ANALYTICAL REPORT

Job Number: 580-110975-1

Job Description: Red Hill GW

For:
AECOM
1001 Bishop Street
Honolulu, HI 96813

Attention: Alethea Ramos

Approved for release.
Elaine M Walker
Project Manager II
3/22/2022 7:12 PM

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03/22/2022

The data in the report relate to the field sample(s) as received by the laboratory and associated QC. All results have been reviewed and have been found to be compliant with laboratory and accreditation requirements, with the exception of the noted deviation(s). For questions, please contact the Project Manager.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northwest, LLC Project Manager.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

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Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

CASE NARRATIVE
Client: AECOM
Project: Red Hill GW
Report Number: 580-110975-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

Following DoD QSM guidelines, manual integrations were performed only when necessary and are in compliance with the laboratory's standard operating procedure, Acceptable Manual Integration Practices, SOP No.: Q-S-002. The reason(s) for manual integration have been documented on the affected chromatogram(s), which is/are provided in the raw data package. The raw data also includes the original chromatogram(s) prior to any manual integration being performed. Manual integrations are detailed in the manual integration summary forms following this narrative.

It should be noted that samples with elevated Limits of Quantitation (LOQs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the LOQs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Nine samples were received on 3/3/2022 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.6º C, 1.2º C, 1.4º C, 1.5º C and 1.7º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ERH2673 (RHMW07) (580-110975-1), ERH2648 (RHMW08) (580-110975-2), ERH2649 (OWDFMW07A) (580-110975-3), ERH2650 (OWDFMW08A) (580-110975-4), ERH2651 (OWDFMW08A FD) (580-110975-5), ERH2652 (RHMW14-3) (580-110975-6), ERH2653 (RHMW16) (580-110975-7), ERH2654 (RHMW12A) (580-110975-8) and ERH2655 (RHMW04) (580-110975-9) were analyzed for semivolatile organic compounds (GC-MS) in accordance with 8270E. The samples were prepared on 03/07/2022 and analyzed on 03/08/2022 and 03/18/2022.

The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-383156 was outside criteria for the following analyte: N-Nitrosodi-n-propylamine. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte is considered estimated.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 580-383033 and analytical batch 580-383057 recovered outside control limits for the following analytes: 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, Hexachlorocyclopentadiene, Hexachlorobutadiene and Hexachloroethane. The LCS and LCSD recoveries are in control.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS - SIM)

Samples ERH2673 (RHMW07) (580-110975-1), ERH2648 (RHMW08) (580-110975-2), ERH2649 (OWDFMW07A) (580-110975-3), ERH2650 (OWDFMW08A) (580-110975-4), ERH2651 (OWDFMW08A FD) (580-110975-5), ERH2652 (RHMW14-3) (580-110975-6), ERH2653 (RHMW16) (580-110975-7), ERH2654 (RHMW12A) (580-110975-8) and ERH2655 (RHMW04) (580-110975-9) were analyzed for semivolatile organic compounds (GC-MS - SIM) in accordance with 8270E SIM. The samples were prepared on 03/07/2022 and analyzed on 03/08/2022.

2-Methylnaphthalene exceeded the RPD limit for LCSD 580-383033/3-A. The LCS and LCSD recoveries are in control.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Detection Summary

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2673 (RHMW07) — Lab Sample ID: 580-110975-1

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Indeno[1,2,3-cd]pyrene	0.015	J M	0.050	0.014	ug/L	1		8270E SIM	Total/NA
Diethyl phthalate	0.29	J	1.0	0.15	ug/L	1		8270E	Total/NA

Client Sample ID: ERH2648 (RHMW08) — Lab Sample ID: 580-110975-2

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Acenaphthene	0.015	J M	0.10	0.014	ug/L	1		8270E SIM	Total/NA
Chrysene	0.018	J M	0.10	0.016	ug/L	1		8270E SIM	Total/NA
Pyrene	0.036	J	0.10	0.033	ug/L	1		8270E SIM	Total/NA
Diethyl phthalate	0.24	J	1.0	0.15	ug/L	1		8270E	Total/NA

Client Sample ID: ERH2649 (OWDFMW07A) — Lab Sample ID: 580-110975-3

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.17	J	1.0	0.15	ug/L	1		8270E	Total/NA

Client Sample ID: ERH2650 (OWDFMW08A) — Lab Sample ID: 580-110975-4

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.21	J	1.0	0.15	ug/L	1		8270E	Total/NA

Client Sample ID: ERH2651 (OWDFMW08A FD) — Lab Sample ID: 580-110975-5

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.31	J	0.95	0.14	ug/L	1		8270E	Total/NA

Client Sample ID: ERH2652 (RHMW14-3) — Lab Sample ID: 580-110975-6

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.27	J	1.0	0.15	ug/L	1		8270E	Total/NA

Client Sample ID: ERH2653 (RHMW16) — Lab Sample ID: 580-110975-7

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.23	J	1.0	0.15	ug/L	1		8270E	Total/NA

Client Sample ID: ERH2654 (RHMW12A) — Lab Sample ID: 580-110975-8

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.31	J	1.0	0.15	ug/L	1		8270E	Total/NA

Client Sample ID: ERH2655 (RHMW04) — Lab Sample ID: 580-110975-9

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Diethyl phthalate	0.30	J	1.0	0.15	ug/L	1		8270E	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: ERH2673 (RHMW07)

Date Collected: 03/01/22 08:55
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-1

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 13:26	1
2-Methylnaphthalene	0.080	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 13:26	1
Acenaphthene	0.032	U M	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 13:26	1
Acenaphthylene	0.032	U M	0.050	0.0091	ug/L		03/07/22 09:32	03/08/22 13:26	1
Anthracene	0.080	U M	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 13:26	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 13:26	1
Benzo[a]pyrene	0.032	U M	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 13:26	1
Benzo[b]fluoranthene	0.032	U M	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 13:26	1
Benzo[g,h,i]perylene	0.032	U M	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 13:26	1
Benzo[k]fluoranthene	0.032	U M	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 13:26	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 13:26	1
Dibenz(a,h)anthracene	0.032	U M	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 13:26	1
Fluoranthene	0.032	U M	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 13:26	1
Fluorene	0.032	U M	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 13:26	1
Indeno[1,2,3-cd]pyrene	**0.015**	**J M**	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 13:26	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 13:26	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 13:26	1
Pyrene	0.080	U M	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*69*		*40 - 140*	*03/07/22 09:32*	*03/08/22 13:26*	*1*
Fluoranthene-d10 (Surr)	*101*		*40 - 140*	*03/07/22 09:32*	*03/08/22 13:26*	*1*
Terphenyl-d14	*112*		*58 - 132*	*03/07/22 09:32*	*03/08/22 13:26*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.091	ug/L		03/07/22 09:32	03/08/22 12:03	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 12:03	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 12:03	1
1,4-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 12:03	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 12:03	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 12:03	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 12:03	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 12:03	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 12:03	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 12:03	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 12:03	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 12:03	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 12:03	1
Bis(2-chloroethoxy)methane	0.15	U M	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 12:03	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 12:03	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/07/22 09:32	03/08/22 12:03	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 12:03	1

Client Sample ID: ERH2673 (RHMW07)
Lab Sample ID: 580-110975-1
Date Collected: 03/01/22 08:55
Matrix: Water
Date Received: 03/03/22 09:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	**0.29**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 12:03	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 12:03	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 12:03	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 12:03	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 12:03	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 12:03	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 12:03	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 12:03	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 12:03	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 12:03	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 12:03	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 12:03	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 12:03	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 12:03	1
o-Cresol	0.15	U M	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 12:03	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 12:03	1
Phenol	0.60	U M	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 12:03	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 12:03	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*43 - 140*	*03/07/22 09:32*	*03/08/22 12:03*	*1*
2-Fluorobiphenyl	*67*		*44 - 119*	*03/07/22 09:32*	*03/08/22 12:03*	*1*
2-Fluorophenol (Surr)	*53*		*19 - 119*	*03/07/22 09:32*	*03/08/22 12:03*	*1*
Nitrobenzene-d5 (Surr)	*82*		*44 - 120*	*03/07/22 09:32*	*03/08/22 12:03*	*1*
Phenol-d5 (Surr)	*33*		*10 - 120*	*03/07/22 09:32*	*03/08/22 12:03*	*1*
Terphenyl-d14	*115*		*50 - 134*	*03/07/22 09:32*	*03/08/22 12:03*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U Q M	10	1.7	ug/L		03/07/22 09:32	03/18/22 14:30	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 14:30	1

Client Sample ID: ERH2648 (RHMW08)
Lab Sample ID: 580-110975-2
Date Collected: 02/28/22 13:35
Matrix: Water
Date Received: 03/03/22 09:40

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 13:45	1
2-Methylnaphthalene	0.081	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 13:45	1
Acenaphthene	**0.015**	**J M**	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 13:45	1
Acenaphthylene	0.032	U	0.050	0.0091	ug/L		03/07/22 09:32	03/08/22 13:45	1
Anthracene	0.081	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 13:45	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 13:45	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 13:45	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 13:45	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 13:45	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 13:45	1
Chrysene	**0.018**	**J M**	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 13:45	1

Client Sample ID: ERH2648 (RHMW08)

Date Collected: 02/28/22 13:35
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-2

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 13:45	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 13:45	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 13:45	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 13:45	1
Naphthalene	0.081	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 13:45	1
Phenanthrene	0.081	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 13:45	1
Pyrene	**0.036**	**J**	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*58*		*40 - 140*	*03/07/22 09:32*	*03/08/22 13:45*	*1*
Fluoranthene-d10 (Surr)	*95*		*40 - 140*	*03/07/22 09:32*	*03/08/22 13:45*	*1*
Terphenyl-d14	*104*		*58 - 132*	*03/07/22 09:32*	*03/08/22 13:45*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.091	ug/L		03/07/22 09:32	03/08/22 12:26	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 12:26	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 12:26	1
1,4-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 12:26	1
2-Chloronaphthalene	0.15	U	1.0	0.071	ug/L		03/07/22 09:32	03/08/22 12:26	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 12:26	1
2-Nitrophenol	0.15	U	1.0	0.071	ug/L		03/07/22 09:32	03/08/22 12:26	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 12:26	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 12:26	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 12:26	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 12:26	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 12:26	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 12:26	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 12:26	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 12:26	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.75	ug/L		03/07/22 09:32	03/08/22 12:26	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 12:26	1
Diethyl phthalate	**0.24**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 12:26	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 12:26	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 12:26	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 12:26	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 12:26	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 12:26	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 12:26	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 12:26	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 12:26	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 12:26	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 12:26	1

Client Sample ID: ERH2648 (RHMW08)
Lab Sample ID: 580-110975-2
Date Collected: 02/28/22 13:35
Matrix: Water
Date Received: 03/03/22 09:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 12:26	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 12:26	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.071	ug/L		03/07/22 09:32	03/08/22 12:26	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 12:26	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 12:26	1
Phenol	0.60	U M	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 12:26	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 12:26	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*43 - 140*	*03/07/22 09:32*	*03/08/22 12:26*	*1*
2-Fluorobiphenyl	*61*		*44 - 119*	*03/07/22 09:32*	*03/08/22 12:26*	*1*
2-Fluorophenol (Surr)	*46*		*19 - 119*	*03/07/22 09:32*	*03/08/22 12:26*	*1*
Nitrobenzene-d5 (Surr)	*82*		*44 - 120*	*03/07/22 09:32*	*03/08/22 12:26*	*1*
Phenol-d5 (Surr)	*29*		*10 - 120*	*03/07/22 09:32*	*03/08/22 12:26*	*1*
Terphenyl-d14	*117*		*50 - 134*	*03/07/22 09:32*	*03/08/22 12:26*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 14:53	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 14:53	1

Client Sample ID: ERH2649 (OWDFMW07A)
Lab Sample ID: 580-110975-3
Date Collected: 02/28/22 13:40
Matrix: Water
Date Received: 03/03/22 09:40

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.033	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 14:04	1
2-Methylnaphthalene	0.082	U M Q	0.20	0.040	ug/L		03/07/22 09:32	03/08/22 14:04	1
Acenaphthene	0.033	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 14:04	1
Acenaphthylene	0.033	U	0.051	0.0092	ug/L		03/07/22 09:32	03/08/22 14:04	1
Anthracene	0.082	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 14:04	1
Benzo[a]anthracene	0.033	U	0.051	0.014	ug/L		03/07/22 09:32	03/08/22 14:04	1
Benzo[a]pyrene	0.033	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 14:04	1
Benzo[b]fluoranthene	0.033	U	0.051	0.011	ug/L		03/07/22 09:32	03/08/22 14:04	1
Benzo[g,h,i]perylene	0.033	U	0.051	0.012	ug/L		03/07/22 09:32	03/08/22 14:04	1
Benzo[k]fluoranthene	0.033	U	0.051	0.012	ug/L		03/07/22 09:32	03/08/22 14:04	1
Chrysene	0.033	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 14:04	1
Dibenz(a,h)anthracene	0.033	U	0.10	0.027	ug/L		03/07/22 09:32	03/08/22 14:04	1
Fluoranthene	0.033	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 14:04	1
Fluorene	0.033	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 14:04	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.051	0.014	ug/L		03/07/22 09:32	03/08/22 14:04	1
Naphthalene	0.082	U M	0.10	0.032	ug/L		03/07/22 09:32	03/08/22 14:04	1
Phenanthrene	0.082	U	0.10	0.032	ug/L		03/07/22 09:32	03/08/22 14:04	1
Pyrene	0.082	U	0.10	0.034	ug/L		03/07/22 09:32	03/08/22 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*60*		*40 - 140*	*03/07/22 09:32*	*03/08/22 14:04*	*1*
Fluoranthene-d10 (Surr)	*102*		*40 - 140*	*03/07/22 09:32*	*03/08/22 14:04*	*1*
Terphenyl-d14	*112*		*58 - 132*	*03/07/22 09:32*	*03/08/22 14:04*	*1*

Client Sample ID: ERH2649 (OWDFMW07A)

Date Collected: 02/28/22 13:40
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-3

Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.31	U Q	0.41	0.092	ug/L		03/07/22 09:32	03/08/22 12:49	1
1,2-Dichlorobenzene	0.15	U Q	0.41	0.051	ug/L		03/07/22 09:32	03/08/22 12:49	1
1,3-Dichlorobenzene	0.092	U Q	0.41	0.041	ug/L		03/07/22 09:32	03/08/22 12:49	1
1,4-Dichlorobenzene	0.092	U Q	0.41	0.041	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,4,5-Trichlorophenol	0.31	U	0.41	0.10	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,4,6-Trichlorophenol	0.31	U	0.61	0.10	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,4-Dichlorophenol	0.51	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,4-Dimethylphenol	0.51	U	4.1	0.16	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,4-Dinitrophenol	3.3	U	5.1	1.6	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,4-Dinitrotoluene	0.31	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,6-Dinitrotoluene	0.31	U	0.41	0.10	ug/L		03/07/22 09:32	03/08/22 12:49	1
2-Chloronaphthalene	0.15	U	1.0	0.072	ug/L		03/07/22 09:32	03/08/22 12:49	1
2-Chlorophenol	0.15	U	1.0	0.051	ug/L		03/07/22 09:32	03/08/22 12:49	1
2-Nitrophenol	0.15	U	1.0	0.072	ug/L		03/07/22 09:32	03/08/22 12:49	1
3,3'-Dichlorobenzidine	0.61	U	1.0	0.27	ug/L		03/07/22 09:32	03/08/22 12:49	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.56	ug/L		03/07/22 09:32	03/08/22 12:49	1
4-Bromophenyl phenyl ether	0.15	U	0.61	0.061	ug/L		03/07/22 09:32	03/08/22 12:49	1
4-Chloro-3-methylphenol	0.31	U	0.61	0.13	ug/L		03/07/22 09:32	03/08/22 12:49	1
4-Chlorophenyl phenyl ether	0.15	U	0.61	0.051	ug/L		03/07/22 09:32	03/08/22 12:49	1
Azobenzene	0.15	U	2.0	0.061	ug/L		03/07/22 09:32	03/08/22 12:49	1
Bis(2-chloroethoxy)methane	0.15	U	0.61	0.051	ug/L		03/07/22 09:32	03/08/22 12:49	1
Bis(2-chloroethyl)ether	0.092	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 12:49	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.1	0.76	ug/L		03/07/22 09:32	03/08/22 12:49	1
Butyl benzyl phthalate	0.61	U	4.1	0.28	ug/L		03/07/22 09:32	03/08/22 12:49	1
Diethyl phthalate	**0.17**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 12:49	1
Dimethyl phthalate	0.15	U	0.61	0.061	ug/L		03/07/22 09:32	03/08/22 12:49	1
Di-n-butyl phthalate	0.51	U	3.1	0.19	ug/L		03/07/22 09:32	03/08/22 12:49	1
Di-n-octyl phthalate	0.31	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 12:49	1
Hexachlorobenzene	0.092	U	0.61	0.041	ug/L		03/07/22 09:32	03/08/22 12:49	1
Hexachlorobutadiene	0.15	U Q	1.0	0.061	ug/L		03/07/22 09:32	03/08/22 12:49	1
Hexachlorocyclopentadiene	0.31	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 12:49	1
Hexachloroethane	0.15	U Q	1.0	0.051	ug/L		03/07/22 09:32	03/08/22 12:49	1
Isophorone	0.31	U	0.41	0.10	ug/L		03/07/22 09:32	03/08/22 12:49	1
m+p-Cresol	0.31	U	0.61	0.10	ug/L		03/07/22 09:32	03/08/22 12:49	1
Nitrobenzene	0.092	U	1.0	0.041	ug/L		03/07/22 09:32	03/08/22 12:49	1
N-Nitrosodimethylamine	0.61	U	2.0	0.27	ug/L		03/07/22 09:32	03/08/22 12:49	1
N-Nitrosodi-n-propylamine	0.092	U	0.41	0.061	ug/L		03/07/22 09:32	03/08/22 12:49	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.072	ug/L		03/07/22 09:32	03/08/22 12:49	1
o-Cresol	0.15	U	0.61	0.051	ug/L		03/07/22 09:32	03/08/22 12:49	1
Pentachlorophenol	1.0	U	10	0.52	ug/L		03/07/22 09:32	03/08/22 12:49	1
Phenol	0.61	U	1.0	0.37	ug/L		03/07/22 09:32	03/08/22 12:49	1
Pyrene	0.092	U	1.0	0.041	ug/L		03/07/22 09:32	03/08/22 12:49	1
Pyridine	3.3	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*43 - 140*	*03/07/22 09:32*	*03/08/22 12:49*	*1*
2-Fluorobiphenyl	*67*		*44 - 119*	*03/07/22 09:32*	*03/08/22 12:49*	*1*
2-Fluorophenol (Surr)	*46*		*19 - 119*	*03/07/22 09:32*	*03/08/22 12:49*	*1*
Nitrobenzene-d5 (Surr)	*73*		*44 - 120*	*03/07/22 09:32*	*03/08/22 12:49*	*1*
Phenol-d5 (Surr)	*29*		*10 - 120*	*03/07/22 09:32*	*03/08/22 12:49*	*1*

Client Sample ID: ERH2649 (OWDFMW07A)
Lab Sample ID: 580-110975-3
Date Collected: 02/28/22 13:40
Matrix: Water
Date Received: 03/03/22 09:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*117*		*50 - 134*	*03/07/22 09:32*	*03/08/22 12:49*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.1	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 15:16	1
bis (2-chloroisopropyl) ether	0.15	U M	0.26	0.061	ug/L		03/07/22 09:32	03/18/22 15:16	1

Client Sample ID: ERH2650 (OWDFMW08A)
Lab Sample ID: 580-110975-4
Date Collected: 02/28/22 09:45
Matrix: Water
Date Received: 03/03/22 09:40

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 14:23	1
2-Methylnaphthalene	0.080	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 14:23	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 14:23	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/07/22 09:32	03/08/22 14:23	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 14:23	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 14:23	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 14:23	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 14:23	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 14:23	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 14:23	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 14:23	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 14:23	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 14:23	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 14:23	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 14:23	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 14:23	1
Phenanthrene	0.080	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 14:23	1
Pyrene	0.080	U	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*71*		*40 - 140*	*03/07/22 09:32*	*03/08/22 14:23*	*1*
Fluoranthene-d10 (Surr)	*95*		*40 - 140*	*03/07/22 09:32*	*03/08/22 14:23*	*1*
Terphenyl-d14	*105*		*58 - 132*	*03/07/22 09:32*	*03/08/22 14:23*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.090	ug/L		03/07/22 09:32	03/08/22 13:12	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 13:12	1
1,3-Dichlorobenzene	0.090	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 13:12	1
1,4-Dichlorobenzene	0.090	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 13:12	1

Client Sample ID: ERH2650 (OWDFMW08A)

Date Collected: 02/28/22 09:45
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-4

Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 13:12	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 13:12	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 13:12	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 13:12	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 13:12	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 13:12	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 13:12	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 13:12	1
Azobenzene	0.15	U	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 13:12	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 13:12	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 13:12	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/07/22 09:32	03/08/22 13:12	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 13:12	1
Diethyl phthalate	**0.21**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 13:12	1
Dimethyl phthalate	0.15	U M	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 13:12	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 13:12	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 13:12	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 13:12	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 13:12	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 13:12	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 13:12	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 13:12	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 13:12	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 13:12	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 13:12	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 13:12	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 13:12	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 13:12	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 13:12	1
Phenol	0.60	U	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 13:12	1
Pyrene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 13:12	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*43 - 140*	*03/07/22 09:32*	*03/08/22 13:12*	*1*
2-Fluorobiphenyl	*83*		*44 - 119*	*03/07/22 09:32*	*03/08/22 13:12*	*1*
2-Fluorophenol (Surr)	*51*		*19 - 119*	*03/07/22 09:32*	*03/08/22 13:12*	*1*
Nitrobenzene-d5 (Surr)	*85*		*44 - 120*	*03/07/22 09:32*	*03/08/22 13:12*	*1*
Phenol-d5 (Surr)	*29*		*10 - 120*	*03/07/22 09:32*	*03/08/22 13:12*	*1*
Terphenyl-d14	*113*		*50 - 134*	*03/07/22 09:32*	*03/08/22 13:12*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 15:40	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 15:40	1

Client Sample ID: ERH2651 (OWDFMW08A FD)

Date Collected: 02/28/22 09:45
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-5

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.030	U M	0.095	0.018	ug/L		03/07/22 09:32	03/08/22 14:43	1
2-Methylnaphthalene	0.076	U M Q	0.19	0.037	ug/L		03/07/22 09:32	03/08/22 14:43	1
Acenaphthene	0.030	U	0.095	0.013	ug/L		03/07/22 09:32	03/08/22 14:43	1
Acenaphthylene	0.030	U	0.048	0.0086	ug/L		03/07/22 09:32	03/08/22 14:43	1
Anthracene	0.076	U	0.095	0.021	ug/L		03/07/22 09:32	03/08/22 14:43	1
Benzo[a]anthracene	0.030	U	0.048	0.013	ug/L		03/07/22 09:32	03/08/22 14:43	1
Benzo[a]pyrene	0.030	U	0.095	0.010	ug/L		03/07/22 09:32	03/08/22 14:43	1
Benzo[b]fluoranthene	0.030	U	0.048	0.010	ug/L		03/07/22 09:32	03/08/22 14:43	1
Benzo[g,h,i]perylene	0.030	U	0.048	0.011	ug/L		03/07/22 09:32	03/08/22 14:43	1
Benzo[k]fluoranthene	0.030	U	0.048	0.011	ug/L		03/07/22 09:32	03/08/22 14:43	1
Chrysene	0.030	U	0.095	0.015	ug/L		03/07/22 09:32	03/08/22 14:43	1
Dibenz(a,h)anthracene	0.030	U	0.095	0.025	ug/L		03/07/22 09:32	03/08/22 14:43	1
Fluoranthene	0.030	U	0.19	0.017	ug/L		03/07/22 09:32	03/08/22 14:43	1
Fluorene	0.030	U	0.095	0.016	ug/L		03/07/22 09:32	03/08/22 14:43	1
Indeno[1,2,3-cd]pyrene	0.030	U	0.048	0.013	ug/L		03/07/22 09:32	03/08/22 14:43	1
Naphthalene	0.076	U M	0.095	0.029	ug/L		03/07/22 09:32	03/08/22 14:43	1
Phenanthrene	0.076	U	0.095	0.029	ug/L		03/07/22 09:32	03/08/22 14:43	1
Pyrene	0.076	U M	0.095	0.031	ug/L		03/07/22 09:32	03/08/22 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*61*		*40 - 140*	*03/07/22 09:32*	*03/08/22 14:43*	*1*
Fluoranthene-d10 (Surr)	*84*		*40 - 140*	*03/07/22 09:32*	*03/08/22 14:43*	*1*
Terphenyl-d14	*93*		*58 - 132*	*03/07/22 09:32*	*03/08/22 14:43*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.29	U Q	0.38	0.086	ug/L		03/07/22 09:32	03/08/22 13:35	1
1,2-Dichlorobenzene	0.14	U Q	0.38	0.048	ug/L		03/07/22 09:32	03/08/22 13:35	1
1,3-Dichlorobenzene	0.086	U Q	0.38	0.038	ug/L		03/07/22 09:32	03/08/22 13:35	1
1,4-Dichlorobenzene	0.086	U Q	0.38	0.038	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,4,5-Trichlorophenol	0.29	U	0.38	0.095	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,4,6-Trichlorophenol	0.29	U	0.57	0.095	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,4-Dichlorophenol	0.48	U	0.95	0.19	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,4-Dimethylphenol	0.48	U	3.8	0.15	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,4-Dinitrophenol	3.0	U	4.8	1.5	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,4-Dinitrotoluene	0.29	U	0.95	0.095	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,6-Dinitrotoluene	0.29	U	0.38	0.095	ug/L		03/07/22 09:32	03/08/22 13:35	1
2-Chloronaphthalene	0.14	U	0.95	0.067	ug/L		03/07/22 09:32	03/08/22 13:35	1
2-Chlorophenol	0.14	U	0.95	0.048	ug/L		03/07/22 09:32	03/08/22 13:35	1
2-Nitrophenol	0.14	U	0.95	0.067	ug/L		03/07/22 09:32	03/08/22 13:35	1
3,3'-Dichlorobenzidine	0.57	U	0.95	0.25	ug/L		03/07/22 09:32	03/08/22 13:35	1
4,6-Dinitro-2-methylphenol	1.1	U	1.9	0.52	ug/L		03/07/22 09:32	03/08/22 13:35	1
4-Bromophenyl phenyl ether	0.14	U	0.57	0.057	ug/L		03/07/22 09:32	03/08/22 13:35	1
4-Chloro-3-methylphenol	0.29	U	0.57	0.12	ug/L		03/07/22 09:32	03/08/22 13:35	1
4-Chlorophenyl phenyl ether	0.14	U	0.57	0.048	ug/L		03/07/22 09:32	03/08/22 13:35	1
Azobenzene	0.14	U M	1.9	0.057	ug/L		03/07/22 09:32	03/08/22 13:35	1
Bis(2-chloroethoxy)methane	0.14	U	0.57	0.048	ug/L		03/07/22 09:32	03/08/22 13:35	1
Bis(2-chloroethyl)ether	0.086	U	0.095	0.029	ug/L		03/07/22 09:32	03/08/22 13:35	1
Bis(2-ethylhexyl) phthalate	1.5	U	2.9	0.70	ug/L		03/07/22 09:32	03/08/22 13:35	1
Butyl benzyl phthalate	0.57	U	3.8	0.26	ug/L		03/07/22 09:32	03/08/22 13:35	1

Client Sample ID: ERH2651 (OWDFMW08A FD)
Lab Sample ID: 580-110975-5

Date Collected: 02/28/22 09:45
Matrix: Water
Date Received: 03/03/22 09:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	**0.31**	**J**	0.95	0.14	ug/L		03/07/22 09:32	03/08/22 13:35	1
Dimethyl phthalate	0.14	U	0.57	0.057	ug/L		03/07/22 09:32	03/08/22 13:35	1
Di-n-butyl phthalate	0.48	U	2.9	0.18	ug/L		03/07/22 09:32	03/08/22 13:35	1
Di-n-octyl phthalate	0.29	U M	0.95	0.12	ug/L		03/07/22 09:32	03/08/22 13:35	1
Hexachlorobenzene	0.086	U	0.57	0.038	ug/L		03/07/22 09:32	03/08/22 13:35	1
Hexachlorobutadiene	0.14	U Q	0.95	0.057	ug/L		03/07/22 09:32	03/08/22 13:35	1
Hexachlorocyclopentadiene	0.29	U Q	0.95	0.13	ug/L		03/07/22 09:32	03/08/22 13:35	1
Hexachloroethane	0.14	U Q	0.95	0.048	ug/L		03/07/22 09:32	03/08/22 13:35	1
Isophorone	0.29	U	0.38	0.095	ug/L		03/07/22 09:32	03/08/22 13:35	1
m+p-Cresol	0.29	U	0.57	0.095	ug/L		03/07/22 09:32	03/08/22 13:35	1
Nitrobenzene	0.086	U	0.95	0.038	ug/L		03/07/22 09:32	03/08/22 13:35	1
N-Nitrosodimethylamine	0.57	U	1.9	0.25	ug/L		03/07/22 09:32	03/08/22 13:35	1
N-Nitrosodi-n-propylamine	0.086	U	0.38	0.057	ug/L		03/07/22 09:32	03/08/22 13:35	1
N-Nitrosodiphenylamine	0.14	U	0.95	0.067	ug/L		03/07/22 09:32	03/08/22 13:35	1
o-Cresol	0.14	U	0.57	0.048	ug/L		03/07/22 09:32	03/08/22 13:35	1
Pentachlorophenol	0.95	U	9.5	0.48	ug/L		03/07/22 09:32	03/08/22 13:35	1
Phenol	0.57	U	0.95	0.34	ug/L		03/07/22 09:32	03/08/22 13:35	1
Pyrene	0.086	U	0.95	0.038	ug/L		03/07/22 09:32	03/08/22 13:35	1
Pyridine	3.0	U	9.5	1.0	ug/L		03/07/22 09:32	03/08/22 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*43 - 140*	*03/07/22 09:32*	*03/08/22 13:35*	*1*
2-Fluorobiphenyl	*79*		*44 - 119*	*03/07/22 09:32*	*03/08/22 13:35*	*1*
2-Fluorophenol (Surr)	*43*		*19 - 119*	*03/07/22 09:32*	*03/08/22 13:35*	*1*
Nitrobenzene-d5 (Surr)	*63*		*44 - 120*	*03/07/22 09:32*	*03/08/22 13:35*	*1*
Phenol-d5 (Surr)	*23*		*10 - 120*	*03/07/22 09:32*	*03/08/22 13:35*	*1*
Terphenyl-d14	*112*		*50 - 134*	*03/07/22 09:32*	*03/08/22 13:35*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.7	U	9.5	1.6	ug/L		03/07/22 09:32	03/18/22 16:03	1
bis (2-chloroisopropyl) ether	0.14	U M	0.24	0.057	ug/L		03/07/22 09:32	03/18/22 16:03	1

Client Sample ID: ERH2652 (RHMW14-3)
Lab Sample ID: 580-110975-6

Date Collected: 03/01/22 10:25
Matrix: Water
Date Received: 03/03/22 09:40

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 15:02	1
2-Methylnaphthalene	0.081	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 15:02	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 15:02	1
Acenaphthylene	0.032	U	0.050	0.0091	ug/L		03/07/22 09:32	03/08/22 15:02	1
Anthracene	0.081	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 15:02	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:02	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 15:02	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 15:02	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:02	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:02	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 15:02	1

Client Sample ID: ERH2652 (RHMW14-3)

Date Collected: 03/01/22 10:25
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-6

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 15:02	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 15:02	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 15:02	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:02	1
Naphthalene	0.081	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:02	1
Phenanthrene	0.081	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:02	1
Pyrene	0.081	U	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*58*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:02*	*1*
Fluoranthene-d10 (Surr)	*91*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:02*	*1*
Terphenyl-d14	*101*		*58 - 132*	*03/07/22 09:32*	*03/08/22 15:02*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.091	ug/L		03/07/22 09:32	03/08/22 13:58	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 13:58	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 13:58	1
1,4-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 13:58	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 13:58	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 13:58	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 13:58	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 13:58	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 13:58	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 13:58	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 13:58	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 13:58	1
Azobenzene	0.15	U	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 13:58	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 13:58	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 13:58	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.75	ug/L		03/07/22 09:32	03/08/22 13:58	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 13:58	1
Diethyl phthalate	**0.27**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 13:58	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 13:58	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 13:58	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 13:58	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 13:58	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 13:58	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 13:58	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 13:58	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 13:58	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 13:58	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 13:58	1

Client Sample ID: ERH2652 (RHMW14-3)
Lab Sample ID: 580-110975-6
Date Collected: 03/01/22 10:25
Matrix: Water
Date Received: 03/03/22 09:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 13:58	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 13:58	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 13:58	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 13:58	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 13:58	1
Phenol	0.60	U	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 13:58	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 13:58	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*43 - 140*	*03/07/22 09:32*	*03/08/22 13:58*	*1*
2-Fluorobiphenyl	*70*		*44 - 119*	*03/07/22 09:32*	*03/08/22 13:58*	*1*
2-Fluorophenol (Surr)	*45*		*19 - 119*	*03/07/22 09:32*	*03/08/22 13:58*	*1*
Nitrobenzene-d5 (Surr)	*63*		*44 - 120*	*03/07/22 09:32*	*03/08/22 13:58*	*1*
Phenol-d5 (Surr)	*23*		*10 - 120*	*03/07/22 09:32*	*03/08/22 13:58*	*1*
Terphenyl-d14	*106*		*50 - 134*	*03/07/22 09:32*	*03/08/22 13:58*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U M	10	1.7	ug/L		03/07/22 09:32	03/18/22 16:27	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 16:27	1

Client Sample ID: ERH2653 (RHMW16)
Lab Sample ID: 580-110975-7
Date Collected: 03/01/22 11:10
Matrix: Water
Date Received: 03/03/22 09:40

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 15:21	1
2-Methylnaphthalene	0.080	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 15:21	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 15:21	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/07/22 09:32	03/08/22 15:21	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 15:21	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:21	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 15:21	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 15:21	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:21	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:21	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 15:21	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 15:21	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 15:21	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 15:21	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:21	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:21	1
Phenanthrene	0.080	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:21	1
Pyrene	0.080	U	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*49*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:21*	*1*
Fluoranthene-d10 (Surr)	*82*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:21*	*1*
Terphenyl-d14	*93*		*58 - 132*	*03/07/22 09:32*	*03/08/22 15:21*	*1*

Client Sample ID: ERH2653 (RHMW16)

Date Collected: 03/01/22 11:10
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-7

Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.090	ug/L		03/07/22 09:32	03/08/22 14:21	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 14:21	1
1,3-Dichlorobenzene	0.090	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 14:21	1
1,4-Dichlorobenzene	0.090	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 14:21	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 14:21	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 14:21	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 14:21	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 14:21	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 14:21	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 14:21	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 14:21	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 14:21	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 14:21	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 14:21	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 14:21	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/07/22 09:32	03/08/22 14:21	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 14:21	1
Diethyl phthalate	**0.23**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 14:21	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 14:21	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 14:21	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 14:21	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 14:21	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 14:21	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 14:21	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 14:21	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 14:21	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 14:21	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 14:21	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 14:21	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 14:21	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 14:21	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 14:21	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 14:21	1
Phenol	0.60	U	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 14:21	1
Pyrene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 14:21	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*43 - 140*	*03/07/22 09:32*	*03/08/22 14:21*	*1*
2-Fluorobiphenyl	*54*		*44 - 119*	*03/07/22 09:32*	*03/08/22 14:21*	*1*
2-Fluorophenol (Surr)	*39*		*19 - 119*	*03/07/22 09:32*	*03/08/22 14:21*	*1*
Nitrobenzene-d5 (Surr)	*58*		*44 - 120*	*03/07/22 09:32*	*03/08/22 14:21*	*1*
Phenol-d5 (Surr)	*22*		*10 - 120*	*03/07/22 09:32*	*03/08/22 14:21*	*1*

Client Sample ID: ERH2653 (RHMW16)
Lab Sample ID: 580-110975-7
Date Collected: 03/01/22 11:10
Matrix: Water
Date Received: 03/03/22 09:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Terphenyl-d14	*88*		*50 - 134*	*03/07/22 09:32*	*03/08/22 14:21*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 16:50	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 16:50	1

Client Sample ID: ERH2654 (RHMW12A)
Lab Sample ID: 580-110975-8
Date Collected: 03/01/22 14:20
Matrix: Water
Date Received: 03/03/22 09:40

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 15:40	1
2-Methylnaphthalene	0.080	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 15:40	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 15:40	1
Acenaphthylene	0.032	U	0.050	0.0091	ug/L		03/07/22 09:32	03/08/22 15:40	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 15:40	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:40	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 15:40	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 15:40	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:40	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:40	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 15:40	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 15:40	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 15:40	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 15:40	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:40	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:40	1
Phenanthrene	0.080	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:40	1
Pyrene	0.080	U	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*53*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:40*	*1*
Fluoranthene-d10 (Surr)	*83*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:40*	*1*
Terphenyl-d14	*93*		*58 - 132*	*03/07/22 09:32*	*03/08/22 15:40*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.091	ug/L		03/07/22 09:32	03/08/22 14:45	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 14:45	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 14:45	1
1,4-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 14:45	1

Client Sample ID: ERH2654 (RHMW12A)

Date Collected: 03/01/22 14:20
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-8

Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 14:45	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 14:45	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 14:45	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 14:45	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 14:45	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 14:45	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 14:45	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 14:45	1
Azobenzene	0.15	U	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 14:45	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 14:45	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 14:45	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/07/22 09:32	03/08/22 14:45	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 14:45	1
Diethyl phthalate	**0.31**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 14:45	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 14:45	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 14:45	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 14:45	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 14:45	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 14:45	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 14:45	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 14:45	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 14:45	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 14:45	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 14:45	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 14:45	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 14:45	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 14:45	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 14:45	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 14:45	1
Phenol	0.60	U	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 14:45	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 14:45	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*43 - 140*	*03/07/22 09:32*	*03/08/22 14:45*	*1*
2-Fluorobiphenyl	*60*		*44 - 119*	*03/07/22 09:32*	*03/08/22 14:45*	*1*
2-Fluorophenol (Surr)	*38*		*19 - 119*	*03/07/22 09:32*	*03/08/22 14:45*	*1*
Nitrobenzene-d5 (Surr)	*65*		*44 - 120*	*03/07/22 09:32*	*03/08/22 14:45*	*1*
Phenol-d5 (Surr)	*23*		*10 - 120*	*03/07/22 09:32*	*03/08/22 14:45*	*1*
Terphenyl-d14	*102*		*50 - 134*	*03/07/22 09:32*	*03/08/22 14:45*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 17:13	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 17:13	1

Client Sample ID: ERH2655 (RHMW04)

Date Collected: 03/01/22 11:30
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-9

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 15:59	1
2-Methylnaphthalene	0.080	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 15:59	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 15:59	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/07/22 09:32	03/08/22 15:59	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 15:59	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:59	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 15:59	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 15:59	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:59	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:59	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 15:59	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 15:59	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 15:59	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 15:59	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:59	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:59	1
Phenanthrene	0.080	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:59	1
Pyrene	0.080	U	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*61*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:59*	*1*
Fluoranthene-d10 (Surr)	*93*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:59*	*1*
Terphenyl-d14	*103*		*58 - 132*	*03/07/22 09:32*	*03/08/22 15:59*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.090	ug/L		03/07/22 09:32	03/08/22 15:08	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 15:08	1
1,3-Dichlorobenzene	0.090	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 15:08	1
1,4-Dichlorobenzene	0.090	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 15:08	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 15:08	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 15:08	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 15:08	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 15:08	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 15:08	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 15:08	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 15:08	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 15:08	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 15:08	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 15:08	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 15:08	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/07/22 09:32	03/08/22 15:08	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 15:08	1

Client Sample ID: ERH2655 (RHMW04)
Lab Sample ID: 580-110975-9

Date Collected: 03/01/22 11:30
Matrix: Water

Date Received: 03/03/22 09:40

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	**0.30**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 15:08	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 15:08	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 15:08	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 15:08	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 15:08	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 15:08	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 15:08	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 15:08	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 15:08	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 15:08	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 15:08	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 15:08	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 15:08	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 15:08	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 15:08	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 15:08	1
Phenol	0.60	U	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 15:08	1
Pyrene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 15:08	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*43 - 140*	*03/07/22 09:32*	*03/08/22 15:08*	*1*
2-Fluorobiphenyl	*72*		*44 - 119*	*03/07/22 09:32*	*03/08/22 15:08*	*1*
2-Fluorophenol (Surr)	*44*		*19 - 119*	*03/07/22 09:32*	*03/08/22 15:08*	*1*
Nitrobenzene-d5 (Surr)	*73*		*44 - 120*	*03/07/22 09:32*	*03/08/22 15:08*	*1*
Phenol-d5 (Surr)	*27*		*10 - 120*	*03/07/22 09:32*	*03/08/22 15:08*	*1*
Terphenyl-d14	*109*		*50 - 134*	*03/07/22 09:32*	*03/08/22 15:08*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 17:37	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 17:37	1

Default Detection Limits

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Prep: 3510C

Analyte	LOQ	DL	Units
1-Methylnaphthalene	0.10	0.019	ug/L
2-Methylnaphthalene	0.20	0.039	ug/L
Acenaphthene	0.10	0.014	ug/L
Acenaphthylene	0.050	0.0090	ug/L
Anthracene	0.10	0.022	ug/L
Benzo[a]anthracene	0.050	0.014	ug/L
Benzo[a]pyrene	0.10	0.011	ug/L
Benzo[b]fluoranthene	0.050	0.011	ug/L
Benzo[g,h,i]perylene	0.050	0.012	ug/L
Benzo[k]fluoranthene	0.050	0.012	ug/L
Chrysene	0.10	0.016	ug/L
Dibenz(a,h)anthracene	0.10	0.026	ug/L
Fluoranthene	0.20	0.018	ug/L
Fluorene	0.10	0.017	ug/L
Indeno[1,2,3-cd]pyrene	0.050	0.014	ug/L
Naphthalene	0.10	0.031	ug/L
Phenanthrene	0.10	0.031	ug/L
Pyrene	0.10	0.033	ug/L

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Prep: 3510C

Analyte	LOQ	DL	Units
1,2,4-Trichlorobenzene	0.40	0.090	ug/L
1,2-Dichlorobenzene	0.40	0.050	ug/L
1,3-Dichlorobenzene	0.40	0.040	ug/L
1,4-Dichlorobenzene	0.40	0.040	ug/L
2,4,5-Trichlorophenol	0.40	0.10	ug/L
2,4,6-Trichlorophenol	0.60	0.10	ug/L
2,4-Dichlorophenol	1.0	0.20	ug/L
2,4-Dimethylphenol	4.0	0.16	ug/L
2,4-Dinitrophenol	5.0	1.6	ug/L
2,4-Dinitrotoluene	1.0	0.10	ug/L
2,6-Dinitrotoluene	0.40	0.10	ug/L
2-Chloronaphthalene	1.0	0.070	ug/L
2-Chlorophenol	1.0	0.050	ug/L
2-Nitrophenol	1.0	0.070	ug/L
3,3'-Dichlorobenzidine	1.0	0.26	ug/L
4,6-Dinitro-2-methylphenol	2.0	0.55	ug/L
4-Bromophenyl phenyl ether	0.60	0.060	ug/L
4-Chloro-3-methylphenol	0.60	0.13	ug/L
4-Chlorophenyl phenyl ether	0.60	0.050	ug/L
4-Nitrophenol	10	1.7	ug/L
Azobenzene	2.0	0.060	ug/L
bis (2-chloroisopropyl) ether	0.25	0.060	ug/L
Bis(2-chloroethoxy)methane	0.60	0.050	ug/L
Bis(2-chloroethyl)ether	0.10	0.030	ug/L
Bis(2-ethylhexyl) phthalate	3.0	0.74	ug/L
Butyl benzyl phthalate	4.0	0.27	ug/L
Diethyl phthalate	1.0	0.15	ug/L
Dimethyl phthalate	0.60	0.060	ug/L
Di-n-butyl phthalate	3.0	0.19	ug/L

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Prep: 3510C

Analyte	LOQ	DL	Units
Di-n-octyl phthalate	1.0	0.13	ug/L
Hexachlorobenzene	0.60	0.040	ug/L
Hexachlorobutadiene	1.0	0.060	ug/L
Hexachlorocyclopentadiene	1.0	0.14	ug/L
Hexachloroethane	1.0	0.050	ug/L
Isophorone	0.40	0.10	ug/L
m+p-Cresol	0.60	0.10	ug/L
Nitrobenzene	1.0	0.040	ug/L
N-Nitrosodimethylamine	2.0	0.26	ug/L
N-Nitrosodi-n-propylamine	0.40	0.060	ug/L
N-Nitrosodiphenylamine	1.0	0.070	ug/L
o-Cresol	0.60	0.050	ug/L
Pentachlorophenol	10	0.51	ug/L
Phenol	1.0	0.36	ug/L
Pyrene	1.0	0.040	ug/L
Pyridine	10	1.1	ug/L

Surrogate Summary

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		TBP	FBP	2FP	NBZ	PHL	TPHL
Lab Sample ID	Client Sample ID	(43-140)	(44-119)	(19-119)	(44-120)	(10-120)	(50-134)
580-110975-1	ERH2673 (RHMW07)	105	67	53	82	33	115
580-110975-2	ERH2648 (RHMW08)	92	61	46	82	29	117
580-110975-3	ERH2649 (OWDFMW07A)	88	67	46	73	29	117
580-110975-4	ERH2650 (OWDFMW08A)	82	83	51	85	29	113
580-110975-5	ERH2651 (OWDFMW08A FD)	71	79	43	63	23	112
580-110975-6	ERH2652 (RHMW14-3)	82	70	45	63	23	106
580-110975-7	ERH2653 (RHMW16)	66	54	39	58	22	88
580-110975-8	ERH2654 (RHMW12A)	75	60	38	65	23	102
580-110975-9	ERH2655 (RHMW04)	69	72	44	73	27	109
LCS 580-383033/2-A	Lab Control Sample	100	67	55 M	72	33	104
LCSD 580-383033/3-A	Lab Control Sample Dup	101	64	46	63	37 M	115
MB 580-383033/1-A	Method Blank	79	64	59 M	70	39 M	103

Surrogate Legend

TBP = 2,4,6-Tribromophenol (Surr)
FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol (Surr)
NBZ = Nitrobenzene-d5 (Surr)
PHL = Phenol-d5 (Surr)
TPHL = Terphenyl-d14

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		2MN	FLN10	TPHL
Lab Sample ID	Client Sample ID	(40-140)	(40-140)	(58-132)
580-110975-1	ERH2673 (RHMW07)	69	101	112
580-110975-2	ERH2648 (RHMW08)	58	95	104
580-110975-3	ERH2649 (OWDFMW07A)	60	102	112
580-110975-4	ERH2650 (OWDFMW08A)	71	95	105
580-110975-5	ERH2651 (OWDFMW08A FD)	61	84	93
580-110975-6	ERH2652 (RHMW14-3)	58	91	101
580-110975-7	ERH2653 (RHMW16)	49	82	93
580-110975-8	ERH2654 (RHMW12A)	53	83	93
580-110975-9	ERH2655 (RHMW04)	61	93	103
LCS 580-383033/2-A	Lab Control Sample	65	86	95
LCSD 580-383033/3-A	Lab Control Sample Dup	61 M	86	94
MB 580-383033/1-A	Method Blank	61 M	94	103

Surrogate Legend

2MN = 2-methylnaphthalene-d10
FLN10 = Fluoranthene-d10 (Surr)
TPHL = Terphenyl-d14

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-383033/1-A
Matrix: Water
Analysis Batch: 383057

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383033

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.090	ug/L		03/07/22 09:32	03/07/22 17:38	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/07/22 09:32	03/07/22 17:38	1
1,3-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/07/22 09:32	03/07/22 17:38	1
1,4-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/07/22 17:38	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/07/22 17:38	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/07/22 17:38	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/07/22 17:38	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/07/22 17:38	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/07/22 17:38	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/07/22 17:38	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/07/22 09:32	03/07/22 17:38	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/07/22 17:38	1
Azobenzene	0.15	U	2.0	0.060	ug/L		03/07/22 09:32	03/07/22 17:38	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/07/22 17:38	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/07/22 09:32	03/07/22 17:38	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/07/22 09:32	03/07/22 17:38	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/07/22 17:38	1
Diethyl phthalate	0.30	U	1.0	0.15	ug/L		03/07/22 09:32	03/07/22 17:38	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/07/22 17:38	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/07/22 17:38	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/07/22 17:38	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/07/22 09:32	03/07/22 17:38	1
Hexachlorobutadiene	0.15	U	1.0	0.060	ug/L		03/07/22 09:32	03/07/22 17:38	1
Hexachlorocyclopentadiene	0.30	U	1.0	0.14	ug/L		03/07/22 09:32	03/07/22 17:38	1
Hexachloroethane	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/07/22 17:38	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/07/22 17:38	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/07/22 17:38	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/07/22 17:38	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/07/22 17:38	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/07/22 09:32	03/07/22 17:38	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/07/22 17:38	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/07/22 17:38	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/07/22 17:38	1
Phenol	0.60	U	1.0	0.36	ug/L		03/07/22 09:32	03/07/22 17:38	1
Pyrene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/07/22 17:38	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/07/22 17:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*43 - 140*	*03/07/22 09:32*	*03/07/22 17:38*	*1*
2-Fluorobiphenyl	*64*		*44 - 119*	*03/07/22 09:32*	*03/07/22 17:38*	*1*
2-Fluorophenol (Surr)	*59*	*M*	*19 - 119*	*03/07/22 09:32*	*03/07/22 17:38*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-383033/1-A
Matrix: Water
Analysis Batch: 383057

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383033

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	70		44 - 120	03/07/22 09:32	03/07/22 17:38	1
Phenol-d5 (Surr)	39	M	10 - 120	03/07/22 09:32	03/07/22 17:38	1
Terphenyl-d14	103		50 - 134	03/07/22 09:32	03/07/22 17:38	1

Lab Sample ID: LCS 580-383033/2-A
Matrix: Water
Analysis Batch: 383057

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	2.00	1.35		ug/L		67	29 - 116
1,2-Dichlorobenzene	2.00	1.45		ug/L		73	32 - 111
1,3-Dichlorobenzene	2.00	1.57		ug/L		78	28 - 110
1,4-Dichlorobenzene	2.00	1.47		ug/L		74	29 - 112
2,4,5-Trichlorophenol	2.00	1.61		ug/L		80	53 - 123
2,4,6-Trichlorophenol	2.00	1.63		ug/L		82	50 - 125
2,4-Dichlorophenol	2.00	1.50		ug/L		75	47 - 121
2,4-Dimethylphenol	2.00	1.75	J	ug/L		88	31 - 124
2,4-Dinitrophenol	4.00	2.60	J M	ug/L		65	23 - 143
2,4-Dinitrotoluene	2.00	1.84		ug/L		92	57 - 128
2,6-Dinitrotoluene	2.00	1.66		ug/L		83	57 - 124
2-Chloronaphthalene	2.00	1.45		ug/L		73	40 - 116
2-Chlorophenol	2.00	1.68		ug/L		84	38 - 117
2-Nitrophenol	2.00	1.60		ug/L		80	47 - 123
3,3'-Dichlorobenzidine	4.00	3.89		ug/L		97	27 - 129
4,6-Dinitro-2-methylphenol	4.00	2.82		ug/L		70	44 - 137
4-Bromophenyl phenyl ether	2.00	1.75		ug/L		87	55 - 124
4-Chloro-3-methylphenol	2.00	1.64		ug/L		82	52 - 119
4-Chlorophenyl phenyl ether	2.00	1.67		ug/L		83	53 - 121
Azobenzene	2.00	1.65	J	ug/L		83	61 - 116
Bis(2-chloroethoxy)methane	2.00	1.64		ug/L		82	48 - 120
Bis(2-chloroethyl)ether	2.00	1.57		ug/L		78	43 - 118
Bis(2-ethylhexyl) phthalate	2.00	2.18	J	ug/L		109	55 - 135
Butyl benzyl phthalate	2.00	1.87	J	ug/L		94	53 - 134
Diethyl phthalate	2.00	1.84		ug/L		92	56 - 125
Dimethyl phthalate	2.00	1.91		ug/L		95	45 - 127
Di-n-butyl phthalate	2.00	1.84	J	ug/L		92	59 - 127
Di-n-octyl phthalate	2.00	1.97		ug/L		98	51 - 140
Hexachlorobenzene	2.00	1.88		ug/L		94	53 - 125
Hexachlorobutadiene	2.00	1.39		ug/L		69	22 - 124
Hexachlorocyclopentadiene	2.00	1.09		ug/L		55	20 - 125
Hexachloroethane	2.00	1.43		ug/L		72	21 - 115
Isophorone	2.00	1.72		ug/L		86	42 - 124
m+p-Cresol	2.00	1.36		ug/L		68	29 - 110
Nitrobenzene	2.00	1.65		ug/L		83	45 - 121
N-Nitrosodimethylamine	2.00	1.12	J	ug/L		56	45 - 125
N-Nitrosodi-n-propylamine	2.00	1.63		ug/L		81	49 - 119
N-Nitrosodiphenylamine	2.00	1.84		ug/L		92	51 - 123
o-Cresol	2.00	1.58		ug/L		79	30 - 117

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-383033/2-A
Matrix: Water
Analysis Batch: 383057

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383033

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Pentachlorophenol			4.00	2.73	J	ug/L		68	35 - 138		
Phenol			2.00	0.911	J M	ug/L		46	13 - 120		
Pyrene			2.00	1.68		ug/L		84	57 - 126		
Pyridine			4.00	3.2	U	ug/L		26	20 - 125		

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*100*		*43 - 140*
2-Fluorobiphenyl	*67*		*44 - 119*
2-Fluorophenol (Surr)	*55*	*M*	*19 - 119*
Nitrobenzene-d5 (Surr)	*72*		*44 - 120*
Phenol-d5 (Surr)	*33*		*10 - 120*
Terphenyl-d14	*104*		*50 - 134*

Lab Sample ID: LCSD 580-383033/3-A
Matrix: Water
Analysis Batch: 383057

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383033

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene			2.00	0.944	Q	ug/L		47	29 - 116	35	20
1,2-Dichlorobenzene			2.00	0.936	Q	ug/L		47	32 - 111	43	20
1,3-Dichlorobenzene			2.00	0.924	Q	ug/L		46	28 - 110	52	20
1,4-Dichlorobenzene			2.00	0.881	Q	ug/L		44	29 - 112	50	20
2,4,5-Trichlorophenol			2.00	1.35		ug/L		67	53 - 123	18	20
2,4,6-Trichlorophenol			2.00	1.46		ug/L		73	50 - 125	11	20
2,4-Dichlorophenol			2.00	1.42		ug/L		71	47 - 121	5	20
2,4-Dimethylphenol			2.00	1.43	J	ug/L		72	31 - 124	20	20
2,4-Dinitrophenol			4.00	2.47	J M	ug/L		62	23 - 143	5	20
2,4-Dinitrotoluene			2.00	1.76		ug/L		88	57 - 128	5	20
2,6-Dinitrotoluene			2.00	1.49		ug/L		75	57 - 124	10	20
2-Chloronaphthalene			2.00	1.20		ug/L		60	40 - 116	19	20
2-Chlorophenol			2.00	1.46		ug/L		73	38 - 117	14	20
2-Nitrophenol			2.00	1.45		ug/L		72	47 - 123	10	20
3,3'-Dichlorobenzidine			4.00	4.22		ug/L		105	27 - 129	8	20
4,6-Dinitro-2-methylphenol			4.00	2.99		ug/L		75	44 - 137	6	20
4-Bromophenyl phenyl ether			2.00	1.80		ug/L		90	55 - 124	3	20
4-Chloro-3-methylphenol			2.00	1.53		ug/L		77	52 - 119	6	20
4-Chlorophenyl phenyl ether			2.00	1.38		ug/L		69	53 - 121	19	20
Azobenzene			2.00	1.61	J	ug/L		80	61 - 116	3	20
Bis(2-chloroethoxy)methane			2.00	1.37		ug/L		68	48 - 120	18	20
Bis(2-chloroethyl)ether			2.00	1.28		ug/L		64	43 - 118	20	20
Bis(2-ethylhexyl) phthalate			2.00	2.33	J	ug/L		116	55 - 135	7	20
Butyl benzyl phthalate			2.00	2.07	J	ug/L		103	53 - 134	10	20
Diethyl phthalate			2.00	1.80		ug/L		90	56 - 125	2	20
Dimethyl phthalate			2.00	1.70		ug/L		85	45 - 127	12	20
Di-n-butyl phthalate			2.00	2.04	J	ug/L		102	59 - 127	10	20
Di-n-octyl phthalate			2.00	2.07		ug/L		104	51 - 140	5	20
Hexachlorobenzene			2.00	1.92		ug/L		96	53 - 125	2	20
Hexachlorobutadiene			2.00	0.741	J Q	ug/L		37	22 - 124	61	20

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-383033/3-A
Matrix: Water
Analysis Batch: 383057

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383033

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorocyclopentadiene			2.00	0.575	J Q	ug/L		29	20 - 125	62	20
Hexachloroethane			2.00	0.740	J Q	ug/L		37	21 - 115	64	20
Isophorone			2.00	1.41		ug/L		70	42 - 124	20	20
m+p-Cresol			2.00	1.19		ug/L		59	29 - 110	13	20
Nitrobenzene			2.00	1.39		ug/L		69	45 - 121	18	20
N-Nitrosodimethylamine			2.00	1.01	J	ug/L		50	45 - 125	11	20
N-Nitrosodi-n-propylamine			2.00	1.38		ug/L		69	49 - 119	16	20
N-Nitrosodiphenylamine			2.00	1.86		ug/L		93	51 - 123	1	20
o-Cresol			2.00	1.29		ug/L		65	30 - 117	20	20
Pentachlorophenol			4.00	2.79	J	ug/L		70	35 - 138	2	20
Phenol			2.00	0.819	J M	ug/L		41	13 - 120	11	20
Pyrene			2.00	1.75		ug/L		88	57 - 126	4	20
Pyridine			4.00	1.15	J	ug/L		29	20 - 125	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*101*		*43 - 140*
2-Fluorobiphenyl	*64*		*44 - 119*
2-Fluorophenol (Surr)	*46*		*19 - 119*
Nitrobenzene-d5 (Surr)	*63*		*44 - 120*
Phenol-d5 (Surr)	*37*	*M*	*10 - 120*
Terphenyl-d14	*115*		*50 - 134*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Lab Sample ID: MB 580-383033/1-A
Matrix: Water
Analysis Batch: 384307

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383033

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol - RA	6.0	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 11:46	1
bis (2-chloroisopropyl) ether - RA	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 11:46	1

Lab Sample ID: LCS 580-383033/2-A
Matrix: Water
Analysis Batch: 384307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383033

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol - RA			4.00	2.45	J	ug/L		61	35 - 145
bis (2-chloroisopropyl) ether - RA			2.00	1.47		ug/L		74	37 - 130

Lab Sample ID: LCSD 580-383033/3-A
Matrix: Water
Analysis Batch: 384307

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383033

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Nitrophenol - RA			4.00	2.65	J	ug/L		66	35 - 145	8	20
bis (2-chloroisopropyl) ether - RA			2.00	1.41		ug/L		71	37 - 130	4	20

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 580-383033/1-A
Matrix: Water
Analysis Batch: 383161

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383033

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 12:09	1
2-Methylnaphthalene	0.080	U	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 12:09	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 12:09	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/07/22 09:32	03/08/22 12:09	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 12:09	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 12:09	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 12:09	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 12:09	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 12:09	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 12:09	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 12:09	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 12:09	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 12:09	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 12:09	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 12:09	1
Naphthalene	0.080	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 12:09	1
Phenanthrene	0.080	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 12:09	1
Pyrene	0.080	U	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*61*	*M*	*40 - 140*	*03/07/22 09:32*	*03/08/22 12:09*	*1*
Fluoranthene-d10 (Surr)	*94*		*40 - 140*	*03/07/22 09:32*	*03/08/22 12:09*	*1*
Terphenyl-d14	*103*		*58 - 132*	*03/07/22 09:32*	*03/08/22 12:09*	*1*

Lab Sample ID: LCS 580-383033/2-A
Matrix: Water
Analysis Batch: 383161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	2.00	1.36		ug/L		68	41 - 115
2-Methylnaphthalene	2.00	1.33		ug/L		66	39 - 114
Acenaphthene	2.00	1.37		ug/L		68	48 - 114
Acenaphthylene	2.00	1.31		ug/L		65	35 - 121
Anthracene	2.00	1.68		ug/L		84	53 - 119
Benzo[a]anthracene	2.00	1.63		ug/L		82	59 - 120
Benzo[a]pyrene	2.00	1.66		ug/L		83	53 - 120
Benzo[b]fluoranthene	2.00	1.58		ug/L		79	53 - 126
Benzo[g,h,i]perylene	2.00	1.86		ug/L		93	44 - 128
Benzo[k]fluoranthene	2.00	1.99		ug/L		99	54 - 125
Chrysene	2.00	1.74		ug/L		87	57 - 120
Dibenz(a,h)anthracene	2.00	1.79	M	ug/L		90	44 - 131
Fluoranthene	2.00	1.74		ug/L		87	58 - 120
Fluorene	2.00	1.52		ug/L		76	50 - 118
Indeno[1,2,3-cd]pyrene	2.00	1.48	M	ug/L		74	48 - 130
Naphthalene	2.00	1.40		ug/L		70	43 - 114
Phenanthrene	2.00	1.55		ug/L		78	53 - 115
Pyrene	2.00	1.72		ug/L		86	53 - 121

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 580-383033/2-A
Matrix: Water
Analysis Batch: 383161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383033

Surrogate	LCS %Recovery	LCS Qualifier	Limits
2-methylnaphthalene-d10	65		40 - 140
Fluoranthene-d10 (Surr)	86		40 - 140
Terphenyl-d14	95		58 - 132

Lab Sample ID: LCSD 580-383033/3-A
Matrix: Water
Analysis Batch: 383161

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383033

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1-Methylnaphthalene			2.00	1.11		ug/L		56	41 - 115	20	20
2-Methylnaphthalene			2.00	1.07	Q	ug/L		54	39 - 114	22	20
Acenaphthene			2.00	1.25		ug/L		62	48 - 114	9	20
Acenaphthylene			2.00	1.19		ug/L		59	35 - 121	10	20
Anthracene			2.00	1.65		ug/L		82	53 - 119	2	20
Benzo[a]anthracene			2.00	1.69		ug/L		85	59 - 120	4	20
Benzo[a]pyrene			2.00	1.74		ug/L		87	53 - 120	5	20
Benzo[b]fluoranthene			2.00	1.75		ug/L		87	53 - 126	10	20
Benzo[g,h,i]perylene			2.00	1.98		ug/L		99	44 - 128	6	20
Benzo[k]fluoranthene			2.00	2.10		ug/L		105	54 - 125	6	20
Chrysene			2.00	1.80		ug/L		90	57 - 120	3	20
Dibenz(a,h)anthracene			2.00	1.90	M	ug/L		95	44 - 131	6	20
Fluoranthene			2.00	1.77		ug/L		88	58 - 120	2	20
Fluorene			2.00	1.40		ug/L		70	50 - 118	8	20
Indeno[1,2,3-cd]pyrene			2.00	1.72	M	ug/L		86	48 - 130	15	20
Naphthalene			2.00	1.18		ug/L		59	43 - 114	17	20
Phenanthrene			2.00	1.51		ug/L		75	53 - 115	3	20
Pyrene			2.00	1.75		ug/L		88	53 - 121	2	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
2-methylnaphthalene-d10	61	M	40 - 140
Fluoranthene-d10 (Surr)	86		40 - 140
Terphenyl-d14	94		58 - 132

GC/MS Semi VOA

Prep Batch: 383033

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-110975-1	ERH2673 (RHMW07)	Total/NA	Water	3510C	
580-110975-1 - RA	ERH2673 (RHMW07)	Total/NA	Water	3510C	
580-110975-2	ERH2648 (RHMW08)	Total/NA	Water	3510C	
580-110975-2 - RA	ERH2648 (RHMW08)	Total/NA	Water	3510C	
580-110975-3	ERH2649 (OWDFMW07A)	Total/NA	Water	3510C	
580-110975-3 - RA	ERH2649 (OWDFMW07A)	Total/NA	Water	3510C	
580-110975-4	ERH2650 (OWDFMW08A)	Total/NA	Water	3510C	
580-110975-4 - RA	ERH2650 (OWDFMW08A)	Total/NA	Water	3510C	
580-110975-5	ERH2651 (OWDFMW08A FD)	Total/NA	Water	3510C	
580-110975-5 - RA	ERH2651 (OWDFMW08A FD)	Total/NA	Water	3510C	
580-110975-6	ERH2652 (RHMW14-3)	Total/NA	Water	3510C	
580-110975-6 - RA	ERH2652 (RHMW14-3)	Total/NA	Water	3510C	
580-110975-7	ERH2653 (RHMW16)	Total/NA	Water	3510C	
580-110975-7 - RA	ERH2653 (RHMW16)	Total/NA	Water	3510C	
580-110975-8	ERH2654 (RHMW12A)	Total/NA	Water	3510C	
580-110975-8 - RA	ERH2654 (RHMW12A)	Total/NA	Water	3510C	
580-110975-9	ERH2655 (RHMW04)	Total/NA	Water	3510C	
580-110975-9 - RA	ERH2655 (RHMW04)	Total/NA	Water	3510C	
MB 580-383033/1-A	Method Blank	Total/NA	Water	3510C	
MB 580-383033/1-A - RA	Method Blank	Total/NA	Water	3510C	
LCS 580-383033/2-A	Lab Control Sample	Total/NA	Water	3510C	
LCS 580-383033/2-A - RA	Lab Control Sample	Total/NA	Water	3510C	
LCSD 580-383033/3-A	Lab Control Sample Dup	Total/NA	Water	3510C	
LCSD 580-383033/3-A - RA	Lab Control Sample Dup	Total/NA	Water	3510C	

Analysis Batch: 383057

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 580-383033/1-A	Method Blank	Total/NA	Water	8270E	383033
LCS 580-383033/2-A	Lab Control Sample	Total/NA	Water	8270E	383033
LCSD 580-383033/3-A	Lab Control Sample Dup	Total/NA	Water	8270E	383033

Analysis Batch: 383156

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-110975-1	ERH2673 (RHMW07)	Total/NA	Water	8270E	383033
580-110975-2	ERH2648 (RHMW08)	Total/NA	Water	8270E	383033
580-110975-3	ERH2649 (OWDFMW07A)	Total/NA	Water	8270E	383033
580-110975-4	ERH2650 (OWDFMW08A)	Total/NA	Water	8270E	383033
580-110975-5	ERH2651 (OWDFMW08A FD)	Total/NA	Water	8270E	383033
580-110975-6	ERH2652 (RHMW14-3)	Total/NA	Water	8270E	383033
580-110975-7	ERH2653 (RHMW16)	Total/NA	Water	8270E	383033
580-110975-8	ERH2654 (RHMW12A)	Total/NA	Water	8270E	383033
580-110975-9	ERH2655 (RHMW04)	Total/NA	Water	8270E	383033

Analysis Batch: 383161

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-110975-1	ERH2673 (RHMW07)	Total/NA	Water	8270E SIM	383033
580-110975-2	ERH2648 (RHMW08)	Total/NA	Water	8270E SIM	383033
580-110975-3	ERH2649 (OWDFMW07A)	Total/NA	Water	8270E SIM	383033
580-110975-4	ERH2650 (OWDFMW08A)	Total/NA	Water	8270E SIM	383033
580-110975-5	ERH2651 (OWDFMW08A FD)	Total/NA	Water	8270E SIM	383033
580-110975-6	ERH2652 (RHMW14-3)	Total/NA	Water	8270E SIM	383033

GC/MS Semi VOA (Continued)

Analysis Batch: 383161 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-110975-7	ERH2653 (RHMW16)	Total/NA	Water	8270E SIM	383033
580-110975-8	ERH2654 (RHMW12A)	Total/NA	Water	8270E SIM	383033
580-110975-9	ERH2655 (RHMW04)	Total/NA	Water	8270E SIM	383033
MB 580-383033/1-A	Method Blank	Total/NA	Water	8270E SIM	383033
LCS 580-383033/2-A	Lab Control Sample	Total/NA	Water	8270E SIM	383033
LCSD 580-383033/3-A	Lab Control Sample Dup	Total/NA	Water	8270E SIM	383033

Analysis Batch: 384307

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
580-110975-1 - RA	ERH2673 (RHMW07)	Total/NA	Water	8270E	383033
580-110975-2 - RA	ERH2648 (RHMW08)	Total/NA	Water	8270E	383033
580-110975-3 - RA	ERH2649 (OWDFMW07A)	Total/NA	Water	8270E	383033
580-110975-4 - RA	ERH2650 (OWDFMW08A)	Total/NA	Water	8270E	383033
580-110975-5 - RA	ERH2651 (OWDFMW08A FD)	Total/NA	Water	8270E	383033
580-110975-6 - RA	ERH2652 (RHMW14-3)	Total/NA	Water	8270E	383033
580-110975-7 - RA	ERH2653 (RHMW16)	Total/NA	Water	8270E	383033
580-110975-8 - RA	ERH2654 (RHMW12A)	Total/NA	Water	8270E	383033
580-110975-9 - RA	ERH2655 (RHMW04)	Total/NA	Water	8270E	383033
MB 580-383033/1-A - RA	Method Blank	Total/NA	Water	8270E	383033
LCS 580-383033/2-A - RA	Lab Control Sample	Total/NA	Water	8270E	383033
LCSD 580-383033/3-A - RA	Lab Control Sample Dup	Total/NA	Water	8270E	383033

Lab Chronicle

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2673 (RHMW07)

Lab Sample ID: 580-110975-1

Date Collected: 03/01/22 08:55

Matrix: Water

Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 12:03	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 14:30	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 13:26	E1L	FGS SEA

Client Sample ID: ERH2648 (RHMW08)

Lab Sample ID: 580-110975-2

Date Collected: 02/28/22 13:35

Matrix: Water

Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 12:26	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 14:53	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 13:45	E1L	FGS SEA

Client Sample ID: ERH2649 (OWDFMW07A)

Lab Sample ID: 580-110975-3

Date Collected: 02/28/22 13:40

Matrix: Water

Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 12:49	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 15:16	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 14:04	E1L	FGS SEA

Client Sample ID: ERH2650 (OWDFMW08A)

Lab Sample ID: 580-110975-4

Date Collected: 02/28/22 09:45

Matrix: Water

Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 13:12	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 15:40	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 14:23	E1L	FGS SEA

Client Sample ID: ERH2651 (OWDFMW08A FD)

Lab Sample ID: 580-110975-5

Date Collected: 02/28/22 09:45

Matrix: Water

Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 13:35	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 16:03	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 14:43	E1L	FGS SEA

Client Sample ID: ERH2652 (RHMW14-3)

Lab Sample ID: 580-110975-6

Date Collected: 03/01/22 10:25

Matrix: Water

Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 13:58	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 16:27	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 15:02	E1L	FGS SEA

Client Sample ID: ERH2653 (RHMW16)

Lab Sample ID: 580-110975-7

Date Collected: 03/01/22 11:10

Matrix: Water

Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 14:21	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 16:50	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 15:21	E1L	FGS SEA

Client Sample ID: ERH2654 (RHMW12A)

Lab Sample ID: 580-110975-8

Date Collected: 03/01/22 14:20

Matrix: Water

Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 14:45	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 17:13	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 15:40	E1L	FGS SEA

Client Sample ID: ERH2655 (RHMW04)
Lab Sample ID: 580-110975-9

Date Collected: 03/01/22 11:30
Matrix: Water
Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 15:08	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 17:37	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 15:59	E1L	FGS SEA

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: AECOM
Job ID: 580-110975-1
Project/Site: Red Hill GW

Laboratory: Eurofins Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2236	01-19-25

Method Summary

Client: AECOM
Job ID: 580-110975-1
Project/Site: Red Hill GW

Method	Method Description	Protocol	Laboratory
8270E	Semivolatile Organic Compounds (GC/MS)	SW846	FGS SEA
8270E SIM	Semivolatile Organic Compounds (GC/MS SIM)	SW846	FGS SEA
3510C	Liquid-Liquid Extraction (Separatory Funnel)	SW846	FGS SEA

Protocol References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Sample Summary

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-110975-1	ERH2673 (RHMW07)	Water	03/01/22 08:55	03/03/22 09:40
580-110975-2	ERH2648 (RHMW08)	Water	02/28/22 13:35	03/03/22 09:40
580-110975-3	ERH2649 (OWDFMW07A)	Water	02/28/22 13:40	03/03/22 09:40
580-110975-4	ERH2650 (OWDFMW08A)	Water	02/28/22 09:45	03/03/22 09:40
580-110975-5	ERH2651 (OWDFMW08A FD)	Water	02/28/22 09:45	03/03/22 09:40
580-110975-6	ERH2652 (RHMW14-3)	Water	03/01/22 10:25	03/03/22 09:40
580-110975-7	ERH2653 (RHMW16)	Water	03/01/22 11:10	03/03/22 09:40
580-110975-8	ERH2654 (RHMW12A)	Water	03/01/22 14:20	03/03/22 09:40
580-110975-9	ERH2655 (RHMW04)	Water	03/01/22 11:30	03/03/22 09:40

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 379142

Lab Sample ID: STD10 580-379142/4 IC Client Sample ID:

Date Analyzed: 01/24/22 17:04 Lab File ID: 0124A10_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	4.24	Peak assignment corrected	limmere	01/27/22 13:41
1,4-Dichlorobenzene-d4 (IS)	4.49	Peak assignment corrected	limmere	01/27/22 13:41
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	limmere	01/27/22 13:41
Benzoic acid	5.41	Peak assignment corrected	limmere	01/27/22 13:41
2,4-Dinitrophenol	7.00	Peak assignment corrected	limmere	01/27/22 13:41

Lab Sample ID: STD9 580-379142/5 IC Client Sample ID:

Date Analyzed: 01/24/22 17:28 Lab File ID: 0124A11_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	limmere	01/27/22 13:42
Benzoic acid	5.37	Peak assignment corrected	mohammedj	01/27/22 14:45
2,4-Dinitrophenol	6.99	Peak assignment corrected	limmere	01/27/22 13:41

Lab Sample ID: STD8 580-379142/6 IC Client Sample ID:

Date Analyzed: 01/24/22 17:51 Lab File ID: 0124A12_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4 (IS)	4.49	Peak assignment corrected	limmere	01/27/22 13:42
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	limmere	01/27/22 13:42
2,4-Dinitrophenol	6.99	Peak assignment corrected	limmere	01/27/22 13:42

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 379142

Lab Sample ID: STD7IS 580-379142/7 ICI Client Sample ID:

Date Analyzed: 01/24/22 18:14 Lab File ID: 0124A13_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	mohammedj	01/27/22 14:42
2,4-Dinitrophenol	6.99	Peak assignment corrected	limmere	01/27/22 13:40

Lab Sample ID: STD6 580-379142/8 IC Client Sample ID:

Date Analyzed: 01/24/22 18:37 Lab File ID: 0124A14_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	mohammedj	01/27/22 14:41
Benzoic acid	5.29	Peak assignment corrected	limmere	01/27/22 13:55
2,4-Dinitrophenol	6.99	Peak assignment corrected	limmere	01/27/22 13:43
4-Nitroaniline	7.40	Incomplete Integration	mohammedj	01/27/22 14:41
Benzofluoranthene	11.46	Peak assignment corrected	limmere	01/27/22 13:43

Lab Sample ID: STD5 580-379142/9 IC Client Sample ID:

Date Analyzed: 01/24/22 19:00 Lab File ID: 0124A15_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	4.24	Peak assignment corrected	limmere	01/27/22 13:55
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	limmere	01/27/22 13:55
Benzoic acid	5.29	Incomplete Integration	mohammedj	01/27/22 14:40
3-Nitroaniline	6.91	Incomplete Integration	mohammedj	01/27/22 14:39
2,4-Dinitrophenol	7.00	Peak assignment corrected	limmere	01/27/22 13:55
4-Nitroaniline	7.42	Incomplete Integration	mohammedj	01/27/22 14:39

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 379142

Lab Sample ID: STD4 580-379142/10 IC Client Sample ID:

Date Analyzed: 01/24/22 19:23 Lab File ID: 0124A16_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	mohammedj	01/27/22 14:38
2,4,5-Trichlorophenol	6.35	Peak assignment corrected	limmere	01/27/22 13:56
2-Nitroaniline	6.57	Incomplete Integration	boylea	01/28/22 16:57
2,4-Dinitrotoluene	7.10	Peak assignment corrected	mohammedj	01/27/22 14:38
2,3,5,6-Tetrachlorophenol	7.17	Peak assignment corrected	limmere	01/27/22 13:56
Pentachlorophenol	7.99	Peak assignment corrected	mohammedj	01/27/22 14:38
Benzofluoranthene	11.43	Peak assignment corrected	limmere	01/27/22 13:56

Lab Sample ID: STD3 580-379142/11 IC Client Sample ID:

Date Analyzed: 01/24/22 19:45 Lab File ID: 0124A17_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4,5-Trichlorophenol	6.36	Peak assignment corrected	limmere	01/27/22 13:57
Carbazole	8.35	Incomplete Integration	mohammedj	01/27/22 14:36
3,3'-Dichlorobenzidine	10.32	Incomplete Integration	mohammedj	01/27/22 14:36
Benzofluoranthene	11.46	Peak assignment corrected	limmere	01/27/22 13:57
Indeno[1,2,3-cd]pyrene	13.17	Incomplete Integration	mohammedj	01/27/22 14:35

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 379142

Lab Sample ID: STD2 580-379142/12 IC Client Sample ID:

Date Analyzed: 01/24/22 20:08 Lab File ID: 0124A18_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorophenol (Surr)	3.49	Peak assignment corrected	limmere	01/27/22 13:57
bis (2-chloroisopropyl) ether	4.71	Peak assignment corrected	limmere	01/27/22 13:58
2-Nitrophenol	5.20	Peak assignment corrected	limmere	01/27/22 13:58
Bis(2-chloroethoxy)methane	5.32	Peak assignment corrected	mohammedj	01/27/22 15:08
Anthracene	8.20	Peak assignment corrected	mohammedj	01/27/22 14:34
Benzo[a]anthracene	10.33	Peak assignment corrected	mohammedj	01/27/22 14:34
Bis(2-ethylhexyl) phthalate	10.40	Peak assignment corrected	mohammedj	01/27/22 14:34
Benzofluoranthene	11.43	Peak assignment corrected	mohammedj	01/27/22 14:34
Benzo[k]fluoranthene	11.46	Peak assignment corrected	mohammedj	01/27/22 14:34
Benzo[g,h,i]perylene	13.50	Incomplete Integration	mohammedj	01/27/22 14:35

Lab Sample ID: ICV 580-379142/15 Client Sample ID:

Date Analyzed: 01/24/22 21:17 Lab File ID: 0124A21_.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether	4.72	Peak assignment corrected	limmere	01/27/22 12:07
Benzoic acid	5.30	Baseline	limmere	01/27/22 12:08
2,4-Dinitrophenol	6.99	Baseline	limmere	01/27/22 12:09
4-Nitrophenol	7.05	Peak Tail	boylea	01/28/22 17:05
Benzofluoranthene	11.43	Baseline	limmere	01/27/22 12:09
Perylene-d12	11.86	Incomplete Integration	mohammedj	01/27/22 14:58
Benzo[g,h,i]perylene	13.49	Baseline	limmere	01/27/22 12:09

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 383057

Lab Sample ID: CCVIS 580-383057/3 Client Sample ID:

Date Analyzed: 03/07/22 11:12 Lab File ID: 30722A04.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitrophenol	7.12	Baseline	limmere	03/07/22 13:56
Phenanthrene-d10	8.12	Baseline	limmere	03/07/22 13:56
Benzidine	9.25	Baseline	limmere	03/07/22 13:56
Benzofluoranthene	11.44	Baseline	limmere	03/07/22 13:57

Lab Sample ID: CCVL 580-383057/4 Client Sample ID:

Date Analyzed: 03/07/22 11:35 Lab File ID: 30722A05.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether	4.69	Baseline	limmere	03/07/22 13:58

Lab Sample ID: MB 580-383033/1-A Client Sample ID:

Date Analyzed: 03/07/22 17:38 Lab File ID: 30722A20.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorophenol (Surr)	3.51	Assign Peak	limmere	03/08/22 10:17
Phenol-d5 (Surr)	4.26	Assign Peak	limmere	03/08/22 10:17
Di-n-octyl phthalate		Invalid Compound ID	limmere	03/08/22 10:18

Lab Sample ID: LCS 580-383033/2-A Client Sample ID:

Date Analyzed: 03/07/22 18:01 Lab File ID: 30722A21.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorophenol (Surr)	3.51	Baseline	limmere	03/08/22 10:21
Phenol	4.27	Baseline	limmere	03/08/22 10:21
2,4-Dinitrophenol	6.98	Baseline	limmere	03/08/22 10:21

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 383057

Lab Sample ID: LCSD 580-383033/3-A Client Sample ID:

Date Analyzed: 03/07/22 18:24 Lab File ID: 30722A22.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Phenol-d5 (Surr)	4.26	Baseline	limmere	03/08/22 10:22
Phenol	4.27	Baseline	limmere	03/08/22 10:22
2,4-Dinitrophenol	6.99	Baseline	limmere	03/08/22 10:23

Lab Sample ID: CCVC 580-383057/27 Client Sample ID:

Date Analyzed: 03/07/22 20:20 Lab File ID: 30722A27.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
1,4-Dichlorobenzene-d4	4.47	Baseline	limmere	03/08/22 10:32
2,4-Dinitrophenol	6.98	Baseline	limmere	03/09/22 11:43
4-Nitrophenol	7.12	Baseline	limmere	03/08/22 10:32
Benzofluoranthene	11.41	Baseline	limmere	03/08/22 10:33

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 383156

Lab Sample ID: CCVIS 580-383156/3 Client Sample ID:

Date Analyzed: 03/08/22 10:54 Lab File ID: 30822A04.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
n-Decane	4.34	Baseline	limmere	03/08/22 11:11
Benzyl alcohol	4.60	Baseline	limmere	03/08/22 11:11
2,4-Dinitrophenol	6.98	Baseline	limmere	03/08/22 11:12
n-Octadecane	8.06	Baseline	limmere	03/08/22 11:12
Phenanthrene-d10	8.12	Baseline	limmere	03/08/22 11:11
Benzofluoranthene	11.44	Baseline	limmere	03/08/22 11:12

Lab Sample ID: CCVL 580-383156/4 Client Sample ID:

Date Analyzed: 03/08/22 11:18 Lab File ID: 30822A05.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
3-Nitroaniline	6.93	Peak assignment corrected	thaneerat w	03/09/22 11:17
2,4-Dinitrotoluene	7.10	Peak assignment corrected	thaneerat w	03/09/22 11:17
2,3,4,6-Tetrachlorophenol	7.21	Peak assignment corrected	thaneerat w	03/09/22 11:17
Benzidine	9.27	Peak assignment corrected	thaneerat w	03/09/22 11:18

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 383156

Lab Sample ID: 580-110975-1 Client Sample ID: ERH2673 (RHMW07)

Date Analyzed: 03/08/22 12:03 Lab File ID: 30822A06.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,6-Dinitrotoluene		Invalid Compound ID	thaneerat w	03/09/22 09:10
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/09/22 09:10
Azobenzene		Invalid Compound ID	thaneerat w	03/09/22 09:17
Bis(2-chloroethoxy)methane		Invalid Compound ID	thaneerat w	03/09/22 09:10
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/09/22 09:17
o-Cresol		Invalid Compound ID	thaneerat w	03/09/22 09:10
Phenol		Invalid Compound ID	thaneerat w	03/09/22 09:10

Lab Sample ID: 580-110975-2 Client Sample ID: ERH2648 (RHMW08)

Date Analyzed: 03/08/22 12:26 Lab File ID: 30822A07.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/09/22 09:28
Azobenzene		Invalid Compound ID	thaneerat w	03/09/22 09:28
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/09/22 09:29
Phenol		Invalid Compound ID	thaneerat w	03/09/22 09:27

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 383156

Lab Sample ID: 580-110975-3 Client Sample ID: ERH2649 (OWDFMW07A)

Date Analyzed: 03/08/22 12:49 Lab File ID: 30822A08.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/09/22 09:32

Lab Sample ID: 580-110975-4 Client Sample ID: ERH2650 (OWDFMW08A)

Date Analyzed: 03/08/22 13:12 Lab File ID: 30822A09.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Dimethyl phthalate		Invalid Compound ID	thaneerat w	03/09/22 09:34
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/09/22 09:35

Lab Sample ID: 580-110975-5 Client Sample ID: ERH2651 (OWDFMW08A FD)

Date Analyzed: 03/08/22 13:35 Lab File ID: 30822A10.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Azobenzene		Invalid Compound ID	thaneerat w	03/09/22 09:39
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/09/22 09:40

Lab Sample ID: 580-110975-6 Client Sample ID: ERH2652 (RHMW14-3)

Date Analyzed: 03/08/22 13:58 Lab File ID: 30822A11.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Chloro-3-methylphenol		Invalid Compound ID	thaneerat w	03/09/22 09:41
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/09/22 09:42

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 383156

Lab Sample ID: 580-110975-7 Client Sample ID: ERH2653 (RHMW16)

Date Analyzed: 03/08/22 14:21 Lab File ID: 30822A12.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Azobenzene		Invalid Compound ID	thaneerat w	03/09/22 09:44
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/09/22 09:44

Lab Sample ID: 580-110975-8 Client Sample ID: ERH2654 (RHMW12A)

Date Analyzed: 03/08/22 14:45 Lab File ID: 30822A13.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/09/22 09:48

Lab Sample ID: 580-110975-9 Client Sample ID: ERH2655 (RHMW04)

Date Analyzed: 03/08/22 15:08 Lab File ID: 30822A14.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Azobenzene		Invalid Compound ID	thaneerat w	03/09/22 09:51
Di-n-octyl phthalate		Invalid Compound ID	thaneerat w	03/09/22 09:52

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 384307

Lab Sample ID: CCVIS 580-384307/3 Client Sample ID:

Date Analyzed: 03/18/22 10:27 Lab File ID: 31822A04.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Aniline	4.20	Baseline	limmere	03/18/22 11:47
2,4-Dinitrophenol	6.97	Baseline	limmere	03/18/22 11:47
4-Nitrophenol	7.09	Baseline	limmere	03/18/22 11:47
Carbazole	8.32	Baseline	limmere	03/18/22 11:48
Di-n-octyl phthalate	11.02	Baseline	limmere	03/18/22 11:48
Benzofluoranthene	11.43	Baseline	limmere	03/18/22 11:48

Lab Sample ID: MB 580-383033/1-A RA Client Sample ID:

Date Analyzed: 03/18/22 11:46 Lab File ID: 31822A07.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether		Invalid Compound ID	boylea	03/18/22 20:22

Lab Sample ID: 580-110975-1 RA Client Sample ID: ERH2673 (RHMW07) RA

Date Analyzed: 03/18/22 14:30 Lab File ID: 31822A14.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitrophenol		Invalid Compound ID	boylea	03/18/22 20:28
bis (2-chloroisopropyl) ether		Invalid Compound ID	boylea	03/18/22 20:28

Lab Sample ID: 580-110975-2 RA Client Sample ID: ERH2648 (RHMW08) RA

Date Analyzed: 03/18/22 14:53 Lab File ID: 31822A15.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether		Invalid Compound ID	boylea	03/18/22 20:28

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 384307

Lab Sample ID: 580-110975-3 RA Client Sample ID: ERH2649 (OWDFMW07A) RA

Date Analyzed: 03/18/22 15:16 Lab File ID: 31822A16.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether		Invalid Compound ID	boylea	03/18/22 20:29

Lab Sample ID: 580-110975-4 RA Client Sample ID: ERH2650 (OWDFMW08A) RA

Date Analyzed: 03/18/22 15:40 Lab File ID: 31822A17.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether		Invalid Compound ID	boylea	03/18/22 20:29

Lab Sample ID: 580-110975-5 RA Client Sample ID: ERH2651 (OWDFMW08A FD) RA

Date Analyzed: 03/18/22 16:03 Lab File ID: 31822A18Z.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether		Invalid Compound ID	boylea	03/18/22 20:38

Lab Sample ID: 580-110975-6 RA Client Sample ID: ERH2652 (RHMW14-3) RA

Date Analyzed: 03/18/22 16:27 Lab File ID: 31822A19.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
4-Nitrophenol		Invalid Compound ID	boylea	03/18/22 20:34
bis (2-chloroisopropyl) ether		Invalid Compound ID	boylea	03/18/22 20:34

Lab Sample ID: 580-110975-7 RA Client Sample ID: ERH2653 (RHMW16) RA

Date Analyzed: 03/18/22 16:50 Lab File ID: 31822A20.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether		Invalid Compound ID	boylea	03/18/22 20:35

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Analysis Batch Number: 384307

Lab Sample ID: 580-110975-8 RA Client Sample ID: ERH2654 (RHMW12A) RA

Date Analyzed: 03/18/22 17:13 Lab File ID: 31822A21.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether		Invalid Compound ID	boylea	03/18/22 20:35

Lab Sample ID: 580-110975-9 RA Client Sample ID: ERH2655 (RHMW04) RA

Date Analyzed: 03/18/22 17:37 Lab File ID: 31822A22.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
bis (2-chloroisopropyl) ether		Invalid Compound ID	boylea	03/18/22 20:35

Lab Sample ID: CCVC 580-384307/22 Client Sample ID:

Date Analyzed: 03/18/22 18:00 Lab File ID: 31822A23.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2,4-Dinitrophenol	6.97	Peak assignment corrected	boylea	03/18/22 20:15

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD13 580-378263/4 IC Client Sample ID:

Date Analyzed: 01/14/22 01:16 Lab File ID: SIM011322b014.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	11.03	Incomplete Integration	boylea	01/14/22 13:59

Lab Sample ID: STD12 580-378263/5 IC Client Sample ID:

Date Analyzed: 01/14/22 01:35 Lab File ID: SIM011322b015.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	11.02	Incomplete Integration	boylea	01/14/22 13:59
Bis(2-ethylhexyl) phthalate	11.90	Incomplete Integration	boylea	01/14/22 13:58

Lab Sample ID: STD11 580-378263/6 IC Client Sample ID:

Date Analyzed: 01/14/22 01:54 Lab File ID: SIM011322b016.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	11.02	Incomplete Integration	boylea	01/14/22 14:00
Bis(2-ethylhexyl) phthalate	11.90	Incomplete Integration	boylea	01/14/22 13:58

Lab Sample ID: STD10 580-378263/7 IC Client Sample ID:

Date Analyzed: 01/14/22 02:13 Lab File ID: SIM011322b017.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	11.01	Incomplete Integration	boylea	01/14/22 14:01
Bis(2-ethylhexyl) phthalate	11.90	Incomplete Integration	boylea	01/14/22 14:01
Benzo[b]fluoranthene	12.47	Peak assignment corrected	boylea	01/14/22 14:01

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD9IS 580-378263/8 IC Client Sample ID:

Date Analyzed: 01/14/22 02:32 Lab File ID: SIM011322b018.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	6.19	Peak assignment corrected	boylea	01/14/22 14:01
Benzo[a]anthracene	11.01	Incomplete Integration	boylea	01/14/22 14:02
Bis(2-ethylhexyl) phthalate	11.90	Incomplete Integration	boylea	01/14/22 14:02
Benzo[b]fluoranthene	12.47	Incomplete Integration	boylea	01/14/22 14:02

Lab Sample ID: STD8 580-378263/9 IC Client Sample ID:

Date Analyzed: 01/14/22 02:51 Lab File ID: SIM011322b019.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	6.19	Incomplete Integration	boylea	01/14/22 14:07
Benzo[a]anthracene	11.01	Incomplete Integration	boylea	01/14/22 14:07
Bis(2-ethylhexyl) phthalate	11.89	Assign Peak	boylea	01/14/22 14:07
Benzo[b]fluoranthene	12.47	Split Peak	boylea	01/14/22 14:06
Indeno[1,2,3-cd]pyrene	14.94	Split Peak	boylea	01/14/22 14:06
Dibenz(a,h)anthracene	14.98	Peak assignment corrected	boylea	01/14/22 14:06

Lab Sample ID: STD7 580-378263/10 IC Client Sample ID:

Date Analyzed: 01/14/22 03:10 Lab File ID: SIM011322b020.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Shouldering	boylea	01/14/22 14:12
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:12
Pentachlorophenol	8.13	Incomplete Integration	boylea	01/14/22 14:12
Pyrene	9.75	Incomplete Integration	boylea	01/14/22 14:12
Bis(2-ethylhexyl) phthalate	11.89	Assign Peak	boylea	01/14/22 14:13
Benzo[b]fluoranthene	12.47	Incomplete Integration	boylea	01/14/22 14:13
Indeno[1,2,3-cd]pyrene	14.94	Split Peak	boylea	01/14/22 14:13
Dibenz(a,h)anthracene	14.98	Split Peak	boylea	01/14/22 14:13

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD6 580-378263/11 IC Client Sample ID:

Date Analyzed: 01/14/22 03:29 Lab File ID: SIM011322b021.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Shouldering	boylea	01/14/22 14:15
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:15
Pentachlorophenol	8.13	Assign Peak	boylea	01/14/22 14:15
Bis(2-ethylhexyl) phthalate	11.89	Assign Peak	boylea	01/14/22 14:15
Benzo[b]fluoranthene	12.47	Incomplete Integration	boylea	01/14/22 14:14
Indeno[1,2,3-cd]pyrene	14.94	Split Peak	boylea	01/14/22 14:14
Dibenz(a,h)anthracene	14.99	Incomplete Integration	boylea	01/14/22 14:14
Benzo[g,h,i]perylene	15.43	Incomplete Integration	boylea	01/14/22 14:14

Lab Sample ID: STD5 580-378263/12 IC Client Sample ID:

Date Analyzed: 01/14/22 03:48 Lab File ID: SIM011322b022.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	boylea	01/14/22 14:16
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:16
2,4,6-Tribromophenol (Surr)	7.63	Assign Peak	boylea	01/14/22 14:16
Pentachlorophenol	8.15	Assign Peak	boylea	01/14/22 14:16
Benzo[a]anthracene	11.02	Incomplete Integration	boylea	01/14/22 14:17
Bis(2-ethylhexyl) phthalate	11.89	Assign Peak	boylea	01/14/22 14:18
Benzo[b]fluoranthene	12.47	Incomplete Integration	boylea	01/14/22 14:18
Benzo[k]fluoranthene	12.52	Incomplete Integration	boylea	01/14/22 14:18
Benzo[a]pyrene	12.99	Incomplete Integration	boylea	01/14/22 14:18
Indeno[1,2,3-cd]pyrene	14.94	Split Peak	boylea	01/14/22 14:18
Dibenz(a,h)anthracene	14.99	Assign Peak	boylea	01/14/22 14:19
Benzo[g,h,i]perylene	15.43	Incomplete Integration	boylea	01/14/22 14:19

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD4 580-378263/13 IC Client Sample ID:

Date Analyzed: 01/14/22 04:07 Lab File ID: SIM011322b023.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Incomplete Integration	boylea	01/14/22 14:23
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:23
Fluorene	7.39	Incomplete Integration	boylea	01/14/22 14:22
2,4,6-Tribromophenol (Surr)	7.64	Incomplete Integration	boylea	01/14/22 14:23
Anthracene	8.39	Incomplete Integration	boylea	01/14/22 14:21
Fluoranthene-d10 (Surr)	9.51	Incomplete Integration	boylea	01/14/22 14:23
Fluoranthene	9.52	Assign Peak	boylea	01/14/22 14:21
Pyrene	9.75	Assign Peak	boylea	01/14/22 14:21
Terphenyl-d14	9.90	Incomplete Integration	boylea	01/14/22 14:23
Benzo[a]anthracene	11.02	Assign Peak	boylea	01/14/22 14:21
Chrysene-d12	11.03	Incomplete Integration	boylea	01/14/22 14:36
Chrysene	11.06	Assign Peak	boylea	01/14/22 14:21
Bis(2-ethylhexyl) phthalate	11.90	Assign Peak	boylea	01/14/22 14:21
Benzo[b]fluoranthene	12.47	Assign Peak	boylea	01/14/22 14:21
Benzo[k]fluoranthene	12.52	Assign Peak	boylea	01/14/22 14:21
Benzo[a]pyrene	12.99	Assign Peak	boylea	01/14/22 14:19
Indeno[1,2,3-cd]pyrene	14.95	Assign Peak	boylea	01/14/22 14:19
Dibenz(a,h)anthracene	15.00	Assign Peak	boylea	01/14/22 14:19
Benzo[g,h,i]perylene	15.43	Assign Peak	boylea	01/14/22 14:19

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD3 580-378263/14 IC Client Sample ID:

Date Analyzed: 01/14/22 04:26 Lab File ID: SIM011322b024.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	boylea	01/14/22 14:25
2-methylnaphthalene-d10	5.81	Assign Peak	boylea	01/14/22 14:24
2-Methylnaphthalene	5.84	Assign Peak	boylea	01/14/22 14:25
1-Methylnaphthalene	5.94	Assign Peak	boylea	01/14/22 14:25
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:24
Acenaphthylene	6.72	Assign Peak	boylea	01/14/22 14:25
Fluorene	7.39	Assign Peak	boylea	01/14/22 14:25
2,4,6-Tribromophenol (Surr)	7.64	Assign Peak	boylea	01/14/22 14:24
Phenanthrene	8.34	Assign Peak	boylea	01/14/22 14:25
Anthracene	8.39	Assign Peak	boylea	01/14/22 14:25
Fluoranthene-d10 (Surr)	9.51	Assign Peak	boylea	01/14/22 14:24
Fluoranthene	9.52	Assign Peak	boylea	01/14/22 14:26
Pyrene	9.75	Assign Peak	boylea	01/14/22 14:26
Terphenyl-d14	9.90	Assign Peak	boylea	01/14/22 14:25
Benzo[a]anthracene	11.01	Assign Peak	boylea	01/14/22 14:26
Chrysene	11.06	Assign Peak	boylea	01/14/22 14:26
Bis(2-ethylhexyl) phthalate	11.89	Assign Peak	boylea	01/14/22 14:26
Benzo[b]fluoranthene	12.47	Assign Peak	boylea	01/14/22 14:26
Benzo[k]fluoranthene	12.52	Assign Peak	boylea	01/14/22 14:26
Benzo[a]pyrene	12.98	Assign Peak	boylea	01/14/22 14:27
Indeno[1,2,3-cd]pyrene	14.94	Assign Peak	boylea	01/14/22 14:27
Dibenz(a,h)anthracene	15.00	Assign Peak	boylea	01/14/22 14:27
Benzo[g,h,i]perylene	15.43	Assign Peak	boylea	01/14/22 14:27

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD2 580-378263/15 IC Client Sample ID:

Date Analyzed: 01/14/22 04:45 Lab File ID: SIM011322b025.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	boylea	01/14/22 14:29
2-methylnaphthalene-d10	5.81	Assign Peak	boylea	01/14/22 14:28
2-Methylnaphthalene	5.84	Assign Peak	boylea	01/14/22 14:30
1-Methylnaphthalene	5.94	Assign Peak	boylea	01/14/22 14:30
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:29
Acenaphthylene	6.72	Assign Peak	boylea	01/14/22 14:30
Acenaphthene	6.88	Assign Peak	boylea	01/14/22 14:30
Fluorene	7.39	Assign Peak	boylea	01/14/22 14:31
2,4,6-Tribromophenol (Surr)	7.64	Assign Peak	boylea	01/14/22 14:29
Phenanthrene	8.34	Assign Peak	boylea	01/14/22 14:31
Anthracene	8.39	Assign Peak	boylea	01/14/22 14:31
Fluoranthene-d10 (Surr)	9.51	Assign Peak	boylea	01/14/22 14:29
Fluoranthene	9.53	Assign Peak	boylea	01/14/22 14:31
Pyrene	9.75	Assign Peak	boylea	01/14/22 14:31
Terphenyl-d14	9.90	Assign Peak	boylea	01/14/22 14:29
Benzo[a]anthracene	11.02	Assign Peak	boylea	01/14/22 14:32
Chrysene	11.06	Assign Peak	boylea	01/14/22 14:32
Bis(2-ethylhexyl) phthalate	11.90	Assign Peak	boylea	01/14/22 14:32
Benzo[b]fluoranthene	12.48	Assign Peak	boylea	01/14/22 14:32
Benzo[k]fluoranthene	12.52	Assign Peak	boylea	01/14/22 14:32
Benzo[a]pyrene	12.99	Assign Peak	boylea	01/14/22 14:32
Indeno[1,2,3-cd]pyrene	14.95	Assign Peak	boylea	01/14/22 14:32
Dibenz(a,h)anthracene	15.00	Assign Peak	boylea	01/14/22 14:32
Benzo[g,h,i]perylene	15.44	Assign Peak	boylea	01/14/22 14:33

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: STD1 580-378263/16 IC Client Sample ID:

Date Analyzed: 01/14/22 05:04 Lab File ID: SIM011322b026.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	boylea	01/14/22 14:37
2-methylnaphthalene-d10	5.81	Assign Peak	boylea	01/14/22 14:36
2-Methylnaphthalene	5.84	Assign Peak	boylea	01/14/22 14:37
1-Methylnaphthalene	5.94	Assign Peak	boylea	01/14/22 14:37
2-Fluorobiphenyl	6.19	Assign Peak	boylea	01/14/22 14:37
Acenaphthylene	6.72	Assign Peak	boylea	01/14/22 14:37
Acenaphthene	6.89	Assign Peak	boylea	01/14/22 14:37
Fluorene	7.39	Assign Peak	boylea	01/14/22 14:37
Phenanthrene	8.34	Assign Peak	boylea	01/14/22 14:38
Anthracene	8.40	Assign Peak	boylea	01/14/22 14:38
Fluoranthene-d10 (Surr)	9.51	Assign Peak	boylea	01/14/22 14:37
Fluoranthene	9.53	Assign Peak	boylea	01/14/22 14:38
Pyrene	9.75	Assign Peak	boylea	01/14/22 14:38
Terphenyl-d14	9.90	Assign Peak	boylea	01/14/22 14:37
Benzo[a]anthracene	11.02	Assign Peak	boylea	01/14/22 14:38
Chrysene	11.06	Assign Peak	boylea	01/14/22 14:38
Bis(2-ethylhexyl) phthalate	11.89	Assign Peak	boylea	01/14/22 14:38
Benzo[b]fluoranthene	12.48	Assign Peak	boylea	01/14/22 14:38
Benzo[k]fluoranthene	12.52	Assign Peak	boylea	01/14/22 14:38
Benzo[a]pyrene	12.99	Assign Peak	boylea	01/14/22 14:39
Indeno[1,2,3-cd]pyrene	14.96	Assign Peak	boylea	01/14/22 14:39
Dibenz(a,h)anthracene	15.01	Assign Peak	boylea	01/14/22 14:39
Benzo[g,h,i]perylene	15.44	Assign Peak	boylea	01/14/22 14:39

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 378263

Lab Sample ID: ICV 580-378263/18 Client Sample ID:

Date Analyzed: 01/14/22 05:42 Lab File ID: SIM011322b028.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Benzo[a]anthracene	11.01	Incomplete Integration	boylea	01/14/22 15:39
Bis(2-ethylhexyl) phthalate	11.90	Incomplete Integration	boylea	01/14/22 15:39
Benzo[b]fluoranthene	12.47	Incomplete Integration	boylea	01/14/22 15:39

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 383161

Lab Sample ID: CCVIS 580-383161/3 Client Sample ID:

Date Analyzed: 03/08/22 11:50 Lab File ID: SIM030822a006.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	6.19	Baseline	limmere	03/08/22 12:26
Bis(2-ethylhexyl) phthalate	11.90	Baseline	limmere	03/08/22 12:26
Benzo[k]fluoranthene	12.54	Baseline	limmere	03/08/22 12:26
Indeno[1,2,3-cd]pyrene	14.98	Baseline	limmere	03/08/22 12:27
Dibenz(a,h)anthracene	15.03	Baseline	limmere	03/08/22 12:27

Lab Sample ID: MB 580-383033/1-A Client Sample ID:

Date Analyzed: 03/08/22 12:09 Lab File ID: SIM030822a007.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-methylnaphthalene-d10	5.81	Baseline	limmere	03/08/22 15:07

Lab Sample ID: LCS 580-383033/2-A Client Sample ID:

Date Analyzed: 03/08/22 12:28 Lab File ID: SIM030822a008.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Indeno[1,2,3-cd]pyrene	14.96	Baseline	limmere	03/08/22 15:08
Dibenz(a,h)anthracene	15.01	Baseline	limmere	03/08/22 15:08

Lab Sample ID: LCSD 580-383033/3-A Client Sample ID:

Date Analyzed: 03/08/22 12:48 Lab File ID: SIM030822a009.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-methylnaphthalene-d10	5.81	Baseline	limmere	03/08/22 15:08
Indeno[1,2,3-cd]pyrene	14.96	Baseline	limmere	03/08/22 15:09
Dibenz(a,h)anthracene	15.01	Baseline	limmere	03/08/22 15:08

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 383161

Lab Sample ID: 580-110975-1 Client Sample ID: ERH2673 (RHMW07)

Date Analyzed: 03/08/22 13:26 Lab File ID: SIM030822a011.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Peak assignment corrected	jantanuc	03/09/22 11:00
2-Methylnaphthalene	5.84	Baseline	jantanuc	03/09/22 11:00
1-Methylnaphthalene	5.94	Baseline	jantanuc	03/09/22 11:00
Acenaphthylene	6.72	Baseline	jantanuc	03/09/22 11:01
Acenaphthene	6.88	Baseline	jantanuc	03/09/22 11:01
Fluorene	7.39	Baseline	jantanuc	03/09/22 11:01
Phenanthrene	8.34	Baseline	jantanuc	03/09/22 11:01
Anthracene	8.39	Baseline	jantanuc	03/09/22 11:01
Fluoranthene	9.52	Baseline	jantanuc	03/09/22 11:01
Pyrene	9.75	Baseline	jantanuc	03/09/22 11:01
Benzo[a]anthracene	11.02	Baseline	jantanuc	03/09/22 11:01
Chrysene	11.06	Baseline	jantanuc	03/09/22 11:02
Benzo[b]fluoranthene	12.48	Baseline	jantanuc	03/09/22 11:02
Benzo[k]fluoranthene	12.53	Baseline	jantanuc	03/09/22 11:02
Benzo[a]pyrene	13.00	Baseline	jantanuc	03/09/22 11:02
Indeno[1,2,3-cd]pyrene	14.97	Baseline	jantanuc	03/09/22 11:02
Dibenz(a,h)anthracene	15.01	Baseline	jantanuc	03/09/22 11:02
Benzo[g,h,i]perylene	15.47	Baseline	jantanuc	03/09/22 11:02

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 383161

Lab Sample ID: 580-110975-2 Client Sample ID: ERH2648 (RHMW08)

Date Analyzed: 03/08/22 13:45 Lab File ID: SIM030822a012.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Baseline	jantanuc	03/09/22 11:03
2-Methylnaphthalene	5.84	Baseline	jantanuc	03/09/22 11:03
1-Methylnaphthalene	5.94	Baseline	jantanuc	03/09/22 11:04
Acenaphthene	6.88	Baseline	jantanuc	03/09/22 11:04
Phenanthrene	8.35	Baseline	jantanuc	03/09/22 11:04
Benzo[a]anthracene	11.04	Baseline	jantanuc	03/09/22 11:04
Chrysene	11.07	Baseline	jantanuc	03/09/22 11:04

Lab Sample ID: 580-110975-3 Client Sample ID: ERH2649 (OWDFMW07A)

Date Analyzed: 03/08/22 14:04 Lab File ID: SIM030822a013.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	jantanuc	03/09/22 11:05
2-Methylnaphthalene	5.84	Assign Peak	jantanuc	03/09/22 11:05
1-Methylnaphthalene	5.94	Assign Peak	jantanuc	03/09/22 11:05

Lab Sample ID: 580-110975-4 Client Sample ID: ERH2650 (OWDFMW08A)

Date Analyzed: 03/08/22 14:23 Lab File ID: SIM030822a014.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Baseline	jantanuc	03/09/22 11:06
2-Methylnaphthalene	5.84	Baseline	jantanuc	03/09/22 11:06
1-Methylnaphthalene	5.94	Baseline	jantanuc	03/09/22 11:06

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 383161

Lab Sample ID: 580-110975-5 Client Sample ID: ERH2651 (OWDFMW08A FD)

Date Analyzed: 03/08/22 14:43 Lab File ID: SIM030822a015.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	jantanuc	03/09/22 11:50
2-Methylnaphthalene	5.84	Assign Peak	jantanuc	03/09/22 11:50
1-Methylnaphthalene	5.94	Assign Peak	jantanuc	03/09/22 11:50
Pyrene	9.75	Assign Peak	jantanuc	03/09/22 11:51

Lab Sample ID: 580-110975-6 Client Sample ID: ERH2652 (RHMW14-3)

Date Analyzed: 03/08/22 15:02 Lab File ID: SIM030822a016.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Baseline	jantanuc	03/09/22 11:54
2-Methylnaphthalene	5.84	Baseline	jantanuc	03/09/22 11:54
1-Methylnaphthalene	5.94	Baseline	jantanuc	03/09/22 11:55

Lab Sample ID: 580-110975-7 Client Sample ID: ERH2653 (RHMW16)

Date Analyzed: 03/08/22 15:21 Lab File ID: SIM030822a017.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	jantanuc	03/09/22 11:56
2-Methylnaphthalene	5.84	Assign Peak	jantanuc	03/09/22 11:56
1-Methylnaphthalene	5.94	Assign Peak	jantanuc	03/09/22 11:56

GC/MS SEMI VOA MANUAL INTEGRATION SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Analysis Batch Number: 383161

Lab Sample ID: 580-110975-8 Client Sample ID: ERH2654 (RHMW12A)

Date Analyzed: 03/08/22 15:40 Lab File ID: SIM030822a018.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	jantanuc	03/09/22 11:57
2-Methylnaphthalene	5.84	Assign Peak	jantanuc	03/09/22 11:58
1-Methylnaphthalene	5.94	Assign Peak	jantanuc	03/09/22 11:58

Lab Sample ID: 580-110975-9 Client Sample ID: ERH2655 (RHMW04)

Date Analyzed: 03/08/22 15:59 Lab File ID: SIM030822a019.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
Naphthalene	5.19	Assign Peak	jantanuc	03/09/22 11:59
2-Methylnaphthalene	5.84	Assign Peak	jantanuc	03/09/22 11:59
1-Methylnaphthalene	5.94	Assign Peak	jantanuc	03/09/22 11:59
Phenanthrene-d10	8.33	Assign Peak	jantanuc	03/09/22 11:58

Lab Sample ID: CCVC 580-383161/52 Client Sample ID:

Date Analyzed: 03/08/22 16:57 Lab File ID: SIM030822a022.D GC Column: ZB-SV ID: 0.25(mm)

COMPOUND NAME	RETENTION TIME	MANUAL INTEGRATION		
		REASON	ANALYST	DATE
2-Fluorobiphenyl	6.19	Peak assignment corrected	limmere	03/08/22 17:19
Bis(2-ethylhexyl) phthalate	11.89	Baseline	limmere	03/08/22 17:19
Indeno[1,2,3-cd]pyrene	14.97	Baseline	limmere	03/08/22 17:19
Dibenz(a,h)anthracene	15.02	Baseline	limmere	03/08/22 17:19

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
8270_ic_stk_00062	03/31/22	09/15/21	DCM, Lot DCM CT#211	10 mL	2356TCP_00004	1 mL	2,3,5,6-Tetrachlorophenol	100 ug/mL
					8270Mega_1stk_00016	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzofluoranthene	200 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							m+p-Cresol	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							o-Cresol	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					8270S#10_1stk_00016	1 mL	Benzoic acid	200 ug/mL
					8270S#11_1stk_00011	500 uL	Atrazine	100 ug/mL
					8270S#9_1stk_00015	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
.2356TCP_00004	03/10/24	SPEX CertiPrep, Lot AA210304019			(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
.8270Mega_1stk_00016	03/31/22	Restek, Lot A0164427			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzofluoranthene	2000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
.8270S#10_1stk_00016	03/31/22		Restek, Lot A0164214		(Purchased Reagent)		Benzoic acid	2000 ug/mL
.8270S#11_1stk_00011	03/31/22		Restek, Lot A0164387		(Purchased Reagent)		Atrazine	2000 ug/mL
.8270S#9_1stk_00015	07/31/22		Restek, Lot A0167791		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
.8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
8270ccv1_50_00039	03/31/22	11/09/21	DCM, Lot 266183	10 mL	8270_ic_stk_00062	5 uL	2,3,5,6-Tetrachlorophenol	50 ug/L
							1,1'-Biphenyl	50 ug/L
							1,2,4,5-Tetrachlorobenzene	50 ug/L
							1,2,4-Trichlorobenzene	50 ug/L
							1,2-Dichlorobenzene	50 ug/L
							1,3-Dichlorobenzene	50 ug/L
							1,3-Dinitrobenzene	50 ug/L
							1,4-Dichlorobenzene	50 ug/L

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1-Methylnaphthalene	50 ug/L
							2,3,4,6-Tetrachlorophenol	50 ug/L
							2,4,5-Trichlorophenol	50 ug/L
							2,4,6-Trichlorophenol	50 ug/L
							2,4-Dichlorophenol	50 ug/L
							2,4-Dimethylphenol	50 ug/L
							2,4-Dinitrophenol	100 ug/L
							2,4-Dinitrotoluene	50 ug/L
							2,6-Dichlorophenol	50 ug/L
							2,6-Dinitrotoluene	50 ug/L
							2-Chloronaphthalene	50 ug/L
							2-Chlorophenol	50 ug/L
							2-Methylnaphthalene	50 ug/L
							2-Nitroaniline	50 ug/L
							2-Nitrophenol	50 ug/L
							3-Nitroaniline	50 ug/L
							4,6-Dinitro-2-methylphenol	100 ug/L
							4-Bromophenyl phenyl ether	50 ug/L
							4-Chloro-3-methylphenol	50 ug/L
							4-Chloroaniline	50 ug/L
							4-Chlorophenyl phenyl ether	50 ug/L
							4-Nitroaniline	50 ug/L
							4-Nitrophenol	100 ug/L
							Acenaphthene	50 ug/L
							Acenaphthylene	50 ug/L
							Acetophenone	50 ug/L
							Aniline	50 ug/L
							Anthracene	50 ug/L
							Azobenzene	50 ug/L
							Benzo[a]anthracene	50 ug/L
							Benzo[a]pyrene	50 ug/L
							Benzo[b]fluoranthene	50 ug/L
							Benzo[g,h,i]perylene	50 ug/L
							Benzo[k]fluoranthene	50 ug/L
							Benzofluoranthene	100 ug/L
							Benzyl alcohol	50 ug/L
							bis (2-chloroisopropyl) ether	50 ug/L
							Bis(2-chloroethoxy)methane	50 ug/L
							Bis(2-chloroethyl)ether	50 ug/L
							Bis(2-ethylhexyl) phthalate	50 ug/L
							Butyl benzyl phthalate	50 ug/L
							Carbazole	50 ug/L
							Chrysene	50 ug/L
							Di-n-butyl phthalate	50 ug/L
							Di-n-octyl phthalate	50 ug/L
							Dibenz(a,h)anthracene	50 ug/L
							Dibenzofuran	50 ug/L
							Diethyl phthalate	50 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Dimethyl phthalate	50 ug/L
							Fluoranthene	50 ug/L
							Fluorene	50 ug/L
							Hexachlorobenzene	50 ug/L
							Hexachlorobutadiene	50 ug/L
							Hexachlorocyclopentadiene	50 ug/L
							Hexachloroethane	50 ug/L
							Indeno[1,2,3-cd]pyrene	50 ug/L
							Isophorone	50 ug/L
							m+p-Cresol	50 ug/L
							n-Decane	50 ug/L
							N-Nitrosodi-n-propylamine	50 ug/L
							N-Nitrosodimethylamine	50 ug/L
							N-Nitrosodiphenylamine	50 ug/L
							n-Octadecane	50 ug/L
							Naphthalene	50 ug/L
							Nitrobenzene	50 ug/L
							o-Cresol	50 ug/L
							Pentachlorophenol	100 ug/L
							Phenanthrene	50 ug/L
							Phenol	50 ug/L
							Pyrene	50 ug/L
							Pyridine	100 ug/L
							Benzoic acid	100 ug/L
							Atrazine	50 ug/L
							3,3'-Dichlorobenzidine	100 ug/L
							Benzidine	100 ug/L
							2,4,6-Tribromophenol (Surr)	50 ug/L
							2-Fluorobiphenyl	50 ug/L
							2-Fluorophenol (Surr)	50 ug/L
							2-methylnaphthalene-d10	50 ug/L
							Fluoranthene-d10 (Surr)	50 ug/L
							Nitrobenzene-d5 (Surr)	50 ug/L
							Phenol-d5 (Surr)	50 ug/L
							Terphenyl-d14	50 ug/L
					8270SIM_IS_00067	100 uL	1,4-Dichlorobenzene-d4	100 ug/L
							Acenaphthene-d10	100 ug/L
							Chrysene-d12	100 ug/L
							Naphthalene-d8	100 ug/L
							Perylene-d12	100 ug/L
							Phenanthrene-d10	100 ug/L
.8270_ic_stk_00062	03/31/22	09/15/21	DCM, Lot DCM CT#211	10 mL	2356TCP_00004	1 mL	2,3,5,6-Tetrachlorophenol	100 ug/mL
					8270Mega_1stk_00016	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzofluoranthene	200 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							m+p-Cresol	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							o-Cresol	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					8270S#10_1stk_00016	1 mL	Benzoic acid	200 ug/mL
					8270S#11_1stk_00011	500 uL	Atrazine	100 ug/mL
					8270S#9_1stk_00015	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
..2356TCP_00004	03/10/24	SPEX CertiPrep, Lot AA210304019			(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
..8270Mega_1stk_00016	03/31/22	Restek, Lot A0164427			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzofluoranthene	2000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..8270S#10_1stk_00016	03/31/22		Restek, Lot A0164214		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..8270S#11_1stk_00011	03/31/22		Restek, Lot A0164387		(Purchased Reagent)		Atrazine	2000 ug/mL
..8270S#9_1stk_00015	07/31/22		Restek, Lot A0167791		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SIM_IS_00067	06/07/22	06/07/21	DCM, Lot CT#211	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
..8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
8270flspk_00296	11/30/22	03/04/22	Acetone/DCM, Lot 236884/MeCl_CT201	50 mL	2356TCP_00005	1 mL	2,3,5,6-Tetrachlorophenol	20 ug/mL
					8270Mega_1stk_00018	1 mL	1,1'-Biphenyl	20 ug/mL
							1,2,4,5-Tetrachlorobenzene	20 ug/mL
							1,2,4-Trichlorobenzene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,2-Dichlorobenzene	20 ug/mL
							1,3-Dichlorobenzene	20 ug/mL
							1,3-Dinitrobenzene	20 ug/mL
							1,4-Dichlorobenzene	20 ug/mL
							1,4-Dioxane	20 ug/mL
							1-Methylnaphthalene	20 ug/mL
							2,3,4,6-Tetrachlorophenol	20 ug/mL
							2,4,5-Trichlorophenol	20 ug/mL
							2,4,6-Trichlorophenol	20 ug/mL
							2,4-Dichlorophenol	20 ug/mL
							2,4-Dimethylphenol	20 ug/mL
							2,4-Dinitrophenol	40 ug/mL
							2,4-Dinitrotoluene	20 ug/mL
							2,6-Dichlorophenol	20 ug/mL
							2,6-Dinitrotoluene	20 ug/mL
							2-Chloronaphthalene	20 ug/mL
							2-Chlorophenol	20 ug/mL
							2-Methylnaphthalene	20 ug/mL
							2-Nitroaniline	20 ug/mL
							2-Nitrophenol	20 ug/mL
							3-Nitroaniline	20 ug/mL
							4,6-Dinitro-2-methylphenol	40 ug/mL
							4-Bromophenyl phenyl ether	20 ug/mL
							4-Chloro-3-methylphenol	20 ug/mL
							4-Chloroaniline	20 ug/mL
							4-Chlorophenyl phenyl ether	20 ug/mL
							4-Nitroaniline	20 ug/mL
							4-Nitrophenol	40 ug/mL
							Acenaphthene	20 ug/mL
							Acenaphthylene	20 ug/mL
							Acetophenone	20 ug/mL
							Aniline	20 ug/mL
							Anthracene	20 ug/mL
							Azobenzene	20 ug/mL
							Benzo[a]anthracene	20 ug/mL
							Benzo[a]pyrene	20 ug/mL
							Benzo[b]fluoranthene	20 ug/mL
							Benzo[g,h,i]perylene	20 ug/mL
							Benzo[k]fluoranthene	20 ug/mL
							Benzofluoranthene	40 ug/mL
							Benzyl alcohol	20 ug/mL
							bis (2-chloroisopropyl) ether	20 ug/mL
							Bis(2-chloroethoxy)methane	20 ug/mL
							Bis(2-chloroethyl)ether	20 ug/mL
							Bis(2-ethylhexyl) phthalate	20 ug/mL
							Butyl benzyl phthalate	20 ug/mL
							Carbazole	20 ug/mL
							Chrysene	20 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Di-n-butyl phthalate	20 ug/mL
							Di-n-octyl phthalate	20 ug/mL
							Dibenz(a,h)anthracene	20 ug/mL
							Dibenzofuran	20 ug/mL
							Diethyl phthalate	20 ug/mL
							Dimethyl phthalate	20 ug/mL
							Diphenylamine	17 ug/mL
							Fluoranthene	20 ug/mL
							Fluorene	20 ug/mL
							Hexachlorobenzene	20 ug/mL
							Hexachlorobutadiene	20 ug/mL
							Hexachlorocyclopentadiene	20 ug/mL
							Hexachloroethane	20 ug/mL
							Hexadecane	20 ug/mL
							Indeno[1,2,3-cd]pyrene	20 ug/mL
							Isophorone	20 ug/mL
							m+p-Cresol	20 ug/mL
							n-Decane	20 ug/mL
							N-Nitrosodi-n-propylamine	20 ug/mL
							N-Nitrosodimethylamine	20 ug/mL
							N-Nitrosodiphenylamine	20 ug/mL
							n-Octadecane	20 ug/mL
							Naphthalene	20 ug/mL
							Nitrobenzene	20 ug/mL
							o-Cresol	20 ug/mL
							Pentachlorophenol	40 ug/mL
							Phenanthrene	20 ug/mL
							Phenol	20 ug/mL
							Pyrene	20 ug/mL
							Pyridine	40 ug/mL
					8270S#10_1stk_00018	1 mL	Benzoic acid	40 ug/mL
							Indene	40 ug/mL
					8270S#11_1stk_00013	1 mL	Atrazine	40 ug/mL
							Benzaldehyde	40 ug/mL
							Caprolactam	40 ug/mL
					8270S#9_1stk_00017	1 mL	3,3'-Dichlorobenzidine	40 ug/mL
							Benzidine	40 ug/mL
.2356TCP_00005	11/01/24	SPEX CertiPrep, Lot AA210304019			(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
.8270Mega_1stk_00018	02/28/23	Restek, Lot A0175066			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1,4-Dioxane	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzofluoranthene	2000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Diphenylamine	850 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Hexadecane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
.8270S#10_1stk_00018	12/31/22		Restek, Lot A0173787		(Purchased Reagent)		Benzoic acid	2000 ug/mL
							Indene	2000 ug/mL
.8270S#11_1stk_00013	11/30/22		Restek, Lot A0172244		(Purchased Reagent)		Atrazine	2000 ug/mL
							Benzaldehyde	2000 ug/mL
							Caprolactam	2000 ug/mL
.8270S#9_1stk_00017	02/28/23		Restek, Lot A0175898		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
8270SIM_IS_00069	08/24/22	09/25/21	DCM, Lot CT#215	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
.8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
8270waterSurr_00118	12/29/22	02/24/22	Acetone/DCM, Lot 285502/CT#235	50 mL	8270Surr_Phen_00015	10 mL	1,4-Dioxane-d8	100 ug/mL
							2,4,6-Tribromophenol (Surr)	20 ug/mL
							2-Fluorobiphenyl	20 ug/mL
							2-Fluorophenol (Surr)	20 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-methylnaphthalene-d10	20 ug/mL
							Fluoranthene-d10 (Surr)	20 ug/mL
							Nitrobenzene-d5 (Surr)	20 ug/mL
							Phenol-d5 (Surr)	20 ug/mL
							Terphenyl-d14	20 ug/mL
.8270Surr_Phen_00015	01/31/26		Phenova, Lot CL16338		(Purchased Reagent)		1,4-Dioxane-d8	500 ug/mL
							2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
ccv_8270_1000_00057	03/31/22	09/15/21	DCM, Lot MeCl2_CT_00211	10 mL	8270_ic_stk_00062	100 uL	2,3,5,6-Tetrachlorophenol	1000 ug/L
							1,1'-Biphenyl	1000 ug/L
							1,2,4,5-Tetrachlorobenzene	1000 ug/L
							1,2,4-Trichlorobenzene	1000 ug/L
							1,2-Dichlorobenzene	1000 ug/L
							1,3-Dichlorobenzene	1000 ug/L
							1,3-Dinitrobenzene	1000 ug/L
							1,4-Dichlorobenzene	1000 ug/L
							1-Methylnaphthalene	1000 ug/L
							2,3,4,6-Tetrachlorophenol	1000 ug/L
							2,4,5-Trichlorophenol	1000 ug/L
							2,4,6-Trichlorophenol	1000 ug/L
							2,4-Dichlorophenol	1000 ug/L
							2,4-Dimethylphenol	1000 ug/L
							2,4-Dinitrophenol	2000 ug/L
							2,4-Dinitrotoluene	1000 ug/L
							2,6-Dichlorophenol	1000 ug/L
							2,6-Dinitrotoluene	1000 ug/L
							2-Chloronaphthalene	1000 ug/L
							2-Chlorophenol	1000 ug/L
							2-Methylnaphthalene	1000 ug/L
							2-Nitroaniline	1000 ug/L
							2-Nitrophenol	1000 ug/L
							3-Nitroaniline	1000 ug/L
							4,6-Dinitro-2-methylphenol	2000 ug/L
							4-Bromophenyl phenyl ether	1000 ug/L
							4-Chloro-3-methylphenol	1000 ug/L
							4-Chloroaniline	1000 ug/L
							4-Chlorophenyl phenyl ether	1000 ug/L
							4-Nitroaniline	1000 ug/L
							4-Nitrophenol	2000 ug/L
							Acenaphthene	1000 ug/L
							Acenaphthylene	1000 ug/L

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acetophenone	1000 ug/L
							Aniline	1000 ug/L
							Anthracene	1000 ug/L
							Azobenzene	1000 ug/L
							Benzo[a]anthracene	1000 ug/L
							Benzo[a]pyrene	1000 ug/L
							Benzo[b]fluoranthene	1000 ug/L
							Benzo[g,h,i]perylene	1000 ug/L
							Benzo[k]fluoranthene	1000 ug/L
							Benzofluoranthene	2000 ug/L
							Benzyl alcohol	1000 ug/L
							bis (2-chloroisopropyl) ether	1000 ug/L
							Bis(2-chloroethoxy)methane	1000 ug/L
							Bis(2-chloroethyl)ether	1000 ug/L
							Bis(2-ethylhexyl) phthalate	1000 ug/L
							Butyl benzyl phthalate	1000 ug/L
							Carbazole	1000 ug/L
							Chrysene	1000 ug/L
							Di-n-butyl phthalate	1000 ug/L
							Di-n-octyl phthalate	1000 ug/L
							Dibenz(a,h)anthracene	1000 ug/L
							Dibenzofuran	1000 ug/L
							Diethyl phthalate	1000 ug/L
							Dimethyl phthalate	1000 ug/L
							Fluoranthene	1000 ug/L
							Fluorene	1000 ug/L
							Hexachlorobenzene	1000 ug/L
							Hexachlorobutadiene	1000 ug/L
							Hexachlorocyclopentadiene	1000 ug/L
							Hexachloroethane	1000 ug/L
							Indeno[1,2,3-cd]pyrene	1000 ug/L
							Isophorone	1000 ug/L
							m+p-Cresol	1000 ug/L
							n-Decane	1000 ug/L
							N-Nitrosodi-n-propylamine	1000 ug/L
							N-Nitrosodimethylamine	1000 ug/L
							N-Nitrosodiphenylamine	1000 ug/L
							n-Octadecane	1000 ug/L
							Naphthalene	1000 ug/L
							Nitrobenzene	1000 ug/L
							o-Cresol	1000 ug/L
							Pentachlorophenol	2000 ug/L
							Phenanthrene	1000 ug/L
							Phenol	1000 ug/L
							Pyrene	1000 ug/L
							Pyridine	2000 ug/L
							Benzoic acid	2000 ug/L
							Atrazine	1000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							3,3'-Dichlorobenzidine	2000 ug/L
							Benzidine	2000 ug/L
							2,4,6-Tribromophenol (Surr)	1000 ug/L
							2-Fluorobiphenyl	1000 ug/L
							2-Fluorophenol (Surr)	1000 ug/L
							2-methylnaphthalene-d10	1000 ug/L
							Fluoranthene-d10 (Surr)	1000 ug/L
							Nitrobenzene-d5 (Surr)	1000 ug/L
							Phenol-d5 (Surr)	1000 ug/L
							Terphenyl-d14	1000 ug/L
					8270SIM_IS_00068	100 uL	1,4-Dichlorobenzene-d4	100 ug/L
							Acenaphthene-d10	100 ug/L
							Chrysene-d12	100 ug/L
							Naphthalene-d8	100 ug/L
							Perylene-d12	100 ug/L
							Phenanthrene-d10	100 ug/L
.8270_ic_stk_00062	03/31/22	09/15/21	DCM, Lot DCM CT#211	10 mL	2356TCP_00004	1 mL	2,3,5,6-Tetrachlorophenol	100 ug/mL
					8270Mega_1stk_00016	1 mL	1,1'-Biphenyl	100 ug/mL
							1,2,4,5-Tetrachlorobenzene	100 ug/mL
							1,2,4-Trichlorobenzene	100 ug/mL
							1,2-Dichlorobenzene	100 ug/mL
							1,3-Dichlorobenzene	100 ug/mL
							1,3-Dinitrobenzene	100 ug/mL
							1,4-Dichlorobenzene	100 ug/mL
							1-Methylnaphthalene	100 ug/mL
							2,3,4,6-Tetrachlorophenol	100 ug/mL
							2,4,5-Trichlorophenol	100 ug/mL
							2,4,6-Trichlorophenol	100 ug/mL
							2,4-Dichlorophenol	100 ug/mL
							2,4-Dimethylphenol	100 ug/mL
							2,4-Dinitrophenol	200 ug/mL
							2,4-Dinitrotoluene	100 ug/mL
							2,6-Dichlorophenol	100 ug/mL
							2,6-Dinitrotoluene	100 ug/mL
							2-Chloronaphthalene	100 ug/mL
							2-Chlorophenol	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							2-Nitroaniline	100 ug/mL
							2-Nitrophenol	100 ug/mL
							3-Nitroaniline	100 ug/mL
							4,6-Dinitro-2-methylphenol	200 ug/mL
							4-Bromophenyl phenyl ether	100 ug/mL
							4-Chloro-3-methylphenol	100 ug/mL
							4-Chloroaniline	100 ug/mL
							4-Chlorophenyl phenyl ether	100 ug/mL
							4-Nitroaniline	100 ug/mL
							4-Nitrophenol	200 ug/mL
							Acenaphthene	100 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Acenaphthylene	100 ug/mL
							Acetophenone	100 ug/mL
							Aniline	100 ug/mL
							Anthracene	100 ug/mL
							Azobenzene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Benzofluoranthene	200 ug/mL
							Benzyl alcohol	100 ug/mL
							bis (2-chloroisopropyl) ether	100 ug/mL
							Bis(2-chloroethoxy)methane	100 ug/mL
							Bis(2-chloroethyl)ether	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Butyl benzyl phthalate	100 ug/mL
							Carbazole	100 ug/mL
							Chrysene	100 ug/mL
							Di-n-butyl phthalate	100 ug/mL
							Di-n-octyl phthalate	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Dibenzofuran	100 ug/mL
							Diethyl phthalate	100 ug/mL
							Dimethyl phthalate	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Hexachlorobenzene	100 ug/mL
							Hexachlorobutadiene	100 ug/mL
							Hexachlorocyclopentadiene	100 ug/mL
							Hexachloroethane	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Isophorone	100 ug/mL
							m+p-Cresol	100 ug/mL
							n-Decane	100 ug/mL
							N-Nitrosodi-n-propylamine	100 ug/mL
							N-Nitrosodimethylamine	100 ug/mL
							N-Nitrosodiphenylamine	100 ug/mL
							n-Octadecane	100 ug/mL
							Naphthalene	100 ug/mL
							Nitrobenzene	100 ug/mL
							o-Cresol	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Phenol	100 ug/mL
							Pyrene	100 ug/mL
							Pyridine	200 ug/mL
					8270S#10_1stk_00016	1 mL	Benzoic acid	200 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
					8270S#11_1stk_00011	500 uL	Atrazine	100 ug/mL
					8270S#9_1stk_00015	1 mL	3,3'-Dichlorobenzidine	200 ug/mL
							Benzidine	200 ug/mL
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-Fluorophenol (Surr)	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Nitrobenzene-d5 (Surr)	100 ug/mL
							Phenol-d5 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
..2356TCP_00004	03/10/24	SPEX CertiPrep, Lot AA210304019			(Purchased Reagent)		2,3,5,6-Tetrachlorophenol	1000 ug/mL
..8270Mega_1stk_00016	03/31/22	Restek, Lot A0164427			(Purchased Reagent)		1,1'-Biphenyl	1000 ug/mL
							1,2,4,5-Tetrachlorobenzene	1000 ug/mL
							1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,3-Dinitrobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,3,4,6-Tetrachlorophenol	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dichlorophenol	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitroaniline	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							3-Nitroaniline	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chloroaniline	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitroaniline	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Acetophenone	1000 ug/mL
							Aniline	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Benzofluoranthene	2000 ug/mL
							Benzyl alcohol	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Carbazole	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Dibenzofuran	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							n-Decane	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							n-Octadecane	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..8270S#10_1stk_00016	03/31/22		Restek, Lot A0164214		(Purchased Reagent)		Benzoic acid	2000 ug/mL
..8270S#11_1stk_00011	03/31/22		Restek, Lot A0164387		(Purchased Reagent)		Atrazine	2000 ug/mL
..8270S#9_1stk_00015	07/31/22		Restek, Lot A0167791		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
							Benzidine	2000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-Fluorophenol (Surr)	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SIM_IS_00068	08/24/22	08/24/21	DCM, Lot CT#215	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
..8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
ccv_SIM_500_00086	03/31/22	11/09/21	DCM, Lot MeCl2_CT_00211	10 mL	8270_ic_stk_00062	50 uL	1-Methylnaphthalene	500 ug/L
							2-Methylnaphthalene	500 ug/L
							Acenaphthene	500 ug/L
							Acenaphthylene	500 ug/L
							Anthracene	500 ug/L
							Benzo[a]anthracene	500 ug/L
							Benzo[a]pyrene	500 ug/L
							Benzo[b]fluoranthene	500 ug/L
							Benzo[g,h,i]perylene	500 ug/L
							Benzo[k]fluoranthene	500 ug/L
							Bis(2-ethylhexyl) phthalate	500 ug/L
							Chrysene	500 ug/L
							Dibenz(a,h)anthracene	500 ug/L
							Fluoranthene	500 ug/L
							Fluorene	500 ug/L
							Indeno[1,2,3-cd]pyrene	500 ug/L
							Naphthalene	500 ug/L
							Pentachlorophenol	1000 ug/L
							Phenanthrene	500 ug/L
							Pyrene	500 ug/L
							2,4,6-Tribromophenol (Surr)	500 ug/L
							2-Fluorobiphenyl	500 ug/L
							2-methylnaphthalene-d10	500 ug/L
							Fluoranthene-d10 (Surr)	500 ug/L
							Terphenyl-d14	500 ug/L
					8270SIM_IS_00069	100 uL	Acenaphthene-d10	100 ug/L
							Chrysene-d12	100 ug/L
							Naphthalene-d8	100 ug/L
							Perylene-d12	100 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Phenanthrene-d10	100 ug/L
.8270_ic_stk_00062	03/31/22	09/15/21	DCM, Lot DCM CT#211	10 mL	8270Mega_1stk_00016	1 mL	1-Methylnaphthalene	100 ug/mL
							2-Methylnaphthalene	100 ug/mL
							Acenaphthene	100 ug/mL
							Acenaphthylene	100 ug/mL
							Anthracene	100 ug/mL
							Benzo[a]anthracene	100 ug/mL
							Benzo[a]pyrene	100 ug/mL
							Benzo[b]fluoranthene	100 ug/mL
							Benzo[g,h,i]perylene	100 ug/mL
							Benzo[k]fluoranthene	100 ug/mL
							Bis(2-ethylhexyl) phthalate	100 ug/mL
							Chrysene	100 ug/mL
							Dibenz(a,h)anthracene	100 ug/mL
							Fluoranthene	100 ug/mL
							Fluorene	100 ug/mL
							Indeno[1,2,3-cd]pyrene	100 ug/mL
							Naphthalene	100 ug/mL
							Pentachlorophenol	200 ug/mL
							Phenanthrene	100 ug/mL
							Pyrene	100 ug/mL
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100 ug/mL
							2-Fluorobiphenyl	100 ug/mL
							2-methylnaphthalene-d10	100 ug/mL
							Fluoranthene-d10 (Surr)	100 ug/mL
							Terphenyl-d14	100 ug/mL
..8270Mega_1stk_00016	03/31/22		Restek, Lot A0164427		(Purchased Reagent)		1-Methylnaphthalene	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Naphthalene	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Pyrene	1000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL
.8270SIM_IS_00069	08/24/22	09/25/21	DCM, Lot CT#215	50 mL	8270ISstk_00007	250 uL	Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
..8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
DFTPPx2_00044							4,4'-DDD	
							4,4'-DDE	
							Tentatively Identified Compound	
							TPAH	
					DFTPPSTK_00014	200 uL	4,4'-DDT	20 ug/mL
							Benzidine_T	20 ug/mL
							DFTPP	20 ug/mL
							Pentachlorophenol_T	20 ug/mL
.DFTPPSTK_00014	08/31/22		Restek, Lot A0151587		(Purchased Reagent)		4,4'-DDT	1000 ug/mL
							Benzidine_T	1000 ug/mL
							DFTPP	1000 ug/mL
							Pentachlorophenol_T	1000 ug/mL
icv_8270_1000_00014	01/26/22	10/05/21	DCM, Lot CT_211	10 mL	8270SIM_IS_00067	100 uL	1,4-Dichlorobenzene-d4	100 ug/L
							Acenaphthene-d10	100 ug/L
							Chrysene-d12	100 ug/L
							Naphthalene-d8	100 ug/L
							Perylene-d12	100 ug/L
							Phenanthrene-d10	100 ug/L
.8270SIM_IS_00067	06/07/22	06/07/21	DCM, Lot CT#211	50 mL	8270ISstk_00007	250 uL	1,4-Dichlorobenzene-d4	10 ug/mL
							Acenaphthene-d10	10 ug/mL
							Chrysene-d12	10 ug/mL
							Naphthalene-d8	10 ug/mL
							Perylene-d12	10 ug/mL
							Phenanthrene-d10	10 ug/mL
..8270ISstk_00007	09/30/24		Restek, Lot A0153348		(Purchased Reagent)		1,4-Dichlorobenzene-d4	2000 ug/mL
							Acenaphthene-d10	2000 ug/mL
							Chrysene-d12	2000 ug/mL
							Naphthalene-d8	2000 ug/mL
							Perylene-d12	2000 ug/mL
							Phenanthrene-d10	2000 ug/mL
icv_8270_1000_00014	01/26/22	10/05/21	DCM, Lot CT_211	10 mL	8270_IC_STK_00065	100 uL	1,2,4-Trichlorobenzene	1000 ug/L
							1,2-Dichlorobenzene	1000 ug/L
							1,3-Dichlorobenzene	1000 ug/L

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							1,4-Dichlorobenzene	1000 ug/L
							1-Methylnaphthalene	1000 ug/L
							2,4,5-Trichlorophenol	1000 ug/L
							2,4,6-Trichlorophenol	1000 ug/L
							2,4-Dichlorophenol	1000 ug/L
							2,4-Dimethylphenol	1000 ug/L
							2,4-Dinitrophenol	2000 ug/L
							2,4-Dinitrotoluene	1000 ug/L
							2,6-Dinitrotoluene	1000 ug/L
							2-Chloronaphthalene	1000 ug/L
							2-Chlorophenol	1000 ug/L
							2-Methylnaphthalene	1000 ug/L
							2-Nitrophenol	1000 ug/L
							4,6-Dinitro-2-methylphenol	2000 ug/L
							4-Bromophenyl phenyl ether	1000 ug/L
							4-Chloro-3-methylphenol	1000 ug/L
							4-Chlorophenyl phenyl ether	1000 ug/L
							4-Nitrophenol	2000 ug/L
							Acenaphthene	1000 ug/L
							Acenaphthylene	1000 ug/L
							Anthracene	1000 ug/L
							Azobenzene	1000 ug/L
							Benzo[a]anthracene	1000 ug/L
							Benzo[a]pyrene	1000 ug/L
							Benzo[b]fluoranthene	1000 ug/L
							Benzo[g,h,i]perylene	1000 ug/L
							Benzo[k]fluoranthene	1000 ug/L
							bis (2-chloroisopropyl) ether	1000 ug/L
							Bis(2-chloroethoxy)methane	1000 ug/L
							Bis(2-chloroethyl)ether	1000 ug/L
							Bis(2-ethylhexyl) phthalate	1000 ug/L
							Butyl benzyl phthalate	1000 ug/L
							Chrysene	1000 ug/L
							Di-n-butyl phthalate	1000 ug/L
							Di-n-octyl phthalate	1000 ug/L
							Dibenz(a,h)anthracene	1000 ug/L
							Diethyl phthalate	1000 ug/L
							Dimethyl phthalate	1000 ug/L
							Fluoranthene	1000 ug/L
							Fluorene	1000 ug/L
							Hexachlorobenzene	1000 ug/L
							Hexachlorobutadiene	1000 ug/L
							Hexachlorocyclopentadiene	1000 ug/L
							Hexachloroethane	1000 ug/L
							Indeno[1,2,3-cd]pyrene	1000 ug/L
							Isophorone	1000 ug/L
							m+p-Cresol	1000 ug/L
							N-Nitrosodi-n-propylamine	1000 ug/L

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							N-Nitrosodimethylamine	1000 ug/L
							N-Nitrosodiphenylamine	1000 ug/L
							Naphthalene	1000 ug/L
							Nitrobenzene	1000 ug/L
							o-Cresol	1000 ug/L
							Pentachlorophenol	2000 ug/L
							Phenanthrene	1000 ug/L
							Phenol	1000 ug/L
							Pyrene	1000 ug/L
							Pyridine	2000 ug/L
							3,3'-Dichlorobenzidine	2000 ug/L
							2,4,6-Tribromophenol (Surr)	1000 ug/L
							2-Fluorobiphenyl	1000 ug/L
							2-Fluorophenol (Surr)	1000 ug/L
							2-methylnaphthalene-d10	1000 ug/L
							Fluoranthene-d10 (Surr)	1000 ug/L
							Nitrobenzene-d5 (Surr)	1000 ug/L
							Phenol-d5 (Surr)	1000 ug/L
							Terphenyl-d14	1000 ug/L
.8270_IC_STK_00065	01/26/22	10/05/21	DCM, Lot CT#211	10 mL	8270L1S1-S_00011	1 mL	1,2,4-Trichlorobenzene	100000 ug/L
							1,2-Dichlorobenzene	100000 ug/L
							1,3-Dichlorobenzene	100000 ug/L
							1,4-Dichlorobenzene	100000 ug/L
							1-Methylnaphthalene	100000 ug/L
							2,4,5-Trichlorophenol	100000 ug/L
							2,4,6-Trichlorophenol	100000 ug/L
							2,4-Dichlorophenol	100000 ug/L
							2,4-Dimethylphenol	100000 ug/L
							2,4-Dinitrophenol	200000 ug/L
							2,4-Dinitrotoluene	100000 ug/L
							2,6-Dinitrotoluene	100000 ug/L
							2-Chloronaphthalene	100000 ug/L
							2-Chlorophenol	100000 ug/L
							2-Methylnaphthalene	100000 ug/L
							2-Nitrophenol	100000 ug/L
							4,6-Dinitro-2-methylphenol	200000 ug/L
							4-Bromophenyl phenyl ether	100000 ug/L
							4-Chloro-3-methylphenol	100000 ug/L
							4-Chlorophenyl phenyl ether	100000 ug/L
							4-Nitrophenol	200000 ug/L
							Acenaphthene	100000 ug/L
							Acenaphthylene	100000 ug/L
							Anthracene	100000 ug/L
							Azobenzene	100000 ug/L
							Benzo[a]anthracene	100000 ug/L
							Benzo[a]pyrene	100000 ug/L
							Benzo[b]fluoranthene	100000 ug/L
							Benzo[g,h,i]perylene	100000 ug/L

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							Benzo[k]fluoranthene	100000 ug/L
							bis (2-chloroisopropyl) ether	100000 ug/L
							Bis(2-chloroethoxy)methane	100000 ug/L
							Bis(2-chloroethyl)ether	100000 ug/L
							Bis(2-ethylhexyl) phthalate	100000 ug/L
							Butyl benzyl phthalate	100000 ug/L
							Chrysene	100000 ug/L
							Di-n-butyl phthalate	100000 ug/L
							Di-n-octyl phthalate	100000 ug/L
							Dibenz(a,h)anthracene	100000 ug/L
							Diethyl phthalate	100000 ug/L
							Dimethyl phthalate	100000 ug/L
							Fluoranthene	100000 ug/L
							Fluorene	100000 ug/L
							Hexachlorobenzene	100000 ug/L
							Hexachlorobutadiene	100000 ug/L
							Hexachlorocyclopentadiene	100000 ug/L
							Hexachloroethane	100000 ug/L
							Indeno[1,2,3-cd]pyrene	100000 ug/L
							Isophorone	100000 ug/L
							m+p-Cresol	100000 ug/L
							N-Nitrosodi-n-propylamine	100000 ug/L
							N-Nitrosodimethylamine	100000 ug/L
							N-Nitrosodiphenylamine	100000 ug/L
							Naphthalene	100000 ug/L
							Nitrobenzene	100000 ug/L
							o-Cresol	100000 ug/L
							Pentachlorophenol	200000 ug/L
							Phenanthrene	100000 ug/L
							Phenol	100000 ug/L
							Pyrene	100000 ug/L
							Pyridine	200000 ug/L
					8270L1S9-S_00012	1 mL	3,3'-Dichlorobenzidine	200000 ug/L
					8270SSstkPhen_00004	0.2 mL	2,4,6-Tribromophenol (Surr)	100000 ug/L
							2-Fluorobiphenyl	100000 ug/L
							2-Fluorophenol (Surr)	100000 ug/L
							2-methylnaphthalene-d10	100000 ug/L
							Fluoranthene-d10 (Surr)	100000 ug/L
							Nitrobenzene-d5 (Surr)	100000 ug/L
							Phenol-d5 (Surr)	100000 ug/L
							Terphenyl-d14	100000 ug/L
..8270L1S1-S_00011	05/28/22		Restek, Lot A0159459		(Purchased Reagent)		1,2,4-Trichlorobenzene	1000 ug/mL
							1,2-Dichlorobenzene	1000 ug/mL
							1,3-Dichlorobenzene	1000 ug/mL
							1,4-Dichlorobenzene	1000 ug/mL
							1-Methylnaphthalene	1000 ug/mL
							2,4,5-Trichlorophenol	1000 ug/mL
							2,4,6-Trichlorophenol	1000 ug/mL

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							2,4-Dichlorophenol	1000 ug/mL
							2,4-Dimethylphenol	1000 ug/mL
							2,4-Dinitrophenol	2000 ug/mL
							2,4-Dinitrotoluene	1000 ug/mL
							2,6-Dinitrotoluene	1000 ug/mL
							2-Chloronaphthalene	1000 ug/mL
							2-Chlorophenol	1000 ug/mL
							2-Methylnaphthalene	1000 ug/mL
							2-Nitrophenol	1000 ug/mL
							4,6-Dinitro-2-methylphenol	2000 ug/mL
							4-Bromophenyl phenyl ether	1000 ug/mL
							4-Chloro-3-methylphenol	1000 ug/mL
							4-Chlorophenyl phenyl ether	1000 ug/mL
							4-Nitrophenol	2000 ug/mL
							Acenaphthene	1000 ug/mL
							Acenaphthylene	1000 ug/mL
							Anthracene	1000 ug/mL
							Azobenzene	1000 ug/mL
							Benzo[a]anthracene	1000 ug/mL
							Benzo[a]pyrene	1000 ug/mL
							Benzo[b]fluoranthene	1000 ug/mL
							Benzo[g,h,i]perylene	1000 ug/mL
							Benzo[k]fluoranthene	1000 ug/mL
							bis (2-chloroisopropyl) ether	1000 ug/mL
							Bis(2-chloroethoxy)methane	1000 ug/mL
							Bis(2-chloroethyl)ether	1000 ug/mL
							Bis(2-ethylhexyl) phthalate	1000 ug/mL
							Butyl benzyl phthalate	1000 ug/mL
							Chrysene	1000 ug/mL
							Di-n-butyl phthalate	1000 ug/mL
							Di-n-octyl phthalate	1000 ug/mL
							Dibenz(a,h)anthracene	1000 ug/mL
							Diethyl phthalate	1000 ug/mL
							Dimethyl phthalate	1000 ug/mL
							Fluoranthene	1000 ug/mL
							Fluorene	1000 ug/mL
							Hexachlorobenzene	1000 ug/mL
							Hexachlorobutadiene	1000 ug/mL
							Hexachlorocyclopentadiene	1000 ug/mL
							Hexachloroethane	1000 ug/mL
							Indeno[1,2,3-cd]pyrene	1000 ug/mL
							Isophorone	1000 ug/mL
							m+p-Cresol	1000 ug/mL
							N-Nitrosodi-n-propylamine	1000 ug/mL
							N-Nitrosodimethylamine	1000 ug/mL
							N-Nitrosodiphenylamine	1000 ug/mL
							Naphthalene	1000 ug/mL
							Nitrobenzene	1000 ug/mL

REAGENT TRACEABILITY SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Reagent ID	Exp Date	Prep Date	Dilutant Used	Reagent Final Volume	Parent Reagent		Analyte	Concentration
					Reagent ID	Volume Added		
							o-Cresol	1000 ug/mL
							Pentachlorophenol	2000 ug/mL
							Phenanthrene	1000 ug/mL
							Phenol	1000 ug/mL
							Pyrene	1000 ug/mL
							Pyridine	2000 ug/mL
..8270L1S9-S_00012	01/26/22		Restek, Lot A0152617		(Purchased Reagent)		3,3'-Dichlorobenzidine	2000 ug/mL
..8270SSstkPhen_00004	08/31/23		Phenova, Lot CL12771		(Purchased Reagent)		2,4,6-Tribromophenol (Surr)	5000 ug/mL
							2-Fluorobiphenyl	5000 ug/mL
							2-Fluorophenol (Surr)	5000 ug/mL
							2-methylnaphthalene-d10	5000 ug/mL
							Fluoranthene-d10 (Surr)	5000 ug/mL
							Nitrobenzene-d5 (Surr)	5000 ug/mL
							Phenol-d5 (Surr)	5000 ug/mL
							Terphenyl-d14	5000 ug/mL

Reagent

2356TCP_00004

Reference Materials Producer
Cert #2495.01

SPEXertificate®
Certificate of Reference Material

Chemical Testing
Cert #2495.02

Catalog Number: S-3410 **Lot No.** AA210304019

Description: 2,3,5,6-Tetrachlorophenol

Matrix: Methanol

Ship Date: December 28, 2021

Expiration Date: December 27, 2024

This **SPEXOrganics®** Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for organic chromatography instrumentation such as GC, GC-MS, LC, and LC-MS. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

Certified Compounds:

Compound	CAS #	Labeled	Purity	Certified†	Uncertainty
2,3,5,6-Tetrachlorophenol	935-95-5	1000 µg/mL	98.8%	1004 µg/mL	± 25 µg/mL

* - Isomer ratios (when applicable) are an uncertified parameter.

Final Solution Verification:

Final solution integrity verified by Gas Chromatography/Mass Spectrometry. The mass spectrum of each compound was confirmed against the NIST mass spectral database.

† Certified concentration based on gravimetric weights and corrected for the purity of the compound(s) used to prepare the standard. Analytical balance calibration is verified daily with C1 weight set #23-190006 which is registered with Atlantic Scale, and traceable to NIST and NJ Division of Weights and Measures.

This CRM is guaranteed stable and accurate to within the uncertainty listed for the certified value. This includes uncertainty components due to preparation, homogeneity, short term and long term stability. During the stated period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution. For further information, contact the Sales Support Department at crmsales@spexcsp.com.

Date of Certification: December 28, 2021

Certifying Officer: Shannon Mace

Shannon Macieira, Operations Manager

Report of Certification

Catalog Number: S-3410
Description: 2,3,5,6-Tetrachlorophenol
Matrix: Methanol

Lot No. AA210304019

Ship Date: December 28, 2021
Expiration Date: December 27, 2024

This Certified Reference Material (CRM) has been prepared and certified under an ISO 9001 (certified by DQS) and ISO 17025 (accredited by A2LA), and ISO 17034 (accredited by A2LA) quality system consistent with the following standards:

- ISO 9001: Quality management systems - Requirements
- ISO/IEC 17025: General requirements for the competence of testing and calibration laboratories
- ISO 17034: General requirements for the competence of reference material producers
- ISO Guide 30: Reference Materials - Selected terms and definitions
- ISO Guide 31: Reference Materials - Contents of certificates and lables
- ISO Guide 35: Refernece Materials - General and Statistical principals for certification
- Guide to the Expression of Uncertainty in Measurement, 2008
- EURACHEM/CITAC Guide: Qualifying Uncertainty in Analytical Measurement - Third Edition
- NIST Technical Note 1297

Storage Requirements:

To ensure the stability of the product once it arrives in your laboratory, please store this product in ambient conditions (18°C to 27°C). Note: Shipping conditions may differ from storage conditions. The EXPIRATION DATE is calculated from the SHIPPED DATE using our stability data and is applicable only if the product is stored under the laboratory specified conditions.

Instructions for Use:

Let material come to room temperature before use. Check for precipitate and if necessary sonicate for one minute. If compounds do not dissolve after one minute then sonicate further until the product is dissolved. A clear appearance is acceptable. The minimum recommended amount that should be removed from this vial is 5µL with a 25µL gas tight syringe. All solutions should be thoroughly mixed, by shaking, prior to use. All surfaces that come in contact with the solution must be thoroughly cleaned prior to use. Dilutions should be performed only with Class A volumetric glassware.

Material Source:

All analytes and matrix materials are obtained and verified by SPEX CertiPrep from pre-qualified vendors as per ISO guidelines. Vendor identifications are proprietary, however sources of all materials used in the preparation and testing of SPEX CertiPrep CRMs are tracked and documented. For assistance, please contact sales support at crmsales@spexcsp.com.

Method of Preparation:

Clean laboratory procedures and techniques have been used throughout the preparation. All materials, equipment, and analytical instrumentation have been qualified prior to use. The highest purity solvents and Class A/ calibrated volumetrics have been used in all preparations.

Homogeneity:

The homogeneity of this CRM has been confirmed by procedures consistent with ISO 17025, ISO 17034, and ASTM D6362-98 Appendix X2. Random, replicate samples of the final, packaged material have been analyzed to prove homogeneity in accordance with our internal procedure 4300-HOMOGEN-1A. This is consistent with the intended use of this CRM. The Degree of Homogeneity, as expressed as maximum between-bottle variation, is 1.2%

Statistical Estimator and Confidence Limits:

The Certified value 'X' as listed on the reverse of this document is at the 95% level of confidence and can be expressed as:

- $X = x \pm U$ where X=certified value, U=expanded uncertainty, x=property value
- $U = ku_c$ where k=2 is the coverage factor at the 95% confidence level
- u_c = combined standard uncertainty obtained by combining the individual compound standard uncertainty components u_i, where $u_c = \sqrt{\sum u_i^2}$

Legal Notice:

SPEX CertiPrep Certified Reference Materials are not for any cosmetic, drug, or household application and are to be used only by qualified individuals who are trained in appropriate procedures. No claims against SPEX CertiPrep of any kind whatsoever, whether based on breech of warranty, alleged negligence, or otherwise, with respect to this Reference Material shall be greater than the purchase price. In no event shall SPEX CertiPrep be liable for any loss of profits or any incidental, special, or consequential damages.

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Your Science is Our Passion.®

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Phone: 1-732-549-7144 • Fax 1-732-603-9647

Reagent

2356TCP_00005

ACCREDITED
Reference Materials Producer
Cert #2495.01

SPEXertificate®
Certificate of Reference Material

ilac-MRA ACCREDITED
Chemical Testing
Cert #2495.02

Catalog Number: S-3410 **Lot No.** AA210304019

Description: 2,3,5,6-Tetrachlorophenol

Matrix: Methanol

Ship Date: November 2, 2021
Expiration Date: November 1, 2024

This **SPEXOrganics®** Certified Reference Material, CRM, is intended primarily for use as a calibration standard or quality control standard for organic chromatography instrumentation such as GC, GC-MS, LC, and LC-MS. It can be employed in USEPA, ASTM and other methods relevant to the certified properties listed below.

Certified Compounds:

Compound	CAS #	Labeled	Purity	Certified†	Uncertainty
2,3,5,6-Tetrachlorophenol	935-95-5	1000 µg/mL	98.8%	1004 µg/mL	± 25 µg/mL

* - Isomer ratios (when applicable) are an uncertified parameter.

Final Solution Verification:

Final solution integrity verified by Gas Chromatography/Mass Spectrometry. The mass spectrum of each compound was confirmed against the NIST mass spectral database.

† Certified concentration based on gravimetric weights and corrected for the purity of the compound(s) used to prepare the standard. Analytical balance calibration is verified daily with C1 weight set #23-190006 which is registered with Atlantic Scale, and traceable to NIST and NJ Division of Weights and Measures.

This CRM is guaranteed stable and accurate to within the uncertainty listed for the certified value. This includes uncertainty components due to preparation, homogeneity, short term and long term stability. During the stated period of validity, the purchaser will be notified if this product is recalled due to any significant changes in the stability of the solution. For further information, contact the Sales Support Department at crmsales@spexcsp.com.

Date of Certification: November 2, 2021

Certifying Officer: Shannon Nace
Shannon Macieira, Operations Manager

Reagent

8270flspk_00296

Preliminary Report

Eurofins TestAmerica, Seattle
CCV, Cal Verification Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20200820-72434.b\820A06.D
Lims ID: 8270flspk_00269
Client ID:
Sample Type: CCV
Inject. Date: 20-Aug-2020 14:09:30 ALS Bottle#: 6 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 8270FLSPK_00269
Misc. Info.: 20X
Operator ID: jkm Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub32

Method: \\chromfs\Seattle\ChromData\TAC051\20200820-72434.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 20-Aug-2020 15:21:54 Calib Date: 31-Jul-2020 22:24:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20200731-72074.b\0731B14.D

Column 1 : Det: MS SCAN
Process Host: CTX1001

Start Cal Date: 31-Jul-2020 18:50:30
End Cal Date: 31-Jul-2020 22:24:30

Compound	Standard RRF/Amt	DLT RT	Ccal Amt	Ccal RF	Min. RRF	%D	Max. %D	%Rec
$ 7 2-Fluorophenol	*ND							
$ 8 Phenol-d5	*ND							
$ 9 Nitrobenzene-d5	*ND							
$ 11 2-Fluorobiphenyl	*ND							
$ 12 2,4,6-Tribromophenol	*ND							
$ 14 Terphenyl-d14	*ND							
16 N-Nitrosodimethylamine	1000.0	0.0	904.2	0.361975	0.010	-9.6	20	90
17 Pyridine	2000.0	0.0	1816.3	0.645577	0.010	-9.2	20	91
19 Phenol	1000.0	0.0	911.0	0.959441	0.800	-8.9	20	91
18 Aniline	1000.0	0.0	900.0	1.181467	0.010	-10	20	90
20 Bis(2-chloroethyl)ether	1000.0	0.0	917.5	0.781316	0.700	-8.3	20	92
21 2-Chlorophenol	1000.0	0.0	947.9	1.178209	0.800	-5.2	20	95
22 n-Decane	1000.0	0.0	887.3	0.660906	0.000	-11.3	20	89
23 1,3-Dichlorobenzene	1000.0	0.0	919.9	1.344327	0.010	-8.0	20	92
25 1,4-Dichlorobenzene	1000.0	0.0	921.3	1.330284	0.010	-7.9	20	92
26 Benzyl alcohol	1000.0	0.0	797.3	0.459577	0.010	*-20.3	20	80
27 1,2-Dichlorobenzene	1000.0	0.0	932.5	1.316154	0.010	-6.7	20	93
28 2-Methylphenol	1000.0	0.0	834.7	0.818210	0.700	-16.5	20	83
29 2,2'-oxybis[1-chloropro	1000.0	0.0	884.7	0.955593	0.010	-11.5	20	88
30 Acetophenone	1000.0	0.0	926.1	1.236997	0.010	-7.4	20	93
31 N-Nitrosodi-n-propylami	(I) 0.455524	0.0		* 0.431481	0.500	-5.3	20	95
32 3 & 4 Methylphenol	1000.0	0.0	868.8	0.823476	0.600	-13.1	20	87
33 Hexachloroethane	1000.0	0.0	984.0	0.518981	0.300	-1.6	20	98
34 Nitrobenzene	1000.0	0.0	850.2	0.619727	0.200	-15.0	20	85
35 Isophorone	1000.0	0.0	922.0	1.296449	0.400	-7.8	20	92

Preliminary Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20200820-72434.b\820A06.D

Compound	Standard RRF/Amt	DLT RT	Ccal Amt	Ccal RF	Min. RRF	%D	Max. %D	%Rec
36 2-Nitrophenol	0.147551	0.0		0.165071	0.100	11.9	20	112
37 2,4-Dimethylphenol	0.928642	0.0		0.914986	0.200	-1.5	20	99
39 Benzoic acid	2000.0	0.0	1700.2	0.112363	0.010	-15.0	20	85
38 Bis(2-chloroethoxy)meth	1000.0	0.0	926.2	0.926950	0.300	-7.4	20	93
40 2,4-Dichlorophenol	1000.0	0.0	981.0	0.225673	0.200	-1.9	20	98
41 1,2,4-Trichlorobenzene	1000.0	0.0	1048.1	0.273299	0.010	4.8	20	105
42 Naphthalene	1000.0	0.0	980.2	0.910693	0.700	-2.0	20	98
43 4-Chloroaniline	1000.0	0.0	846.7	0.298498	0.010	-15.3	20	85
44 2,6-Dichlorophenol	0.445072	0.0		0.434328	0.010	-2.4	20	98
45 Hexachlorobutadiene	0.127294	0.0		0.139357	0.010	9.5	20	109
46 4-Chloro-3-methylphenol	1000.0	0.0	815.5	0.333554	0.200	-18.5	20	82
47 2-Methylnaphthalene	1000.0	0.0	965.2	0.609966	0.400	-3.5	20	97
48 1-Methylnaphthalene	1000.0	0.0	968.5	0.568064	0.010	-3.2	20	97
49 Hexachlorocyclopentadie	0.304774	0.0		0.283490	0.050	-7.0	20	93
50 1,2,4,5-Tetrachlorobenz	1000.0	0.0	963.2	0.435554	0.000	-3.7	20	96
52 2,4,6-Trichlorophenol	1000.0	0.0	836.6	0.250594	0.200	-16.3	20	84
53 2,4,5-Trichlorophenol	(I) 1000.0	0.0	1004.8	0.326285	0.200	0.5	20	100
54 1,1'-Biphenyl	1000.0	0.0	859.9	1.276118	0.010	-14.0	20	86
55 2-Chloronaphthalene	1000.0	0.0	874.7	1.007676	0.800	-12.5	20	87
56 2-Nitroaniline	1000.0	0.0	897.4	0.334289	0.010	-10.3	20	90
57 Dimethyl phthalate	1000.0	0.0	917.7	1.121027	0.010	-8.2	20	92
58 1,3-Dinitrobenzene	1000.0	0.0	907.9	0.163513	0.000	-9.2	20	91
59 2,6-Dinitrotoluene	(I) 1000.0	0.0	902.8	0.257665	0.200	-9.7	20	90
60 Acenaphthylene	1000.0	0.0	900.3	1.613681	0.900	-10	20	90
61 3-Nitroaniline	1000.0	0.0	917.1	0.278774	0.010	-8.3	20	92
62 Acenaphthene	1.130761	0.0		1.024322	0.900	-9.4	20	91
63 2,4-Dinitrophenol	2000.0	0.0	2088.8	0.100259	0.010	4.4	20	104
64 4-Nitrophenol	2000.0	0.0	1951.7	0.112532	0.010	-2.4	20	98
65 2,4-Dinitrotoluene	(I) 1000.0	0.0	926.1	0.331813	0.200	-7.4	20	93
66 Dibenzofuran	1.480710	0.0		1.381435	0.800	-6.7	20	93
67 2,3,4,6-Tetrachlorophen	1000.0	0.0	997.5	0.207185	0.010	-0.3	20	100
68 Diethyl phthalate	1.301646	0.0		1.225005	0.010	-5.9	20	94
69 Fluorene	1000.0	0.0	947.6	1.149144	0.900	-5.2	20	95
70 4-Chlorophenyl phenyl e	0.508412	0.0		0.491442	0.400	-3.3	20	97
71 4-Nitroaniline	1000.0	0.0	1094.8	0.309869	0.010	9.5	20	109
72 4,6-Dinitro-2-methylphe	2000.0	0.0	2160.6	0.097266	0.010	8.0	20	108
73 N-Nitrosodiphenylamine	0.549545	0.0		0.554488	0.010	0.9	20	101
74 Azobenzene	1000.0	0.0	978.0	0.470843	0.000	-2.2	20	98
75 4-Bromophenyl phenyl et	0.190324	0.0		0.184596	0.100	-3.0	20	97
76 Hexachlorobenzene	0.243010	0.0		0.228455	0.100	-6.0	20	94
77 Atrazine	0.278577	0.0		0.563303	0.010	*102.2	20	202
78 Pentachlorophenol	2000.0	0.0	1976.4	0.113655	0.050	-1.2	20	99
79 n-Octadecane	1000.0	0.0	914.3	0.273348	0.000	-8.6	20	91
80 Phenanthrene	1.060496	0.0		1.074722	0.700	1.3	20	101
81 Anthracene	1000.0	0.0	1045.6	1.120926	0.700	4.6	20	105

Preliminary Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20200820-72434.b\820A06.D

Compound	Standard RRF/Amt	DLT RT	Ccal Amt	Ccal RF	Min. RRF	%D	Max. %D	%Rec
83 Carbazole	0.786169	0.0		0.994039	0.010	*26.4	20	126
84 Di-n-butyl phthalate	1.273716	0.0		1.347000	0.010	5.8	20	106
85 Fluoranthene	0.995090	0.0		1.060149	0.600	6.5	20	107
88 Benzidine	2000.0	0.0	2405.7	0.431250	0.010	*20.3	20	120
89 Pyrene	1000.0	0.0	1094.6	1.142933	0.600	9.5	20	109
90 4,4'-DDE	*ND							
93 4,4'-DDD	*ND							
94 Butyl benzyl phthalate	0.676658	0.0		0.709716	0.010	4.9	20	105
96 3,3'-Dichlorobenzidine	2000.0	0.0	2432.3	0.454899	0.010	*21.6	20	122
97 Benzo[a]anthracene	1.108207	0.0		1.095645	0.800	-1.1	20	99
99 Chrysene	1.237871	0.0		1.227364	0.700	-0.8	20	99
98 Bis(2-ethylhexyl) phtha	1000.0	0.0	982.0	1.005085	0.010	-1.8	20	98
100 Di-n-octyl phthalate	1000.0	0.0	963.3	1.480588	0.010	-3.7	20	96
101 Benzo[b]fluoranthene	1.053743	0.0		1.030314	0.700	-2.2	20	98
102 Benzofluoranthene	*ND							
103 Benzo[k]fluoranthene	1.241038	0.0		1.249809	0.700	0.7	20	101
104 Benzo[a]pyrene	0.970570	0.0		0.931557	0.700	-4.0	20	96
105 Indeno[1,2,3-cd]pyrene	1000.0	0.0	814.9	0.809948	0.500	-18.5	20	81
106 Dibenz(a,h)anthracene	1000.0	0.0	736.4	0.717275	0.400	*-26.4	20	74
107 Benzo[g,h,i]perylene	1000.0	0.0	807.4	0.891678	0.500	-19.3	20	81
116 Hexadecane	*ND							
111 Caprolactam	*ND							
119 Indene	*ND							

(I) Fails an Initial Calibration Test

Reagent

8270ISstk_00007

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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

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Reference Material Producer
Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 567684 **Lot No.:** A0153348

Description : 8270 Internal Standard

8270 Internal Standard 2,000µg/mL, Methylene chloride, 5mL/ampul

2529260
ID: 8270ISstk_00007
Exp: 09/30/24 Prpd: E1L
8270 internal standard st

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : September 30, 2024 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive.

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	1,4-Dichlorobenzene-d4		2,001.9 µg/mL	+/- 11.6390 µg/mL		Gravimetric
	CAS # 3855-82-1	(Lot PR-18488)		+/- 90.1653 µg/mL		Unstressed
	Purity 99%			+/- 100.0495 µg/mL		Stressed
2	Naphthalene-d8		2,004.6 µg/mL	+/- 11.6549 µg/mL		Gravimetric
	CAS # 1146-65-2	(Lot M-1452)		+/- 90.2884 µg/mL		Unstressed
	Purity 99%			+/- 100.1861 µg/mL		Stressed
3	Acenaphthene-d10		2,003.3 µg/mL	+/- 11.6476 µg/mL		Gravimetric
	CAS # 15067-26-2	(Lot PR-28021)		+/- 90.2313 µg/mL		Unstressed
	Purity 99%			+/- 100.1228 µg/mL		Stressed
4	Phenanthrene-d10		2,001.9 µg/mL	+/- 11.6390 µg/mL		Gravimetric
	CAS # 1517-22-2	(Lot PR-27621)		+/- 90.1653 µg/mL		Unstressed
	Purity 99%			+/- 100.0495 µg/mL		Stressed
5	Chrysene-d12		2,003.7 µg/mL	+/- 11.6499 µg/mL		Gravimetric
	CAS # 1719-03-5	(Lot PR-29295)		+/- 90.2493 µg/mL		Unstressed
	Purity 99%			+/- 100.1428 µg/mL		Stressed
6	Perylene-d12		2,002.0 µg/mL	+/- 11.6398 µg/mL		Gravimetric
	CAS # 1520-96-3	(Lot PR-27342)		+/- 90.1713 µg/mL		Unstressed
	Purity 99%			+/- 100.0562 µg/mL		Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

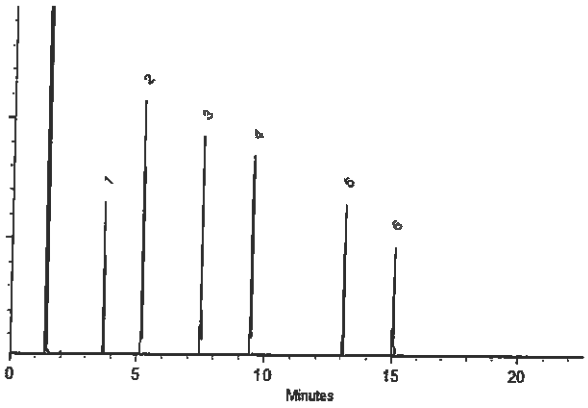
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 26-Sep-2019 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 01-Oct-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

Reagent

8270Mega_1stk_00016

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0164427

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2022 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)	
1	1,4-Dioxane **CAS #** 123-91-1 **Purity** 99%	(Lot SHBL6661)	1,003.9 µg/mL	+/- 5.8368 µg/mL +/- 12.0007 µg/mL +/- 19.0989 µg/mL	Gravimetric Unstressed Stressed
2	N-Nitrosodimethylamine **CAS #** 62-75-9 **Purity** 99%	(Lot 200326JLM)	1,006.2 µg/mL	+/- 5.8501 µg/mL +/- 12.0282 µg/mL +/- 19.1427 µg/mL	Gravimetric Unstressed Stressed
3	Pyridine **CAS #** 110-86-1 **Purity** 99%	(Lot SHBK6453)	2,012.6 µg/mL	+/- 11.7014 µg/mL +/- 24.0587 µg/mL +/- 38.2891 µg/mL	Gravimetric Unstressed Stressed
4	Phenol **CAS #** 108-95-2 **Purity** 99%	(Lot MKCK1120)	1,008.2 µg/mL	+/- 5.8618 µg/mL +/- 12.0521 µg/mL +/- 19.1807 µg/mL	Gravimetric Unstressed Stressed
5	Aniline **CAS #** 62-53-3 **Purity** 99%	(Lot SHBF4593V)	1,004.3 µg/mL	+/- 5.8391 µg/mL +/- 12.0055 µg/mL +/- 19.1065 µg/mL	Gravimetric Unstressed Stressed
6	Bis(2-chloroethyl)ether **CAS #** 111-44-4 **Purity** 99%	(Lot SHBJ2059)	1,004.7 µg/mL	+/- 5.8414 µg/mL +/- 12.0102 µg/mL +/- 19.1141 µg/mL	Gravimetric Unstressed Stressed
7	n-Decane (C10) **CAS #** 124-18-5 **Purity** 99%	(Lot SHBL4313)	1,007.1 µg/mL	+/- 5.8554 µg/mL +/- 12.0389 µg/mL +/- 19.1598 µg/mL	Gravimetric Unstressed Stressed

8	2-Chlorophenol **CAS #** 95-57-8 **Purity** 99%	(Lot STBH7290)	1,003.2	µg/mL	+/- 5.8327 +/- 11.9923 +/- 19.0856	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	1,3-Dichlorobenzene **CAS #** 541-73-1 **Purity** 99%	(Lot BCBQ7100V)	1,002.9	µg/mL	+/- 5.8309 +/- 11.9887 +/- 19.0799	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	1,4-Dichlorobenzene **CAS #** 106-46-7 **Purity** 99%	(Lot MKBS4401V)	1,005.8	µg/mL	+/- 5.8478 +/- 12.0234 +/- 19.1351	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Benzyl alcohol **CAS #** 100-51-6 **Purity** 99%	(Lot SHBK5943)	1,003.3	µg/mL	+/- 5.8333 +/- 11.9935 +/- 19.0875	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	1,2-Dichlorobenzene **CAS #** 95-50-1 **Purity** 99%	(Lot SHBK7741)	1,007.3	µg/mL	+/- 5.8565 +/- 12.0413 +/- 19.1636	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	2-Methylphenol (o-cresol) **CAS #** 95-48-7 **Purity** 99%	(Lot SHBH6379)	1,005.5	µg/mL	+/- 5.8461 +/- 12.0198 +/- 19.1293	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	2,2'-oxybis(1-chloropropane) **CAS #** 108-60-1 **Purity** 98%	(Lot 9788700)	1,006.6	µg/mL	+/- 5.8522 +/- 12.0325 +/- 19.1495	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Acetophenone **CAS #** 98-86-2 **Purity** 99%	(Lot STBH8205)	1,002.3	µg/mL	+/- 5.8275 +/- 11.9816 +/- 19.0685	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	3-Methylphenol (m-cresol) **CAS #** 108-39-4 **Purity** 99%	(Lot SHBD0627V)	501.7	µg/mL	+/- 2.9237 +/- 6.0006 +/- 9.5468	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	4-Methylphenol (p-cresol) **CAS #** 106-44-5 **Purity** 99%	(Lot 49396AP)	502.1	µg/mL	+/- 2.9260 +/- 6.0054 +/- 9.5544	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	N-Nitroso-di-n-propylamine **CAS #** 621-64-7 **Purity** 99%	(Lot 2D5VJ)	1,007.4	µg/mL	+/- 5.8571 +/- 12.0425 +/- 19.1655	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Hexachloroethane **CAS #** 67-72-1 **Purity** 99%	(Lot ENSIK)	1,007.9	µg/mL	+/- 5.8600 +/- 12.0485 +/- 19.1750	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Nitrobenzene **CAS #** 98-95-3 **Purity** 99%	(Lot SHBJ3622)	1,004.8	µg/mL	+/- 5.8420 +/- 12.0114 +/- 19.1160	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	Isophorone **CAS #** 78-59-1 **Purity** 99%	(Lot MKCC9506)	1,004.3	µg/mL	+/- 5.8391 +/- 12.0055 +/- 19.1065	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	2-Nitrophenol **CAS #** 88-75-5 **Purity** 99%	(Lot BCCB2407)	1,007.6	µg/mL	+/- 5.8583 +/- 12.0449 +/- 19.1693	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	2,4-Dimethylphenol **CAS #** 105-67-9 **Purity** 99%	(Lot 10165155)	1,006.0	µg/mL	+/- 5.8490 +/- 12.0258 +/- 19.1389	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Bis(2-chloroethoxy)methane **CAS #** 111-91-1 **Purity** 99%	(Lot 9890600)	1,005.6 µg/mL	+/- 5.8466 +/- 12.0210 +/- 19.1312	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
25	2,4-Dichlorophenol **CAS #** 120-83-2 **Purity** 99%	(Lot BCBJ8113V)	1,006.3 µg/mL	+/- 5.8507 +/- 12.0294 +/- 19.1446	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
26	1,2,4-Trichlorobenzene **CAS #** 120-82-1 **Purity** 99%	(Lot SHBJ9215)	1,006.9 µg/mL	+/- 5.8542 +/- 12.0365 +/- 19.1560	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
27	Naphthalene **CAS #** 91-20-3 **Purity** 99%	(Lot MKBZ8680V)	1,003.6 µg/mL	+/- 5.8350 +/- 11.9971 +/- 19.0932	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
28	2,6-Dichlorophenol **CAS #** 87-65-0 **Purity** 99%	(Lot MKCK2863)	1,008.2 µg/mL	+/- 5.8618 +/- 12.0521 +/- 19.1807	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
29	4-Chloroaniline **CAS #** 106-47-8 **Purity** 99%	(Lot BCBJ1580V)	1,004.1 µg/mL	+/- 5.8379 +/- 12.0031 +/- 19.1027	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
30	Hexachlorobutadiene **CAS #** 87-68-3 **Purity** 98%	(Lot J31X013)	1,004.4 µg/mL	+/- 5.8397 +/- 12.0067 +/- 19.1085	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
31	4-Chloro-3-methylphenol **CAS #** 59-50-7 **Purity** 99%	(Lot STBC7309V)	1,007.8 µg/mL	+/- 5.8594 +/- 12.0473 +/- 19.1731	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
32	2-Methylnaphthalene **CAS #** 91-57-6 **Purity** 96%	(Lot STBG8884)	999.1 µg/mL	+/- 5.8087 +/- 11.9430 +/- 19.0071	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
33	1-Methylnaphthalene **CAS #** 90-12-0 **Purity** 99%	(Lot 523400-9)	1,007.7 µg/mL	+/- 5.8589 +/- 12.0461 +/- 19.1712	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
34	1,2,4,5-Tetrachlorobenzene **CAS #** 95-94-3 **Purity** 99%	(Lot MKCG5992)	1,003.1 µg/mL	+/- 5.8321 +/- 11.9911 +/- 19.0837	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
35	Hexachlorocyclopentadiene **CAS #** 77-47-4 **Purity** 99%	(Lot 0012019)	1,007.1 µg/mL	+/- 5.8554 +/- 12.0389 +/- 19.1598	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
36	2,4,6-Trichlorophenol **CAS #** 88-06-2 **Purity** 99%	(Lot STBH7520)	1,006.1 µg/mL	+/- 5.8496 +/- 12.0270 +/- 19.1408	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
37	2,4,5-Trichlorophenol **CAS #** 95-95-4 **Purity** 98%	(Lot FHN01)	1,007.8 µg/mL	+/- 5.8596 +/- 12.0477 +/- 19.1737	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
38	2-Chloronaphthalene **CAS #** 91-58-7 **Purity** 99%	(Lot AJ2UI)	1,006.7 µg/mL	+/- 5.8530 +/- 12.0342 +/- 19.1522	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
39	Biphenyl **CAS #** 92-52-4 **Purity** 99%	(Lot MKCD8504)	1,006.6 µg/mL	+/- 5.8525 +/- 12.0330 +/- 19.1503	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

40	2-Nitroaniline **CAS #** 88-74-4 **Purity** 99%	(Lot MKCJ8895)	1,004.5	µg/mL	+/- 5.8402 +/- 12.0079 +/- 19.1103	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
41	Acenaphthylene **CAS #** 208-96-8 **Purity** 97%	(Lot L02U)	1,004.7	µg/mL	+/- 5.8416 +/- 12.0106 +/- 19.1146	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
42	1,3-Dinitrobenzene **CAS #** 99-65-0 **Purity** 99%	(Lot BCBN4329V)	1,003.6	µg/mL	+/- 5.8350 +/- 11.9971 +/- 19.0932	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
43	Dimethylphthalate **CAS #** 131-11-3 **Purity** 99%	(Lot 10117699)	1,008.3	µg/mL	+/- 5.8623 +/- 12.0533 +/- 19.1826	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
44	2,6-Dinitrotoluene **CAS #** 606-20-2 **Purity** 99%	(Lot BCBB8606)	1,003.4	µg/mL	+/- 5.8339 +/- 11.9947 +/- 19.0894	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
45	3-Nitroaniline **CAS #** 99-09-2 **Purity** 99%	(Lot MKCH5457)	1,005.6	µg/mL	+/- 5.8466 +/- 12.0210 +/- 19.1312	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
46	Acenaphthene **CAS #** 83-32-9 **Purity** 99%	(Lot MKCK2310)	1,002.2	µg/mL	+/- 5.8269 +/- 11.9804 +/- 19.0666	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
47	2,4-Dinitrophenol **CAS #** 51-28-5 **Purity** 99%	(Lot STBH7564)	2,006.6	µg/mL	+/- 11.6665 +/- 23.9870 +/- 38.1750	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
48	Dibenzofuran **CAS #** 132-64-9 **Purity** 99%	(Lot MKCD9952)	1,007.5	µg/mL	+/- 5.8577 +/- 12.0437 +/- 19.1674	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
49	4-Nitrophenol **CAS #** 100-02-7 **Purity** 99%	(Lot MKCF6111)	2,013.8	µg/mL	+/- 11.7084 +/- 24.0731 +/- 38.3120	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
50	2,4-Dinitrotoluene **CAS #** 121-14-2 **Purity** 99%	(Lot MKAA0690V)	1,007.8	µg/mL	+/- 5.8594 +/- 12.0473 +/- 19.1731	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
51	2,3,4,6-Tetrachlorophenol **CAS #** 58-90-2 **Purity** 99%	(Lot PR-30126)	1,007.4	µg/mL	+/- 5.8571 +/- 12.0425 +/- 19.1655	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
52	Fluorene **CAS #** 86-73-7 **Purity** 99%	(Lot 10217947)	1,003.7	µg/mL	+/- 5.8356 +/- 11.9983 +/- 19.0951	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
53	n-Hexadecane (C16) **CAS #** 544-76-3 **Purity** 99%	(Lot SHBJ7508)	1,003.5	µg/mL	+/- 5.8344 +/- 11.9959 +/- 19.0913	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
54	Diethylphthalate **CAS #** 84-66-2 **Purity** 99%	(Lot MKCD2547)	1,004.1	µg/mL	+/- 5.8379 +/- 12.0031 +/- 19.1027	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
55	4-Chlorophenyl phenyl ether **CAS #** 7005-72-3 **Purity** 99%	(Lot MKCJ6392)	1,006.9	µg/mL	+/- 5.8542 +/- 12.0365 +/- 19.1560	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

56	4-Nitroaniline		1,004.3	µg/mL	+/- 5.8391	µg/mL	Gravimetric
	CAS # 100-01-6	(Lot BCCC2312)			+/- 12.0055	µg/mL	Unstressed
	Purity 99%				+/- 19.1065	µg/mL	Stressed
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)		2,015.2	µg/mL	+/- 11.7165	µg/mL	Gravimetric
	CAS # 534-52-1	(Lot P012019-414)			+/- 24.0898	µg/mL	Unstressed
	Purity 99%				+/- 38.3386	µg/mL	Stressed
58	Diphenylamine		852.2	µg/mL	+/- 4.9662	µg/mL	Gravimetric
	CAS # 122-39-4	(Lot MKBN8295V)			+/- 10.1928	µg/mL	Unstressed
	Purity 99%				+/- 16.2164	µg/mL	Stressed
59	Azobenzene		1,007.4	µg/mL	+/- 5.8571	µg/mL	Gravimetric
	CAS # 103-33-3	(Lot BCCB8438)			+/- 12.0425	µg/mL	Unstressed
	Purity 99%				+/- 19.1655	µg/mL	Stressed
60	4-Bromophenyl phenyl ether		1,006.6	µg/mL	+/- 5.8525	µg/mL	Gravimetric
	CAS # 101-55-3	(Lot STBB9729V)			+/- 12.0330	µg/mL	Unstressed
	Purity 99%				+/- 19.1503	µg/mL	Stressed
61	Hexachlorobenzene		1,007.2	µg/mL	+/- 5.8559	µg/mL	Gravimetric
	CAS # 118-74-1	(Lot CCS-0410)			+/- 12.0401	µg/mL	Unstressed
	Purity 99%				+/- 19.1617	µg/mL	Stressed
62	Pentachlorophenol		2,010.7	µg/mL	+/- 11.6904	µg/mL	Gravimetric
	CAS # 87-86-5	(Lot 200820KJ)			+/- 24.0360	µg/mL	Unstressed
	Purity 99%				+/- 38.2530	µg/mL	Stressed
63	n-Octadecane (C18)		1,005.0	µg/mL	+/- 5.8432	µg/mL	Gravimetric
	CAS # 593-45-3	(Lot RI6FI)			+/- 12.0138	µg/mL	Unstressed
	Purity 99%				+/- 19.1198	µg/mL	Stressed
64	Phenanthrene		1,004.0	µg/mL	+/- 5.8373	µg/mL	Gravimetric
	CAS # 85-01-8	(Lot MKCG6676)			+/- 12.0019	µg/mL	Unstressed
	Purity 99%				+/- 19.1008	µg/mL	Stressed
65	Anthracene		1,004.4	µg/mL	+/- 5.8397	µg/mL	Gravimetric
	CAS # 120-12-7	(Lot MKCM0015)			+/- 12.0067	µg/mL	Unstressed
	Purity 99%				+/- 19.1084	µg/mL	Stressed
66	Carbazole		1,008.9	µg/mL	+/- 5.8658	µg/mL	Gravimetric
	CAS # 86-74-8	(Lot 10455200)			+/- 12.0605	µg/mL	Unstressed
	Purity 99%				+/- 19.1940	µg/mL	Stressed
67	Di-n-butylphthalate		1,003.8	µg/mL	+/- 5.8362	µg/mL	Gravimetric
	CAS # 84-74-2	(Lot MKCJ3790)			+/- 11.9995	µg/mL	Unstressed
	Purity 99%				+/- 19.0970	µg/mL	Stressed
68	Fluoranthene		1,008.1	µg/mL	+/- 5.8613	µg/mL	Gravimetric
	CAS # 206-44-0	(Lot MKBQ6360V)			+/- 12.0512	µg/mL	Unstressed
	Purity 98%				+/- 19.1793	µg/mL	Stressed
69	Pyrene		1,004.1	µg/mL	+/- 5.8379	µg/mL	Gravimetric
	CAS # 129-00-0	(Lot BCCB9880)			+/- 12.0031	µg/mL	Unstressed
	Purity 99%				+/- 19.1027	µg/mL	Stressed
70	Benzyl butyl phthalate		1,007.7	µg/mL	+/- 5.8589	µg/mL	Gravimetric
	CAS # 85-68-7	(Lot MKCF0058)			+/- 12.0461	µg/mL	Unstressed
	Purity 99%				+/- 19.1712	µg/mL	Stressed
71	Benz(a)anthracene		1,008.0	µg/mL	+/- 5.8606	µg/mL	Gravimetric
	CAS # 56-55-3	(Lot RP200715)			+/- 12.0497	µg/mL	Unstressed
	Purity 99%				+/- 19.1769	µg/mL	Stressed

72	Chrysene		1,008.9	µg/mL	+/-	5.8658	µg/mL	Gravimetric
	CAS # 218-01-9	(Lot 012015)			+/-	12.0605	µg/mL	Unstressed
	Purity 99%				+/-	19.1940	µg/mL	Stressed
73	Bis(2-ethylhexyl)phthalate		1,002.7	µg/mL	+/-	5.8298	µg/mL	Gravimetric
	CAS # 117-81-7	(Lot MKCJ1159)			+/-	11.9863	µg/mL	Unstressed
	Purity 99%				+/-	19.0761	µg/mL	Stressed
74	Di-n-octyl phthalate		1,007.6	µg/mL	+/-	5.8583	µg/mL	Gravimetric
	CAS # 117-84-0	(Lot 10532100)			+/-	12.0449	µg/mL	Unstressed
	Purity 99%				+/-	19.1693	µg/mL	Stressed
75	Benzo(b)fluoranthene		1,006.0	µg/mL	+/-	5.8490	µg/mL	Gravimetric
	CAS # 205-99-2	(Lot 012020B)			+/-	12.0258	µg/mL	Unstressed
	Purity 99%				+/-	19.1389	µg/mL	Stressed
76	Benzo(k)fluoranthene		1,005.2	µg/mL	+/-	5.8443	µg/mL	Gravimetric
	CAS # 207-08-9	(Lot 012017K)			+/-	12.0162	µg/mL	Unstressed
	Purity 99%				+/-	19.1236	µg/mL	Stressed
77	Benzo(a)pyrene		1,005.0	µg/mL	+/-	5.8432	µg/mL	Gravimetric
	CAS # 50-32-8	(Lot RP200901)			+/-	12.0138	µg/mL	Unstressed
	Purity 99%				+/-	19.1198	µg/mL	Stressed
78	Indeno(1,2,3-cd)pyrene		1,004.6	µg/mL	+/-	5.8408	µg/mL	Gravimetric
	CAS # 193-39-5	(Lot 11-FLI-175-4)			+/-	12.0091	µg/mL	Unstressed
	Purity 99%				+/-	19.1122	µg/mL	Stressed
79	Dibenz(a,h)anthracene		1,005.7	µg/mL	+/-	5.8472	µg/mL	Gravimetric
	CAS # 53-70-3	(Lot ER032211-01)			+/-	12.0222	µg/mL	Unstressed
	Purity 99%				+/-	19.1332	µg/mL	Stressed
80	Benzo(g,h,i)perylene		1,003.6	µg/mL	+/-	5.8350	µg/mL	Gravimetric
	CAS # 191-24-2	(Lot 8GFYJ)			+/-	11.9971	µg/mL	Unstressed
	Purity 99%				+/-	19.0932	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

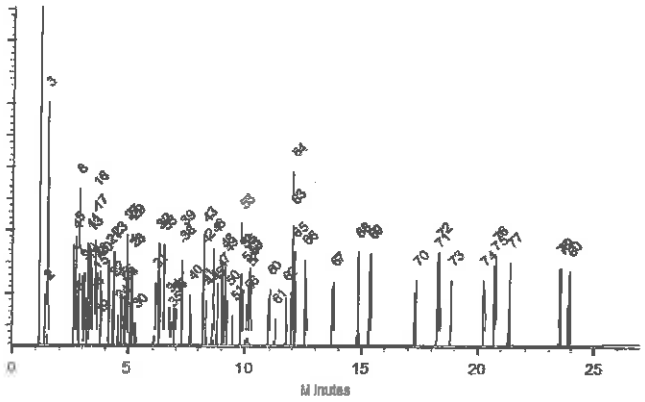
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 15-Sep-2020 **Balance:** B442140311

Justine Albertson - Operations Tech-ARM QC

Date Passed: 25-Sep-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270Mega_1stk_00018

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 571995 **Lot No.:** A0175066

Description : 8270 List 1 / Std #1 MegaMix (2017)

8270 List 1 / Std #1 MegaMix (2017) 500-2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : February 28, 2023 **Storage:** 0°C or colder

Handling: Carcinogen/reproductive toxin. Photosensitive. Sonicate. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	1,4-Dioxane **CAS #** 123-91-1 (Lot SHBM9675) **Purity** 99%	1,001.8 µg/mL	+/- 5.8246 µg/mL +/- 11.9756 µg/mL +/- 19.0590 µg/mL	Gravimetric Unstressed Stressed
2	N-Nitrosodimethylamine **CAS #** 62-75-9 (Lot 210512JLM) **Purity** 99%	1,002.3 µg/mL	+/- 5.8277 µg/mL +/- 11.9820 µg/mL +/- 19.0691 µg/mL	Gravimetric Unstressed Stressed
3	Pyridine **CAS #** 110-86-1 (Lot SHBL0433) **Purity** 99%	2,001.8 µg/mL	+/- 11.6386 µg/mL +/- 23.9296 µg/mL +/- 38.0837 µg/mL	Gravimetric Unstressed Stressed
4	Phenol **CAS #** 108-95-2 (Lot MKCK1120) **Purity** 99%	1,001.1 µg/mL	+/- 5.8207 µg/mL +/- 11.9676 µg/mL +/- 19.0463 µg/mL	Gravimetric Unstressed Stressed
5	Aniline **CAS #** 62-53-3 (Lot K22Z462) **Purity** 99%	1,004.1 µg/mL	+/- 5.8377 µg/mL +/- 12.0027 µg/mL +/- 19.1021 µg/mL	Gravimetric Unstressed Stressed
6	Bis(2-chloroethyl)ether **CAS #** 111-44-4 (Lot SHBL6942) **Purity** 99%	1,002.4 µg/mL	+/- 5.8280 µg/mL +/- 11.9828 µg/mL +/- 19.0704 µg/mL	Gravimetric Unstressed Stressed
7	n-Decane (C10) **CAS #** 124-18-5 (Lot SHBJ9898) **Purity** 99%	1,000.3 µg/mL	+/- 5.8160 µg/mL +/- 11.9580 µg/mL +/- 19.0311 µg/mL	Gravimetric Unstressed Stressed

8	2-Chlorophenol **CAS #** 95-57-8 **Purity** 99%	(Lot STBH7290)	1,001.3	µg/mL	+/- 5.8215 +/- 11.9692 +/- 19.0488	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
9	1,3-Dichlorobenzene **CAS #** 541-73-1 **Purity** 99%	(Lot BCBZ7498)	1,002.7	µg/mL	+/- 5.8300 +/- 11.9867 +/- 19.0767	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
10	1,4-Dichlorobenzene **CAS #** 106-46-7 **Purity** 99%	(Lot MKBS4401V)	1,002.0	µg/mL	+/- 5.8257 +/- 11.9780 +/- 19.0628	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
11	Benzyl alcohol **CAS #** 100-51-6 **Purity** 99%	(Lot SHBK5943)	1,001.4	µg/mL	+/- 5.8222 +/- 11.9708 +/- 19.0513	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
12	1,2-Dichlorobenzene **CAS #** 95-50-1 **Purity** 99%	(Lot SHBK7741)	1,001.5	µg/mL	+/- 5.8230 +/- 11.9724 +/- 19.0539	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
13	2-Methylphenol (o-cresol) **CAS #** 95-48-7 **Purity** 99%	(Lot SHBH6379)	1,000.5	µg/mL	+/- 5.8172 +/- 11.9604 +/- 19.0349	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
14	2,2'-oxybis(1-chloropropane) **CAS #** 108-60-1 **Purity** 99%	(Lot 11885400)	1,002.5	µg/mL	+/- 5.8288 +/- 11.9843 +/- 19.0729	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
15	Acetophenone **CAS #** 98-86-2 **Purity** 99%	(Lot STBH8205)	1,001.3	µg/mL	+/- 5.8218 +/- 11.9700 +/- 19.0501	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
16	3-Methylphenol (m-cresol) **CAS #** 108-39-4 **Purity** 99%	(Lot SHBD0627V)	500.1	µg/mL	+/- 2.9145 +/- 5.9819 +/- 9.5169	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
17	4-Methylphenol (p-cresol) **CAS #** 106-44-5 **Purity** 99%	(Lot SHBL4411)	500.2	µg/mL	+/- 2.9149 +/- 5.9827 +/- 9.5182	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
18	N-Nitroso-di-n-propylamine **CAS #** 621-64-7 **Purity** 99%	(Lot 2D5VJ)	1,001.5	µg/mL	+/- 5.8230 +/- 11.9724 +/- 19.0539	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
19	Hexachloroethane **CAS #** 67-72-1 **Purity** 99%	(Lot ENSIK)	1,000.3	µg/mL	+/- 5.8156 +/- 11.9573 +/- 19.0298	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
20	Nitrobenzene **CAS #** 98-95-3 **Purity** 99%	(Lot MKCK4267)	1,002.0	µg/mL	+/- 5.8257 +/- 11.9780 +/- 19.0628	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
21	Isophorone **CAS #** 78-59-1 **Purity** 99%	(Lot MKCC9506)	1,001.3	µg/mL	+/- 5.8215 +/- 11.9692 +/- 19.0488	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
22	2-Nitrophenol **CAS #** 88-75-5 **Purity** 99%	(Lot BCCB2407)	1,003.5	µg/mL	+/- 5.8342 +/- 11.9955 +/- 19.0907	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
23	2,4-Dimethylphenol **CAS #** 105-67-9 **Purity** 99%	(Lot B2L4B)	1,002.1	µg/mL	+/- 5.8261 +/- 11.9788 +/- 19.0640	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

24	Bis(2-chloroethoxy)methane		1,003.0	µg/mL	+/-	5.8315	µg/mL	Gravimetric
	CAS # 111-91-1	(Lot 9890600)			+/-	11.9899	µg/mL	Unstressed
	Purity 99%				+/-	19.0818	µg/mL	Stressed
25	2,4-Dichlorophenol		1,000.9	µg/mL	+/-	5.8195	µg/mL	Gravimetric
	CAS # 120-83-2	(Lot BCBZ6787)			+/-	11.9652	µg/mL	Unstressed
	Purity 99%				+/-	19.0425	µg/mL	Stressed
26	1,2,4-Trichlorobenzene		1,003.4	µg/mL	+/-	5.8339	µg/mL	Gravimetric
	CAS # 120-82-1	(Lot SHBM0526)			+/-	11.9947	µg/mL	Unstressed
	Purity 99%				+/-	19.0894	µg/mL	Stressed
27	Naphthalene		1,003.5	µg/mL	+/-	5.8346	µg/mL	Gravimetric
	CAS # 91-20-3	(Lot MKCH0219)			+/-	11.9963	µg/mL	Unstressed
	Purity 99%				+/-	19.0919	µg/mL	Stressed
28	2,6-Dichlorophenol		1,000.1	µg/mL	+/-	5.8149	µg/mL	Gravimetric
	CAS # 87-65-0	(Lot MKCK2863)			+/-	11.9557	µg/mL	Unstressed
	Purity 99%				+/-	19.0272	µg/mL	Stressed
29	4-Chloroaniline		1,001.8	µg/mL	+/-	5.8246	µg/mL	Gravimetric
	CAS # 106-47-8	(Lot BCBJ1580V)			+/-	11.9756	µg/mL	Unstressed
	Purity 99%				+/-	19.0590	µg/mL	Stressed
30	Hexachlorobutadiene		1,001.6	µg/mL	+/-	5.8234	µg/mL	Gravimetric
	CAS # 87-68-3	(Lot 664800)			+/-	11.9732	µg/mL	Unstressed
	Purity 99%				+/-	19.0551	µg/mL	Stressed
31	4-Chloro-3-methylphenol		1,000.3	µg/mL	+/-	5.8160	µg/mL	Gravimetric
	CAS # 59-50-7	(Lot STBC7309V)			+/-	11.9580	µg/mL	Unstressed
	Purity 99%				+/-	19.0311	µg/mL	Stressed
32	2-Methylnaphthalene		1,001.2	µg/mL	+/-	5.8211	µg/mL	Gravimetric
	CAS # 91-57-6	(Lot STBG8884)			+/-	11.9684	µg/mL	Unstressed
	Purity 99%				+/-	19.0475	µg/mL	Stressed
33	1-Methylnaphthalene		1,001.7	µg/mL	+/-	5.8238	µg/mL	Gravimetric
	CAS # 90-12-0	(Lot 5234.00-3)			+/-	11.9740	µg/mL	Unstressed
	Purity 99%				+/-	19.0564	µg/mL	Stressed
34	1,2,4,5-Tetrachlorobenzene		1,001.1	µg/mL	+/-	5.8203	µg/mL	Gravimetric
	CAS # 95-94-3	(Lot MKCG5992)			+/-	11.9668	µg/mL	Unstressed
	Purity 99%				+/-	19.0450	µg/mL	Stressed
35	Hexachlorocyclopentadiene		1,001.6	µg/mL	+/-	5.8234	µg/mL	Gravimetric
	CAS # 77-47-4	(Lot 0012020)			+/-	11.9732	µg/mL	Unstressed
	Purity 99%				+/-	19.0551	µg/mL	Stressed
36	2,4,6-Trichlorophenol		1,001.8	µg/mL	+/-	5.8246	µg/mL	Gravimetric
	CAS # 88-06-2	(Lot STBJ5914)			+/-	11.9756	µg/mL	Unstressed
	Purity 99%				+/-	19.0590	µg/mL	Stressed
37	2,4,5-Trichlorophenol		1,001.4	µg/mL	+/-	5.8220	µg/mL	Gravimetric
	CAS # 95-95-4	(Lot FHN01)			+/-	11.9704	µg/mL	Unstressed
	Purity 98%				+/-	19.0507	µg/mL	Stressed
38	2-Chloronaphthalene		1,000.4	µg/mL	+/-	5.8164	µg/mL	Gravimetric
	CAS # 91-58-7	(Lot TWYRD)			+/-	11.9588	µg/mL	Unstressed
	Purity 99%				+/-	19.0323	µg/mL	Stressed
39	Biphenyl		1,001.5	µg/mL	+/-	5.8230	µg/mL	Gravimetric
	CAS # 92-52-4	(Lot MKCJ6240)			+/-	11.9724	µg/mL	Unstressed
	Purity 99%				+/-	19.0539	µg/mL	Stressed

40	2-Nitroaniline		1,001.1	µg/mL	+/-	5.8203	µg/mL	Gravimetric
	CAS # 88-74-4	(Lot MKCJ8895)			+/-	11.9668	µg/mL	Unstressed
	Purity 99%				+/-	19.0450	µg/mL	Stressed
41	Acenaphthylene		1,001.0	µg/mL	+/-	5.8197	µg/mL	Gravimetric
	CAS # 208-96-8	(Lot P06V)			+/-	11.9657	µg/mL	Unstressed
	Purity 98%				+/-	19.0432	µg/mL	Stressed
42	1,3-Dinitrobenzene		1,001.9	µg/mL	+/-	5.8249	µg/mL	Gravimetric
	CAS # 99-65-0	(Lot 1-DXX-24-1)			+/-	11.9764	µg/mL	Unstressed
	Purity 99%				+/-	19.0602	µg/mL	Stressed
43	Dimethylphthalate		1,002.8	µg/mL	+/-	5.8304	µg/mL	Gravimetric
	CAS # 131-11-3	(Lot 10117699)			+/-	11.9875	µg/mL	Unstressed
	Purity 99%				+/-	19.0780	µg/mL	Stressed
44	2,6-Dinitrotoluene		1,002.0	µg/mL	+/-	5.8257	µg/mL	Gravimetric
	CAS # 606-20-2	(Lot BCBB8606)			+/-	11.9780	µg/mL	Unstressed
	Purity 99%				+/-	19.0628	µg/mL	Stressed
45	3-Nitroaniline		1,000.1	µg/mL	+/-	5.8149	µg/mL	Gravimetric
	CAS # 99-09-2	(Lot MKCH5457)			+/-	11.9557	µg/mL	Unstressed
	Purity 99%				+/-	19.0272	µg/mL	Stressed
46	Acenaphthene		1,002.5	µg/mL	+/-	5.8288	µg/mL	Gravimetric
	CAS # 83-32-9	(Lot MKCN0610)			+/-	11.9843	µg/mL	Unstressed
	Purity 99%				+/-	19.0729	µg/mL	Stressed
47	2,4-Dinitrophenol		2,001.1	µg/mL	+/-	11.6344	µg/mL	Gravimetric
	CAS # 51-28-5	(Lot STBH7564)			+/-	23.9209	µg/mL	Unstressed
	Purity 99%				+/-	38.0697	µg/mL	Stressed
48	Dibenzofuran		1,000.1	µg/mL	+/-	5.8149	µg/mL	Gravimetric
	CAS # 132-64-9	(Lot MKCN1772)			+/-	11.9557	µg/mL	Unstressed
	Purity 99%				+/-	19.0272	µg/mL	Stressed
49	4-Nitrophenol		2,004.5	µg/mL	+/-	11.6545	µg/mL	Gravimetric
	CAS # 100-02-7	(Lot MKCF6111)			+/-	23.9623	µg/mL	Unstressed
	Purity 99%				+/-	38.1357	µg/mL	Stressed
50	2,4-Dinitrotoluene		1,002.0	µg/mL	+/-	5.8257	µg/mL	Gravimetric
	CAS # 121-14-2	(Lot MKAA0690V)			+/-	11.9780	µg/mL	Unstressed
	Purity 99%				+/-	19.0628	µg/mL	Stressed
51	2,3,4,6-Tetrachlorophenol		1,000.1	µg/mL	+/-	5.8149	µg/mL	Gravimetric
	CAS # 58-90-2	(Lot PR-30126)			+/-	11.9557	µg/mL	Unstressed
	Purity 99%				+/-	19.0272	µg/mL	Stressed
52	Fluorene		1,000.7	µg/mL	+/-	5.8180	µg/mL	Gravimetric
	CAS # 86-73-7	(Lot 094650L18G)			+/-	11.9620	µg/mL	Unstressed
	Purity 99%				+/-	19.0374	µg/mL	Stressed
53	n-Hexadecane (C16)		1,000.9	µg/mL	+/-	5.8191	µg/mL	Gravimetric
	CAS # 544-76-3	(Lot SHBL8588)			+/-	11.9644	µg/mL	Unstressed
	Purity 99%				+/-	19.0412	µg/mL	Stressed
54	Diethylphthalate		1,000.7	µg/mL	+/-	5.8183	µg/mL	Gravimetric
	CAS # 84-66-2	(Lot MKCD2547)			+/-	11.9628	µg/mL	Unstressed
	Purity 99%				+/-	19.0387	µg/mL	Stressed
55	4-Chlorophenyl phenyl ether		1,000.6	µg/mL	+/-	5.8176	µg/mL	Gravimetric
	CAS # 7005-72-3	(Lot MKCN1186)			+/-	11.9612	µg/mL	Unstressed
	Purity 99%				+/-	19.0361	µg/mL	Stressed

56	4-Nitroaniline		1,000.3	µg/mL	+/-	5.8160	µg/mL	Gravimetric
	CAS # 100-01-6	(Lot RP210713)			+/-	11.9580	µg/mL	Unstressed
	Purity 99%				+/-	19.0311	µg/mL	Stressed
57	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)		2,000.9	µg/mL	+/-	11.6336	µg/mL	Gravimetric
	CAS # 534-52-1	(Lot RP210716)			+/-	23.9193	µg/mL	Unstressed
	Purity 99%				+/-	38.0672	µg/mL	Stressed
58	Diphenylamine		852.9	µg/mL	+/-	4.9590	µg/mL	Gravimetric
	CAS # 122-39-4	(Lot MKBN8295V)			+/-	10.1960	µg/mL	Unstressed
	Purity 99%				+/-	16.2268	µg/mL	Stressed
59	Azobenzene		1,000.4	µg/mL	+/-	5.8164	µg/mL	Gravimetric
	CAS # 103-33-3	(Lot BCCC9136)			+/-	11.9588	µg/mL	Unstressed
	Purity 99%				+/-	19.0323	µg/mL	Stressed
60	4-Bromophenyl phenyl ether		1,000.4	µg/mL	+/-	5.8164	µg/mL	Gravimetric
	CAS # 101-55-3	(Lot STBB9729V)			+/-	11.9588	µg/mL	Unstressed
	Purity 99%				+/-	19.0323	µg/mL	Stressed
61	Hexachlorobenzene		1,000.1	µg/mL	+/-	5.8149	µg/mL	Gravimetric
	CAS # 118-74-1	(Lot SL210804)			+/-	11.9557	µg/mL	Unstressed
	Purity 99%				+/-	19.0272	µg/mL	Stressed
62	Pentachlorophenol		2,003.5	µg/mL	+/-	11.6487	µg/mL	Gravimetric
	CAS # 87-86-5	(Lot 210706RSR)			+/-	23.9504	µg/mL	Unstressed
	Purity 99%				+/-	38.1166	µg/mL	Stressed
63	n-Octadecane (C18)		1,000.7	µg/mL	+/-	5.8179	µg/mL	Gravimetric
	CAS # 593-45-3	(Lot VZKOJ)			+/-	11.9619	µg/mL	Unstressed
	Purity 97%				+/-	19.0371	µg/mL	Stressed
64	Phenanthrene		1,003.0	µg/mL	+/-	5.8315	µg/mL	Gravimetric
	CAS # 85-01-8	(Lot MKCL7390)			+/-	11.9899	µg/mL	Unstressed
	Purity 99%				+/-	19.0818	µg/mL	Stressed
65	Anthracene		1,002.5	µg/mL	+/-	5.8284	µg/mL	Gravimetric
	CAS # 120-12-7	(Lot MKCM0015)			+/-	11.9835	µg/mL	Unstressed
	Purity 99%				+/-	19.0716	µg/mL	Stressed
66	Carbazole		1,000.6	µg/mL	+/-	5.8176	µg/mL	Gravimetric
	CAS # 86-74-8	(Lot 10812100)			+/-	11.9612	µg/mL	Unstressed
	Purity 99%				+/-	19.0361	µg/mL	Stressed
67	Di-n-butylphthalate		1,000.4	µg/mL	+/-	5.8164	µg/mL	Gravimetric
	CAS # 84-74-2	(Lot MKCL9573)			+/-	11.9588	µg/mL	Unstressed
	Purity 99%				+/-	19.0323	µg/mL	Stressed
68	Fluoranthene		1,003.8	µg/mL	+/-	5.8362	µg/mL	Gravimetric
	CAS # 206-44-0	(Lot MKCF7378)			+/-	11.9995	µg/mL	Unstressed
	Purity 99%				+/-	19.0970	µg/mL	Stressed
69	Pyrene		1,001.1	µg/mL	+/-	5.8207	µg/mL	Gravimetric
	CAS # 129-00-0	(Lot BCCB9880)			+/-	11.9676	µg/mL	Unstressed
	Purity 99%				+/-	19.0463	µg/mL	Stressed
70	Benzyl butyl phthalate		1,001.2	µg/mL	+/-	5.8211	µg/mL	Gravimetric
	CAS # 85-68-7	(Lot MKCM1987)			+/-	11.9684	µg/mL	Unstressed
	Purity 99%				+/-	19.0475	µg/mL	Stressed
71	Benz(a)anthracene		1,002.4	µg/mL	+/-	5.8282	µg/mL	Gravimetric
	CAS # 56-55-3	(Lot RP210125)			+/-	11.9831	µg/mL	Unstressed
	Purity 96%				+/-	19.0710	µg/mL	Stressed

72	Chrysene		1,000.2	µg/mL	+/-	5.8152	µg/mL	Gravimetric
	CAS # 218-01-9	(Lot STBJ1016)			+/-	11.9565	µg/mL	Unstressed
	Purity 99%				+/-	19.0285	µg/mL	Stressed
73	Bis(2-ethylhexyl)phthalate		1,001.0	µg/mL	+/-	5.8199	µg/mL	Gravimetric
	CAS # 117-81-7	(Lot MKCJ1159)			+/-	11.9660	µg/mL	Unstressed
	Purity 99%				+/-	19.0437	µg/mL	Stressed
74	Di-n-octyl phthalate		1,001.5	µg/mL	+/-	5.8226	µg/mL	Gravimetric
	CAS # 117-84-0	(Lot 11651800)			+/-	11.9716	µg/mL	Unstressed
	Purity 99%				+/-	19.0526	µg/mL	Stressed
75	Benzo(b)fluoranthene		1,001.7	µg/mL	+/-	5.8238	µg/mL	Gravimetric
	CAS # 205-99-2	(Lot 012020B)			+/-	11.9740	µg/mL	Unstressed
	Purity 99%				+/-	19.0564	µg/mL	Stressed
76	Benzo(k)fluoranthene		1,004.0	µg/mL	+/-	5.8373	µg/mL	Gravimetric
	CAS # 207-08-9	(Lot 012019K)			+/-	12.0019	µg/mL	Unstressed
	Purity 99%				+/-	19.1008	µg/mL	Stressed
77	Benzo(a)pyrene		1,000.4	µg/mL	+/-	5.8164	µg/mL	Gravimetric
	CAS # 50-32-8	(Lot Z8BKF)			+/-	11.9588	µg/mL	Unstressed
	Purity 99%				+/-	19.0323	µg/mL	Stressed
78	Indeno(1,2,3-cd)pyrene		1,003.7	µg/mL	+/-	5.8358	µg/mL	Gravimetric
	CAS # 193-39-5	(Lot 1-RAK-33-4)			+/-	11.9987	µg/mL	Unstressed
	Purity 99%				+/-	19.0957	µg/mL	Stressed
79	Dibenz(a,h)anthracene		1,003.3	µg/mL	+/-	5.8335	µg/mL	Gravimetric
	CAS # 53-70-3	(Lot ER032211-01)			+/-	11.9939	µg/mL	Unstressed
	Purity 99%				+/-	19.0881	µg/mL	Stressed
80	Benzo(g,h,i)perylene		1,000.3	µg/mL	+/-	5.8156	µg/mL	Gravimetric
	CAS # 191-24-2	(Lot 8GFYJ)			+/-	11.9573	µg/mL	Unstressed
	Purity 99%				+/-	19.0298	µg/mL	Stressed
Solvent:	Methylene chloride							
	CAS # 75-09-2							
	Purity 99%							

Specific Reference Material Notes:

N-nitrosodiphenylamine 1000 ug/mL equivalent when used for GC analysis. Actual formulation is diphenylamine 855 ug/mL.
N-Nitrosodiphenylamine is prone to breakdown in the injection port and will be converted to diphenylamine.
N-Nitrosodiphenylamine is also a reactive species that can initiate premature decomposition of other compounds in the mix. For these reasons diphenylamine is used in the preparation of this mixture. When comparing the response of this compound to mixtures manufactured using N-nitrosodiphenylamine, a difference in response will be observed.
This lot was approved even though the %D for 4,6-DN-2-MP was greater than 10%.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

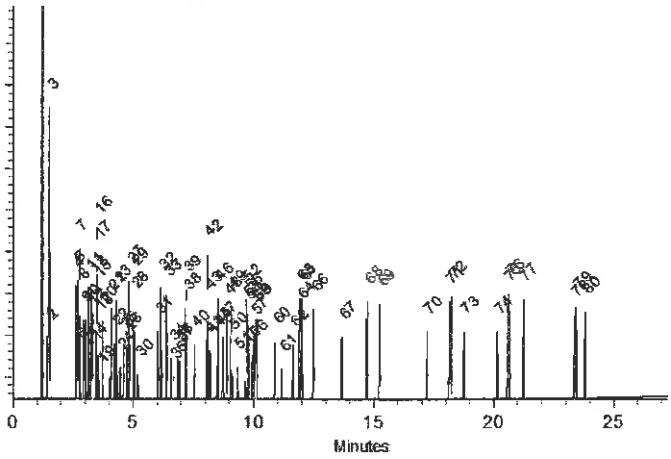
Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Cathleen Soltis - Mix Technician

Date Mixed: 03-Aug-2021 **Balance:** B442140311

John Lidgett - AD Chemist

Date Passed: 23-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270S#10_1stk_00016

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0164214

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2000 µg/mL, Methylene chloride, 5mL/ampul

2841490
ID 8270S#10_1stk_00016
Exp 03/31/22 Prpd JKM Opn 04/07/21
8270 List 1 / Std#10 (pn)

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2022 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)			
1	Indene **CAS #** 95-13-6 **Purity** 97%	(Lot MKBT8433V)	2,007.3 µg/mL	+/- 11.6706 +/- 112.5470 +/- 115.1804	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed
2	Benzoic acid **CAS #** 65-85-0 **Purity** 99%	(Lot MKCG6487)	2,000.6 µg/mL	+/- 11.6318 +/- 112.1731 +/- 114.7978	µg/mL µg/mL µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

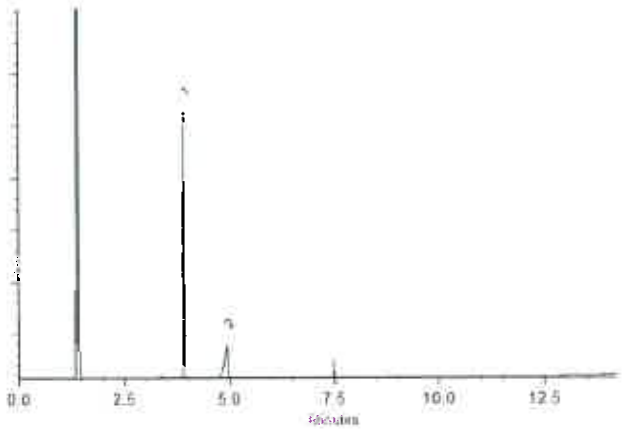
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 08-Sep-2020 **Balance:** 1128360905

Justine Albertson - Operations Tech-ARM QC

Date Passed: 10-Sep-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270S#10_1stk_00018

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569731 **Lot No.:** A0173787

Description : 8270 List 1 / Std #10

8270 List 1 / Std #10 2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : December 31, 2022 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Indene	2,011.6 µg/mL	+/- 11.6957	µg/mL	Gravimetric
	CAS # 95-13-6 (Lot DMKCB7043-1211)		+/- 112.7892	µg/mL	Unstressed
	Purity 98%		+/- 115.4283	µg/mL	Stressed
2	Benzoic acid	2,018.2 µg/mL	+/- 11.7340	µg/mL	Gravimetric
	CAS # 65-85-0 (Lot MKCG6487)		+/- 113.1585	µg/mL	Unstressed
	Purity 99%		+/- 115.8062	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

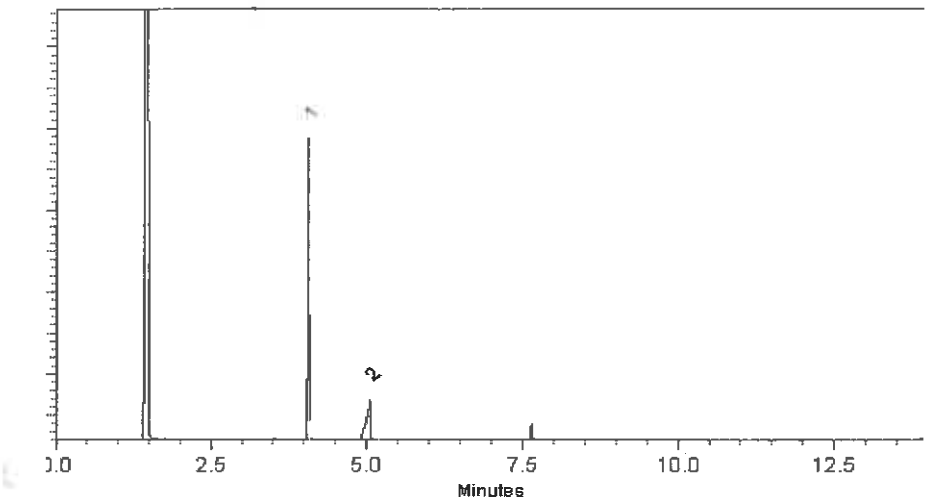
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 24-Jun-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 28-Jun-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270S#11_1stk_00011

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0164387

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : March 31, 2022 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzaldehyde **CAS #** 100-52-7 **Purity** 99%	(Lot SHBG8690V)	2,001.8 µg/mL	+/- 11.6383 µg/mL +/- 39.9656 µg/mL +/- 89.7049 µg/mL		Gravimetric Unstressed Stressed
2	epsilon-Caprolactam **CAS #** 105-60-2 **Purity** 99%	(Lot I16X016)	2,000.6 µg/mL	+/- 11.6316 µg/mL +/- 39.9423 µg/mL +/- 89.6527 µg/mL		Gravimetric Unstressed Stressed
3	Atrazine **CAS #** 1912-24-9 **Purity** 99%	(Lot PI8FG)	2,000.0 µg/mL	+/- 11.6282 µg/mL +/- 39.9306 µg/mL +/- 89.6265 µg/mL		Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

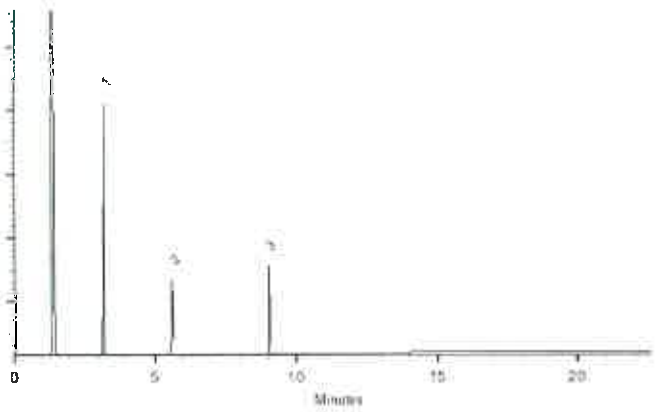
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 14-Sep-2020 **Balance:** 1128360905

Justine Albertson - Operations Tech-ARM QC

Date Passed: 17-Sep-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270S#11_1stk_00013

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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 569732 **Lot No.:** A0172244

Description : 8270 List 1 / Std #11

8270 List 1 / Std #11 2,000µg/mL, Methylene chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : November 30, 2022 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzaldehyde		2,015.7 µg/mL	+/- 11.7193	µg/mL	Gravimetric
	CAS # 100-52-7	(Lot RD210106)		+/- 40.2434	µg/mL	Unstressed
	Purity 99%			+/- 90.3286	µg/mL	Stressed
2	epsilon-Caprolactam		2,008.5 µg/mL	+/- 11.6776	µg/mL	Gravimetric
	CAS # 105-60-2	(Lot I16X016)		+/- 40.1003	µg/mL	Unstressed
	Purity 99%			+/- 90.0074	µg/mL	Stressed
3	Atrazine		2,008.5 µg/mL	+/- 11.6776	µg/mL	Gravimetric
	CAS # 1912-24-9	(Lot PI8FG)		+/- 40.1003	µg/mL	Unstressed
	Purity 99%			+/- 90.0074	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

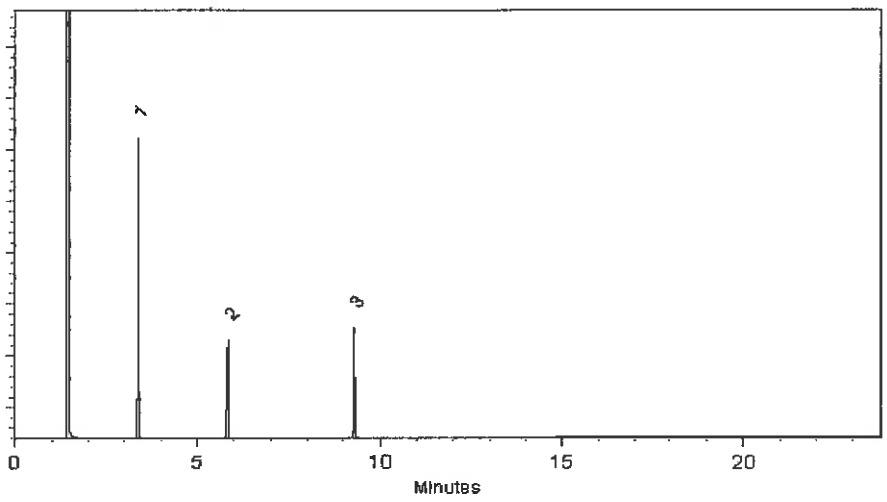
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 11-May-2021 **Balance:** 1128360905

Marlina Cowan - Operations Tech I

Date Passed: 12-May-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270S#9_1stk_00015

RESTEK
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Tel: (800)356-1688
Fax: (814)353-1309

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Catalog No. : 569730 **Lot No.:** A0167791

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2000 µg/mL, Methylene chloride, 5mL/ampul

ID: 8270S#9_1stk_00016
Exp 07/31/22 Prpd JKM Opn 06/15/21
8270 List 1 / Std#9 (prim

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2022 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)		
1	Benzidine	2,002.5 µg/mL	+/- 11.6427	µg/mL	Gravimetric
	CAS # 92-87-5 (Lot CYGNUSX3)		+/- 23.9380	µg/mL	Unstressed
	Purity 99%		+/- 38.0970	µg/mL	Stressed
2	3,3'-Dichlorobenzidine	2,006.5 µg/mL	+/- 11.6660	µg/mL	Gravimetric
	CAS # 91-94-1 (Lot 200824RSR)		+/- 23.9858	µg/mL	Unstressed
	Purity 99%		+/- 38.1731	µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

2841447
ID: 8270S#9_1stk_00016
Exp 07/31/22 Prpd JKM Opn 04/06/21
8270 List 1 / Std#9 (prim

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

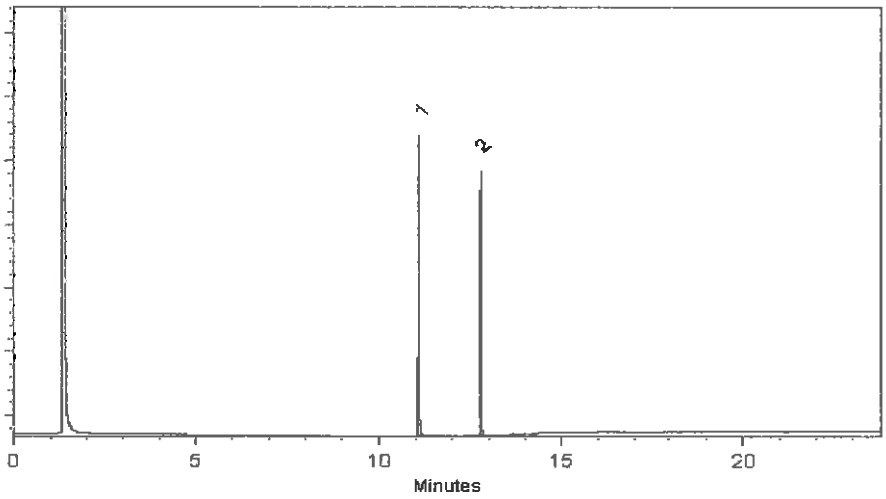
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Russ Bookhamer - Operations Technician I

Date Mixed: 05-Jan-2021 **Balance:** 1128360905

Alexis Shalow - Operations Tech I

Date Passed: 26-Feb-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270S#9_1stk_00017

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Catalog No. : 569730 **Lot No.:** A0175898

Description : 8270 List 1 / Std #9

8270 List 1 / Std #9 2000 µg/mL, Methylene chloride, 5mL/ampul

Container Size : 10 mL **Pkg Amt:** > 5 mL

Expiration Date : February 28, 2023 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine **CAS #** 92-87-5 (Lot 210716JLM) **Purity** 99%	2,005.0 µg/mL	+/- 11.6572 µg/mL +/- 23.9679 µg/mL +/- 38.1445 µg/mL	Gravimetric Unstressed Stressed
2	3,3'-Dichlorobenzidine **CAS #** 91-94-1 (Lot 210727RSR) **Purity** 99%	2,018.0 µg/mL	+/- 11.7328 µg/mL +/- 24.1233 µg/mL +/- 38.3919 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

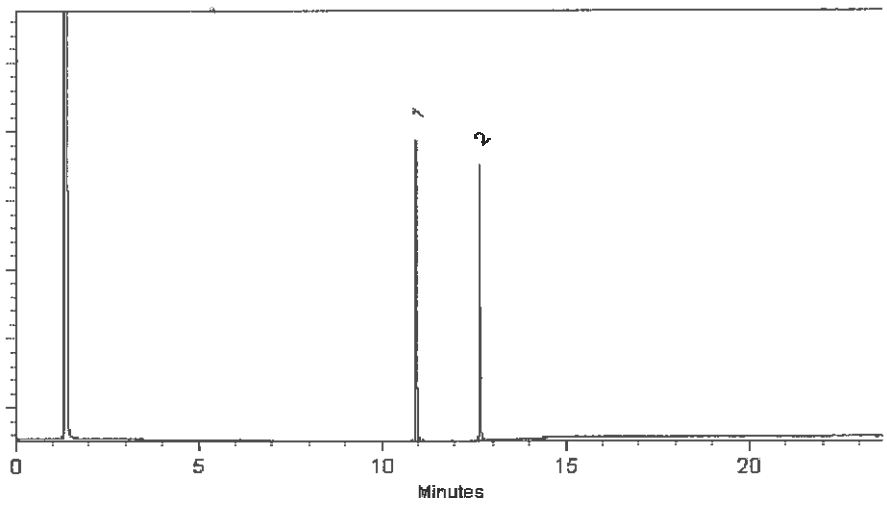
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 30-Aug-2021 **Balance:** 1128360905

Merline Cowan - Operations Tech I

Date Passed: 07-Sep-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
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Certified Uncertainty Value Notes:

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0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Reagent

8270Surr_Phen_00015

Certificate of Analysis

Produced by Phenova
2690 Loyalty Drive STE 101 Golden, CO 80403 USA ■ Tel: 303-940-0033 ■ Fax: 303-940-0043 ■ info@phenova.com
Access your Safety Data Sheets and digital Certificates at www.phenova.com/documents.

Certified Reference Material

This product is certified in accordance with Phenova's ISO 17034 accreditation and supported by Phenova's ISO/ICE 17025 chemical testing accreditation

Catalog Number: AL0-130371
Description: Revised BNA Surrogate Spike Mix
Storage: Refrigerate (4-10 °C)
Provided As: 25mL in 30mL Vial in Methanol

Lot Number: CL16338
Certification Date: January 21, 2021
Expiration Date: January 31, 2026

Andrea L Gill

Andrea Gill, Certified Reference Material Manager

Component	CAS Number	Certified Value (µg/mL)	Expanded Uncertainty
1,4-Dioxane-d8	17647-74-4	500	0.211%
Fluoranthene-d10	93951-69-0	100	0.120%
2-Fluorobiphenyl	321-60-8	100	0.232%
2-Fluorophenol	367-12-4	100	0.232%
2-Methylnaphthalene-d10	7297-45-2	100	0.122%
Nitrobenzene-d5	4165-60-0	100	0.232%
Phenol-d5	4165-62-2	100	0.232%
p-Terphenyl-d14	1718-51-0	100	0.232%
2,4,6-Tribromophenol	118-79-6	100	0.153%

ACCREDITED
Reference Material Producer
Certicate No. 2427.02

phenova Certified Reference Materials

Phenova is an accredited ISO/IEC 17034 Reference Material Producer and ISO/IEC 17025 accredited Chemical Testing Laboratory.

ACCREDITED
Chemical Testing Laboratory
Certicate No. 2427.03

Certificate of Analysis

Produced by Phenova
6390 Joyce Drive STE 100, Golden, CO 80403 USA • Tel: 303-940-0033 • Fax: 303-940-0043 • info@phenova.com
Access your Safety Data Sheets and digital Certificates at www.phenova.com/documents.

1. Quality Document: This Certificate of Analysis has been created in accordance with ISO Guide 31[1] and ISO Guide 35[2].

2. Quality Standards: Phenova is accredited by A2LA to ISO 17034[3] and ISO/IEC 17025[4] as a producer of Certified Reference Materials and Reference Materials. This ensures that our manufacturing processes have been accredited to and meet strict international standards.

3. Intended Use: This product is manufactured for calibration, calibration verification, quantification, identification and other appropriate analytical control applications. This product is provided for routine laboratory analysis and research purposes only. Only trained personnel should handle is product.

4. Handling and Usage Notes: Store according to the recommended conditions listed and avoid prolonged exposure to light. Visually inspect the solution inside the ampoule for any un-dissolved material. If particulate is visible, sonicate or heat the unopened ampoule until material is fully dissolved. Dilute as required, use only glass A glassware and diluents compatible with all certified analytes in the mixture. Considerations should be made related to repeated use of the opened product. Once opened, exposure to light, air, heat, objects and addition transfer vessels may cause evaporation, degradation or contamination resulting in changes in concentration, uncertainty, and stability duration. Store opened standards in a clean, tightly capped vessel under the recommended temperature. Appropriate controls, such as the use of additional verification standards should be used to confirm that the opened product is fit for purpose under repeated use conditions.

5. Hazardous Situation: The product is intended for use by experienced professional personnel. A Safety Data Sheet (SDS) is available at www.phenova.com/documents.

6. Level of Homogeneity: The product has been determined to be homogeneous to a minimum volume of the packaged amount.

7. Certified Value: Certified Value is based upon gravimetric and volumetric preparation using calibrated balances and Class A glassware.

8. Raw Materials and Purity: Phenova reference standard products are prepared from the highest quality starting materials. The purity of the materials used in this product were verified using ISO/IEC 17025 methodology.

9. Expanded Uncertainty: The expanded uncertainty (uRM) as stated is determined in accordance with ISO/IEC Guide 98[5] and ISO Guide 35 incorporating Type A standard uncertainty at a 95% confidence level. The uncertainty is calculated based on the element of manufacturing (uM) times a coverage factor (k=2).

   $uRM = k * uM$

10. Metrological Traceability: The property value (certified value and its uncertainty) is traceable through an unbroken chain of calibration to the SI base unit kg through a NIST traceable weight in accordance with ISO Guide 34. This is achieved through calibration of balances, verification of weights, and use of national methodology for glassware calibration utilizing and ISO/IEC 17025 methodology.

11. Period of Validity: The Certified Values, Uncertainties and Expiration Date are based on the unopened product being stored according to the recommended storage condition listed and are guaranteed until the Expiration Date. This product will be monitored during the period of validity and customers notified of any significant changes in stability.

References:

1. ISO Guide 31 – Reference Materials – Contents of Certificates and Labels.
2. ISO Guide 35 – Reference Materials – General and Statistical Principles for Certification.
3. ISO 17034 – General Requirements for the Competence of Reference Material Producers.
4. ISO/IEC 17025 – General Requirements for the Competence of Testing and Calibration Laboratories.
5. ISO/IEC Guide 98 – Uncertainty of Measurement – Part 3: Guide to Expression of Uncertainty in Measurement (GUM:1995)

Reagent

8270waterSurr_00118

Preliminary Report

Eurofins Seattle

Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC040\20220224-81467.b\40Scan022422a006.D
Lims ID: 8270watersurr_00118
Client ID:
Sample Type: Client
Inject. Date: 24-Feb-2022 15:42:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 20.0000
Sample Info: 8270watersurr_00118
Misc. Info.: 20X
Operator ID: tl Instrument ID: TAC040

Method: \\chromfs\Seattle\ChromData\TAC040\20220224-81467.b\8270TAC040.m
Limit Group: 8270D Standard
Last Update: 24-Feb-2022 16:18:50 Calib Date: 22-Nov-2021 16:19:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC040\20211122-80001.b\40Scan112221a014.D

Column 1 : Det: MS SCAN
Process Host: CTX1682

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.454	4.454	0.000	77	12371	100.0	
* 2 Naphthalene-d8	136	5.501	5.495	0.006	91	42983	100.0	
* 3 Acenaphthene-d10	164	6.942	6.925	0.017	80	19760	100.0	
* 4 Phenanthrene-d10	188	8.154	8.130	0.024	85	37497	100.0	
* 5 Chrysene-d12	240	10.318	10.289	0.029	84	34900	100.0	
* 6 Perylene-d12	264	11.724	11.695	0.029	86	34886	100.0	
$ 7 2-Fluorophenol	112	3.435	3.429	0.006	79	120664	1114.5	c
$ 8 Phenol-d5	99	4.260	4.254	0.006	97	108413	928.1	c
$ 9 Nitrobenzene-d5	82	4.919	4.924	0.000	78	81255	1040.2	c
$ 10 2-Fluorobiphenyl	172	6.395	6.395	0.006	98	270011	1056.1	M
$ 11 2,4,6-Tribromophenol	330	7.607	7.599	0.030	83	78191	980.8	c
$ 12 Terphenyl-d14	244	9.454	9.454	0.006	97	361515	1185.0	M
45 4-Chloro-3-methylphenol	107	6.060	6.055	0.012	4	302	18.8	9
82 2,3-Dichlorobenzenamine	161	8.489	8.498	0.012	1	129	NC	9ig

QC Flag Legend

Processing Flags
- NC - Not Calibrated
- 9 - Failed A Reference Spectral Test
- i - Failed Initial Calibration Limits
- c - Failed Continuing Calibration Limits
- g - Not in Limit Group or Failed to Calibrate

Review Flags
- M - Manually Integrated

Reagents:

MeCl2_CT_00216	Amount Added: 1.00	Units: mL	Run Reagent
8270SIM_IS_00069	Amount Added: 10.00	Units: uL	Run Reagent

Reagent

DFTPPSTK_00014

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
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Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

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Catalog No. : 31615 **Lot No.:** A0151587

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

2494939
ID: DFTPPSTK_00014
Exp:08/31/22 Prpd:ADB Opn:10/03/19
GC/MS Tuning Mixture Stoc

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2022 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin.

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)	
1	Pentachlorophenol	1,002.4 µg/mL	+/- 5.8826 µg/mL	Gravimetric
	CAS # 87-86-5 (Lot 190227CGKJ)		+/- 45.6585 µg/mL	Unstressed
	Purity 99%		+/- 65.9247 µg/mL	Stressed
2	DFTPP (Decafluorotriphenylphosphine)	1,008.8 µg/mL	+/- 5.9202 µg/mL	Gravimetric
	CAS # 5074-71-5 (Lot 10198748)		+/- 45.9501 µg/mL	Unstressed
	Purity 99%		+/- 66.3457 µg/mL	Stressed
3	Benzidine	1,000.8 µg/mL	+/- 5.8733 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 190409JACG)		+/- 45.5857 µg/mL	Unstressed
	Purity 99%		+/- 65.8195 µg/mL	Stressed
4	4,4'-DDT	1,010.0 µg/mL	+/- 5.9272 µg/mL	Gravimetric
	CAS # 50-29-3 (Lot S37912V)		+/- 46.0047 µg/mL	Unstressed
	Purity 99%		+/- 66.4246 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

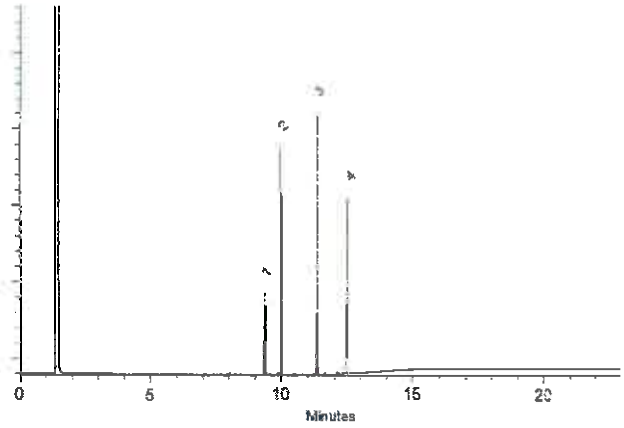
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Joseph Jaglowski - Mix Technician

Date Mixed: 06-Aug-2019 **Balance:** 1128360905

Justina Albertson - Operations Tech-ARM QC

Date Passed: 09-Aug-2019

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

8270E_DOD5

Semivolatile Organic Compounds (GC/MS)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-SV ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2FP #	PHL #	NBZ #	FBP #	TBP #	TPHL #
ERH2673 (RHMW07)	580-110975-1	53	33	82	67	105	115
ERH2648 (RHMW08)	580-110975-2	46	29	82	61	92	117
ERH2649 (OWDFMW07A)	580-110975-3	46	29	73	67	88	117
ERH2650 (OWDFMW08A)	580-110975-4	51	29	85	83	82	113
ERH2651 (OWDFMW08A FD)	580-110975-5	43	23	63	79	71	112
ERH2652 (RHMW14-3)	580-110975-6	45	23	63	70	82	106
ERH2653 (RHMW16)	580-110975-7	39	22	58	54	66	88
ERH2654 (RHMW12A)	580-110975-8	38	23	65	60	75	102
ERH2655 (RHMW04)	580-110975-9	44	27	73	72	69	109
	MB 580-383033/1-A	59 M	39 M	70	64	79	103
	LCS 580-383033/2-A	55 M	33	72	67	100	104
	LCSD 580-383033/3-A	46	37 M	63	64	101	115

	QC LIMITS
2FP = 2-Fluorophenol (Surr)	19-119
PHL = Phenol-d5 (Surr)	10-120
NBZ = Nitrobenzene-d5 (Surr)	44-120
FBP = 2-Fluorobiphenyl	44-119
TBP = 2,4,6-Tribromophenol (Surr)	43-140
TPHL = Terphenyl-d14	50-134

Column to be used to flag recovery values

FORM II 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30722A21.D

Lab ID: LCS 580-383033/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2.00	1.35	67	29-116	
1,2-Dichlorobenzene	2.00	1.45	73	32-111	
1,3-Dichlorobenzene	2.00	1.57	78	28-110	
1,4-Dichlorobenzene	2.00	1.47	74	29-112	
2,4,5-Trichlorophenol	2.00	1.61	80	53-123	
2,4,6-Trichlorophenol	2.00	1.63	82	50-125	
2,4-Dichlorophenol	2.00	1.50	75	47-121	
2,4-Dimethylphenol	2.00	1.75 J	88	31-124	
2,4-Dinitrophenol	4.00	2.60 J	65	23-143	M
2,4-Dinitrotoluene	2.00	1.84	92	57-128	
2,6-Dinitrotoluene	2.00	1.66	83	57-124	
2-Chloronaphthalene	2.00	1.45	73	40-116	
2-Chlorophenol	2.00	1.68	84	38-117	
2-Nitrophenol	2.00	1.60	80	47-123	
3,3'-Dichlorobenzidine	4.00	3.89	97	27-129	
4,6-Dinitro-2-methylphenol	4.00	2.82	70	44-137	
4-Bromophenyl phenyl ether	2.00	1.75	87	55-124	
4-Chloro-3-methylphenol	2.00	1.64	82	52-119	
4-Chlorophenyl phenyl ether	2.00	1.67	83	53-121	
Azobenzene	2.00	1.65 J	83	61-116	
Bis(2-chloroethoxy)methane	2.00	1.64	82	48-120	
Bis(2-chloroethyl)ether	2.00	1.57	78	43-118	
Bis(2-ethylhexyl) phthalate	2.00	2.18 J	109	55-135	
Butyl benzyl phthalate	2.00	1.87 J	94	53-134	
Diethyl phthalate	2.00	1.84	92	56-125	
Dimethyl phthalate	2.00	1.91	95	45-127	
Di-n-butyl phthalate	2.00	1.84 J	92	59-127	
Di-n-octyl phthalate	2.00	1.97	98	51-140	
Hexachlorobenzene	2.00	1.88	94	53-125	
Hexachlorobutadiene	2.00	1.39	69	22-124	
Hexachlorocyclopentadiene	2.00	1.09	55	20-125	
Hexachloroethane	2.00	1.43	72	21-115	
Isophorone	2.00	1.72	86	42-124	
m+p-Cresol	2.00	1.36	68	29-110	
Nitrobenzene	2.00	1.65	83	45-121	
N-Nitrosodimethylamine	2.00	1.12 J	56	45-125	
N-Nitrosodi-n-propylamine	2.00	1.63	81	49-119	
N-Nitrosodiphenylamine	2.00	1.84	92	51-123	
o-Cresol	2.00	1.58	79	30-117	
Pentachlorophenol	4.00	2.73 J	68	35-138	
Phenol	2.00	0.911 J	46	13-120	M
Pyrene	2.00	1.68	84	57-126	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30722A21.D

Lab ID: LCS 580-383033/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
Pyridine	4.00	3.2 U	26	20-125	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 31822A10.D

Lab ID: LCS 580-383033/2-A RA Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
4-Nitrophenol	4.00	2.45 J	61	35-145	
bis (2-chloroisopropyl) ether	2.00	1.47	74	37-130	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30722A22.D

Lab ID: LCSD 580-383033/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1,2,4-Trichlorobenzene	2.00	0.944	47	35	20	29-116	Q
1,2-Dichlorobenzene	2.00	0.936	47	43	20	32-111	Q
1,3-Dichlorobenzene	2.00	0.924	46	52	20	28-110	Q
1,4-Dichlorobenzene	2.00	0.881	44	50	20	29-112	Q
2,4,5-Trichlorophenol	2.00	1.35	67	18	20	53-123	
2,4,6-Trichlorophenol	2.00	1.46	73	11	20	50-125	
2,4-Dichlorophenol	2.00	1.42	71	5	20	47-121	
2,4-Dimethylphenol	2.00	1.43 J	72	20	20	31-124	
2,4-Dinitrophenol	4.00	2.47 J	62	5	20	23-143	M
2,4-Dinitrotoluene	2.00	1.76	88	5	20	57-128	
2,6-Dinitrotoluene	2.00	1.49	75	10	20	57-124	
2-Chloronaphthalene	2.00	1.20	60	19	20	40-116	
2-Chlorophenol	2.00	1.46	73	14	20	38-117	
2-Nitrophenol	2.00	1.45	72	10	20	47-123	
3,3'-Dichlorobenzidine	4.00	4.22	105	8	20	27-129	
4,6-Dinitro-2-methylphenol	4.00	2.99	75	6	20	44-137	
4-Bromophenyl phenyl ether	2.00	1.80	90	3	20	55-124	
4-Chloro-3-methylphenol	2.00	1.53	77	6	20	52-119	
4-Chlorophenyl phenyl ether	2.00	1.38	69	19	20	53-121	
Azobenzene	2.00	1.61 J	80	3	20	61-116	
Bis(2-chloroethoxy)methane	2.00	1.37	68	18	20	48-120	
Bis(2-chloroethyl)ether	2.00	1.28	64	20	20	43-118	
Bis(2-ethylhexyl) phthalate	2.00	2.33 J	116	7	20	55-135	
Butyl benzyl phthalate	2.00	2.07 J	103	10	20	53-134	
Diethyl phthalate	2.00	1.80	90	2	20	56-125	
Dimethyl phthalate	2.00	1.70	85	12	20	45-127	
Di-n-butyl phthalate	2.00	2.04 J	102	10	20	59-127	
Di-n-octyl phthalate	2.00	2.07	104	5	20	51-140	
Hexachlorobenzene	2.00	1.92	96	2	20	53-125	
Hexachlorobutadiene	2.00	0.741 J	37	61	20	22-124	Q
Hexachlorocyclopentadiene	2.00	0.575 J	29	62	20	20-125	Q
Hexachloroethane	2.00	0.740 J	37	64	20	21-115	Q
Isophorone	2.00	1.41	70	20	20	42-124	
m+p-Cresol	2.00	1.19	59	13	20	29-110	
Nitrobenzene	2.00	1.39	69	18	20	45-121	
N-Nitrosodimethylamine	2.00	1.01 J	50	11	20	45-125	
N-Nitrosodi-n-propylamine	2.00	1.38	69	16	20	49-119	
N-Nitrosodiphenylamine	2.00	1.86	93	1	20	51-123	
o-Cresol	2.00	1.29	65	20	20	30-117	
Pentachlorophenol	4.00	2.79 J	70	2	20	35-138	
Phenol	2.00	0.819 J	41	11	20	13-120	M
Pyrene	2.00	1.75	88	4	20	57-126	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 30722A22.D

Lab ID: LCSD 580-383033/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
Pyridine	4.00	1.15 J	29	11	20	20-125	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: 31822A11.D

Lab ID: LCSD 580-383033/3-A RA Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
4-Nitrophenol	4.00	2.65 J	66	8	20	35-145	
bis (2-chloroisopropyl) ether	2.00	1.41	71	4	20	37-130	

Column to be used to flag recovery and RPD values

FORM III 8270E

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab File ID: 30722A20.D Lab Sample ID: MB 580-383033/1-A

Matrix: Water Date Extracted: 03/07/2022 09:32

Instrument ID: TAC051 Date Analyzed: 03/07/2022 17:38

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-383033/2-A	30722A21.D	03/07/2022 18:01
	LCSD 580-383033/3-A	30722A22.D	03/07/2022 18:24
ERH2673 (RHMW07)	580-110975-1	30822A06.D	03/08/2022 12:03
ERH2648 (RHMW08)	580-110975-2	30822A07.D	03/08/2022 12:26
ERH2649 (OWDFMW07A)	580-110975-3	30822A08.D	03/08/2022 12:49
ERH2650 (OWDFMW08A)	580-110975-4	30822A09.D	03/08/2022 13:12
ERH2651 (OWDFMW08A FD)	580-110975-5	30822A10.D	03/08/2022 13:35
ERH2652 (RHMW14-3)	580-110975-6	30822A11.D	03/08/2022 13:58
ERH2653 (RHMW16)	580-110975-7	30822A12.D	03/08/2022 14:21
ERH2654 (RHMW12A)	580-110975-8	30822A13.D	03/08/2022 14:45
ERH2655 (RHMW04)	580-110975-9	30822A14.D	03/08/2022 15:08

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab File ID: 31822A07.D Lab Sample ID: MB 580-383033/1-A

Matrix: Water Date Extracted: 03/07/2022 09:32

Instrument ID: TAC051 Date Analyzed: 03/18/2022 11:46

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-383033/2-A RA	31822A10.D	03/18/2022 12:56
	LCSD 580-383033/3-A RA	31822A11.D	03/18/2022 13:19
ERH2673 (RHMW07) RA	580-110975-1 RA	31822A14.D	03/18/2022 14:30
ERH2648 (RHMW08) RA	580-110975-2 RA	31822A15.D	03/18/2022 14:53
ERH2649 (OWDFMW07A) RA	580-110975-3 RA	31822A16.D	03/18/2022 15:16
ERH2650 (OWDFMW08A) RA	580-110975-4 RA	31822A17.D	03/18/2022 15:40
ERH2651 (OWDFMW08A FD) RA	580-110975-5 RA	31822A18Z.D	03/18/2022 16:03
ERH2652 (RHMW14-3) RA	580-110975-6 RA	31822A19.D	03/18/2022 16:27
ERH2653 (RHMW16) RA	580-110975-7 RA	31822A20.D	03/18/2022 16:50
ERH2654 (RHMW12A) RA	580-110975-8 RA	31822A21.D	03/18/2022 17:13
ERH2655 (RHMW04) RA	580-110975-9 RA	31822A22.D	03/18/2022 17:37

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab File ID: 0124A08_.D DFTPP Injection Date: 01/24/2022

Instrument ID: TAC051 DFTPP Injection Time: 16:16

Analysis Batch No.: 379142

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2.0 % of mass 69	0.0	(0.0) 1
69	Mass 69 relative abundance	31.5	
70	Less than 2.0 % of mass 69	0.2	(0.6) 1
197	Less than 2.0 % of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	6.9	
365	Greater than 1.0 % of mass 198	4.4	
441	Present but less than mass 443	15.3	
442	Greater than 50.0 % of mass 198	99.0	
443	15.0 - 24.0 % of mass 442	19.7	(19.9) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD10 580-379142/4	0124A10_.D	01/24/2022	17:04
	STD9 580-379142/5	0124A11_.D	01/24/2022	17:28
	STD8 580-379142/6	0124A12_.D	01/24/2022	17:51
	STD7IS 580-379142/7	0124A13_.D	01/24/2022	18:14
	STD6 580-379142/8	0124A14_.D	01/24/2022	18:37
	STD5 580-379142/9	0124A15_.D	01/24/2022	19:00
	STD4 580-379142/10	0124A16_.D	01/24/2022	19:23
	STD3 580-379142/11	0124A17_.D	01/24/2022	19:45
	STD2 580-379142/12	0124A18_.D	01/24/2022	20:08
	STD1 580-379142/13	0124A19_.D	01/24/2022	20:31
	ICV 580-379142/15	0124A21_.D	01/24/2022	21:17

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab File ID: 30722A03.D DFTPP Injection Date: 03/07/2022

Instrument ID: TAC051 DFTPP Injection Time: 10:41

Analysis Batch No.: 383057

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0 % of mass 69	0.2 (0.6) 1
69	Mass 69 relative abundance	29.4
70	Less than 2.0 % of mass 69	0.2 (0.7) 1
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	6.9
365	Greater than 1.0 % of mass 198	5.4
441	Present but less than mass 443	15.6
442	Greater than 50.0 % of mass 198	107.0
443	15.0 - 24.0 % of mass 442	20.8 (19.5) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-383057/3	30722A04.D	03/07/2022	11:12
	CCVL 580-383057/4	30722A05.D	03/07/2022	11:35
	MB 580-383033/1-A	30722A20.D	03/07/2022	17:38
	LCS 580-383033/2-A	30722A21.D	03/07/2022	18:01
	LCSD 580-383033/3-A	30722A22.D	03/07/2022	18:24
	CCVC 580-383057/27	30722A27.D	03/07/2022	20:20

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab File ID: 30822A03.D DFTPP Injection Date: 03/08/2022

Instrument ID: TAC051 DFTPP Injection Time: 10:30

Analysis Batch No.: 383156

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
68	Less than 2.0 % of mass 69	0.0	(0.0) 1
69	Mass 69 relative abundance	29.1	
70	Less than 2.0 % of mass 69	0.2	(0.5) 1
197	Less than 2.0 % of mass 198	0.2	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	6.6	
365	Greater than 1.0 % of mass 198	5.8	
441	Present but less than mass 443	17.9	
442	Greater than 50.0 % of mass 198	117.8	
443	15.0 - 24.0 % of mass 442	23.8	(20.2) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-383156/3	30822A04.D	03/08/2022	10:54
	CCVL 580-383156/4	30822A05.D	03/08/2022	11:18
ERH2673 (RHMW07)	580-110975-1	30822A06.D	03/08/2022	12:03
ERH2648 (RHMW08)	580-110975-2	30822A07.D	03/08/2022	12:26
ERH2649 (OWDFMW07A)	580-110975-3	30822A08.D	03/08/2022	12:49
ERH2650 (OWDFMW08A)	580-110975-4	30822A09.D	03/08/2022	13:12
ERH2651 (OWDFMW08A FD)	580-110975-5	30822A10.D	03/08/2022	13:35
ERH2652 (RHMW14-3)	580-110975-6	30822A11.D	03/08/2022	13:58
ERH2653 (RHMW16)	580-110975-7	30822A12.D	03/08/2022	14:21
ERH2654 (RHMW12A)	580-110975-8	30822A13.D	03/08/2022	14:45
ERH2655 (RHMW04)	580-110975-9	30822A14.D	03/08/2022	15:08
	CCVC 580-383156/15	30822A15.D	03/08/2022	17:13

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab File ID: 31822A03.D DFTPP Injection Date: 03/18/2022

Instrument ID: TAC051 DFTPP Injection Time: 09:59

Analysis Batch No.: 384307

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0 % of mass 69	0.6 (2.0) 1
69	Mass 69 relative abundance	29.5
70	Less than 2.0 % of mass 69	0.1 (0.4) 1
197	Less than 2.0 % of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 - 9.0 % of mass 198	7.0
365	Greater than 1.0 % of mass 198	5.3
441	Present but less than mass 443	17.1
442	Greater than 50.0 % of mass 198	110.3
443	15.0 - 24.0 % of mass 442	21.1 (19.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-384307/3	31822A04.D	03/18/2022	10:27
	MB 580-383033/1-A RA	31822A07.D	03/18/2022	11:46
	LCS 580-383033/2-A RA	31822A10.D	03/18/2022	12:56
	LCSD 580-383033/3-A RA	31822A11.D	03/18/2022	13:19
ERH2673 (RHMW07) RA	580-110975-1 RA	31822A14.D	03/18/2022	14:30
ERH2648 (RHMW08) RA	580-110975-2 RA	31822A15.D	03/18/2022	14:53
ERH2649 (OWDFMW07A) RA	580-110975-3 RA	31822A16.D	03/18/2022	15:16
ERH2650 (OWDFMW08A) RA	580-110975-4 RA	31822A17.D	03/18/2022	15:40
ERH2651 (OWDFMW08A FD) RA	580-110975-5 RA	31822A18Z.D	03/18/2022	16:03
ERH2652 (RHMW14-3) RA	580-110975-6 RA	31822A19.D	03/18/2022	16:27
ERH2653 (RHMW16) RA	580-110975-7 RA	31822A20.D	03/18/2022	16:50
ERH2654 (RHMW12A) RA	580-110975-8 RA	31822A21.D	03/18/2022	17:13
ERH2655 (RHMW04) RA	580-110975-9 RA	31822A22.D	03/18/2022	17:37
	CCVC 580-384307/22	31822A23.D	03/18/2022	18:00

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Sample No.: STD7IS 580-379142/7 Date Analyzed: 01/24/2022 18:14

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 0124A13_.D Heated Purge: (Y/N) N

Calibration ID: 31978

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		32770	4.49	118298	5.50	65313	6.93
UPPER LIMIT		65540	4.99	236596	6.00	130626	7.43
LOWER LIMIT		16385	3.99	59149	5.00	32657	6.43
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 580-379142/15		29129	4.49	96485	5.50	53811	6.93

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Sample No.: STD7IS 580-379142/7 Date Analyzed: 01/24/2022 18:14

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 0124A13_.D Heated Purge: (Y/N) N

Calibration ID: 31978

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
INITIAL CALIBRATION MID-POINT		94680	8.14	77460	10.33	82562	11.86
UPPER LIMIT		189360	8.64	154920	10.83	165124	12.36
LOWER LIMIT		47340	7.64	38730	9.83	41281	11.36
LAB SAMPLE ID	CLIENT SAMPLE ID						
ICV 580-379142/15		77974	8.14	68776	10.33	75719	11.86

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Sample No.: CCVIS 580-383057/3 Date Analyzed: 03/07/2022 11:12

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 30722A04.D Heated Purge: (Y/N) N

Calibration ID: 31978

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		16910	4.47	62620	5.48	37220	6.91
UPPER LIMIT		33820	4.97	125240	5.98	74440	7.41
LOWER LIMIT		8455	3.97	31310	4.98	18610	6.41
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVL 580-383057/4		18292	4.46	67508	5.48	36159	6.90
MB 580-383033/1-A		14408	4.46	62928	5.48	33327	6.90
LCS 580-383033/2-A		15825	4.46	66755	5.48	35389	6.90
LCSD 580-383033/3-A		18400	4.47	70192	5.48	37199	6.91
CCVC 580-383057/27		16633	4.47	63367	5.48	36626	6.90

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Sample No.: CCVIS 580-383057/3 Date Analyzed: 03/07/2022 11:12

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 30722A04.D Heated Purge: (Y/N) N

Calibration ID: 31978

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		57564	8.12	51764	10.32	57452	11.85
UPPER LIMIT		115128	8.62	103528	10.82	114904	12.35
LOWER LIMIT		28782	7.62	25882	9.82	28726	11.35
LAB SAMPLE ID	CLIENT SAMPLE ID						
CCVL 580-383057/4		58170	8.12	47548	10.32	55220	11.85
MB 580-383033/1-A		57864	8.12	47242	10.32	59616	11.85
LCS 580-383033/2-A		56113	8.12	49692	10.32	62871	11.85
LCSD 580-383033/3-A		54931	8.12	46865	10.32	61529	11.84
CCVC 580-383057/27		52268	8.12	46604	10.32	58518	11.85

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Sample No.: CCVIS 580-383156/3 Date Analyzed: 03/08/2022 10:54

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 30822A04.D Heated Purge: (Y/N) N

Calibration ID: 31978

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		18872	4.47	62233	5.48	35873	6.91
UPPER LIMIT		37744	4.97	124466	5.98	71746	7.41
LOWER LIMIT		9436	3.97	31117	4.98	17937	6.41
LAB SAMPLE ID	CLIENT SAMPLE ID						
580-110975-1	ERH2673 (RHMW07)	14354	4.47	56273	5.48	33442	6.91
580-110975-2	ERH2648 (RHMW08)	15049	4.46	55401	5.48	32695	6.91
580-110975-3	ERH2649 (OWDFMW07A)	16342	4.47	61326	5.48	32635	6.91
580-110975-4	ERH2650 (OWDFMW08A)	14925	4.46	52988	5.48	28368	6.90
580-110975-5	ERH2651 (OWDFMW08A FD)	16816	4.47	61580	5.48	26050	6.90
580-110975-6	ERH2652 (RHMW14-3)	15542	4.47	59664	5.48	27478	6.91
580-110975-7	ERH2653 (RHMW16)	15016	4.47	56508	5.48	31123	6.91
580-110975-8	ERH2654 (RHMW12A)	17274	4.47	59024	5.48	30397	6.91
580-110975-9	ERH2655 (RHMW04)	14453	4.47	56827	5.48	28724	6.91
CCVC 580-383156/15		17708	4.46	65025	5.48	37008	6.91

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Sample No.: CCVIS 580-383156/3 Date Analyzed: 03/08/2022 10:54

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 30822A04.D Heated Purge: (Y/N) N

Calibration ID: 31978

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		61139	8.12	52533	10.32	56670	11.85
UPPER LIMIT		122278	8.62	105066	10.82	113340	12.35
LOWER LIMIT		30570	7.62	26267	9.82	28335	11.35
LAB SAMPLE ID	CLIENT SAMPLE ID						
580-110975-1	ERH2673 (RHMW07)	49612	8.12	35859	10.32	38110	11.86
580-110975-2	ERH2648 (RHMW08)	49467	8.12	41899	10.32	54812	11.85
580-110975-3	ERH2649 (OWDFMW07A)	52529	8.12	47100	10.32	57980	11.85
580-110975-4	ERH2650 (OWDFMW08A)	49694	8.12	43696	10.32	57899	11.85
580-110975-5	ERH2651 (OWDFMW08A FD)	48399	8.12	41268	10.32	55442	11.85
580-110975-6	ERH2652 (RHMW14-3)	51115	8.12	39636	10.32	55675	11.85
580-110975-7	ERH2653 (RHMW16)	56866	8.13	41086	10.32	55637	11.85
580-110975-8	ERH2654 (RHMW12A)	50331	8.12	46149	10.32	55414	11.85
580-110975-9	ERH2655 (RHMW04)	51409	8.13	44824	10.33	55945	11.85
CCVC 580-383156/15		56114	8.12	53256	10.33	63514	11.85

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Sample No.: CCVIS 580-384307/3 Date Analyzed: 03/18/2022 10:27

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 31822A04.D Heated Purge: (Y/N) N

Calibration ID: 31978

		DCBd4		NPT		ANT	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		35325	4.45	130325	5.47	68005	6.90
UPPER LIMIT		70650	4.95	260650	5.97	136010	7.40
LOWER LIMIT		17663	3.95	65163	4.97	34003	6.40
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-383033/1-A RA		28804	4.45	125872	5.47	53722	6.90
LCS 580-383033/2-A RA		33414	4.45	124453	5.47	65944	6.89
LCSD 580-383033/3-A RA		33319	4.45	125552	5.47	66839	6.89
580-110975-1 RA	ERH2673 (RHMW07) RA	34808	4.45	123819	5.47	72018	6.89
580-110975-2 RA	ERH2648 (RHMW08) RA	32838	4.46	127780	5.47	61439	6.89
580-110975-3 RA	ERH2649 (OWDFMW07A) RA	33916	4.45	121836	5.47	64764	6.90
580-110975-4 RA	ERH2650 (OWDFMW08A) RA	33556	4.45	117839	5.47	60156	6.90
580-110975-5 RA	ERH2651 (OWDFMW08A FD) RA	37888	4.46	116539	5.47	62465	6.90
580-110975-6 RA	ERH2652 (RHMW14-3) RA	32247	4.46	127114	5.47	62680	6.89
580-110975-7 RA	ERH2653 (RHMW16) RA	29786	4.46	122914	5.47	56955	6.90
580-110975-8 RA	ERH2654 (RHMW12A) RA	36607	4.46	123339	5.47	59077	6.90
580-110975-9 RA	ERH2655 (RHMW04) RA	35274	4.46	130696	5.47	66317	6.89
CCVC 580-384307/22		35576	4.45	138343	5.47	75151	6.89

DCBd4 = 1,4-Dichlorobenzene-d4
NPT = Naphthalene-d8
ANT = Acenaphthene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Sample No.: CCVIS 580-384307/3 Date Analyzed: 03/18/2022 10:27

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): 31822A04.D Heated Purge: (Y/N) N

Calibration ID: 31978

		PHN		CRY		PRY	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		105144	8.11	94422	10.31	101230	11.83
UPPER LIMIT		210288	8.61	188844	10.81	202460	12.33
LOWER LIMIT		52572	7.61	47211	9.81	50615	11.33
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-383033/1-A RA		100267	8.11	67068	10.31	84912	11.83
LCS 580-383033/2-A RA		111099	8.11	81554	10.31	92882	11.83
LCSD 580-383033/3-A RA		101474	8.11	82447	10.31	102004	11.83
580-110975-1 RA	ERH2673 (RHMW07) RA	110826	8.11	81875	10.31	68966	11.83
580-110975-2 RA	ERH2648 (RHMW08) RA	103902	8.11	89196	10.31	103318	11.83
580-110975-3 RA	ERH2649 (OWDFMW07A) RA	104047	8.11	77996	10.31	102401	11.84
580-110975-4 RA	ERH2650 (OWDFMW08A) RA	107172	8.11	82402	10.31	88613	11.83
580-110975-5 RA	ERH2651 (OWDFMW08A FD) RA	106729	8.11	83035	10.31	103118	11.84
580-110975-6 RA	ERH2652 (RHMW14-3) RA	105450	8.11	82502	10.31	101630	11.83
580-110975-7 RA	ERH2653 (RHMW16) RA	100309	8.11	78323	10.31	100018	11.84
580-110975-8 RA	ERH2654 (RHMW12A) RA	102000	8.11	81880	10.31	98822	11.83
580-110975-9 RA	ERH2655 (RHMW04) RA	108539	8.11	89973	10.31	106303	11.84
CCVC 580-384307/22		118974	8.11	101957	10.31	105919	11.83

PHN = Phenanthrene-d10
CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2673 (RHMW07) | Lab Sample ID: 580-110975-1

Matrix: Water | Lab File ID: 30822A06.D

Analysis Method: 8270E | Date Collected: 03/01/2022 08:55

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 994.4(mL) | Date Analyzed: 03/08/2022 12:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.30	0.091
95-50-1	1,2-Dichlorobenzene	0.15	U Q	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
106-46-7	1,4-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U M	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U M	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U M	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.091	U	0.10	0.091	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.29	J	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.091	U	0.60	0.091	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U	0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2673 (RHMW07) | Lab Sample ID: 580-110975-1

Matrix: Water | Lab File ID: 30822A06.D

Analysis Method: 8270E | Date Collected: 03/01/2022 08:55

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 994.4(mL) | Date Analyzed: 03/08/2022 12:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	0.091	U	1.0	0.091	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.091	U	0.40	0.091	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U M	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U M	1.0	0.60	0.36
129-00-0	Pyrene	0.091	U	1.0	0.091	0.040
110-86-1	Pyridine	3.2	U	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	105		43-140
321-60-8	2-Fluorobiphenyl	67		44-119
367-12-4	2-Fluorophenol (Surr)	53		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	82		44-120
4165-62-2	Phenol-d5 (Surr)	33		10-120
1718-51-0	Terphenyl-d14	115		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A06.D
Lims ID: 580-110975-B-1-A
Client ID: ERH6573 (RHMW07)
Sample Type: Client
Inject. Date: 08-Mar-2022 12:03:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-b-1-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:18:37 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:18:37

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.468	4.466	0.002	64	14354	100.0	
* 2 Naphthalene-d8	136	5.478	5.481	-0.003	88	56273	100.0	
* 3 Acenaphthene-d10	164	6.909	6.907	0.002	80	33442	100.0	
* 4 Phenanthrene-d10	188	8.122	8.120	0.002	91	49612	100.0	
* 5 Chrysene-d12	240	10.323	10.321	0.003	86	35859	100.0	
* 6 Perylene-d12	264	11.856	11.848	0.008	81	38110	100.0	
$ 7 2-Fluorophenol	112	3.512	3.504	0.008	84	70390	530.4	
$ 8 Phenol-d5	99	4.265	4.257	0.008	79	49026	330.5	
$ 9 Nitrobenzene-d5	82	4.906	4.909	-0.003	90	110140	822.3	
$ 10 2-methylnaphthalene-d10	152	6.033	6.031	0.002	0	227832	NC	
$ 11 2-Fluorobiphenyl	172	6.364	6.367	-0.003	98	298031	670.2	
$ 12 2,4,6-Tribromophenol	330	7.566	7.564	0.002	76	70885	1053.6	
$ 13 Fluoranthene-d10 (Surr)	212	9.100	9.097	0.003	0	483685	NC	
$ 14 Terphenyl-d14	244	9.447	9.444	0.003	97	426000	1146.5	
22 n-Decane	57	4.345	4.343	0.002	81	14917	131.6	
39 Benzoic acid	105	5.333	5.352	-0.019	51	23565	522.7	
24 Cyclohexanone	55	6.498	6.496	0.002	1	2604	NC	
68 Diethyl phthalate	149	7.283	7.286	-0.003	93	61649	142.2	
69 Fluorene	166	7.358	7.356	0.002	16	2769	6.99	
80 Phenanthrene	178	8.143	8.141	0.002	37	5560	7.64	
81 Anthracene	178	8.186	8.184	0.002	13	4134	14.3	
84 Di-n-butyl phthalate	149	8.629	8.627	0.002	35	57810	77.5	
85 Fluoranthene	202	9.121	9.121	0.008	1	4647	8.13	a
89 Pyrene	202	9.303	9.300	0.003	50	3818	4.45	
94 Butyl benzyl phthalate	149	9.858	9.856	0.002	77	20859	86.8	
95 4,4'-DDT	235	9.885	9.923	-0.038	1	1304	NC	
98 Bis(2-ethylhexyl) phthalate	149	10.376	10.374	0.002	86	90176	274.2	
86 2,3-Dichlorobenzenamine	161	11.418	11.416	0.002	1	1450	NC	
87 2,4'-DDD	235	11.455	11.453	0.002	1	217	NC	
91 Nonylphenol	135	11.877	11.848	0.029	0	698	NC	
124 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 09:18:37 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A06.D

Injection Date: 08-Mar-2022 12:03:30 Instrument ID: TAC051

Lims ID: 580-110975-B-1-A Lab Sample ID: 580-110975-1

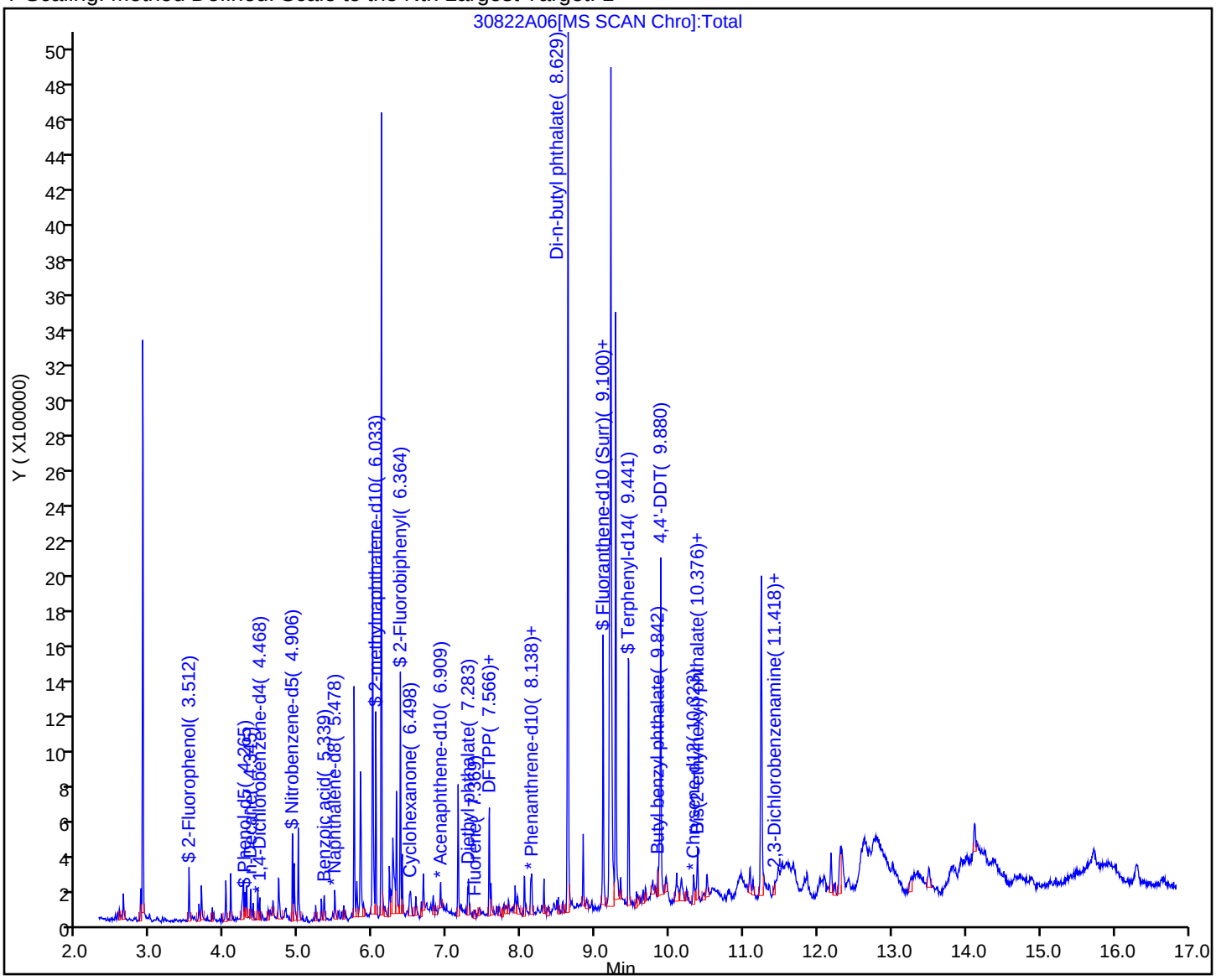
Client ID: ERH6573 (RHMW07)

Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A06.D
Lims ID: 580-110975-B-1-A
Client ID: ERH6573 (RHMW07)
Sample Type: Client
Inject. Date: 08-Mar-2022 12:03:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-b-1-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:18:37 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

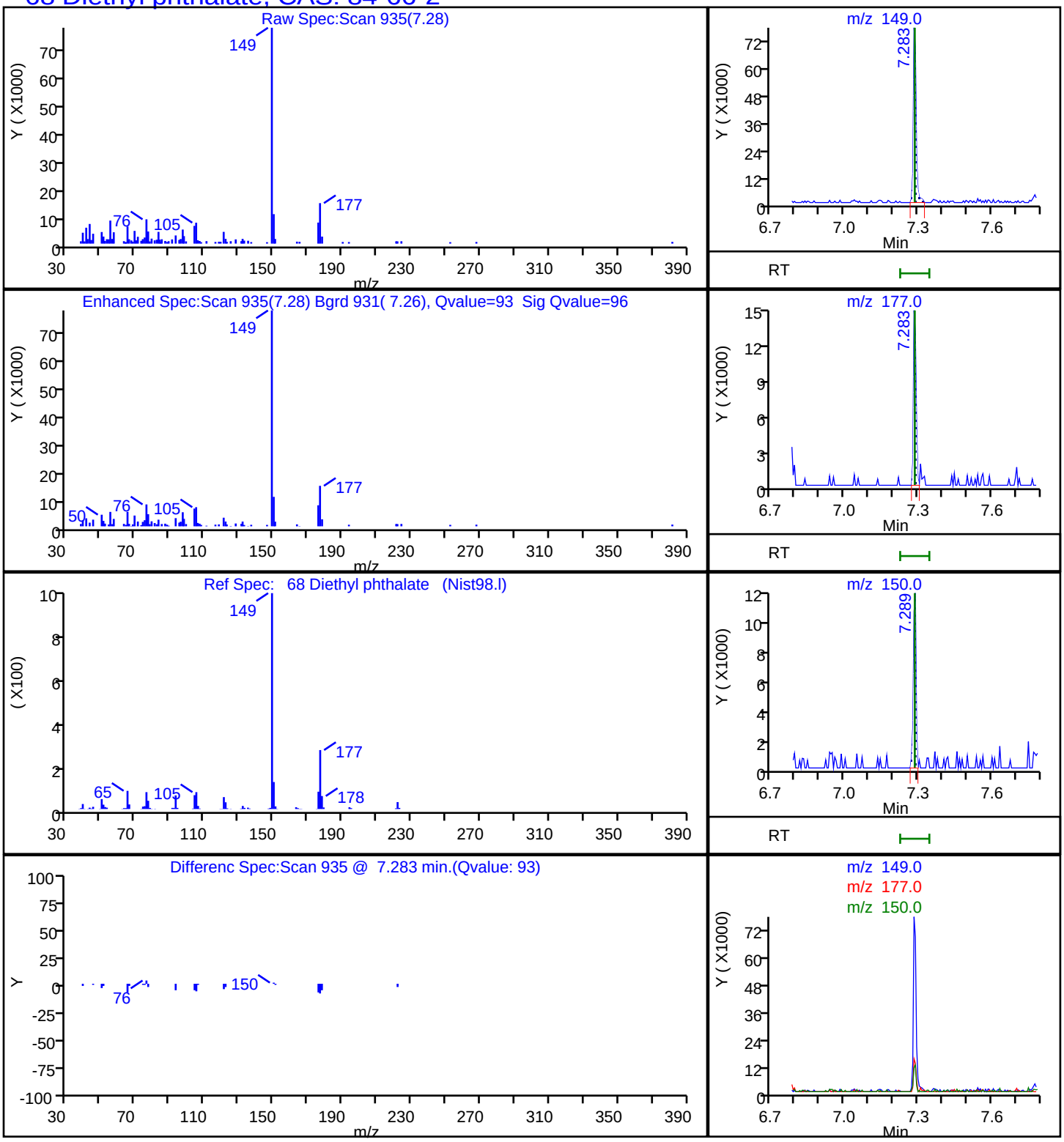
First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:18:37

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	530.4	53.04
$ 8 Phenol-d5	1000.0	330.5	33.05
$ 9 Nitrobenzene-d5	1000.0	822.3	82.23
$ 11 2-Fluorobiphenyl	1000.0	670.2	67.02
$ 12 2,4,6-Tribromophenol	1000.0	1053.6	105.36
$ 14 Terphenyl-d14	1000.0	1146.5	114.65

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A06.D		
Injection Date:	08-Mar-2022 12:03:30	Instrument ID:	TAC051
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1
Client ID:	ERH6573 (RHMW07)		
Operator ID:	TL	ALS Bottle#:	5 Worklist Smp#: 5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0
Column:		Detector	MS SCAN

68 Diethyl phthalate, CAS: 84-66-2



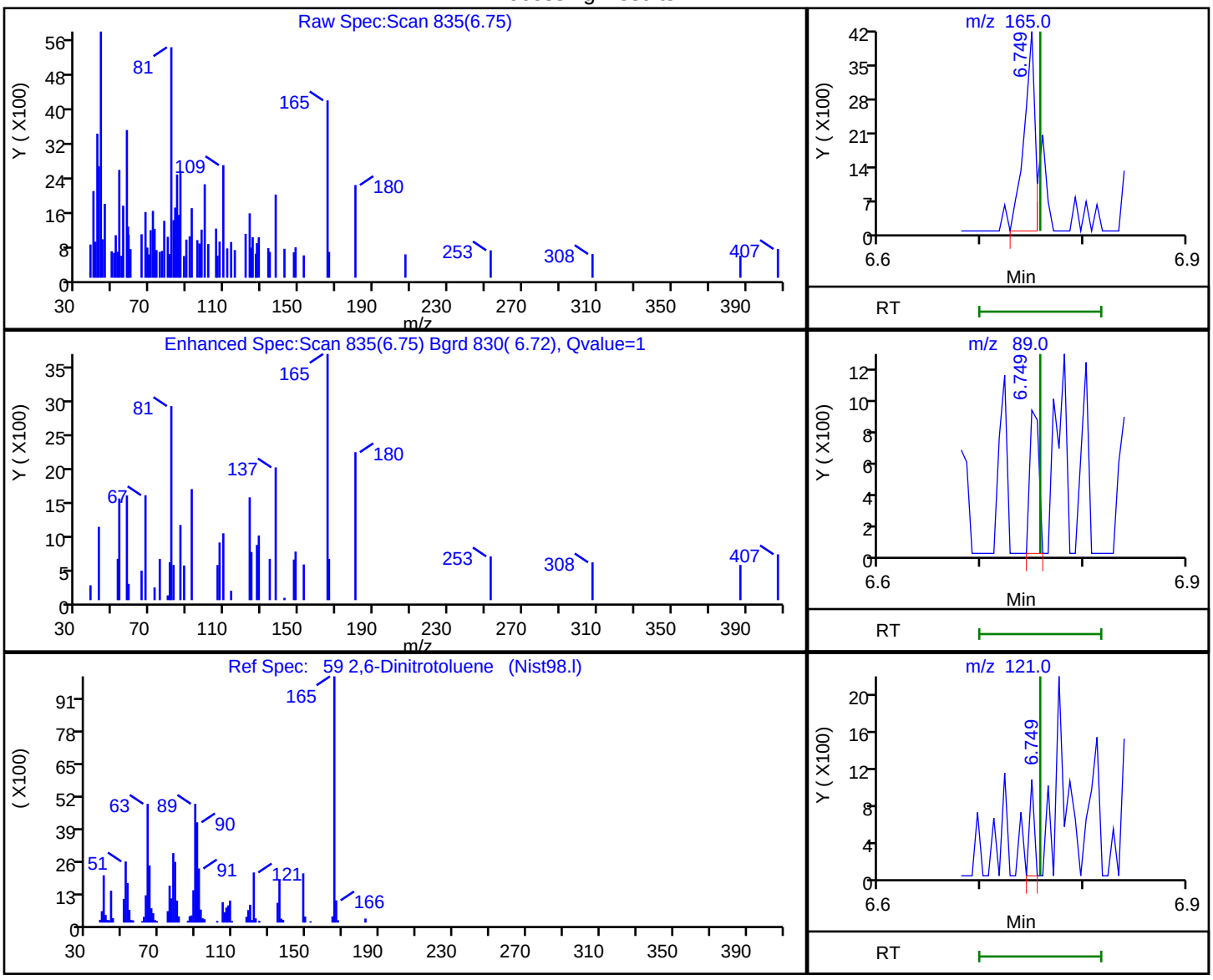
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A06.D				
Injection Date:	08-Mar-2022 12:03:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	TL	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

59 2,6-Dinitrotoluene, CAS: 606-20-2

Processing Results



RT	Mass	Response	Amount
6.75	165.00	3084	63.856967
6.75	89.00	552	
6.75	121.00	329	

Reviewer: thaneeratw, 09-Mar-2022 09:10:58

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

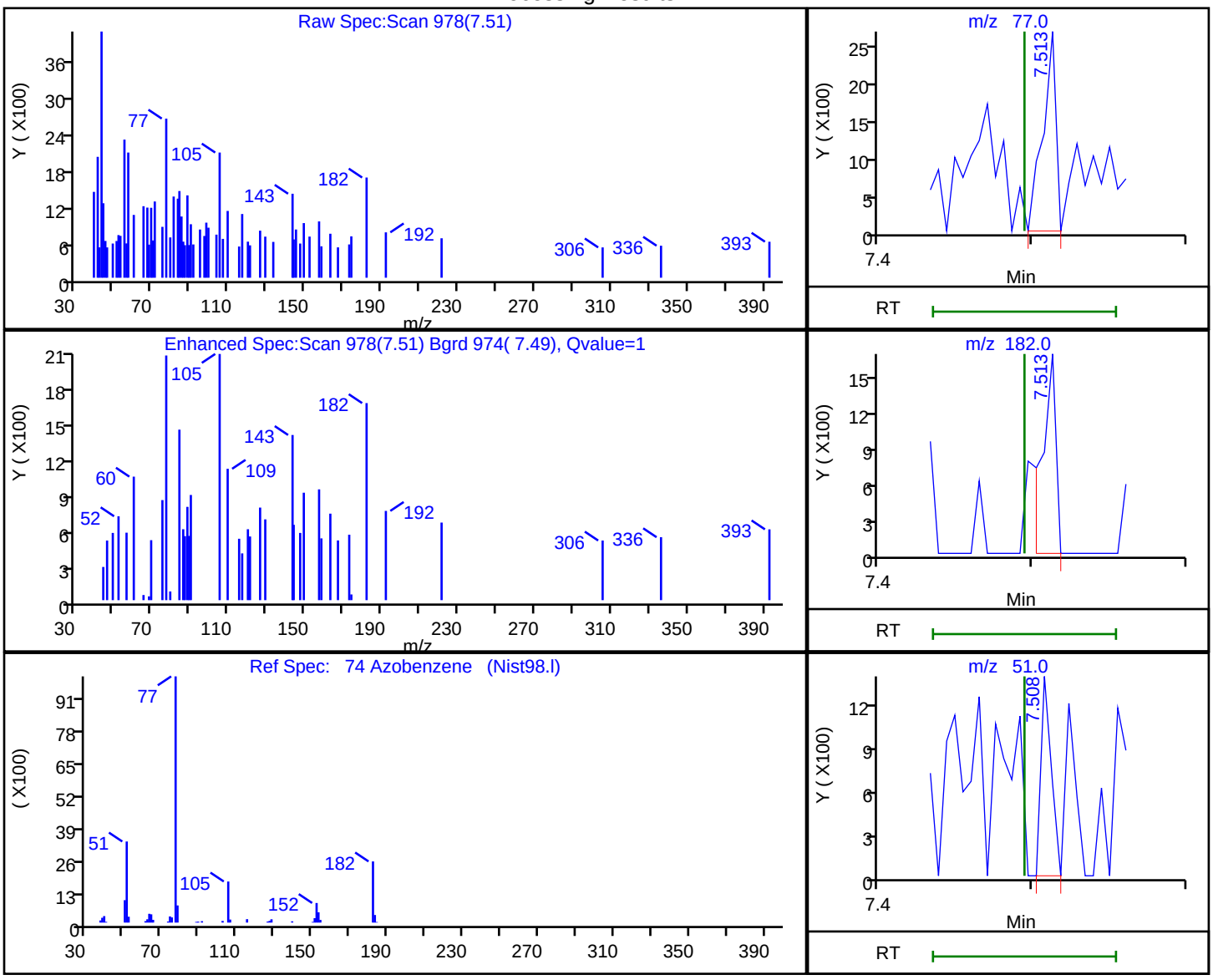
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A06.D				
Injection Date:	08-Mar-2022 12:03:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	TL	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

74 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.51	77.00	1553	9.471990
7.51	182.00	1028	
7.51	51.00	616	

Reviewer: thaneeratw, 09-Mar-2022 09:17:16

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

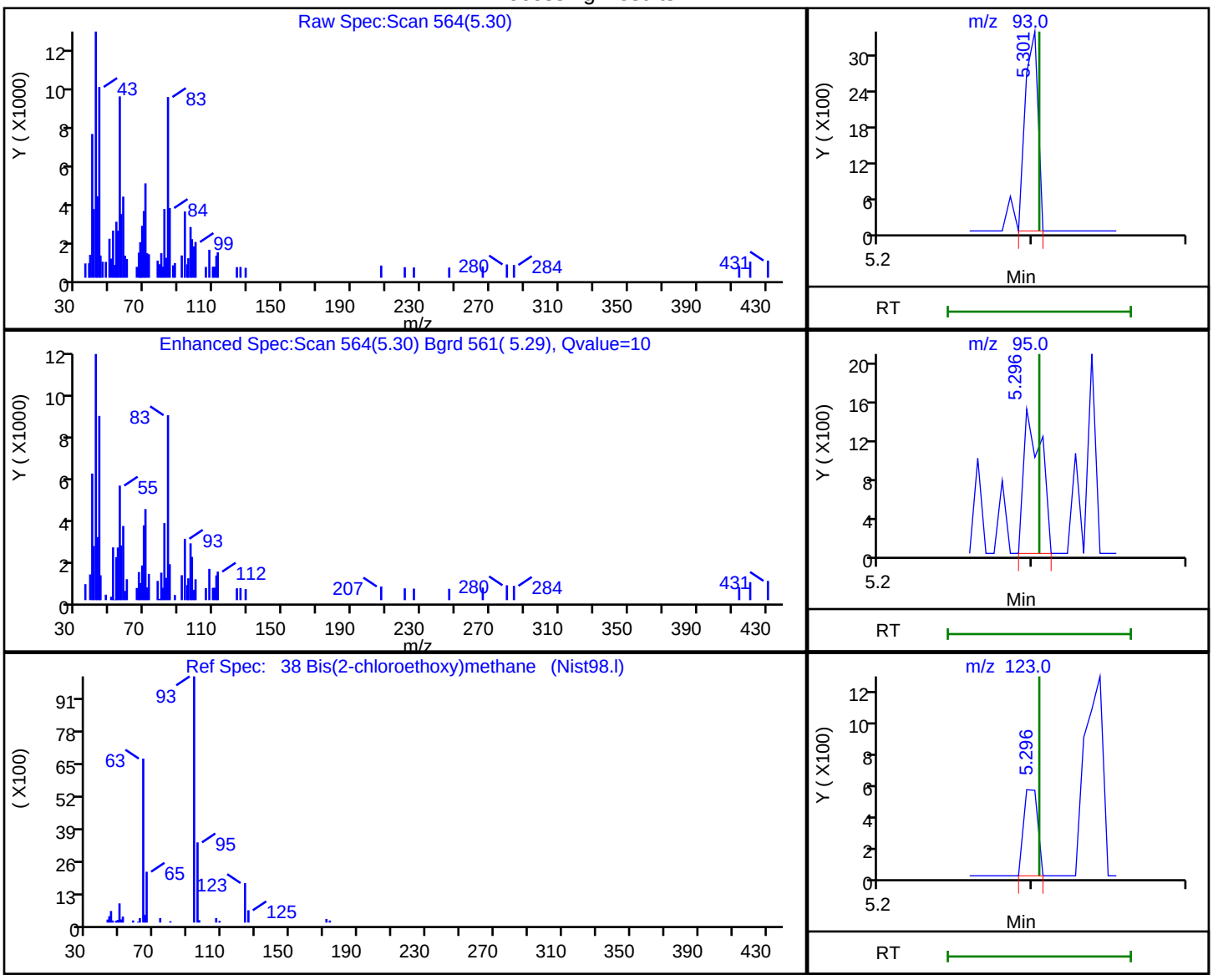
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A06.D				
Injection Date:	08-Mar-2022 12:03:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	TL	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

38 Bis(2-chloroethoxy)methane, CAS: 111-91-1

Processing Results



RT	Mass	Response	Amount
5.30	93.00	1922	14.502410
5.30	95.00	1172	
5.30	123.00	344	

Reviewer: thaneeratw, 09-Mar-2022 09:10:31

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

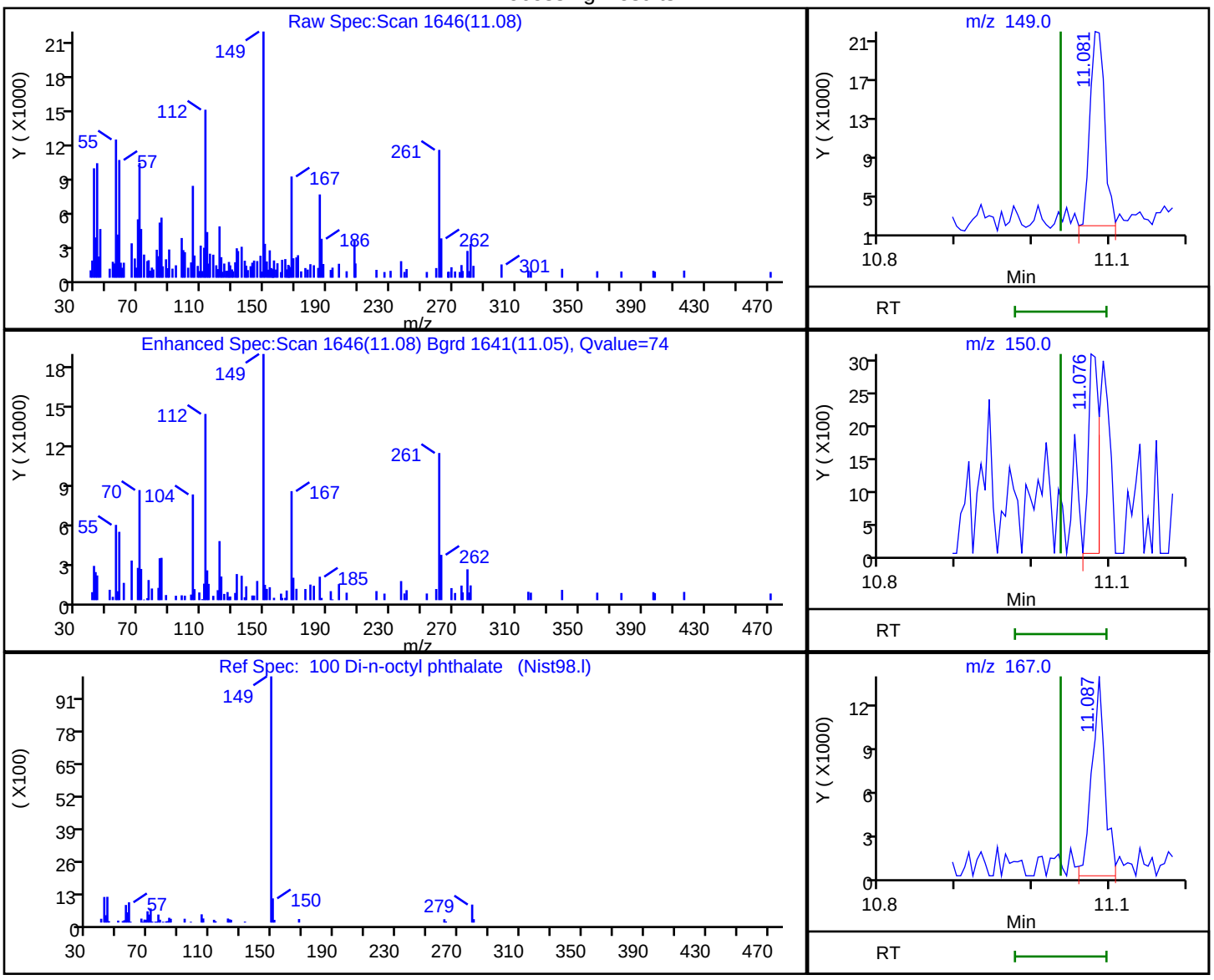
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A06.D				
Injection Date:	08-Mar-2022 12:03:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	TL	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.08	149.00	26622	52.761773
11.08	150.00	2911	
11.09	167.00	15502	

Reviewer: thaneeratw, 09-Mar-2022 09:17:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

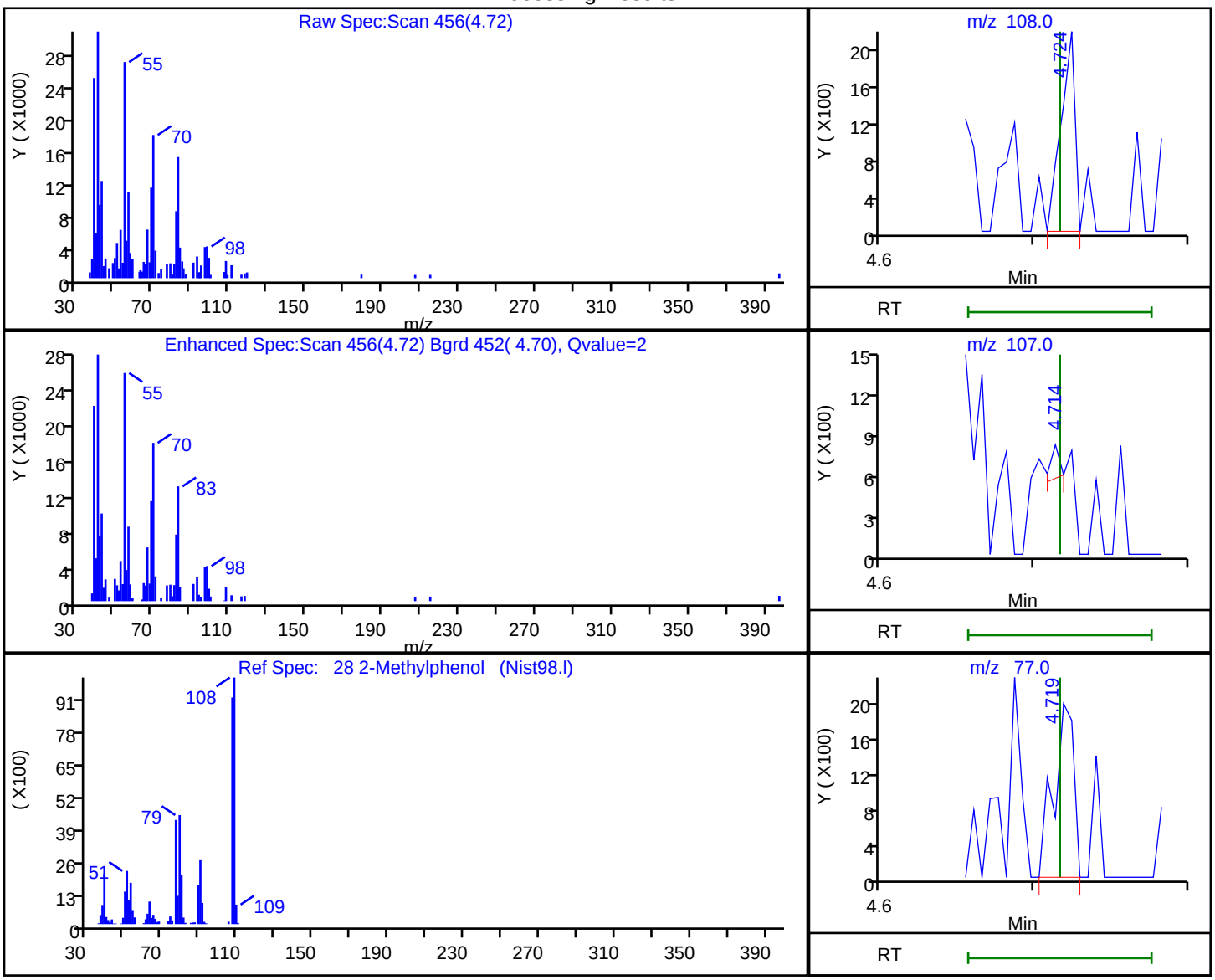
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A06.D				
Injection Date:	08-Mar-2022 12:03:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	TL	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

28 2-Methylphenol, CAS: 95-48-7

Processing Results



RT	Mass	Response	Amount
4.72	108.00	1352	11.221471
4.71	107.00	98	
4.72	77.00	1768	

Reviewer: thaneeratw, 09-Mar-2022 09:10:18

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

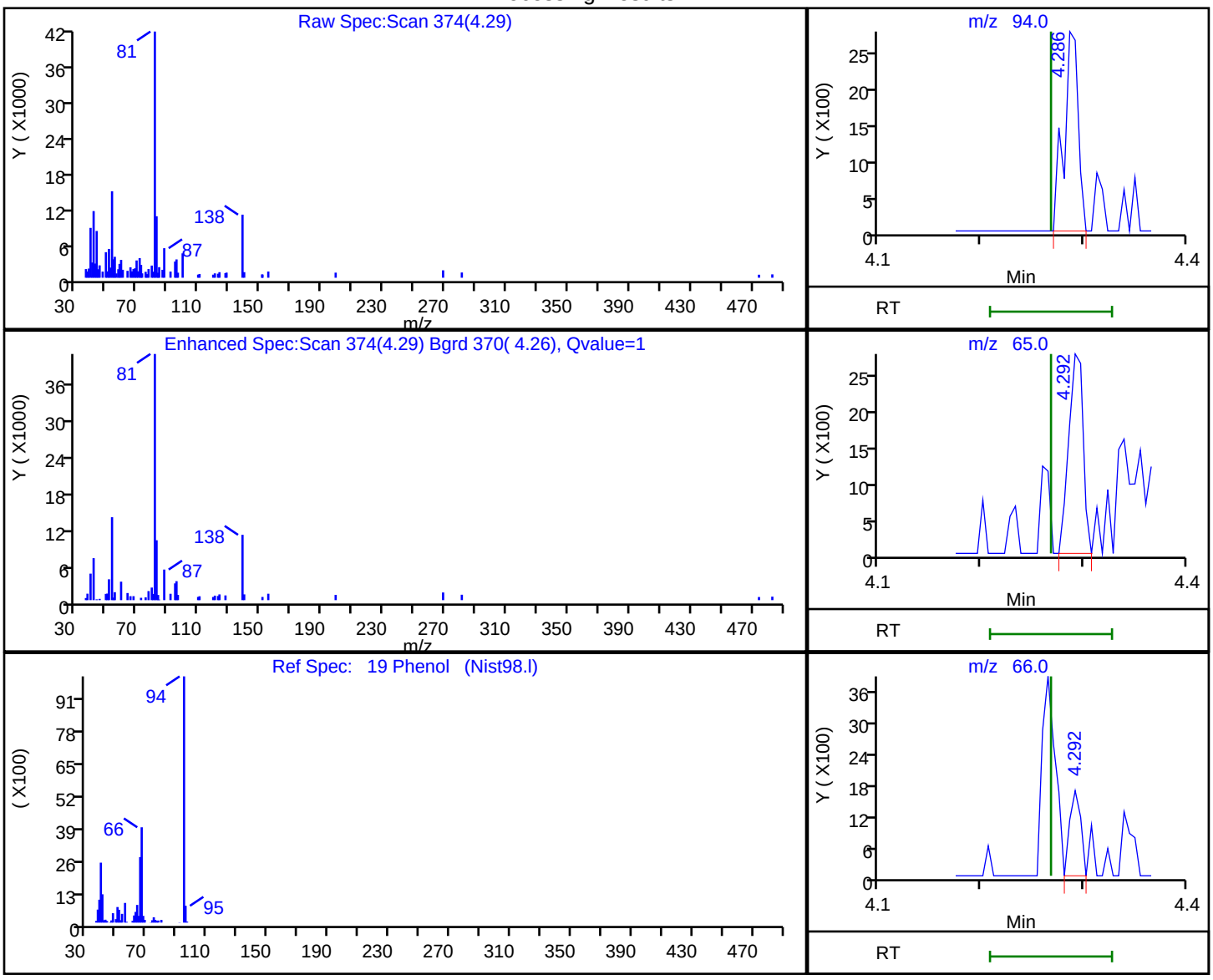
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A06.D				
Injection Date:	08-Mar-2022 12:03:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	TL	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

19 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
4.29	94.00	2678	18.575603
4.29	65.00	2676	
4.29	66.00	1250	

Reviewer: thaneeratw, 09-Mar-2022 09:10:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2673 (RHMW07) RA | Lab Sample ID: 580-110975-1 RA

Matrix: Water | Lab File ID: 31822A14.D

Analysis Method: 8270E | Date Collected: 03/01/2022 08:55

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 994.4(mL) | Date Analyzed: 03/18/2022 14:30

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384307 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
100-02-7	4-Nitrophenol	6.0	U Q M	10	6.0	1.7
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A14.D
Lims ID: 580-110975-B-1-A
Client ID: ERH2673 (RHMW07)
Sample Type: Client
Inject. Date: 18-Mar-2022 14:30:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-b-1-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:34:01 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:28:25

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.452	4.454	-0.002	72	34808	100.0	
* 2 Naphthalene-d8	136	5.467	5.469	-0.002	97	123819	100.0	
* 3 Acenaphthene-d10	164	6.893	6.895	-0.002	88	72018	100.0	
* 4 Phenanthrene-d10	188	8.111	8.108	0.003	94	110826	100.0	
* 5 Chrysene-d12	240	10.307	10.309	-0.002	90	81875	100.0	
* 6 Perylene-d12	264	11.829	11.831	-0.002	90	68966	100.0	
$ 9 Nitrobenzene-d5	82	4.895	4.896	-0.002	86	213324	723.8	
$ 10 2-methylnaphthalene-d10	152	6.023	6.017	0.004	0	461016	NC	
$ 11 2-Fluorobiphenyl	172	6.354	6.354	-0.002	99	617777	645.1	
$ 13 Fluoranthene-d10 (Surr)	212	9.089	9.090	0.004	0	944138	NC	
$ 14 Terphenyl-d14	244	9.431	9.437	-0.002	97	801023	965.0	
15 1,4-Dioxane	88	2.315	2.330	-0.013	16	1238	NC	
17 Pyridine	79	2.454	2.415	0.041	1	1435	60.5	
18 Aniline	93	4.276	4.206	0.073	39	494	6.92	
19 Phenol	94	4.249	4.233	0.020	1	872	2.49	
20 Bis(2-chloroethyl)ether	93	4.265	4.260	0.009	1	535	1.78	
22 n-Decane	57	4.334	4.335	0.003	65	29362	106.8	
26 Benzyl alcohol	79	4.591	4.586	0.009	28	3869	25.4	
28 2-Methylphenol	108	4.692	4.698	-0.002	1	2193	7.51	
30 Acetophenone	105	4.778	4.784	-0.002	5	862	1.96	
34 Nitrobenzene	77	4.922	4.912	0.009	10	5567	27.5	
35 Isophorone	82	5.104	5.104	-0.002	1	856	1.67	
36 2-Nitrophenol	139	5.130	5.168	-0.040	1	187	8.09	
37 2,4-Dimethylphenol	107	5.216	5.232	-0.018	1	1792	9.83	
38 Bis(2-chloroethoxy)methane	93	5.312	5.291	0.020	1	1544	4.80	
39 Benzoic acid	105	5.312	5.318	-0.007	65	39253	477.2	
42 Naphthalene	128	5.483	5.483	-0.002	1	5525	2.74	
43 4-Chloroaniline	127	5.547	5.547	-0.002	1	463	25.9	
46 4-Chloro-3-methylphenol	107	6.012	5.975	0.036	1	2245	45.2	
47 2-Methylnaphthalene	142	6.049	6.044	0.003	3	3646	4.52	
48 1-Methylnaphthalene	142	6.129	6.124	0.003	1	1047	1.37	
54 1,1'-Biphenyl	154	6.423	6.429	-0.007	1	1121	1.07	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
24 Cyclohexanone	55	6.551	6.501	0.055	51	29948	NC	
56 2-Nitroaniline	138	6.530	6.546	-0.018	1	256	61.1	
57 Dimethyl phthalate	163	6.696	6.696	-0.001	69	12375	11.2	
58 1,3-Dinitrobenzene	168	6.738	6.723	0.014	1	616	122.6	
59 2,6-Dinitrotoluene	165	6.754	6.744	0.008	1	1180	38.7	
60 Acenaphthylene	152	6.776	6.776	-0.002	17	4651	1.67	
61 3-Nitroaniline	138	6.899	6.888	0.009	3	1953	82.2	
62 Acenaphthene	153	6.920	6.920	-0.002	45	3632	4.31	
68 Diethyl phthalate	149	7.273	7.273	-0.001	92	88975	95.3	
69 Fluorene	166	7.342	7.342	-0.002	40	4817	5.65	
71 4-Nitroaniline	138	7.390	7.390	-0.002	1	270	66.4	
73 N-Nitrosodiphenylamine	169	7.438	7.460	-0.018	1	766	1.30	
74 Azobenzene	77	7.492	7.486	0.009	22	2019	7.11	
79 n-Octadecane	57	8.047	8.053	-0.002	1	8313	25.0	
80 Phenanthrene	178	8.127	8.133	-0.002	36	10849	6.42	
81 Anthracene	178	8.170	8.176	-0.002	1	2631	9.44	
83 Carbazole	167	8.330	8.325	0.009	1	1698	5.96	
84 Di-n-butyl phthalate	149	8.614	8.619	-0.001	35	111511	66.6	
85 Fluoranthene	202	9.084	9.106	-0.017	5	813	1.20	
88 Benzidine	184	9.249	9.245	0.009	33	1369	91.3	
89 Pyrene	202	9.287	9.293	-0.001	65	7536	3.75	
93 4,4'-DDD	235	9.714	9.670	0.048	1	503	NC	
94 Butyl benzyl phthalate	149	9.842	9.848	-0.002	86	38004	70.9	
95 4,4'-DDT	235	9.917	9.915	0.005	1	492	NC	
97 Benzo[a]anthracene	228	10.302	10.302	0.004	14	3474	10.4	
98 Bis(2-ethylhexyl) phthalate	149	10.355	10.366	-0.007	85	180967	241.1	
100 Di-n-octyl phthalate	149	11.060	11.023	0.041	78	51559	56.5	
101 Benzo[b]fluoranthene	252	11.402	11.397	0.009	8	4797	8.59	
86 2,3-Dichlorobenzenamine	161	11.402	11.413	-0.014	1	6945	NC	
103 Benzo[k]fluoranthene	252	11.434	11.429	0.009	1	5028	5.43	
87 2,4'-DDD	235	11.466	11.457	0.013	1	303	NC	
104 Benzo[a]pyrene	252	11.760	11.771	-0.007	1	788	5.93	
91 Nonylphenol	135	11.856	11.854	0.008	0	1942	NC	
92 2,4'-DDT	235	11.894	11.869	0.030	1	342	NC	
105 Indeno[1,2,3-cd]pyrene	276	13.128	13.134	-0.001	1	654	10.7	
106 Dibenz(a,h)anthracene	278	13.165	13.171	-0.002	1	851	15.1	
107 Benzo[g,h,i]perylene	276	13.448	13.465	-0.013	1	293	4.10	
124 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 18-Mar-2022 20:34:01 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A14.D

Injection Date: 18-Mar-2022 14:30:30 Instrument ID: TAC051

Lims ID: 580-110975-B-1-A Lab Sample ID: 580-110975-1

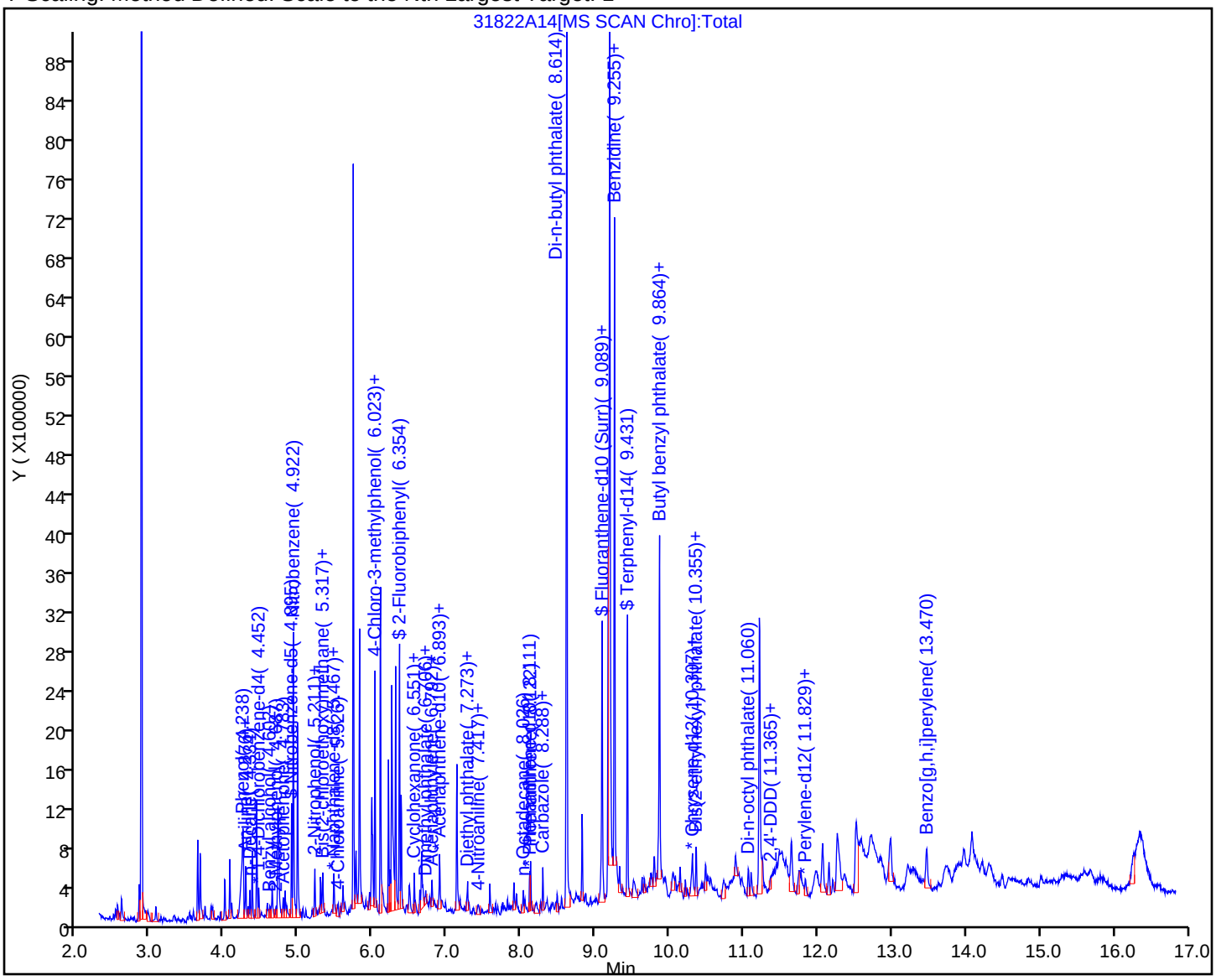
Client ID: ERH2673 (RHMW07)

Operator ID: TL ALS Bottle#: 13 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A14.D
Lims ID: 580-110975-B-1-A
Client ID: ERH2673 (RHMW07)
Sample Type: Client
Inject. Date: 18-Mar-2022 14:30:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-b-1-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:34:01 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:28:25

Compound	Amount Added	Amount Recovered	% Rec.
$ 9 Nitrobenzene-d5	1000.0	723.8	72.38
$ 11 2-Fluorobiphenyl	1000.0	645.1	64.51
$ 14 Terphenyl-d14	1000.0	965.0	96.50

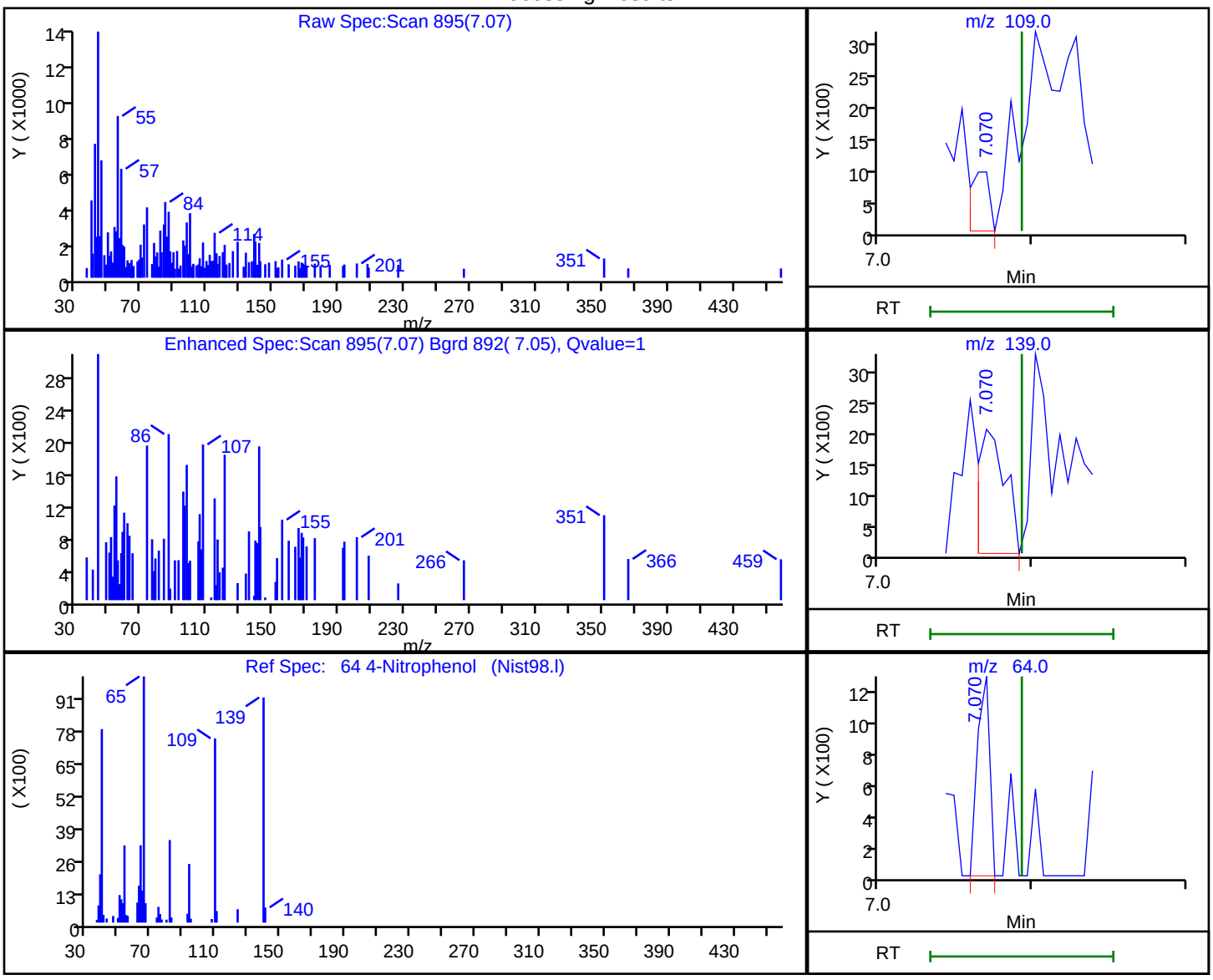
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A14.D				
Injection Date:	18-Mar-2022 14:30:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH2673 (RHMW07)				
Operator ID:	TL	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

64 4-Nitrophenol, CAS: 100-02-7

Processing Results



RT	Mass	Response	Amount
7.07	109.00	810	790.9420
7.07	139.00	2449	
7.07	64.00	690	

Reviewer: boylea, 18-Mar-2022 20:28:17

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

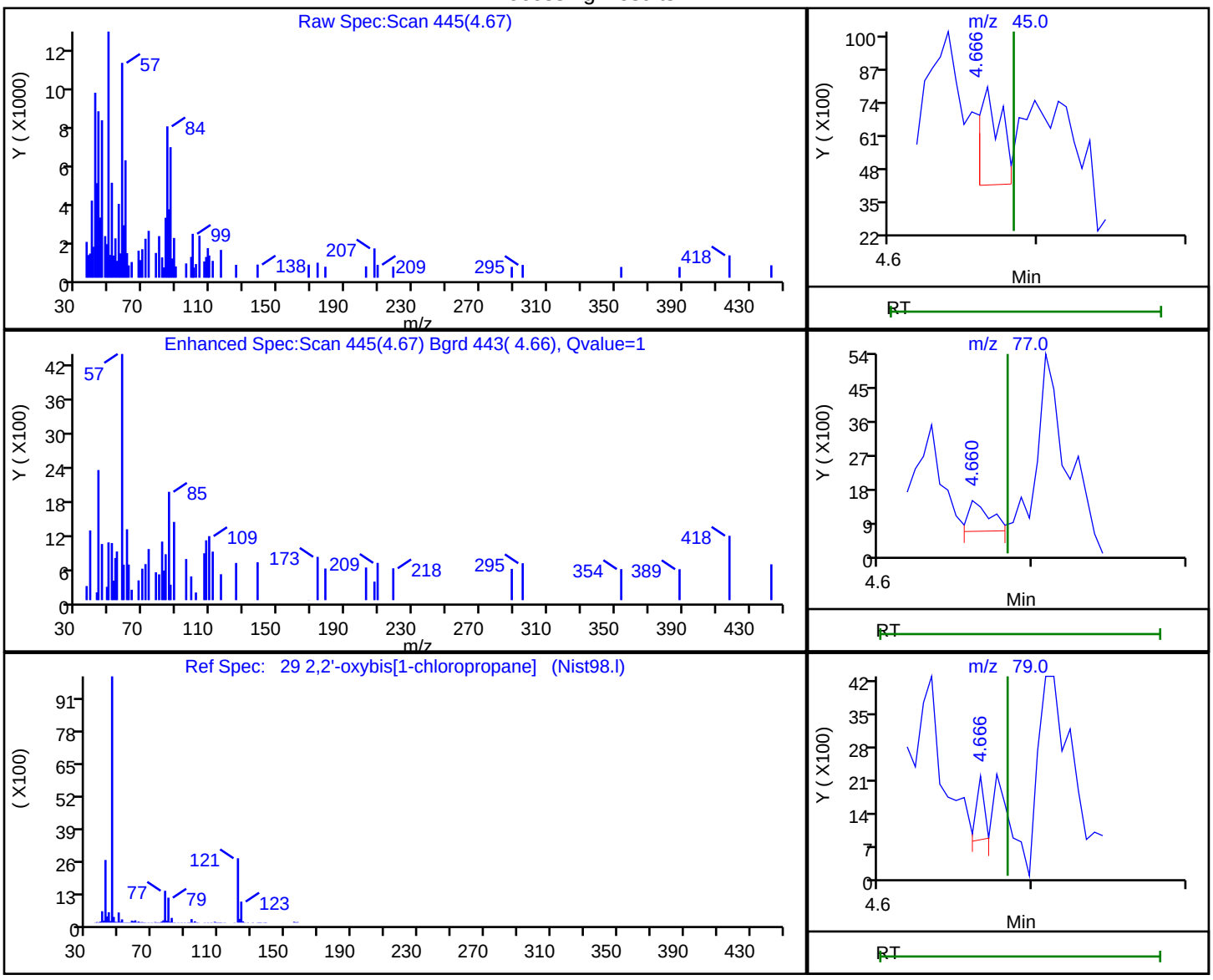
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A14.D				
Injection Date:	18-Mar-2022 14:30:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH2673 (RHMW07)				
Operator ID:	TL	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.67	45.00	3915	11.590954
4.66	77.00	834	
4.67	79.00	479	

Reviewer: boylea, 18-Mar-2022 20:28:23

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2648 (RHMW08) | Lab Sample ID: 580-110975-2

Matrix: Water | Lab File ID: 30822A07.D

Analysis Method: 8270E | Date Collected: 02/28/2022 13:35

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 991.9(mL) | Date Analyzed: 03/08/2022 12:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.30	0.091
95-50-1	1,2-Dichlorobenzene	0.15	U Q	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
106-46-7	1,4-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.071
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.071
91-94-1	3,3'-Dichlorobenzidine	0.60	U	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U M	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.091	U	0.10	0.091	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.75
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.24	J	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.091	U	0.60	0.091	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U	0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2648 (RHMW08) | Lab Sample ID: 580-110975-2

Matrix: Water | Lab File ID: 30822A07.D

Analysis Method: 8270E | Date Collected: 02/28/2022 13:35

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 991.9(mL) | Date Analyzed: 03/08/2022 12:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	0.091	U	1.0	0.091	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.091	U	0.40	0.091	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.071
95-48-7	o-Cresol	0.15	U	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U M	1.0	0.60	0.36
129-00-0	Pyrene	0.091	U	1.0	0.091	0.040
110-86-1	Pyridine	3.2	U	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	92		43-140
321-60-8	2-Fluorobiphenyl	61		44-119
367-12-4	2-Fluorophenol (Surr)	46		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	82		44-120
4165-62-2	Phenol-d5 (Surr)	29		10-120
1718-51-0	Terphenyl-d14	117		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A07.D
Lims ID: 580-110975-A-2-A
Client ID: ERH2648 (RHMW08)
Sample Type: Client
Inject. Date: 08-Mar-2022 12:26:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-2-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:29:34 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:29:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.464	4.466	-0.002	82	15049	100.0	
* 2 Naphthalene-d8	136	5.479	5.481	-0.002	92	55401	100.0	
* 3 Acenaphthene-d10	164	6.906	6.907	-0.001	70	32695	100.0	
* 4 Phenanthrene-d10	188	8.124	8.120	0.004	80	49467	100.0	
* 5 Chrysene-d12	240	10.319	10.321	-0.001	93	41899	100.0	
* 6 Perylene-d12	264	11.847	11.848	-0.001	87	54812	100.0	
$ 7 2-Fluorophenol	112	3.508	3.504	0.004	79	63714	458.5	
$ 8 Phenol-d5	99	4.261	4.257	0.004	95	45074	289.6	
$ 9 Nitrobenzene-d5	82	4.908	4.909	-0.001	82	107620	816.1	
$ 10 2-methylnaphthalene-d10	152	6.030	6.031	-0.001	0	218417	NC	
$ 11 2-Fluorobiphenyl	172	6.366	6.367	-0.001	99	265291	610.2	
$ 12 2,4,6-Tribromophenol	330	7.563	7.564	-0.001	76	61194	917.5	
$ 13 Fluoranthene-d10 (Surr)	212	9.101	9.097	0.004	0	485189	NC	
$ 14 Terphenyl-d14	244	9.443	9.444	-0.001	96	431964	1165.9	
15 1,4-Dioxane	88	2.408	2.475	-0.067	1	241	NC	
22 n-Decane	57	4.342	4.343	-0.001	79	13132	110.5	
39 Benzoic acid	105	5.341	5.352	-0.011	66	18998	488.8	
24 Cyclohexanone	55	6.500	6.496	0.004	24	7011	NC	
62 Acenaphthene	153	6.933	6.934	-0.001	39	2329	6.09	
68 Diethyl phthalate	149	7.285	7.286	-0.001	92	49613	117.1	
84 Di-n-butyl phthalate	149	8.626	8.627	-0.001	83	36826	48.7	
89 Pyrene	202	9.299	9.300	-0.001	88	11479	16.6	
94 Butyl benzyl phthalate	149	9.855	9.856	-0.001	48	10791	42.8	
98 Bis(2-ethylhexyl) phthalate	149	10.373	10.374	-0.001	79	38181	99.4	
86 2,3-Dichlorobenzenamine	161	11.420	11.416	0.004	1	470	NC	
91 Nonylphenol	135	11.847	11.848	-0.001	0	931	NC	
124 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

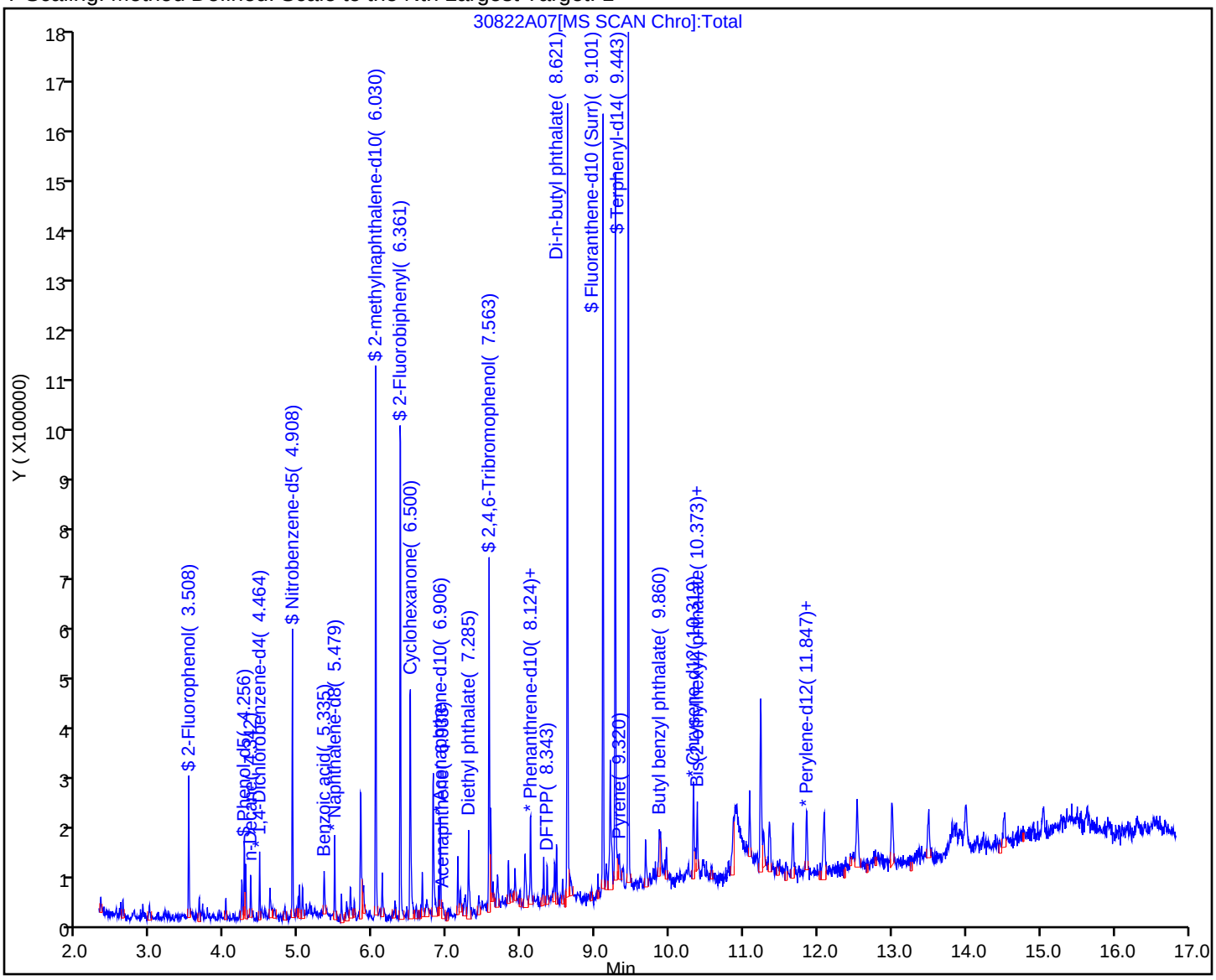
Report Date: 09-Mar-2022 09:29:34 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A07.D

Injection Date:	08-Mar-2022 12:26:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	TL	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A07.D
Lims ID: 580-110975-A-2-A
Client ID: ERH2648 (RHMW08)
Sample Type: Client
Inject. Date: 08-Mar-2022 12:26:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-2-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:29:34 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

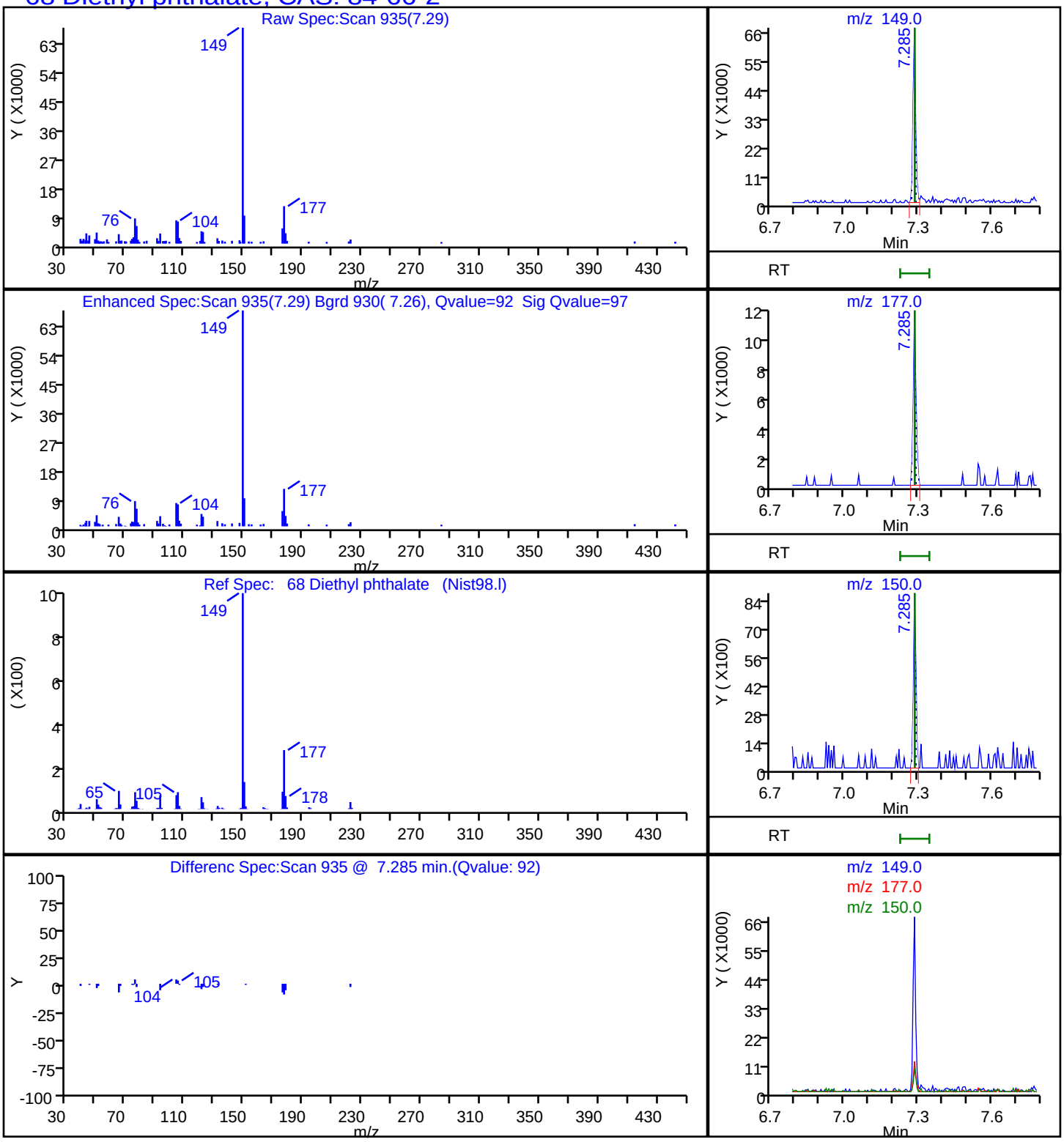
First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:29:34

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	458.5	45.85
$ 8 Phenol-d5	1000.0	289.6	28.96
$ 9 Nitrobenzene-d5	1000.0	816.1	81.61
$ 11 2-Fluorobiphenyl	1000.0	610.2	61.02
$ 12 2,4,6-Tribromophenol	1000.0	917.5	91.75
$ 14 Terphenyl-d14	1000.0	1165.9	116.59

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A07.D				
Injection Date:	08-Mar-2022 12:26:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	TL	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

68 Diethyl phthalate, CAS: 84-66-2



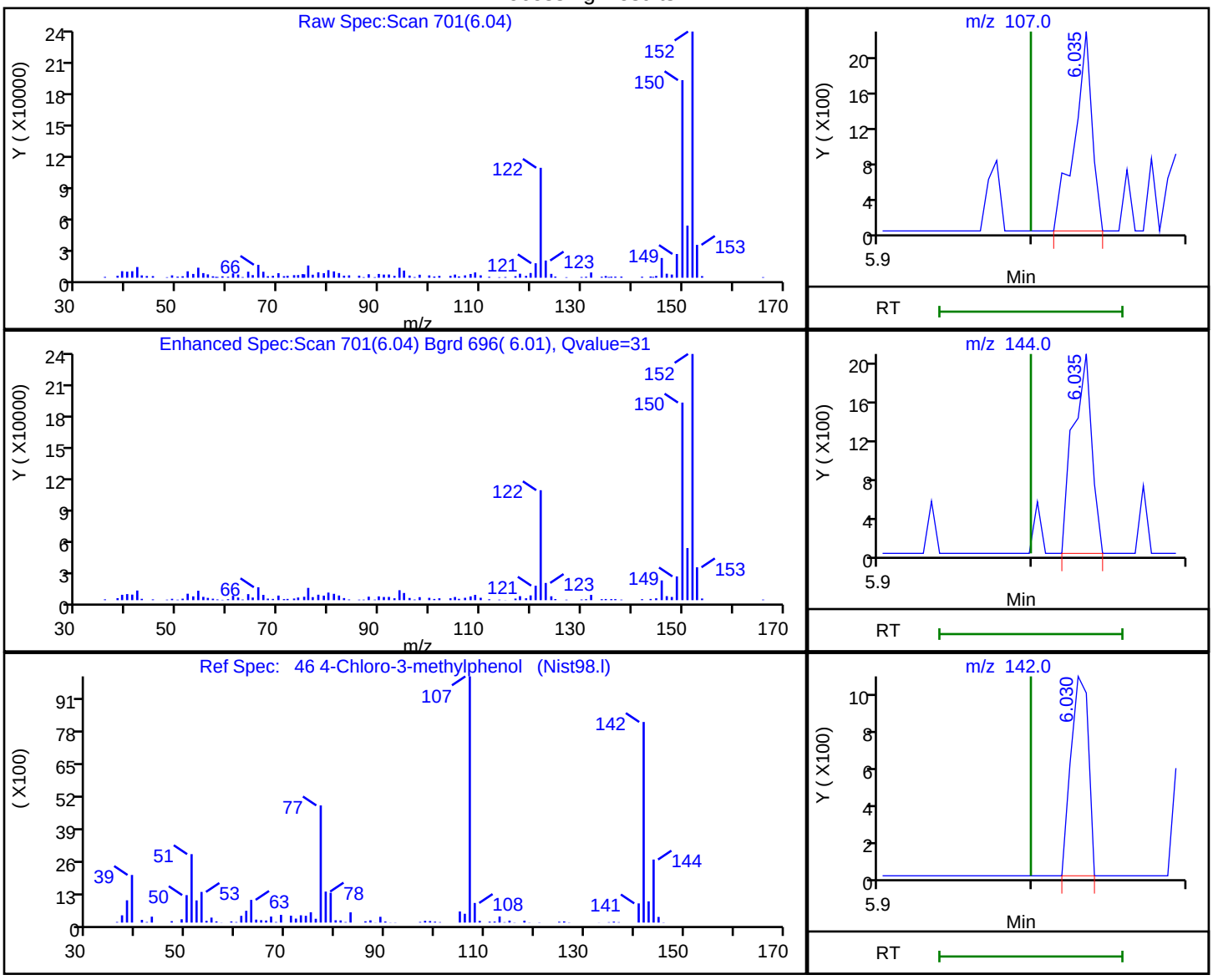
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A07.D				
Injection Date:	08-Mar-2022 12:26:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	TL	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

46 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.04	107.00	1819	51.299218
6.04	144.00	1703	
6.03	142.00	830	

Reviewer: thaneeratw, 09-Mar-2022 09:28:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

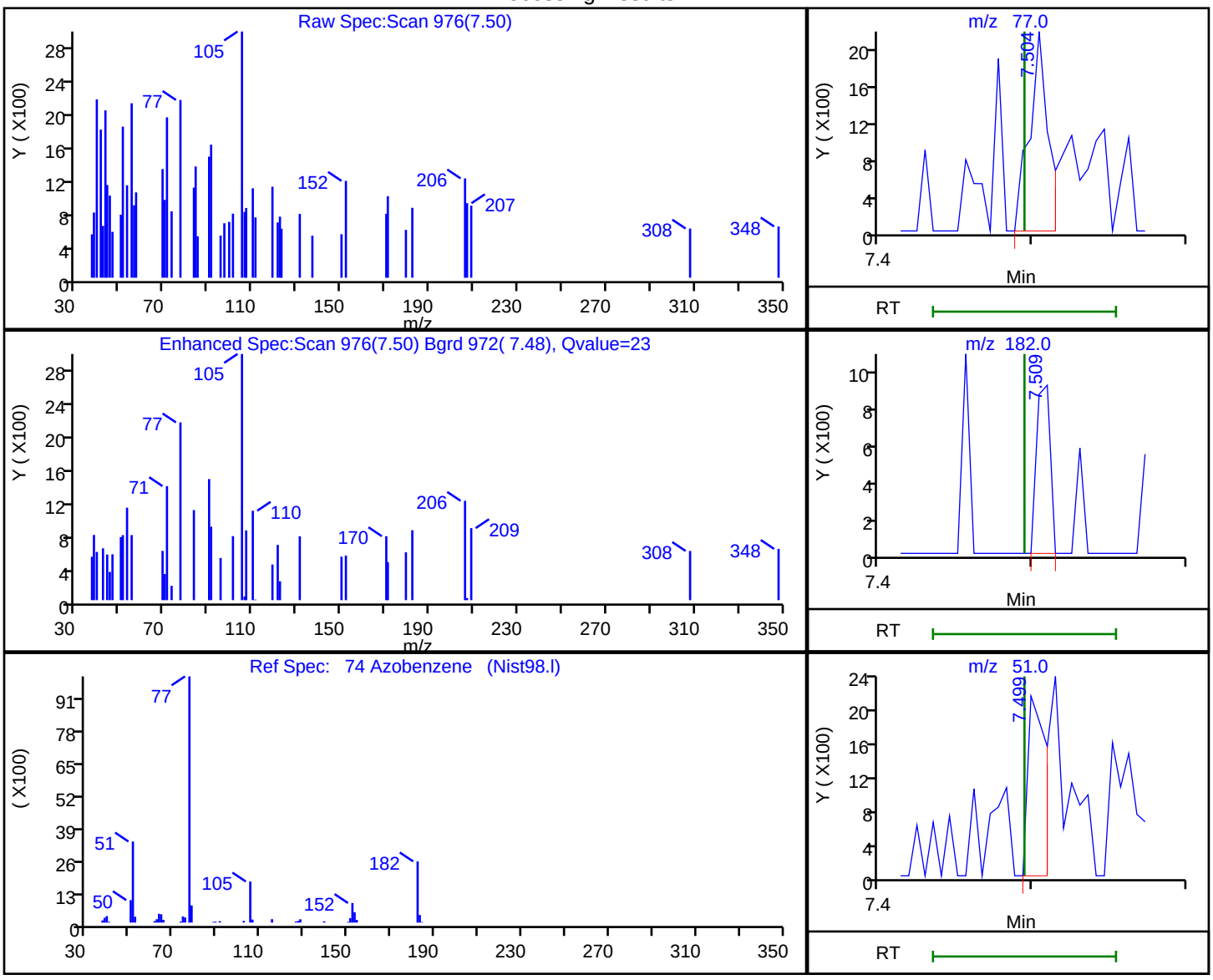
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A07.D				
Injection Date:	08-Mar-2022 12:26:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	TL	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

74 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.50	77.00	1840	10.536482
7.51	182.00	558	
7.50	51.00	1754	

Reviewer: thaneeratw, 09-Mar-2022 09:28:32

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

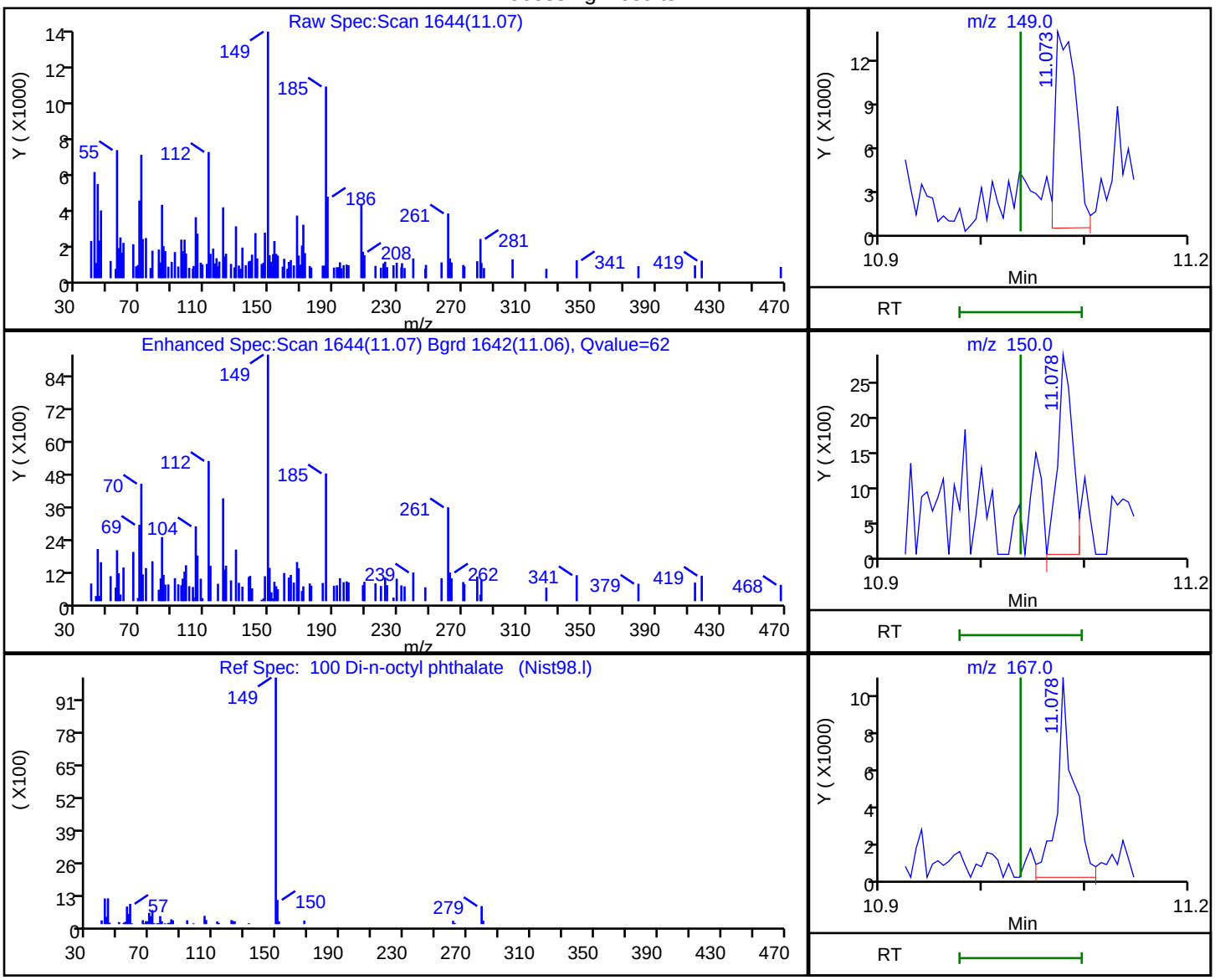
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A07.D				
Injection Date:	08-Mar-2022 12:26:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	TL	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.07	149.00	17546	24.177986
11.08	150.00	2874	
11.08	167.00	11959	

Reviewer: thaneeratw, 09-Mar-2022 09:29:00

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

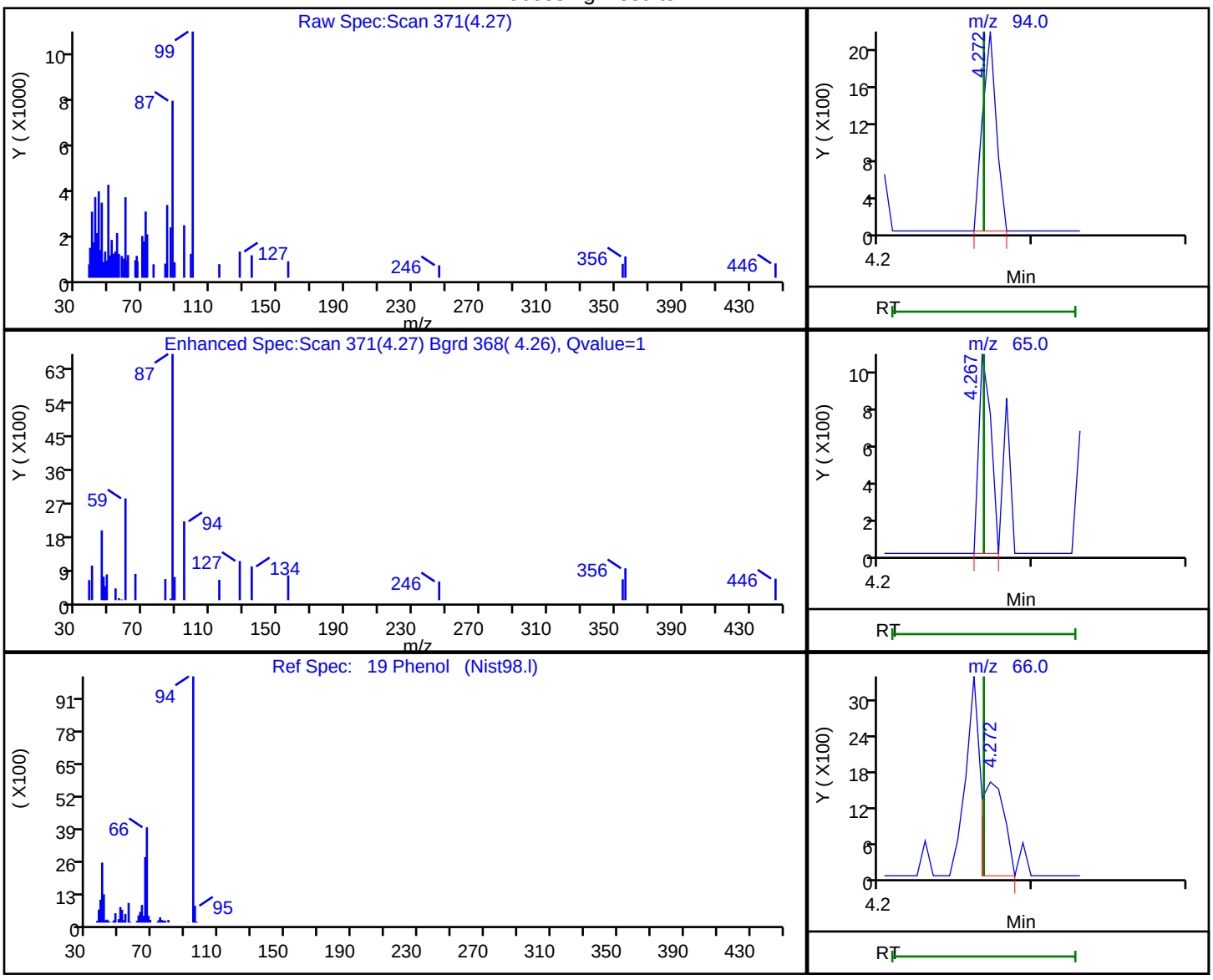
User Disabled Compound Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A07.D
Injection Date: 08-Mar-2022 12:26:30 Instrument ID: TAC051
Lims ID: 580-110975-A-2-A Lab Sample ID: 580-110975-2
Client ID: ERH2648 (RHMW08)
Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

19 Phenol, CAS: 108-95-2

Processing Results



RT	Mass	Response	Amount
4.27	94.00	1327	8.779476
4.27	65.00	556	
4.27	66.00	1643	

Reviewer: thaneeratw, 09-Mar-2022 09:27:34
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2648 (RHMW08) RA | Lab Sample ID: 580-110975-2 RA

Matrix: Water | Lab File ID: 31822A15.D

Analysis Method: 8270E | Date Collected: 02/28/2022 13:35

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 991.9(mL) | Date Analyzed: 03/18/2022 14:53

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384307 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A15.D
Lims ID: 580-110975-A-2-A
Client ID: ERH2648 (RHMW08)
Sample Type: Client
Inject. Date: 18-Mar-2022 14:53:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-2-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:31:09 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:28:43

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.456	4.454	0.002	83	32838	100.0	
* 2 Naphthalene-d8	136	5.466	5.469	-0.003	97	127780	100.0	
* 3 Acenaphthene-d10	164	6.892	6.895	-0.003	88	61439	100.0	
* 4 Phenanthrene-d10	188	8.110	8.108	0.002	95	103902	100.0	
* 5 Chrysene-d12	240	10.311	10.309	0.002	94	89196	100.0	
* 6 Perylene-d12	264	11.834	11.831	0.003	91	103318	100.0	
$ 7 2-Fluorophenol	112	3.479	3.474	0.008	83	129717	428.2	
$ 8 Phenol-d5	99	4.227	4.228	0.003	97	78032	229.5	
$ 9 Nitrobenzene-d5	82	4.895	4.896	-0.002	86	208668	686.1	
$ 10 2-methylnaphthalene-d10	152	6.022	6.017	0.003	0	459842	NC	
$ 11 2-Fluorobiphenyl	172	6.353	6.354	-0.003	98	546232	668.6	
$ 12 2,4,6-Tribromophenol	330	7.550	7.550	0.003	76	119568	856.2	
$ 13 Fluoranthene-d10 (Surr)	212	9.088	9.090	0.003	0	925149	NC	
$ 14 Terphenyl-d14	244	9.430	9.437	-0.003	96	795908	1022.8	
15 1,4-Dioxane	88	2.325	2.330	-0.003	1	1838	NC	
18 Aniline	93	4.221	4.206	0.018	1	334	6.61	
19 Phenol	94	4.237	4.233	0.008	14	1088	3.30	
22 n-Decane	57	4.334	4.335	0.003	88	25391	97.9	
26 Benzyl alcohol	79	4.595	4.586	0.013	1	2056	17.5	
31 N-Nitrosodi-n-propylamine	70	4.729	4.789	-0.056	4	364	2.22	
34 Nitrobenzene	77	4.895	4.912	-0.018	1	1851	15.4	
39 Benzoic acid	105	5.317	5.318	-0.002	69	38348	469.6	
42 Naphthalene	128	5.488	5.483	0.003	1	6751	3.54	
46 4-Chloro-3-methylphenol	107	6.022	5.975	0.046	30	3549	51.8	
24 Cyclohexanone	55	6.524	6.501	0.028	1	1615	NC	
58 1,3-Dinitrobenzene	168	6.732	6.723	0.008	1	577	123.1	
59 2,6-Dinitrotoluene	165	6.732	6.744	-0.014	1	888	38.1	
61 3-Nitroaniline	138	6.909	6.888	0.019	1	4127	95.4	
62 Acenaphthene	153	6.925	6.920	0.003	44	7353	10.2	
68 Diethyl phthalate	149	7.272	7.273	-0.002	89	62876	78.9	
69 Fluorene	166	7.347	7.342	0.003	1	1533	2.11	
71 4-Nitroaniline	138	7.320	7.390	-0.072	1	407	67.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
74 Azobenzene	77	7.501	7.486	0.018	24	940	5.45	
79 n-Octadecane	57	8.046	8.053	-0.003	47	9610	30.5	
83 Carbazole	167	8.319	8.325	-0.002	1	628	4.96	
84 Di-n-butyl phthalate	149	8.618	8.619	0.003	90	73503	46.2	
85 Fluoranthene	202	9.093	9.106	-0.008	4	2622	2.63	
88 Benzidine	184	9.259	9.245	0.019	1	796	89.8	
89 Pyrene	202	9.291	9.293	0.003	52	24215	16.7	
94 Butyl benzyl phthalate	149	9.847	9.848	0.003	68	18663	36.3	
97 Benzo[a]anthracene	228	10.338	10.302	0.040	28	13588	18.9	
98 Bis(2-ethylhexyl) phthalate	149	10.360	10.366	-0.002	84	73134	89.4	
100 Di-n-octyl phthalate	149	11.070	11.023	0.051	77	47482	34.7	
86 2,3-Dichlorobenzenamine	161	11.417	11.413	0.001	1	893	NC	
104 Benzo[a]pyrene	252	11.775	11.771	0.008	1	469	5.26	
91 Nonylphenol	135	11.855	11.854	0.007	0	517	NC	
92 2,4'-DDT	235	11.871	11.869	0.007	1	525	NC	
106 Dibenz(a,h)anthracene	278	13.196	13.171	0.029	1	365	14.3	
107 Benzo[g,h,i]perylene	276	13.479	13.465	0.018	1	323	4.01	
124 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 18-Mar-2022 20:33:39 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A15.D

Injection Date: 18-Mar-2022 14:53:30 Instrument ID: TAC051

Lims ID: 580-110975-A-2-A Lab Sample ID: 580-110975-2

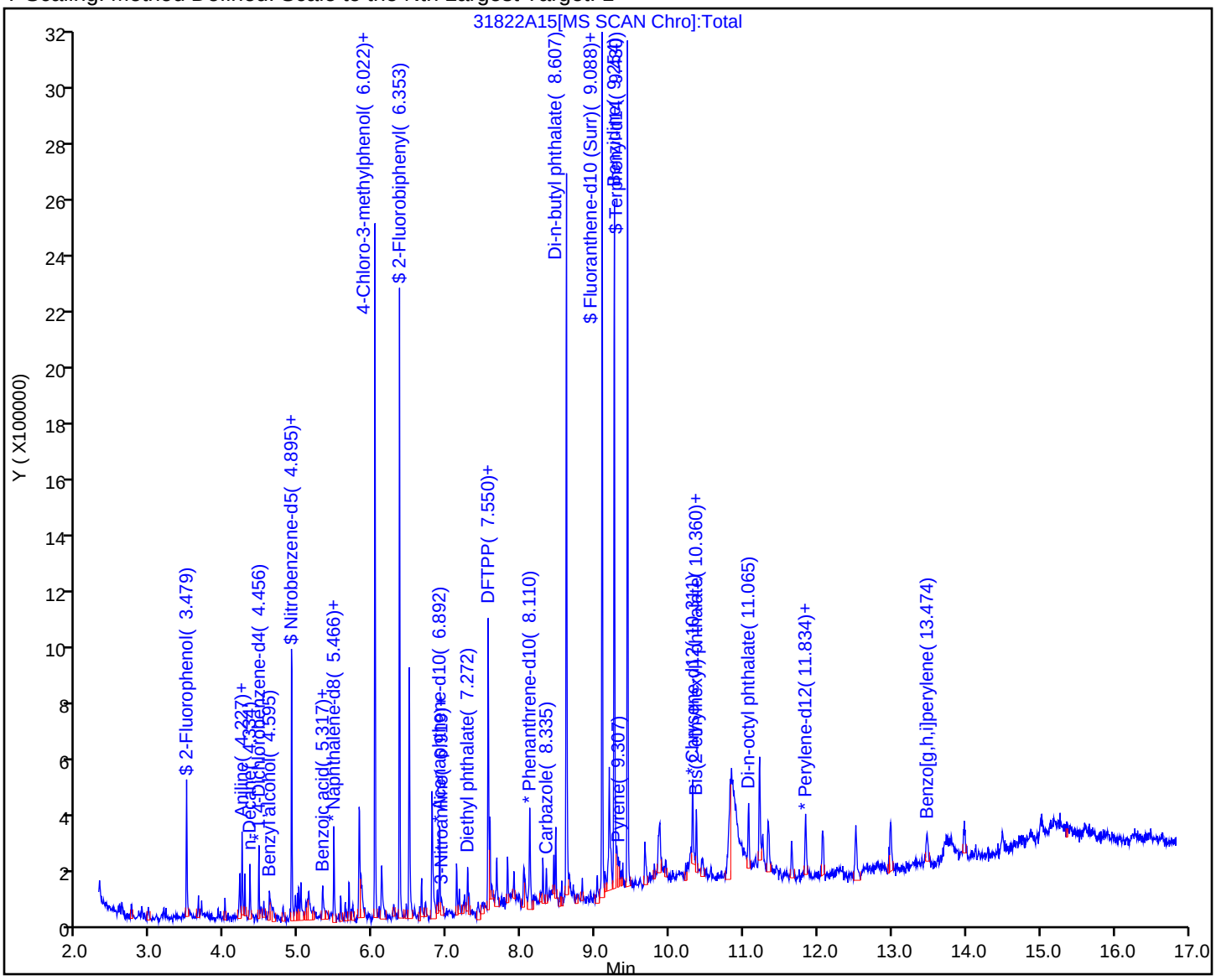
Client ID: ERH2648 (RHMW08)

Operator ID: TL ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A15.D
Lims ID: 580-110975-A-2-A
Client ID: ERH2648 (RHMW08)
Sample Type: Client
Inject. Date: 18-Mar-2022 14:53:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-2-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:31:09 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:28:43

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	428.2	42.82
$ 8 Phenol-d5	1000.0	229.5	22.95
$ 9 Nitrobenzene-d5	1000.0	686.1	68.61
$ 11 2-Fluorobiphenyl	1000.0	668.6	66.86
$ 12 2,4,6-Tribromophenol	1000.0	856.2	85.62
$ 14 Terphenyl-d14	1000.0	1022.8	102.28

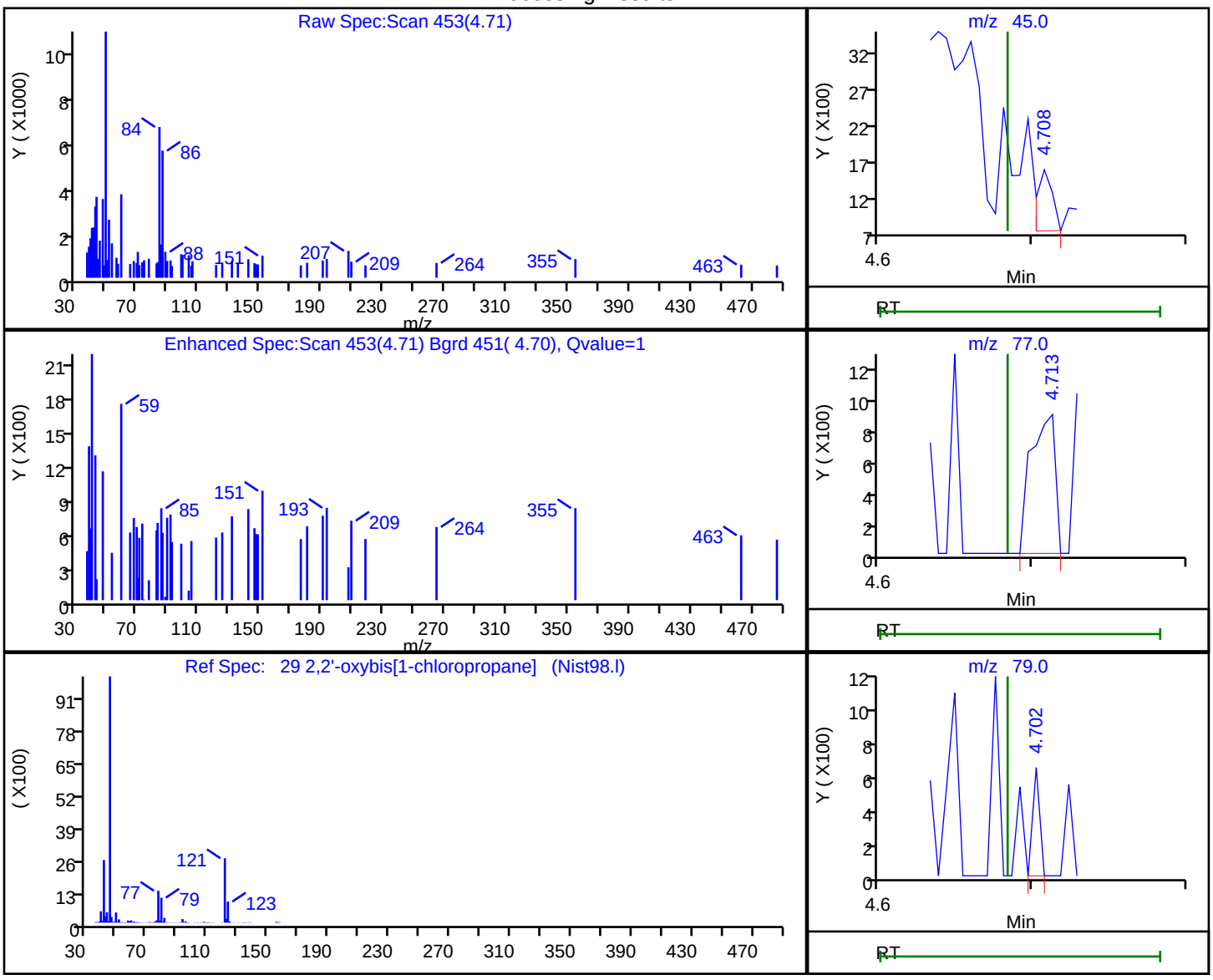
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A15.D				
Injection Date:	18-Mar-2022 14:53:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	TL	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.71	45.00	573	1.798227
4.71	77.00	982	
4.70	79.00	207	

Reviewer: boylea, 18-Mar-2022 20:28:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2649 (OWDFMW07A) | Lab Sample ID: 580-110975-3

Matrix: Water | Lab File ID: 30822A08.D

Analysis Method: 8270E | Date Collected: 02/28/2022 13:40

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 978.2(mL) | Date Analyzed: 03/08/2022 12:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.31	U Q	0.41	0.31	0.092
95-50-1	1,2-Dichlorobenzene	0.15	U Q	0.41	0.15	0.051
541-73-1	1,3-Dichlorobenzene	0.092	U Q	0.41	0.092	0.041
106-46-7	1,4-Dichlorobenzene	0.092	U Q	0.41	0.092	0.041
95-95-4	2,4,5-Trichlorophenol	0.31	U	0.41	0.31	0.10
88-06-2	2,4,6-Trichlorophenol	0.31	U	0.61	0.31	0.10
120-83-2	2,4-Dichlorophenol	0.51	U	1.0	0.51	0.20
105-67-9	2,4-Dimethylphenol	0.51	U	4.1	0.51	0.16
51-28-5	2,4-Dinitrophenol	3.3	U	5.1	3.3	1.6
121-14-2	2,4-Dinitrotoluene	0.31	U	1.0	0.31	0.10
606-20-2	2,6-Dinitrotoluene	0.31	U	0.41	0.31	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.072
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.051
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.072
91-94-1	3,3'-Dichlorobenzidine	0.61	U	1.0	0.61	0.27
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.56
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.61	0.15	0.061
59-50-7	4-Chloro-3-methylphenol	0.31	U	0.61	0.31	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.61	0.15	0.051
103-33-3	Azobenzene	0.15	U	2.0	0.15	0.061
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.61	0.15	0.051
111-44-4	Bis(2-chloroethyl)ether	0.092	U	0.10	0.092	0.031
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.1	1.6	0.76
85-68-7	Butyl benzyl phthalate	0.61	U	4.1	0.61	0.28
84-66-2	Diethyl phthalate	0.17	J	1.0	0.31	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.61	0.15	0.061
84-74-2	Di-n-butyl phthalate	0.51	U	3.1	0.51	0.19
117-84-0	Di-n-octyl phthalate	0.31	U M	1.0	0.31	0.13
118-74-1	Hexachlorobenzene	0.092	U	0.61	0.092	0.041
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.061
77-47-4	Hexachlorocyclopentadiene	0.31	U Q	1.0	0.31	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.051
78-59-1	Isophorone	0.31	U	0.41	0.31	0.10
15831-10-4	m+p-Cresol	0.31	U	0.61	0.31	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2649 (OWDFMW07A) | Lab Sample ID: 580-110975-3

Matrix: Water | Lab File ID: 30822A08.D

Analysis Method: 8270E | Date Collected: 02/28/2022 13:40

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 978.2(mL) | Date Analyzed: 03/08/2022 12:49

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	0.092	U	1.0	0.092	0.041
62-75-9	N-Nitrosodimethylamine	0.61	U	2.0	0.61	0.27
621-64-7	N-Nitrosodi-n-propylamine	0.092	U	0.41	0.092	0.061
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.072
95-48-7	o-Cresol	0.15	U	0.61	0.15	0.051
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.52
108-95-2	Phenol	0.61	U	1.0	0.61	0.37
129-00-0	Pyrene	0.092	U	1.0	0.092	0.041
110-86-1	Pyridine	3.3	U	10	3.3	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	88		43-140
321-60-8	2-Fluorobiphenyl	67		44-119
367-12-4	2-Fluorophenol (Surr)	46		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	73		44-120
4165-62-2	Phenol-d5 (Surr)	29		10-120
1718-51-0	Terphenyl-d14	117		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A08.D
Lims ID: 580-110975-B-3-A
Client ID: ERH2649 (OWDFMW07A)
Sample Type: Client
Inject. Date: 08-Mar-2022 12:49:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-b-3-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:33:19 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:33:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.468	4.466	0.002	76	16342	100.0	
* 2 Naphthalene-d8	136	5.477	5.481	-0.004	95	61326	100.0	
* 3 Acenaphthene-d10	164	6.909	6.907	0.002	76	32635	100.0	
* 4 Phenanthrene-d10	188	8.122	8.120	0.002	89	52529	100.0	
* 5 Chrysene-d12	240	10.323	10.321	0.003	86	47100	100.0	
* 6 Perylene-d12	264	11.850	11.848	0.002	88	57980	100.0	
$ 7 2-Fluorophenol	112	3.506	3.504	0.002	84	69799	462.5	
$ 8 Phenol-d5	99	4.259	4.257	0.002	97	49284	291.6	
$ 9 Nitrobenzene-d5	82	4.906	4.909	-0.003	87	106823	731.8	
$ 10 2-methylnaphthalene-d10	152	6.033	6.031	0.002	0	232880	NC	
$ 11 2-Fluorobiphenyl	172	6.364	6.367	-0.003	99	291217	671.1	
$ 12 2,4,6-Tribromophenol	330	7.566	7.564	0.002	75	62114	878.7	
$ 13 Fluoranthene-d10 (Surr)	212	9.099	9.097	0.002	0	501474	NC	
$ 14 Terphenyl-d14	244	9.441	9.444	-0.003	95	459466	1167.9	
15 1,4-Dioxane	88	2.486	2.475	0.011	6	571	NC	
22 n-Decane	57	4.345	4.343	0.002	77	12507	96.9	
39 Benzoic acid	105	5.360	5.360	0.008	19	13153	431.3	a
68 Diethyl phthalate	149	7.288	7.286	0.002	85	35002	82.7	
84 Di-n-butyl phthalate	149	8.629	8.627	0.002	55	18576	22.1	
94 Butyl benzyl phthalate	149	9.858	9.856	0.002	45	12507	43.9	
98 Bis(2-ethylhexyl) phthalate	149	10.371	10.374	-0.003	44	28302	65.4	
86 2,3-Dichlorobenzenamine	161	11.428	11.416	0.012	1	698	NC	
91 Nonylphenol	135	11.872	11.848	0.024	0	999	NC	
124 DFTPP								

QC Flag Legend

Processing Flags
NC - Not Calibrated

Review Flags
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

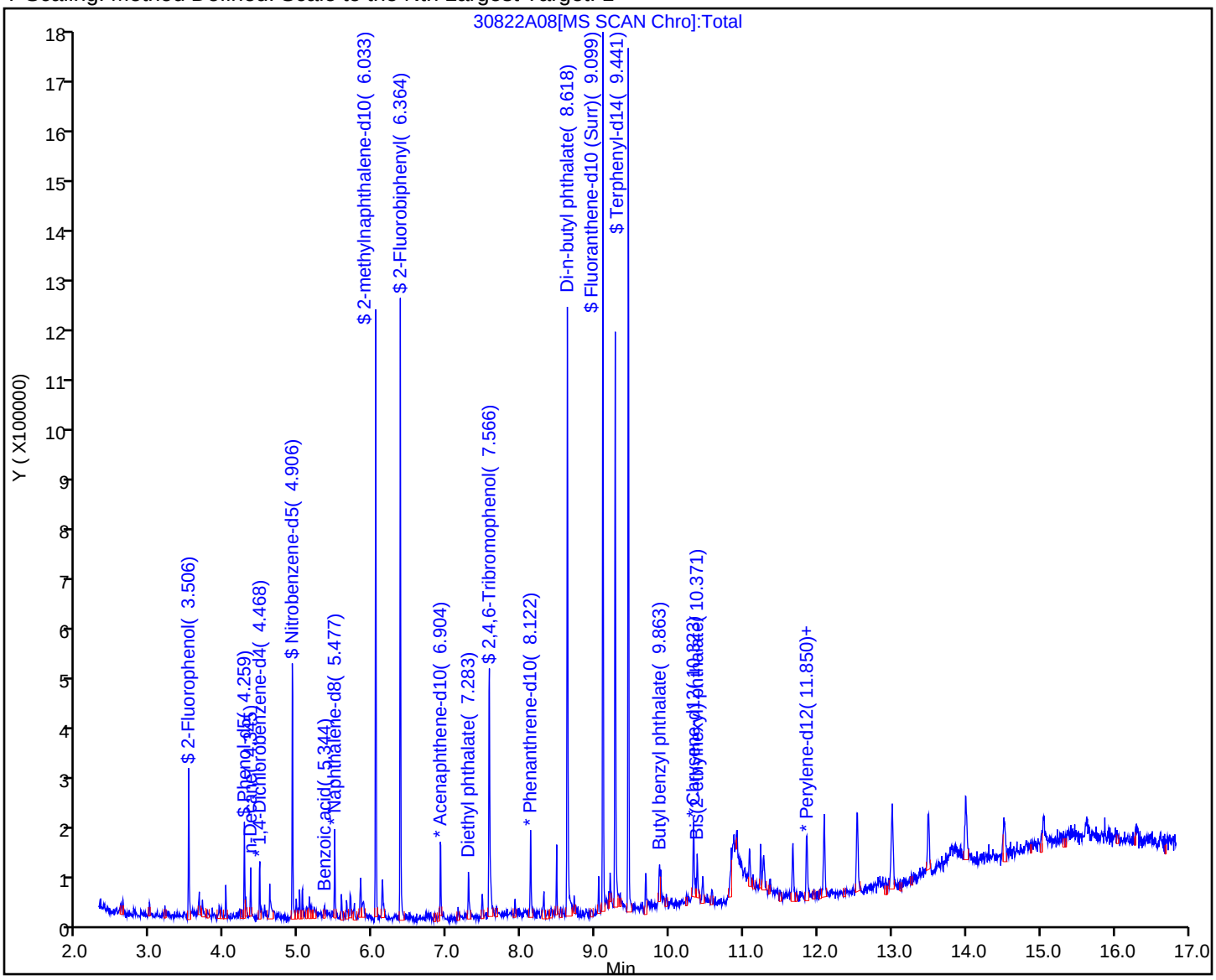
Report Date: 09-Mar-2022 09:33:19 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A08.D

Injection Date:	08-Mar-2022 12:49:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-3-A	Lab Sample ID:	580-110975-3		
Client ID:	ERH2649 (OWDFMW07A)				
Operator ID:	TL	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A08.D
Lims ID: 580-110975-B-3-A
Client ID: ERH2649 (OWDFMW07A)
Sample Type: Client
Inject. Date: 08-Mar-2022 12:49:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-b-3-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:33:19 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

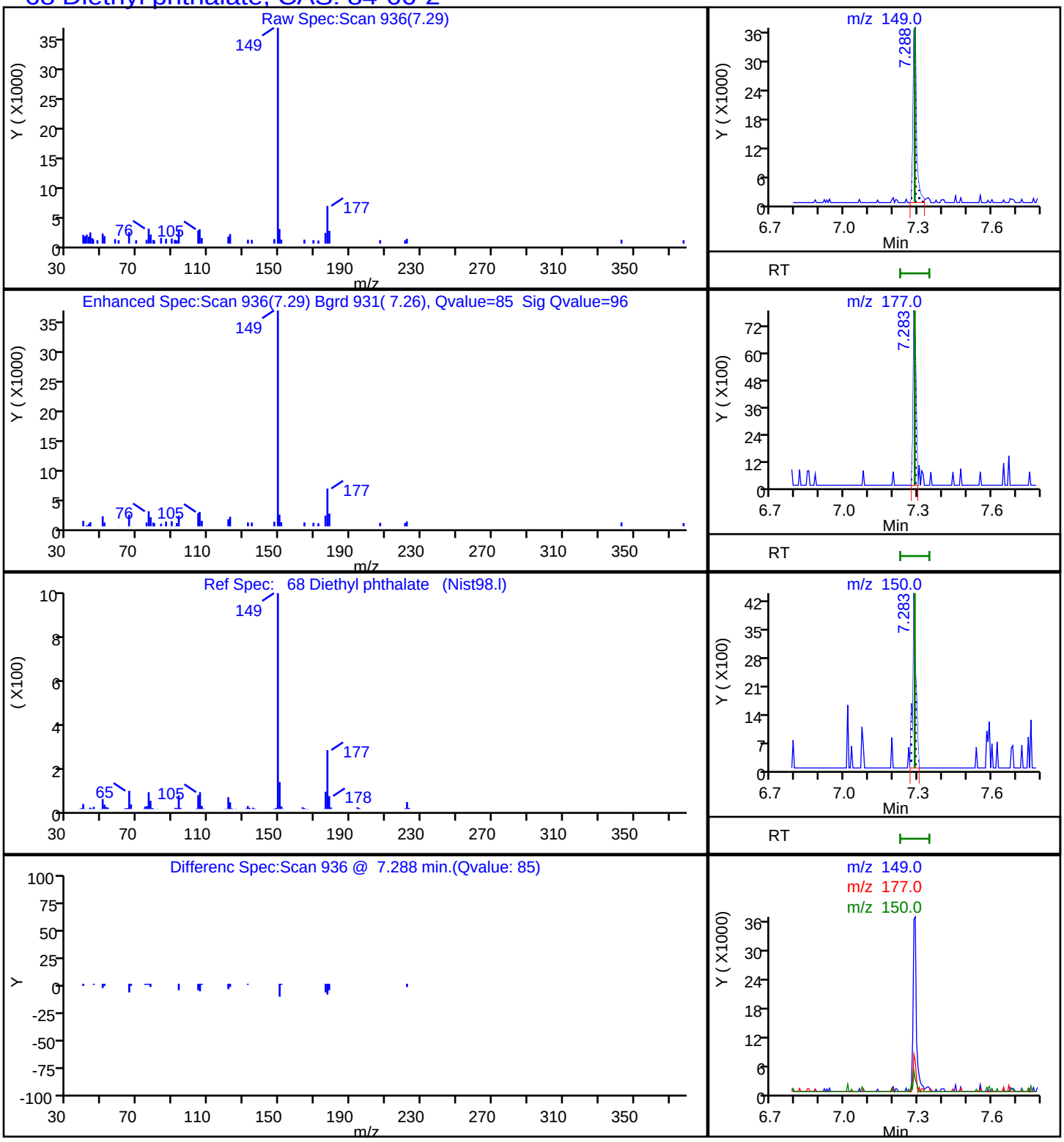
First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:33:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	462.5	46.25
$ 8 Phenol-d5	1000.0	291.6	29.16
$ 9 Nitrobenzene-d5	1000.0	731.8	73.18
$ 11 2-Fluorobiphenyl	1000.0	671.1	67.11
$ 12 2,4,6-Tribromophenol	1000.0	878.7	87.87
$ 14 Terphenyl-d14	1000.0	1167.9	116.79

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A08.D
Injection Date: 08-Mar-2022 12:49:30 Instrument ID: TAC051
Lims ID: 580-110975-B-3-A Lab Sample ID: 580-110975-3
Client ID: ERH2649 (OWDFMW07A)
Operator ID: TL ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

68 Diethyl phthalate, CAS: 84-66-2



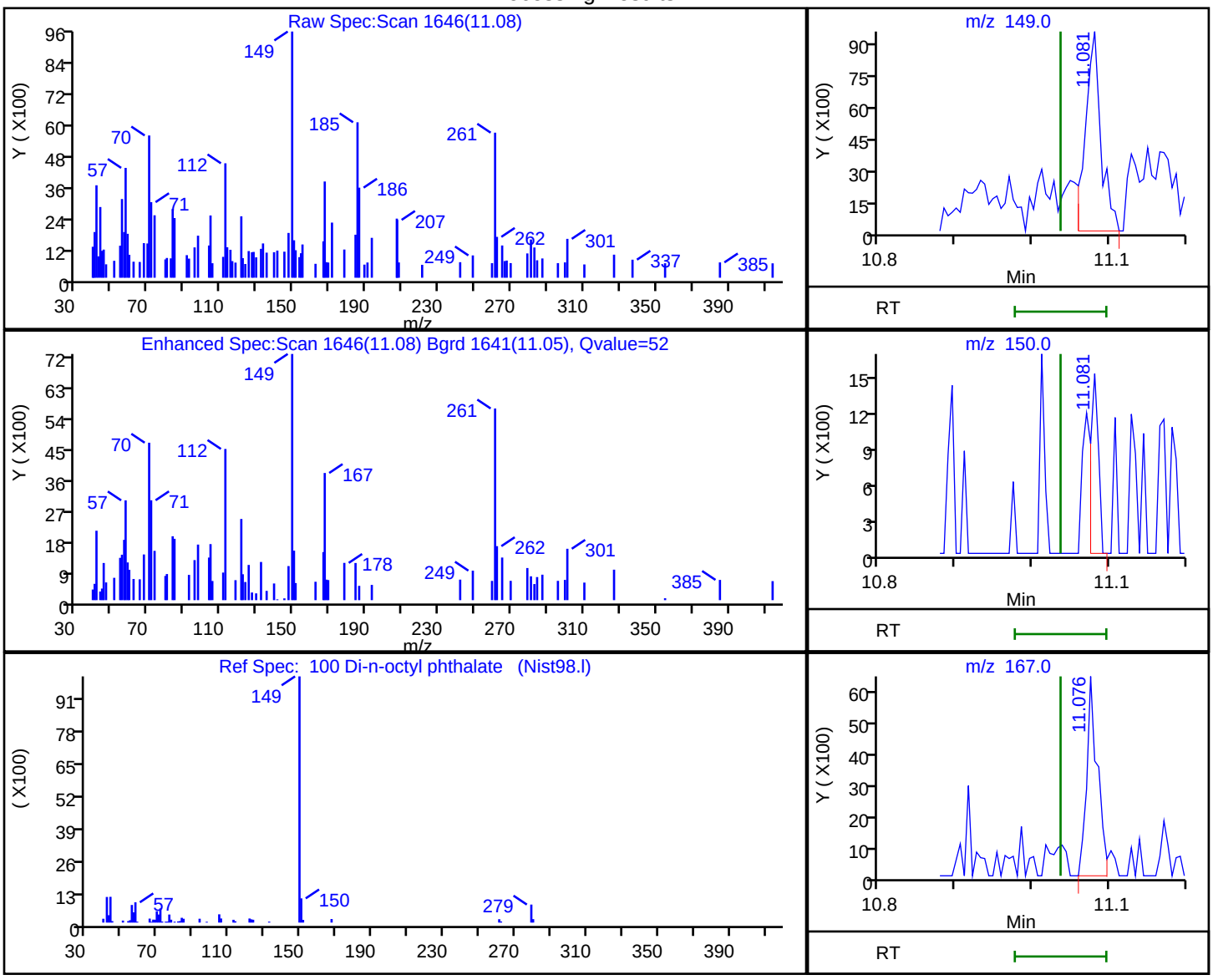
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A08.D				
Injection Date:	08-Mar-2022 12:49:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-3-A	Lab Sample ID:	580-110975-3		
Client ID:	ERH2649 (OWDFMW07A)				
Operator ID:	TL	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.08	149.00	13285	17.306171
11.08	150.00	1009	
11.08	167.00	6370	

Reviewer: thaneeratw, 09-Mar-2022 09:32:50

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2649 (OWDFMW07A) RA | Lab Sample ID: 580-110975-3 RA

Matrix: Water | Lab File ID: 31822A16.D

Analysis Method: 8270E | Date Collected: 02/28/2022 13:40

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 978.2(mL) | Date Analyzed: 03/18/2022 15:16

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384307 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
100-02-7	4-Nitrophenol	6.1	U	10	6.1	1.7
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.26	0.15	0.061

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A16.D
Lims ID: 580-110975-B-3-A
Client ID: ERH2649 (OWDFMW07A)
Sample Type: Client
Inject. Date: 18-Mar-2022 15:16:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-b-3-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:31:09 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:29:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.452	4.454	-0.002	87	33916	100.0	
* 2 Naphthalene-d8	136	5.467	5.469	-0.002	96	121836	100.0	
* 3 Acenaphthene-d10	164	6.899	6.895	0.004	87	64764	100.0	
* 4 Phenanthrene-d10	188	8.112	8.108	0.004	91	104047	100.0	
* 5 Chrysene-d12	240	10.313	10.309	0.004	90	77996	100.0	
* 6 Perylene-d12	264	11.835	11.831	0.004	90	102401	100.0	
$ 7 2-Fluorophenol	112	3.475	3.474	0.004	86	130223	416.3	
$ 8 Phenol-d5	99	4.228	4.228	0.004	98	86243	245.6	
$ 9 Nitrobenzene-d5	82	4.896	4.896	-0.001	85	212216	731.8	
$ 10 2-methylnaphthalene-d10	152	6.023	6.017	0.004	0	475424	NC	
$ 11 2-Fluorobiphenyl	172	6.354	6.354	-0.002	98	558824	648.9	
$ 12 2,4,6-Tribromophenol	330	7.556	7.550	0.009	65	103927	748.4	
$ 13 Fluoranthene-d10 (Surr)	212	9.089	9.090	0.004	0	942218	NC	
$ 14 Terphenyl-d14	244	9.431	9.437	-0.002	97	857176	1100.0	
15 1,4-Dioxane	88	2.326	2.330	-0.002	12	909	NC	
18 Aniline	93	4.228	4.206	0.025	30	831	7.74	
22 n-Decane	57	4.335	4.335	0.004	78	28660	107.0	
26 Benzyl alcohol	79	4.602	4.586	0.020	1	798	11.2	
30 Acetophenone	105	4.805	4.784	0.025	1	650	1.51	
31 N-Nitrosodi-n-propylamine	70	4.773	4.789	-0.012	1	197	1.17	
46 4-Chloro-3-methylphenol	107	6.028	5.975	0.052	21	1160	42.0	
47 2-Methylnaphthalene	142	6.050	6.044	0.004	16	1608	2.03	
24 Cyclohexanone	55	6.514	6.501	0.018	2	685	NC	
57 Dimethyl phthalate	163	6.701	6.696	0.004	51	7860	6.89	
61 3-Nitroaniline	138	6.894	6.888	0.004	1	179	74.2	
65 2,4-Dinitrotoluene	165	7.123	7.070	0.052	1	405	61.4	
68 Diethyl phthalate	149	7.278	7.273	0.004	68	14753	17.6	
74 Azobenzene	77	7.476	7.486	-0.007	1	861	5.31	
79 n-Octadecane	57	8.037	8.053	-0.012	1	2593	9.41	
84 Di-n-butyl phthalate	149	8.614	8.619	-0.001	73	36799	22.1	
85 Fluoranthene	202	9.095	9.106	-0.006	1	926	1.32	
88 Benzidine	184	9.255	9.245	0.015	29	932	90.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
94 Butyl benzyl phthalate	149	9.848	9.848	0.004	81	23286	48.4	
95 4,4'-DDT	235	9.896	9.915	-0.016	1	487	NC	
97 Benzo[a]anthracene	228	10.345	10.302	0.047	1	759	7.82	
98 Bis(2-ethylhexyl) phthalate	149	10.361	10.366	-0.001	88	57987	81.0	
100 Di-n-octyl phthalate	149	11.066	11.023	0.047	65	21264	15.7	
86 2,3-Dichlorobenzenamine	161	11.424	11.413	0.008	1	620	NC	
91 Nonylphenol	135	11.857	11.854	0.009	0	1380	NC	
107 Benzo[g,h,i]perylene	276	13.411	13.465	-0.050	1	223	3.94	
124 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 18-Mar-2022 20:33:32 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A16.D

Injection Date: 18-Mar-2022 15:16:30 Instrument ID: TAC051

Lims ID: 580-110975-B-3-A Lab Sample ID: 580-110975-3

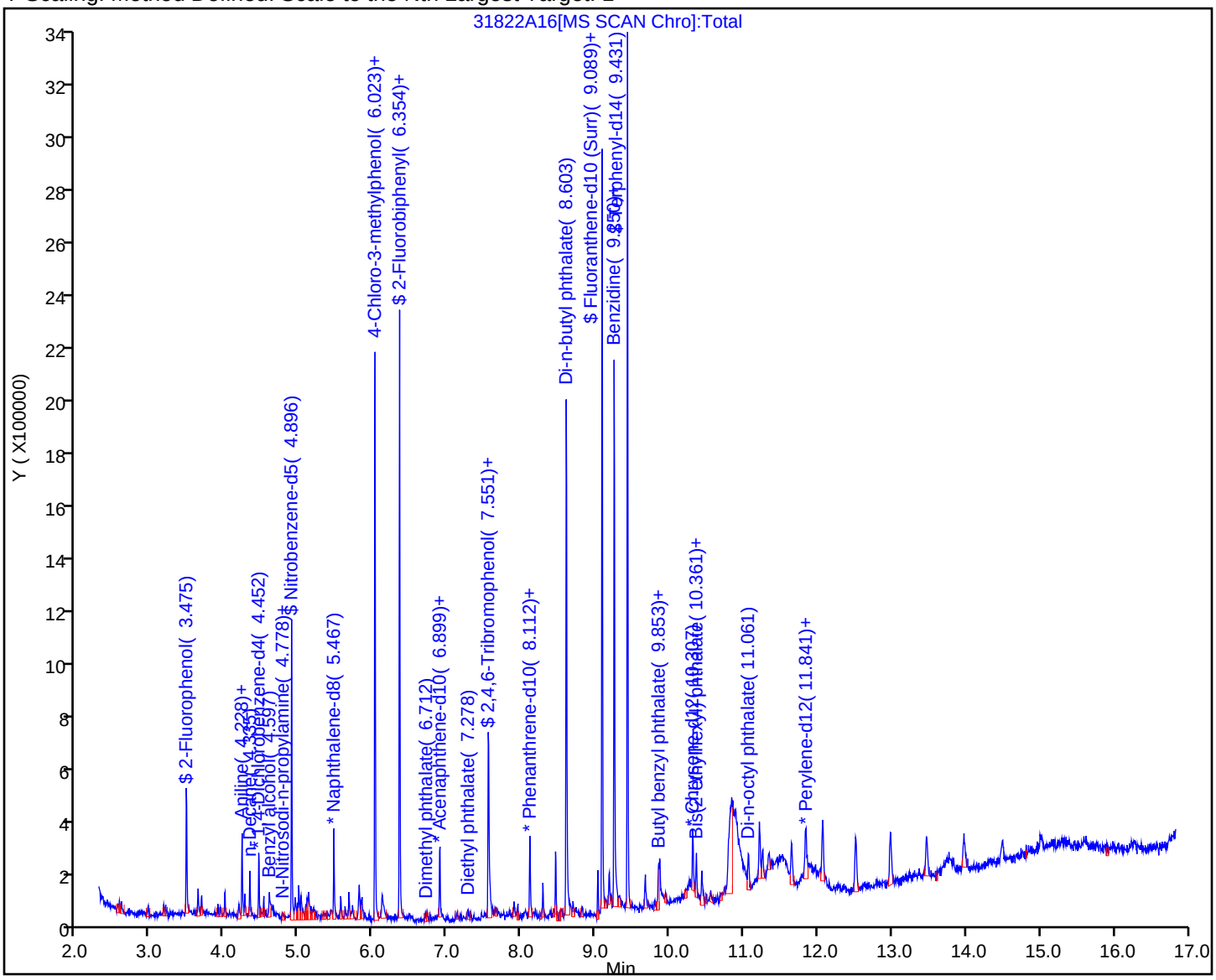
Client ID: ERH2649 (OWDFMW07A)

Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A16.D
Lims ID: 580-110975-B-3-A
Client ID: ERH2649 (OWDFMW07A)
Sample Type: Client
Inject. Date: 18-Mar-2022 15:16:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-b-3-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:31:09 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:29:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	416.3	41.63
$ 8 Phenol-d5	1000.0	245.6	24.56
$ 9 Nitrobenzene-d5	1000.0	731.8	73.18
$ 11 2-Fluorobiphenyl	1000.0	648.9	64.89
$ 12 2,4,6-Tribromophenol	1000.0	748.4	74.84
$ 14 Terphenyl-d14	1000.0	1100.0	110.00

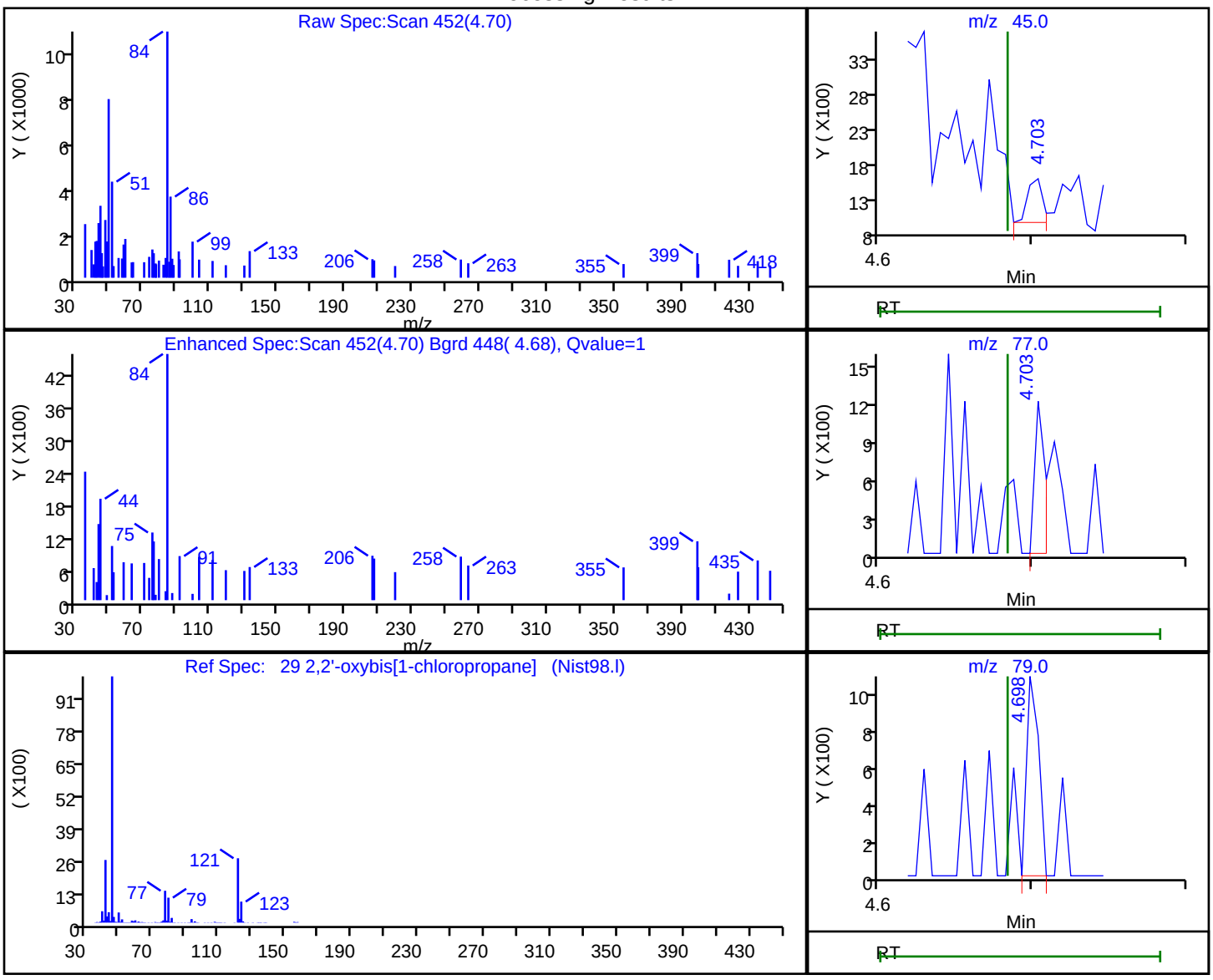
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A16.D				
Injection Date:	18-Mar-2022 15:16:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-3-A	Lab Sample ID:	580-110975-3		
Client ID:	ERH2649 (OWDFMW07A)				
Operator ID:	TL	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.70	45.00	419	1.273139
4.70	77.00	582	
4.70	79.00	588	

Reviewer: boylea, 18-Mar-2022 20:29:00

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2650 (OWDFMW08A) | Lab Sample ID: 580-110975-4

Matrix: Water | Lab File ID: 30822A09.D

Analysis Method: 8270E | Date Collected: 02/28/2022 09:45

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 994.8(mL) | Date Analyzed: 03/08/2022 13:12

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	0.15	U Q	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.090	U Q	0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	0.090	U Q	0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
103-33-3	Azobenzene	0.15	U	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.090	U	0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.21	J	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U M	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.090	U	0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U	0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2650 (OWDFMW08A) | Lab Sample ID: 580-110975-4

Matrix: Water | Lab File ID: 30822A09.D

Analysis Method: 8270E | Date Collected: 02/28/2022 09:45

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 994.8(mL) | Date Analyzed: 03/08/2022 13:12

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	0.090	U	1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.090	U	0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U	1.0	0.60	0.36
129-00-0	Pyrene	0.090	U	1.0	0.090	0.040
110-86-1	Pyridine	3.2	U	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		43-140
321-60-8	2-Fluorobiphenyl	83		44-119
367-12-4	2-Fluorophenol (Surr)	51		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	85		44-120
4165-62-2	Phenol-d5 (Surr)	29		10-120
1718-51-0	Terphenyl-d14	113		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A09.D
Lims ID: 580-110975-A-4-A
Client ID: ERH2650 (OWDFMW08A)
Sample Type: Client
Inject. Date: 08-Mar-2022 13:12:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-4-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:36:23 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:36:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.463	4.466	-0.003	77	14925	100.0	
* 2 Naphthalene-d8	136	5.478	5.481	-0.003	93	52988	100.0	
* 3 Acenaphthene-d10	164	6.904	6.907	-0.003	73	28368	100.0	
* 4 Phenanthrene-d10	188	8.122	8.120	0.002	90	49694	100.0	
* 5 Chrysene-d12	240	10.323	10.321	0.003	84	43696	100.0	
* 6 Perylene-d12	264	11.851	11.848	0.003	88	57899	100.0	
$ 7 2-Fluorophenol	112	3.507	3.504	0.003	82	69943	507.0	
$ 8 Phenol-d5	99	4.260	4.257	0.003	96	44808	290.3	
$ 9 Nitrobenzene-d5	82	4.906	4.909	-0.003	86	107463	852.0	
$ 10 2-methylnaphthalene-d10	152	6.034	6.031	0.003	0	253133	NC	
$ 11 2-Fluorobiphenyl	172	6.365	6.367	-0.002	99	311613	826.1	
$ 12 2,4,6-Tribromophenol	330	7.567	7.564	0.003	76	54491	817.7	
$ 13 Fluoranthene-d10 (Surr)	212	9.100	9.097	0.003	0	466199	NC	
$ 14 Terphenyl-d14	244	9.442	9.444	-0.002	97	422087	1134.1	
22 n-Decane	57	4.346	4.343	0.003	65	12664	107.4	
68 Diethyl phthalate	149	7.284	7.286	-0.002	87	38256	104.0	
84 Di-n-butyl phthalate	149	8.630	8.627	0.003	73	25553	33.0	
94 Butyl benzyl phthalate	149	9.859	9.856	0.003	59	11204	42.7	
98 Bis(2-ethylhexyl) phthalate	149	10.371	10.374	-0.003	81	44692	111.6	
86 2,3-Dichlorobenzenamine	161	11.408	11.416	-0.008	1	461	NC	
91 Nonylphenol	135	11.889	11.848	0.041	0	836	NC	
124 DFTPP								

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

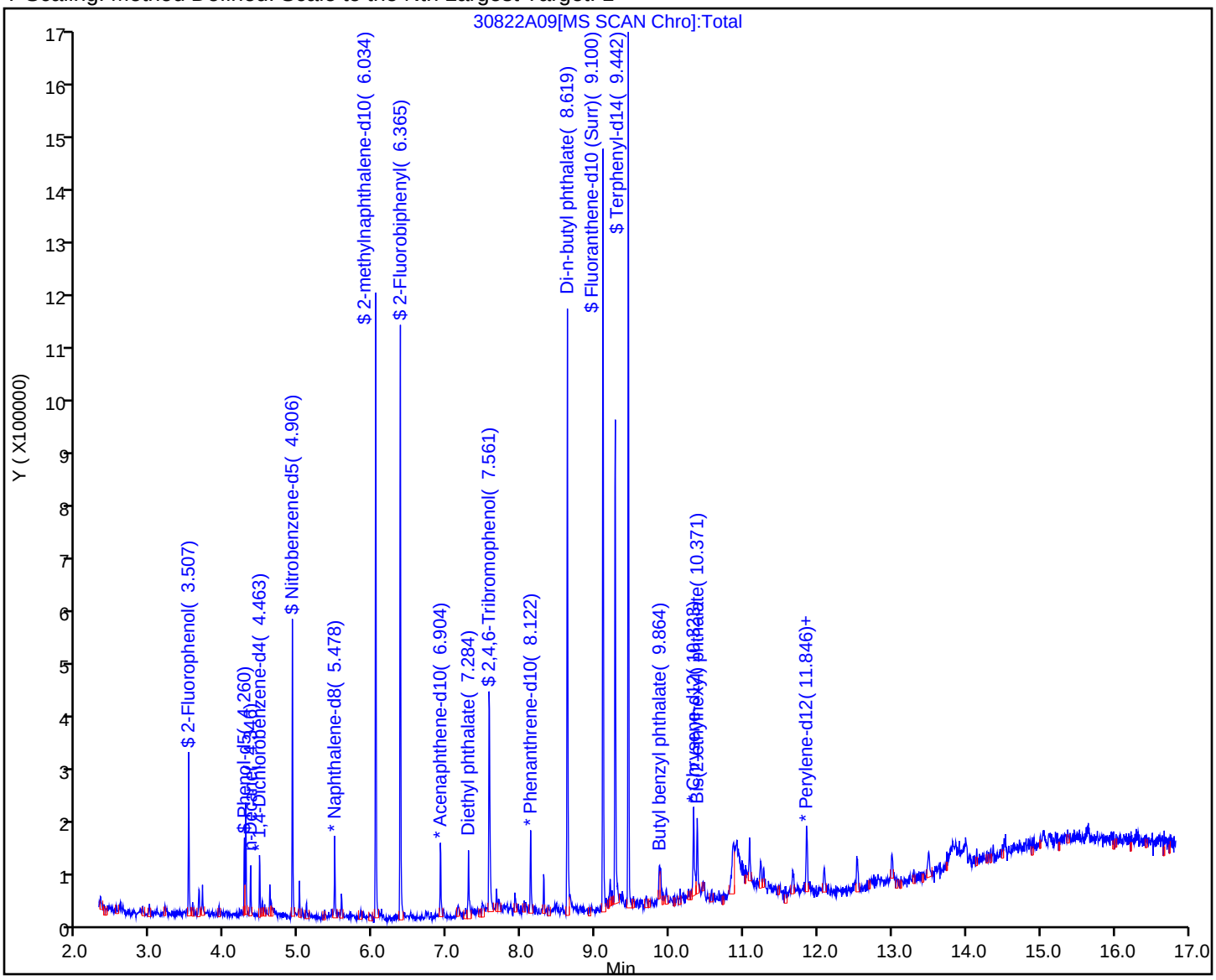
Report Date: 09-Mar-2022 09:36:24 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A09.D

Injection Date:	08-Mar-2022 13:12:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-4-A	Lab Sample ID:	580-110975-4		
Client ID:	ERH2650 (OWDFMW08A)				
Operator ID:	TL	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A09.D
Lims ID: 580-110975-A-4-A
Client ID: ERH2650 (OWDFMW08A)
Sample Type: Client
Inject. Date: 08-Mar-2022 13:12:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-4-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:36:23 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:36:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	507.0	50.70
$ 8 Phenol-d5	1000.0	290.3	29.03
$ 9 Nitrobenzene-d5	1000.0	852.0	85.20
$ 11 2-Fluorobiphenyl	1000.0	826.1	82.61
$ 12 2,4,6-Tribromophenol	1000.0	817.7	81.77
$ 14 Terphenyl-d14	1000.0	1134.1	113.41

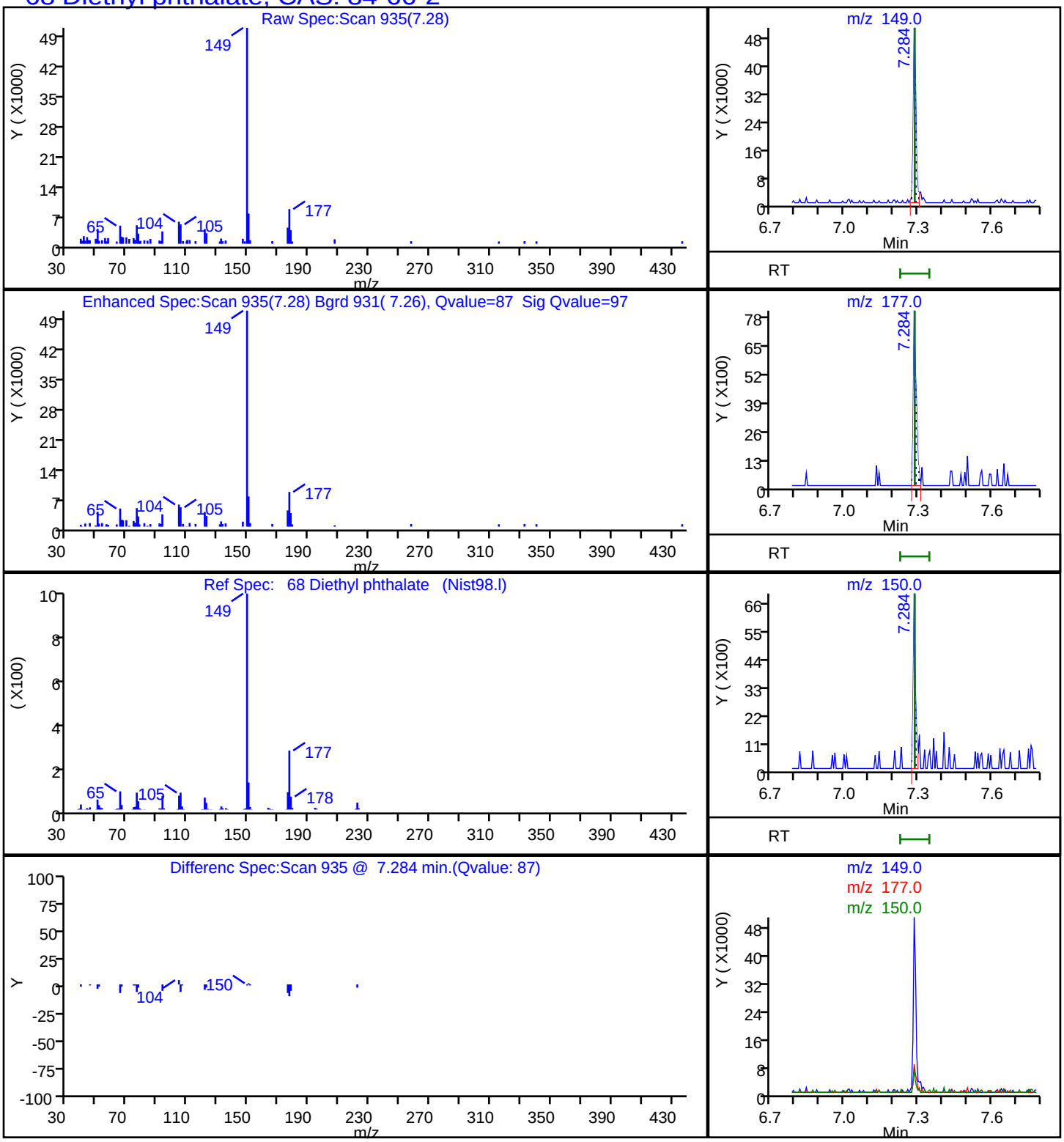
Report Date: 09-Mar-2022 09:36:24 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A09.D

Injection Date:	08-Mar-2022 13:12:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-4-A	Lab Sample ID:	580-110975-4		
Client ID:	ERH2650 (OWDFMW08A)				
Operator ID:	TL	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

68 Diethyl phthalate, CAS: 84-66-2



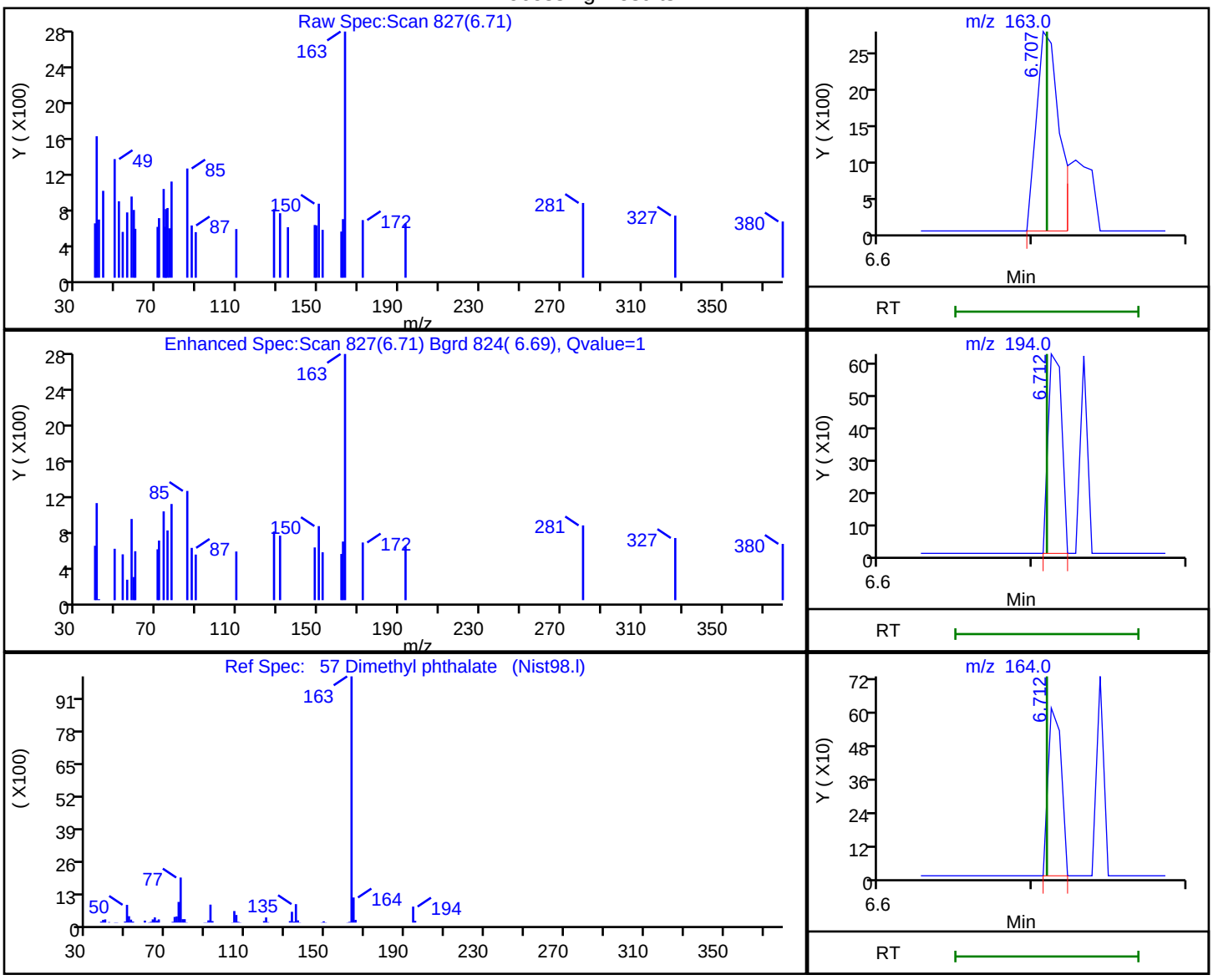
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A09.D				
Injection Date:	08-Mar-2022 13:12:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-4-A	Lab Sample ID:	580-110975-4		
Client ID:	ERH2650 (OWDFMW08A)				
Operator ID:	TL	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

57 Dimethyl phthalate, CAS: 131-11-3

Processing Results



RT	Mass	Response	Amount
6.71	163.00	2894	5.236539
6.71	194.00	386	
6.71	164.00	367	

Reviewer: thaneeratw, 09-Mar-2022 09:34:51

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

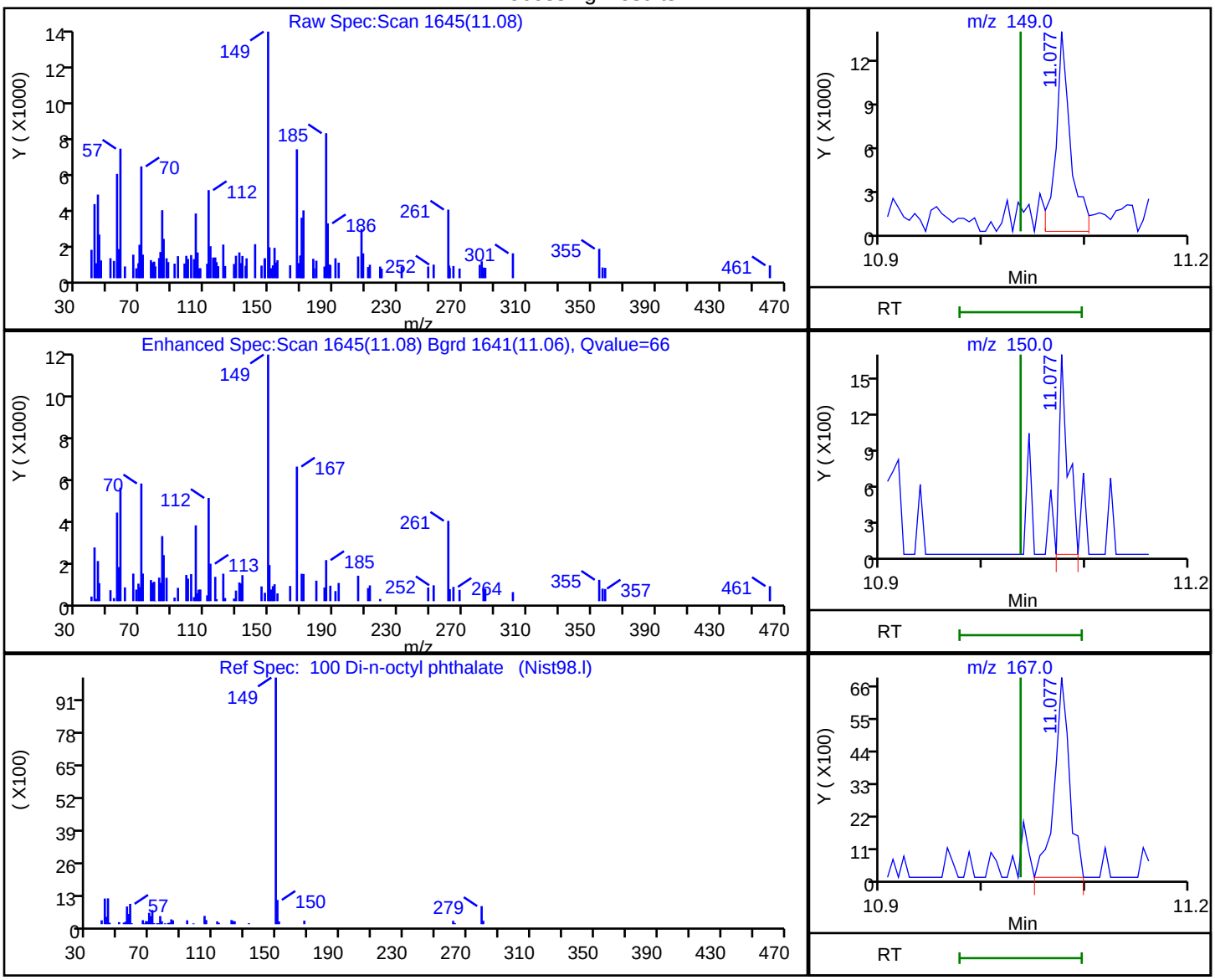
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A09.D				
Injection Date:	08-Mar-2022 13:12:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-4-A	Lab Sample ID:	580-110975-4		
Client ID:	ERH2650 (OWDFMW08A)				
Operator ID:	TL	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.08	149.00	12804	16.702914
11.08	150.00	963	
11.08	167.00	6950	

Reviewer: thaneeratw, 09-Mar-2022 09:35:54

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2650 (OWDFMW08A) RA | Lab Sample ID: 580-110975-4 RA

Matrix: Water | Lab File ID: 31822A17.D

Analysis Method: 8270E | Date Collected: 02/28/2022 09:45

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 994.8(mL) | Date Analyzed: 03/18/2022 15:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384307 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A17.D
Lims ID: 580-110975-A-4-A
Client ID: ERH2650 (OWDFMW08A)
Sample Type: Client
Inject. Date: 18-Mar-2022 15:40:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-4-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:29:19 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:29:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.452	4.454	-0.002	88	33556	100.0	
* 2 Naphthalene-d8	136	5.467	5.469	-0.003	92	117839	100.0	
* 3 Acenaphthene-d10	164	6.898	6.895	0.003	81	60156	100.0	
* 4 Phenanthrene-d10	188	8.111	8.108	0.003	88	107172	100.0	
* 5 Chrysene-d12	240	10.312	10.309	0.003	90	82402	100.0	
* 6 Perylene-d12	264	11.834	11.831	0.003	88	88613	100.0	
$ 7 2-Fluorophenol	112	3.479	3.471	0.008	80	138628	447.6	
$ 8 Phenol-d5	99	4.227	4.224	0.003	98	84292	242.6	
$ 9 Nitrobenzene-d5	82	4.895	4.897	-0.002	87	203508	725.6	
$ 10 2-methylnaphthalene-d10	152	6.022	6.019	0.003	0	497534	NC	
$ 11 2-Fluorobiphenyl	172	6.353	6.356	-0.003	99	622938	778.8	
$ 12 2,4,6-Tribromophenol	330	7.555	7.547	0.008	77	96237	676.7	
$ 13 Fluoranthene-d10 (Surr)	212	9.088	9.085	0.003	0	917100	NC	
$ 14 Terphenyl-d14	244	9.430	9.433	-0.003	96	776333	967.2	
15 1,4-Dioxane	88	2.325	2.328	-0.003	0	1451	NC	
16 N-Nitrosodimethylamine	74	2.422	2.408	0.014	1	558	28.1	
19 Phenol	94	4.238	4.229	0.009	10	1628	4.83	
22 n-Decane	57	4.334	4.331	0.003	89	24277	91.6	
26 Benzyl alcohol	79	4.601	4.582	0.019	1	369	9.15	
30 Acetophenone	105	4.783	4.780	0.003	15	1812	4.26	
46 4-Chloro-3-methylphenol	107	6.022	5.976	0.046	33	438	39.3	
48 1-Methylnaphthalene	142	6.134	6.126	0.008	1	776	1.06	
24 Cyclohexanone	55	6.487	6.496	-0.009	1	609	NC	
68 Diethyl phthalate	149	7.272	7.274	-0.002	81	30951	39.7	
69 Fluorene	166	7.384	7.344	0.040	1	903	1.27	
74 Azobenzene	77	7.497	7.483	0.014	1	664	4.94	
79 n-Octadecane	57	8.052	8.049	0.003	1	3863	12.9	
84 Di-n-butyl phthalate	149	8.613	8.615	-0.002	85	48085	28.6	
94 Butyl benzyl phthalate	149	9.847	9.844	0.003	70	20992	42.4	
98 Bis(2-ethylhexyl) phthalate	149	10.360	10.362	-0.002	80	85734	113.5	
100 Di-n-octyl phthalate	149	11.065	11.019	0.046	76	23763	20.3	
86 2,3-Dichlorobenzenamine	161	11.412	11.416	-0.004	1	891	NC	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
91 Nonylphenol	135	11.856	11.848	0.008	0	335	NC	
92 2,4'-DDT	235	11.829	11.864	-0.035	1	607	NC	
124 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

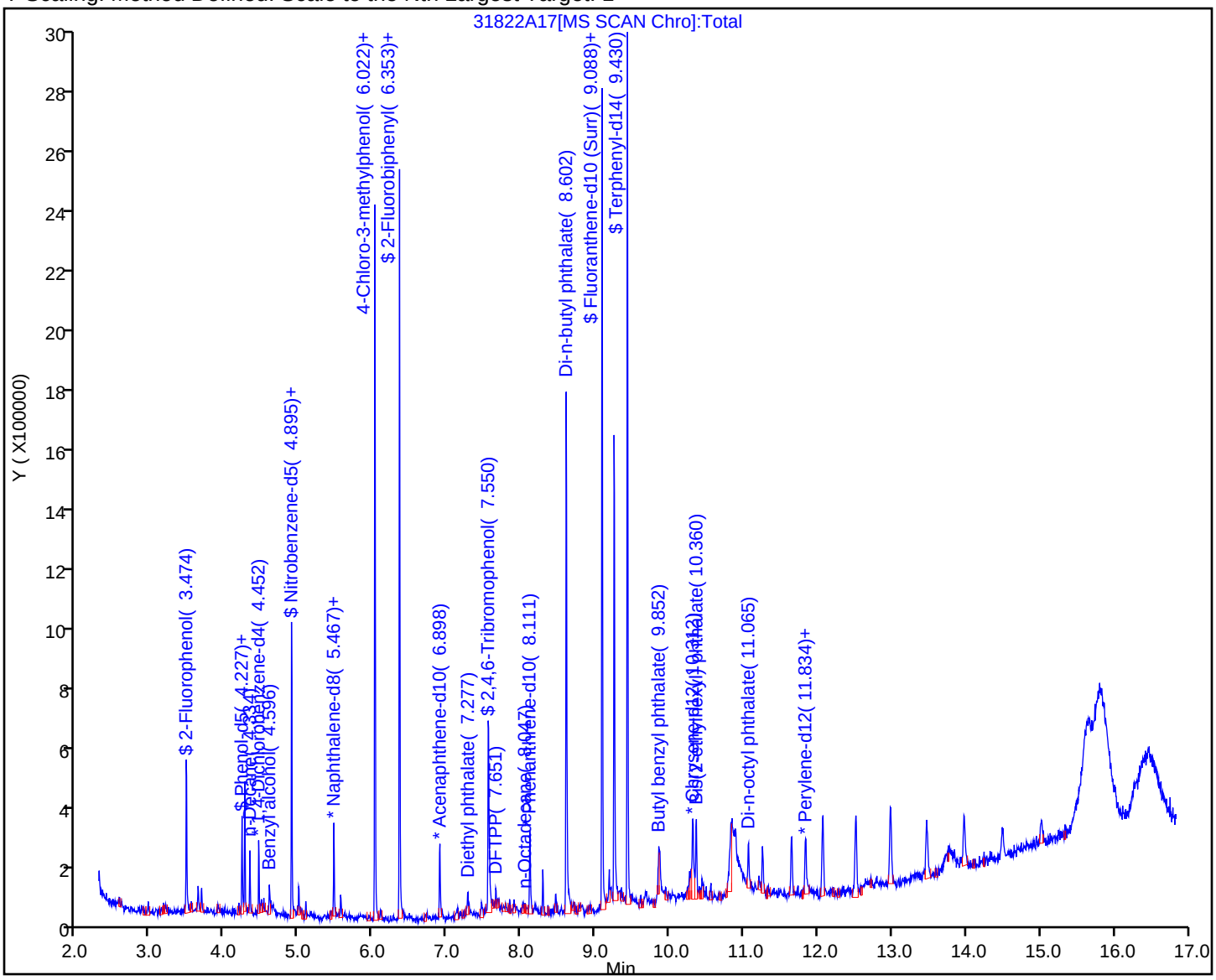
Report Date: 18-Mar-2022 20:29:20 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A17.D

Injection Date:	18-Mar-2022 15:40:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-4-A	Lab Sample ID:	580-110975-4		
Client ID:	ERH2650 (OWDFMW08A)				
Operator ID:	TL	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A17.D
Lims ID: 580-110975-A-4-A
Client ID: ERH2650 (OWDFMW08A)
Sample Type: Client
Inject. Date: 18-Mar-2022 15:40:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-4-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:29:19 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:29:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	447.6	44.76
$ 8 Phenol-d5	1000.0	242.6	24.26
$ 9 Nitrobenzene-d5	1000.0	725.6	72.56
$ 11 2-Fluorobiphenyl	1000.0	778.8	77.88
$ 12 2,4,6-Tribromophenol	1000.0	676.7	67.67
$ 14 Terphenyl-d14	1000.0	967.2	96.72

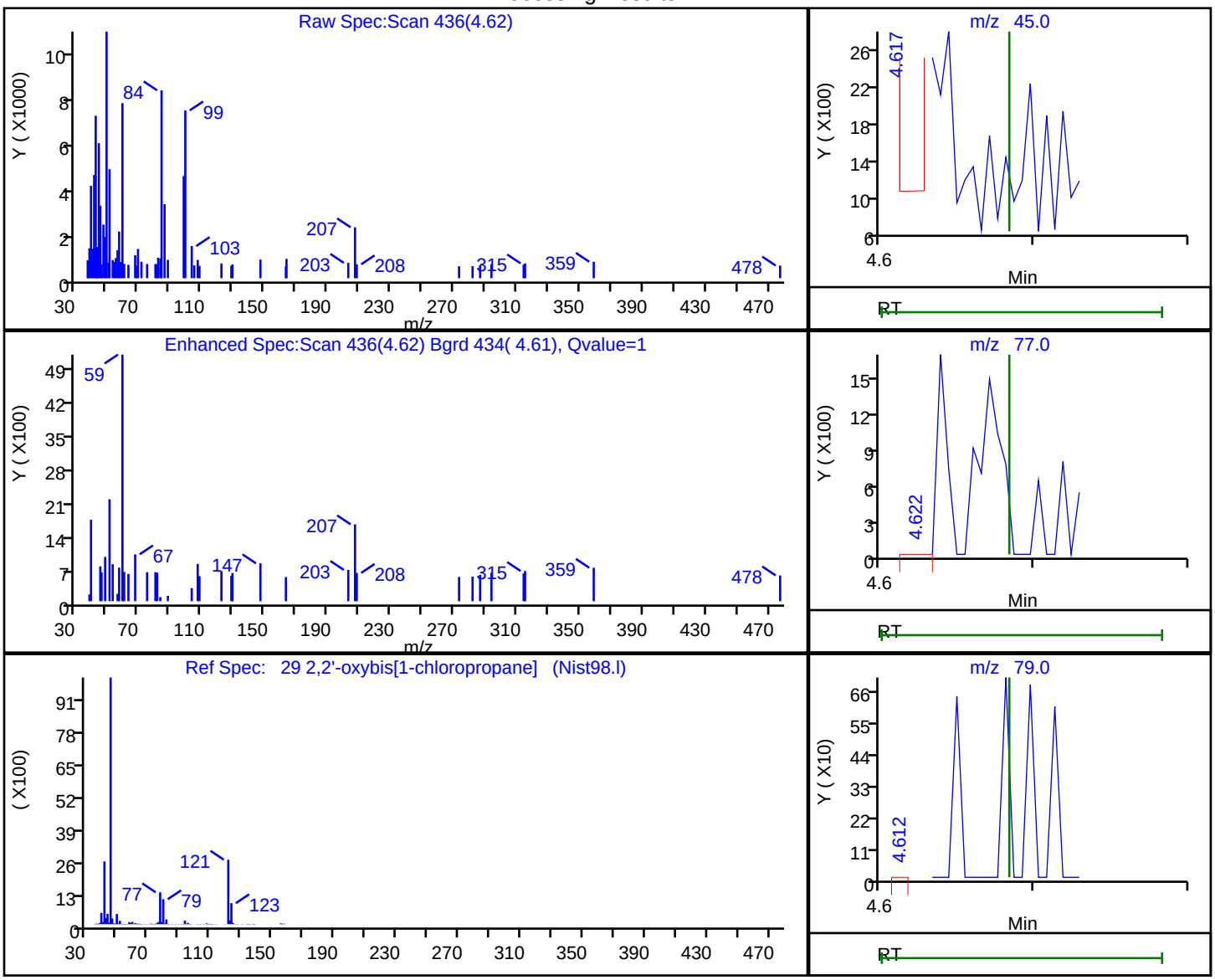
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A17.D				
Injection Date:	18-Mar-2022 15:40:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-4-A	Lab Sample ID:	580-110975-4		
Client ID:	ERH2650 (OWDFMW08A)				
Operator ID:	TL	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.62	45.00	2750	8.445570
4.62	77.00	376	
4.61	79.00	381	

Reviewer: boylea, 18-Mar-2022 20:29:06

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2651 (OWDFMW08A FD) | Lab Sample ID: 580-110975-5

Matrix: Water | Lab File ID: 30822A10.D

Analysis Method: 8270E | Date Collected: 02/28/2022 09:45

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1052.5(mL) | Date Analyzed: 03/08/2022 13:35

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.29	U Q	0.38	0.29	0.086
95-50-1	1,2-Dichlorobenzene	0.14	U Q	0.38	0.14	0.048
541-73-1	1,3-Dichlorobenzene	0.086	U Q	0.38	0.086	0.038
106-46-7	1,4-Dichlorobenzene	0.086	U Q	0.38	0.086	0.038
95-95-4	2,4,5-Trichlorophenol	0.29	U	0.38	0.29	0.095
88-06-2	2,4,6-Trichlorophenol	0.29	U	0.57	0.29	0.095
120-83-2	2,4-Dichlorophenol	0.48	U	0.95	0.48	0.19
105-67-9	2,4-Dimethylphenol	0.48	U	3.8	0.48	0.15
51-28-5	2,4-Dinitrophenol	3.0	U	4.8	3.0	1.5
121-14-2	2,4-Dinitrotoluene	0.29	U	0.95	0.29	0.095
606-20-2	2,6-Dinitrotoluene	0.29	U	0.38	0.29	0.095
91-58-7	2-Chloronaphthalene	0.14	U	0.95	0.14	0.067
95-57-8	2-Chlorophenol	0.14	U	0.95	0.14	0.048
88-75-5	2-Nitrophenol	0.14	U	0.95	0.14	0.067
91-94-1	3,3'-Dichlorobenzidine	0.57	U	0.95	0.57	0.25
534-52-1	4,6-Dinitro-2-methylphenol	1.1	U	1.9	1.1	0.52
101-55-3	4-Bromophenyl phenyl ether	0.14	U	0.57	0.14	0.057
59-50-7	4-Chloro-3-methylphenol	0.29	U	0.57	0.29	0.12
7005-72-3	4-Chlorophenyl phenyl ether	0.14	U	0.57	0.14	0.048
103-33-3	Azobenzene	0.14	U M	1.9	0.14	0.057
111-91-1	Bis(2-chloroethoxy)methane	0.14	U	0.57	0.14	0.048
111-44-4	Bis(2-chloroethyl)ether	0.086	U	0.095	0.086	0.029
117-81-7	Bis(2-ethylhexyl) phthalate	1.5	U	2.9	1.5	0.70
85-68-7	Butyl benzyl phthalate	0.57	U	3.8	0.57	0.26
84-66-2	Diethyl phthalate	0.31	J	0.95	0.29	0.14
131-11-3	Dimethyl phthalate	0.14	U	0.57	0.14	0.057
84-74-2	Di-n-butyl phthalate	0.48	U	2.9	0.48	0.18
117-84-0	Di-n-octyl phthalate	0.29	U M	0.95	0.29	0.12
118-74-1	Hexachlorobenzene	0.086	U	0.57	0.086	0.038
87-68-3	Hexachlorobutadiene	0.14	U Q	0.95	0.14	0.057
77-47-4	Hexachlorocyclopentadiene	0.29	U Q	0.95	0.29	0.13
67-72-1	Hexachloroethane	0.14	U Q	0.95	0.14	0.048
78-59-1	Isophorone	0.29	U	0.38	0.29	0.095
15831-10-4	m+p-Cresol	0.29	U	0.57	0.29	0.095

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2651 (OWDFMW08A FD) | Lab Sample ID: 580-110975-5

Matrix: Water | Lab File ID: 30822A10.D

Analysis Method: 8270E | Date Collected: 02/28/2022 09:45

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1052.5(mL) | Date Analyzed: 03/08/2022 13:35

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	0.086	U	0.95	0.086	0.038
62-75-9	N-Nitrosodimethylamine	0.57	U	1.9	0.57	0.25
621-64-7	N-Nitrosodi-n-propylamine	0.086	U	0.38	0.086	0.057
86-30-6	N-Nitrosodiphenylamine	0.14	U	0.95	0.14	0.067
95-48-7	o-Cresol	0.14	U	0.57	0.14	0.048
87-86-5	Pentachlorophenol	0.95	U	9.5	0.95	0.48
108-95-2	Phenol	0.57	U	0.95	0.57	0.34
129-00-0	Pyrene	0.086	U	0.95	0.086	0.038
110-86-1	Pyridine	3.0	U	9.5	3.0	1.0

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	71		43-140
321-60-8	2-Fluorobiphenyl	79		44-119
367-12-4	2-Fluorophenol (Surr)	43		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	63		44-120
4165-62-2	Phenol-d5 (Surr)	23		10-120
1718-51-0	Terphenyl-d14	112		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A10.D
Lims ID: 580-110975-A-5-A
Client ID: ERH2651 (OWDFMW08A FD)
Sample Type: Client
Inject. Date: 08-Mar-2022 13:35:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-5-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:40:40 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:40:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.468	4.466	0.002	86	16816	100.0	
* 2 Naphthalene-d8	136	5.477	5.481	-0.004	95	61580	100.0	
* 3 Acenaphthene-d10	164	6.904	6.907	-0.003	78	26050	100.0	
* 4 Phenanthrene-d10	188	8.122	8.120	0.002	89	48399	100.0	
* 5 Chrysene-d12	240	10.323	10.321	0.003	87	41268	100.0	
* 6 Perylene-d12	264	11.850	11.848	0.002	88	55442	100.0	
$ 7 2-Fluorophenol	112	3.506	3.504	0.002	74	66635	429.5	
$ 8 Phenol-d5	99	4.259	4.257	0.002	97	39641	227.6	
$ 9 Nitrobenzene-d5	82	4.906	4.909	-0.003	89	92742	632.7	
$ 10 2-methylnaphthalene-d10	152	6.033	6.031	0.002	0	227456	NC	
$ 11 2-Fluorobiphenyl	172	6.364	6.367	-0.003	98	274119	791.4	
$ 12 2,4,6-Tribromophenol	330	7.566	7.564	0.002	70	45553	707.4	
$ 13 Fluoranthene-d10 (Surr)	212	9.099	9.097	0.002	0	434681	NC	
$ 14 Terphenyl-d14	244	9.441	9.444	-0.003	96	407001	1122.8	
15 1,4-Dioxane	88	2.523	2.475	0.048	1	1558	NC	
22 n-Decane	57	4.345	4.343	0.002	76	11470	86.4	
68 Diethyl phthalate	149	7.283	7.286	-0.003	88	54504	161.4	
84 Di-n-butyl phthalate	149	8.629	8.627	0.002	80	27769	37.1	
94 Butyl benzyl phthalate	149	9.858	9.856	0.002	71	19237	71.1	
98 Bis(2-ethylhexyl) phthalate	149	10.371	10.374	-0.003	85	53415	141.2	
86 2,3-Dichlorobenzenamine	161	11.396	11.416	-0.020	1	350	NC	
91 Nonylphenol	135	11.856	11.848	0.008	0	1211	NC	
124 DFTPP								

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 09:40:40 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A10.D

Injection Date: 08-Mar-2022 13:35:30 Instrument ID: TAC051

Lims ID: 580-110975-A-5-A Lab Sample ID: 580-110975-5

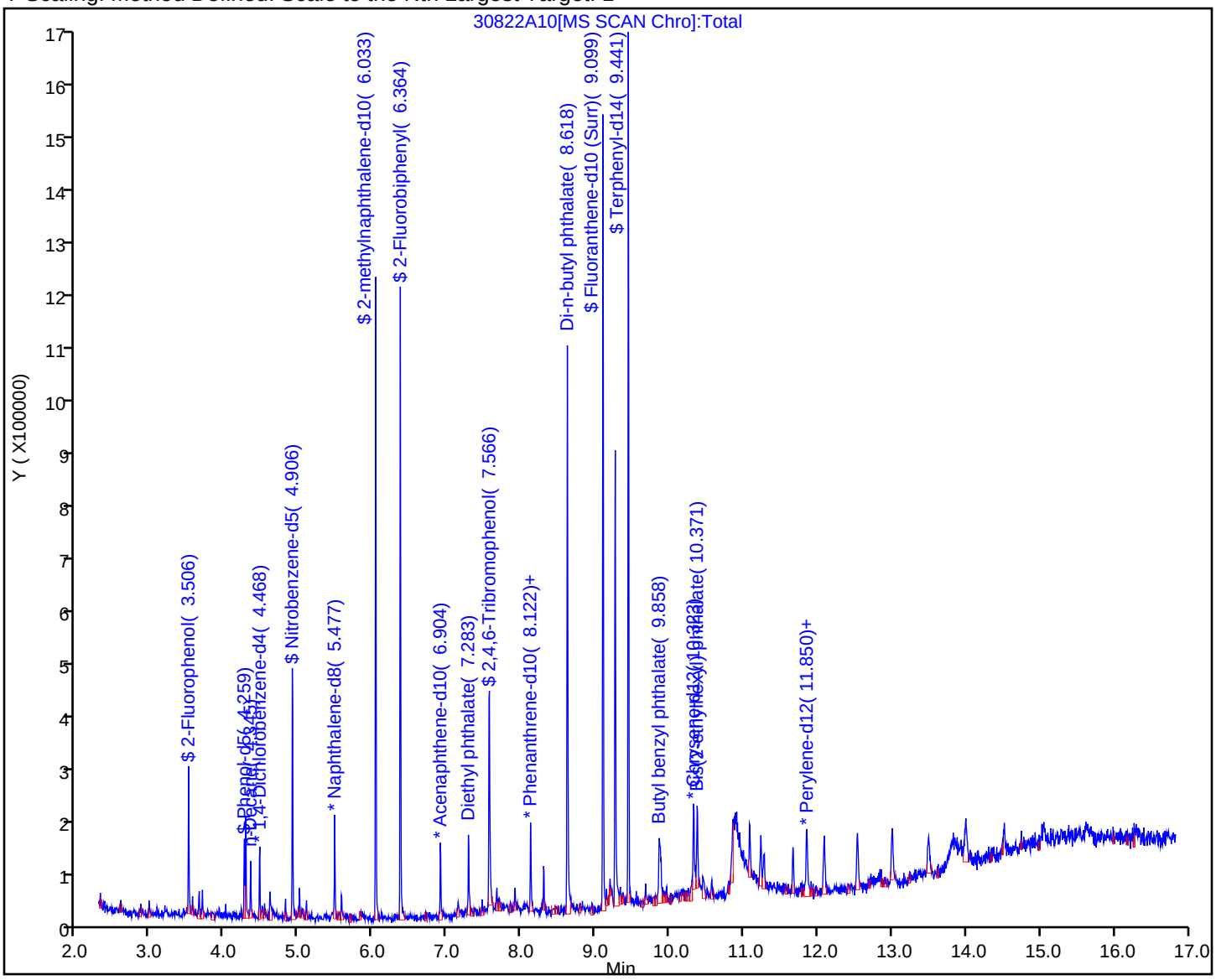
Client ID: ERH2651 (OWDFMW08A FD)

Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A10.D
Lims ID: 580-110975-A-5-A
Client ID: ERH2651 (OWDFMW08A FD)
Sample Type: Client
Inject. Date: 08-Mar-2022 13:35:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-5-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:40:40 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

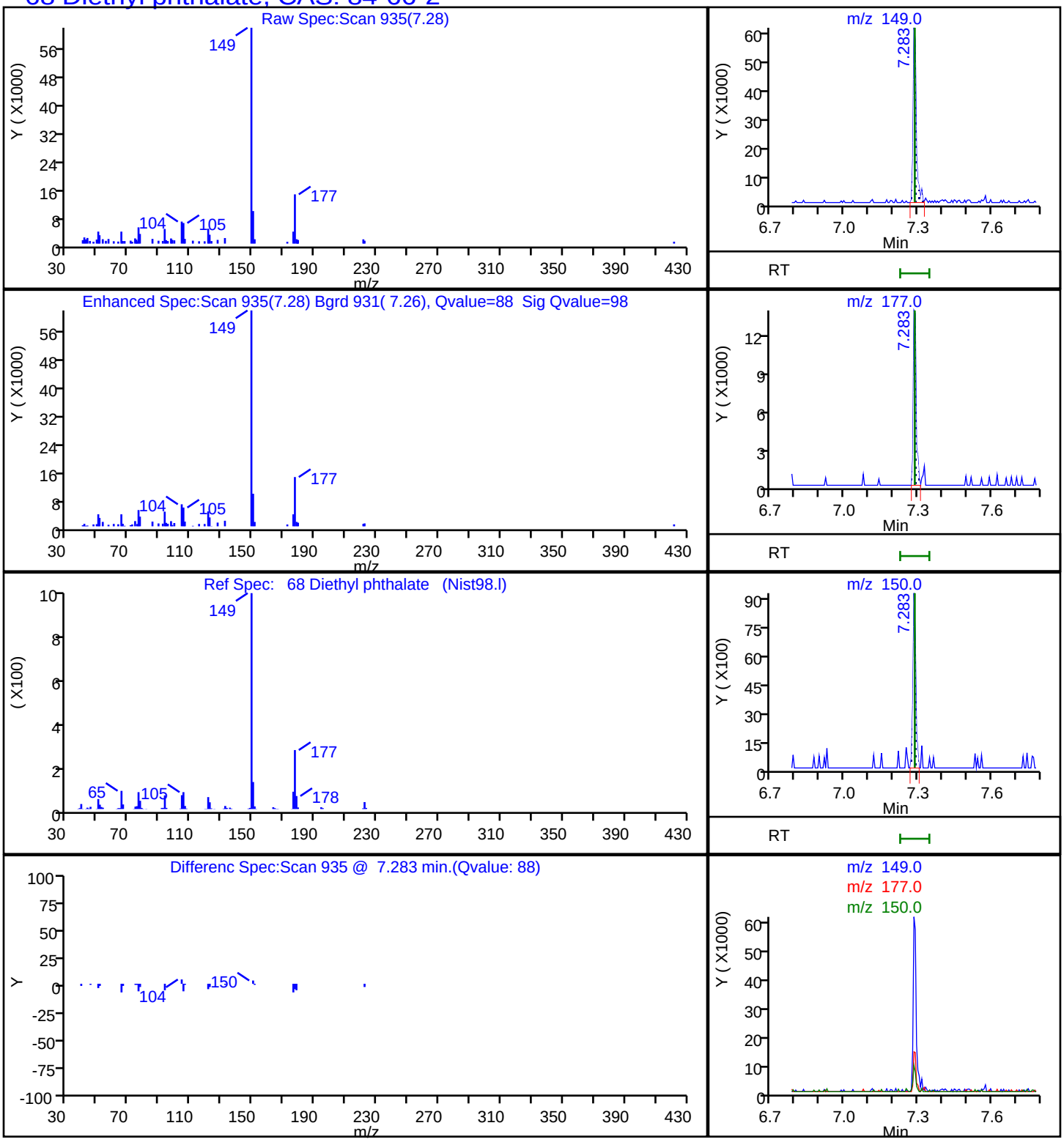
First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:40:40

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	429.5	42.95
$ 8 Phenol-d5	1000.0	227.6	22.76
$ 9 Nitrobenzene-d5	1000.0	632.7	63.27
$ 11 2-Fluorobiphenyl	1000.0	791.4	79.14
$ 12 2,4,6-Tribromophenol	1000.0	707.4	70.74
$ 14 Terphenyl-d14	1000.0	1122.8	112.28

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A10.D
Injection Date: 08-Mar-2022 13:35:30 Instrument ID: TAC051
Lims ID: 580-110975-A-5-A Lab Sample ID: 580-110975-5
Client ID: ERH2651 (OWDFMW08A FD)
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

68 Diethyl phthalate, CAS: 84-66-2



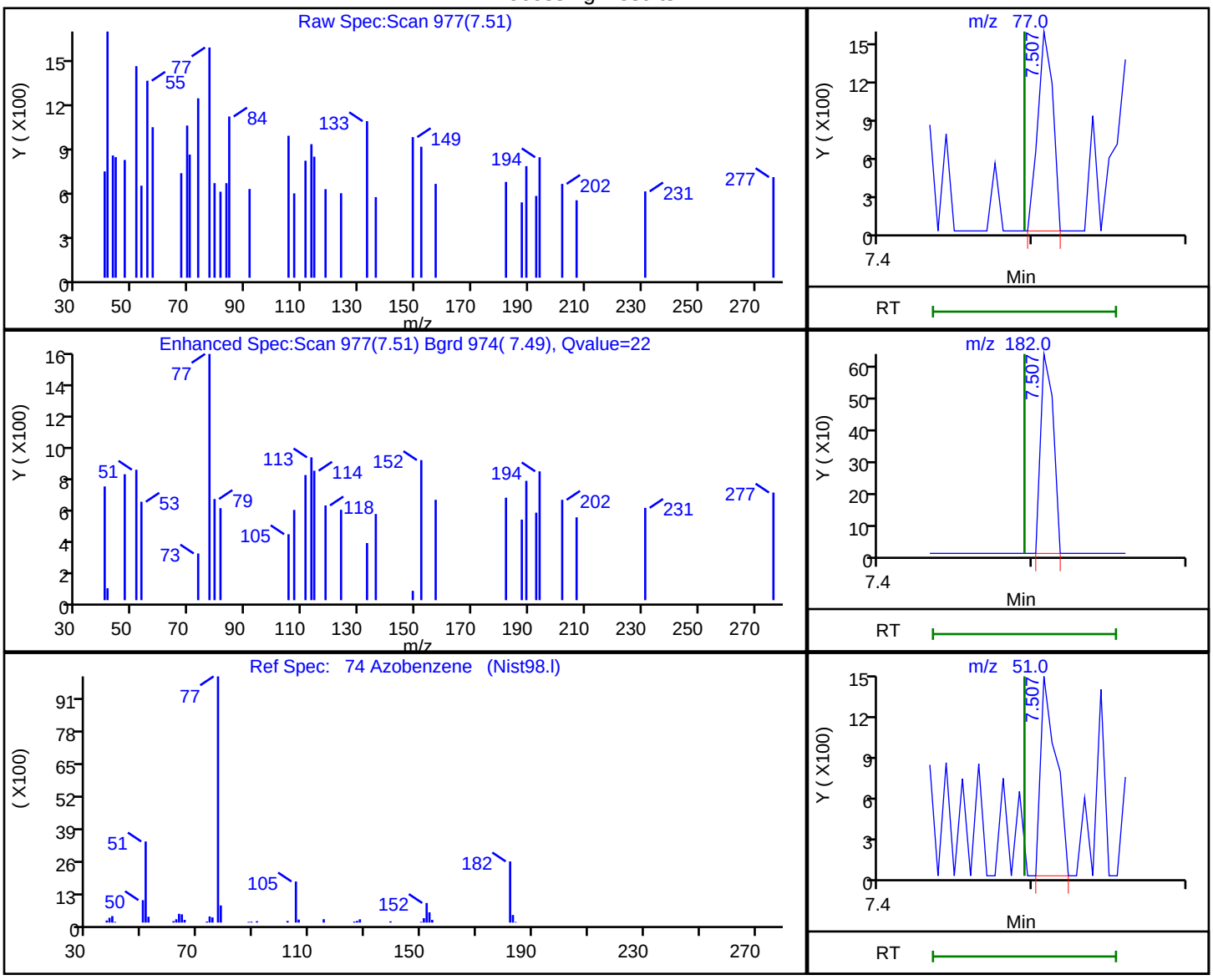
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A10.D				
Injection Date:	08-Mar-2022 13:35:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-5-A	Lab Sample ID:	580-110975-5		
Client ID:	ERH2651 (OWDFMW08A FD)				
Operator ID:	TL	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

74 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.51	77.00	1050	7.736567
7.51	182.00	366	
7.51	51.00	987	

Reviewer: thaneeratw, 09-Mar-2022 09:39:39

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

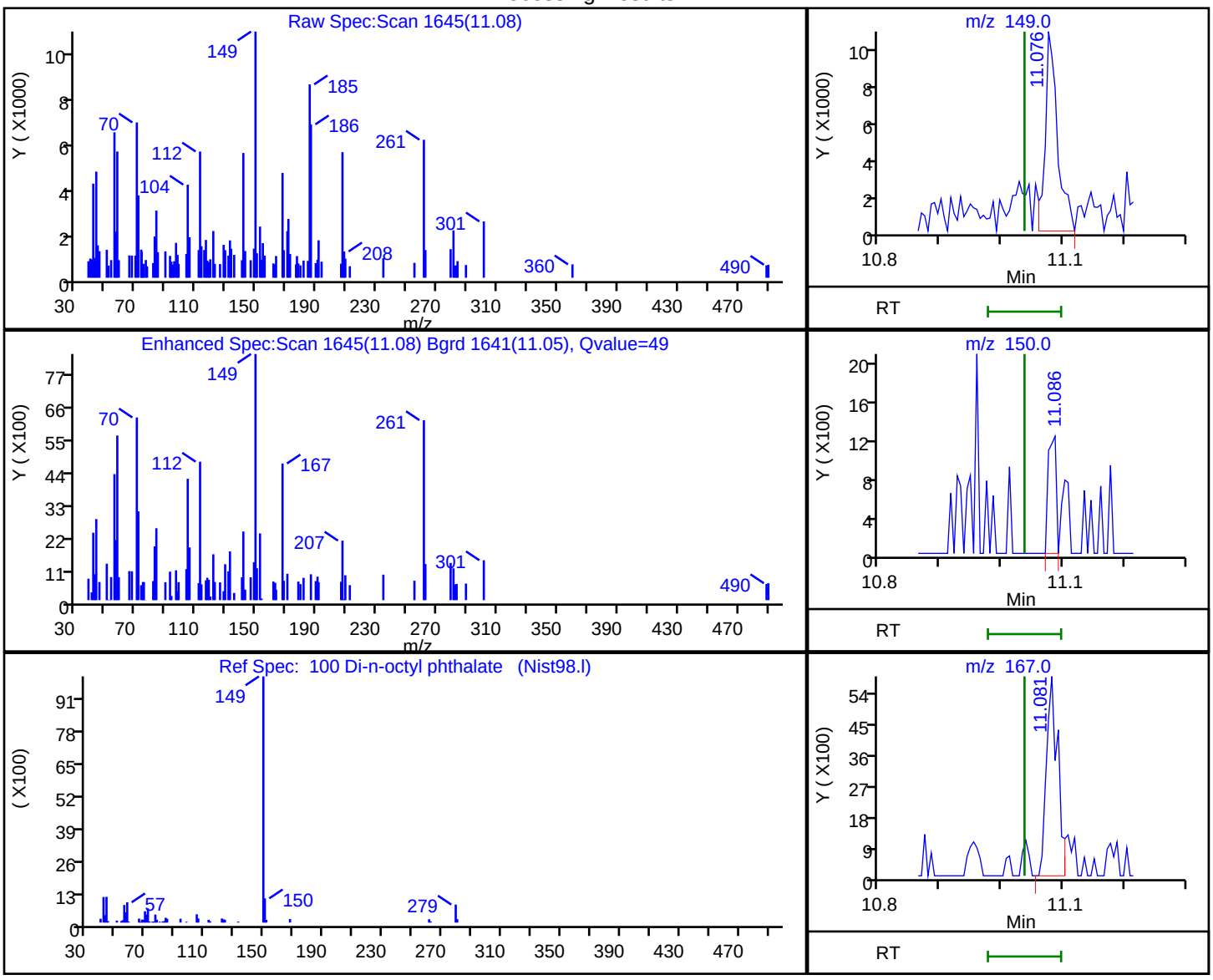
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A10.D				
Injection Date:	08-Mar-2022 13:35:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-5-A	Lab Sample ID:	580-110975-5		
Client ID:	ERH2651 (OWDFMW08A FD)				
Operator ID:	TL	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.08	149.00	15182	20.682725
11.09	150.00	1109	
11.08	167.00	7597	

Reviewer: thaneeratw, 09-Mar-2022 09:40:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2651 (OWDFMW08A FD) RA | Lab Sample ID: 580-110975-5 RA

Matrix: Water | Lab File ID: 31822A18Z.D

Analysis Method: 8270E | Date Collected: 02/28/2022 09:45

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1052.5(mL) | Date Analyzed: 03/18/2022 16:03

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384307 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
100-02-7	4-Nitrophenol	5.7	U	9.5	5.7	1.6
108-60-1	bis (2-chloroisopropyl) ether	0.14	U M	0.24	0.14	0.057

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A18Z.D
Lims ID: 580-110975-A-5-A
Client ID: ERH2651 (OWDFMW08A FD)
Sample Type: Client
Inject. Date: 18-Mar-2022 16:03:30 ALS Bottle#: 17 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-5-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:38:15 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:38:15

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.455	4.454	0.001	86	37888	100.0	
* 2 Naphthalene-d8	136	5.470	5.469	0.001	92	116539	100.0	
* 3 Acenaphthene-d10	164	6.896	6.895	0.001	88	62465	100.0	
* 4 Phenanthrene-d10	188	8.114	8.108	0.006	93	106729	100.0	
* 5 Chrysene-d12	240	10.310	10.309	0.001	90	83035	100.0	
* 6 Perylene-d12	264	11.838	11.831	0.007	92	103118	100.0	
$ 7 2-Fluorophenol	112	3.477	3.472	0.006	84	117240	336.4	
$ 8 Phenol-d5	99	4.225	4.225	0.001	94	73905	188.1	
$ 9 Nitrobenzene-d5	82	4.898	4.898	0.001	85	181761	655.2	
$ 10 2-methylnaphthalene-d10	152	6.020	6.020	0.001	0	463085	NC	
$ 11 2-Fluorobiphenyl	172	6.351	6.356	-0.005	99	543145	653.9	
$ 12 2,4,6-Tribromophenol	330	7.553	7.553	0.006	85	98348	693.4	
$ 13 Fluoranthene-d10 (Surr)	212	9.086	9.092	0.001	0	837080	NC	
$ 14 Terphenyl-d14	244	9.428	9.440	-0.005	95	758765	949.2	
15 1,4-Dioxane	88	2.329	2.328	0.001	1	1799	NC	
18 Aniline	93	4.209	4.204	0.006	1	222	6.26	
19 Phenol	94	4.241	4.230	0.012	5	1935	5.08	
22 n-Decane	57	4.332	4.332	0.001	87	27689	92.5	
26 Benzyl alcohol	79	4.588	4.583	0.006	1	2335	17.4	
34 Nitrobenzene	77	4.866	4.914	-0.047	1	468	10.2	
43 4-Chloroaniline	127	5.534	5.550	-0.015	1	435	25.9	
46 4-Chloro-3-methylphenol	107	6.020	5.977	0.044	27	1363	42.9	
24 Cyclohexanone	55	6.522	6.497	0.026	3	2816	NC	
57 Dimethyl phthalate	163	6.698	6.698	0.001	52	6477	5.38	
61 3-Nitroaniline	138	6.885	6.891	-0.005	1	370	75.2	
68 Diethyl phthalate	149	7.275	7.275	0.001	84	43087	53.2	
71 4-Nitroaniline	138	7.361	7.393	-0.031	1	227	66.3	
74 Azobenzene	77	7.505	7.489	0.022	1	1976	7.16	
79 n-Octadecane	57	8.045	8.055	-0.004	1	4062	13.5	
81 Anthracene	178	8.184	8.178	0.012	1	1479	8.63	
84 Di-n-butyl phthalate	149	8.616	8.622	0.001	94	58868	35.6	
85 Fluoranthene	202	9.102	9.109	0.001	1	2865	2.76	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
88 Benzidine	184	9.209	9.248	-0.031	1	725	89.5	
94 Butyl benzyl phthalate	149	9.845	9.845	0.001	82	38464	70.7	
95 4,4'-DDT	235	9.856	9.913	-0.056	1	346	NC	
97 Benzo[a]anthracene	228	10.342	10.299	0.044	1	870	7.88	
98 Bis(2-ethylhexyl) phthalate	149	10.358	10.363	-0.004	82	94154	123.7	
100 Di-n-octyl phthalate	149	11.063	11.025	0.044	64	27853	20.4	
101 Benzo[b]fluoranthene	252	11.410	11.399	0.017	1	679	2.91	
86 2,3-Dichlorobenzenamine	161	11.410	11.417	-0.006	1	474	NC	
104 Benzo[a]pyrene	252	11.773	11.773	0.006	1	318	5.12	
91 Nonylphenol	135	11.859	11.858	0.011	0	292	NC	
92 2,4'-DDT	235	11.848	11.866	-0.016	1	408	NC	
107 Benzo[g,h,i]perylene	276	13.488	13.468	0.027	1	179	3.90	
124 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 18-Mar-2022 20:38:51 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A18Z.D

Injection Date: 18-Mar-2022 16:03:30 Instrument ID: TAC051

Lims ID: 580-110975-A-5-A Lab Sample ID: 580-110975-5

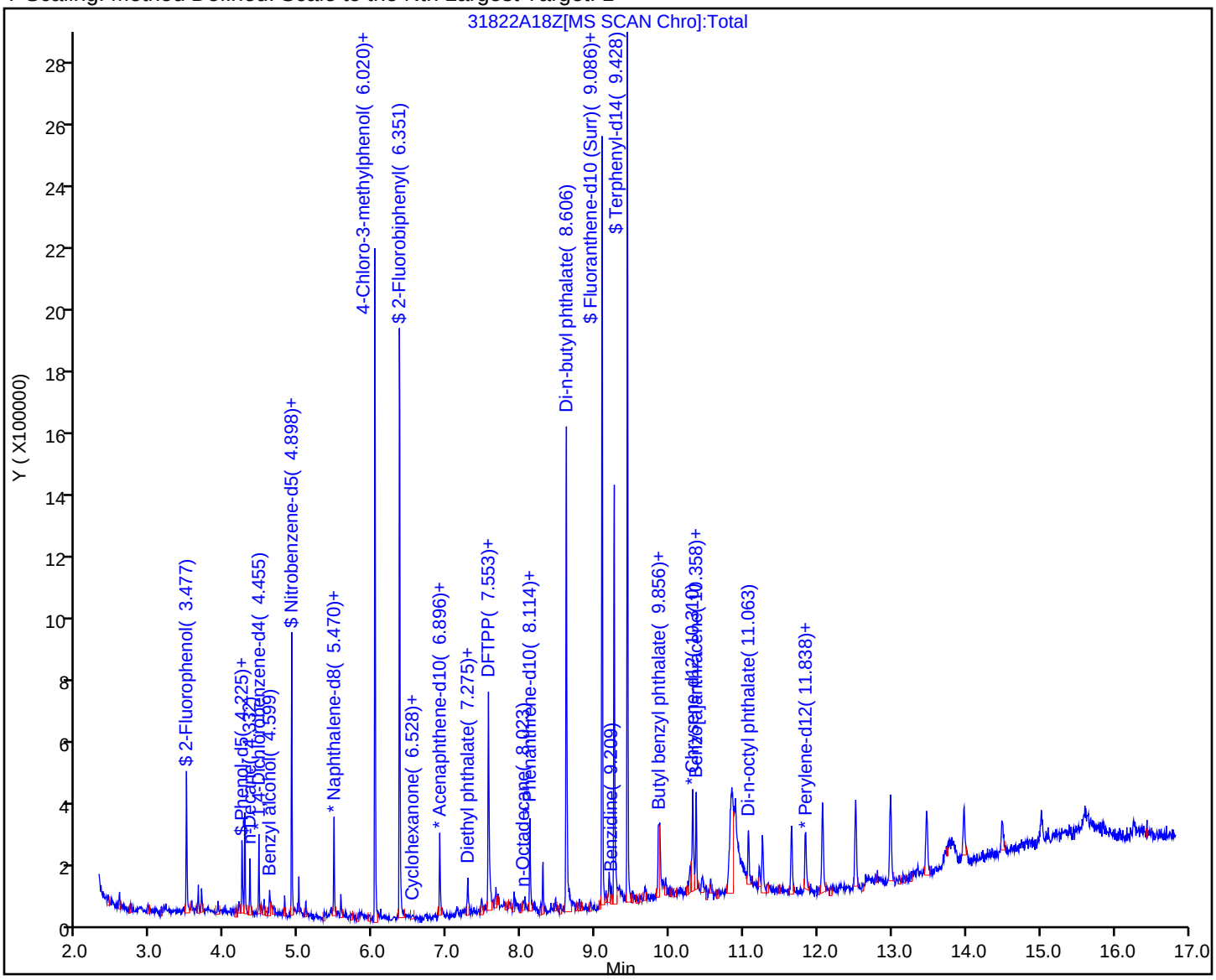
Client ID: ERH2651 (OWDFMW08A FD)

Operator ID: TL ALS Bottle#: 17 Worklist Smp#: 23

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A18Z.D
Lims ID: 580-110975-A-5-A
Client ID: ERH2651 (OWDFMW08A FD)
Sample Type: Client
Inject. Date: 18-Mar-2022 16:03:30 ALS Bottle#: 17 Worklist Smp#: 23
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-5-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:38:15 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:38:15

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	336.4	33.64
$ 8 Phenol-d5	1000.0	188.1	18.81
$ 9 Nitrobenzene-d5	1000.0	655.2	65.52
$ 11 2-Fluorobiphenyl	1000.0	653.9	65.39
$ 12 2,4,6-Tribromophenol	1000.0	693.4	69.34
$ 14 Terphenyl-d14	1000.0	949.2	94.92

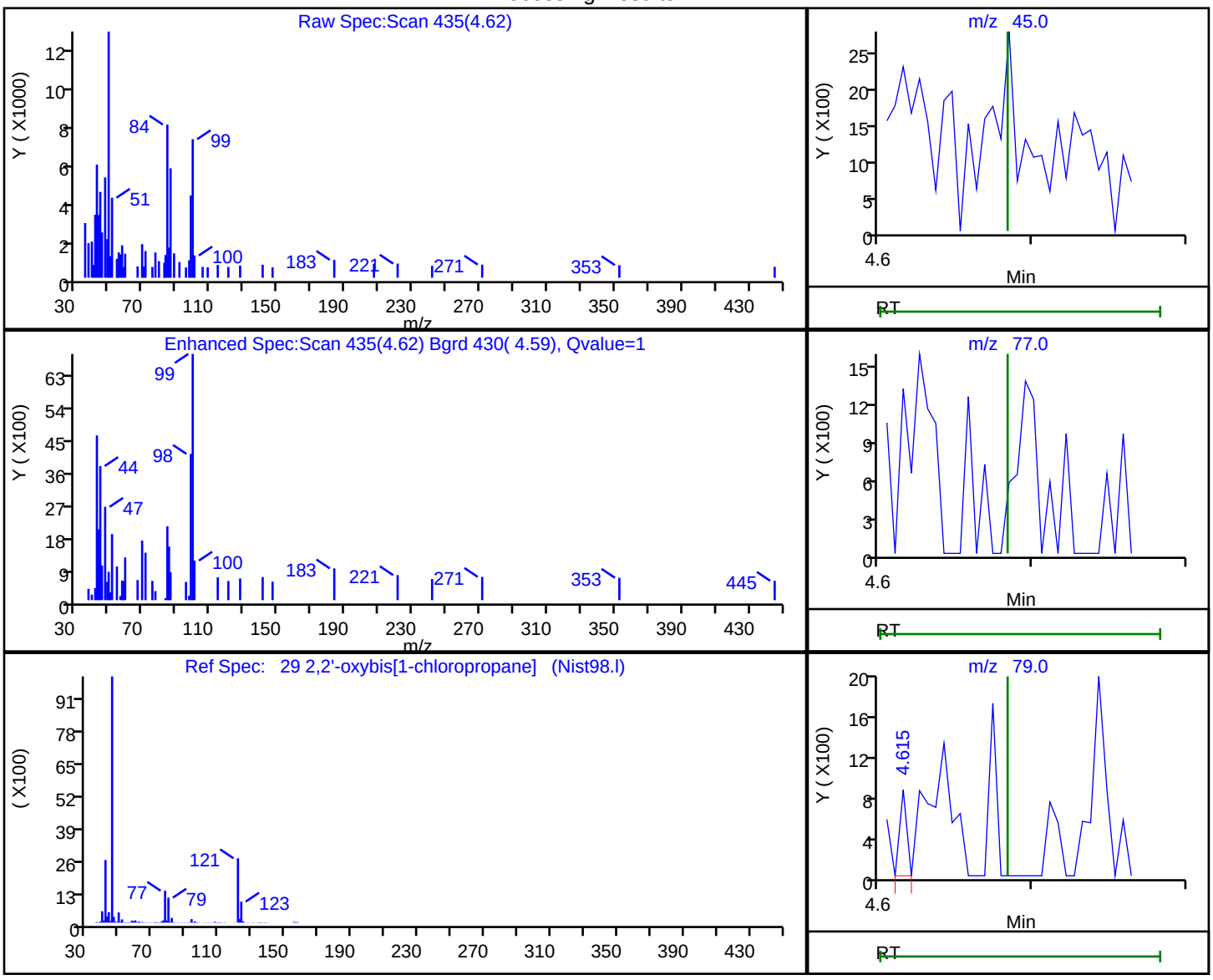
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A18Z.D				
Injection Date:	18-Mar-2022 16:03:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-5-A	Lab Sample ID:	580-110975-5		
Client ID:	ERH2651 (OWDFMW08A FD)				
Operator ID:	TL	ALS Bottle#:	17	Worklist Smp#:	23
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.62	45.00	1452	3.949403
4.60	77.00	319	
4.62	79.00	264	

Reviewer: boylea, 18-Mar-2022 20:38:04

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2652 (RHMW14-3) | Lab Sample ID: 580-110975-6

Matrix: Water | Lab File ID: 30822A11.D

Analysis Method: 8270E | Date Collected: 03/01/2022 10:25

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 993.1(mL) | Date Analyzed: 03/08/2022 13:58

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.30	0.091
95-50-1	1,2-Dichlorobenzene	0.15	U Q	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
106-46-7	1,4-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U M	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
103-33-3	Azobenzene	0.15	U	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.091	U	0.10	0.091	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.75
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.27	J	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.091	U	0.60	0.091	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U	0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2652 (RHMW14-3) | Lab Sample ID: 580-110975-6

Matrix: Water | Lab File ID: 30822A11.D

Analysis Method: 8270E | Date Collected: 03/01/2022 10:25

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 993.1(mL) | Date Analyzed: 03/08/2022 13:58

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	0.091	U	1.0	0.091	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.091	U	0.40	0.091	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U	1.0	0.60	0.36
129-00-0	Pyrene	0.091	U	1.0	0.091	0.040
110-86-1	Pyridine	3.2	U	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	82		43-140
321-60-8	2-Fluorobiphenyl	70		44-119
367-12-4	2-Fluorophenol (Surr)	45		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	63		44-120
4165-62-2	Phenol-d5 (Surr)	23		10-120
1718-51-0	Terphenyl-d14	106		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A11.D
Lims ID: 580-110975-B-6-A
Client ID: ERH2652 (RHMW14-3)
Sample Type: Client
Inject. Date: 08-Mar-2022 13:58:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-b-6-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:42:57 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:42:57

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.467	4.466	0.001	77	15542	100.0	
* 2 Naphthalene-d8	136	5.477	5.481	-0.004	91	59664	100.0	
* 3 Acenaphthene-d10	164	6.908	6.907	0.001	76	27478	100.0	
* 4 Phenanthrene-d10	188	8.121	8.120	0.001	83	51115	100.0	
* 5 Chrysene-d12	240	10.322	10.321	0.002	84	39636	100.0	
* 6 Perylene-d12	264	11.850	11.848	0.002	92	55675	100.0	
$ 7 2-Fluorophenol	112	3.505	3.504	0.001	76	64260	447.9	
$ 8 Phenol-d5	99	4.259	4.257	0.002	93	36860	229.0	
$ 9 Nitrobenzene-d5	82	4.905	4.909	-0.004	87	90127	634.6	
$ 10 2-methylnaphthalene-d10	152	6.032	6.031	0.001	0	212380	NC	
$ 11 2-Fluorobiphenyl	172	6.364	6.367	-0.003	98	255076	698.1	
$ 12 2,4,6-Tribromophenol	330	7.566	7.564	0.002	72	56373	822.2	
$ 13 Fluoranthene-d10 (Surr)	212	9.099	9.097	0.002	0	467518	NC	
$ 14 Terphenyl-d14	244	9.441	9.444	-0.003	95	405498	1059.2	
15 1,4-Dioxane	88	2.490	2.475	0.015	31	1216	NC	
22 n-Decane	57	4.344	4.343	0.001	76	11801	96.1	
39 Benzoic acid	105	5.349	5.360	-0.003	18	4148	366.4	
68 Diethyl phthalate	149	7.282	7.286	-0.004	87	47748	134.1	
84 Di-n-butyl phthalate	149	8.629	8.627	0.002	74	22282	27.7	
94 Butyl benzyl phthalate	149	9.857	9.856	0.001	57	16029	62.8	
98 Bis(2-ethylhexyl) phthalate	149	10.375	10.374	0.001	82	50274	138.4	
86 2,3-Dichlorobenzenamine	161	11.476	11.416	0.060	1	400	NC	
91 Nonylphenol	135	11.850	11.848	0.002	0	925	NC	
124 DFTPP								

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 09:42:57 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A11.D

Injection Date: 08-Mar-2022 13:58:30 Instrument ID: TAC051

Lims ID: 580-110975-B-6-A Lab Sample ID: 580-110975-6

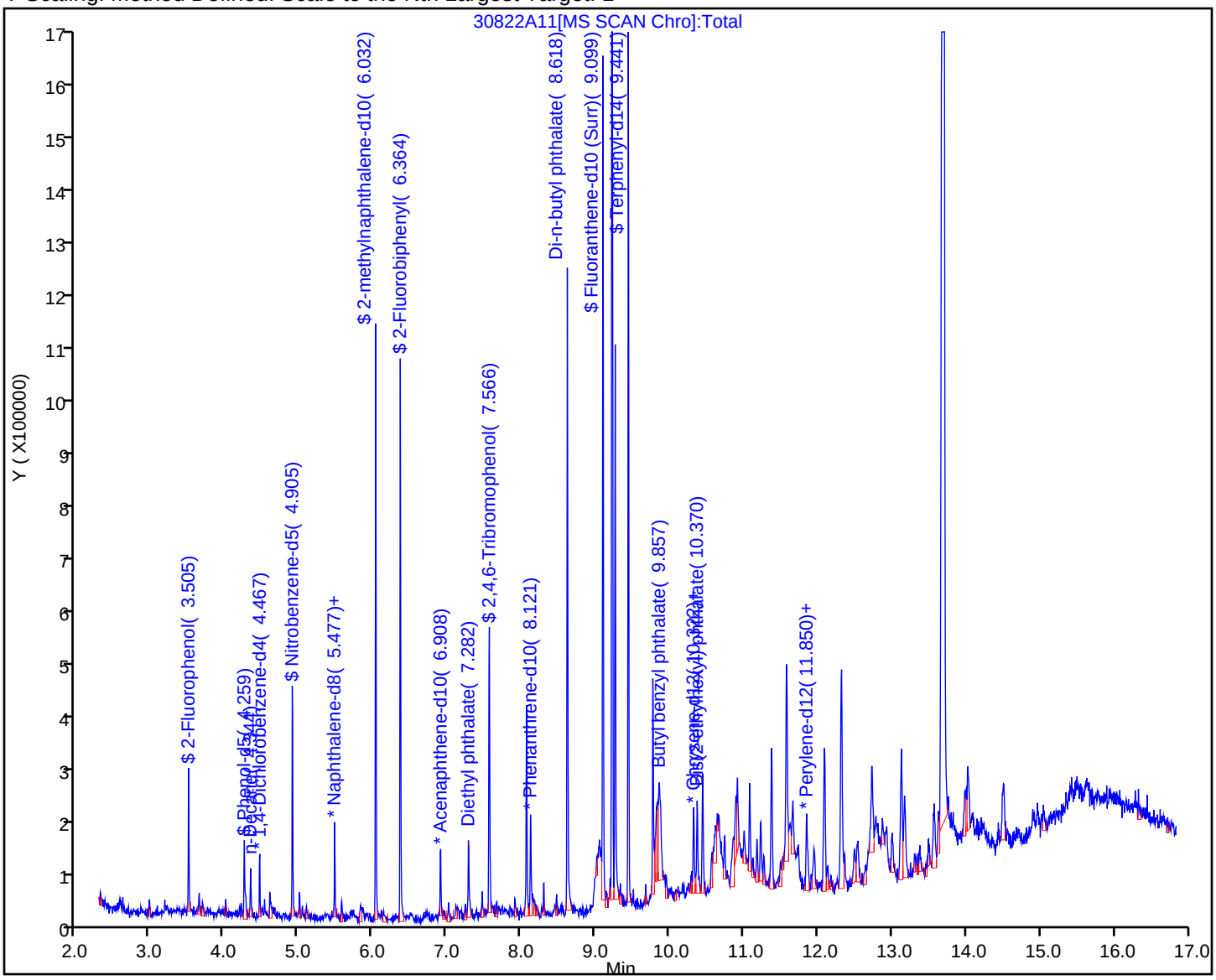
Client ID: ERH2652 (RHMW14-3)

Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A11.D
Lims ID: 580-110975-B-6-A
Client ID: ERH2652 (RHMW14-3)
Sample Type: Client
Inject. Date: 08-Mar-2022 13:58:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-b-6-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:42:57 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

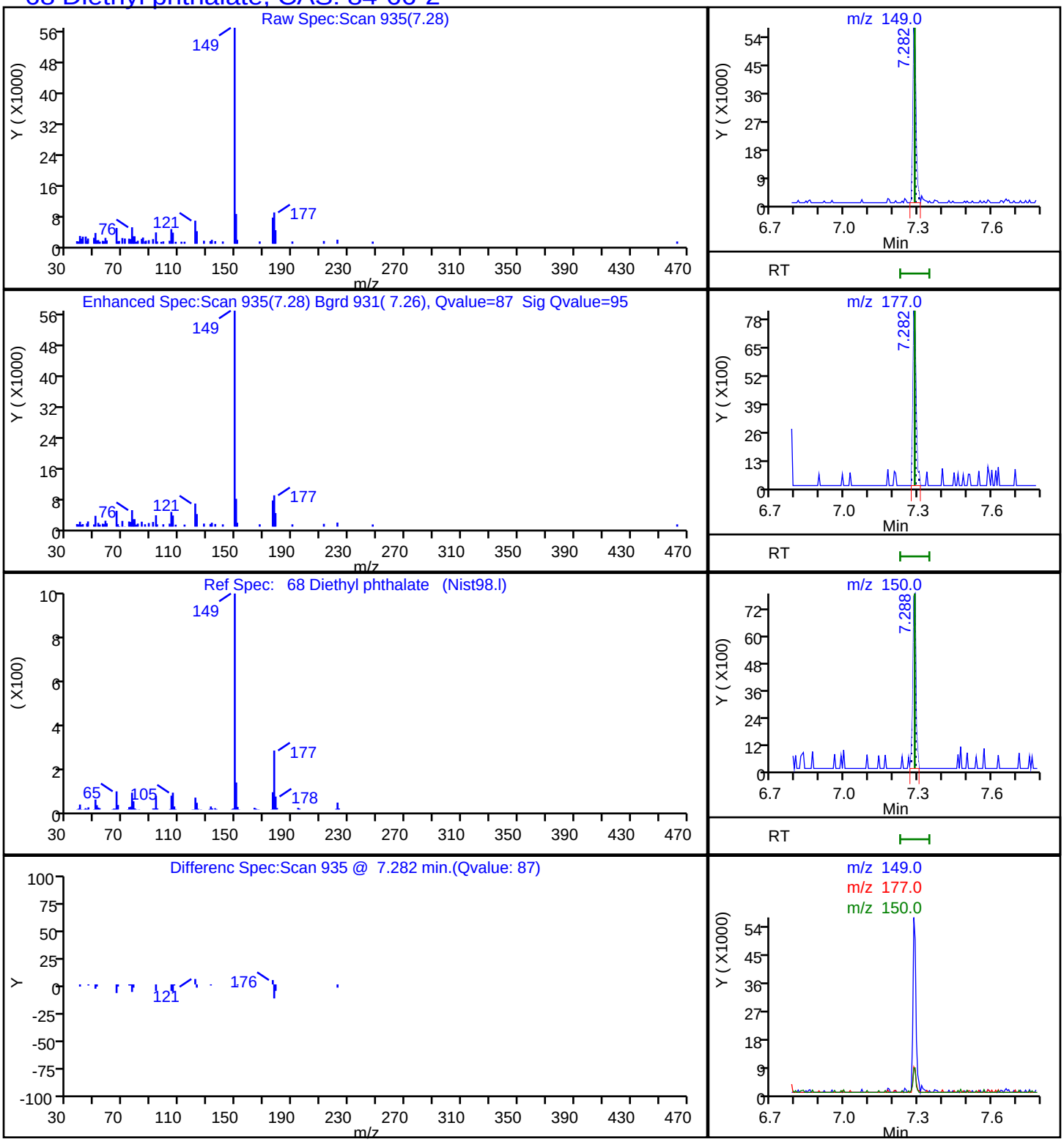
First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:42:57

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	447.9	44.79
$ 8 Phenol-d5	1000.0	229.0	22.90
$ 9 Nitrobenzene-d5	1000.0	634.6	63.46
$ 11 2-Fluorobiphenyl	1000.0	698.1	69.81
$ 12 2,4,6-Tribromophenol	1000.0	822.2	82.22
$ 14 Terphenyl-d14	1000.0	1059.2	105.92

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A11.D				
Injection Date:	08-Mar-2022 13:58:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-6-A	Lab Sample ID:	580-110975-6		
Client ID:	ERH2652 (RHMW14-3)				
Operator ID:	TL	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

68 Diethyl phthalate, CAS: 84-66-2



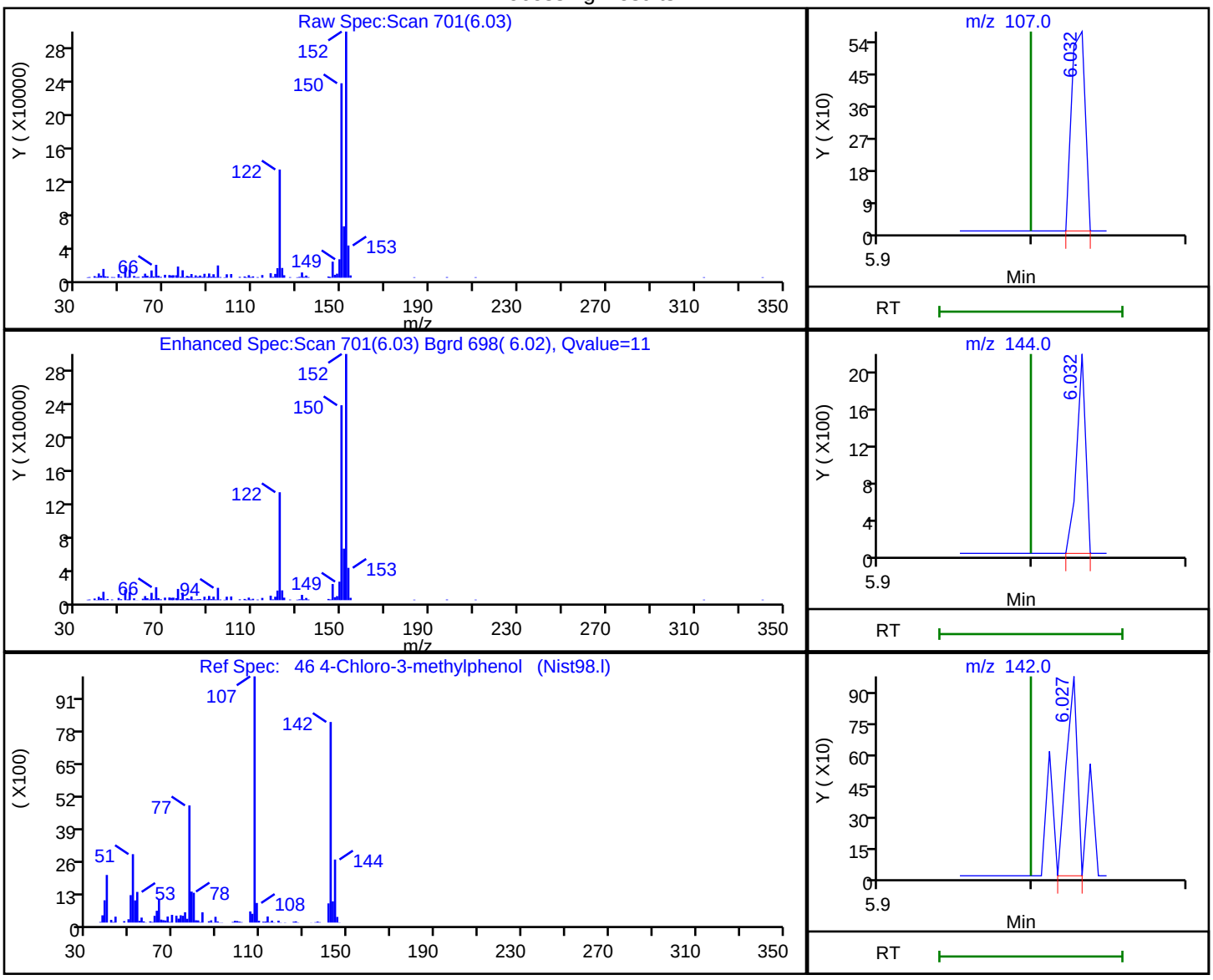
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A11.D				
Injection Date:	08-Mar-2022 13:58:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-6-A	Lab Sample ID:	580-110975-6		
Client ID:	ERH2652 (RHMW14-3)				
Operator ID:	TL	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

46 4-Chloro-3-methylphenol, CAS: 59-50-7

Processing Results



RT	Mass	Response	Amount
6.03	107.00	348	40.661006
6.03	144.00	884	
6.03	142.00	483	

Reviewer: thaneeratw, 09-Mar-2022 09:41:29

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

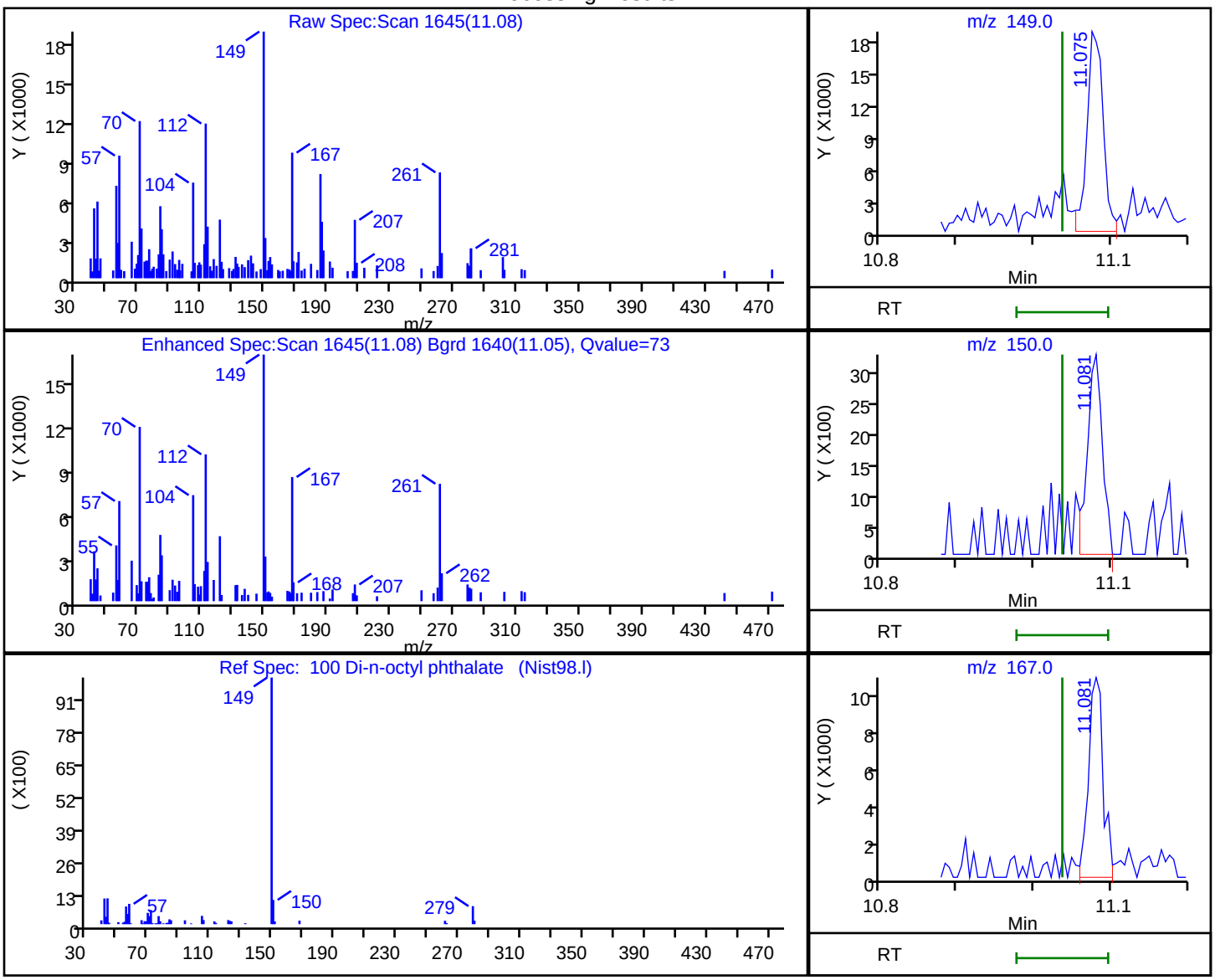
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A11.D				
Injection Date:	08-Mar-2022 13:58:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-6-A	Lab Sample ID:	580-110975-6		
Client ID:	ERH2652 (RHMW14-3)				
Operator ID:	TL	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.08	149.00	26878	36.463166
11.08	150.00	4498	
11.08	167.00	13584	

Reviewer: thaneeratw, 09-Mar-2022 09:42:15

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2652 (RHMW14-3) RA | Lab Sample ID: 580-110975-6 RA

Matrix: Water | Lab File ID: 31822A19.D

Analysis Method: 8270E | Date Collected: 03/01/2022 10:25

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 993.1(mL) | Date Analyzed: 03/18/2022 16:27

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384307 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
100-02-7	4-Nitrophenol	6.0	U M	10	6.0	1.7
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A19.D
Lims ID: 580-110975-B-6-A
Client ID: ERH2652 (RHMW14-3)
Sample Type: Client
Inject. Date: 18-Mar-2022 16:27:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-5-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:34:59 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:34:59

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.457	4.454	0.003	88	32247	100.0	
* 2 Naphthalene-d8	136	5.466	5.469	-0.003	93	127114	100.0	
* 3 Acenaphthene-d10	164	6.893	6.895	-0.002	81	62680	100.0	
* 4 Phenanthrene-d10	188	8.111	8.108	0.003	92	105450	100.0	
* 5 Chrysene-d12	240	10.312	10.309	0.003	91	82502	100.0	
* 6 Perylene-d12	264	11.834	11.831	0.003	90	101630	100.0	
$ 7 2-Fluorophenol	112	3.479	3.474	0.008	83	121716	409.3	
$ 8 Phenol-d5	99	4.227	4.228	0.003	98	80254	240.4	
$ 9 Nitrobenzene-d5	82	4.895	4.896	-0.002	86	186389	616.0	
$ 10 2-methylnaphthalene-d10	152	6.022	6.017	0.003	0	429932	NC	
$ 11 2-Fluorobiphenyl	172	6.353	6.354	-0.003	98	533899	640.6	
$ 12 2,4,6-Tribromophenol	330	7.550	7.550	0.003	84	97618	696.4	
$ 13 Fluoranthene-d10 (Surr)	212	9.088	9.090	0.003	0	872591	NC	
$ 14 Terphenyl-d14	244	9.430	9.437	-0.003	95	775039	981.3	
15 1,4-Dioxane	88	2.325	2.330	-0.003	2	2885	NC	
19 Phenol	94	4.238	4.233	0.009	1	813	2.51	
22 n-Decane	57	4.334	4.335	0.003	86	25023	98.2	
26 Benzyl alcohol	79	4.590	4.586	0.008	1	551	10.1	
46 4-Chloro-3-methylphenol	107	6.017	5.975	0.041	11	2012	45.5	
47 2-Methylnaphthalene	142	6.017	6.044	-0.029	1	1358	1.64	
24 Cyclohexanone	55	6.503	6.501	0.007	1	1868	NC	
57 Dimethyl phthalate	163	6.700	6.696	0.003	22	7322	6.50	
61 3-Nitroaniline	138	6.893	6.888	0.003	4	3368	90.9	
68 Diethyl phthalate	149	7.277	7.273	0.003	67	13280	16.3	
73 N-Nitrosodiphenylamine	169	7.464	7.460	0.008	1	1696	3.03	
74 Azobenzene	77	7.502	7.486	0.019	1	2147	7.50	
79 n-Octadecane	57	8.052	8.053	0.003	10	5296	17.3	
80 Phenanthrene	178	8.132	8.133	0.003	1	4426	1.59	
81 Anthracene	178	8.175	8.176	0.003	1	844	8.15	
84 Di-n-butyl phthalate	149	8.618	8.619	0.003	88	42647	25.6	
85 Fluoranthene	202	9.104	9.106	0.003	1	4183	3.79	
88 Benzidine	184	9.259	9.245	0.019	1	814	89.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
89 Pyrene	202	9.286	9.293	-0.002	42	4193	1.53	
94 Butyl benzyl phthalate	149	9.847	9.848	0.003	71	25377	49.6	
82 2,4'-DDE	246	10.200	10.250	-0.046	1	409	NC	
97 Benzo[a]anthracene	228	10.306	10.302	0.008	1	2570	9.48	
98 Bis(2-ethylhexyl) phthalate	149	10.360	10.366	-0.002	82	96753	128.0	
100 Di-n-octyl phthalate	149	11.065	11.023	0.046	75	47596	35.4	
101 Benzo[b]fluoranthene	252	11.423	11.397	0.030	1	514	2.78	
86 2,3-Dichlorobenzenamine	161	11.412	11.413	-0.004	1	595	NC	
87 2,4'-DDD	235	11.476	11.457	0.023	1	161	NC	
104 Benzo[a]pyrene	252	11.717	11.771	-0.050	1	1303	6.07	
91 Nonylphenol	135	11.872	11.854	0.024	0	254	NC	
105 Indeno[1,2,3-cd]pyrene	276	13.138	13.134	0.009	1	441	10.2	
107 Benzo[g,h,i]perylene	276	13.469	13.465	0.008	1	244	3.96	
124 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

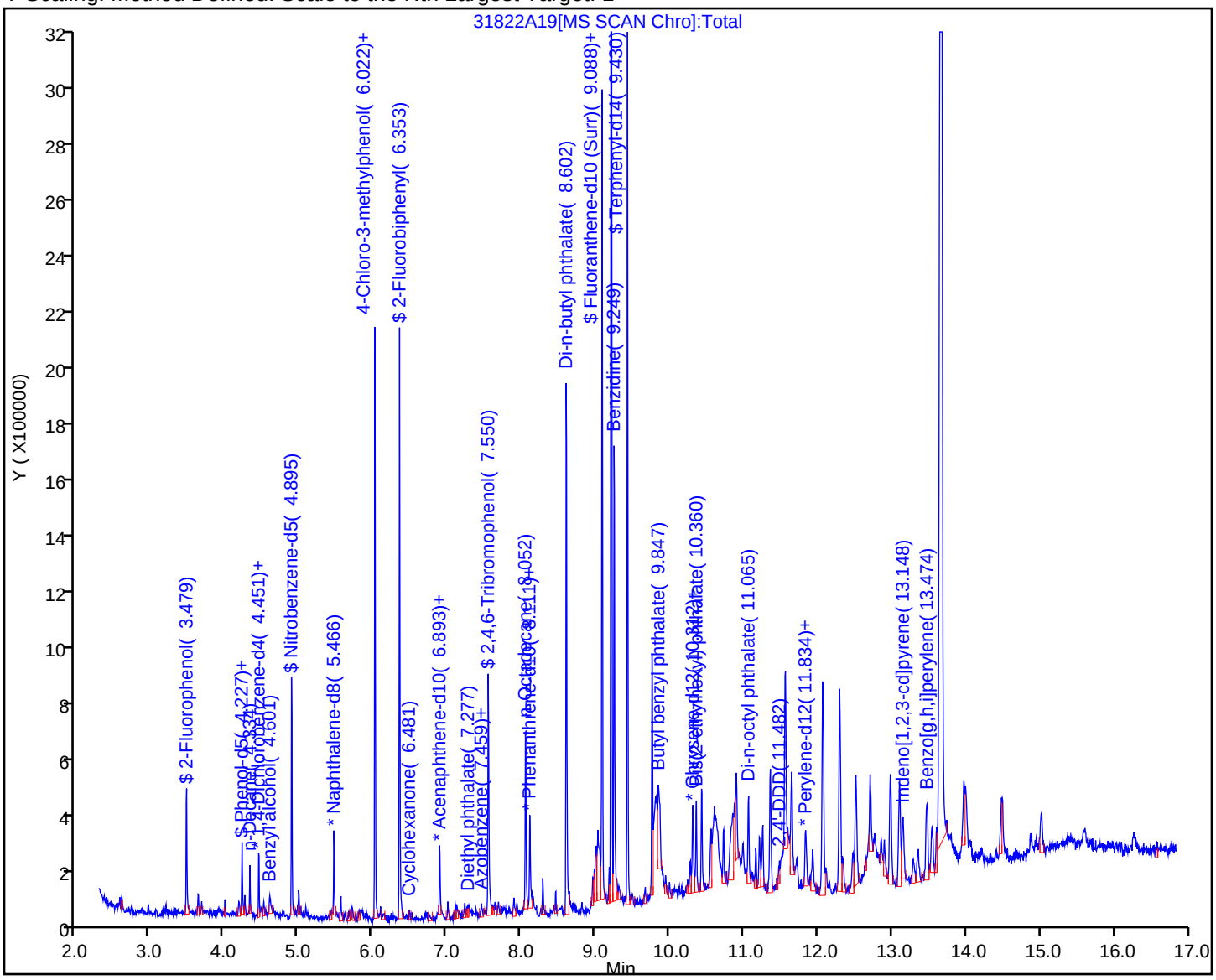
Report Date: 18-Mar-2022 20:34:59 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A19.D

Injection Date:	18-Mar-2022 16:27:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-6-A	Lab Sample ID:	580-110975-6		
Client ID:	ERH2652 (RHMW14-3)				
Operator ID:	TL	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A19.D
Lims ID: 580-110975-B-6-A
Client ID: ERH2652 (RHMW14-3)
Sample Type: Client
Inject. Date: 18-Mar-2022 16:27:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-5-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:34:59 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:34:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	409.3	40.93
$ 8 Phenol-d5	1000.0	240.4	24.04
$ 9 Nitrobenzene-d5	1000.0	616.0	61.60
$ 11 2-Fluorobiphenyl	1000.0	640.6	64.06
$ 12 2,4,6-Tribromophenol	1000.0	696.4	69.64
$ 14 Terphenyl-d14	1000.0	981.3	98.13

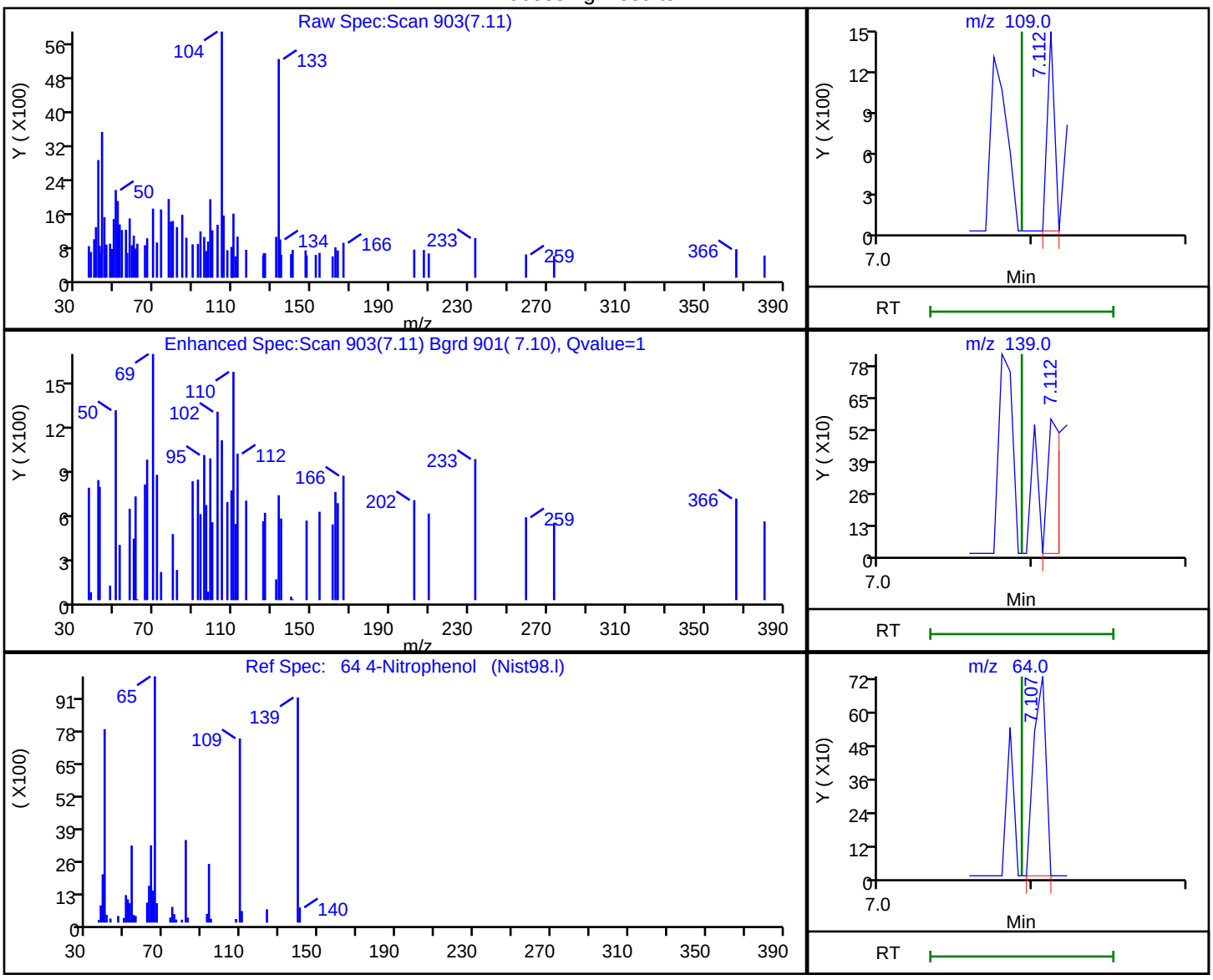
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A19.D				
Injection Date:	18-Mar-2022 16:27:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-6-A	Lab Sample ID:	580-110975-6		
Client ID:	ERH2652 (RHMW14-3)				
Operator ID:	TL	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

64 4-Nitrophenol, CAS: 100-02-7

Processing Results



RT	Mass	Response	Amount
7.11	109.00	453	788.8872
7.11	139.00	340	
7.11	64.00	401	

Reviewer: boylea, 18-Mar-2022 20:34:53

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

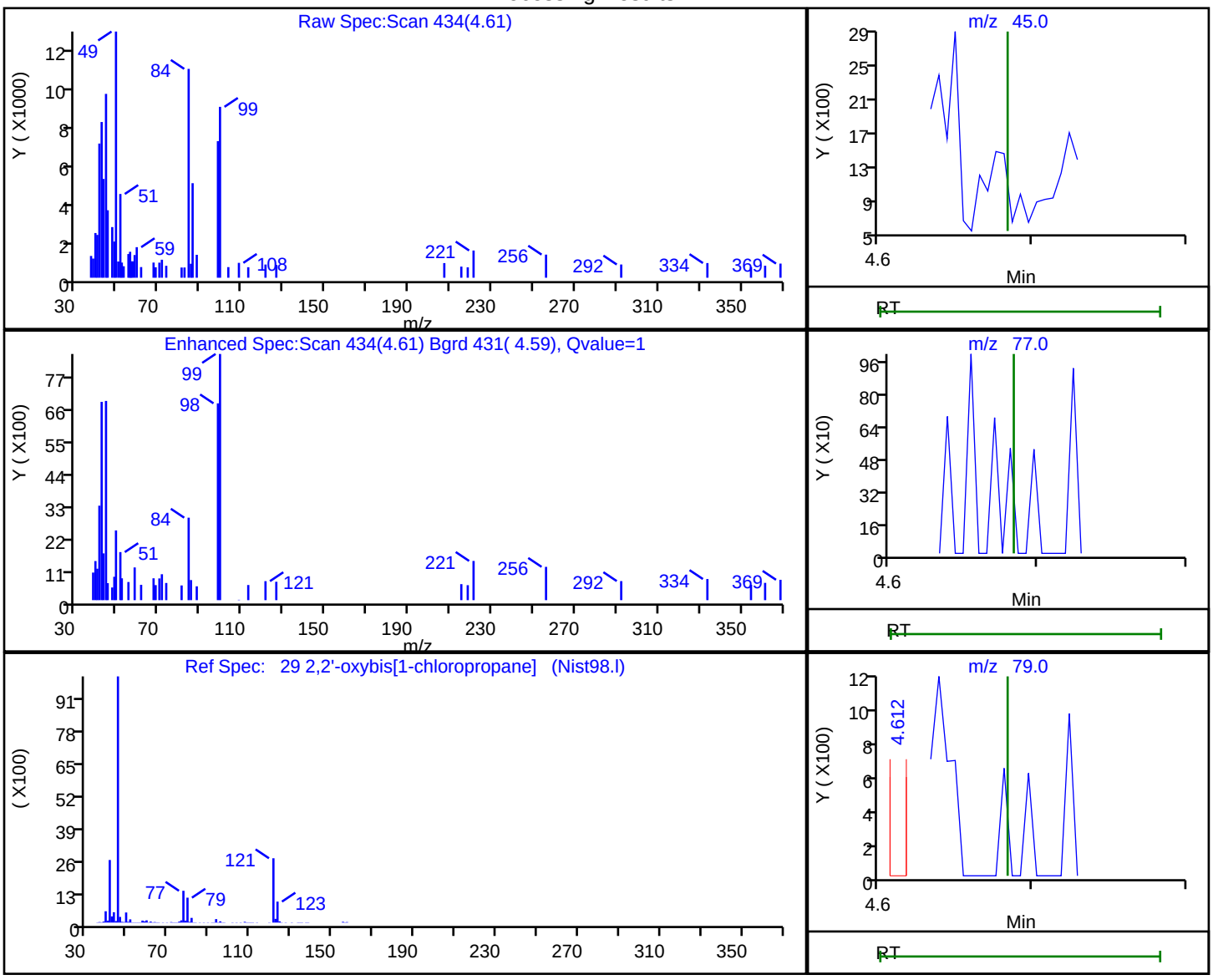
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A19.D				
Injection Date:	18-Mar-2022 16:27:30	Instrument ID:	TAC051		
Lims ID:	580-110975-B-6-A	Lab Sample ID:	580-110975-6		
Client ID:	ERH2652 (RHMW14-3)				
Operator ID:	TL	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.61	45.00	2877	9.194265
4.60	77.00	161	
4.61	79.00	337	

Reviewer: boylea, 18-Mar-2022 20:34:47

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2653 (RHMW16) | Lab Sample ID: 580-110975-7

Matrix: Water | Lab File ID: 30822A12.D

Analysis Method: 8270E | Date Collected: 03/01/2022 11:10

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 996(mL) | Date Analyzed: 03/08/2022 14:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	0.15	U Q	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.090	U Q	0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	0.090	U Q	0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.090	U	0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.23	J	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.090	U	0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U	0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2653 (RHMW16) | Lab Sample ID: 580-110975-7

Matrix: Water | Lab File ID: 30822A12.D

Analysis Method: 8270E | Date Collected: 03/01/2022 11:10

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 996(mL) | Date Analyzed: 03/08/2022 14:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	0.090	U	1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.090	U	0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U	1.0	0.60	0.36
129-00-0	Pyrene	0.090	U	1.0	0.090	0.040
110-86-1	Pyridine	3.2	U	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	66		43-140
321-60-8	2-Fluorobiphenyl	54		44-119
367-12-4	2-Fluorophenol (Surr)	39		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	58		44-120
4165-62-2	Phenol-d5 (Surr)	22		10-120
1718-51-0	Terphenyl-d14	88		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A12.D
Lims ID: 580-110975-A-7-A
Client ID: ERH2653 (RHMW16)
Sample Type: Client
Inject. Date: 08-Mar-2022 14:21:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-7-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:45:12 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:45:12

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.467	4.466	0.001	72	15016	100.0	
* 2 Naphthalene-d8	136	5.477	5.481	-0.004	94	56508	100.0	
* 3 Acenaphthene-d10	164	6.908	6.907	0.001	76	31123	100.0	
* 4 Phenanthrene-d10	188	8.126	8.120	0.006	81	56866	100.0	
* 5 Chrysene-d12	240	10.322	10.321	0.002	79	41086	100.0	
* 6 Perylene-d12	264	11.850	11.848	0.002	89	55637	100.0	
$ 7 2-Fluorophenol	112	3.506	3.504	0.002	83	53364	385.7	
$ 8 Phenol-d5	99	4.259	4.257	0.002	97	33594	215.9	
$ 9 Nitrobenzene-d5	82	4.911	4.909	0.002	82	78354	582.5	
$ 10 2-methylnaphthalene-d10	152	6.032	6.031	0.001	0	178240	NC	
$ 11 2-Fluorobiphenyl	172	6.364	6.367	-0.003	97	224822	543.3	
$ 12 2,4,6-Tribromophenol	330	7.566	7.564	0.002	71	49373	655.6	
$ 13 Fluoranthene-d10 (Surr)	212	9.099	9.097	0.002	0	408868	NC	
$ 14 Terphenyl-d14	244	9.441	9.444	-0.003	95	373912	877.9	
22 n-Decane	57	4.344	4.343	0.001	86	8225	69.4	
47 2-Methylnaphthalene	142	6.059	6.057	0.002	13	2702	7.34	
48 1-Methylnaphthalene	142	6.139	6.134	0.001	1	1168	3.34	
24 Cyclohexanone	55	6.454	6.496	-0.042	1	581	NC	
68 Diethyl phthalate	149	7.288	7.286	0.002	84	46021	114.1	
84 Di-n-butyl phthalate	149	8.629	8.627	0.002	77	27540	31.0	
94 Butyl benzyl phthalate	149	9.857	9.856	0.001	58	12903	50.5	
98 Bis(2-ethylhexyl) phthalate	149	10.370	10.374	-0.004	86	57858	153.7	
91 Nonylphenol	135	11.877	11.848	0.029	0	2246	NC	
124 DFTPP								

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 09:45:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A12.D

Injection Date: 08-Mar-2022 14:21:30 Instrument ID: TAC051

Lims ID: 580-110975-A-7-A Lab Sample ID: 580-110975-7

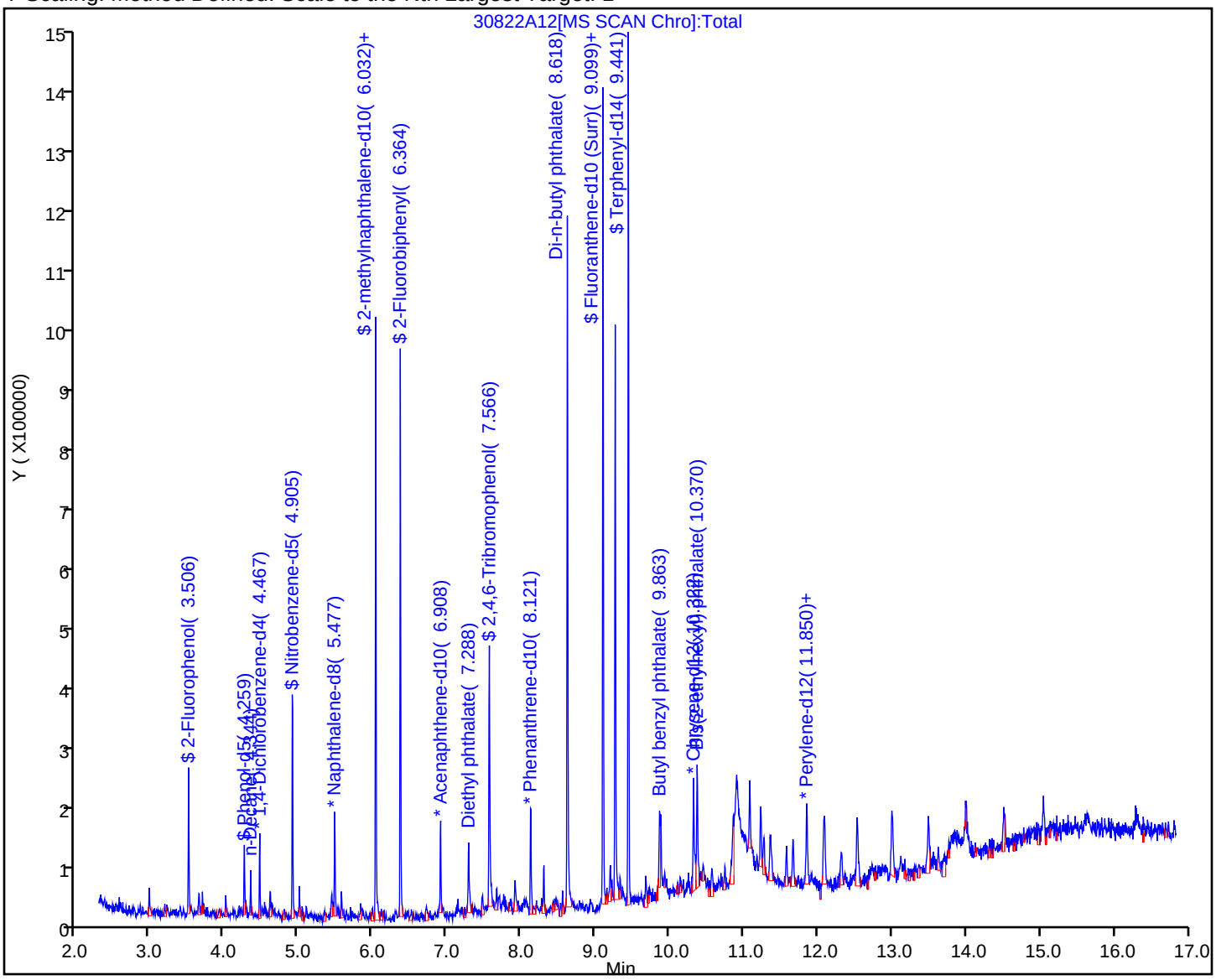
Client ID: ERH2653 (RHMW16)

Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A12.D
Lims ID: 580-110975-A-7-A
Client ID: ERH2653 (RHMW16)
Sample Type: Client
Inject. Date: 08-Mar-2022 14:21:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-7-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:45:12 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

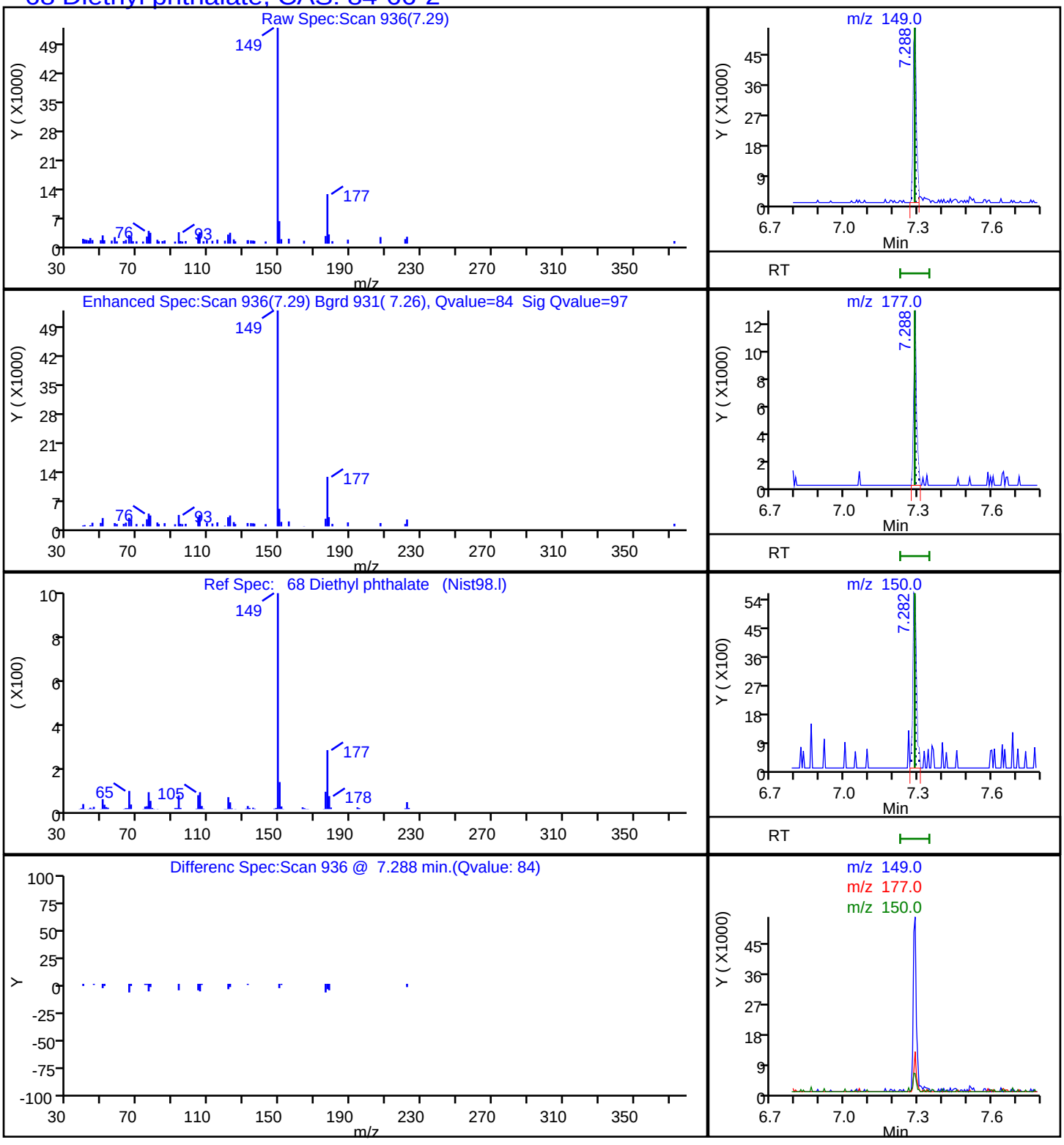
First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:45:12

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	385.7	38.57
$ 8 Phenol-d5	1000.0	215.9	21.59
$ 9 Nitrobenzene-d5	1000.0	582.5	58.25
$ 11 2-Fluorobiphenyl	1000.0	543.3	54.33
$ 12 2,4,6-Tribromophenol	1000.0	655.6	65.56
$ 14 Terphenyl-d14	1000.0	877.9	87.79

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A12.D
Injection Date: 08-Mar-2022 14:21:30 Instrument ID: TAC051
Lims ID: 580-110975-A-7-A Lab Sample ID: 580-110975-7
Client ID: ERH2653 (RHMW16)
Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

68 Diethyl phthalate, CAS: 84-66-2



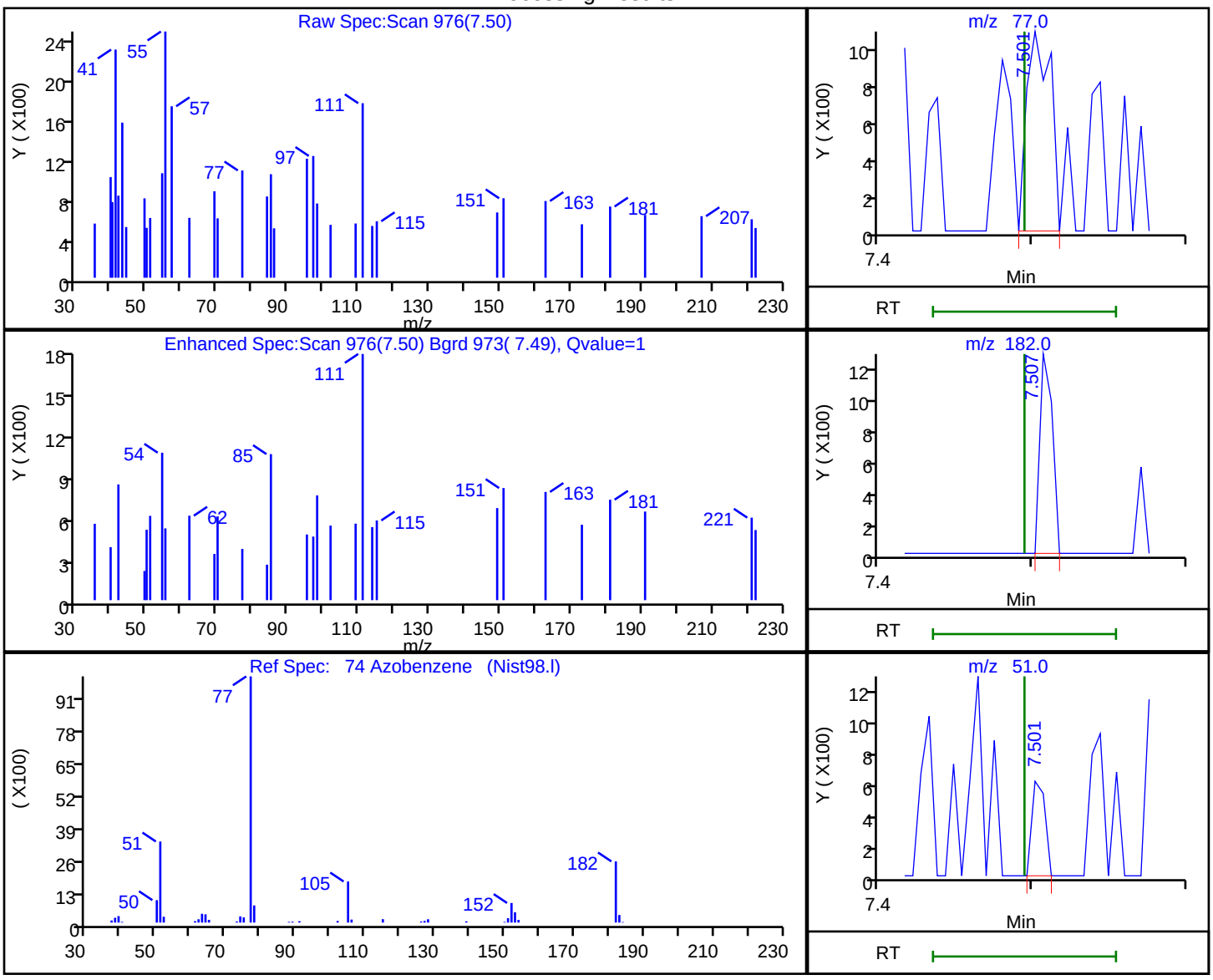
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A12.D				
Injection Date:	08-Mar-2022 14:21:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-7-A	Lab Sample ID:	580-110975-7		
Client ID:	ERH2653 (RHMW16)				
Operator ID:	TL	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

74 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.50	77.00	1175	7.550159
7.51	182.00	698	
7.50	51.00	363	

Reviewer: thaneeratw, 09-Mar-2022 09:44:08

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

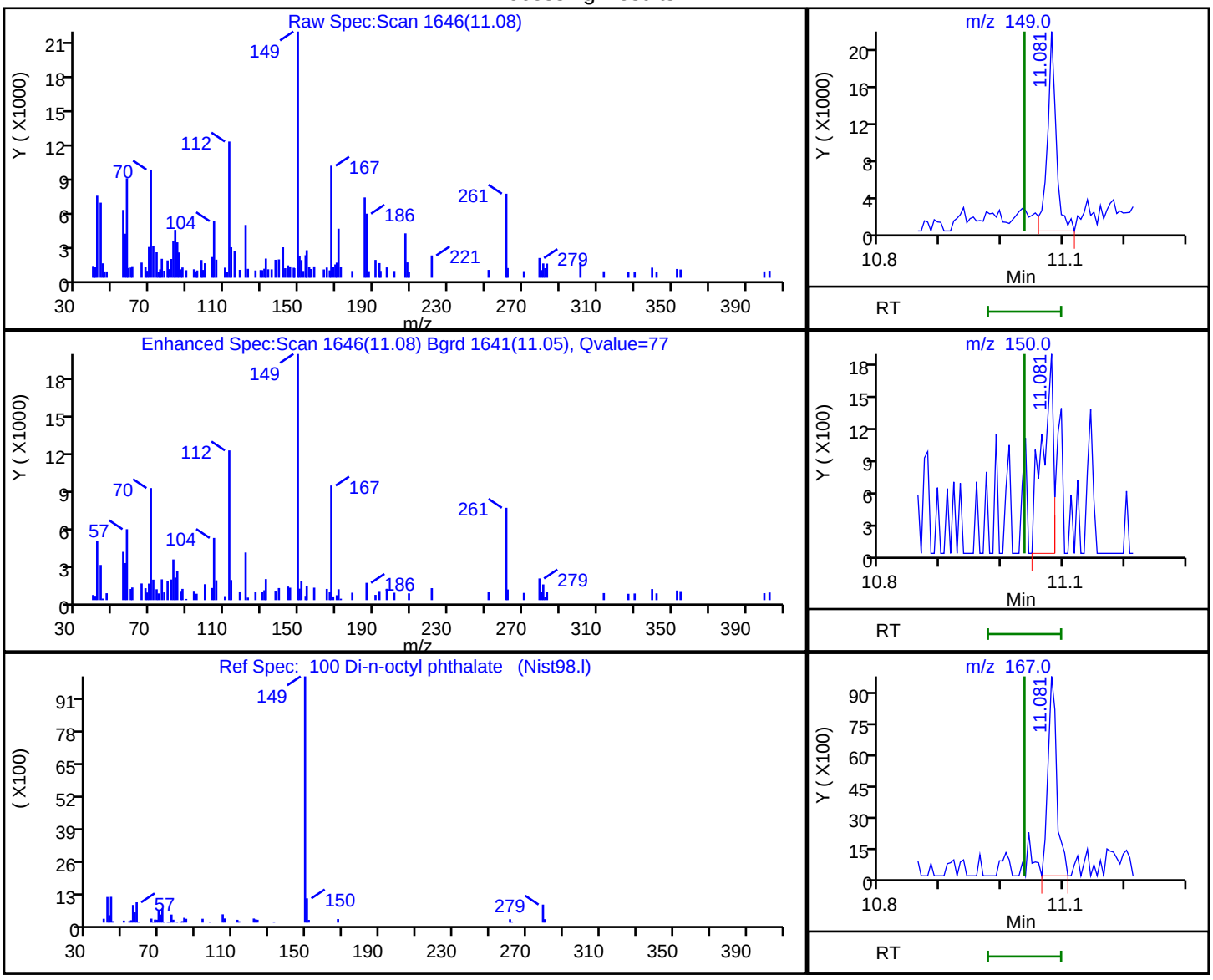
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A12.D				
Injection Date:	08-Mar-2022 14:21:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-7-A	Lab Sample ID:	580-110975-7		
Client ID:	ERH2653 (RHMW16)				
Operator ID:	TL	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.08	149.00	21017	28.531505
11.08	150.00	2369	
11.08	167.00	9690	

Reviewer: thaneeratw, 09-Mar-2022 09:44:32

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2653 (RHMW16) RA | Lab Sample ID: 580-110975-7 RA

Matrix: Water | Lab File ID: 31822A20.D

Analysis Method: 8270E | Date Collected: 03/01/2022 11:10

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 996(mL) | Date Analyzed: 03/18/2022 16:50

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384307 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A20.D
Lims ID: 580-110975-A-7-A
Client ID: ERH2653 (RHMW16)
Sample Type: Client
Inject. Date: 18-Mar-2022 16:50:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-7-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:35:23 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:35:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.457	4.454	0.003	78	29786	100.0	
* 2 Naphthalene-d8	136	5.467	5.469	-0.002	95	122914	100.0	
* 3 Acenaphthene-d10	164	6.899	6.895	0.004	88	56955	100.0	
* 4 Phenanthrene-d10	188	8.111	8.108	0.003	93	100309	100.0	
* 5 Chrysene-d12	240	10.312	10.309	0.003	91	78323	100.0	
* 6 Perylene-d12	264	11.840	11.831	0.009	89	100018	100.0	
$ 7 2-Fluorophenol	112	3.474	3.474	0.003	83	108376	394.7	
$ 8 Phenol-d5	99	4.228	4.228	0.004	98	68129	220.8	
$ 9 Nitrobenzene-d5	82	4.895	4.896	-0.002	86	158389	541.4	
$ 10 2-methylnaphthalene-d10	152	6.023	6.017	0.004	0	366526	NC	
$ 11 2-Fluorobiphenyl	172	6.354	6.354	-0.002	98	441917	583.5	
$ 12 2,4,6-Tribromophenol	330	7.556	7.550	0.009	78	86536	651.7	
$ 13 Fluoranthene-d10 (Surr)	212	9.089	9.090	0.004	0	782736	NC	
$ 14 Terphenyl-d14	244	9.431	9.437	-0.002	96	681583	907.2	
15 1,4-Dioxane	88	2.326	2.330	-0.002	1	1276	NC	
19 Phenol	94	4.238	4.233	0.009	1	1152	3.85	
22 n-Decane	57	4.334	4.335	0.003	75	21111	89.7	
26 Benzyl alcohol	79	4.634	4.586	0.052	1	435	9.74	
30 Acetophenone	105	4.783	4.784	0.003	1	1258	3.34	
46 4-Chloro-3-methylphenol	107	6.023	5.975	0.047	16	465	39.5	
47 2-Methylnaphthalene	142	6.049	6.044	0.003	35	6345	7.92	
48 1-Methylnaphthalene	142	6.135	6.124	0.009	1	3408	4.48	
54 1,1'-Biphenyl	154	6.434	6.429	0.004	2	2085	2.52	
24 Cyclohexanone	55	6.509	6.501	0.013	2	2504	NC	
68 Diethyl phthalate	149	7.278	7.273	0.004	79	30101	40.8	
73 N-Nitrosodiphenylamine	169	7.465	7.460	0.009	1	652	1.22	
74 Azobenzene	77	7.497	7.486	0.014	1	585	4.87	
79 n-Octadecane	57	8.053	8.053	0.004	9	3515	12.6	
84 Di-n-butyl phthalate	149	8.613	8.619	-0.002	90	55619	35.8	
85 Fluoranthene	202	9.100	9.106	-0.001	1	2154	2.33	
88 Benzidine	184	9.249	9.245	0.009	34	246	88.0	
94 Butyl benzyl phthalate	149	9.848	9.848	0.004	76	23866	49.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
97 Benzo[a]anthracene	228	10.312	10.302	0.014	1	828	7.89	
98 Bis(2-ethylhexyl) phthalate	149	10.360	10.366	-0.002	85	111577	155.4	
100 Di-n-octyl phthalate	149	11.060	11.023	0.041	60	36862	27.8	
101 Benzo[b]fluoranthene	252	11.407	11.397	0.014	1	849	3.09	
86 2,3-Dichlorobenzenamine	161	11.434	11.413	0.018	1	274	NC	
104 Benzo[a]pyrene	252	11.749	11.771	-0.018	1	391	5.20	
91 Nonylphenol	135	11.851	11.854	0.003	0	491	NC	
107 Benzo[g,h,i]perylene	276	13.502	13.465	0.041	1	192	3.92	
124 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

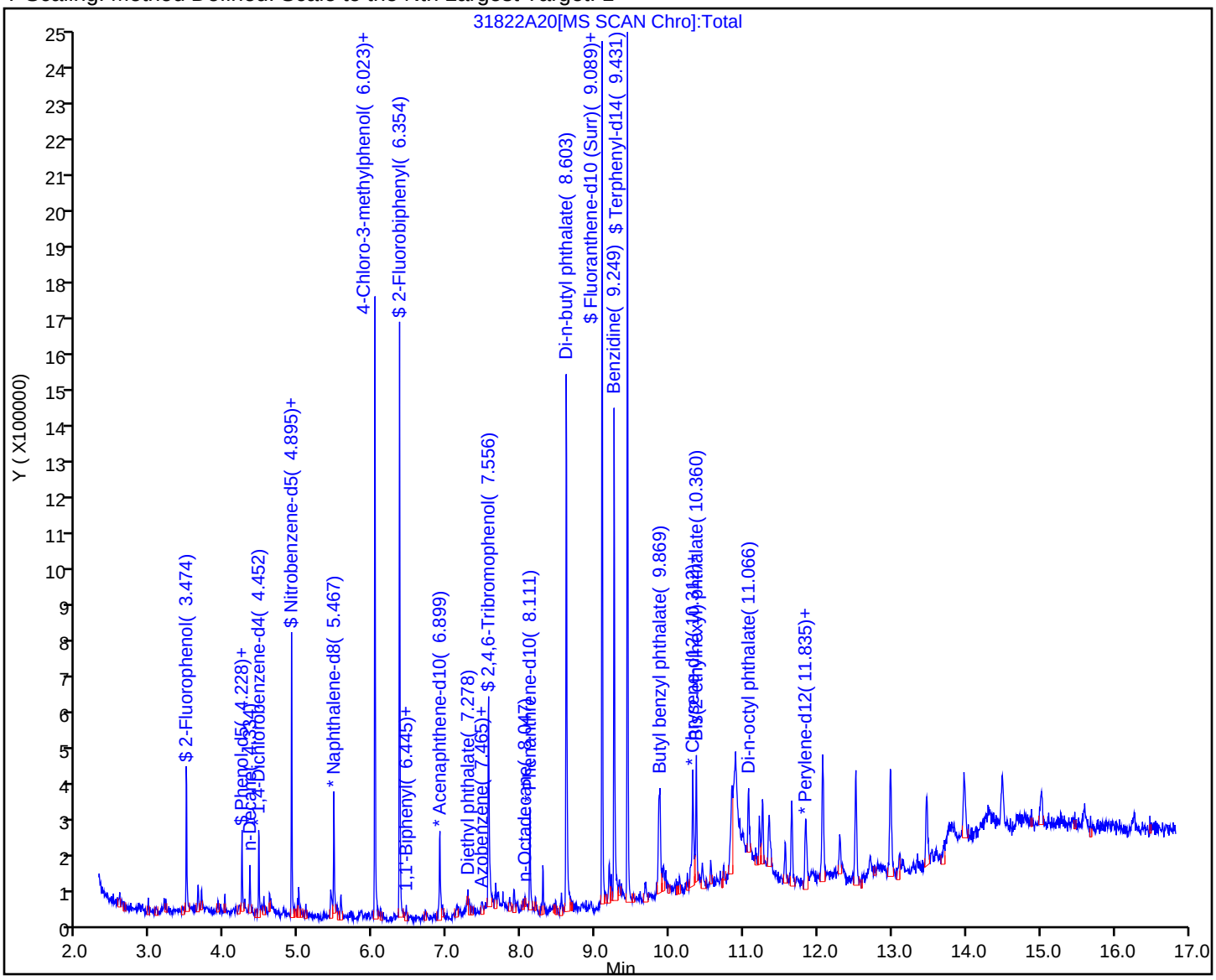
Report Date: 18-Mar-2022 20:35:23 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A20.D

Injection Date:	18-Mar-2022 16:50:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-7-A	Lab Sample ID:	580-110975-7		
Client ID:	ERH2653 (RHMW16)				
Operator ID:	TL	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A20.D
Lims ID: 580-110975-A-7-A
Client ID: ERH2653 (RHMW16)
Sample Type: Client
Inject. Date: 18-Mar-2022 16:50:30 ALS Bottle#: 19 Worklist Smp#: 19
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-7-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:35:23 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:35:23

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	394.7	39.47
$ 8 Phenol-d5	1000.0	220.8	22.08
$ 9 Nitrobenzene-d5	1000.0	541.4	54.14
$ 11 2-Fluorobiphenyl	1000.0	583.5	58.35
$ 12 2,4,6-Tribromophenol	1000.0	651.7	65.17
$ 14 Terphenyl-d14	1000.0	907.2	90.72

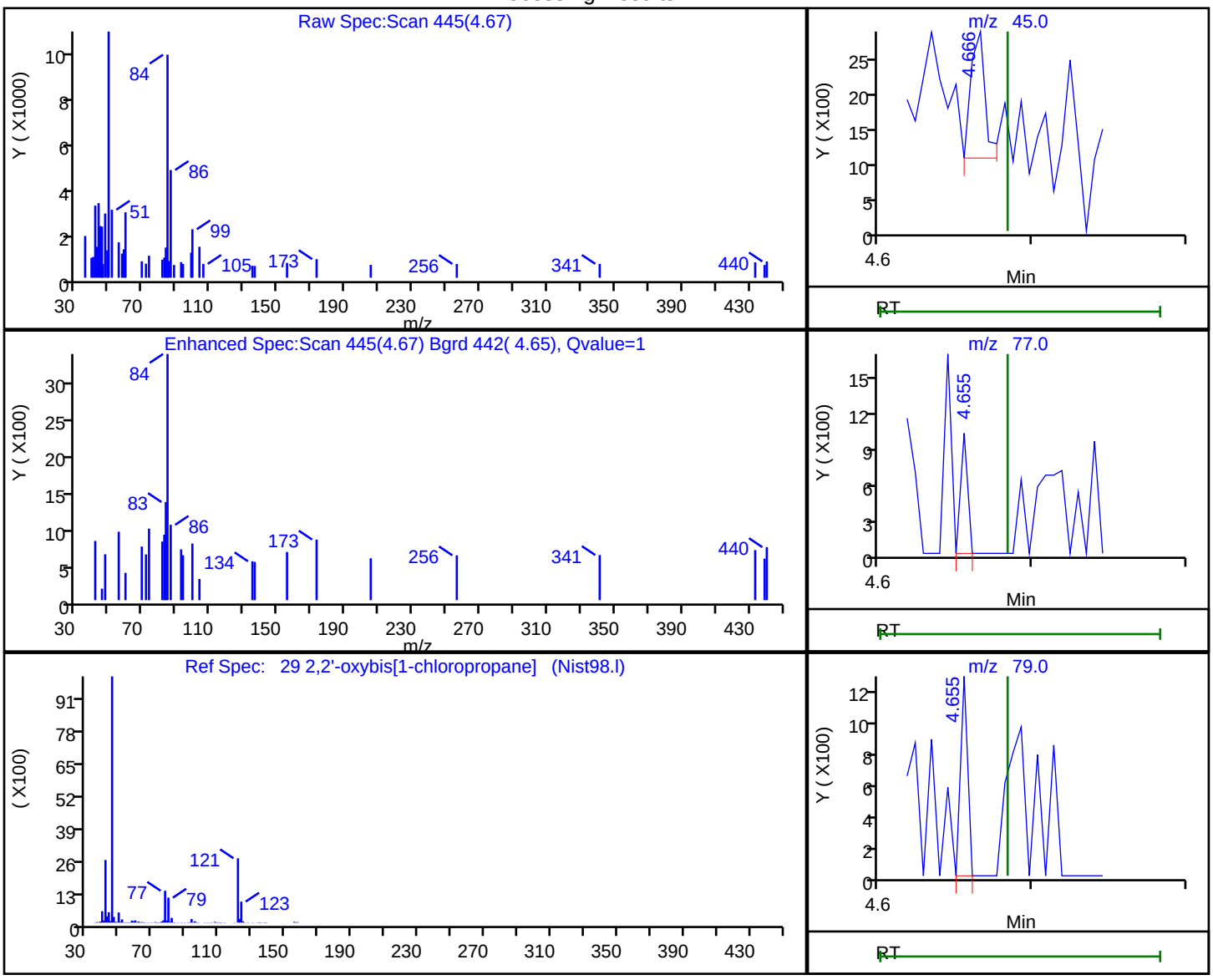
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A20.D				
Injection Date:	18-Mar-2022 16:50:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-7-A	Lab Sample ID:	580-110975-7		
Client ID:	ERH2653 (RHMW16)				
Operator ID:	TL	ALS Bottle#:	19	Worklist Smp#:	19
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.67	45.00	1162	4.020318
4.65	77.00	328	
4.65	79.00	385	

Reviewer: boylea, 18-Mar-2022 20:35:21

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2654 (RHMW12A) | Lab Sample ID: 580-110975-8

Matrix: Water | Lab File ID: 30822A13.D

Analysis Method: 8270E | Date Collected: 03/01/2022 14:20

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 994(mL) | Date Analyzed: 03/08/2022 14:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.30	0.091
95-50-1	1,2-Dichlorobenzene	0.15	U Q	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
106-46-7	1,4-Dichlorobenzene	0.091	U Q	0.40	0.091	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
103-33-3	Azobenzene	0.15	U	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.091	U	0.10	0.091	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.31	J	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.091	U	0.60	0.091	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U	0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2654 (RHMW12A) | Lab Sample ID: 580-110975-8

Matrix: Water | Lab File ID: 30822A13.D

Analysis Method: 8270E | Date Collected: 03/01/2022 14:20

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 994(mL) | Date Analyzed: 03/08/2022 14:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	0.091	U	1.0	0.091	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.091	U	0.40	0.091	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U	1.0	0.60	0.36
129-00-0	Pyrene	0.091	U	1.0	0.091	0.040
110-86-1	Pyridine	3.2	U	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	75		43-140
321-60-8	2-Fluorobiphenyl	60		44-119
367-12-4	2-Fluorophenol (Surr)	38		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	65		44-120
4165-62-2	Phenol-d5 (Surr)	23		10-120
1718-51-0	Terphenyl-d14	102		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A13.D
Lims ID: 580-110975-A-8-A
Client ID: ERH2654 (RHMW12A)
Sample Type: Client
Inject. Date: 08-Mar-2022 14:45:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-8-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:50:01 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:50:01

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.467	4.466	0.001	74	17274	100.0	
* 2 Naphthalene-d8	136	5.477	5.481	-0.004	92	59024	100.0	
* 3 Acenaphthene-d10	164	6.909	6.907	0.002	74	30397	100.0	
* 4 Phenanthrene-d10	188	8.121	8.120	0.001	82	50331	100.0	
* 5 Chrysene-d12	240	10.322	10.321	0.002	91	46149	100.0	
* 6 Perylene-d12	264	11.845	11.848	-0.003	86	55414	100.0	
$ 7 2-Fluorophenol	112	3.506	3.504	0.002	81	60559	380.5	
$ 8 Phenol-d5	99	4.259	4.257	0.002	93	41836	233.9	
$ 9 Nitrobenzene-d5	82	4.905	4.909	-0.004	88	90832	646.5	
$ 10 2-methylnaphthalene-d10	152	6.033	6.031	0.002	0	205572	NC	
$ 11 2-Fluorobiphenyl	172	6.364	6.367	-0.003	98	242363	599.6	
$ 12 2,4,6-Tribromophenol	330	7.566	7.564	0.002	76	50310	748.9	
$ 13 Fluoranthene-d10 (Surr)	212	9.099	9.097	0.002	0	436229	NC	
$ 14 Terphenyl-d14	244	9.441	9.444	-0.003	93	386172	1024.4	
15 1,4-Dioxane	88	2.443	2.475	-0.032	1	346	NC	
22 n-Decane	57	4.345	4.343	0.002	76	12133	88.9	
57 Dimethyl phthalate	163	6.711	6.709	0.002	23	4627	9.52	
68 Diethyl phthalate	149	7.288	7.286	0.002	91	59868	151.9	
79 n-Octadecane	57	8.063	8.061	0.002	1	1789	12.7	
84 Di-n-butyl phthalate	149	8.629	8.627	0.002	86	29123	37.4	
94 Butyl benzyl phthalate	149	9.858	9.856	0.002	59	16177	55.4	
98 Bis(2-ethylhexyl) phthalate	149	10.370	10.374	-0.004	85	45289	107.0	
86 2,3-Dichlorobenzenamine	161	11.439	11.416	0.023	1	440	NC	
91 Nonylphenol	135	11.856	11.848	0.008	0	1850	NC	
124 DFTPP								

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

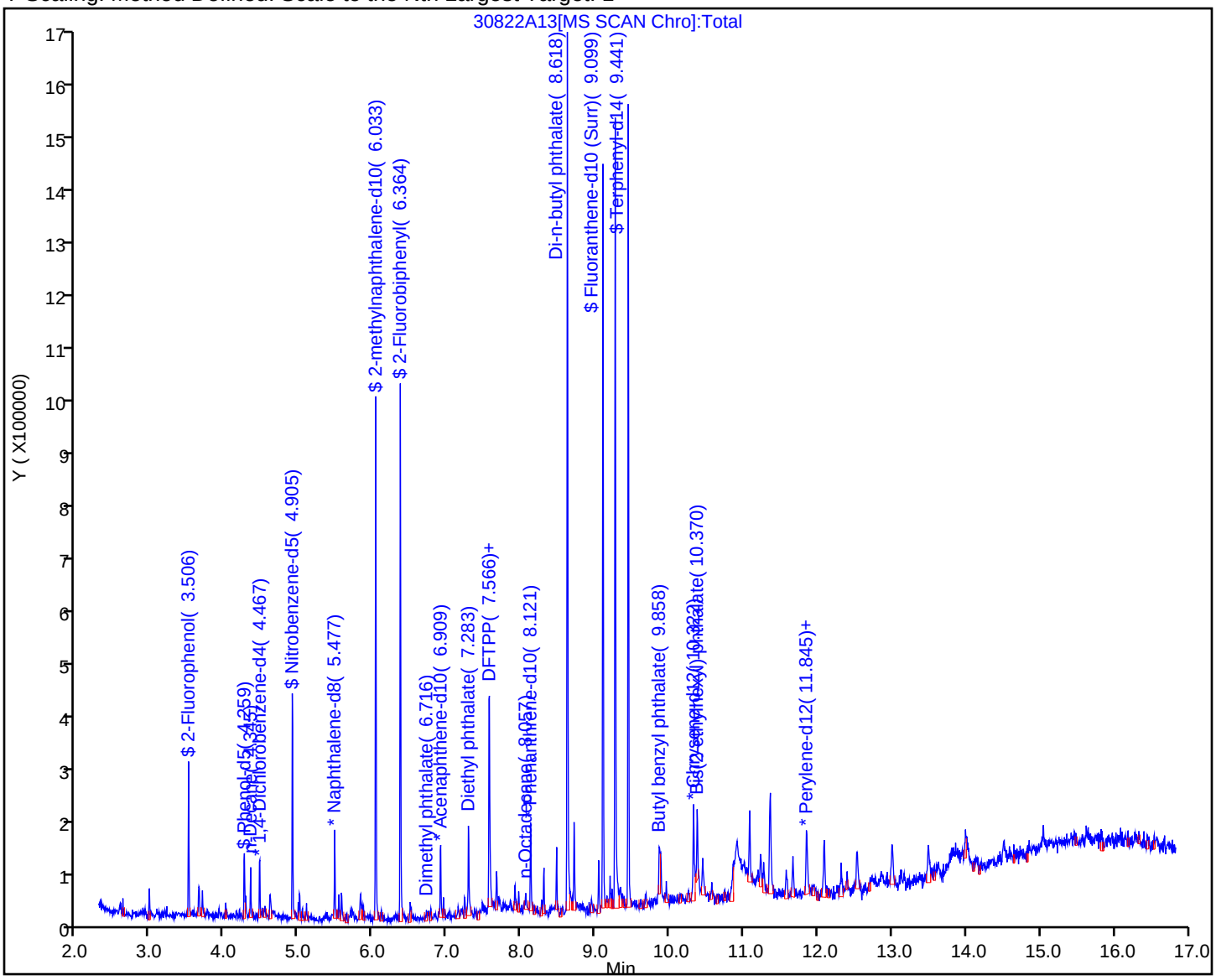
Report Date: 09-Mar-2022 09:50:02 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A13.D

Injection Date:	08-Mar-2022 14:45:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-8-A	Lab Sample ID:	580-110975-8		
Client ID:	ERH2654 (RHMW12A)				
Operator ID:	TL	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A13.D
Lims ID: 580-110975-A-8-A
Client ID: ERH2654 (RHMW12A)
Sample Type: Client
Inject. Date: 08-Mar-2022 14:45:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-8-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:50:01 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

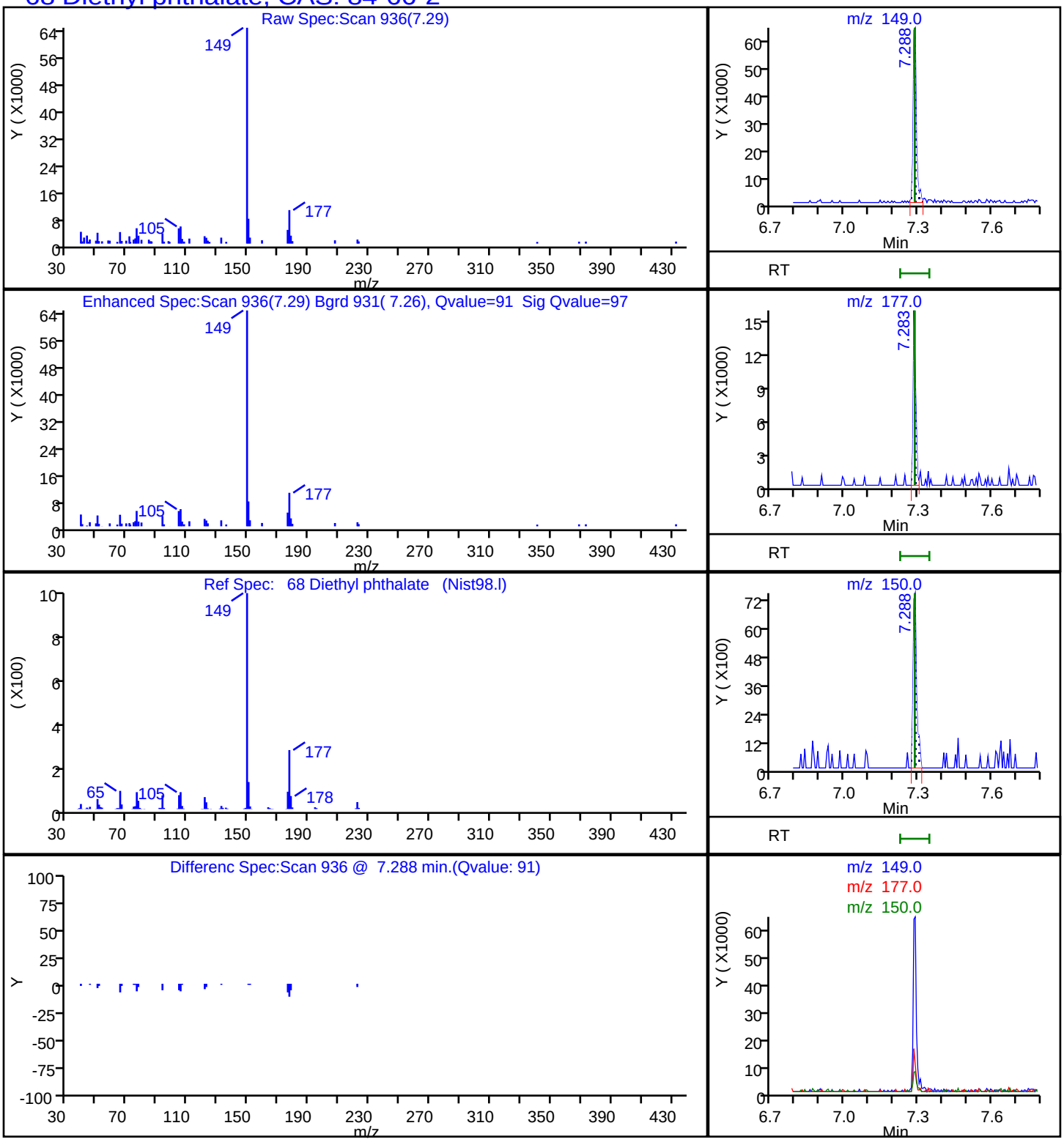
First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:50:01

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	380.5	38.05
$ 8 Phenol-d5	1000.0	233.9	23.39
$ 9 Nitrobenzene-d5	1000.0	646.5	64.65
$ 11 2-Fluorobiphenyl	1000.0	599.6	59.96
$ 12 2,4,6-Tribromophenol	1000.0	748.9	74.89
$ 14 Terphenyl-d14	1000.0	1024.4	102.44

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A13.D
Injection Date: 08-Mar-2022 14:45:30 Instrument ID: TAC051
Lims ID: 580-110975-A-8-A Lab Sample ID: 580-110975-8
Client ID: ERH2654 (RHMW12A)
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

68 Diethyl phthalate, CAS: 84-66-2



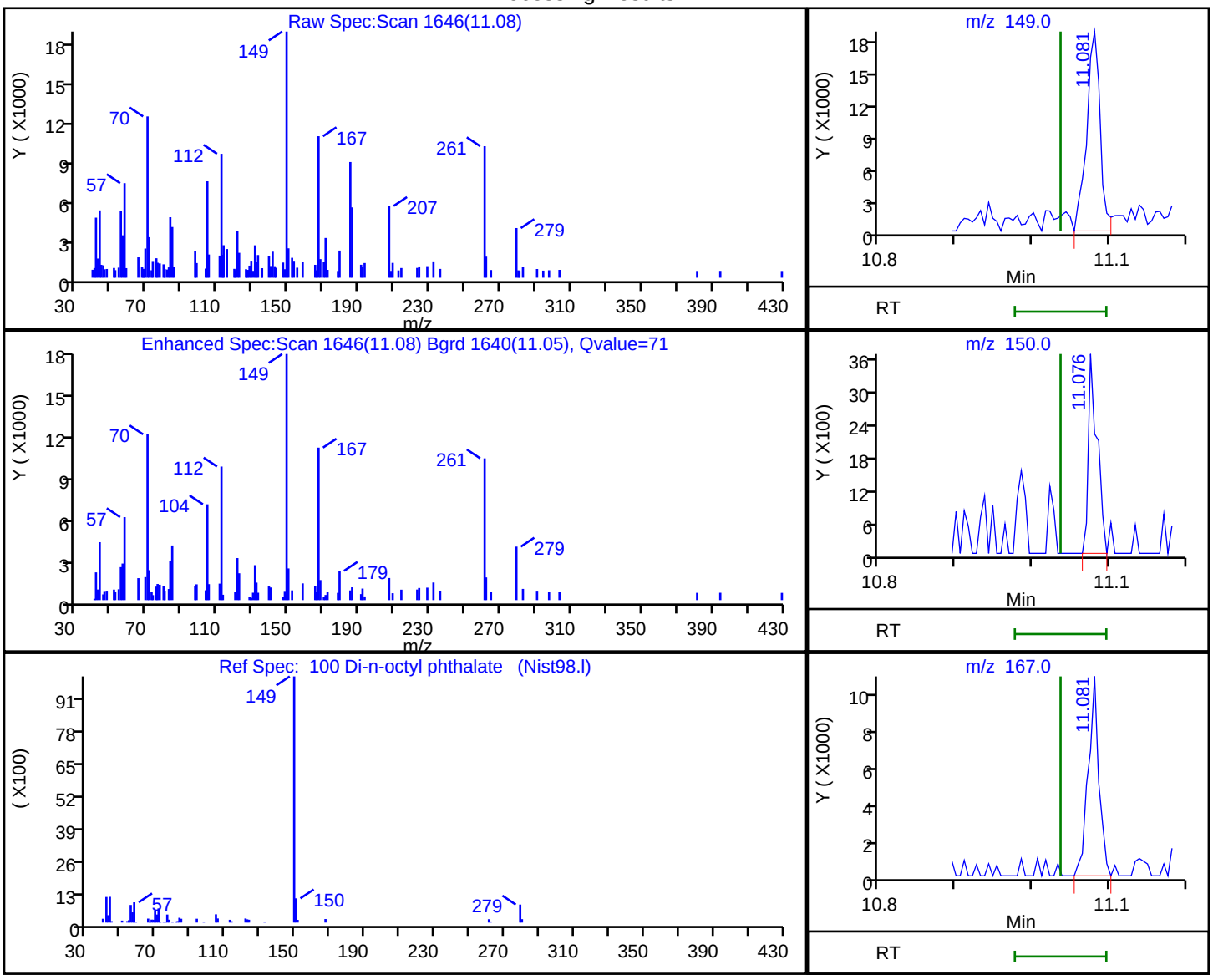
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A13.D				
Injection Date:	08-Mar-2022 14:45:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-8-A	Lab Sample ID:	580-110975-8		
Client ID:	ERH2654 (RHMW12A)				
Operator ID:	TL	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.08	149.00	22675	30.906188
11.08	150.00	2957	
11.08	167.00	10342	

Reviewer: thaneeratw, 09-Mar-2022 09:48:10

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2654 (RHMW12A) RA | Lab Sample ID: 580-110975-8 RA

Matrix: Water | Lab File ID: 31822A21.D

Analysis Method: 8270E | Date Collected: 03/01/2022 14:20

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 994(mL) | Date Analyzed: 03/18/2022 17:13

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384307 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A21.D
Lims ID: 580-110975-A-8-A
Client ID: ERH2654 (RHMW12A)
Sample Type: Client
Inject. Date: 18-Mar-2022 17:13:30 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-8-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:35:39 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:35:39

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.456	4.454	0.002	83	36607	100.0	
* 2 Naphthalene-d8	136	5.466	5.469	-0.003	97	123339	100.0	
* 3 Acenaphthene-d10	164	6.898	6.895	0.003	86	59077	100.0	
* 4 Phenanthrene-d10	188	8.110	8.108	0.002	92	102000	100.0	
* 5 Chrysene-d12	240	10.311	10.309	0.002	90	81880	100.0	
* 6 Perylene-d12	264	11.834	11.831	0.003	93	98822	100.0	
$ 7 2-Fluorophenol	112	3.473	3.474	0.002	85	132104	391.5	
$ 8 Phenol-d5	99	4.227	4.228	0.003	97	83720	220.8	
$ 9 Nitrobenzene-d5	82	4.894	4.896	-0.003	86	192012	654.0	
$ 10 2-methylnaphthalene-d10	152	6.022	6.017	0.003	0	418463	NC	
$ 11 2-Fluorobiphenyl	172	6.353	6.354	-0.003	98	517003	658.2	
$ 12 2,4,6-Tribromophenol	330	7.555	7.550	0.008	74	93648	691.0	
$ 13 Fluoranthene-d10 (Surr)	212	9.088	9.090	0.003	0	844804	NC	
$ 14 Terphenyl-d14	244	9.430	9.437	-0.003	96	731919	958.1	
15 1,4-Dioxane	88	2.362	2.330	0.034	1	3684	NC	
22 n-Decane	57	4.334	4.335	0.003	80	23659	81.8	
30 Acetophenone	105	4.782	4.784	0.002	1	644	1.39	
34 Nitrobenzene	77	4.894	4.912	-0.019	4	1867	14.7	
46 4-Chloro-3-methylphenol	107	6.022	5.975	0.046	11	625	40.1	
47 2-Methylnaphthalene	142	6.048	6.044	0.002	1	812	1.01	
24 Cyclohexanone	55	6.502	6.501	0.006	1	2218	NC	
57 Dimethyl phthalate	163	6.705	6.696	0.008	30	10676	12.0	
58 1,3-Dinitrobenzene	168	6.727	6.723	0.003	1	197	120.0	
68 Diethyl phthalate	149	7.277	7.273	0.003	79	49363	64.5	
71 4-Nitroaniline	138	7.341	7.390	-0.051	1	394	67.4	
74 Azobenzene	77	7.496	7.486	0.013	31	2043	7.44	
79 n-Octadecane	57	8.052	8.053	0.003	26	2756	10.1	
83 Carbazole	167	8.351	8.325	0.030	1	618	4.96	
84 Di-n-butyl phthalate	149	8.618	8.619	0.003	91	61080	38.8	
85 Fluoranthene	202	9.088	9.106	-0.013	21	539	1.03	
88 Benzidine	184	9.254	9.245	0.014	28	632	89.3	
94 Butyl benzyl phthalate	149	9.847	9.848	0.003	67	30872	59.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
98 Bis(2-ethylhexyl) phthalate	149	10.359	10.366	-0.003	88	85406	113.8	
100 Di-n-octyl phthalate	149	11.070	11.023	0.051	81	40018	30.6	
101 Benzo[b]fluoranthene	252	11.407	11.397	0.013	1	747	3.00	
86 2,3-Dichlorobenzenamine	161	11.439	11.413	0.023	1	665	NC	
104 Benzo[a]pyrene	252	11.711	11.771	-0.056	1	572	5.38	
91 Nonylphenol	135	11.866	11.854	0.018	0	1547	NC	
107 Benzo[g,h,i]perylene	276	13.495	13.465	0.034	1	443	4.12	
124 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

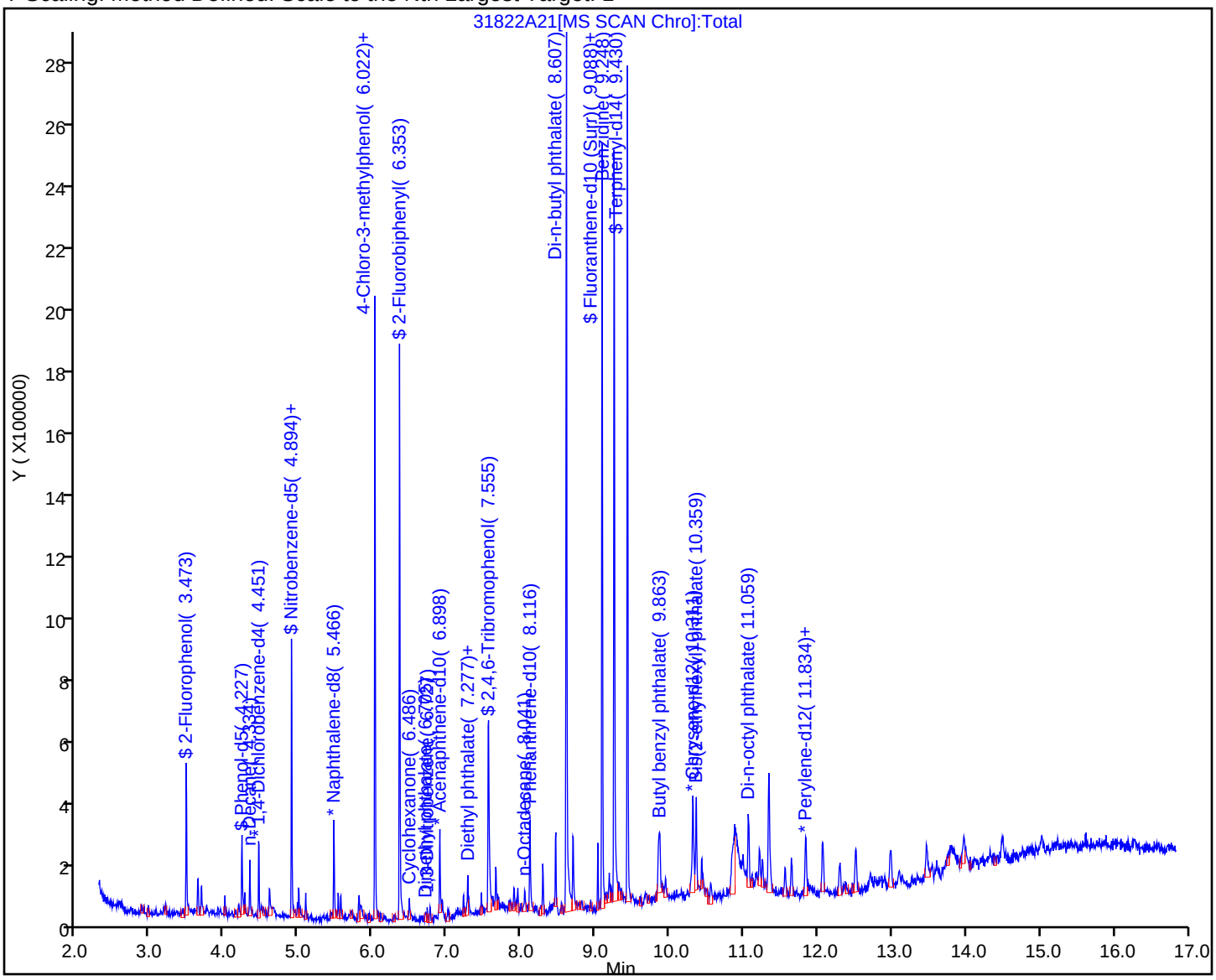
Report Date: 18-Mar-2022 20:35:39 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A21.D

Injection Date:	18-Mar-2022 17:13:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-8-A	Lab Sample ID:	580-110975-8		
Client ID:	ERH2654 (RHMW12A)				
Operator ID:	TL	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A21.D
Lims ID: 580-110975-A-8-A
Client ID: ERH2654 (RHMW12A)
Sample Type: Client
Inject. Date: 18-Mar-2022 17:13:30 ALS Bottle#: 20 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-8-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:35:39 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:35:39

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	391.5	39.15
$ 8 Phenol-d5	1000.0	220.8	22.08
$ 9 Nitrobenzene-d5	1000.0	654.0	65.40
$ 11 2-Fluorobiphenyl	1000.0	658.2	65.82
$ 12 2,4,6-Tribromophenol	1000.0	691.0	69.10
$ 14 Terphenyl-d14	1000.0	958.1	95.81

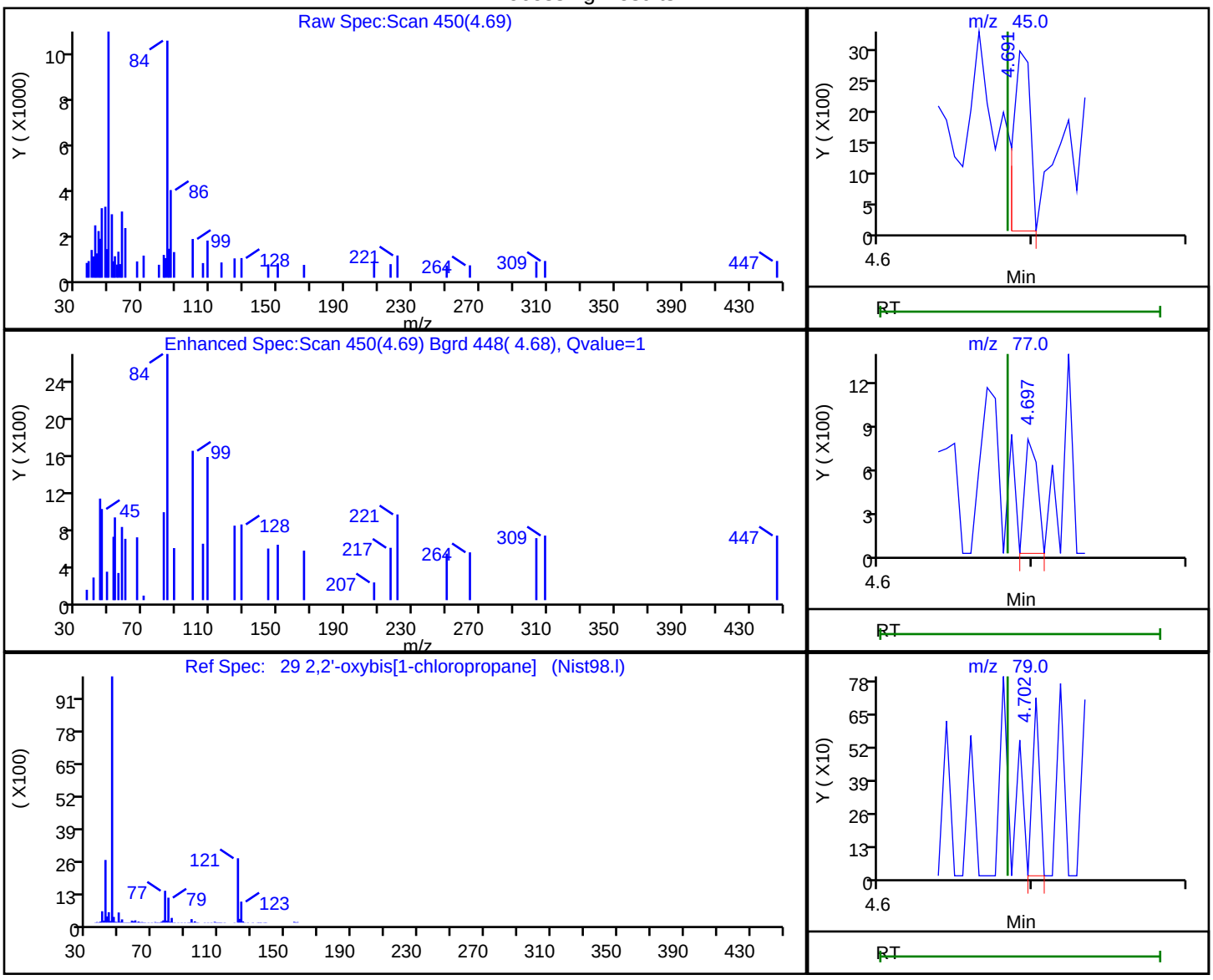
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A21.D				
Injection Date:	18-Mar-2022 17:13:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-8-A	Lab Sample ID:	580-110975-8		
Client ID:	ERH2654 (RHMW12A)				
Operator ID:	TL	ALS Bottle#:	20	Worklist Smp#:	20
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.69	45.00	2222	6.255275
4.70	77.00	433	
4.70	79.00	227	

Reviewer: boylea, 18-Mar-2022 20:35:28

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2655 (RHMW04) | Lab Sample ID: 580-110975-9

Matrix: Water | Lab File ID: 30822A14.D

Analysis Method: 8270E | Date Collected: 03/01/2022 11:30

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 997.7(mL) | Date Analyzed: 03/08/2022 15:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	0.15	U Q	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.090	U Q	0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	0.090	U Q	0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
103-33-3	Azobenzene	0.15	U M	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.090	U	0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.30	J	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.090	U	0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	0.15	U Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U Q	1.0	0.15	0.050
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U	0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2655 (RHMW04) | Lab Sample ID: 580-110975-9

Matrix: Water | Lab File ID: 30822A14.D

Analysis Method: 8270E | Date Collected: 03/01/2022 11:30

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 997.7(mL) | Date Analyzed: 03/08/2022 15:08

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383156 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	0.090	U	1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.090	U	0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U	1.0	0.60	0.36
129-00-0	Pyrene	0.090	U	1.0	0.090	0.040
110-86-1	Pyridine	3.2	U	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	69		43-140
321-60-8	2-Fluorobiphenyl	72		44-119
367-12-4	2-Fluorophenol (Surr)	44		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	73		44-120
4165-62-2	Phenol-d5 (Surr)	27		10-120
1718-51-0	Terphenyl-d14	109		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A14.D
Lims ID: 580-110975-A-9-A
Client ID: ERH2655 (RHMW04)
Sample Type: Client
Inject. Date: 08-Mar-2022 15:08:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-9-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:52:41 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:52:41

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.467	4.466	0.001	78	14453	100.0	
* 2 Naphthalene-d8	136	5.482	5.481	0.001	91	56827	100.0	
* 3 Acenaphthene-d10	164	6.908	6.907	0.001	82	28724	100.0	
* 4 Phenanthrene-d10	188	8.126	8.120	0.006	82	51409	100.0	
* 5 Chrysene-d12	240	10.327	10.321	0.007	83	44824	100.0	
* 6 Perylene-d12	264	11.849	11.848	0.001	87	55945	100.0	
$ 7 2-Fluorophenol	112	3.505	3.504	0.001	80	58640	439.6	
$ 8 Phenol-d5	99	4.258	4.257	0.001	96	40041	267.8	
$ 9 Nitrobenzene-d5	82	4.910	4.909	0.001	84	98894	731.1	
$ 10 2-methylnaphthalene-d10	152	6.032	6.031	0.001	0	220141	NC	
$ 11 2-Fluorobiphenyl	172	6.363	6.367	-0.004	99	274919	719.8	
$ 12 2,4,6-Tribromophenol	330	7.565	7.564	0.001	73	47111	689.8	
$ 13 Fluoranthene-d10 (Surr)	212	9.098	9.097	0.001	0	476319	NC	
$ 14 Terphenyl-d14	244	9.445	9.444	0.001	95	421459	1094.6	
15 1,4-Dioxane	88	2.479	2.475	0.004	1	1889	NC	
22 n-Decane	57	4.344	4.343	0.001	78	11544	101.1	
68 Diethyl phthalate	149	7.287	7.286	0.001	88	55020	147.8	
84 Di-n-butyl phthalate	149	8.628	8.627	0.001	83	20317	24.9	
94 Butyl benzyl phthalate	149	9.857	9.856	0.001	56	9652	37.1	
98 Bis(2-ethylhexyl) phthalate	149	10.370	10.374	-0.004	83	56939	138.6	
86 2,3-Dichlorobenzenamine	161	11.465	11.416	0.049	1	188	NC	
91 Nonylphenol	135	11.812	11.848	-0.036	0	989	NC	
124 DFTPP								

QC Flag Legend

Processing Flags
NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 09:52:41 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A14.D

Injection Date: 08-Mar-2022 15:08:30 Instrument ID: TAC051

Lims ID: 580-110975-A-9-A Lab Sample ID: 580-110975-9

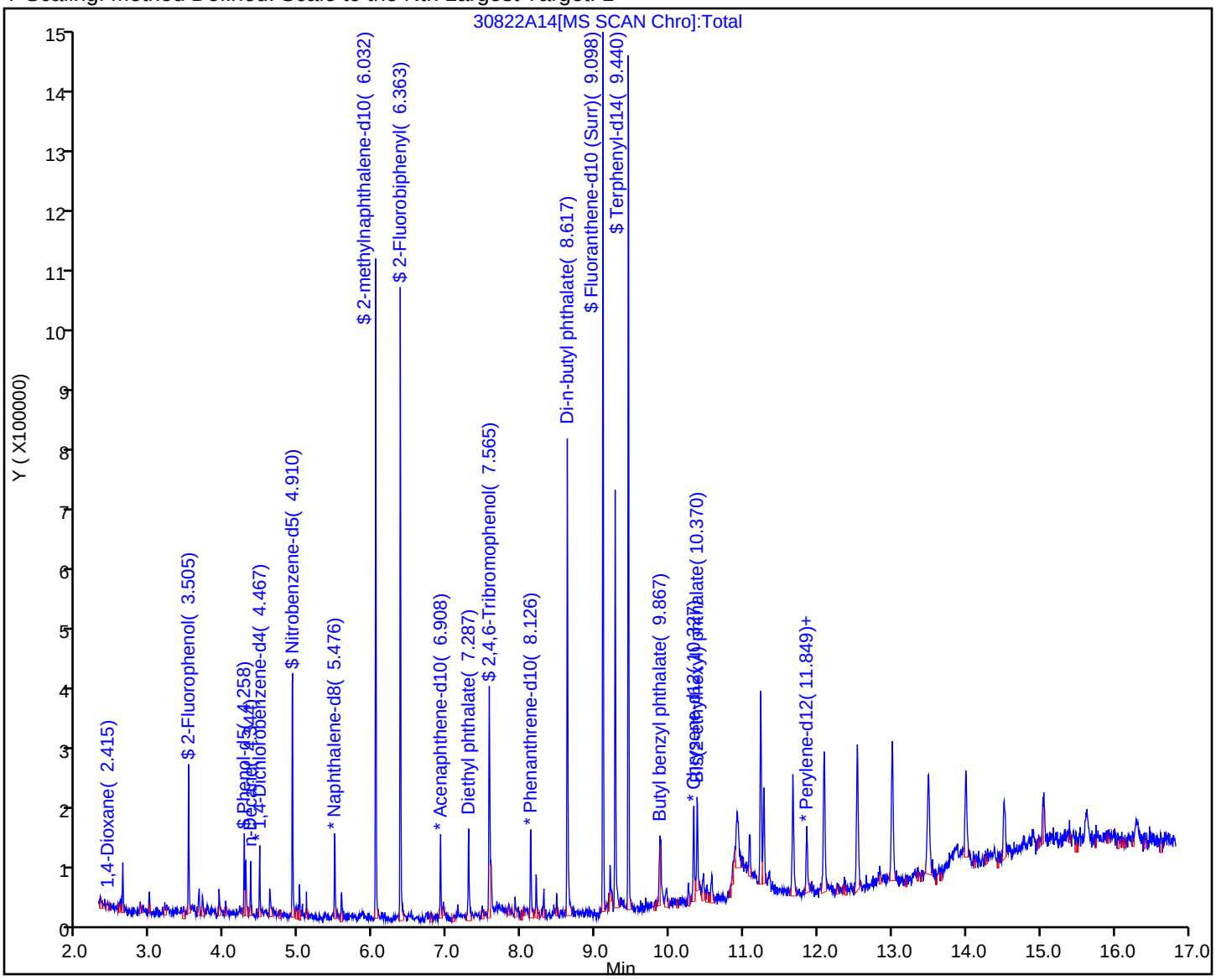
Client ID: ERH2655 (RHMW04)

Operator ID: TL ALS Bottle#: 13 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A14.D
Lims ID: 580-110975-A-9-A
Client ID: ERH2655 (RHMW04)
Sample Type: Client
Inject. Date: 08-Mar-2022 15:08:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-9-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:52:41 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

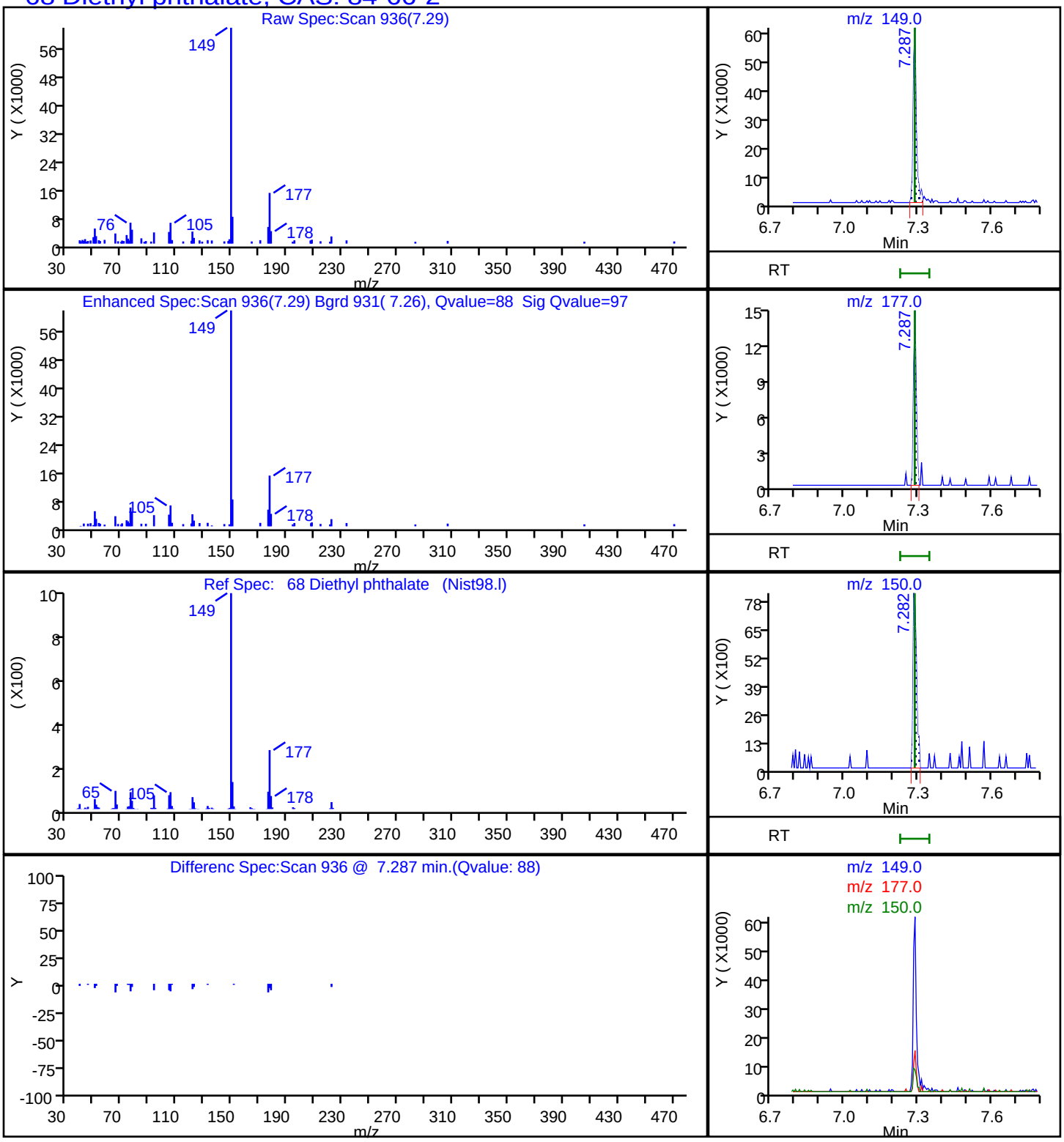
First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:52:41

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	439.6	43.96
$ 8 Phenol-d5	1000.0	267.8	26.78
$ 9 Nitrobenzene-d5	1000.0	731.1	73.11
$ 11 2-Fluorobiphenyl	1000.0	719.8	71.98
$ 12 2,4,6-Tribromophenol	1000.0	689.8	68.98
$ 14 Terphenyl-d14	1000.0	1094.6	109.46

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A14.D
Injection Date: 08-Mar-2022 15:08:30 Instrument ID: TAC051
Lims ID: 580-110975-A-9-A Lab Sample ID: 580-110975-9
Client ID: ERH2655 (RHMW04)
Operator ID: TL ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

68 Diethyl phthalate, CAS: 84-66-2



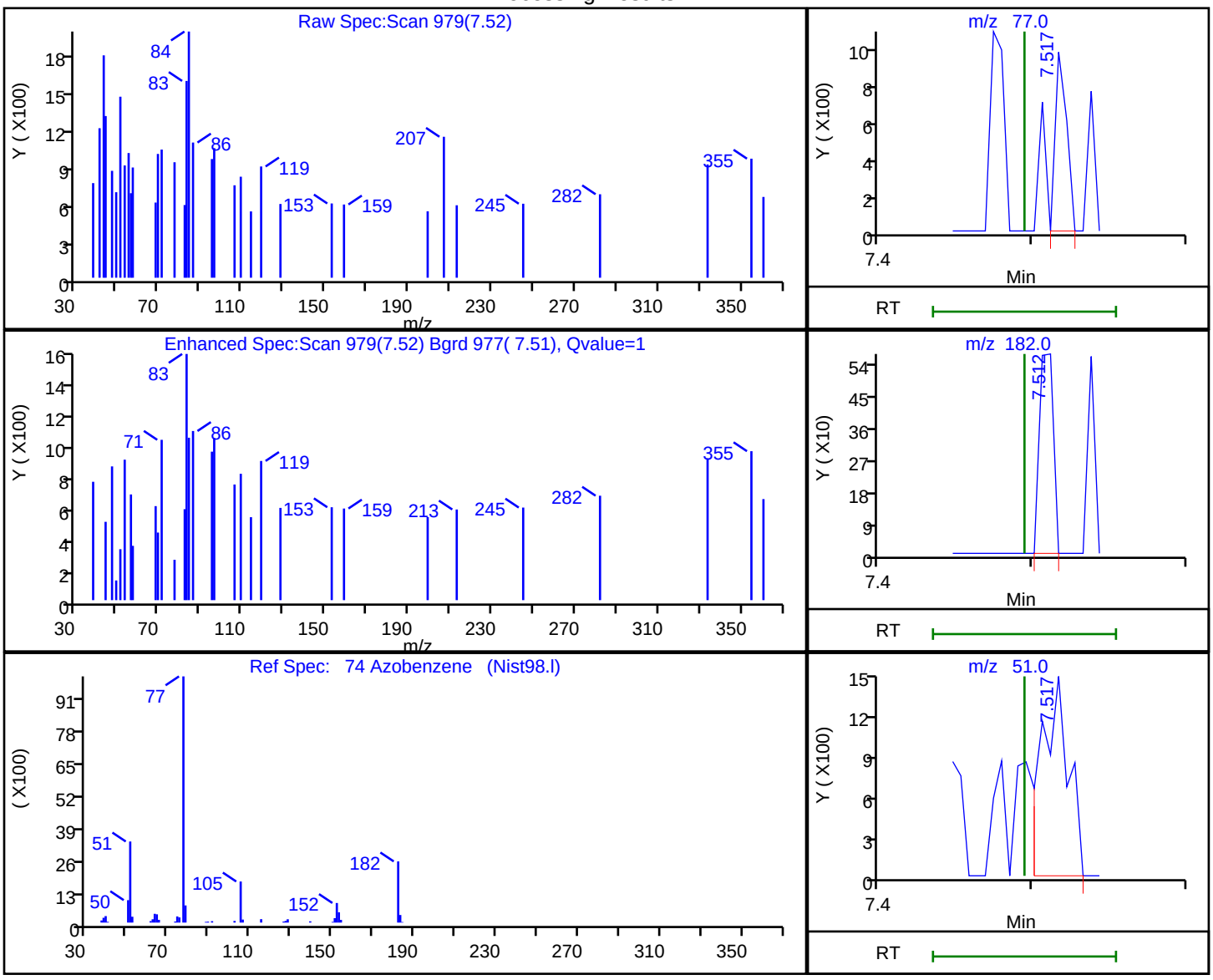
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A14.D				
Injection Date:	08-Mar-2022 15:08:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-9-A	Lab Sample ID:	580-110975-9		
Client ID:	ERH2655 (RHMW04)				
Operator ID:	TL	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

74 Azobenzene, CAS: 103-33-3

Processing Results



RT	Mass	Response	Amount
7.52	77.00	467	5.458855
7.51	182.00	361	
7.52	51.00	1737	

Reviewer: thaneeratw, 09-Mar-2022 09:51:44

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

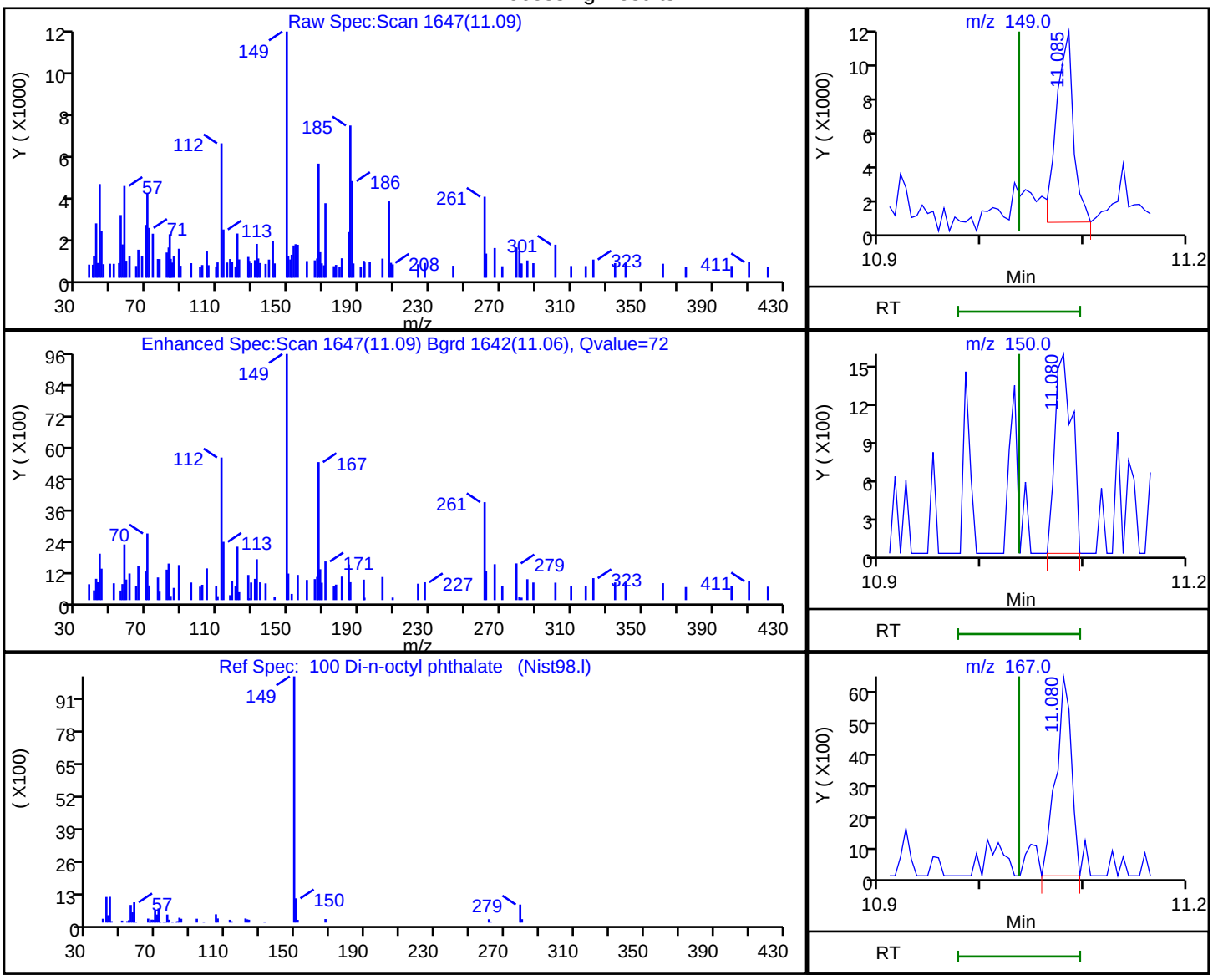
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A14.D				
Injection Date:	08-Mar-2022 15:08:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-9-A	Lab Sample ID:	580-110975-9		
Client ID:	ERH2655 (RHMW04)				
Operator ID:	TL	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.09	149.00	12681	17.120241
11.08	150.00	1845	
11.08	167.00	6743	

Reviewer: thaneeratw, 09-Mar-2022 09:52:05

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2655 (RHMW04) RA | Lab Sample ID: 580-110975-9 RA

Matrix: Water | Lab File ID: 31822A22.D

Analysis Method: 8270E | Date Collected: 03/01/2022 11:30

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 997.7(mL) | Date Analyzed: 03/18/2022 17:37

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384307 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A22.D
Lims ID: 580-110975-A-9-A
Client ID: ERH2655 (RHMW04)
Sample Type: Client
Inject. Date: 18-Mar-2022 17:37:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-9-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:35:56 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:35:56

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.458	4.454	0.004	84	35274	100.0	
* 2 Naphthalene-d8	136	5.467	5.469	-0.002	96	130696	100.0	
* 3 Acenaphthene-d10	164	6.894	6.895	-0.001	81	66317	100.0	
* 4 Phenanthrene-d10	188	8.112	8.108	0.004	89	108539	100.0	
* 5 Chrysene-d12	240	10.313	10.309	0.004	95	89973	100.0	
* 6 Perylene-d12	264	11.835	11.831	0.004	90	106303	100.0	
$ 7 2-Fluorophenol	112	3.475	3.474	0.004	84	118925	366.1	
$ 8 Phenol-d5	99	4.228	4.228	0.004	97	76691	209.8	
$ 9 Nitrobenzene-d5	82	4.896	4.896	-0.001	86	189851	610.3	
$ 10 2-methylnaphthalene-d10	152	6.023	6.017	0.004	0	457394	NC	
$ 11 2-Fluorobiphenyl	172	6.354	6.354	-0.002	98	567830	643.9	
$ 12 2,4,6-Tribromophenol	330	7.556	7.550	0.009	78	87375	610.7	
$ 13 Fluoranthene-d10 (Surr)	212	9.089	9.090	0.004	0	878473	NC	
$ 14 Terphenyl-d14	244	9.431	9.437	-0.002	95	788044	969.4	
15 1,4-Dioxane	88	2.326	2.330	-0.002	1	441	NC	
19 Phenol	94	4.233	4.233	0.004	12	1503	4.24	
22 n-Decane	57	4.335	4.335	0.004	83	26272	94.3	
26 Benzyl alcohol	79	4.602	4.586	0.020	1	914	11.6	
30 Acetophenone	105	4.773	4.784	-0.007	1	486	1.09	
34 Nitrobenzene	77	4.949	4.912	0.036	1	742	11.2	
46 4-Chloro-3-methylphenol	107	6.023	5.975	0.047	18	681	40.1	
47 2-Methylnaphthalene	142	6.050	6.044	0.004	1	1243	1.46	
24 Cyclohexanone	55	6.509	6.501	0.013	1	361	NC	
57 Dimethyl phthalate	163	6.701	6.696	0.004	34	5709	3.88	
68 Diethyl phthalate	149	7.273	7.273	-0.001	85	34062	39.6	
74 Azobenzene	77	7.476	7.486	-0.007	1	902	5.32	
79 n-Octadecane	57	8.042	8.053	-0.007	6	2040	7.50	
81 Anthracene	178	8.133	8.176	-0.039	1	3421	10.1	
83 Carbazole	167	8.320	8.325	-0.001	1	173	4.47	
84 Di-n-butyl phthalate	149	8.619	8.619	0.004	65	39331	22.7	
85 Fluoranthene	202	9.089	9.106	-0.012	30	1417	1.66	
94 Butyl benzyl phthalate	149	9.848	9.848	0.004	66	17639	34.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
97 Benzo[a]anthracene	228	10.313	10.302	0.015	1	1496	8.36	
98 Bis(2-ethylhexyl) phthalate	149	10.361	10.366	-0.001	85	113613	137.8	
100 Di-n-octyl phthalate	149	11.066	11.023	0.047	69	19420	13.8	
86 2,3-Dichlorobenzenamine	161	11.440	11.413	0.024	1	439	NC	
104 Benzo[a]pyrene	252	11.787	11.771	0.020	1	222	5.02	
91 Nonylphenol	135	11.857	11.854	0.008	0	1139	NC	
92 2,4'-DDT	235	11.830	11.869	-0.034	1	255	NC	
107 Benzo[g,h,i]perylene	276	13.470	13.465	0.009	1	434	4.09	
124 DFTPP								

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

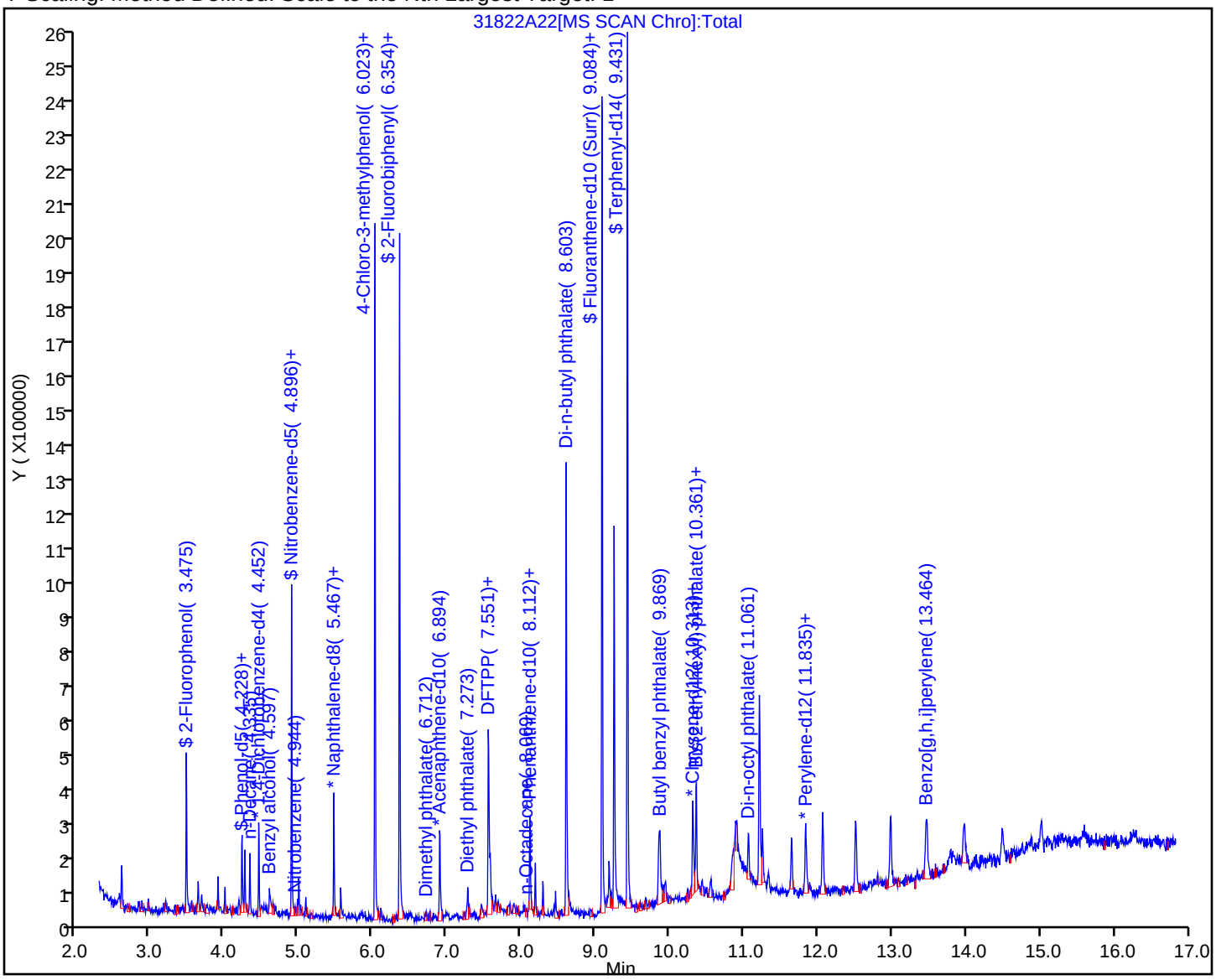
Report Date: 18-Mar-2022 20:35:56 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A22.D

Injection Date:	18-Mar-2022 17:37:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-9-A	Lab Sample ID:	580-110975-9		
Client ID:	ERH2655 (RHMW04)				
Operator ID:	TL	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A22.D
Lims ID: 580-110975-A-9-A
Client ID: ERH2655 (RHMW04)
Sample Type: Client
Inject. Date: 18-Mar-2022 17:37:30 ALS Bottle#: 21 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-a-9-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:35:56 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:35:56

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	366.1	36.61
$ 8 Phenol-d5	1000.0	209.8	20.98
$ 9 Nitrobenzene-d5	1000.0	610.3	61.03
$ 11 2-Fluorobiphenyl	1000.0	643.9	64.39
$ 12 2,4,6-Tribromophenol	1000.0	610.7	61.07
$ 14 Terphenyl-d14	1000.0	969.4	96.94

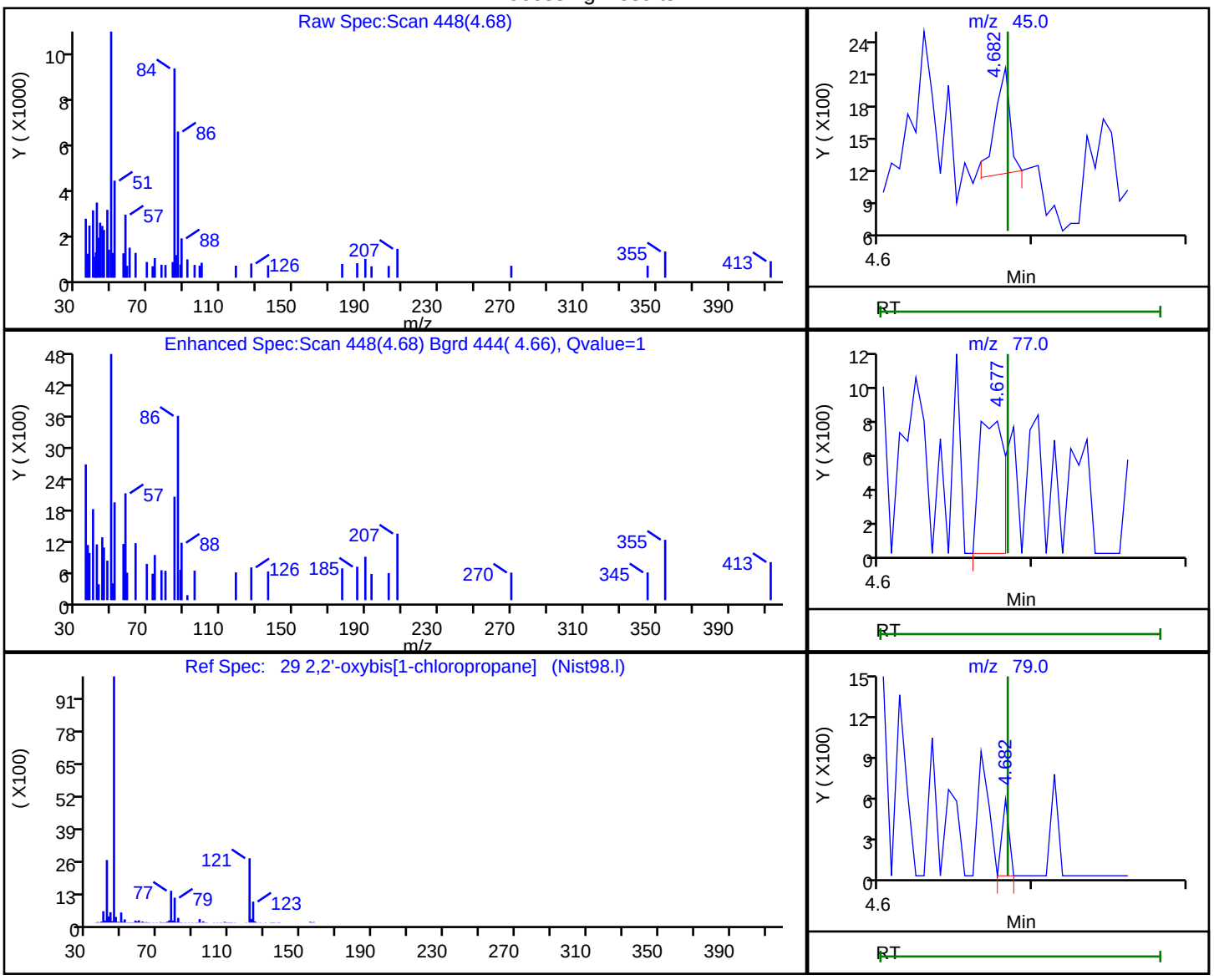
User Disabled Compound Report

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A22.D				
Injection Date:	18-Mar-2022 17:37:30	Instrument ID:	TAC051		
Lims ID:	580-110975-A-9-A	Lab Sample ID:	580-110975-9		
Client ID:	ERH2655 (RHMW04)				
Operator ID:	TL	ALS Bottle#:	21	Worklist Smp#:	21
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.68	45.00	637	1.861021
4.68	77.00	921	
4.68	79.00	180	

Reviewer: boylea, 18-Mar-2022 20:35:53

Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-379142/13	0124A19_.D
Level 2	STD2 580-379142/12	0124A18_.D
Level 3	STD3 580-379142/11	0124A17_.D
Level 4	STD4 580-379142/10	0124A16_.D
Level 5	STD5 580-379142/9	0124A15_.D
Level 6	STD6 580-379142/8	0124A14_.D
Level 7	STD7IS 580-379142/7	0124A13_.D
Level 8	STD8 580-379142/6	0124A12_.D
Level 9	STD9 580-379142/5	0124A11_.D
Level 10	STD10 580-379142/4	0124A10_.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
N-Nitrosodimethylamine	+++++ 0.4021	+++++ 0.4199	0.3263 0.4021	0.2919 0.4644	0.2698 0.4023	Lin1	-10.20	0.4218			0.0100	15.4			0.9950		0.9900
Pyridine	+++++ 0.7280	+++++ 0.7237	0.3187 0.7195	0.5682 0.7886	0.6566 0.6805	Lin2	-41.13	0.7477			0.0100	4.9			0.9970		0.9900
Phenol	0.8502 1.0690	0.8939 1.1325	0.9125 1.0755	0.9258 1.1770	1.0495 0.9577	Ave		1.0044			0.8000	11.0		15.0			
Aniline	0.4853 1.2273	1.0767 1.2686	1.1385 1.2181	1.0889 1.2781	1.1950 +++++	Lin1	-7.320	1.2620			0.0100	6.6			0.9990		0.9900
Bis(2-chloroethyl)ether	+++++ 0.8489	0.9511 0.8954	0.8804 0.8278	0.8693 0.8818	0.8899 0.7291	Ave		0.8637			0.7000	7.0		15.0			
2-Chlorophenol	1.1189 1.2519	1.2018 1.2978	1.0803 1.2325	1.2241 1.3664	1.2388 1.0923	Ave		1.2105			0.8000	7.5		15.0			
n-Decane	0.9999 0.7614	0.8665 0.7813	0.6784 0.7376	0.8122 0.7896	0.8255 0.6457	Ave		0.7898			0.0100	12.6		15.0			
1,3-Dichlorobenzene	1.6299 1.5215	1.1199 1.5484	1.5195 1.3863	1.5085 1.5131	1.4736 1.1937	Ave		1.4415			0.0100	11.3		15.0			
1,4-Dichlorobenzene	1.9773 1.5480	1.7303 1.5363	1.4880 1.4315	1.5591 1.5463	1.6024 1.2279	Ave		1.5647			0.0100	12.4		15.0			
Benzyl alcohol	+++++ 0.6023	0.4235 0.6455	0.4995 0.6454	0.4831 0.7134	0.5333 0.6074	Lin2	-4.553	0.6175			0.0100	9.7			0.9900		0.9900
1,2-Dichlorobenzene	1.6506 1.4421	1.5911 1.4727	1.6448 1.3795	1.3594 1.4796	1.4685 1.1646	Ave		1.4653			0.0100	10.0		15.0			
o-Cresol	0.7141 0.8521	0.7512 0.9222	0.8155 0.8955	0.7787 0.9823	0.8537 0.8284	Ave		0.8394			0.7000	9.6		15.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
bis (2-chloroisopropyl) ether	+++++ 1.0161	0.9905 0.9872	0.9522 0.9268	1.0211 1.0177	1.0025 0.8191	Ave		0.9704			0.0100	6.7		15.0			
Acetophenone	1.4838 1.2782	0.9186 1.3403	1.2772 1.3141	1.1956 1.4416	1.2693 1.1434	Ave		1.2662			0.0100	12.5		15.0			
N-Nitrosodi-n-propylamine	0.4265 0.5418	0.4403 0.5024	0.5686 0.4977	0.5010 0.5655	0.4736 0.4662	Ave		0.4984		*	0.5000	9.8		15.0			
m+p-Cresol	+++++ 0.9187	0.6470 0.9131	0.7211 0.9022	0.7441 0.9856	0.7990 0.8078	Lin2	-5.435	0.8801			0.6000	8.0			0.9930		0.9900
Hexachloroethane	+++++ 0.5877	0.5559 0.5716	0.6348 0.5371	0.5913 0.5984	0.5431 0.4871	Ave		0.5675			0.3000	7.5		15.0			
Nitrobenzene	+++++ 0.8433	0.4611 0.8836	0.7479 0.8438	0.8081 0.9178	0.7783 0.7513	Lin2	-7.511	0.8558			0.2000	6.3			0.9960		0.9900
Isophorone	1.5326 1.5102	1.3193 1.5757	1.5700 1.4961	1.3962 1.6326	1.3582 1.3266	Ave		1.4717			0.4000	7.7		15.0			
2-Nitrophenol	+++++ 0.1775	0.1227 0.1887	0.1312 0.1715	0.1327 0.1842	0.1679 0.1739	Lin2	-1.253	0.1735			0.1000	8.9			0.9910		0.9900
2,4-Dimethylphenol	0.6058 1.0309	0.6125 1.0736	0.8433 1.0380	0.8254 1.1278	1.0418 0.9182	Lin1	-4.688	1.0002			0.2000	10.4			0.9910		0.9900
Bis(2-chloroethoxy)methane	0.9978 0.9571	0.7685 1.0017	0.8646 0.9323	0.9213 1.0213	0.9386 0.8298	Ave		0.9233			0.3000	8.8		15.0			
Benzoic acid	+++++ 0.1309	+++++ 0.1871	+++++ 0.2023	+++++ 0.2170	0.0536 0.2201	Lin1	-74.91	0.2234			0.0100	5.6			1.0000		0.9900
2,4-Dichlorophenol	+++++ 0.2549	0.0719 0.2787	0.1855 0.2544	0.1995 0.2844	0.2340 0.2626	Lin1	-4.475	0.2693			0.2000	6.6			0.9980		0.9900
1,2,4-Trichlorobenzene	0.3109 0.3119	0.3372 0.3098	0.3380 0.2708	0.3041 0.2881	0.3186 0.2686	Ave		0.3058			0.0100	7.9		15.0			
Naphthalene	1.1572 1.0255	1.1768 1.0066	1.0767 0.8874	1.0266 0.8749	1.0103 0.6648	Qua2	1.6462	1.0279	-0.000036		0.7000	1.0					0.9900
4-Chloroaniline	+++++ 0.3295	+++++ 0.3558	0.2072 0.3284	0.2684 0.3749	0.3058 0.3540	Lin1	-8.907	0.3587			0.0100	5.0			0.9990		0.9900
2,6-Dichlorophenol	0.1866 0.5261	0.4514 0.5259	0.5953 0.5064	0.4935 0.5116	0.4592 0.4887	Qua1	-2.314	0.5248	-0.000003		0.0100	1.0					0.9900
Hexachlorobutadiene	0.2320 0.1794	0.2115 0.1821	0.1893 0.1569	0.1620 0.1690	0.1739 0.1588	Ave		0.1815			0.0100	13.3		15.0			
4-Chloro-3-methylphenol	+++++ 0.3602	+++++ 0.3925	0.1272 0.4099	0.2280 0.4263	0.2731 0.4262	Lin2	-15.16	0.4039			0.2000	7.8			0.9930		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
2-Methylnaphthalene	0.6965 0.6601	0.7565 0.6800	0.7161 0.5961	0.6220 0.6103	0.6414 0.5357	Ave		0.6515			0.4000	9.9		15.0			
1-Methylnaphthalene	0.6077 0.6372	0.6905 0.6552	0.6970 0.5591	0.6175 0.5917	0.6128 0.5190	Ave		0.6188			0.0100	8.9		15.0			
Hexachlorocyclopentadiene	+++++ 0.3720	+++++ 0.3584	0.3113 0.3596	0.3541 0.3709	0.3362 0.3599	Ave		0.3528			0.0500	5.7		15.0			
1,2,4,5-Tetrachlorobenzene	+++++ 0.5533	0.7329 0.5308	0.6658 0.5040	0.5791 0.5048	0.5333 0.4752	Qua	4.0824	0.5270	-0.000005			1.0					0.9900
2,4,6-Trichlorophenol	+++++ 0.3149	+++++ 0.3241	0.1541 0.3326	0.1875 0.3617	0.2426 0.3340	Lin2	-10.30	0.3314			0.2000	8.7			0.9910		0.9900
2,4,5-Trichlorophenol	+++++ 0.3311	+++++ 0.3739	0.1016 0.3712	0.1960 0.3874	0.2694 0.3795	Lin1	-16.95	0.3835			0.2000	7.5			1.0000		0.9900
1,1'-Biphenyl	1.6576 1.4698	1.4706 1.4742	1.6375 1.3901	1.4975 1.3128	1.4676 1.1297	Ave		1.4507			0.0100	10.5		15.0			
2-Chloronaphthalene	1.0462 1.1482	1.2384 1.1499	1.3854 1.0897	1.2120 1.0548	1.1149 0.9547	Ave		1.1394			0.8000	10.5		15.0			
2-Nitroaniline	+++++ 0.2791	+++++ 0.3277	+++++ 0.3483	0.1531 0.3878	0.1970 0.3770	Qua2	-20.00	0.3327	0.0000062		0.0100	1.0					0.9900
Dimethyl phthalate	+++++ 1.2730	+++++ 1.3105	0.9961 1.2186	1.1727 1.2040	1.2253 1.1300	Lin1	4.0668	1.1715			0.0100	11.0			0.9980		0.9900
1,3-Dinitrobenzene	+++++ 0.1431	+++++ 0.1705	+++++ 0.1930	+++++ 0.2109	0.0833 0.2119	Qua2	-23.16	0.1956	0.0000023			1.0					0.9900
2,6-Dinitrotoluene	+++++ 0.2611	+++++ 0.2940	0.1825 0.3005	0.1561 0.3099	0.2228 0.2959	Lin1	-10.03	0.3015			0.2000	13.6			0.9990		0.9900
Acenaphthylene	2.2187 1.7572	1.6063 1.7874	1.8352 1.7081	1.6396 1.5848	1.7128 1.3091	Qua2	3.5959	1.7159	-0.000036		0.9000	1.0					0.9900
3-Nitroaniline	+++++ 0.2237	+++++ 0.2705	+++++ 0.2990	0.0756 0.3082	0.2189 0.3118	Lin2	-22.24	0.3037			0.0100	7.1			0.9940		0.9900
Acenaphthene	1.2898 1.1754	1.3478 1.1762	1.1649 1.1215	1.1830 1.0835	1.1757 0.9847	Ave		1.1702			0.9000	8.6		15.0			
2,4-Dinitrophenol	+++++ 0.0866	+++++ 0.1372	+++++ 0.1604	+++++ 0.1840	0.0286 0.1901	Lin1	-81.71	0.1910			0.0100	13.2			0.9980		0.9900
4-Nitrophenol	+++++ 0.0679	+++++ 0.0951	+++++ 0.1558	+++++ 0.1763	+++++ 0.1913	Lin1	-153.6	0.1956			0.0100	10.5			0.9980		0.9900
2,4-Dinitrotoluene	+++++ 0.3385	+++++ 0.3956	+++++ 0.3900	0.1723 0.3953	0.2550 0.3928	Lin2	-23.80	0.3981			0.2000	4.1			0.9980		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Dibenzofuran	+++++ 1.6353	1.1971 1.6446	1.5694 1.5831	1.5563 1.4419	1.5438 1.2191	Ave		1.4878			0.8000	11.4		15.0			
2,3,5,6-Tetrachlorophenol	+++++ 0.2278	+++++ 0.2674	0.0706 0.2742	0.1244 0.2781	0.1898 0.2762	Lin2	-10.92	0.2666			0.0100	8.4			0.9920		0.9900
2,3,4,6-Tetrachlorophenol	+++++ 0.3031	+++++ 0.3025	0.1474 0.3026	0.2356 0.3066	0.2465 0.3057	Lin2	-8.009	0.3076			0.0100	3.4			0.9990		0.9900
Diethyl phthalate	+++++ 1.3352	1.1535 1.3716	1.4807 1.2856	1.3906 1.2405	1.2637 1.1448	Ave		1.2963			0.0100	8.5		15.0			
Fluorene	+++++ 1.3066	0.9532 1.3135	1.0586 1.2445	1.2180 1.1817	1.3070 1.0729	Ave		1.1840			0.9000	10.9		15.0			
4-Chlorophenyl phenyl ether	+++++ 0.5801	0.4484 0.5808	0.5748 0.5591	0.5497 0.5381	0.5567 0.5173	Ave		0.5450			0.4000	7.6		15.0			
4-Nitroaniline	+++++ 0.2818	+++++ 0.2452	+++++ 0.2540	0.0475 0.2846	0.2485 0.2860	Lin1	-18.55	0.2852			0.0100	14.0			0.9980		0.9900
4,6-Dinitro-2-methylphenol	+++++ 0.0856	+++++ 0.1223	+++++ 0.1211	0.0452 0.1389	0.0552 0.1271	Lin1	-23.94	0.1315			0.0100	15.2			0.9960		0.9900
N-Nitrosodiphenylamine	+++++ 0.5733	0.3897 0.6350	0.4605 0.5677	0.5029 0.5878	0.5724 0.4884	Ave		0.5309			0.0100	14.4		15.0			
Azobenzene	0.3311 0.5308	0.4603 0.6175	0.5245 0.5375	0.5493 0.5559	0.5532 0.4771	Lin2	-2.114	0.5537			0.0100	6.9			0.9950		0.9900
4-Bromophenyl phenyl ether	+++++ 0.2016	0.1072 0.2302	0.1827 0.2110	0.2414 0.2207	0.1908 0.1949	Qua2	-2.266	0.2261	-0.000003		0.1000	1.0					0.9900
Hexachlorobenzene	+++++ 0.2325	+++++ 0.2639	0.2856 0.2387	0.2921 0.2481	0.2854 0.2212	Ave		0.2584			0.1000	10.5		15.0			
Atrazine	+++++ 0.3332	+++++ 0.3517	0.2147 0.3444	0.2813 0.3412	0.3179 0.3078	Lin2	-6.142	0.3413			0.0100	4.6			0.9980		0.9900
Pentachlorophenol	+++++ 0.1240	+++++ 0.1486	+++++ 0.1470	0.0535 0.1627	0.0760 0.1497	Lin2	-22.09	0.1527			0.0500	8.4			0.9920		0.9900
n-Octadecane	0.2025 0.2929	0.3552 0.3371	0.3230 0.2915	0.3238 0.3093	0.3165 0.2773	Qua1	-0.526	0.3207	-0.000004		0.0100	1.0					0.9900
Phenanthrene	1.4429 1.0942	1.1477 1.1950	1.2665 1.0440	1.2138 1.0114	1.1416 0.7745	Qua2	2.3559	1.1584	-0.000037		0.7000	1.0					0.9900
Anthracene	0.3859 1.0560	0.7248 1.2073	1.1308 1.0709	1.1229 1.0324	1.1312 0.7512	Qua1	-9.141	1.2207	-0.000046		0.7000	1.0					0.9900
Carbazole	+++++ 0.9110	0.5872 0.9741	0.9854 0.8181	0.8384 0.8072	0.8893 0.6854	Qua1	-3.963	0.9215	-0.000024		0.0100	1.0					0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Di-n-butyl phthalate	+++++ 1.2449	1.7958 1.4463	1.7891 1.2964	1.3810 1.2402	1.3111 0.8460	Qua1	2.8476	1.4723	-0.000061		0.0100	1.0					0.9900
Fluoranthene	1.4362 1.0950	1.1765 1.2432	1.1646 1.1013	1.1777 1.0432	1.2040 0.7506	Qua1	-0.756	1.2453	-0.000049		0.6000	1.0					0.9900
Benzidine	+++++ 0.2224	+++++ 0.3124	0.0580 0.2297	0.2286 0.2909	0.2134 0.3050	Lin1	-25.70	0.2949			0.0100	14.7			0.9930		0.9900
Pyrene	1.8923 1.1524	1.1626 1.2685	1.2720 1.1353	1.2749 1.0806	1.2033 0.7940	Qua1	2.0270	1.2744	-0.000047		0.6000	1.0					0.9900
Butyl benzyl phthalate	+++++ 0.7074	0.6402 0.7461	0.6583 0.6587	0.5508 0.7209	0.6151 0.6210	Qua1	-5.833	0.7380	-0.000011		0.0100	1.0					0.9900
3,3'-Dichlorobenzidine	+++++ 0.4415	0.1194 0.4230	0.3572 0.3781	0.3175 0.3935	0.3534 0.3671	Qua1	-10.97	0.4138	-0.000002		0.0100	1.0					0.9900
Benzo[a]anthracene	+++++ 1.3454	1.0860 1.3435	0.9620 1.1272	1.1379 1.1619	1.0832 0.9767	Qua1	-9.122	1.2908	-0.000031		0.8000	1.0					0.9900
Chrysene	+++++ 1.4085	2.1037 1.3443	1.7029 1.1495	1.5993 1.1553	1.3007 0.9185	Qua2	15.767	1.3447	-0.000043		0.7000	1.0					0.9900
Bis(2-ethylhexyl) phthalate	+++++ 1.0125	0.9557 1.0425	0.9224 0.9330	0.8006 0.9690	0.8314 +++++	Qua2	0.3768	0.9115	0.0000159		0.0100	1.0					0.9900
Di-n-octyl phthalate	+++++ 1.3476	+++++ 1.5710	1.2508 1.5543	1.0630 1.4896	1.0989 1.2166	Ave		1.3240			0.0100	15.0		15.0			
Benzo[b]fluoranthene	+++++ 1.1132	1.0106 1.2357	0.9565 1.1496	1.1263 1.1143	1.0981 0.9578	Lin2	-2.576	1.1101			0.7000	7.9			0.9930		0.9900
Benzofluoranthene	1.4117 1.2271	1.3544 1.3041	1.2710 1.2066	1.2213 1.1043	1.2559 0.9321	Ave		1.2289				10.9		15.0			
Benzo[k]fluoranthene	1.6294 1.4203	1.3669 1.4171	1.4666 1.3150	1.2271 1.1448	1.4668 0.9705	Ave		1.3425			0.7000	14.0		15.0			
Benzo[a]pyrene	0.4915 1.0122	0.8185 1.1316	1.0317 1.0445	0.9563 1.0012	0.9591 0.8594	Lin2	-4.930	1.0237			0.7000	8.3			0.9930		0.9900
Indeno[1,2,3-cd]pyrene	+++++ 0.9239	0.5624 1.0827	0.9672 1.0624	0.7695 1.0604	0.9093 0.9954	Lin1	-9.998	1.0246			0.5000	9.4			0.9980		0.9900
Dibenz(a,h)anthracene	+++++ 1.0899	+++++ 1.1360	0.8269 1.1592	0.8820 1.1306	1.0416 0.9974	Lin2	-15.46	1.1079			0.4000	5.7			0.9960		0.9900
Benzo[g,h,i]perylene	0.9553 1.1457	1.2456 1.3291	1.1148 1.2484	1.1760 1.1703	1.1319 1.0220	Qua1	-4.893	1.2977	-0.000027		0.5000	1.0					0.9900
2-Fluorophenol (Surr)	+++++ 0.9168	0.6925 0.9967	0.9127 0.9284	0.8913 1.0360	0.8116 0.8174	Lin2	-4.427	0.9330				8.5			0.9920		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Phenol-d5 (Surr)	+++++ 1.0919	+++++ 1.1010	0.9320 1.0574	0.9700 1.1667	1.0263 0.9459	Lin1	1.5964	1.0287				9.5			0.9910		0.9900
Nitrobenzene-d5 (Surr)	0.1933 0.2413	0.2884 0.2545	0.2529 0.2242	0.2138 0.2411	0.2435 0.2271	Ave		0.2380				10.8		15.0			
2-Fluorobiphenyl	1.5431 1.3602	1.2244 1.3552	1.5121 1.2938	1.3684 1.2283	1.3307 1.0806	Ave		1.3297				10.2		15.0			
2,4,6-Tribromophenol (Surr)	+++++ 0.1291	+++++ 0.1468	0.0508 0.1355	0.0486 0.1512	0.1166 0.1342	Lin1	-5.515	0.1408			0.0100	13.3			0.9960		0.9900
Terphenyl-d14	+++++ 0.7389	+++++ 0.8074	0.8533 0.7410	0.7543 0.7302	0.7589 0.6079	Ave		0.7490				9.4		15.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle | Job No.: 580-110975-1 | Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 | GC Column: ZB-SV | ID: 0.25(mm) | Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 | Calibration End Date: 01/24/2022 20:31 | Calibration ID: 31978

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-379142/13	0124A19_.D
Level 2	STD2 580-379142/12	0124A18_.D
Level 3	STD3 580-379142/11	0124A17_.D
Level 4	STD4 580-379142/10	0124A16_.D
Level 5	STD5 580-379142/9	0124A15_.D
Level 6	STD6 580-379142/8	0124A14_.D
Level 7	STD7IS 580-379142/7	0124A13_.D
Level 8	STD8 580-379142/6	0124A12_.D
Level 9	STD9 580-379142/5	0124A11_.D
Level 10	STD10 580-379142/4	0124A10_.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
N-Nitrosodimethylamine	DCBd 4	Lin1	+++++	+++++	5516	10054	17806	+++++	+++++	50.0	100	200
			64929	137585	269153	744037	1438003	500	1000	2000	5000	10000
Pyridine	DCBd 4	Lin2	+++++	+++++	10778	39140	86665	+++++	+++++	100	200	400
			235103	474344	963115	2527274	4865097	1000	2000	4000	10000	20000
Phenol	DCBd 4	Ave	2386	5644	15427	31889	69263	10.0	20.0	50.0	100	200
			172626	371134	719856	1885852	3423690	500	1000	2000	5000	10000
Aniline	DCBd 4	Lin1	1362	6798	19248	37504	78860	10.0	20.0	50.0	100	200
			198182	415718	815352	2047944	+++++	500	1000	2000	5000	+++++
Bis(2-chloroethyl)ether	DCBd 4	Ave	+++++	6005	14885	29940	58726	+++++	20.0	50.0	100	200
			137086	293417	554075	1412935	2606332	500	1000	2000	5000	10000
2-Chlorophenol	DCBd 4	Ave	3140	7588	18264	42162	81754	10.0	20.0	50.0	100	200
			202159	425276	824994	2189408	3904697	500	1000	2000	5000	10000
n-Decane	DCBd 4	Ave	2806	5471	11469	27974	54478	10.0	20.0	50.0	100	200
			122949	256033	493704	1265178	2308292	500	1000	2000	5000	10000
1,3-Dichlorobenzene	DCBd 4	Ave	4574	7071	25691	51957	97247	10.0	20.0	50.0	100	200
			245696	507414	927931	2424476	4267220	500	1000	2000	5000	10000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
1,4-Dichlorobenzene	DCBd 4	Ave	5549 249973	10925 503454	25157 958150	53699 2477692	105751 4389329	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Benzyl alcohol	DCBd 4	Lin2	+++++ 97253	2674 211530	8445 432001	16639 1143127	35194 2171335	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
1,2-Dichlorobenzene	DCBd 4	Ave	4632 232869	10046 482591	27809 923363	46821 2370683	96909 4163295	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
o-Cresol	DCBd 4	Ave	2004 137592	4743 302200	13788 599419	26820 1573928	56341 2961293	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
bis (2-chloroisopropyl) ether	DCBd 4	Ave	+++++ 164087	6254 323494	16099 620330	35169 1630687	66159 2928233	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Acetophenone	DCBd 4	Ave	4164 206406	5800 439228	21594 879561	41180 2309817	83766 4087296	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
N-Nitrosodi-n-propylamine	DCBd 4	Ave	1197 87483	2780 164634	9614 333139	17256 906094	31256 1666435	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
m+p-Cresol	DCBd 4	Lin2	+++++ 148354	4085 299221	12191 603891	25629 1579216	52732 2887901	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Hexachloroethane	DCBd 4	Ave	+++++ 94896	3510 187308	10733 359498	20367 958843	35842 1741400	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Nitrobenzene	DCBd 4	Lin2	+++++ 136174	2911 289563	12645 564801	27835 1470537	51366 2685612	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Isophorone	DCBd 4	Ave	4301 243865	8330 516354	26544 1001416	48088 2615844	89634 4742321	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
2-Nitrophenol	NPT	Lin2	+++++ 104101	2689 223185	7885 445738	16835 1162420	40815 2128274	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2,4-Dimethylphenol	DCBd 4	Lin1	1700 166463	3867 351805	14257 694752	28429 1807128	68752 3282248	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Bis(2-chloroethoxy)methane	DCBd 4	Ave	2800 154553	4852 328271	14617 624017	31732 1636469	61943 2966362	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Benzoic acid	NPT	Lin1	+++++ 153546	+++++ 442673	+++++ 1051632	+++++ 2738724	26059 5387119	+++++ 1000	+++++ 2000	+++++ 4000	+++++ 10000	400 20000
2,4-Dichlorophenol	NPT	Lin1	+++++ 149458	1576 329716	11144 661249	25309 1794662	56883 3214581	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
1,2,4-Trichlorobenzene	NPT	Ave	3183 182921	7388 366508	20307 703731	38590 1818176	77442 3287546	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Naphthalene	NPT	Qua2	11849 601332	25785 1190797	64682 2306526	130261 5521644	245615 8136693	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
4-Chloroaniline	NPT	Lin1	+++++ 193225	+++++ 420896	12448 853626	34056 2365912	74339 4333252	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
2,6-Dichlorophenol	ANT	Qua1	776 166011	4566 343493	16145 668074	28442 1778591	55696 3203473	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Hexachlorobutadiene	NPT	Ave	2375 105181	4635 215414	11375 407934	20550 1066820	42285 1944071	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
4-Chloro-3-methylphenol	ANT	Lin2	+++++ 113656	+++++ 256346	3449 540762	13141 1482131	33119 2793657	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
2-Methylnaphthalene	NPT	Ave	7132 387051	16577 804387	43019 1549313	78916 3851996	155926 6557017	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
1-Methylnaphthalene	NPT	Ave	6222 373656	15130 775117	41871 1453189	78343 3734140	148970 6352715	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Hexachlorocyclopentadiene	ANT	Ave	+++++ 117382	+++++ 234068	8444 474427	20411 1289587	40776 2359324	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
1,2,4,5-Tetrachlorobenzene	ANT	Qua	+++++ 174594	7413 346660	18058 664954	33379 1755031	64685 3115144	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
2,4,6-Trichlorophenol	ANT	Lin2	+++++ 99357	+++++ 211695	4179 438775	10805 1257370	29422 2189506	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
2,4,5-Trichlorophenol	ANT	Lin1	+++++ 104475	+++++ 244235	2757 489699	11295 1346813	32672 2487962	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
1,1'-Biphenyl	ANT	Ave	6895 463771	14875 962852	44414 1833985	86306 4564025	177997 7405757	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
2-Chloronaphthalene	ANT	Ave	4352 362290	12526 751023	37577 1437621	69851 3667033	135219 6258163	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
2-Nitroaniline	ANT	Qua2	+++++ 88071	+++++ 214029	+++++ 459472	8826 1348336	23895 2471645	+++++ 500	+++++ 1000	+++++ 2000	100 5000	200 10000
Dimethyl phthalate	ANT	Lin1	+++++ 401664	+++++ 855918	27018 1607770	67587 4185506	148612 7407496	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
1,3-Dinitrobenzene	ANT	Qua2	+++++ 45162	+++++ 111350	+++++ 254656	+++++ 733033	10104 1389291	+++++ 500	+++++ 1000	+++++ 2000	+++++ 5000	200 10000
2,6-Dinitrotoluene	ANT	Lin1	+++++ 82381	+++++ 192043	4949 396420	8999 1077271	27022 1939446	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Acenaphthylene	ANT	Qua2	9229 554434	16248 1167400	49775 2253492	94501 5509536	207743 8581502	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
3-Nitroaniline	ANT	Lin2	+++++ 70570	+++++ 176681	+++++ 394436	4360 1071282	26552 2044039	+++++ 500	+++++ 1000	+++++ 2000	100 5000	200 10000
Acenaphthene	ANT	Ave	5365 370859	13633 768188	31595 1479588	68184 3766831	142603 6455324	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
2,4-Dinitrophenol	ANT	Lin1	+++++ 54667	+++++ 179184	+++++ 423163	+++++ 1279146	6927 2491838	+++++ 1000	+++++ 2000	+++++ 4000	+++++ 10000	400 20000
4-Nitrophenol	ANT	Lin1	+++++ 42833	+++++ 124182	+++++ 411039	+++++ 1225638	+++++ 2508541	+++++ 1000	+++++ 2000	+++++ 4000	+++++ 10000	+++++ 20000
2,4-Dinitrotoluene	ANT	Lin2	+++++ 106809	+++++ 258359	+++++ 514538	9930 1374334	30925 2574945	+++++ 500	+++++ 1000	+++++ 2000	100 5000	200 10000
Dibenzofuran	ANT	Ave	+++++ 515973	12109 1074130	42568 2088576	89695 5012656	187239 7991738	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
2,3,5,6-Tetrachlorophenol	ANT	Lin2	+++++ 71880	+++++ 174633	1916 361812	7172 966835	23023 1810251	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
2,3,4,6-Tetrachlorophenol	ANT	Lin2	+++++ 95647	+++++ 197558	3997 399267	13581 1066016	29903 2004159	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Diethyl phthalate	ANT	Ave	+++++ 421303	11668 895822	40160 1696159	80149 4312494	153267 7504819	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Fluorene	ANT	Ave	+++++ 412279	9642 857897	28712 1641956	70202 4108288	158527 7033453	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
4-Chlorophenyl phenyl ether	ANT	Ave	+++++ 183042	4536 379369	15590 737588	31684 1870819	67522 3390756	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
4-Nitroaniline	ANT	Lin1	+++++ 88921	+++++ 160171	+++++ 335166	2738 989483	30141 1875065	+++++ 500	+++++ 1000	+++++ 2000	100 5000	200 10000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
4,6-Dinitro-2-methylphenol	PHN	Lin1	+++++ 85170	+++++ 231561	+++++ 499883	7501 1443908	20055 2720777	+++++ 1000	+++++ 2000	+++++ 4000	200 10000	400 20000
N-Nitrosodiphenylamine	PHN	Ave	+++++ 285250	5128 601233	17392 1171768	41726 3054845	103990 5228628	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Azobenzene	PHN	Lin2	1688 264123	6057 584678	19809 1109354	45578 2889028	100510 5108676	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
4-Bromophenyl phenyl ether	PHN	Qua2	+++++ 100310	1411 217984	6901 435582	20026 1147061	34670 2086983	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Hexachlorobenzene	PHN	Ave	+++++ 115710	+++++ 249823	10787 492581	24235 1289466	51847 2368224	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Atrazine	ANT	Lin2	+++++ 105144	+++++ 229735	5824 454389	16215 1186308	38560 2017804	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Pentachlorophenol	PHN	Lin2	+++++ 123396	+++++ 281395	+++++ 606919	8872 1690585	27618 3206551	+++++ 1000	+++++ 2000	+++++ 4000	200 10000	400 20000
n-Octadecane	PHN	Qua1	1032 145763	4675 319134	12197 601553	26864 1607173	57505 2968506	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Phenanthrene	PHN	Qua2	7355 544462	15103 1131435	47829 2154658	100704 5255844	207412 8291956	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Anthracene	PHN	Qua1	1967 525427	9538 1143048	42705 2210236	93164 5365074	205516 8042352	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Carbazole	PHN	Qua1	+++++ 453282	7728 922250	37213 1688495	69562 4194838	161571 7337942	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Di-n-butyl phthalate	PHN	Qua1	+++++ 619421	23632 1369355	67567 2675585	114575 6444929	238202 9057674	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Fluoranthene	PHN	Qua1	7321 544870	15483 1177032	43982 2272893	97710 5421432	218747 8036302	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Benzidine	PHN	Lin1	+++++ 221350	+++++ 591479	4379 948099	37938 3023406	77542 6530017	+++++ 1000	+++++ 2000	100 4000	200 10000	400 20000
Pyrene	PHN	Qua1	9646 573415	15300 1200976	48040 2343078	105780 5615456	218610 8500762	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Butyl benzyl phthalate	CRY	Qua1	+++++ 254853	6796 577966	21653 1169116	37254 3084606	90103 5609656	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
3,3'-Dichlorobenzidine	CRY	Qua1	+++++ 318110	2536 655354	23496 1342115	42953 3367556	103543 6632333	+++++ 1000	40.0 2000	100 4000	200 10000	400 20000
Benzo[a]anthracene	CRY	Qua1	+++++ 484681	11529 1040691	31640 2000496	76962 4971440	158668 8822607	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6	LVL 2 LVL 7	LVL 3 LVL 8	LVL 4 LVL 9	LVL 5 LVL 10
Chrysene	CRY	Qua2	+++++ 507398	22332 1041324	56009 2040111	108167 4943043	190523 8297113	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Bis(2-ethylhexyl) phthalate	CRY	Qua2	+++++ 364738	10145 807522	30339 1655943	54145 4146254	121780 +++++	+++++ 500	20.0 1000	50.0 2000	100 5000	200 +++++
Di-n-octyl phthalate	PRY	Ave	+++++ 564577	+++++ 1297051	42834 2735228	80402 6987870	166908 12039711	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Benzo[b]fluoranthene	PRY	Lin2	+++++ 466400	11195 1020232	32758 2022914	85190 5227145	166789 9478316	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Benzofluoranthene	PRY	Ave	15165 1028183	30007 2153421	87056 4246638	184747 10361259	381511 18448767	20.0 1000	40.0 2000	100 4000	200 10000	400 20000
Benzo[k]fluoranthene	PRY	Ave	8752 595047	15142 1169985	50225 2314015	92812 5370634	222783 9603989	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Benzo[a]pyrene	PRY	Lin2	2640 424087	9067 934286	35331 1838099	72333 4696887	145669 8504491	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
Indeno[1,2,3-cd]pyrene	PRY	Lin1	+++++ 387093	6230 893927	33123 1869567	58203 4974655	138112 9850086	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Dibenz(a,h)anthracene	PRY	Lin2	+++++ 456625	+++++ 937866	28319 2039921	66707 5303630	158200 9870204	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Benzo[g,h,i]perylene	PRY	Qua1	5131 480002	13798 1097303	38178 2196860	88949 5489900	171922 10113906	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
2-Fluorophenol (Surr)	DCBd 4	Lin2	+++++ 148046	4372 326634	15431 621440	30700 1660042	53560 2922164	+++++ 500	20.0 1000	50.0 2000	100 5000	200 10000
Phenol-d5 (Surr)	DCBd 4	Lin1	+++++ 176312	+++++ 360808	15758 707780	33408 1869344	67732 3381391	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Nitrobenzene-d5 (Surr)	NPT	Ave	1979 141521	6320 301048	15195 582610	27133 1521900	59203 2779943	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
2-Fluorobiphenyl	ANT	Ave	6419 429162	12385 885103	41014 1706929	78870 4270070	161393 7083415	10.0 500	20.0 1000	50.0 2000	100 5000	200 10000
2,4,6-Tribromophenol (Surr)	PHN	Lin1	+++++ 64213	+++++ 139026	1919 279682	4032 785601	21181 1436618	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000
Terphenyl-d14	PHN	Ave	+++++ 367653	+++++ 764445	32224 1529297	62580 3794742	137870 6508266	+++++ 500	+++++ 1000	50.0 2000	100 5000	200 10000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

Curve Type Legend

Ave = Average ISTD
Lin1 = Linear 1/conc ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua = Quadratic ISTD
Qua1 = Quadratic 1/conc ISTD
Qua2 = Quadratic 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-379142/13	0124A19_.D
Level 2	STD2 580-379142/12	0124A18_.D
Level 3	STD3 580-379142/11	0124A17_.D
Level 4	STD4 580-379142/10	0124A16_.D
Level 5	STD5 580-379142/9	0124A15_.D
Level 6	STD6 580-379142/8	0124A14_.D
Level 7	STD7IS 580-379142/7	0124A13_.D
Level 8	STD8 580-379142/6	0124A12_.D
Level 9	STD9 580-379142/5	0124A11_.D
Level 10	STD10 580-379142/4	0124A10_.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
N-Nitrosodimethylamine	+++++	+++++	25.7						30			
Pyridine	+++++	+++++	-2.4						30			
Phenol	-15.3						50					
Aniline	-3.5			+++++			30					
Bis(2-chloroethyl)ether	+++++	10.1						50				
2-Chlorophenol	-7.6						50					
n-Decane	26.6						50					
1,3-Dichlorobenzene	13.1						50					
1,4-Dichlorobenzene	26.4						50					
Benzyl alcohol	+++++	5.4						30				
1,2-Dichlorobenzene	12.6						50					
o-Cresol	-14.9						50					
bis (2-chloroisopropyl) ether	+++++	2.1						50				
Acetophenone	17.2						50					

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
N-Nitrosodi-n-propylamine	-14.4						50					
m+p-Cresol	+++++	4.4						30				
Hexachloroethane	+++++	-2.0						50				
Nitrobenzene	+++++	-2.2						30				
Isophorone	4.1						50					
2-Nitrophenol	+++++	6.8						30				
2,4-Dimethylphenol	7.4						30					
Bis(2-chloroethoxy)methane	8.1						50					
Benzoic acid	+++++	+++++	+++++	+++++	7.8						30	
2,4-Dichlorophenol	+++++	9.8						30				
1,2,4-Trichlorobenzene	1.7						50					
Naphthalene	-3.4						30					
4-Chloroaniline	+++++	+++++	7.4						30			
2,6-Dichlorophenol	-20.3						30					
Hexachlorobutadiene	27.8						50					
4-Chloro-3-methylphenol	+++++	+++++	6.5						30			
2-Methylnaphthalene	6.9						50					
1-Methylnaphthalene	-1.8						50					
Hexachlorocyclopentadiene	+++++	+++++	-11.8						50			
1,2,4,5-Tetrachlorobenzene	+++++	0.4						30				
2,4,6-Trichlorophenol	+++++	+++++	8.7						30			

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
2,4,5-Trichlorophenol	+++++	+++++	14.9						30			
1,1'-Biphenyl	14.3						50					
2-Chloronaphthalene	-8.2						50					
2-Nitroaniline	+++++	+++++	+++++	5.9						30		
Dimethyl phthalate	+++++	+++++	-21.9						30			
1,3-Dinitrobenzene	+++++	+++++	+++++	+++++	1.6						30	
2,6-Dinitrotoluene	+++++	+++++	27.1						30			
Acenaphthylene	8.4						30					
3-Nitroaniline	+++++	+++++	+++++	-1.8						30		
Acenaphthene	10.2						50					
2,4-Dinitrophenol	+++++	+++++	+++++	+++++	21.9						30	
4-Nitrophenol	+++++	+++++	+++++	+++++	+++++	13.2						30
2,4-Dinitrotoluene	+++++	+++++	+++++	3.1						30		
Dibenzofuran	+++++	-19.5						50				
2,3,5,6-Tetrachlorophenol	+++++	+++++	8.5						30			
2,3,4,6-Tetrachlorophenol	+++++	+++++	0.0						30			
Diethyl phthalate	+++++	-11.0						50				
Fluorene	+++++	-19.5						50				
4-Chlorophenyl phenyl ether	+++++	-17.7						50				
4-Nitroaniline	+++++	+++++	+++++	-18.3						30		
4,6-Dinitro-2-methylphenol	+++++	+++++	+++++	25.4						30		

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
N-Nitrosodiphenylamine	+++++	-26.6						50				
Azobenzene	-2.0						30					
4-Bromophenyl phenyl ether	+++++	-2.4						30				
Hexachlorobenzene	+++++	+++++	10.5						50			
Atrazine	+++++	+++++	-1.1						30			
Pentachlorophenol	+++++	+++++	+++++	7.3						30		
n-Octadecane	-20.5						30					
Phenanthrene	4.3						30					
Anthracene	6.5						30					
Carbazole	+++++	-14.7						30				
Di-n-butyl phthalate	+++++	12.4						30				
Fluoranthene	21.5						30					
Benzidine	+++++	+++++	6.8						30			
Pyrene	32.6 *						30					
Butyl benzyl phthalate	+++++	26.3						30				
3,3'-Dichlorobenzidine	+++++	-4.9						30				
Benzo[a]anthracene	+++++	19.5						30				
Chrysene	+++++	-2.1						30				
Bis(2-ethylhexyl) phthalate	+++++	2.7		+++++				30				
Di-n-octyl phthalate	+++++	+++++	-5.5						50			
Benzo[b]fluoranthene	+++++	2.6						30				

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 379142

SDG No.:

Instrument ID: TAC051 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/24/2022 17:04 Calibration End Date: 01/24/2022 20:31 Calibration ID: 31978

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 #	LVL 6 #	LVL 1 LVL 7	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5	LVL 6
Benzofluoranthene	14.9						50					
Benzo[k]fluoranthene	21.4						50					
Benzo[a]pyrene	-3.8						30					
Indeno[1,2,3-cd]pyrene	+++++	3.7						30				
Dibenz(a,h)anthracene	+++++	+++++	2.6						30			
Benzo[g,h,i]perylene	11.3						30					
2-Fluorophenol (Surr)	+++++	-2.1						30				
Phenol-d5 (Surr)	+++++	+++++	-12.5						30			
Nitrobenzene-d5 (Surr)	-18.8						50					
2-Fluorobiphenyl	16.1						50					
2,4,6-Tribromophenol (Surr)	+++++	+++++	14.4						30			
Terphenyl-d14	+++++	+++++	13.9						50			

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D
Lims ID: STD10
Client ID:
Sample Type: IC Calib Level: 10
Inject. Date: 24-Jan-2022 17:04:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 10
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:06:38 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:01:16

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.494	4.489	0.005	55	35748	100.0	100.0	a
* 2 Naphthalene-d8	136	5.504	5.499	0.005	89	122401	100.0	100.0	
* 3 Acenaphthene-d10	164	6.925	6.925	0.000	36	65553	100.0	100.0	
* 4 Phenanthrene-d10	188	8.143	8.138	0.005	93	107067	100.0	100.0	
* 5 Chrysene-d12	240	10.344	10.334	0.010	50	90331	100.0	100.0	
* 6 Perylene-d12	264	11.866	11.862	0.004	84	98959	100.0	100.0	
$ 7 2-Fluorophenol	112	3.484	3.485	-0.001	88	2922164	10000	8766.4	
$ 8 Phenol-d5	99	4.216	4.212	0.004	97	3381391	10000	9193.9	
$ 9 Nitrobenzene-d5	82	4.937	4.928	0.009	87	2779943	10000	9541.7	
$ 10 2-methylnaphthalene-d10	152	6.059	6.055	0.004	0	6214408	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.390	6.386	0.004	96	7083415	10000	8126.5	
$ 12 2,4,6-Tribromophenol	330	7.576	7.572	0.004	90	1436618	10000	9566.1	
$ 13 Fluoranthene-d10 (Surr)	212	9.120	9.116	0.004	0	8740338	NC	NC	e
$ 14 Terphenyl-d14	244	9.462	9.458	0.004	97	6508266	10000	8116.1	
15 1,4-Dioxane	88	2.405	2.353	0.052	33	8948	NC	NC	
16 N-Nitrosodimethylamine	74	2.469	2.475	-0.006	77	1438003	10000	9561.4	
17 Pyridine	79	2.480	2.492	-0.012	86	4865097	20000	18256	
19 Phenol	94	4.227	4.222	0.005	95	3423690	10000	9535.6	
18 Aniline	93	4.243	4.238	0.005	74	3911742	10000	8676.9	a
20 Bis(2-chloroethyl)ether	93	4.302	4.297	0.005	97	2606332	10000	8441.0	
21 2-Chlorophenol	128	4.328	4.324	0.004	57	3904697	10000	9023.5	
22 n-Decane	57	4.376	4.377	-0.001	90	2308292	10000	8175.6	
23 1,3-Dichlorobenzene	146	4.446	4.447	-0.001	97	4267220	10000	8281.2	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	94	4389329	10000	7847.1	
26 Benzyl alcohol	79	4.612	4.607	0.005	92	2171335	10000	9843.5	
27 1,2-Dichlorobenzene	146	4.622	4.623	-0.001	96	4163295	10000	7948.1	
28 2-Methylphenol	108	4.697	4.692	0.005	60	2961293	10000	9869.1	
29 2,2'-oxybis[1-chloropropane]	45	4.718	4.719	-0.001	48	2928233	10000	8441.5	a
30 Acetophenone	105	4.820	4.810	0.010	95	4087296	10000	9029.8	
31 N-Nitrosodi-n-propylamine	70	4.825	4.815	0.010	75	1666435	10000	9353.9	
32 3 & 4 Methylphenol	108	4.831	4.821	0.010	90	2887901	10000	9184.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.884	4.885	-0.001	92	1741400	10000	8584.5	
34 Nitrobenzene	77	4.953	4.944	0.009	82	2685612	10000	8787.3	
35 Isophorone	82	5.146	5.136	0.010	93	4742321	10000	9013.7	
36 2-Nitrophenol	139	5.204	5.200	0.004	84	2128274	10000	10029	
37 2,4-Dimethylphenol	107	5.247	5.243	0.004	93	3282248	10000	9184.4	
39 Benzoic acid	105	5.407	5.301	0.106	89	5387119	20000	20034	a
38 Bis(2-chloroethoxy)methane	93	5.327	5.323	0.004	97	2966362	10000	8987.4	
40 2,4-Dichlorophenol	162	5.397	5.392	0.005	89	3214581	10000	9770.6	
41 1,2,4-Trichlorobenzene	180	5.461	5.456	0.005	92	3287546	10000	8783.3	
42 Naphthalene	128	5.520	5.515	0.005	97	8136693	10000	9948.1	e
43 4-Chloroaniline	127	5.573	5.569	0.004	82	4333252	10000	9894.3	
44 2,6-Dichlorophenol	162	5.578	5.574	0.004	89	3203473	10000	9981.0	
45 Hexachlorobutadiene	225	5.627	5.622	0.005	94	1944071	10000	8750.8	
46 4-Chloro-3-methylphenol	107	5.979	5.969	0.010	89	2793657	10000	10588	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	82	6557017	10000	8223.0	
48 1-Methylnaphthalene	142	6.161	6.156	0.005	89	6352715	10000	8387.9	
49 Hexachlorocyclopentadiene	237	6.209	6.210	-0.001	87	2359324	10000	10201	
50 1,2,4,5-Tetrachlorobenzene	216	6.220	6.215	0.005	94	3115144	10000	9993.7	
52 2,4,6-Trichlorophenol	196	6.316	6.311	0.005	88	2189506	10000	10110	
53 2,4,5-Trichlorophenol	196	6.348	6.343	0.005	95	2487962	10000	9941.6	
54 1,1'-Biphenyl	154	6.465	6.461	0.004	96	7405757	10000	7787.3	e
55 2-Chloronaphthalene	162	6.476	6.471	0.005	97	6258163	10000	8378.7	
56 2-Nitroaniline	138	6.572	6.568	0.004	92	2471645	10000	9646.6	
57 Dimethyl phthalate	163	6.738	6.722	0.016	98	7407496	10000	9641.9	
58 1,3-Dinitrobenzene	168	6.754	6.744	0.010	92	1389291	10000	9819.6	
59 2,6-Dinitrotoluene	165	6.775	6.765	0.010	72	1939446	10000	9846.6	
60 Acenaphthylene	152	6.812	6.808	0.004	92	8581502	10000	9528.3	e
61 3-Nitroaniline	138	6.914	6.904	0.010	89	2044039	10000	10341	
62 Acenaphthene	153	6.957	6.952	0.005	92	6455324	10000	8414.9	
63 2,4-Dinitrophenol	184	6.999	6.990	0.009	78	2491838	20000	20325	a
64 4-Nitrophenol	109	7.069	7.048	0.021	82	2508541	20000	20345	
65 2,4-Dinitrotoluene	165	7.106	7.096	0.010	70	2574945	10000	9926.0	
66 Dibenzofuran	168	7.101	7.096	0.005	85	7991738	10000	8193.9	e
51 2,3,5,6-Tetrachlorophenol	232	7.170	7.166	0.004	89	1810251	10000	10401	
67 2,3,4,6-Tetrachlorophenol	232	7.208	7.198	0.010	72	2004159	10000	9964.9	
68 Diethyl phthalate	149	7.315	7.299	0.016	98	7504819	10000	8832.0	
69 Fluorene	166	7.379	7.374	0.005	81	7033453	10000	9061.8	
70 4-Chlorophenyl phenyl ether	204	7.389	7.385	0.004	92	3390756	10000	9490.7	
71 4-Nitroaniline	138	7.416	7.401	0.015	40	1875065	10000	10094	
72 4,6-Dinitro-2-methylphenol	198	7.438	7.422	0.016	86	2720777	20000	19509	
73 N-Nitrosodiphenylamine	169	7.491	7.481	0.010	62	5228628	10000	9199.3	
74 Azobenzene	77	7.518	7.513	0.005	92	5108676	10000	8622.0	
75 4-Bromophenyl phenyl ether	248	7.785	7.786	-0.001	62	2086983	10000	9834.8	
76 Hexachlorobenzene	284	7.827	7.818	0.009	86	2368224	10000	8558.8	
77 Atrazine	200	7.940	7.930	0.010	92	2017804	10000	9035.7	
78 Pentachlorophenol	266	7.993	7.983	0.010	86	3206551	20000	19753	
79 n-Octadecane	57	8.084	8.085	-0.001	91	2968506	10000	9928.2	
80 Phenanthrene	178	8.164	8.160	0.005	94	8291956	10000	9656.1	e
81 Anthracene	178	8.207	8.197	0.010	93	8042352	10000	9719.0	e
83 Carbazole	167	8.346	8.336	0.010	84	7337942	10000	10005	
84 Di-n-butyl phthalate	149	8.645	8.646	-0.001	98	9057674	10000	9446.7	e
85 Fluoranthene	202	9.136	9.132	0.004	93	8036302	10000	9702.1	e

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.265	9.260	0.005	98	6530017	20000	20771	
89 Pyrene	202	9.318	9.313	0.005	87	8500762	10000	9745.8	e
94 Butyl benzyl phthalate	149	9.874	9.869	0.005	95	5609656	10000	9854.3	
96 3,3'-Dichlorobenzidine	252	10.328	10.318	0.010	74	6632333	20000	19984	
97 Benzo[a]anthracene	228	10.333	10.323	0.010	97	8822607	10000	9939.8	
99 Chrysene	228	10.370	10.360	0.010	91	8297113	10000	10141	
98 Bis(2-ethylhexyl) phthalate	149	10.392	10.393	0.000	92	7497857	10000	7989.0	
100 Di-n-octyl phthalate	149	11.065	11.055	0.010	98	12039711	10000	9189.2	e
101 Benzo[b]fluoranthene	252	11.444	11.424	0.020	95	9478316	10000	8630.3	
102 Benzofluoranthene	252	11.471	11.456	0.015	1	18448767	20000	15171	
103 Benzo[k]fluoranthene	252	11.471	11.456	0.015	90	9603989	10000	7229.3	
104 Benzo[a]pyrene	252	11.813	11.792	0.021	76	8504491	10000	8399.9	
105 Indeno[1,2,3-cd]pyrene	276	13.191	13.165	0.026	97	9850086	10000	9724.7	
106 Dibenz(a,h)anthracene	278	13.228	13.208	0.020	82	9870204	10000	9016.3	
107 Benzo[g,h,i]perylene	276	13.528	13.496	0.032	94	10113906	10000	9960.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated
e - Potential Peak Saturated
Review Flags
a - User Assigned ID

Reagents:

8270_ic_stk_00062	Amount Added: 0.10	Units: mL
8270SIM_IS_00069	Amount Added: 10.00	Units: uL

Report Date: 28-Jan-2022 17:06:39 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D

Injection Date: 24-Jan-2022 17:04:30 Instrument ID: TAC051

Lims ID: STD10

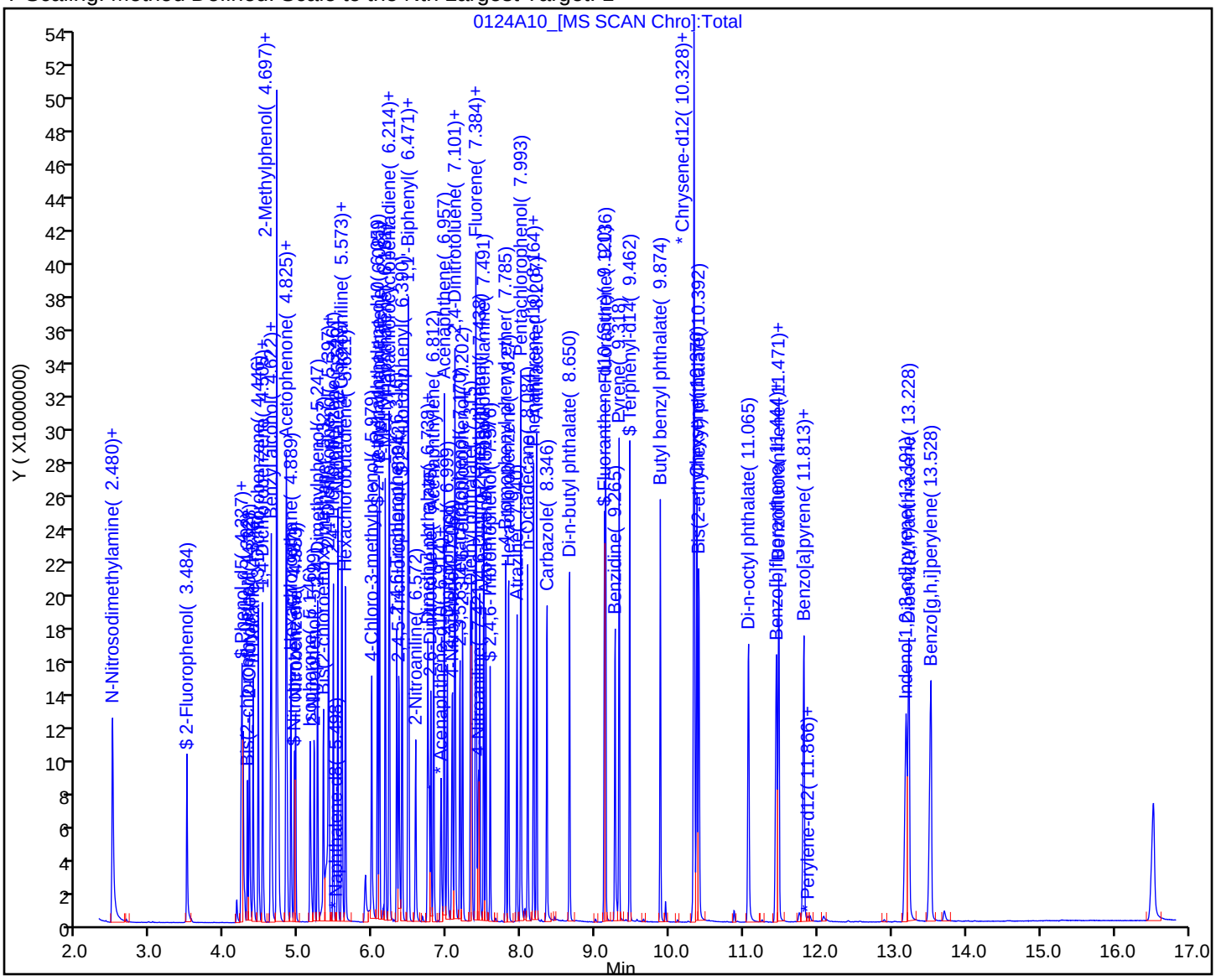
Client ID:

Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

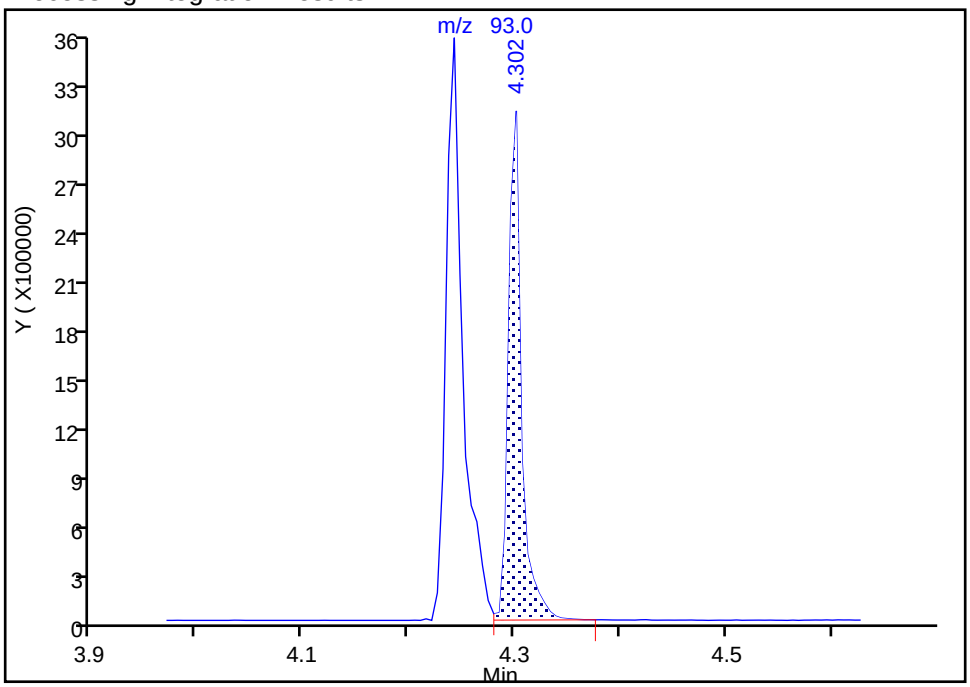
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D
Injection Date: 24-Jan-2022 17:04:30 Instrument ID: TAC051
Lims ID: STD10
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Aniline, CAS: 62-53-3

Signal: 1

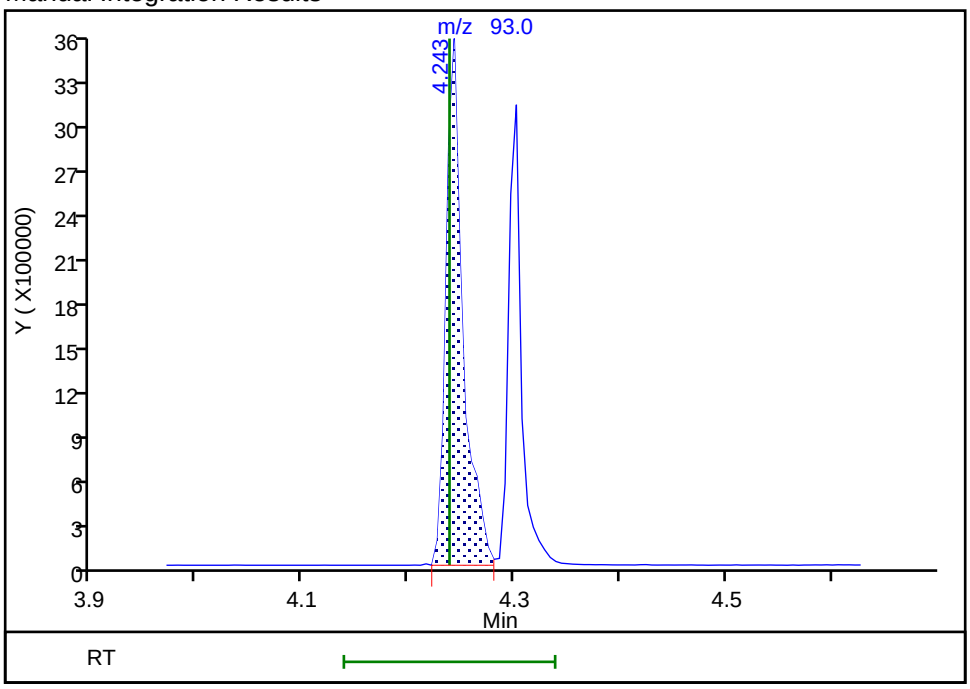
Processing Integration Results

RT: 4.30
Area: 2606332
Amount: 5783.1890
Amount Units: ug/L



Manual Integration Results

RT: 4.24
Area: 3911742
Amount: 8676.8577
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:41:23
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

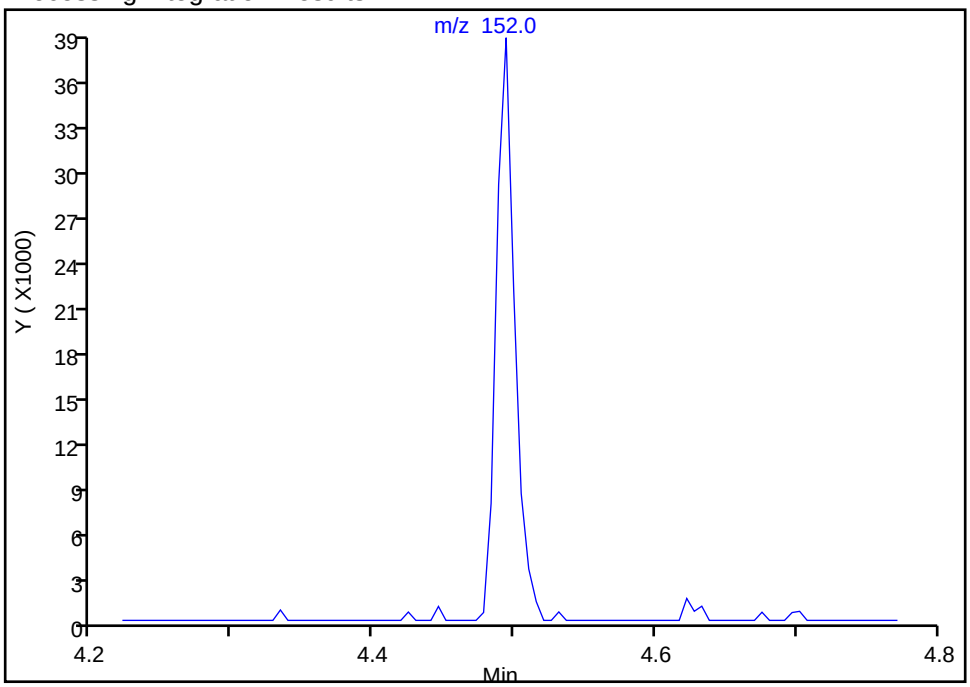
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D
Injection Date: 24-Jan-2022 17:04:30 Instrument ID: TAC051
Lims ID: STD10
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

* 1 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

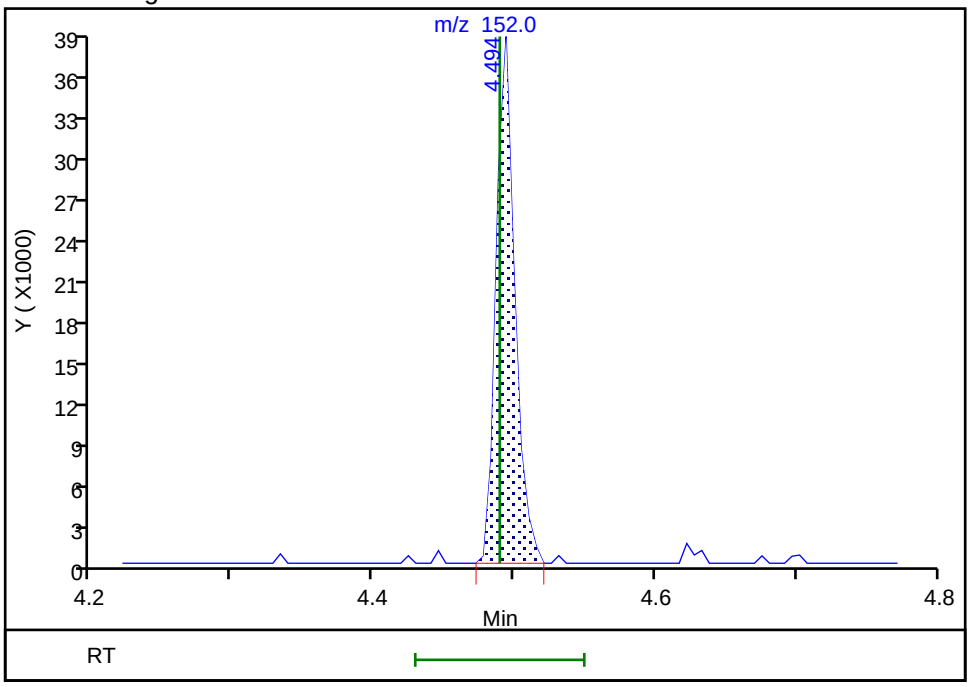
Processing Integration Results

Not Detected
Expected RT: 4.49



Manual Integration Results

RT: 4.49
Area: 35748
Amount: 100.0000
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:41:14
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

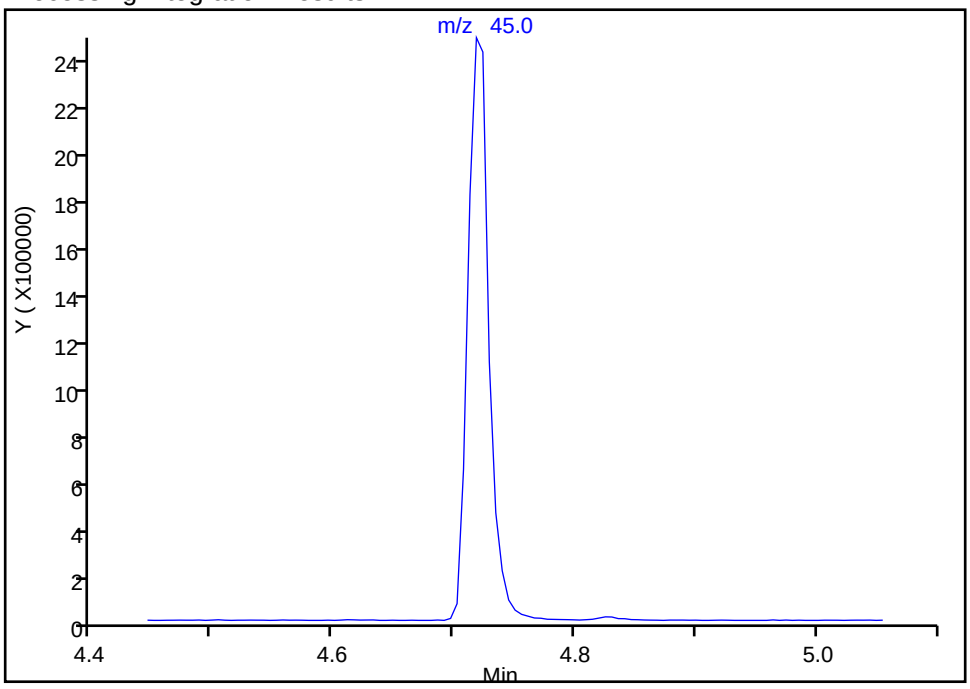
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D
Injection Date: 24-Jan-2022 17:04:30 Instrument ID: TAC051
Lims ID: STD10
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

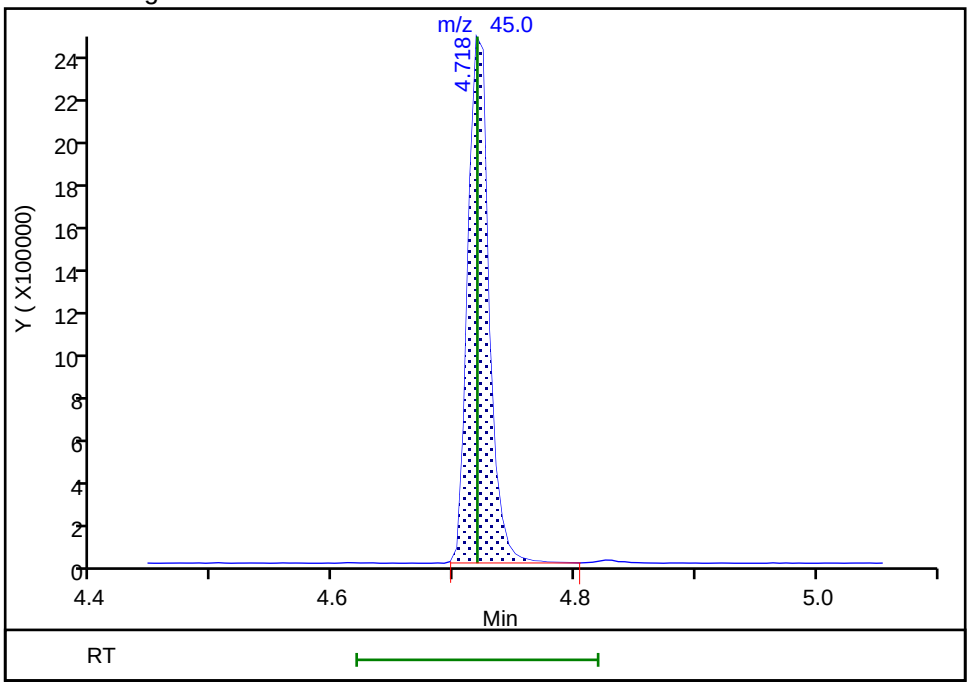
Not Detected
Expected RT: 4.72

Processing Integration Results



Manual Integration Results

RT: 4.72
Area: 2928233
Amount: 8441.5142
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:41:19
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle

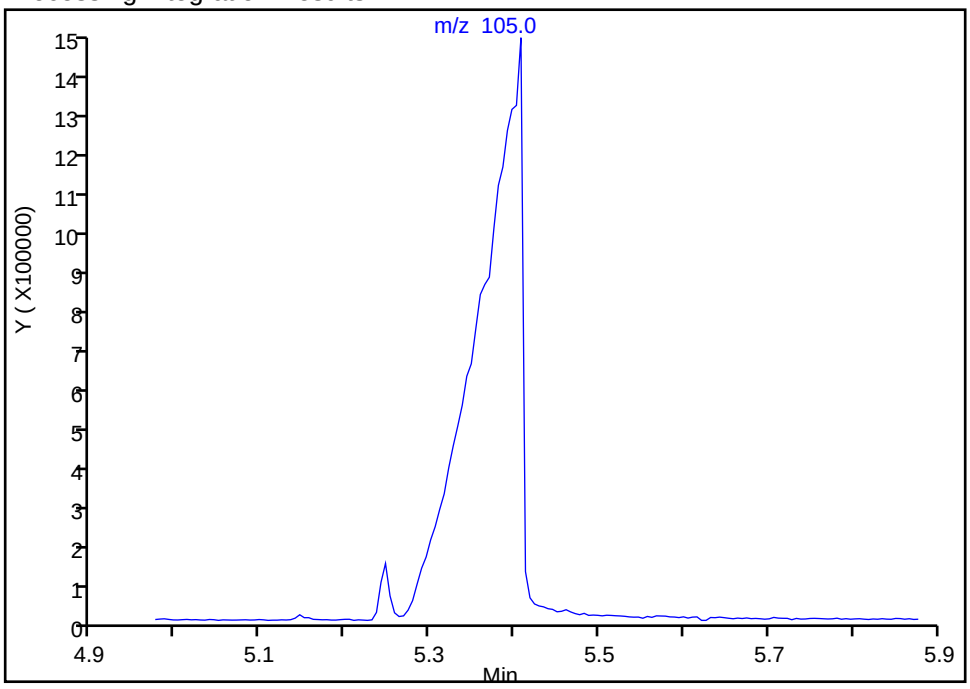
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D
Injection Date: 24-Jan-2022 17:04:30 Instrument ID: TAC051
Lims ID: STD10
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

39 Benzoic acid, CAS: 65-85-0

Signal: 1

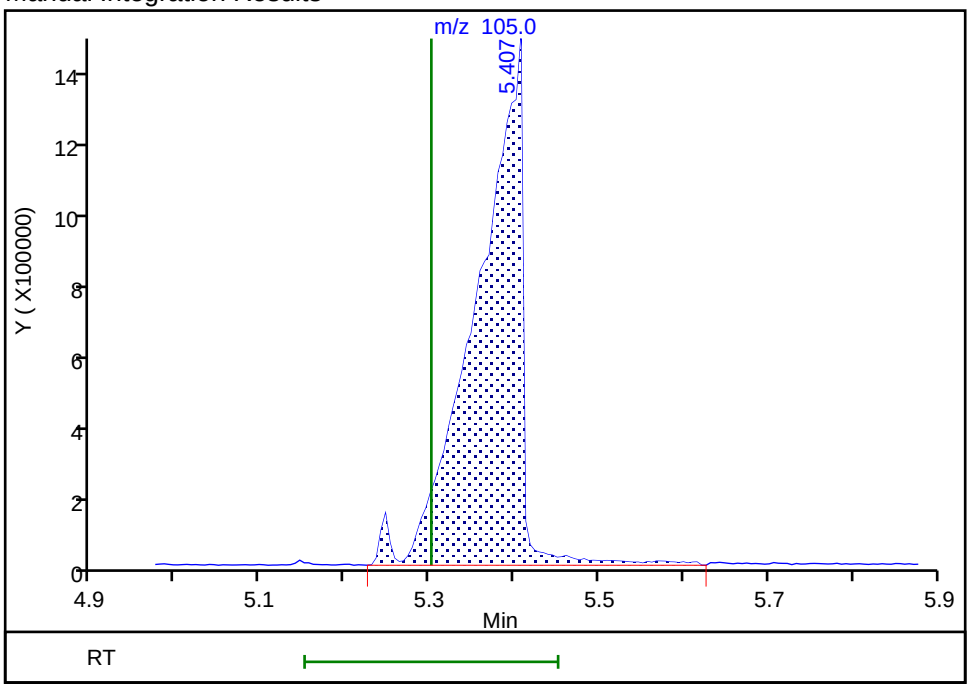
Not Detected
Expected RT: 5.30

Processing Integration Results



Manual Integration Results

RT: 5.41
Area: 5387119
Amount: 20034
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:41:29
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

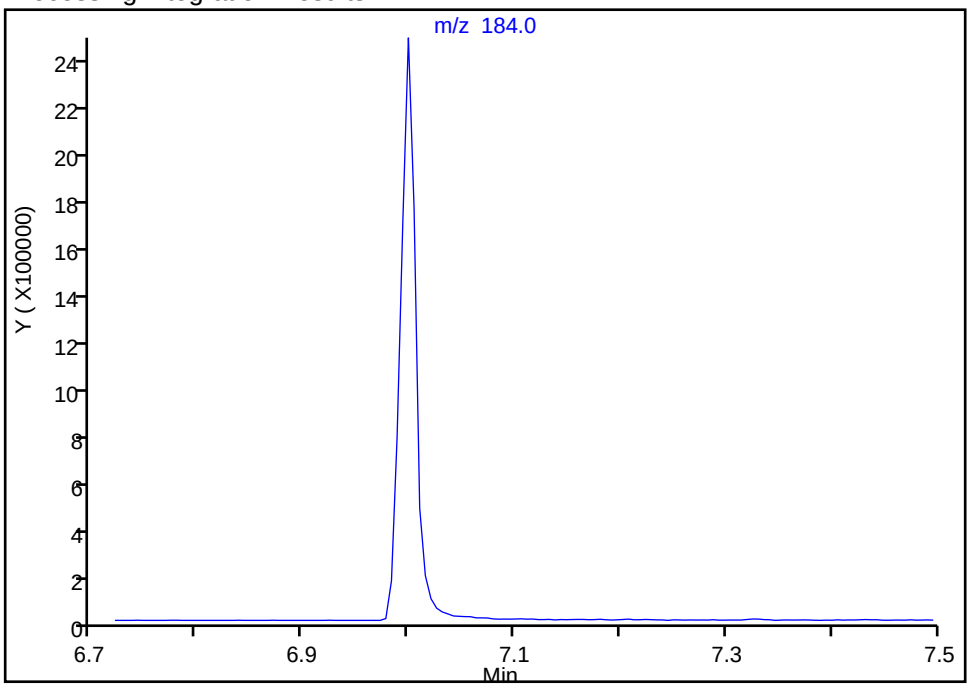
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A10_.D
Injection Date: 24-Jan-2022 17:04:30 Instrument ID: TAC051
Lims ID: STD10
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

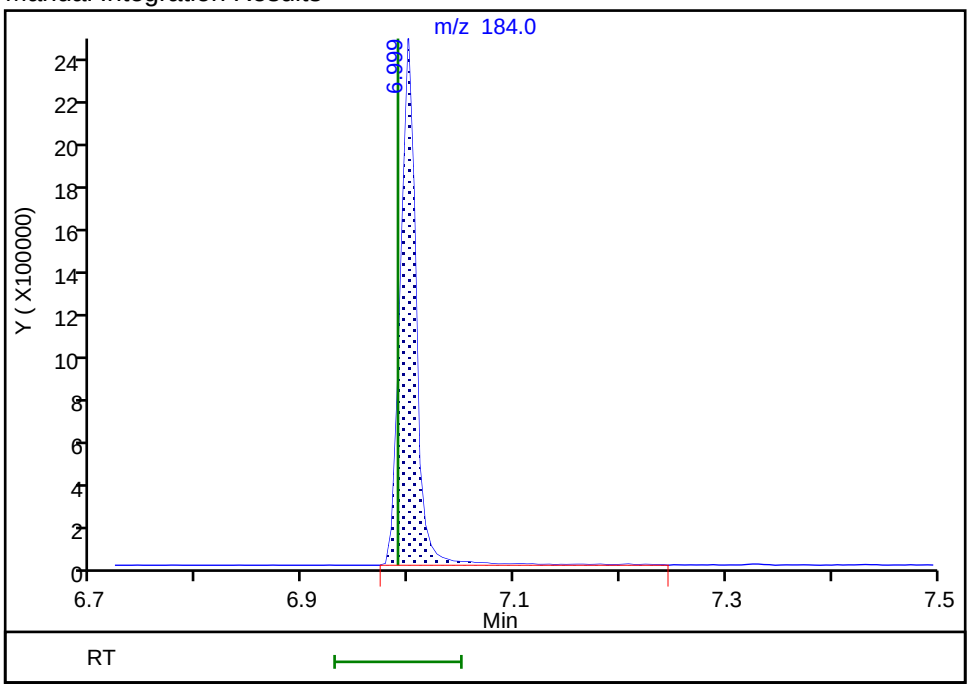
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 7.00
Area: 2491838
Amount: 20325
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:41:04
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A11_.D
Lims ID: STD9
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 24-Jan-2022 17:28:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 9
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:06:43 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:02:30

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.493	4.489	0.004	86	32046	100.0	100.0	
* 2 Naphthalene-d8	136	5.503	5.499	0.004	93	126226	100.0	100.0	
* 3 Acenaphthene-d10	164	6.929	6.925	0.004	35	69529	100.0	100.0	
* 4 Phenanthrene-d10	188	8.142	8.138	0.004	93	103934	100.0	100.0	
* 5 Chrysene-d12	240	10.338	10.334	0.004	48	85575	100.0	100.0	
* 6 Perylene-d12	264	11.866	11.862	0.004	89	93823	100.0	100.0	
$ 7 2-Fluorophenol	112	3.484	3.485	-0.001	87	1660042	5000.0	5557.1	
$ 8 Phenol-d5	99	4.210	4.212	-0.002	97	1869344	5000.0	5669.3	
$ 9 Nitrobenzene-d5	82	4.931	4.928	0.003	87	1521900	5000.0	5065.4	
$ 10 2-methylnaphthalene-d10	152	6.053	6.055	-0.002	0	3587509	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.385	6.386	-0.001	97	4270070	5000.0	4618.7	
$ 12 2,4,6-Tribromophenol	330	7.576	7.572	0.004	88	785601	5000.0	5405.9	
$ 13 Fluoranthene-d10 (Surr)	212	9.120	9.116	0.004	0	5108271	NC	NC	
$ 14 Terphenyl-d14	244	9.462	9.458	0.004	98	3794742	5000.0	4874.9	
15 1,4-Dioxane	88	2.362	2.353	0.009	0	1793	NC	NC	
16 N-Nitrosodimethylamine	74	2.469	2.475	-0.006	75	744037	5000.0	5528.9	
17 Pyridine	79	2.479	2.492	-0.013	87	2527274	10000	10602	
19 Phenol	94	4.221	4.222	-0.001	97	1885852	5000.0	5859.2	
18 Aniline	93	4.237	4.238	-0.001	67	2047944	5000.0	5069.8	
20 Bis(2-chloroethyl)ether	93	4.296	4.297	-0.001	97	1412935	5000.0	5104.7	
21 2-Chlorophenol	128	4.328	4.324	0.004	66	2189408	5000.0	5644.1	
22 n-Decane	57	4.376	4.377	-0.001	89	1265178	5000.0	4998.7	
23 1,3-Dichlorobenzene	146	4.445	4.447	-0.002	97	2424476	5000.0	5248.6	
25 1,4-Dichlorobenzene	146	4.504	4.505	-0.001	95	2477692	5000.0	4941.3	
26 Benzyl alcohol	79	4.606	4.607	-0.001	92	1143127	5000.0	5783.9	
27 1,2-Dichlorobenzene	146	4.622	4.623	-0.001	97	2370683	5000.0	5048.7	
28 2-Methylphenol	108	4.696	4.692	0.004	57	1573928	5000.0	5851.4	
29 2,2'-oxybis[1-chloropropane]	45	4.718	4.719	-0.001	46	1630687	5000.0	5244.0	a
30 Acetophenone	105	4.814	4.810	0.004	96	2309817	5000.0	5692.4	
31 N-Nitrosodi-n-propylamine	70	4.819	4.815	0.004	73	906094	5000.0	5673.5	
32 3 & 4 Methylphenol	108	4.825	4.821	0.004	89	1579216	5000.0	5605.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.883	4.885	-0.002	92	958843	5000.0	5272.8	
34 Nitrobenzene	77	4.948	4.944	0.004	86	1470537	5000.0	5370.8	
35 Isophorone	82	5.140	5.136	0.004	94	2615844	5000.0	5546.3	
36 2-Nitrophenol	139	5.199	5.200	-0.001	88	1162420	5000.0	5314.9	
37 2,4-Dimethylphenol	107	5.241	5.243	-0.002	93	1807128	5000.0	5642.7	
39 Benzoic acid	105	5.370	5.301	0.069	82	2738724	10000	10046	a
38 Bis(2-chloroethoxy)methane	93	5.321	5.323	-0.002	98	1636469	5000.0	5530.9	
40 2,4-Dichlorophenol	162	5.391	5.392	-0.001	80	1794662	5000.0	5297.1	
41 1,2,4-Trichlorobenzene	180	5.455	5.456	-0.001	95	1818176	5000.0	4710.4	
42 Naphthalene	128	5.519	5.515	0.004	97	5521644	5000.0	5208.9	
43 4-Chloroaniline	127	5.573	5.569	0.004	82	2365912	5000.0	5250.2	
44 2,6-Dichlorophenol	162	5.573	5.574	-0.001	85	1778591	5000.0	5049.1	
45 Hexachlorobutadiene	225	5.621	5.622	-0.001	93	1066820	5000.0	4656.6	
46 4-Chloro-3-methylphenol	107	5.973	5.969	0.004	87	1482131	5000.0	5314.9	
47 2-Methylnaphthalene	142	6.080	6.081	-0.001	83	3851996	5000.0	4684.3	
48 1-Methylnaphthalene	142	6.160	6.156	0.004	90	3734140	5000.0	4781.0	
49 Hexachlorocyclopentadiene	237	6.208	6.210	-0.002	92	1289587	5000.0	5257.0	
50 1,2,4,5-Tetrachlorobenzene	216	6.214	6.215	-0.001	95	1755031	5000.0	5031.7	
52 2,4,6-Trichlorophenol	196	6.315	6.311	0.004	88	1257370	5000.0	5488.2	
53 2,4,5-Trichlorophenol	196	6.342	6.343	-0.001	94	1346813	5000.0	5095.6	
54 1,1'-Biphenyl	154	6.465	6.461	0.004	96	4564025	5000.0	4524.7	
55 2-Chloronaphthalene	162	6.475	6.471	0.004	97	3667033	5000.0	4628.8	
56 2-Nitroaniline	138	6.566	6.568	-0.002	92	1348336	5000.0	5351.6	
57 Dimethyl phthalate	163	6.732	6.722	0.010	99	4185506	5000.0	5134.9	
58 1,3-Dinitrobenzene	168	6.748	6.744	0.004	80	733033	5000.0	5191.6	
59 2,6-Dinitrotoluene	165	6.775	6.765	0.009	64	1077271	5000.0	5172.4	
60 Acenaphthylene	152	6.812	6.808	0.004	95	5509536	5000.0	5177.3	
61 3-Nitroaniline	138	6.908	6.904	0.004	88	1071282	5000.0	5146.7	
62 Acenaphthene	153	6.956	6.952	0.004	93	3766831	5000.0	4629.5	
63 2,4-Dinitrophenol	184	6.994	6.990	0.004	84	1279146	10000	10057	a
64 4-Nitrophenol	109	7.058	7.048	0.010	83	1225638	10000	9795.4	
65 2,4-Dinitrotoluene	165	7.100	7.096	0.004	62	1374334	5000.0	5024.6	
66 Dibenzofuran	168	7.100	7.096	0.004	87	5012656	5000.0	4845.6	
51 2,3,5,6-Tetrachlorophenol	232	7.164	7.166	-0.002	88	966835	5000.0	5257.8	
67 2,3,4,6-Tetrachlorophenol	232	7.202	7.198	0.004	74	1066016	5000.0	5010.2	
68 Diethyl phthalate	149	7.309	7.299	0.010	98	4312494	5000.0	4784.9	
69 Fluorene	166	7.378	7.374	0.004	82	4108288	5000.0	4990.4	
70 4-Chlorophenyl phenyl ether	204	7.384	7.385	-0.001	88	1870819	5000.0	4937.0	
71 4-Nitroaniline	138	7.410	7.401	0.009	34	989483	5000.0	5054.7	
72 4,6-Dinitro-2-methylphenol	198	7.432	7.422	0.010	84	1443908	10000	10748	
73 N-Nitrosodiphenylamine	169	7.485	7.481	0.004	61	3054845	5000.0	5536.7	
74 Azobenzene	77	7.517	7.513	0.004	91	2889028	5000.0	5024.4	
75 4-Bromophenyl phenyl ether	248	7.784	7.786	-0.002	59	1147061	5000.0	5231.6	
76 Hexachlorobenzene	284	7.822	7.818	0.004	84	1289466	5000.0	4800.6	
77 Atrazine	200	7.934	7.930	0.004	92	1186308	5000.0	5016.5	
78 Pentachlorophenol	266	7.987	7.983	0.004	87	1690585	10000	10794	
79 n-Octadecane	57	8.083	8.085	-0.002	92	1607173	5000.0	5171.0	
80 Phenanthrene	178	8.158	8.160	-0.001	97	5255844	5000.0	5238.1	
81 Anthracene	178	8.201	8.197	0.004	97	5365074	5000.0	5290.5	
83 Carbazole	167	8.340	8.336	0.004	83	4194838	5000.0	5032.9	
84 Di-n-butyl phthalate	149	8.644	8.646	-0.002	100	6444929	5000.0	5435.9	
85 Fluoranthene	202	9.136	9.132	0.004	96	5421432	5000.0	5275.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.259	9.260	-0.001	98	3023406	10000	9952.6	
89 Pyrene	202	9.317	9.313	0.004	96	5615456	5000.0	5264.1	
94 Butyl benzyl phthalate	149	9.873	9.869	0.004	93	3084606	5000.0	5307.4	
96 3,3'-Dichlorobenzidine	252	10.322	10.318	0.004	72	3367556	10000	10102	
97 Benzo[a]anthracene	228	10.327	10.323	0.004	99	4971440	5000.0	5140.6	
99 Chrysene	228	10.364	10.360	0.004	91	4943043	5000.0	5136.0	
98 Bis(2-ethylhexyl) phthalate	149	10.391	10.393	-0.001	78	4146254	5000.0	4895.7	
100 Di-n-octyl phthalate	149	11.059	11.055	0.004	98	6987870	5000.0	5625.4	
101 Benzo[b]fluoranthene	252	11.433	11.424	0.009	96	5227145	5000.0	5021.0	
102 Benzofluoranthene	252	11.465	11.456	0.009	1	10361259	10000	8986.7	
103 Benzo[k]fluoranthene	252	11.465	11.456	0.009	93	5370634	5000.0	4264.0	
104 Benzo[a]pyrene	252	11.801	11.792	0.009	74	4696887	5000.0	4895.1	
105 Indeno[1,2,3-cd]pyrene	276	13.180	13.165	0.015	91	4974655	5000.0	5184.7	
106 Dibenz(a,h)anthracene	278	13.217	13.208	0.009	75	5303630	5000.0	5116.0	
107 Benzo[g,h,i]perylene	276	13.511	13.496	0.015	93	5489900	5000.0	5047.2	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

8270_ic_stk_00062	Amount Added: 50.00	Units: uL
8270SIM_IS_00069	Amount Added: 10.00	Units: uL

Report Date: 28-Jan-2022 17:06:44 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A11_.D

Injection Date: 24-Jan-2022 17:28:30 Instrument ID: TAC051

Lims ID: STD9

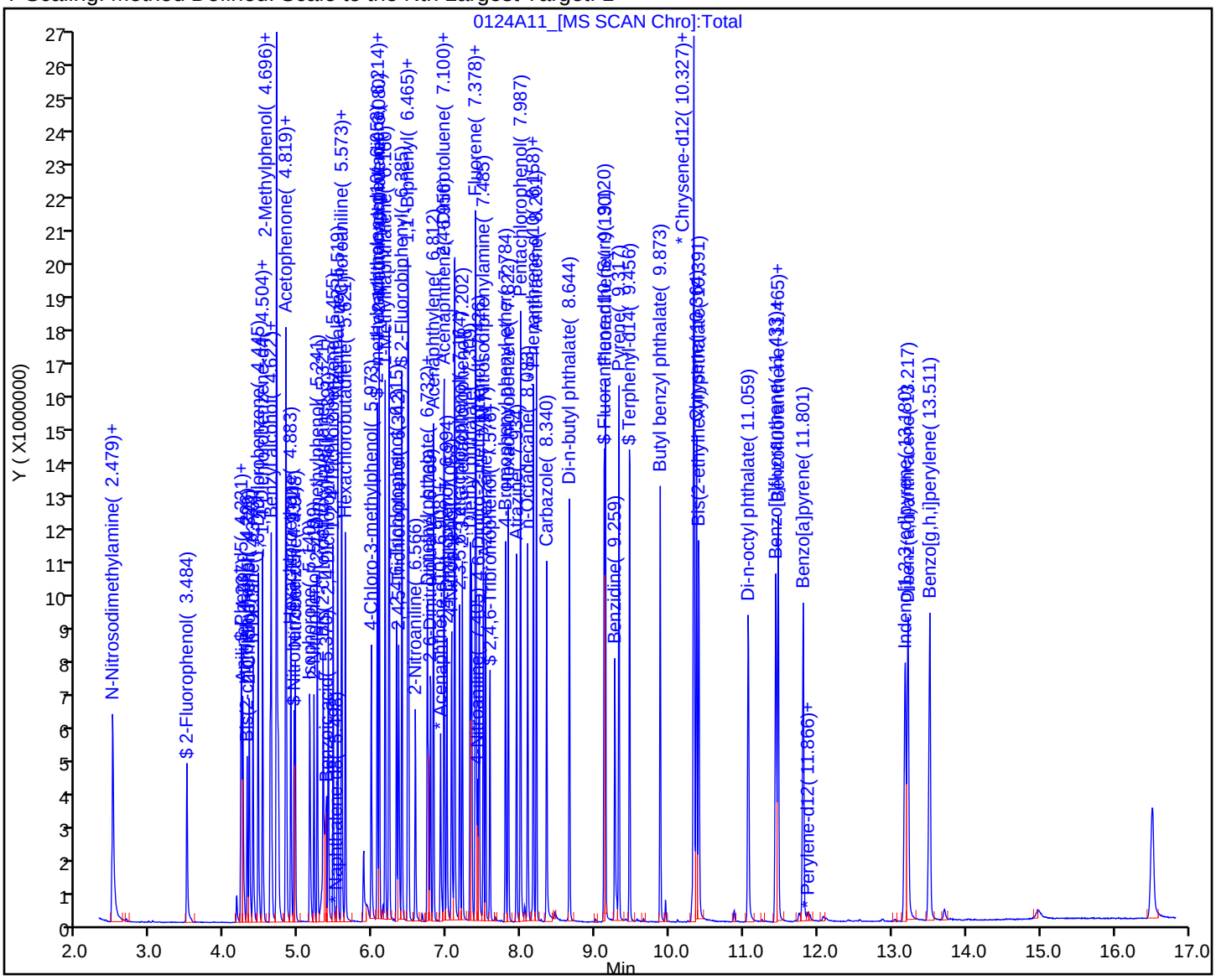
Client ID:

Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

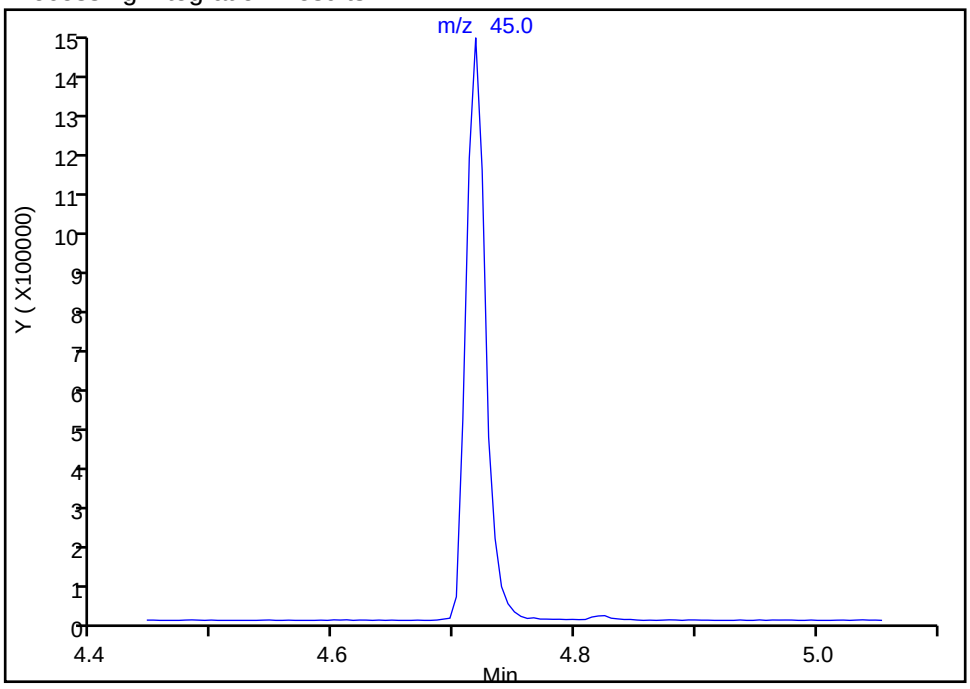
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A11_.D
Injection Date: 24-Jan-2022 17:28:30 Instrument ID: TAC051
Lims ID: STD9
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

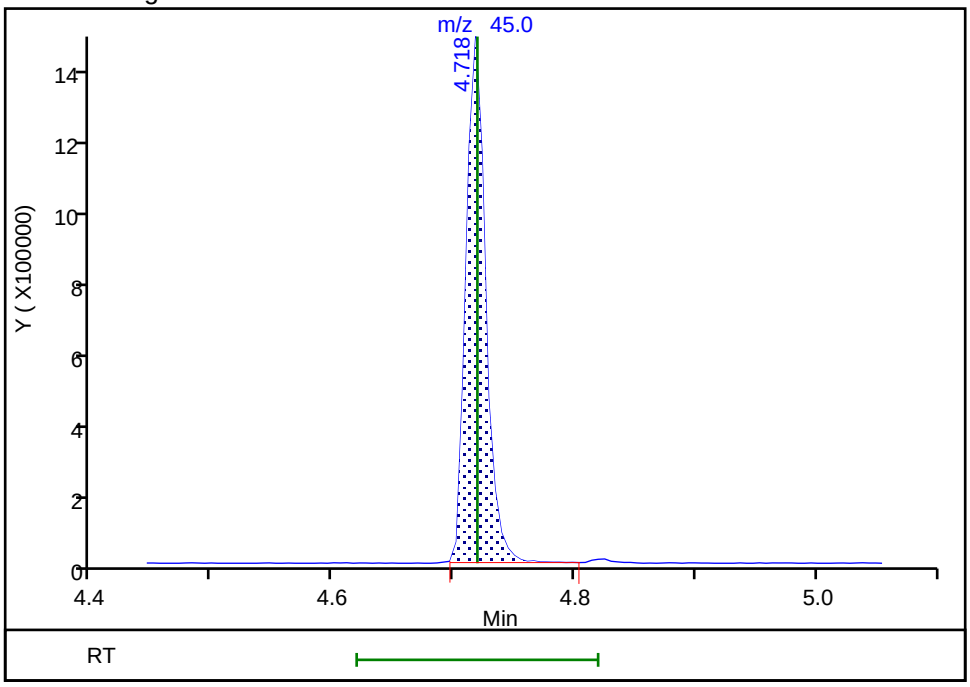
Not Detected
Expected RT: 4.72

Processing Integration Results



Manual Integration Results

RT: 4.72
Area: 1630687
Amount: 5244.0069
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:42:07
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

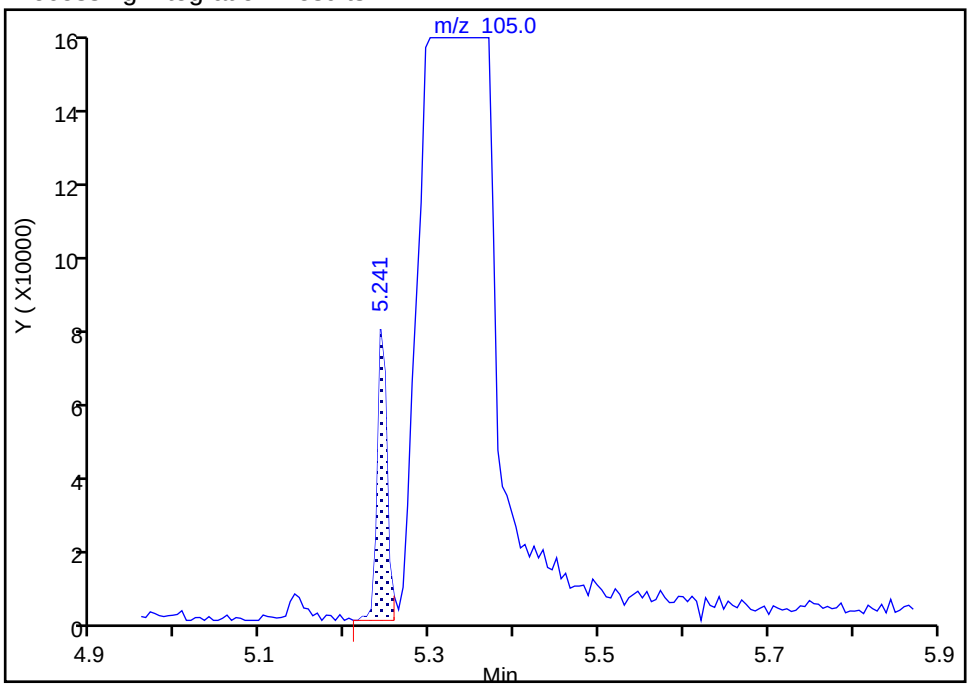
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A11_.D
Injection Date: 24-Jan-2022 17:28:30 Instrument ID: TAC051
Lims ID: STD9
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

39 Benzoic acid, CAS: 65-85-0

Signal: 1

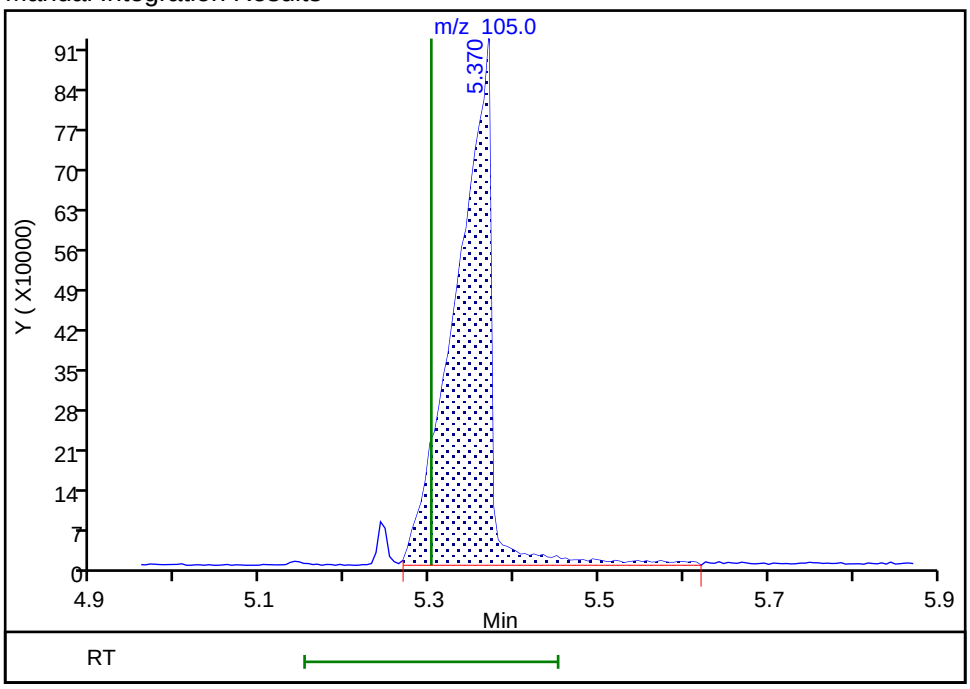
Processing Integration Results

RT: 5.24
Area: 61367
Amount: 536.5393
Amount Units: ug/L



Manual Integration Results

RT: 5.37
Area: 2738724
Amount: 10046
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:45:18
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

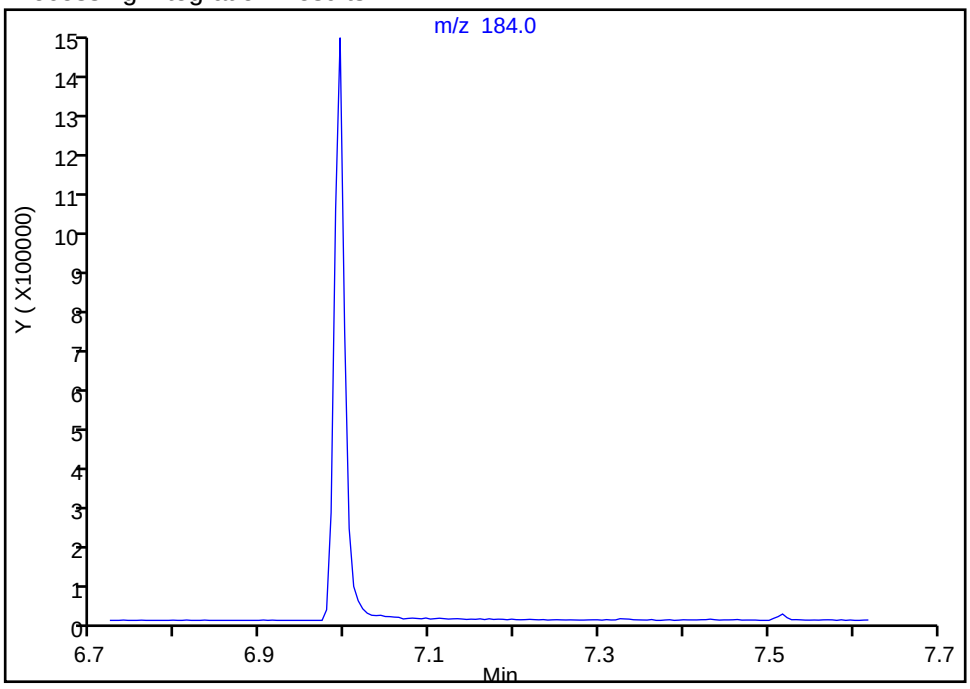
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A11_.D
Injection Date: 24-Jan-2022 17:28:30 Instrument ID: TAC051
Lims ID: STD9
Client ID:
Operator ID: TL ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

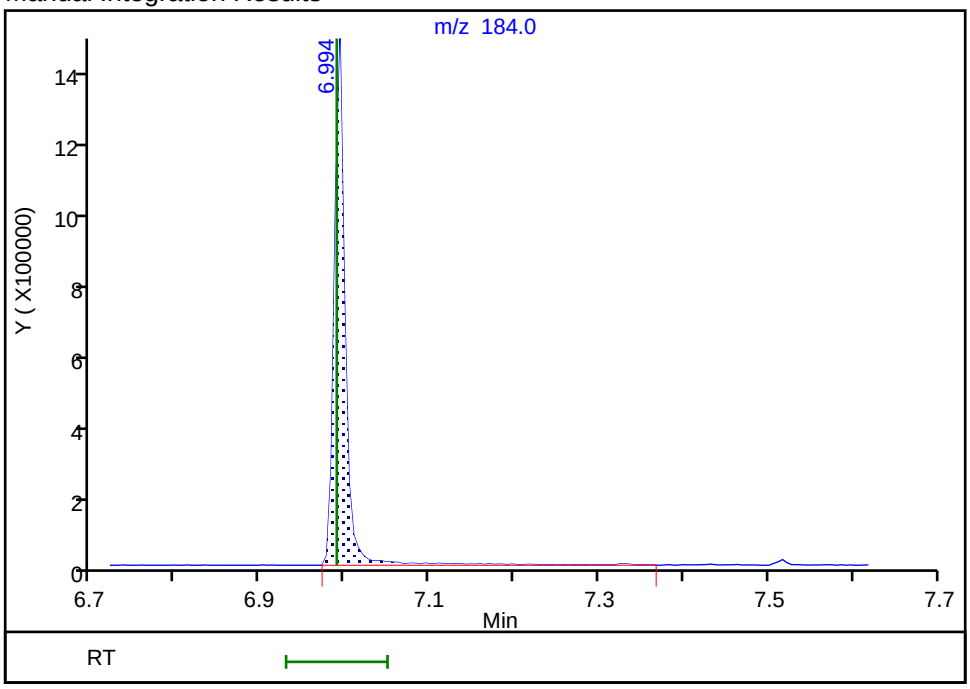
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 6.99
Area: 1279146
Amount: 10057
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:41:56
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A12_.D
Lims ID: STD8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 24-Jan-2022 17:51:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 8
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:06:47 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:03:07

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.491	4.489	0.002	77	33467	100.0	100.0	a
* 2 Naphthalene-d8	136	5.501	5.499	0.002	94	129957	100.0	100.0	
* 3 Acenaphthene-d10	164	6.927	6.925	0.002	42	65966	100.0	100.0	
* 4 Phenanthrene-d10	188	8.140	8.138	0.002	95	103195	100.0	100.0	
* 5 Chrysene-d12	240	10.335	10.334	0.001	44	88740	100.0	100.0	
* 6 Perylene-d12	264	11.858	11.862	-0.004	87	87987	100.0	100.0	
$ 7 2-Fluorophenol	112	3.481	3.485	-0.004	87	621440	2000.0	1995.0	
$ 8 Phenol-d5	99	4.208	4.212	-0.004	98	707780	2000.0	2054.4	
$ 9 Nitrobenzene-d5	82	4.929	4.928	0.001	88	582610	2000.0	1883.5	
$ 10 2-methylnaphthalene-d10	152	6.051	6.055	-0.004	0	1417896	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.382	6.386	-0.004	99	1706929	2000.0	1946.0	
$ 12 2,4,6-Tribromophenol	330	7.573	7.572	0.001	87	279682	2000.0	1963.5	
$ 13 Fluoranthene-d10 (Surr)	212	9.117	9.116	0.001	0	2072596	NC	NC	
$ 14 Terphenyl-d14	244	9.459	9.458	0.001	99	1529297	2000.0	1978.7	
15 1,4-Dioxane	88	2.349	2.353	-0.004	1	4137	NC	NC	
16 N-Nitrosodimethylamine	74	2.472	2.475	-0.003	76	269153	2000.0	1930.9	
17 Pyridine	79	2.482	2.492	-0.010	88	963115	4000.0	3903.7	
19 Phenol	94	4.219	4.222	-0.004	97	719856	2000.0	2141.6	
18 Aniline	93	4.240	4.238	0.002	59	815352	2000.0	1936.4	
20 Bis(2-chloroethyl)ether	93	4.293	4.297	-0.004	97	554075	2000.0	1916.8	
21 2-Chlorophenol	128	4.325	4.324	0.001	67	824994	2000.0	2036.5	
22 n-Decane	57	4.373	4.377	-0.004	92	493704	2000.0	1867.8	
23 1,3-Dichlorobenzene	146	4.443	4.447	-0.004	98	927931	2000.0	1923.5	
25 1,4-Dichlorobenzene	146	4.507	4.505	0.002	97	958150	2000.0	1829.7	
26 Benzyl alcohol	79	4.603	4.607	-0.004	93	432001	2000.0	2097.7	
27 1,2-Dichlorobenzene	146	4.619	4.623	-0.004	97	923363	2000.0	1882.9	
28 2-Methylphenol	108	4.694	4.692	0.002	55	599419	2000.0	2133.8	
29 2,2'-oxybis[1-chloropropane]	45	4.715	4.719	-0.004	47	620330	2000.0	1910.2	a
30 Acetophenone	105	4.811	4.810	0.001	96	879561	2000.0	2075.6	
31 N-Nitrosodi-n-propylamine	70	4.817	4.815	0.002	79	333139	2000.0	1997.4	
32 3 & 4 Methylphenol	108	4.822	4.821	0.001	88	603891	2000.0	2056.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.886	4.885	0.001	88	359498	2000.0	1893.0	
34 Nitrobenzene	77	4.945	4.944	0.001	86	564801	2000.0	1980.8	
35 Isophorone	82	5.137	5.136	0.001	94	1001416	2000.0	2033.1	
36 2-Nitrophenol	139	5.196	5.200	-0.004	89	445738	2000.0	1984.1	
37 2,4-Dimethylphenol	107	5.239	5.243	-0.004	93	694752	2000.0	2080.2	
39 Benzoic acid	105	5.324	5.301	0.023	47	1051632	4000.0	3957.1	
38 Bis(2-chloroethoxy)methane	93	5.319	5.323	-0.004	97	624017	2000.0	2019.5	
40 2,4-Dichlorophenol	162	5.388	5.392	-0.004	89	661249	2000.0	1906.4	
41 1,2,4-Trichlorobenzene	180	5.458	5.456	0.002	92	703731	2000.0	1770.8	
42 Naphthalene	128	5.517	5.515	0.002	96	2306526	2000.0	1844.8	
43 4-Chloroaniline	127	5.570	5.569	0.001	81	853626	2000.0	1856.0	
44 2,6-Dichlorophenol	162	5.570	5.574	-0.004	87	668074	2000.0	1960.0	
45 Hexachlorobutadiene	225	5.623	5.622	0.001	95	407934	2000.0	1729.5	
46 4-Chloro-3-methylphenol	107	5.971	5.969	0.002	88	540762	2000.0	2067.0	
47 2-Methylnaphthalene	142	6.078	6.081	-0.003	79	1549313	2000.0	1830.0	
48 1-Methylnaphthalene	142	6.158	6.156	0.002	81	1453189	2000.0	1807.2	
49 Hexachlorocyclopentadiene	237	6.206	6.210	-0.004	92	474427	2000.0	2038.5	
50 1,2,4,5-Tetrachlorobenzene	216	6.216	6.215	0.001	94	664954	2000.0	1942.3	
52 2,4,6-Trichlorophenol	196	6.313	6.311	0.002	89	438775	2000.0	2038.3	
53 2,4,5-Trichlorophenol	196	6.345	6.343	0.002	96	489699	2000.0	1980.1	
54 1,1'-Biphenyl	154	6.462	6.461	0.001	95	1833985	2000.0	1916.4	
55 2-Chloronaphthalene	162	6.473	6.471	0.002	97	1437621	2000.0	1912.7	
56 2-Nitroaniline	138	6.564	6.568	-0.004	92	459472	2000.0	2073.1	
57 Dimethyl phthalate	163	6.724	6.722	0.002	99	1607770	2000.0	2076.9	
58 1,3-Dinitrobenzene	168	6.740	6.744	-0.004	82	254656	2000.0	2043.0	
59 2,6-Dinitrotoluene	165	6.767	6.765	0.002	68	396420	2000.0	2026.5	
60 Acenaphthylene	152	6.809	6.808	0.001	90	2253492	2000.0	2079.4	
61 3-Nitroaniline	138	6.906	6.904	0.002	85	394436	2000.0	2042.1	
62 Acenaphthene	153	6.954	6.952	0.002	92	1479588	2000.0	1916.6	
63 2,4-Dinitrophenol	184	6.991	6.990	0.001	73	423163	4000.0	3785.4	a
64 4-Nitrophenol	109	7.050	7.048	0.002	85	411039	4000.0	3970.2	
65 2,4-Dinitrotoluene	165	7.093	7.096	-0.003	63	514538	2000.0	2018.9	
66 Dibenzofuran	168	7.098	7.096	0.002	88	2088576	2000.0	2128.0	
51 2,3,5,6-Tetrachlorophenol	232	7.162	7.166	-0.004	88	361812	2000.0	2098.7	
67 2,3,4,6-Tetrachlorophenol	232	7.199	7.198	0.001	72	399267	2000.0	1993.6	
68 Diethyl phthalate	149	7.306	7.299	0.007	97	1696159	2000.0	1983.6	
69 Fluorene	166	7.376	7.374	0.002	83	1641956	2000.0	2102.2	
70 4-Chlorophenyl phenyl ether	204	7.386	7.385	0.001	90	737588	2000.0	2051.6	
71 4-Nitroaniline	138	7.402	7.401	0.001	34	335166	2000.0	1846.5	
72 4,6-Dinitro-2-methylphenol	198	7.424	7.422	0.002	83	499883	4000.0	3866.3	
73 N-Nitrosodiphenylamine	169	7.483	7.481	0.002	59	1171768	2000.0	2139.0	
74 Azobenzene	77	7.515	7.513	0.002	89	1109354	2000.0	1945.5	
75 4-Bromophenyl phenyl ether	248	7.782	7.786	-0.004	60	435582	2000.0	1922.8	
76 Hexachlorobenzene	284	7.819	7.818	0.001	83	492581	2000.0	1847.0	
77 Atrazine	200	7.931	7.930	0.001	94	454389	2000.0	2036.0	
78 Pentachlorophenol	266	7.985	7.983	0.002	86	606919	4000.0	3995.3	
79 n-Octadecane	57	8.081	8.085	-0.004	91	601553	2000.0	1864.5	
80 Phenanthrene	178	8.156	8.160	-0.003	97	2154658	2000.0	1917.7	
81 Anthracene	178	8.198	8.197	0.001	97	2210236	2000.0	1897.7	
83 Carbazole	167	8.337	8.336	0.001	86	1688495	2000.0	1869.4	
84 Di-n-butyl phthalate	149	8.647	8.646	0.001	99	2675585	2000.0	1910.6	
85 Fluoranthene	202	9.133	9.132	0.001	96	2272893	2000.0	1912.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.256	9.260	-0.004	98	948099	4000.0	3203.0	
89 Pyrene	202	9.315	9.313	0.002	98	2343078	2000.0	1916.0	
94 Butyl benzyl phthalate	149	9.870	9.869	0.001	93	1169116	2000.0	1843.2	
96 3,3'-Dichlorobenzidine	252	10.319	10.318	0.001	70	1342115	4000.0	3759.6	
97 Benzo[a]anthracene	228	10.325	10.323	0.002	99	2000496	2000.0	1834.1	
99 Chrysene	228	10.362	10.360	0.002	93	2040111	2000.0	1803.0	
98 Bis(2-ethylhexyl) phthalate	149	10.394	10.393	0.002	76	1655943	2000.0	1978.3	
100 Di-n-octyl phthalate	149	11.056	11.055	0.001	98	2735228	2000.0	2348.0	
101 Benzo[b]fluoranthene	252	11.425	11.424	0.001	93	2022914	2000.0	2073.4	
102 Benzofluoranthene	252	11.457	11.456	0.001	1	4246638	4000.0	3927.6	
103 Benzo[k]fluoranthene	252	11.457	11.456	0.001	98	2314015	2000.0	1959.1	
104 Benzo[a]pyrene	252	11.794	11.792	0.002	75	1838099	2000.0	2045.5	
105 Indeno[1,2,3-cd]pyrene	276	13.167	13.165	0.002	94	1869567	2000.0	2083.6	
106 Dibenz(a,h)anthracene	278	13.209	13.208	0.001	73	2039921	2000.0	2106.5	
107 Benzo[g,h,i]perylene	276	13.498	13.496	0.002	91	2196860	2000.0	2012.8	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

8270_ic_stk_00062	Amount Added: 20.00	Units: uL
8270SIM_IS_00069	Amount Added: 10.00	Units: uL

Report Date: 28-Jan-2022 17:06:48 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A12_.D

Injection Date: 24-Jan-2022 17:51:30 Instrument ID: TAC051

Lims ID: STD8

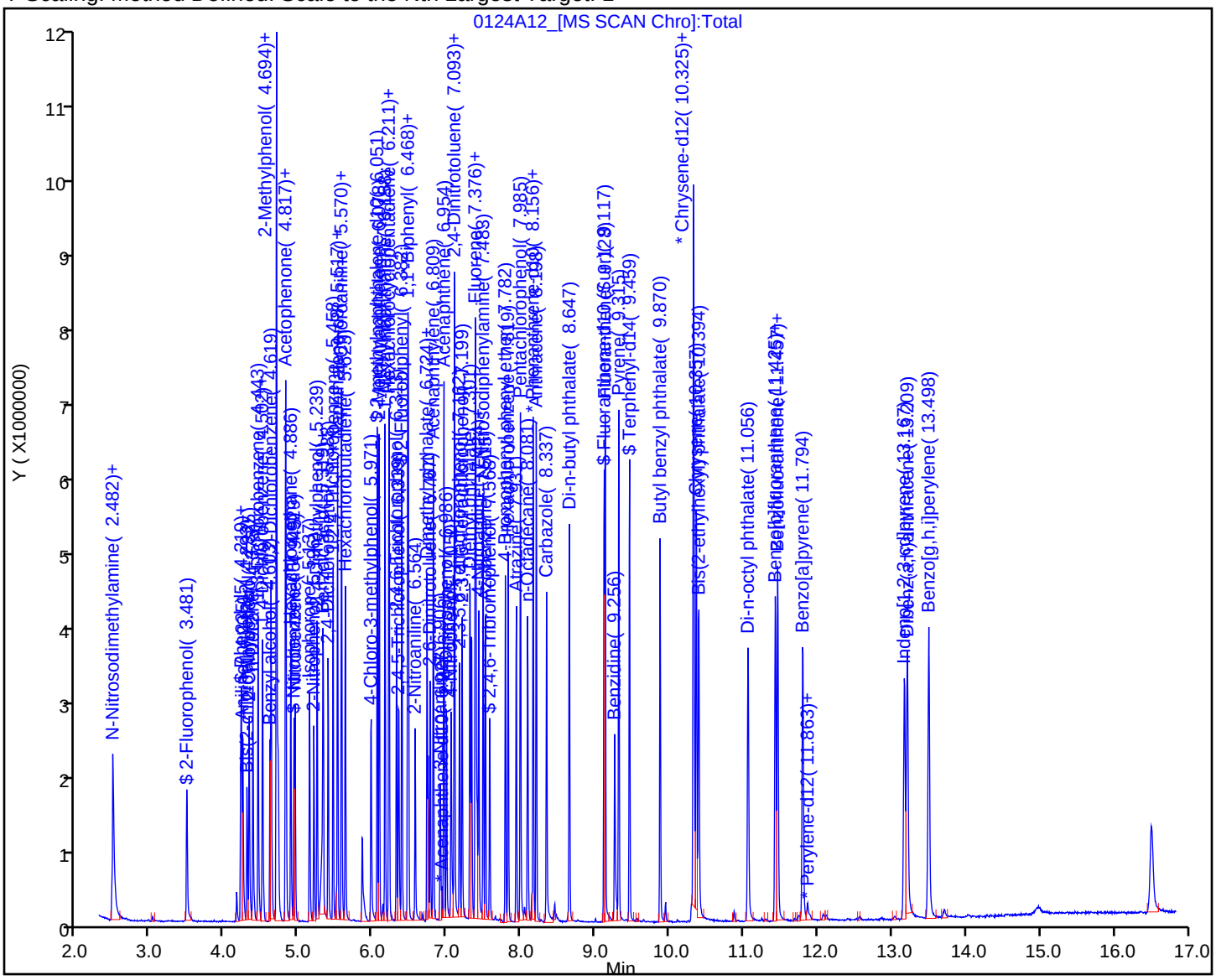
Client ID:

Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

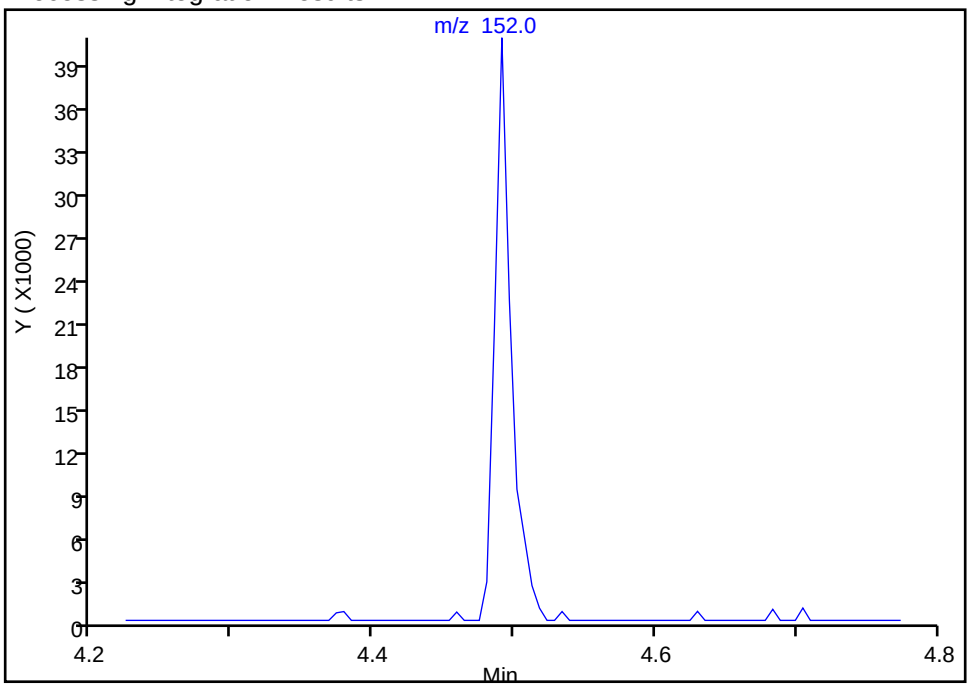
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A12_.D
Injection Date: 24-Jan-2022 17:51:30 Instrument ID: TAC051
Lims ID: STD8
Client ID:
Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

* 1 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

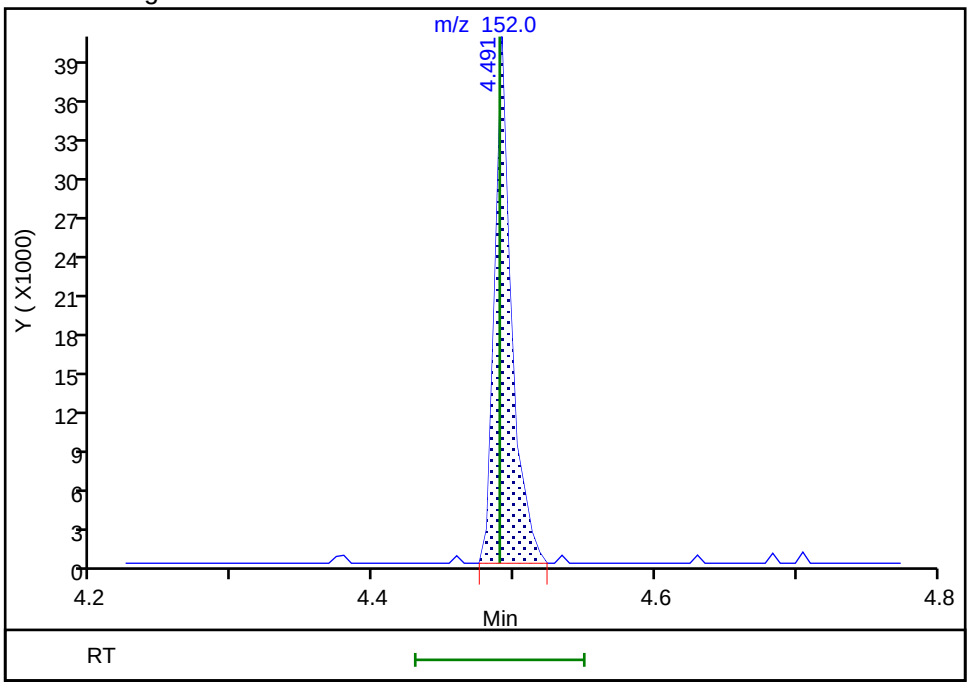
Not Detected
Expected RT: 4.49

Processing Integration Results



Manual Integration Results

RT: 4.49
Area: 33467
Amount: 100.0000
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:42:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

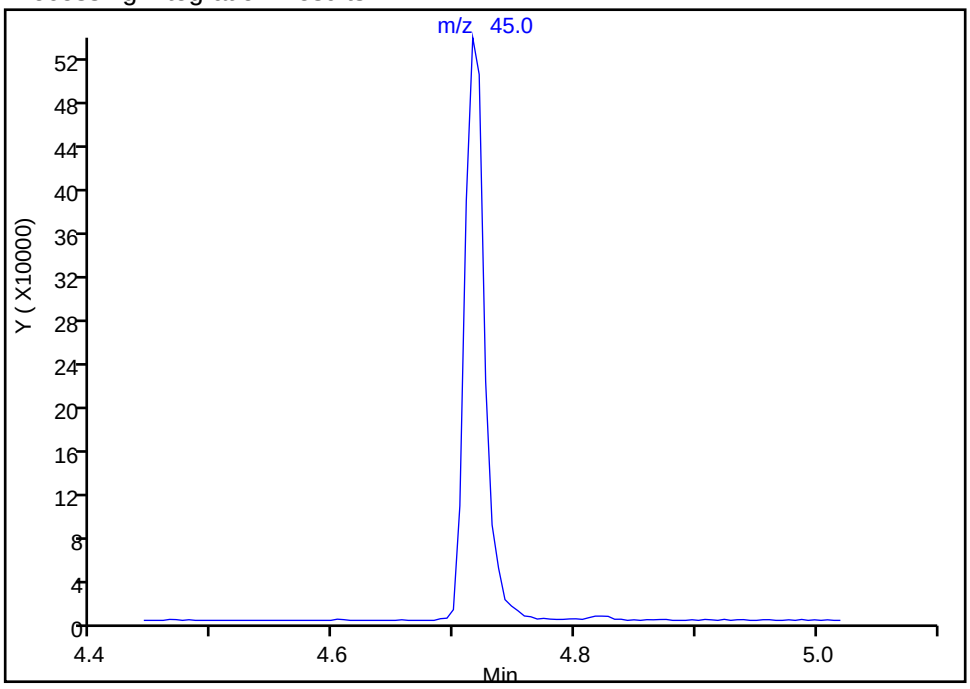
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A12_.D
Injection Date: 24-Jan-2022 17:51:30 Instrument ID: TAC051
Lims ID: STD8
Client ID:
Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

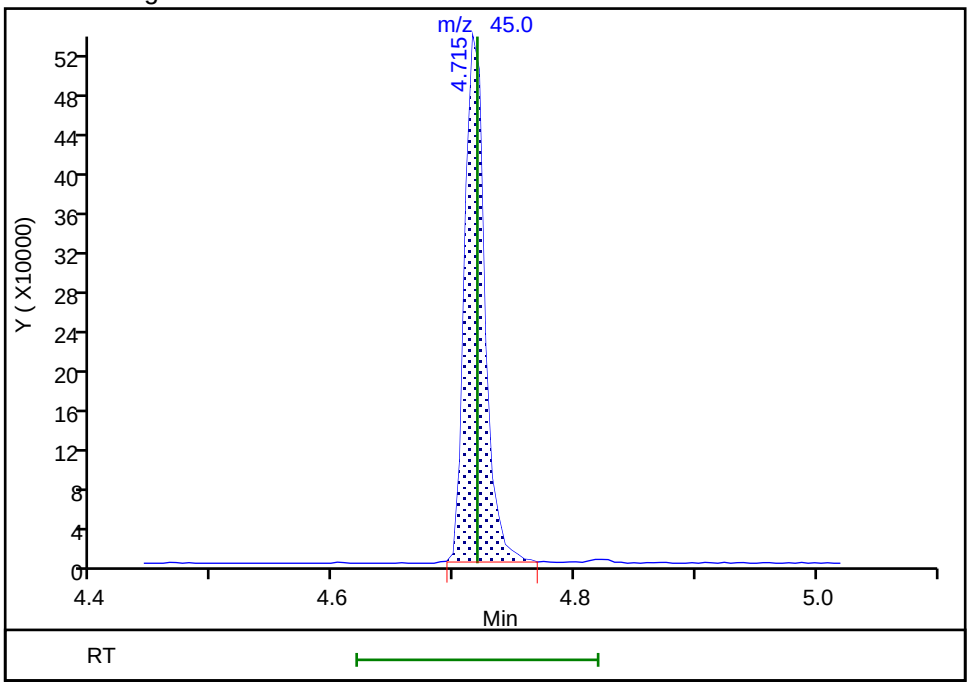
Not Detected
Expected RT: 4.72

Processing Integration Results



Manual Integration Results

RT: 4.72
Area: 620330
Amount: 1910.1720
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:42:30
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

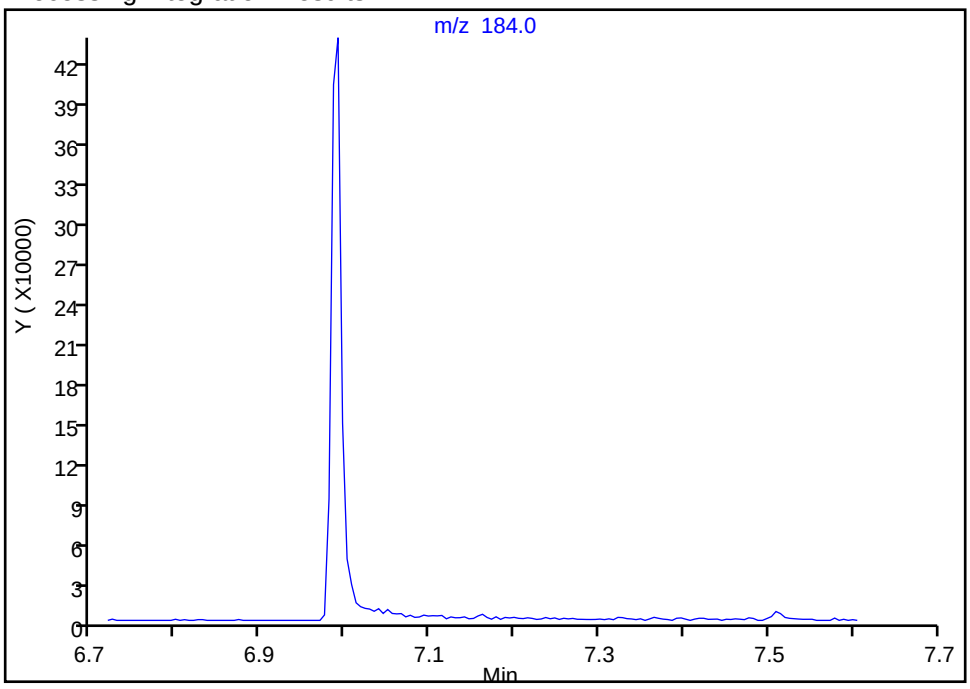
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A12_.D
Injection Date: 24-Jan-2022 17:51:30 Instrument ID: TAC051
Lims ID: STD8
Client ID:
Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

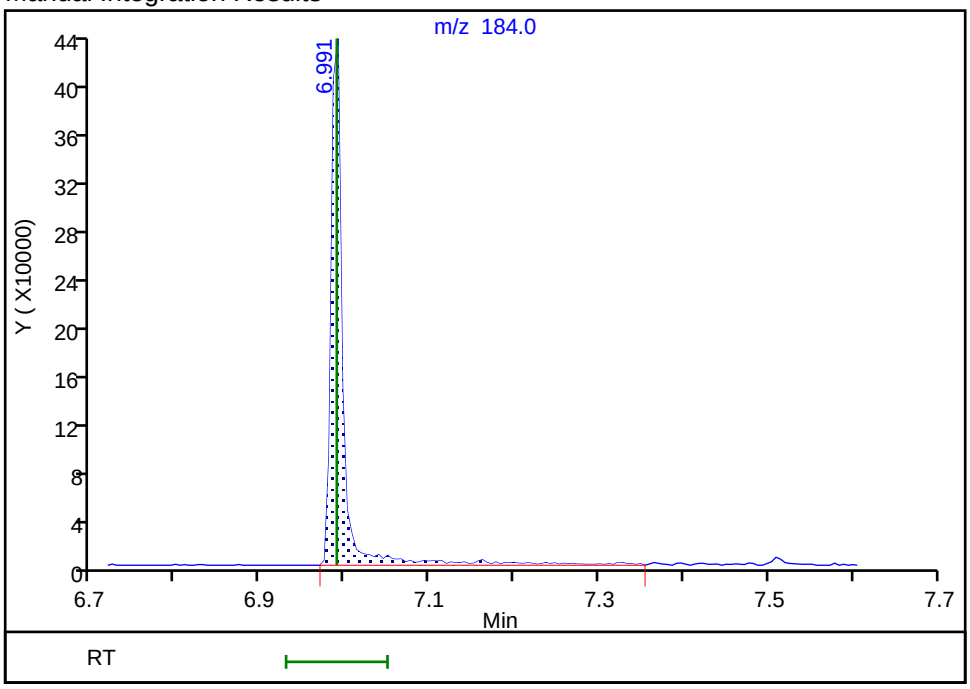
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 6.99
Area: 423163
Amount: 3785.4448
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:42:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A13_.D
Lims ID: STD7IS
Client ID:
Sample Type: ICIS Calib Level: 7
Inject. Date: 24-Jan-2022 18:14:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 7
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:06:50 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: boylea Date: 28-Jan-2022 17:03:48

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.489	4.489	0.000	72	32770	100.0	100.0	
* 2 Naphthalene-d8	136	5.499	5.499	0.000	95	118298	100.0	100.0	
* 3 Acenaphthene-d10	164	6.925	6.925	0.000	54	65313	100.0	100.0	
* 4 Phenanthrene-d10	188	8.138	8.138	0.000	94	94680	100.0	100.0	
* 5 Chrysene-d12	240	10.334	10.334	0.000	52	77460	100.0	100.0	
* 6 Perylene-d12	264	11.862	11.862	0.000	87	82562	100.0	100.0	
$ 7 2-Fluorophenol	112	3.485	3.485	0.000	86	326634	1000.0	1073.1	
$ 8 Phenol-d5	99	4.212	4.212	0.000	98	360808	1000.0	1068.8	
$ 9 Nitrobenzene-d5	82	4.928	4.928	0.000	86	301048	1000.0	1069.1	
$ 10 2-methylnaphthalene-d10	152	6.055	6.055	0.000	0	720455	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.386	6.386	0.000	98	885103	1000.0	1019.2	
$ 12 2,4,6-Tribromophenol	330	7.572	7.572	0.000	83	139026	1000.0	1081.7	
$ 13 Fluoranthene-d10 (Surr)	212	9.116	9.116	0.000	0	1054605	NC	NC	
$ 14 Terphenyl-d14	244	9.458	9.458	0.000	99	764445	1000.0	1078.0	
15 1,4-Dioxane	88	2.353	2.353	0.000	1	2604	NC	NC	
16 N-Nitrosodimethylamine	74	2.475	2.475	0.000	78	137585	1000.0	1019.6	
17 Pyridine	79	2.492	2.492	0.000	89	474344	2000.0	1990.9	
19 Phenol	94	4.222	4.222	0.000	99	371134	1000.0	1127.6	
18 Aniline	93	4.238	4.238	0.000	21	415718	1000.0	1011.1	
20 Bis(2-chloroethyl)ether	93	4.297	4.297	0.000	95	293417	1000.0	1036.6	
21 2-Chlorophenol	128	4.324	4.324	0.000	83	425276	1000.0	1072.1	
22 n-Decane	57	4.377	4.377	0.000	88	256033	1000.0	989.2	
23 1,3-Dichlorobenzene	146	4.447	4.447	0.000	97	507414	1000.0	1074.2	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	96	503454	1000.0	981.9	
26 Benzyl alcohol	79	4.607	4.607	0.000	92	211530	1000.0	1052.7	
27 1,2-Dichlorobenzene	146	4.623	4.623	0.000	97	482591	1000.0	1005.0	
28 2-Methylphenol	108	4.692	4.692	0.000	53	302200	1000.0	1098.7	
29 2,2'-oxybis[1-chloropropane]	45	4.719	4.719	0.000	62	323494	1000.0	1017.3	a
30 Acetophenone	105	4.810	4.810	0.000	95	439228	1000.0	1058.5	
31 N-Nitrosodi-n-propylamine	70	4.815	4.815	0.000	73	164634	1000.0	1008.1	
32 3 & 4 Methylphenol	108	4.821	4.821	0.000	87	299221	1000.0	1043.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.885	4.885	0.000	89	187308	1000.0	1007.3	
34 Nitrobenzene	77	4.944	4.944	0.000	83	289563	1000.0	1041.3	
35 Isophorone	82	5.136	5.136	0.000	94	516354	1000.0	1070.6	
36 2-Nitrophenol	139	5.200	5.200	0.000	86	223185	1000.0	1094.6	
37 2,4-Dimethylphenol	107	5.243	5.243	0.000	91	351805	1000.0	1078.0	
39 Benzoic acid	105	5.301	5.301	0.000	50	442673	2000.0	2010.1	
38 Bis(2-chloroethoxy)methane	93	5.323	5.323	0.000	87	328271	1000.0	1085.0	
40 2,4-Dichlorophenol	162	5.392	5.392	0.000	87	329716	1000.0	1051.8	
41 1,2,4-Trichlorobenzene	180	5.456	5.456	0.000	94	366508	1000.0	1013.2	
42 Naphthalene	128	5.515	5.515	0.000	96	1190797	1000.0	1013.9	
43 4-Chloroaniline	127	5.569	5.569	0.000	82	420896	1000.0	1016.7	
44 2,6-Dichlorophenol	162	5.574	5.574	0.000	93	343493	1000.0	1013.5	
45 Hexachlorobutadiene	225	5.622	5.622	0.000	93	215414	1000.0	1003.3	
46 4-Chloro-3-methylphenol	107	5.969	5.969	0.000	87	256346	1000.0	1009.2	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	79	804387	1000.0	1043.7	
48 1-Methylnaphthalene	142	6.156	6.156	0.000	90	775117	1000.0	1058.9	
49 Hexachlorocyclopentadiene	237	6.210	6.210	0.000	87	234068	1000.0	1015.8	
50 1,2,4,5-Tetrachlorobenzene	216	6.215	6.215	0.000	94	346660	1000.0	1009.5	
52 2,4,6-Trichlorophenol	196	6.311	6.311	0.000	90	211695	1000.0	1009.2	
53 2,4,5-Trichlorophenol	196	6.343	6.343	0.000	93	244235	1000.0	1019.4	
54 1,1'-Biphenyl	154	6.461	6.461	0.000	95	962852	1000.0	1016.2	
55 2-Chloronaphthalene	162	6.471	6.471	0.000	97	751023	1000.0	1009.2	
56 2-Nitroaniline	138	6.568	6.568	0.000	85	214029	1000.0	1025.4	
57 Dimethyl phthalate	163	6.722	6.722	0.000	99	855918	1000.0	1115.1	
58 1,3-Dinitrobenzene	168	6.744	6.744	0.000	75	111350	1000.0	978.8	
59 2,6-Dinitrotoluene	165	6.765	6.765	0.000	72	192043	1000.0	1008.5	
60 Acenaphthylene	152	6.808	6.808	0.000	90	1167400	1000.0	1063.3	
61 3-Nitroaniline	138	6.904	6.904	0.000	87	176681	1000.0	964.0	
62 Acenaphthene	153	6.952	6.952	0.000	92	768188	1000.0	1005.1	
63 2,4-Dinitrophenol	184	6.990	6.990	0.000	83	179184	2000.0	1863.7	a
64 4-Nitrophenol	109	7.048	7.048	0.000	81	124182	2000.0	1757.0	
65 2,4-Dinitrotoluene	165	7.096	7.096	0.000	59	258359	1000.0	1053.3	
66 Dibenzofuran	168	7.096	7.096	0.000	88	1074130	1000.0	1105.4	
51 2,3,5,6-Tetrachlorophenol	232	7.166	7.166	0.000	89	174633	1000.0	1044.1	
67 2,3,4,6-Tetrachlorophenol	232	7.198	7.198	0.000	74	197558	1000.0	1009.3	
68 Diethyl phthalate	149	7.299	7.299	0.000	97	895822	1000.0	1058.1	
69 Fluorene	166	7.374	7.374	0.000	83	857897	1000.0	1109.4	
70 4-Chlorophenyl phenyl ether	204	7.385	7.385	0.000	91	379369	1000.0	1065.8	
71 4-Nitroaniline	138	7.401	7.401	0.000	33	160171	1000.0	924.9	
72 4,6-Dinitro-2-methylphenol	198	7.422	7.422	0.000	84	231561	2000.0	2042.2	
73 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	61	601233	1000.0	1196.2	
74 Azobenzene	77	7.513	7.513	0.000	91	584678	1000.0	1119.2	
75 4-Bromophenyl phenyl ether	248	7.786	7.786	0.000	56	217984	1000.0	1041.7	
76 Hexachlorobenzene	284	7.818	7.818	0.000	84	249823	1000.0	1021.0	
77 Atrazine	200	7.930	7.930	0.000	92	229735	1000.0	1048.5	
78 Pentachlorophenol	266	7.983	7.983	0.000	82	281395	2000.0	2090.5	
79 n-Octadecane	57	8.085	8.085	0.000	91	319134	1000.0	1067.5	
80 Phenanthrene	178	8.160	8.160	0.000	96	1131435	1000.0	1065.8	
81 Anthracene	178	8.197	8.197	0.000	97	1143048	1000.0	1037.0	
83 Carbazole	167	8.336	8.336	0.000	82	922250	1000.0	1091.9	
84 Di-n-butyl phthalate	149	8.646	8.646	0.000	99	1369355	1000.0	1023.9	
85 Fluoranthene	202	9.132	9.132	0.000	95	1177032	1000.0	1041.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.260	9.260	0.000	98	591479	2000.0	2205.8	
89 Pyrene	202	9.313	9.313	0.000	98	1200976	1000.0	1033.3	
94 Butyl benzyl phthalate	149	9.869	9.869	0.000	93	577966	1000.0	1034.7	
96 3,3'-Dichlorobenzidine	252	10.318	10.318	0.000	74	655354	2000.0	2095.3	
97 Benzo[a]anthracene	228	10.323	10.323	0.000	99	1040691	1000.0	1075.6	
99 Chrysene	228	10.360	10.360	0.000	92	1041324	1000.0	1021.7	
98 Bis(2-ethylhexyl) phthalate	149	10.393	10.393	0.000	90	807522	1000.0	1121.3	
100 Di-n-octyl phthalate	149	11.055	11.055	0.000	98	1297051	1000.0	1186.6	
101 Benzo[b]fluoranthene	252	11.424	11.424	0.000	92	1020232	1000.0	1115.5	
102 Benzofluoranthene	252	11.456	11.456	0.000	1	2153421	2000.0	2122.5	
103 Benzo[k]fluoranthene	252	11.456	11.456	0.000	98	1169985	1000.0	1055.6	
104 Benzo[a]pyrene	252	11.792	11.792	0.000	75	934286	1000.0	1110.2	
105 Indeno[1,2,3-cd]pyrene	276	13.165	13.165	0.000	97	893927	1000.0	1066.5	
106 Dibenz(a,h)anthracene	278	13.208	13.208	0.000	1	937866	1000.0	1039.2	
107 Benzo[g,h,i]perylene	276	13.496	13.496	0.000	92	1097303	1000.0	1051.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 28-Jan-2022 17:06:51 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A13_.D

Injection Date: 24-Jan-2022 18:14:30 Instrument ID: TAC051

Lims ID: STD7IS

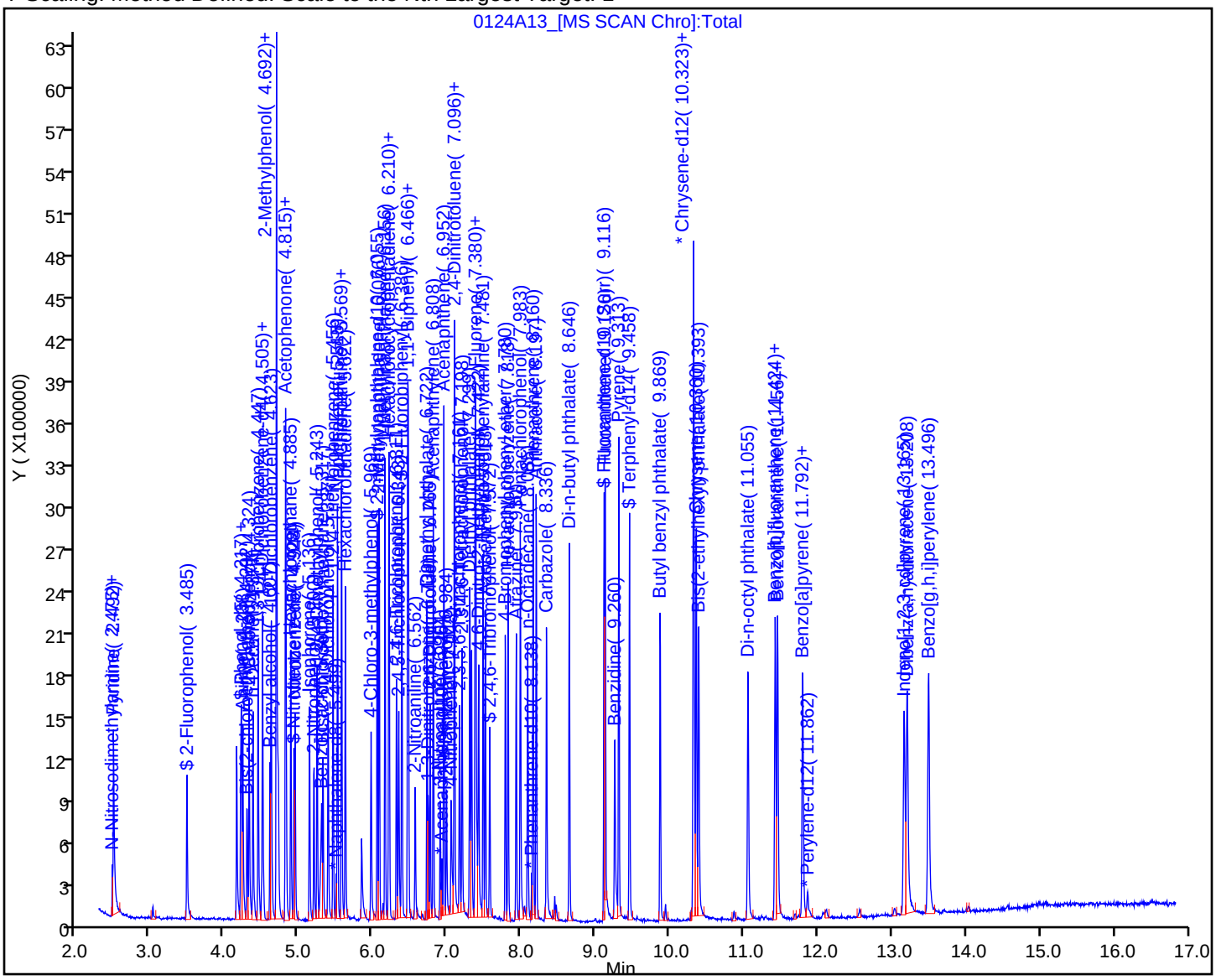
Client ID:

Operator ID: TL ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

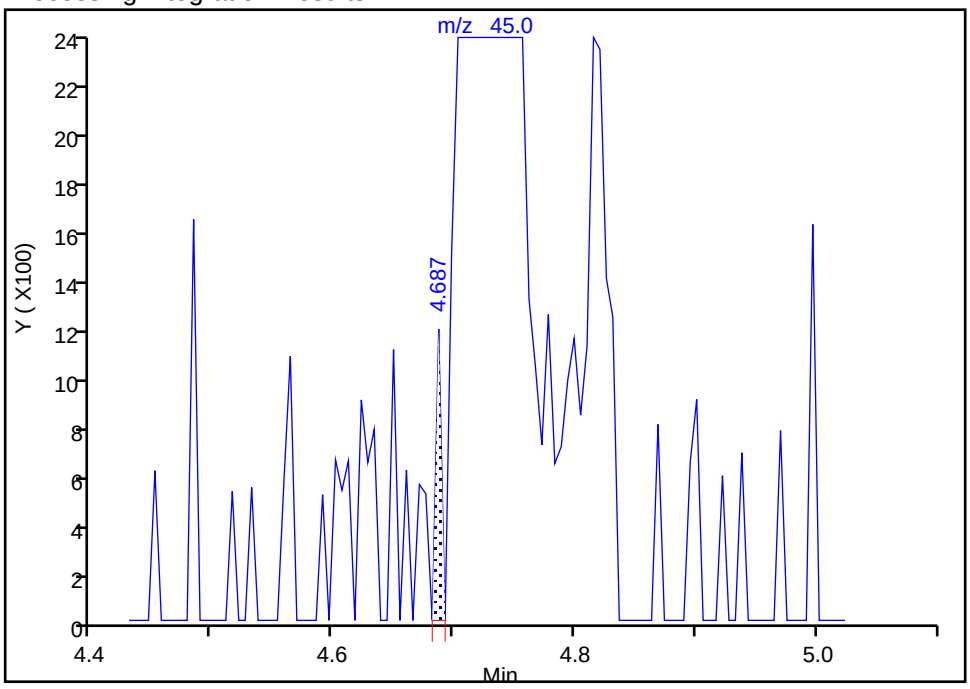
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A13_.D
Injection Date: 24-Jan-2022 18:14:30 Instrument ID: TAC051
Lims ID: STD7IS
Client ID:
Operator ID: TL ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

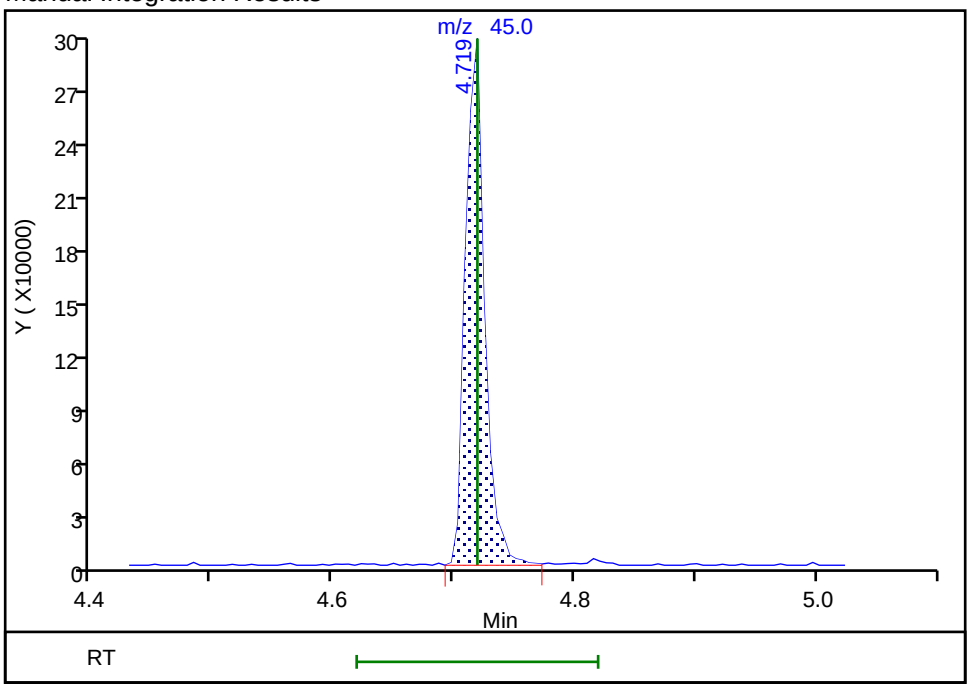
Processing Integration Results

RT: 4.69
Area: 373
Amount: 1.322296
Amount Units: ug/L



Manual Integration Results

RT: 4.72
Area: 323494
Amount: 1017.3169
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:42:49
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

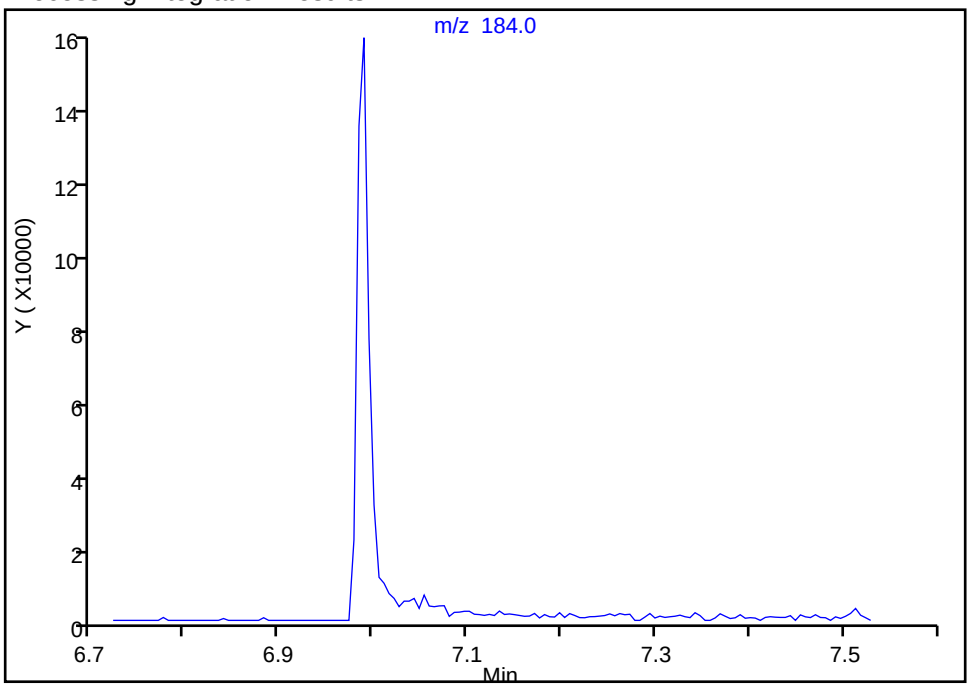
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A13_.D
Injection Date: 24-Jan-2022 18:14:30 Instrument ID: TAC051
Lims ID: STD7IS
Client ID:
Operator ID: TL ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

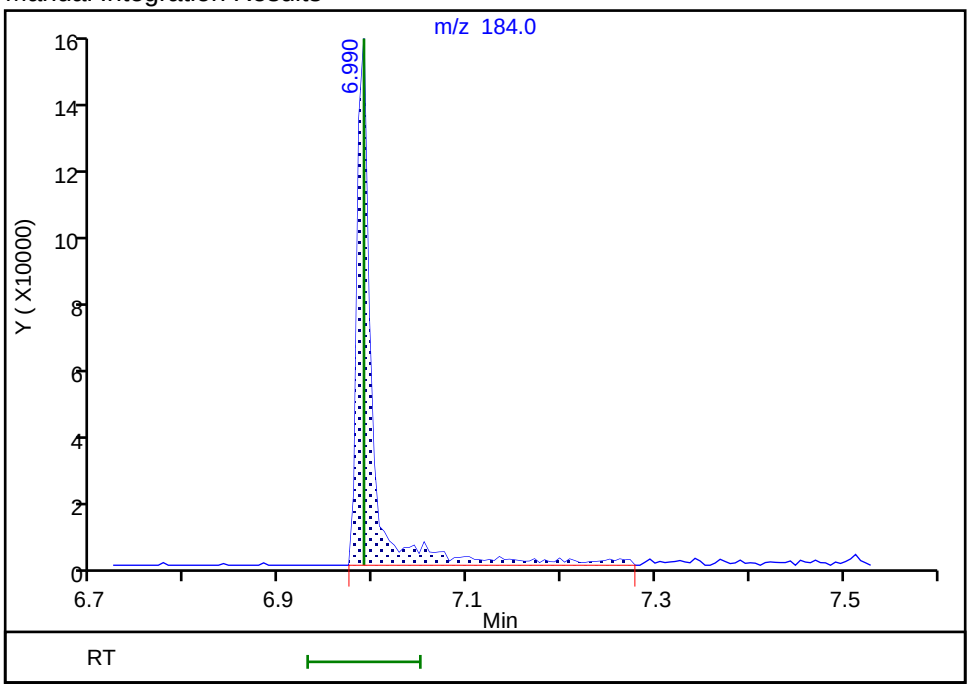
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 6.99
Area: 179184
Amount: 1863.7065
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:40:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D
Lims ID: STD6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 24-Jan-2022 18:37:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 6
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:06:54 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:04:23

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.489	4.489	0.000	77	32296	100.0	100.0	
* 2 Naphthalene-d8	136	5.499	5.499	0.000	95	117277	100.0	100.0	
* 3 Acenaphthene-d10	164	6.925	6.925	0.000	63	63105	100.0	100.0	
* 4 Phenanthrene-d10	188	8.138	8.138	0.000	90	99516	100.0	100.0	
* 5 Chrysene-d12	240	10.334	10.334	0.000	65	72049	100.0	100.0	
* 6 Perylene-d12	264	11.861	11.862	-0.001	92	83791	100.0	100.0	
$ 7 2-Fluorophenol	112	3.485	3.485	0.000	83	148046	500.0	496.1	
$ 8 Phenol-d5	99	4.212	4.212	0.000	97	176312	500.0	529.2	
$ 9 Nitrobenzene-d5	82	4.927	4.928	-0.001	86	141521	500.0	507.0	
$ 10 2-methylnaphthalene-d10	152	6.055	6.055	0.000	0	350565	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.386	6.386	0.000	98	429162	500.0	511.5	
$ 12 2,4,6-Tribromophenol	330	7.572	7.572	0.000	77	64213	500.0	497.3	
$ 13 Fluoranthene-d10 (Surr)	212	9.116	9.116	0.000	0	499979	NC	NC	
$ 14 Terphenyl-d14	244	9.457	9.458	-0.001	99	367653	500.0	493.3	
15 1,4-Dioxane	88	2.342	2.353	-0.011	1	3096	NC	NC	
16 N-Nitrosodimethylamine	74	2.481	2.475	0.006	72	64929	500.0	500.8	
17 Pyridine	79	2.491	2.492	-0.001	87	235103	1000.0	1028.6	
19 Phenol	94	4.217	4.222	-0.005	94	172626	500.0	532.2	
18 Aniline	93	4.238	4.238	0.000	31	198182	500.0	492.1	
20 Bis(2-chloroethyl)ether	93	4.297	4.297	0.000	96	137086	500.0	491.4	
21 2-Chlorophenol	128	4.324	4.324	0.000	79	202159	500.0	517.1	
22 n-Decane	57	4.377	4.377	0.000	85	122949	500.0	482.0	
23 1,3-Dichlorobenzene	146	4.447	4.447	0.000	96	245696	500.0	527.8	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	96	249973	500.0	494.7	
26 Benzyl alcohol	79	4.607	4.607	0.000	91	97253	500.0	495.0	
27 1,2-Dichlorobenzene	146	4.623	4.623	0.000	96	232869	500.0	492.1	
28 2-Methylphenol	108	4.692	4.692	0.000	52	137592	500.0	507.6	
29 2,2'-oxybis[1-chloropropane]	45	4.719	4.719	0.000	49	164087	500.0	523.6	a
30 Acetophenone	105	4.810	4.810	0.000	94	206406	500.0	504.7	
31 N-Nitrosodi-n-propylamine	70	4.815	4.815	0.000	79	87483	500.0	543.5	
32 3 & 4 Methylphenol	108	4.821	4.821	-0.001	86	148354	500.0	528.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.885	4.885	0.000	91	94896	500.0	517.8	
34 Nitrobenzene	77	4.943	4.944	-0.001	84	136174	500.0	501.5	
35 Isophorone	82	5.136	5.136	0.000	94	243865	500.0	513.1	
36 2-Nitrophenol	139	5.200	5.200	0.000	83	104101	500.0	518.8	
37 2,4-Dimethylphenol	107	5.243	5.243	0.000	91	166463	500.0	520.0	
39 Benzoic acid	105	5.285	5.301	-0.016	32	153546	1000.0	921.3	a
38 Bis(2-chloroethoxy)methane	93	5.323	5.323	0.000	92	154553	500.0	518.3	
40 2,4-Dichlorophenol	162	5.387	5.392	-0.005	87	149458	500.0	489.9	
41 1,2,4-Trichlorobenzene	180	5.456	5.456	0.000	91	182921	500.0	510.1	
42 Naphthalene	128	5.515	5.515	0.000	96	601332	500.0	506.3	
43 4-Chloroaniline	127	5.568	5.569	-0.001	82	193225	500.0	484.1	
44 2,6-Dichlorophenol	162	5.568	5.574	-0.006	89	166011	500.0	507.4	
45 Hexachlorobutadiene	225	5.622	5.622	0.000	93	105181	500.0	494.1	
46 4-Chloro-3-methylphenol	107	5.969	5.969	0.000	88	113656	500.0	483.4	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	80	387051	500.0	506.6	
48 1-Methylnaphthalene	142	6.156	6.156	0.000	88	373656	500.0	514.9	
49 Hexachlorocyclopentadiene	237	6.209	6.210	-0.001	83	117382	500.0	527.2	
50 1,2,4,5-Tetrachlorobenzene	216	6.215	6.215	0.000	94	174594	500.0	520.0	
52 2,4,6-Trichlorophenol	196	6.311	6.311	0.000	87	99357	500.0	506.2	
53 2,4,5-Trichlorophenol	196	6.343	6.343	0.000	93	104475	500.0	475.9	
54 1,1'-Biphenyl	154	6.461	6.461	0.000	93	463771	500.0	506.6	
55 2-Chloronaphthalene	162	6.471	6.471	0.000	96	362290	500.0	503.9	
56 2-Nitroaniline	138	6.567	6.568	-0.001	89	88071	500.0	475.4	
57 Dimethyl phthalate	163	6.722	6.722	0.000	99	401664	500.0	539.8	
58 1,3-Dinitrobenzene	168	6.744	6.744	0.000	59	45162	500.0	481.6	
59 2,6-Dinitrotoluene	165	6.765	6.765	0.000	72	82381	500.0	466.3	
60 Acenaphthylene	152	6.808	6.808	0.000	90	554434	500.0	515.5	
61 3-Nitroaniline	138	6.904	6.904	0.000	87	70570	500.0	441.5	
62 Acenaphthene	153	6.952	6.952	0.000	91	370859	500.0	502.2	
63 2,4-Dinitrophenol	184	6.989	6.990	-0.001	69	54667	1000.0	881.1	a
64 4-Nitrophenol	109	7.059	7.048	0.011	81	42833	1000.0	1132.1	
65 2,4-Dinitrotoluene	165	7.091	7.096	-0.005	61	106809	500.0	484.9	
66 Dibenzofuran	168	7.096	7.096	0.000	89	515973	500.0	549.6	
51 2,3,5,6-Tetrachlorophenol	232	7.166	7.166	0.000	80	71880	500.0	468.3	
67 2,3,4,6-Tetrachlorophenol	232	7.198	7.198	0.000	70	95647	500.0	518.8	
68 Diethyl phthalate	149	7.299	7.299	0.000	97	421303	500.0	515.0	
69 Fluorene	166	7.374	7.374	0.000	92	412279	500.0	551.8	
70 4-Chlorophenyl phenyl ether	204	7.385	7.385	0.000	90	183042	500.0	532.2	
71 4-Nitroaniline	138	7.401	7.401	0.000	42	88921	500.0	559.1	M
72 4,6-Dinitro-2-methylphenol	198	7.422	7.422	0.000	82	85170	1000.0	833.0	
73 N-Nitrosodiphenylamine	169	7.481	7.481	0.000	59	285250	500.0	540.0	
74 Azobenzene	77	7.513	7.513	0.000	94	264123	500.0	483.2	
75 4-Bromophenyl phenyl ether	248	7.785	7.786	-0.001	54	100310	500.0	458.4	
76 Hexachlorobenzene	284	7.817	7.818	-0.001	85	115710	500.0	449.9	
77 Atrazine	200	7.930	7.930	0.000	91	105144	500.0	506.1	
78 Pentachlorophenol	266	7.988	7.983	0.005	84	123396	1000.0	956.5	
79 n-Octadecane	57	8.085	8.085	0.000	90	145763	500.0	461.1	
80 Phenanthrene	178	8.159	8.160	0.000	96	544462	500.0	477.5	
81 Anthracene	178	8.197	8.197	0.000	96	525427	500.0	447.6	
83 Carbazole	167	8.336	8.336	0.000	82	453282	500.0	505.1	
84 Di-n-butyl phthalate	149	8.645	8.646	-0.001	99	619421	500.0	428.5	
85 Fluoranthene	202	9.126	9.132	-0.006	96	544870	500.0	448.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.260	9.260	0.000	94	221350	1000.0	841.5	
89 Pyrene	202	9.313	9.313	0.000	96	573415	500.0	458.3	
94 Butyl benzyl phthalate	149	9.869	9.869	0.000	92	254853	500.0	490.8	
96 3,3'-Dichlorobenzidine	252	10.323	10.318	0.005	54	318110	1000.0	1100.1	
97 Benzo[a]anthracene	228	10.323	10.323	0.000	98	484681	500.0	535.1	
99 Chrysene	228	10.355	10.360	-0.005	93	507398	500.0	520.8	
98 Bis(2-ethylhexyl) phthalate	149	10.392	10.393	0.000	77	364738	500.0	549.7	
100 Di-n-octyl phthalate	149	11.055	11.055	0.000	97	564577	500.0	508.9	
101 Benzo[b]fluoranthene	252	11.423	11.424	-0.001	91	466400	500.0	503.7	
102 Benzofluoranthene	252	11.455	11.456	-0.001	1	1028183	1000.0	998.5	a
103 Benzo[k]fluoranthene	252	11.455	11.456	-0.001	96	595047	500.0	529.0	
104 Benzo[a]pyrene	252	11.797	11.792	0.005	73	424087	500.0	499.2	
105 Indeno[1,2,3-cd]pyrene	276	13.165	13.165	0.000	92	387093	500.0	460.7	
106 Dibenz(a,h)anthracene	278	13.208	13.208	0.000	1	456625	500.0	505.8	
107 Benzo[g,h,i]perylene	276	13.496	13.496	0.000	91	480002	500.0	449.5	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

ccv_8270_1000_00057	Amount Added: 500.00	Units: uL
8270SIM_IS_00069	Amount Added: 5.00	Units: uL

Report Date: 28-Jan-2022 17:06:55 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D

Injection Date: 24-Jan-2022 18:37:30 Instrument ID: TAC051

Lims ID: STD6

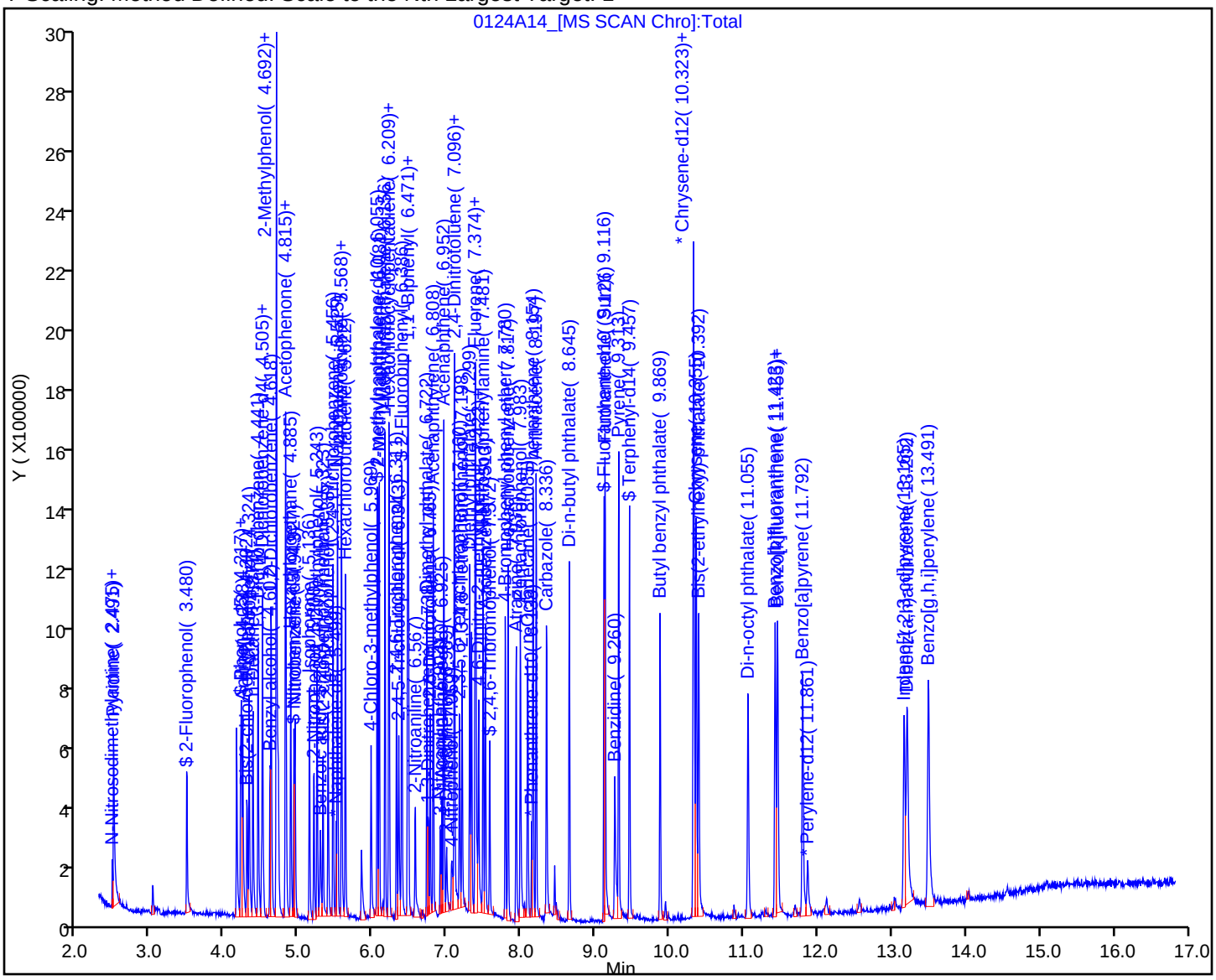
Client ID:

Operator ID: TL ALS Bottle#: 8 Worklist Smp#: 8

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

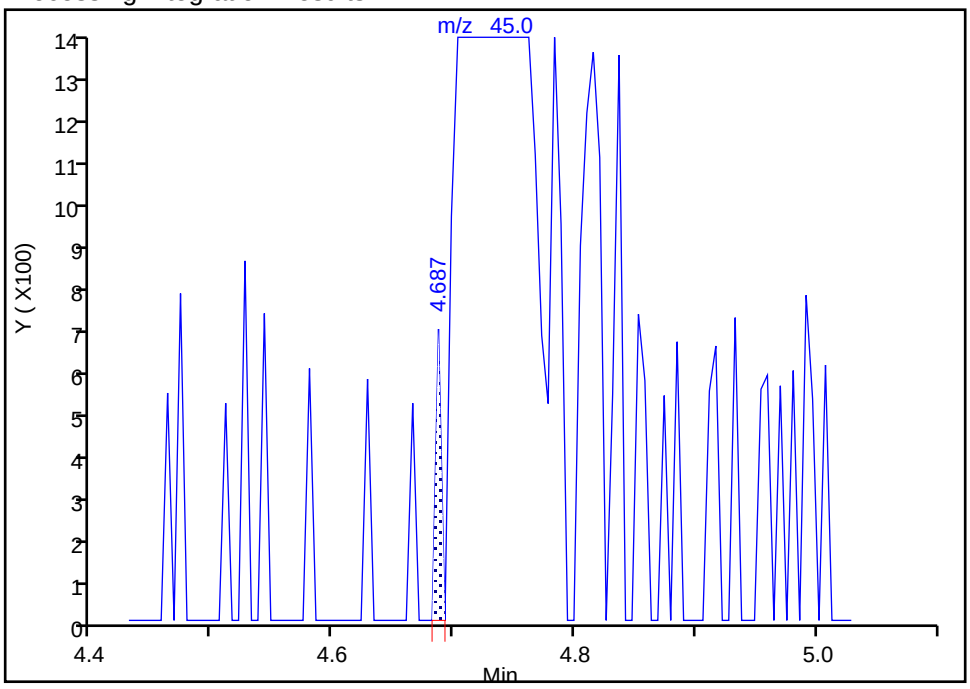
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D
Injection Date: 24-Jan-2022 18:37:30 Instrument ID: TAC051
Lims ID: STD6
Client ID:
Operator ID: TL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

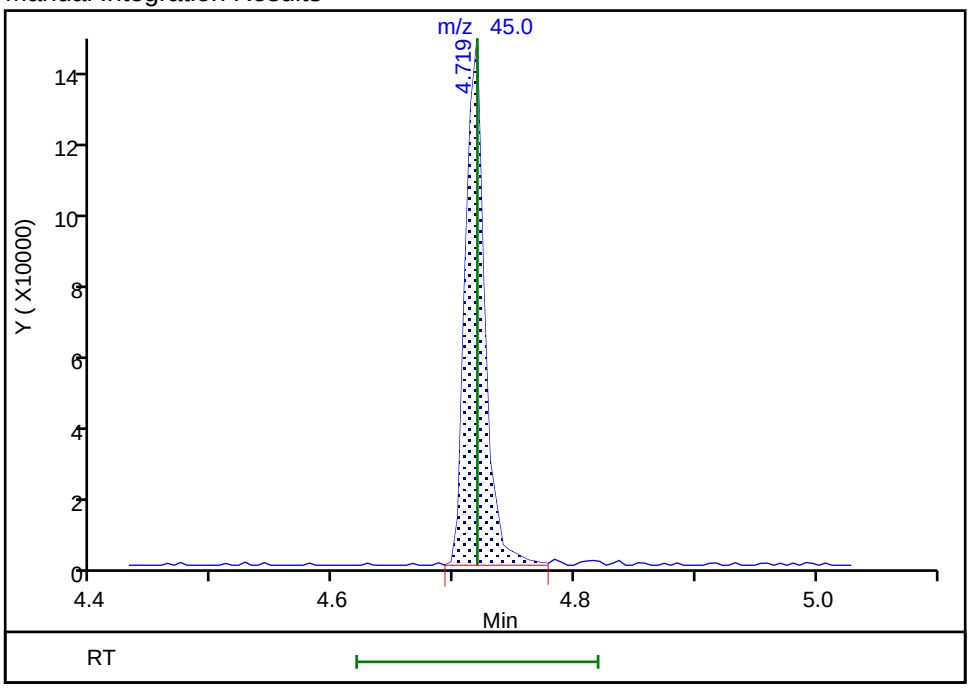
Processing Integration Results

RT: 4.69
Area: 221
Amount: 0.914772
Amount Units: ug/L



Manual Integration Results

RT: 4.72
Area: 164087
Amount: 523.5907
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:41:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

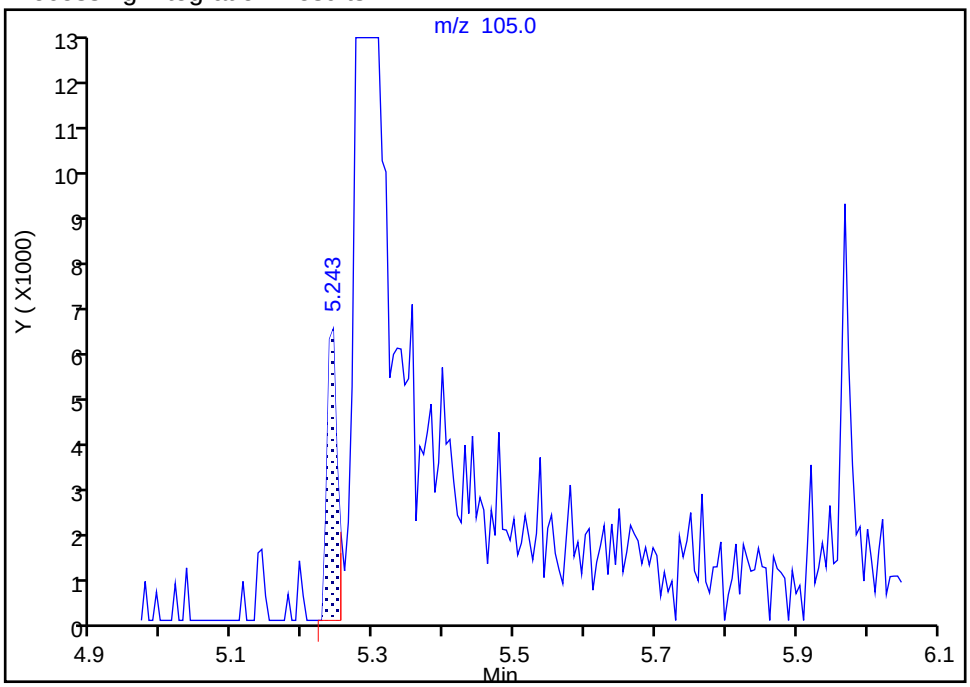
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D
Injection Date: 24-Jan-2022 18:37:30 Instrument ID: TAC051
Lims ID: STD6
Client ID:
Operator ID: TL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

39 Benzoic acid, CAS: 65-85-0

Signal: 1

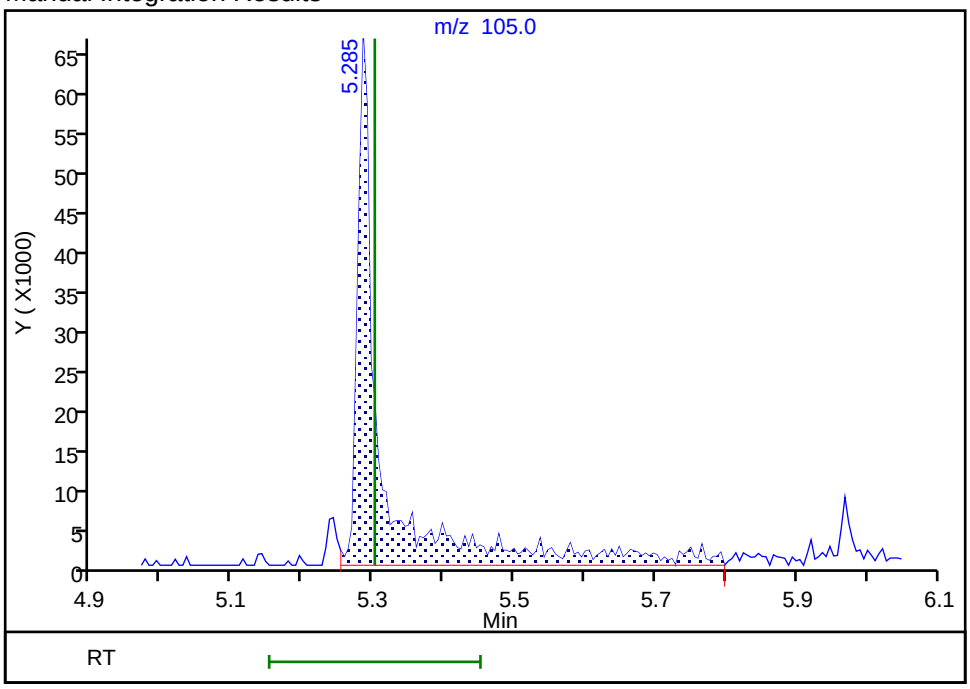
RT: 5.24
Area: 6130
Amount: 305.7118
Amount Units: ug/L

Processing Integration Results



Manual Integration Results

RT: 5.29
Area: 153546
Amount: 921.2654
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:55:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

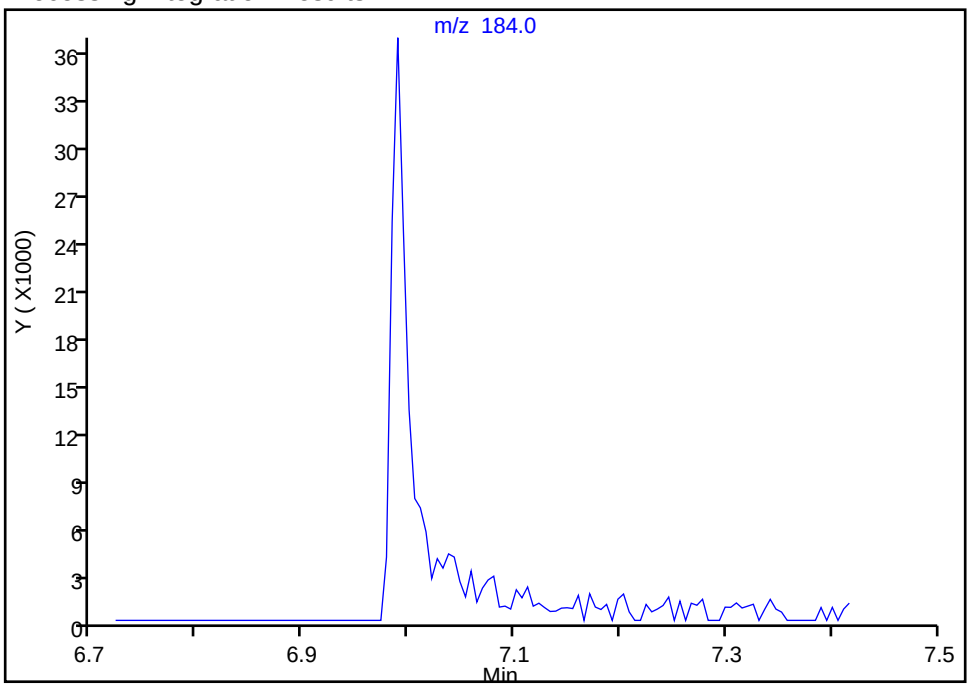
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D
Injection Date: 24-Jan-2022 18:37:30 Instrument ID: TAC051
Lims ID: STD6
Client ID:
Operator ID: TL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

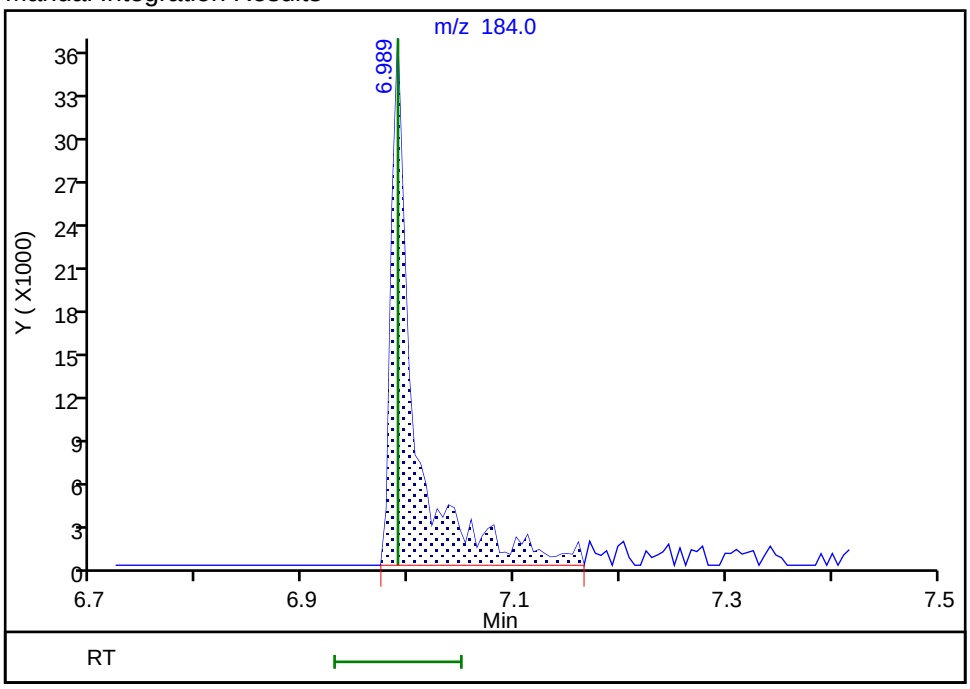
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 6.99
Area: 54667
Amount: 881.1253
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:43:06
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

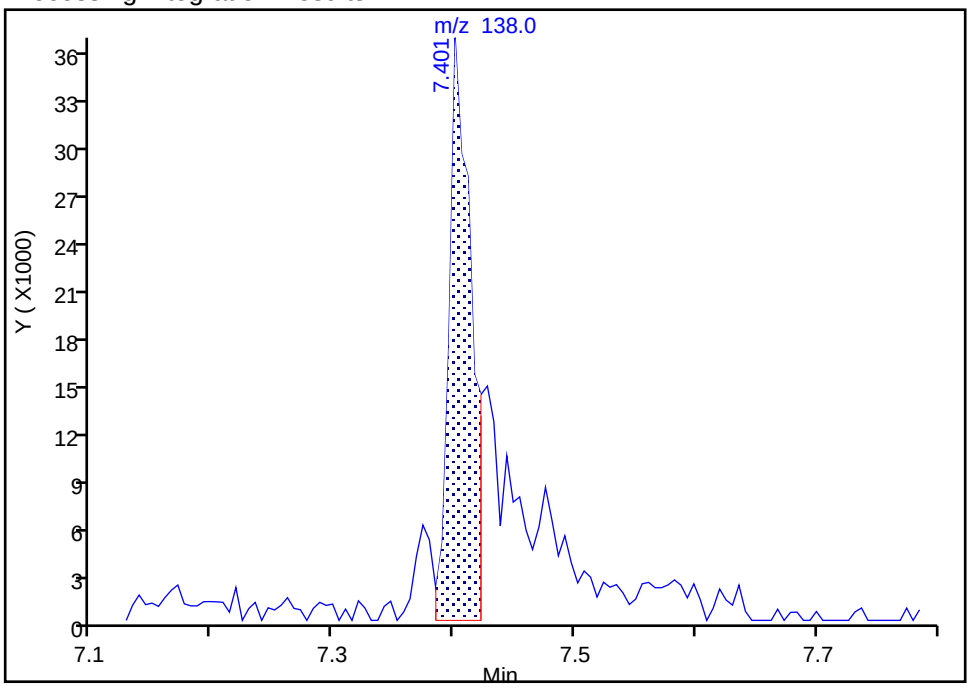
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D
Injection Date: 24-Jan-2022 18:37:30 Instrument ID: TAC051
Lims ID: STD6
Client ID:
Operator ID: TL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

71 4-Nitroaniline, CAS: 100-01-6

Signal: 1

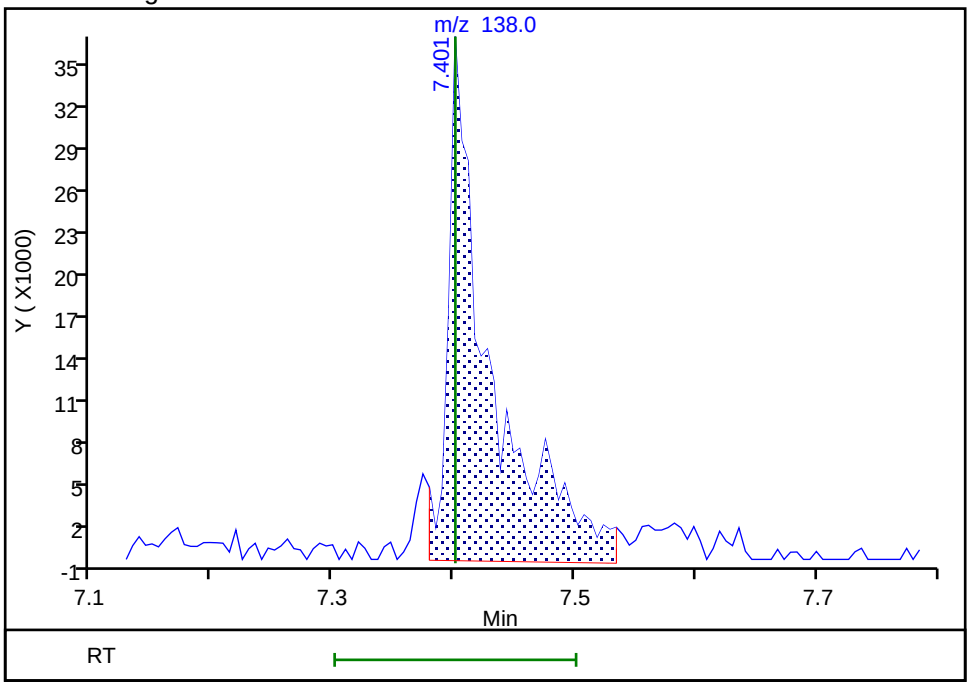
Processing Integration Results

RT: 7.40
Area: 47484
Amount: 353.2815
Amount Units: ug/L



Manual Integration Results

RT: 7.40
Area: 88921
Amount: 559.0838
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:41:49
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

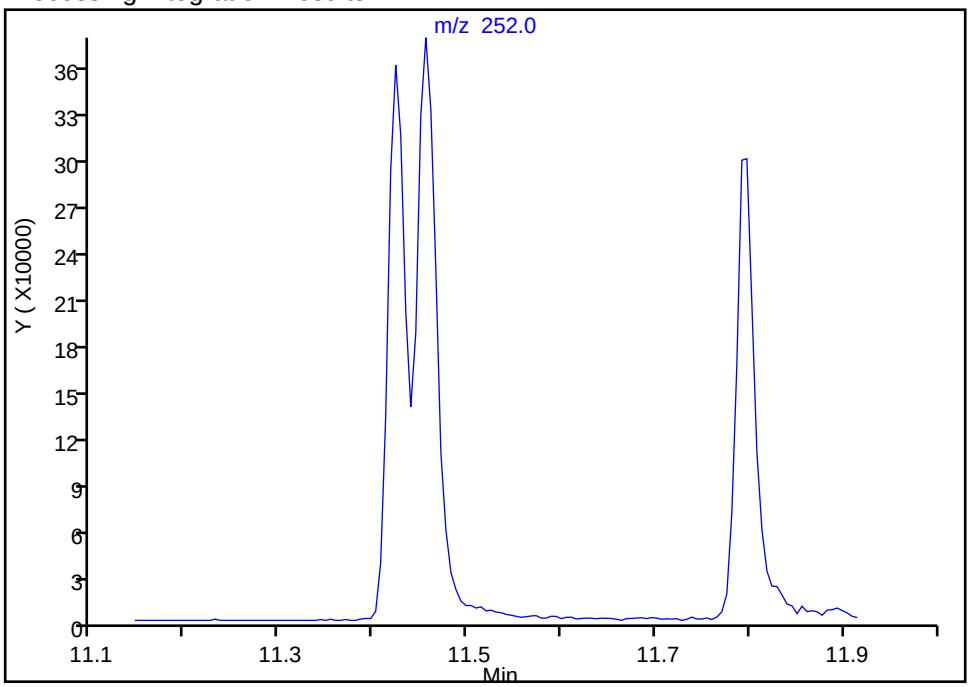
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A14_.D
Injection Date: 24-Jan-2022 18:37:30 Instrument ID: TAC051
Lims ID: STD6
Client ID:
Operator ID: TL ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

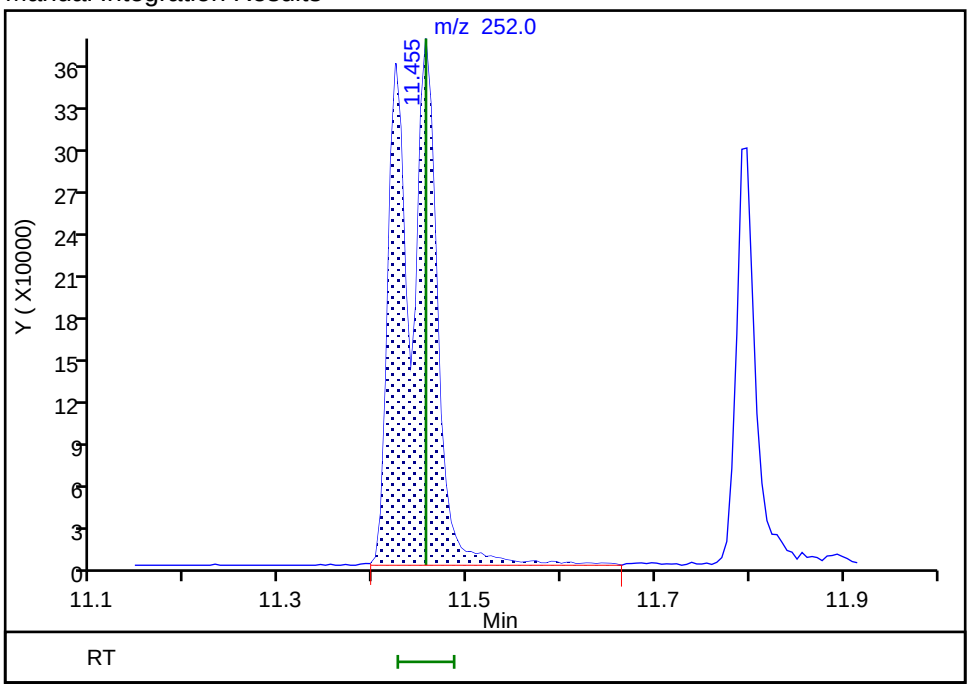
Not Detected
Expected RT: 11.46

Processing Integration Results



Manual Integration Results

RT: 11.46
Area: 1028183
Amount: 998.5467
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:43:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Lims ID: STD5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 24-Jan-2022 19:00:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 5
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:06:58 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:05:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.490	4.489	0.001	85	32997	100.0	100.0	
* 2 Naphthalene-d8	136	5.500	5.499	0.001	96	121550	100.0	100.0	
* 3 Acenaphthene-d10	164	6.926	6.925	0.001	84	60644	100.0	100.0	
* 4 Phenanthrene-d10	188	8.139	8.138	0.001	95	90840	100.0	100.0	
* 5 Chrysene-d12	240	10.335	10.334	0.001	94	73238	100.0	100.0	
* 6 Perylene-d12	264	11.863	11.862	0.001	90	75942	100.0	100.0	
$ 7 2-Fluorophenol	112	3.481	3.485	-0.004	85	53560	200.0	178.7	
$ 8 Phenol-d5	99	4.207	4.212	-0.005	95	67732	200.0	198.0	
$ 9 Nitrobenzene-d5	82	4.928	4.928	0.000	86	59203	200.0	204.6	
$ 10 2-methylnaphthalene-d10	152	6.056	6.055	0.001	0	135098	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.387	6.386	0.001	92	161393	200.0	200.1	
$ 12 2,4,6-Tribromophenol	330	7.573	7.572	0.001	54	21181	200.0	204.7	
$ 13 Fluoranthene-d10 (Surr)	212	9.117	9.116	0.001	0	188621	NC	NC	
$ 14 Terphenyl-d14	244	9.459	9.458	0.001	95	137870	200.0	202.6	
16 N-Nitrosodimethylamine	74	2.487	2.475	0.012	60	17806	200.0	152.1	
17 Pyridine	79	2.503	2.492	0.011	89	86665	400.0	406.3	
19 Phenol	94	4.218	4.222	-0.004	93	69263	200.0	209.0	
18 Aniline	93	4.239	4.238	0.001	7	78860	200.0	195.2	a
20 Bis(2-chloroethyl)ether	93	4.293	4.297	-0.004	91	58726	200.0	206.1	
21 2-Chlorophenol	128	4.325	4.324	0.001	70	81754	200.0	204.7	
22 n-Decane	57	4.373	4.377	-0.004	85	54478	200.0	209.0	
23 1,3-Dichlorobenzene	146	4.442	4.447	-0.005	95	97247	200.0	204.5	
25 1,4-Dichlorobenzene	146	4.506	4.505	0.001	87	105751	200.0	204.8	
26 Benzyl alcohol	79	4.608	4.607	0.001	87	35194	200.0	180.1	
27 1,2-Dichlorobenzene	146	4.619	4.623	-0.004	96	96909	200.0	200.4	
28 2-Methylphenol	108	4.693	4.692	0.001	53	56341	200.0	203.4	
29 2,2'-oxybis[1-chloropropane]	45	4.720	4.719	0.001	48	66159	200.0	206.6	a
30 Acetophenone	105	4.811	4.810	0.001	94	83766	200.0	200.5	
31 N-Nitrosodi-n-propylamine	70	4.816	4.815	0.001	75	31256	200.0	190.1	
32 3 & 4 Methylphenol	108	4.816	4.821	-0.005	72	52732	200.0	187.7	
33 Hexachloroethane	117	4.886	4.885	0.001	85	35842	200.0	191.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.944	4.944	0.000	80	51366	200.0	190.7	
35 Isophorone	82	5.137	5.136	0.001	92	89634	200.0	184.6	
36 2-Nitrophenol	139	5.196	5.200	-0.004	80	40815	200.0	200.8	
37 2,4-Dimethylphenol	107	5.244	5.243	0.001	92	68752	200.0	213.0	
39 Benzoic acid	105	5.286	5.301	-0.015	48	26059	400.0	431.2	a
38 Bis(2-chloroethoxy)methane	93	5.318	5.323	-0.005	95	61943	200.0	203.3	
40 2,4-Dichlorophenol	162	5.388	5.392	-0.004	87	56883	200.0	190.4	
41 1,2,4-Trichlorobenzene	180	5.457	5.456	0.001	91	77442	200.0	208.3	
42 Naphthalene	128	5.516	5.515	0.001	94	245615	200.0	196.3	
43 4-Chloroaniline	127	5.570	5.569	0.001	80	74339	200.0	195.3	
44 2,6-Dichlorophenol	162	5.570	5.574	-0.004	89	55696	200.0	179.6	
45 Hexachlorobutadiene	225	5.623	5.622	0.001	89	42285	200.0	191.7	
46 4-Chloro-3-methylphenol	107	5.970	5.969	0.001	79	33119	200.0	172.7	
47 2-Methylnaphthalene	142	6.077	6.081	-0.004	86	155926	200.0	196.9	
48 1-Methylnaphthalene	142	6.157	6.156	0.001	90	148970	200.0	198.1	
49 Hexachlorocyclopentadiene	237	6.205	6.210	-0.005	87	40776	200.0	190.6	
50 1,2,4,5-Tetrachlorobenzene	216	6.216	6.215	0.001	88	64685	200.0	195.0	
52 2,4,6-Trichlorophenol	196	6.317	6.311	0.006	70	29422	200.0	177.5	
53 2,4,5-Trichlorophenol	196	6.344	6.343	0.001	73	32672	200.0	184.7	
54 1,1'-Biphenyl	154	6.462	6.461	0.001	93	177997	200.0	202.3	
55 2-Chloronaphthalene	162	6.472	6.471	0.001	96	135219	200.0	195.7	
56 2-Nitroaniline	138	6.568	6.568	0.000	79	23895	200.0	178.0	
57 Dimethyl phthalate	163	6.723	6.722	0.001	98	148612	200.0	205.7	
58 1,3-Dinitrobenzene	168	6.745	6.744	0.001	1	10104	200.0	203.1	
59 2,6-Dinitrotoluene	165	6.771	6.765	0.006	51	27022	200.0	181.1	
60 Acenaphthylene	152	6.809	6.808	0.001	85	207743	200.0	198.4	
61 3-Nitroaniline	138	6.910	6.904	0.006	57	26552	200.0	217.4	M
62 Acenaphthene	153	6.953	6.952	0.001	90	142603	200.0	200.9	
63 2,4-Dinitrophenol	184	7.001	6.990	0.011	25	6927	400.0	487.5	a
64 4-Nitrophenol	109	7.103	7.048	0.055	1	11059	400.0	878.4	
65 2,4-Dinitrotoluene	165	7.097	7.096	0.001	49	30925	200.0	187.9	
66 Dibenzofuran	168	7.097	7.096	0.001	86	187239	200.0	207.5	
51 2,3,5,6-Tetrachlorophenol	232	7.167	7.166	0.001	58	23023	200.0	183.4	
67 2,3,4,6-Tetrachlorophenol	232	7.199	7.198	0.001	65	29903	200.0	186.3	
68 Diethyl phthalate	149	7.300	7.299	0.001	96	153267	200.0	195.0	
69 Fluorene	166	7.375	7.374	0.001	91	158527	200.0	220.8	
70 4-Chlorophenyl phenyl ether	204	7.386	7.385	0.001	88	67522	200.0	204.3	
71 4-Nitroaniline	138	7.418	7.401	0.017	42	30141	200.0	239.3	M
72 4,6-Dinitro-2-methylphenol	198	7.423	7.422	0.001	71	20055	400.0	350.0	
73 N-Nitrosodiphenylamine	169	7.482	7.481	0.001	53	103990	200.0	215.6	
74 Azobenzene	77	7.514	7.513	0.001	82	100510	200.0	203.7	
75 4-Bromophenyl phenyl ether	248	7.781	7.786	-0.005	62	34670	200.0	179.2	
76 Hexachlorobenzene	284	7.819	7.818	0.001	86	51847	200.0	220.8	
77 Atrazine	200	7.931	7.930	0.001	82	38560	200.0	204.3	
78 Pentachlorophenol	266	7.989	7.983	0.006	68	27618	400.0	343.7	
79 n-Octadecane	57	8.086	8.085	0.001	87	57505	200.0	199.6	
80 Phenanthrene	178	8.155	8.160	-0.004	96	207412	200.0	196.3	
81 Anthracene	178	8.198	8.197	0.001	95	205516	200.0	194.2	
83 Carbazole	167	8.342	8.336	0.006	78	161571	200.0	198.3	
84 Di-n-butyl phthalate	149	8.647	8.646	0.001	98	238202	200.0	177.5	
85 Fluoranthene	202	9.133	9.132	0.001	95	218747	200.0	195.5	
88 Benzidine	184	9.266	9.260	0.006	83	77542	400.0	376.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.314	9.313	0.001	97	218610	200.0	188.6	
94 Butyl benzyl phthalate	149	9.870	9.869	0.001	87	90103	200.0	175.1	
96 3,3'-Dichlorobenzidine	252	10.324	10.318	0.006	41	103543	400.0	368.9	
97 Benzo[a]anthracene	228	10.324	10.323	0.001	98	158668	200.0	175.6	
99 Chrysene	228	10.356	10.360	-0.004	83	190523	200.0	182.8	
98 Bis(2-ethylhexyl) phthalate	149	10.393	10.393	0.001	80	121780	200.0	181.4	
100 Di-n-octyl phthalate	149	11.061	11.055	0.006	93	166908	200.0	166.0	
101 Benzo[b]fluoranthene	252	11.424	11.424	0.000	89	166789	200.0	200.2	
102 Benzofluoranthene	252	11.457	11.456	0.001	1	381511	400.0	408.8	
103 Benzo[k]fluoranthene	252	11.457	11.456	0.001	90	222783	200.0	218.5	
104 Benzo[a]pyrene	252	11.798	11.792	0.006	62	145669	200.0	192.2	
105 Indeno[1,2,3-cd]pyrene	276	13.166	13.165	0.001	97	138112	200.0	187.3	
106 Dibenz(a,h)anthracene	278	13.214	13.208	0.006	1	158200	200.0	202.0	
107 Benzo[g,h,i]perylene	276	13.497	13.496	0.001	85	171922	200.0	178.9	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069	Amount Added: 8.00	Units: uL
ccv_8270_1000_00057	Amount Added: 200.00	Units: uL

Report Date: 28-Jan-2022 17:06:59 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D

Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051

Lims ID: STD5

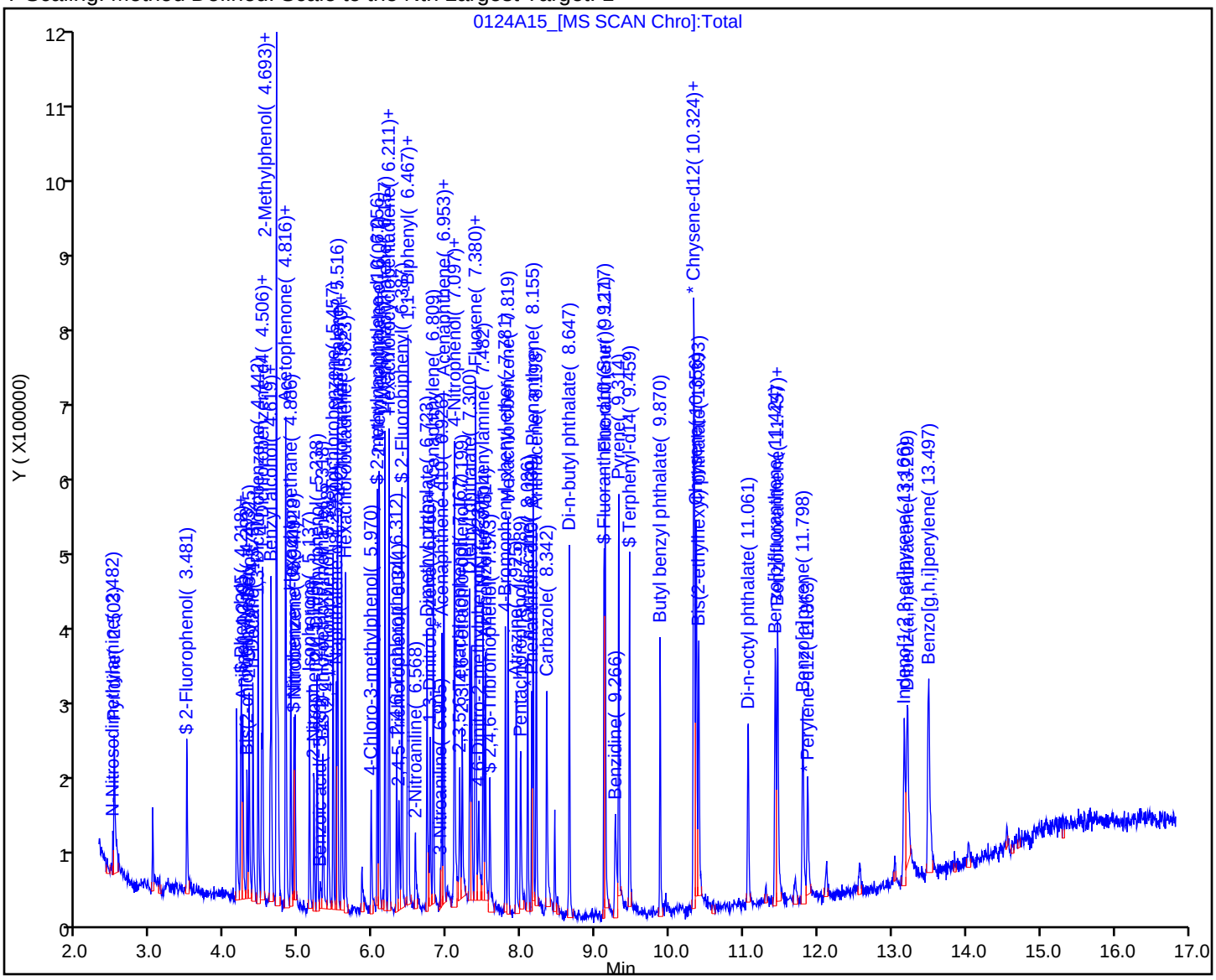
Client ID:

Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

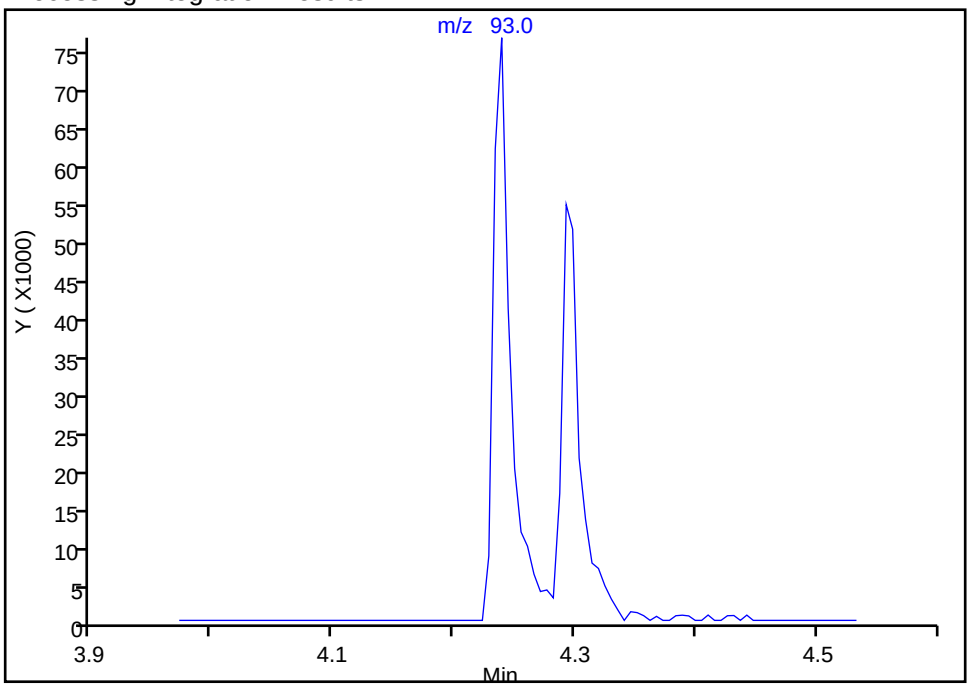
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051
Lims ID: STD5
Client ID:
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Aniline, CAS: 62-53-3

Signal: 1

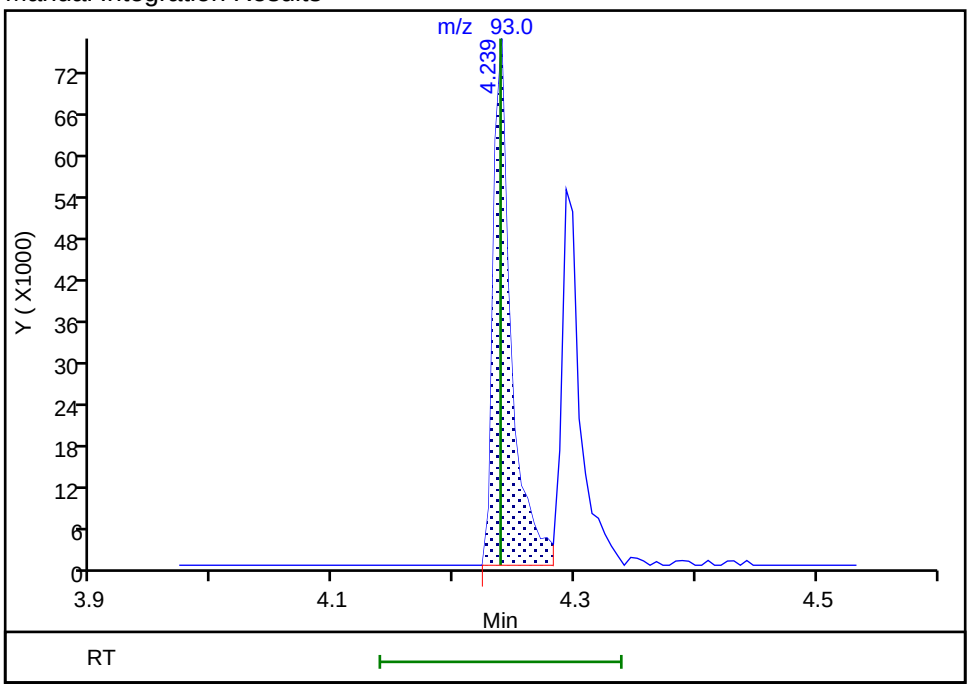
Not Detected
Expected RT: 4.24

Processing Integration Results



Manual Integration Results

RT: 4.24
Area: 78860
Amount: 195.1809
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:55:30
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

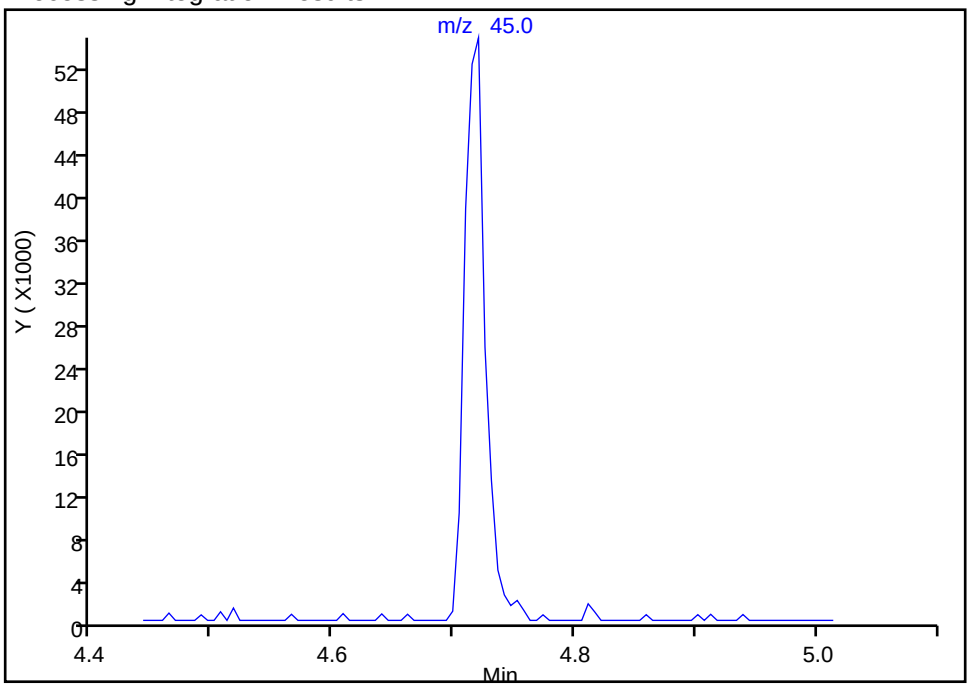
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051
Lims ID: STD5
Client ID:
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

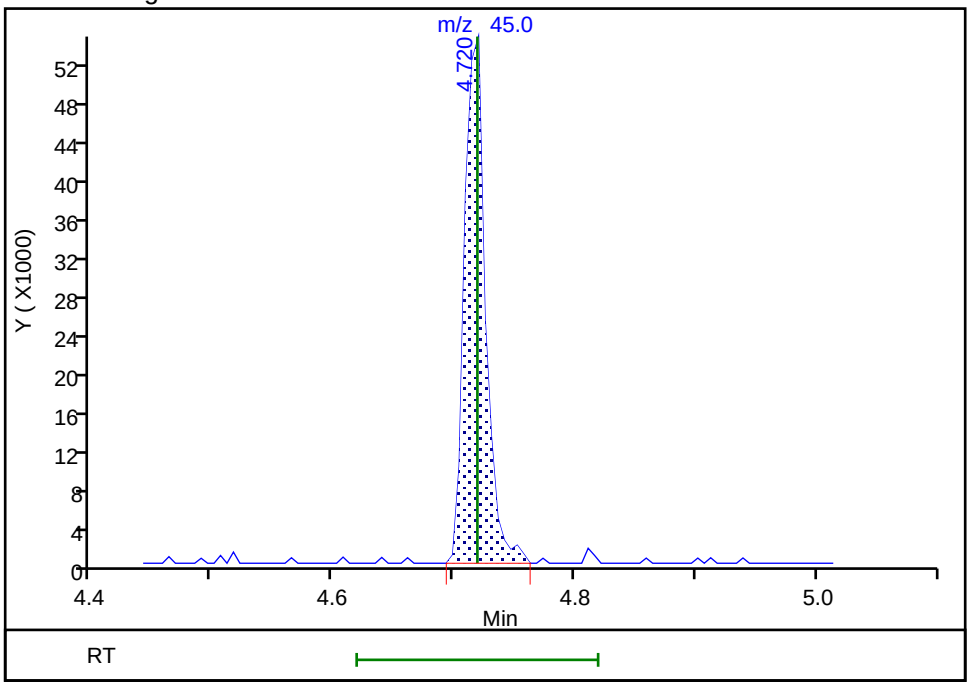
Not Detected
Expected RT: 4.72

Processing Integration Results



Manual Integration Results

RT: 4.72
Area: 66159
Amount: 206.6241
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:55:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

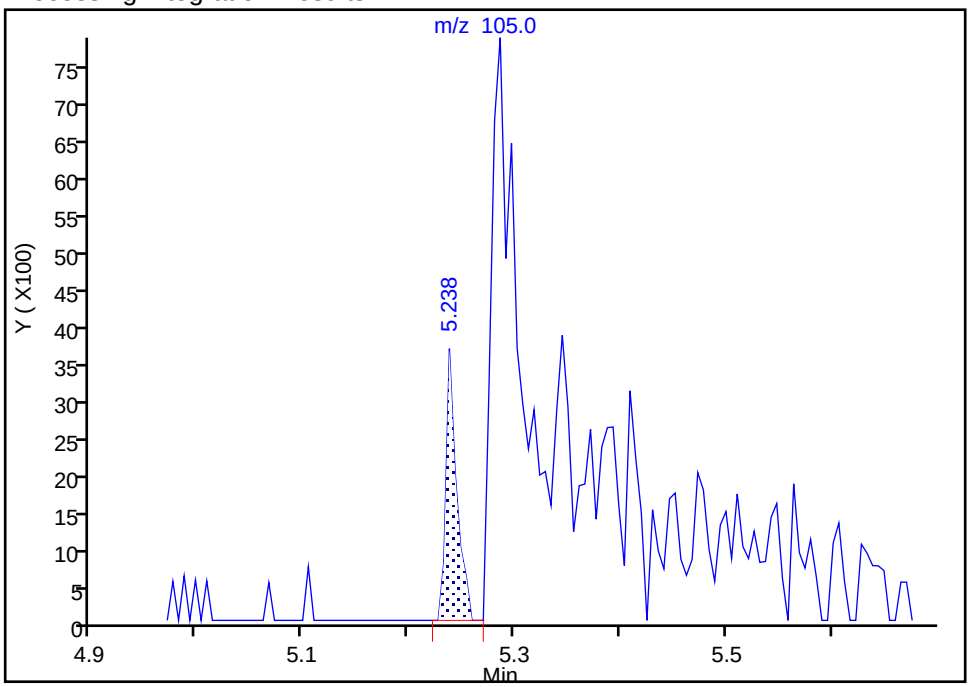
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051
Lims ID: STD5
Client ID:
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

39 Benzoic acid, CAS: 65-85-0

Signal: 1

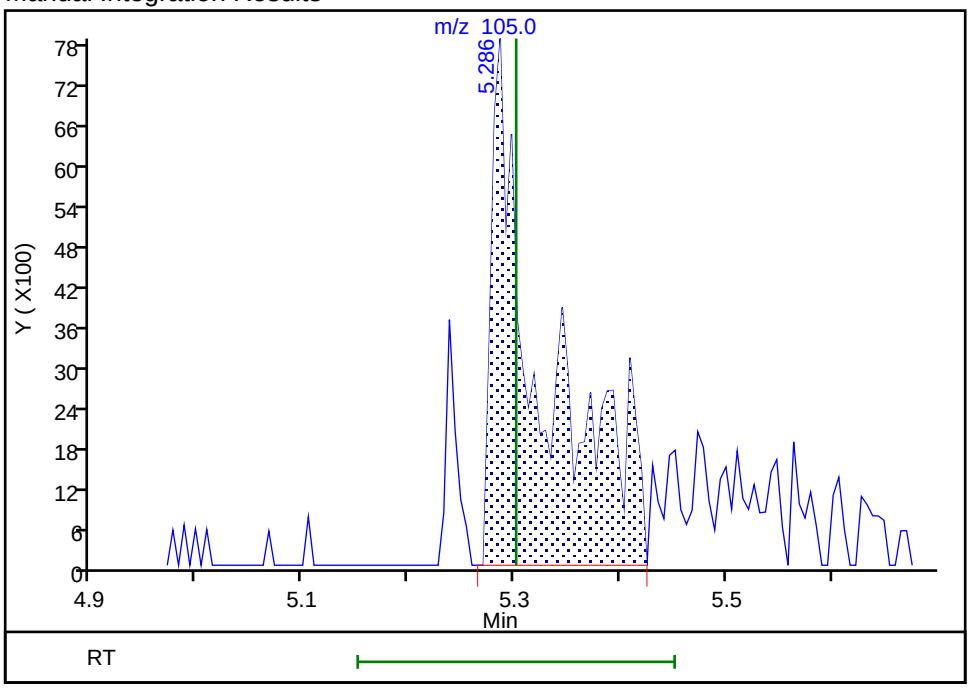
Processing Integration Results

RT: 5.24
Area: 2573
Amount: 325.8262
Amount Units: ug/L



Manual Integration Results

RT: 5.29
Area: 26059
Amount: 431.2288
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:40:14
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Seattle

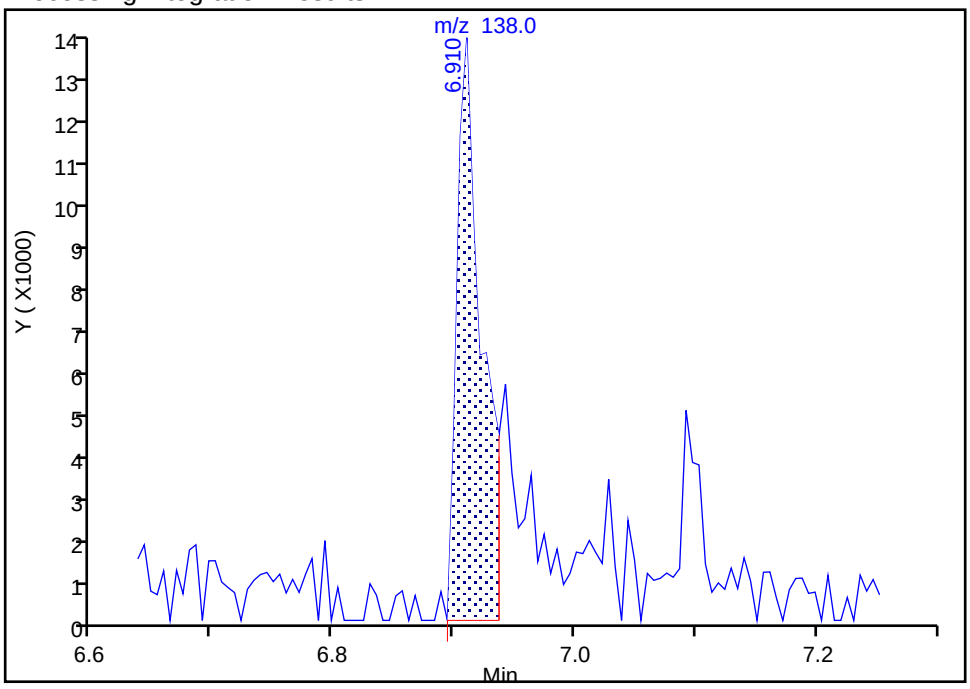
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051
Lims ID: STD5
Client ID:
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

61 3-Nitroaniline, CAS: 99-09-2

Signal: 1

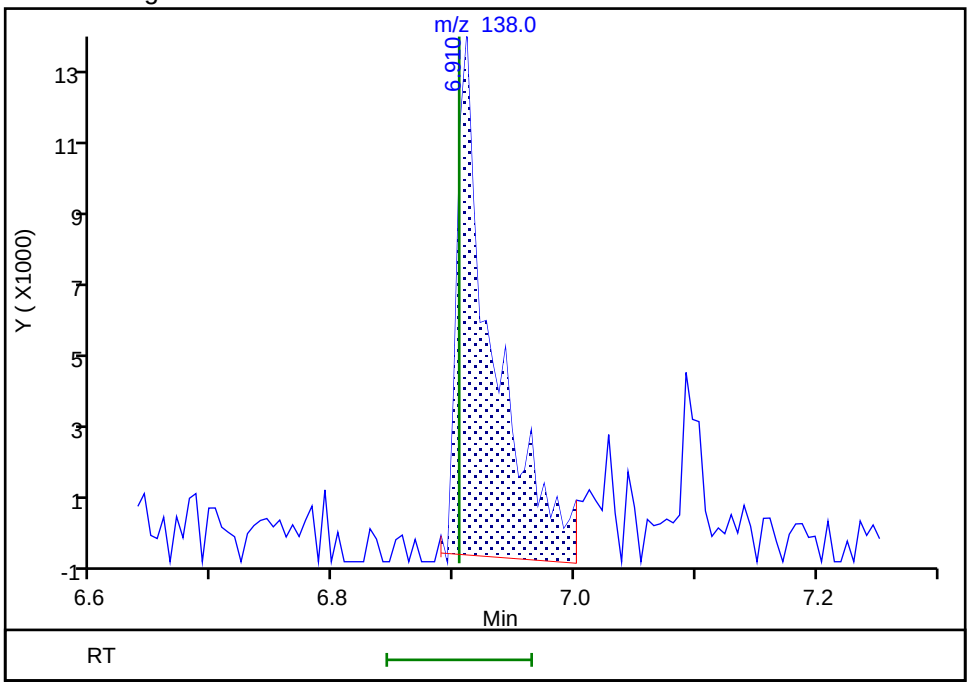
Processing Integration Results

RT: 6.91
Area: 18771
Amount: 160.2519
Amount Units: ug/L



Manual Integration Results

RT: 6.91
Area: 26552
Amount: 217.4114
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:39:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

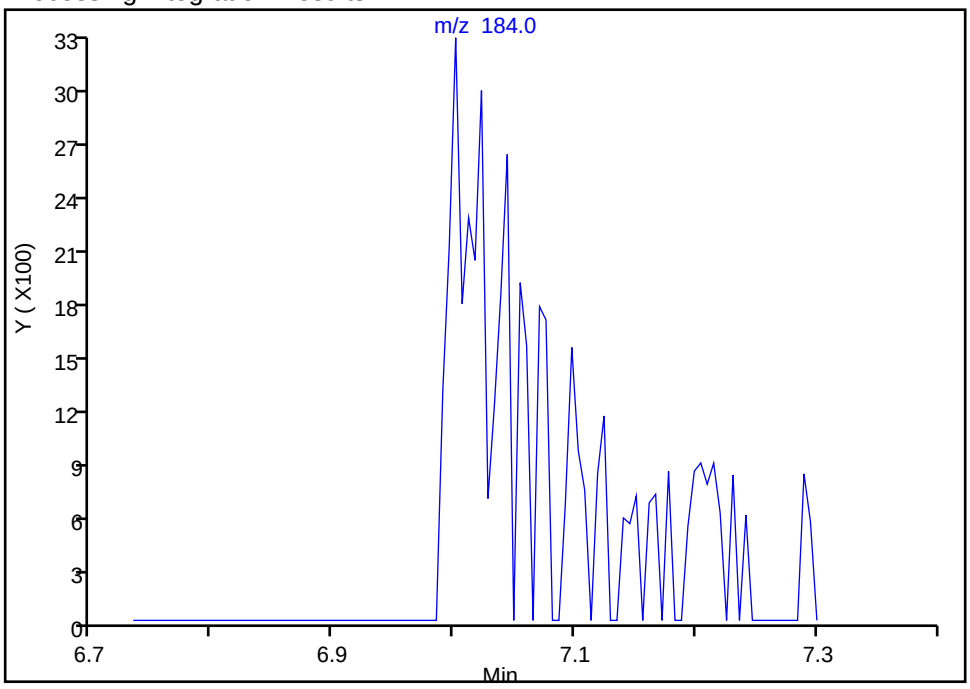
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051
Lims ID: STD5
Client ID:
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

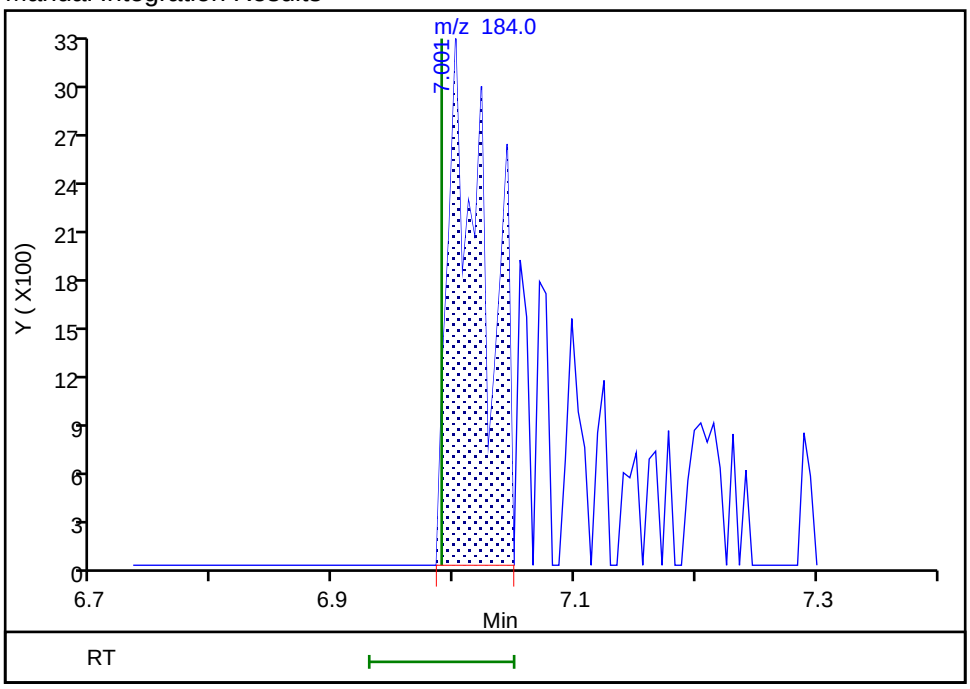
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 7.00
Area: 6927
Amount: 487.4696
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:55:48
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

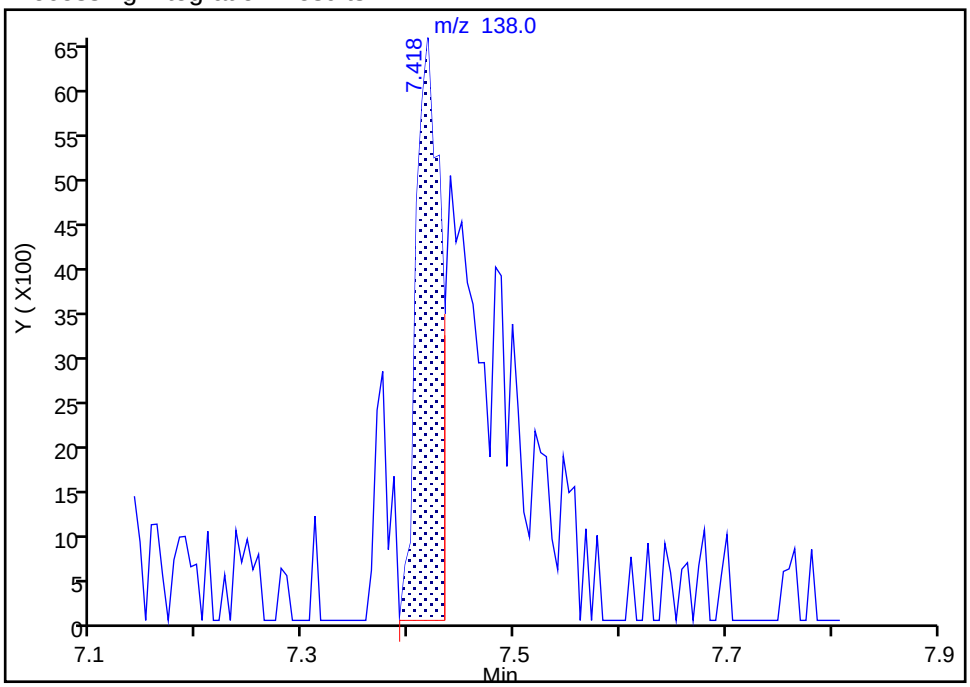
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A15_.D
Injection Date: 24-Jan-2022 19:00:30 Instrument ID: TAC051
Lims ID: STD5
Client ID:
Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

71 4-Nitroaniline, CAS: 100-01-6

Signal: 1

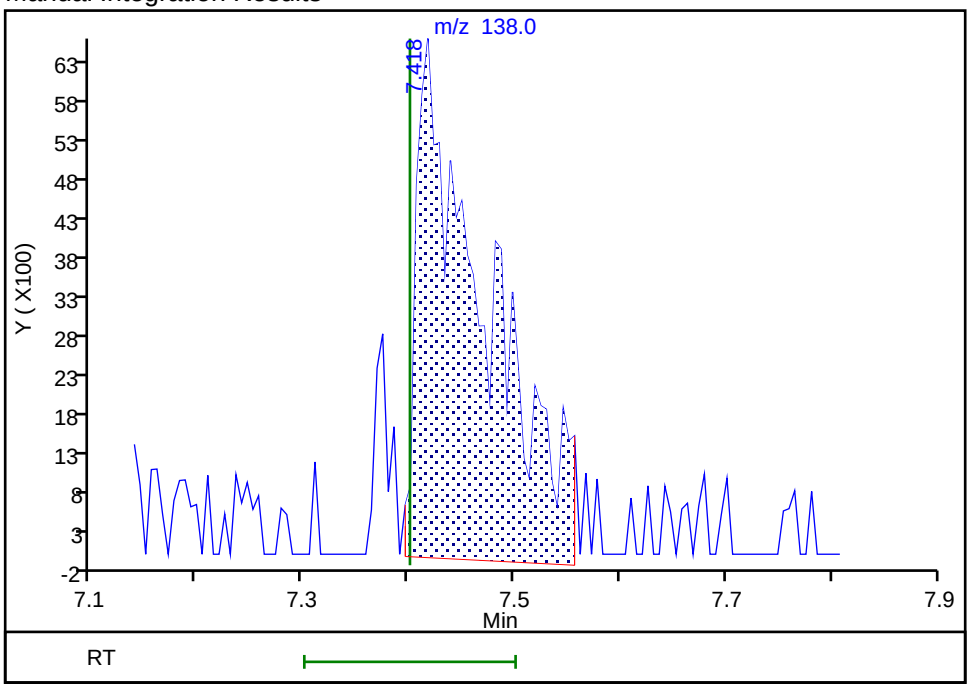
Processing Integration Results

RT: 7.42
Area: 10481
Amount: 180.8172
Amount Units: ug/L



Manual Integration Results

RT: 7.42
Area: 30141
Amount: 239.2964
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:39:20
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Lims ID: STD4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 24-Jan-2022 19:23:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 4
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:07:03 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:06:22

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.489	4.489	0.000	85	34443	100.0	100.0	
* 2 Naphthalene-d8	136	5.499	5.499	0.000	96	126881	100.0	100.0	
* 3 Acenaphthene-d10	164	6.925	6.925	0.000	86	57635	100.0	100.0	
* 4 Phenanthrene-d10	188	8.138	8.138	0.000	91	82968	100.0	100.0	
* 5 Chrysene-d12	240	10.334	10.334	0.000	94	67633	100.0	100.0	
* 6 Perylene-d12	264	11.862	11.862	0.000	90	75635	100.0	100.0	
$ 7 2-Fluorophenol	112	3.485	3.485	0.000	78	30700	100.0	100.3	
$ 8 Phenol-d5	99	4.212	4.212	0.000	96	33408	100.0	92.7	
$ 9 Nitrobenzene-d5	82	4.927	4.928	-0.001	83	27133	100.0	89.8	
$ 10 2-methylnaphthalene-d10	152	6.055	6.055	0.000	0	70367	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.386	6.386	0.000	92	78870	100.0	102.9	
$ 12 2,4,6-Tribromophenol	330	7.577	7.572	0.005	16	4032	100.0	73.7	
$ 13 Fluoranthene-d10 (Surr)	212	9.116	9.116	0.000	0	87709	NC	NC	
$ 14 Terphenyl-d14	244	9.458	9.458	0.000	86	62580	100.0	100.7	
16 N-Nitrosodimethylamine	74	2.491	2.475	0.016	69	10054	100.0	93.4	
17 Pyridine	79	2.513	2.492	0.021	83	39140	200.0	207.0	
19 Phenol	94	4.222	4.222	0.000	91	31889	100.0	92.2	
18 Aniline	93	4.238	4.238	0.000	28	37504	100.0	92.1	
20 Bis(2-chloroethyl)ether	93	4.297	4.297	0.000	78	29940	100.0	100.6	
21 2-Chlorophenol	128	4.324	4.324	0.000	79	42162	100.0	101.1	
22 n-Decane	57	4.377	4.377	0.000	76	27974	100.0	102.8	
23 1,3-Dichlorobenzene	146	4.447	4.447	0.000	93	51957	100.0	104.7	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	84	53699	100.0	99.6	
26 Benzyl alcohol	79	4.607	4.607	0.000	89	16639	100.0	85.6	
27 1,2-Dichlorobenzene	146	4.623	4.623	0.000	87	46821	100.0	92.8	
28 2-Methylphenol	108	4.692	4.692	0.000	45	26820	100.0	92.8	
29 2,2'-oxybis[1-chloropropane]	45	4.719	4.719	0.000	45	35169	100.0	105.2	a
30 Acetophenone	105	4.815	4.810	0.005	90	41180	100.0	94.4	
31 N-Nitrosodi-n-propylamine	70	4.815	4.815	0.000	58	17256	100.0	100.5	
32 3 & 4 Methylphenol	108	4.821	4.821	0.000	81	25629	100.0	90.7	
33 Hexachloroethane	117	4.885	4.885	0.000	84	20367	100.0	104.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.943	4.944	-0.001	73	27835	100.0	103.2	
35 Isophorone	82	5.136	5.136	0.000	91	48088	100.0	94.9	
36 2-Nitrophenol	139	5.200	5.200	0.000	74	16835	100.0	83.7	
37 2,4-Dimethylphenol	107	5.243	5.243	0.000	83	28429	100.0	87.2	
38 Bis(2-chloroethoxy)methane	93	5.323	5.323	0.000	88	31732	100.0	99.8	
40 2,4-Dichlorophenol	162	5.392	5.392	0.000	71	25309	100.0	90.7	
41 1,2,4-Trichlorobenzene	180	5.456	5.456	0.000	91	38590	100.0	99.5	
42 Naphthalene	128	5.515	5.515	0.000	90	130261	100.0	98.6	
43 4-Chloroaniline	127	5.574	5.569	0.005	78	34056	100.0	99.7	
44 2,6-Dichlorophenol	162	5.574	5.574	0.000	83	28442	100.0	98.5	
45 Hexachlorobutadiene	225	5.622	5.622	0.000	87	20550	100.0	89.2	
46 4-Chloro-3-methylphenol	107	5.980	5.969	0.011	52	13141	100.0	94.0	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	76	78916	100.0	95.5	
48 1-Methylnaphthalene	142	6.156	6.156	0.000	88	78343	100.0	99.8	
49 Hexachlorocyclopentadiene	237	6.210	6.210	0.000	71	20411	100.0	100.4	
50 1,2,4,5-Tetrachlorobenzene	216	6.215	6.215	0.000	82	33379	100.0	102.3	
52 2,4,6-Trichlorophenol	196	6.316	6.311	0.005	54	10805	100.0	87.7	
53 2,4,5-Trichlorophenol	196	6.354	6.343	0.011	38	11295	100.0	95.3	a
54 1,1'-Biphenyl	154	6.466	6.461	0.005	92	86306	100.0	103.2	
55 2-Chloronaphthalene	162	6.477	6.471	0.006	90	69851	100.0	106.4	
56 2-Nitroaniline	138	6.573	6.568	0.005	23	8826	100.0	105.9	M
57 Dimethyl phthalate	163	6.728	6.722	0.006	95	67587	100.0	96.6	
58 1,3-Dinitrobenzene	168	6.754	6.744	0.010	1	4157	100.0	155.0	
59 2,6-Dinitrotoluene	165	6.771	6.765	0.005	59	8999	100.0	85.1	
60 Acenaphthylene	152	6.808	6.808	0.000	86	94501	100.0	93.6	
61 3-Nitroaniline	138	6.931	6.904	0.027	5	4360	100.0	98.2	
62 Acenaphthene	153	6.952	6.952	0.000	87	68184	100.0	101.1	
64 4-Nitrophenol	109	7.107	7.048	0.059	27	1889	200.0	801.9	
65 2,4-Dinitrotoluene	165	7.102	7.096	0.006	31	9930	100.0	103.1	a
66 Dibenzofuran	168	7.096	7.096	0.000	84	89695	100.0	104.6	
51 2,3,5,6-Tetrachlorophenol	232	7.171	7.166	0.005	25	7172	100.0	87.7	a
67 2,3,4,6-Tetrachlorophenol	232	7.203	7.198	0.005	37	13581	100.0	102.6	
68 Diethyl phthalate	149	7.305	7.299	0.006	92	80149	100.0	107.3	
69 Fluorene	166	7.380	7.374	0.006	89	70202	100.0	102.9	
70 4-Chlorophenyl phenyl ether	204	7.385	7.385	0.000	85	31684	100.0	100.9	
71 4-Nitroaniline	138	7.438	7.401	0.037	1	2738	100.0	81.7	
72 4,6-Dinitro-2-methylphenol	198	7.433	7.422	0.011	30	7501	200.0	250.8	
73 N-Nitrosodiphenylamine	169	7.486	7.481	0.005	48	41726	100.0	94.7	
74 Azobenzene	77	7.513	7.513	0.000	88	45578	100.0	103.0	
75 4-Bromophenyl phenyl ether	248	7.786	7.786	0.000	52	20026	100.0	116.9	
76 Hexachlorobenzene	284	7.823	7.818	0.005	75	24235	100.0	113.0	
77 Atrazine	200	7.930	7.930	0.000	69	16215	100.0	100.4	
78 Pentachlorophenol	266	7.989	7.983	0.005	1	8872	200.0	214.6	a
79 n-Octadecane	57	8.085	8.085	0.000	80	26864	100.0	102.7	
80 Phenanthrene	178	8.159	8.160	0.000	92	100704	100.0	103.1	
81 Anthracene	178	8.202	8.197	0.005	90	93164	100.0	99.8	
83 Carbazole	167	8.346	8.336	0.010	64	69562	100.0	95.5	
84 Di-n-butyl phthalate	149	8.646	8.646	0.000	96	114575	100.0	92.2	
85 Fluoranthene	202	9.132	9.132	0.000	94	97710	100.0	95.5	
88 Benzidine	184	9.276	9.260	0.016	49	37938	200.0	242.2	
89 Pyrene	202	9.313	9.313	0.000	97	105780	100.0	98.8	
94 Butyl benzyl phthalate	149	9.874	9.869	0.005	78	37254	100.0	82.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
96 3,3'-Dichlorobenzidine	252	10.328	10.318	0.010	22	42953	200.0	180.1	
97 Benzo[a]anthracene	228	10.328	10.323	0.005	96	76962	100.0	95.4	
99 Chrysene	228	10.360	10.360	0.000	88	108167	100.0	107.6	
98 Bis(2-ethylhexyl) phthalate	149	10.392	10.393	0.000	73	54145	100.0	87.3	
100 Di-n-octyl phthalate	149	11.060	11.055	0.005	80	80402	100.0	80.3	
101 Benzo[b]fluoranthene	252	11.429	11.424	0.005	90	85190	100.0	103.8	
102 Benzofluoranthene	252	11.429	11.456	-0.027	1	184747	200.0	198.8	a
103 Benzo[k]fluoranthene	252	11.461	11.456	0.005	79	92812	100.0	91.4	
104 Benzo[a]pyrene	252	11.797	11.792	0.005	50	72333	100.0	98.2	
105 Indeno[1,2,3-cd]pyrene	276	13.170	13.165	0.005	92	58203	100.0	84.9	
106 Dibenz(a,h)anthracene	278	13.213	13.208	0.005	1	66707	100.0	93.6	
107 Benzo[g,h,i]perylene	276	13.496	13.496	0.000	75	88949	100.0	94.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069	Amount Added: 9.00	Units: uL
ccv_8270_1000_00057	Amount Added: 100.00	Units: uL

Report Date: 28-Jan-2022 17:07:04 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D

Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051

Lims ID: STD4

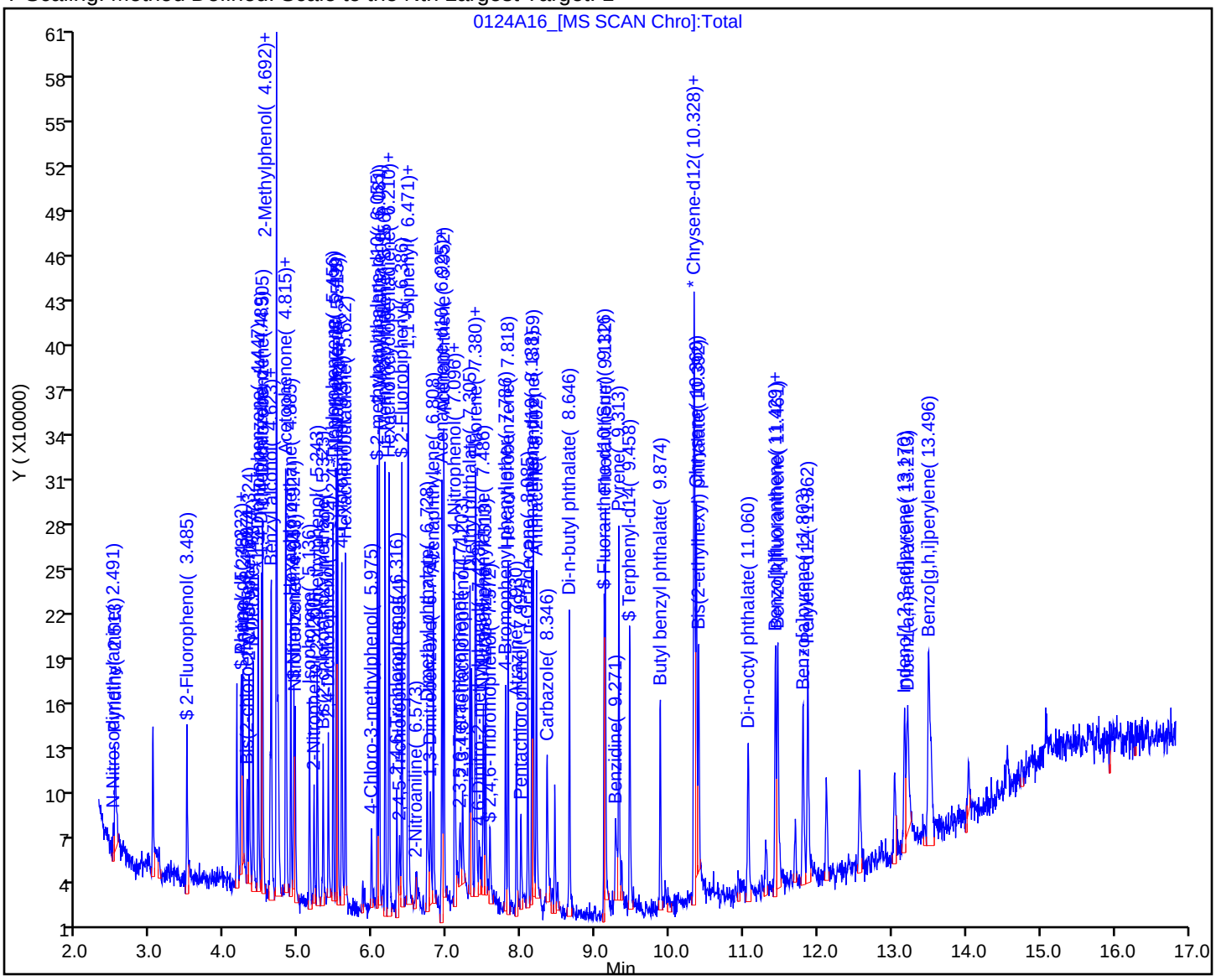
Client ID:

Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

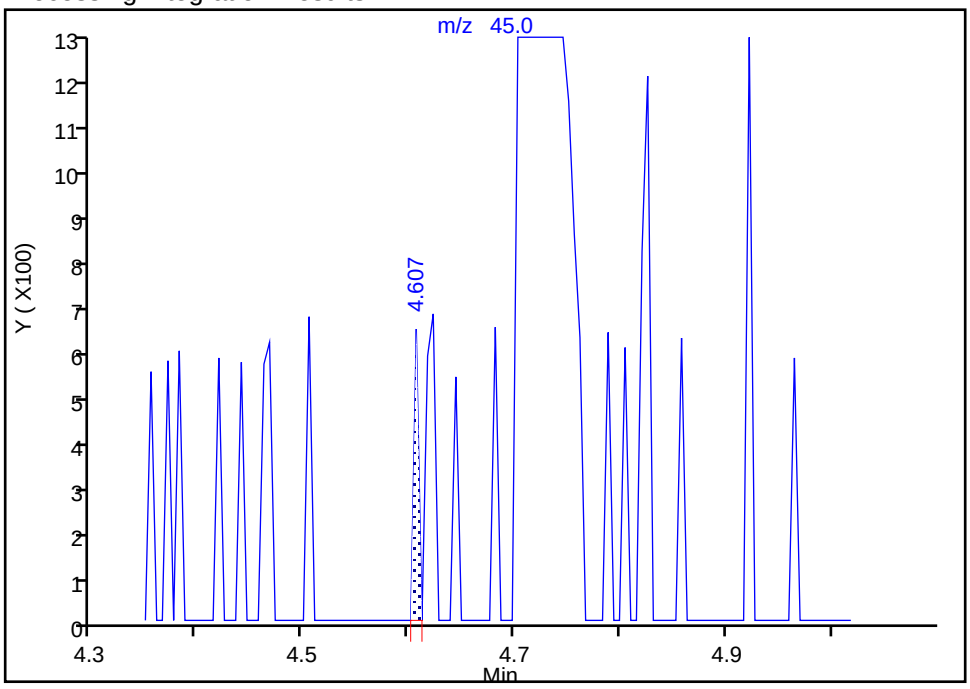
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

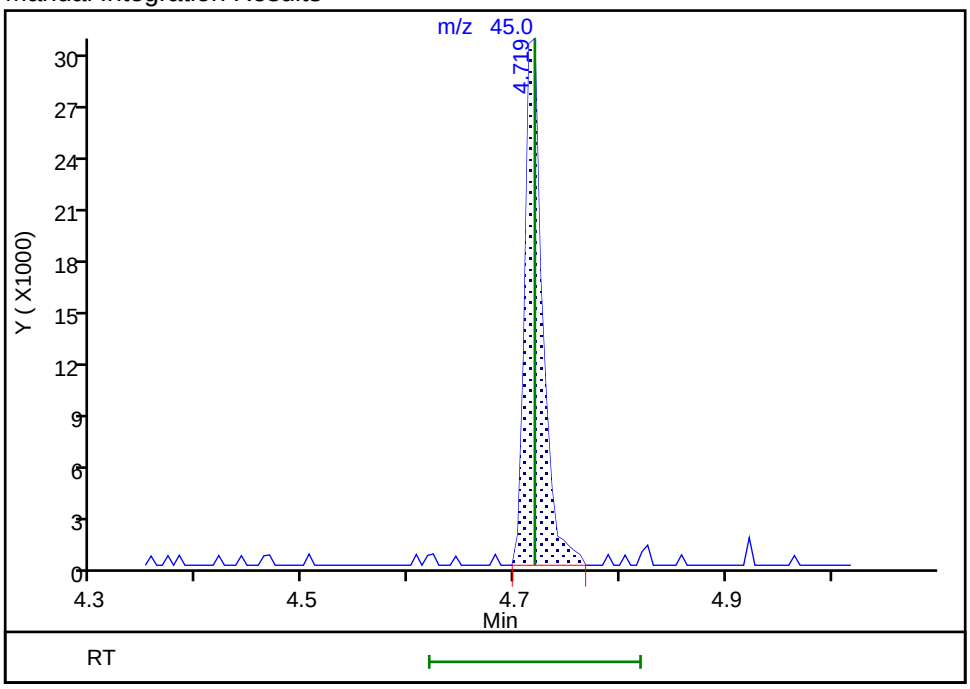
Processing Integration Results

RT: 4.61
Area: 197
Amount: 0.900394
Amount Units: ug/L



Manual Integration Results

RT: 4.72
Area: 35169
Amount: 105.2266
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:38:11
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

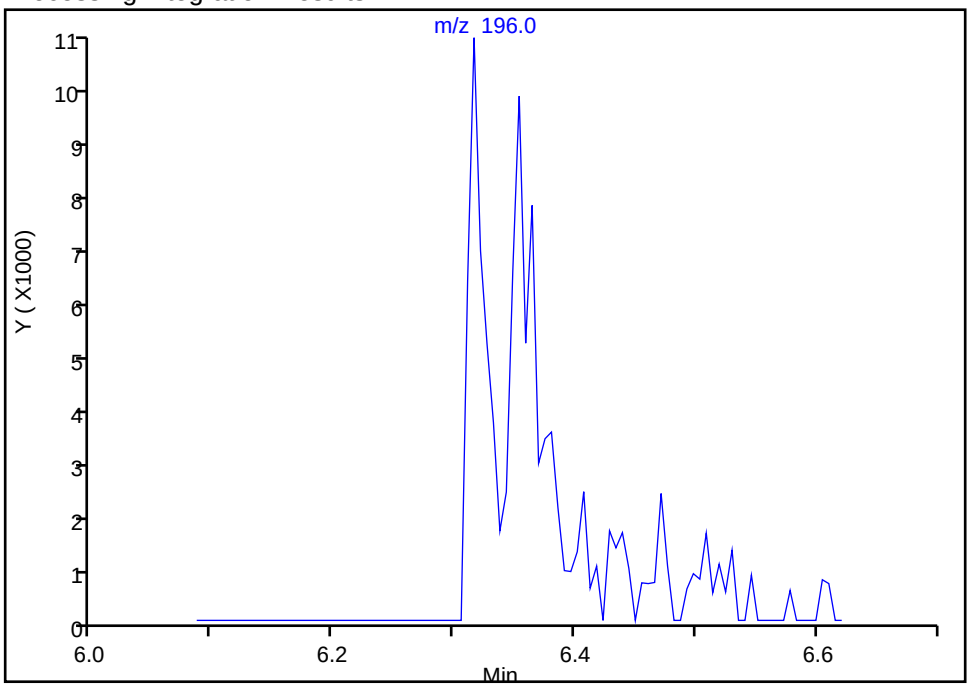
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

53 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

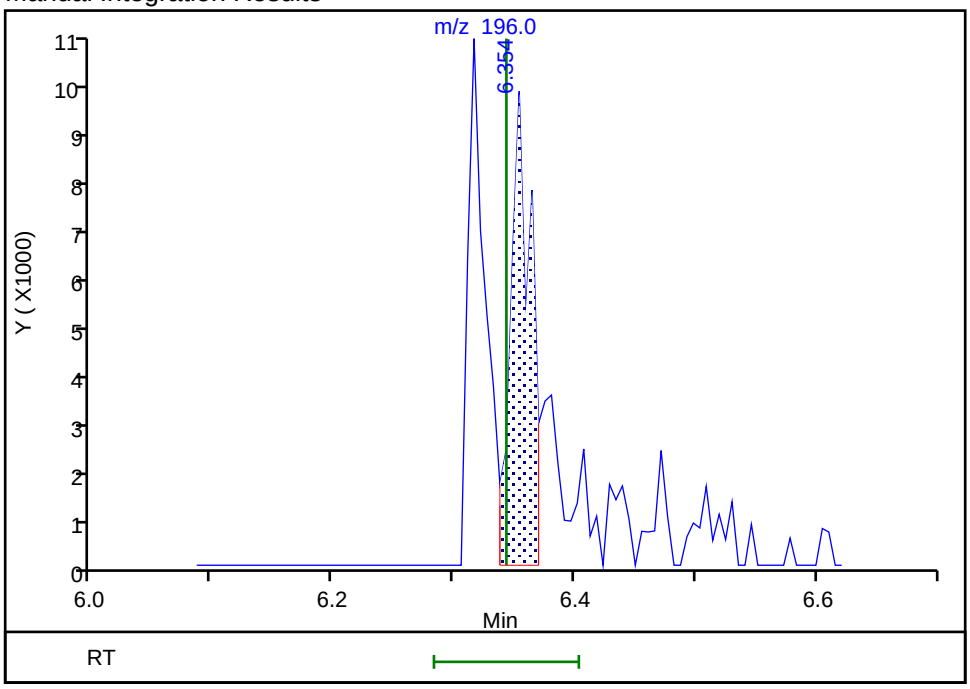
Not Detected
Expected RT: 6.34

Processing Integration Results



Manual Integration Results

RT: 6.35
Area: 11295
Amount: 95.301610
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:56:40
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

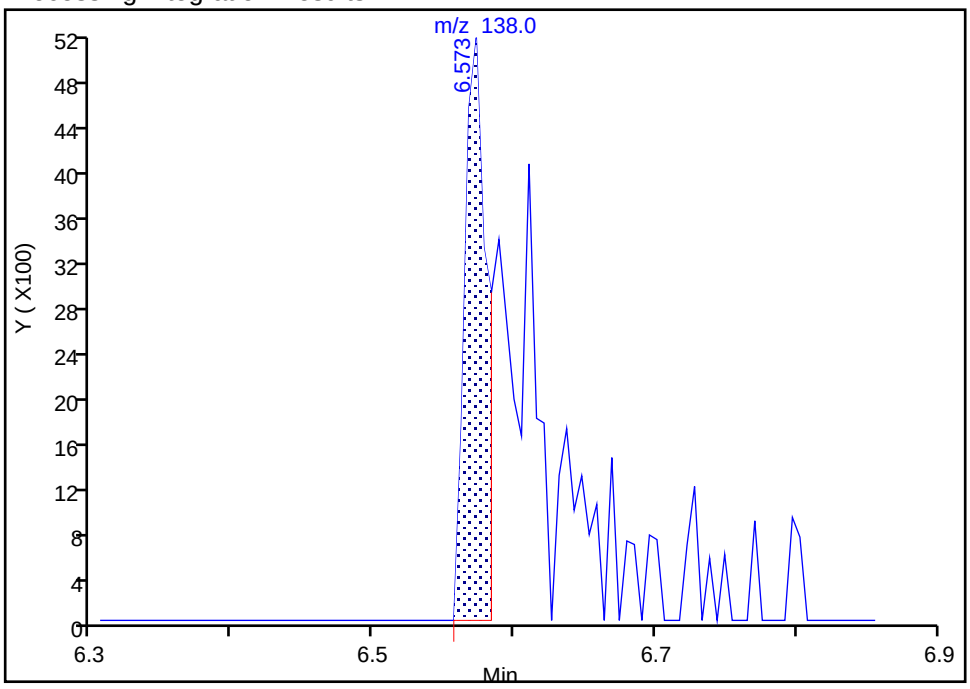
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

56 2-Nitroaniline, CAS: 88-74-4

Signal: 1

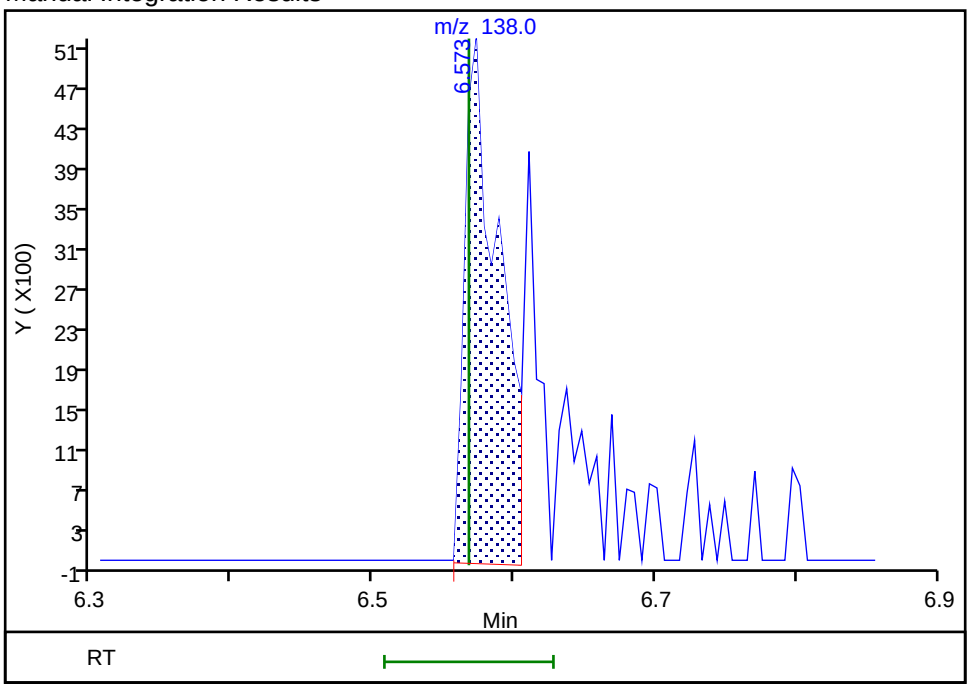
Processing Integration Results

RT: 6.57
Area: 5630
Amount: 120.8943
Amount Units: ug/L



Manual Integration Results

RT: 6.57
Area: 8826
Amount: 105.9456
Amount Units: ug/L



Reviewer: boylea, 28-Jan-2022 16:57:45
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

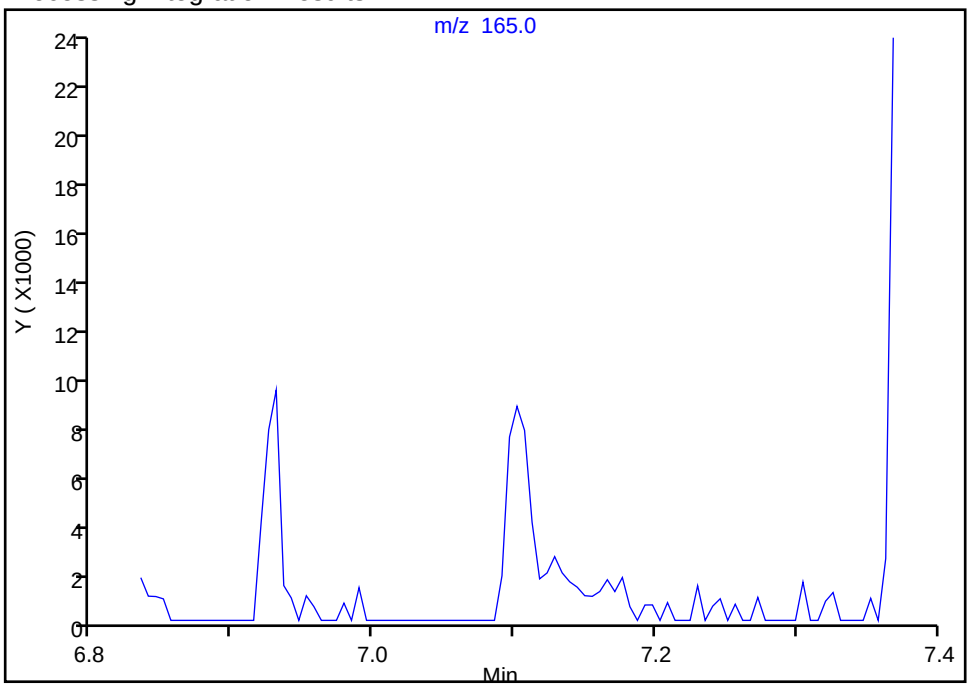
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

65 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

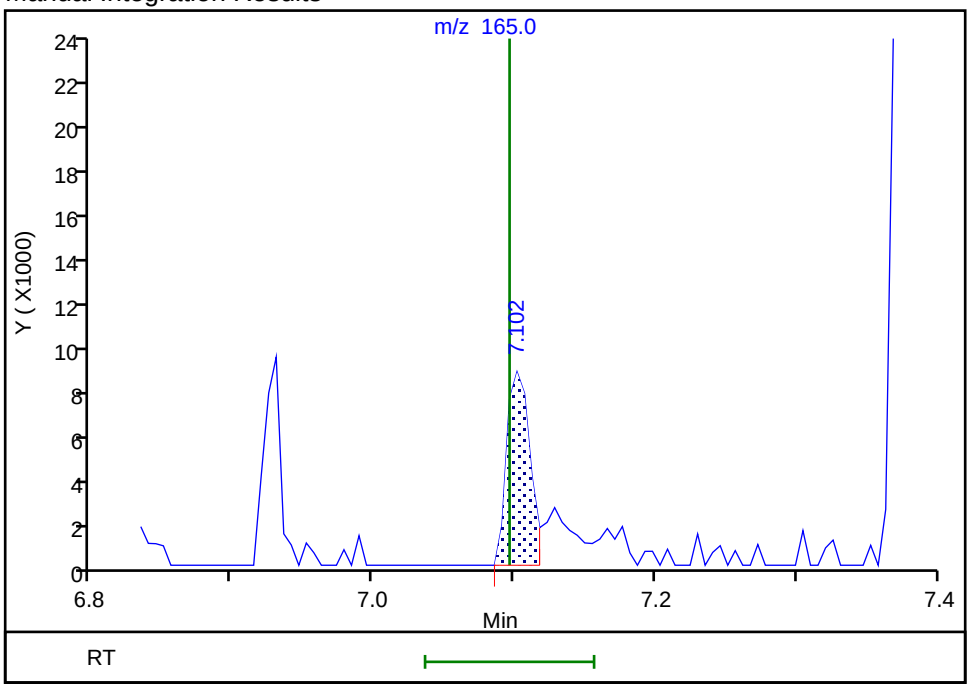
Not Detected
Expected RT: 7.10

Processing Integration Results



Manual Integration Results

RT: 7.10
Area: 9930
Amount: 103.0546
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:38:21
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

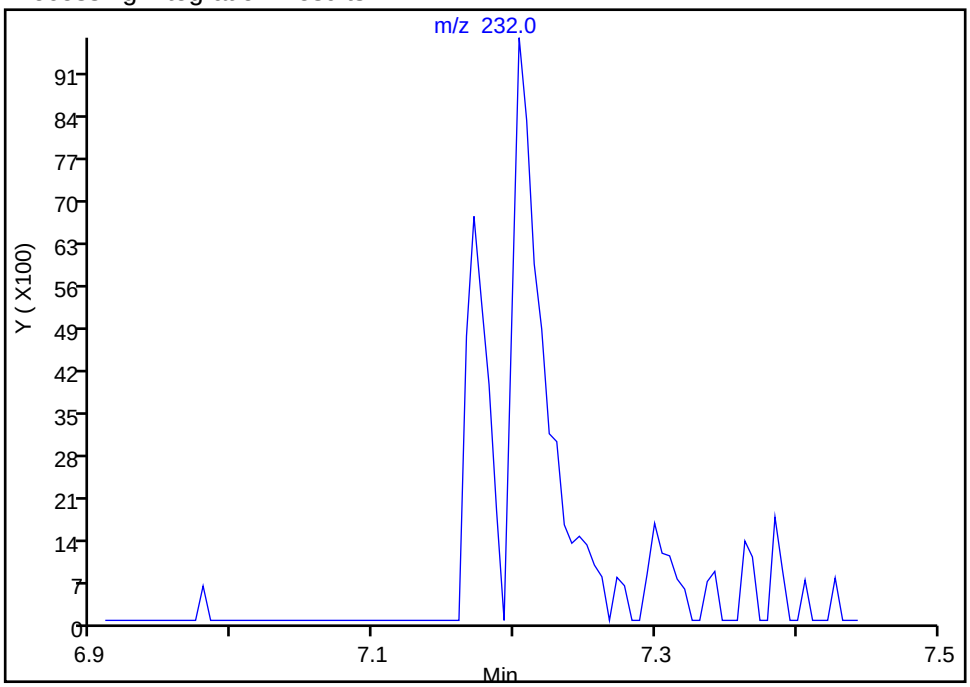
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

51 2,3,5,6-Tetrachlorophenol, CAS: 935-95-5

Signal: 1

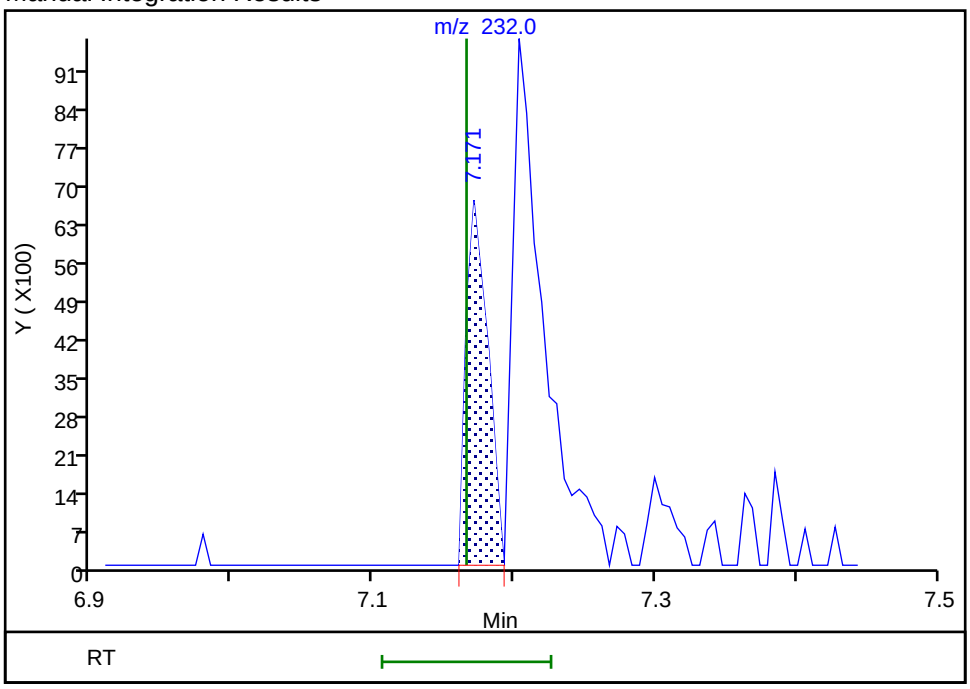
Not Detected
Expected RT: 7.17

Processing Integration Results



Manual Integration Results

RT: 7.17
Area: 7172
Amount: 87.663944
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:56:31
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

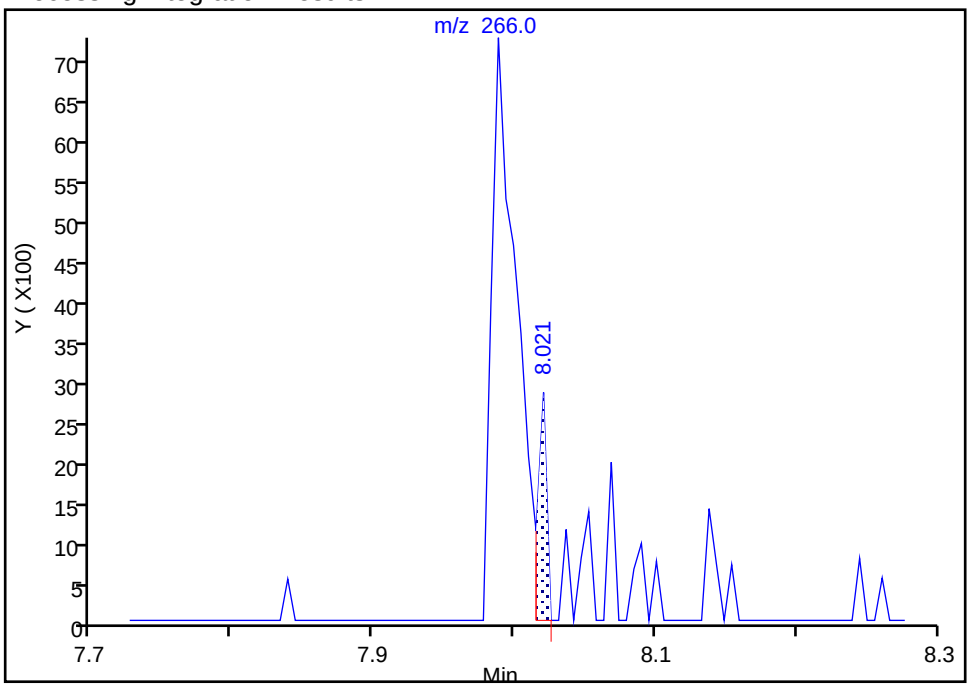
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

78 Pentachlorophenol, CAS: 87-86-5

Signal: 1

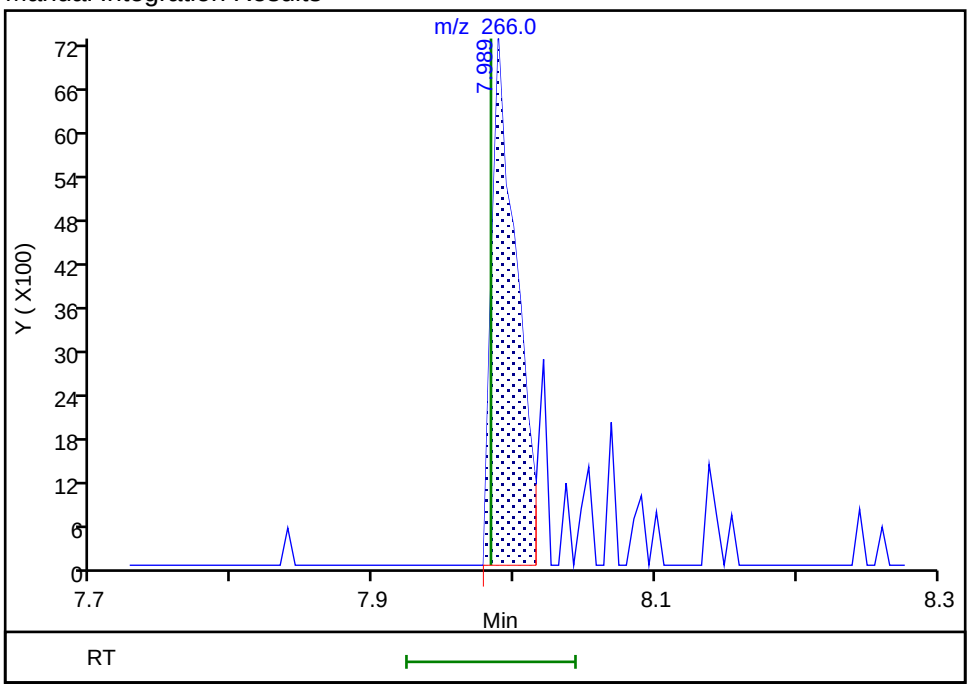
Processing Integration Results

RT: 8.02
Area: 1260
Amount: 203.3115
Amount Units: ug/L



Manual Integration Results

RT: 7.99
Area: 8872
Amount: 214.6353
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:38:34
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

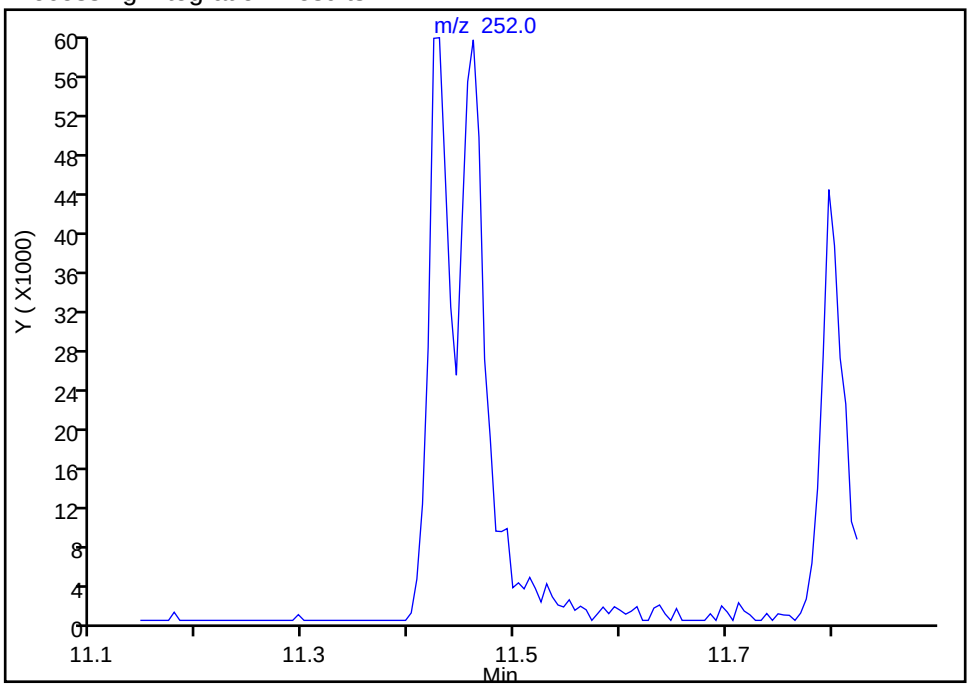
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A16_.D
Injection Date: 24-Jan-2022 19:23:30 Instrument ID: TAC051
Lims ID: STD4
Client ID:
Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

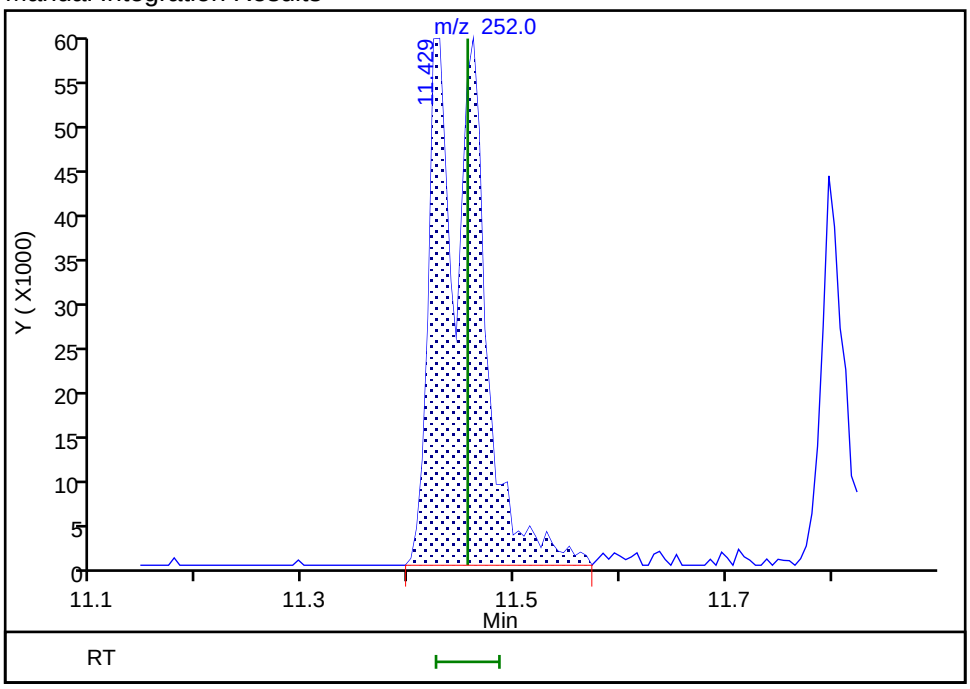
Not Detected
Expected RT: 11.46

Processing Integration Results



Manual Integration Results

RT: 11.43
Area: 184747
Amount: 198.7696
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:56:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D
Lims ID: STD3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 24-Jan-2022 19:45:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 3
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:07:07 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:07:17

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.489	4.489	0.000	84	33814	100.0	100.0	
* 2 Naphthalene-d8	136	5.499	5.499	0.000	96	120154	100.0	100.0	
* 3 Acenaphthene-d10	164	6.925	6.925	0.000	90	54246	100.0	100.0	
* 4 Phenanthrene-d10	188	8.138	8.138	0.000	88	75532	100.0	100.0	
* 5 Chrysene-d12	240	10.333	10.334	-0.001	93	65781	100.0	100.0	
* 6 Perylene-d12	264	11.867	11.862	0.005	80	68492	100.0	100.0	
$ 7 2-Fluorophenol	112	3.485	3.485	0.000	59	15431	50.0	53.7	
$ 8 Phenol-d5	99	4.211	4.212	-0.001	90	15758	50.0	43.8	
$ 9 Nitrobenzene-d5	82	4.927	4.928	-0.001	54	15195	50.0	53.1	
$ 10 2-methylnaphthalene-d10	152	6.054	6.055	-0.001	0	37271	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.386	6.386	0.000	82	41014	50.0	56.9	
$ 12 2,4,6-Tribromophenol	330	7.577	7.572	0.005	1	1919	50.0	57.2	
$ 13 Fluoranthene-d10 (Surr)	212	9.115	9.116	-0.001	0	41411	NC	NC	
$ 14 Terphenyl-d14	244	9.457	9.458	-0.001	67	32224	50.0	57.0	
16 N-Nitrosodimethylamine	74	2.502	2.475	0.027	66	5516	50.0	62.8	
17 Pyridine	79	2.534	2.492	0.042	84	10778	100.0	97.6	
19 Phenol	94	4.222	4.222	0.000	86	15427	50.0	45.4	
18 Aniline	93	4.238	4.238	0.000	21	19248	50.0	50.9	
20 Bis(2-chloroethyl)ether	93	4.297	4.297	0.000	62	14885	50.0	51.0	
21 2-Chlorophenol	128	4.329	4.324	0.005	67	18264	50.0	44.6	
22 n-Decane	57	4.377	4.377	0.000	78	11469	50.0	42.9	
23 1,3-Dichlorobenzene	146	4.446	4.447	-0.001	81	25691	50.0	52.7	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	88	25157	50.0	47.5	
26 Benzyl alcohol	79	4.607	4.607	0.000	61	8445	50.0	47.8	
27 1,2-Dichlorobenzene	146	4.623	4.623	0.000	79	27809	50.0	56.1	
28 2-Methylphenol	108	4.698	4.692	0.006	50	13788	50.0	48.6	
29 2,2'-oxybis[1-chloropropane]	45	4.719	4.719	0.000	35	16099	50.0	49.1	
30 Acetophenone	105	4.815	4.810	0.005	85	21594	50.0	50.4	
31 N-Nitrosodi-n-propylamine	70	4.820	4.815	0.005	74	9614	50.0	57.1	
32 3 & 4 Methylphenol	108	4.820	4.821	-0.001	72	12191	50.0	47.1	
33 Hexachloroethane	117	4.884	4.885	-0.001	77	10733	50.0	55.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.943	4.944	-0.001	84	12645	50.0	52.5	
35 Isophorone	82	5.141	5.136	0.005	86	26544	50.0	53.3	
36 2-Nitrophenol	139	5.200	5.200	0.000	69	7885	50.0	45.0	
37 2,4-Dimethylphenol	107	5.242	5.243	-0.001	79	14257	50.0	46.8	
38 Bis(2-chloroethoxy)methane	93	5.323	5.323	0.000	78	14617	50.0	46.8	
40 2,4-Dichlorophenol	162	5.392	5.392	0.000	51	11144	50.0	51.1	
41 1,2,4-Trichlorobenzene	180	5.456	5.456	0.000	72	20307	50.0	55.3	
42 Naphthalene	128	5.520	5.515	0.005	74	64682	50.0	50.9	
43 4-Chloroaniline	127	5.574	5.569	0.005	47	12448	50.0	53.7	
44 2,6-Dichlorophenol	162	5.574	5.574	0.000	76	16145	50.0	61.2	
45 Hexachlorobutadiene	225	5.622	5.622	0.000	75	11375	50.0	52.2	
46 4-Chloro-3-methylphenol	107	5.980	5.969	0.011	29	3449	50.0	53.3	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	76	43019	50.0	55.0	
48 1-Methylnaphthalene	142	6.156	6.156	0.000	76	41871	50.0	56.3	
49 Hexachlorocyclopentadiene	237	6.209	6.210	-0.001	66	8444	50.0	44.1	
50 1,2,4,5-Tetrachlorobenzene	216	6.215	6.215	0.000	79	18058	50.0	55.5	
52 2,4,6-Trichlorophenol	196	6.316	6.311	0.005	1	4179	50.0	54.3	
53 2,4,5-Trichlorophenol	196	6.359	6.343	0.016	1	2757	50.0	57.4	a
54 1,1'-Biphenyl	154	6.466	6.461	0.005	90	44414	50.0	56.4	
55 2-Chloronaphthalene	162	6.476	6.471	0.005	70	37577	50.0	60.8	
56 2-Nitroaniline	138	6.589	6.568	0.021	1	3222	50.0	77.9	
57 Dimethyl phthalate	163	6.728	6.722	0.006	82	27018	50.0	39.0	
58 1,3-Dinitrobenzene	168	6.760	6.744	0.016	6	491	50.0	122.9	
59 2,6-Dinitrotoluene	165	6.776	6.765	0.011	20	4949	50.0	63.5	
60 Acenaphthylene	152	6.808	6.808	0.000	78	49775	50.0	51.4	
61 3-Nitroaniline	138	6.931	6.904	0.027	3	1451	50.0	82.0	
62 Acenaphthene	153	6.952	6.952	0.000	86	31595	50.0	49.8	
64 4-Nitrophenol	109	7.096	7.048	0.048	7	982	100.0	794.4	
66 Dibenzofuran	168	7.096	7.096	0.000	75	42568	50.0	52.7	
51 2,3,5,6-Tetrachlorophenol	232	7.171	7.166	0.005	1	1916	50.0	54.2	
67 2,3,4,6-Tetrachlorophenol	232	7.214	7.198	0.016	1	3997	50.0	50.0	
68 Diethyl phthalate	149	7.304	7.299	0.005	89	40160	50.0	57.1	
69 Fluorene	166	7.374	7.374	0.000	67	28712	50.0	44.7	
70 4-Chlorophenyl phenyl ether	204	7.390	7.385	0.005	64	15590	50.0	52.7	
71 4-Nitroaniline	138	7.427	7.401	0.026	1	838	50.0	70.5	
72 4,6-Dinitro-2-methylphenol	198	7.427	7.422	0.005	1	1101	100.0	193.1	
73 N-Nitrosodiphenylamine	169	7.486	7.481	0.005	32	17392	50.0	43.4	
74 Azobenzene	77	7.513	7.513	0.000	67	19809	50.0	51.2	
75 4-Bromophenyl phenyl ether	248	7.791	7.786	0.005	16	6901	50.0	50.5	
76 Hexachlorobenzene	284	7.823	7.818	0.005	48	10787	50.0	55.3	
77 Atrazine	200	7.935	7.930	0.005	25	5824	50.0	49.4	
79 n-Octadecane	57	8.084	8.085	-0.001	66	12197	50.0	52.0	
80 Phenanthrene	178	8.159	8.160	0.000	56	47829	50.0	52.7	
81 Anthracene	178	8.202	8.197	0.005	74	42705	50.0	53.9	
83 Carbazole	167	8.352	8.336	0.016	42	37213	50.0	57.9	M
84 Di-n-butyl phthalate	149	8.645	8.646	-0.001	96	67567	50.0	59.0	
85 Fluoranthene	202	9.131	9.132	-0.001	84	43982	50.0	47.5	
88 Benzidine	184	9.281	9.260	0.021	18	4379	100.0	106.8	
89 Pyrene	202	9.313	9.313	0.000	95	48040	50.0	48.4	
94 Butyl benzyl phthalate	149	9.874	9.869	0.005	59	21653	50.0	52.5	
96 3,3'-Dichlorobenzidine	252	10.323	10.318	0.005	1	23496	100.0	112.9	M
97 Benzo[a]anthracene	228	10.328	10.323	0.005	86	31640	50.0	44.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
99 Chrysene	228	10.360	10.360	0.000	80	56009	50.0	51.7	
98 Bis(2-ethylhexyl) phthalate	149	10.392	10.393	0.000	67	30339	50.0	50.1	
100 Di-n-octyl phthalate	149	11.055	11.055	0.000	64	42834	50.0	47.2	
101 Benzo[b]fluoranthene	252	11.423	11.424	-0.001	82	32758	50.0	45.4	
102 Benzofluoranthene	252	11.461	11.456	0.005	1	87056	100.0	103.4	a
103 Benzo[k]fluoranthene	252	11.461	11.456	0.005	57	50225	50.0	54.6	
104 Benzo[a]pyrene	252	11.797	11.792	0.005	46	35331	50.0	55.2	
105 Indeno[1,2,3-cd]pyrene	276	13.170	13.165	0.005	62	33123	50.0	57.0	M
106 Dibenz(a,h)anthracene	278	13.218	13.208	0.010	1	28319	50.0	51.3	
107 Benzo[g,h,i]perylene	276	13.501	13.496	0.005	81	38178	50.0	46.8	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270ccvl_50_00039 Amount Added: 1.00 Units: mL

Report Date: 28-Jan-2022 17:07:08 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D

Injection Date: 24-Jan-2022 19:45:30 Instrument ID: TAC051

Lims ID: STD3

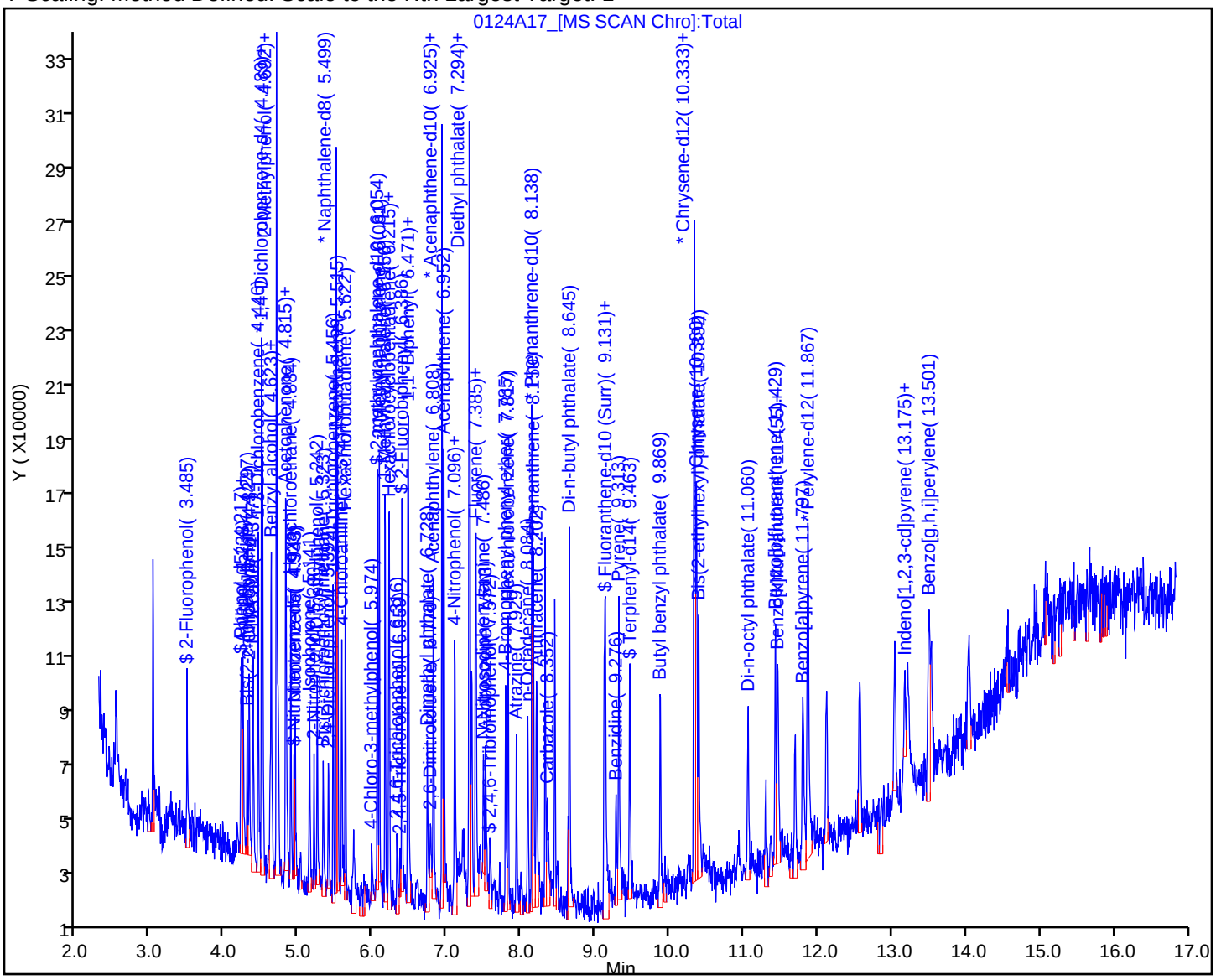
Client ID:

Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

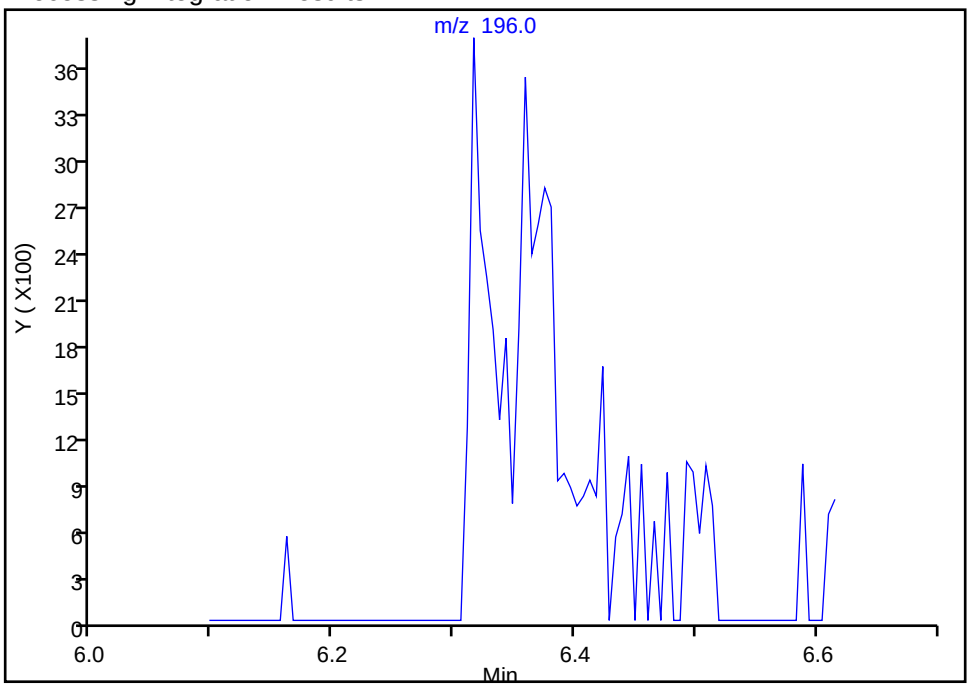
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D
Injection Date: 24-Jan-2022 19:45:30 Instrument ID: TAC051
Lims ID: STD3
Client ID:
Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

53 2,4,5-Trichlorophenol, CAS: 95-95-4

Signal: 1

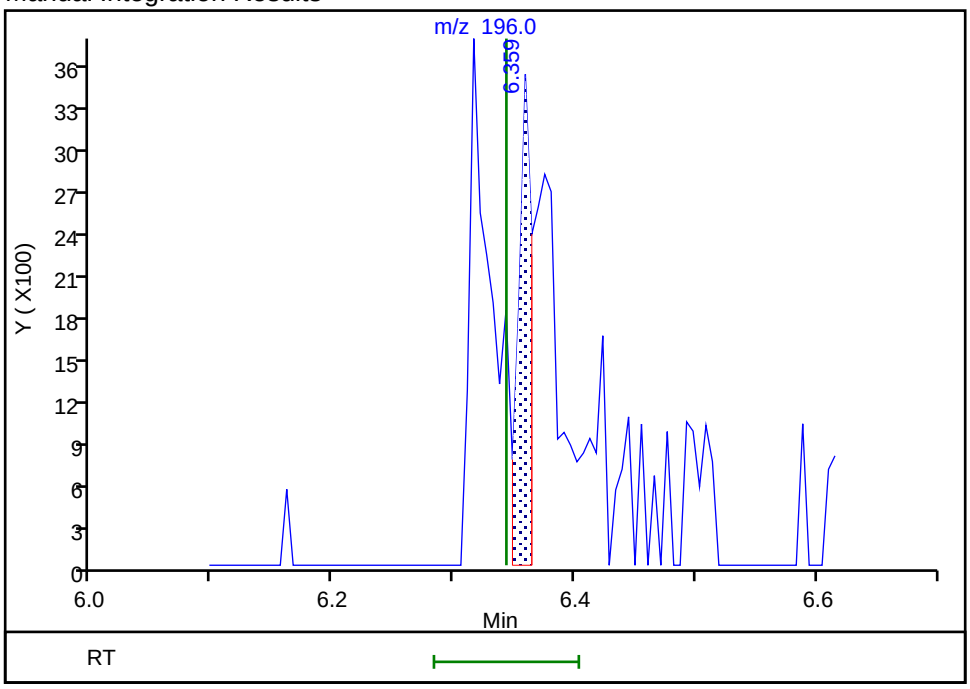
Not Detected
Expected RT: 6.34

Processing Integration Results



Manual Integration Results

RT: 6.36
Area: 2757
Amount: 57.449600
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:57:13
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

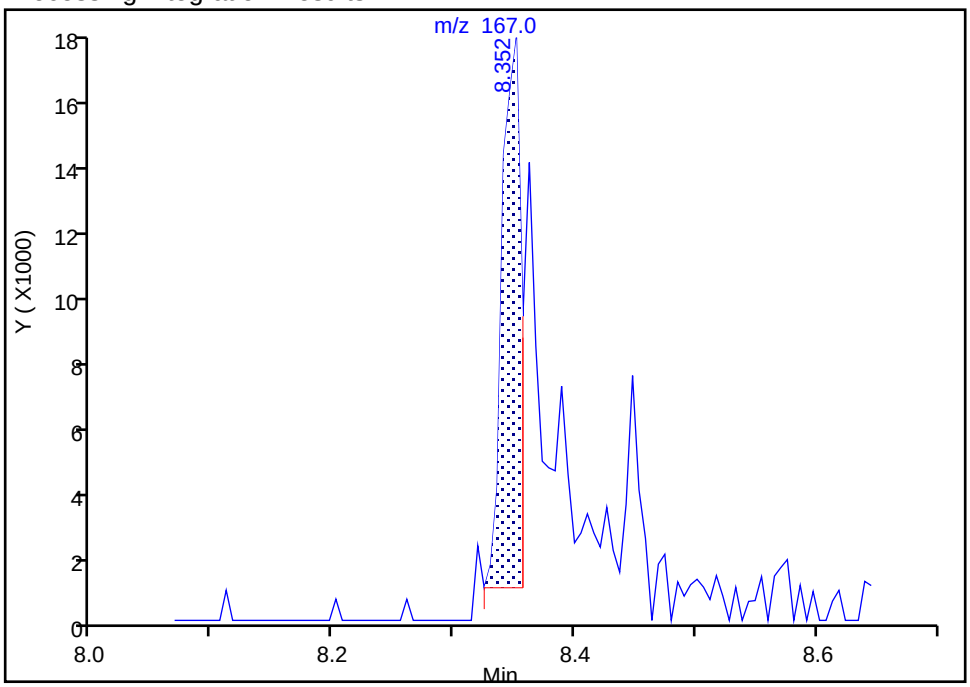
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D
Injection Date: 24-Jan-2022 19:45:30 Instrument ID: TAC051
Lims ID: STD3
Client ID:
Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

83 Carbazole, CAS: 86-74-8

Signal: 1

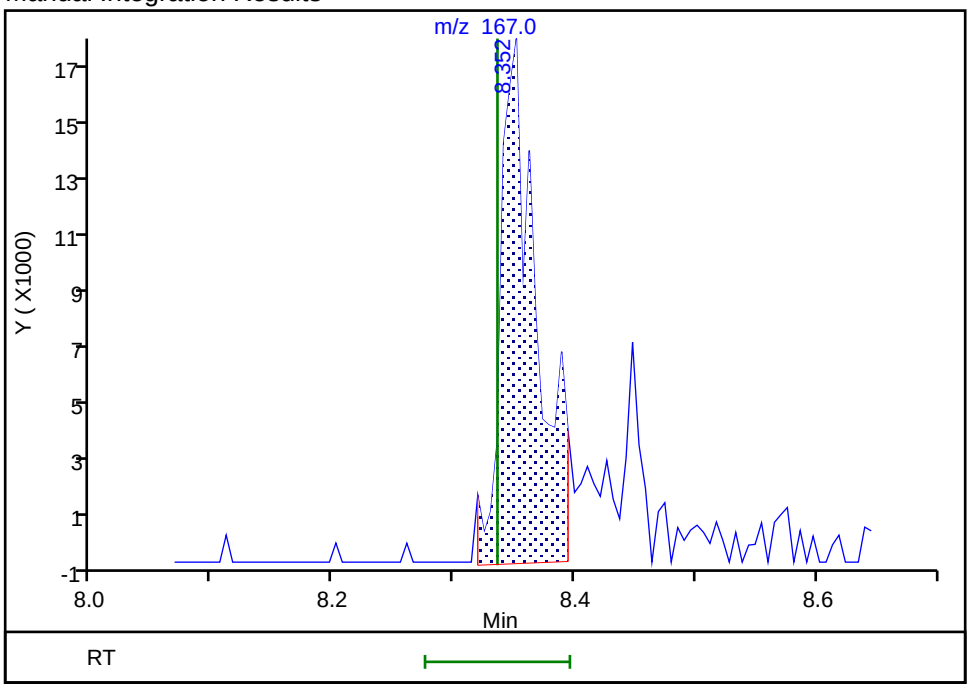
Processing Integration Results

RT: 8.35
Area: 18503
Amount: 37.172932
Amount Units: ug/L



Manual Integration Results

RT: 8.35
Area: 37213
Amount: 57.853512
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:36:18
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

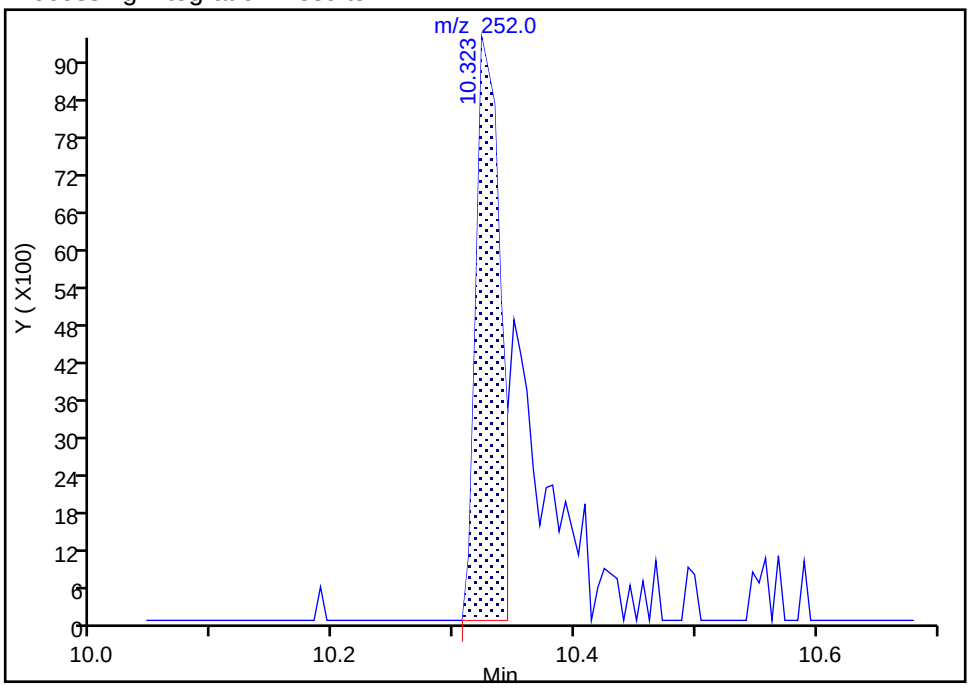
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D
Injection Date: 24-Jan-2022 19:45:30 Instrument ID: TAC051
Lims ID: STD3
Client ID:
Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

96 3,3'-Dichlorobenzidine, CAS: 91-94-1

Signal: 1

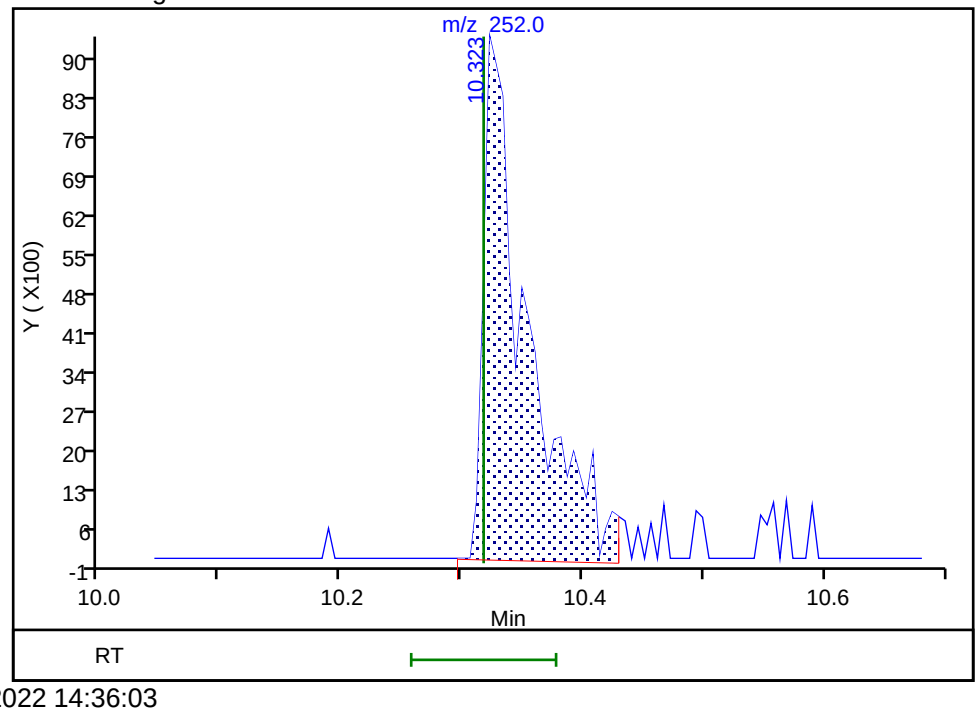
Processing Integration Results

RT: 10.32
Area: 13119
Amount: 83.567970
Amount Units: ug/L



Manual Integration Results

RT: 10.32
Area: 23496
Amount: 112.8834
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:36:03
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

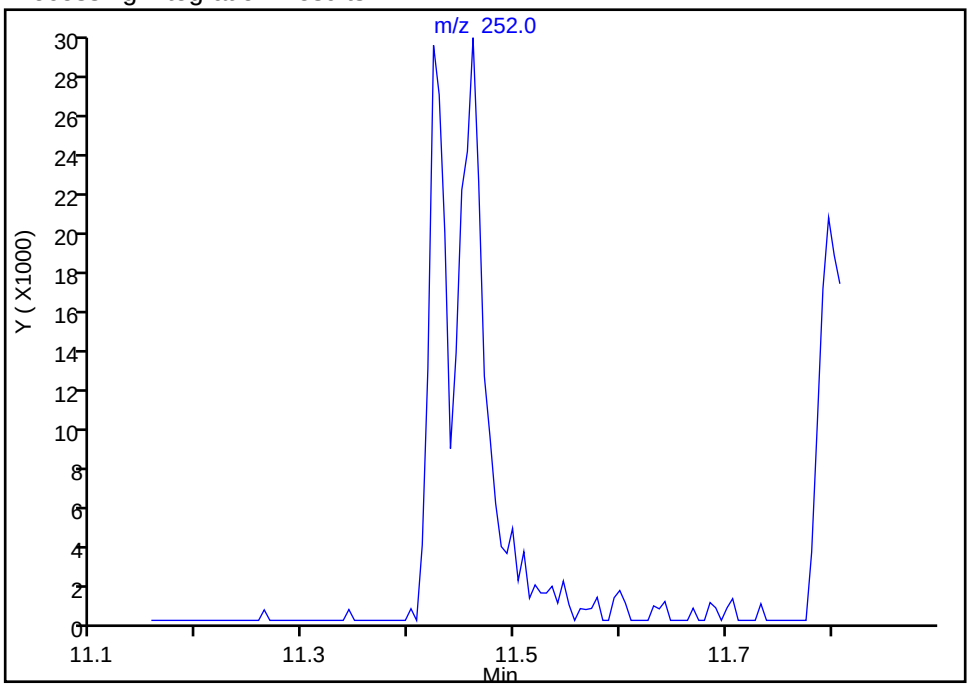
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D
Injection Date: 24-Jan-2022 19:45:30 Instrument ID: TAC051
Lims ID: STD3
Client ID:
Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

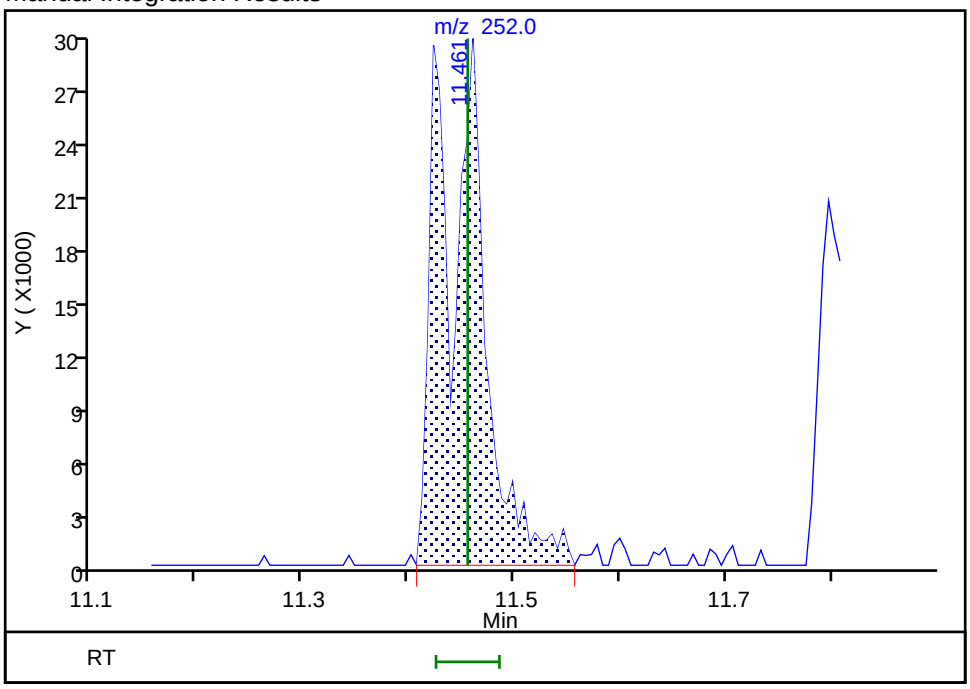
Not Detected
Expected RT: 11.46

Processing Integration Results



Manual Integration Results

RT: 11.46
Area: 87056
Amount: 103.4318
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:57:25
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

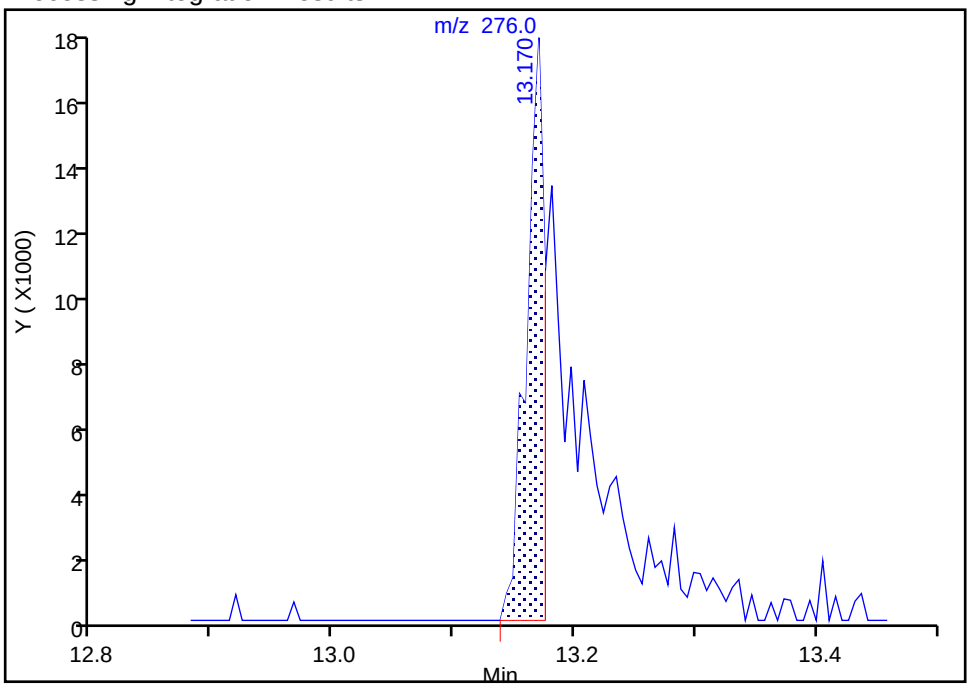
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A17_.D
Injection Date: 24-Jan-2022 19:45:30 Instrument ID: TAC051
Lims ID: STD3
Client ID:
Operator ID: TL ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

105 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

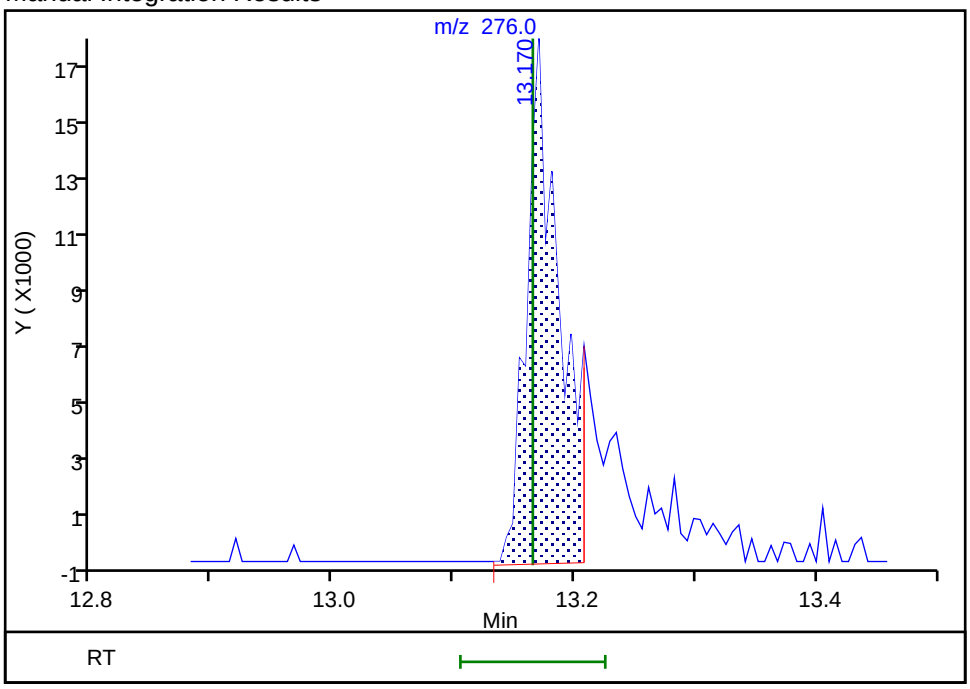
Processing Integration Results

RT: 13.17
Area: 17997
Amount: 40.334029
Amount Units: ug/L



Manual Integration Results

RT: 13.17
Area: 33123
Amount: 56.958718
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:35:40
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Lims ID: STD2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 24-Jan-2022 20:08:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 2
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:07:11 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 25-Jan-2022 15:09:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.489	4.489	0.000	89	31569	100.0	100.0	
* 2 Naphthalene-d8	136	5.499	5.499	0.000	96	109558	100.0	100.0	
* 3 Acenaphthene-d10	164	6.931	6.925	0.006	80	50575	100.0	100.0	
* 4 Phenanthrene-d10	188	8.143	8.138	0.005	88	65799	100.0	100.0	
* 5 Chrysene-d12	240	10.339	10.334	0.005	87	53079	100.0	100.0	
* 6 Perylene-d12	264	11.867	11.862	0.005	80	55387	100.0	100.0	
$ 7 2-Fluorophenol	112	3.485	3.485	0.000	23	4372	20.0	19.6	a
$ 8 Phenol-d5	99	4.211	4.212	-0.001	66	3933	20.0	10.6	
$ 9 Nitrobenzene-d5	82	4.933	4.928	0.005	58	6320	20.0	24.2	
$ 10 2-methylnaphthalene-d10	152	6.054	6.055	-0.001	0	12437	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.386	6.386	0.000	50	12385	20.0	18.4	
$ 13 Fluoranthene-d10 (Surr)	212	9.121	9.116	0.005	0	12432	NC	NC	
16 N-Nitrosodimethylamine	74	2.507	2.475	0.032	52	1186	20.0	33.1	
19 Phenol	94	4.217	4.222	-0.005	2	5644	20.0	17.8	
18 Aniline	93	4.243	4.238	0.005	1	6798	20.0	22.9	
20 Bis(2-chloroethyl)ether	93	4.297	4.297	0.000	59	6005	20.0	22.0	
21 2-Chlorophenol	128	4.324	4.324	0.000	45	7588	20.0	19.9	
22 n-Decane	57	4.377	4.377	0.000	58	5471	20.0	21.9	
23 1,3-Dichlorobenzene	146	4.446	4.447	-0.001	67	7071	20.0	15.5	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	60	10925	20.0	22.1	
26 Benzyl alcohol	79	4.607	4.607	0.000	8	2674	20.0	21.1	
27 1,2-Dichlorobenzene	146	4.623	4.623	0.000	53	10046	20.0	21.7	
28 2-Methylphenol	108	4.698	4.692	0.006	26	4743	20.0	17.9	
29 2,2'-oxybis[1-chloropropane]	45	4.714	4.719	-0.005	49	6254	20.0	20.4	a
30 Acetophenone	105	4.815	4.810	0.005	71	5800	20.0	14.5	
31 N-Nitrosodi-n-propylamine	70	4.820	4.815	0.005	45	2780	20.0	17.7	
32 3 & 4 Methylphenol	108	4.826	4.821	0.005	44	4085	20.0	20.9	
33 Hexachloroethane	117	4.884	4.885	-0.001	55	3510	20.0	19.6	
34 Nitrobenzene	77	4.943	4.944	-0.001	32	2911	20.0	19.6	
35 Isophorone	82	5.141	5.136	0.005	64	8330	20.0	17.9	
36 2-Nitrophenol	139	5.200	5.200	0.000	3	2689	20.0	21.4	a

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
37 2,4-Dimethylphenol	107	5.242	5.243	-0.001	49	3867	20.0	16.9	
38 Bis(2-chloroethoxy)methane	93	5.323	5.323	0.000	64	4852	20.0	16.6	a
40 2,4-Dichlorophenol	162	5.397	5.392	0.005	1	1576	20.0	22.0	
41 1,2,4-Trichlorobenzene	180	5.456	5.456	0.000	50	7388	20.0	22.1	
42 Naphthalene	128	5.515	5.515	0.000	46	25785	20.0	21.3	
43 4-Chloroaniline	127	5.574	5.569	0.005	32	4821	20.0	37.1	
44 2,6-Dichlorophenol	162	5.574	5.574	0.000	31	4566	20.0	21.6	
45 Hexachlorobutadiene	225	5.622	5.622	0.000	32	4635	20.0	23.3	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	34	16577	20.0	23.2	
48 1-Methylnaphthalene	142	6.161	6.156	0.005	53	15130	20.0	22.3	
50 1,2,4,5-Tetrachlorobenzene	216	6.215	6.215	0.000	36	7413	20.0	20.1	
54 1,1'-Biphenyl	154	6.466	6.461	0.005	61	14875	20.0	20.3	
55 2-Chloronaphthalene	162	6.476	6.471	0.005	60	12526	20.0	21.7	
60 Acenaphthylene	152	6.813	6.808	0.005	63	16248	20.0	16.6	
62 Acenaphthene	153	6.952	6.952	0.000	58	13633	20.0	23.0	
66 Dibenzofuran	168	7.101	7.096	0.005	39	12109	20.0	16.1	
68 Diethyl phthalate	149	7.310	7.299	0.011	40	11668	20.0	17.8	
69 Fluorene	166	7.379	7.374	0.005	45	9642	20.0	16.1	
70 4-Chlorophenyl phenyl ether	204	7.390	7.385	0.005	26	4536	20.0	16.5	
73 N-Nitrosodiphenylamine	169	7.491	7.481	0.010	1	5128	20.0	14.7	
74 Azobenzene	77	7.518	7.513	0.005	37	6057	20.0	20.4	
75 4-Bromophenyl phenyl ether	248	7.785	7.786	-0.001	1	1411	20.0	19.5	
79 n-Octadecane	57	8.095	8.085	0.010	10	4675	20.0	23.8	
80 Phenanthrene	178	8.159	8.160	0.000	40	15103	20.0	17.8	
81 Anthracene	178	8.202	8.197	0.005	26	9538	20.0	19.4	a
83 Carbazole	167	8.368	8.336	0.032	1	7728	20.0	17.1	
84 Di-n-butyl phthalate	149	8.651	8.646	0.005	60	23632	20.0	22.5	
85 Fluoranthene	202	9.131	9.132	-0.001	58	15483	20.0	19.5	
89 Pyrene	202	9.318	9.313	0.005	76	15300	20.0	16.7	
94 Butyl benzyl phthalate	149	9.874	9.869	0.005	5	6796	20.0	25.3	
96 3,3'-Dichlorobenzidine	252	10.328	10.318	0.010	1	2536	40.0	38.1	
97 Benzo[a]anthracene	228	10.333	10.323	0.010	9	11529	20.0	23.9	a
99 Chrysene	228	10.366	10.360	0.006	41	22332	20.0	19.6	
98 Bis(2-ethylhexyl) phthalate	149	10.398	10.393	0.006	45	10145	20.0	20.5	a
101 Benzo[b]fluoranthene	252	11.434	11.424	0.010	57	11195	20.0	20.5	
102 Benzofluoranthene	252	11.434	11.456	-0.022	1	30007	40.0	44.1	a
103 Benzo[k]fluoranthene	252	11.461	11.456	0.005	19	15142	20.0	20.4	a
104 Benzo[a]pyrene	252	11.803	11.792	0.011	27	9067	20.0	20.8	
105 Indeno[1,2,3-cd]pyrene	276	13.186	13.165	0.021	54	6230	20.0	20.7	
106 Dibenz(a,h)anthracene	278	13.218	13.208	0.010	1	4172	20.0	20.8	
107 Benzo[g,h,i]perylene	276	13.501	13.496	0.005	55	13798	20.0	23.0	Ma

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270SIM_IS_00069	Amount Added: 6.00	Units: uL
8270ccvl_50_00039	Amount Added: 400.00	Units: uL

Report Date: 28-Jan-2022 17:07:12 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D

Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051

Lims ID: STD2

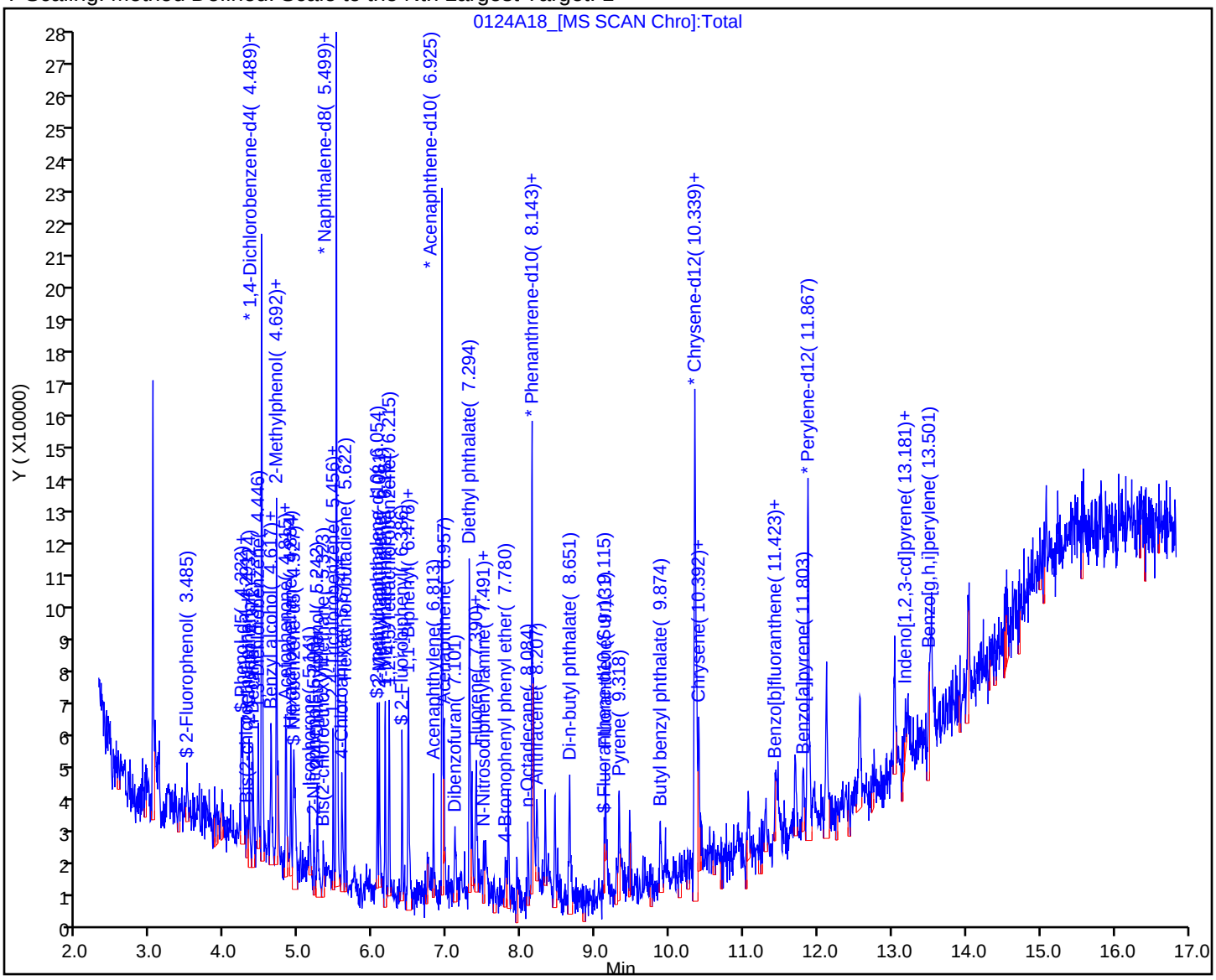
Client ID:

Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

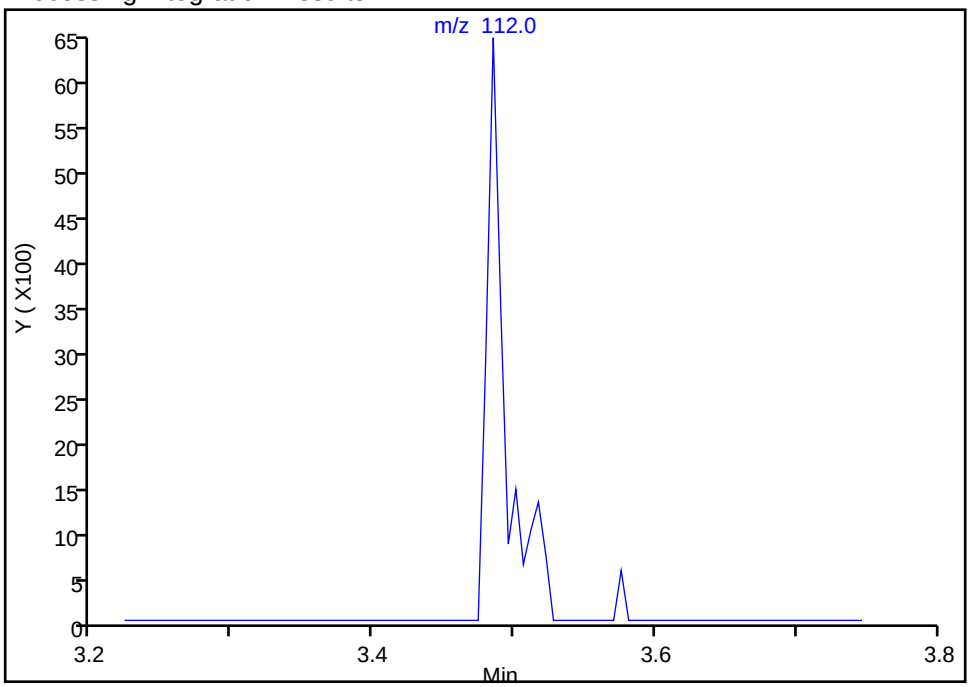
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

$ 7 2-Fluorophenol, CAS: 367-12-4

Signal: 1

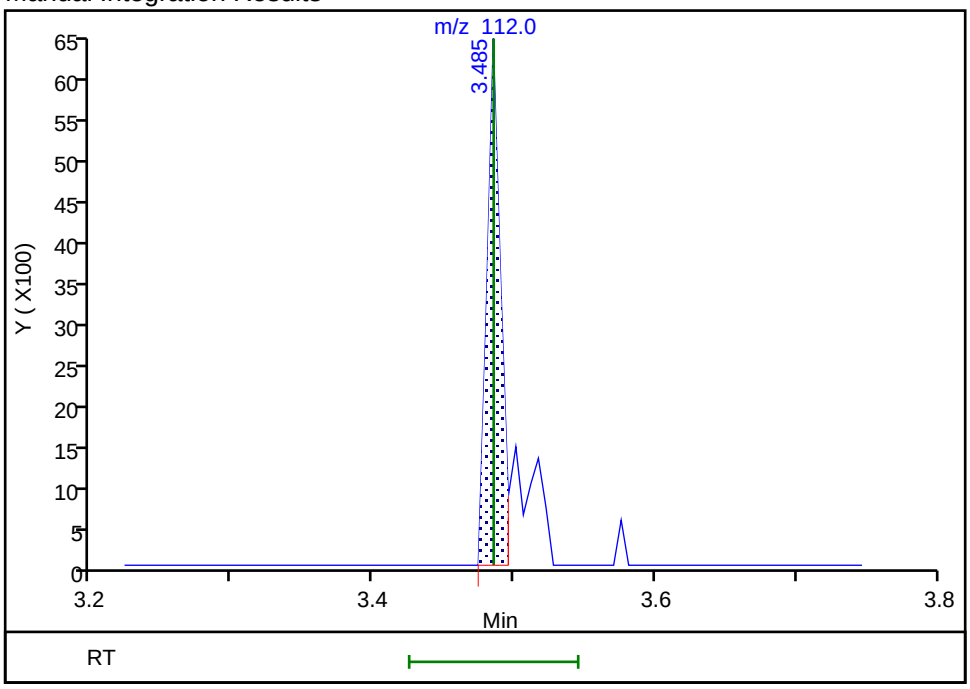
Processing Integration Results

Not Detected
Expected RT: 3.49



Manual Integration Results

RT: 3.48
Area: 4372
Amount: 19.589470
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:57:44
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle

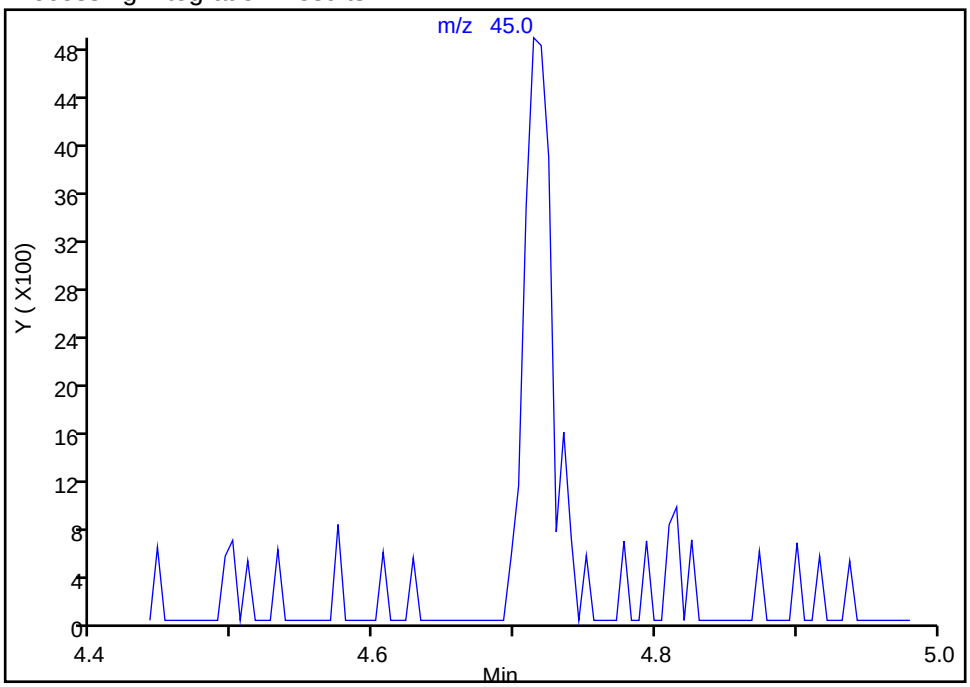
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

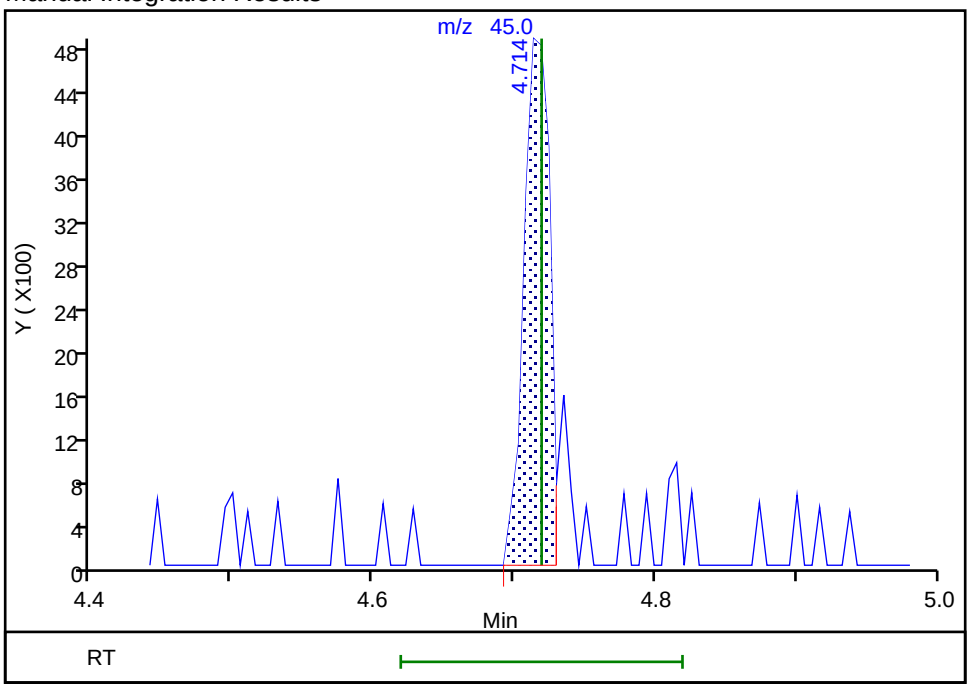
Not Detected
Expected RT: 4.72

Processing Integration Results



Manual Integration Results

RT: 4.71
Area: 6254
Amount: 20.415665
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:58:02
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle

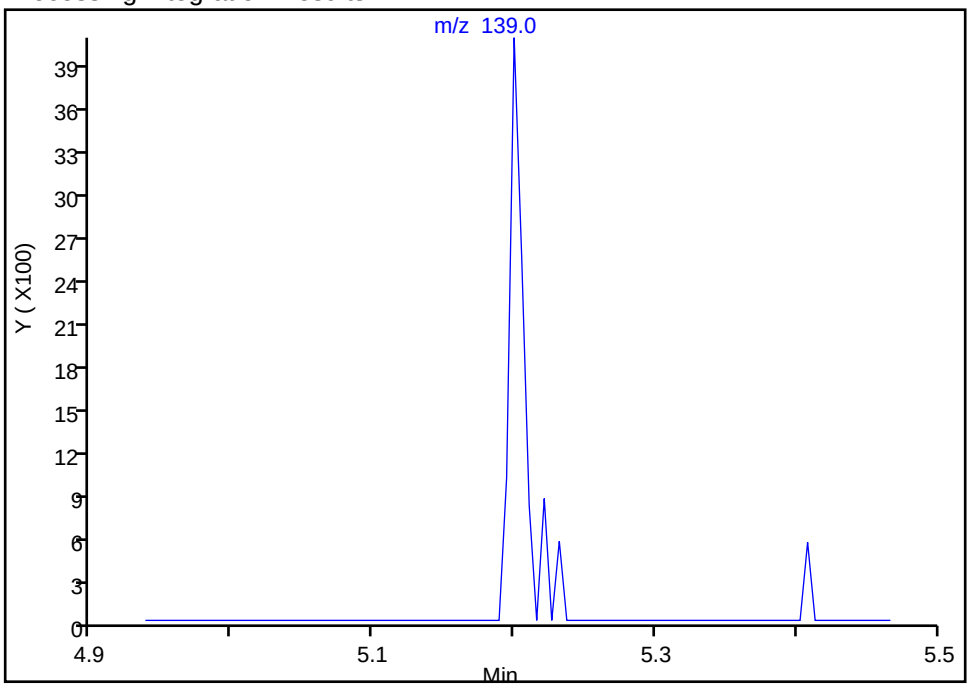
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

36 2-Nitrophenol, CAS: 88-75-5

Signal: 1

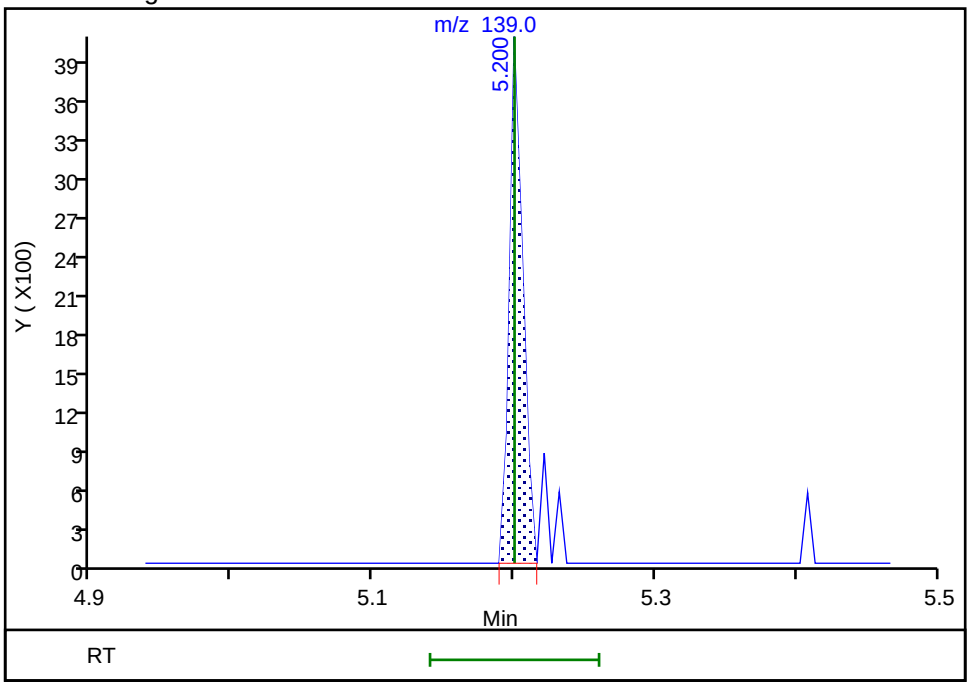
Not Detected
Expected RT: 5.20

Processing Integration Results



Manual Integration Results

RT: 5.20
Area: 2689
Amount: 21.366336
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 13:58:26
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

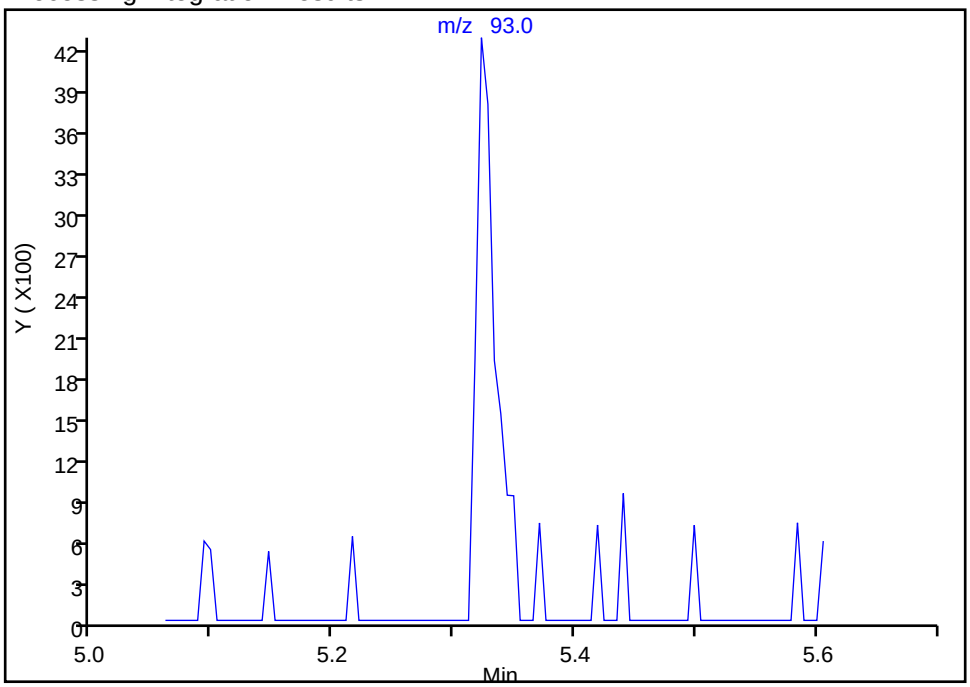
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

38 Bis(2-chloroethoxy)methane, CAS: 111-91-1

Signal: 1

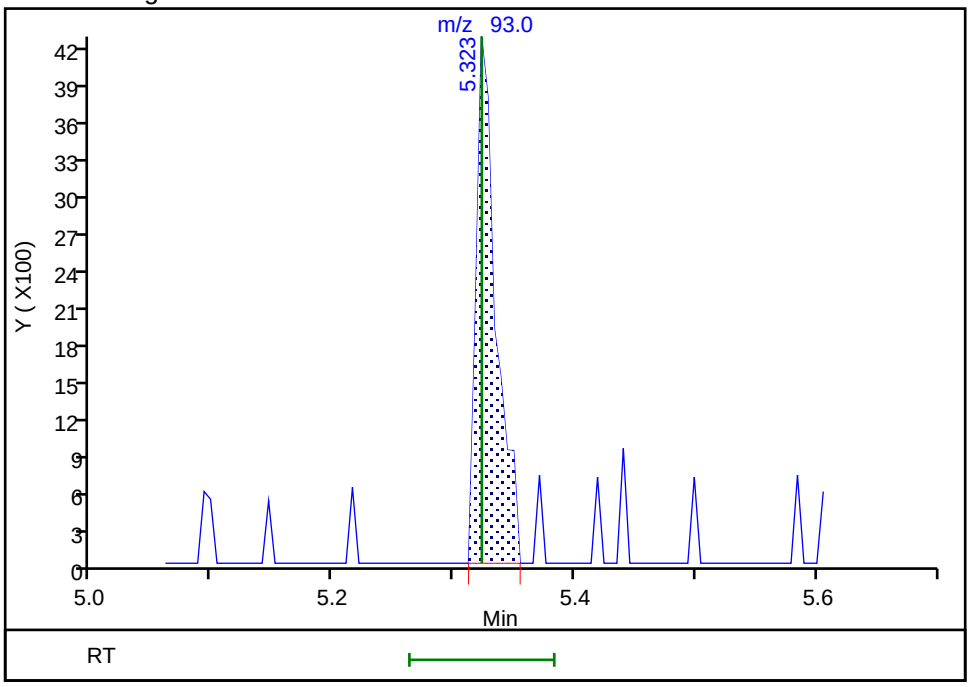
Not Detected
Expected RT: 5.32

Processing Integration Results



Manual Integration Results

RT: 5.32
Area: 4852
Amount: 16.646377
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 15:08:16
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle

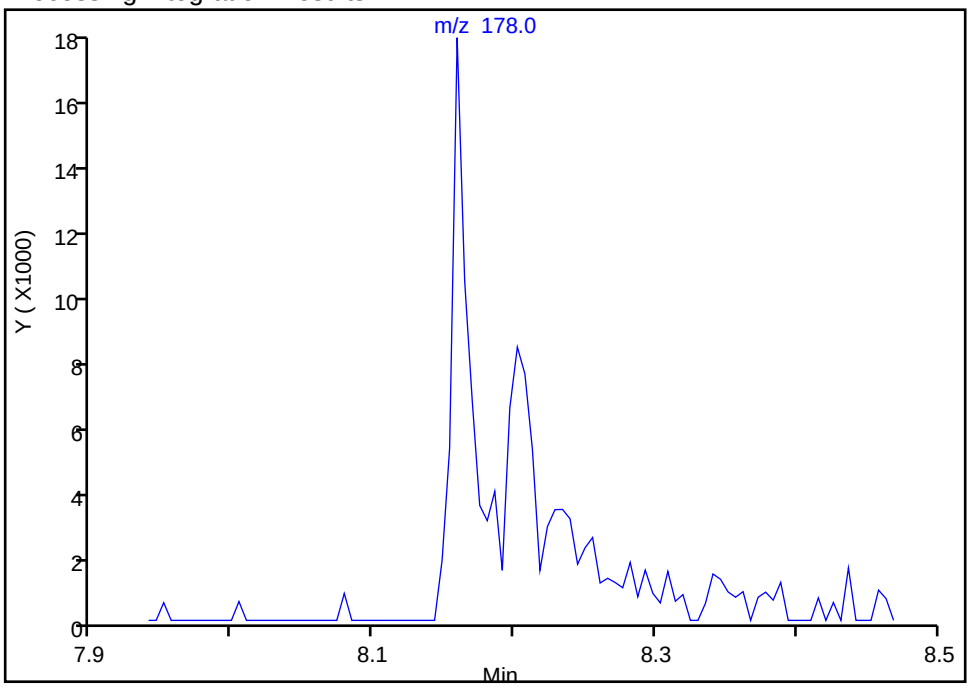
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

81 Anthracene, CAS: 120-12-7

Signal: 1

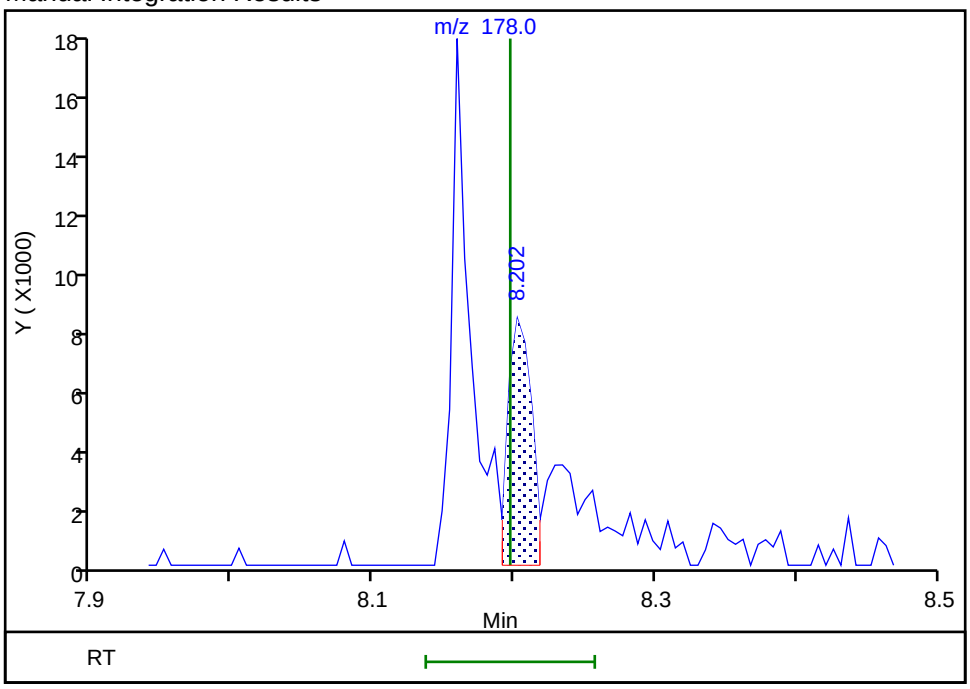
Not Detected
Expected RT: 8.20

Processing Integration Results



Manual Integration Results

RT: 8.20
Area: 9538
Amount: 19.376864
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:34:24
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

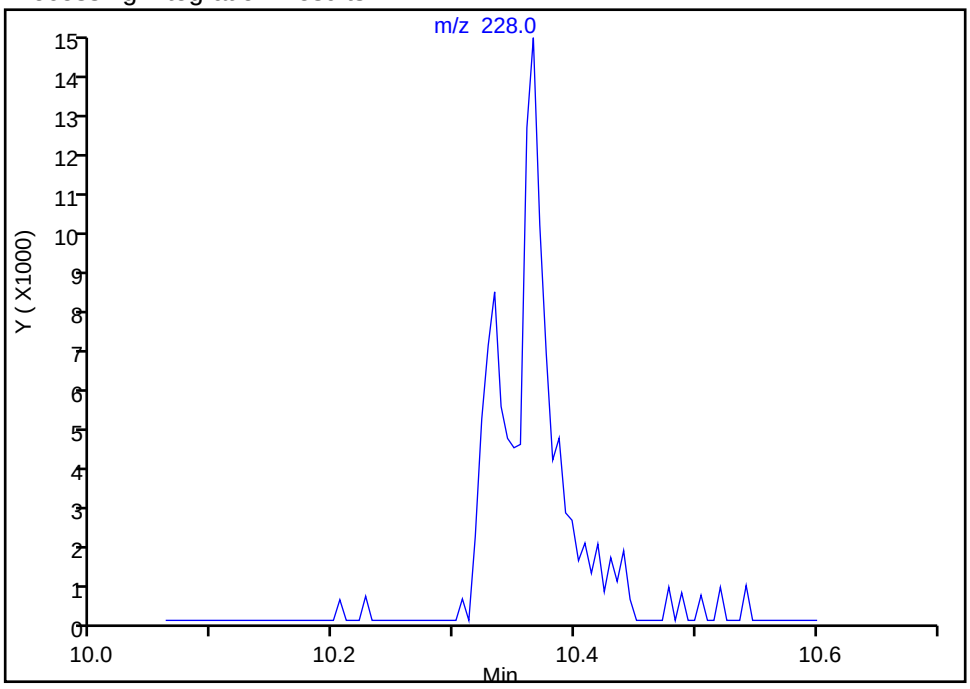
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

97 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

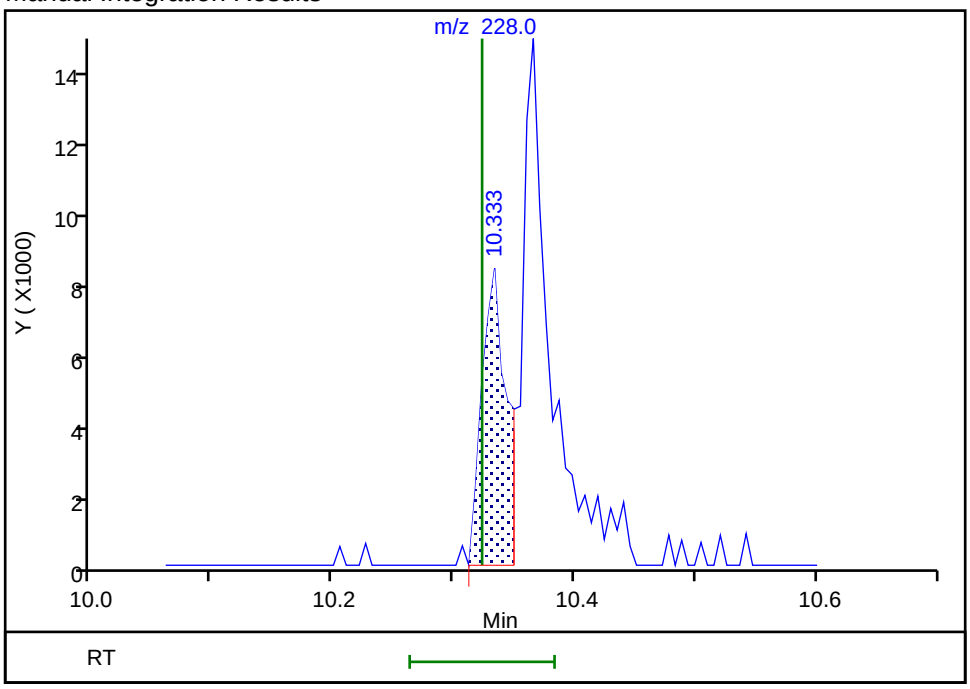
Not Detected
Expected RT: 10.32

Processing Integration Results



Manual Integration Results

RT: 10.33
Area: 11529
Amount: 23.907867
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:34:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle

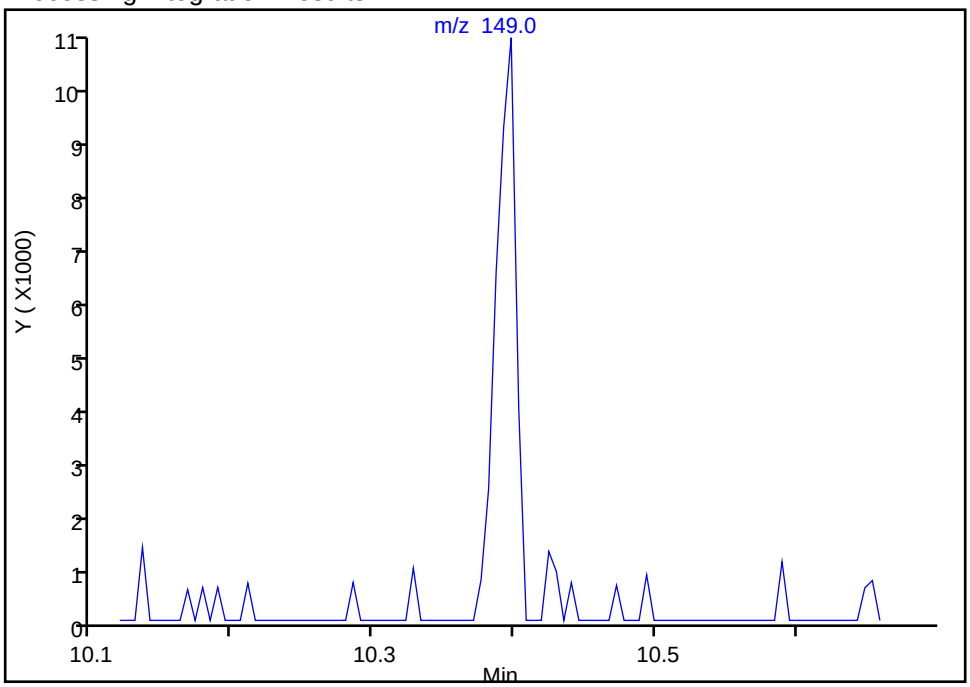
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

98 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

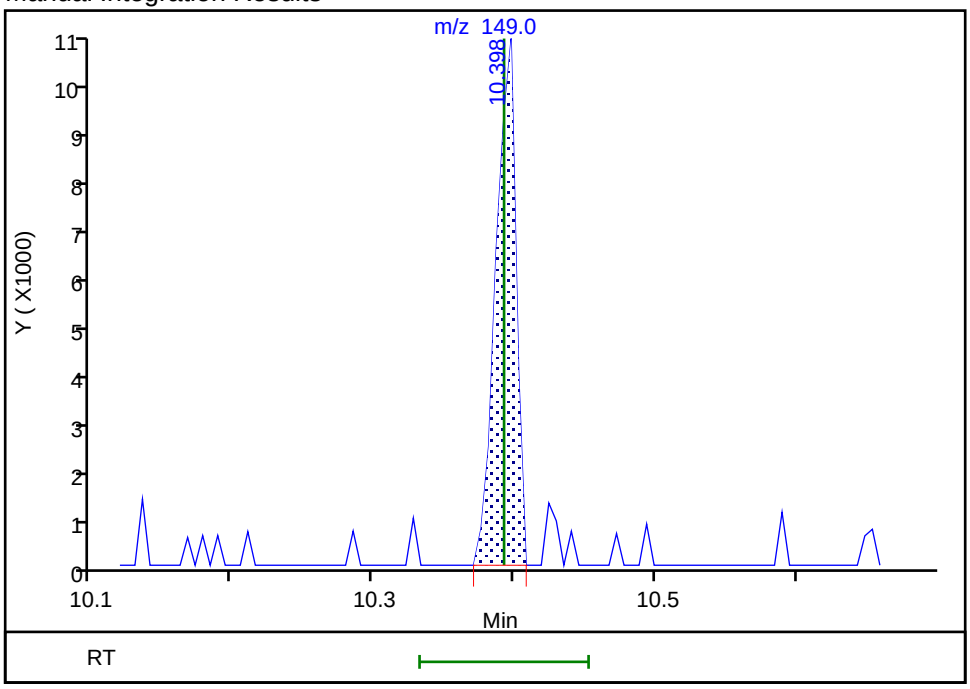
Not Detected
Expected RT: 10.39

Processing Integration Results



Manual Integration Results

RT: 10.40
Area: 10145
Amount: 20.547476
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:34:43
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

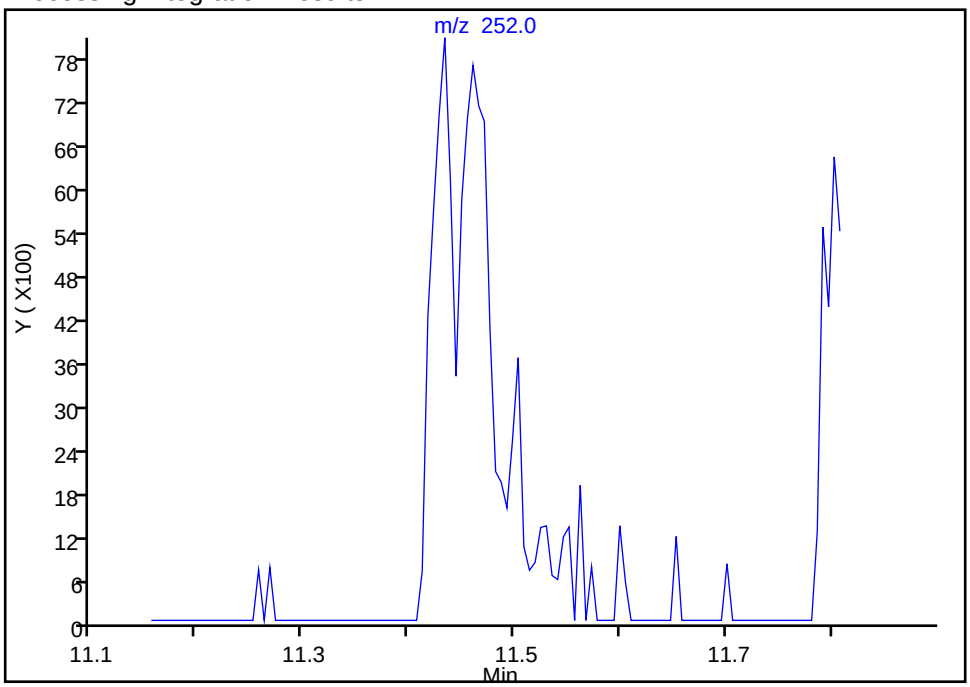
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

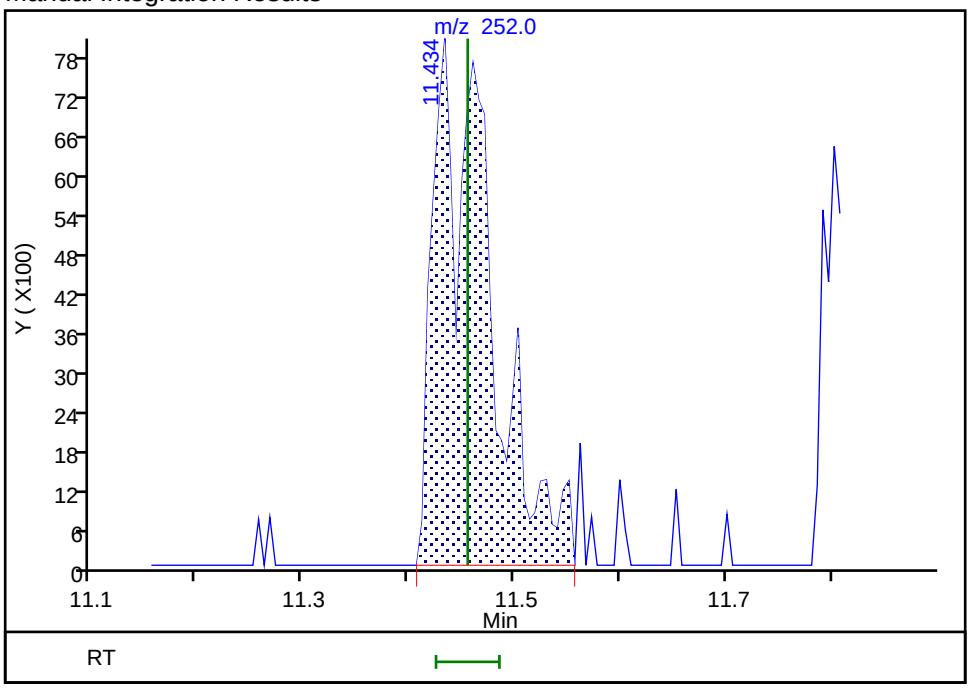
Not Detected
Expected RT: 11.46

Processing Integration Results



Manual Integration Results

RT: 11.43
Area: 30007
Amount: 44.086950
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:34:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

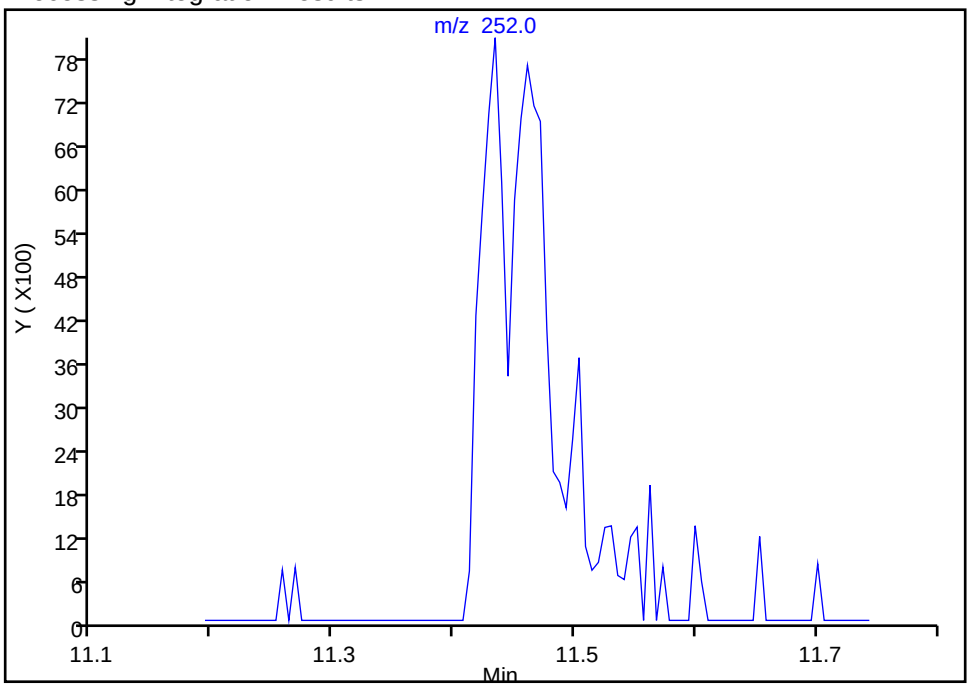
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

103 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

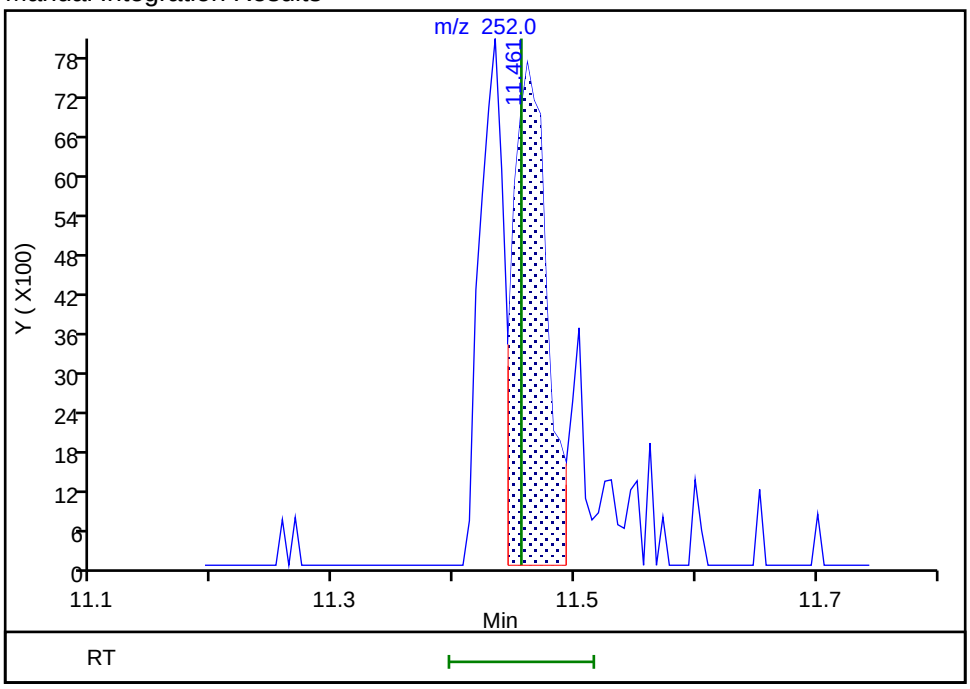
Not Detected
Expected RT: 11.46

Processing Integration Results



Manual Integration Results

RT: 11.46
Area: 15142
Amount: 20.364581
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:34:52
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

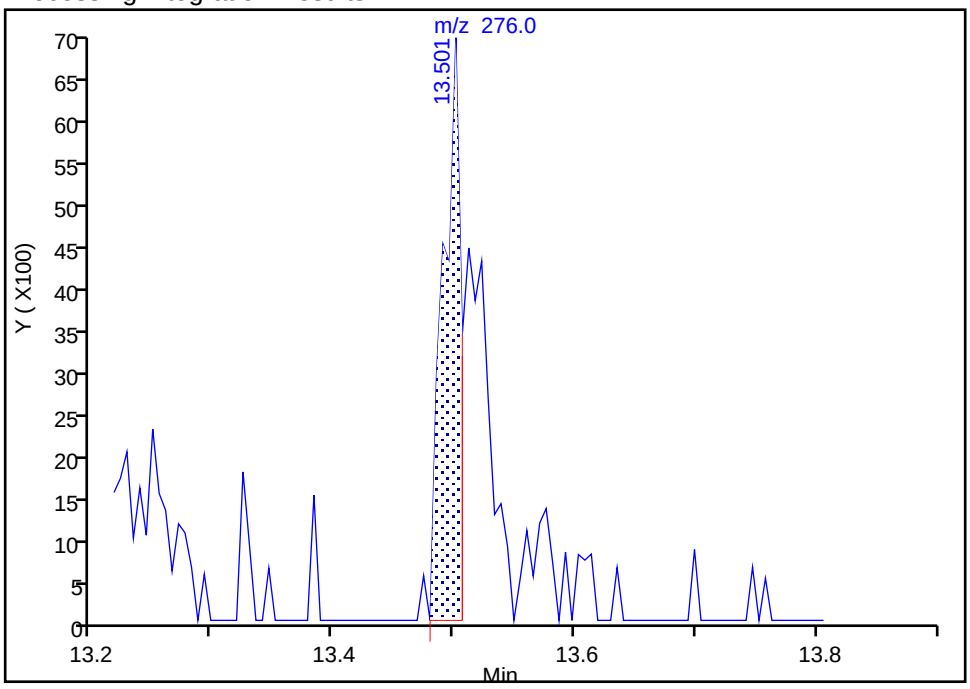
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A18_.D
Injection Date: 24-Jan-2022 20:08:30 Instrument ID: TAC051
Lims ID: STD2
Client ID:
Operator ID: TL ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

107 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

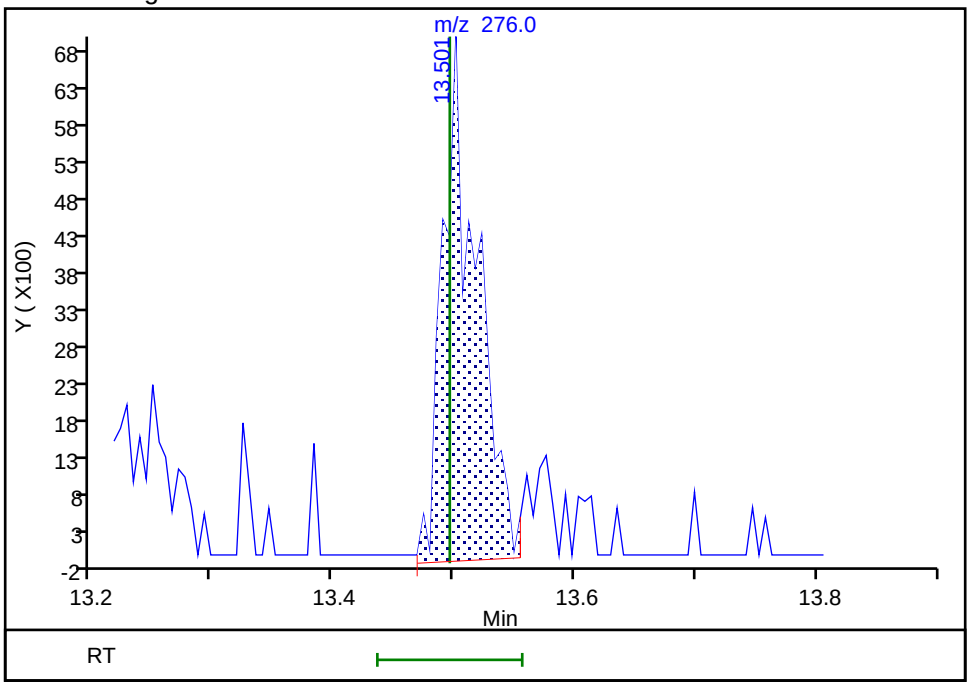
Processing Integration Results

RT: 13.50
Area: 7055
Amount: 16.152259
Amount Units: ug/L



Manual Integration Results

RT: 13.50
Area: 13798
Amount: 22.978969
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:35:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D
Lims ID: STD1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 24-Jan-2022 20:31:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 1
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:07:15 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 26-Jan-2022 13:59:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.490	4.489	0.001	85	28063	100.0	100.0	
* 2 Naphthalene-d8	136	5.500	5.499	0.001	95	102392	100.0	100.0	
* 3 Acenaphthene-d10	164	6.926	6.925	0.001	84	41597	100.0	100.0	
* 4 Phenanthrene-d10	188	8.144	8.138	0.006	76	50974	100.0	100.0	
* 5 Chrysene-d12	240	10.340	10.334	0.006	76	41671	100.0	100.0	
* 6 Perylene-d12	264	11.868	11.862	0.006	80	53713	100.0	100.0	
$ 8 Phenol-d5	99	4.218	4.212	0.006	13	2646	10.0	7.61	
$ 9 Nitrobenzene-d5	82	4.934	4.928	0.006	27	1979	10.0	8.12	
$ 10 2-methylnaphthalene-d10	152	6.056	6.055	0.001	0	6906	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.392	6.386	0.006	6	6419	10.0	11.6	
$ 13 Fluoranthene-d10 (Surr)	212	9.117	9.116	0.001	0	6513	NC	NC	
19 Phenol	94	4.223	4.222	0.001	1	2386	10.0	8.47	
18 Aniline	93	4.239	4.238	0.001	1	1362	10.0	9.65	
21 2-Chlorophenol	128	4.325	4.324	0.001	23	3140	10.0	9.24	
22 n-Decane	57	4.373	4.377	-0.004	18	2806	10.0	12.7	
23 1,3-Dichlorobenzene	146	4.448	4.447	0.001	30	4574	10.0	11.3	
25 1,4-Dichlorobenzene	146	4.506	4.505	0.001	43	5549	10.0	12.6	
27 1,2-Dichlorobenzene	146	4.619	4.623	-0.004	33	4632	10.0	11.3	
28 2-Methylphenol	108	4.699	4.692	0.007	16	2004	10.0	8.51	
30 Acetophenone	105	4.811	4.810	0.001	27	4164	10.0	11.7	
31 N-Nitrosodi-n-propylamine	70	4.822	4.815	0.007	4	1197	10.0	8.56	
32 3 & 4 Methylphenol	108	4.822	4.821	0.001	10	1350	10.0	11.6	
35 Isophorone	82	5.142	5.136	0.006	53	4301	10.0	10.4	
37 2,4-Dimethylphenol	107	5.249	5.243	0.006	2	1700	10.0	10.7	
38 Bis(2-chloroethoxy)methane	93	5.324	5.323	0.001	45	2800	10.0	10.8	
40 2,4-Dichlorophenol	162	5.398	5.392	0.006	1	1005	10.0	20.3	
41 1,2,4-Trichlorobenzene	180	5.463	5.456	0.007	1	3183	10.0	10.2	
42 Naphthalene	128	5.516	5.515	0.001	35	11849	10.0	9.66	
43 4-Chloroaniline	127	5.580	5.569	0.011	1	1191	10.0	28.1	
44 2,6-Dichlorophenol	162	5.580	5.574	0.006	1	776	10.0	7.97	
45 Hexachlorobutadiene	225	5.623	5.622	0.001	6	2375	10.0	12.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
47 2-Methylnaphthalene	142	6.082	6.081	0.001	25	7132	10.0	10.7	
48 1-Methylnaphthalene	142	6.162	6.156	0.006	29	6222	10.0	9.82	
50 1,2,4,5-Tetrachlorobenzene	216	6.216	6.215	0.001	1	1741	10.0	0.1954	
54 1,1'-Biphenyl	154	6.467	6.461	0.006	23	6895	10.0	11.4	
55 2-Chloronaphthalene	162	6.483	6.471	0.012	1	4352	10.0	9.18	
60 Acenaphthylene	152	6.814	6.808	0.006	38	9229	10.0	10.8	
62 Acenaphthene	153	6.953	6.952	0.001	41	5365	10.0	11.0	
70 4-Chlorophenyl phenyl ether	204	7.391	7.385	0.006	1	1057	10.0	4.66	
74 Azobenzene	77	7.519	7.513	0.006	1	1688	10.0	9.80	
75 4-Bromophenyl phenyl ether	248	7.802	7.786	0.016	1	1207	10.0	20.5	
79 n-Octadecane	57	8.080	8.085	-0.005	5	1032	10.0	7.95	
80 Phenanthrene	178	8.160	8.160	0.001	1	7355	10.0	10.4	
81 Anthracene	178	8.208	8.197	0.011	1	1967	10.0	10.7	
85 Fluoranthene	202	9.143	9.132	0.011	14	7321	10.0	12.1	
89 Pyrene	202	9.320	9.313	0.007	66	9646	10.0	13.3	
99 Chrysene	228	10.361	10.360	0.001	16	5585	10.0	-1.76	
101 Benzo[b]fluoranthene	252	11.424	11.424	0.000	22	2829	10.0	7.06	
102 Benzofluoranthene	252	11.456	11.456	0.000	1	15165	20.0	23.0	
103 Benzo[k]fluoranthene	252	11.456	11.456	0.000	1	8752	10.0	12.1	
104 Benzo[a]pyrene	252	11.798	11.792	0.006	16	2640	10.0	9.62	
106 Dibenz(a,h)anthracene	278	13.209	13.208	0.001	1	1159	10.0	15.9	
107 Benzo[g,h,i]perylene	276	13.508	13.496	0.012	15	5131	10.0	11.1	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069	Amount Added: 8.00	Units: uL
8270ccvl_50_00039	Amount Added: 200.00	Units: uL

Report Date: 28-Jan-2022 17:07:16 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Injection Date: 24-Jan-2022 20:31:30 Instrument ID: TAC051

Lims ID: STD1

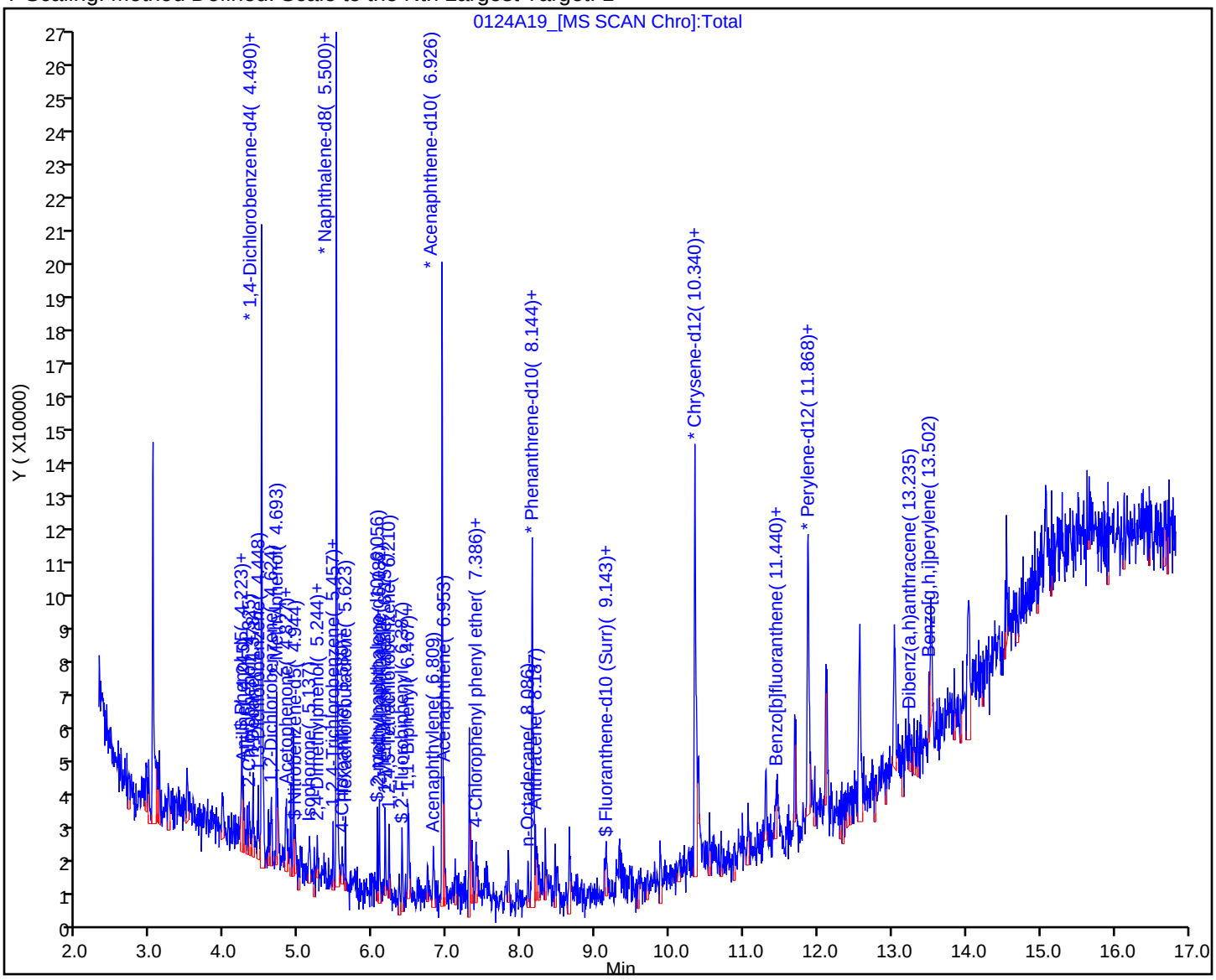
Client ID:

Operator ID: TL ALS Bottle#: 13 Worklist Smp#: 13

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Calibration / N-Nitrosodimethylamine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

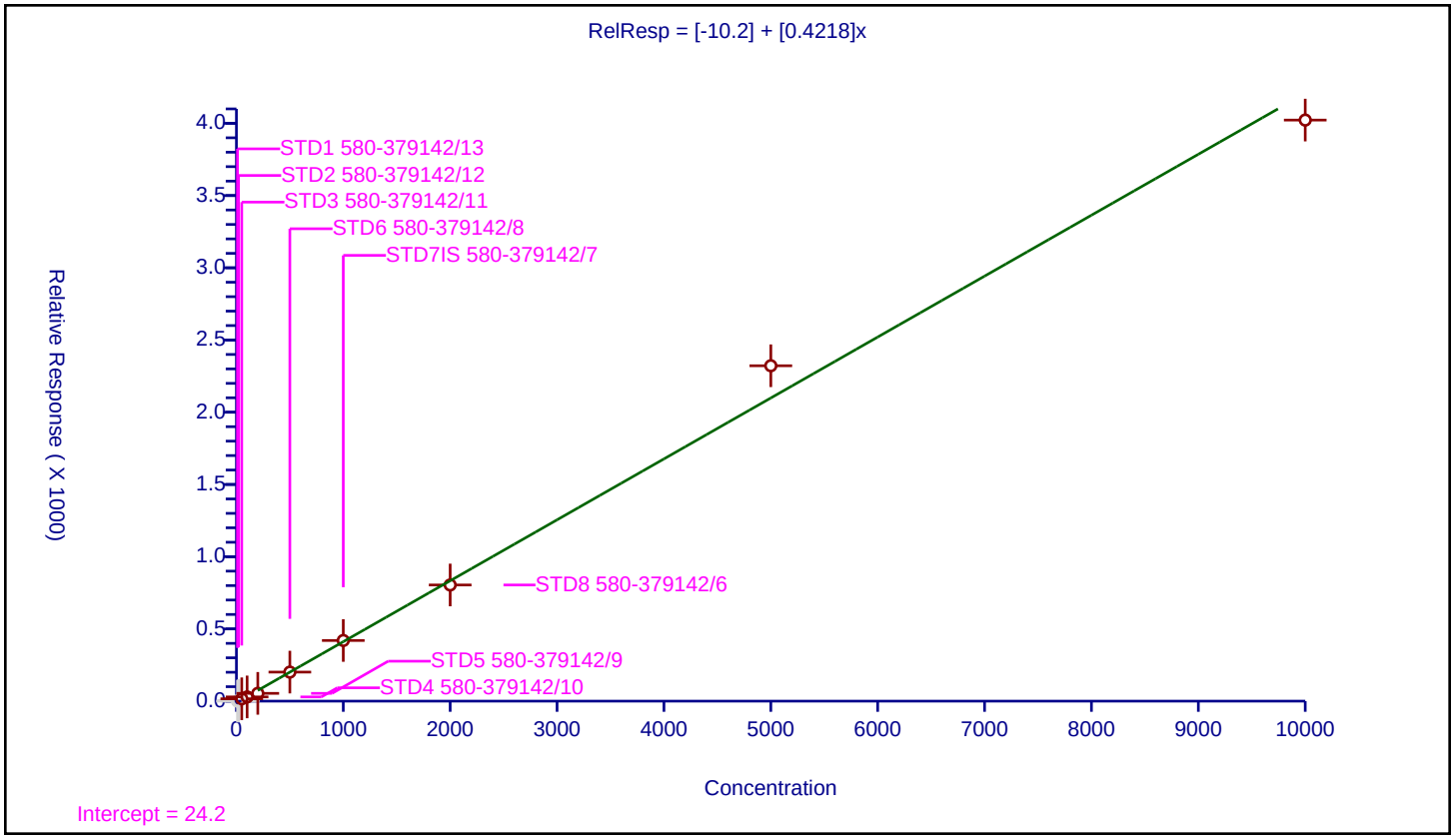
Curve Coefficients

Intercept:	-10.2
Slope:	0.4218

Error Coefficients

Standard Error:	671000
Relative Standard Error:	15.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	3.75685	100.0	31569.0	0.187843	N
3	STD3 580-379142/11	50.0	16.31277	100.0	33814.0	0.326255	Y
4	STD4 580-379142/10	100.0	29.190256	100.0	34443.0	0.291903	Y
5	STD5 580-379142/9	200.0	53.962481	100.0	32997.0	0.269812	Y
6	STD6 580-379142/8	500.0	201.043473	100.0	32296.0	0.402087	Y
7	STD7IS 580-379142/7	1000.0	419.850473	100.0	32770.0	0.41985	Y
8	STD8 580-379142/6	2000.0	804.234022	100.0	33467.0	0.402117	Y
9	STD9 580-379142/5	5000.0	2321.778069	100.0	32046.0	0.464356	Y
10	STD10 580-379142/4	10000.0	4022.611055	100.0	35748.0	0.402261	Y



Calibration / Pyridine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

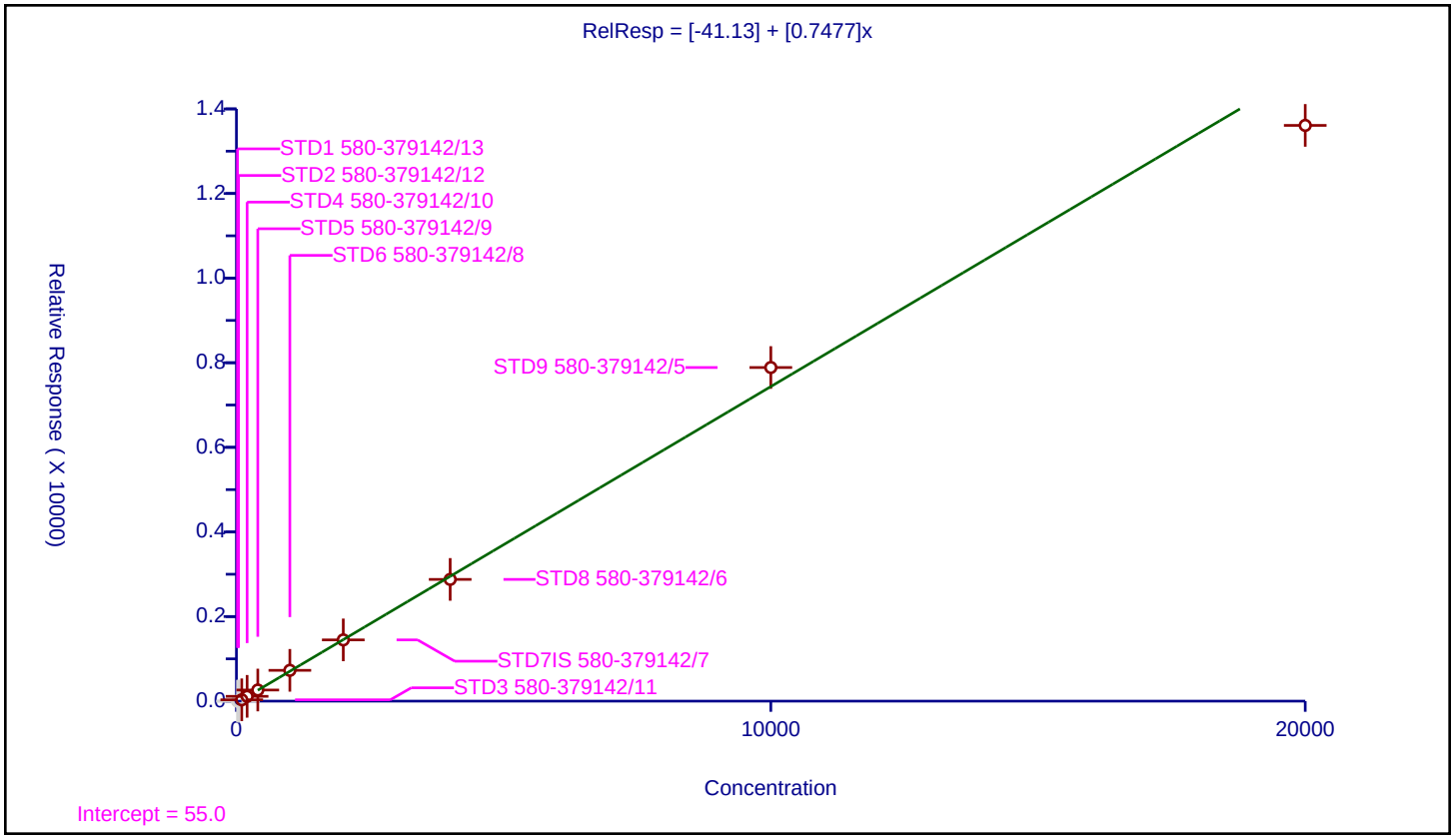
Curve Coefficients

Intercept:	-41.13
Slope:	0.7477

Error Coefficients

Standard Error:	2280000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	31569.0	0.0	N
3	STD3 580-379142/11	100.0	31.874372	100.0	33814.0	0.318744	Y
4	STD4 580-379142/10	200.0	113.637023	100.0	34443.0	0.568185	Y
5	STD5 580-379142/9	400.0	262.645089	100.0	32997.0	0.656613	Y
6	STD6 580-379142/8	1000.0	727.963215	100.0	32296.0	0.727963	Y
7	STD7IS 580-379142/7	2000.0	1447.49466	100.0	32770.0	0.723747	Y
8	STD8 580-379142/6	4000.0	2877.805002	100.0	33467.0	0.719451	Y
9	STD9 580-379142/5	10000.0	7886.394558	100.0	32046.0	0.788639	Y
10	STD10 580-379142/4	20000.0	13609.424303	100.0	35748.0	0.680471	Y



Calibration / 2-Fluorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

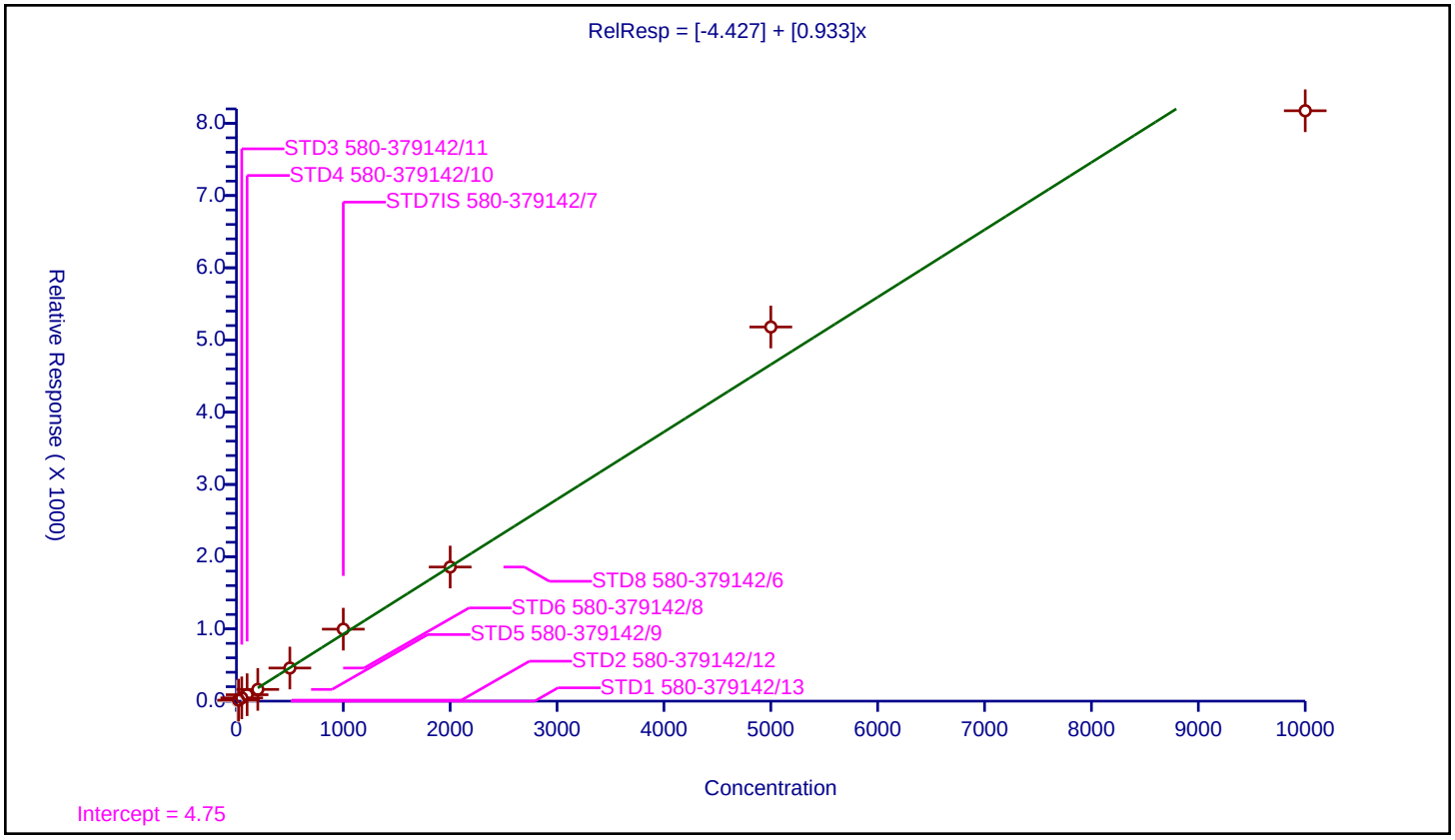
Curve Coefficients

Intercept:	-4.427
Slope:	0.933

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	8.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	13.849029	100.0	31569.0	0.692451	Y
3	STD3 580-379142/11	50.0	45.634944	100.0	33814.0	0.912699	Y
4	STD4 580-379142/10	100.0	89.13277	100.0	34443.0	0.891328	Y
5	STD5 580-379142/9	200.0	162.317786	100.0	32997.0	0.811589	Y
6	STD6 580-379142/8	500.0	458.403517	100.0	32296.0	0.916807	Y
7	STD7IS 580-379142/7	1000.0	996.747025	100.0	32770.0	0.996747	Y
8	STD8 580-379142/6	2000.0	1856.873936	100.0	33467.0	0.928437	Y
9	STD9 580-379142/5	5000.0	5180.184734	100.0	32046.0	1.036037	Y
10	STD10 580-379142/4	10000.0	8174.342621	100.0	35748.0	0.817434	Y



Calibration / Phenol-d5

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

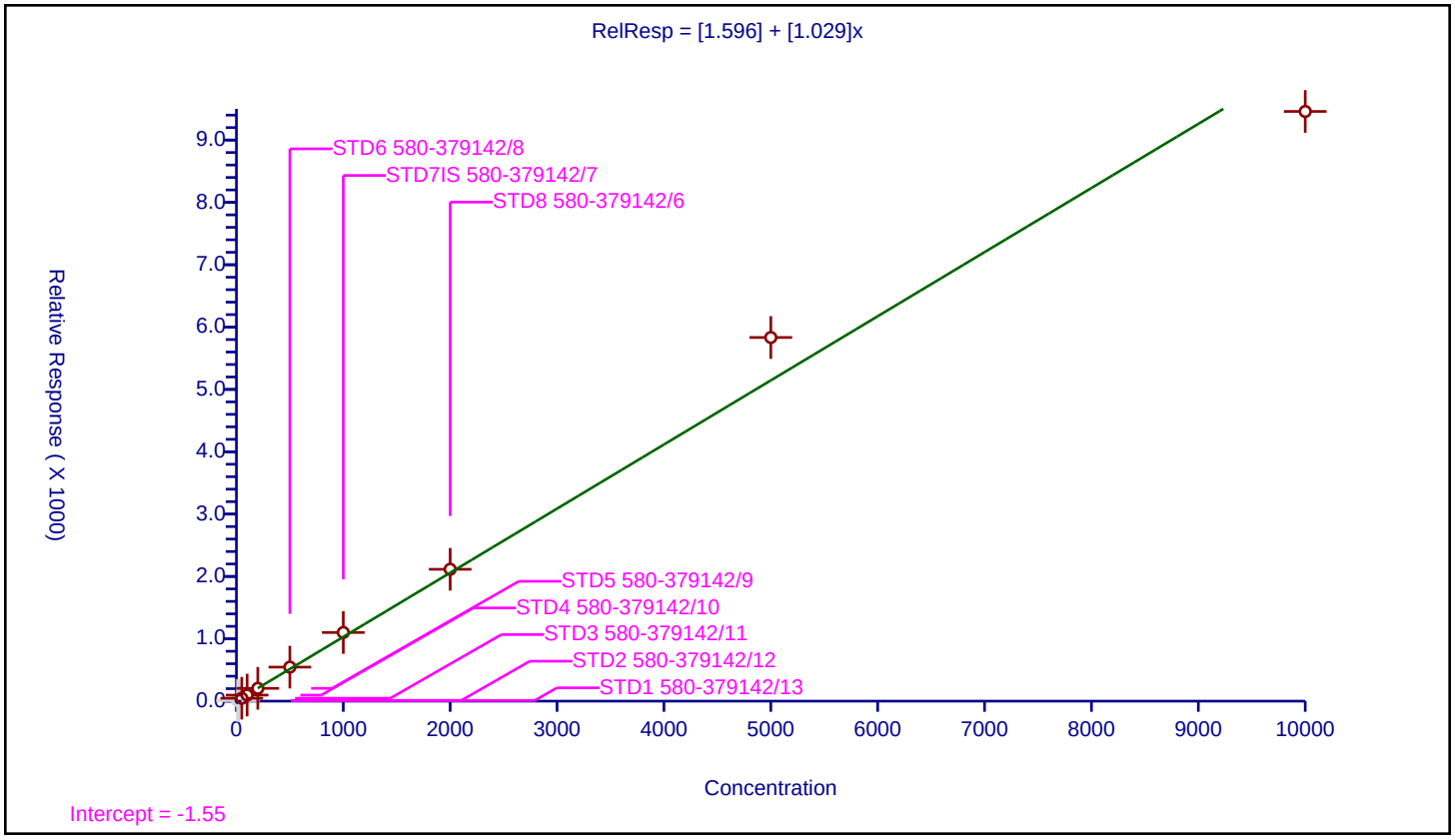
Curve Coefficients

Intercept:	1.596
Slope:	1.029

Error Coefficients

Standard Error:	1610000
Relative Standard Error:	9.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	9.428785	100.0	28063.0	0.942879	N
2	STD2 580-379142/12	20.0	12.458424	100.0	31569.0	0.622921	N
3	STD3 580-379142/11	50.0	46.601999	100.0	33814.0	0.93204	Y
4	STD4 580-379142/10	100.0	96.995035	100.0	34443.0	0.96995	Y
5	STD5 580-379142/9	200.0	205.267145	100.0	32997.0	1.026336	Y
6	STD6 580-379142/8	500.0	545.925192	100.0	32296.0	1.09185	Y
7	STD7IS 580-379142/7	1000.0	1101.031431	100.0	32770.0	1.101031	Y
8	STD8 580-379142/6	2000.0	2114.859414	100.0	33467.0	1.05743	Y
9	STD9 580-379142/5	5000.0	5833.31461	100.0	32046.0	1.166663	Y
10	STD10 580-379142/4	10000.0	9458.965537	100.0	35748.0	0.945897	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

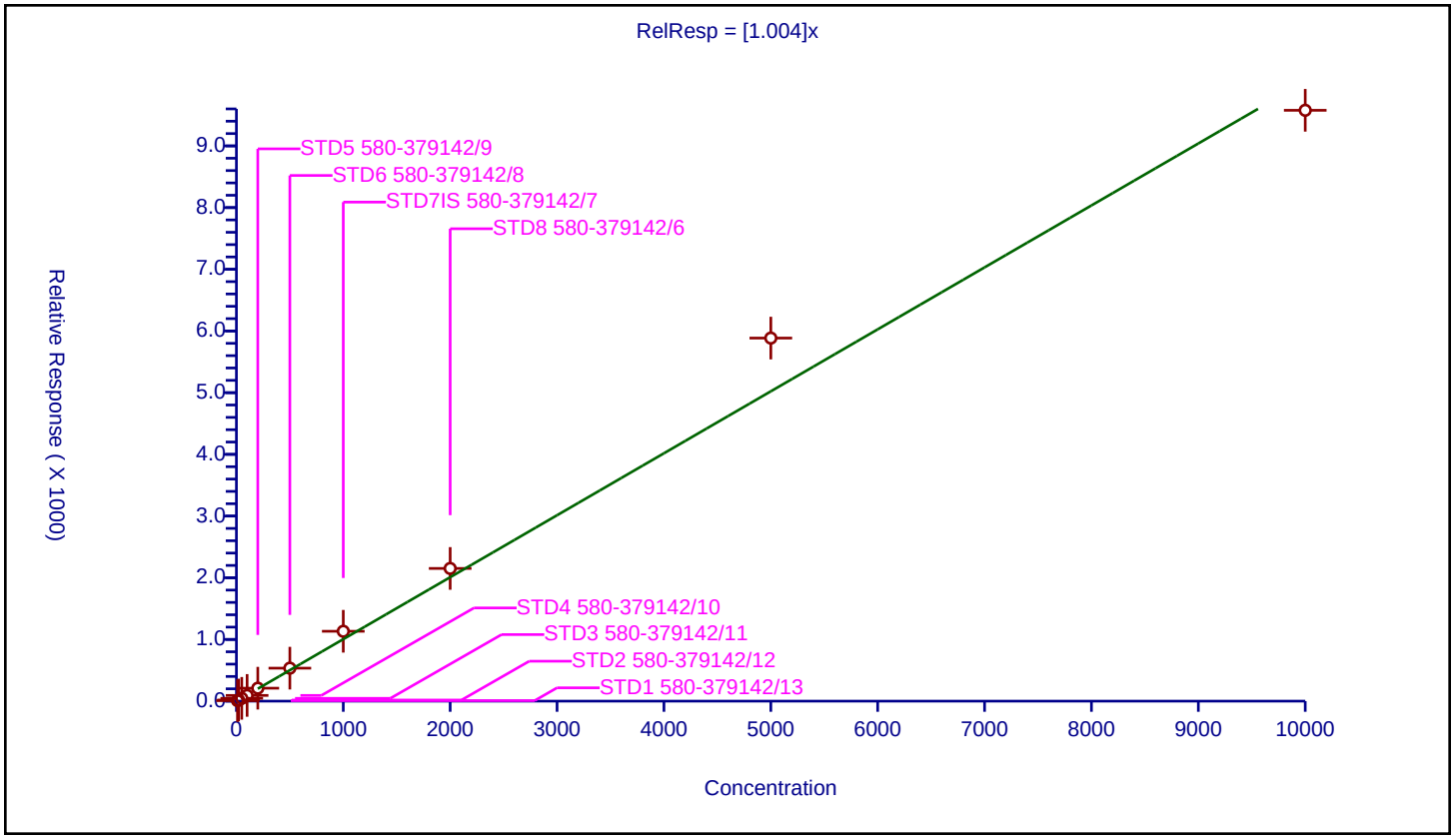
Curve Coefficients

Intercept:	0
Slope:	1.004

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	11.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	8.502298	100.0	28063.0	0.85023	Y
2	STD2 580-379142/12	20.0	17.878298	100.0	31569.0	0.893915	Y
3	STD3 580-379142/11	50.0	45.623115	100.0	33814.0	0.912462	Y
4	STD4 580-379142/10	100.0	92.58485	100.0	34443.0	0.925849	Y
5	STD5 580-379142/9	200.0	209.906961	100.0	32997.0	1.049535	Y
6	STD6 580-379142/8	500.0	534.512014	100.0	32296.0	1.069024	Y
7	STD7IS 580-379142/7	1000.0	1132.541959	100.0	32770.0	1.132542	Y
8	STD8 580-379142/6	2000.0	2150.94272	100.0	33467.0	1.075471	Y
9	STD9 580-379142/5	5000.0	5884.82806	100.0	32046.0	1.176966	Y
10	STD10 580-379142/4	10000.0	9577.291037	100.0	35748.0	0.957729	Y



Calibration / Aniline

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

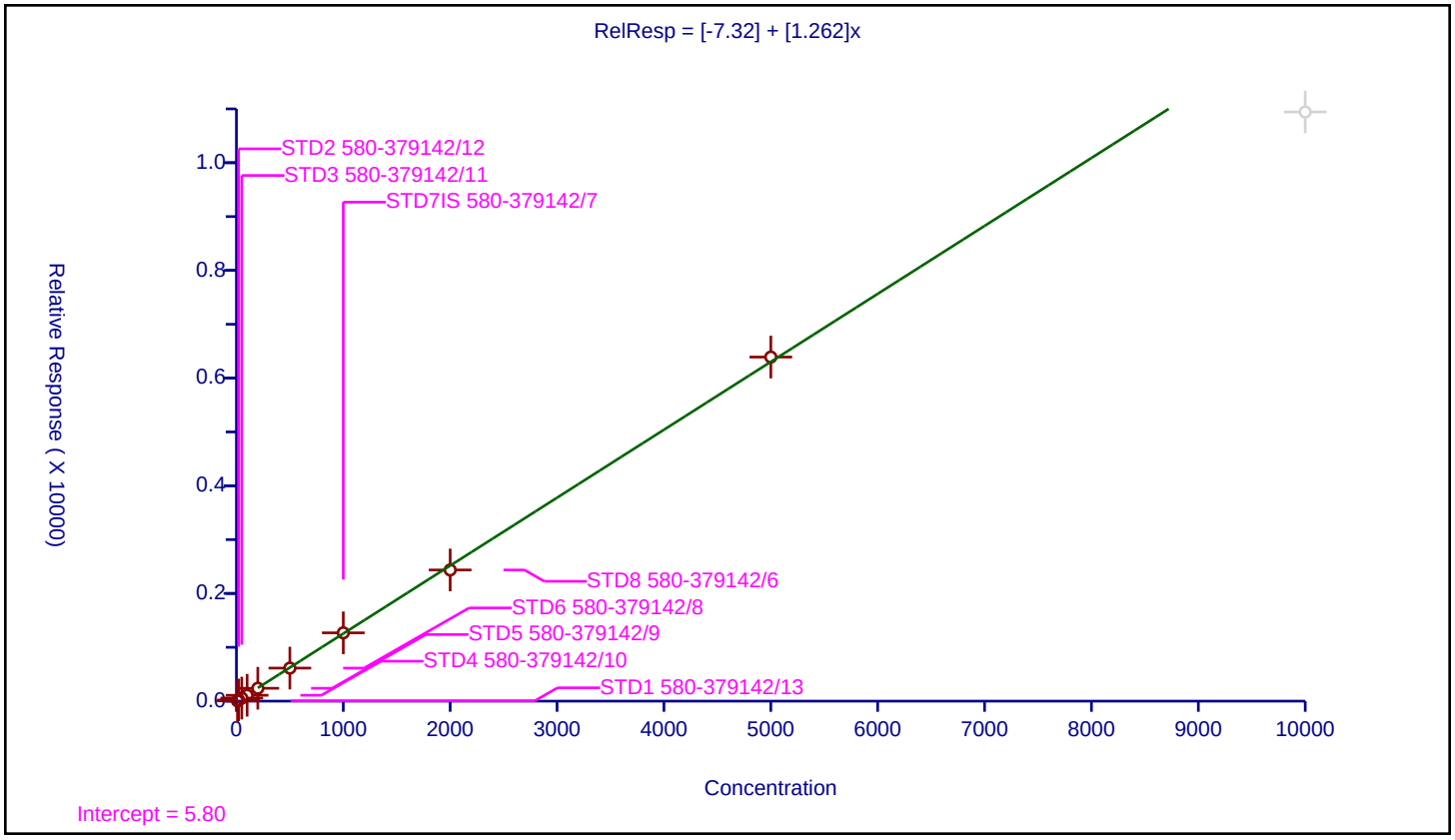
Curve Coefficients

Intercept:	-7.32
Slope:	1.262

Error Coefficients

Standard Error:	849000
Relative Standard Error:	6.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	4.853366	100.0	28063.0	0.485337	Y
2	STD2 580-379142/12	20.0	21.533783	100.0	31569.0	1.076689	Y
3	STD3 580-379142/11	50.0	56.923168	100.0	33814.0	1.138463	Y
4	STD4 580-379142/10	100.0	108.887147	100.0	34443.0	1.088871	Y
5	STD5 580-379142/9	200.0	238.991423	100.0	32997.0	1.194957	Y
6	STD6 580-379142/8	500.0	613.642556	100.0	32296.0	1.227285	Y
7	STD7IS 580-379142/7	1000.0	1268.593226	100.0	32770.0	1.268593	Y
8	STD8 580-379142/6	2000.0	2436.286491	100.0	33467.0	1.218143	Y
9	STD9 580-379142/5	5000.0	6390.638457	100.0	32046.0	1.278128	Y
10	STD10 580-379142/4	10000.0	10942.547835	100.0	35748.0	1.094255	N



Calibration / Bis(2-chloroethyl)ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

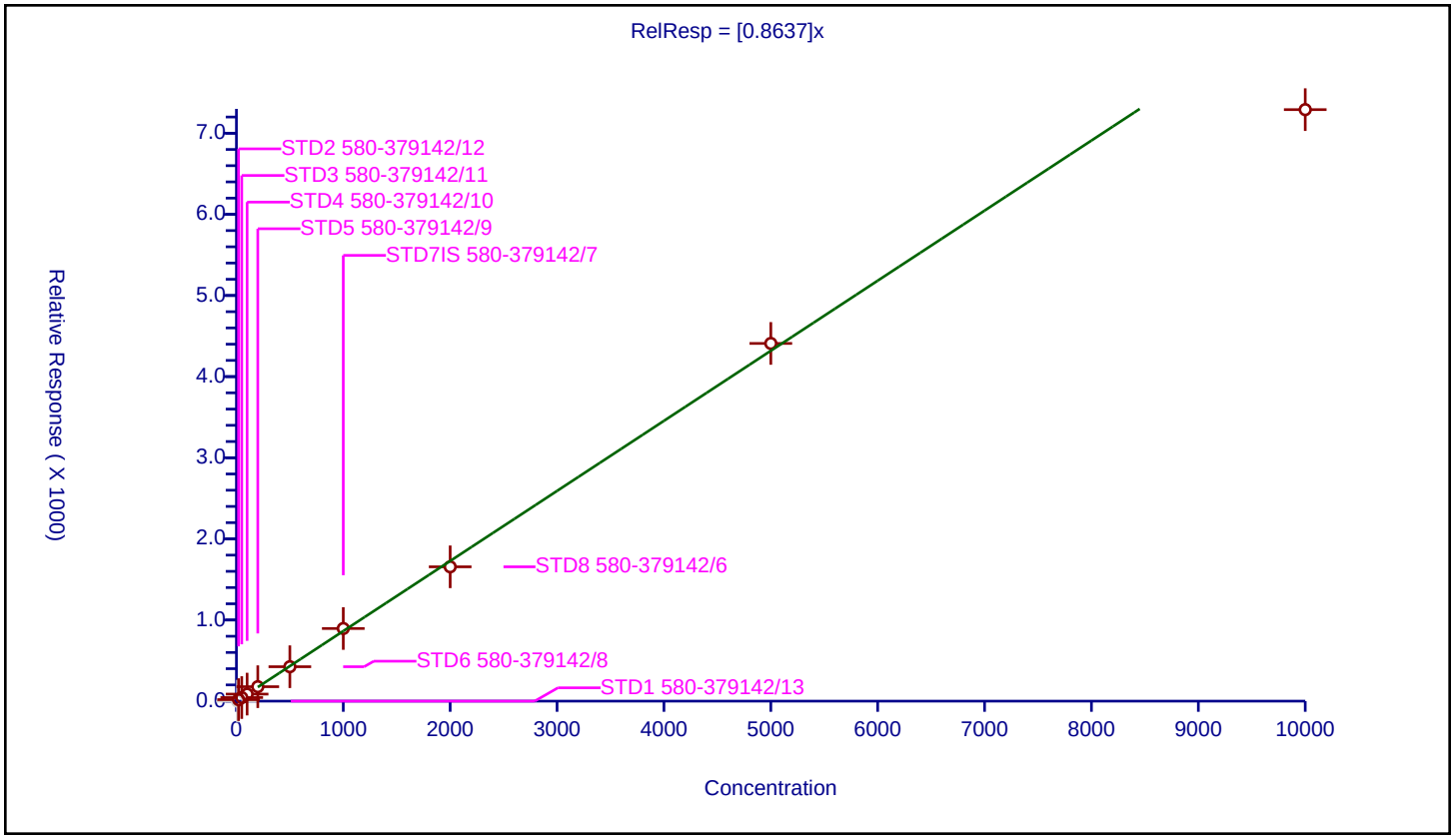
Curve Coefficients

Intercept:	0
Slope:	0.8637

Error Coefficients

Standard Error:	1070000
Relative Standard Error:	7.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	19.021825	100.0	31569.0	0.951091	Y
3	STD3 580-379142/11	50.0	44.020228	100.0	33814.0	0.880405	Y
4	STD4 580-379142/10	100.0	86.926226	100.0	34443.0	0.869262	Y
5	STD5 580-379142/9	200.0	177.973755	100.0	32997.0	0.889869	Y
6	STD6 580-379142/8	500.0	424.467426	100.0	32296.0	0.848935	Y
7	STD7IS 580-379142/7	1000.0	895.382972	100.0	32770.0	0.895383	Y
8	STD8 580-379142/6	2000.0	1655.5861	100.0	33467.0	0.827793	Y
9	STD9 580-379142/5	5000.0	4409.083817	100.0	32046.0	0.881817	Y
10	STD10 580-379142/4	10000.0	7290.84704	100.0	35748.0	0.729085	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

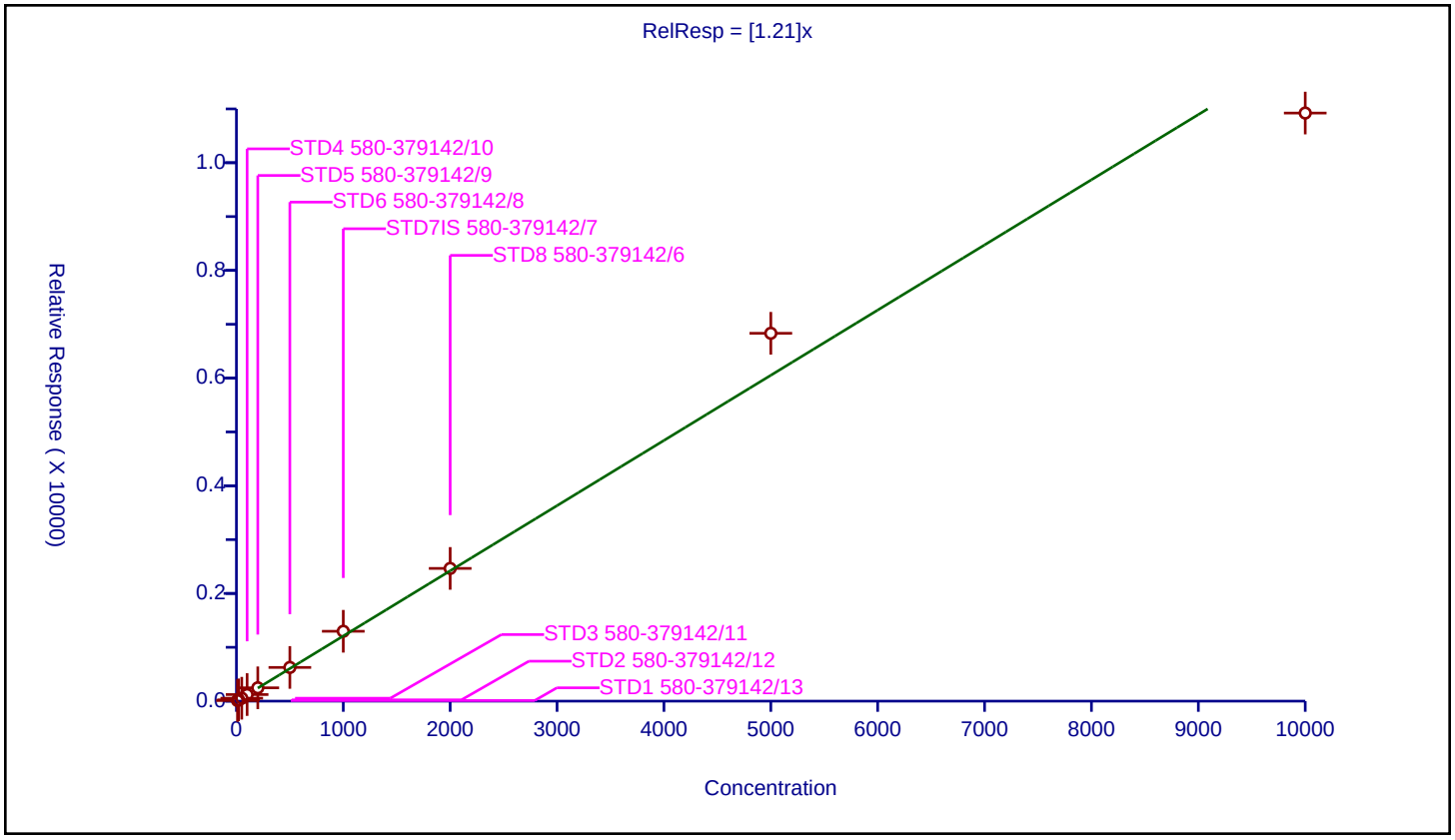
Curve Coefficients

Intercept:	0
Slope:	1.21

Error Coefficients

Standard Error:	1520000
Relative Standard Error:	7.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	11.18911	100.0	28063.0	1.118911	Y
2	STD2 580-379142/12	20.0	24.036238	100.0	31569.0	1.201812	Y
3	STD3 580-379142/11	50.0	54.013131	100.0	33814.0	1.080263	Y
4	STD4 580-379142/10	100.0	122.41094	100.0	34443.0	1.224109	Y
5	STD5 580-379142/9	200.0	247.761918	100.0	32997.0	1.23881	Y
6	STD6 580-379142/8	500.0	625.956775	100.0	32296.0	1.251914	Y
7	STD7IS 580-379142/7	1000.0	1297.760146	100.0	32770.0	1.29776	Y
8	STD8 580-379142/6	2000.0	2465.096961	100.0	33467.0	1.232548	Y
9	STD9 580-379142/5	5000.0	6832.078887	100.0	32046.0	1.366416	Y
10	STD10 580-379142/4	10000.0	10922.840439	100.0	35748.0	1.092284	Y



Calibration / n-Decane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

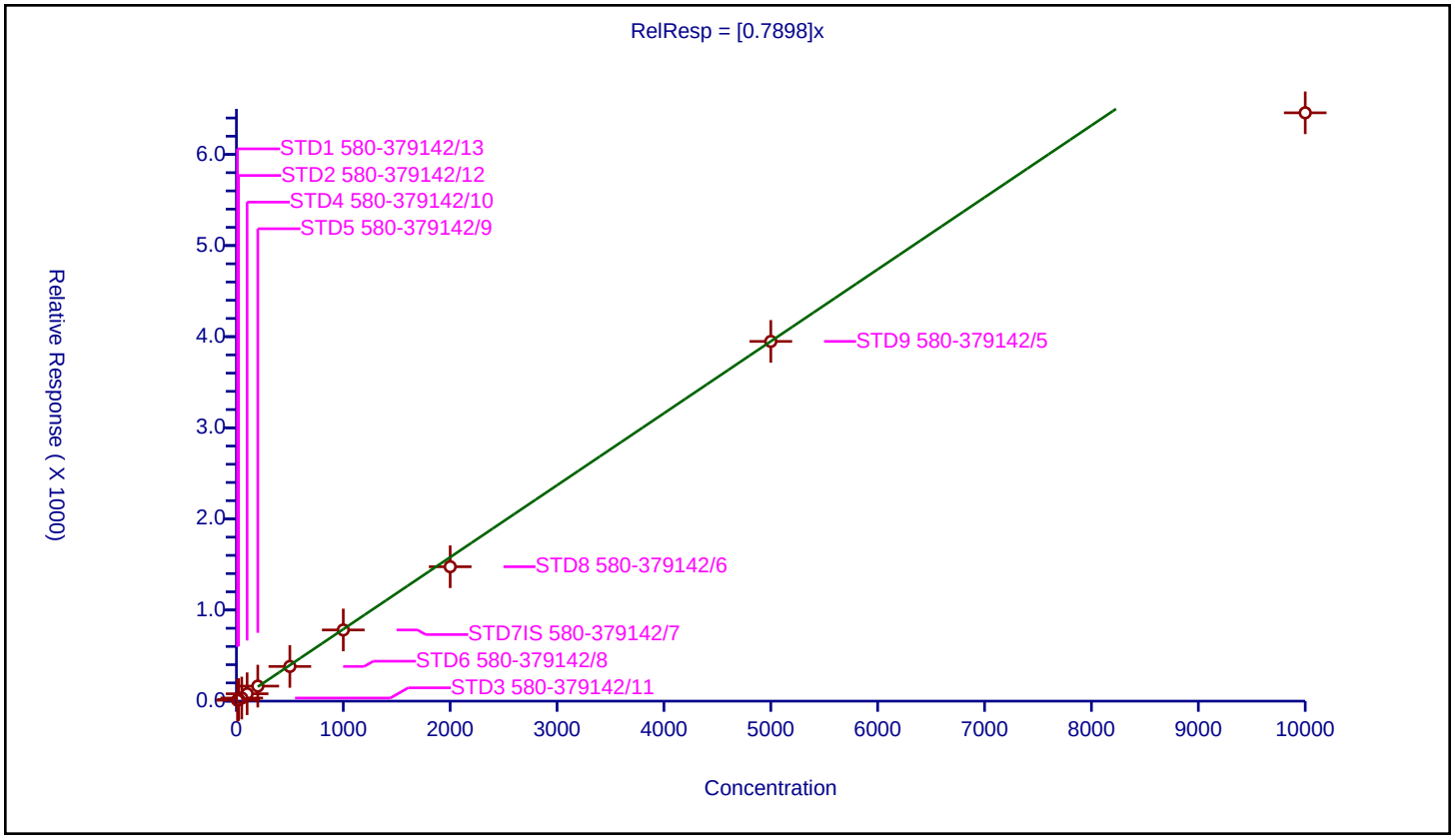
Curve Coefficients

Intercept:	0
Slope:	0.7898

Error Coefficients

Standard Error:	895000
Relative Standard Error:	12.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	9.998931	100.0	28063.0	0.999893	Y
2	STD2 580-379142/12	20.0	17.330292	100.0	31569.0	0.866515	Y
3	STD3 580-379142/11	50.0	33.917904	100.0	33814.0	0.678358	Y
4	STD4 580-379142/10	100.0	81.218245	100.0	34443.0	0.812182	Y
5	STD5 580-379142/9	200.0	165.099858	100.0	32997.0	0.825499	Y
6	STD6 580-379142/8	500.0	380.694204	100.0	32296.0	0.761388	Y
7	STD7IS 580-379142/7	1000.0	781.303021	100.0	32770.0	0.781303	Y
8	STD8 580-379142/6	2000.0	1475.196462	100.0	33467.0	0.737598	Y
9	STD9 580-379142/5	5000.0	3948.005991	100.0	32046.0	0.789601	Y
10	STD10 580-379142/4	10000.0	6457.122077	100.0	35748.0	0.645712	Y



Calibration / 1,3-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

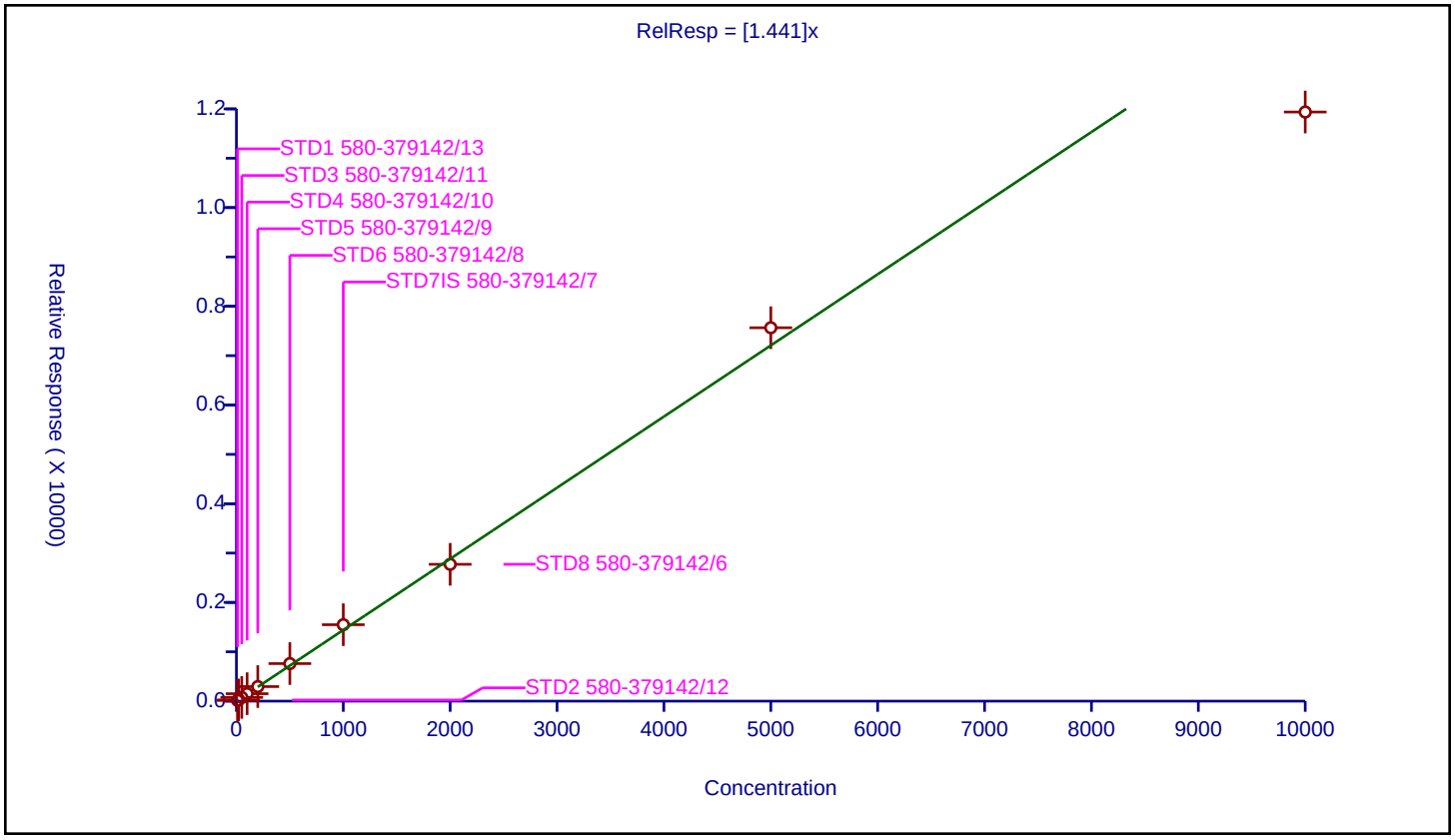
Curve Coefficients

Intercept:	0
Slope:	1.441

Error Coefficients

Standard Error:	1670000
Relative Standard Error:	11.3
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	16.299041	100.0	28063.0	1.629904	Y
2	STD2 580-379142/12	20.0	22.398556	100.0	31569.0	1.119928	Y
3	STD3 580-379142/11	50.0	75.977406	100.0	33814.0	1.519548	Y
4	STD4 580-379142/10	100.0	150.849229	100.0	34443.0	1.508492	Y
5	STD5 580-379142/9	200.0	294.714671	100.0	32997.0	1.473573	Y
6	STD6 580-379142/8	500.0	760.762943	100.0	32296.0	1.521526	Y
7	STD7IS 580-379142/7	1000.0	1548.410131	100.0	32770.0	1.54841	Y
8	STD8 580-379142/6	2000.0	2772.674575	100.0	33467.0	1.386337	Y
9	STD9 580-379142/5	5000.0	7565.611933	100.0	32046.0	1.513122	Y
10	STD10 580-379142/4	10000.0	11936.947522	100.0	35748.0	1.193695	Y



Calibration / 1,4-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

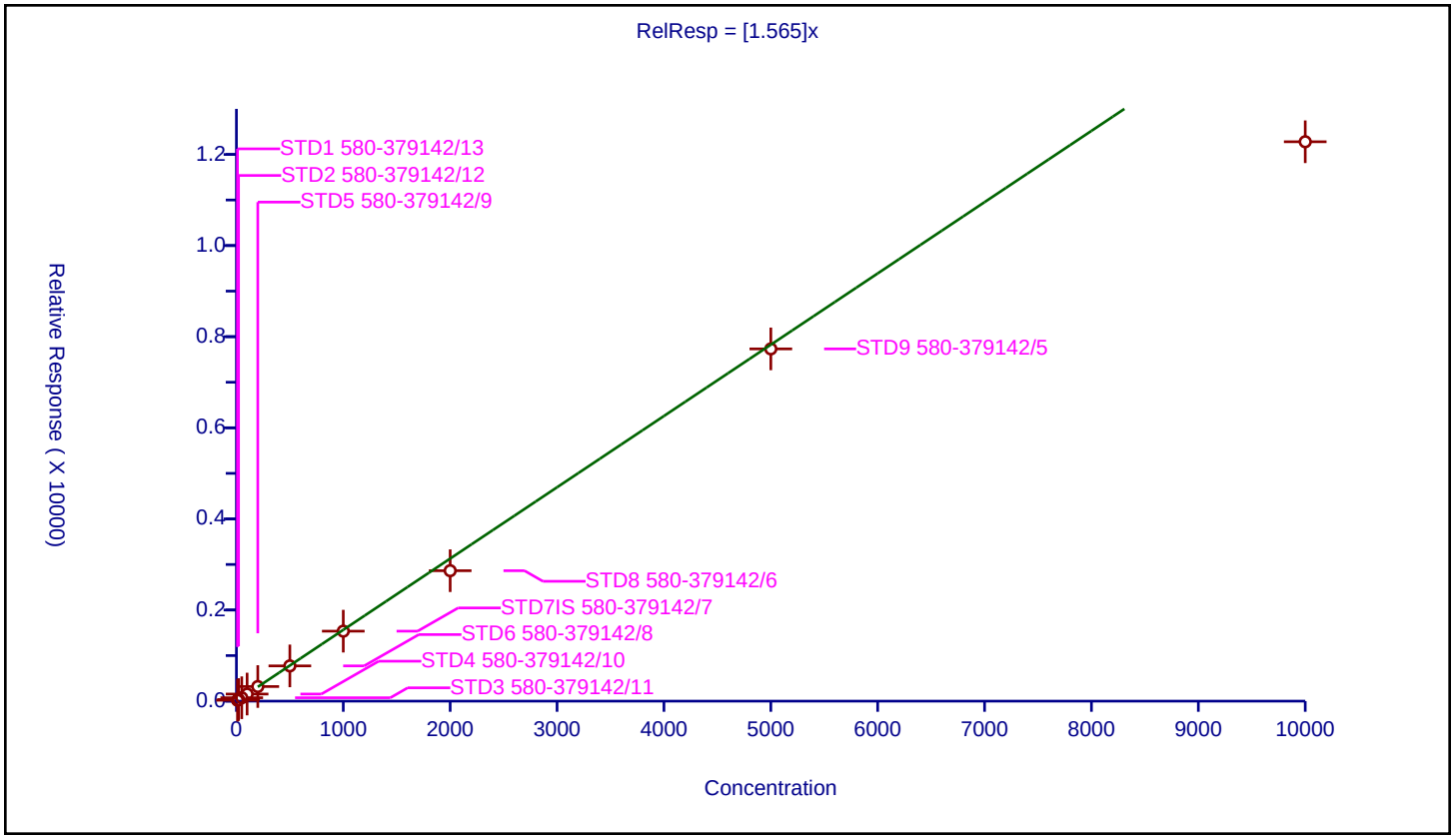
Curve Coefficients

Intercept:	0
Slope:	1.565

Error Coefficients

Standard Error:	1710000
Relative Standard Error:	12.4
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.979

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	19.773367	100.0	28063.0	1.977337	Y
2	STD2 580-379142/12	20.0	34.606734	100.0	31569.0	1.730337	Y
3	STD3 580-379142/11	50.0	74.398178	100.0	33814.0	1.487964	Y
4	STD4 580-379142/10	100.0	155.906861	100.0	34443.0	1.559069	Y
5	STD5 580-379142/9	200.0	320.486711	100.0	32997.0	1.602434	Y
6	STD6 580-379142/8	500.0	774.006069	100.0	32296.0	1.548012	Y
7	STD7IS 580-379142/7	1000.0	1536.325908	100.0	32770.0	1.536326	Y
8	STD8 580-379142/6	2000.0	2862.969492	100.0	33467.0	1.431485	Y
9	STD9 580-379142/5	5000.0	7731.67322	100.0	32046.0	1.546335	Y
10	STD10 580-379142/4	10000.0	12278.530267	100.0	35748.0	1.227853	Y



Calibration / Benzyl alcohol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

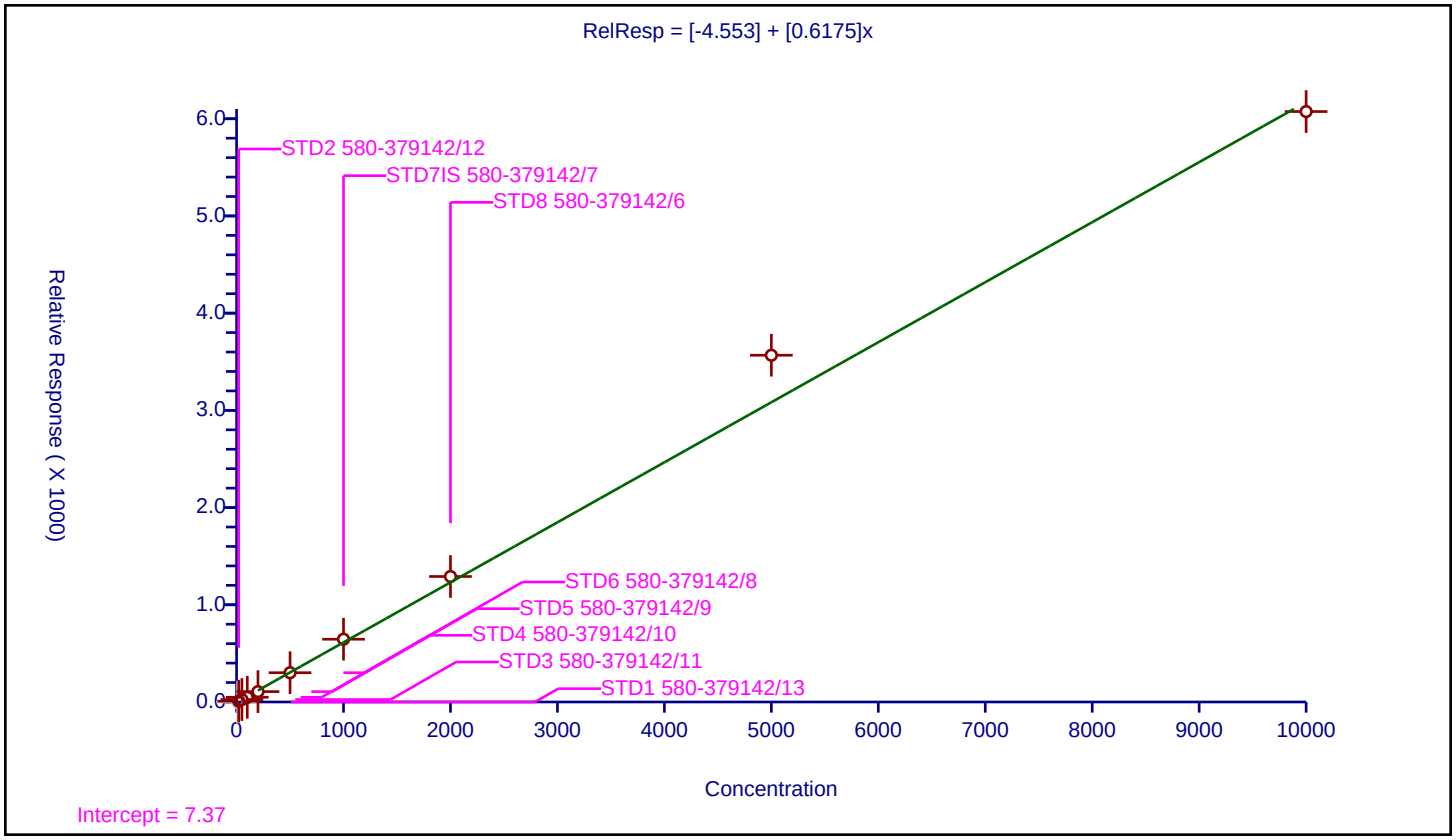
Curve Coefficients

Intercept:	-4.553
Slope:	0.6175

Error Coefficients

Standard Error:	943000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	8.470335	100.0	31569.0	0.423517	Y
3	STD3 580-379142/11	50.0	24.974862	100.0	33814.0	0.499497	Y
4	STD4 580-379142/10	100.0	48.3088	100.0	34443.0	0.483088	Y
5	STD5 580-379142/9	200.0	106.658181	100.0	32997.0	0.533291	Y
6	STD6 580-379142/8	500.0	301.130171	100.0	32296.0	0.60226	Y
7	STD7IS 580-379142/7	1000.0	645.498932	100.0	32770.0	0.645499	Y
8	STD8 580-379142/6	2000.0	1290.826785	100.0	33467.0	0.645413	Y
9	STD9 580-379142/5	5000.0	3567.144105	100.0	32046.0	0.713429	Y
10	STD10 580-379142/4	10000.0	6074.00414	100.0	35748.0	0.6074	Y



Calibration / 1,2-Dichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

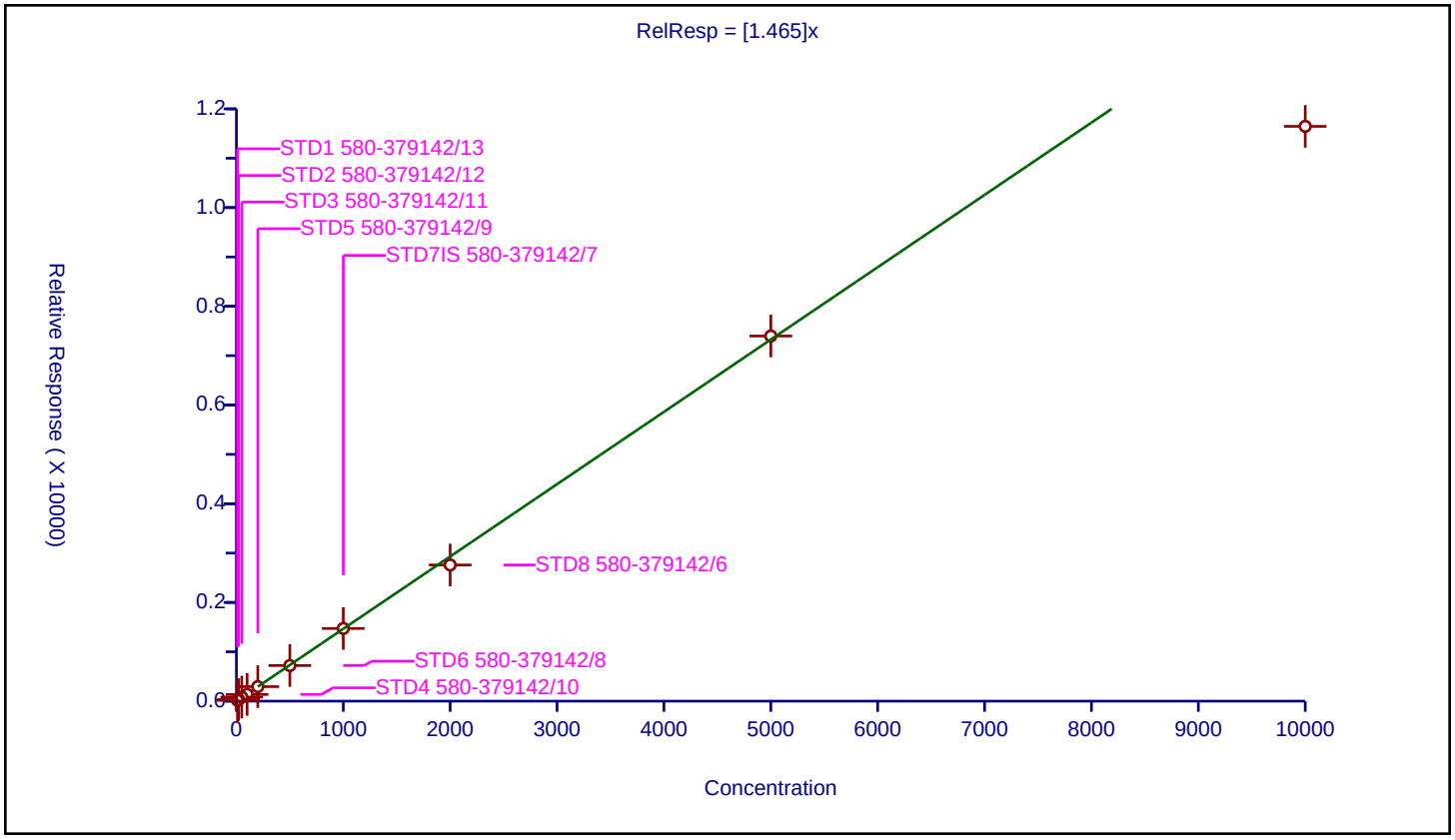
Curve Coefficients

Intercept:	0
Slope:	1.465

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	10.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	16.505719	100.0	28063.0	1.650572	Y
2	STD2 580-379142/12	20.0	31.822357	100.0	31569.0	1.591118	Y
3	STD3 580-379142/11	50.0	82.241084	100.0	33814.0	1.644822	Y
4	STD4 580-379142/10	100.0	135.937636	100.0	34443.0	1.359376	Y
5	STD5 580-379142/9	200.0	293.690335	100.0	32997.0	1.468452	Y
6	STD6 580-379142/8	500.0	721.04595	100.0	32296.0	1.442092	Y
7	STD7IS 580-379142/7	1000.0	1472.66097	100.0	32770.0	1.472661	Y
8	STD8 580-379142/6	2000.0	2759.025309	100.0	33467.0	1.379513	Y
9	STD9 580-379142/5	5000.0	7397.750109	100.0	32046.0	1.47955	Y
10	STD10 580-379142/4	10000.0	11646.231957	100.0	35748.0	1.164623	Y



Calibration / 2-Methylphenol

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

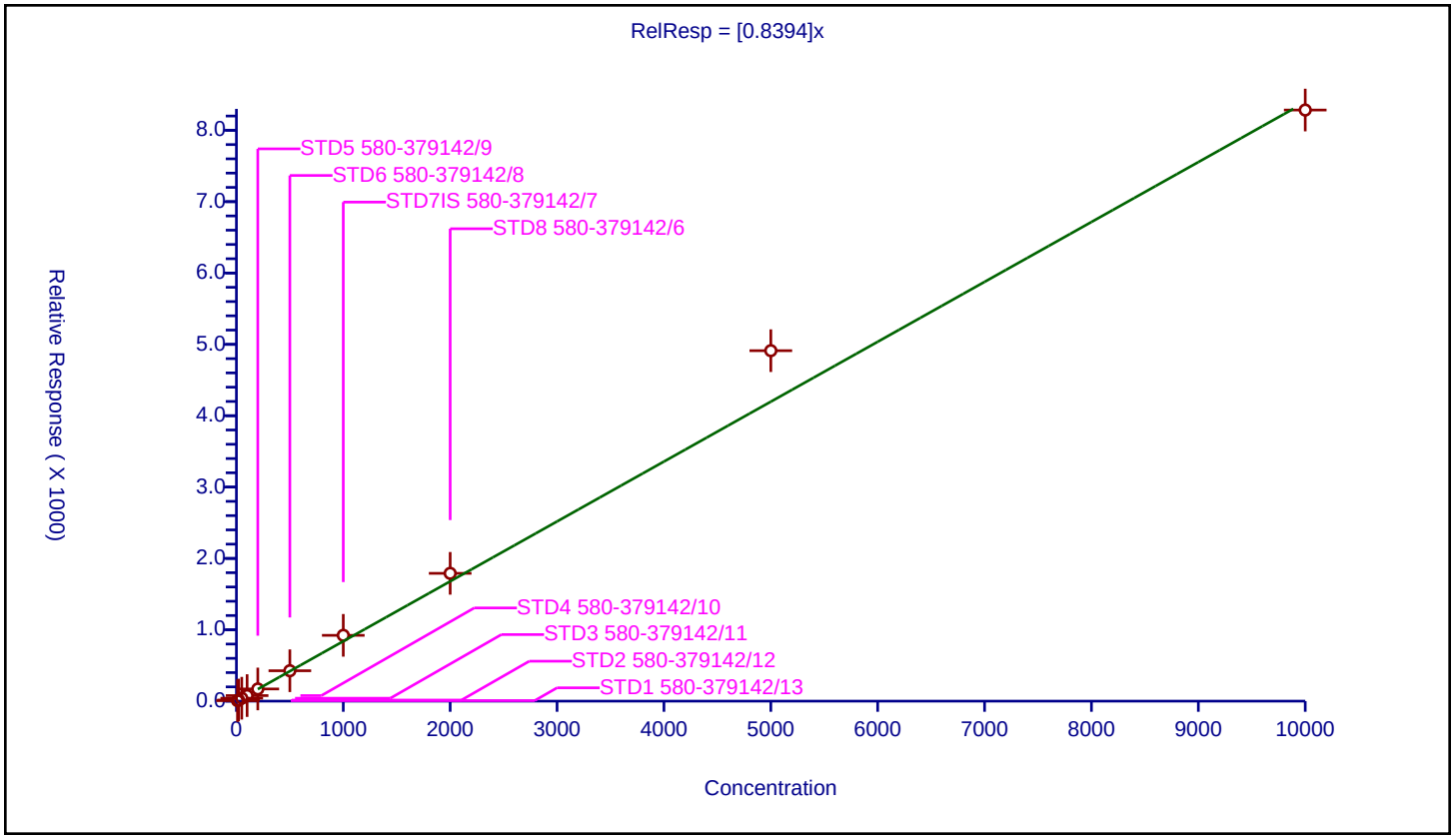
Curve Coefficients

Intercept:	0
Slope:	0.8394

Error Coefficients

Standard Error:	1140000
Relative Standard Error:	9.6
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	7.141075	100.0	28063.0	0.714108	Y
2	STD2 580-379142/12	20.0	15.024233	100.0	31569.0	0.751212	Y
3	STD3 580-379142/11	50.0	40.77601	100.0	33814.0	0.81552	Y
4	STD4 580-379142/10	100.0	77.867782	100.0	34443.0	0.778678	Y
5	STD5 580-379142/9	200.0	170.745825	100.0	32997.0	0.853729	Y
6	STD6 580-379142/8	500.0	426.034184	100.0	32296.0	0.852068	Y
7	STD7IS 580-379142/7	1000.0	922.184925	100.0	32770.0	0.922185	Y
8	STD8 580-379142/6	2000.0	1791.07479	100.0	33467.0	0.895537	Y
9	STD9 580-379142/5	5000.0	4911.464769	100.0	32046.0	0.982293	Y
10	STD10 580-379142/4	10000.0	8283.800492	100.0	35748.0	0.82838	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

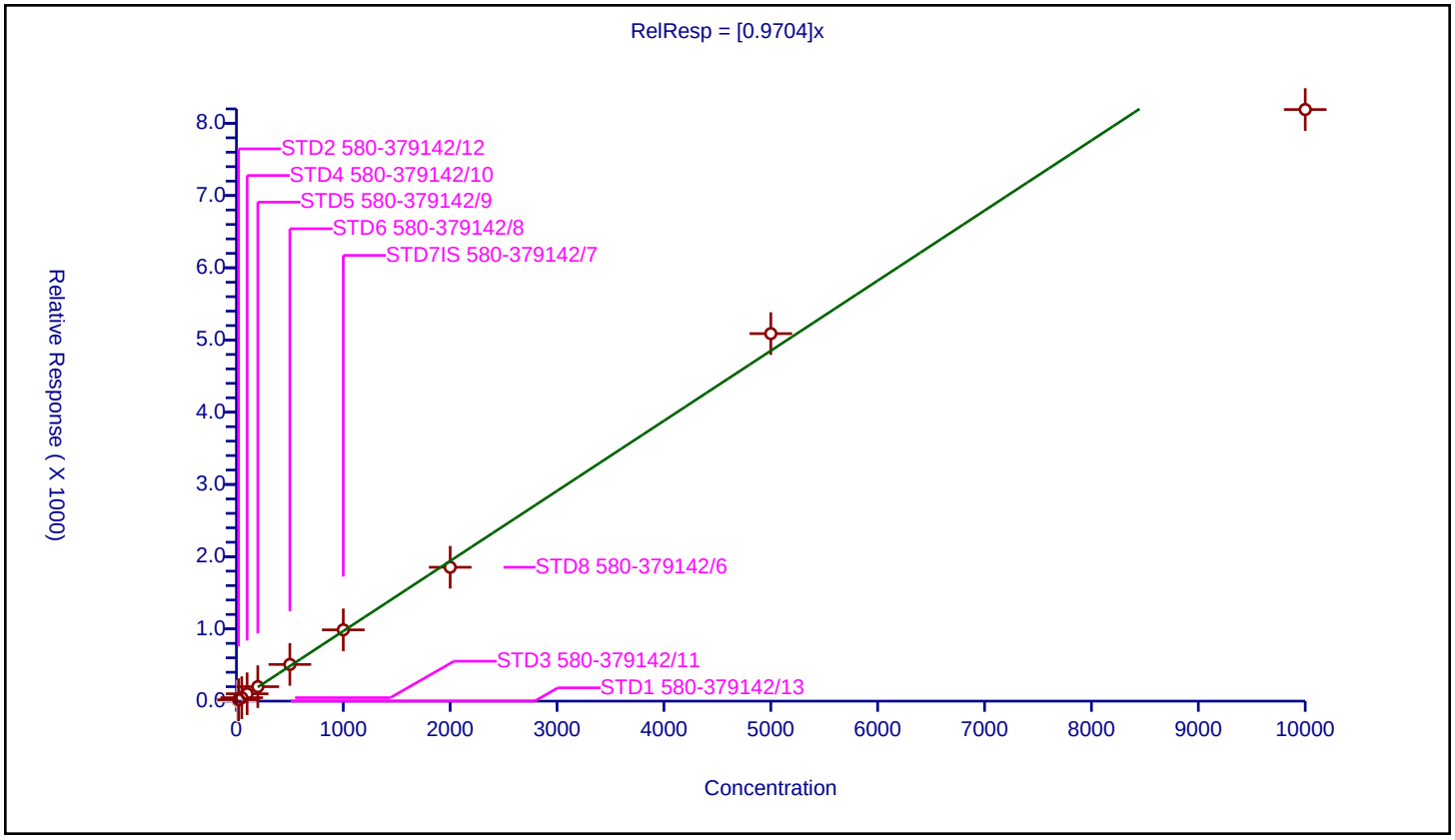
Curve Coefficients

Intercept:	0
Slope:	0.9704

Error Coefficients

Standard Error:	1210000
Relative Standard Error:	6.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	19.810574	100.0	31569.0	0.990529	Y
3	STD3 580-379142/11	50.0	47.610457	100.0	33814.0	0.952209	Y
4	STD4 580-379142/10	100.0	102.10783	100.0	34443.0	1.021078	Y
5	STD5 580-379142/9	200.0	200.500045	100.0	32997.0	1.0025	Y
6	STD6 580-379142/8	500.0	508.072207	100.0	32296.0	1.016144	Y
7	STD7IS 580-379142/7	1000.0	987.16509	100.0	32770.0	0.987165	Y
8	STD8 580-379142/6	2000.0	1853.557235	100.0	33467.0	0.926779	Y
9	STD9 580-379142/5	5000.0	5088.582038	100.0	32046.0	1.017716	Y
10	STD10 580-379142/4	10000.0	8191.319794	100.0	35748.0	0.819132	Y



Calibration / Acetophenone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

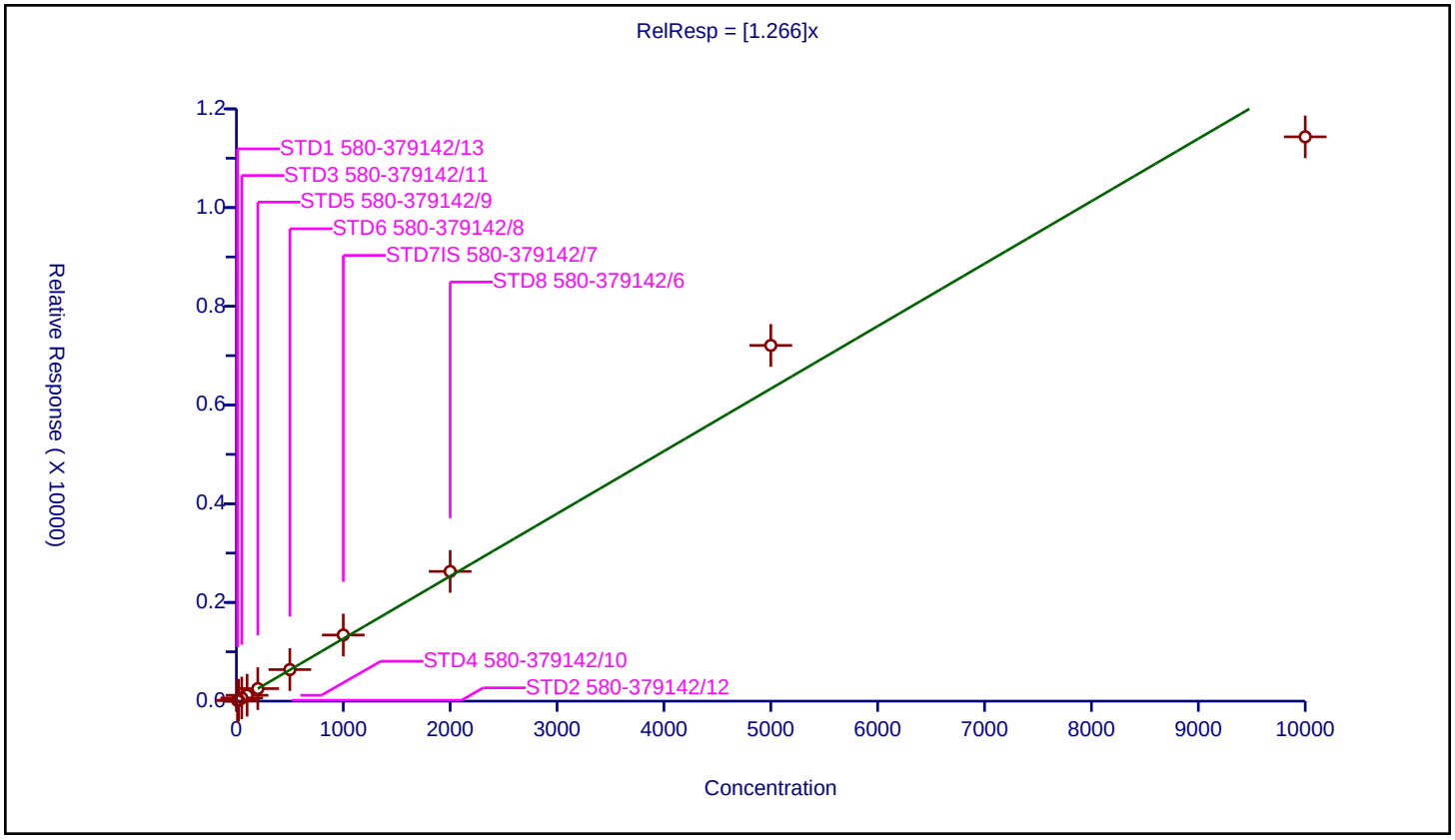
Curve Coefficients

Intercept:	0
Slope:	1.266

Error Coefficients

Standard Error:	1600000
Relative Standard Error:	12.5
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.981

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	14.838043	100.0	28063.0	1.483804	Y
2	STD2 580-379142/12	20.0	18.372454	100.0	31569.0	0.918623	Y
3	STD3 580-379142/11	50.0	63.861123	100.0	33814.0	1.277222	Y
4	STD4 580-379142/10	100.0	119.559853	100.0	34443.0	1.195599	Y
5	STD5 580-379142/9	200.0	253.859442	100.0	32997.0	1.269297	Y
6	STD6 580-379142/8	500.0	639.10701	100.0	32296.0	1.278214	Y
7	STD7IS 580-379142/7	1000.0	1340.335673	100.0	32770.0	1.340336	Y
8	STD8 580-379142/6	2000.0	2628.144142	100.0	33467.0	1.314072	Y
9	STD9 580-379142/5	5000.0	7207.816888	100.0	32046.0	1.441563	Y
10	STD10 580-379142/4	10000.0	11433.635448	100.0	35748.0	1.143364	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

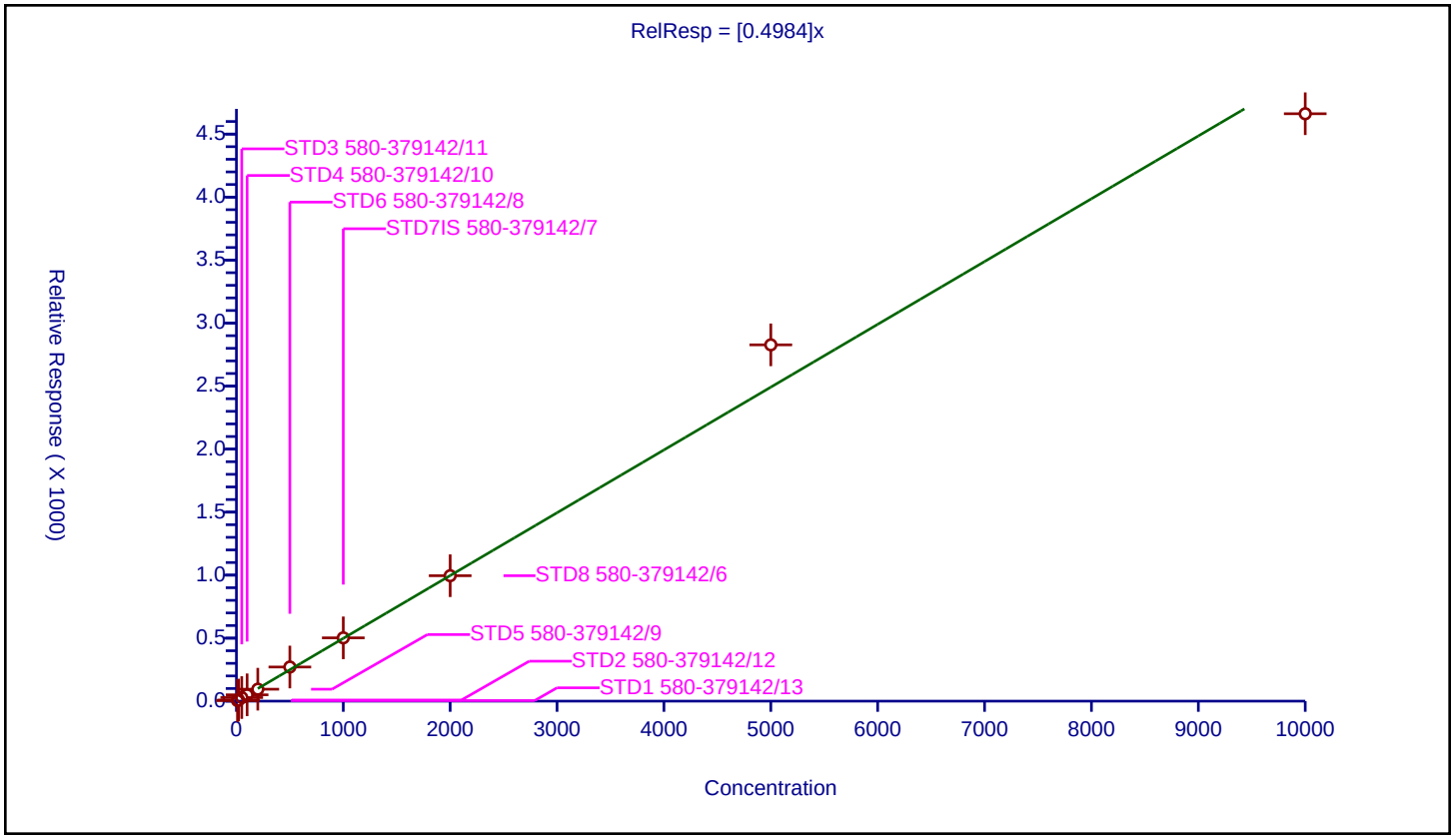
Curve Coefficients

Intercept:	0
Slope:	0.4984

Error Coefficients

Standard Error:	643000
Relative Standard Error:	9.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.989

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	4.265403	100.0	28063.0	0.42654	Y
2	STD2 580-379142/12	20.0	8.806107	100.0	31569.0	0.440305	Y
3	STD3 580-379142/11	50.0	28.43201	100.0	33814.0	0.56864	Y
4	STD4 580-379142/10	100.0	50.100165	100.0	34443.0	0.501002	Y
5	STD5 580-379142/9	200.0	94.723763	100.0	32997.0	0.473619	Y
6	STD6 580-379142/8	500.0	270.878747	100.0	32296.0	0.541757	Y
7	STD7IS 580-379142/7	1000.0	502.392432	100.0	32770.0	0.502392	Y
8	STD8 580-379142/6	2000.0	995.425344	100.0	33467.0	0.497713	Y
9	STD9 580-379142/5	5000.0	2827.479249	100.0	32046.0	0.565496	Y
10	STD10 580-379142/4	10000.0	4661.617433	100.0	35748.0	0.466162	Y



Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

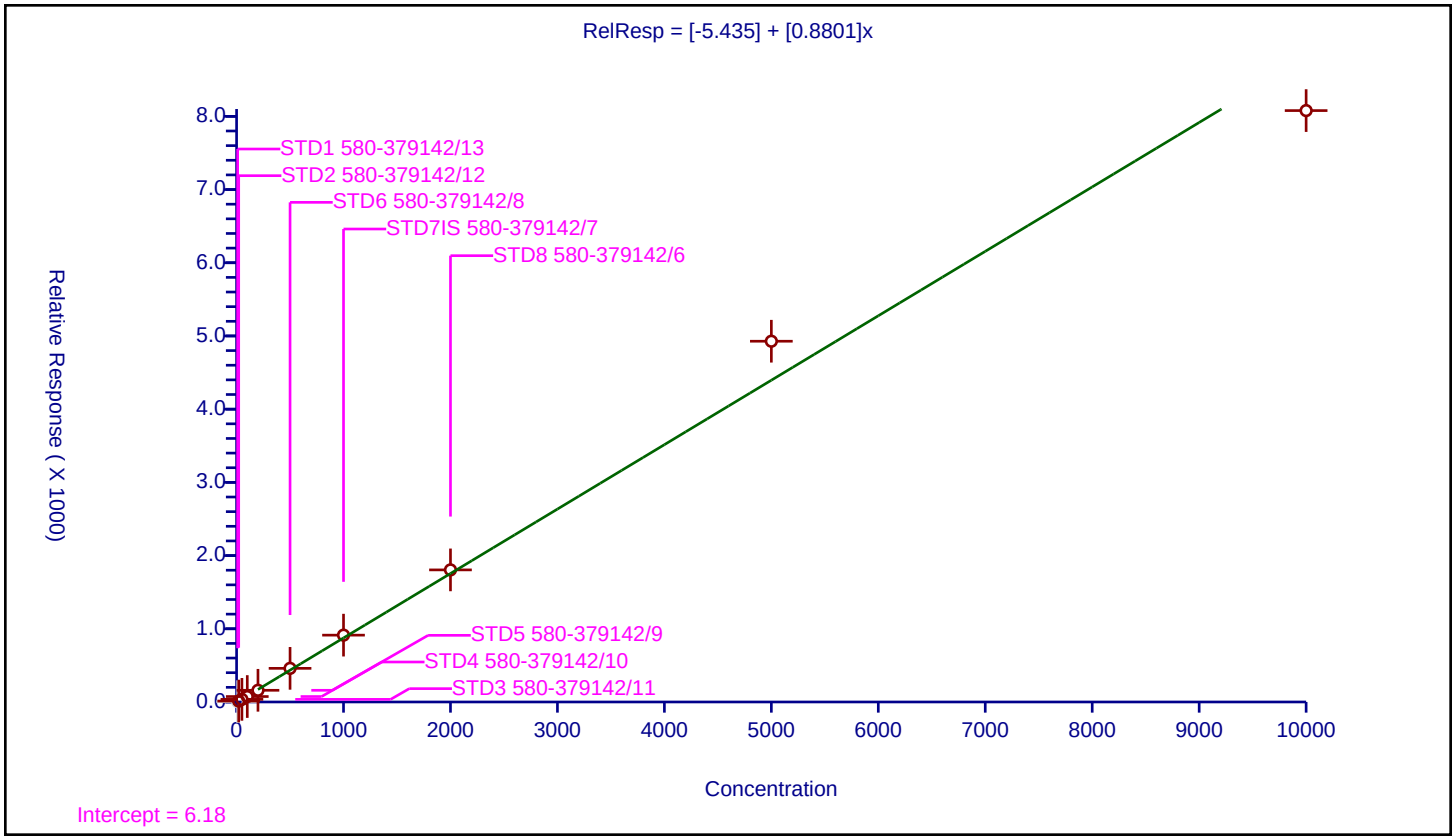
Curve Coefficients

Intercept:	-5.435
Slope:	0.8801

Error Coefficients

Standard Error:	1270000
Relative Standard Error:	8.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	4.810605	100.0	28063.0	0.48106	N
2	STD2 580-379142/12	20.0	12.939909	100.0	31569.0	0.646995	Y
3	STD3 580-379142/11	50.0	36.053114	100.0	33814.0	0.721062	Y
4	STD4 580-379142/10	100.0	74.409895	100.0	34443.0	0.744099	Y
5	STD5 580-379142/9	200.0	159.808467	100.0	32997.0	0.799042	Y
6	STD6 580-379142/8	500.0	459.357196	100.0	32296.0	0.918714	Y
7	STD7IS 580-379142/7	1000.0	913.094294	100.0	32770.0	0.913094	Y
8	STD8 580-379142/6	2000.0	1804.437207	100.0	33467.0	0.902219	Y
9	STD9 580-379142/5	5000.0	4927.966049	100.0	32046.0	0.985593	Y
10	STD10 580-379142/4	10000.0	8078.496699	100.0	35748.0	0.80785	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

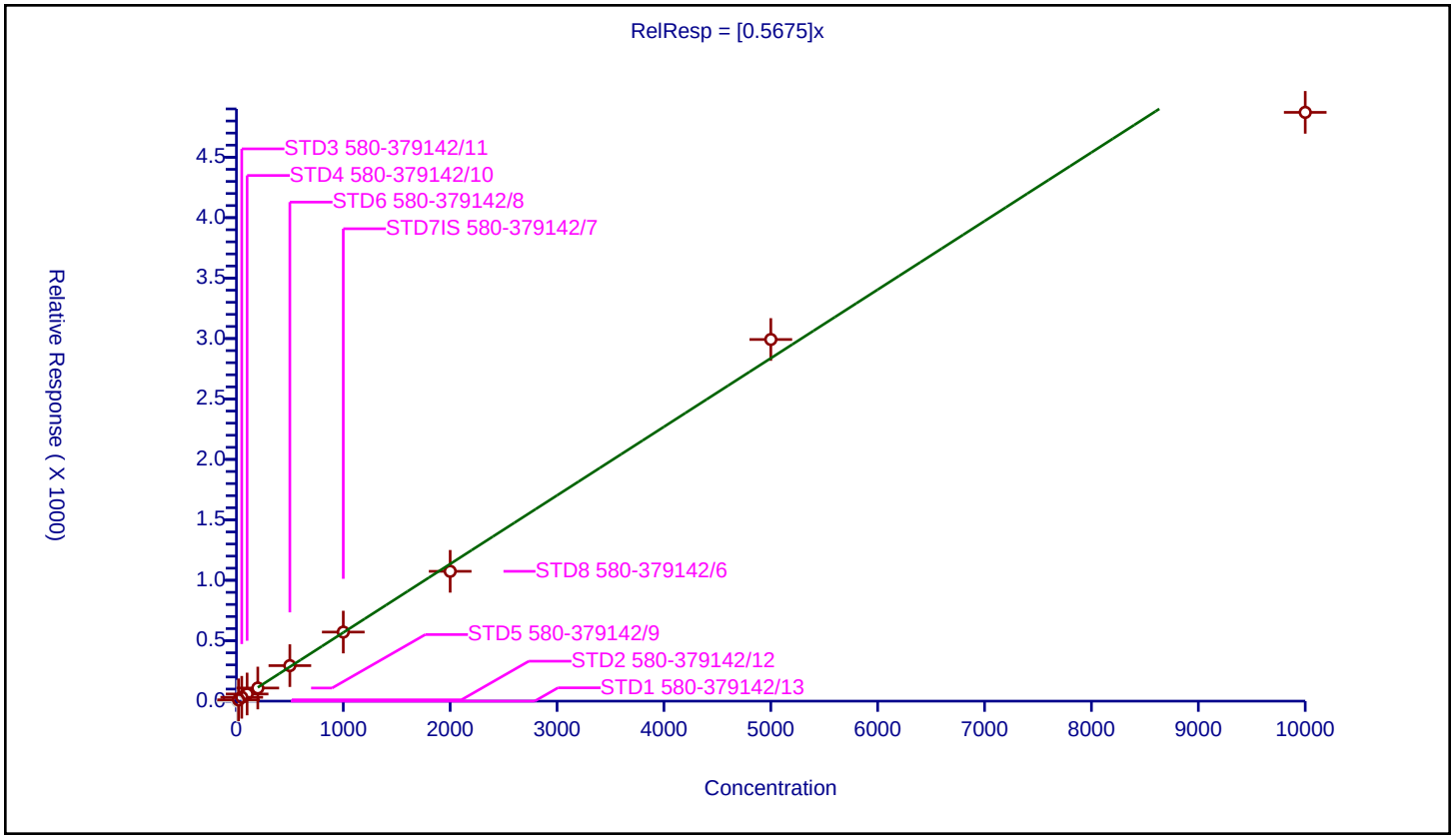
Curve Coefficients

Intercept:	0
Slope:	0.5675

Error Coefficients

Standard Error:	716000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	11.118502	100.0	31569.0	0.555925	Y
3	STD3 580-379142/11	50.0	31.741291	100.0	33814.0	0.634826	Y
4	STD4 580-379142/10	100.0	59.13248	100.0	34443.0	0.591325	Y
5	STD5 580-379142/9	200.0	108.621996	100.0	32997.0	0.54311	Y
6	STD6 580-379142/8	500.0	293.832054	100.0	32296.0	0.587664	Y
7	STD7IS 580-379142/7	1000.0	571.583766	100.0	32770.0	0.571584	Y
8	STD8 580-379142/6	2000.0	1074.186512	100.0	33467.0	0.537093	Y
9	STD9 580-379142/5	5000.0	2992.083255	100.0	32046.0	0.598417	Y
10	STD10 580-379142/4	10000.0	4871.321473	100.0	35748.0	0.487132	Y



Calibration / Nitrobenzene-d5

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

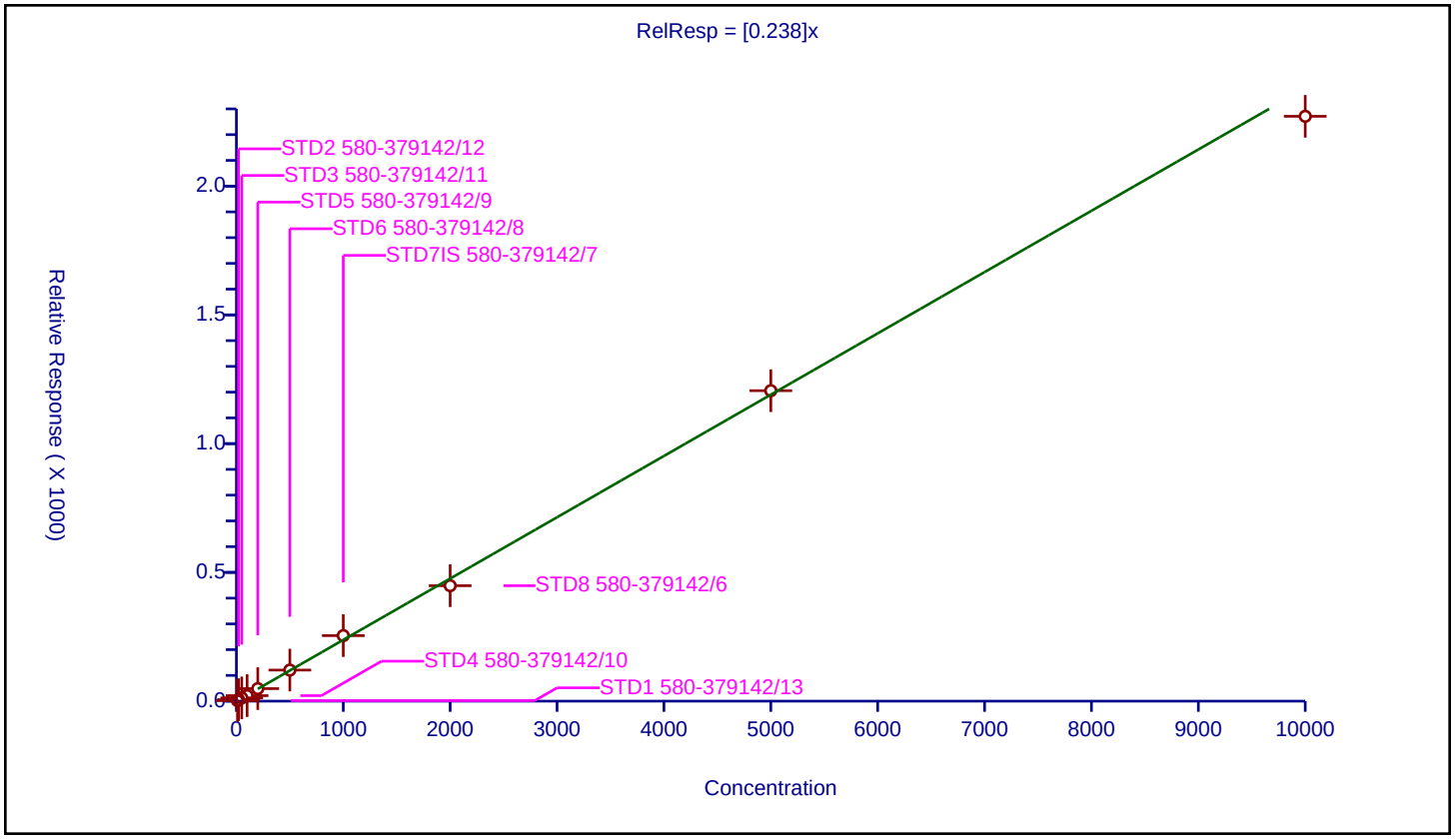
Curve Coefficients

Intercept:	0
Slope:	0.238

Error Coefficients

Standard Error:	1080000
Relative Standard Error:	10.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	1.932768	100.0	102392.0	0.193277	Y
2	STD2 580-379142/12	20.0	5.768634	100.0	109558.0	0.288432	Y
3	STD3 580-379142/11	50.0	12.646271	100.0	120154.0	0.252925	Y
4	STD4 580-379142/10	100.0	21.384604	100.0	126881.0	0.213846	Y
5	STD5 580-379142/9	200.0	48.706705	100.0	121550.0	0.243534	Y
6	STD6 580-379142/8	500.0	120.672425	100.0	117277.0	0.241345	Y
7	STD7IS 580-379142/7	1000.0	254.482747	100.0	118298.0	0.254483	Y
8	STD8 580-379142/6	2000.0	448.309826	100.0	129957.0	0.224155	Y
9	STD9 580-379142/5	5000.0	1205.694548	100.0	126226.0	0.241139	Y
10	STD10 580-379142/4	10000.0	2271.176706	100.0	122401.0	0.227118	Y



Calibration / Nitrobenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

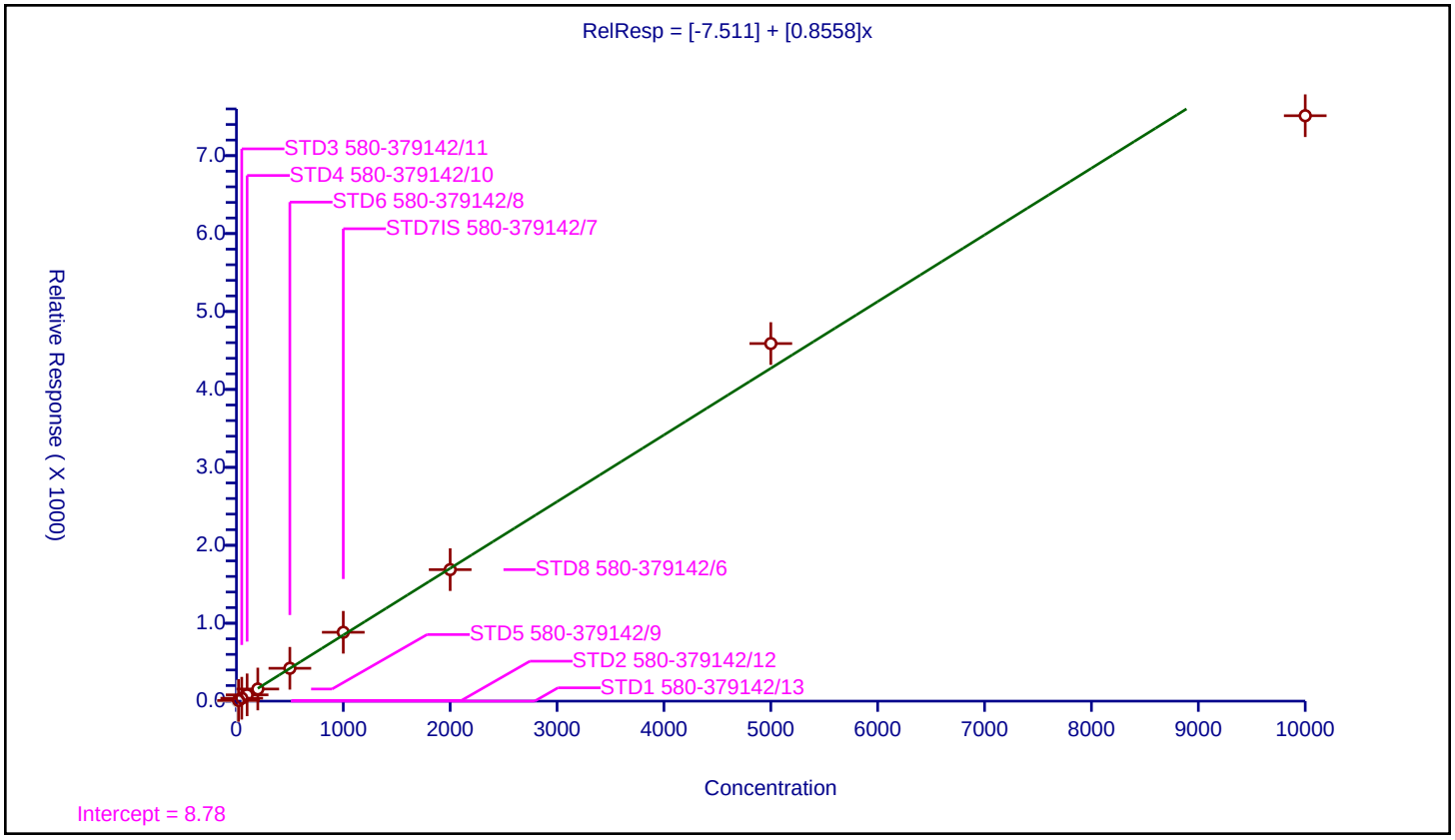
Curve Coefficients

Intercept:	-7.511
Slope:	0.8558

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	6.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	28063.0	0.0	N
2	STD2 580-379142/12	20.0	9.221071	100.0	31569.0	0.461054	Y
3	STD3 580-379142/11	50.0	37.395753	100.0	33814.0	0.747915	Y
4	STD4 580-379142/10	100.0	80.814679	100.0	34443.0	0.808147	Y
5	STD5 580-379142/9	200.0	155.668697	100.0	32997.0	0.778343	Y
6	STD6 580-379142/8	500.0	421.643547	100.0	32296.0	0.843287	Y
7	STD7IS 580-379142/7	1000.0	883.622215	100.0	32770.0	0.883622	Y
8	STD8 580-379142/6	2000.0	1687.635581	100.0	33467.0	0.843818	Y
9	STD9 580-379142/5	5000.0	4588.831679	100.0	32046.0	0.917766	Y
10	STD10 580-379142/4	10000.0	7512.621685	100.0	35748.0	0.751262	Y



Calibration / Isophorone

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

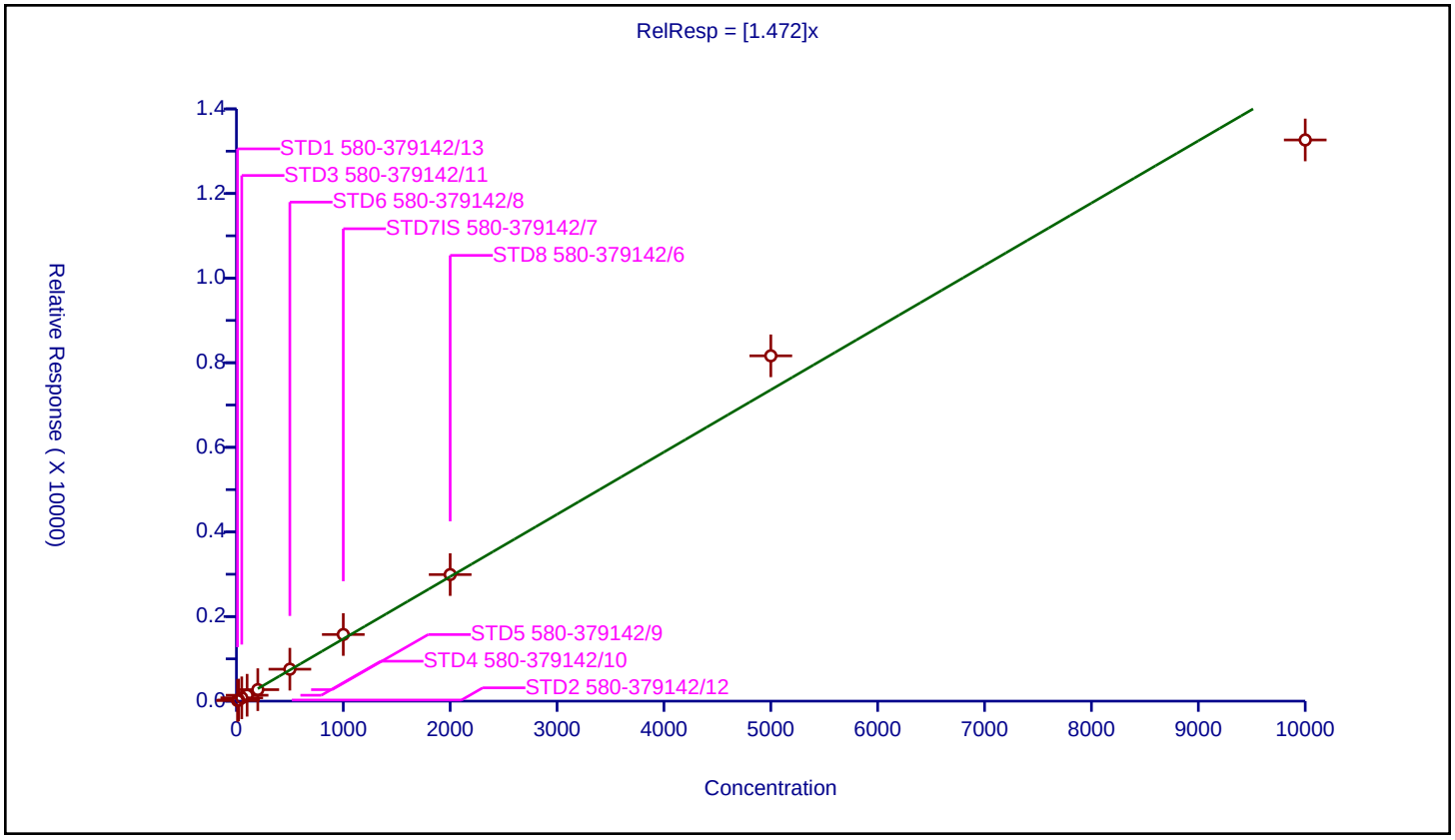
Curve Coefficients

Intercept:	0
Slope:	1.472

Error Coefficients

Standard Error:	1840000
Relative Standard Error:	7.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	15.32623	100.0	28063.0	1.532623	Y
2	STD2 580-379142/12	20.0	26.386645	100.0	31569.0	1.319332	Y
3	STD3 580-379142/11	50.0	78.50003	100.0	33814.0	1.570001	Y
4	STD4 580-379142/10	100.0	139.616177	100.0	34443.0	1.396162	Y
5	STD5 580-379142/9	200.0	271.642877	100.0	32997.0	1.358214	Y
6	STD6 580-379142/8	500.0	755.09351	100.0	32296.0	1.510187	Y
7	STD7IS 580-379142/7	1000.0	1575.691181	100.0	32770.0	1.575691	Y
8	STD8 580-379142/6	2000.0	2992.249081	100.0	33467.0	1.496125	Y
9	STD9 580-379142/5	5000.0	8162.778506	100.0	32046.0	1.632556	Y
10	STD10 580-379142/4	10000.0	13265.975719	100.0	35748.0	1.326598	Y



Calibration / 2-Nitrophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

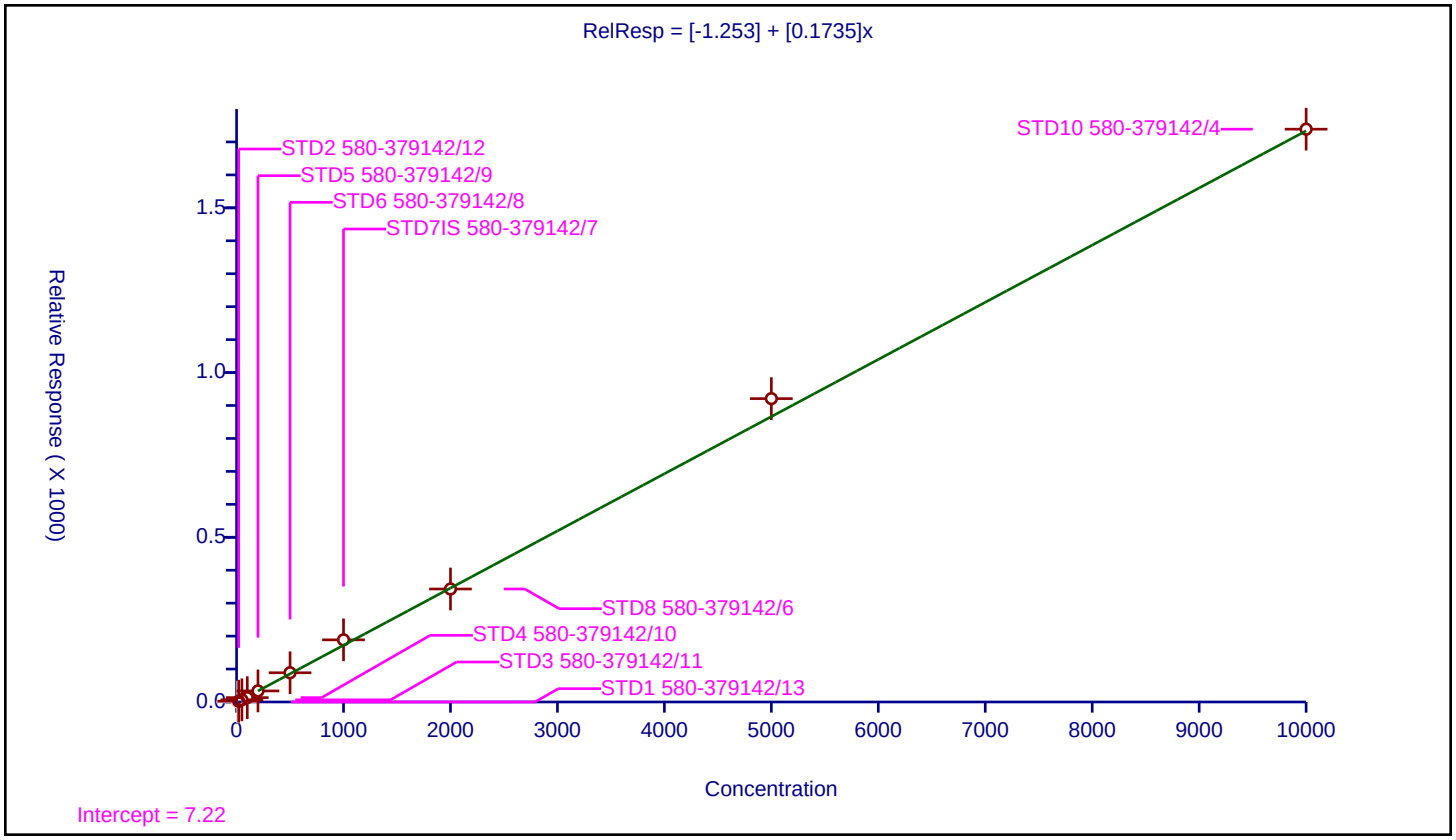
Curve Coefficients

Intercept:	-1.253
Slope:	0.1735

Error Coefficients

Standard Error:	936000
Relative Standard Error:	8.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	102392.0	0.0	N
2	STD2 580-379142/12	20.0	2.454408	100.0	109558.0	0.12272	Y
3	STD3 580-379142/11	50.0	6.562412	100.0	120154.0	0.131248	Y
4	STD4 580-379142/10	100.0	13.268338	100.0	126881.0	0.132683	Y
5	STD5 580-379142/9	200.0	33.578774	100.0	121550.0	0.167894	Y
6	STD6 580-379142/8	500.0	88.76506	100.0	117277.0	0.17753	Y
7	STD7IS 580-379142/7	1000.0	188.663376	100.0	118298.0	0.188663	Y
8	STD8 580-379142/6	2000.0	342.988835	100.0	129957.0	0.171494	Y
9	STD9 580-379142/5	5000.0	920.903776	100.0	126226.0	0.184181	Y
10	STD10 580-379142/4	10000.0	1738.771742	100.0	122401.0	0.173877	Y



Calibration / 2,4-Dimethylphenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

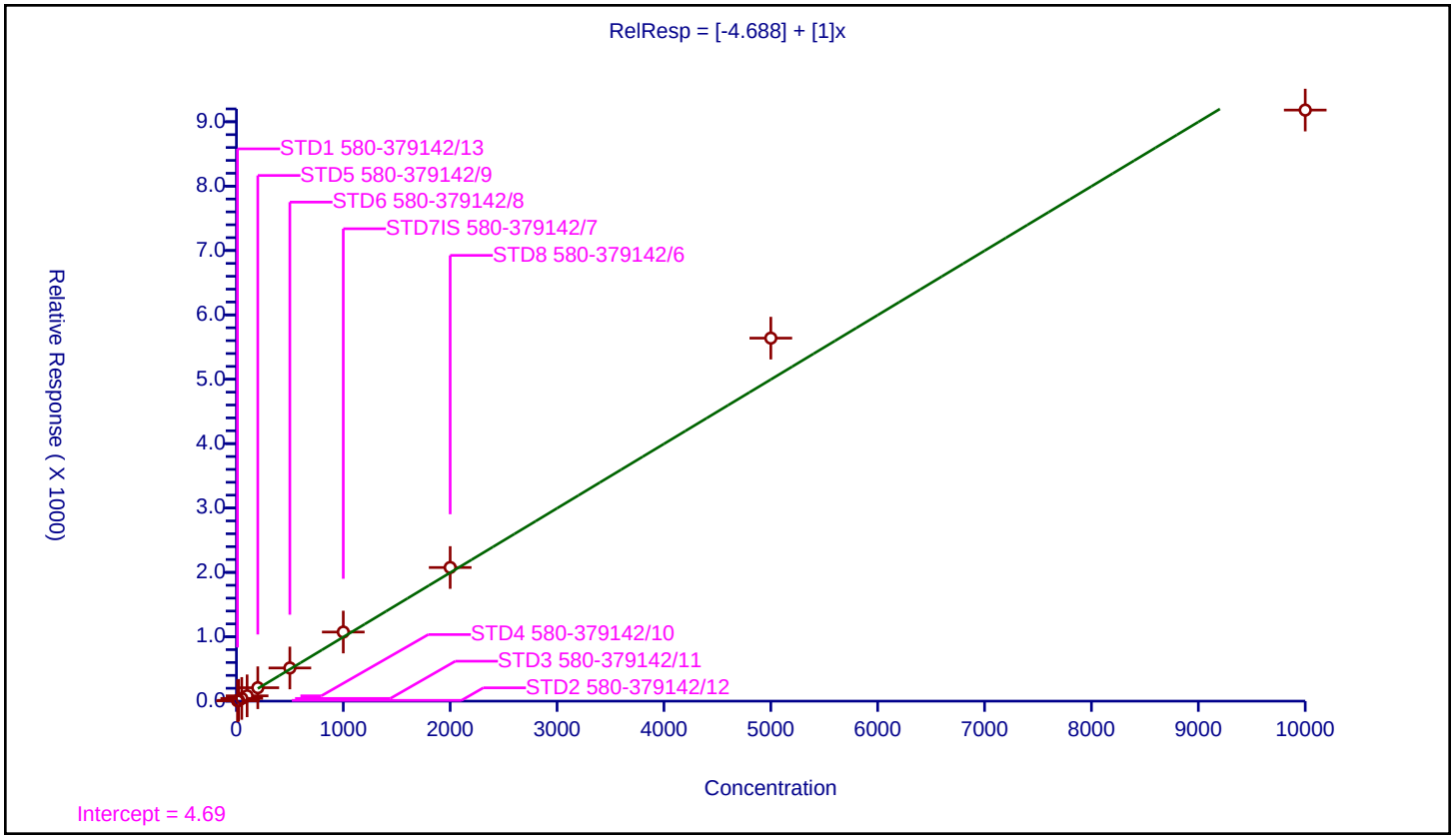
Curve Coefficients

Intercept:	-4.688
Slope:	1

Error Coefficients

Standard Error:	1350000
Relative Standard Error:	10.4
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	6.057799	100.0	28063.0	0.60578	Y
2	STD2 580-379142/12	20.0	12.249359	100.0	31569.0	0.612468	Y
3	STD3 580-379142/11	50.0	42.163009	100.0	33814.0	0.84326	Y
4	STD4 580-379142/10	100.0	82.539268	100.0	34443.0	0.825393	Y
5	STD5 580-379142/9	200.0	208.358336	100.0	32997.0	1.041792	Y
6	STD6 580-379142/8	500.0	515.429155	100.0	32296.0	1.030858	Y
7	STD7IS 580-379142/7	1000.0	1073.558132	100.0	32770.0	1.073558	Y
8	STD8 580-379142/6	2000.0	2075.931515	100.0	33467.0	1.037966	Y
9	STD9 580-379142/5	5000.0	5639.168695	100.0	32046.0	1.127834	Y
10	STD10 580-379142/4	10000.0	9181.626944	100.0	35748.0	0.918163	Y



Calibration / Benzoic acid

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

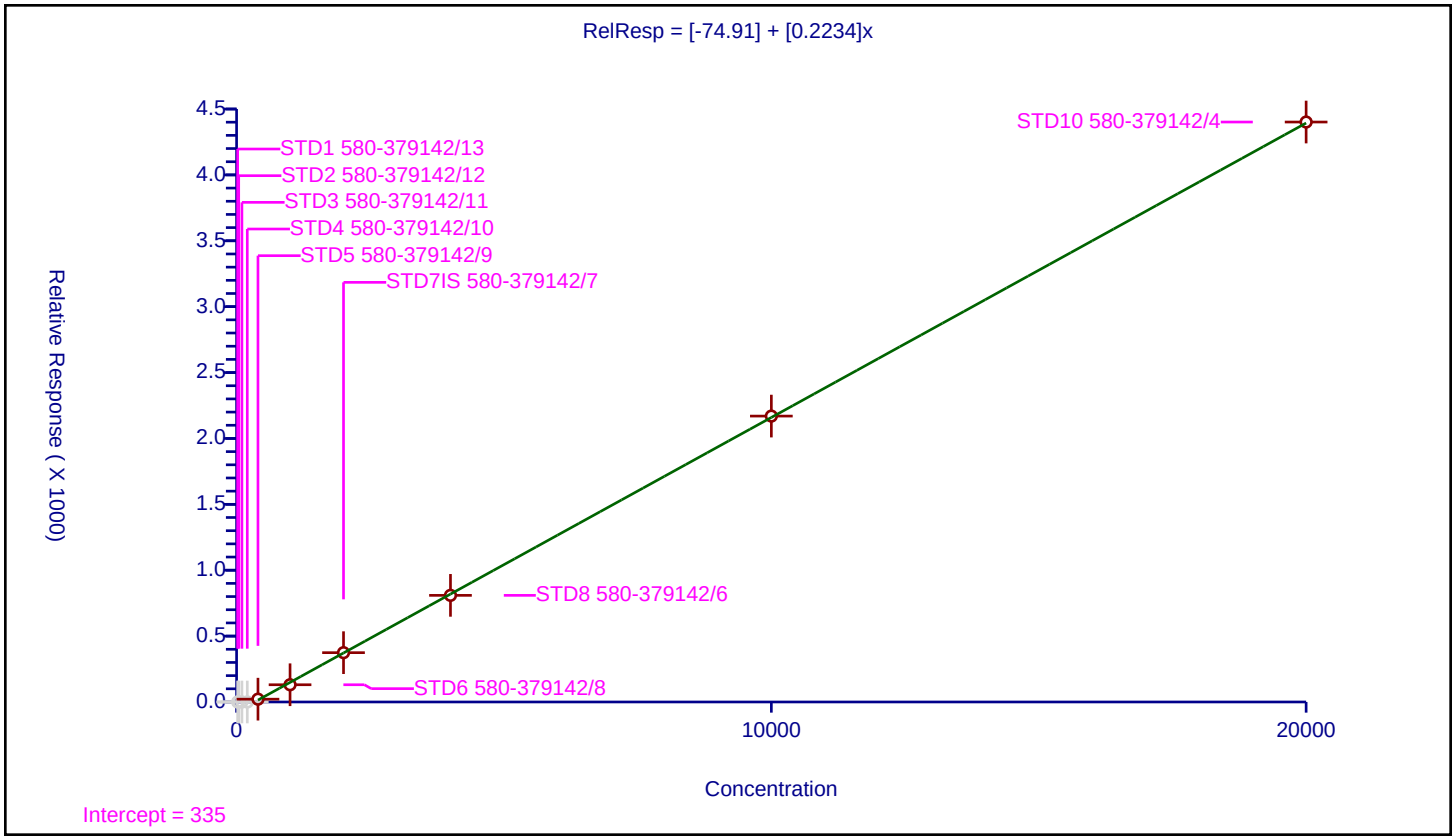
Curve Coefficients

Intercept:	-74.91
Slope:	0.2234

Error Coefficients

Standard Error:	3070000
Relative Standard Error:	5.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	102392.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	109558.0	0.0	N
3	STD3 580-379142/11	100.0	0.0	100.0	120154.0	0.0	N
4	STD4 580-379142/10	200.0	0.0	100.0	126881.0	0.0	N
5	STD5 580-379142/9	400.0	21.438914	100.0	121550.0	0.053597	Y
6	STD6 580-379142/8	1000.0	130.925928	100.0	117277.0	0.130926	Y
7	STD7IS 580-379142/7	2000.0	374.201593	100.0	118298.0	0.187101	Y
8	STD8 580-379142/6	4000.0	809.215356	100.0	129957.0	0.202304	Y
9	STD9 580-379142/5	10000.0	2169.698794	100.0	126226.0	0.21697	Y
10	STD10 580-379142/4	20000.0	4401.205056	100.0	122401.0	0.22006	Y



Calibration / Bis(2-chloroethoxy)methane

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

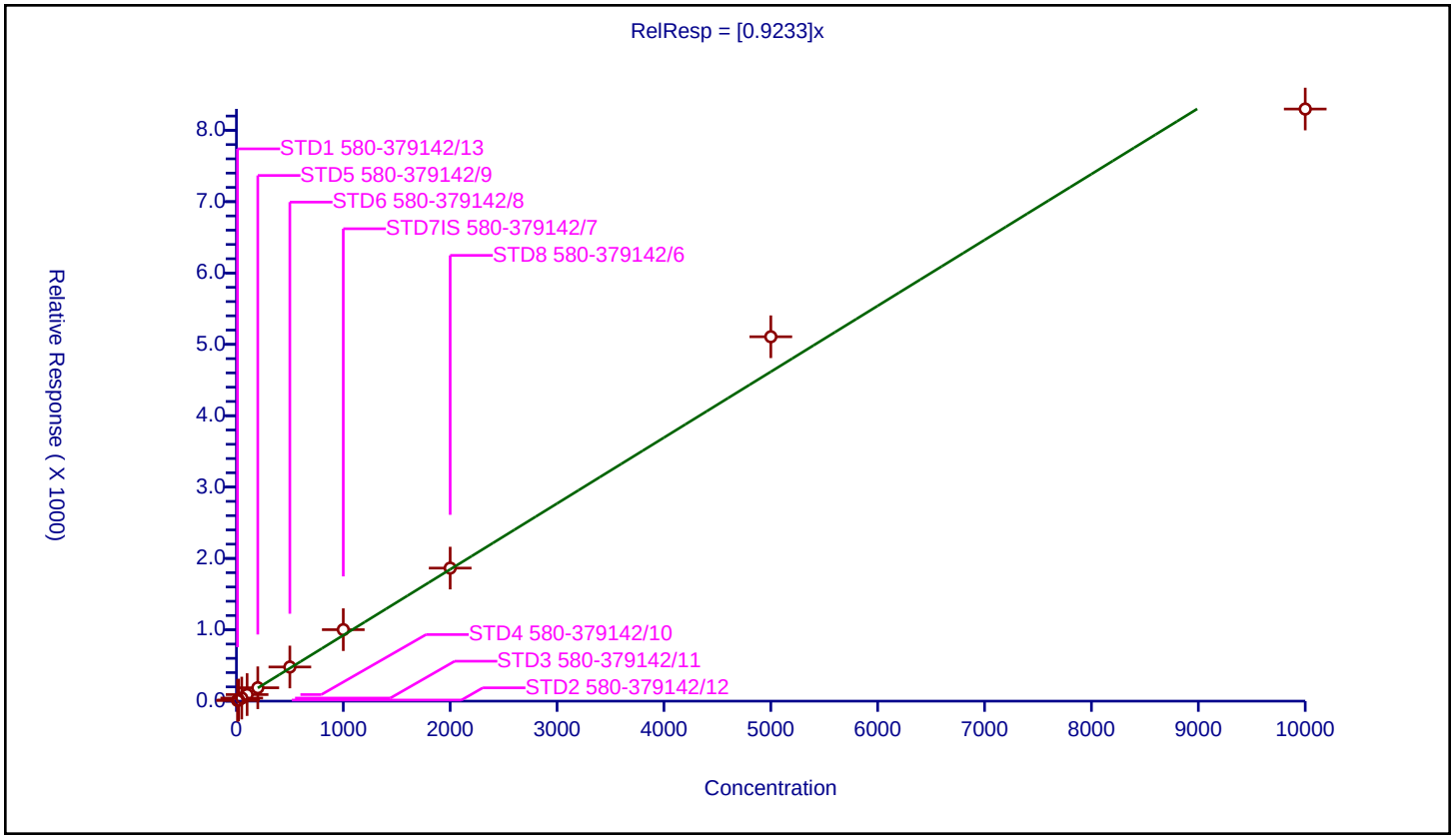
Curve Coefficients

Intercept:	0
Slope:	0.9233

Error Coefficients

Standard Error:	1150000
Relative Standard Error:	8.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	9.977551	100.0	28063.0	0.997755	Y
2	STD2 580-379142/12	20.0	15.369508	100.0	31569.0	0.768475	Y
3	STD3 580-379142/11	50.0	43.227657	100.0	33814.0	0.864553	Y
4	STD4 580-379142/10	100.0	92.129025	100.0	34443.0	0.92129	Y
5	STD5 580-379142/9	200.0	187.723126	100.0	32997.0	0.938616	Y
6	STD6 580-379142/8	500.0	478.551523	100.0	32296.0	0.957103	Y
7	STD7IS 580-379142/7	1000.0	1001.742447	100.0	32770.0	1.001742	Y
8	STD8 580-379142/6	2000.0	1864.574058	100.0	33467.0	0.932287	Y
9	STD9 580-379142/5	5000.0	5106.624852	100.0	32046.0	1.021325	Y
10	STD10 580-379142/4	10000.0	8297.980307	100.0	35748.0	0.829798	Y



Calibration / 2,4-Dichlorophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

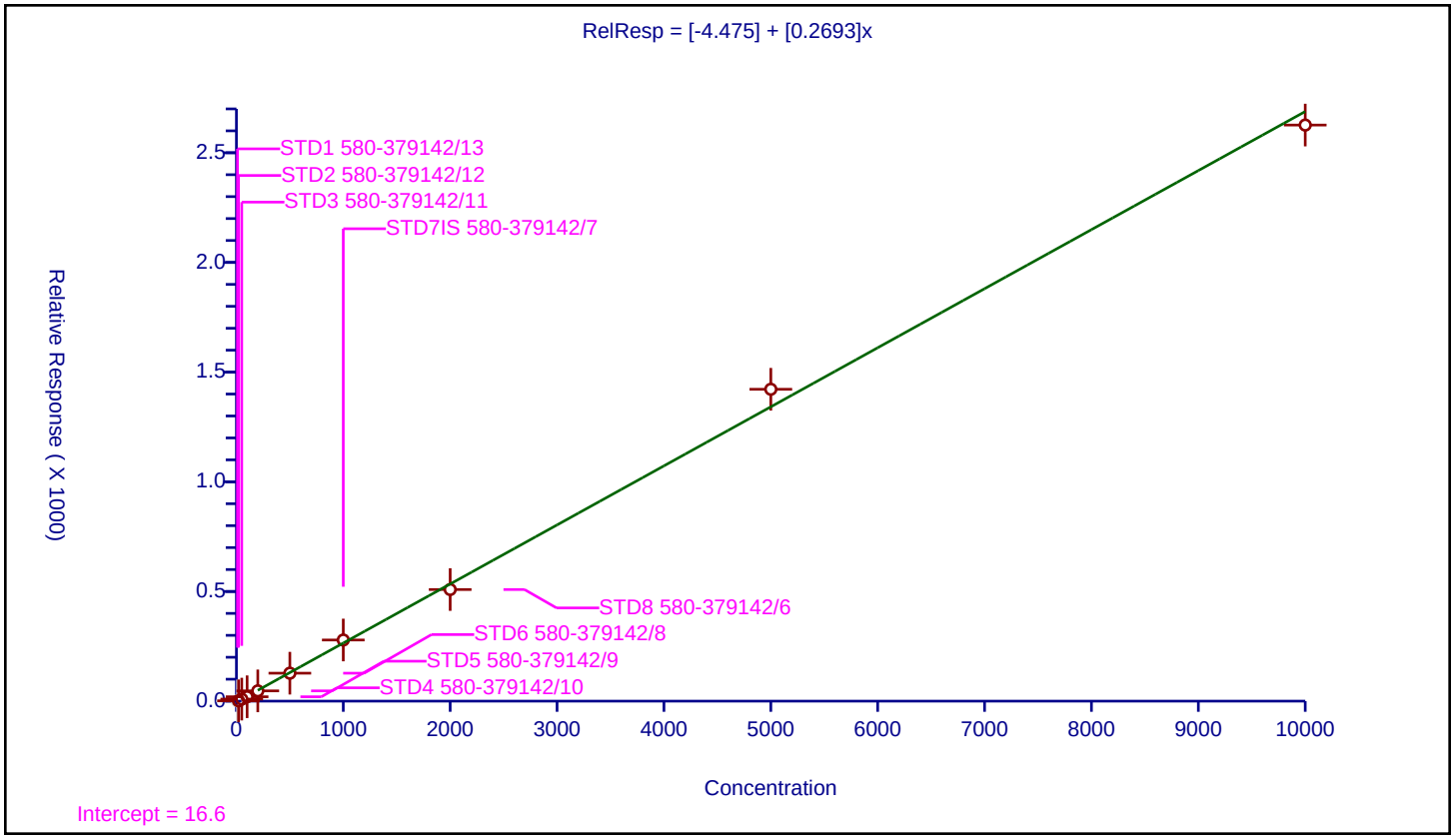
Curve Coefficients

Intercept:	-4.475
Slope:	0.2693

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	6.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.981522	100.0	102392.0	0.098152	N
2	STD2 580-379142/12	20.0	1.438507	100.0	109558.0	0.071925	Y
3	STD3 580-379142/11	50.0	9.274764	100.0	120154.0	0.185495	Y
4	STD4 580-379142/10	100.0	19.947037	100.0	126881.0	0.19947	Y
5	STD5 580-379142/9	200.0	46.798026	100.0	121550.0	0.23399	Y
6	STD6 580-379142/8	500.0	127.440163	100.0	117277.0	0.25488	Y
7	STD7IS 580-379142/7	1000.0	278.716462	100.0	118298.0	0.278716	Y
8	STD8 580-379142/6	2000.0	508.821379	100.0	129957.0	0.254411	Y
9	STD9 580-379142/5	5000.0	1421.784735	100.0	126226.0	0.284357	Y
10	STD10 580-379142/4	10000.0	2626.27021	100.0	122401.0	0.262627	Y



Calibration / 1,2,4-Trichlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

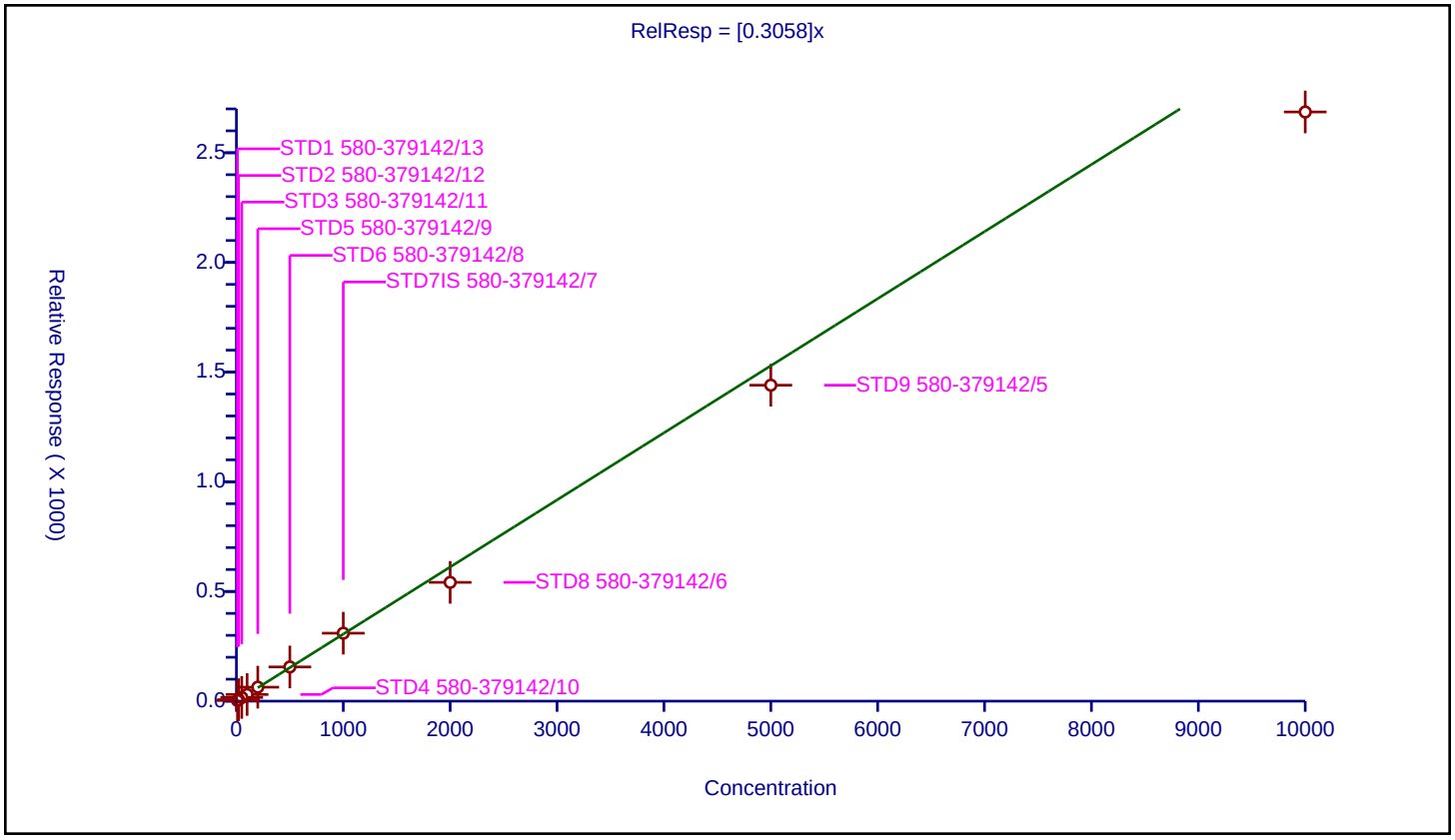
Curve Coefficients

Intercept:	0
Slope:	0.3058

Error Coefficients

Standard Error:	1280000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	3.108641	100.0	102392.0	0.310864	Y
2	STD2 580-379142/12	20.0	6.74346	100.0	109558.0	0.337173	Y
3	STD3 580-379142/11	50.0	16.900811	100.0	120154.0	0.338016	Y
4	STD4 580-379142/10	100.0	30.414325	100.0	126881.0	0.304143	Y
5	STD5 580-379142/9	200.0	63.712053	100.0	121550.0	0.31856	Y
6	STD6 580-379142/8	500.0	155.973465	100.0	117277.0	0.311947	Y
7	STD7IS 580-379142/7	1000.0	309.817579	100.0	118298.0	0.309818	Y
8	STD8 580-379142/6	2000.0	541.510654	100.0	129957.0	0.270755	Y
9	STD9 580-379142/5	5000.0	1440.413227	100.0	126226.0	0.288083	Y
10	STD10 580-379142/4	10000.0	2685.881651	100.0	122401.0	0.268588	Y



Calibration / Naphthalene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

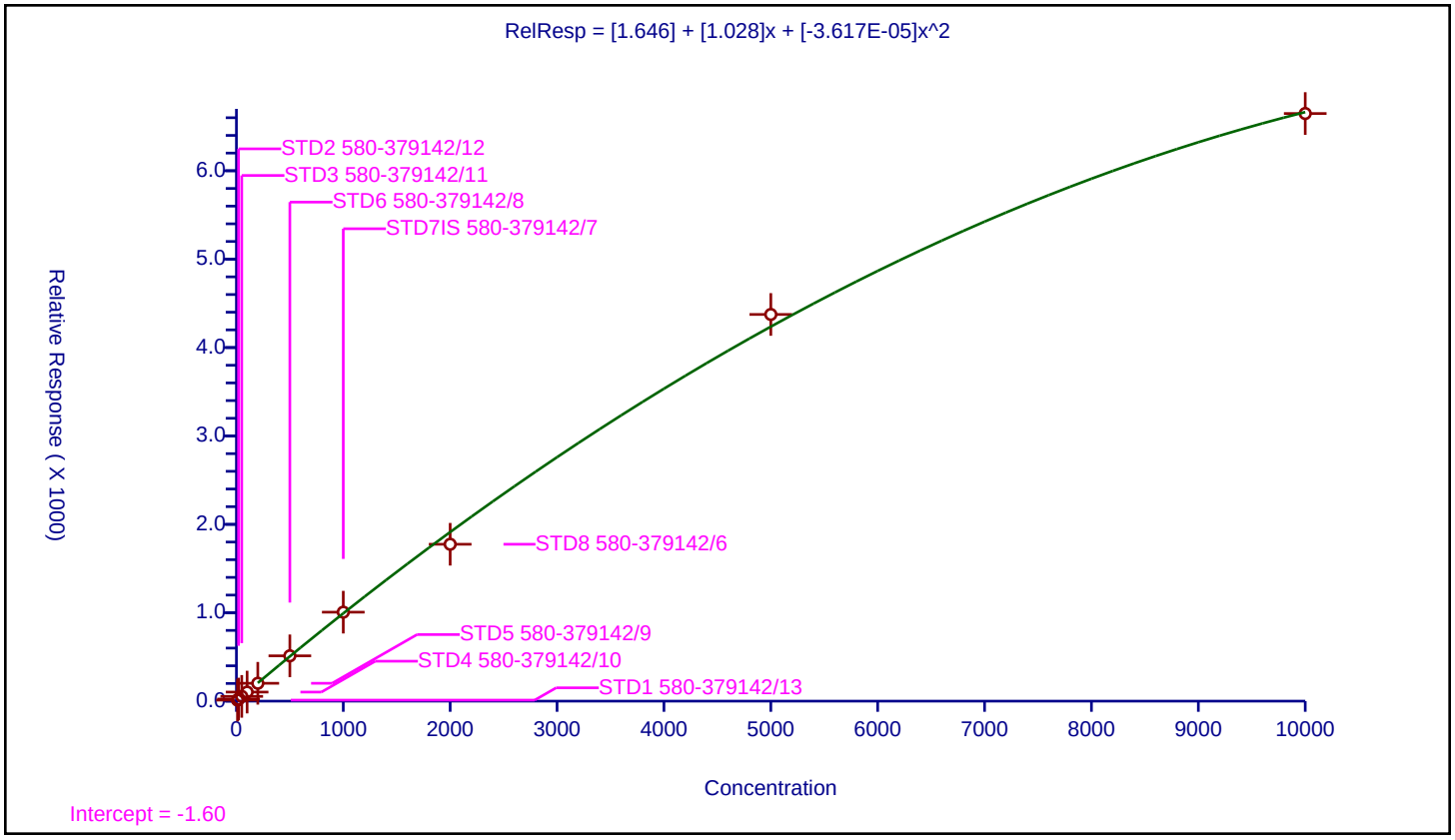
Curve Coefficients

Intercept:	1.646
Slope:	1.028
Second Order:	-3.617E-05

Error Coefficients

Standard Error:	3850000
Relative Standard Error:	4.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	11.572193	100.0	102392.0	1.157219	Y
2	STD2 580-379142/12	20.0	23.535479	100.0	109558.0	1.176774	Y
3	STD3 580-379142/11	50.0	53.832582	100.0	120154.0	1.076652	Y
4	STD4 580-379142/10	100.0	102.663913	100.0	126881.0	1.026639	Y
5	STD5 580-379142/9	200.0	202.069107	100.0	121550.0	1.010346	Y
6	STD6 580-379142/8	500.0	512.74504	100.0	117277.0	1.02549	Y
7	STD7IS 580-379142/7	1000.0	1006.607889	100.0	118298.0	1.006608	Y
8	STD8 580-379142/6	2000.0	1774.837831	100.0	129957.0	0.887419	Y
9	STD9 580-379142/5	5000.0	4374.410977	100.0	126226.0	0.874882	Y
10	STD10 580-379142/4	10000.0	6647.57069	100.0	122401.0	0.664757	Y



Calibration / 2,6-Dichlorophenol

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

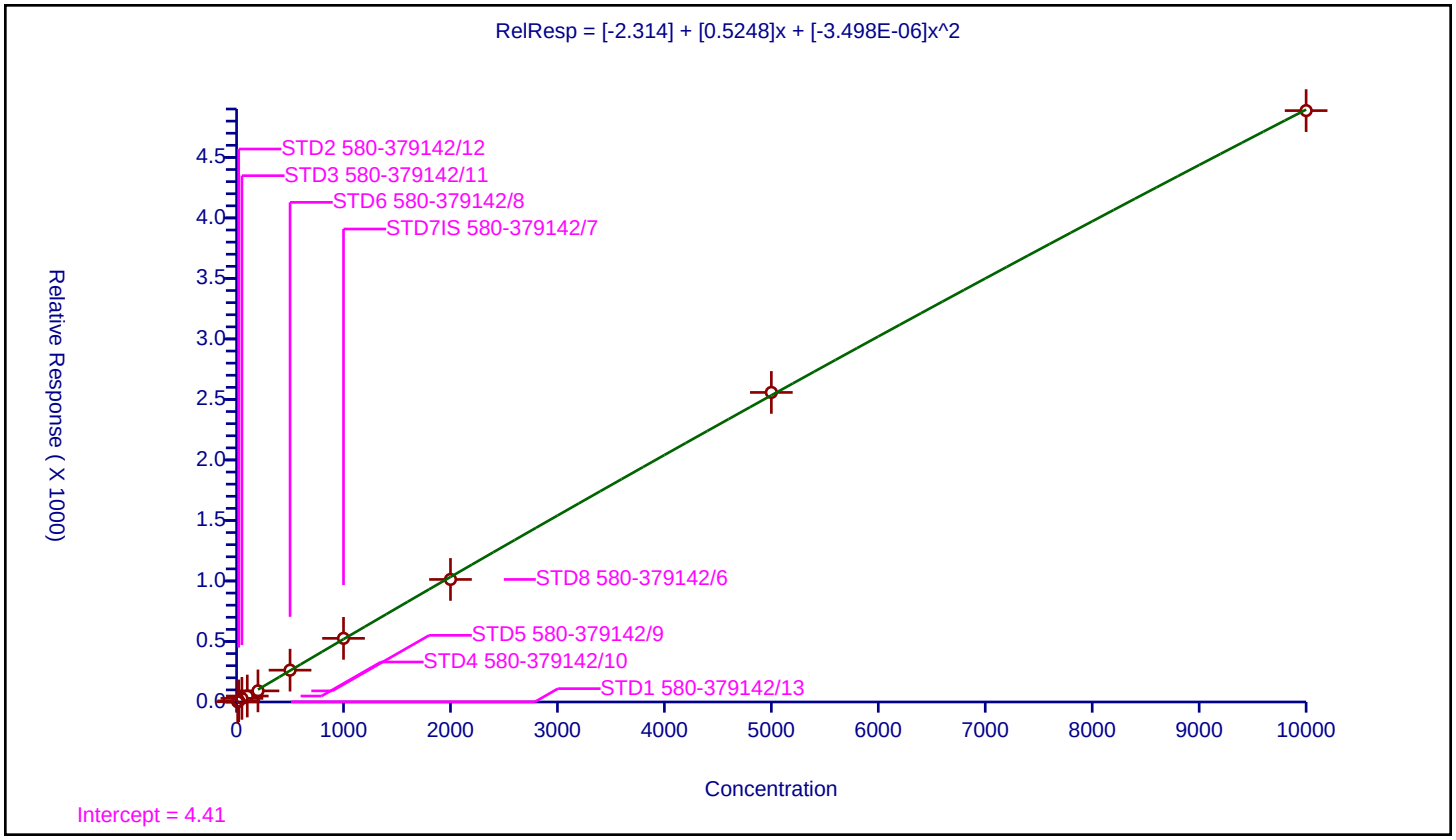
Curve Coefficients

Intercept:	-2.314
Slope:	0.5248
Second Order:	-3.498E-06

Error Coefficients

Standard Error:	1410000
Relative Standard Error:	12.5
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	1.865519	100.0	41597.0	0.186552	Y
2	STD2 580-379142/12	20.0	9.028176	100.0	50575.0	0.451409	Y
3	STD3 580-379142/11	50.0	29.762563	100.0	54246.0	0.595251	Y
4	STD4 580-379142/10	100.0	49.348486	100.0	57635.0	0.493485	Y
5	STD5 580-379142/9	200.0	91.840908	100.0	60644.0	0.459205	Y
6	STD6 580-379142/8	500.0	263.071072	100.0	63105.0	0.526142	Y
7	STD7IS 580-379142/7	1000.0	525.91827	100.0	65313.0	0.525918	Y
8	STD8 580-379142/6	2000.0	1012.755056	100.0	65966.0	0.506378	Y
9	STD9 580-379142/5	5000.0	2558.056351	100.0	69529.0	0.511611	Y
10	STD10 580-379142/4	10000.0	4886.844233	100.0	65553.0	0.488684	Y



Calibration / 4-Chloroaniline

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

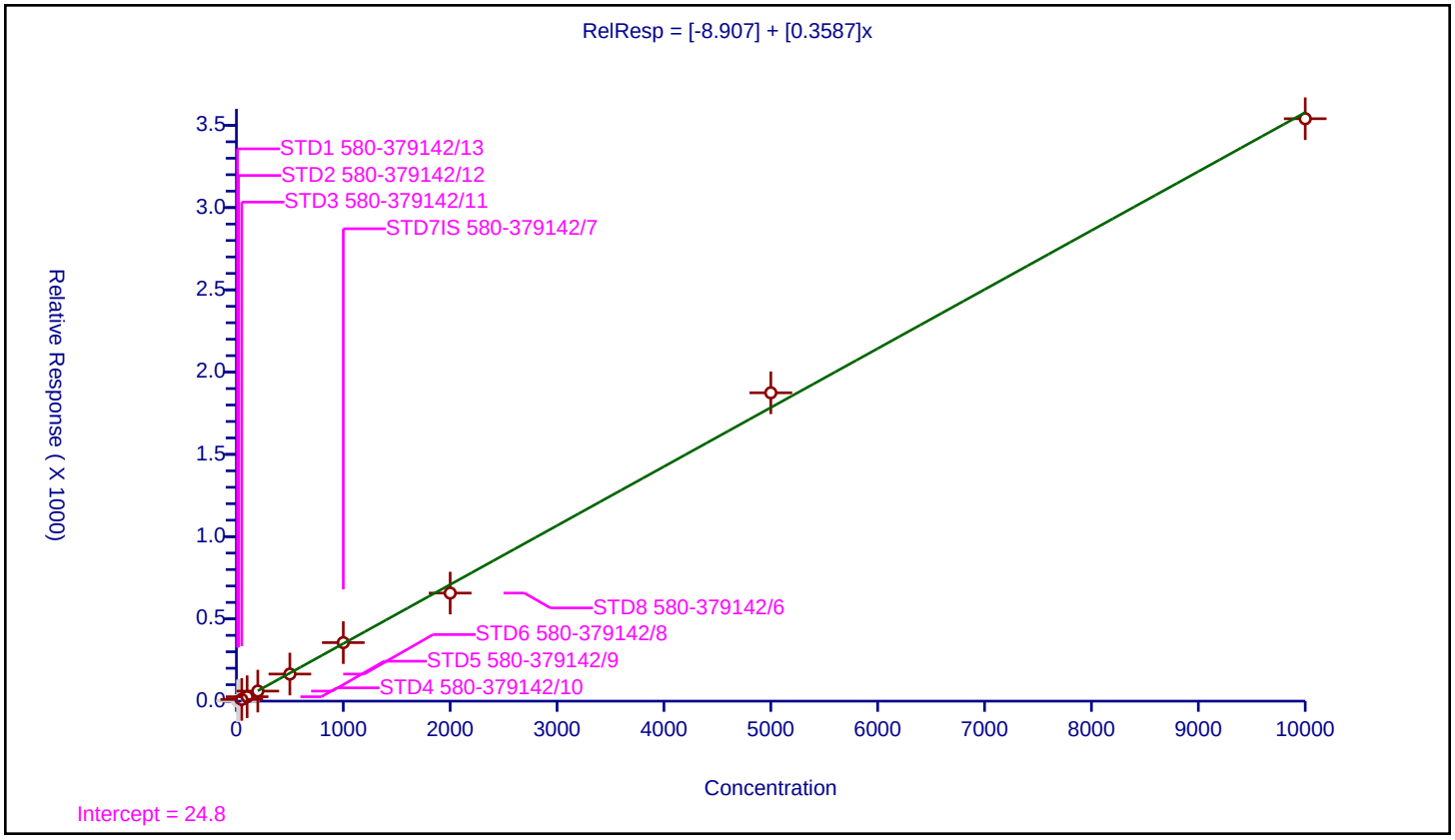
Curve Coefficients

Intercept:	-8.907
Slope:	0.3587

Error Coefficients

Standard Error:	2050000
Relative Standard Error:	5.0
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	1.163177	100.0	102392.0	0.116318	N
2	STD2 580-379142/12	20.0	4.400409	100.0	109558.0	0.22002	N
3	STD3 580-379142/11	50.0	10.360038	100.0	120154.0	0.207201	Y
4	STD4 580-379142/10	100.0	26.840898	100.0	126881.0	0.268409	Y
5	STD5 580-379142/9	200.0	61.159194	100.0	121550.0	0.305796	Y
6	STD6 580-379142/8	500.0	164.759501	100.0	117277.0	0.329519	Y
7	STD7IS 580-379142/7	1000.0	355.792997	100.0	118298.0	0.355793	Y
8	STD8 580-379142/6	2000.0	656.852651	100.0	129957.0	0.328426	Y
9	STD9 580-379142/5	5000.0	1874.346014	100.0	126226.0	0.374869	Y
10	STD10 580-379142/4	10000.0	3540.209639	100.0	122401.0	0.354021	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

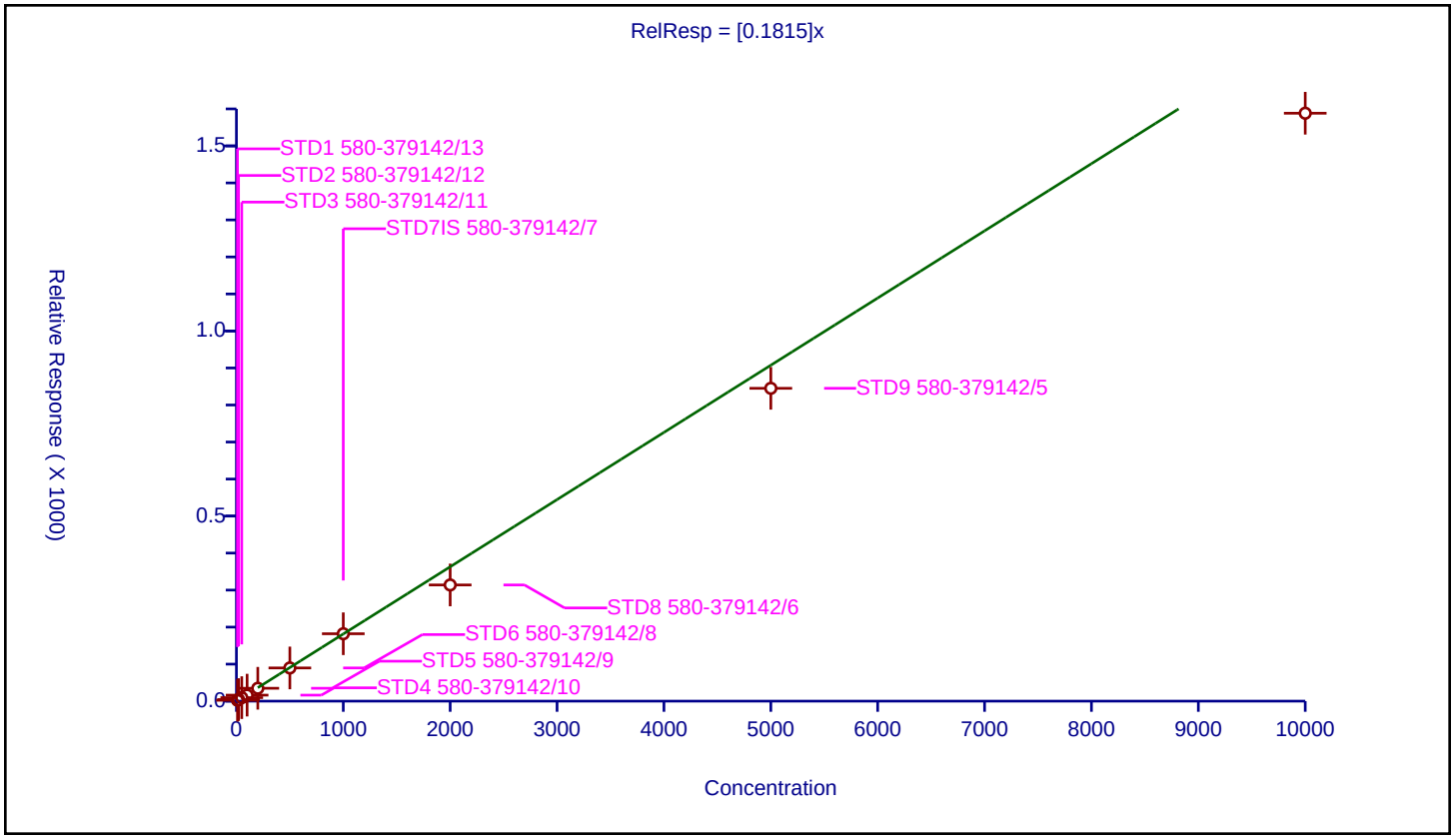
Curve Coefficients

Intercept:	0
Slope:	0.1815

Error Coefficients

Standard Error:	755000
Relative Standard Error:	13.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.975

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	2.319517	100.0	102392.0	0.231952	Y
2	STD2 580-379142/12	20.0	4.230636	100.0	109558.0	0.211532	Y
3	STD3 580-379142/11	50.0	9.467017	100.0	120154.0	0.18934	Y
4	STD4 580-379142/10	100.0	16.196278	100.0	126881.0	0.161963	Y
5	STD5 580-379142/9	200.0	34.788153	100.0	121550.0	0.173941	Y
6	STD6 580-379142/8	500.0	89.685957	100.0	117277.0	0.179372	Y
7	STD7IS 580-379142/7	1000.0	182.094372	100.0	118298.0	0.182094	Y
8	STD8 580-379142/6	2000.0	313.899213	100.0	129957.0	0.15695	Y
9	STD9 580-379142/5	5000.0	845.166606	100.0	126226.0	0.169033	Y
10	STD10 580-379142/4	10000.0	1588.280325	100.0	122401.0	0.158828	Y



Calibration / 4-Chloro-3-methylphenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

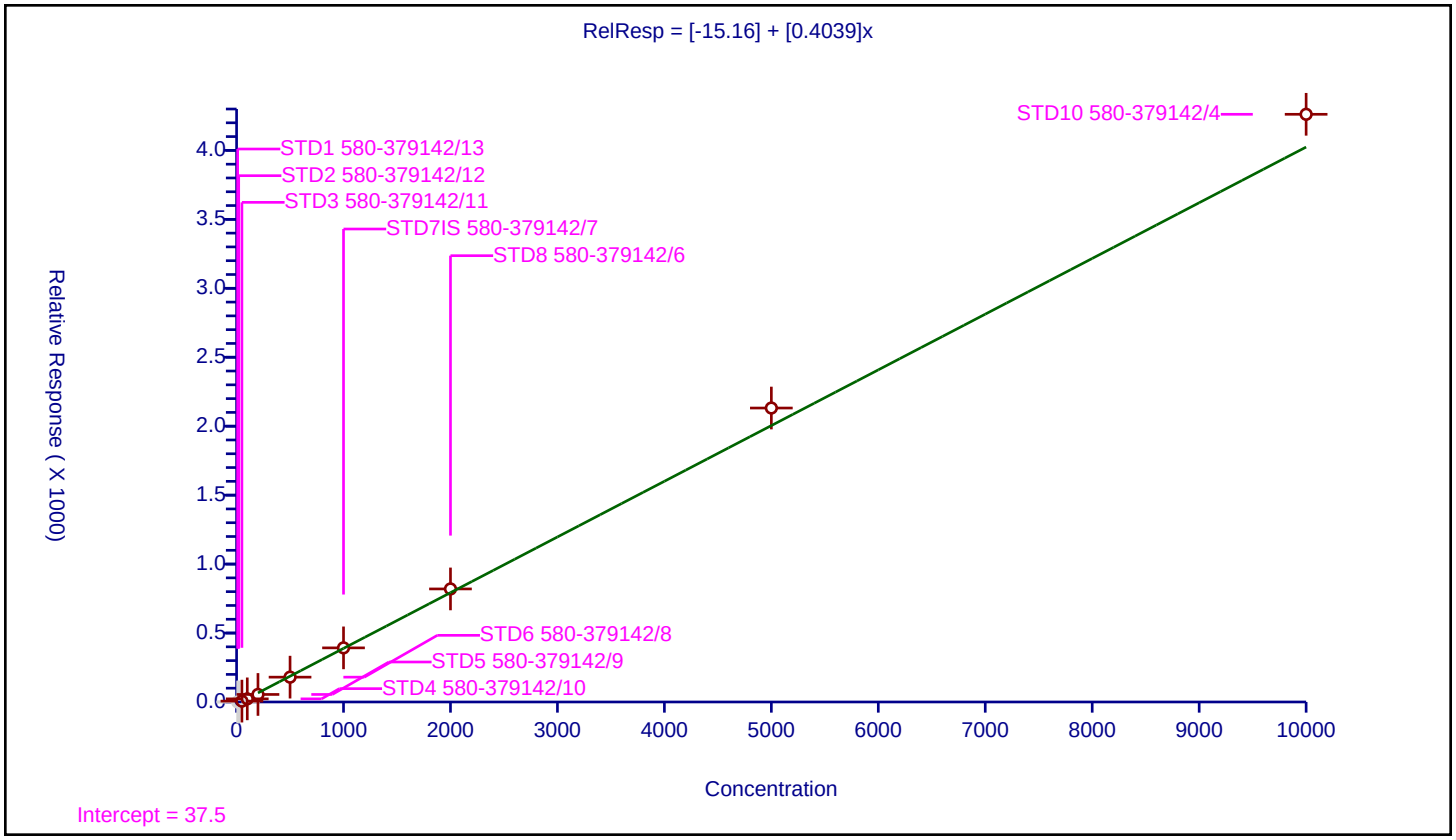
Curve Coefficients

Intercept:	-15.16
Slope:	0.4039

Error Coefficients

Standard Error:	1310000
Relative Standard Error:	7.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	6.358072	100.0	54246.0	0.127161	Y
4	STD4 580-379142/10	100.0	22.800382	100.0	57635.0	0.228004	Y
5	STD5 580-379142/9	200.0	54.612163	100.0	60644.0	0.273061	Y
6	STD6 580-379142/8	500.0	180.106172	100.0	63105.0	0.360212	Y
7	STD7IS 580-379142/7	1000.0	392.488479	100.0	65313.0	0.392488	Y
8	STD8 580-379142/6	2000.0	819.758664	100.0	65966.0	0.409879	Y
9	STD9 580-379142/5	5000.0	2131.673115	100.0	69529.0	0.426335	Y
10	STD10 580-379142/4	10000.0	4261.676811	100.0	65553.0	0.426168	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

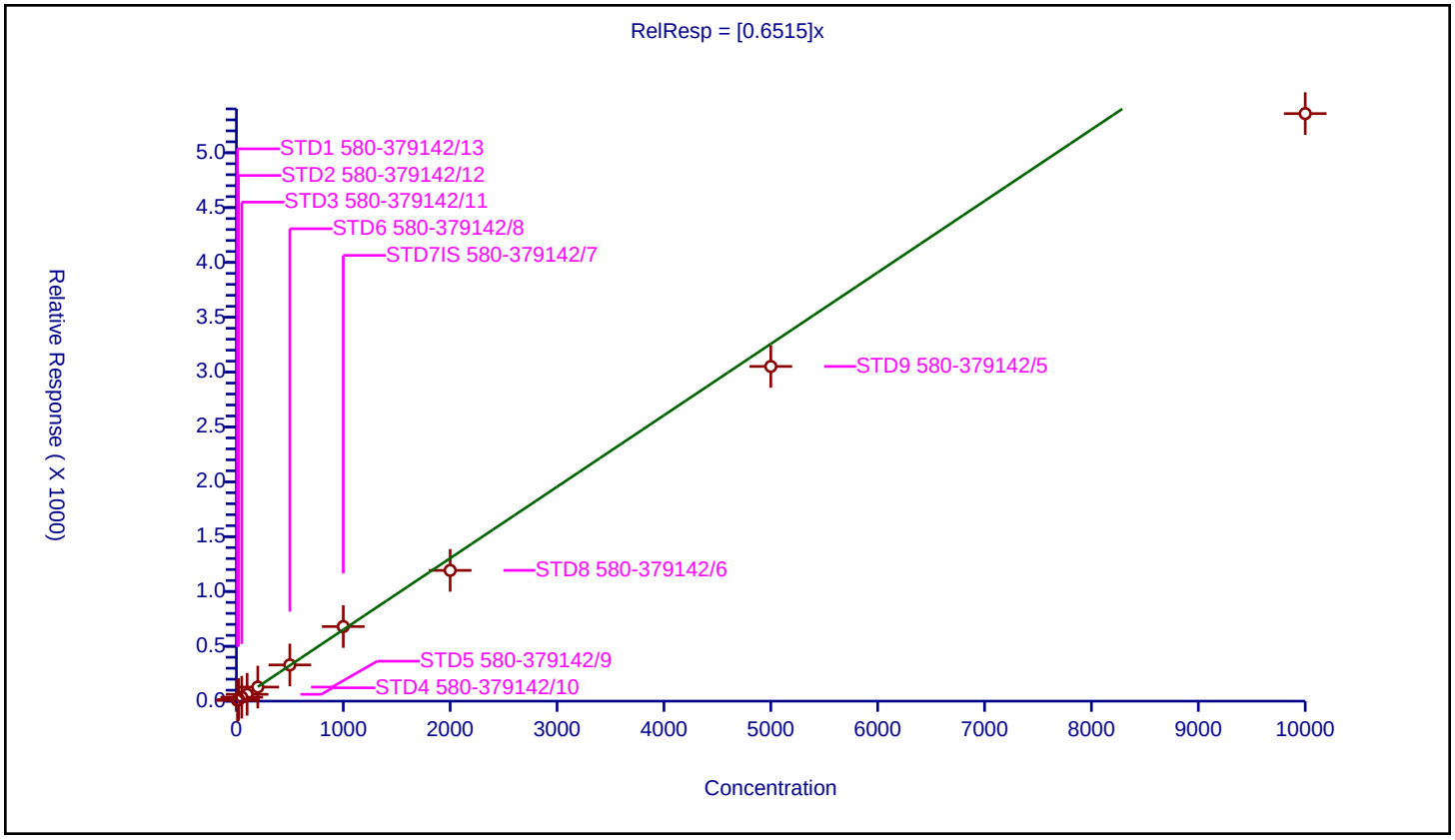
Curve Coefficients

Intercept:	0
Slope:	0.6515

Error Coefficients

Standard Error:	2600000
Relative Standard Error:	9.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	6.965388	100.0	102392.0	0.696539	Y
2	STD2 580-379142/12	20.0	15.130798	100.0	109558.0	0.75654	Y
3	STD3 580-379142/11	50.0	35.803219	100.0	120154.0	0.716064	Y
4	STD4 580-379142/10	100.0	62.196862	100.0	126881.0	0.621969	Y
5	STD5 580-379142/9	200.0	128.281366	100.0	121550.0	0.641407	Y
6	STD6 580-379142/8	500.0	330.031464	100.0	117277.0	0.660063	Y
7	STD7IS 580-379142/7	1000.0	679.966694	100.0	118298.0	0.679967	Y
8	STD8 580-379142/6	2000.0	1192.173565	100.0	129957.0	0.596087	Y
9	STD9 580-379142/5	5000.0	3051.666059	100.0	126226.0	0.610333	Y
10	STD10 580-379142/4	10000.0	5356.996266	100.0	122401.0	0.5357	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

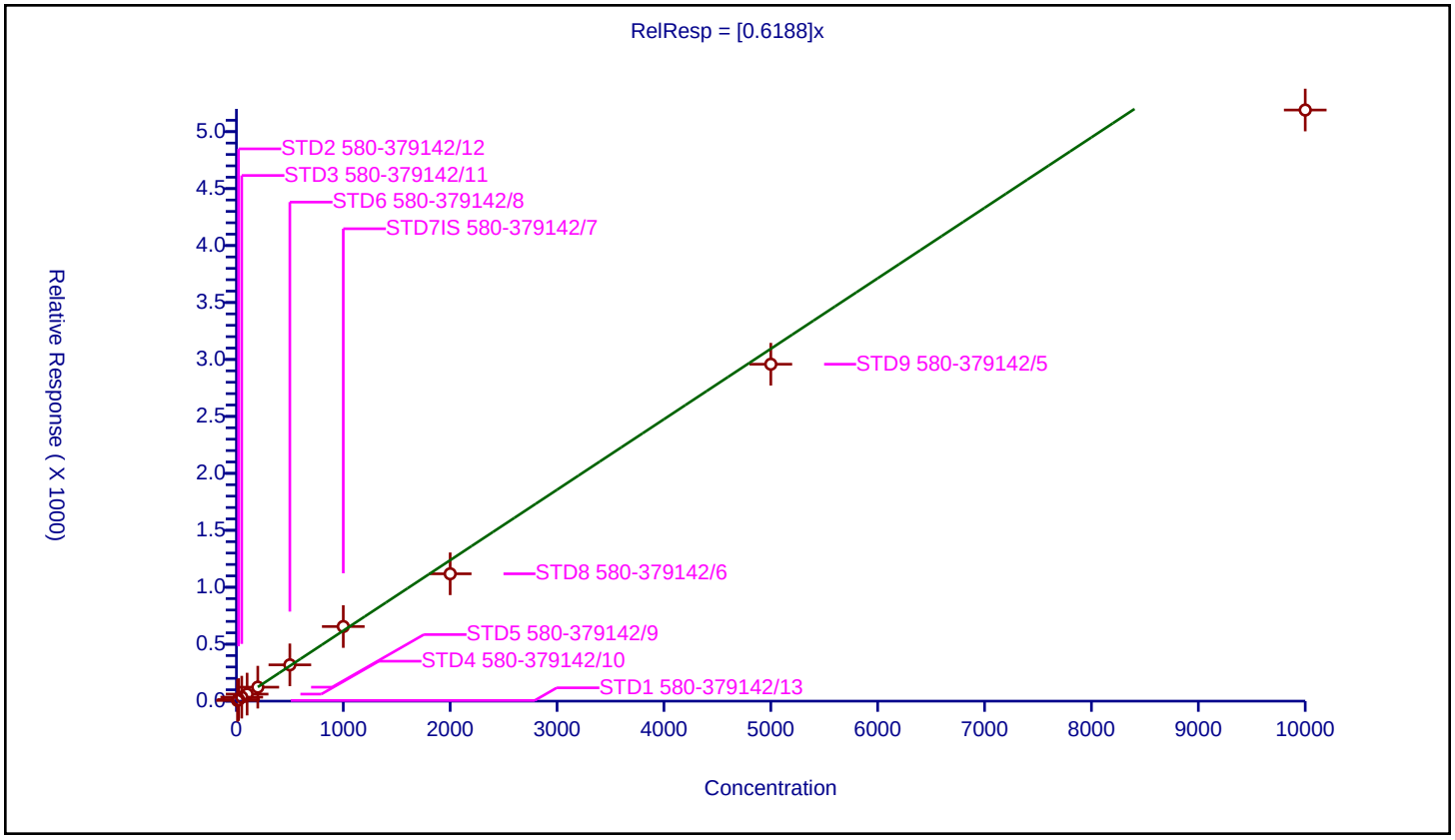
Curve Coefficients

Intercept:	0
Slope:	0.6188

Error Coefficients

Standard Error:	2520000
Relative Standard Error:	8.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	6.076647	100.0	102392.0	0.607665	Y
2	STD2 580-379142/12	20.0	13.810037	100.0	109558.0	0.690502	Y
3	STD3 580-379142/11	50.0	34.847779	100.0	120154.0	0.696956	Y
4	STD4 580-379142/10	100.0	61.745257	100.0	126881.0	0.617453	Y
5	STD5 580-379142/9	200.0	122.558618	100.0	121550.0	0.612793	Y
6	STD6 580-379142/8	500.0	318.609787	100.0	117277.0	0.63722	Y
7	STD7IS 580-379142/7	1000.0	655.224095	100.0	118298.0	0.655224	Y
8	STD8 580-379142/6	2000.0	1118.207561	100.0	129957.0	0.559104	Y
9	STD9 580-379142/5	5000.0	2958.297023	100.0	126226.0	0.591659	Y
10	STD10 580-379142/4	10000.0	5190.084231	100.0	122401.0	0.519008	Y



Calibration / Hexachlorocyclopentadiene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

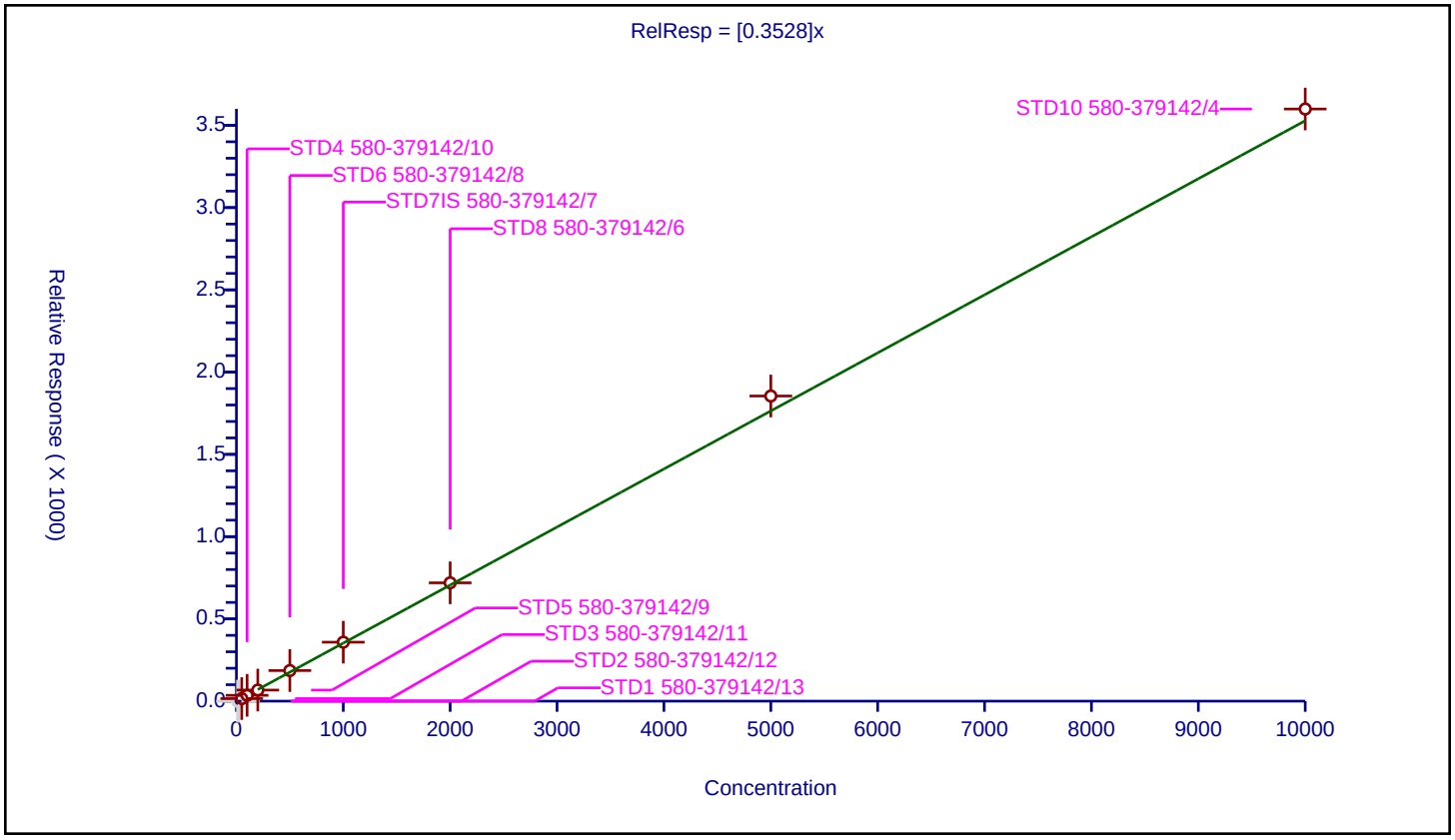
Curve Coefficients

Intercept:	0
Slope:	0.3528

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	5.7
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	15.566125	100.0	54246.0	0.311322	Y
4	STD4 580-379142/10	100.0	35.414245	100.0	57635.0	0.354142	Y
5	STD5 580-379142/9	200.0	67.238309	100.0	60644.0	0.336192	Y
6	STD6 580-379142/8	500.0	186.010617	100.0	63105.0	0.372021	Y
7	STD7IS 580-379142/7	1000.0	358.378883	100.0	65313.0	0.358379	Y
8	STD8 580-379142/6	2000.0	719.199284	100.0	65966.0	0.3596	Y
9	STD9 580-379142/5	5000.0	1854.74694	100.0	69529.0	0.370949	Y
10	STD10 580-379142/4	10000.0	3599.109118	100.0	65553.0	0.359911	Y



Curve Type:	Quadratic
Weighting:	None
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

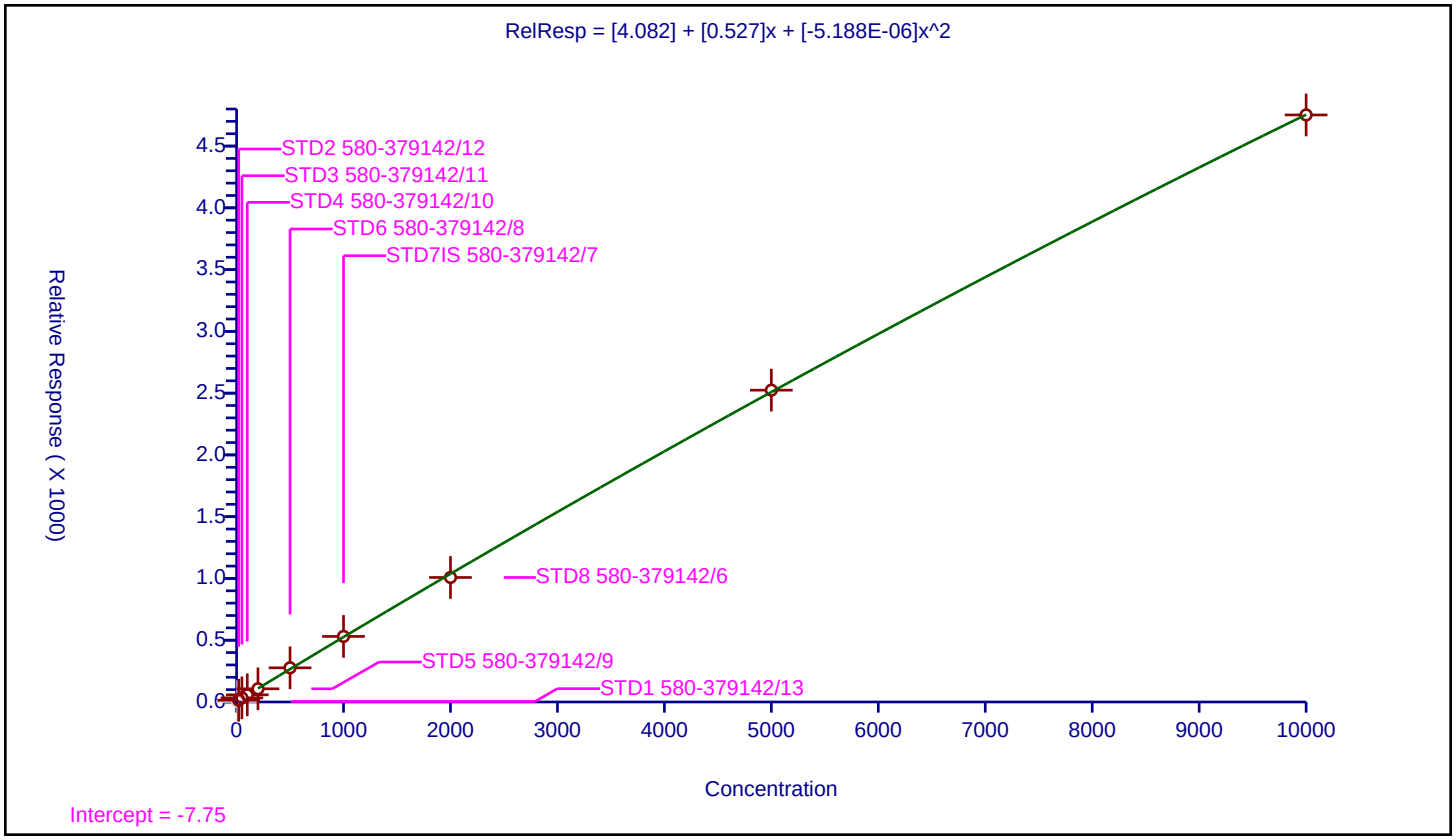
Curve Coefficients

Intercept:	4.082
Slope:	0.527
Second Order:	-5.188E-06

Error Coefficients

Standard Error:	1490000
Relative Standard Error:	5.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	4.185398	100.0	41597.0	0.41854	N
2	STD2 580-379142/12	20.0	14.657439	100.0	50575.0	0.732872	Y
3	STD3 580-379142/11	50.0	33.28909	100.0	54246.0	0.665782	Y
4	STD4 580-379142/10	100.0	57.914462	100.0	57635.0	0.579145	Y
5	STD5 580-379142/9	200.0	106.663479	100.0	60644.0	0.533317	Y
6	STD6 580-379142/8	500.0	276.672213	100.0	63105.0	0.553344	Y
7	STD7IS 580-379142/7	1000.0	530.767229	100.0	65313.0	0.530767	Y
8	STD8 580-379142/6	2000.0	1008.025346	100.0	65966.0	0.504013	Y
9	STD9 580-379142/5	5000.0	2524.171209	100.0	69529.0	0.504834	Y
10	STD10 580-379142/4	10000.0	4752.099828	100.0	65553.0	0.47521	Y



Calibration / 2,4,6-Trichlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

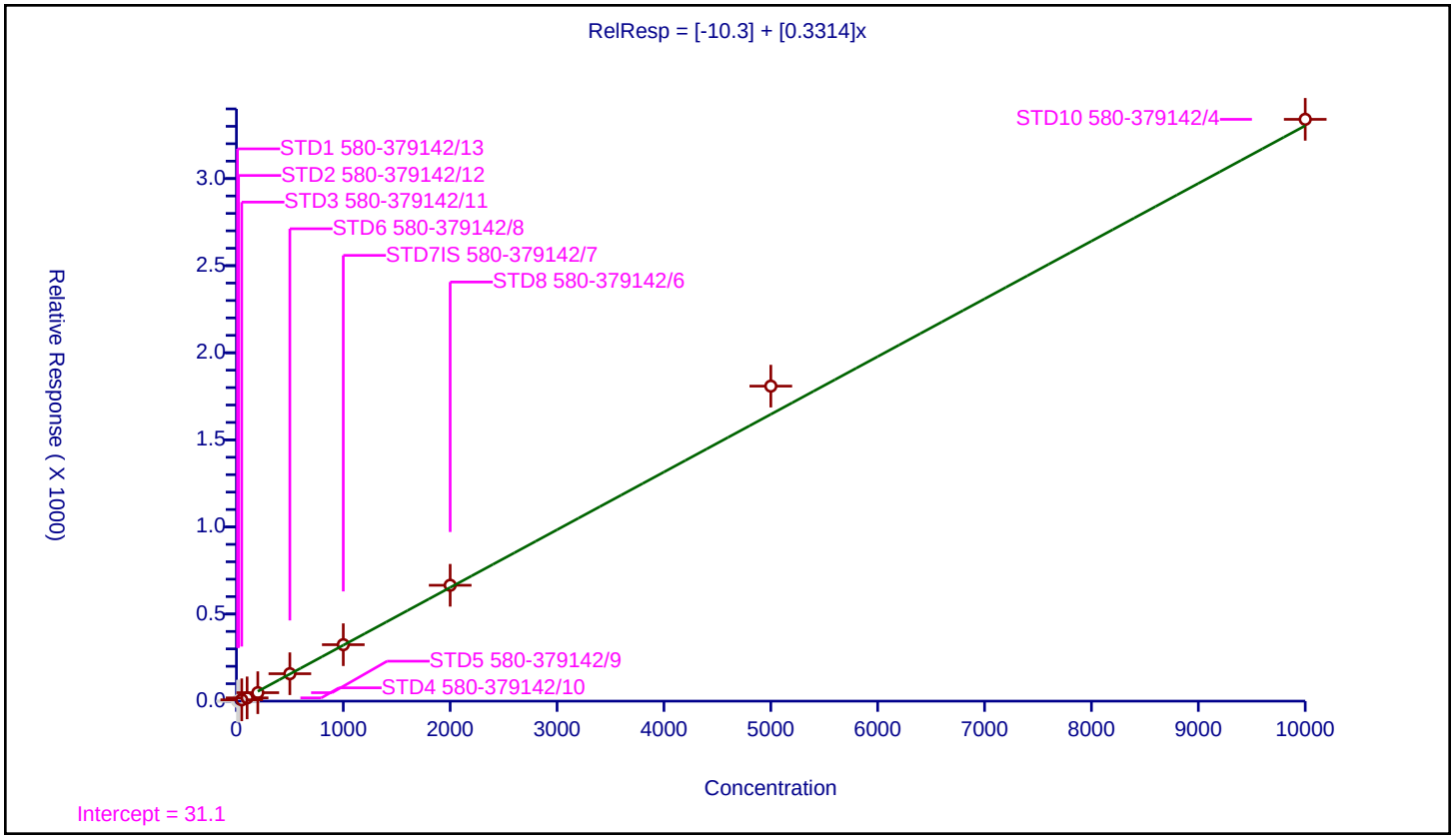
Curve Coefficients

Intercept:	-10.3
Slope:	0.3314

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	8.7
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	7.703794	100.0	54246.0	0.154076	Y
4	STD4 580-379142/10	100.0	18.747289	100.0	57635.0	0.187473	Y
5	STD5 580-379142/9	200.0	48.515929	100.0	60644.0	0.24258	Y
6	STD6 580-379142/8	500.0	157.447112	100.0	63105.0	0.314894	Y
7	STD7IS 580-379142/7	1000.0	324.123834	100.0	65313.0	0.324124	Y
8	STD8 580-379142/6	2000.0	665.153261	100.0	65966.0	0.332577	Y
9	STD9 580-379142/5	5000.0	1808.410879	100.0	69529.0	0.361682	Y
10	STD10 580-379142/4	10000.0	3340.054612	100.0	65553.0	0.334005	Y



Calibration / 2,4,5-Trichlorophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

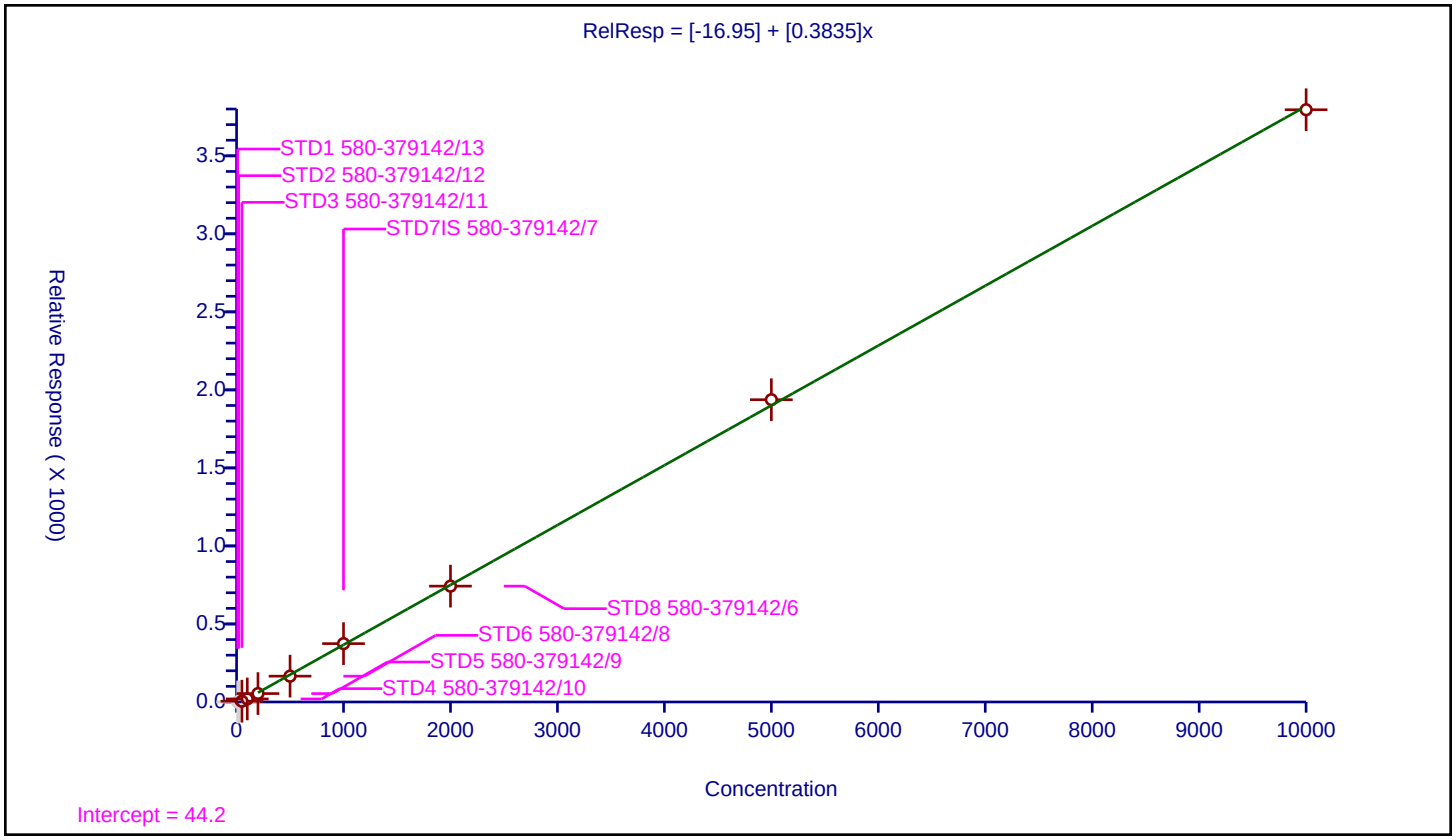
Curve Coefficients

Intercept:	-16.95
Slope:	0.3835

Error Coefficients

Standard Error:	1180000
Relative Standard Error:	7.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	5.082402	100.0	54246.0	0.101648	Y
4	STD4 580-379142/10	100.0	19.597467	100.0	57635.0	0.195975	Y
5	STD5 580-379142/9	200.0	53.875074	100.0	60644.0	0.269375	Y
6	STD6 580-379142/8	500.0	165.557404	100.0	63105.0	0.331115	Y
7	STD7IS 580-379142/7	1000.0	373.945463	100.0	65313.0	0.373945	Y
8	STD8 580-379142/6	2000.0	742.350605	100.0	65966.0	0.371175	Y
9	STD9 580-379142/5	5000.0	1937.052165	100.0	69529.0	0.38741	Y
10	STD10 580-379142/4	10000.0	3795.344225	100.0	65553.0	0.379534	Y



Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

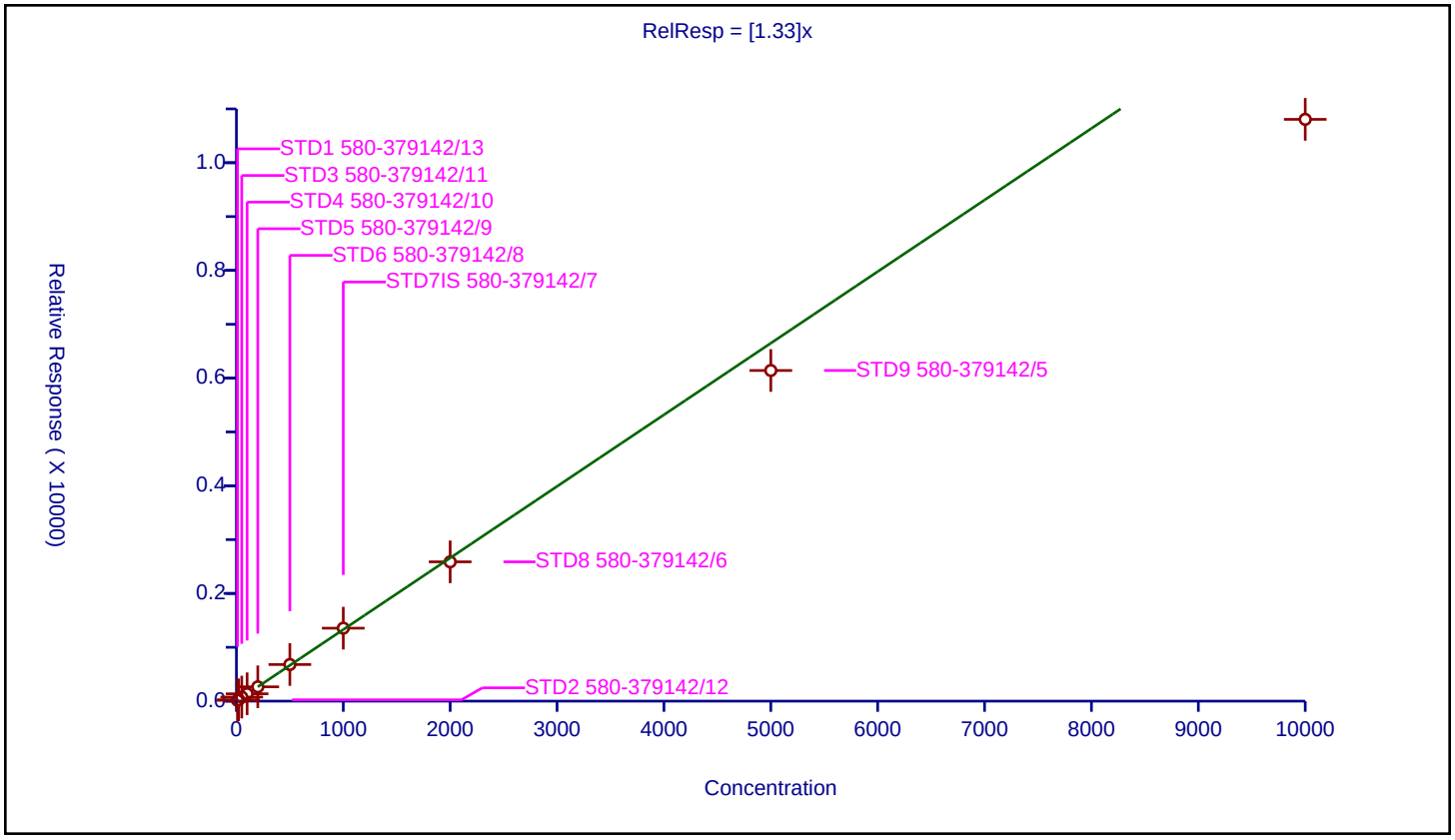
Curve Coefficients

Intercept:	0
Slope:	1.33

Error Coefficients

Standard Error:	2830000
Relative Standard Error:	10.2
Correlation Coefficient:	0.991
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	15.431401	100.0	41597.0	1.54314	Y
2	STD2 580-379142/12	20.0	24.488384	100.0	50575.0	1.224419	Y
3	STD3 580-379142/11	50.0	75.607418	100.0	54246.0	1.512148	Y
4	STD4 580-379142/10	100.0	136.843932	100.0	57635.0	1.368439	Y
5	STD5 580-379142/9	200.0	266.131851	100.0	60644.0	1.330659	Y
6	STD6 580-379142/8	500.0	680.076064	100.0	63105.0	1.360152	Y
7	STD7IS 580-379142/7	1000.0	1355.171252	100.0	65313.0	1.355171	Y
8	STD8 580-379142/6	2000.0	2587.589061	100.0	65966.0	1.293795	Y
9	STD9 580-379142/5	5000.0	6141.423003	100.0	69529.0	1.228285	Y
10	STD10 580-379142/4	10000.0	10805.630558	100.0	65553.0	1.080563	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

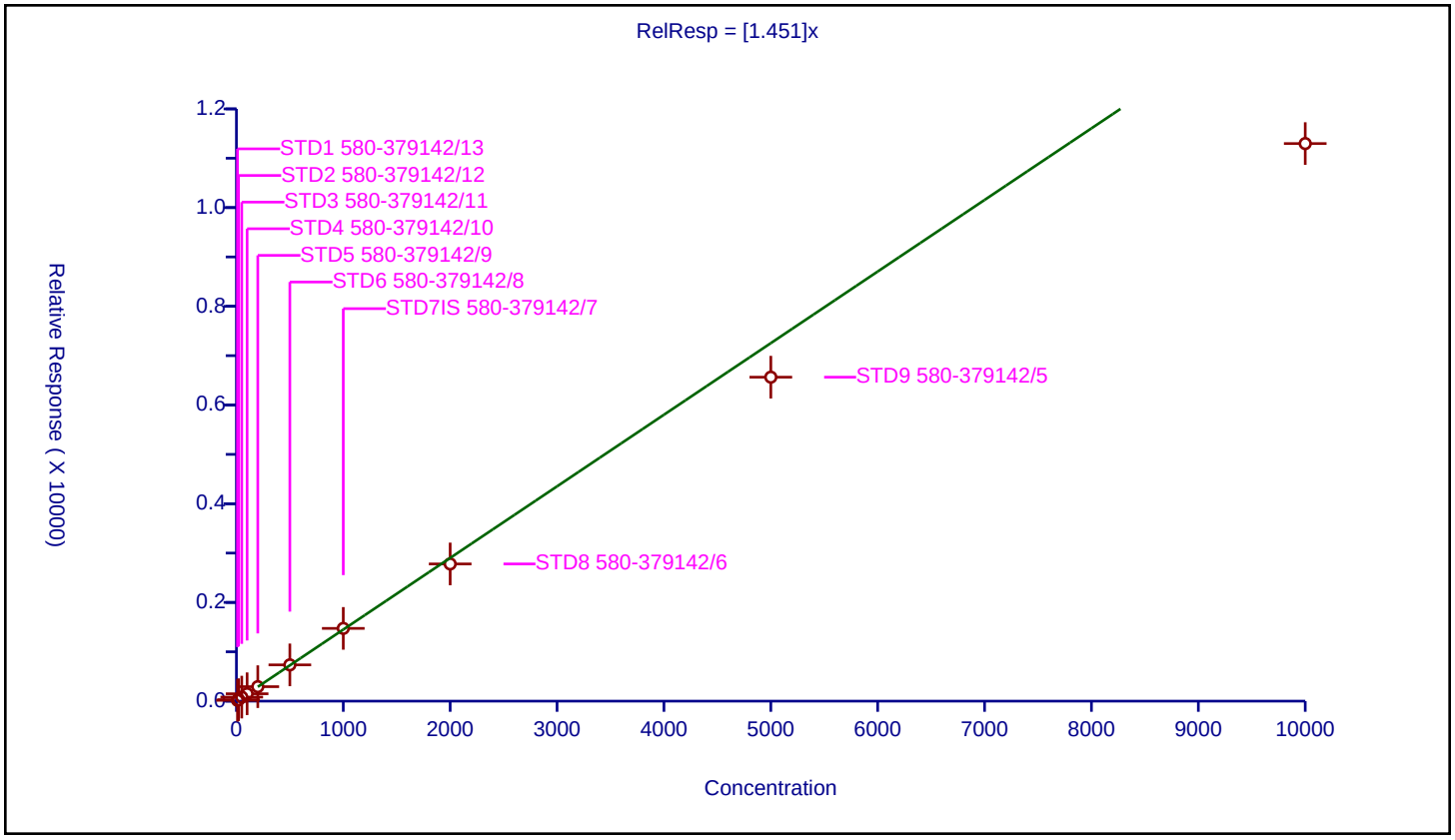
Curve Coefficients

Intercept:	0
Slope:	1.451

Error Coefficients

Standard Error:	2980000
Relative Standard Error:	10.5
Correlation Coefficient:	0.989
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	16.575715	100.0	41597.0	1.657571	Y
2	STD2 580-379142/12	20.0	29.411765	100.0	50575.0	1.470588	Y
3	STD3 580-379142/11	50.0	81.875161	100.0	54246.0	1.637503	Y
4	STD4 580-379142/10	100.0	149.745814	100.0	57635.0	1.497458	Y
5	STD5 580-379142/9	200.0	293.511312	100.0	60644.0	1.467557	Y
6	STD6 580-379142/8	500.0	734.919578	100.0	63105.0	1.469839	Y
7	STD7IS 580-379142/7	1000.0	1474.211872	100.0	65313.0	1.474212	Y
8	STD8 580-379142/6	2000.0	2780.197374	100.0	65966.0	1.390099	Y
9	STD9 580-379142/5	5000.0	6564.203426	100.0	69529.0	1.312841	Y
10	STD10 580-379142/4	10000.0	11297.357863	100.0	65553.0	1.129736	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

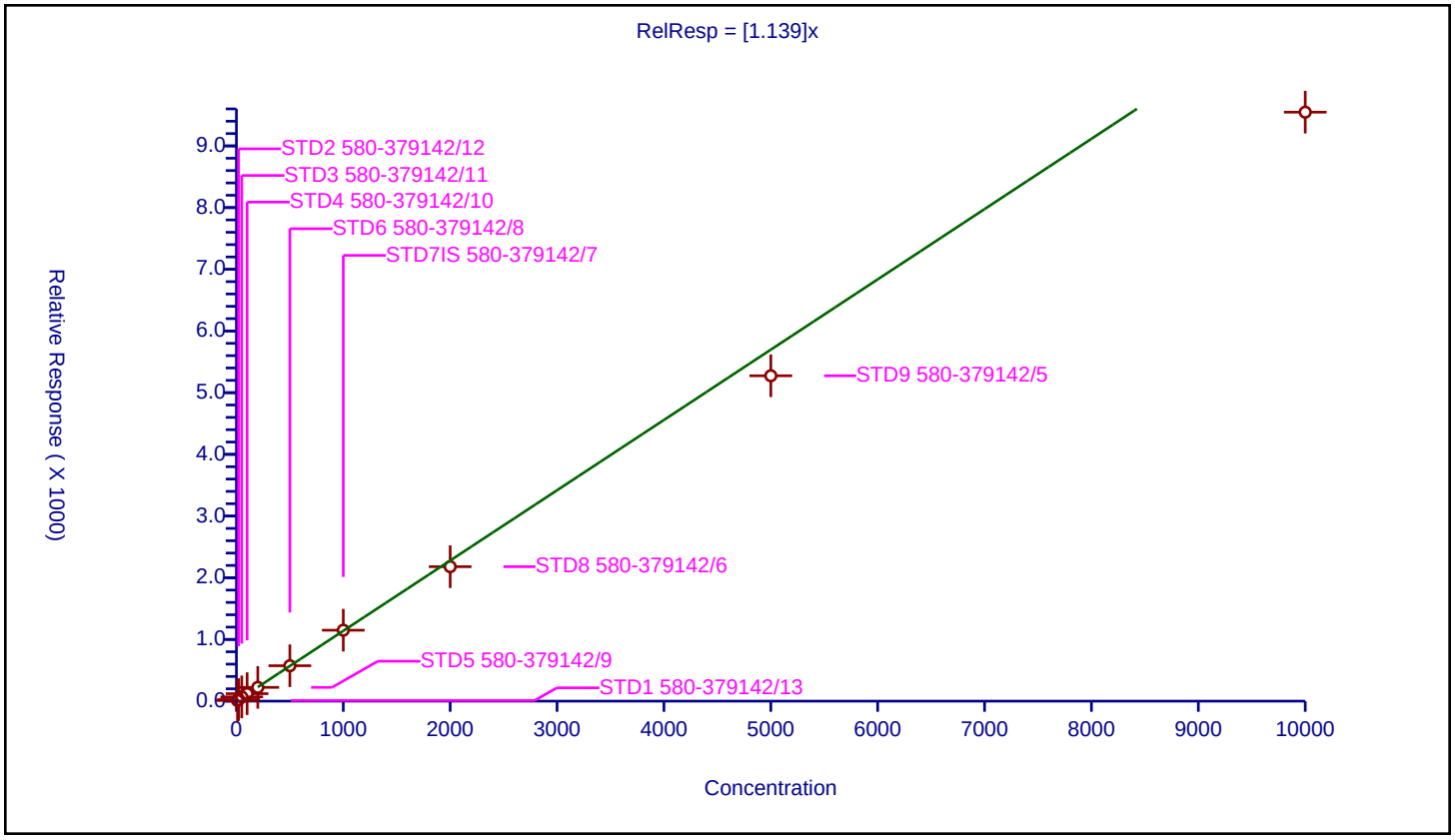
Curve Coefficients

Intercept:	0
Slope:	1.139

Error Coefficients

Standard Error:	2480000
Relative Standard Error:	10.5
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.986

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	10.462293	100.0	41597.0	1.046229	Y
2	STD2 580-379142/12	20.0	24.767177	100.0	50575.0	1.238359	Y
3	STD3 580-379142/11	50.0	69.271467	100.0	54246.0	1.385429	Y
4	STD4 580-379142/10	100.0	121.195454	100.0	57635.0	1.211955	Y
5	STD5 580-379142/9	200.0	222.97177	100.0	60644.0	1.114859	Y
6	STD6 580-379142/8	500.0	574.106648	100.0	63105.0	1.148213	Y
7	STD7IS 580-379142/7	1000.0	1149.882872	100.0	65313.0	1.149883	Y
8	STD8 580-379142/6	2000.0	2179.336325	100.0	65966.0	1.089668	Y
9	STD9 580-379142/5	5000.0	5274.105769	100.0	69529.0	1.054821	Y
10	STD10 580-379142/4	10000.0	9546.722499	100.0	65553.0	0.954672	Y



Calibration / 2-Nitroaniline

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

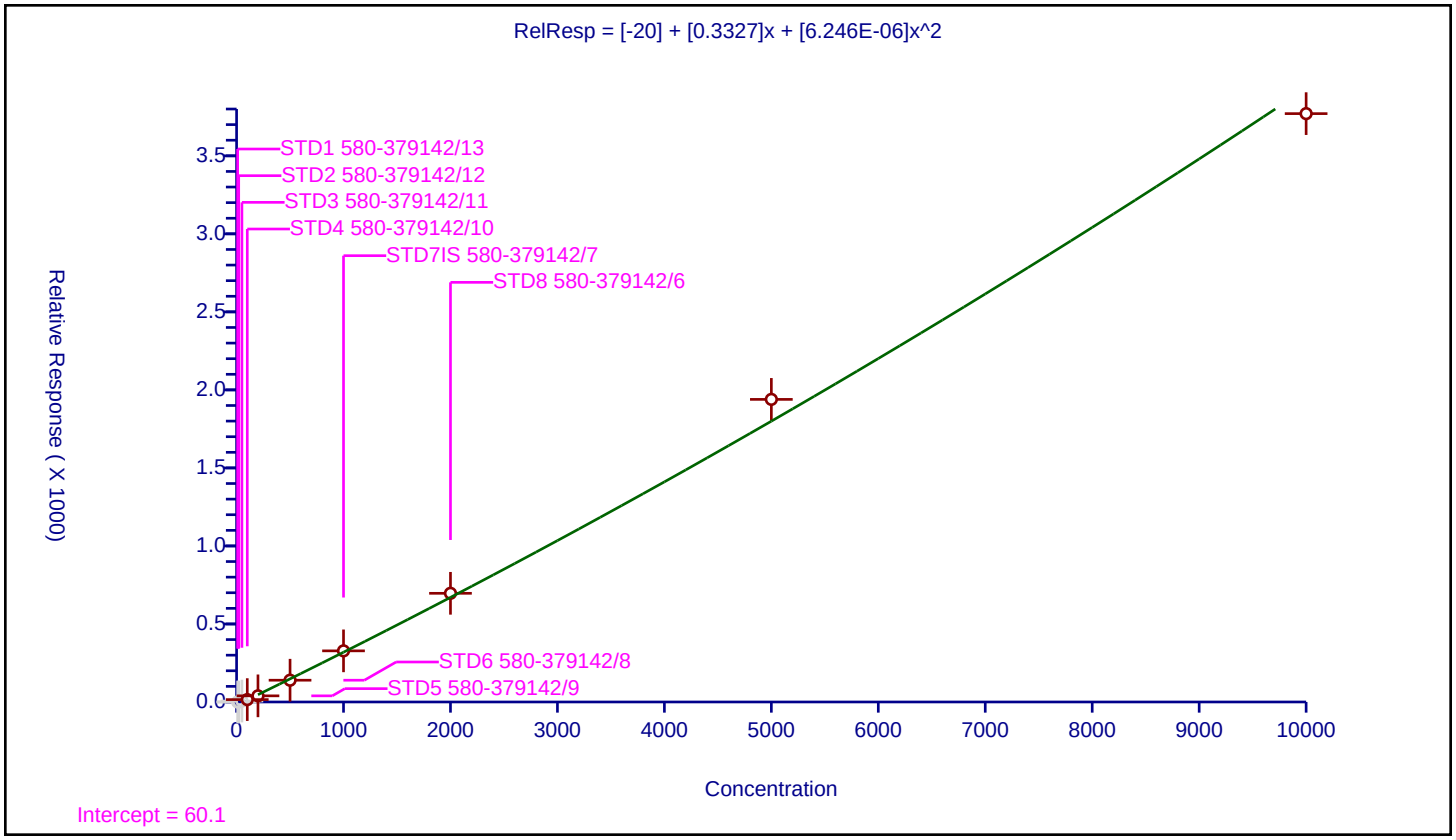
Curve Coefficients

Intercept:	-20
Slope:	0.3327
Second Order:	6.246E-06

Error Coefficients

Standard Error:	1430000
Relative Standard Error:	8.1
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	5.939608	100.0	54246.0	0.118792	N
4	STD4 580-379142/10	100.0	15.313612	100.0	57635.0	0.153136	Y
5	STD5 580-379142/9	200.0	39.402084	100.0	60644.0	0.19701	Y
6	STD6 580-379142/8	500.0	139.562634	100.0	63105.0	0.279125	Y
7	STD7IS 580-379142/7	1000.0	327.697396	100.0	65313.0	0.327697	Y
8	STD8 580-379142/6	2000.0	696.528515	100.0	65966.0	0.348264	Y
9	STD9 580-379142/5	5000.0	1939.242618	100.0	69529.0	0.387849	Y
10	STD10 580-379142/4	10000.0	3770.452916	100.0	65553.0	0.377045	Y



Calibration / Dimethyl phthalate

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

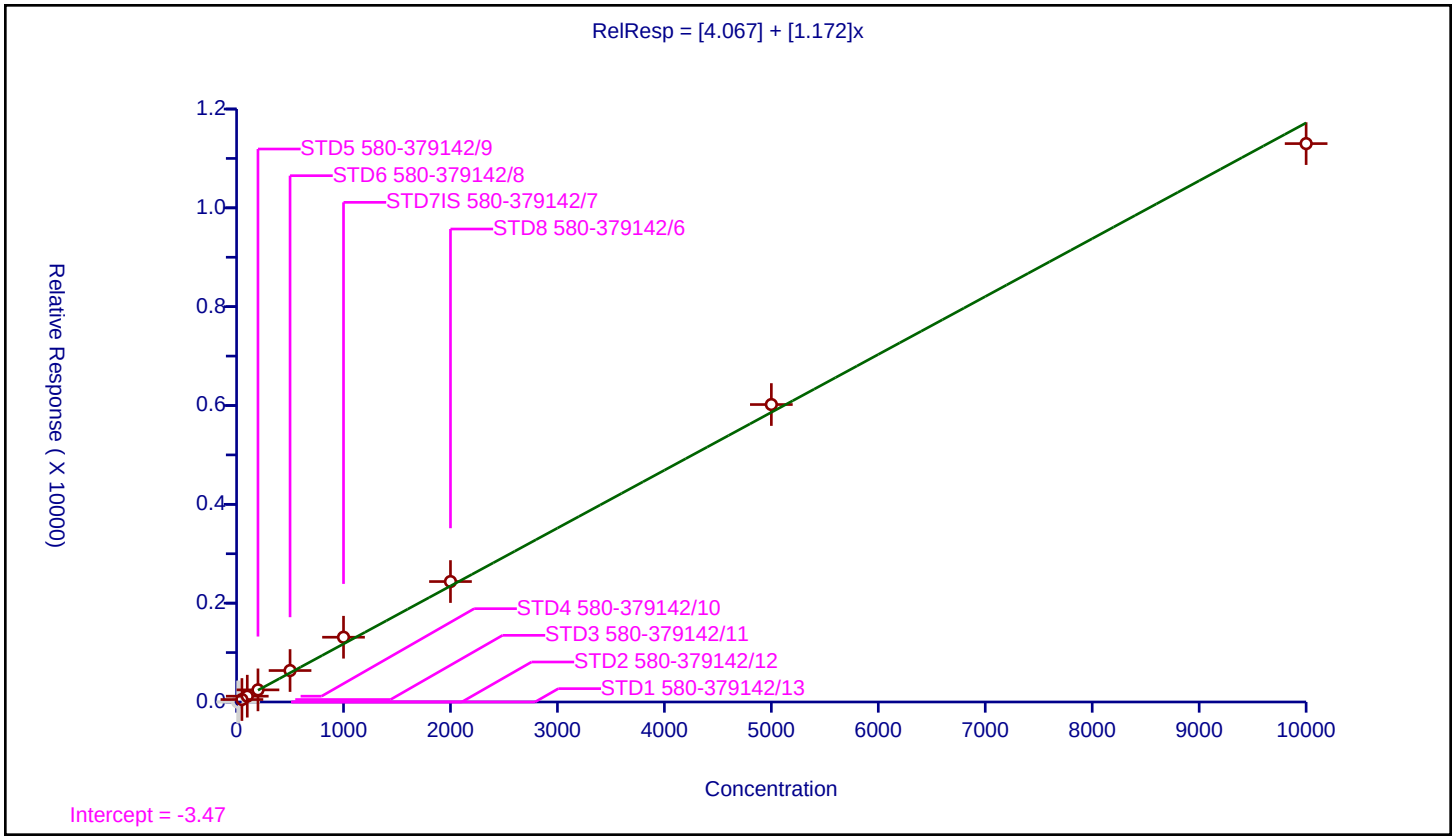
Curve Coefficients

Intercept:	4.067
Slope:	1.172

Error Coefficients

Standard Error:	3550000
Relative Standard Error:	11.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	49.806437	100.0	54246.0	0.996129	Y
4	STD4 580-379142/10	100.0	117.267286	100.0	57635.0	1.172673	Y
5	STD5 580-379142/9	200.0	245.056395	100.0	60644.0	1.225282	Y
6	STD6 580-379142/8	500.0	636.50107	100.0	63105.0	1.273002	Y
7	STD7IS 580-379142/7	1000.0	1310.486427	100.0	65313.0	1.310486	Y
8	STD8 580-379142/6	2000.0	2437.270715	100.0	65966.0	1.218635	Y
9	STD9 580-379142/5	5000.0	6019.798933	100.0	69529.0	1.20396	Y
10	STD10 580-379142/4	10000.0	11300.010678	100.0	65553.0	1.130001	Y



Calibration / 1,3-Dinitrobenzene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

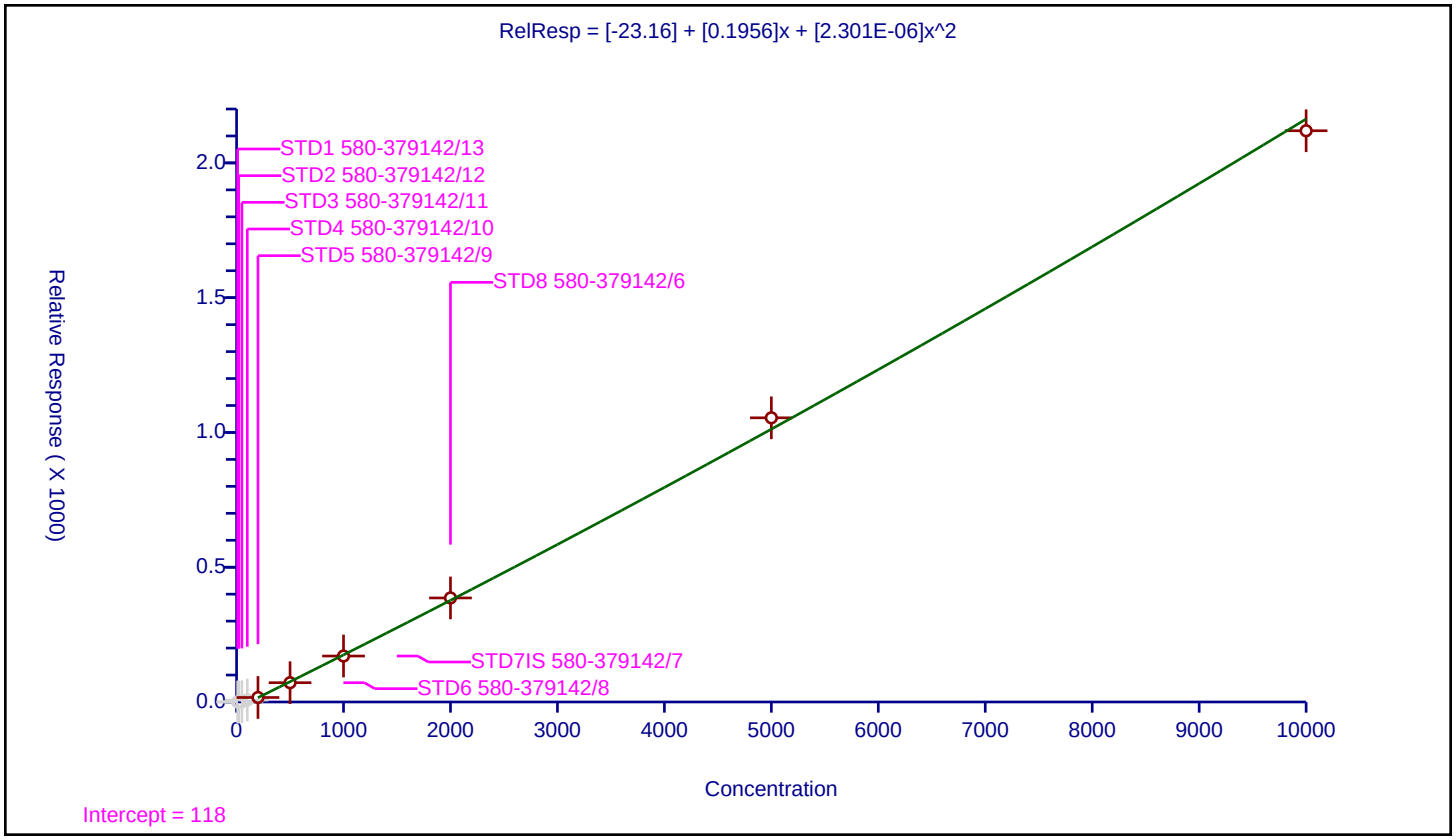
Curve Coefficients

Intercept:	-23.16
Slope:	0.1956
Second Order:	2.301E-06

Error Coefficients

Standard Error:	920000
Relative Standard Error:	3.8
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	0.905136	100.0	54246.0	0.018103	N
4	STD4 580-379142/10	100.0	7.212631	100.0	57635.0	0.072126	N
5	STD5 580-379142/9	200.0	16.66117	100.0	60644.0	0.083306	Y
6	STD6 580-379142/8	500.0	71.566437	100.0	63105.0	0.143133	Y
7	STD7IS 580-379142/7	1000.0	170.486733	100.0	65313.0	0.170487	Y
8	STD8 580-379142/6	2000.0	386.041294	100.0	65966.0	0.193021	Y
9	STD9 580-379142/5	5000.0	1054.283824	100.0	69529.0	0.210857	Y
10	STD10 580-379142/4	10000.0	2119.340076	100.0	65553.0	0.211934	Y



Calibration / 2,6-Dinitrotoluene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

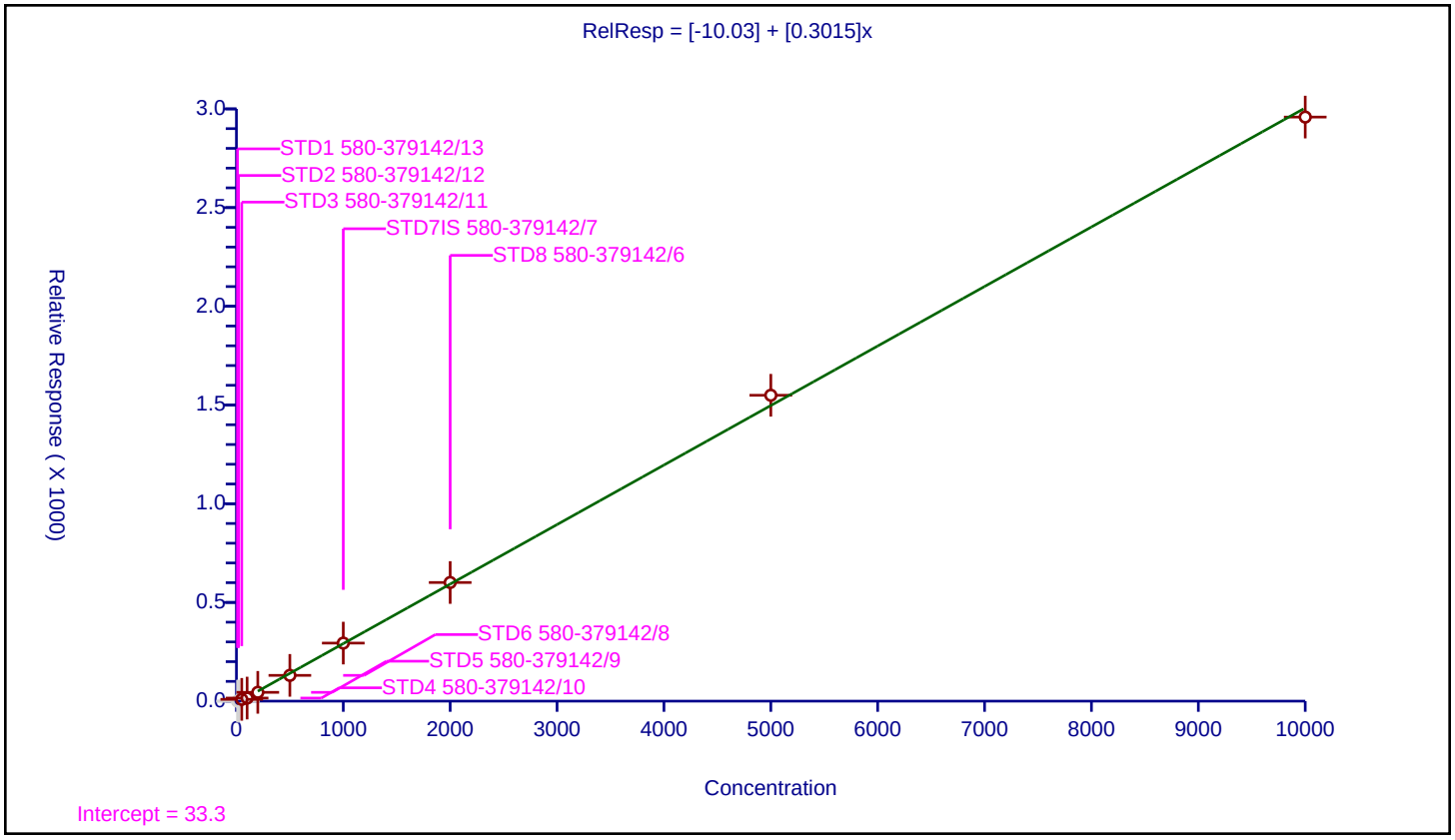
Curve Coefficients

Intercept:	-10.03
Slope:	0.3015

Error Coefficients

Standard Error:	923000
Relative Standard Error:	13.6
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	9.123253	100.0	54246.0	0.182465	Y
4	STD4 580-379142/10	100.0	15.613776	100.0	57635.0	0.156138	Y
5	STD5 580-379142/9	200.0	44.558406	100.0	60644.0	0.222792	Y
6	STD6 580-379142/8	500.0	130.545916	100.0	63105.0	0.261092	Y
7	STD7IS 580-379142/7	1000.0	294.034878	100.0	65313.0	0.294035	Y
8	STD8 580-379142/6	2000.0	600.945942	100.0	65966.0	0.300473	Y
9	STD9 580-379142/5	5000.0	1549.38371	100.0	69529.0	0.309877	Y
10	STD10 580-379142/4	10000.0	2958.592284	100.0	65553.0	0.295859	Y



Calibration / Acenaphthylene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

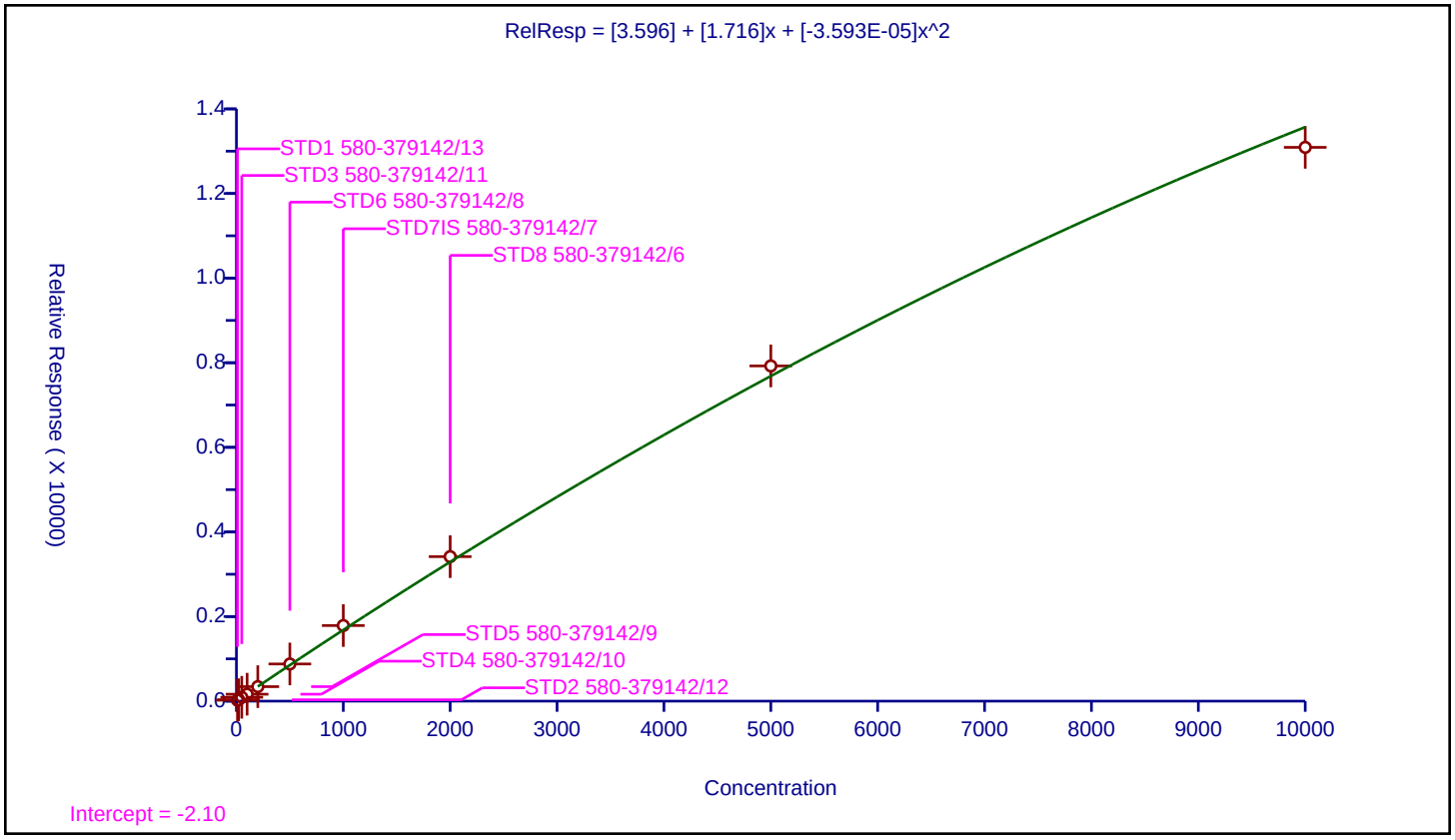
Curve Coefficients

Intercept:	3.596
Slope:	1.716
Second Order:	-3.593E-05

Error Coefficients

Standard Error:	3970000
Relative Standard Error:	8.5
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	22.186696	100.0	41597.0	2.21867	Y
2	STD2 580-379142/12	20.0	32.126545	100.0	50575.0	1.606327	Y
3	STD3 580-379142/11	50.0	91.757918	100.0	54246.0	1.835158	Y
4	STD4 580-379142/10	100.0	163.964605	100.0	57635.0	1.639646	Y
5	STD5 580-379142/9	200.0	342.561506	100.0	60644.0	1.712808	Y
6	STD6 580-379142/8	500.0	878.589652	100.0	63105.0	1.757179	Y
7	STD7IS 580-379142/7	1000.0	1787.393015	100.0	65313.0	1.787393	Y
8	STD8 580-379142/6	2000.0	3416.141649	100.0	65966.0	1.708071	Y
9	STD9 580-379142/5	5000.0	7924.083476	100.0	69529.0	1.584817	Y
10	STD10 580-379142/4	10000.0	13090.937104	100.0	65553.0	1.309094	Y



Calibration / 3-Nitroaniline

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

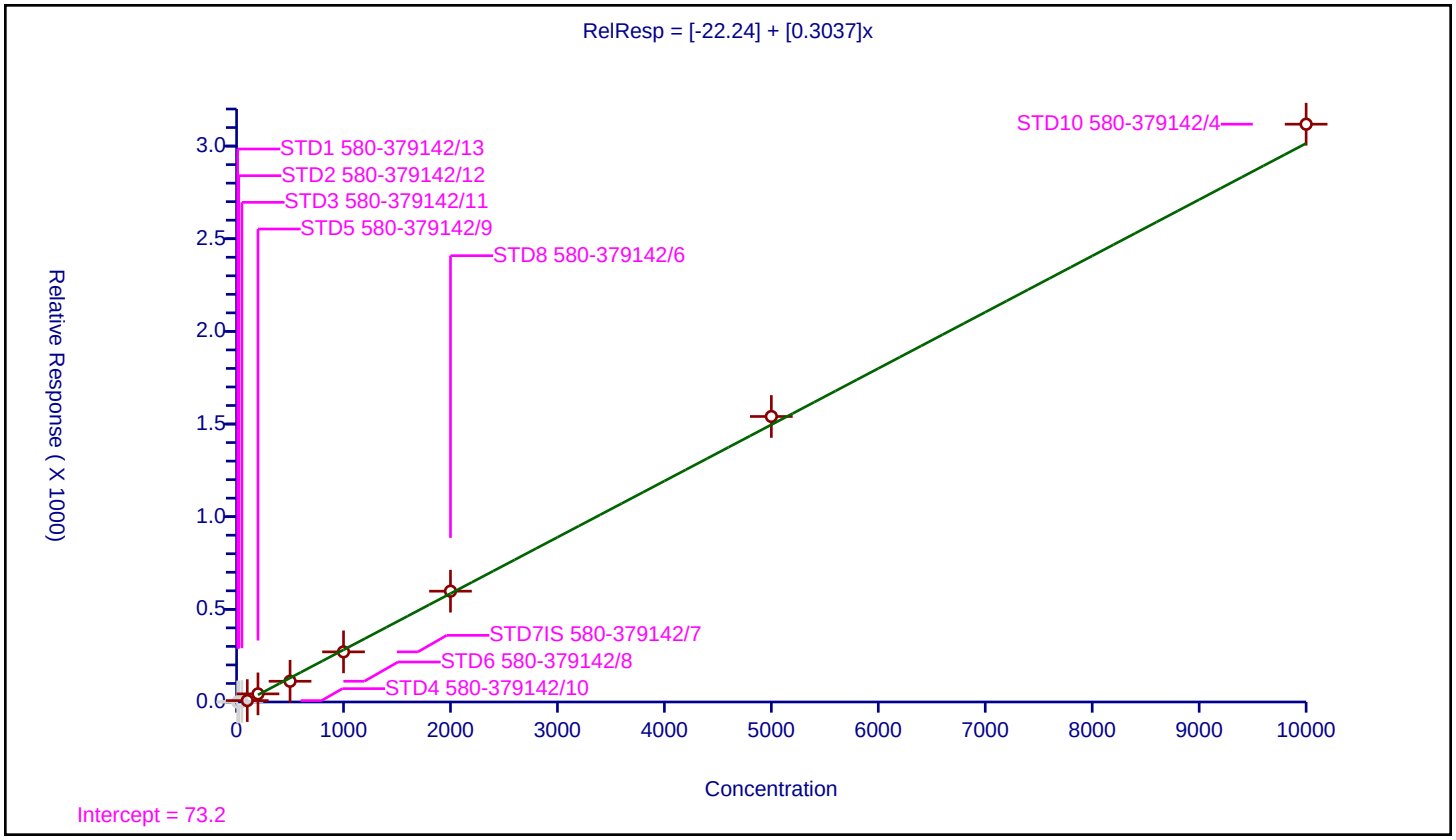
Curve Coefficients

Intercept:	-22.24
Slope:	0.3037

Error Coefficients

Standard Error:	1050000
Relative Standard Error:	7.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	2.674852	100.0	54246.0	0.053497	N
4	STD4 580-379142/10	100.0	7.564848	100.0	57635.0	0.075648	Y
5	STD5 580-379142/9	200.0	43.783392	100.0	60644.0	0.218917	Y
6	STD6 580-379142/8	500.0	111.829491	100.0	63105.0	0.223659	Y
7	STD7IS 580-379142/7	1000.0	270.514293	100.0	65313.0	0.270514	Y
8	STD8 580-379142/6	2000.0	597.938332	100.0	65966.0	0.298969	Y
9	STD9 580-379142/5	5000.0	1540.770038	100.0	69529.0	0.308154	Y
10	STD10 580-379142/4	10000.0	3118.147148	100.0	65553.0	0.311815	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

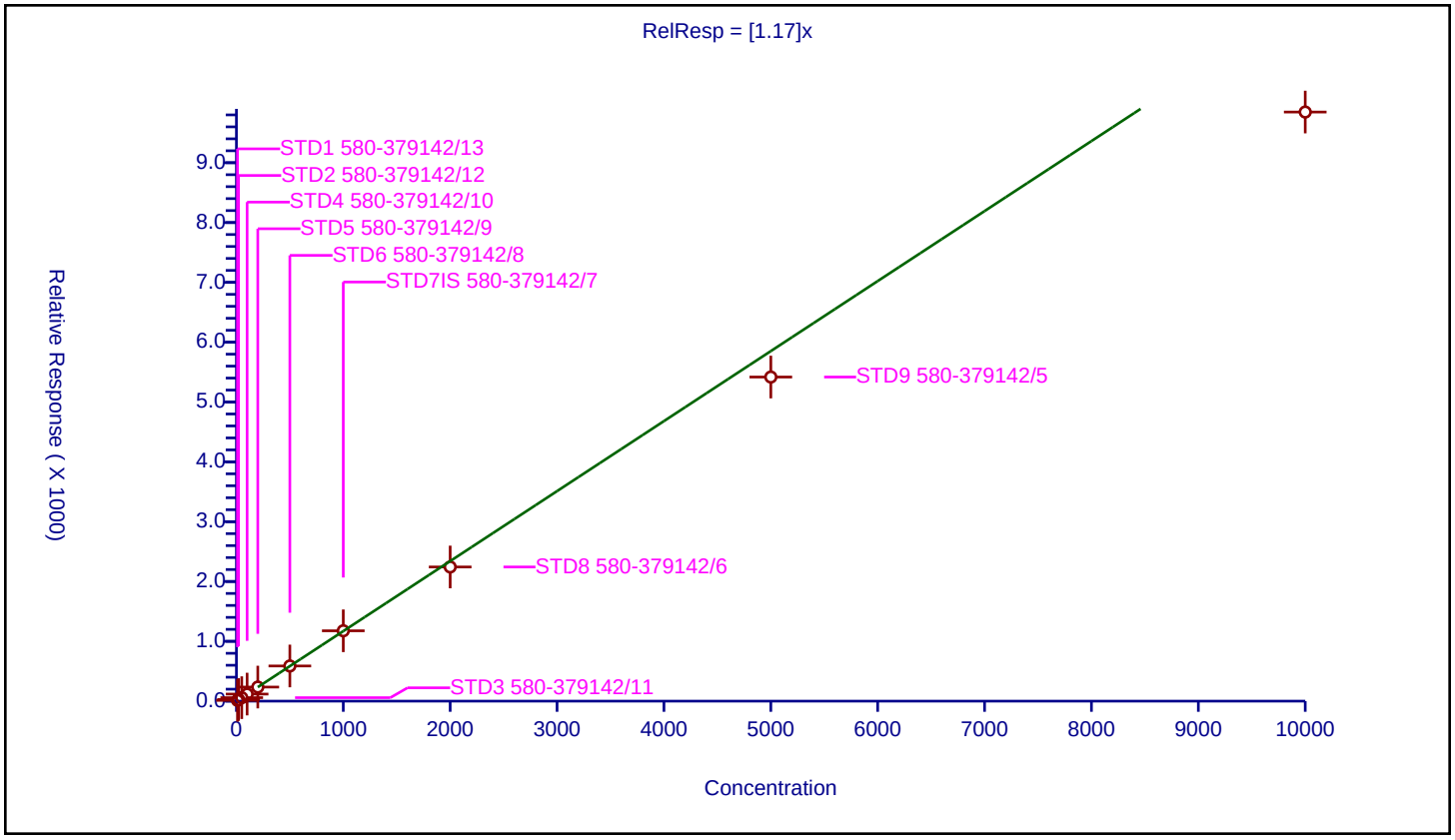
Curve Coefficients

Intercept:	0
Slope:	1.17

Error Coefficients

Standard Error:	2550000
Relative Standard Error:	8.6
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	12.897565	100.0	41597.0	1.289756	Y
2	STD2 580-379142/12	20.0	26.956006	100.0	50575.0	1.3478	Y
3	STD3 580-379142/11	50.0	58.243926	100.0	54246.0	1.164879	Y
4	STD4 580-379142/10	100.0	118.303114	100.0	57635.0	1.183031	Y
5	STD5 580-379142/9	200.0	235.147748	100.0	60644.0	1.175739	Y
6	STD6 580-379142/8	500.0	587.685603	100.0	63105.0	1.175371	Y
7	STD7IS 580-379142/7	1000.0	1176.16401	100.0	65313.0	1.176164	Y
8	STD8 580-379142/6	2000.0	2242.955462	100.0	65966.0	1.121478	Y
9	STD9 580-379142/5	5000.0	5417.640121	100.0	69529.0	1.083528	Y
10	STD10 580-379142/4	10000.0	9847.488292	100.0	65553.0	0.984749	Y



Calibration / 2,4-Dinitrophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

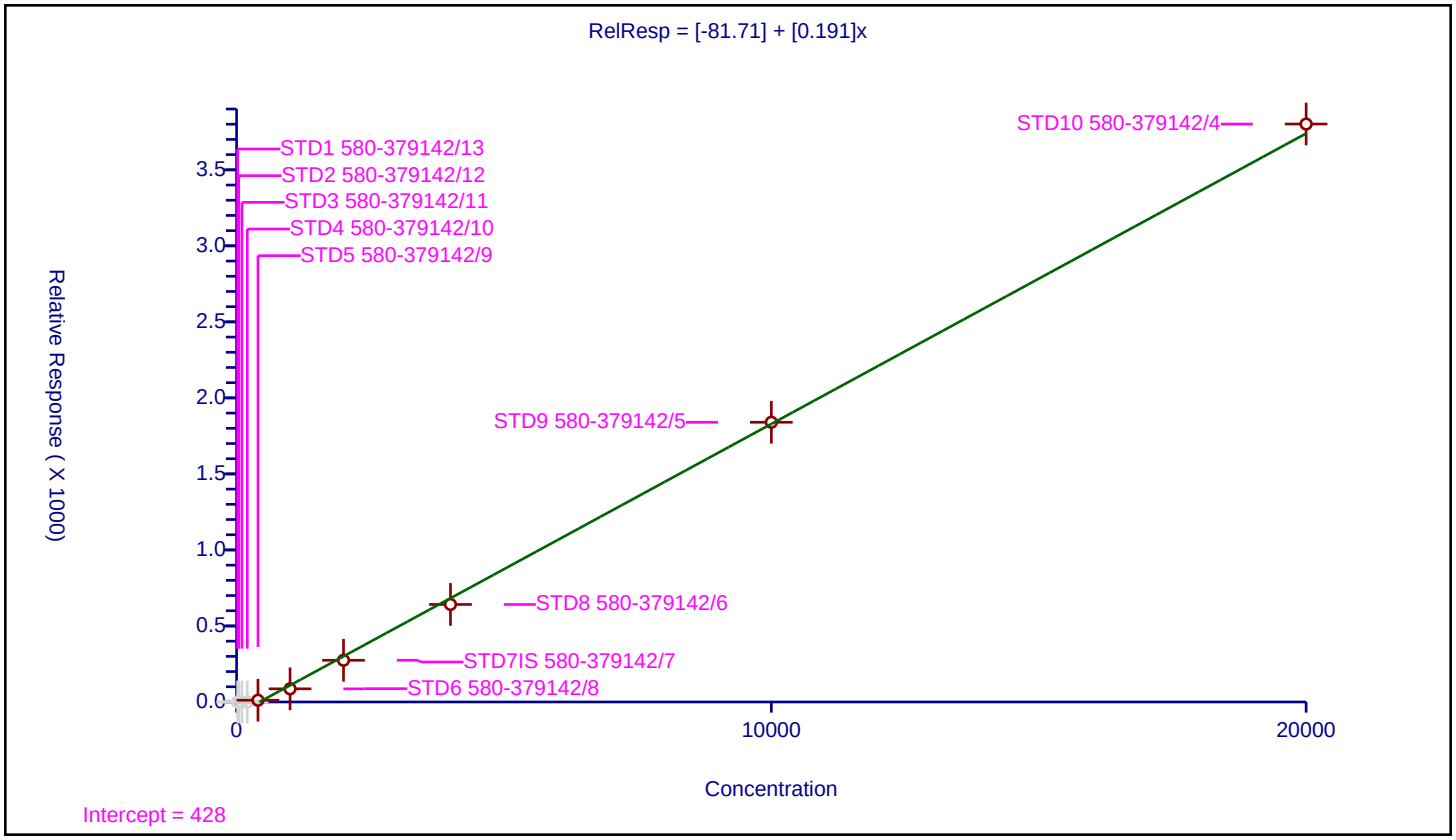
Curve Coefficients

Intercept:	-81.71
Slope:	0.191

Error Coefficients

Standard Error:	1420000
Relative Standard Error:	13.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	100.0	0.0	100.0	54246.0	0.0	N
4	STD4 580-379142/10	200.0	0.0	100.0	57635.0	0.0	N
5	STD5 580-379142/9	400.0	11.4224	100.0	60644.0	0.028556	Y
6	STD6 580-379142/8	1000.0	86.628635	100.0	63105.0	0.086629	Y
7	STD7IS 580-379142/7	2000.0	274.346608	100.0	65313.0	0.137173	Y
8	STD8 580-379142/6	4000.0	641.486523	100.0	65966.0	0.160372	Y
9	STD9 580-379142/5	10000.0	1839.730185	100.0	69529.0	0.183973	Y
10	STD10 580-379142/4	20000.0	3801.256998	100.0	65553.0	0.190063	Y



Calibration / 4-Nitrophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

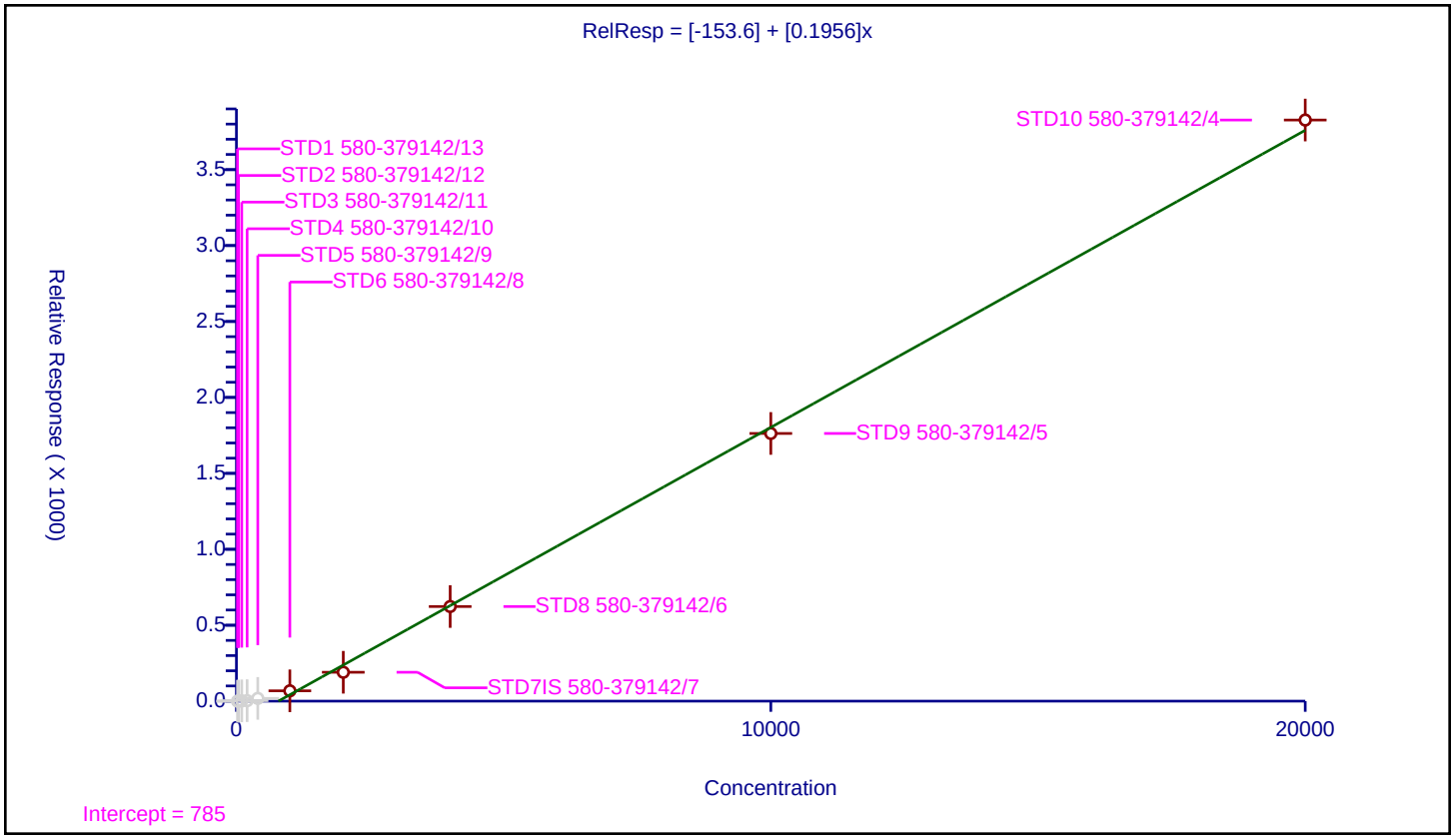
Curve Coefficients

Intercept:	-153.6
Slope:	0.1956

Error Coefficients

Standard Error:	1630000
Relative Standard Error:	10.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	100.0	1.810272	100.0	54246.0	0.018103	N
4	STD4 580-379142/10	200.0	3.277522	100.0	57635.0	0.016388	N
5	STD5 580-379142/9	400.0	18.235934	100.0	60644.0	0.04559	N
6	STD6 580-379142/8	1000.0	67.875763	100.0	63105.0	0.067876	Y
7	STD7IS 580-379142/7	2000.0	190.133664	100.0	65313.0	0.095067	Y
8	STD8 580-379142/6	4000.0	623.107358	100.0	65966.0	0.155777	Y
9	STD9 580-379142/5	10000.0	1762.772368	100.0	69529.0	0.176277	Y
10	STD10 580-379142/4	20000.0	3826.737144	100.0	65553.0	0.191337	Y



Calibration / 2,4-Dinitrotoluene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

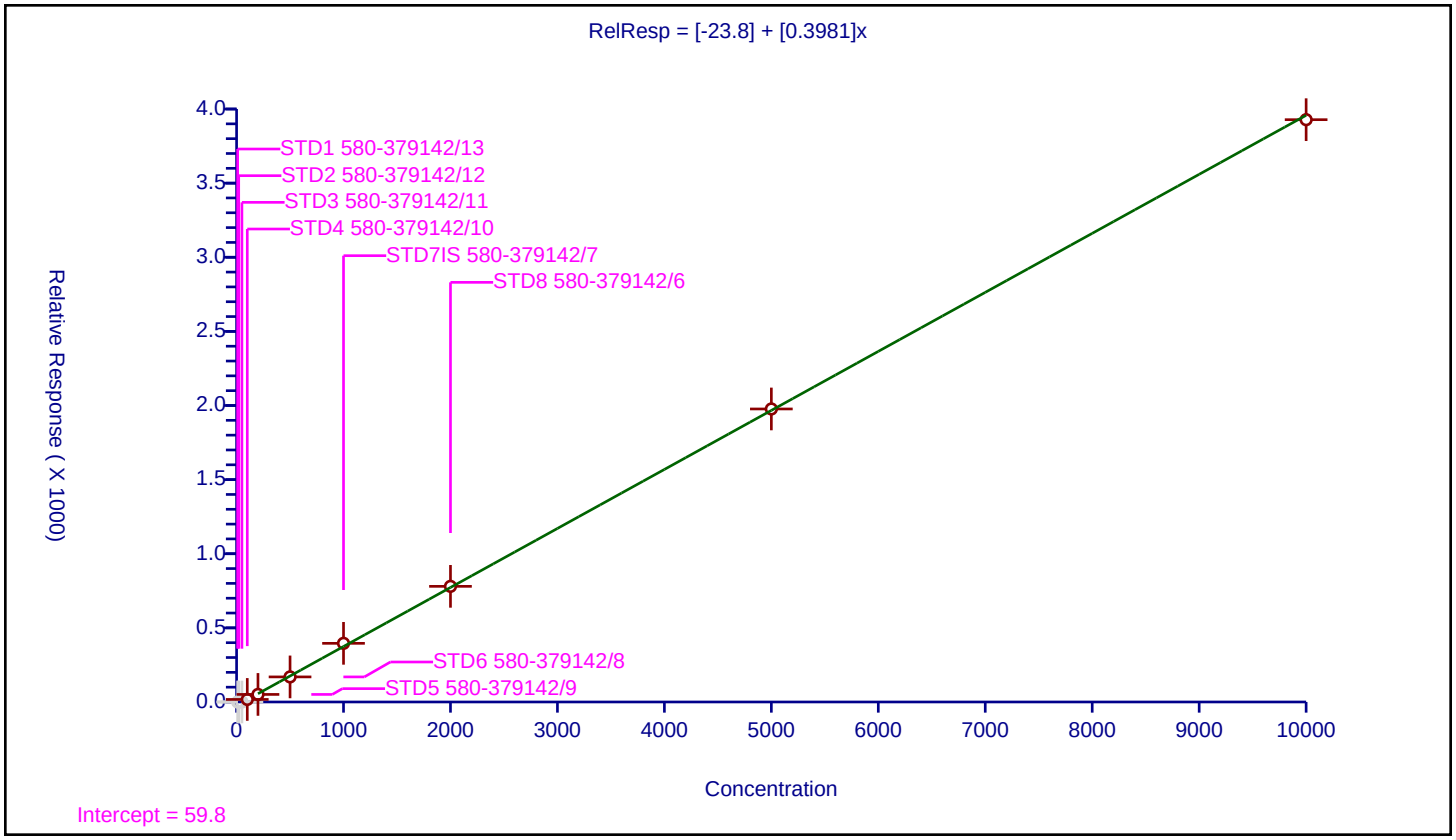
Curve Coefficients

Intercept:	-23.8
Slope:	0.3981

Error Coefficients

Standard Error:	1330000
Relative Standard Error:	4.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	0.0	100.0	54246.0	0.0	N
4	STD4 580-379142/10	100.0	17.229114	100.0	57635.0	0.172291	Y
5	STD5 580-379142/9	200.0	50.994328	100.0	60644.0	0.254972	Y
6	STD6 580-379142/8	500.0	169.256002	100.0	63105.0	0.338512	Y
7	STD7IS 580-379142/7	1000.0	395.57056	100.0	65313.0	0.395571	Y
8	STD8 580-379142/6	2000.0	780.004851	100.0	65966.0	0.390002	Y
9	STD9 580-379142/5	5000.0	1976.63421	100.0	69529.0	0.395327	Y
10	STD10 580-379142/4	10000.0	3928.03533	100.0	65553.0	0.392804	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

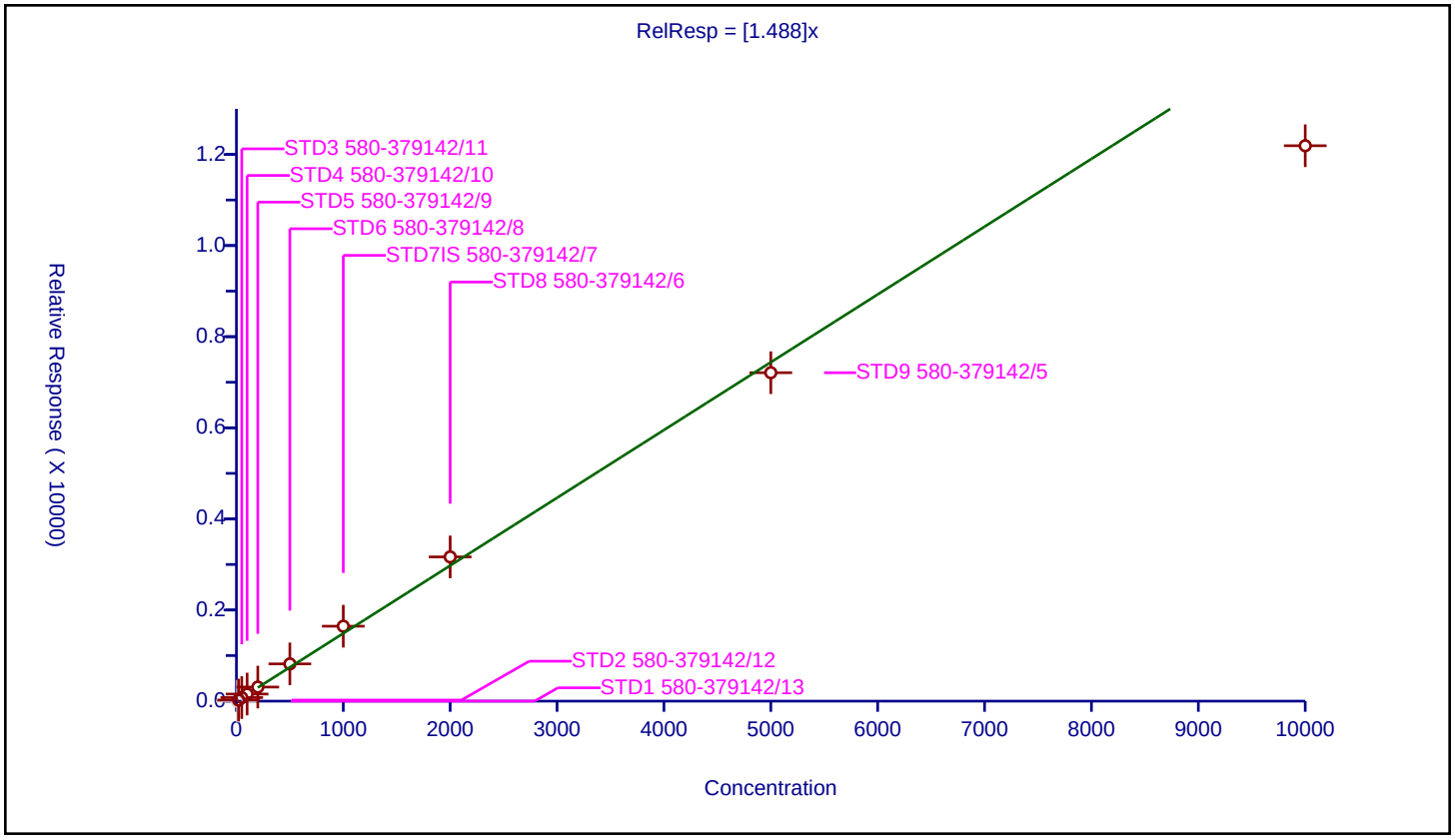
Curve Coefficients

Intercept:	0
Slope:	1.488

Error Coefficients

Standard Error:	3440000
Relative Standard Error:	11.4
Correlation Coefficient:	0.986
Coefficient of Determination (Adjusted):	0.985

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	23.942659	100.0	50575.0	1.197133	Y
3	STD3 580-379142/11	50.0	78.472145	100.0	54246.0	1.569443	Y
4	STD4 580-379142/10	100.0	155.625922	100.0	57635.0	1.556259	Y
5	STD5 580-379142/9	200.0	308.751072	100.0	60644.0	1.543755	Y
6	STD6 580-379142/8	500.0	817.642025	100.0	63105.0	1.635284	Y
7	STD7IS 580-379142/7	1000.0	1644.588367	100.0	65313.0	1.644588	Y
8	STD8 580-379142/6	2000.0	3166.140133	100.0	65966.0	1.58307	Y
9	STD9 580-379142/5	5000.0	7209.446418	100.0	69529.0	1.441889	Y
10	STD10 580-379142/4	10000.0	12191.262032	100.0	65553.0	1.219126	Y



Calibration / 2,3,5,6-Tetrachlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

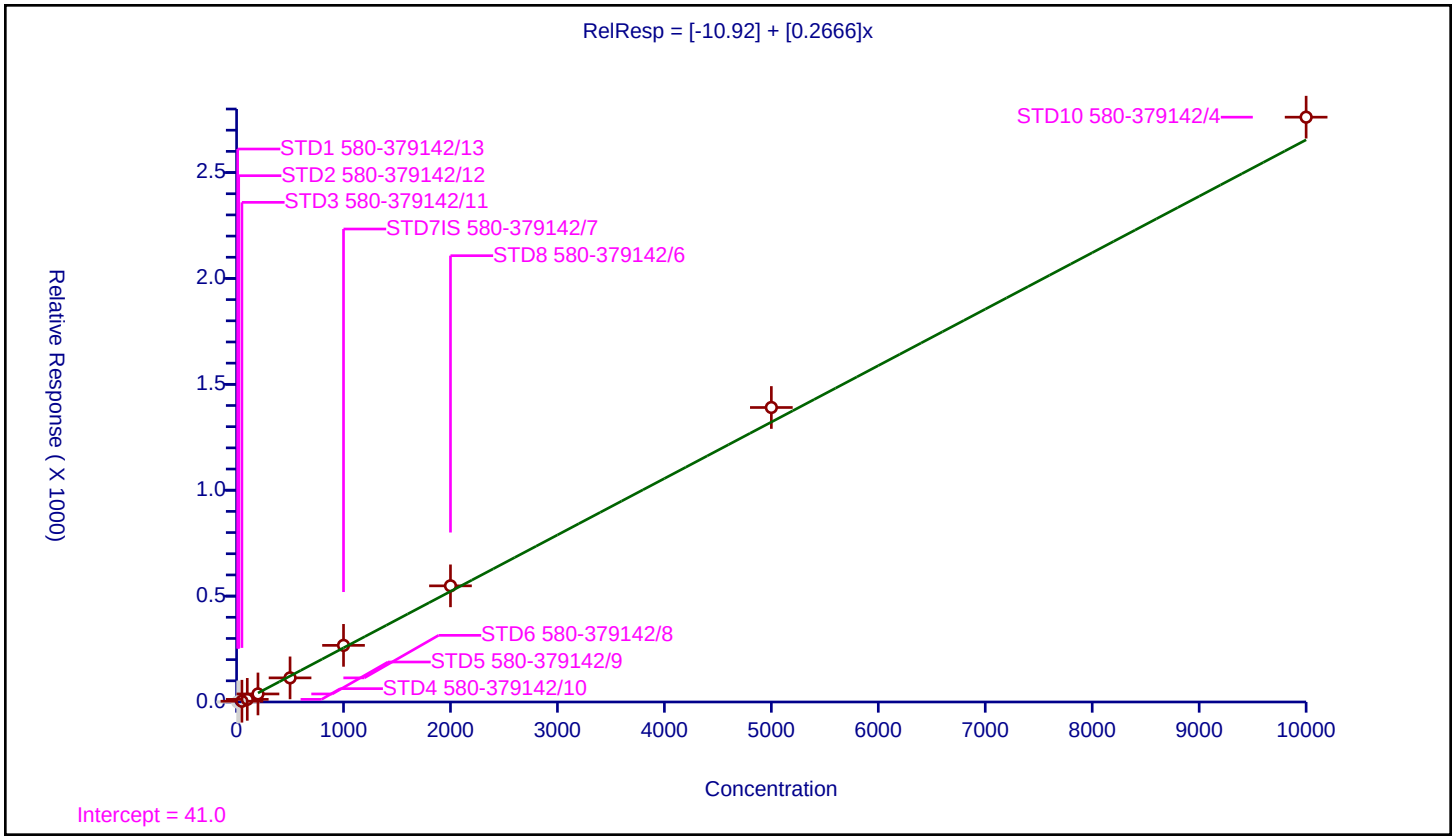
Curve Coefficients

Intercept:	-10.92
Slope:	0.2666

Error Coefficients

Standard Error:	853000
Relative Standard Error:	8.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	3.532058	100.0	54246.0	0.070641	Y
4	STD4 580-379142/10	100.0	12.443828	100.0	57635.0	0.124438	Y
5	STD5 580-379142/9	200.0	37.964184	100.0	60644.0	0.189821	Y
6	STD6 580-379142/8	500.0	113.905396	100.0	63105.0	0.227811	Y
7	STD7IS 580-379142/7	1000.0	267.378623	100.0	65313.0	0.267379	Y
8	STD8 580-379142/6	2000.0	548.482552	100.0	65966.0	0.274241	Y
9	STD9 580-379142/5	5000.0	1390.549267	100.0	69529.0	0.27811	Y
10	STD10 580-379142/4	10000.0	2761.507482	100.0	65553.0	0.276151	Y



Calibration / 2,3,4,6-Tetrachlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

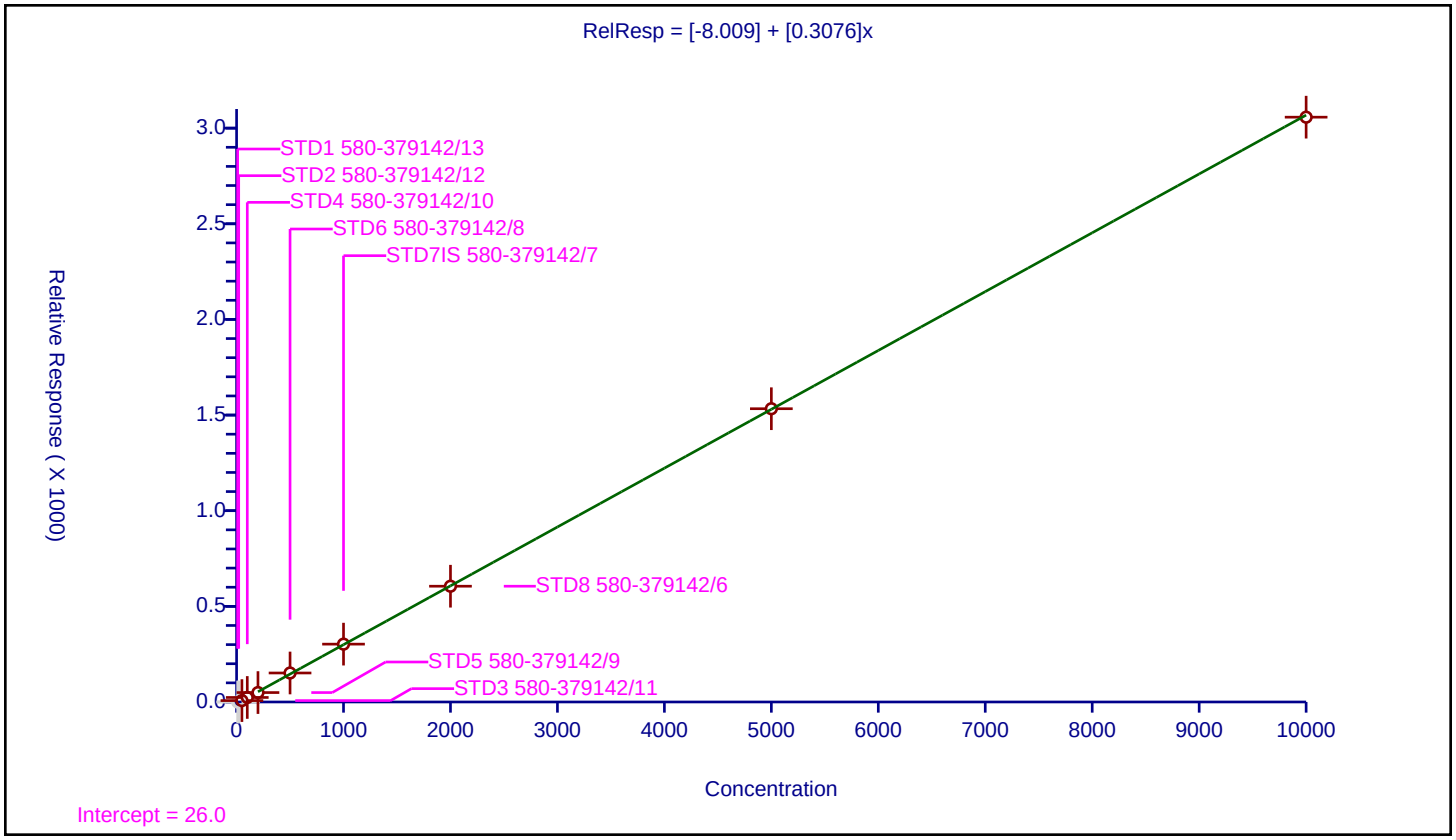
Curve Coefficients

Intercept:	-8.009
Slope:	0.3076

Error Coefficients

Standard Error:	944000
Relative Standard Error:	3.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	7.368285	100.0	54246.0	0.147366	Y
4	STD4 580-379142/10	100.0	23.563807	100.0	57635.0	0.235638	Y
5	STD5 580-379142/9	200.0	49.309083	100.0	60644.0	0.246545	Y
6	STD6 580-379142/8	500.0	151.568022	100.0	63105.0	0.303136	Y
7	STD7IS 580-379142/7	1000.0	302.478833	100.0	65313.0	0.302479	Y
8	STD8 580-379142/6	2000.0	605.261802	100.0	65966.0	0.302631	Y
9	STD9 580-379142/5	5000.0	1533.19622	100.0	69529.0	0.306639	Y
10	STD10 580-379142/4	10000.0	3057.310878	100.0	65553.0	0.305731	Y



Calibration / Diethyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

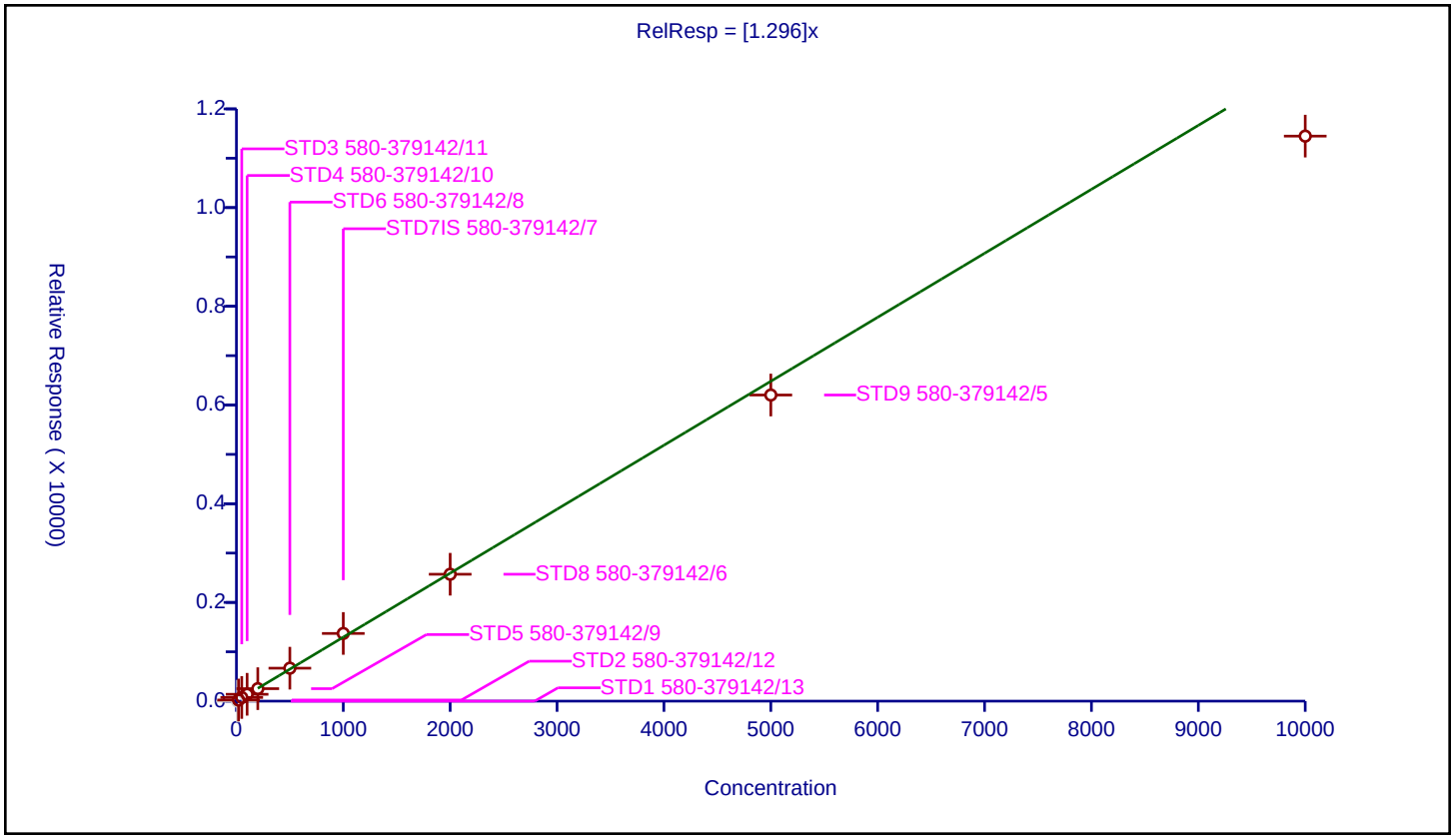
Curve Coefficients

Intercept:	0
Slope:	1.296

Error Coefficients

Standard Error:	3130000
Relative Standard Error:	8.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	23.070687	100.0	50575.0	1.153534	Y
3	STD3 580-379142/11	50.0	74.033108	100.0	54246.0	1.480662	Y
4	STD4 580-379142/10	100.0	139.063069	100.0	57635.0	1.390631	Y
5	STD5 580-379142/9	200.0	252.73234	100.0	60644.0	1.263662	Y
6	STD6 580-379142/8	500.0	667.622217	100.0	63105.0	1.335244	Y
7	STD7IS 580-379142/7	1000.0	1371.582993	100.0	65313.0	1.371583	Y
8	STD8 580-379142/6	2000.0	2571.262469	100.0	65966.0	1.285631	Y
9	STD9 580-379142/5	5000.0	6202.43927	100.0	69529.0	1.240488	Y
10	STD10 580-379142/4	10000.0	11448.47528	100.0	65553.0	1.144848	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

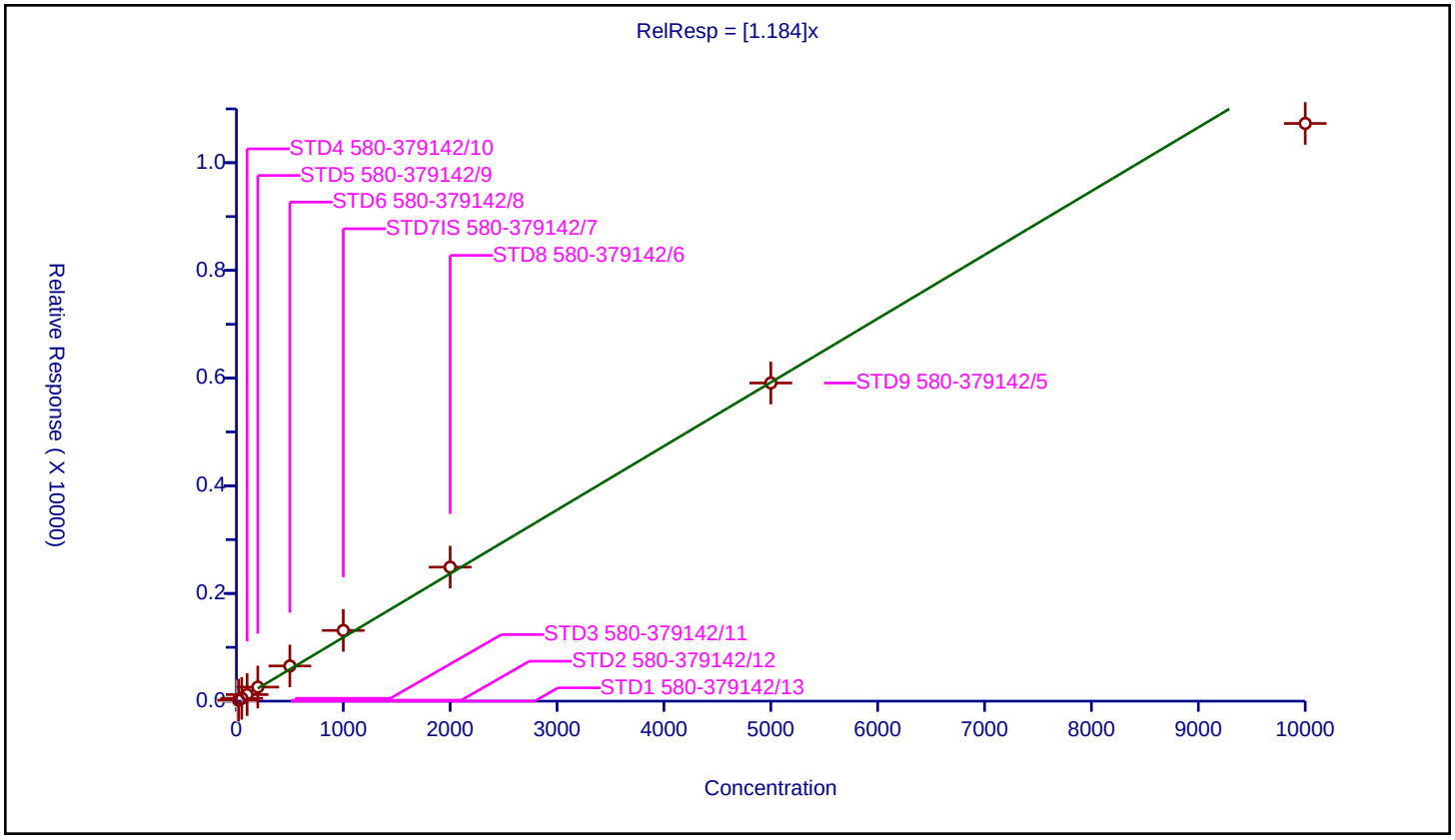
Curve Coefficients

Intercept:	0
Slope:	1.184

Error Coefficients

Standard Error:	2950000
Relative Standard Error:	10.9
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	19.064755	100.0	50575.0	0.953238	Y
3	STD3 580-379142/11	50.0	52.929248	100.0	54246.0	1.058585	Y
4	STD4 580-379142/10	100.0	121.804459	100.0	57635.0	1.218045	Y
5	STD5 580-379142/9	200.0	261.40591	100.0	60644.0	1.30703	Y
6	STD6 580-379142/8	500.0	653.322241	100.0	63105.0	1.306644	Y
7	STD7IS 580-379142/7	1000.0	1313.516452	100.0	65313.0	1.313516	Y
8	STD8 580-379142/6	2000.0	2489.094382	100.0	65966.0	1.244547	Y
9	STD9 580-379142/5	5000.0	5908.740238	100.0	69529.0	1.181748	Y
10	STD10 580-379142/4	10000.0	10729.414367	100.0	65553.0	1.072941	Y



Calibration / 4-Chlorophenyl phenyl ether

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

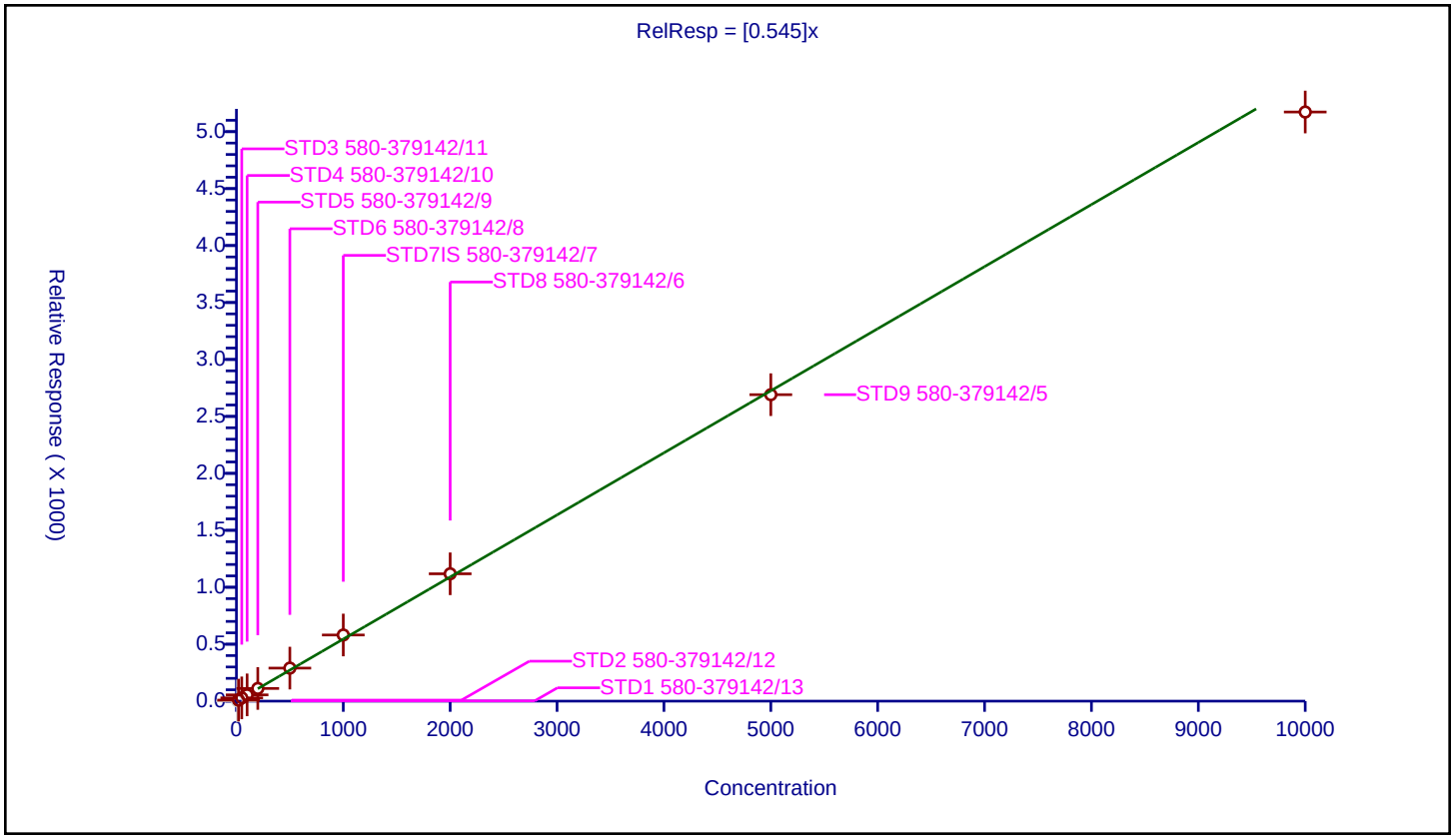
Curve Coefficients

Intercept:	0
Slope:	0.545

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	7.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	2.541049	100.0	41597.0	0.254105	N
2	STD2 580-379142/12	20.0	8.968858	100.0	50575.0	0.448443	Y
3	STD3 580-379142/11	50.0	28.739446	100.0	54246.0	0.574789	Y
4	STD4 580-379142/10	100.0	54.97354	100.0	57635.0	0.549735	Y
5	STD5 580-379142/9	200.0	111.3416	100.0	60644.0	0.556708	Y
6	STD6 580-379142/8	500.0	290.059425	100.0	63105.0	0.580119	Y
7	STD7IS 580-379142/7	1000.0	580.847611	100.0	65313.0	0.580848	Y
8	STD8 580-379142/6	2000.0	1118.133584	100.0	65966.0	0.559067	Y
9	STD9 580-379142/5	5000.0	2690.70316	100.0	69529.0	0.538141	Y
10	STD10 580-379142/4	10000.0	5172.541302	100.0	65553.0	0.517254	Y



Calibration / 4-Nitroaniline

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

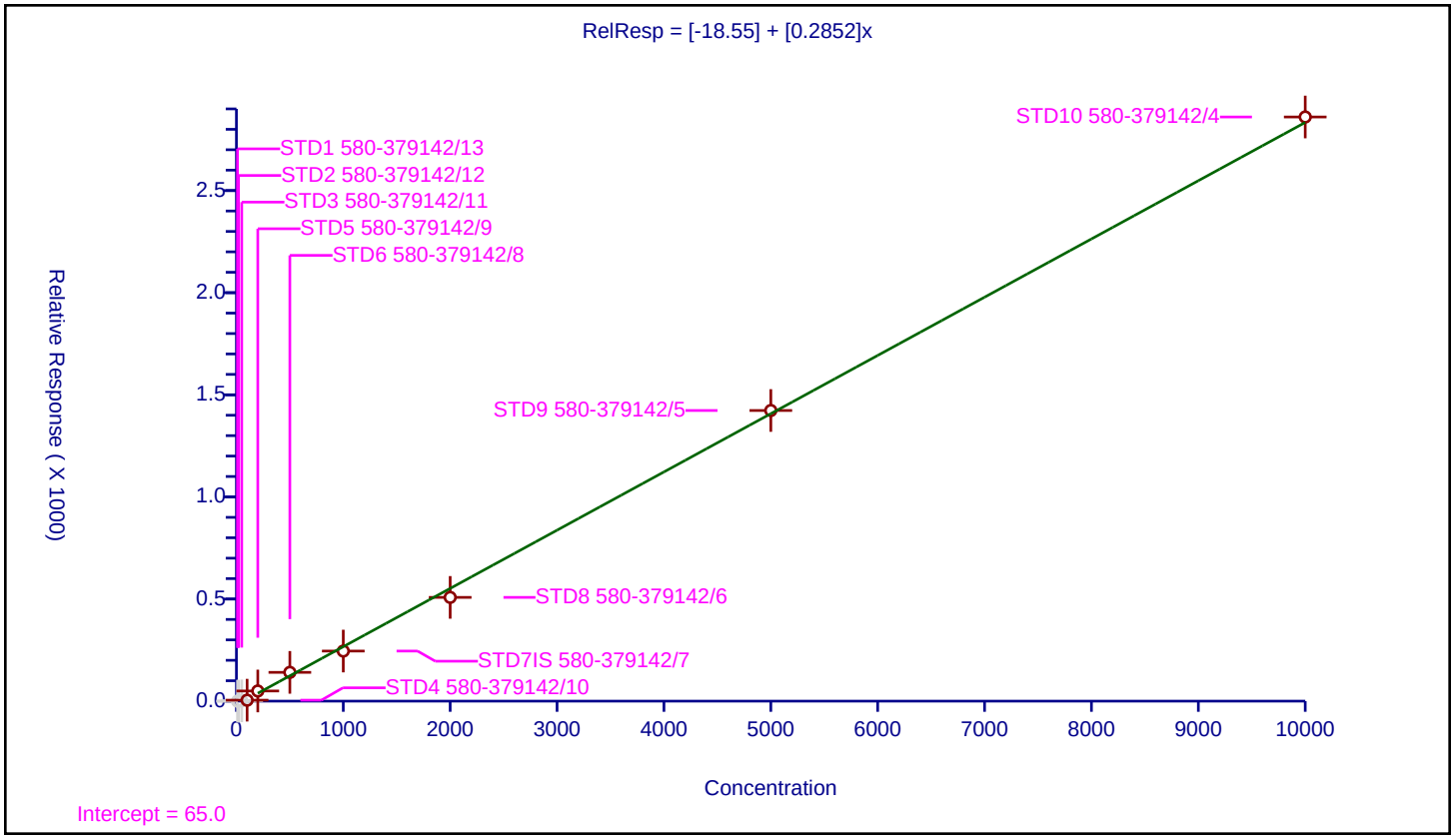
Curve Coefficients

Intercept:	-18.55
Slope:	0.2852

Error Coefficients

Standard Error:	962000
Relative Standard Error:	14.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	1.544814	100.0	54246.0	0.030896	N
4	STD4 580-379142/10	100.0	4.750586	100.0	57635.0	0.047506	Y
5	STD5 580-379142/9	200.0	49.701537	100.0	60644.0	0.248508	Y
6	STD6 580-379142/8	500.0	140.909595	100.0	63105.0	0.281819	Y
7	STD7IS 580-379142/7	1000.0	245.236017	100.0	65313.0	0.245236	Y
8	STD8 580-379142/6	2000.0	508.089016	100.0	65966.0	0.254045	Y
9	STD9 580-379142/5	5000.0	1423.122726	100.0	69529.0	0.284625	Y
10	STD10 580-379142/4	10000.0	2860.38015	100.0	65553.0	0.286038	Y



Calibration / 4,6-Dinitro-2-methylphenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

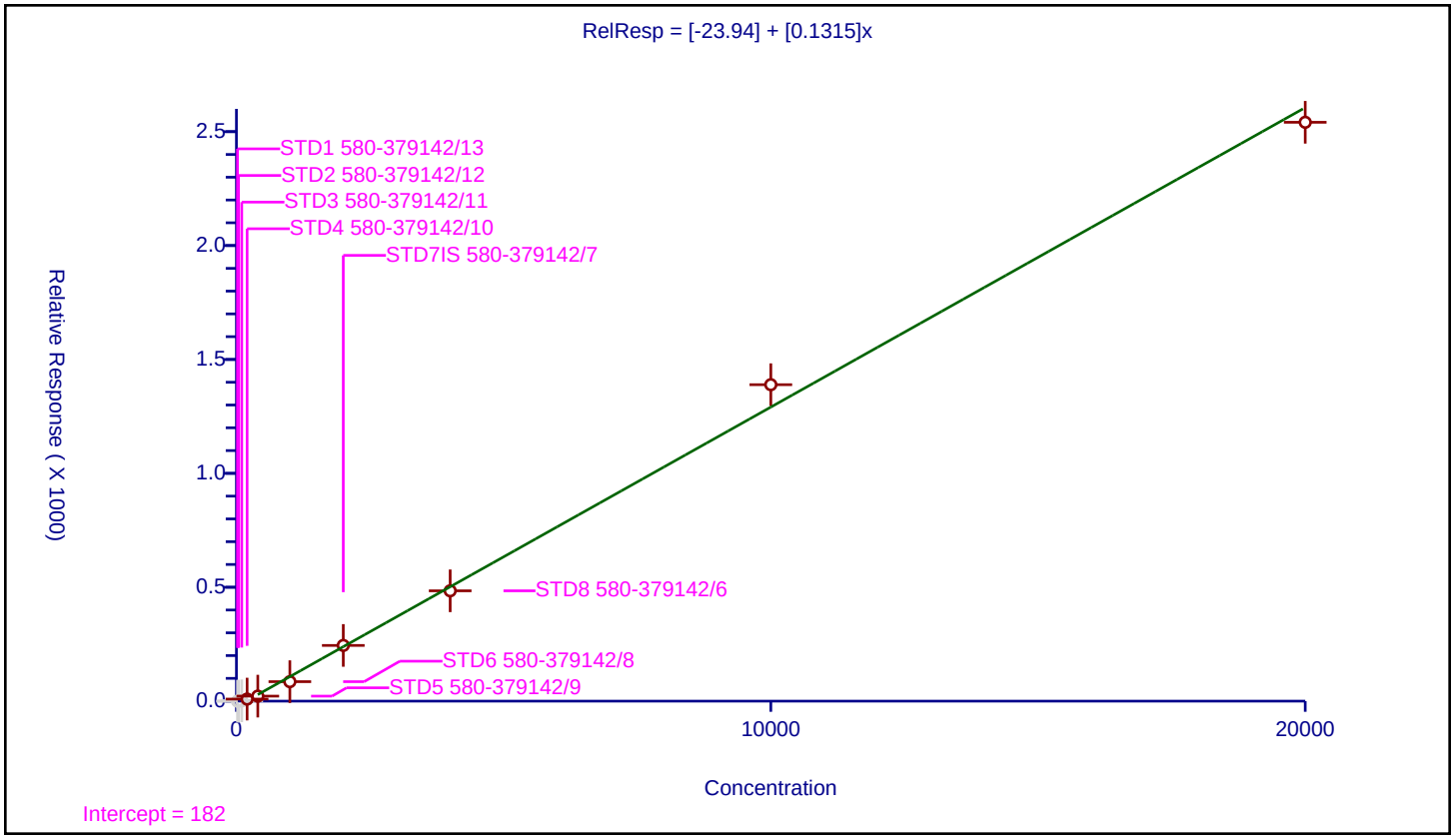
Curve Coefficients

Intercept:	-23.94
Slope:	0.1315

Error Coefficients

Standard Error:	1400000
Relative Standard Error:	15.2
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	65799.0	0.0	N
3	STD3 580-379142/11	100.0	1.45766	100.0	75532.0	0.014577	N
4	STD4 580-379142/10	200.0	9.040835	100.0	82968.0	0.045204	Y
5	STD5 580-379142/9	400.0	22.077279	100.0	90840.0	0.055193	Y
6	STD6 580-379142/8	1000.0	85.584228	100.0	99516.0	0.085584	Y
7	STD7IS 580-379142/7	2000.0	244.572243	100.0	94680.0	0.122286	Y
8	STD8 580-379142/6	4000.0	484.406221	100.0	103195.0	0.121102	Y
9	STD9 580-379142/5	10000.0	1389.254719	100.0	103934.0	0.138925	Y
10	STD10 580-379142/4	20000.0	2541.19103	100.0	107067.0	0.12706	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

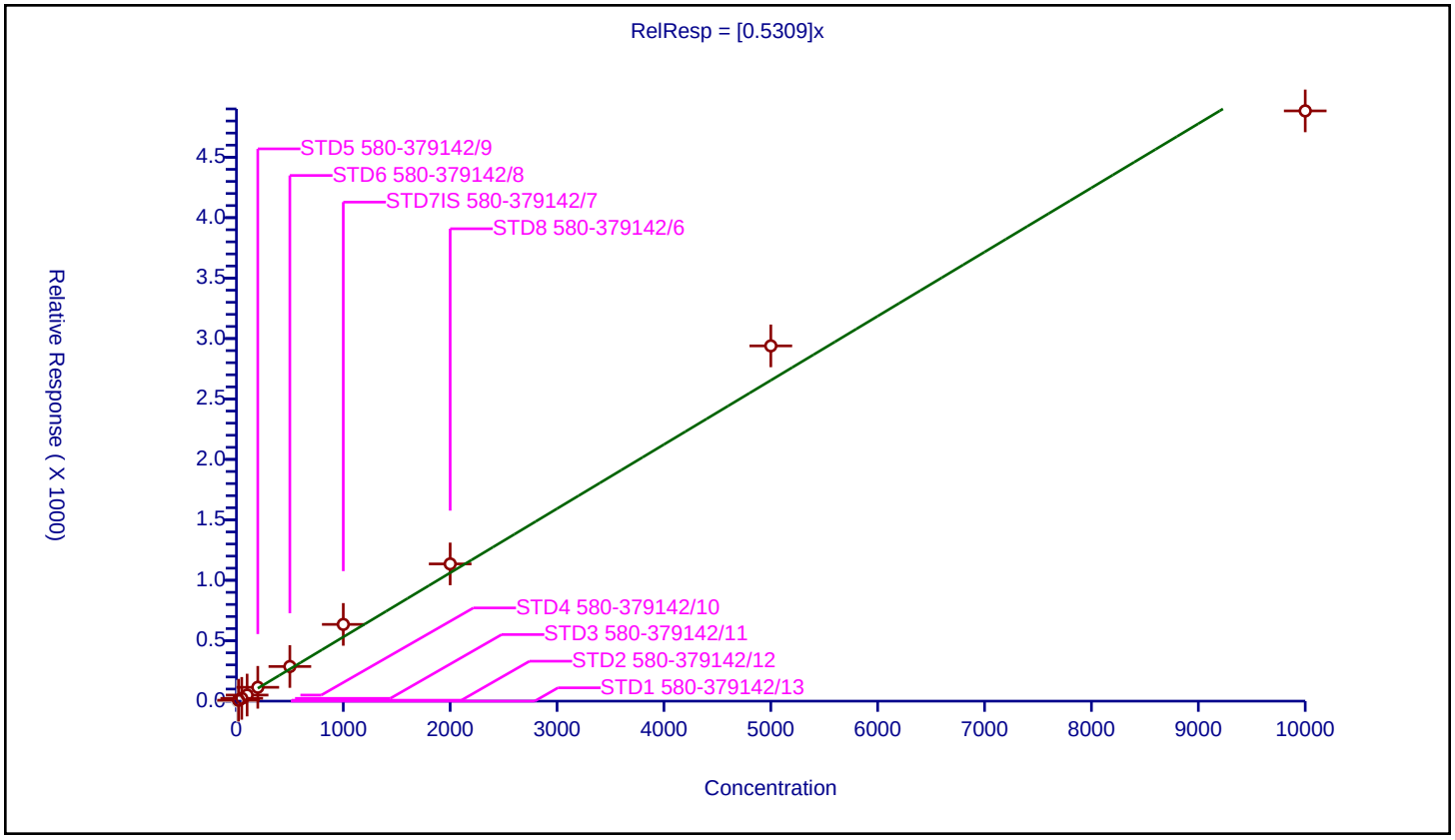
Curve Coefficients

Intercept:	0
Slope:	0.5309

Error Coefficients

Standard Error:	2190000
Relative Standard Error:	14.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.978

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	20.0	7.793432	100.0	65799.0	0.389672	Y
3	STD3 580-379142/11	50.0	23.026002	100.0	75532.0	0.46052	Y
4	STD4 580-379142/10	100.0	50.291679	100.0	82968.0	0.502917	Y
5	STD5 580-379142/9	200.0	114.476002	100.0	90840.0	0.57238	Y
6	STD6 580-379142/8	500.0	286.637325	100.0	99516.0	0.573275	Y
7	STD7IS 580-379142/7	1000.0	635.015843	100.0	94680.0	0.635016	Y
8	STD8 580-379142/6	2000.0	1135.489123	100.0	103195.0	0.567745	Y
9	STD9 580-379142/5	5000.0	2939.216233	100.0	103934.0	0.587843	Y
10	STD10 580-379142/4	10000.0	4883.510325	100.0	107067.0	0.488351	Y



Calibration / Azobenzene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

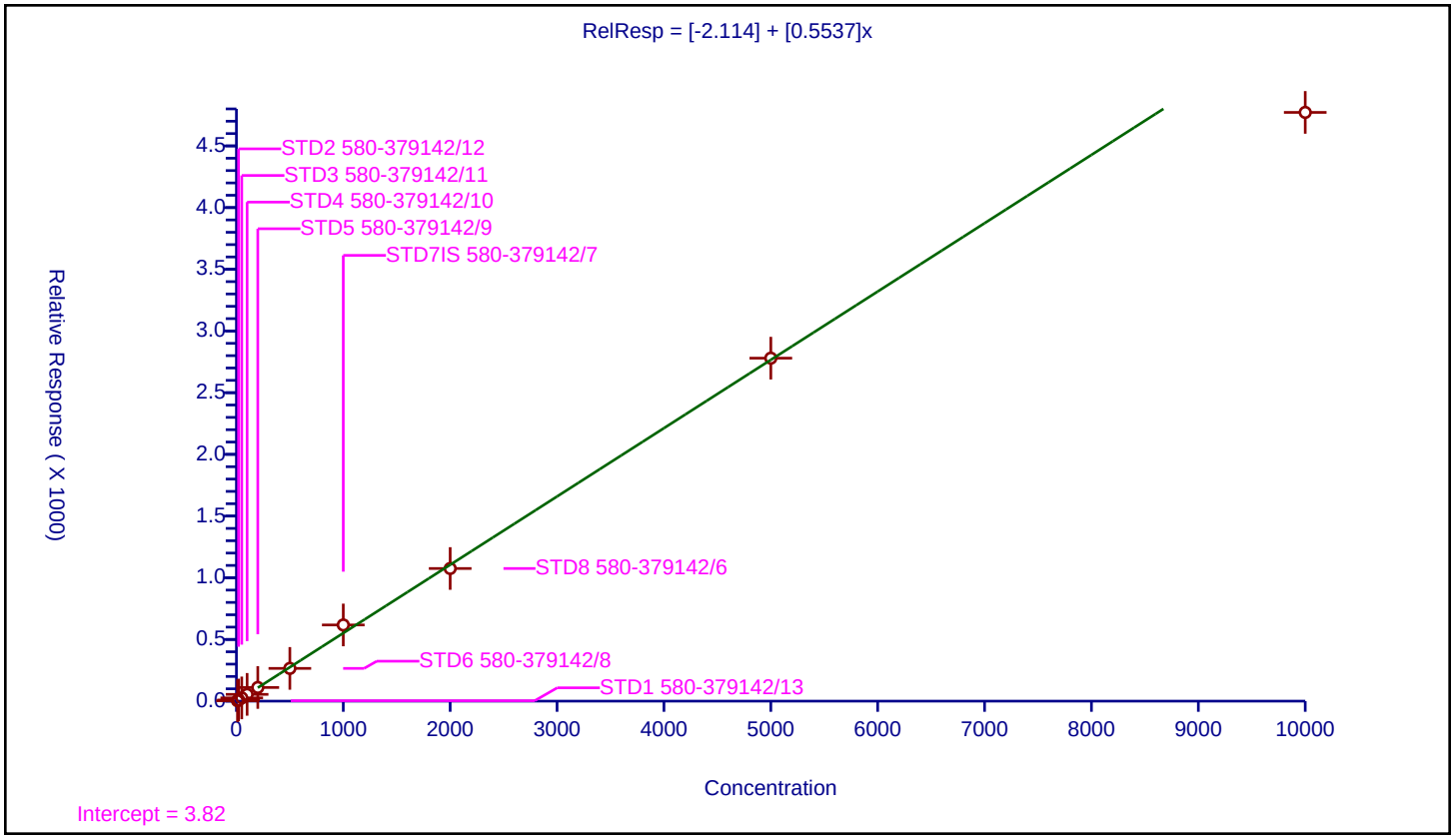
Curve Coefficients

Intercept:	-2.114
Slope:	0.5537

Error Coefficients

Standard Error:	2120000
Relative Standard Error:	6.9
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	3.311492	100.0	50974.0	0.331149	Y
2	STD2 580-379142/12	20.0	9.205307	100.0	65799.0	0.460265	Y
3	STD3 580-379142/11	50.0	26.22597	100.0	75532.0	0.524519	Y
4	STD4 580-379142/10	100.0	54.934433	100.0	82968.0	0.549344	Y
5	STD5 580-379142/9	200.0	110.64509	100.0	90840.0	0.553225	Y
6	STD6 580-379142/8	500.0	265.407573	100.0	99516.0	0.530815	Y
7	STD7IS 580-379142/7	1000.0	617.530629	100.0	94680.0	0.617531	Y
8	STD8 580-379142/6	2000.0	1075.00751	100.0	103195.0	0.537504	Y
9	STD9 580-379142/5	5000.0	2779.675563	100.0	103934.0	0.555935	Y
10	STD10 580-379142/4	10000.0	4771.475805	100.0	107067.0	0.477148	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

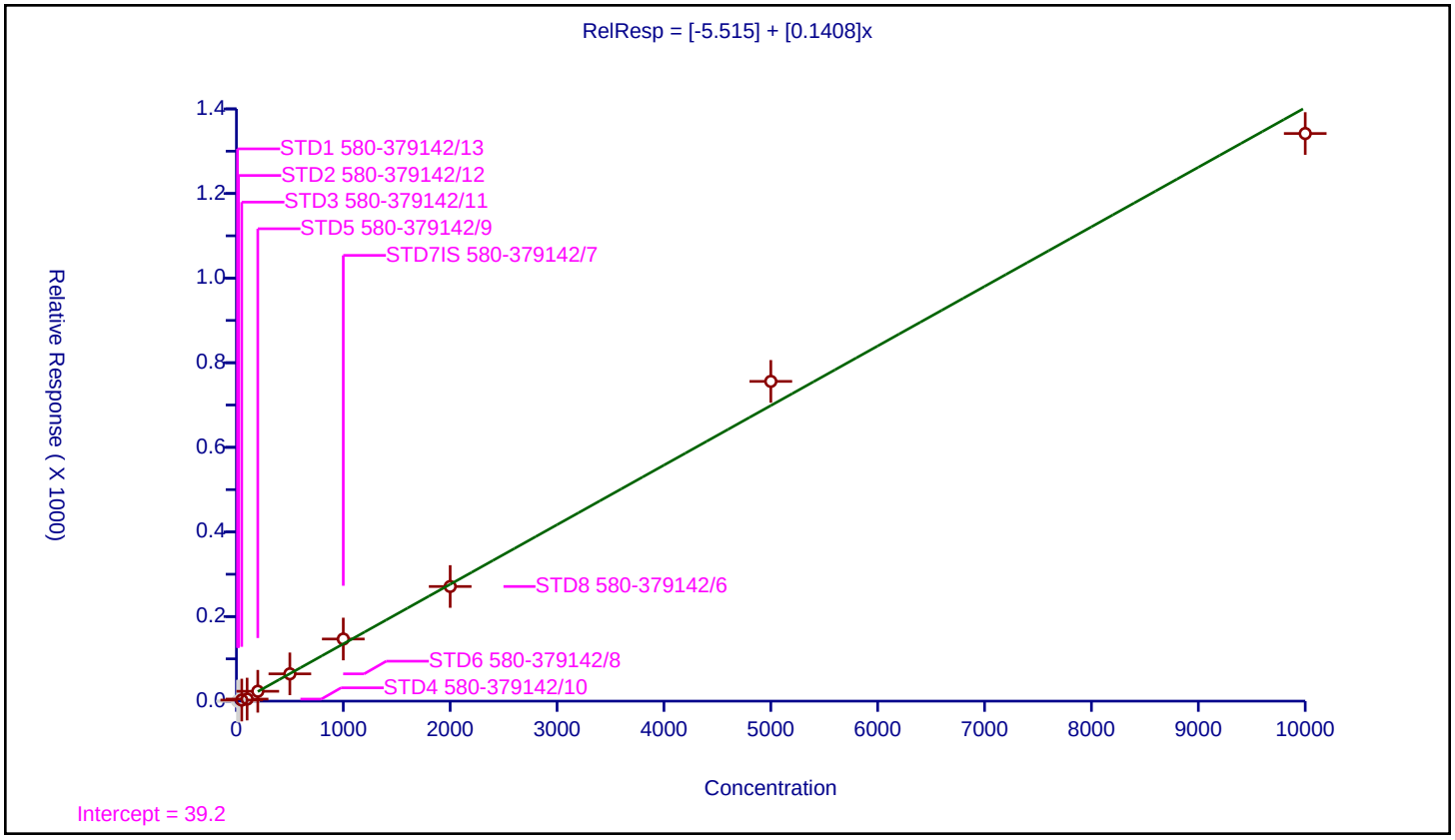
Curve Coefficients

Intercept:	-5.515
Slope:	0.1408

Error Coefficients

Standard Error:	680000
Relative Standard Error:	13.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	65799.0	0.0	N
3	STD3 580-379142/11	50.0	2.540645	100.0	75532.0	0.050813	Y
4	STD4 580-379142/10	100.0	4.859705	100.0	82968.0	0.048597	Y
5	STD5 580-379142/9	200.0	23.316821	100.0	90840.0	0.116584	Y
6	STD6 580-379142/8	500.0	64.525302	100.0	99516.0	0.129051	Y
7	STD7IS 580-379142/7	1000.0	146.837769	100.0	94680.0	0.146838	Y
8	STD8 580-379142/6	2000.0	271.022821	100.0	103195.0	0.135511	Y
9	STD9 580-379142/5	5000.0	755.865261	100.0	103934.0	0.151173	Y
10	STD10 580-379142/4	10000.0	1341.793456	100.0	107067.0	0.134179	Y



Calibration / 4-Bromophenyl phenyl ether

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

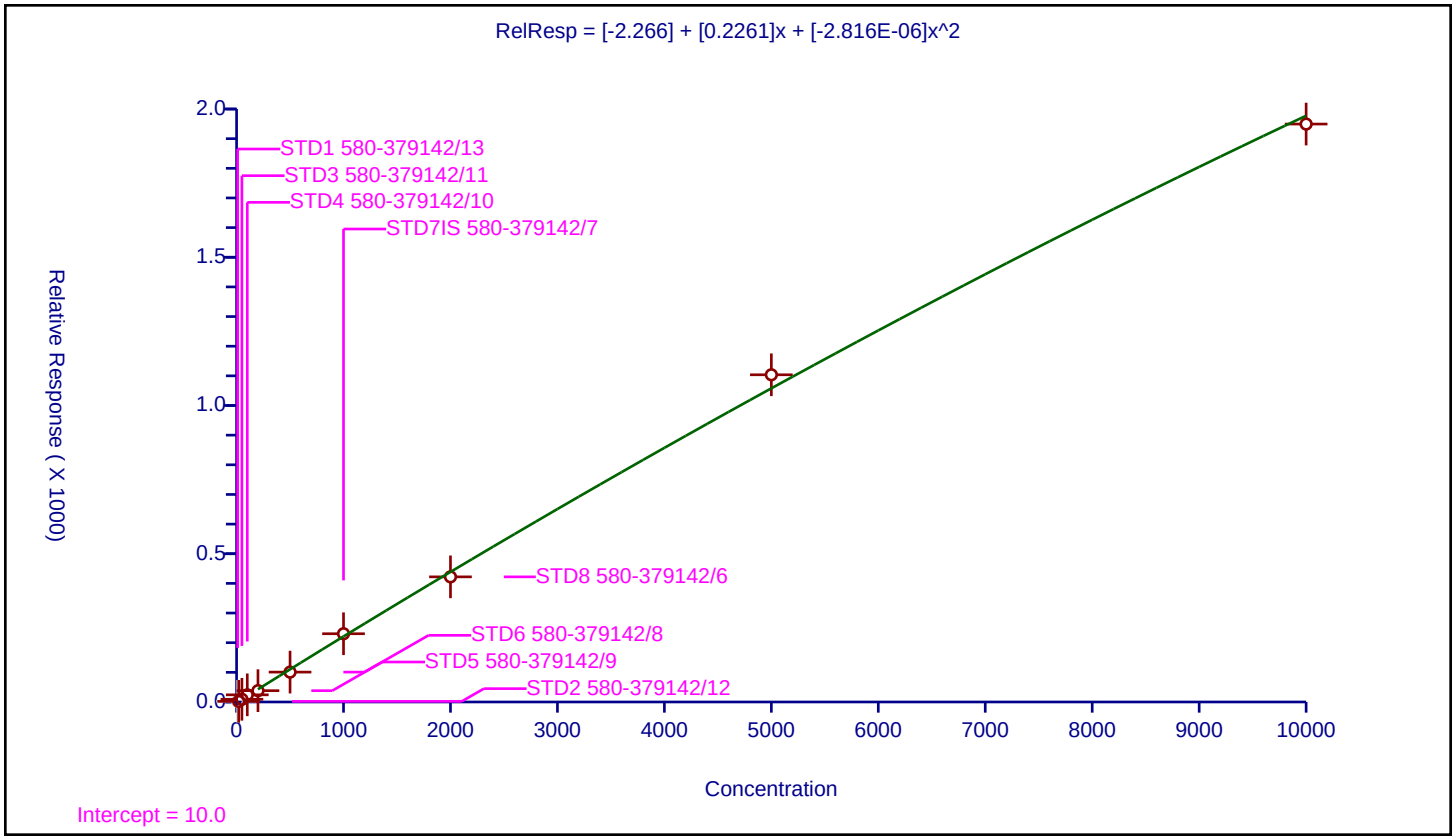
Curve Coefficients

Intercept:	-2.266
Slope:	0.2261
Second Order:	-2.816E-06

Error Coefficients

Standard Error:	992000
Relative Standard Error:	9.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	2.367874	100.0	50974.0	0.236787	N
2	STD2 580-379142/12	20.0	2.144409	100.0	65799.0	0.10722	Y
3	STD3 580-379142/11	50.0	9.136525	100.0	75532.0	0.18273	Y
4	STD4 580-379142/10	100.0	24.137017	100.0	82968.0	0.24137	Y
5	STD5 580-379142/9	200.0	38.166006	100.0	90840.0	0.19083	Y
6	STD6 580-379142/8	500.0	100.797862	100.0	99516.0	0.201596	Y
7	STD7IS 580-379142/7	1000.0	230.232362	100.0	94680.0	0.230232	Y
8	STD8 580-379142/6	2000.0	422.096032	100.0	103195.0	0.211048	Y
9	STD9 580-379142/5	5000.0	1103.643658	100.0	103934.0	0.220729	Y
10	STD10 580-379142/4	10000.0	1949.230855	100.0	107067.0	0.194923	Y



Calibration / Hexachlorobenzene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

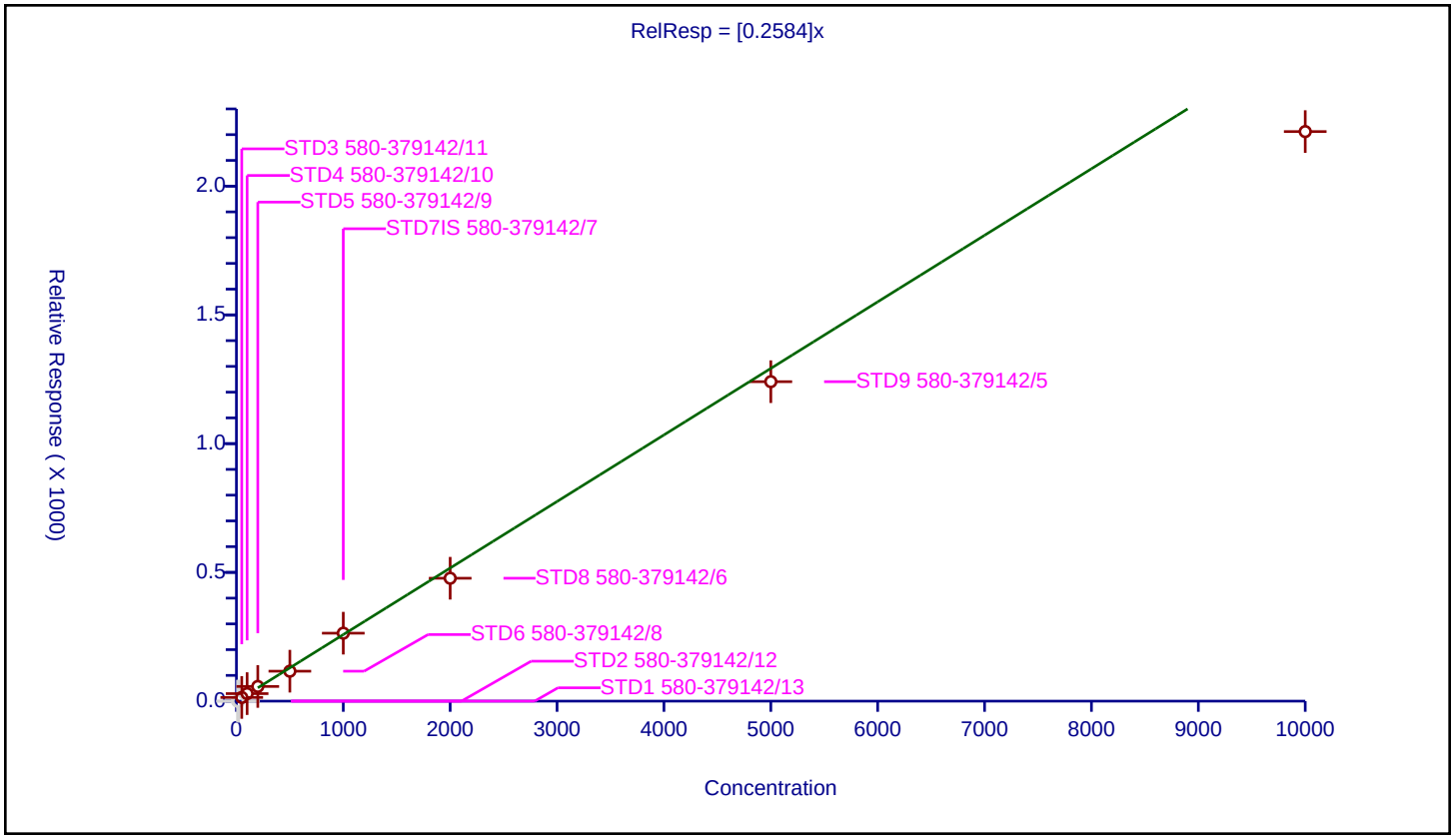
Curve Coefficients

Intercept:	0
Slope:	0.2584

Error Coefficients

Standard Error:	1040000
Relative Standard Error:	10.5
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.983

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	65799.0	0.0	N
3	STD3 580-379142/11	50.0	14.281364	100.0	75532.0	0.285627	Y
4	STD4 580-379142/10	100.0	29.210057	100.0	82968.0	0.292101	Y
5	STD5 580-379142/9	200.0	57.075077	100.0	90840.0	0.285375	Y
6	STD6 580-379142/8	500.0	116.27276	100.0	99516.0	0.232546	Y
7	STD7IS 580-379142/7	1000.0	263.860372	100.0	94680.0	0.26386	Y
8	STD8 580-379142/6	2000.0	477.330297	100.0	103195.0	0.238665	Y
9	STD9 580-379142/5	5000.0	1240.658495	100.0	103934.0	0.248132	Y
10	STD10 580-379142/4	10000.0	2211.908431	100.0	107067.0	0.221191	Y



Calibration / Atrazine

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

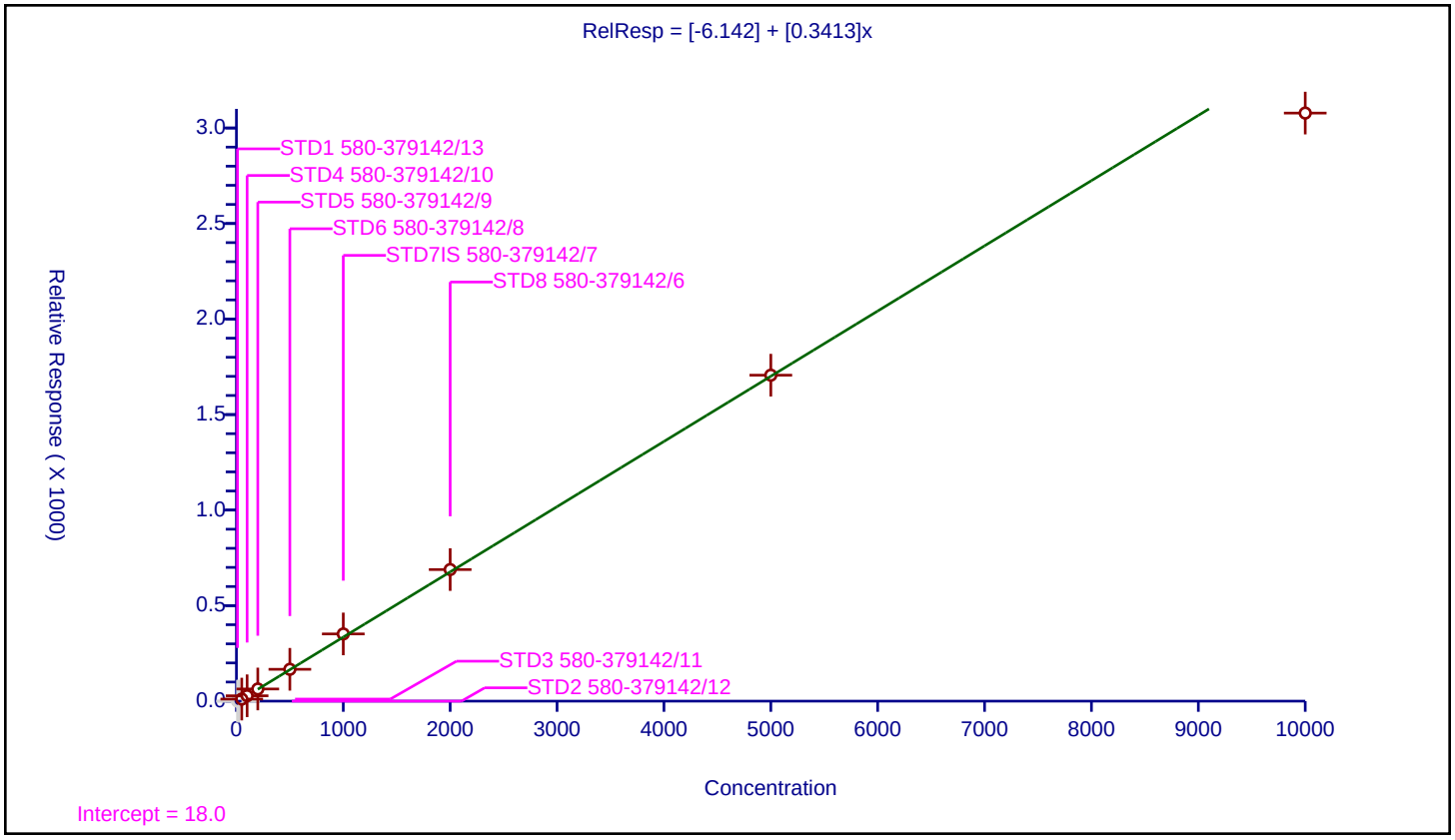
Curve Coefficients

Intercept:	-6.142
Slope:	0.3413

Error Coefficients

Standard Error:	977000
Relative Standard Error:	4.6
Correlation Coefficient:	0.993
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41597.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	50575.0	0.0	N
3	STD3 580-379142/11	50.0	10.736275	100.0	54246.0	0.214726	Y
4	STD4 580-379142/10	100.0	28.133946	100.0	57635.0	0.281339	Y
5	STD5 580-379142/9	200.0	63.584196	100.0	60644.0	0.317921	Y
6	STD6 580-379142/8	500.0	166.617542	100.0	63105.0	0.333235	Y
7	STD7IS 580-379142/7	1000.0	351.744676	100.0	65313.0	0.351745	Y
8	STD8 580-379142/6	2000.0	688.82303	100.0	65966.0	0.344412	Y
9	STD9 580-379142/5	5000.0	1706.206044	100.0	69529.0	0.341241	Y
10	STD10 580-379142/4	10000.0	3078.126096	100.0	65553.0	0.307813	Y



Calibration / Pentachlorophenol

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

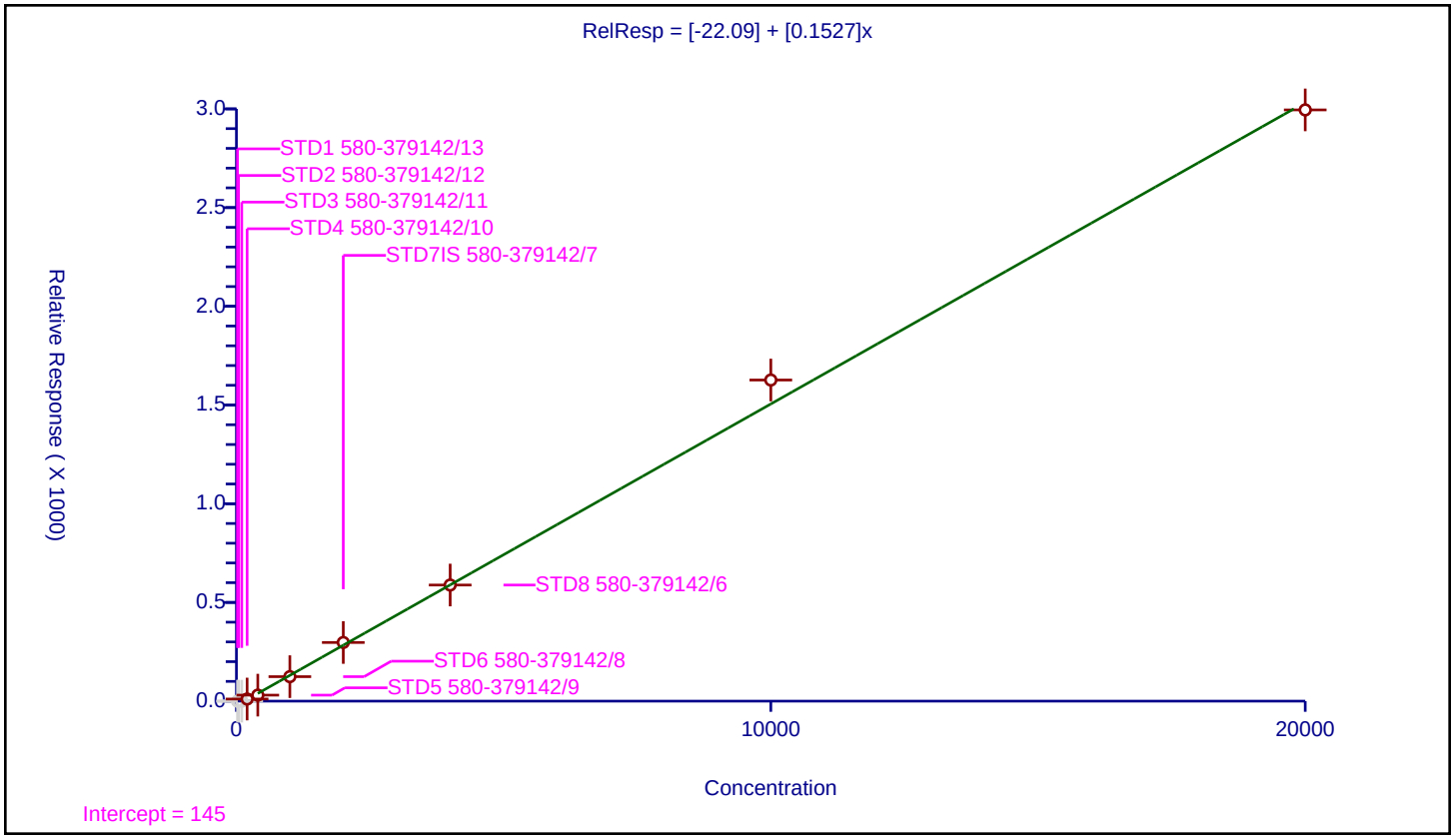
Curve Coefficients

Intercept:	-22.09
Slope:	0.1527

Error Coefficients

Standard Error:	1650000
Relative Standard Error:	8.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	65799.0	0.0	N
3	STD3 580-379142/11	100.0	0.0	100.0	75532.0	0.0	N
4	STD4 580-379142/10	200.0	10.693279	100.0	82968.0	0.053466	Y
5	STD5 580-379142/9	400.0	30.402906	100.0	90840.0	0.076007	Y
6	STD6 580-379142/8	1000.0	123.996141	100.0	99516.0	0.123996	Y
7	STD7IS 580-379142/7	2000.0	297.206379	100.0	94680.0	0.148603	Y
8	STD8 580-379142/6	4000.0	588.128301	100.0	103195.0	0.147032	Y
9	STD9 580-379142/5	10000.0	1626.594762	100.0	103934.0	0.162659	Y
10	STD10 580-379142/4	20000.0	2994.901323	100.0	107067.0	0.149745	Y



Calibration / n-Octadecane

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

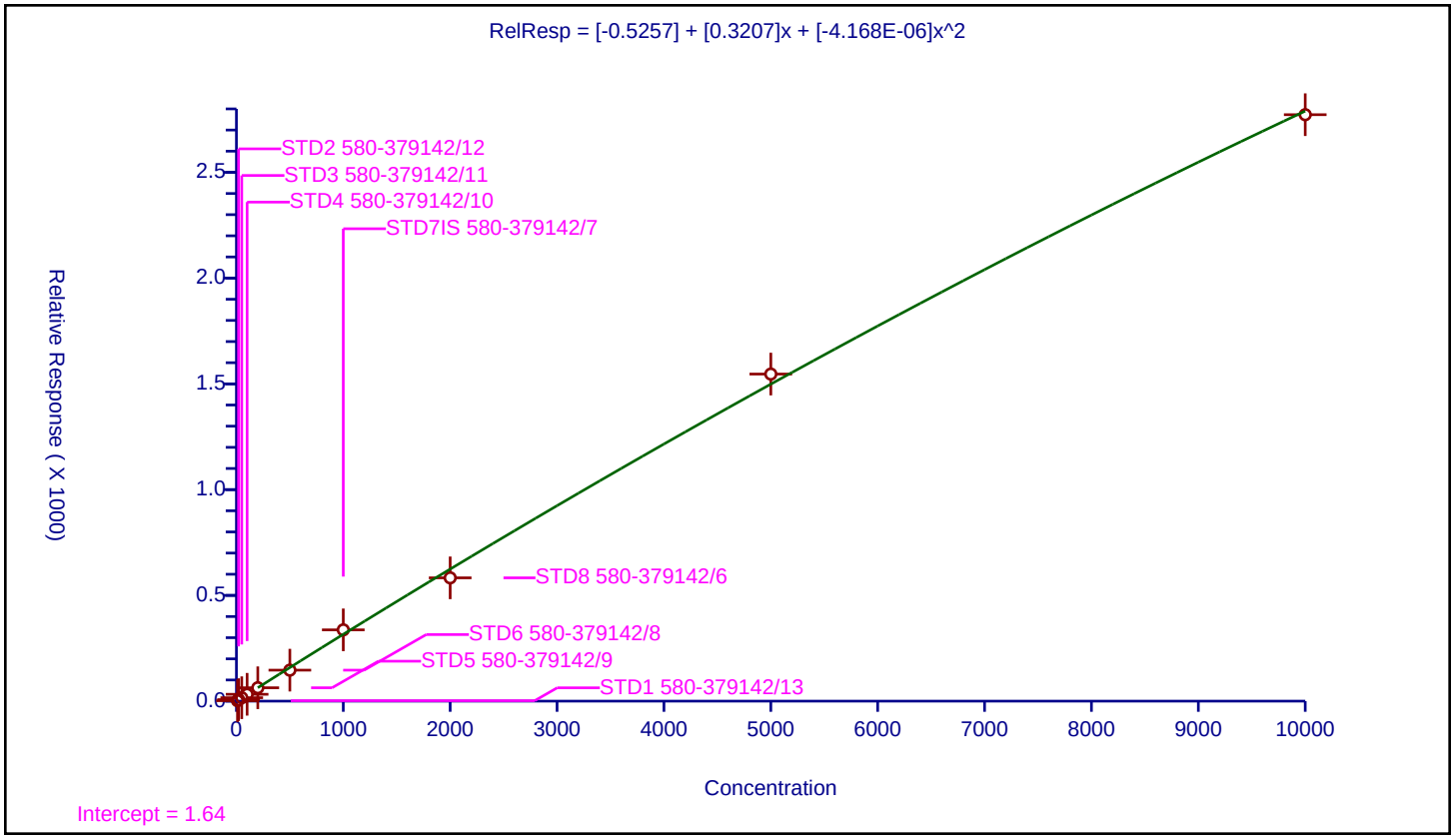
Curve Coefficients

Intercept:	-0.5257
Slope:	0.3207
Second Order:	-4.168E-06

Error Coefficients

Standard Error:	1300000
Relative Standard Error:	11.8
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	2.024562	100.0	50974.0	0.202456	Y
2	STD2 580-379142/12	20.0	7.104971	100.0	65799.0	0.355249	Y
3	STD3 580-379142/11	50.0	16.148123	100.0	75532.0	0.322962	Y
4	STD4 580-379142/10	100.0	32.378748	100.0	82968.0	0.323787	Y
5	STD5 580-379142/9	200.0	63.303611	100.0	90840.0	0.316518	Y
6	STD6 580-379142/8	500.0	146.471924	100.0	99516.0	0.292944	Y
7	STD7IS 580-379142/7	1000.0	337.065906	100.0	94680.0	0.337066	Y
8	STD8 580-379142/6	2000.0	582.928436	100.0	103195.0	0.291464	Y
9	STD9 580-379142/5	5000.0	1546.339985	100.0	103934.0	0.309268	Y
10	STD10 580-379142/4	10000.0	2772.568579	100.0	107067.0	0.277257	Y



Calibration / Phenanthrene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

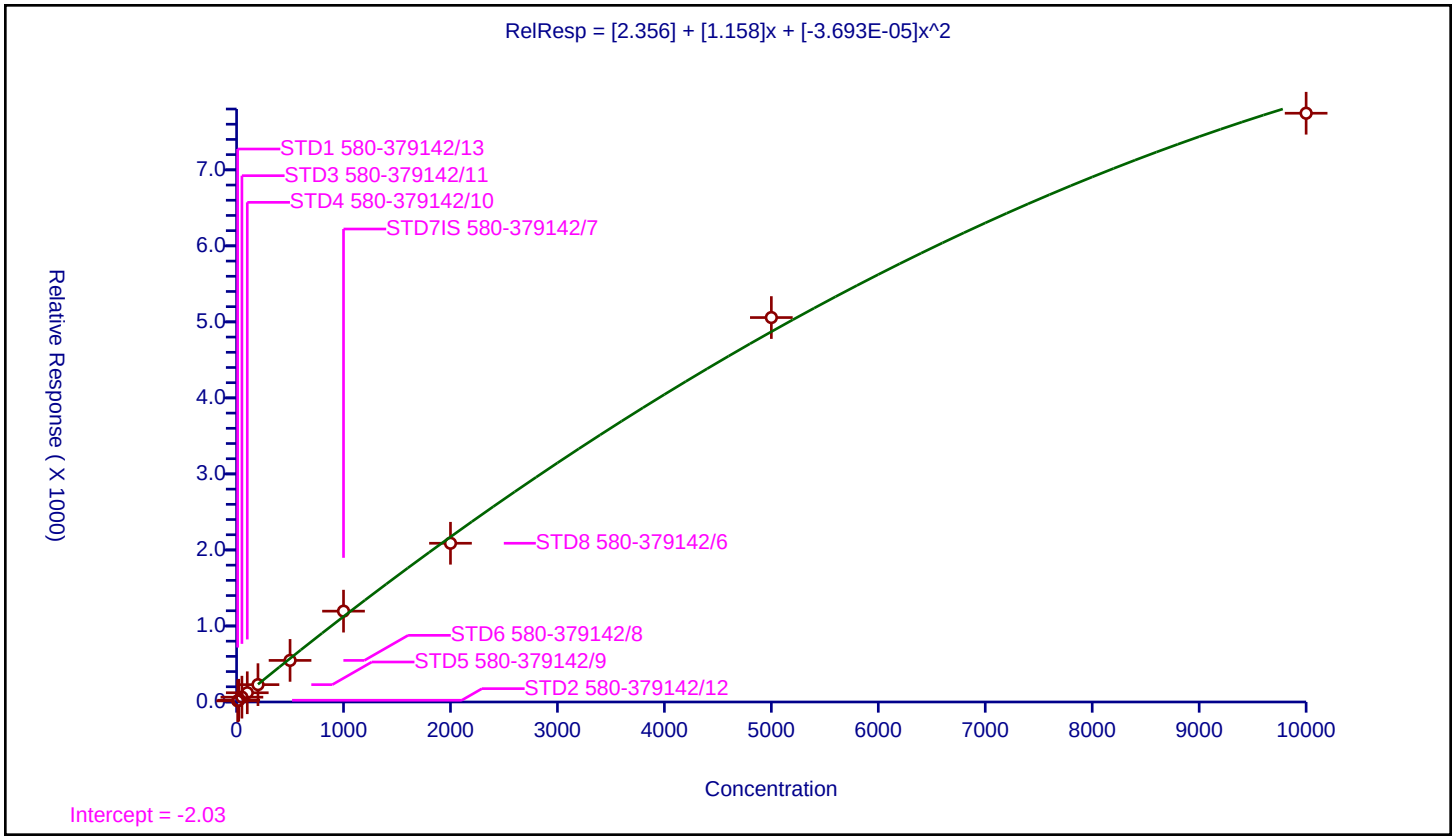
Curve Coefficients

Intercept:	2.356
Slope:	1.158
Second Order:	-3.693E-05

Error Coefficients

Standard Error:	3830000
Relative Standard Error:	6.5
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	14.428925	100.0	50974.0	1.442892	Y
2	STD2 580-379142/12	20.0	22.953236	100.0	65799.0	1.147662	Y
3	STD3 580-379142/11	50.0	63.32283	100.0	75532.0	1.266457	Y
4	STD4 580-379142/10	100.0	121.376916	100.0	82968.0	1.213769	Y
5	STD5 580-379142/9	200.0	228.326728	100.0	90840.0	1.141634	Y
6	STD6 580-379142/8	500.0	547.110012	100.0	99516.0	1.09422	Y
7	STD7IS 580-379142/7	1000.0	1195.009506	100.0	94680.0	1.19501	Y
8	STD8 580-379142/6	2000.0	2087.948059	100.0	103195.0	1.043974	Y
9	STD9 580-379142/5	5000.0	5056.905344	100.0	103934.0	1.011381	Y
10	STD10 580-379142/4	10000.0	7744.64214	100.0	107067.0	0.774464	Y



Calibration / Anthracene

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

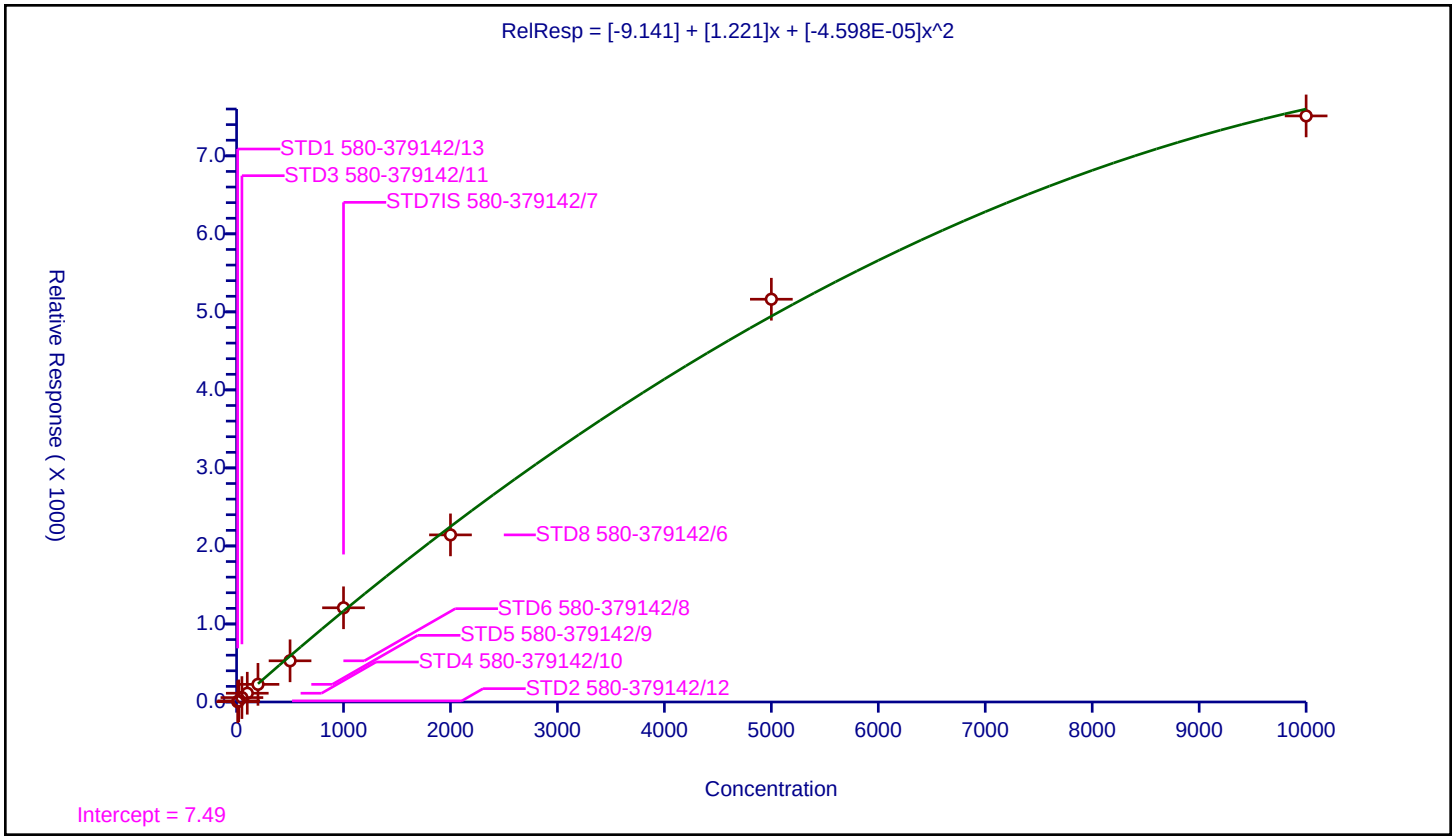
Curve Coefficients

Intercept:	-9.141
Slope:	1.221
Second Order:	-4.598E-05

Error Coefficients

Standard Error:	3780000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	3.85883	100.0	50974.0	0.385883	Y
2	STD2 580-379142/12	20.0	14.495661	100.0	65799.0	0.724783	Y
3	STD3 580-379142/11	50.0	56.53895	100.0	75532.0	1.130779	Y
4	STD4 580-379142/10	100.0	112.289075	100.0	82968.0	1.122891	Y
5	STD5 580-379142/9	200.0	226.239542	100.0	90840.0	1.131198	Y
6	STD6 580-379142/8	500.0	527.982435	100.0	99516.0	1.055965	Y
7	STD7IS 580-379142/7	1000.0	1207.275032	100.0	94680.0	1.207275	Y
8	STD8 580-379142/6	2000.0	2141.80532	100.0	103195.0	1.070903	Y
9	STD9 580-379142/5	5000.0	5162.000885	100.0	103934.0	1.0324	Y
10	STD10 580-379142/4	10000.0	7511.513351	100.0	107067.0	0.751151	Y



Calibration / Carbazole

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

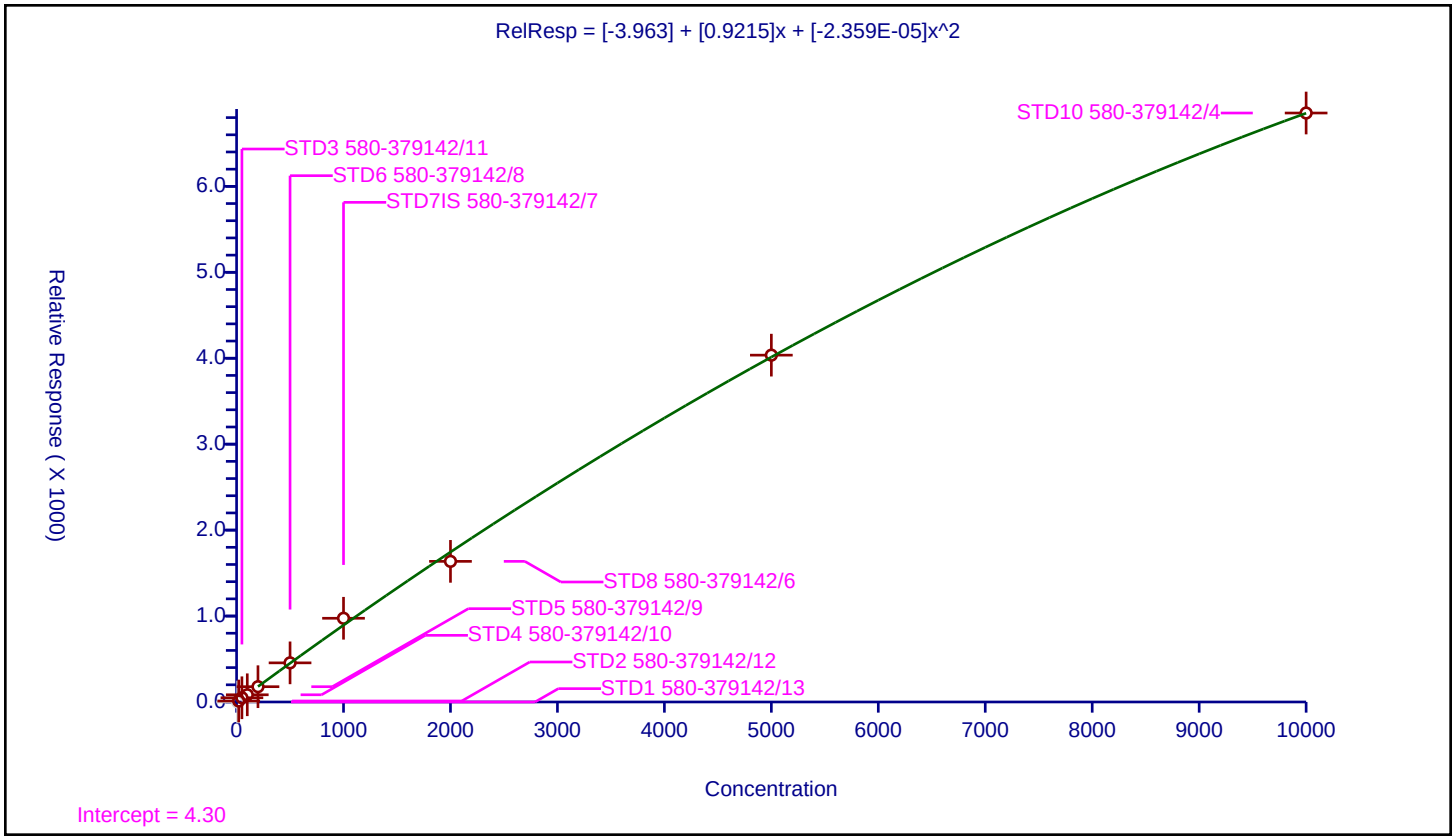
Curve Coefficients

Intercept:	-3.963
Slope:	0.9215
Second Order:	-2.359E-05

Error Coefficients

Standard Error:	3540000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	20.0	11.744859	100.0	65799.0	0.587243	Y
3	STD3 580-379142/11	50.0	49.26786	100.0	75532.0	0.985357	Y
4	STD4 580-379142/10	100.0	83.841963	100.0	82968.0	0.83842	Y
5	STD5 580-379142/9	200.0	177.863276	100.0	90840.0	0.889316	Y
6	STD6 580-379142/8	500.0	455.486555	100.0	99516.0	0.910973	Y
7	STD7IS 580-379142/7	1000.0	974.070553	100.0	94680.0	0.974071	Y
8	STD8 580-379142/6	2000.0	1636.21784	100.0	103195.0	0.818109	Y
9	STD9 580-379142/5	5000.0	4036.059422	100.0	103934.0	0.807212	Y
10	STD10 580-379142/4	10000.0	6853.598214	100.0	107067.0	0.68536	Y



Calibration / Di-n-butyl phthalate

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

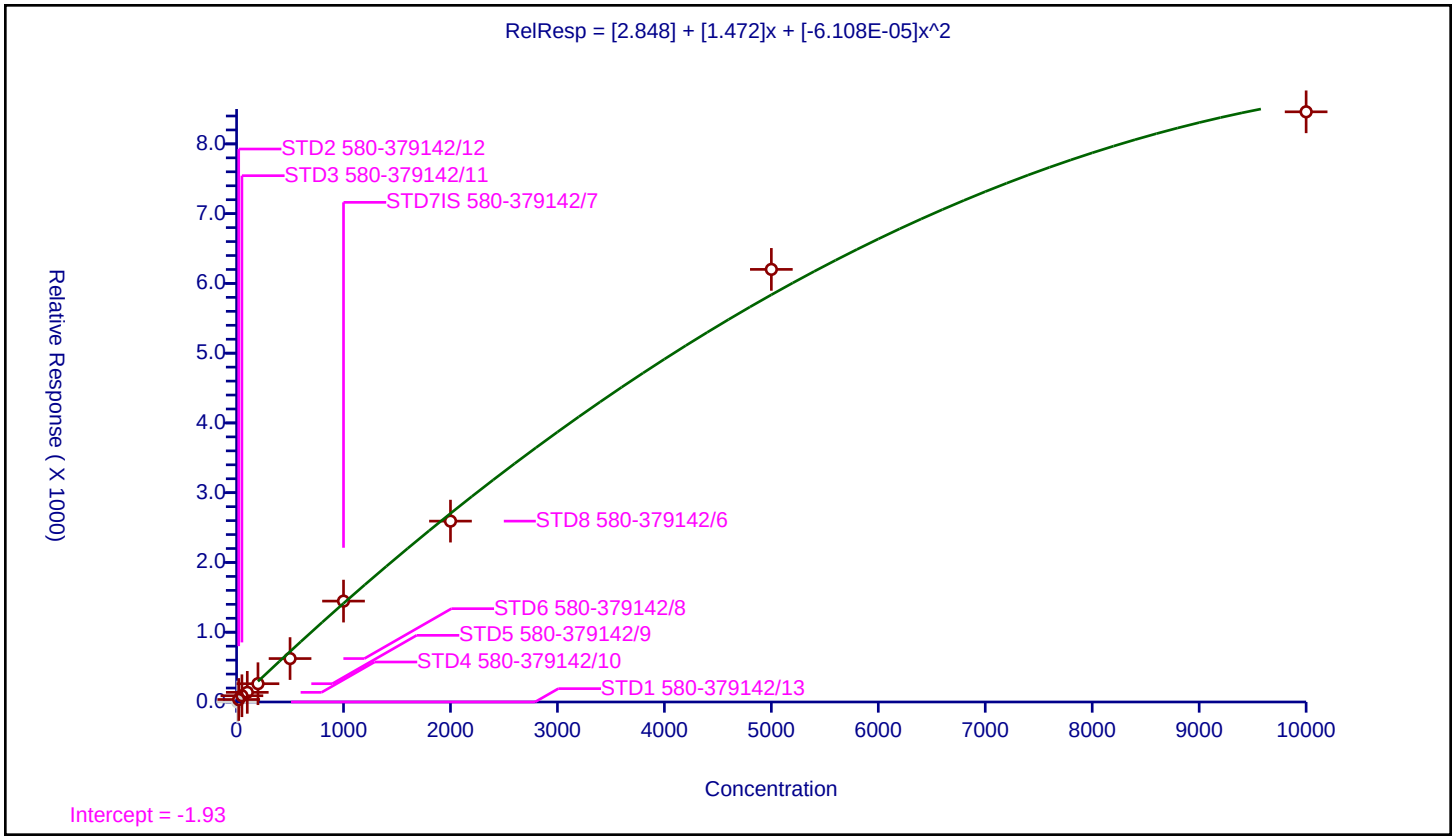
Curve Coefficients

Intercept:	2.848
Slope:	1.472
Second Order:	-6.108E-05

Error Coefficients

Standard Error:	4700000
Relative Standard Error:	12.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	20.0	35.915439	100.0	65799.0	1.795772	Y
3	STD3 580-379142/11	50.0	89.454801	100.0	75532.0	1.789096	Y
4	STD4 580-379142/10	100.0	138.09541	100.0	82968.0	1.380954	Y
5	STD5 580-379142/9	200.0	262.221488	100.0	90840.0	1.311107	Y
6	STD6 580-379142/8	500.0	622.433579	100.0	99516.0	1.244867	Y
7	STD7IS 580-379142/7	1000.0	1446.298057	100.0	94680.0	1.446298	Y
8	STD8 580-379142/6	2000.0	2592.746742	100.0	103195.0	1.296373	Y
9	STD9 580-379142/5	5000.0	6200.982354	100.0	103934.0	1.240196	Y
10	STD10 580-379142/4	10000.0	8459.818618	100.0	107067.0	0.845982	Y



Calibration / Fluoranthene

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

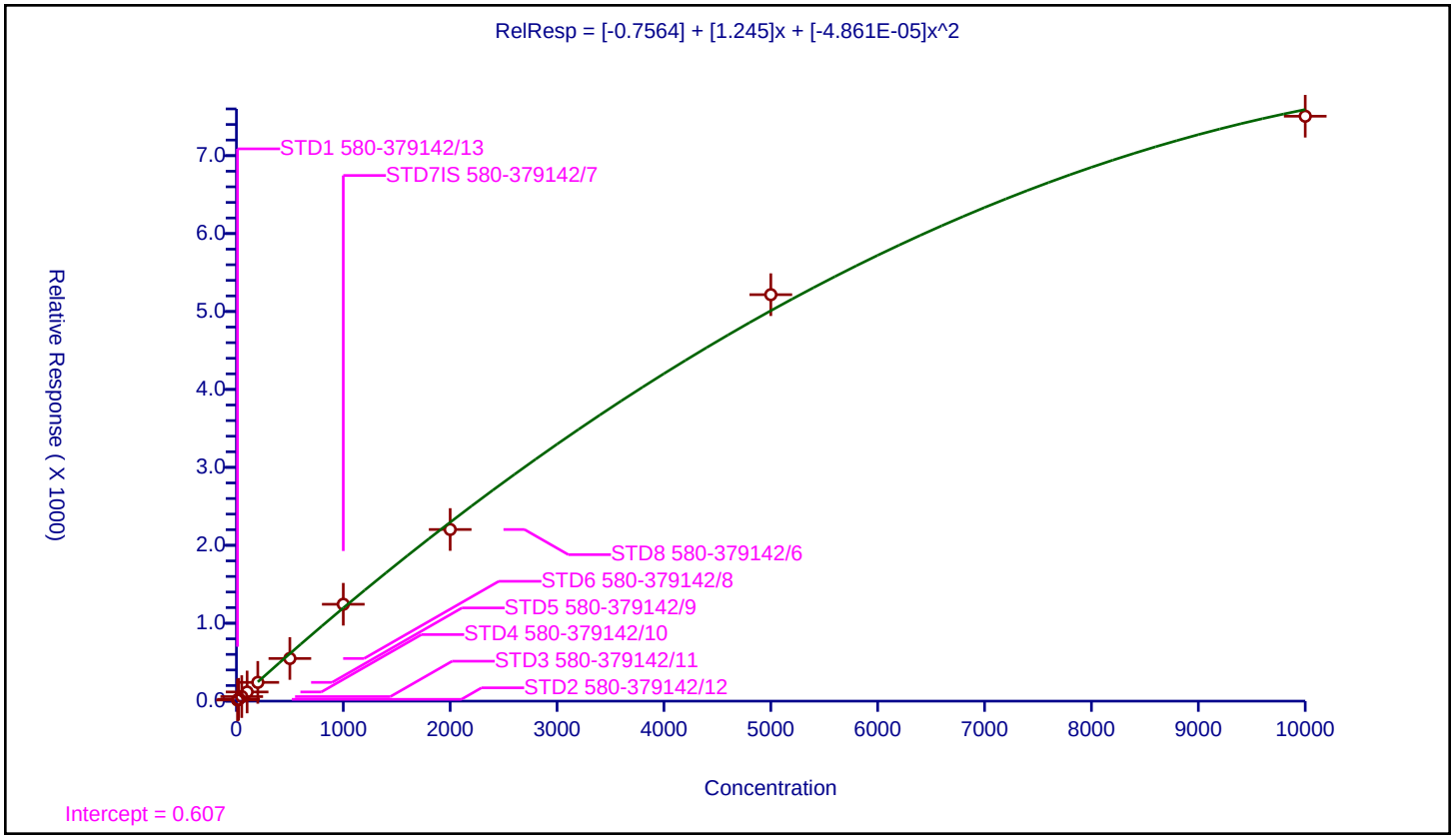
Curve Coefficients

Intercept:	-0.7564
Slope:	1.245
Second Order:	-4.861E-05

Error Coefficients

Standard Error:	3790000
Relative Standard Error:	10.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	14.362224	100.0	50974.0	1.436222	Y
2	STD2 580-379142/12	20.0	23.530753	100.0	65799.0	1.176538	Y
3	STD3 580-379142/11	50.0	58.229625	100.0	75532.0	1.164592	Y
4	STD4 580-379142/10	100.0	117.768296	100.0	82968.0	1.177683	Y
5	STD5 580-379142/9	200.0	240.804712	100.0	90840.0	1.204024	Y
6	STD6 580-379142/8	500.0	547.519997	100.0	99516.0	1.09504	Y
7	STD7IS 580-379142/7	1000.0	1243.168568	100.0	94680.0	1.243169	Y
8	STD8 580-379142/6	2000.0	2202.522409	100.0	103195.0	1.101261	Y
9	STD9 580-379142/5	5000.0	5216.225682	100.0	103934.0	1.043245	Y
10	STD10 580-379142/4	10000.0	7505.862684	100.0	107067.0	0.750586	Y



Calibration / Benzidine

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

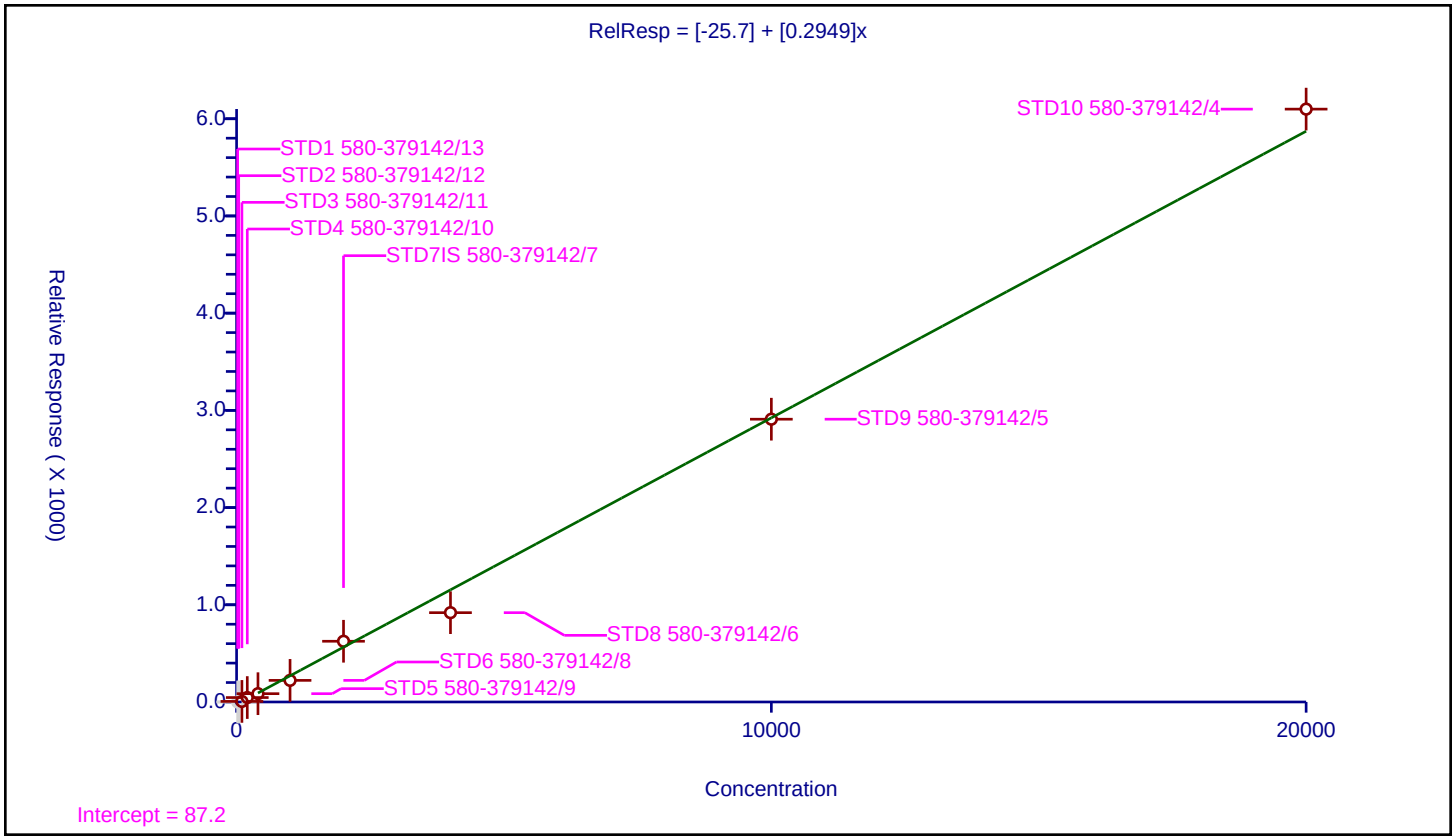
Curve Coefficients

Intercept:	-25.7
Slope:	0.2949

Error Coefficients

Standard Error:	2970000
Relative Standard Error:	14.7
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	40.0	0.0	100.0	65799.0	0.0	N
3	STD3 580-379142/11	100.0	5.797543	100.0	75532.0	0.057975	Y
4	STD4 580-379142/10	200.0	45.726063	100.0	82968.0	0.22863	Y
5	STD5 580-379142/9	400.0	85.361074	100.0	90840.0	0.213403	Y
6	STD6 580-379142/8	1000.0	222.426544	100.0	99516.0	0.222427	Y
7	STD7IS 580-379142/7	2000.0	624.713773	100.0	94680.0	0.312357	Y
8	STD8 580-379142/6	4000.0	918.745094	100.0	103195.0	0.229686	Y
9	STD9 580-379142/5	10000.0	2908.967229	100.0	103934.0	0.290897	Y
10	STD10 580-379142/4	20000.0	6099.000626	100.0	107067.0	0.30495	Y



Calibration / Pyrene

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

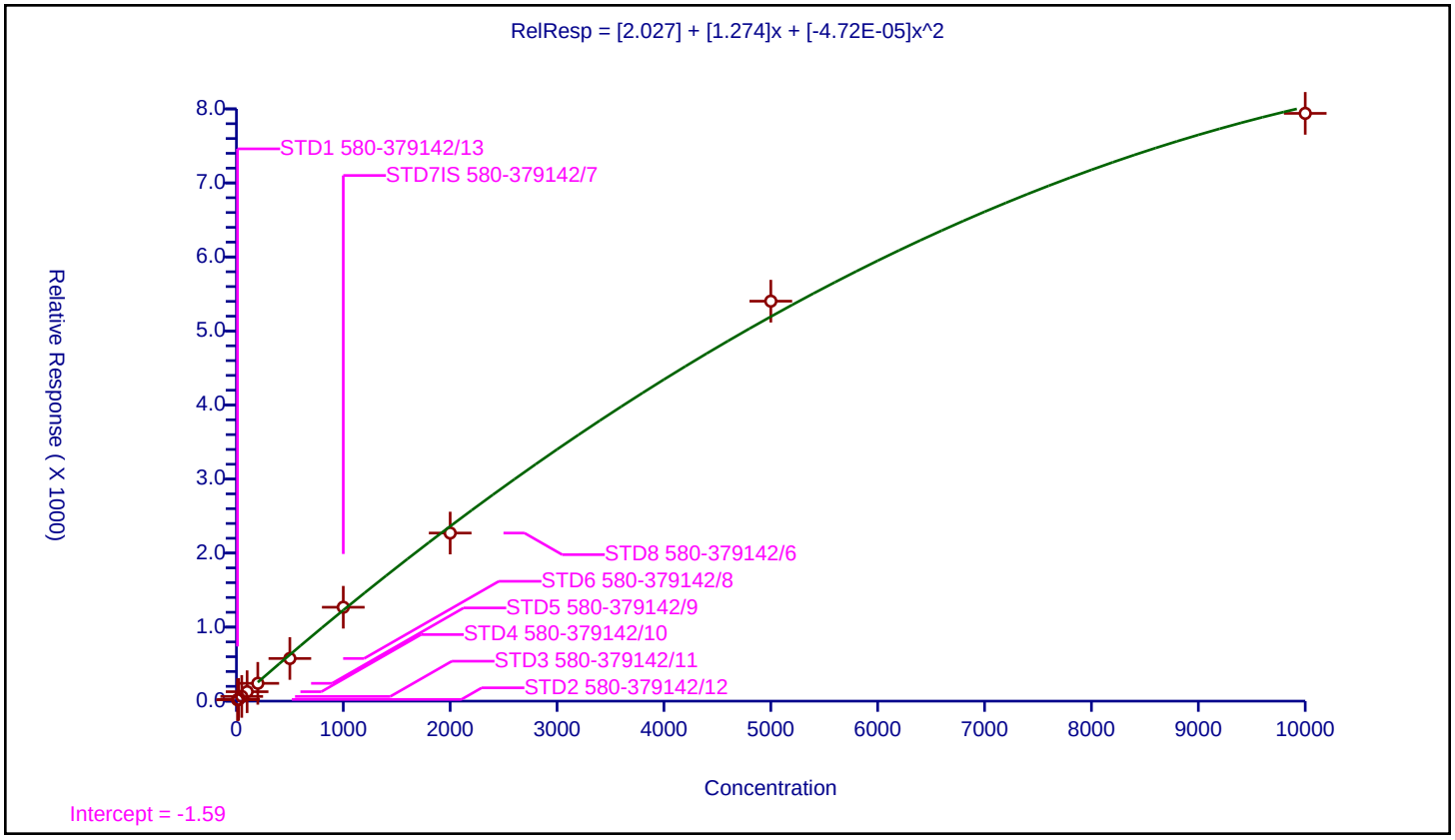
Curve Coefficients

Intercept:	2.027
Slope:	1.274
Second Order:	-4.72E-05

Error Coefficients

Standard Error:	3980000
Relative Standard Error:	14.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	18.923373	100.0	50974.0	1.892337	Y
2	STD2 580-379142/12	20.0	23.252633	100.0	65799.0	1.162632	Y
3	STD3 580-379142/11	50.0	63.602182	100.0	75532.0	1.272044	Y
4	STD4 580-379142/10	100.0	127.494938	100.0	82968.0	1.274949	Y
5	STD5 580-379142/9	200.0	240.653897	100.0	90840.0	1.203269	Y
6	STD6 580-379142/8	500.0	576.203827	100.0	99516.0	1.152408	Y
7	STD7IS 580-379142/7	1000.0	1268.457964	100.0	94680.0	1.268458	Y
8	STD8 580-379142/6	2000.0	2270.534425	100.0	103195.0	1.135267	Y
9	STD9 580-379142/5	5000.0	5402.90569	100.0	103934.0	1.080581	Y
10	STD10 580-379142/4	10000.0	7939.665817	100.0	107067.0	0.793967	Y



Calibration / Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

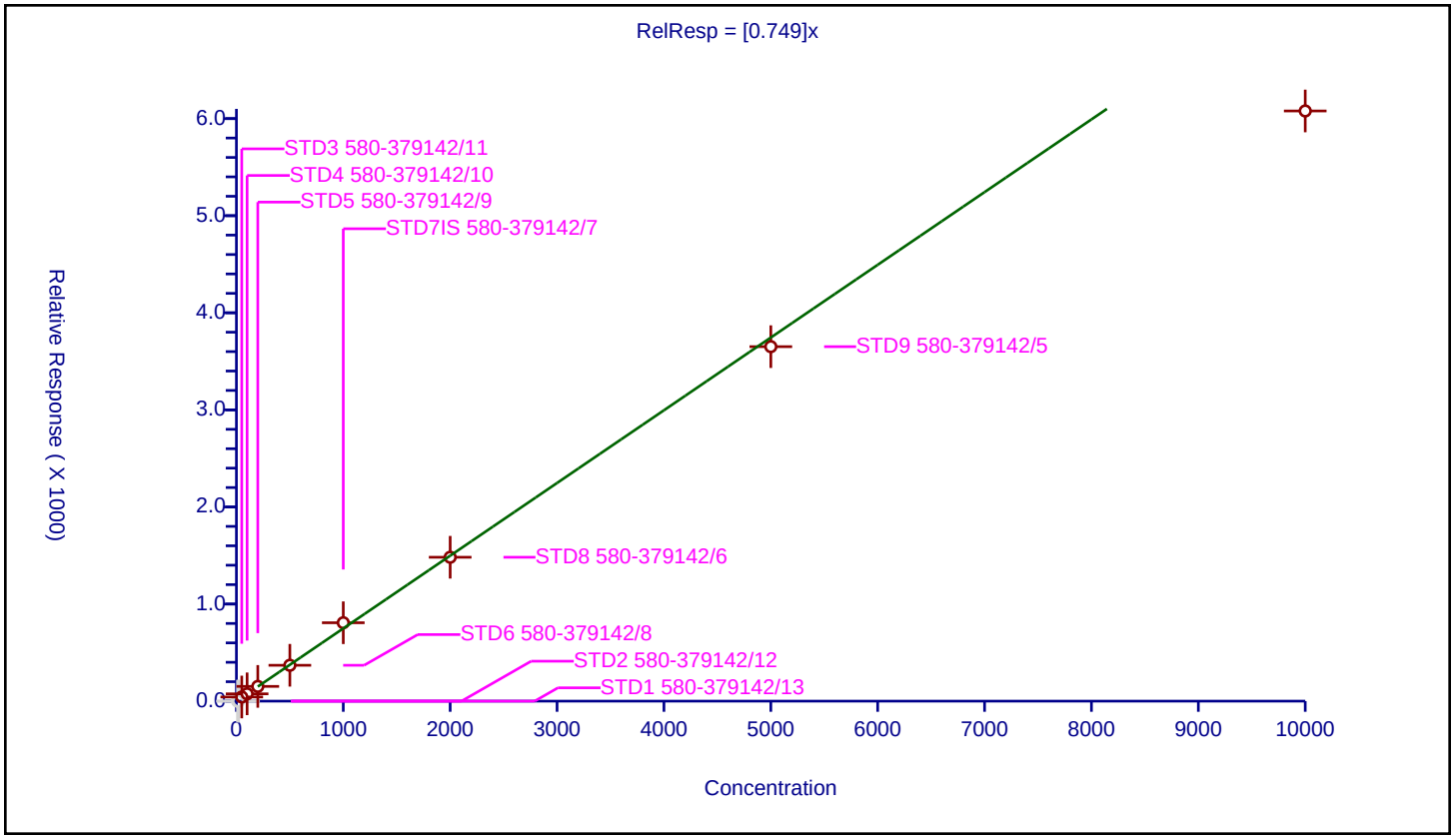
Curve Coefficients

Intercept:	0
Slope:	0.749

Error Coefficients

Standard Error:	2920000
Relative Standard Error:	9.4
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.987

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	50974.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	65799.0	0.0	N
3	STD3 580-379142/11	50.0	42.662712	100.0	75532.0	0.853254	Y
4	STD4 580-379142/10	100.0	75.426671	100.0	82968.0	0.754267	Y
5	STD5 580-379142/9	200.0	151.772347	100.0	90840.0	0.758862	Y
6	STD6 580-379142/8	500.0	369.441095	100.0	99516.0	0.738882	Y
7	STD7IS 580-379142/7	1000.0	807.398606	100.0	94680.0	0.807399	Y
8	STD8 580-379142/6	2000.0	1481.948738	100.0	103195.0	0.740974	Y
9	STD9 580-379142/5	5000.0	3651.107434	100.0	103934.0	0.730221	Y
10	STD10 580-379142/4	10000.0	6078.685309	100.0	107067.0	0.607869	Y



Calibration / Butyl benzyl phthalate

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

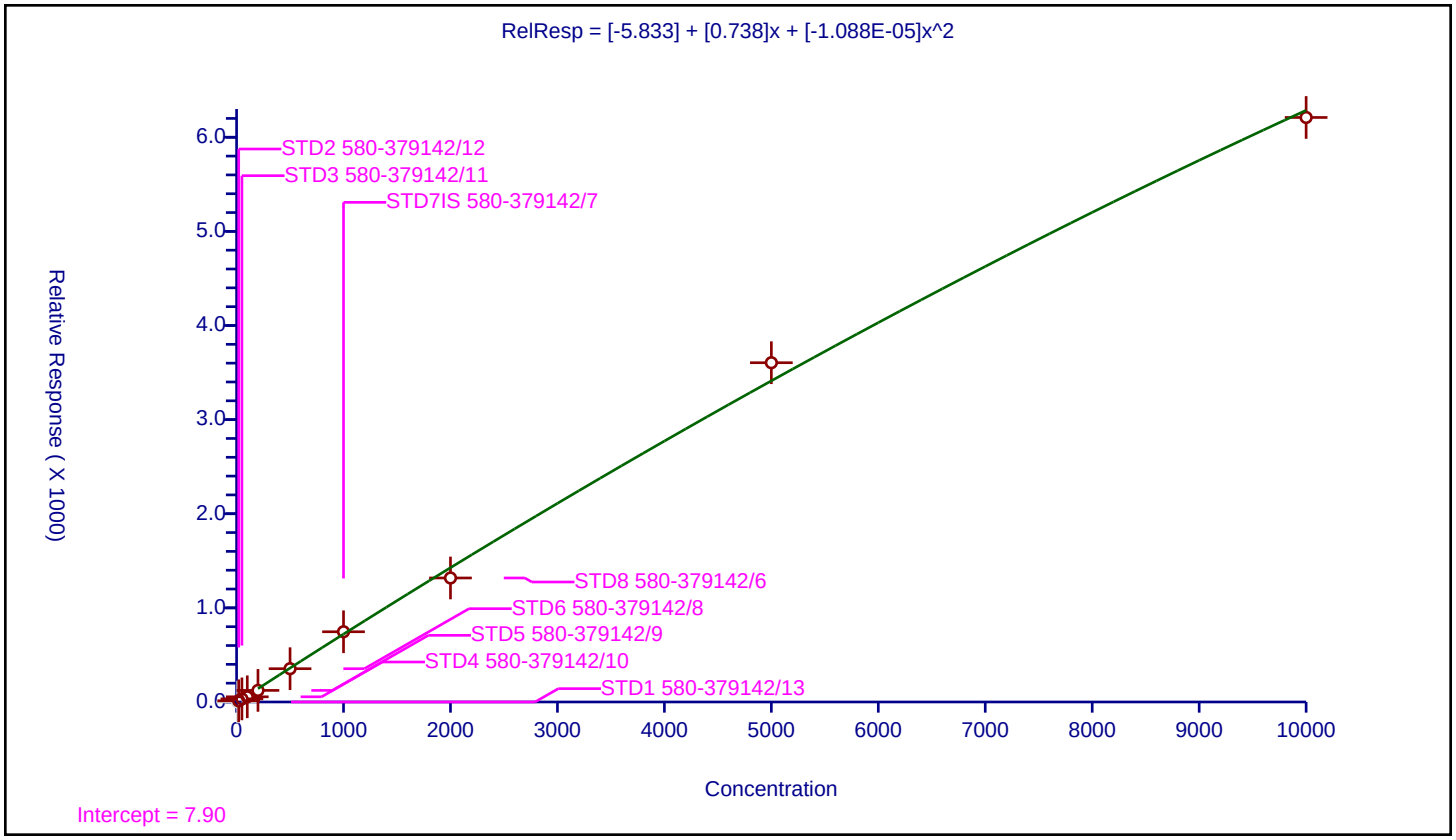
Curve Coefficients

Intercept:	-5.833
Slope:	0.738
Second Order:	-1.088E-05

Error Coefficients

Standard Error:	2670000
Relative Standard Error:	14.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41671.0	0.0	N
2	STD2 580-379142/12	20.0	12.803557	100.0	53079.0	0.640178	Y
3	STD3 580-379142/11	50.0	32.9168	100.0	65781.0	0.658336	Y
4	STD4 580-379142/10	100.0	55.082578	100.0	67633.0	0.550826	Y
5	STD5 580-379142/9	200.0	123.027663	100.0	73238.0	0.615138	Y
6	STD6 580-379142/8	500.0	353.721773	100.0	72049.0	0.707444	Y
7	STD7IS 580-379142/7	1000.0	746.147689	100.0	77460.0	0.746148	Y
8	STD8 580-379142/6	2000.0	1317.462249	100.0	88740.0	0.658731	Y
9	STD9 580-379142/5	5000.0	3604.564417	100.0	85575.0	0.720913	Y
10	STD10 580-379142/4	10000.0	6210.1117	100.0	90331.0	0.621011	Y



Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

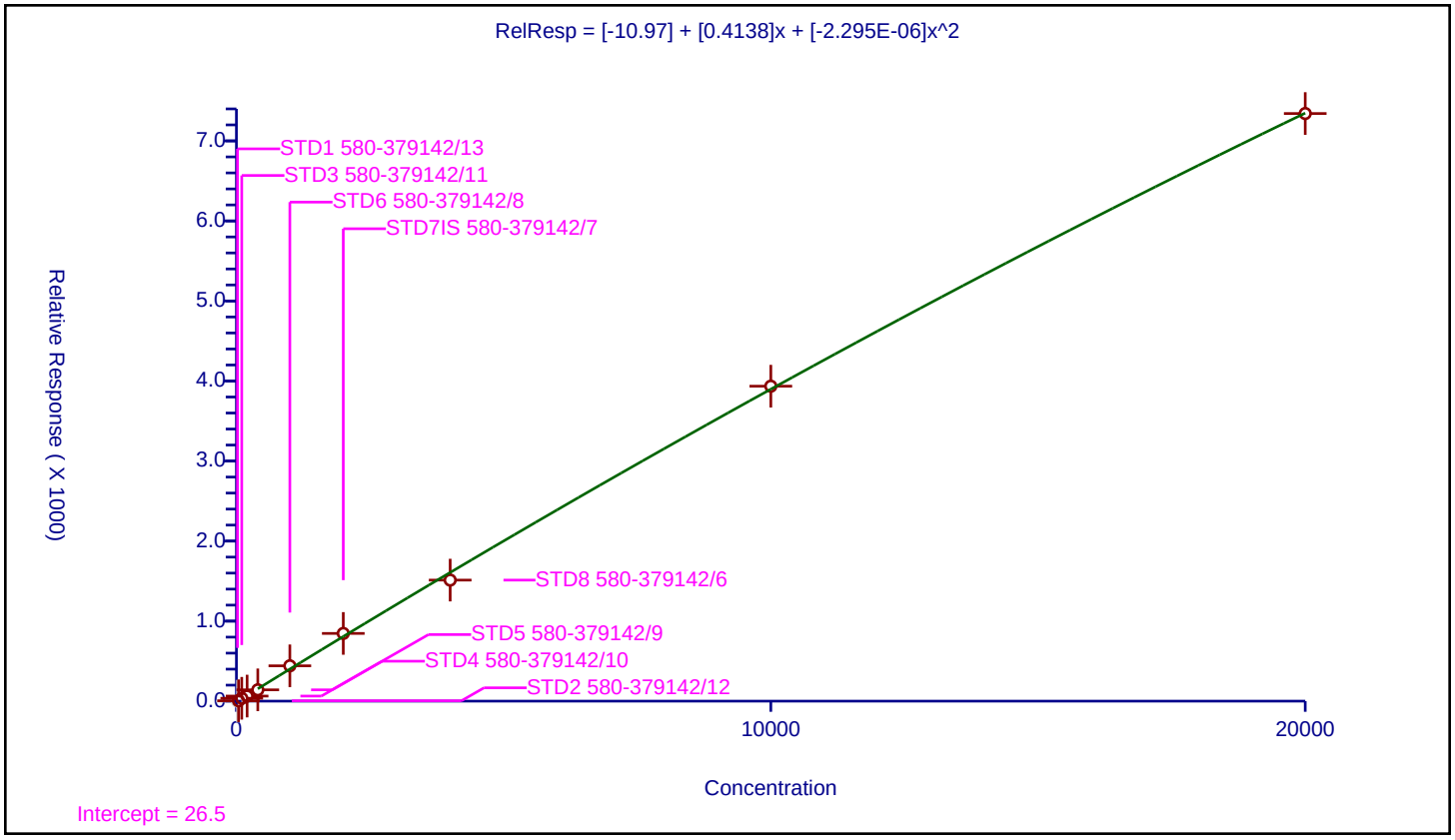
Curve Coefficients

Intercept:	-10.97
Slope:	0.4138
Second Order:	-2.295E-06

Error Coefficients

Standard Error:	3100000
Relative Standard Error:	9.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	0.0	100.0	41671.0	0.0	N
2	STD2 580-379142/12	40.0	4.777784	100.0	53079.0	0.119445	Y
3	STD3 580-379142/11	100.0	35.718521	100.0	65781.0	0.357185	Y
4	STD4 580-379142/10	200.0	63.508938	100.0	67633.0	0.317545	Y
5	STD5 580-379142/9	400.0	141.378792	100.0	73238.0	0.353447	Y
6	STD6 580-379142/8	1000.0	441.518966	100.0	72049.0	0.441519	Y
7	STD7IS 580-379142/7	2000.0	846.054738	100.0	77460.0	0.423027	Y
8	STD8 580-379142/6	4000.0	1512.412666	100.0	88740.0	0.378103	Y
9	STD9 580-379142/5	10000.0	3935.21005	100.0	85575.0	0.393521	Y
10	STD10 580-379142/4	20000.0	7342.255704	100.0	90331.0	0.367113	Y



Calibration / Benzo[a]anthracene

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

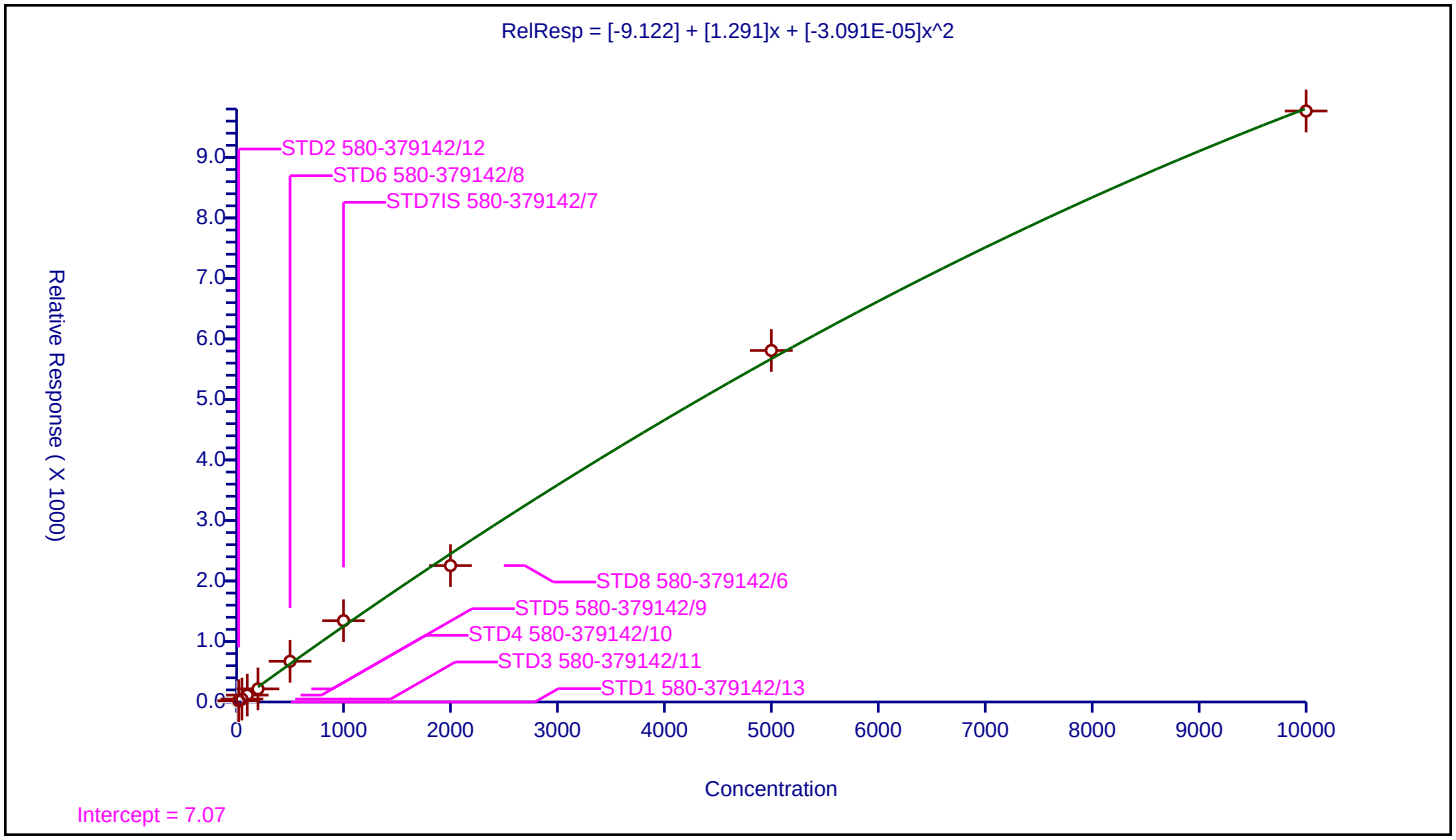
Curve Coefficients

Intercept:	-9.122
Slope:	1.291
Second Order:	-3.091E-05

Error Coefficients

Standard Error:	4240000
Relative Standard Error:	12.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41671.0	0.0	N
2	STD2 580-379142/12	20.0	21.720454	100.0	53079.0	1.086023	Y
3	STD3 580-379142/11	50.0	48.098995	100.0	65781.0	0.96198	Y
4	STD4 580-379142/10	100.0	113.793562	100.0	67633.0	1.137936	Y
5	STD5 580-379142/9	200.0	216.647096	100.0	73238.0	1.083235	Y
6	STD6 580-379142/8	500.0	672.710239	100.0	72049.0	1.34542	Y
7	STD7IS 580-379142/7	1000.0	1343.520527	100.0	77460.0	1.343521	Y
8	STD8 580-379142/6	2000.0	2254.334009	100.0	88740.0	1.127167	Y
9	STD9 580-379142/5	5000.0	5809.453696	100.0	85575.0	1.161891	Y
10	STD10 580-379142/4	10000.0	9766.9759	100.0	90331.0	0.976698	Y



Calibration / Chrysene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

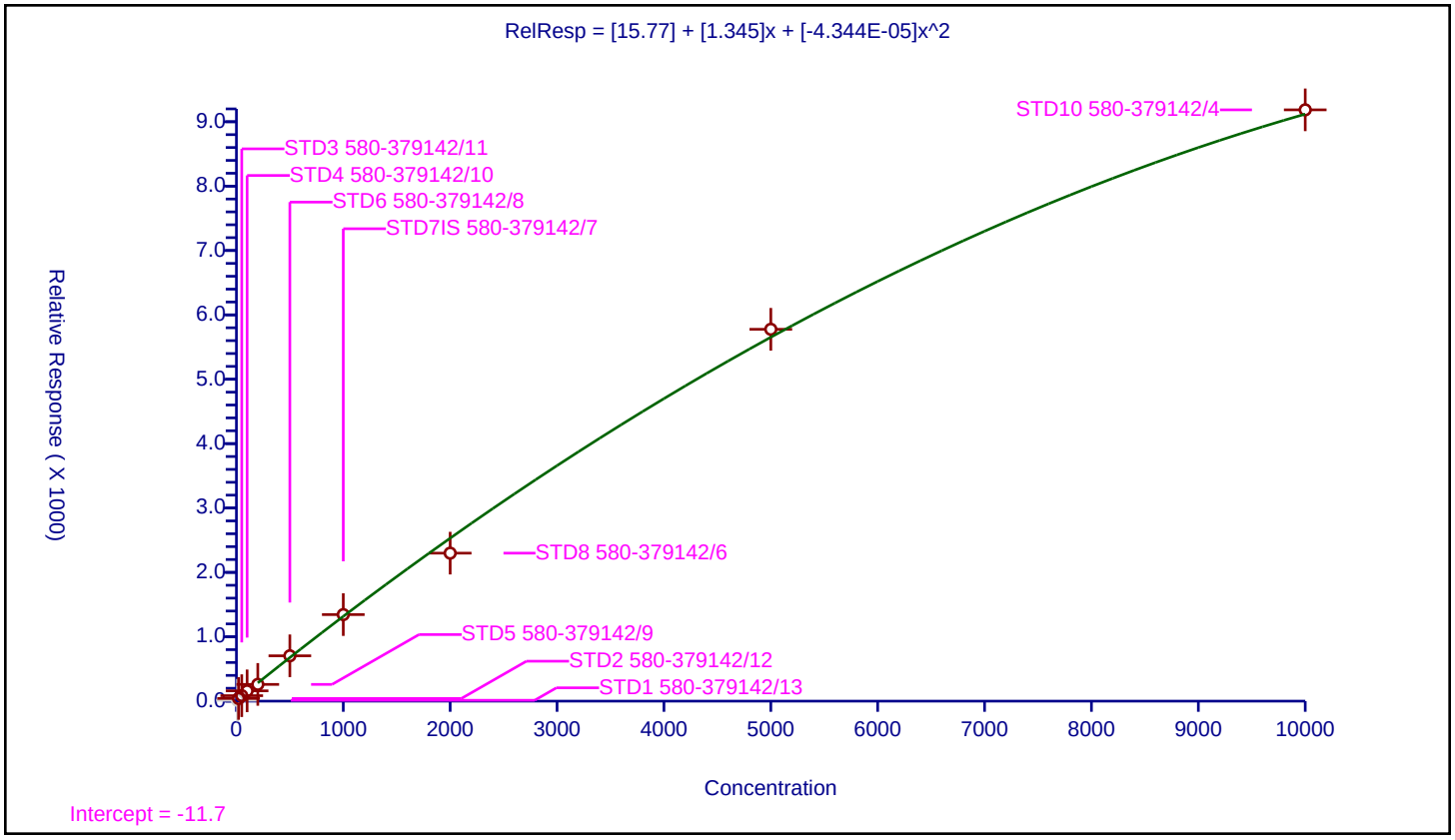
Curve Coefficients

Intercept:	15.77
Slope:	1.345
Second Order:	-4.344E-05

Error Coefficients

Standard Error:	4050000
Relative Standard Error:	6.8
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	13.402606	100.0	41671.0	1.340261	N
2	STD2 580-379142/12	20.0	42.073136	100.0	53079.0	2.103657	Y
3	STD3 580-379142/11	50.0	85.144647	100.0	65781.0	1.702893	Y
4	STD4 580-379142/10	100.0	159.932282	100.0	67633.0	1.599323	Y
5	STD5 580-379142/9	200.0	260.142276	100.0	73238.0	1.300711	Y
6	STD6 580-379142/8	500.0	704.24017	100.0	72049.0	1.40848	Y
7	STD7IS 580-379142/7	1000.0	1344.337723	100.0	77460.0	1.344338	Y
8	STD8 580-379142/6	2000.0	2298.975659	100.0	88740.0	1.149488	Y
9	STD9 580-379142/5	5000.0	5776.269939	100.0	85575.0	1.155254	Y
10	STD10 580-379142/4	10000.0	9185.233198	100.0	90331.0	0.918523	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

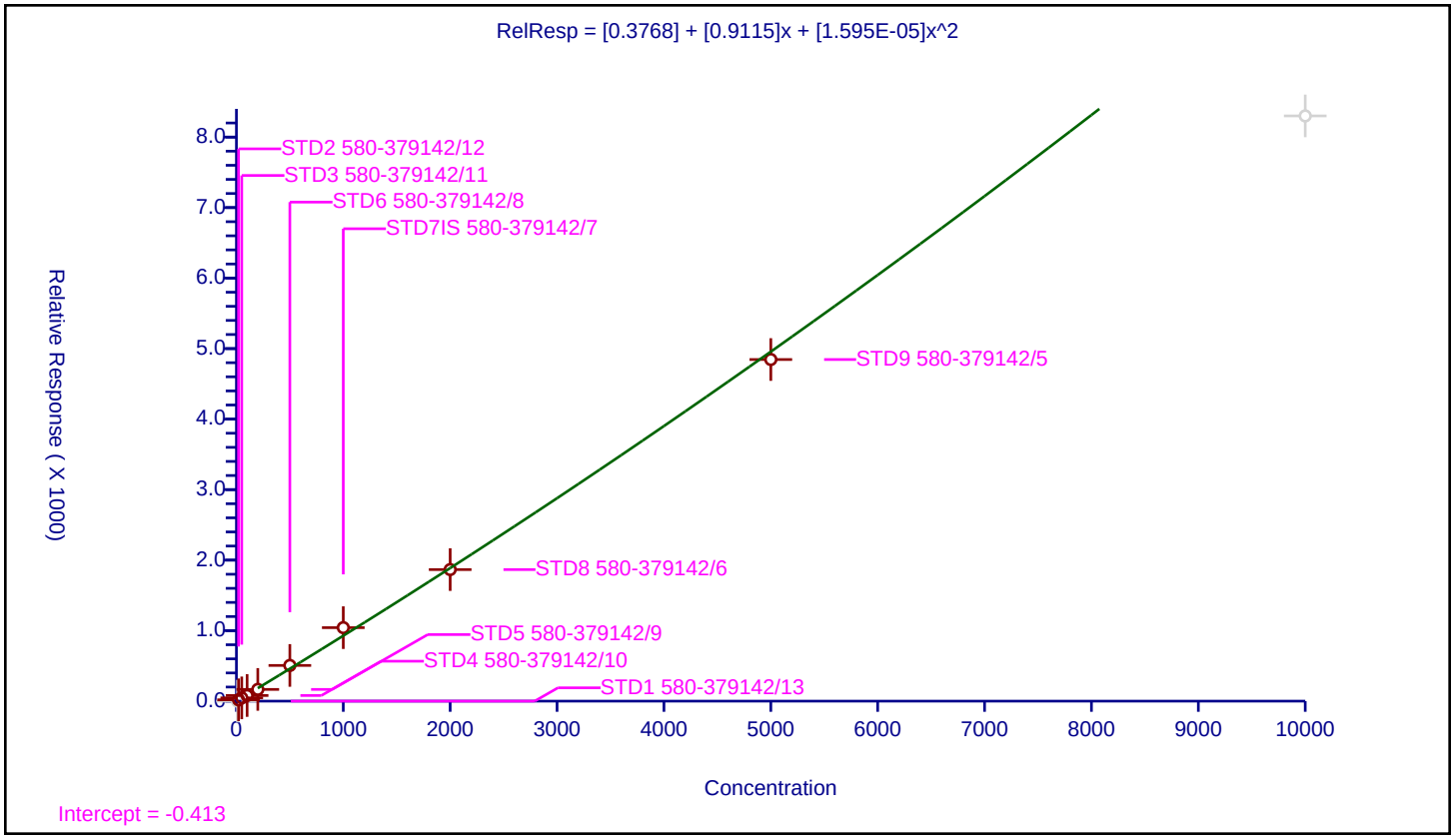
Curve Coefficients

Intercept:	0.3768
Slope:	0.9115
Second Order:	1.595E-05

Error Coefficients

Standard Error:	2030000
Relative Standard Error:	10.1
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	41671.0	0.0	N
2	STD2 580-379142/12	20.0	19.11302	100.0	53079.0	0.955651	Y
3	STD3 580-379142/11	50.0	46.12122	100.0	65781.0	0.922424	Y
4	STD4 580-379142/10	100.0	80.057073	100.0	67633.0	0.800571	Y
5	STD5 580-379142/9	200.0	166.2798	100.0	73238.0	0.831399	Y
6	STD6 580-379142/8	500.0	506.236034	100.0	72049.0	1.012472	Y
7	STD7IS 580-379142/7	1000.0	1042.501936	100.0	77460.0	1.042502	Y
8	STD8 580-379142/6	2000.0	1866.061528	100.0	88740.0	0.933031	Y
9	STD9 580-379142/5	5000.0	4845.169734	100.0	85575.0	0.969034	Y
10	STD10 580-379142/4	10000.0	8300.425103	100.0	90331.0	0.830043	N



Calibration / Di-n-octyl phthalate

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

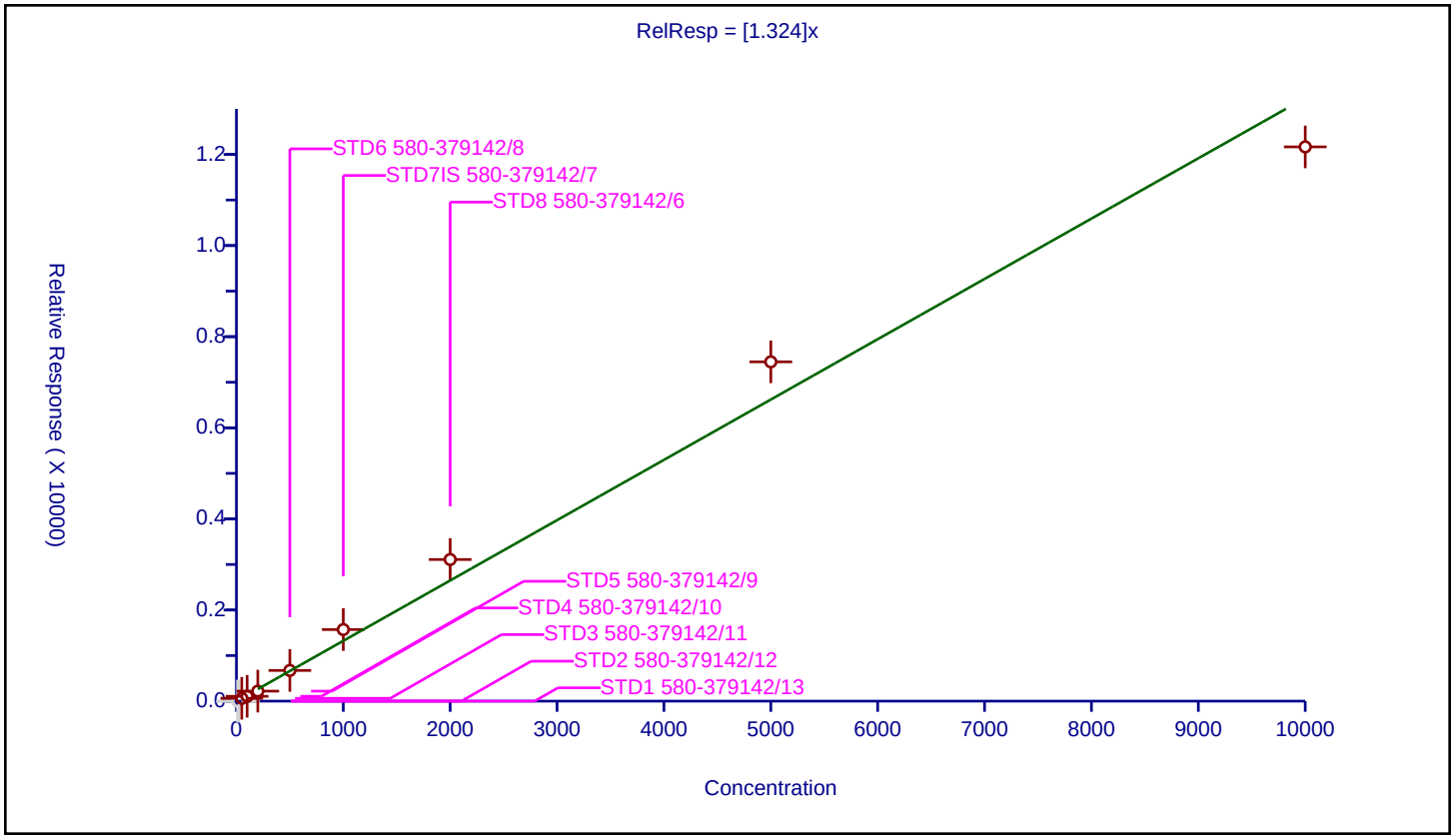
Curve Coefficients

Intercept:	0
Slope:	1.324

Error Coefficients

Standard Error:	5380000
Relative Standard Error:	15.0
Correlation Coefficient:	0.994
Coefficient of Determination (Adjusted):	0.973

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	53713.0	0.0	N
2	STD2 580-379142/12	20.0	0.0	100.0	55387.0	0.0	N
3	STD3 580-379142/11	50.0	62.538691	100.0	68492.0	1.250774	Y
4	STD4 580-379142/10	100.0	106.302638	100.0	75635.0	1.063026	Y
5	STD5 580-379142/9	200.0	219.783519	100.0	75942.0	1.098918	Y
6	STD6 580-379142/8	500.0	673.791935	100.0	83791.0	1.347584	Y
7	STD7IS 580-379142/7	1000.0	1571.002398	100.0	82562.0	1.571002	Y
8	STD8 580-379142/6	2000.0	3108.672872	100.0	87987.0	1.554336	Y
9	STD9 580-379142/5	5000.0	7447.928546	100.0	93823.0	1.489586	Y
10	STD10 580-379142/4	10000.0	12166.362837	100.0	98959.0	1.216636	Y



Calibration / Benzo[b]fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

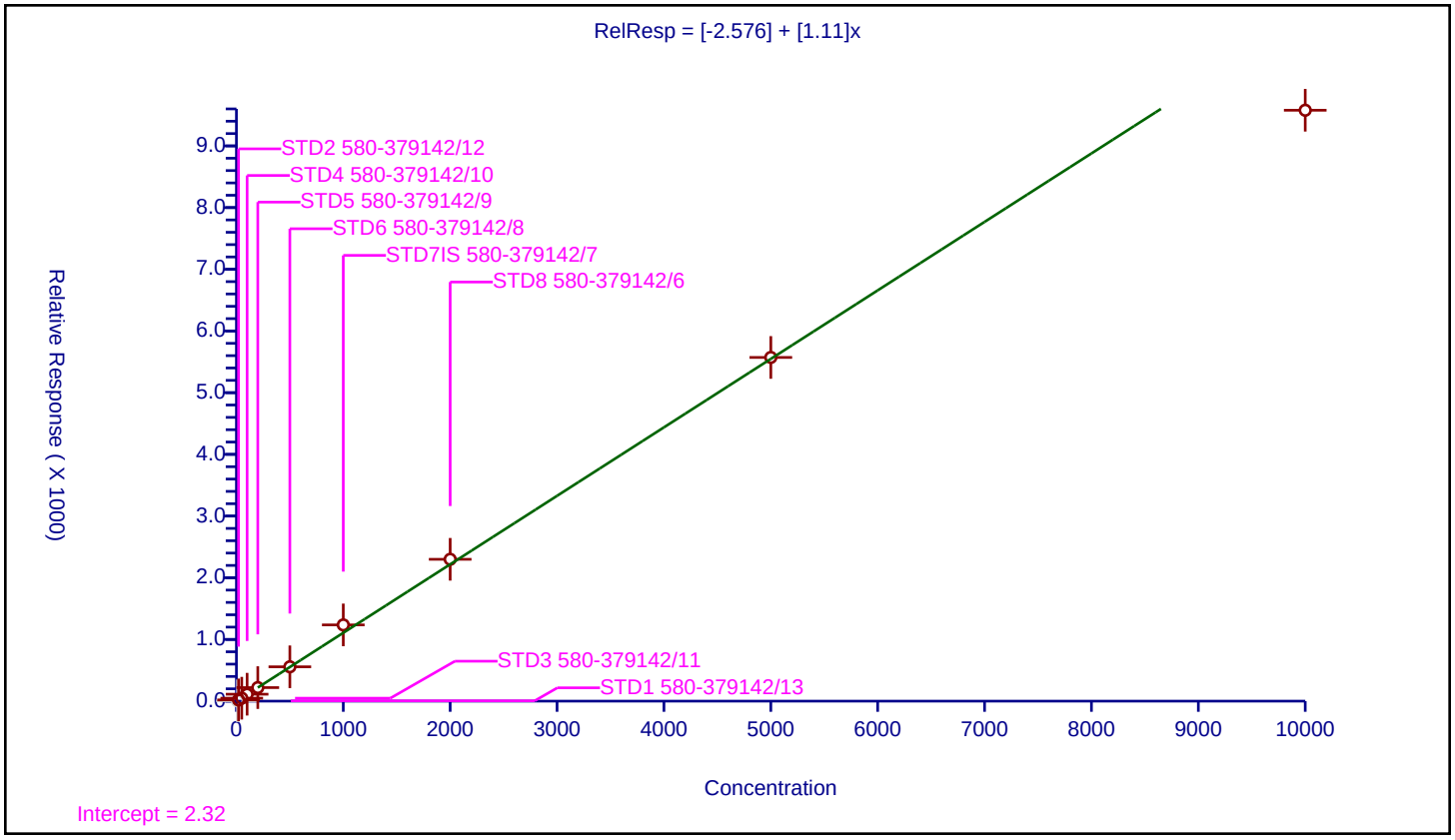
Curve Coefficients

Intercept:	-2.576
Slope:	1.11

Error Coefficients

Standard Error:	4180000
Relative Standard Error:	7.9
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	5.266881	100.0	53713.0	0.526688	N
2	STD2 580-379142/12	20.0	20.212324	100.0	55387.0	1.010616	Y
3	STD3 580-379142/11	50.0	47.827484	100.0	68492.0	0.95655	Y
4	STD4 580-379142/10	100.0	112.63304	100.0	75635.0	1.12633	Y
5	STD5 580-379142/9	200.0	219.62682	100.0	75942.0	1.098134	Y
6	STD6 580-379142/8	500.0	556.623026	100.0	83791.0	1.113246	Y
7	STD7IS 580-379142/7	1000.0	1235.716189	100.0	82562.0	1.235716	Y
8	STD8 580-379142/6	2000.0	2299.10555	100.0	87987.0	1.149553	Y
9	STD9 580-379142/5	5000.0	5571.283161	100.0	93823.0	1.114257	Y
10	STD10 580-379142/4	10000.0	9578.023222	100.0	98959.0	0.957802	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

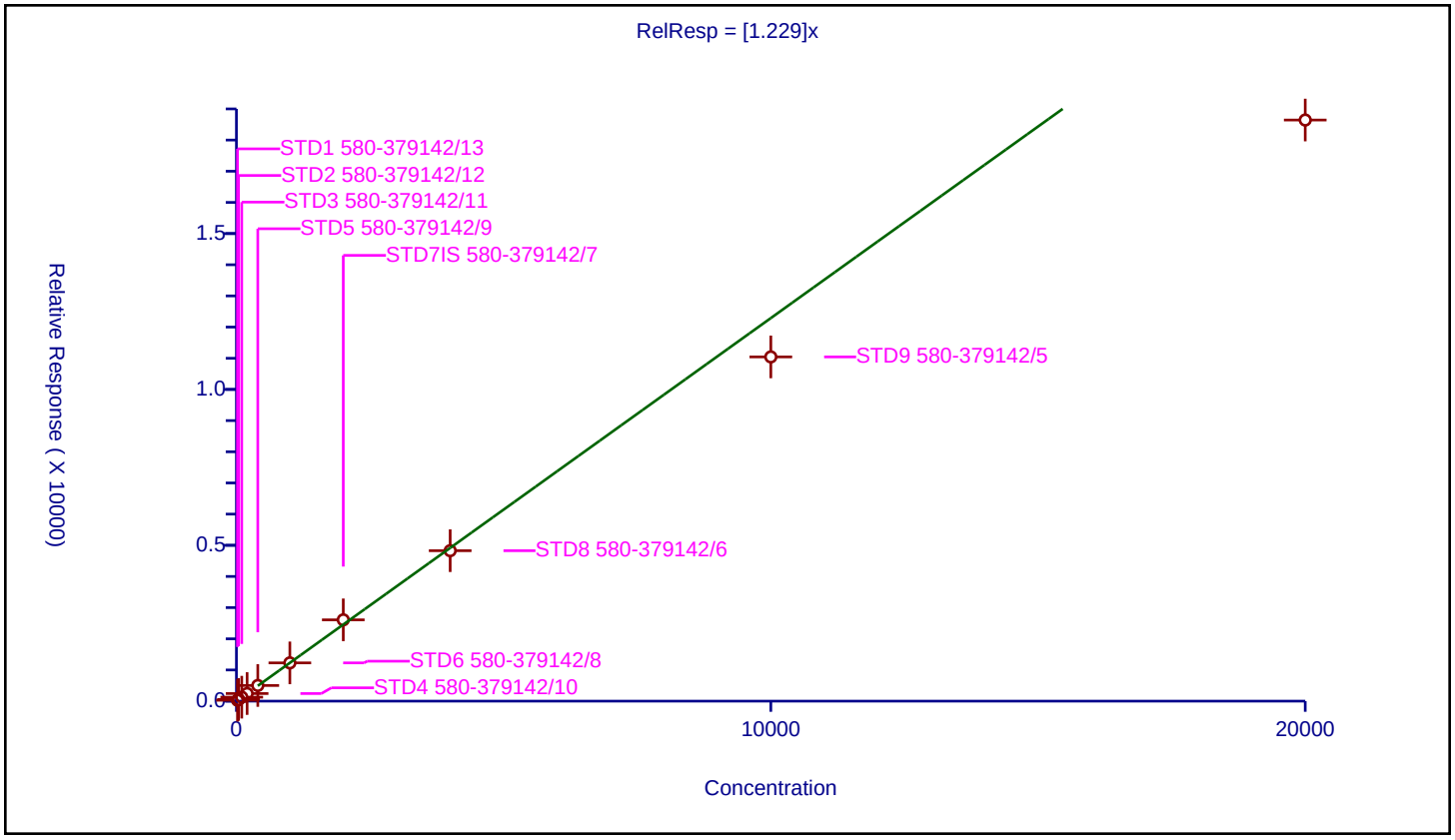
Curve Coefficients

Intercept:	0
Slope:	1.229

Error Coefficients

Standard Error:	7230000
Relative Standard Error:	10.9
Correlation Coefficient:	0.997
Coefficient of Determination (Adjusted):	0.984

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	20.0	28.233389	100.0	53713.0	1.411669	Y
2	STD2 580-379142/12	40.0	54.176973	100.0	55387.0	1.354424	Y
3	STD3 580-379142/11	100.0	127.103895	100.0	68492.0	1.271039	Y
4	STD4 580-379142/10	200.0	244.261255	100.0	75635.0	1.221306	Y
5	STD5 580-379142/9	400.0	502.371547	100.0	75942.0	1.255929	Y
6	STD6 580-379142/8	1000.0	1227.080474	100.0	83791.0	1.22708	Y
7	STD7IS 580-379142/7	2000.0	2608.247135	100.0	82562.0	1.304124	Y
8	STD8 580-379142/6	4000.0	4826.437997	100.0	87987.0	1.206609	Y
9	STD9 580-379142/5	10000.0	11043.410464	100.0	93823.0	1.104341	Y
10	STD10 580-379142/4	20000.0	18642.838954	100.0	98959.0	0.932142	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

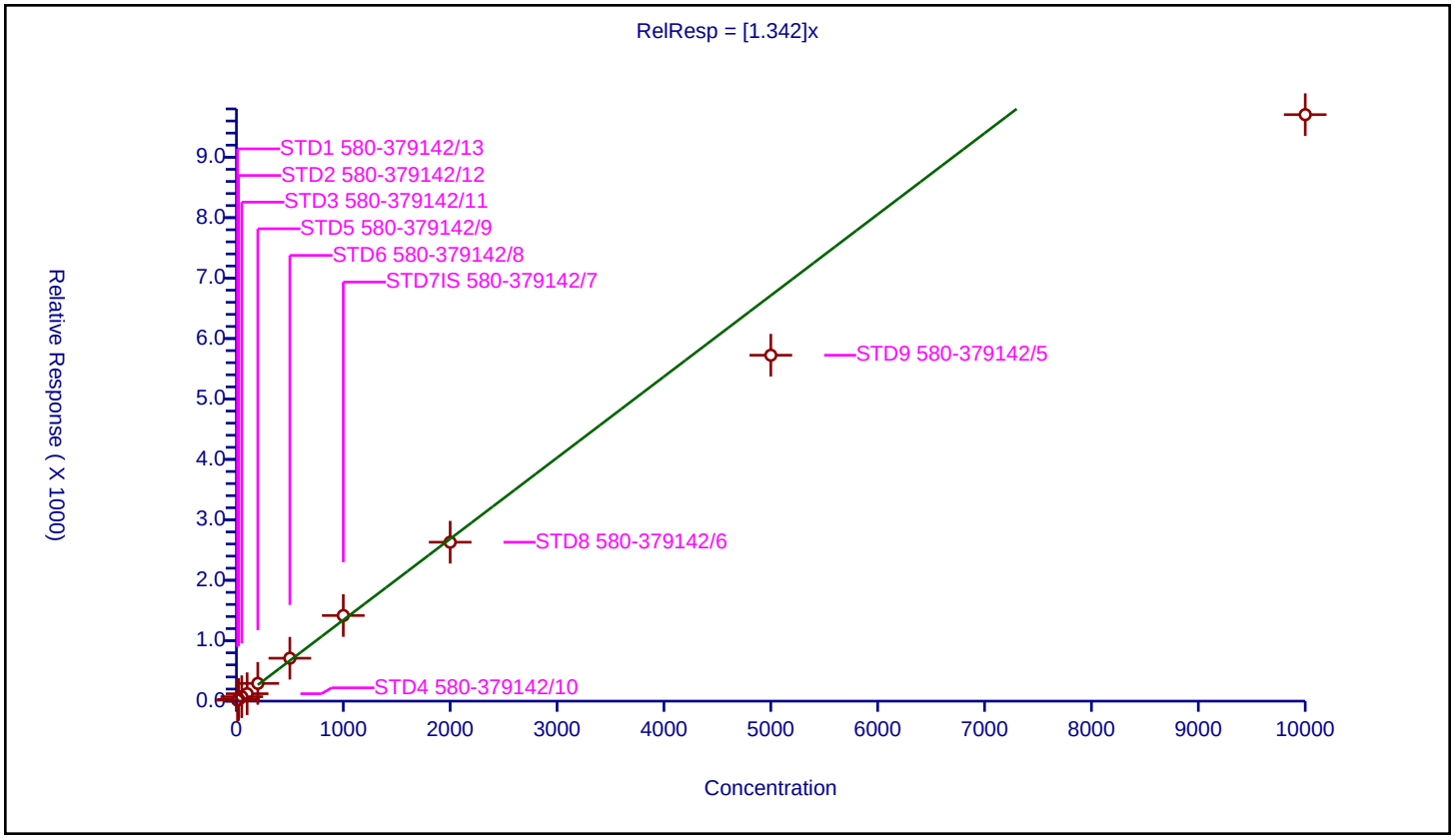
Curve Coefficients

Intercept:	0
Slope:	1.342

Error Coefficients

Standard Error:	3770000
Relative Standard Error:	14.0
Correlation Coefficient:	0.996
Coefficient of Determination (Adjusted):	0.974

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	16.294007	100.0	53713.0	1.629401	Y
2	STD2 580-379142/12	20.0	27.338545	100.0	55387.0	1.366927	Y
3	STD3 580-379142/11	50.0	73.329732	100.0	68492.0	1.466595	Y
4	STD4 580-379142/10	100.0	122.710385	100.0	75635.0	1.227104	Y
5	STD5 580-379142/9	200.0	293.359406	100.0	75942.0	1.466797	Y
6	STD6 580-379142/8	500.0	710.156222	100.0	83791.0	1.420312	Y
7	STD7IS 580-379142/7	1000.0	1417.098665	100.0	82562.0	1.417099	Y
8	STD8 580-379142/6	2000.0	2629.951015	100.0	87987.0	1.314976	Y
9	STD9 580-379142/5	5000.0	5724.219008	100.0	93823.0	1.144844	Y
10	STD10 580-379142/4	10000.0	9705.01824	100.0	98959.0	0.970502	Y



Calibration / Benzo[a]pyrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

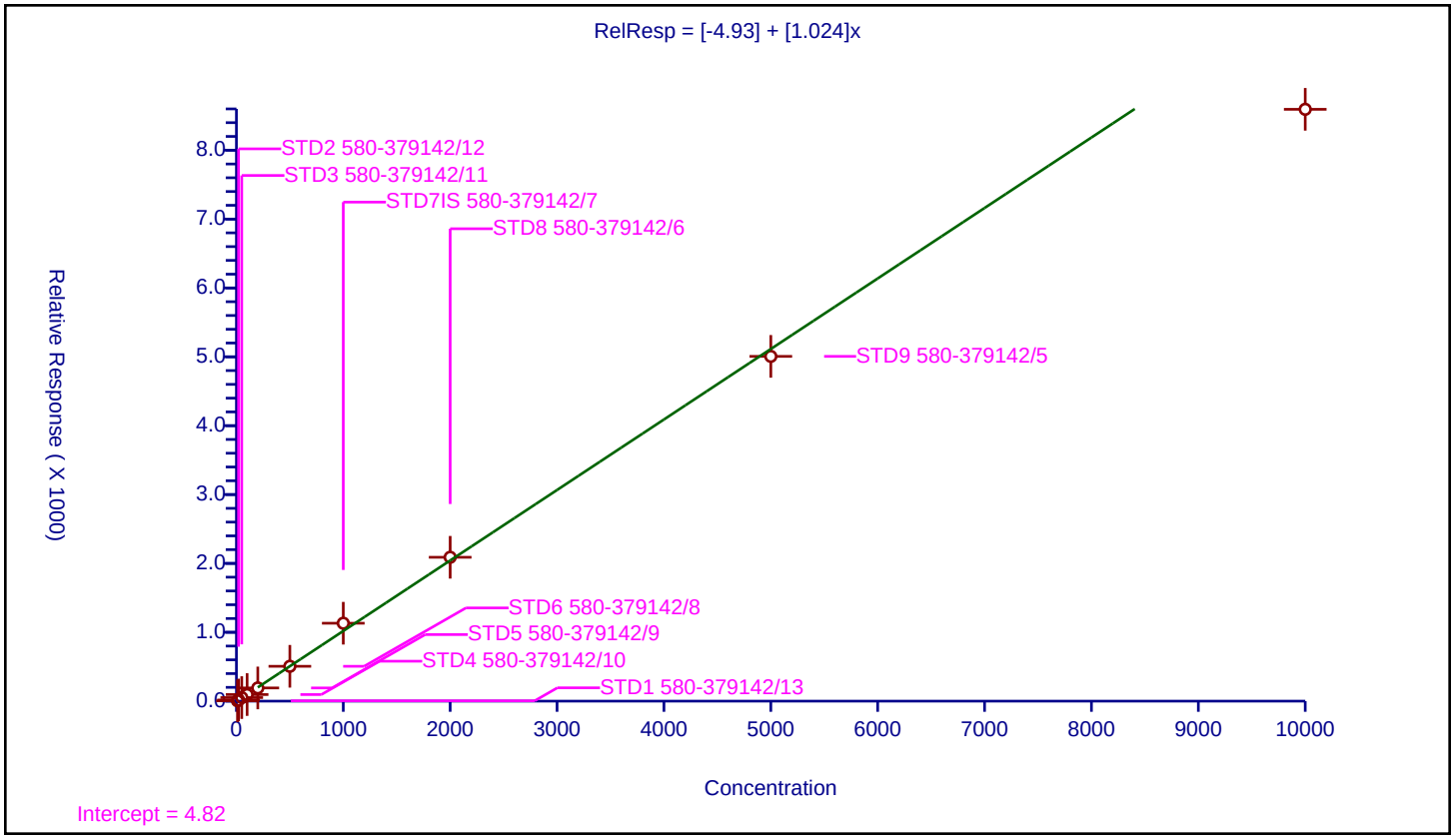
Curve Coefficients

Intercept:	-4.93
Slope:	1.024

Error Coefficients

Standard Error:	3510000
Relative Standard Error:	8.3
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.993

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	4.915011	100.0	53713.0	0.491501	Y
2	STD2 580-379142/12	20.0	16.370267	100.0	55387.0	0.818513	Y
3	STD3 580-379142/11	50.0	51.584127	100.0	68492.0	1.031683	Y
4	STD4 580-379142/10	100.0	95.634296	100.0	75635.0	0.956343	Y
5	STD5 580-379142/9	200.0	191.816123	100.0	75942.0	0.959081	Y
6	STD6 580-379142/8	500.0	506.124763	100.0	83791.0	1.01225	Y
7	STD7IS 580-379142/7	1000.0	1131.617451	100.0	82562.0	1.131617	Y
8	STD8 580-379142/6	2000.0	2089.057474	100.0	87987.0	1.044529	Y
9	STD9 580-379142/5	5000.0	5006.114705	100.0	93823.0	1.001223	Y
10	STD10 580-379142/4	10000.0	8593.954062	100.0	98959.0	0.859395	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Linear
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

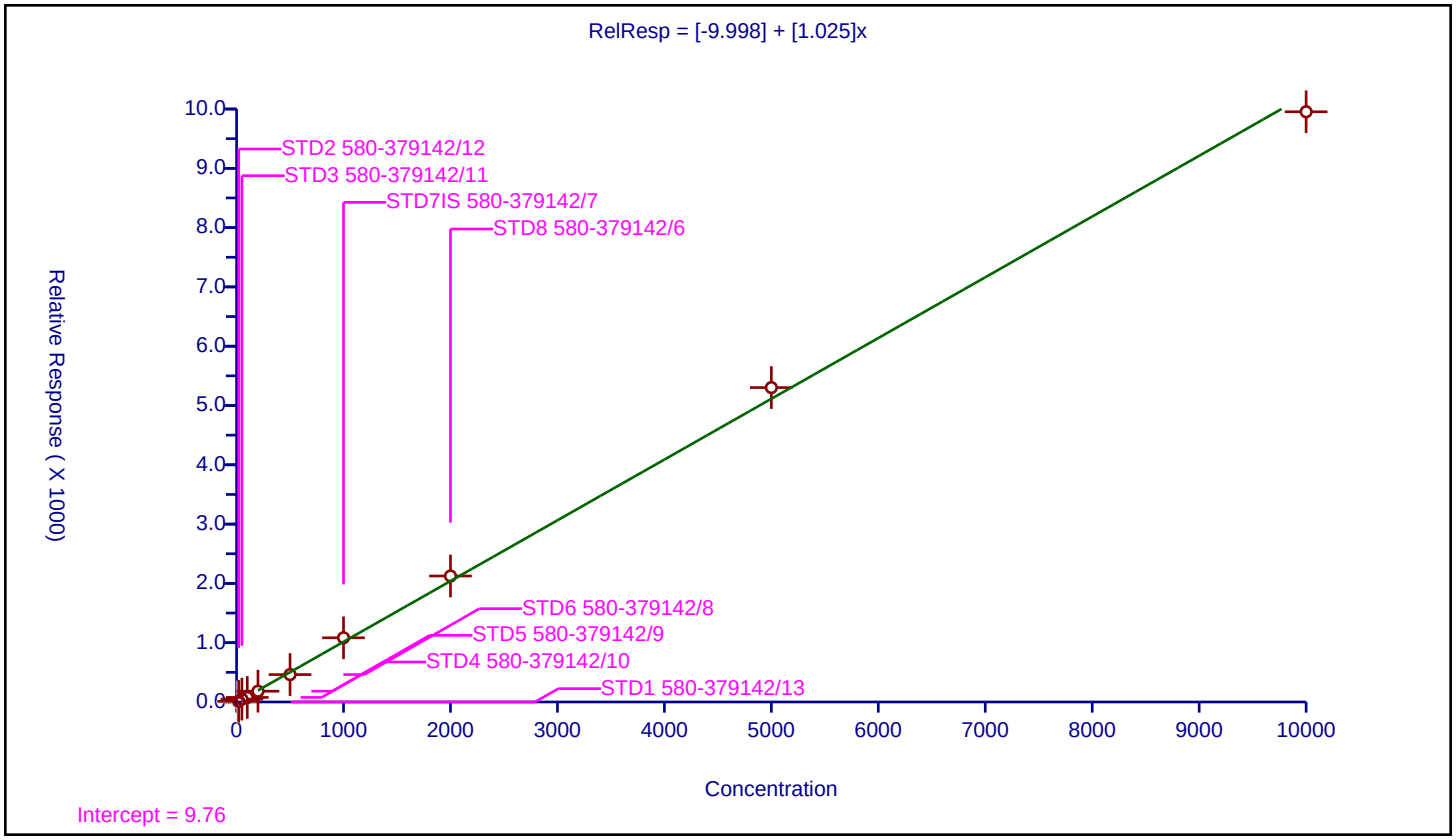
Curve Coefficients

Intercept:	-9.998
Slope:	1.025

Error Coefficients

Standard Error:	4240000
Relative Standard Error:	9.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	0.0	100.0	53713.0	0.0	N
2	STD2 580-379142/12	20.0	11.248127	100.0	55387.0	0.562406	Y
3	STD3 580-379142/11	50.0	48.360392	100.0	68492.0	0.967208	Y
4	STD4 580-379142/10	100.0	76.952469	100.0	75635.0	0.769525	Y
5	STD5 580-379142/9	200.0	181.865108	100.0	75942.0	0.909326	Y
6	STD6 580-379142/8	500.0	461.974436	100.0	83791.0	0.923949	Y
7	STD7IS 580-379142/7	1000.0	1082.734188	100.0	82562.0	1.082734	Y
8	STD8 580-379142/6	2000.0	2124.821849	100.0	87987.0	1.062411	Y
9	STD9 580-379142/5	5000.0	5302.170044	100.0	93823.0	1.060434	Y
10	STD10 580-379142/4	10000.0	9953.704059	100.0	98959.0	0.99537	Y



Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

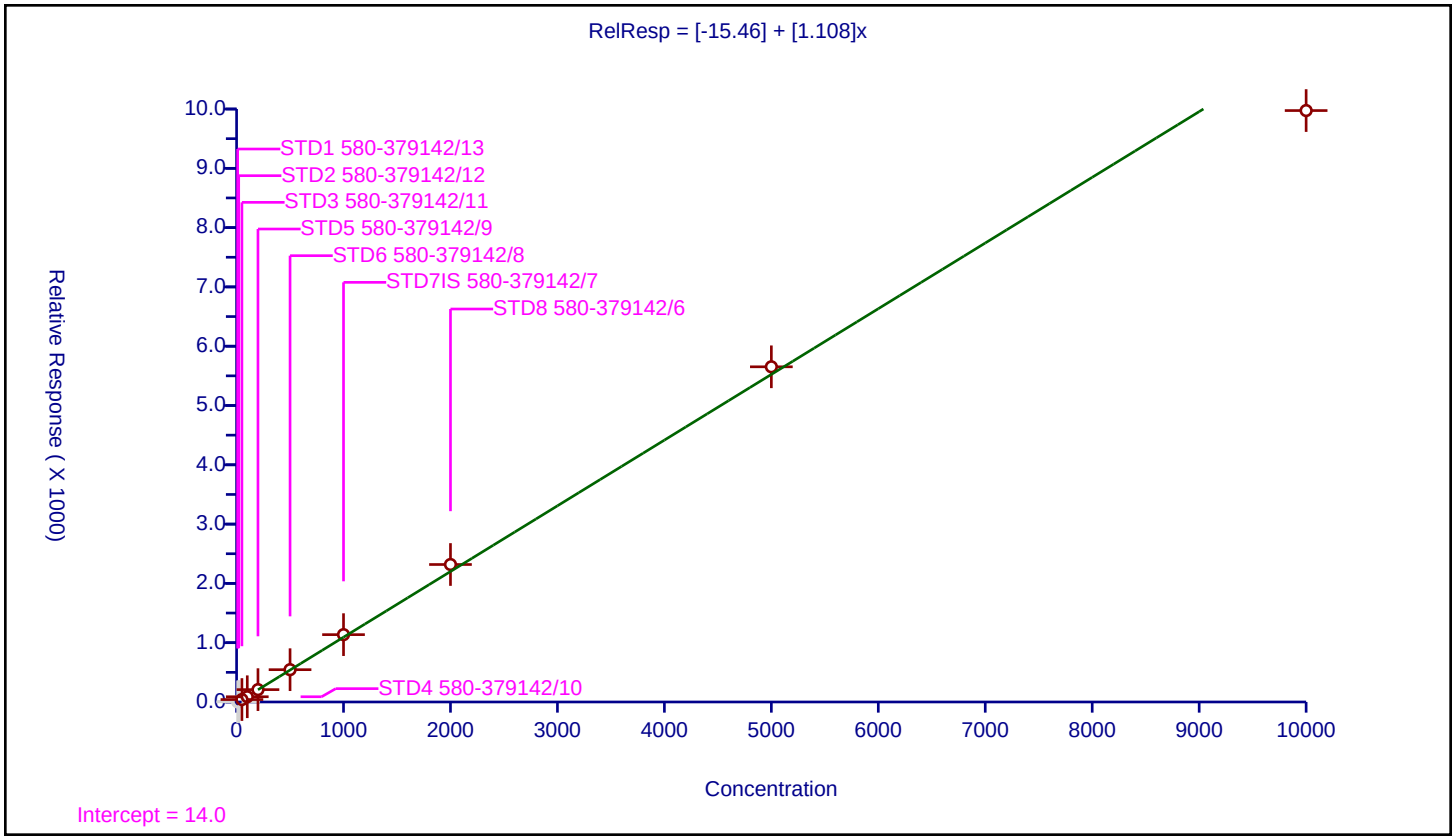
Curve Coefficients

Intercept:	-15.46
Slope:	1.108

Error Coefficients

Standard Error:	4660000
Relative Standard Error:	5.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	2.157764	100.0	53713.0	0.215776	N
2	STD2 580-379142/12	20.0	7.532453	100.0	55387.0	0.376623	N
3	STD3 580-379142/11	50.0	41.346435	100.0	68492.0	0.826929	Y
4	STD4 580-379142/10	100.0	88.195941	100.0	75635.0	0.881959	Y
5	STD5 580-379142/9	200.0	208.316873	100.0	75942.0	1.041584	Y
6	STD6 580-379142/8	500.0	544.957096	100.0	83791.0	1.089914	Y
7	STD7IS 580-379142/7	1000.0	1135.953586	100.0	82562.0	1.135954	Y
8	STD8 580-379142/6	2000.0	2318.434541	100.0	87987.0	1.159217	Y
9	STD9 580-379142/5	5000.0	5652.803684	100.0	93823.0	1.130561	Y
10	STD10 580-379142/4	10000.0	9974.033691	100.0	98959.0	0.997403	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

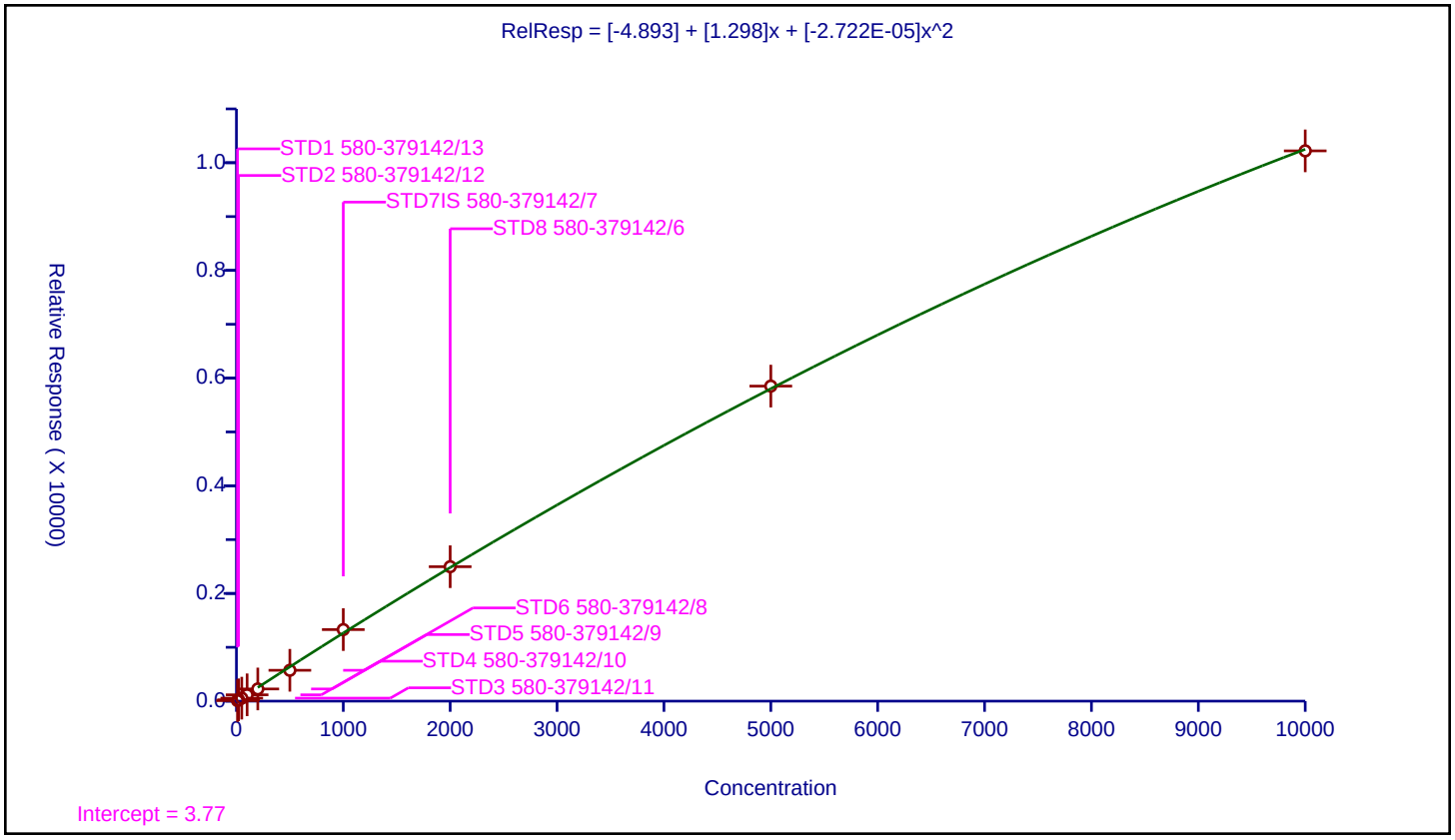
Curve Coefficients

Intercept:	-4.893
Slope:	1.298
Second Order:	-2.722E-05

Error Coefficients

Standard Error:	4450000
Relative Standard Error:	9.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-379142/13	10.0	9.552622	100.0	53713.0	0.955262	Y
2	STD2 580-379142/12	20.0	24.911983	100.0	55387.0	1.245599	Y
3	STD3 580-379142/11	50.0	55.740816	100.0	68492.0	1.114816	Y
4	STD4 580-379142/10	100.0	117.602962	100.0	75635.0	1.17603	Y
5	STD5 580-379142/9	200.0	226.385926	100.0	75942.0	1.13193	Y
6	STD6 580-379142/8	500.0	572.856273	100.0	83791.0	1.145713	Y
7	STD7IS 580-379142/7	1000.0	1329.06543	100.0	82562.0	1.329065	Y
8	STD8 580-379142/6	2000.0	2496.800664	100.0	87987.0	1.2484	Y
9	STD9 580-379142/5	5000.0	5851.337092	100.0	93823.0	1.170267	Y
10	STD10 580-379142/4	10000.0	10220.299316	100.0	98959.0	1.02203	Y



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: ICV 580-379142/15 | Calibration Date: 01/24/2022 21:17

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 0124A21_.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.4106	0.0100	998	1000	-0.2	20.0
Pyridine	Lin2		0.6218	0.0100	1720	2000	-14.1	20.0
Phenol	Ave	1.004	1.033	0.8000	1030	1000	2.8	20.0
Aniline	Lin1		1.160	0.0100	925	1000	-7.5	20.0
Bis(2-chloroethyl)ether	Ave	0.8637	0.8062	0.7000	933	1000	-6.7	20.0
2-Chlorophenol	Ave	1.210	1.153	0.8000	953	1000	-4.7	20.0
n-Decane	Ave	0.7898	0.7097		899	1000	-10.1	20.0
1,3-Dichlorobenzene	Ave	1.441	1.344	0.0100	932	1000	-6.8	20.0
1,4-Dichlorobenzene	Ave	1.565	1.388	0.0100	887	1000	-11.3	20.0
Benzyl alcohol	Lin2		0.5845	0.0100	954	1000	-4.6	20.0
1,2-Dichlorobenzene	Ave	1.465	1.352	0.0100	923	1000	-7.7	20.0
o-Cresol	Ave	0.8394	0.8377	0.7000	998	1000	-0.2	20.0
bis (2-chloroisopropyl) ether	Ave	0.9704	0.8387	0.0100	864	1000	-13.6	20.0
Acetophenone	Ave	1.266	1.210	0.0100	955	1000	-4.5	20.0
m+p-Cresol	Lin2		0.8556	0.6000	978	1000	-2.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.4984	0.4574*	0.5000	918	1000	-8.2	20.0
Hexachloroethane	Ave	0.5675	0.5434	0.3000	958	1000	-4.2	20.0
Nitrobenzene	Lin2		0.8199	0.2000	967	1000	-3.3	20.0
Isophorone	Ave	1.472	1.362	0.4000	925	1000	-7.5	20.0
2-Nitrophenol	Lin2		0.1784	0.1000	1040	1000	3.6	20.0
2,4-Dimethylphenol	Lin1		0.9172	0.2000	922	1000	-7.8	20.0
Benzoic acid	Lin1		0.1664	0.0100	1830	2000	-8.7	20.0
Bis(2-chloroethoxy)methane	Ave	0.9233	0.8560	0.3000	927	1000	-7.3	20.0
2,4-Dichlorophenol	Lin1		0.2753	0.2000	1040	1000	3.9	20.0
1,2,4-Trichlorobenzene	Ave	0.3058	0.3202	0.0100	1050	1000	4.7	20.0
Naphthalene	Qua2		1.025	0.7000	1030	1000	3.3	20.0
4-Chloroaniline	Lin1		0.3539	0.0100	1010	1000	1.1	20.0
2,6-Dichlorophenol	Qua1		0.4805	0.0100	926	1000	-7.4	20.0
Hexachlorobutadiene	Ave	0.1815	0.1848	0.0100	1020	1000	1.8	20.0
4-Chloro-3-methylphenol	Lin2		0.3769	0.2000	971	1000	-2.9	20.0
2-Methylnaphthalene	Ave	0.6515	0.6726	0.4000	1030	1000	3.2	20.0
1-Methylnaphthalene	Ave	0.6188	0.6331	0.0100	1020	1000	2.3	20.0
Hexachlorocyclopentadiene	Ave	0.3528	0.3322	0.0500	942	1000	-5.8	20.0
1,2,4,5-Tetrachlorobenzene	Qua		0.5143		978	1000	-2.2	20.0
2,4,6-Trichlorophenol	Lin2		0.3148	0.2000	981	1000	-1.9	20.0
2,4,5-Trichlorophenol	Lin1		0.3233	0.2000	887	1000	-11.3	20.0
1,1'-Biphenyl	Ave	1.451	1.405	0.0100	968	1000	-3.2	20.0
2-Chloronaphthalene	Ave	1.139	1.111	0.8000	975	1000	-2.5	20.0
2-Nitroaniline	Qua2		0.3026	0.0100	953	1000	-4.7	20.0
Dimethyl phthalate	Lin1		1.294	0.0100	1100	1000	10.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: ICV 580-379142/15 | Calibration Date: 01/24/2022 21:17

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 0124A21_.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1		0.2866	0.2000	984	1000	-1.6	20.0
Acenaphthylene	Qua2		1.804	0.9000	1070	1000	7.4	20.0
3-Nitroaniline	Lin2		0.2727	0.0100	971	1000	-2.9	20.0
Acenaphthene	Ave	1.170	1.138	0.9000	972	1000	-2.8	20.0
2,4-Dinitrophenol	Lin1		0.1286	0.0100	1770	2000	-11.3	20.0
4-Nitrophenol	Lin1		0.1139	0.0100	1950	2000	-2.5	20.0
2,4-Dinitrotoluene	Lin2		0.3634	0.2000	973	1000	-2.7	20.0
Dibenzofuran	Ave	1.488	1.566	0.8000	1050	1000	5.3	20.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2709	0.0100	1060	1000	5.7	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3148	0.0100	1050	1000	4.9	20.0
Diethyl phthalate	Ave	1.296	1.380	0.0100	1060	1000	6.5	20.0
Fluorene	Ave	1.184	1.290	0.9000	1090	1000	8.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5654	0.4000	1040	1000	3.7	20.0
4-Nitroaniline	Lin1		0.2292	0.0100	869	1000	-13.1	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1205	0.0100	2010	2000	0.7	20.0
N-Nitrosodiphenylamine	Ave	0.5309	0.6282	0.0100	1180	1000	18.3	20.0
Azobenzene	Lin2		0.6396		1160	1000	15.9	20.0
4-Bromophenyl phenyl ether	Qua2		0.2262	0.1000	1020	1000	2.3	20.0
Hexachlorobenzene	Ave	0.2584	0.2706	0.1000	1050	1000	4.7	20.0
Atrazine	Lin2		0.3249	0.0100	970	1000	-3.0	20.0
Pentachlorophenol	Lin2		0.1556	0.0500	2180	2000	9.1	20.0
n-Octadecane	Qua1		0.3053		966	1000	-3.4	20.0
Phenanthrene	Qua2		1.207	0.7000	1080	1000	7.7	20.0
Anthracene	Qua1		1.239	0.7000	1070	1000	6.5	20.0
Carbazole	Qua1		0.9641	0.0100	1080	1000	8.0	20.0
Di-n-butyl phthalate	Qua1		1.520	0.0100	1080	1000	7.9	20.0
Fluoranthene	Qua1		1.300	0.6000	1090	1000	9.1	20.0
Benzidine	Lin1		0.3015	0.0100	2130	2000	6.6	20.0
Pyrene	Qua1		1.374	0.6000	1120	1000	12.3	20.0
Butyl benzyl phthalate	Qua1		0.7470	0.0100	1040	1000	3.6	20.0
3,3'-Dichlorobenzidine	Qua1		0.4058	0.0100	2010	2000	0.5	20.0
Benzo[a]anthracene	Qua1		1.285	0.8000	1030	1000	2.8	20.0
Chrysene	Qua2		1.312	0.7000	996	1000	-0.4	20.0
Bis(2-ethylhexyl) phthalate	Qua2		1.030	0.0100	1110	1000	10.8	20.0
Di-n-octyl phthalate	Ave	1.324	1.478	0.0100	1120	1000	11.6	20.0
Benzo[b]fluoranthene	Lin2		1.186	0.7000	1070	1000	7.0	20.0
Benzofluoranthene	Ave	1.229	1.230		2000	2000	0.1	20.0
Benzo[k]fluoranthene	Ave	1.342	1.405	0.7000	1050	1000	4.7	20.0
Benzo[a]pyrene	Lin2		1.189	0.7000	1170	1000	16.6	20.0
Indeno[1,2,3-cd]pyrene	Lin1		1.084	0.5000	1070	1000	6.8	20.0
Dibenz(a,h)anthracene	Lin2		1.094	0.4000	1000	1000	0.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: ICV 580-379142/15 | Calibration Date: 01/24/2022 21:17

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 0124A21_.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua1		1.298	0.5000	1030	1000	2.6	20.0
2-Fluorophenol (Surr)	Lin2		0.8441		909	1000	-9.1	20.0
Phenol-d5 (Surr)	Lin1		0.9755		947	1000	-5.3	20.0
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2434		1020	1000	2.3	20.0
2-Fluorobiphenyl	Ave	1.330	1.334		1000	1000	0.3	20.0
2,4,6-Tribromophenol (Surr)	Lin1		0.1358	0.0100	1000	1000	0.3	20.0
Terphenyl-d14	Ave	0.7490	0.8298		1110	1000	10.8	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 24-Jan-2022 21:17:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv
Operator ID: TL Instrument ID: TAC051
Sublist:

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 28-Jan-2022 17:07:15 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1607

First Level Reviewer: limmere Date: 27-Jan-2022 12:10:55

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.489	4.489	0.000	71	29129	100.0	100.0	
* 2 Naphthalene-d8	136	5.498	5.499	-0.001	96	96485	100.0	100.0	
* 3 Acenaphthene-d10	164	6.925	6.925	0.000	39	53811	100.0	100.0	
* 4 Phenanthrene-d10	188	8.137	8.138	-0.001	93	77974	100.0	100.0	
* 5 Chrysene-d12	240	10.333	10.334	-0.001	57	68776	100.0	100.0	
* 6 Perylene-d12	264	11.861	11.862	-0.001	86	75719	100.0	100.0	M
$ 7 2-Fluorophenol	112	3.484	3.485	-0.001	85	245873	1000.0	909.5	
$ 8 Phenol-d5	99	4.211	4.212	-0.001	98	284152	1000.0	946.8	
$ 9 Nitrobenzene-d5	82	4.927	4.928	-0.001	88	234864	1000.0	1022.7	
$ 10 2-methylnaphthalene-d10	152	6.054	6.055	-0.001	0	576751	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.385	6.386	-0.001	99	717911	1000.0	1003.4	
$ 12 2,4,6-Tribromophenol	330	7.571	7.572	-0.001	83	105853	1000.0	1003.0	
$ 13 Fluoranthene-d10 (Surr)	212	9.115	9.116	-0.001	0	876905	NC	NC	
$ 14 Terphenyl-d14	244	9.457	9.458	-0.001	99	647056	1000.0	1108.0	
15 1,4-Dioxane	88	2.352	2.353	-0.001	1	1473	NC	NC	
16 N-Nitrosodimethylamine	74	2.480	2.475	0.005	75	119618	1000.0	997.8	
17 Pyridine	79	2.491	2.492	-0.001	88	362263	2000.0	1718.3	
19 Phenol	94	4.222	4.222	0.000	98	300880	1000.0	1028.4	
18 Aniline	93	4.238	4.238	0.000	46	337926	1000.0	925.1	
20 Bis(2-chloroethyl)ether	93	4.296	4.297	-0.001	97	234838	1000.0	933.4	
21 2-Chlorophenol	128	4.323	4.324	-0.001	81	335958	1000.0	952.8	
22 n-Decane	57	4.376	4.377	-0.001	88	206734	1000.0	898.6	
23 1,3-Dichlorobenzene	146	4.446	4.447	-0.001	98	391519	1000.0	932.5	
25 1,4-Dichlorobenzene	146	4.505	4.505	0.000	96	404278	1000.0	887.0	
26 Benzyl alcohol	79	4.606	4.607	-0.001	96	170261	1000.0	953.9	
27 1,2-Dichlorobenzene	146	4.622	4.623	-0.001	91	393944	1000.0	923.0	
28 2-Methylphenol	108	4.697	4.692	0.005	57	244020	1000.0	998.0	
29 2,2'-oxybis[1-chloropropane]	45	4.718	4.719	-0.001	45	244319	1000.0	864.4	a
30 Acetophenone	105	4.814	4.810	0.004	90	352416	1000.0	955.5	
31 N-Nitrosodi-n-propylamine	70	4.820	4.815	0.005	77	133223	1000.0	917.7	
32 3 & 4 Methylphenol	108	4.820	4.821	-0.001	87	249241	1000.0	978.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.884	4.885	-0.001	90	158275	1000.0	957.5	
34 Nitrobenzene	77	4.943	4.944	-0.001	87	238839	1000.0	966.9	
35 Isophorone	82	5.140	5.136	0.004	94	396747	1000.0	925.5	
36 2-Nitrophenol	139	5.199	5.200	-0.001	88	172153	1000.0	1035.6	
37 2,4-Dimethylphenol	107	5.242	5.243	-0.001	91	267159	1000.0	921.7	
39 Benzoic acid	105	5.301	5.301	0.000	81	321165	2000.0	1825.1	M
38 Bis(2-chloroethoxy)methane	93	5.322	5.323	-0.001	90	249349	1000.0	927.1	
40 2,4-Dichlorophenol	162	5.391	5.392	-0.001	87	265576	1000.0	1038.9	
41 1,2,4-Trichlorobenzene	180	5.456	5.456	0.000	93	308908	1000.0	1047.0	
42 Naphthalene	128	5.520	5.515	0.005	95	988620	1000.0	1032.8	
43 4-Chloroaniline	127	5.568	5.569	-0.001	83	341475	1000.0	1011.5	
44 2,6-Dichlorophenol	162	5.573	5.574	-0.001	91	258574	1000.0	925.8	
45 Hexachlorobutadiene	225	5.621	5.622	-0.001	92	178258	1000.0	1017.9	
46 4-Chloro-3-methylphenol	107	5.968	5.969	-0.001	89	202834	1000.0	970.7	
47 2-Methylnaphthalene	142	6.081	6.081	0.000	77	648992	1000.0	1032.5	
48 1-Methylnaphthalene	142	6.155	6.156	-0.001	89	610865	1000.0	1023.2	
49 Hexachlorocyclopentadiene	237	6.209	6.210	-0.001	85	178775	1000.0	941.6	
50 1,2,4,5-Tetrachlorobenzene	216	6.214	6.215	-0.001	96	276776	1000.0	977.7	
52 2,4,6-Trichlorophenol	196	6.310	6.311	-0.001	88	169422	1000.0	981.2	
53 2,4,5-Trichlorophenol	196	6.342	6.343	-0.001	94	173973	1000.0	887.3	
54 1,1'-Biphenyl	154	6.465	6.461	0.004	94	756059	1000.0	968.5	
55 2-Chloronaphthalene	162	6.471	6.471	0.000	98	597941	1000.0	975.2	
56 2-Nitroaniline	138	6.567	6.568	-0.001	92	162831	1000.0	952.7	
57 Dimethyl phthalate	163	6.727	6.722	0.005	98	696440	1000.0	1101.3	
58 1,3-Dinitrobenzene	168	6.743	6.744	-0.001	79	84161	1000.0	908.4	
59 2,6-Dinitrotoluene	165	6.770	6.765	0.005	68	154245	1000.0	984.0	
60 Acenaphthylene	152	6.807	6.808	-0.001	92	970857	1000.0	1073.5	
61 3-Nitroaniline	138	6.903	6.904	-0.001	86	146725	1000.0	971.1	
62 Acenaphthene	153	6.951	6.952	-0.001	92	612393	1000.0	972.5	
63 2,4-Dinitrophenol	184	6.989	6.990	-0.001	51	138385	2000.0	1773.8	Ma
64 4-Nitrophenol	109	7.048	7.048	0.000	87	122539	2000.0	1949.2	M
65 2,4-Dinitrotoluene	165	7.096	7.096	0.000	58	195557	1000.0	972.6	
66 Dibenzofuran	168	7.096	7.096	0.000	92	842877	1000.0	1052.8	
51 2,3,5,6-Tetrachlorophenol	232	7.165	7.166	-0.001	88	145761	1000.0	1057.2	
67 2,3,4,6-Tetrachlorophenol	232	7.197	7.198	-0.001	74	169389	1000.0	1049.4	
68 Diethyl phthalate	149	7.304	7.299	0.005	97	742601	1000.0	1064.6	
69 Fluorene	166	7.373	7.374	-0.001	84	694055	1000.0	1089.3	
70 4-Chlorophenyl phenyl ether	204	7.384	7.385	-0.001	92	304238	1000.0	1037.4	
71 4-Nitroaniline	138	7.400	7.401	-0.001	28	123350	1000.0	868.7	
72 4,6-Dinitro-2-methylphenol	198	7.421	7.422	-0.001	80	187903	2000.0	2014.9	
73 N-Nitrosodiphenylamine	169	7.480	7.481	-0.001	59	489856	1000.0	1183.4	
74 Azobenzene	77	7.512	7.513	-0.001	96	498683	1000.0	1159.0	
75 4-Bromophenyl phenyl ether	248	7.785	7.786	-0.001	56	176364	1000.0	1023.3	
76 Hexachlorobenzene	284	7.822	7.818	0.004	85	210966	1000.0	1046.9	
77 Atrazine	200	7.929	7.930	-0.001	91	174821	1000.0	969.8	
78 Pentachlorophenol	266	7.982	7.983	-0.001	82	242672	2000.0	2182.3	
79 n-Octadecane	57	8.084	8.085	-0.001	90	238057	1000.0	965.8	
80 Phenanthrene	178	8.159	8.160	0.000	96	941479	1000.0	1077.3	
81 Anthracene	178	8.201	8.197	0.004	95	966093	1000.0	1065.2	
83 Carbazole	167	8.340	8.336	0.004	82	751750	1000.0	1080.5	
84 Di-n-butyl phthalate	149	8.645	8.646	-0.001	99	1185286	1000.0	1078.8	
85 Fluoranthene	202	9.131	9.132	-0.001	95	1013532	1000.0	1090.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.259	9.260	-0.001	97	470139	2000.0	2132.0	
89 Pyrene	202	9.313	9.313	0.000	99	1071043	1000.0	1122.9	
94 Butyl benzyl phthalate	149	9.873	9.869	0.004	92	513723	1000.0	1035.9	
96 3,3'-Dichlorobenzidine	252	10.322	10.318	0.004	59	558142	2000.0	2010.0	
97 Benzo[a]anthracene	228	10.328	10.323	0.005	97	884089	1000.0	1028.2	
99 Chrysene	228	10.360	10.360	0.000	93	902008	1000.0	995.6	
98 Bis(2-ethylhexyl) phthalate	149	10.392	10.393	0.000	77	708121	1000.0	1107.7	
100 Di-n-octyl phthalate	149	11.059	11.055	0.004	97	1119026	1000.0	1116.2	
101 Benzo[b]fluoranthene	252	11.428	11.424	0.004	94	897702	1000.0	1070.3	
102 Benzofluoranthene	252	11.428	11.456	-0.028	1	1862924	2000.0	2002.1	Ma
103 Benzo[k]fluoranthene	252	11.455	11.456	-0.001	96	1064172	1000.0	1046.9	
104 Benzo[a]pyrene	252	11.797	11.792	0.005	74	900239	1000.0	1166.2	
105 Indeno[1,2,3-cd]pyrene	276	13.164	13.165	-0.001	98	821171	1000.0	1068.2	
106 Dibenz(a,h)anthracene	278	13.207	13.208	-0.001	4	828384	1000.0	1001.4	
107 Benzo[g,h,i]perylene	276	13.490	13.496	-0.006	89	982685	1000.0	1025.9	a

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

icv_8270_1000_00014 Amount Added: 1.00 Units: ml

Report Date: 28-Jan-2022 17:08:16 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D

Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051

Lims ID: ICV

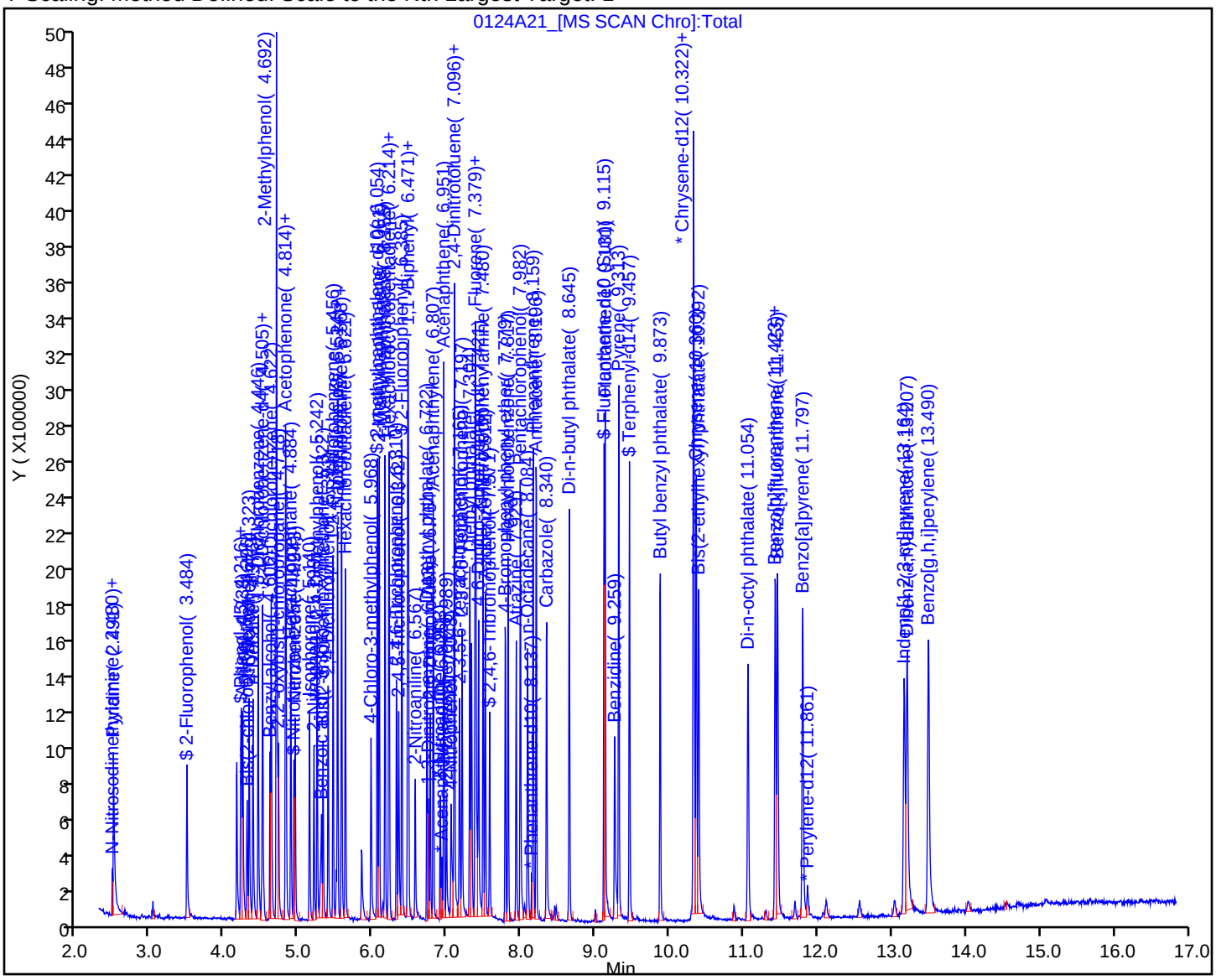
Client ID:

Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

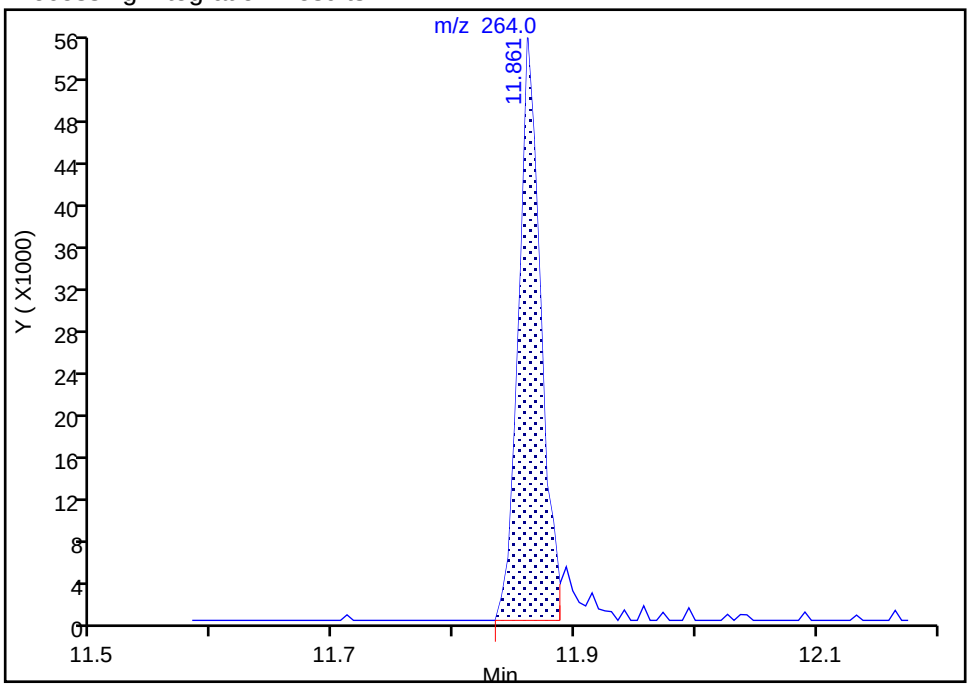
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

* 6 Perylene-d12, CAS: 1520-96-3

Signal: 1

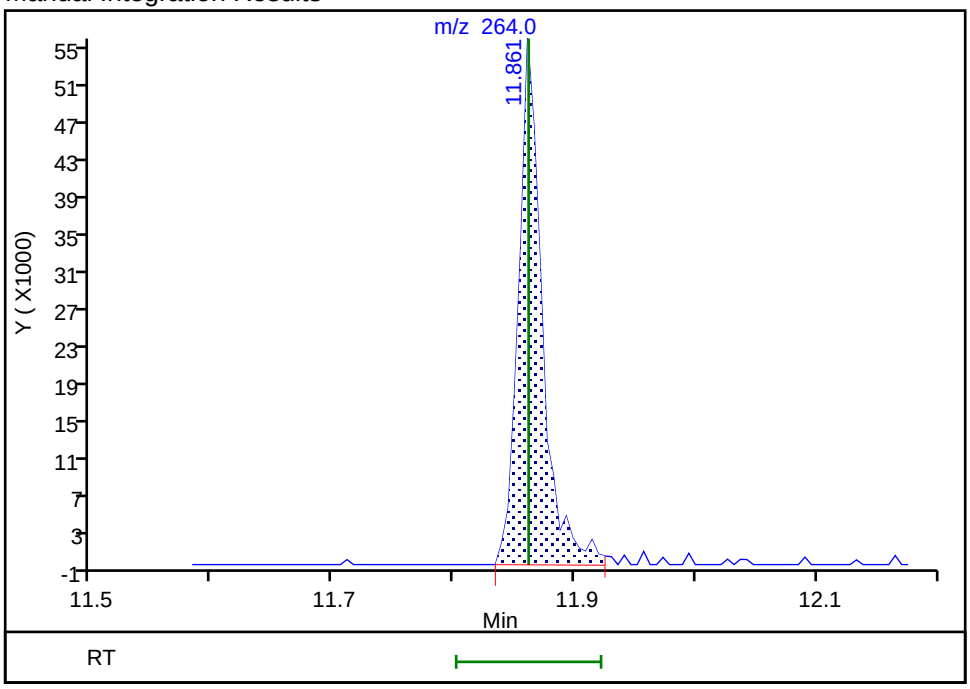
Processing Integration Results

RT: 11.86
Area: 70483
Amount: 100.0000
Amount Units: ug/L



Manual Integration Results

RT: 11.86
Area: 75719
Amount: 100.0000
Amount Units: ug/L



Reviewer: mohammedj, 27-Jan-2022 14:58:13
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

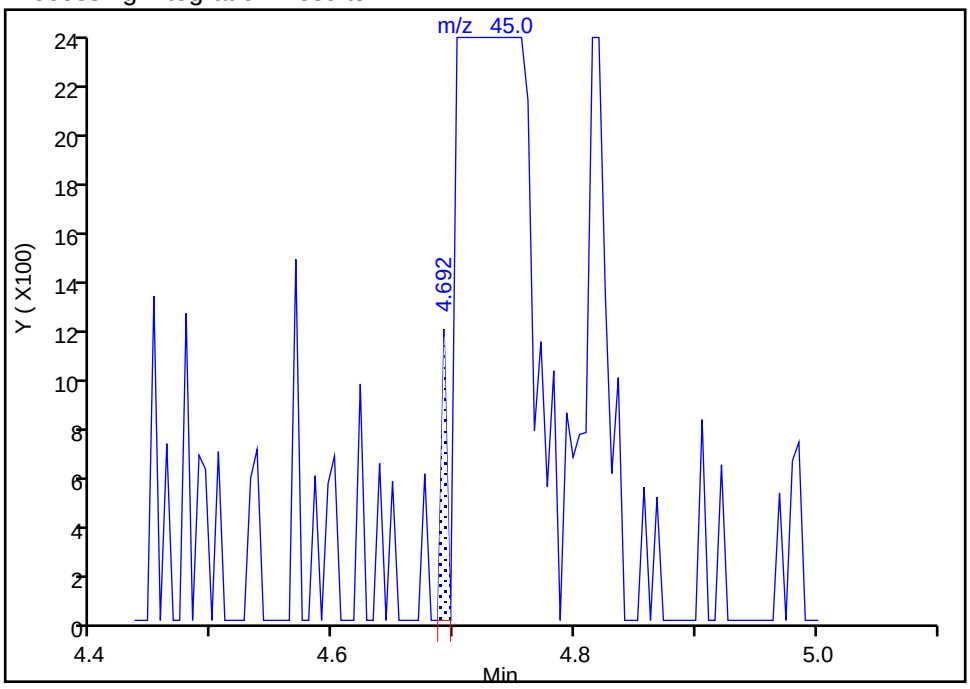
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

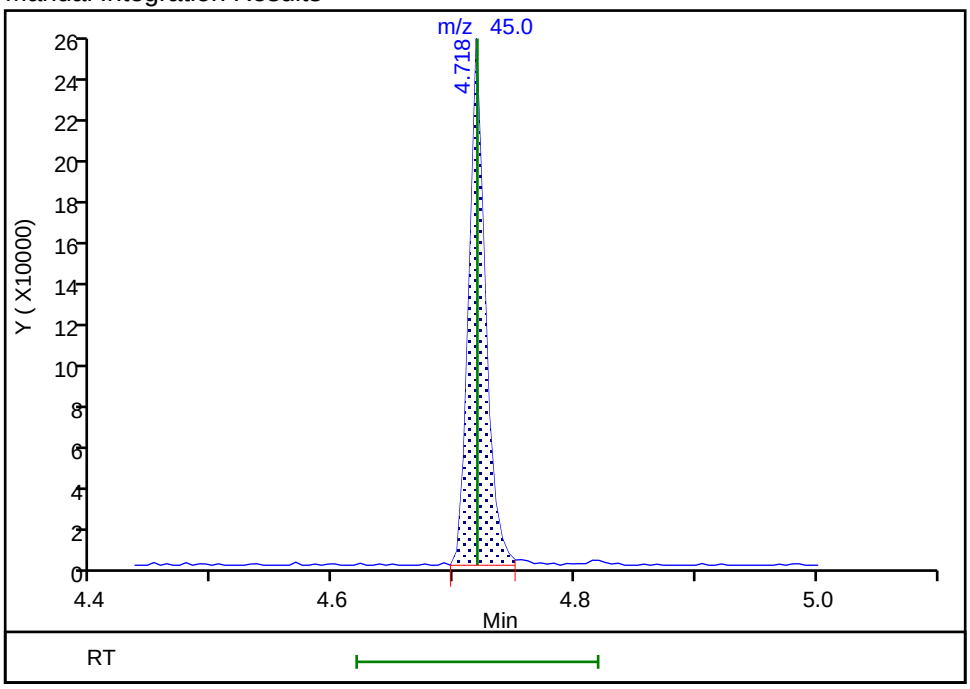
Processing Integration Results

RT: 4.69
Area: 385
Amount: 1.362077
Amount Units: ug/L



Manual Integration Results

RT: 4.72
Area: 244319
Amount: 864.3669
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 12:07:51
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle

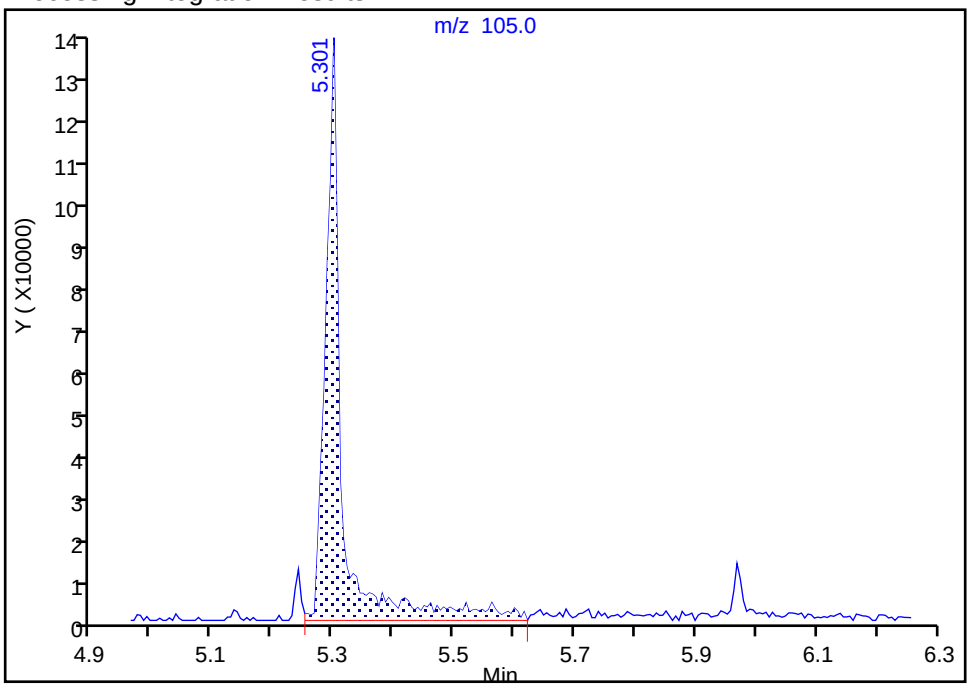
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

39 Benzoic acid, CAS: 65-85-0

Signal: 1

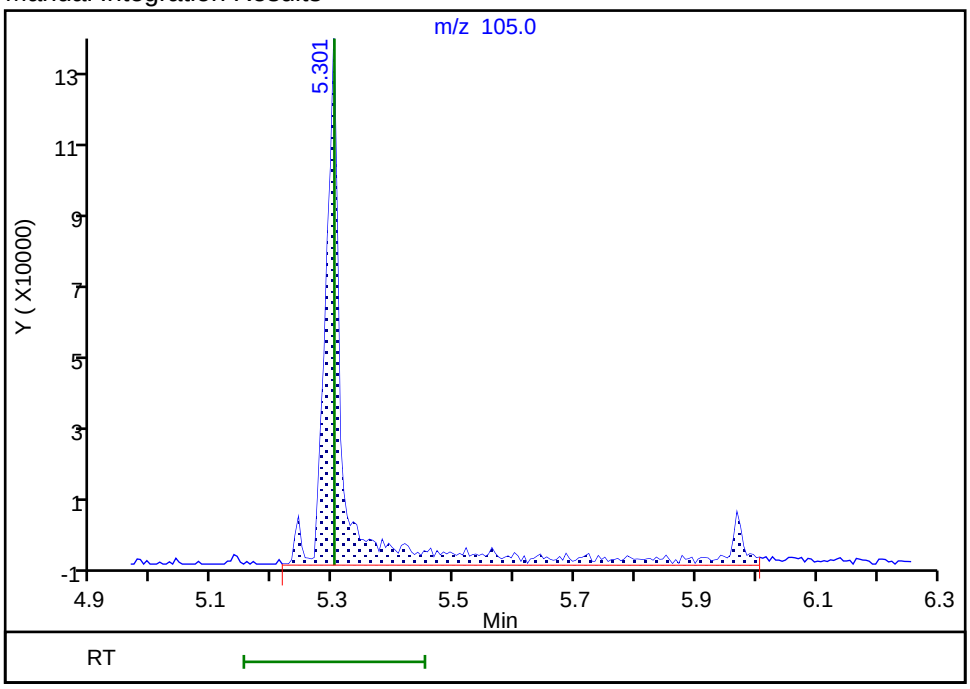
Processing Integration Results

RT: 5.30
Area: 257108
Amount: 1461.6119
Amount Units: ug/L



Manual Integration Results

RT: 5.30
Area: 321165
Amount: 1825.0954
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 12:08:51
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

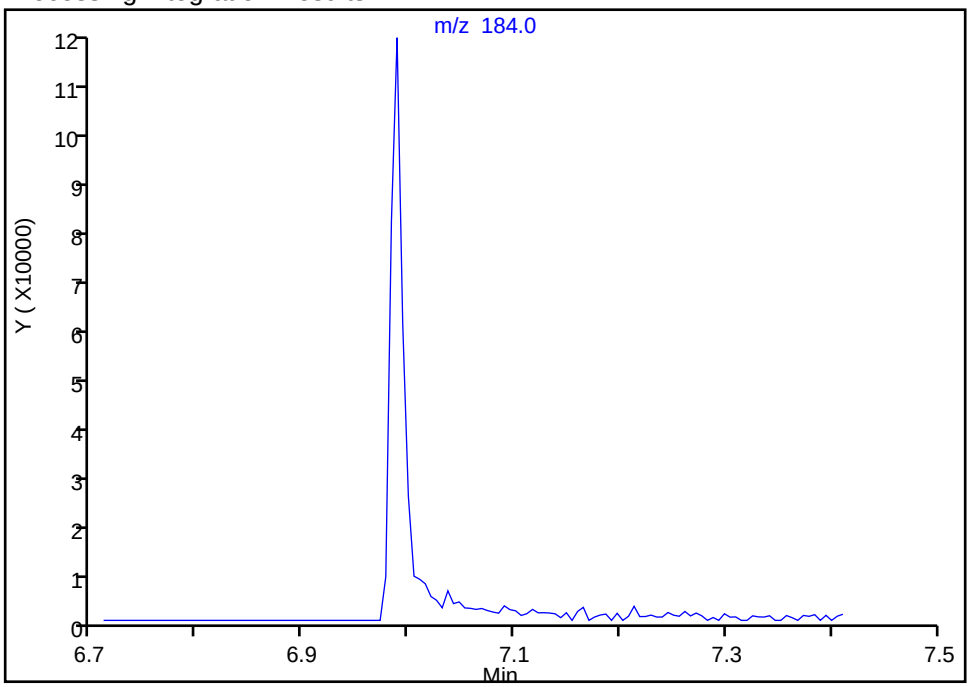
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

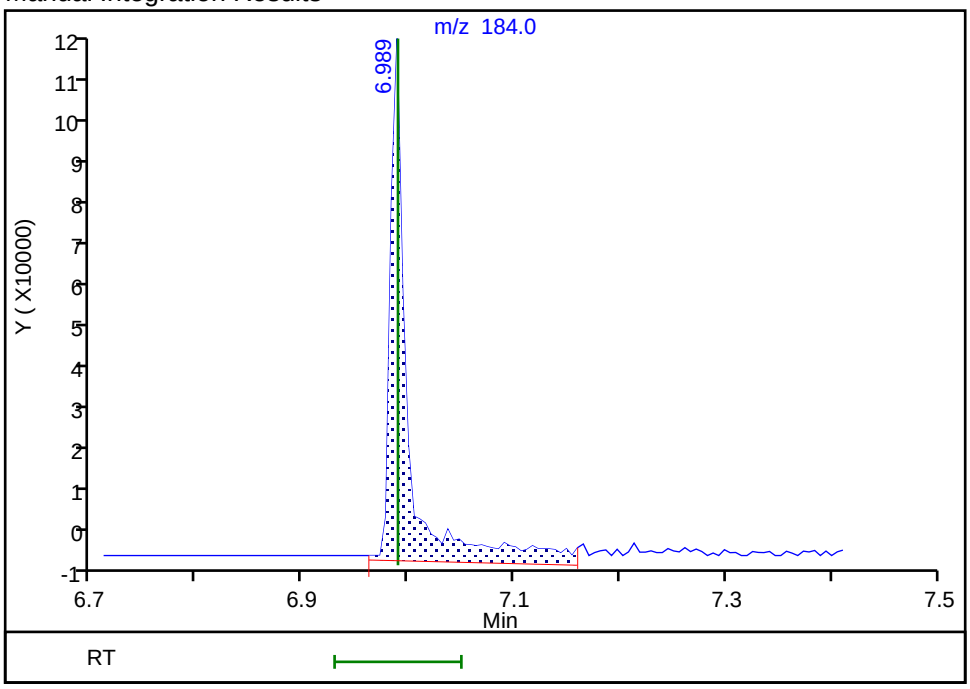
Not Detected
Expected RT: 6.99

Processing Integration Results



Manual Integration Results

RT: 6.99
Area: 138385
Amount: 1773.7909
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 12:09:14
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

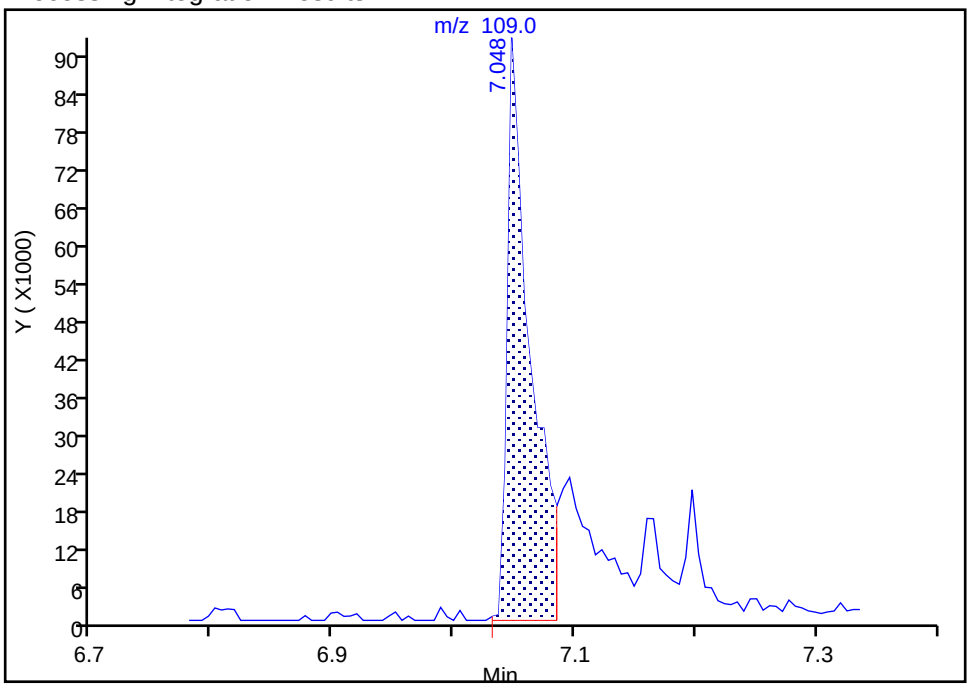
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

64 4-Nitrophenol, CAS: 100-02-7

Signal: 1

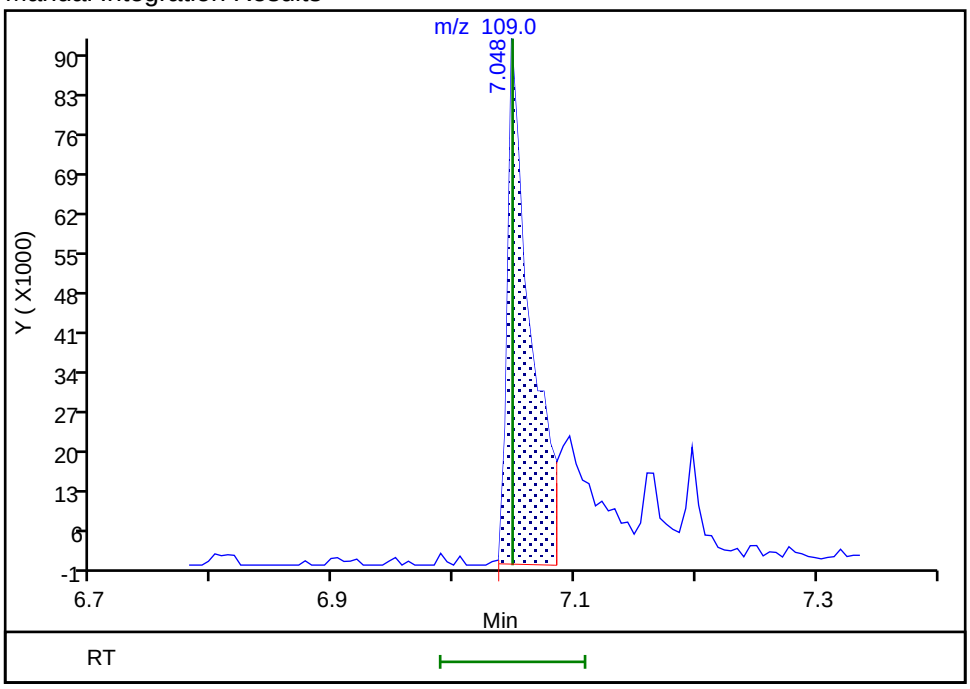
Processing Integration Results

RT: 7.05
Area: 123077
Amount: 1428.9679
Amount Units: ug/L



Manual Integration Results

RT: 7.05
Area: 122539
Amount: 1949.1693
Amount Units: ug/L



Reviewer: boylea, 28-Jan-2022 17:05:22
Audit Action: Manually Integrated Audit Reason: Peak Tail

Eurofins Seattle

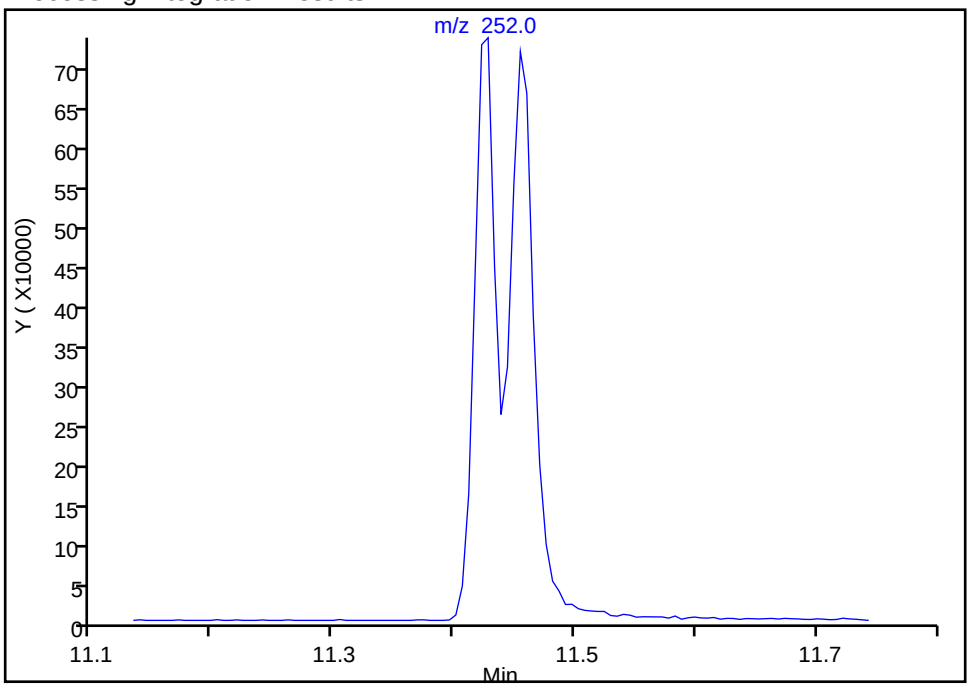
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

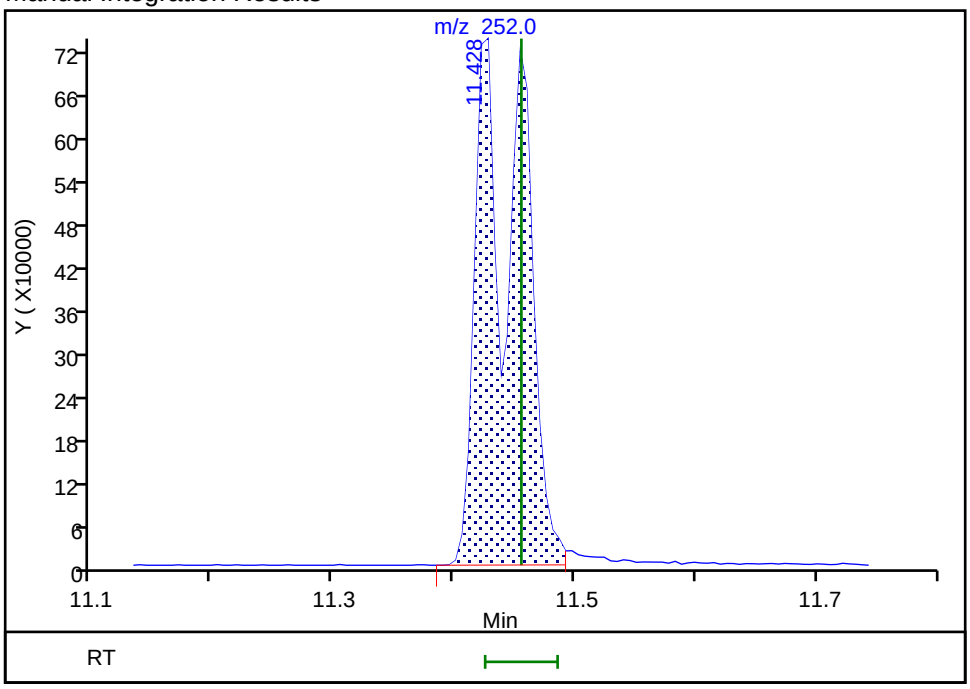
Not Detected
Expected RT: 11.46

Processing Integration Results



Manual Integration Results

RT: 11.43
Area: 1862924
Amount: 2002.0992
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 12:09:47
Audit Action: Manually Integrated Audit Reason: Baseline

Eurofins Seattle

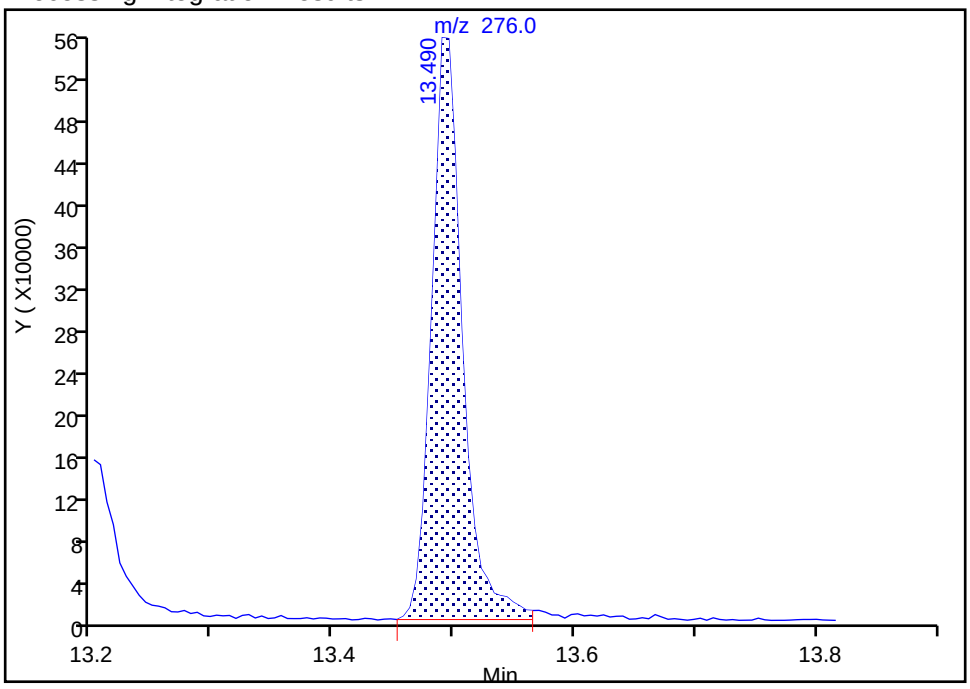
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A21_.D
Injection Date: 24-Jan-2022 21:17:30 Instrument ID: TAC051
Lims ID: ICV
Client ID:
Operator ID: TL ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

107 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

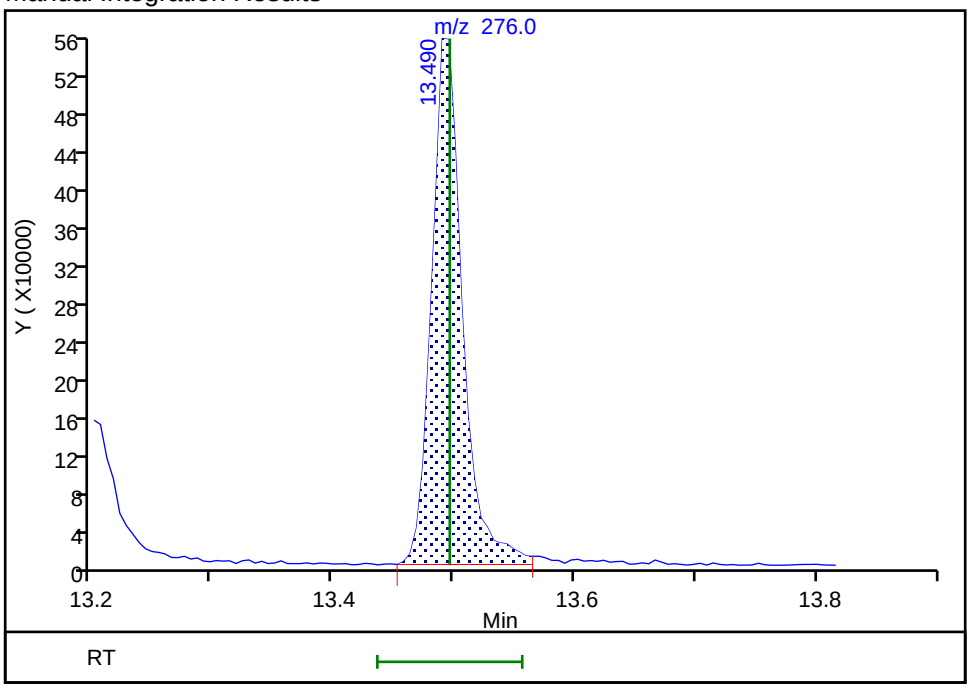
Processing Integration Results

RT: 13.49
Area: 982685
Amount: 1100.9746
Amount Units: ug/L



Manual Integration Results

RT: 13.49
Area: 982685
Amount: 1025.9436
Amount Units: ug/L



Reviewer: limmere, 27-Jan-2022 12:09:59
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVIS 580-383057/3 | Calibration Date: 03/07/2022 11:12

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30722A04.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.3900	0.0100	949	1000	-5.1	20.0
Pyridine	Lin2		0.7090	0.0100	1950	2000	-2.4	20.0
Aniline	Lin1		1.109	0.0100	885	1000	-11.5	20.0
Bis(2-chloroethyl)ether	Ave	0.8637	0.7738	0.7000	896	1000	-10.4	20.0
Phenol	Ave	1.004	1.015	0.8000	1010	1000	1.0	20.0
2-Chlorophenol	Ave	1.210	1.251	0.8000	1030	1000	3.4	20.0
n-Decane	Ave	0.7898	0.6432		814	1000	-18.6	20.0
1,3-Dichlorobenzene	Ave	1.441	1.504	0.0100	1040	1000	4.3	20.0
1,4-Dichlorobenzene	Ave	1.565	1.501	0.0100	959	1000	-4.1	20.0
1,2-Dichlorobenzene	Ave	1.465	1.467	0.0100	1000	1000	0.1	20.0
Benzyl alcohol	Lin2		0.5445	0.0100	889	1000	-11.1	20.0
bis (2-chloroisopropyl) ether	Ave	0.9704	0.6803	0.0100	701	1000	-29.9*	20.0
o-Cresol	Ave	0.8394	0.8731	0.7000	1040	1000	4.0	20.0
Acetophenone	Ave	1.266	1.312	0.0100	1040	1000	3.6	20.0
N-Nitrosodi-n-propylamine	Ave	0.4984	0.4962*	0.5000	996	1000	-0.4	20.0
m+p-Cresol	Lin2		0.9079	0.6000	1040	1000	3.8	20.0
Hexachloroethane	Ave	0.5675	0.5778	0.3000	1020	1000	1.8	20.0
Nitrobenzene	Lin2		0.8088	0.2000	954	1000	-4.6	20.0
Isophorone	Ave	1.472	1.492	0.4000	1010	1000	1.4	20.0
2-Nitrophenol	Lin2		0.1791	0.1000	1040	1000	4.0	20.0
2,4-Dimethylphenol	Lin1		1.036	0.2000	1040	1000	4.1	20.0
Bis(2-chloroethoxy)methane	Ave	0.9233	0.9181	0.3000	994	1000	-0.6	20.0
Benzoic acid	Lin1		0.1773	0.0100	1920	2000	-3.9	20.0
2,4-Dichlorophenol	Lin1		0.2783	0.2000	1050	1000	5.0	20.0
1,2,4-Trichlorobenzene	Ave	0.3058	0.2991	0.0100	978	1000	-2.2	20.0
Naphthalene	Qua2		0.996	0.7000	1000	1000	0.2	20.0
4-Chloroaniline	Lin1		0.3047	0.0100	874	1000	-12.6	20.0
2,6-Dichlorophenol	Qua1		0.4677	0.0100	901	1000	-9.9	20.0
Hexachlorobutadiene	Ave	0.1815	0.1937	0.0100	1070	1000	6.7	20.0
4-Chloro-3-methylphenol	Lin2		0.3876	0.2000	997	1000	-0.3	20.0
2-Methylnaphthalene	Ave	0.6515	0.6491	0.4000	996	1000	-0.4	20.0
1-Methylnaphthalene	Ave	0.6188	0.6349	0.0100	1030	1000	2.6	20.0
Hexachlorocyclopentadiene	Ave	0.3528	0.3367	0.0500	954	1000	-4.6	20.0
1,2,4,5-Tetrachlorobenzene	Qua		0.5087		967	1000	-3.3	20.0
2,4,6-Trichlorophenol	Lin2		0.3158	0.2000	984	1000	-1.6	20.0
2,4,5-Trichlorophenol	Lin1		0.3714	0.2000	1010	1000	1.3	20.0
1,1'-Biphenyl	Ave	1.451	1.312	0.0100	904	1000	-9.6	20.0
2-Chloronaphthalene	Ave	1.139	1.075	0.8000	943	1000	-5.7	20.0
2-Nitroaniline	Qua2		0.3249	0.0100	1020	1000	1.7	20.0
Dimethyl phthalate	Lin1		1.227	0.0100	1040	1000	4.4	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVIS 580-383057/3 | Calibration Date: 03/07/2022 11:12

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30722A04.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1		0.2847	0.2000	978	1000	-2.2	20.0
Acenaphthylene	Qua2		1.639	0.9000	973	1000	-2.7	20.0
3-Nitroaniline	Lin2		0.2694	0.0100	960	1000	-4.0	20.0
Acenaphthene	Ave	1.170	1.067	0.9000	912	1000	-8.8	20.0
2,4-Dinitrophenol	Lin1		0.1419	0.0100	1910	2000	-4.3	20.0
Dibenzofuran	Ave	1.488	1.488	0.8000	1000	1000	0.0	20.0
2,4-Dinitrotoluene	Lin2		0.3539	0.2000	949	1000	-5.1	20.0
4-Nitrophenol	Lin1		0.1437	0.0100	2250	2000	12.7	20.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2708	0.0100	1060	1000	5.7	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3173	0.0100	1060	1000	5.8	20.0
Diethyl phthalate	Ave	1.296	1.433	0.0100	1110	1000	10.5	20.0
Fluorene	Ave	1.184	1.211	0.9000	1020	1000	2.3	20.0
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5453	0.4000	1000	1000	0.0	20.0
4-Nitroaniline	Lin1		0.2383	0.0100	900	1000	-10.0	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1167	0.0100	1960	2000	-2.1	20.0
N-Nitrosodiphenylamine	Ave	0.5309	0.5727	0.0100	1080	1000	7.9	20.0
Azobenzene	Lin2		0.5157		935	1000	-6.5	20.0
4-Bromophenyl phenyl ether	Qua2		0.2337	0.1000	1060	1000	5.8	20.0
Hexachlorobenzene	Ave	0.2584	0.2736	0.1000	1060	1000	5.9	20.0
Atrazine	Lin2		0.3320	0.0100	991	1000	-0.9	20.0
Pentachlorophenol	Lin2		0.1391	0.0500	1970	2000	-1.7	20.0
n-Octadecane	Qua1		0.2513		793	1000	-20.7*	20.0
Phenanthrene	Qua2		1.070	0.7000	950	1000	-5.0	20.0
Anthracene	Qua1		1.076	0.7000	921	1000	-7.9	20.0
Carbazole	Qua1		0.8807	0.0100	985	1000	-1.5	20.0
Di-n-butyl phthalate	Qua1		1.396	0.0100	987	1000	-1.3	20.0
Fluoranthene	Qua1		1.129	0.6000	942	1000	-5.8	20.0
Benzidine	Lin1		0.2082	0.0100	1500	2000	-25.0*	20.0
Pyrene	Qua1		1.139	0.6000	924	1000	-7.6	20.0
Butyl benzyl phthalate	Qua1		0.6869	0.0100	952	1000	-4.8	20.0
3,3'-Dichlorobenzidine	Qua1		0.3869	0.0100	1920	2000	-4.2	20.0
Benzo[a]anthracene	Qua1		1.186	0.8000	947	1000	-5.3	20.0
Chrysene	Qua2		1.091	0.7000	822	1000	-17.8	20.0
Bis(2-ethylhexyl) phthalate	Qua2		0.9566	0.0100	1030	1000	3.0	20.0
Di-n-octyl phthalate	Ave	1.324	1.430	0.0100	1080	1000	8.0	20.0
Benzo[b]fluoranthene	Lin2		1.097	0.7000	990	1000	-1.0	20.0
Benzo[k]fluoranthene	Ave	1.342	1.197	0.7000	891	1000	-10.9	20.0
Benzofluoranthene	Ave	1.229	1.115		1810	2000	-9.3	20.0
Benzo[a]pyrene	Lin2		1.001	0.7000	983	1000	-1.7	20.0
Indeno[1,2,3-cd]pyrene	Lin1		1.038	0.5000	1020	1000	2.3	20.0
Dibenz(a,h)anthracene	Lin2		1.094	0.4000	1000	1000	0.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVIS 580-383057/3 Calibration Date: 03/07/2022 11:12

Instrument ID: TAC051 Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/24/2022 20:31

Lab File ID: 30722A04.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua1		1.198	0.5000	946	1000	-5.4	20.0
2-Fluorophenol (Surr)	Lin2		0.9340		1010	1000	0.6	20.0
Phenol-d5 (Surr)	Lin1		1.035		1000	1000	0.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2385		1000	1000	0.2	20.0
2-Fluorobiphenyl	Ave	1.330	1.283		965	1000	-3.5	20.0
2,4,6-Tribromophenol (Surr)	Lin1		0.1568	0.0100	1150	1000	15.3	20.0
Terphenyl-d14	Ave	0.7490	0.8098		1080	1000	8.1	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A04.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 07-Mar-2022 11:12:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 07-Mar-2022 13:57:36 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: limmere Date: 07-Mar-2022 13:57:36

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.467	4.467	0.000	87	16910	100.0	100.0	
* 2 Naphthalene-d8	136	5.482	5.482	0.000	94	62620	100.0	100.0	
* 3 Acenaphthene-d10	164	6.908	6.908	0.000	79	37220	100.0	100.0	
* 4 Phenanthrene-d10	188	8.121	8.121	0.000	88	57564	100.0	100.0	M
* 5 Chrysene-d12	240	10.322	10.322	0.000	62	51764	100.0	100.0	
* 6 Perylene-d12	264	11.850	11.850	0.000	87	57452	100.0	100.0	
$ 7 2-Fluorophenol	112	3.511	3.511	0.000	84	157937	1000.0	1005.8	
$ 8 Phenol-d5	99	4.259	4.259	0.000	96	174980	1000.0	1004.4	
$ 9 Nitrobenzene-d5	82	4.910	4.910	0.000	86	149327	1000.0	1001.8	
$ 10 2-methylnaphthalene-d10	152	6.032	6.032	0.000	0	389268	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.363	6.363	0.000	98	477591	1000.0	965.0	
$ 12 2,4,6-Tribromophenol	330	7.565	7.565	0.000	77	90267	1000.0	1152.5	
$ 13 Fluoranthene-d10 (Surr)	212	9.099	9.099	0.000	0	579023	NC	NC	
$ 14 Terphenyl-d14	244	9.446	9.446	0.000	98	466147	1000.0	1081.2	
16 N-Nitrosodimethylamine	74	2.426	2.426	0.000	65	65947	1000.0	948.8	
17 Pyridine	79	2.437	2.437	0.000	89	239790	2000.0	1951.5	
18 Aniline	93	4.221	4.221	0.000	98	187523	1000.0	884.5	
19 Phenol	94	4.269	4.269	0.000	90	171587	1000.0	1010.3	
20 Bis(2-chloroethyl)ether	93	4.269	4.269	0.000	80	130842	1000.0	895.8	
21 2-Chlorophenol	128	4.323	4.323	0.000	90	211567	1000.0	1033.6	
22 n-Decane	57	4.344	4.344	0.000	78	108763	1000.0	814.4	
23 1,3-Dichlorobenzene	146	4.419	4.419	0.000	97	254316	1000.0	1043.3	
25 1,4-Dichlorobenzene	146	4.478	4.478	0.000	94	253762	1000.0	959.1	
27 1,2-Dichlorobenzene	146	4.595	4.595	0.000	96	248111	1000.0	1001.3	
26 Benzyl alcohol	79	4.601	4.601	0.000	71	92068	1000.0	889.1	
29 2,2'-oxybis[1-chloropropane]	45	4.697	4.697	0.000	64	115041	1000.0	701.1	
28 2-Methylphenol	108	4.718	4.718	0.000	86	147646	1000.0	1040.2	
30 Acetophenone	105	4.793	4.793	0.000	89	221786	1000.0	1035.8	
31 N-Nitrosodi-n-propylamine	70	4.798	4.798	0.000	87	83910	1000.0	995.7	
32 3 & 4 Methylphenol	108	4.852	4.852	0.000	94	153518	1000.0	1037.7	
33 Hexachloroethane	117	4.862	4.862	0.000	87	97700	1000.0	1018.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.926	4.926	0.000	80	136762	1000.0	953.8	
35 Isophorone	82	5.119	5.119	0.000	92	252295	1000.0	1013.8	
36 2-Nitrophenol	139	5.177	5.177	0.000	90	112177	1000.0	1039.7	
37 2,4-Dimethylphenol	107	5.252	5.252	0.000	93	175214	1000.0	1040.6	
38 Bis(2-chloroethoxy)methane	93	5.306	5.306	0.000	92	155251	1000.0	994.4	
39 Benzoic acid	105	5.354	5.354	0.000	69	221997	2000.0	1922.0	
40 2,4-Dichlorophenol	162	5.402	5.402	0.000	88	174274	1000.0	1050.2	
41 1,2,4-Trichlorobenzene	180	5.434	5.434	0.000	96	187297	1000.0	978.1	
42 Naphthalene	128	5.498	5.498	0.000	96	623413	1000.0	1002.3	
43 4-Chloroaniline	127	5.562	5.562	0.000	81	190816	1000.0	874.3	
44 2,6-Dichlorophenol	162	5.567	5.567	0.000	93	174094	1000.0	901.2	
45 Hexachlorobutadiene	225	5.600	5.600	0.000	90	121303	1000.0	1067.3	
46 4-Chloro-3-methylphenol	107	6.000	6.000	0.000	88	144274	1000.0	997.2	
47 2-Methylnaphthalene	142	6.059	6.059	0.000	82	406455	1000.0	996.3	
48 1-Methylnaphthalene	142	6.139	6.139	0.000	91	397577	1000.0	1026.1	
49 Hexachlorocyclopentadiene	237	6.187	6.187	0.000	94	125308	1000.0	954.2	
50 1,2,4,5-Tetrachlorobenzene	216	6.192	6.192	0.000	95	189345	1000.0	966.9	
52 2,4,6-Trichlorophenol	196	6.310	6.310	0.000	87	117544	1000.0	984.1	
53 2,4,5-Trichlorophenol	196	6.363	6.363	0.000	52	138239	1000.0	1012.8	
54 1,1'-Biphenyl	154	6.444	6.444	0.000	95	488175	1000.0	904.1	
55 2-Chloronaphthalene	162	6.454	6.454	0.000	96	400106	1000.0	943.5	
56 2-Nitroaniline	138	6.561	6.561	0.000	89	120929	1000.0	1017.3	
57 Dimethyl phthalate	163	6.711	6.711	0.000	99	456614	1000.0	1043.7	
58 1,3-Dinitrobenzene	168	6.732	6.732	0.000	55	74429	1000.0	1125.9	
59 2,6-Dinitrotoluene	165	6.753	6.753	0.000	69	105970	1000.0	977.6	
60 Acenaphthylene	152	6.791	6.791	0.000	90	609855	1000.0	972.6	
61 3-Nitroaniline	138	6.903	6.903	0.000	86	100279	1000.0	960.4	
62 Acenaphthene	153	6.935	6.935	0.000	86	397274	1000.0	912.1	
63 2,4-Dinitrophenol	184	6.983	6.983	0.000	88	105640	2000.0	1913.3	
66 Dibenzofuran	168	7.079	7.079	0.000	92	553966	1000.0	1000.3	
65 2,4-Dinitrotoluene	165	7.085	7.085	0.000	93	131729	1000.0	948.7	
64 4-Nitrophenol	109	7.117	7.117	0.000	79	106972	2000.0	2254.2	M
51 2,3,5,6-Tetrachlorophenol	232	7.159	7.159	0.000	83	100776	1000.0	1056.8	
67 2,3,4,6-Tetrachlorophenol	232	7.197	7.197	0.000	72	118096	1000.0	1057.5	
68 Diethyl phthalate	149	7.288	7.288	0.000	97	533352	1000.0	1105.5	
69 Fluorene	166	7.357	7.357	0.000	83	450651	1000.0	1022.6	
70 4-Chlorophenyl phenyl ether	204	7.368	7.368	0.000	91	202977	1000.0	1000.6	
71 4-Nitroaniline	138	7.405	7.405	0.000	86	88677	1000.0	900.4	
72 4,6-Dinitro-2-methylphenol	198	7.416	7.416	0.000	89	134388	2000.0	1957.7	
73 N-Nitrosodiphenylamine	169	7.469	7.469	0.000	56	329687	1000.0	1078.9	
74 Azobenzene	77	7.496	7.496	0.000	90	296848	1000.0	935.2	
75 4-Bromophenyl phenyl ether	248	7.768	7.768	0.000	54	134539	1000.0	1057.6	
76 Hexachlorobenzene	284	7.800	7.800	0.000	82	157491	1000.0	1058.6	
77 Atrazine	200	7.918	7.918	0.000	90	123584	1000.0	990.7	
78 Pentachlorophenol	266	7.982	7.982	0.000	80	160154	2000.0	1966.2	
79 n-Octadecane	57	8.062	8.062	0.000	88	144643	1000.0	793.4	
80 Phenanthrene	178	8.142	8.142	0.000	96	615948	1000.0	950.5	
81 Anthracene	178	8.185	8.185	0.000	96	619225	1000.0	920.6	
83 Carbazole	167	8.335	8.335	0.000	83	506938	1000.0	984.8	
84 Di-n-butyl phthalate	149	8.628	8.628	0.000	99	803550	1000.0	986.6	
85 Fluoranthene	202	9.115	9.115	0.000	95	649682	1000.0	941.5	
88 Benzidine	184	9.254	9.254	0.000	96	239719	2000.0	1499.5	M

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.302	9.302	0.000	98	655755	1000.0	923.9	
94 Butyl benzyl phthalate	149	9.857	9.857	0.000	92	355552	1000.0	952.0	
97 Benzo[a]anthracene	228	10.311	10.311	0.000	99	613995	1000.0	947.5	
96 3,3'-Dichlorobenzidine	252	10.311	10.311	0.000	63	400530	2000.0	1916.7	
99 Chrysene	228	10.349	10.349	0.000	92	564836	1000.0	821.5	
98 Bis(2-ethylhexyl) phthalate	149	10.375	10.375	0.000	76	495182	1000.0	1030.5	
100 Di-n-octyl phthalate	149	11.038	11.038	0.000	97	821520	1000.0	1080.0	
101 Benzo[b]fluoranthene	252	11.412	11.412	0.000	91	630157	1000.0	990.4	
102 Benzofluoranthene	252	11.444	11.444	0.000	1	1280999	2000.0	1814.4	a
103 Benzo[k]fluoranthene	252	11.444	11.444	0.000	98	687557	1000.0	891.5	
104 Benzo[a]pyrene	252	11.786	11.786	0.000	69	575108	1000.0	982.7	
105 Indeno[1,2,3-cd]pyrene	276	13.153	13.153	0.000	95	596595	1000.0	1023.3	
106 Dibenz(a,h)anthracene	278	13.191	13.191	0.000	5	628437	1000.0	1001.2	
107 Benzo[g,h,i]perylene	276	13.484	13.484	0.000	90	688465	1000.0	946.0	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 07-Mar-2022 13:57:38 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A04.D

Injection Date: 07-Mar-2022 11:12:30 Instrument ID: TAC051

Lims ID: ccvis

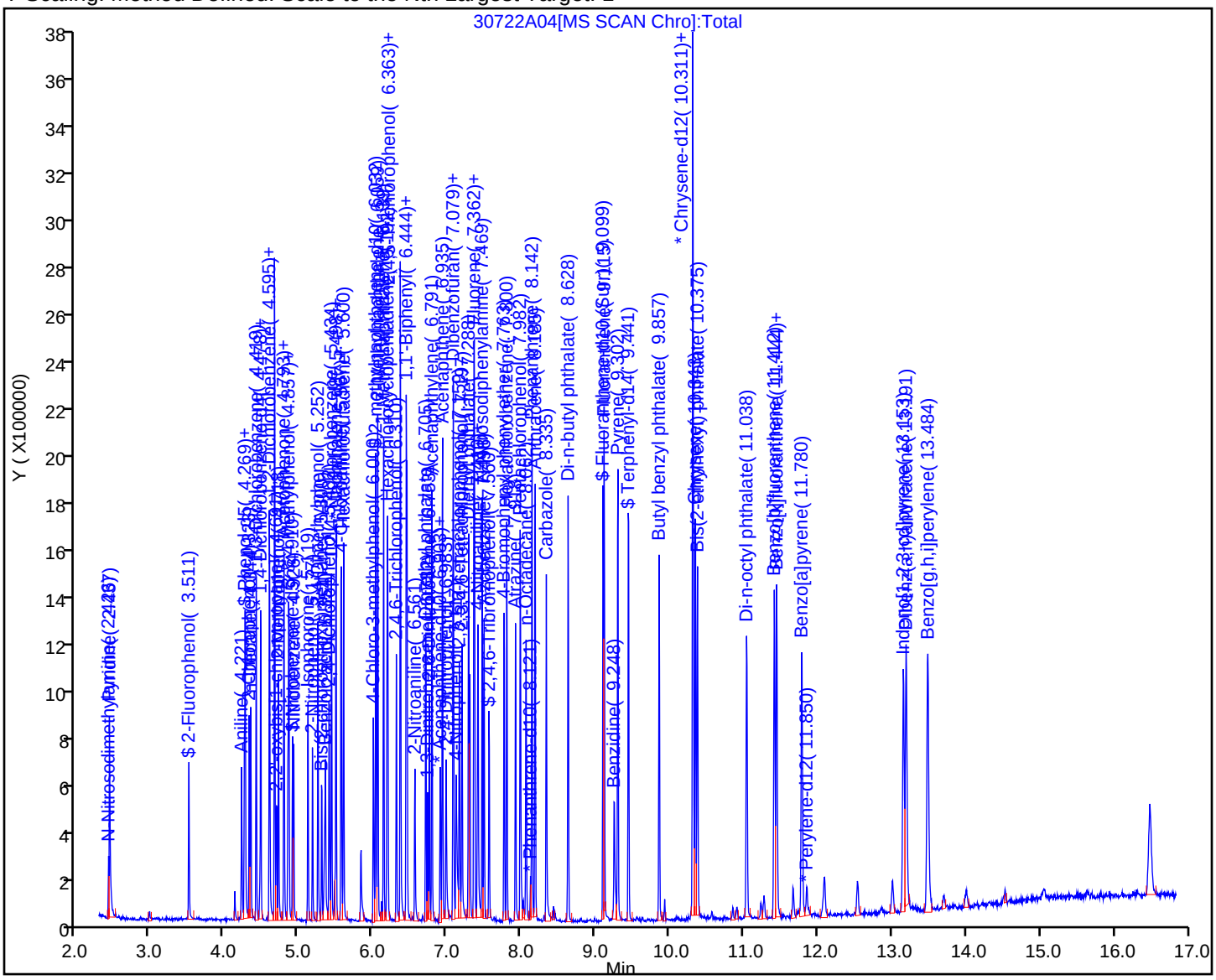
Client ID:

Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

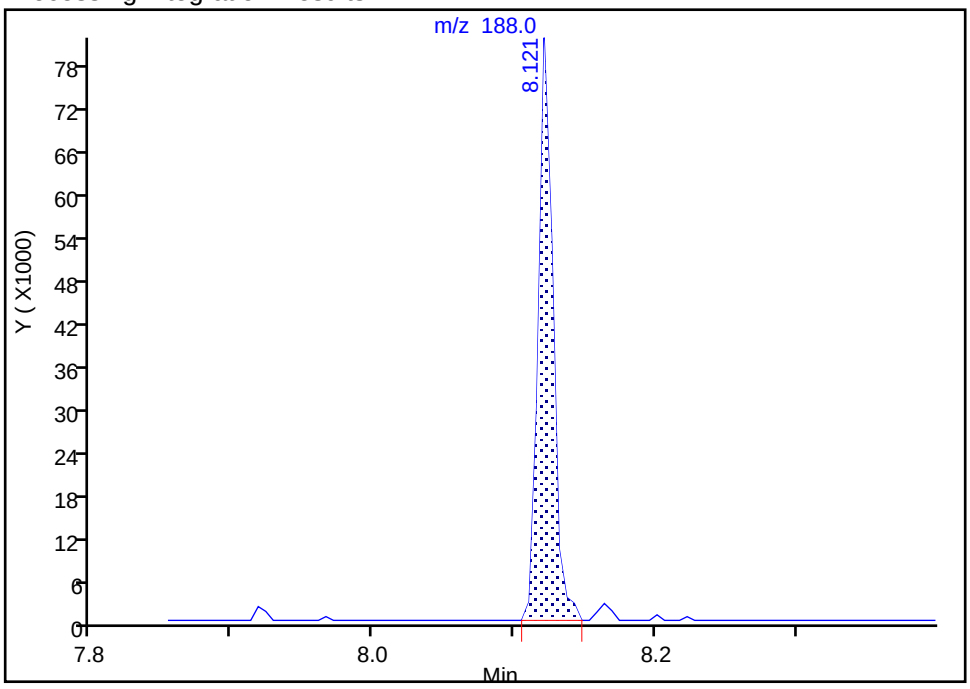
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A04.D
Injection Date: 07-Mar-2022 11:12:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

* 4 Phenanthrene-d10, CAS: 1517-22-2

Signal: 1

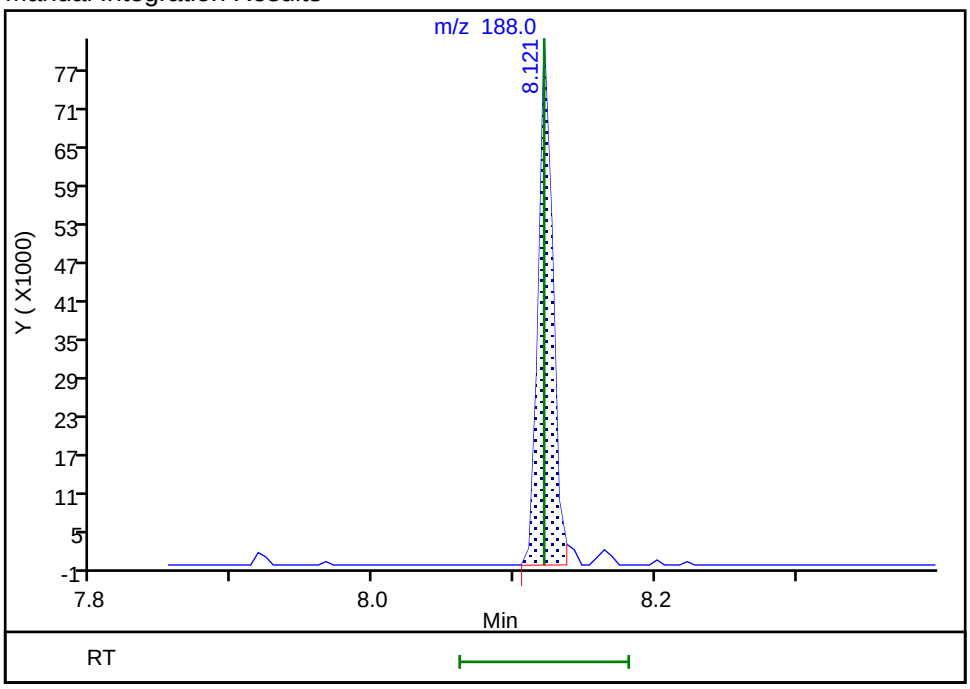
Processing Integration Results

RT: 8.12
Area: 58295
Amount: 100.0000
Amount Units: ug/L



Manual Integration Results

RT: 8.12
Area: 57564
Amount: 100.0000
Amount Units: ug/L



Reviewer: limmere, 07-Mar-2022 13:56:35
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

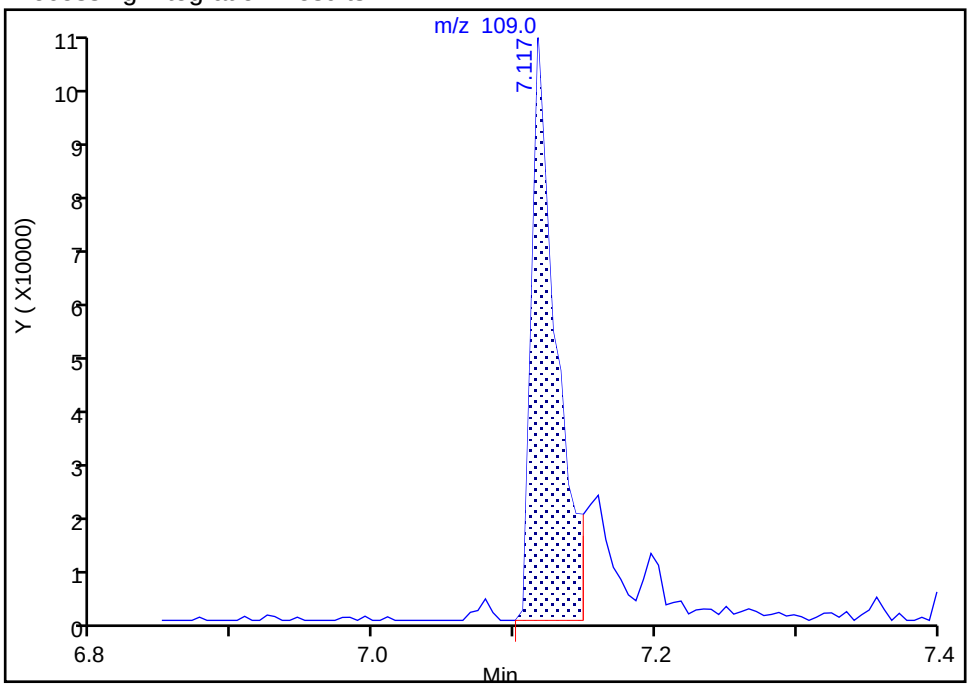
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A04.D
Injection Date: 07-Mar-2022 11:12:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

64 4-Nitrophenol, CAS: 100-02-7

Signal: 1

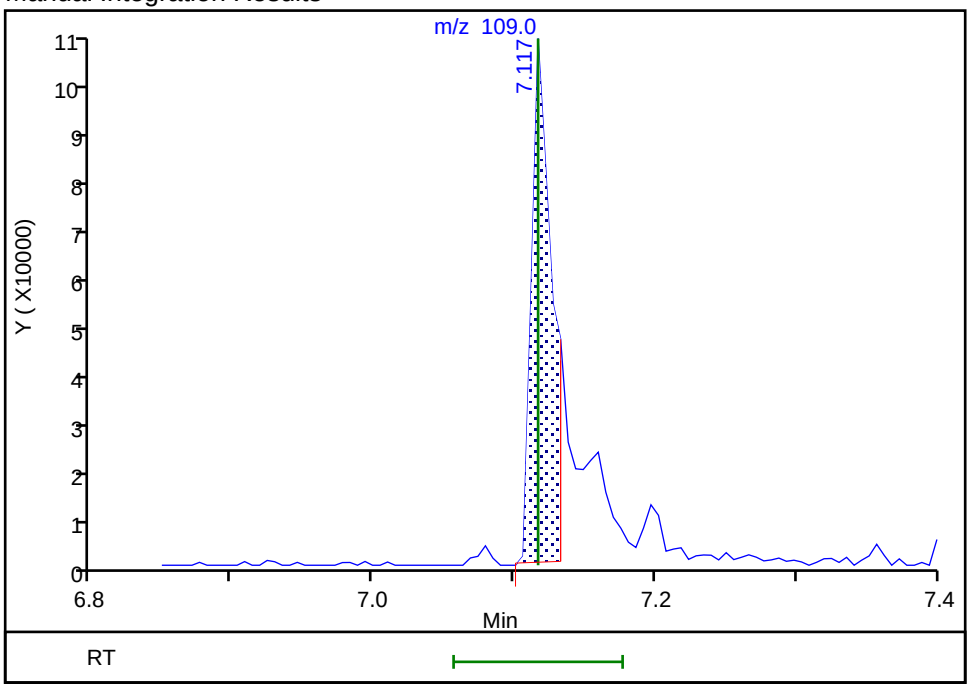
Processing Integration Results

RT: 7.12
Area: 128706
Amount: 2552.7088
Amount Units: ug/L



Manual Integration Results

RT: 7.12
Area: 106972
Amount: 2254.2364
Amount Units: ug/L



Reviewer: limmere, 07-Mar-2022 13:56:01
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

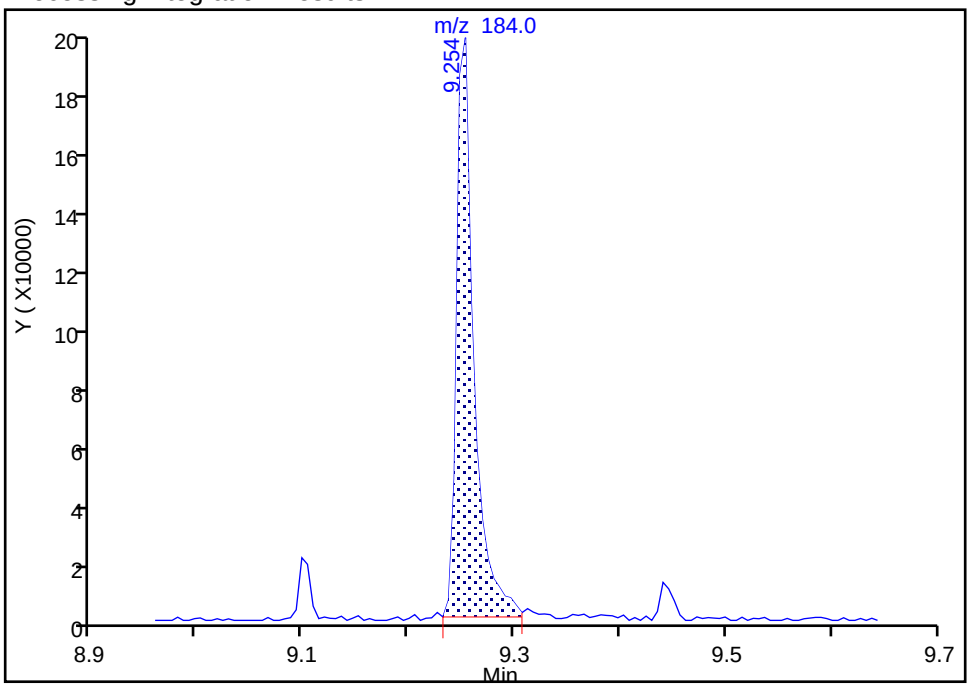
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A04.D
Injection Date: 07-Mar-2022 11:12:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

88 Benzidine, CAS: 92-87-5

Signal: 1

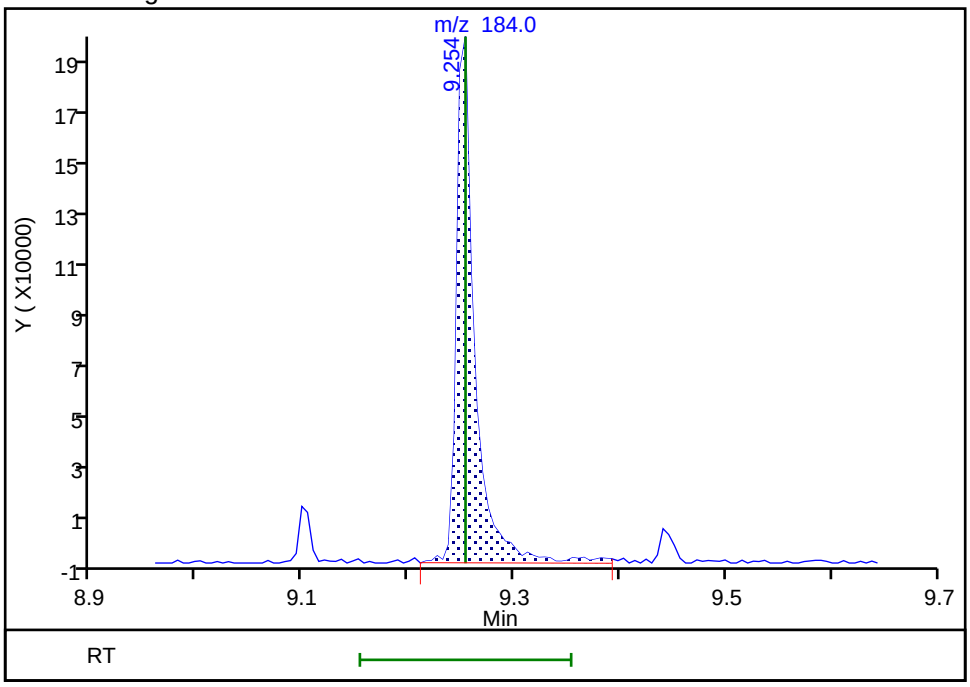
Processing Integration Results

RT: 9.25
Area: 223757
Amount: 1405.4318
Amount Units: ug/L



Manual Integration Results

RT: 9.25
Area: 239719
Amount: 1499.4725
Amount Units: ug/L



Reviewer: limmere, 07-Mar-2022 13:56:58
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

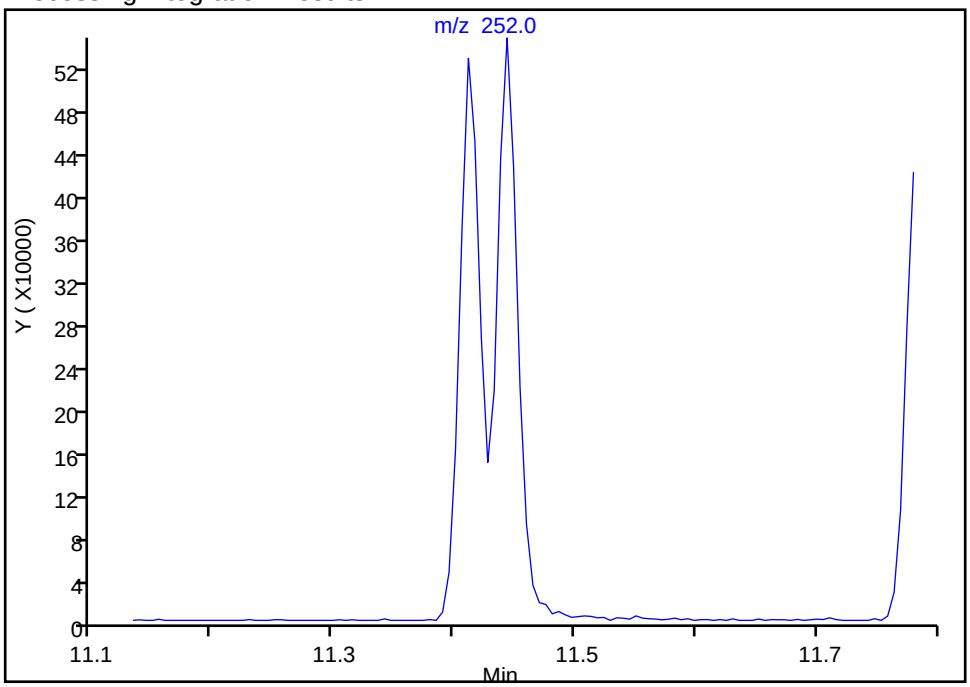
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A04.D
Injection Date: 07-Mar-2022 11:12:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

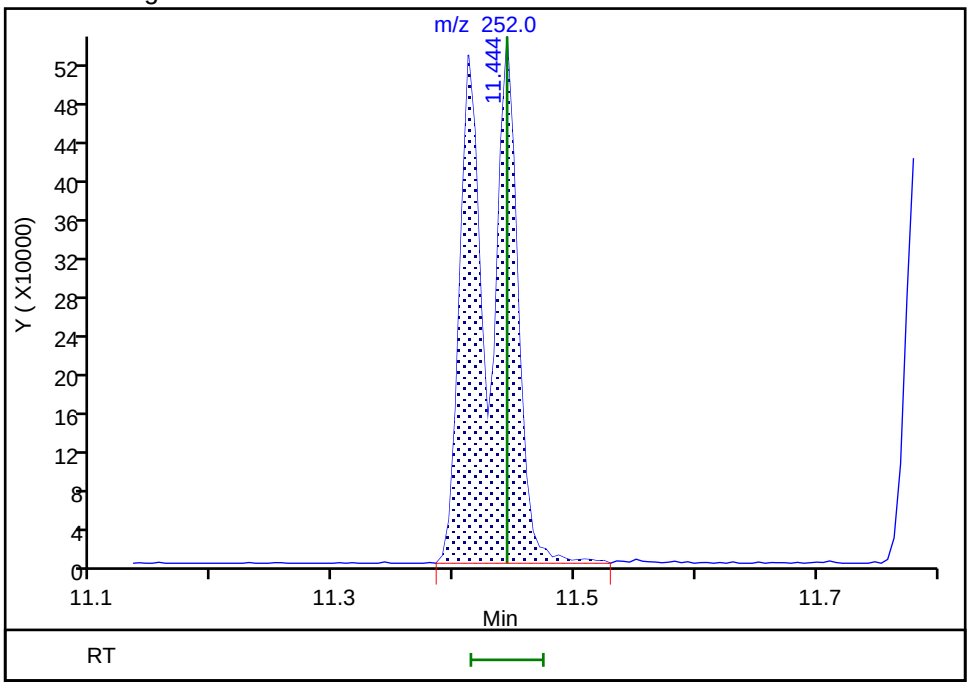
Not Detected
Expected RT: 11.44

Processing Integration Results



Manual Integration Results

RT: 11.44
Area: 1280999
Amount: 1814.4247
Amount Units: ug/L



Reviewer: limmere, 07-Mar-2022 13:57:08
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVL 580-383057/4 | Calibration Date: 03/07/2022 11:35

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30722A05.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.4499	0.0100	300	50.0	55.0	
Pyridine	Lin2		0.5808	0.0100	1600	100	32.7	
Bis(2-chloroethyl)ether	Ave	0.8637	0.7505	0.7000	43.4	50.0	-13.1	
Phenol	Ave	1.004	1.023	0.8000	300	50.0	1.9	
2-Chlorophenol	Ave	1.210	1.048	0.8000	43.3	50.0	-13.4	
n-Decane	Ave	0.7898	0.6854		300	50.0	-13.2	
1,3-Dichlorobenzene	Ave	1.441	1.315	0.0100	45.6	50.0	-8.8	
1,4-Dichlorobenzene	Ave	1.565	1.504	0.0100	48.1	50.0	-3.9	
1,2-Dichlorobenzene	Ave	1.465	1.384	0.0100	47.2	50.0	-5.6	
Benzyl alcohol	Lin2		0.3551	0.0100	250	50.0	-27.7	
bis (2-chloroisopropyl) ether	Ave	0.9704	0.8197	0.0100	42.2	50.0	-15.5	
o-Cresol	Ave	0.8394	0.7166	0.7000	42.7	50.0	-14.6	
Acetophenone	Ave	1.266	0.8305	0.0100	300	50.0	-34.4	
N-Nitrosodi-n-propylamine	Ave	0.4984	0.3685*	0.5000	37.0	50.0	-26.1	
m+p-Cresol	Lin2		0.5022*	0.6000	150	50.0	-30.6	
Hexachloroethane	Ave	0.5675	0.4922	0.3000	43.4	50.0	-13.3	
Nitrobenzene	Lin2		0.6997	0.2000	49.7	50.0	-0.7	
Isophorone	Ave	1.472	1.356	0.4000	150	50.0	-7.8	
2-Nitrophenol	Lin2		0.1365	0.1000	46.6	50.0	-6.9	
2,4-Dimethylphenol	Lin1		0.7743	0.2000	250	50.0	-13.2	
Bis(2-chloroethoxy)methane	Ave	0.9233	0.6045	0.3000	32.7	50.0	-34.5	
2,4-Dichlorophenol	Lin1		0.1598*	0.2000	250	50.0	-7.4	
1,2,4-Trichlorobenzene	Ave	0.3058	0.2737	0.0100	150	50.0	-10.5	
Naphthalene	Qua2		0.9076	0.7000	150	50.0	-14.8	
4-Chloroaniline	Lin1		0.1466	0.0100	800	50.0	-9.5	
2,6-Dichlorophenol	Qua1		0.3706	0.0100	150	50.0	-20.5	
Hexachlorobutadiene	Ave	0.1815	0.1699	0.0100	46.8	50.0	-6.4	
4-Chloro-3-methylphenol	Lin2		0.1981*	0.2000	150	50.0	24.1	
2-Methylnaphthalene	Ave	0.6515	0.4879	0.4000	37.4	50.0	-25.1	
1-Methylnaphthalene	Ave	0.6188	0.5731	0.0100	46.3	50.0	-7.4	
1,2,4,5-Tetrachlorobenzene	Qua		0.4453		250	50.0	-31.0	
2,4,6-Trichlorophenol	Lin2		0.1613*	0.2000	55.4	50.0	10.8	
2,4,5-Trichlorophenol	Lin1		0.0200*	0.2000	150	50.0	-6.4	
1,1'-Biphenyl	Ave	1.451	1.152	0.0100	39.7	50.0	-20.6	
2-Chloronaphthalene	Ave	1.139	0.9202	0.8000	40.4	50.0	-19.2	
2-Nitroaniline	Qua2		0.1783	0.0100	86.8	50.0	73.6	
Dimethyl phthalate	Lin1		1.046	0.0100	41.2	50.0	-17.6	
1,3-Dinitrobenzene	Qua2		0.0597			50.0	167.0	
2,6-Dinitrotoluene	Lin1		0.1857*	0.2000	64.1	50.0	28.1	
Acenaphthylene	Qua2		1.364	0.9000	37.7	50.0	-24.6	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVL 580-383057/4 | Calibration Date: 03/07/2022 11:35

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30722A05.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthene	Ave	1.170	1.011	0.9000	43.2	50.0	-13.6	
Dibenzofuran	Ave	1.488	1.390	0.8000	150	50.0	-6.6	
2,3,5,6-Tetrachlorophenol	Lin2		0.1214	0.0100	63.8	50.0	27.5	
2,3,4,6-Tetrachlorophenol	Lin2		0.2548	0.0100	67.4	50.0	34.9	
Diethyl phthalate	Ave	1.296	3.536	0.0100	136	50.0	172.8	
Fluorene	Ave	1.184	1.276	0.9000	53.9	50.0	7.8	
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5464	0.4000	50.1	50.0	0.3	
4,6-Dinitro-2-methylphenol	Lin1		0.0455	0.0100	600	100	116.7	
4-Nitroaniline	Lin1		0.1447	0.0100	250	50.0	80.8	
N-Nitrosodiphenylamine	Ave	0.5309	0.4440	0.0100	41.8	50.0	-16.4	
Azobenzene	Lin2		0.4245		42.2	50.0	-15.7	
4-Bromophenyl phenyl ether	Qua2		0.2471	0.1000	64.7	50.0	29.4	
Hexachlorobenzene	Ave	0.2584	0.2465	0.1000	47.7	50.0	-4.6	
Atrazine	Lin2		0.3174	0.0100	300	50.0	29.0	
n-Octadecane	Qua1		0.2128		250	50.0	-30.3	
Phenanthrene	Qua2		1.010	0.7000	150	50.0	-16.8	
Anthracene	Qua1		0.9823	0.7000	47.8	50.0	-4.4	
Carbazole	Qua1		0.8313	0.0100	150	50.0	-1.1	
Di-n-butyl phthalate	Qua1		1.325	0.0100	250	50.0	-13.7	
Fluoranthene	Qua1		0.9485	0.6000	38.8	50.0	-22.5	
Benzidine	Lin1		0.0698	0.0100	500	100	10.8	
Pyrene	Qua1		1.090	0.6000	41.2	50.0	-17.5	
Butyl benzyl phthalate	Qua1		0.6884	0.0100	300	50.0	9.2	
Benzo[a]anthracene	Qua1		1.101	0.8000	49.8	50.0	-0.5	
3,3'-Dichlorobenzidine	Qua1		0.3590	0.0100	300	100	13.3	
Chrysene	Qua2		1.150	0.7000	31.1	50.0	-37.9	
Bis(2-ethylhexyl) phthalate	Qua2		0.9000	0.0100	800	50.0	-2.2	
Di-n-octyl phthalate	Ave	1.324	1.236	0.0100	150	50.0	-6.6	
Benzo[b]fluoranthene	Lin2		1.015	0.7000	48.0	50.0	-4.0	
Benzo[a]pyrene	Lin2		0.8402	0.7000	45.9	50.0	-8.3	
Indeno[1,2,3-cd]pyrene	Lin1		0.9033	0.5000	150	50.0	7.7	
Dibenz(a,h)anthracene	Lin2		0.4740	0.4000	35.3	50.0	-29.3	
Benzo[g,h,i]perylene	Qua1		0.3667*	0.5000	45.0	50.0	-64.2	
2,4-Dinitrophenol	Lin1				1600	100	-100.0	
2,4-Dinitrotoluene	Lin2				150	50.0	-100.0	
3-Nitroaniline	Lin2				250	50.0	-100.0	
4-Nitrophenol	Lin1				3000	100	-100.0	
Aniline	Lin1				800	50.0	-100.0	
Benzo[k]fluoranthene	Ave	1.342			75.0	50.0		
Benzofluoranthene	Ave	1.229			90.0	100		
Benzoic acid	Lin1				1600	100	-100.0	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVL 580-383057/4 | Calibration Date: 03/07/2022 11:35

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30722A05.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Hexachlorocyclopentadiene	Ave	0.3528			150	50.0		
Pentachlorophenol	Lin2				500	100	-100.0	
2-Fluorophenol (Surr)	Lin2		0.6290		38.5	50.0	-23.1	
Phenol-d5 (Surr)	Lin1		0.7077		32.8	50.0	-34.3	
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.1724		36.2	50.0	-27.6	
2-Fluorobiphenyl	Ave	1.330	1.049		39.5	50.0	-21.1	
2,4,6-Tribromophenol (Surr)	Lin1		0.1250	0.0100	83.5	50.0	67.1	
Terphenyl-d14	Ave	0.7490	0.7498		50.1	50.0	0.1	

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A05.D
Lims ID: ccvl
Client ID:
Sample Type: CCVL
Inject. Date: 07-Mar-2022 11:35:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVL
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 08-Mar-2022 15:23:58 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 15:23:58

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.462	4.467	-0.005	81	18292	100.0	100.0	
* 2 Naphthalene-d8	136	5.477	5.482	-0.005	95	67508	100.0	100.0	
* 3 Acenaphthene-d10	164	6.903	6.908	-0.005	80	36159	100.0	100.0	
* 4 Phenanthrene-d10	188	8.121	8.121	0.000	87	58170	100.0	100.0	
* 5 Chrysene-d12	240	10.322	10.322	0.000	89	47548	100.0	100.0	
* 6 Perylene-d12	264	11.850	11.850	0.000	86	55220	100.0	100.0	
$ 7 2-Fluorophenol	112	3.511	3.511	0.000	44	5753	50.0	38.5	
$ 8 Phenol-d5	99	4.259	4.259	0.000	77	6473	50.0	32.8	
$ 9 Nitrobenzene-d5	82	4.906	4.906	-0.004	61	5820	50.0	36.2	
$ 10 2-methylnaphthalene-d10	152	6.033	6.027	0.001	0	16807	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.364	6.359	0.001	69	18969	50.0	39.5	
$ 12 2,4,6-Tribromophenol	330	7.571	7.567	0.006	1	3636	50.0	83.5	
$ 13 Fluoranthene-d10 (Surr)	212	9.104	9.099	0.005	0	26554	NC	NC	
$ 14 Terphenyl-d14	244	9.446	9.446	0.000	55	21808	50.0	50.1	
16 N-Nitrosodimethylamine	74	2.437	2.427	0.011	74	4115	50.0	77.5	
17 Pyridine	79	2.459	2.437	0.022	75	10624	100.0	132.7	
15 1,4-Dioxane	88	2.459	2.475	-0.016	1	912	NC	NC	
20 Bis(2-chloroethyl)ether	93	4.270	4.269	0.001	74	6864	50.0	43.4	
19 Phenol	94	4.270	4.270	0.001	65	9360	50.0	50.9	
21 2-Chlorophenol	128	4.329	4.324	0.006	55	9586	50.0	43.3	
22 n-Decane	57	4.345	4.345	0.001	70	6269	50.0	43.4	
23 1,3-Dichlorobenzene	146	4.419	4.420	0.000	73	12024	50.0	45.6	
25 1,4-Dichlorobenzene	146	4.478	4.478	0.000	71	13754	50.0	48.1	
27 1,2-Dichlorobenzene	146	4.596	4.596	0.001	74	12654	50.0	47.2	
26 Benzyl alcohol	79	4.601	4.601	0.000	17	3248	50.0	36.1	
29 2,2'-oxybis[1-chloropropane]	45	4.692	4.697	-0.005	69	7497	50.0	42.2	M
28 2-Methylphenol	108	4.719	4.719	0.001	45	6554	50.0	42.7	
30 Acetophenone	105	4.793	4.793	0.000	67	7596	50.0	32.8	
31 N-Nitrosodi-n-propylamine	70	4.793	4.794	-0.005	59	3370	50.0	37.0	
32 3 & 4 Methylphenol	108	4.852	4.852	0.000	30	4593	50.0	34.7	
33 Hexachloroethane	117	4.857	4.863	-0.005	73	4502	50.0	43.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.927	4.923	0.001	54	6399	50.0	49.7	
35 Isophorone	82	5.114	5.115	-0.005	80	12405	50.0	46.1	
36 2-Nitrophenol	139	5.178	5.173	0.001	46	4607	50.0	46.6	
37 2,4-Dimethylphenol	107	5.253	5.248	0.001	50	7082	50.0	43.4	
38 Bis(2-chloroethoxy)methane	93	5.306	5.301	0.000	73	5529	50.0	32.7	
40 2,4-Dichlorophenol	162	5.413	5.397	0.011	1	5393	50.0	46.3	
41 1,2,4-Trichlorobenzene	180	5.434	5.429	0.000	56	9238	50.0	44.7	
42 Naphthalene	128	5.498	5.494	0.000	66	30636	50.0	42.6	
43 4-Chloroaniline	127	5.563	5.558	0.001	37	4948	50.0	45.3	
44 2,6-Dichlorophenol	162	5.568	5.564	0.001	56	6701	50.0	39.7	
45 Hexachlorobutadiene	225	5.600	5.595	0.000	47	5734	50.0	46.8	
46 4-Chloro-3-methylphenol	107	6.011	5.995	0.011	12	3582	50.0	62.1	
47 2-Methylnaphthalene	142	6.059	6.054	0.000	58	16467	50.0	37.4	
48 1-Methylnaphthalene	142	6.140	6.133	0.001	44	19346	50.0	46.3	
50 1,2,4,5-Tetrachlorobenzene	216	6.193	6.188	0.001	45	8050	50.0	34.5	
52 2,4,6-Trichlorophenol	196	6.321	6.311	0.011	17	2916	50.0	55.4	
53 2,4,5-Trichlorophenol	196	6.375	6.359	0.012	1	361	50.0	46.8	
54 1,1'-Biphenyl	154	6.444	6.443	0.000	73	20821	50.0	39.7	
55 2-Chloronaphthalene	162	6.455	6.450	0.001	72	16636	50.0	40.4	
56 2-Nitroaniline	138	6.572	6.557	0.011	6	3223	50.0	86.8	
57 Dimethyl phthalate	163	6.711	6.706	0.000	76	18915	50.0	41.2	
58 1,3-Dinitrobenzene	168	6.754	6.728	0.022	29	1080	50.0	133.5	
59 2,6-Dinitrotoluene	165	6.759	6.755	0.006	27	3358	50.0	64.1	
60 Acenaphthylene	152	6.791	6.787	0.000	56	24661	50.0	37.7	
62 Acenaphthene	153	6.930	6.930	-0.005	63	18275	50.0	43.2	
66 Dibenzofuran	168	7.080	7.075	0.001	51	25126	50.0	46.7	
51 2,3,5,6-Tetrachlorophenol	232	7.171	7.155	0.012	1	2195	50.0	63.8	
67 2,3,4,6-Tetrachlorophenol	232	7.208	7.192	0.011	1	4606	50.0	67.4	
68 Diethyl phthalate	149	7.288	7.283	0.000	78	63934	50.0	136.4	
69 Fluorene	166	7.358	7.357	0.001	72	23074	50.0	53.9	
70 4-Chlorophenyl phenyl ether	204	7.363	7.363	-0.005	25	9879	50.0	50.1	
71 4-Nitroaniline	138	7.432	7.405	0.027	1	2616	50.0	90.4	
72 4,6-Dinitro-2-methylphenol	198	7.432	7.417	0.016	1	2646	100.0	216.7	
73 N-Nitrosodiphenylamine	169	7.475	7.470	0.006	15	12913	50.0	41.8	
74 Azobenzene	77	7.496	7.496	0.000	66	12348	50.0	42.2	
75 4-Bromophenyl phenyl ether	248	7.769	7.769	0.001	24	7186	50.0	64.7	
76 Hexachlorobenzene	284	7.801	7.801	0.001	29	7169	50.0	47.7	
77 Atrazine	200	7.918	7.913	0.000	11	5738	50.0	64.5	
79 n-Octadecane	57	8.063	8.063	0.001	37	6188	50.0	34.8	
80 Phenanthrene	178	8.143	8.143	0.001	78	29381	50.0	41.6	
81 Anthracene	178	8.186	8.186	0.001	57	28569	50.0	47.8	
83 Carbazole	167	8.340	8.336	0.005	31	24178	50.0	49.5	
84 Di-n-butyl phthalate	149	8.629	8.629	0.001	75	38542	50.0	43.1	
85 Fluoranthene	202	9.115	9.115	0.000	71	27588	50.0	38.8	
88 Benzidine	184	9.270	9.255	0.016	1	4058	100.0	110.8	
89 Pyrene	202	9.302	9.302	0.000	85	31695	50.0	41.2	
94 Butyl benzyl phthalate	149	9.858	9.858	0.001	52	16365	50.0	54.6	
96 3,3'-Dichlorobenzidine	252	10.317	10.311	0.006	1	17072	100.0	113.3	
97 Benzo[a]anthracene	228	10.312	10.312	0.001	86	26171	50.0	49.8	
99 Chrysene	228	10.349	10.349	0.000	56	27343	50.0	31.1	
98 Bis(2-ethylhexyl) phthalate	149	10.371	10.376	-0.005	64	21397	50.0	48.9	
100 Di-n-octyl phthalate	149	11.038	11.038	0.000	55	34135	50.0	46.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
101 Benzo[b]fluoranthene	252	11.412	11.412	0.000	68	28016	50.0	48.0	
104 Benzo[a]pyrene	252	11.786	11.786	0.000	31	23198	50.0	45.9	
105 Indeno[1,2,3-cd]pyrene	276	13.164	13.148	0.011	48	24939	50.0	53.8	
106 Dibenz(a,h)anthracene	278	13.191	13.186	0.000	1	13086	50.0	35.3	
107 Benzo[g,h,i]perylene	276	13.474	13.479	-0.010	60	10124	50.0	17.9	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated

Reagents:

8270ccvl_50_00039 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 15:23:59 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A05.D

Injection Date: 07-Mar-2022 11:35:30 Instrument ID: TAC051

Lims ID: ccvl

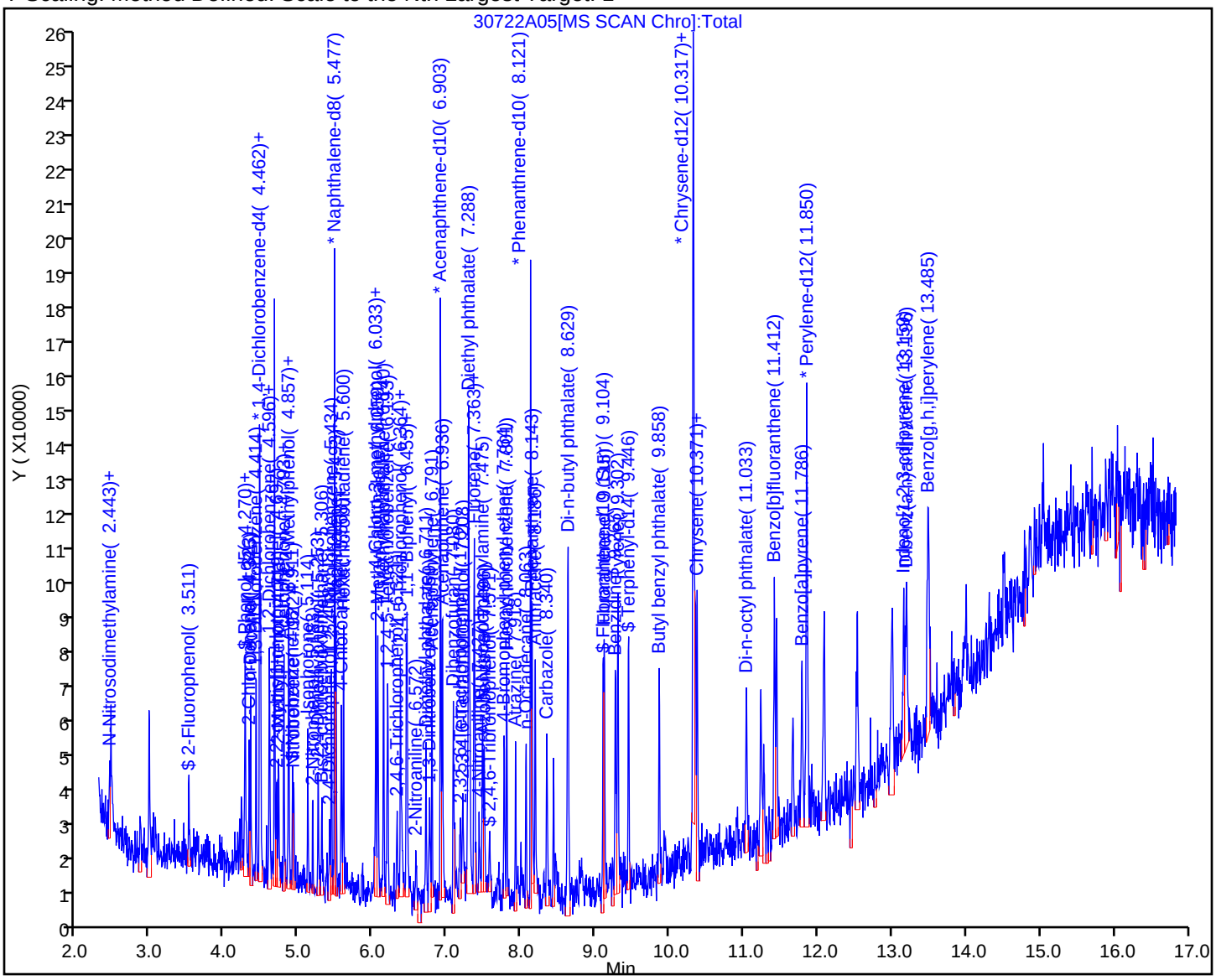
Client ID:

Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

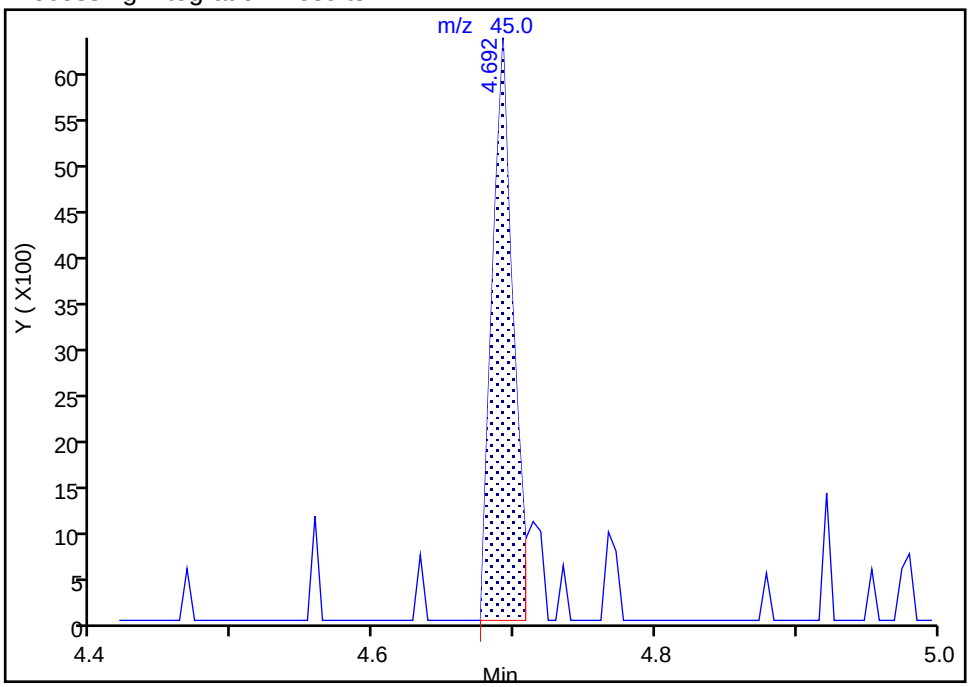
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A05.D
Injection Date: 07-Mar-2022 11:35:30 Instrument ID: TAC051
Lims ID: ccvl
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Signal: 1

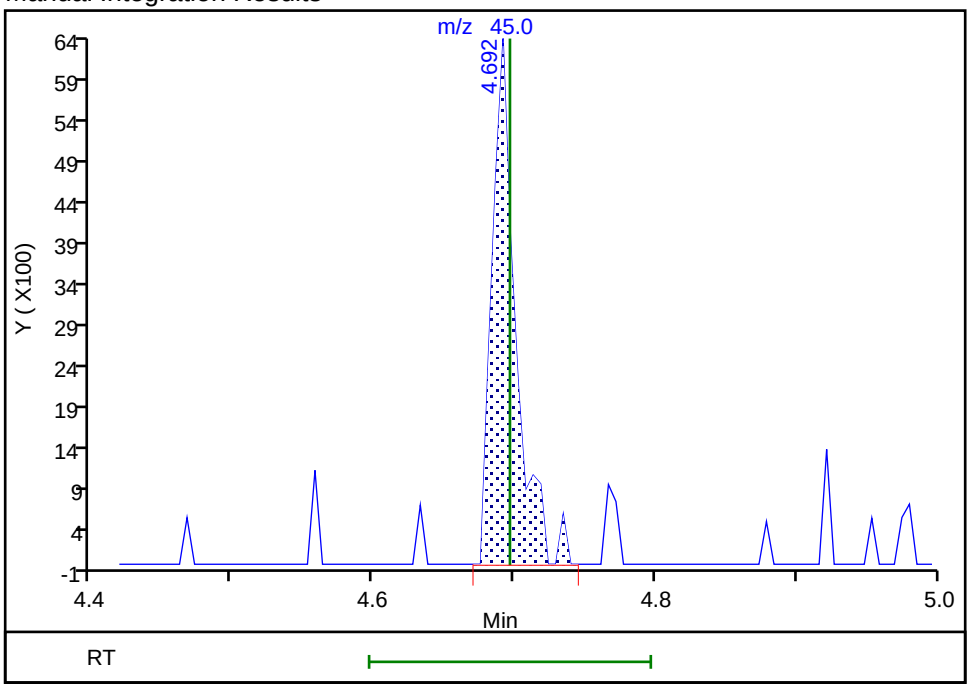
Processing Integration Results

RT: 4.69
Area: 6585
Amount: 37.098902
Amount Units: ug/L



Manual Integration Results

RT: 4.69
Area: 7497
Amount: 42.236974
Amount Units: ug/L



Reviewer: limmere, 07-Mar-2022 13:58:36
Audit Action: Manually Integrated Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVC 580-383057/27 | Calibration Date: 03/07/2022 20:20

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30722A27.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.3717	0.0100	905	1000	-9.5	50.0
Pyridine	Lin2		0.6170	0.0100	1710	2000	-14.7	50.0
Aniline	Lin1		1.115	0.0100	889	1000	-11.1	50.0
Bis(2-chloroethyl)ether	Ave	0.8637	0.8323	0.7000	964	1000	-3.6	50.0
Phenol	Ave	1.004	1.036	0.8000	1030	1000	3.2	50.0
2-Chlorophenol	Ave	1.210	1.299	0.8000	1070	1000	7.3	50.0
n-Decane	Ave	0.7898	0.6241		790	1000	-21.0	50.0
1,3-Dichlorobenzene	Ave	1.441	1.509	0.0100	1050	1000	4.7	50.0
1,4-Dichlorobenzene	Ave	1.565	1.527	0.0100	976	1000	-2.4	50.0
1,2-Dichlorobenzene	Ave	1.465	1.511	0.0100	1030	1000	3.1	50.0
Benzyl alcohol	Lin2		0.4918	0.0100	804	1000	-19.6	50.0
bis (2-chloroisopropyl) ether	Ave	0.9704	0.7249	0.0100	747	1000	-25.3	50.0
o-Cresol	Ave	0.8394	0.9463	0.7000	1130	1000	12.7	50.0
Acetophenone	Ave	1.266	1.326	0.0100	1050	1000	4.7	50.0
N-Nitrosodi-n-propylamine	Ave	0.4984	0.4783*	0.5000	960	1000	-4.0	50.0
m+p-Cresol	Lin2		0.9418	0.6000	1080	1000	7.6	50.0
Hexachloroethane	Ave	0.5675	0.5752	0.3000	1010	1000	1.4	50.0
Nitrobenzene	Lin2		0.8038	0.2000	948	1000	-5.2	50.0
Isophorone	Ave	1.472	1.527	0.4000	1040	1000	3.7	50.0
2-Nitrophenol	Lin2		0.1771	0.1000	1030	1000	2.8	50.0
2,4-Dimethylphenol	Lin1		1.107	0.2000	1110	1000	11.2	50.0
Bis(2-chloroethoxy)methane	Ave	0.9233	0.9452	0.3000	1020	1000	2.4	50.0
Benzoic acid	Lin1		0.1857	0.0100	2000	2000	-0.1	50.0
2,4-Dichlorophenol	Lin1		0.2658	0.2000	1000	1000	0.4	50.0
1,2,4-Trichlorobenzene	Ave	0.3058	0.2945	0.0100	963	1000	-3.7	50.0
Naphthalene	Qua2		0.9597	0.7000	965	1000	-3.5	50.0
2,6-Dichlorophenol	Qua1		0.4820	0.0100	929	1000	-7.1	50.0
4-Chloroaniline	Lin1		0.3103	0.0100	890	1000	-11.0	50.0
Hexachlorobutadiene	Ave	0.1815	0.1931	0.0100	1060	1000	6.4	50.0
4-Chloro-3-methylphenol	Lin2		0.3882	0.2000	999	1000	-0.1	50.0
2-Methylnaphthalene	Ave	0.6515	0.6863	0.4000	1050	1000	5.3	50.0
1-Methylnaphthalene	Ave	0.6188	0.6351	0.0100	1030	1000	2.6	50.0
Hexachlorocyclopentadiene	Ave	0.3528	0.2731	0.0500	774	1000	-22.6	50.0
1,2,4,5-Tetrachlorobenzene	Qua		0.4956		941	1000	-5.9	50.0
2,4,6-Trichlorophenol	Lin2		0.3210	0.2000	1000	1000	-0.0	50.0
2,4,5-Trichlorophenol	Lin1		0.3396	0.2000	930	1000	-7.0	50.0
1,1'-Biphenyl	Ave	1.451	1.367	0.0100	942	1000	-5.8	50.0
2-Chloronaphthalene	Ave	1.139	1.063	0.8000	933	1000	-6.7	50.0
2-Nitroaniline	Qua2		0.3434	0.0100	1070	1000	7.1	50.0
Dimethyl phthalate	Lin1		1.260	0.0100	1070	1000	7.2	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVC 580-383057/27 | Calibration Date: 03/07/2022 20:20

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30722A27.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1		0.3111	0.2000	1070	1000	6.5	50.0
Acenaphthylene	Qua2		1.644	0.9000	976	1000	-2.4	50.0
3-Nitroaniline	Lin2		0.2701	0.0100	963	1000	-3.7	50.0
Acenaphthene	Ave	1.170	1.100	0.9000	940	1000	-6.0	50.0
2,4-Dinitrophenol	Lin1		0.0581	0.0100	1040	2000	-48.2	50.0
Dibenzofuran	Ave	1.488	1.521	0.8000	1020	1000	2.2	50.0
2,4-Dinitrotoluene	Lin2		0.3757	0.2000	1000	1000	0.3	50.0
4-Nitrophenol	Lin1		0.1505	0.0100	2320	2000	16.2	50.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2797	0.0100	1090	1000	9.0	50.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3253	0.0100	1080	1000	8.4	50.0
Diethyl phthalate	Ave	1.296	1.444	0.0100	1110	1000	11.4	50.0
Fluorene	Ave	1.184	1.217	0.9000	1030	1000	2.8	50.0
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5488	0.4000	1010	1000	0.7	50.0
4-Nitroaniline	Lin1		0.2021	0.0100	774	1000	-22.6	50.0
4,6-Dinitro-2-methylphenol	Lin1		0.0680	0.0100	1220	2000	-39.2	50.0
N-Nitrosodiphenylamine	Ave	0.5309	0.6055	0.0100	1140	1000	14.1	50.0
Azobenzene	Lin2		0.5615		1020	1000	1.8	50.0
4-Bromophenyl phenyl ether	Qua2		0.2583	0.1000	1170	1000	16.9	50.0
Hexachlorobenzene	Ave	0.2584	0.3058	0.1000	1180	1000	18.3	50.0
Atrazine	Lin2		0.3437	0.0100	1030	1000	2.5	50.0
Pentachlorophenol	Lin2		0.1510	0.0500	2120	2000	6.1	50.0
n-Octadecane	Qua1		0.2740		866	1000	-13.4	50.0
Phenanthrene	Qua2		1.158	0.7000	1030	1000	3.1	50.0
Anthracene	Qua1		1.175	0.7000	1010	1000	0.8	50.0
Carbazole	Qua1		1.043	0.0100	1170	1000	17.1	50.0
Di-n-butyl phthalate	Qua1		1.532	0.0100	1090	1000	8.8	50.0
Fluoranthene	Qua1		1.228	0.6000	1030	1000	2.8	50.0
Benzidine	Lin1		0.2877	0.0100	2040	2000	1.9	50.0
Pyrene	Qua1		1.245	0.6000	1010	1000	1.4	50.0
Butyl benzyl phthalate	Qua1		0.7869	0.0100	1090	1000	9.2	50.0
3,3'-Dichlorobenzidine	Qua1		0.4883	0.0100	2420	2000	21.0	50.0
Benzo[a]anthracene	Qua1		1.309	0.8000	1050	1000	4.8	50.0
Chrysene	Qua2		1.315	0.7000	999	1000	-0.1	50.0
Bis(2-ethylhexyl) phthalate	Qua2		1.141	0.0100	1230	1000	22.6	50.0
Di-n-octyl phthalate	Ave	1.324	1.588	0.0100	1200	1000	19.9	50.0
Benzo[b]fluoranthene	Lin2		1.150	0.7000	1040	1000	3.8	50.0
Benzofluoranthene	Ave	1.229	1.177		1920	2000	-4.2	50.0
Benzo[k]fluoranthene	Ave	1.342	1.272	0.7000	947	1000	-5.3	50.0
Benzo[a]pyrene	Lin2		1.047	0.7000	1030	1000	2.8	50.0
Indeno[1,2,3-cd]pyrene	Lin1		1.078	0.5000	1060	1000	6.1	50.0
Dibenz(a,h)anthracene	Lin2		1.185	0.4000	1080	1000	8.4	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVC 580-383057/27 Calibration Date: 03/07/2022 20:20

Instrument ID: TAC051 Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/24/2022 20:31

Lab File ID: 30722A27.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua1		1.155	0.5000	911	1000	-8.9	50.0
2-Fluorophenol (Surr)	Lin2		0.9744		1050	1000	4.9	50.0
Phenol-d5 (Surr)	Lin1		1.012		982	1000	-1.8	50.0
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2409		1010	1000	1.2	50.0
2-Fluorobiphenyl	Ave	1.330	1.224		921	1000	-7.9	50.0
2,4,6-Tribromophenol (Surr)	Lin1		0.1780	0.0100	1300	1000	30.3	50.0
Terphenyl-d14	Ave	0.7490	0.8644		1150	1000	15.4	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A27.D
Lims ID: ccvc
Client ID:
Sample Type: CCVC
Inject. Date: 07-Mar-2022 20:20:30 ALS Bottle#: 3 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVC
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 11:43:28 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1643

First Level Reviewer: limmere Date: 09-Mar-2022 11:43:28

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.468	4.467	0.001	89	16633	100.0	100.0	M
* 2 Naphthalene-d8	136	5.477	5.482	-0.005	96	63367	100.0	100.0	
* 3 Acenaphthene-d10	164	6.904	6.908	-0.004	65	36626	100.0	100.0	
* 4 Phenanthrene-d10	188	8.122	8.121	0.001	87	52268	100.0	100.0	
* 5 Chrysene-d12	240	10.322	10.322	0.000	70	46604	100.0	100.0	
* 6 Perylene-d12	264	11.850	11.850	0.000	87	58518	100.0	100.0	
$ 7 2-Fluorophenol	112	3.506	3.511	-0.005	84	162078	1000.0	1049.2	
$ 8 Phenol-d5	99	4.259	4.259	0.000	98	168326	1000.0	982.3	
$ 9 Nitrobenzene-d5	82	4.911	4.906	0.001	85	152661	1000.0	1012.1	
$ 10 2-methylnaphthalene-d10	152	6.033	6.027	0.001	0	379728	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.364	6.359	0.001	99	448310	1000.0	920.5	
$ 12 2,4,6-Tribromophenol	330	7.561	7.567	-0.004	82	93060	1000.0	1303.3	
$ 13 Fluoranthene-d10 (Surr)	212	9.099	9.099	0.000	0	581838	NC	NC	
$ 14 Terphenyl-d14	244	9.441	9.446	-0.005	98	451823	1000.0	1154.2	
16 N-Nitrosodimethylamine	74	2.427	2.427	0.001	68	61826	1000.0	905.5	
17 Pyridine	79	2.438	2.437	0.001	91	205267	2000.0	1705.5	
18 Aniline	93	4.222	4.221	0.001	97	185467	1000.0	889.4	
20 Bis(2-chloroethyl)ether	93	4.270	4.269	0.001	90	138437	1000.0	963.6	
19 Phenol	94	4.270	4.270	0.001	89	172376	1000.0	1031.8	
21 2-Chlorophenol	128	4.323	4.324	0.000	90	216129	1000.0	1073.5	
22 n-Decane	57	4.345	4.345	0.001	78	103814	1000.0	790.3	
23 1,3-Dichlorobenzene	146	4.419	4.420	0.000	97	250949	1000.0	1046.7	
25 1,4-Dichlorobenzene	146	4.478	4.478	0.000	96	254067	1000.0	976.2	
27 1,2-Dichlorobenzene	146	4.596	4.596	0.001	97	251356	1000.0	1031.3	
26 Benzyl alcohol	79	4.601	4.601	0.000	72	81796	1000.0	803.7	
29 2,2'-oxybis[1-chloropropane]	45	4.692	4.697	-0.005	65	120576	1000.0	747.1	
28 2-Methylphenol	108	4.719	4.719	0.001	85	157390	1000.0	1127.3	
30 Acetophenone	105	4.788	4.793	-0.005	94	220491	1000.0	1046.9	
31 N-Nitrosodi-n-propylamine	70	4.793	4.794	-0.005	70	79548	1000.0	959.7	
32 3 & 4 Methylphenol	108	4.847	4.852	-0.005	95	156655	1000.0	1076.3	
33 Hexachloroethane	117	4.857	4.863	-0.005	88	95673	1000.0	1013.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.922	4.923	-0.004	90	133688	1000.0	948.0	
35 Isophorone	82	5.119	5.115	0.000	95	253931	1000.0	1037.3	
36 2-Nitrophenol	139	5.178	5.173	0.001	89	112253	1000.0	1028.2	
37 2,4-Dimethylphenol	107	5.253	5.248	0.001	91	184162	1000.0	1111.7	
38 Bis(2-chloroethoxy)methane	93	5.301	5.301	-0.005	94	157219	1000.0	1023.8	
39 Benzoic acid	105	5.349	5.339	-0.005	80	235392	2000.0	1997.9	
40 2,4-Dichlorophenol	162	5.402	5.397	0.000	88	168423	1000.0	1003.8	
41 1,2,4-Trichlorobenzene	180	5.434	5.429	0.000	96	186635	1000.0	963.2	
42 Naphthalene	128	5.493	5.494	-0.005	96	608119	1000.0	964.8	
43 4-Chloroaniline	127	5.563	5.558	0.001	78	196641	1000.0	889.9	
44 2,6-Dichlorophenol	162	5.563	5.564	-0.004	91	176535	1000.0	928.7	
45 Hexachlorobutadiene	225	5.600	5.595	0.000	89	122359	1000.0	1063.9	
46 4-Chloro-3-methylphenol	107	6.001	5.995	0.001	85	142187	1000.0	998.6	
47 2-Methylnaphthalene	142	6.059	6.054	0.000	82	434882	1000.0	1053.5	
48 1-Methylnaphthalene	142	6.140	6.133	0.001	89	402463	1000.0	1026.5	
49 Hexachlorocyclopentadiene	237	6.182	6.183	-0.005	85	100039	1000.0	774.2	
50 1,2,4,5-Tetrachlorobenzene	216	6.193	6.188	0.001	94	181514	1000.0	941.5	
52 2,4,6-Trichlorophenol	196	6.311	6.311	0.001	87	117555	1000.0	999.6	
53 2,4,5-Trichlorophenol	196	6.364	6.359	0.001	51	124384	1000.0	929.8	
54 1,1'-Biphenyl	154	6.444	6.443	0.000	94	500584	1000.0	942.1	
55 2-Chloronaphthalene	162	6.455	6.450	0.001	96	389472	1000.0	933.3	
56 2-Nitroaniline	138	6.562	6.557	0.001	91	125788	1000.0	1070.9	
57 Dimethyl phthalate	163	6.706	6.706	-0.005	98	461337	1000.0	1071.7	
58 1,3-Dinitrobenzene	168	6.733	6.728	0.001	61	72948	1000.0	1121.9	
59 2,6-Dinitrotoluene	165	6.754	6.755	0.001	71	113937	1000.0	1065.1	
60 Acenaphthylene	152	6.791	6.787	0.000	91	602195	1000.0	976.1	
61 3-Nitroaniline	138	6.904	6.903	0.001	84	98928	1000.0	962.6	
62 Acenaphthene	153	6.930	6.930	-0.005	90	403063	1000.0	940.4	
63 2,4-Dinitrophenol	184	6.984	6.984	0.001	83	42587	2000.0	1036.3	Ma
66 Dibenzofuran	168	7.074	7.075	-0.005	87	557121	1000.0	1022.4	
65 2,4-Dinitrotoluene	165	7.080	7.080	-0.005	66	137592	1000.0	1003.4	
64 4-Nitrophenol	109	7.117	7.117	0.000	79	110208	2000.0	2323.2	M
51 2,3,5,6-Tetrachlorophenol	232	7.160	7.155	0.001	74	102455	1000.0	1090.4	
67 2,3,4,6-Tetrachlorophenol	232	7.197	7.192	0.000	67	119157	1000.0	1083.6	
68 Diethyl phthalate	149	7.283	7.283	-0.005	97	528803	1000.0	1113.8	
69 Fluorene	166	7.358	7.357	0.001	83	445839	1000.0	1028.1	
70 4-Chlorophenyl phenyl ether	204	7.363	7.363	-0.005	91	200992	1000.0	1006.9	
71 4-Nitroaniline	138	7.406	7.405	0.001	84	74019	1000.0	773.6	
72 4,6-Dinitro-2-methylphenol	198	7.411	7.417	-0.005	85	71097	2000.0	1216.6	
73 N-Nitrosodiphenylamine	169	7.470	7.470	0.001	60	316505	1000.0	1140.7	
74 Azobenzene	77	7.491	7.496	-0.005	87	293498	1000.0	1018.0	
75 4-Bromophenyl phenyl ether	248	7.764	7.769	-0.004	58	135007	1000.0	1169.4	
76 Hexachlorobenzene	284	7.801	7.801	0.001	84	159843	1000.0	1183.3	
77 Atrazine	200	7.919	7.913	0.001	92	125899	1000.0	1025.0	
78 Pentachlorophenol	266	7.983	7.983	0.001	84	157810	2000.0	2121.4	
79 n-Octadecane	57	8.057	8.063	-0.005	89	143211	1000.0	865.8	
80 Phenanthrene	178	8.138	8.143	-0.004	96	605030	1000.0	1031.1	
81 Anthracene	178	8.180	8.186	-0.005	96	614031	1000.0	1008.1	
83 Carbazole	167	8.335	8.336	0.000	81	545194	1000.0	1171.4	
84 Di-n-butyl phthalate	149	8.629	8.629	0.001	99	800590	1000.0	1087.5	
85 Fluoranthene	202	9.115	9.115	0.000	96	641988	1000.0	1028.2	
88 Benzidine	184	9.249	9.255	-0.005	97	300775	2000.0	2038.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.297	9.302	-0.005	98	650891	1000.0	1013.6	
94 Butyl benzyl phthalate	149	9.858	9.858	0.001	91	366746	1000.0	1091.8	
96 3,3'-Dichlorobenzidine	252	10.312	10.311	0.001	61	455160	2000.0	2419.0	
97 Benzo[a]anthracene	228	10.312	10.312	0.001	98	610137	1000.0	1047.6	
99 Chrysene	228	10.344	10.349	-0.005	92	612954	1000.0	998.6	
98 Bis(2-ethylhexyl) phthalate	149	10.371	10.376	-0.004	76	531953	1000.0	1225.5	
100 Di-n-octyl phthalate	149	11.038	11.038	0.000	97	929016	1000.0	1199.1	
101 Benzo[b]fluoranthene	252	11.412	11.412	0.000	92	673070	1000.0	1038.4	
102 Benzofluoranthene	252	11.412	11.412	-0.032	1	1377882	2000.0	1916.1	a
103 Benzo[k]fluoranthene	252	11.439	11.444	-0.005	93	744252	1000.0	947.4	
104 Benzo[a]pyrene	252	11.781	11.786	-0.005	74	612773	1000.0	1027.7	
105 Indeno[1,2,3-cd]pyrene	276	13.154	13.148	0.001	99	630533	1000.0	1061.4	
106 Dibenz(a,h)anthracene	278	13.191	13.186	0.000	65	693462	1000.0	1083.5	
107 Benzo[g,h,i]perylene	276	13.480	13.479	-0.004	92	675896	1000.0	911.3	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 09-Mar-2022 11:43:29 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A27.D

Injection Date: 07-Mar-2022 20:20:30 Instrument ID: TAC051

Lims ID: ccvc

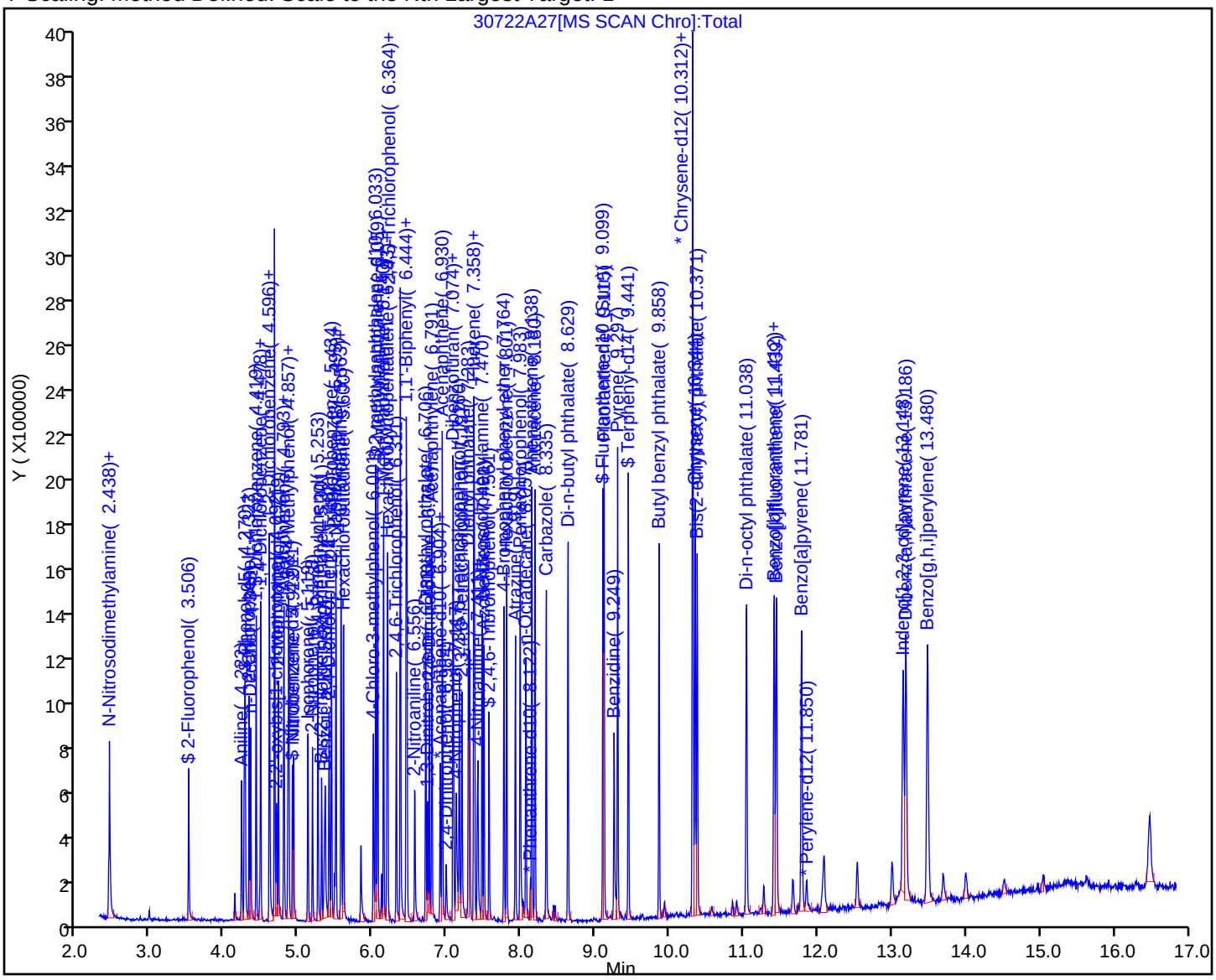
Client ID:

Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 27

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

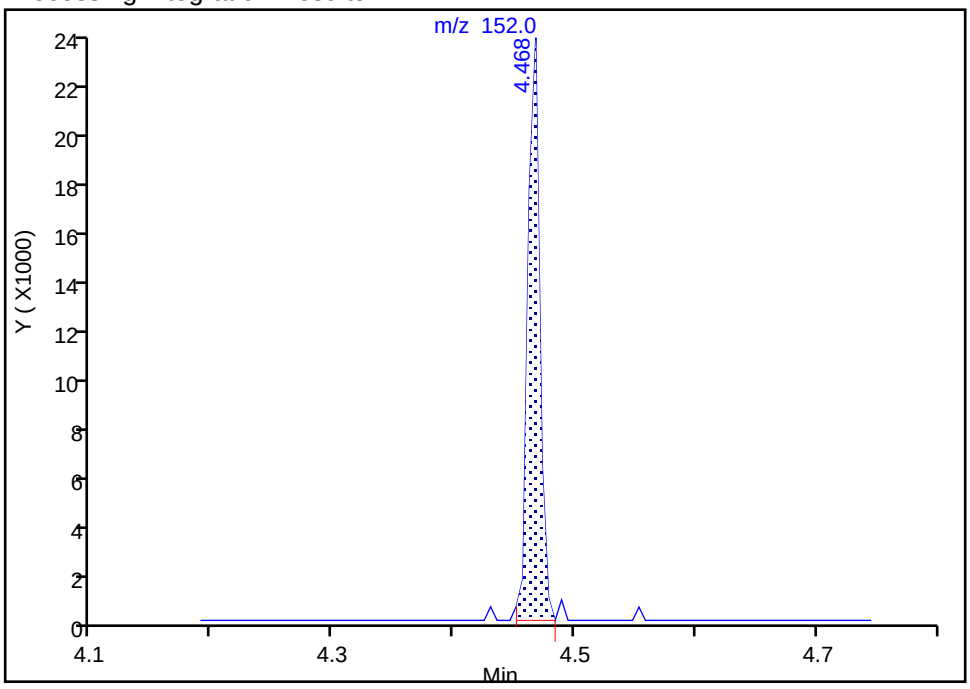
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A27.D
Injection Date: 07-Mar-2022 20:20:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

* 1 1,4-Dichlorobenzene-d4, CAS: 3855-82-1

Signal: 1

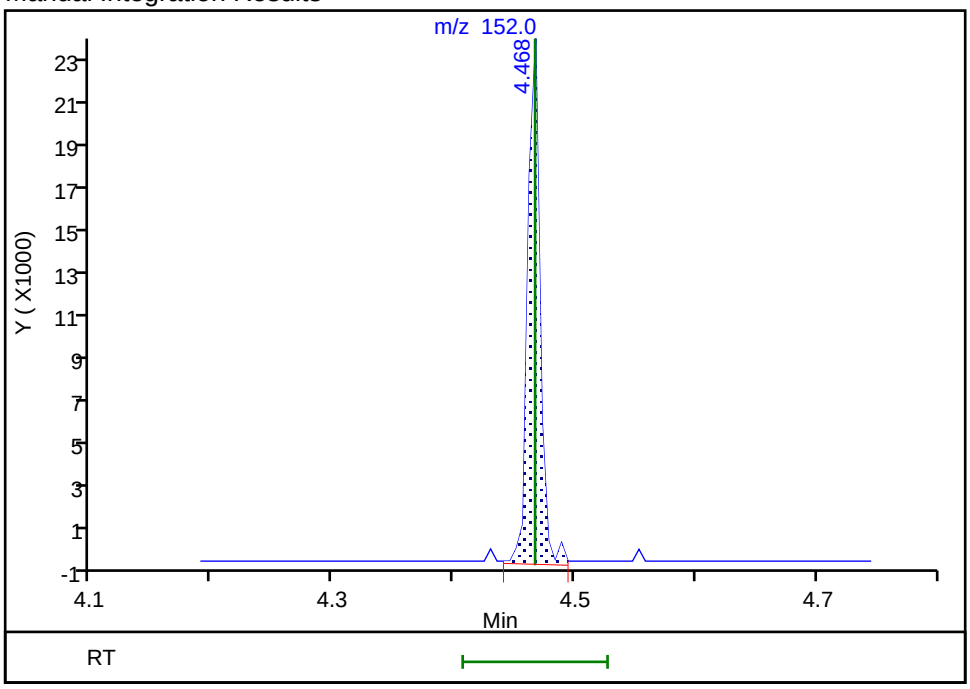
Processing Integration Results

RT: 4.47
Area: 15877
Amount: 100.0000
Amount Units: ug/L



Manual Integration Results

RT: 4.47
Area: 16633
Amount: 100.0000
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 10:32:05
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

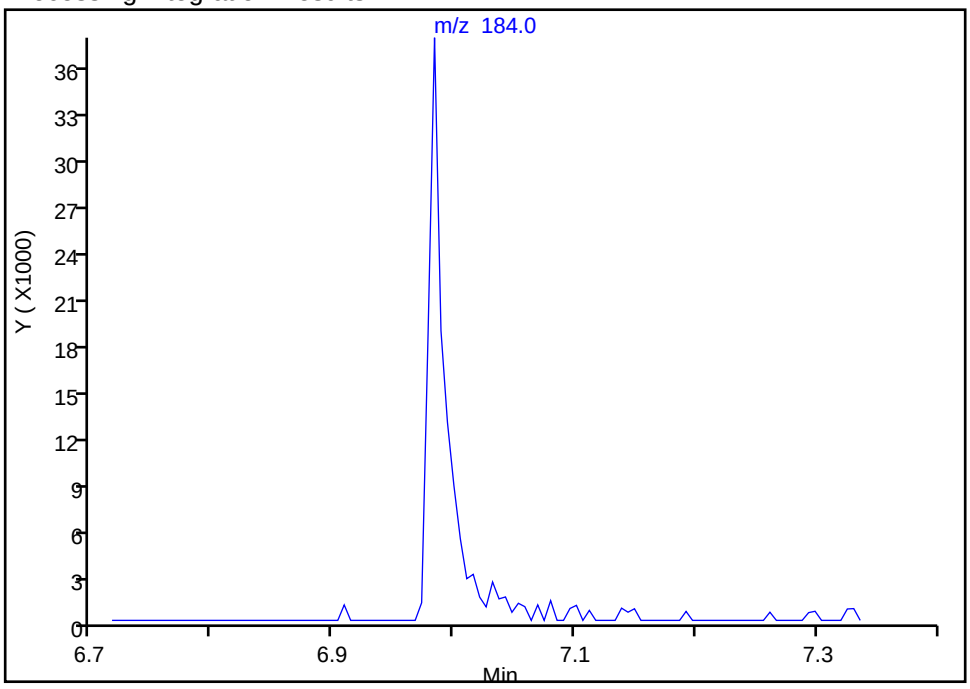
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A27.D
Injection Date: 07-Mar-2022 20:20:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

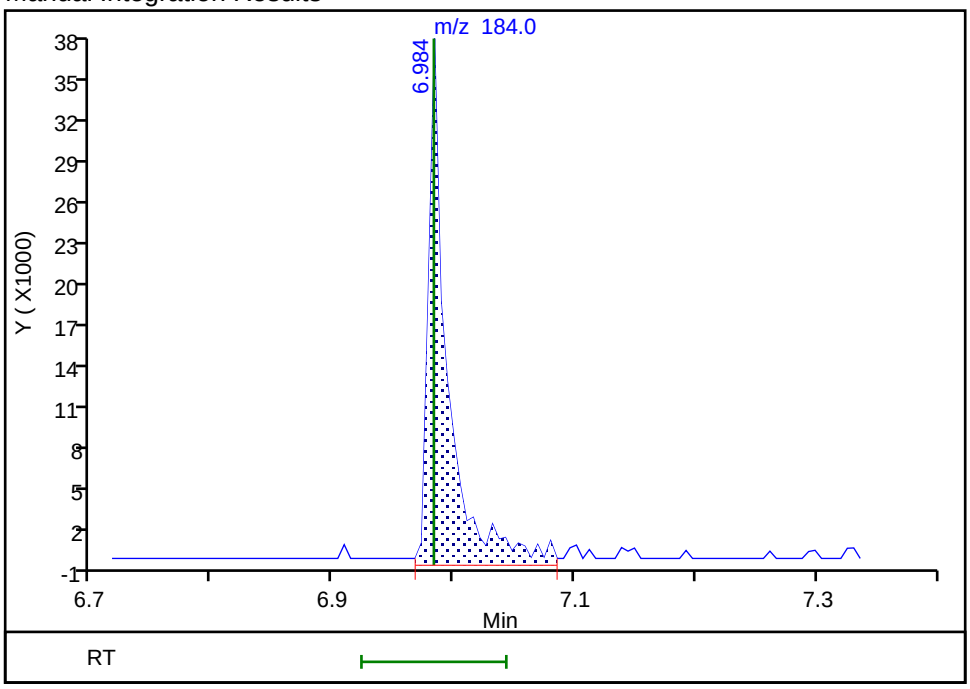
Not Detected
Expected RT: 6.98

Processing Integration Results



Manual Integration Results

RT: 6.98
Area: 42587
Amount: 1036.3064
Amount Units: ug/L



Reviewer: limmere, 09-Mar-2022 11:43:19
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

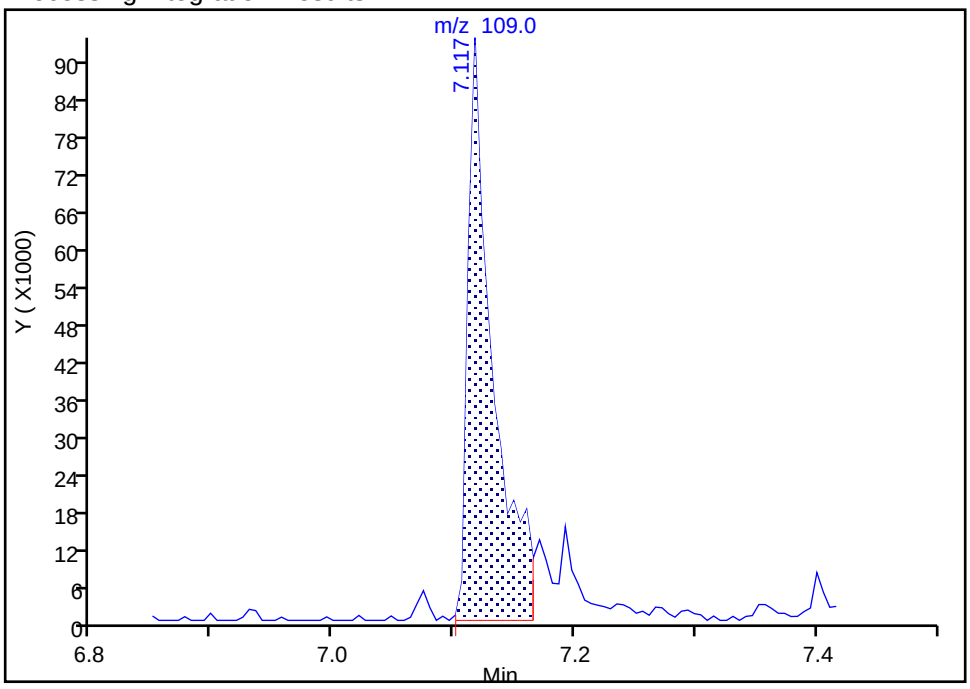
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A27.D
Injection Date: 07-Mar-2022 20:20:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

64 4-Nitrophenol, CAS: 100-02-7

Signal: 1

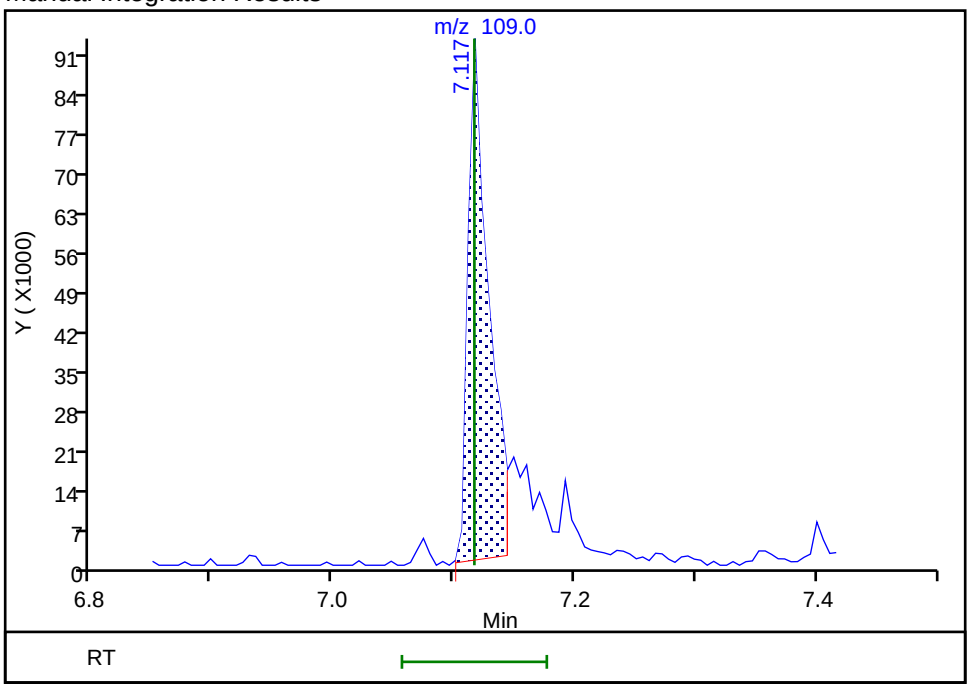
Processing Integration Results

RT: 7.12
Area: 133343
Amount: 2646.0869
Amount Units: ug/L



Manual Integration Results

RT: 7.12
Area: 110208
Amount: 2323.2219
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 10:32:47
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

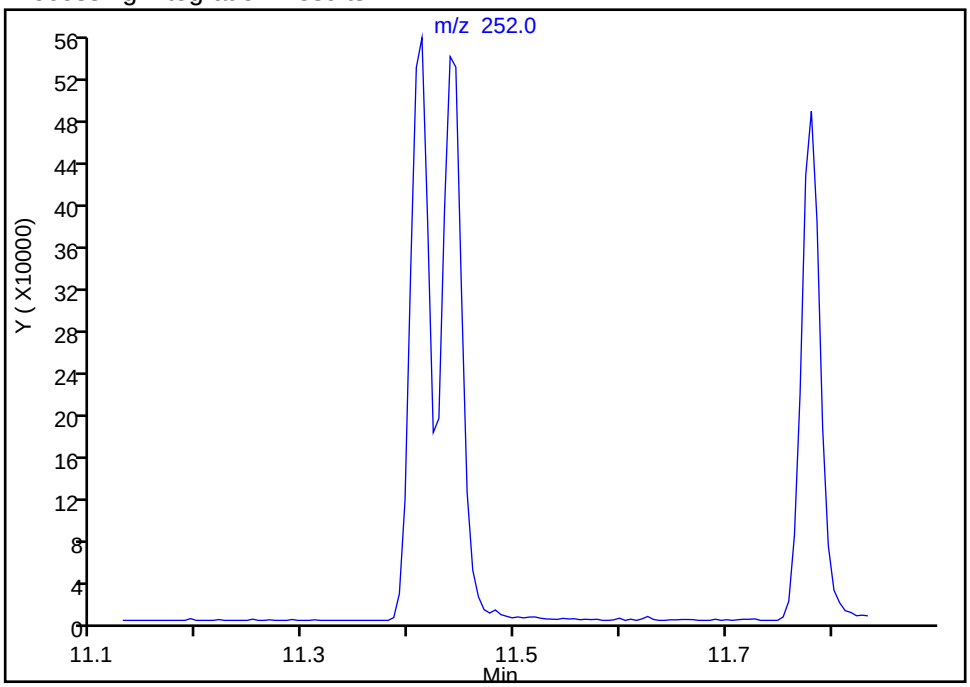
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A27.D
Injection Date: 07-Mar-2022 20:20:30 Instrument ID: TAC051
Lims ID: ccvc
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 27
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

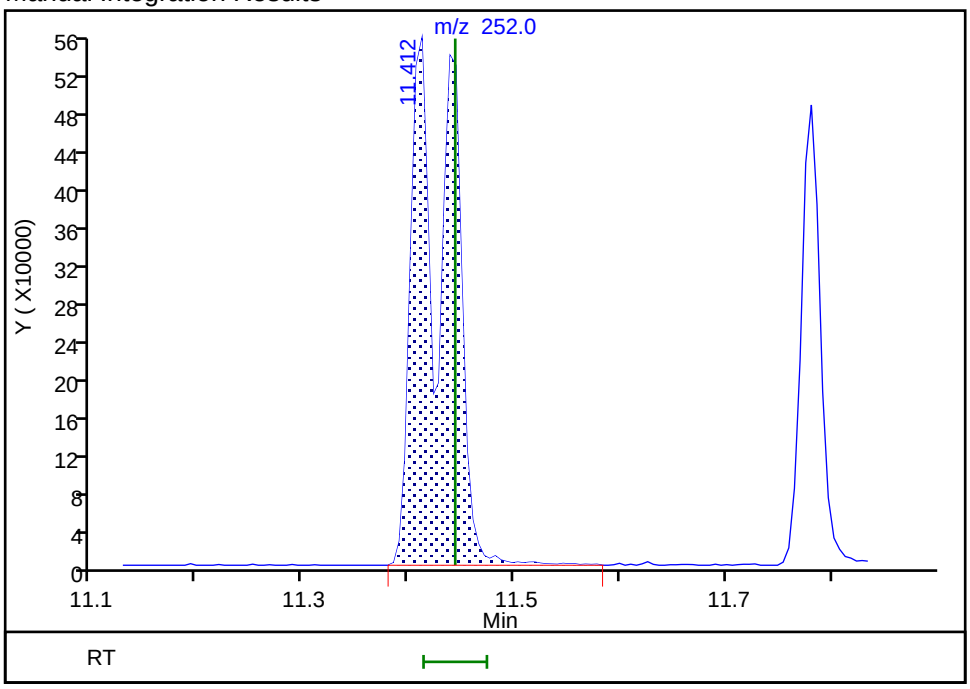
Not Detected
Expected RT: 11.44

Processing Integration Results



Manual Integration Results

RT: 11.41
Area: 1377882
Amount: 1916.0987
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 10:33:06
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVIS 580-383156/3 | Calibration Date: 03/08/2022 10:54

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30822A04.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.3552	0.0100	866	1000	-13.4	20.0
Pyridine	Lin2		0.6142	0.0100	1700	2000	-15.1	20.0
Aniline	Lin1		1.030	0.0100	822	1000	-17.8	20.0
Bis(2-chloroethyl)ether	Ave	0.8637	0.8243	0.7000	954	1000	-4.6	20.0
Phenol	Ave	1.004	0.9575	0.8000	953	1000	-4.7	20.0
2-Chlorophenol	Ave	1.210	1.149	0.8000	950	1000	-5.0	20.0
n-Decane	Ave	0.7898	0.6429		814	1000	-18.6	20.0
1,3-Dichlorobenzene	Ave	1.441	1.397	0.0100	969	1000	-3.1	20.0
1,4-Dichlorobenzene	Ave	1.565	1.402	0.0100	896	1000	-10.4	20.0
1,2-Dichlorobenzene	Ave	1.465	1.289	0.0100	880	1000	-12.0	20.0
Benzyl alcohol	Lin2		0.5374	0.0100	878	1000	-12.2	20.0
bis (2-chloroisopropyl) ether	Ave	0.9704	0.6581	0.0100	678	1000	-32.2*	20.0
o-Cresol	Ave	0.8394	0.8065	0.7000	961	1000	-3.9	20.0
Acetophenone	Ave	1.266	1.223	0.0100	966	1000	-3.4	20.0
N-Nitrosodi-n-propylamine	Ave	0.4984	0.4238*	0.5000	850	1000	-15.0	20.0
m+p-Cresol	Lin2		0.8053	0.6000	921	1000	-7.9	20.0
Hexachloroethane	Ave	0.5675	0.5071	0.3000	894	1000	-10.6	20.0
Nitrobenzene	Lin2		0.7635	0.2000	901	1000	-9.9	20.0
Isophorone	Ave	1.472	1.381	0.4000	938	1000	-6.2	20.0
2-Nitrophenol	Lin2		0.1936	0.1000	1120	1000	12.3	20.0
2,4-Dimethylphenol	Lin1		0.9293	0.2000	934	1000	-6.6	20.0
Bis(2-chloroethoxy)methane	Ave	0.9233	0.8022	0.3000	869	1000	-13.1	20.0
Benzoic acid	Lin1		0.1888	0.0100	2030	2000	1.3	20.0
2,4-Dichlorophenol	Lin1		0.2747	0.2000	1040	1000	3.7	20.0
1,2,4-Trichlorobenzene	Ave	0.3058	0.3108	0.0100	1020	1000	1.6	20.0
Naphthalene	Qua2		1.023	0.7000	1030	1000	3.1	20.0
4-Chloroaniline	Lin1		0.3414	0.0100	977	1000	-2.3	20.0
2,6-Dichlorophenol	Qua1		0.5239	0.0100	1010	1000	1.0	20.0
Hexachlorobutadiene	Ave	0.1815	0.2025	0.0100	1120	1000	11.6	20.0
4-Chloro-3-methylphenol	Lin2		0.4179	0.2000	1070	1000	7.2	20.0
2-Methylnaphthalene	Ave	0.6515	0.6874	0.4000	1060	1000	5.5	20.0
1-Methylnaphthalene	Ave	0.6188	0.6516	0.0100	1050	1000	5.3	20.0
Hexachlorocyclopentadiene	Ave	0.3528	0.3649	0.0500	1030	1000	3.4	20.0
1,2,4,5-Tetrachlorobenzene	Qua		0.5407		1030	1000	2.9	20.0
2,4,6-Trichlorophenol	Lin2		0.3398	0.2000	1060	1000	5.6	20.0
2,4,5-Trichlorophenol	Lin1		0.3409	0.2000	933	1000	-6.7	20.0
1,1'-Biphenyl	Ave	1.451	1.456	0.0100	1000	1000	0.4	20.0
2-Chloronaphthalene	Ave	1.139	1.117	0.8000	981	1000	-1.9	20.0
2-Nitroaniline	Qua2		0.3751	0.0100	1160	1000	16.2	20.0
Dimethyl phthalate	Lin1		1.322	0.0100	1130	1000	12.5	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVIS 580-383156/3 | Calibration Date: 03/08/2022 10:54

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30822A04.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1		0.3001	0.2000	1030	1000	2.9	20.0
Acenaphthylene	Qua2		1.776	0.9000	1060	1000	5.7	20.0
3-Nitroaniline	Lin2		0.2834	0.0100	1010	1000	0.6	20.0
Acenaphthene	Ave	1.170	1.166	0.9000	997	1000	-0.3	20.0
2,4-Dinitrophenol	Lin1		0.1609	0.0100	2110	2000	5.6	20.0
Dibenzofuran	Ave	1.488	1.591	0.8000	1070	1000	6.9	20.0
2,4-Dinitrotoluene	Lin2		0.3930	0.2000	1050	1000	4.7	20.0
4-Nitrophenol	Lin1		0.1892	0.0100	2720	2000	36.0*	20.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2729	0.0100	1060	1000	6.5	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3370	0.0100	1120	1000	12.1	20.0
Diethyl phthalate	Ave	1.296	1.523	0.0100	1170	1000	17.5	20.0
Fluorene	Ave	1.184	1.296	0.9000	1090	1000	9.5	20.0
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5897	0.4000	1080	1000	8.2	20.0
4-Nitroaniline	Lin1		0.2525	0.0100	950	1000	-5.0	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1173	0.0100	1970	2000	-1.7	20.0
N-Nitrosodiphenylamine	Ave	0.5309	0.5464	0.0100	1030	1000	2.9	20.0
Azobenzene	Lin2		0.5005		908	1000	-9.2	20.0
4-Bromophenyl phenyl ether	Qua2		0.2211	0.1000	1000	1000	0.0	20.0
Hexachlorobenzene	Ave	0.2584	0.2627	0.1000	1020	1000	1.6	20.0
Atrazine	Lin2		0.3692	0.0100	1100	1000	10.0	20.0
Pentachlorophenol	Lin2		0.1420	0.0500	2000	2000	0.2	20.0
n-Octadecane	Qua1		0.2495		788	1000	-21.2*	20.0
Phenanthrene	Qua2		1.030	0.7000	914	1000	-8.6	20.0
Anthracene	Qua1		1.039	0.7000	888	1000	-11.2	20.0
Carbazole	Qua1		0.8913	0.0100	997	1000	-0.3	20.0
Di-n-butyl phthalate	Qua1		1.341	0.0100	946	1000	-5.4	20.0
Fluoranthene	Qua1		1.106	0.6000	922	1000	-7.8	20.0
Benzidine	Lin1		0.2026	0.0100	1460	2000	-26.9*	20.0
Pyrene	Qua1		1.107	0.6000	897	1000	-10.3	20.0
Butyl benzyl phthalate	Qua1		0.6963	0.0100	965	1000	-3.5	20.0
3,3'-Dichlorobenzidine	Qua1		0.4146	0.0100	2050	2000	2.7	20.0
Benzo[a]anthracene	Qua1		1.138	0.8000	909	1000	-9.1	20.0
Chrysene	Qua2		1.146	0.7000	864	1000	-13.6	20.0
Bis(2-ethylhexyl) phthalate	Qua2		0.997	0.0100	1070	1000	7.3	20.0
Di-n-octyl phthalate	Ave	1.324	1.516	0.0100	1150	1000	14.5	20.0
Benzo[b]fluoranthene	Lin2		1.132	0.7000	1020	1000	2.2	20.0
Benzo[k]fluoranthene	Ave	1.342	1.222	0.7000	910	1000	-9.0	20.0
Benzofluoranthene	Ave	1.229	1.143		1860	2000	-7.0	20.0
Benzo[a]pyrene	Lin2		1.016	0.7000	998	1000	-0.2	20.0
Indeno[1,2,3-cd]pyrene	Lin1		1.006	0.5000	991	1000	-0.9	20.0
Dibenz(a,h)anthracene	Lin2		1.090	0.4000	998	1000	-0.2	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVIS 580-383156/3 | Calibration Date: 03/08/2022 10:54

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30822A04.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua1		1.149	0.5000	906	1000	-9.4	20.0
2-Fluorophenol (Surr)	Lin2		0.8780		946	1000	-5.4	20.0
Phenol-d5 (Surr)	Lin1		0.9644		936	1000	-6.4	20.0
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2359		991	1000	-0.9	20.0
2-Fluorobiphenyl	Ave	1.330	1.336		1000	1000	0.5	20.0
2,4,6-Tribromophenol (Surr)	Lin1		0.1581	0.0100	1160	1000	16.2	20.0
Terphenyl-d14	Ave	0.7490	0.7404		989	1000	-1.1	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A04.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Mar-2022 10:54:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:09:36 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:09:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.466	4.466	0.000	78	18872	100.0	100.0	
* 2 Naphthalene-d8	136	5.481	5.481	0.000	94	62233	100.0	100.0	
* 3 Acenaphthene-d10	164	6.907	6.907	0.000	73	35873	100.0	100.0	
* 4 Phenanthrene-d10	188	8.120	8.120	0.000	92	61139	100.0	100.0	M
* 5 Chrysene-d12	240	10.321	10.321	0.000	61	52533	100.0	100.0	
* 6 Perylene-d12	264	11.848	11.848	0.000	91	56670	100.0	100.0	
$ 7 2-Fluorophenol	112	3.504	3.504	0.000	84	165700	1000.0	945.9	
$ 8 Phenol-d5	99	4.257	4.257	0.000	98	182008	1000.0	936.0	
$ 9 Nitrobenzene-d5	82	4.909	4.909	0.000	85	146818	1000.0	991.1	
$ 10 2-methylnaphthalene-d10	152	6.031	6.031	0.000	0	382933	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.367	6.367	0.000	99	479286	1000.0	1004.8	
$ 12 2,4,6-Tribromophenol	330	7.564	7.564	0.000	77	96645	1000.0	1161.5	
$ 13 Fluoranthene-d10 (Surr)	212	9.097	9.097	0.000	0	590380	NC	NC	
$ 14 Terphenyl-d14	244	9.444	9.444	0.000	98	452672	1000.0	988.6	
16 N-Nitrosodimethylamine	74	2.425	2.425	0.000	69	67025	1000.0	866.2	
17 Pyridine	79	2.436	2.436	0.000	92	231818	2000.0	1697.8	
18 Aniline	93	4.220	4.220	0.000	97	194455	1000.0	822.3	
19 Phenol	94	4.268	4.268	0.000	90	180694	1000.0	953.3	
20 Bis(2-chloroethyl)ether	93	4.268	4.268	0.000	84	155560	1000.0	954.3	
21 2-Chlorophenol	128	4.321	4.321	0.000	90	216918	1000.0	949.6	
22 n-Decane	57	4.343	4.343	0.000	85	121337	1000.0	814.1	M
23 1,3-Dichlorobenzene	146	4.417	4.417	0.000	98	263647	1000.0	969.2	
25 1,4-Dichlorobenzene	146	4.476	4.476	0.000	95	264574	1000.0	896.0	
27 1,2-Dichlorobenzene	146	4.594	4.594	0.000	97	243295	1000.0	879.8	
26 Benzyl alcohol	79	4.599	4.599	0.000	59	101412	1000.0	877.6	M
29 2,2'-oxybis[1-chloropropane]	45	4.695	4.695	0.000	64	124206	1000.0	678.3	
28 2-Methylphenol	108	4.717	4.717	0.000	85	152205	1000.0	960.9	
30 Acetophenone	105	4.791	4.791	0.000	89	230770	1000.0	965.7	
31 N-Nitrosodi-n-propylamine	70	4.797	4.797	0.000	90	79978	1000.0	850.4	
32 3 & 4 Methylphenol	108	4.850	4.850	0.000	92	151971	1000.0	921.1	
33 Hexachloroethane	117	4.856	4.856	0.000	89	95694	1000.0	893.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.925	4.925	0.000	81	144097	1000.0	901.0	
35 Isophorone	82	5.117	5.117	0.000	95	260538	1000.0	938.0	
36 2-Nitrophenol	139	5.176	5.176	0.000	92	120458	1000.0	1122.8	
37 2,4-Dimethylphenol	107	5.251	5.251	0.000	93	175379	1000.0	933.8	
38 Bis(2-chloroethoxy)methane	93	5.304	5.304	0.000	94	151384	1000.0	868.8	
39 Benzoic acid	105	5.352	5.352	0.000	69	234958	2000.0	2025.1	
40 2,4-Dichlorophenol	162	5.400	5.400	0.000	88	170943	1000.0	1036.8	
41 1,2,4-Trichlorobenzene	180	5.432	5.432	0.000	93	193413	1000.0	1016.3	
42 Naphthalene	128	5.497	5.497	0.000	96	636437	1000.0	1030.7	
43 4-Chloroaniline	127	5.561	5.561	0.000	82	212478	1000.0	976.7	
44 2,6-Dichlorophenol	162	5.566	5.566	0.000	93	187926	1000.0	1009.5	
45 Hexachlorobutadiene	225	5.598	5.598	0.000	91	126019	1000.0	1115.7	
46 4-Chloro-3-methylphenol	107	5.999	5.999	0.000	88	149907	1000.0	1072.1	
47 2-Methylnaphthalene	142	6.057	6.057	0.000	84	427784	1000.0	1055.1	
48 1-Methylnaphthalene	142	6.138	6.138	0.000	92	405488	1000.0	1053.0	
49 Hexachlorocyclopentadiene	237	6.186	6.186	0.000	83	130887	1000.0	1034.1	
50 1,2,4,5-Tetrachlorobenzene	216	6.196	6.196	0.000	94	193958	1000.0	1028.7	
52 2,4,6-Trichlorophenol	196	6.309	6.309	0.000	87	121897	1000.0	1056.5	
53 2,4,5-Trichlorophenol	196	6.362	6.362	0.000	53	122303	1000.0	933.3	
54 1,1'-Biphenyl	154	6.442	6.442	0.000	94	522336	1000.0	1003.7	
55 2-Chloronaphthalene	162	6.453	6.453	0.000	96	400852	1000.0	980.7	
56 2-Nitroaniline	138	6.560	6.560	0.000	92	134573	1000.0	1162.4	
57 Dimethyl phthalate	163	6.709	6.709	0.000	98	474398	1000.0	1125.3	
58 1,3-Dinitrobenzene	168	6.736	6.736	0.000	76	73771	1000.0	1154.2	
59 2,6-Dinitrotoluene	165	6.757	6.757	0.000	68	107640	1000.0	1028.5	
60 Acenaphthylene	152	6.789	6.789	0.000	89	637244	1000.0	1056.6	
61 3-Nitroaniline	138	6.902	6.902	0.000	87	101650	1000.0	1006.3	
62 Acenaphthene	153	6.934	6.934	0.000	88	418422	1000.0	996.7	
63 2,4-Dinitrophenol	184	6.982	6.982	0.000	87	115406	2000.0	2111.6	a
66 Dibenzofuran	168	7.078	7.078	0.000	87	570625	1000.0	1069.1	
65 2,4-Dinitrotoluene	165	7.083	7.083	0.000	78	140980	1000.0	1046.9	
64 4-Nitrophenol	109	7.115	7.115	0.000	79	135724	2000.0	2719.1	
51 2,3,5,6-Tetrachlorophenol	232	7.163	7.163	0.000	75	97897	1000.0	1064.8	
67 2,3,4,6-Tetrachlorophenol	232	7.195	7.195	0.000	69	120879	1000.0	1121.5	
68 Diethyl phthalate	149	7.286	7.286	0.000	97	546190	1000.0	1174.6	
69 Fluorene	166	7.356	7.356	0.000	83	465015	1000.0	1094.8	
70 4-Chlorophenyl phenyl ether	204	7.366	7.366	0.000	91	211529	1000.0	1081.9	
71 4-Nitroaniline	138	7.404	7.404	0.000	83	90584	1000.0	950.4	
72 4,6-Dinitro-2-methylphenol	198	7.414	7.414	0.000	89	143402	2000.0	1966.0	
73 N-Nitrosodiphenylamine	169	7.468	7.468	0.000	57	334069	1000.0	1029.3	
74 Azobenzene	77	7.495	7.495	0.000	89	305989	1000.0	907.8	
75 4-Bromophenyl phenyl ether	248	7.767	7.767	0.000	55	135189	1000.0	1000.4	
76 Hexachlorobenzene	284	7.799	7.799	0.000	82	160584	1000.0	1016.3	
77 Atrazine	200	7.917	7.917	0.000	93	132431	1000.0	1099.5	
78 Pentachlorophenol	266	7.981	7.981	0.000	86	173677	2000.0	2004.5	
79 n-Octadecane	57	8.061	8.061	0.000	88	152518	1000.0	787.6	M
80 Phenanthrene	178	8.141	8.141	0.000	96	629612	1000.0	913.6	
81 Anthracene	178	8.184	8.184	0.000	96	635137	1000.0	888.2	
83 Carbazole	167	8.333	8.333	0.000	83	544914	1000.0	997.0	
84 Di-n-butyl phthalate	149	8.627	8.627	0.000	99	819710	1000.0	945.8	
85 Fluoranthene	202	9.113	9.113	0.000	96	676152	1000.0	921.9	
88 Benzidine	184	9.252	9.252	0.000	95	247793	2000.0	1461.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.300	9.300	0.000	98	676799	1000.0	896.8	
94 Butyl benzyl phthalate	149	9.856	9.856	0.000	92	365805	1000.0	965.2	
97 Benzo[a]anthracene	228	10.310	10.310	0.000	98	597884	1000.0	908.5	
96 3,3'-Dichlorobenzidine	252	10.310	10.310	0.000	58	435596	2000.0	2053.6	
99 Chrysene	228	10.347	10.347	0.000	91	601845	1000.0	864.4	
98 Bis(2-ethylhexyl) phthalate	149	10.374	10.374	0.000	74	523760	1000.0	1073.2	
100 Di-n-octyl phthalate	149	11.036	11.036	0.000	97	859111	1000.0	1145.0	
101 Benzo[b]fluoranthene	252	11.410	11.410	0.000	92	641673	1000.0	1022.3	
103 Benzo[k]fluoranthene	252	11.442	11.442	0.000	89	692301	1000.0	910.0	
102 Benzofluoranthene	252	11.442	11.442	0.000	1	1295074	2000.0	1859.7	a
104 Benzo[a]pyrene	252	11.779	11.779	0.000	74	575966	1000.0	997.6	
105 Indeno[1,2,3-cd]pyrene	276	13.152	13.152	0.000	98	569981	1000.0	991.4	
106 Dibenz(a,h)anthracene	278	13.189	13.189	0.000	1	617626	1000.0	997.6	
107 Benzo[g,h,i]perylene	276	13.478	13.478	0.000	92	651140	1000.0	906.4	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 09-Mar-2022 09:09:37 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A04.D

Injection Date: 08-Mar-2022 10:54:30 Instrument ID: TAC051

Lims ID: ccvis

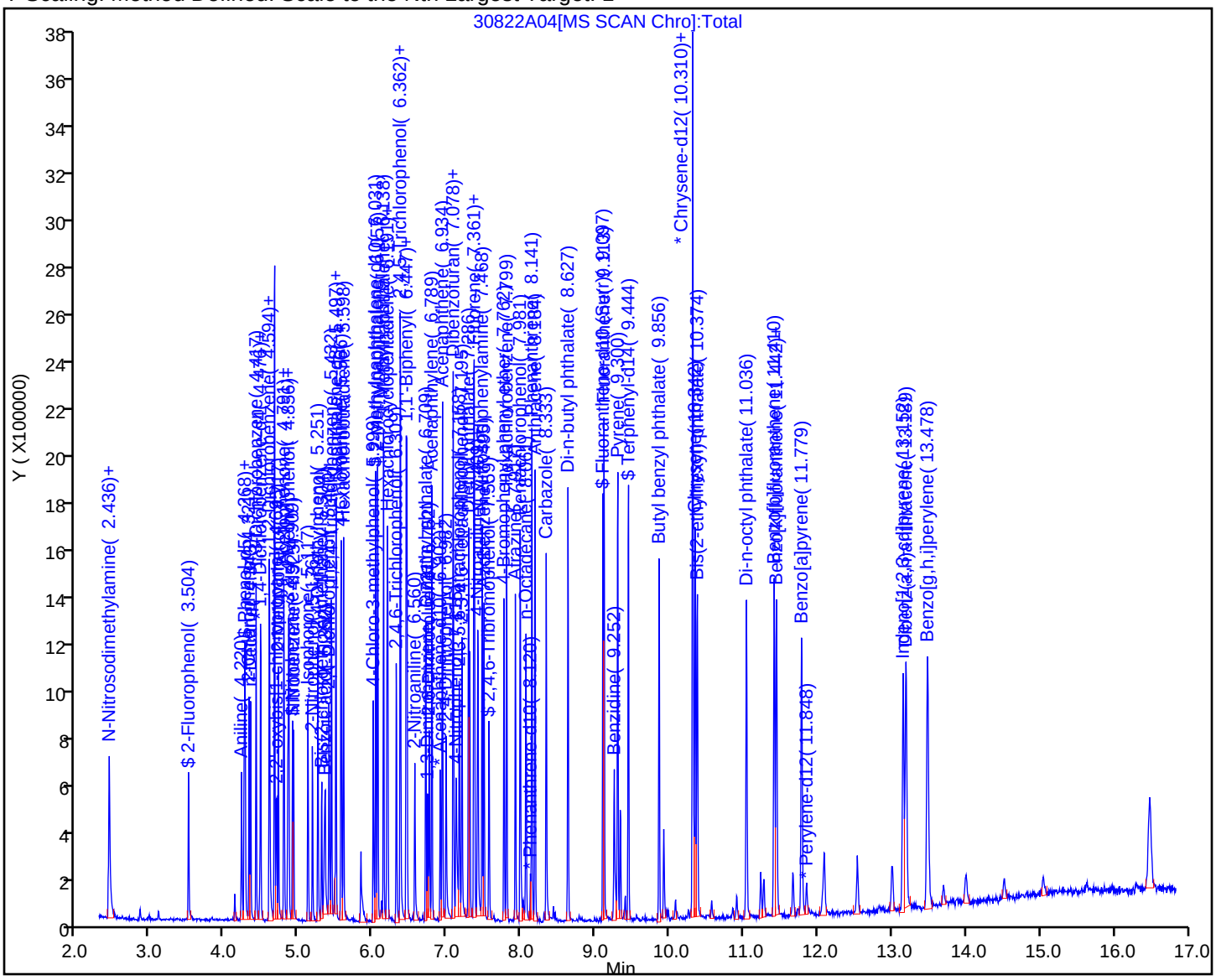
Client ID:

Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

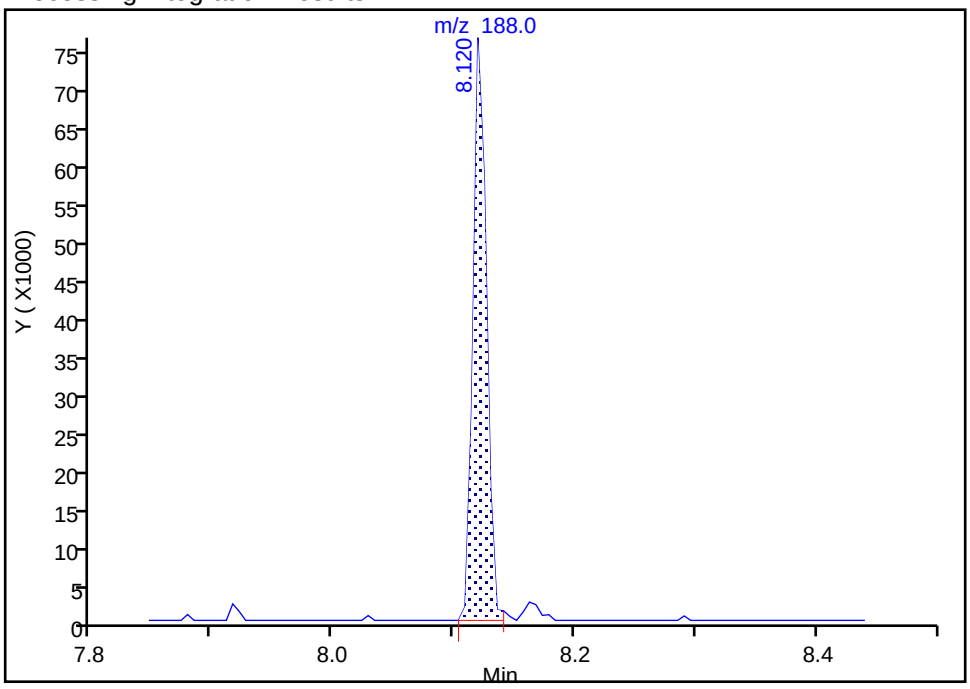
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A04.D
Injection Date: 08-Mar-2022 10:54:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

* 4 Phenanthrene-d10, CAS: 1517-22-2

Signal: 1

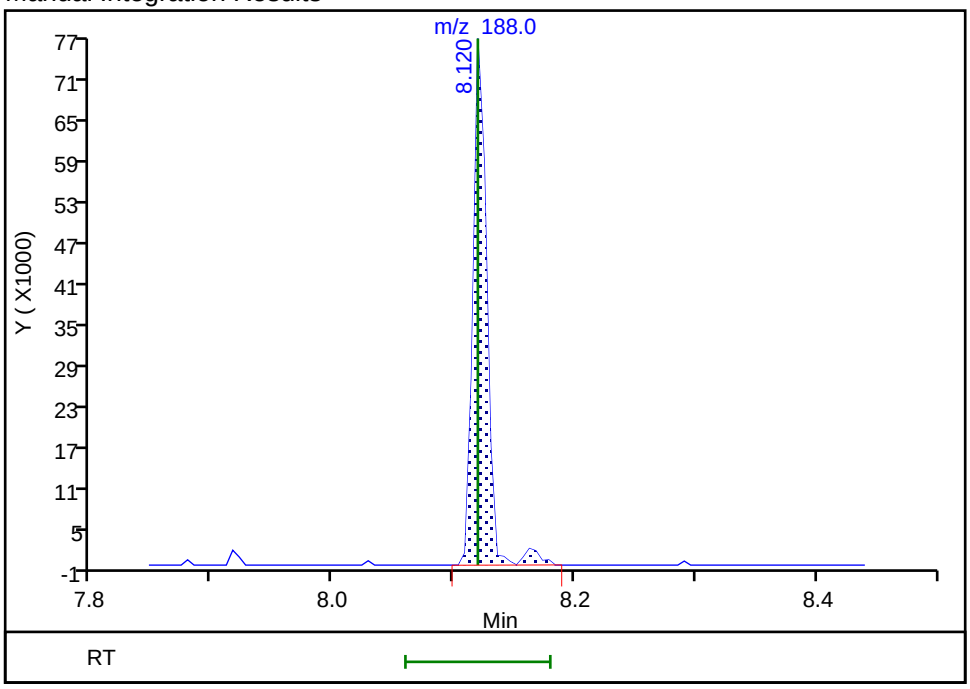
Processing Integration Results

RT: 8.12
Area: 58786
Amount: 100.0000
Amount Units: ug/L



Manual Integration Results

RT: 8.12
Area: 61139
Amount: 100.0000
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 11:11:30
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

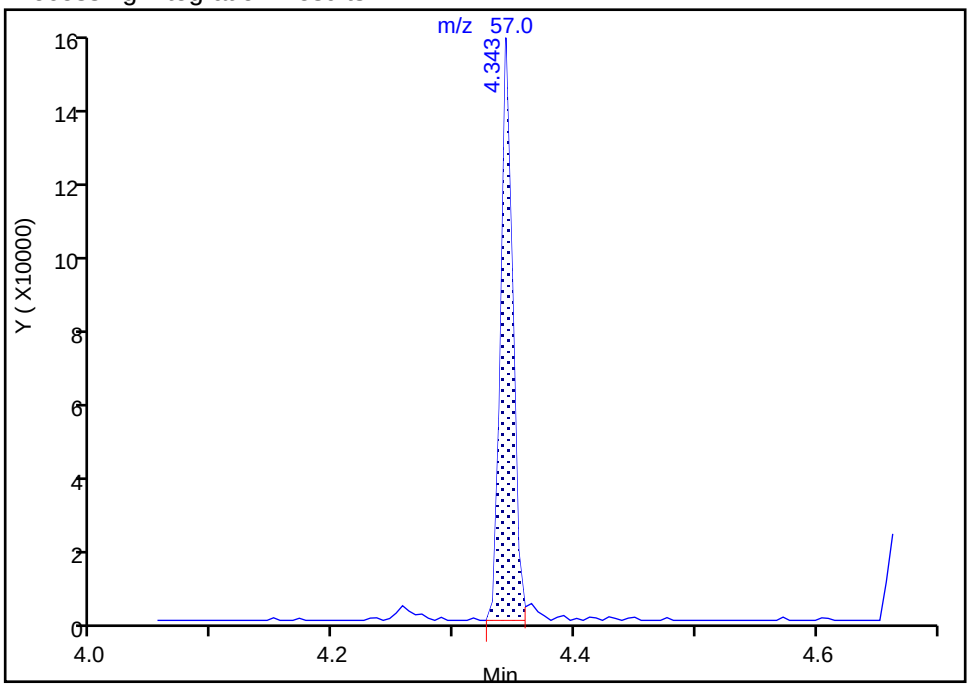
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A04.D
Injection Date: 08-Mar-2022 10:54:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

22 n-Decane, CAS: 124-18-5

Signal: 1

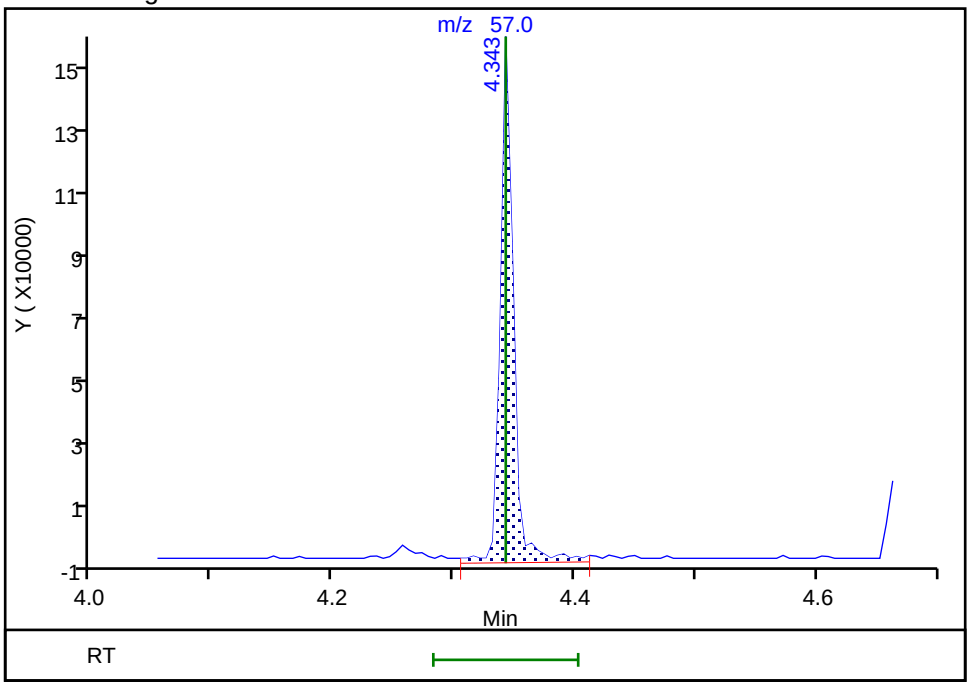
Processing Integration Results

RT: 4.34
Area: 108700
Amount: 729.2756
Amount Units: ug/L



Manual Integration Results

RT: 4.34
Area: 121337
Amount: 814.0581
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 11:11:44
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

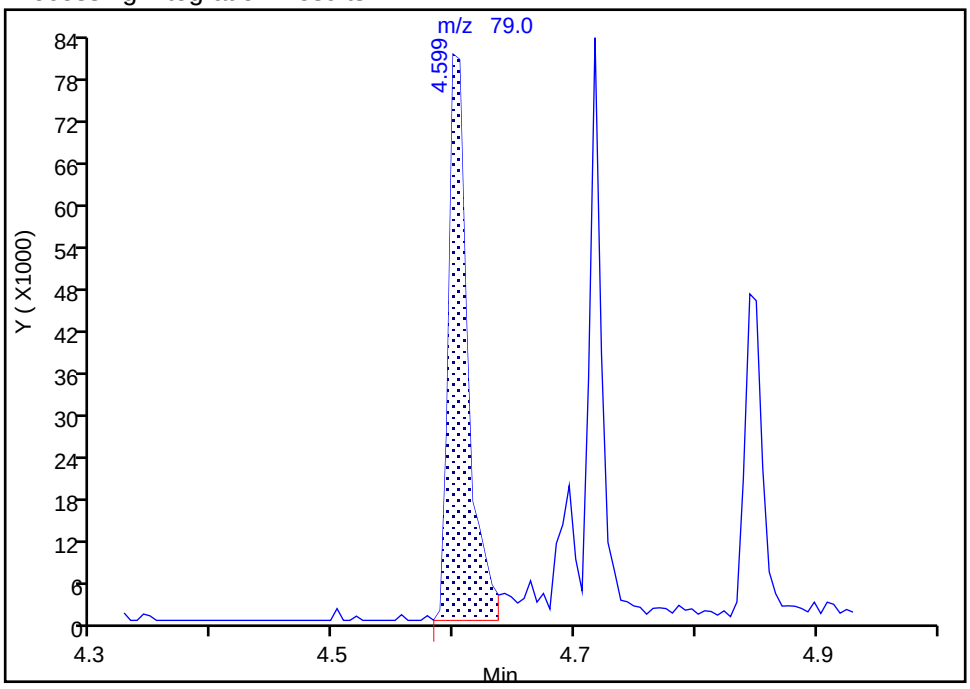
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A04.D
Injection Date: 08-Mar-2022 10:54:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

26 Benzyl alcohol, CAS: 100-51-6

Signal: 1

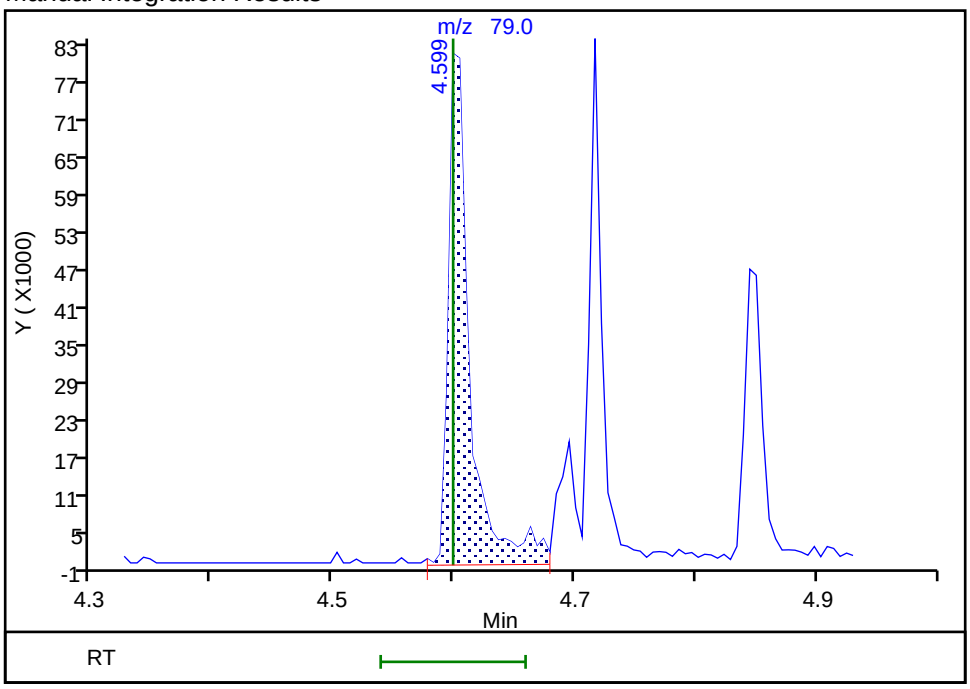
Processing Integration Results

RT: 4.60
Area: 90728
Amount: 785.8959
Amount Units: ug/L



Manual Integration Results

RT: 4.60
Area: 101412
Amount: 877.5737
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 11:11:57
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

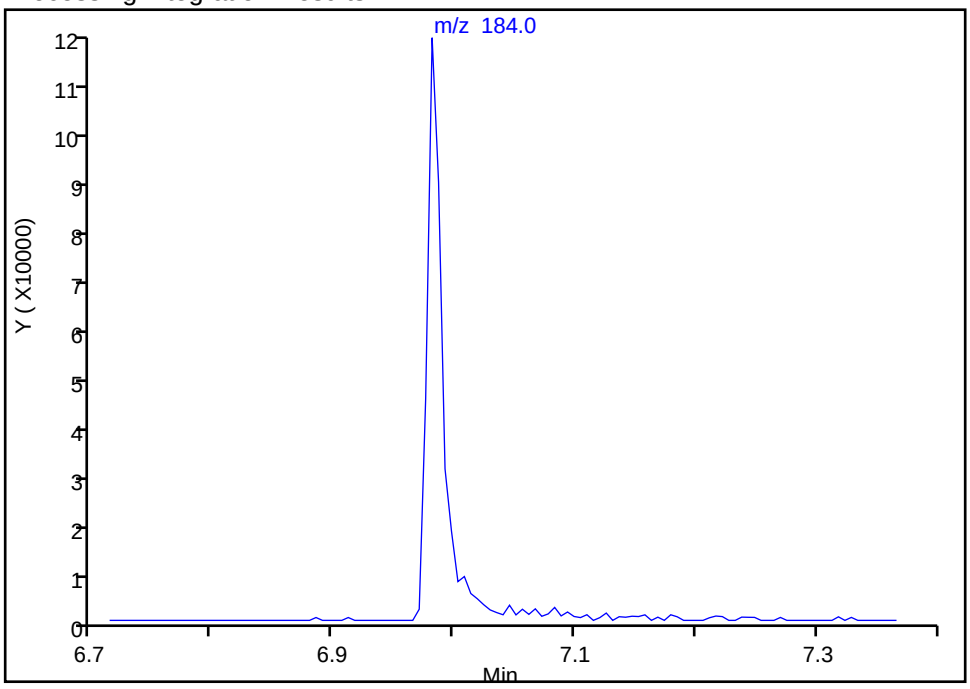
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A04.D
Injection Date: 08-Mar-2022 10:54:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

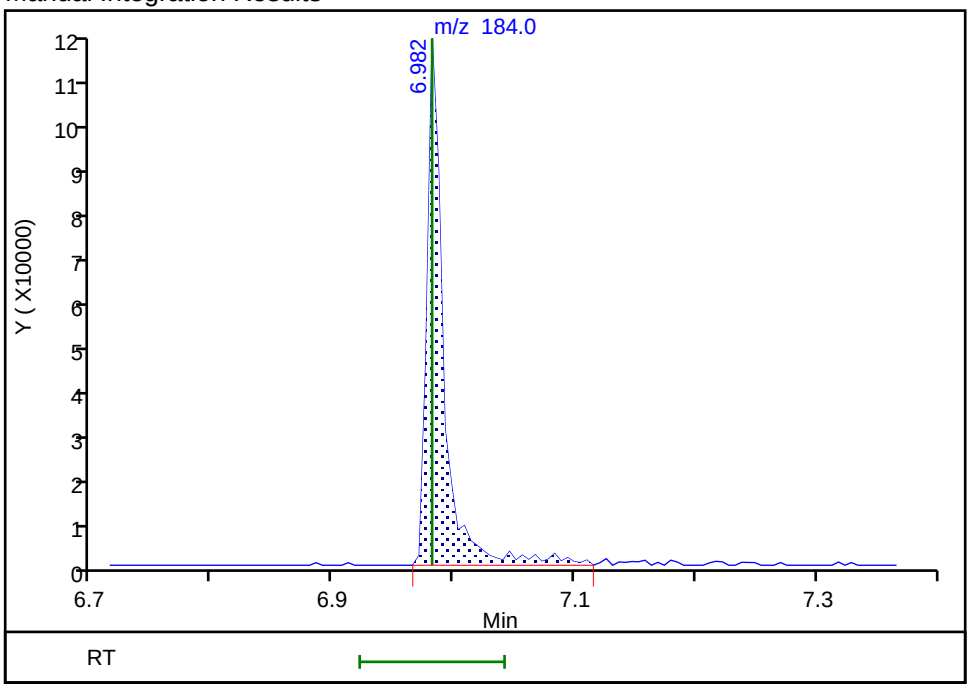
Not Detected
Expected RT: 6.98

Processing Integration Results



Manual Integration Results

RT: 6.98
Area: 115406
Amount: 2111.6080
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 11:12:16
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

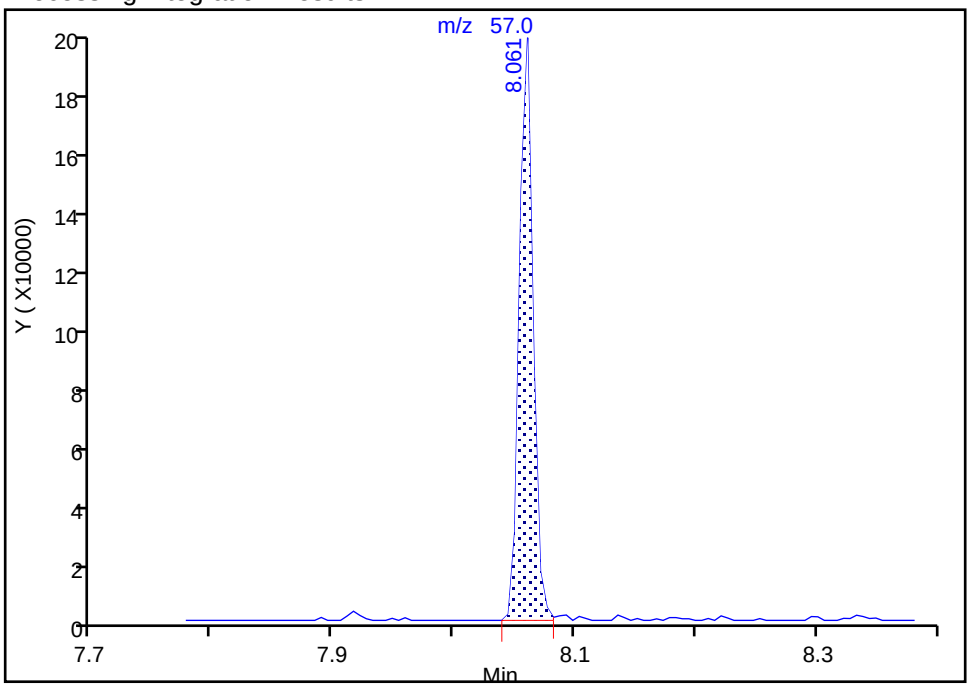
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A04.D
Injection Date: 08-Mar-2022 10:54:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

79 n-Octadecane, CAS: 593-45-3

Signal: 1

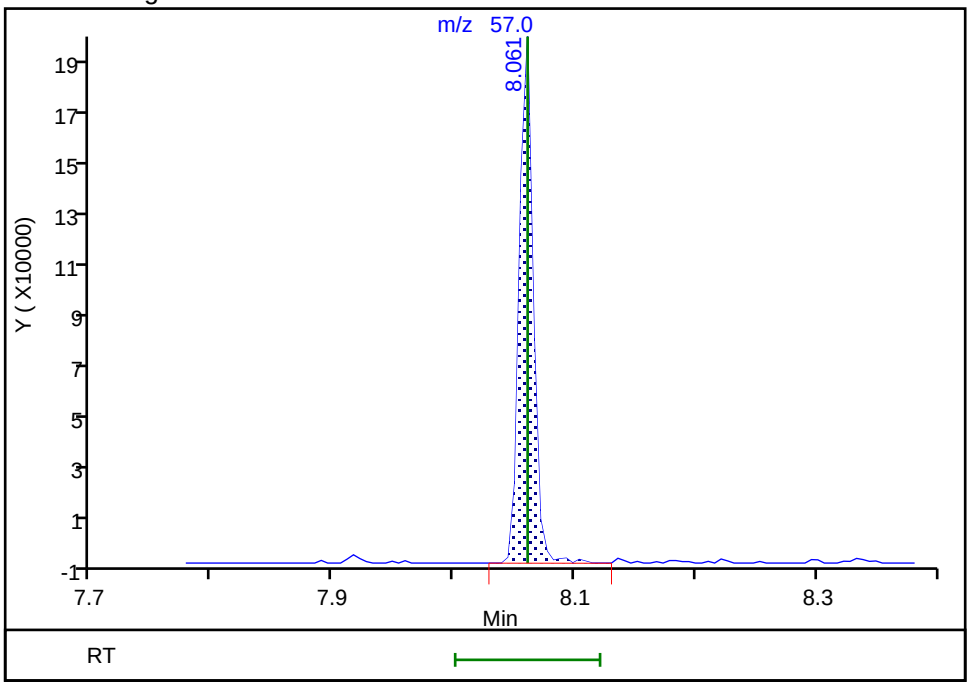
Processing Integration Results

RT: 8.06
Area: 150521
Amount: 777.1889
Amount Units: ug/L



Manual Integration Results

RT: 8.06
Area: 152518
Amount: 787.5856
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 11:12:32
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

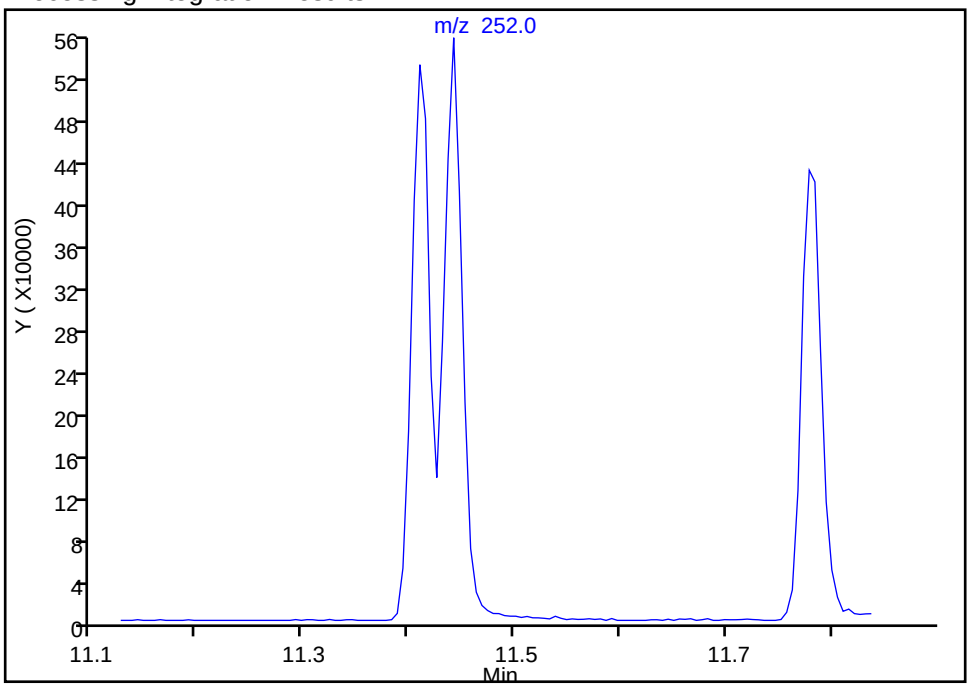
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A04.D
Injection Date: 08-Mar-2022 10:54:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

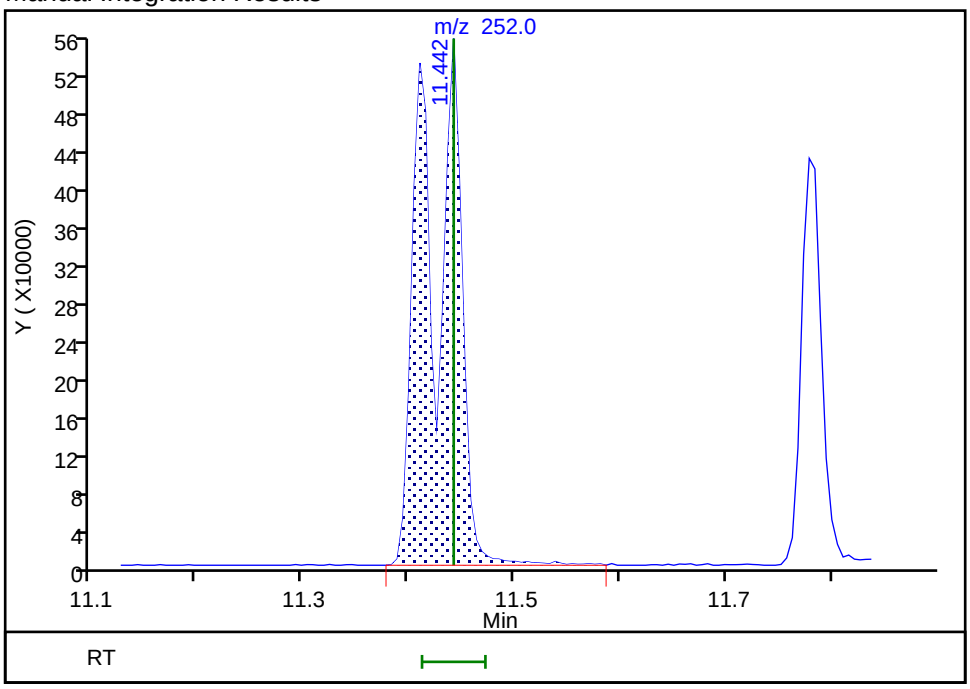
Not Detected
Expected RT: 11.44

Processing Integration Results



Manual Integration Results

RT: 11.44
Area: 1295074
Amount: 1859.6734
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 11:12:48
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVL 580-383156/4 | Calibration Date: 03/08/2022 11:18

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30822A05.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.2257	0.0100	300	50.0	1.9	
Pyridine	Lin2		0.5139	0.0100	1600	100	23.7	
Aniline	Lin1		0.5866	0.0100	800	50.0	-41.9	
Bis(2-chloroethyl)ether	Ave	0.8637	0.8578	0.7000	49.7	50.0	-0.7	
Phenol	Ave	1.004	0.8604	0.8000	300	50.0	-14.3	
2-Chlorophenol	Ave	1.210	0.9447	0.8000	39.0	50.0	-22.0	
n-Decane	Ave	0.7898	0.5490		300	50.0	-30.5	
1,3-Dichlorobenzene	Ave	1.441	1.438	0.0100	49.9	50.0	-0.2	
1,4-Dichlorobenzene	Ave	1.565	1.358	0.0100	43.4	50.0	-13.2	
1,2-Dichlorobenzene	Ave	1.465	1.325	0.0100	45.2	50.0	-9.6	
Benzyl alcohol	Lin2		0.3211	0.0100	250	50.0	-33.3	
bis (2-chloroisopropyl) ether	Ave	0.9704	0.7844	0.0100	40.4	50.0	-19.2	
o-Cresol	Ave	0.8394	0.6579*	0.7000	39.2	50.0	-21.6	
Acetophenone	Ave	1.266	1.121	0.0100	300	50.0	-11.4	
N-Nitrosodi-n-propylamine	Ave	0.4984	0.4343*	0.5000	43.6	50.0	-12.8	
m+p-Cresol	Lin2		0.7643	0.6000	150	50.0	-0.8	
Hexachloroethane	Ave	0.5675	0.5530	0.3000	48.7	50.0	-2.5	
Nitrobenzene	Lin2		0.6811	0.2000	48.6	50.0	-2.9	
Isophorone	Ave	1.472	1.558	0.4000	52.9	50.0	5.9	
2-Nitrophenol	Lin2		0.1566	0.1000	52.3	50.0	4.7	
2,4-Dimethylphenol	Lin1		0.5537	0.2000	250	50.0	-35.3	
Bis(2-chloroethoxy)methane	Ave	0.9233	0.7009	0.3000	38.0	50.0	-24.1	
2,4-Dichlorophenol	Lin1		0.1420*	0.2000	250	50.0	-14.0	
1,2,4-Trichlorobenzene	Ave	0.3058	0.3120	0.0100	51.0	50.0	2.0	
Naphthalene	Qua2		0.9911	0.7000	150	50.0	-6.6	
2,6-Dichlorophenol	Qua1		0.4761	0.0100	150	50.0	-0.4	
4-Chloroaniline	Lin1		0.2265	0.0100	800	50.0	12.8	
Hexachlorobutadiene	Ave	0.1815	0.1539	0.0100	42.4	50.0	-15.2	
4-Chloro-3-methylphenol	Lin2		0.3170	0.2000	76.8	50.0	53.5	
2-Methylnaphthalene	Ave	0.6515	0.6523	0.4000	50.1	50.0	0.1	
1-Methylnaphthalene	Ave	0.6188	0.5893	0.0100	47.6	50.0	-4.8	
Hexachlorocyclopentadiene	Ave	0.3528	0.2025	0.0500	150	50.0	-42.6	
1,2,4,5-Tetrachlorobenzene	Qua		0.4429		250	50.0	-31.4	
2,4,6-Trichlorophenol	Lin2		0.1839*	0.2000	58.8	50.0	17.7	
2,4,5-Trichlorophenol	Lin1		0.2557	0.2000	77.5	50.0	55.1	
1,1'-Biphenyl	Ave	1.451	1.222	0.0100	42.1	50.0	-15.7	
2-Chloronaphthalene	Ave	1.139	0.9707	0.8000	42.6	50.0	-14.8	
2-Nitroaniline	Qua2		0.0877	0.0100	73.2	50.0	46.4	
Dimethyl phthalate	Lin1		1.010	0.0100	39.6	50.0	-20.7	
2,6-Dinitrotoluene	Lin1		0.1718*	0.2000	61.8	50.0	23.5	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVL 580-383156/4 | Calibration Date: 03/08/2022 11:18

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30822A05.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Acenaphthylene	Qua2		1.626	0.9000	45.3	50.0	-9.3	
3-Nitroaniline	Lin2		0.1080	0.0100	91.0	50.0	82.0	
Acenaphthene	Ave	1.170	1.172	0.9000	50.1	50.0	0.1	
Dibenzofuran	Ave	1.488	1.467	0.8000	150	50.0	-1.4	
2,4-Dinitrotoluene	Lin2		0.2244	0.2000	88.0	50.0	75.9	
4-Nitrophenol	Lin1		0.0299	0.0100	3000	100	700.5	
2,3,5,6-Tetrachlorophenol	Lin2		0.1712	0.0100	73.1	50.0	46.2	
2,3,4,6-Tetrachlorophenol	Lin2		0.2448	0.0100	65.8	50.0	31.6	
Diethyl phthalate	Ave	1.296	3.605	0.0100	139	50.0	178.1	
Fluorene	Ave	1.184	1.286	0.9000	54.3	50.0	8.6	
4-Chlorophenyl phenyl ether	Ave	0.5450	0.4651	0.4000	42.7	50.0	-14.7	
4,6-Dinitro-2-methylphenol	Lin1		0.0152	0.0100	600	100	93.6	
4-Nitroaniline	Lin1		0.0756	0.0100	250	50.0	56.6	
N-Nitrosodiphenylamine	Ave	0.5309	0.4414	0.0100	41.6	50.0	-16.9	
Azobenzene	Lin2		0.4613		45.5	50.0	-9.0	
4-Bromophenyl phenyl ether	Qua2		0.1779	0.1000	49.4	50.0	-1.2	
Hexachlorobenzene	Ave	0.2584	0.0435*	0.1000	45.0	50.0	-83.2	
Atrazine	Lin2		0.3543	0.0100	300	50.0	39.8	
Pentachlorophenol	Lin2		0.0393*	0.0500	500	100	70.4	
n-Octadecane	Qua1		0.1834		250	50.0	-39.5	
Phenanthrene	Qua2		0.9851	0.7000	150	50.0	-18.9	
Anthracene	Qua1		1.006	0.7000	48.8	50.0	-2.4	
Carbazole	Qua1		0.8508	0.0100	50.5	50.0	1.1	
Di-n-butyl phthalate	Qua1		1.281	0.0100	250	50.0	-16.7	
Fluoranthene	Qua1		1.051	0.6000	42.9	50.0	-14.2	
Benzidine	Lin1		0.0844	0.0100	500	100	15.8	
Pyrene	Qua1		1.066	0.6000	40.3	50.0	-19.4	
Butyl benzyl phthalate	Qua1		0.6874	0.0100	300	50.0	9.0	
3,3'-Dichlorobenzidine	Qua1		0.3441	0.0100	300	100	9.7	
Benzo[a]anthracene	Qua1		0.9230	0.8000	42.9	50.0	-14.3	
Chrysene	Qua2		1.273	0.7000	35.7	50.0	-28.7	
Bis(2-ethylhexyl) phthalate	Qua2		0.8616	0.0100	800	50.0	-6.4	
Di-n-octyl phthalate	Ave	1.324	1.039	0.0100	150	50.0	-21.5	
Benzo[b]fluoranthene	Lin2		0.8853	0.7000	42.2	50.0	-15.6	
Benzo[k]fluoranthene	Ave	1.342	0.997	0.7000	37.1	50.0	-25.8	
Benzofluoranthene	Ave	1.229	0.9076		73.9	100	-26.1	
Benzo[a]pyrene	Lin2		0.7654	0.7000	42.2	50.0	-15.6	
Indeno[1,2,3-cd]pyrene	Lin1		0.3772*	0.5000	150	50.0	-43.7	
Dibenz(a,h)anthracene	Lin2		0.7595	0.4000	48.2	50.0	-3.5	
Benzo[g,h,i]perylene	Qua1		0.9724	0.5000	41.3	50.0	-17.5	
2,4-Dinitrophenol	Lin1				1600	100	-100.0	

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVL 580-383156/4 Calibration Date: 03/08/2022 11:18

Instrument ID: TAC051 Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/24/2022 20:31

Lab File ID: 30822A05.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzoic acid	Lin1				1600	100	-100.0	
2-Fluorophenol (Surr)	Lin2		0.7428		44.6	50.0	-10.9	
Phenol-d5 (Surr)	Lin1		0.7235		33.6	50.0	-32.8	
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2217		46.6	50.0	-6.9	
2-Fluorobiphenyl	Ave	1.330	1.218		45.8	50.0	-8.4	
2,4,6-Tribromophenol (Surr)	Lin1		0.0784	0.0100	67.0	50.0	34.0	
Terphenyl-d14	Ave	0.7490	0.7026		46.9	50.0	-6.2	

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A05.D
Lims ID: ccvl
Client ID:
Sample Type: CCVL
Inject. Date: 08-Mar-2022 11:18:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVL
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 11:18:14 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 11:18:14

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.463	4.466	-0.003	76	19174	100.0	100.0	
* 2 Naphthalene-d8	136	5.478	5.481	-0.003	92	66149	100.0	100.0	
* 3 Acenaphthene-d10	164	6.905	6.907	-0.002	82	33704	100.0	100.0	
* 4 Phenanthrene-d10	188	8.123	8.120	0.003	90	63026	100.0	100.0	
* 5 Chrysene-d12	240	10.324	10.321	0.004	84	53786	100.0	100.0	
* 6 Perylene-d12	264	11.852	11.848	0.004	81	66396	100.0	100.0	
$ 7 2-Fluorophenol	112	3.507	3.504	0.003	39	7121	50.0	44.6	
$ 8 Phenol-d5	99	4.260	4.257	0.003	86	6936	50.0	33.6	
$ 9 Nitrobenzene-d5	82	4.907	4.909	-0.002	60	7332	50.0	46.6	
$ 10 2-methylnaphthalene-d10	152	6.034	6.031	0.003	0	18411	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.365	6.367	-0.002	66	20530	50.0	45.8	
$ 12 2,4,6-Tribromophenol	330	7.567	7.564	0.003	1	2470	50.0	67.0	
$ 13 Fluoranthene-d10 (Surr)	212	9.106	9.097	0.009	0	28246	NC	NC	
$ 14 Terphenyl-d14	244	9.448	9.444	0.004	53	22142	50.0	46.9	
16 N-Nitrosodimethylamine	74	2.433	2.425	0.008	48	2164	50.0	50.9	
17 Pyridine	79	2.455	2.437	0.019	75	9853	100.0	123.7	
18 Aniline	93	4.223	4.221	0.003	67	5624	50.0	29.0	
20 Bis(2-chloroethyl)ether	93	4.271	4.269	0.003	76	8224	50.0	49.7	
19 Phenol	94	4.271	4.269	0.003	59	8249	50.0	42.8	
21 2-Chlorophenol	128	4.324	4.323	0.003	65	9057	50.0	39.0	
22 n-Decane	57	4.341	4.343	-0.003	61	5263	50.0	34.8	
23 1,3-Dichlorobenzene	146	4.421	4.418	0.004	64	13785	50.0	49.9	
25 1,4-Dichlorobenzene	146	4.479	4.477	0.003	59	13018	50.0	43.4	
27 1,2-Dichlorobenzene	146	4.592	4.595	-0.002	75	12702	50.0	45.2	
26 Benzyl alcohol	79	4.608	4.601	0.009	28	3078	50.0	33.4	
29 2,2'-oxybis[1-chloropropane]	45	4.693	4.695	-0.002	57	7520	50.0	40.4	
28 2-Methylphenol	108	4.720	4.718	0.003	50	6307	50.0	39.2	
30 Acetophenone	105	4.789	4.793	-0.002	72	10750	50.0	44.3	
31 N-Nitrosodi-n-propylamine	70	4.795	4.798	-0.002	62	4164	50.0	43.6	
32 3 & 4 Methylphenol	108	4.848	4.851	-0.002	64	7327	50.0	49.6	
33 Hexachloroethane	117	4.859	4.858	0.003	75	5302	50.0	48.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.923	4.922	-0.002	57	6530	50.0	48.6	
35 Isophorone	82	5.115	5.117	-0.002	75	14936	50.0	52.9	
36 2-Nitrophenol	139	5.179	5.177	0.003	48	5178	50.0	52.3	
37 2,4-Dimethylphenol	107	5.254	5.252	0.003	33	5308	50.0	32.4	
38 Bis(2-chloroethoxy)methane	93	5.302	5.305	-0.002	66	6720	50.0	38.0	
40 2,4-Dichlorophenol	162	5.414	5.401	0.014	1	4698	50.0	43.0	
41 1,2,4-Trichlorobenzene	180	5.436	5.433	0.004	68	10318	50.0	51.0	
42 Naphthalene	128	5.494	5.497	-0.003	75	32779	50.0	46.7	
43 4-Chloroaniline	127	5.569	5.562	0.008	18	7490	50.0	56.4	
44 2,6-Dichlorophenol	162	5.569	5.568	0.003	52	8024	50.0	49.8	
45 Hexachlorobutadiene	225	5.596	5.599	-0.002	56	5089	50.0	42.4	
46 4-Chloro-3-methylphenol	107	6.018	6.000	0.019	11	5342	50.0	76.8	
47 2-Methylnaphthalene	142	6.061	6.054	0.004	49	21574	50.0	50.1	
48 1-Methylnaphthalene	142	6.135	6.139	-0.003	50	19491	50.0	47.6	
49 Hexachlorocyclopentadiene	237	6.184	6.187	-0.002	12	3412	50.0	28.7	
50 1,2,4,5-Tetrachlorobenzene	216	6.194	6.197	-0.002	33	7464	50.0	34.3	
52 2,4,6-Trichlorophenol	196	6.333	6.310	0.024	1	3099	50.0	58.8	
53 2,4,5-Trichlorophenol	196	6.387	6.363	0.025	1	4309	50.0	77.5	
54 1,1'-Biphenyl	154	6.445	6.443	0.003	67	20598	50.0	42.1	
55 2-Chloronaphthalene	162	6.456	6.454	0.003	80	16359	50.0	42.6	
56 2-Nitroaniline	138	6.574	6.561	0.014	14	1478	50.0	73.2	
57 Dimethyl phthalate	163	6.712	6.709	0.003	67	17025	50.0	39.6	
58 1,3-Dinitrobenzene	168	6.755	6.737	0.019	30	892	50.0	131.8	
59 2,6-Dinitrotoluene	165	6.760	6.754	0.003	19	2895	50.0	61.8	
60 Acenaphthylene	152	6.793	6.790	0.004	66	27406	50.0	45.3	
61 3-Nitroaniline	138	6.926	6.926	0.024	1	1820	50.0	91.0	a
62 Acenaphthene	153	6.931	6.935	-0.003	73	19747	50.0	50.1	
66 Dibenzofuran	168	7.081	7.079	0.003	60	24721	50.0	49.3	
65 2,4-Dinitrotoluene	165	7.102	7.102	0.019	1	3781	50.0	88.0	a
64 4-Nitrophenol	109	7.161	7.117	0.046	1	1007	100.0	800.5	
51 2,3,5,6-Tetrachlorophenol	232	7.177	7.164	0.014	1	2885	50.0	73.1	
67 2,3,4,6-Tetrachlorophenol	232	7.209	7.209	0.014	1	4125	50.0	65.8	a
68 Diethyl phthalate	149	7.289	7.286	0.003	82	60757	50.0	139.1	
69 Fluorene	166	7.359	7.357	0.003	72	21664	50.0	54.3	
70 4-Chlorophenyl phenyl ether	204	7.370	7.367	0.004	53	7838	50.0	42.7	
71 4-Nitroaniline	138	7.434	7.405	0.030	32	1274	50.0	78.3	
72 4,6-Dinitro-2-methylphenol	198	7.428	7.420	0.014	1	959	100.0	193.6	
73 N-Nitrosodiphenylamine	169	7.476	7.474	0.008	24	13909	50.0	41.6	
74 Azobenzene	77	7.498	7.497	0.003	52	14537	50.0	45.5	
75 4-Bromophenyl phenyl ether	248	7.770	7.773	0.003	1	5607	50.0	49.4	
76 Hexachlorobenzene	284	7.797	7.805	-0.002	19	1370	50.0	8.41	
77 Atrazine	200	7.920	7.918	0.003	1	5971	50.0	69.9	
78 Pentachlorophenol	266	8.005	7.987	0.024	1	2478	100.0	170.4	
79 n-Octadecane	57	8.059	8.061	-0.002	42	5780	50.0	30.2	
80 Phenanthrene	178	8.144	8.141	0.003	44	31045	50.0	40.5	
81 Anthracene	178	8.187	8.184	0.003	48	31702	50.0	48.8	
83 Carbazole	167	8.342	8.335	0.009	54	26811	50.0	50.5	
84 Di-n-butyl phthalate	149	8.630	8.627	0.003	89	40368	50.0	41.6	
85 Fluoranthene	202	9.122	9.121	0.009	74	33122	50.0	42.9	
88 Benzidine	184	9.271	9.271	0.019	0	5322	100.0	115.8	a
89 Pyrene	202	9.303	9.300	0.003	87	33582	50.0	40.3	
94 Butyl benzyl phthalate	149	9.859	9.856	0.003	54	18486	50.0	54.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
96 3,3'-Dichlorobenzidine	252	10.318	10.316	0.008	14	18509	100.0	109.7	
97 Benzo[a]anthracene	228	10.318	10.310	0.008	73	24821	50.0	42.9	
99 Chrysene	228	10.350	10.347	0.003	51	34247	50.0	35.7	
98 Bis(2-ethylhexyl) phthalate	149	10.372	10.374	-0.002	66	23172	50.0	46.8	
100 Di-n-octyl phthalate	149	11.034	11.036	-0.002	72	34497	50.0	39.2	
101 Benzo[b]fluoranthene	252	11.413	11.411	0.003	75	29389	50.0	42.2	
103 Benzo[k]fluoranthene	252	11.446	11.443	0.004	57	33089	50.0	37.1	
102 Benzofluoranthene	252	11.446	11.443	0.004	1	60261	100.0	73.9	
104 Benzo[a]pyrene	252	11.787	11.780	0.008	30	25411	50.0	42.2	
105 Indeno[1,2,3-cd]pyrene	276	13.160	13.153	0.008	72	12522	50.0	28.2	
106 Dibenz(a,h)anthracene	278	13.198	13.190	0.009	0	25215	50.0	48.2	
107 Benzo[g,h,i]perylene	276	13.486	13.474	0.008	76	32282	50.0	41.3	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
a - User Assigned ID

Reagents:

8270ccvl_50_00039 Amount Added: 1.00 Units: mL

Report Date: 09-Mar-2022 11:18:15 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A05.D

Injection Date: 08-Mar-2022 11:18:30 Instrument ID: TAC051

Lims ID: ccvl

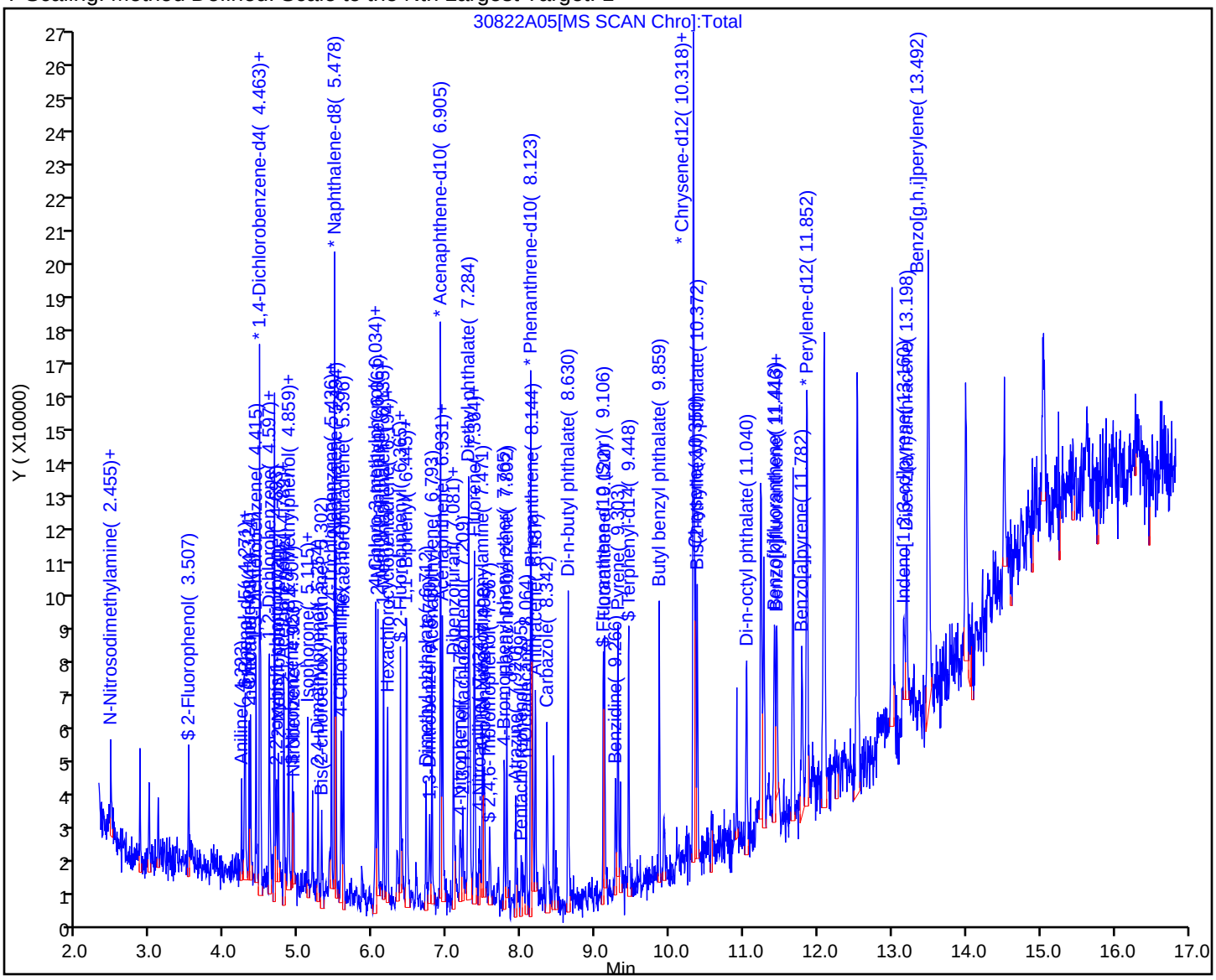
Client ID:

Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

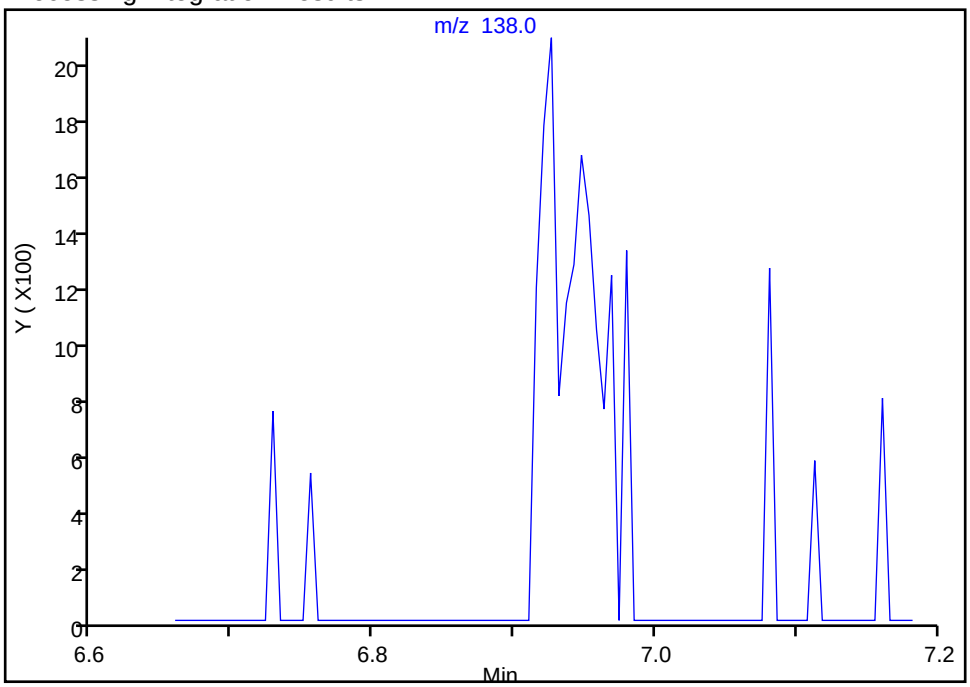
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A05.D
Injection Date: 08-Mar-2022 11:18:30 Instrument ID: TAC051
Lims ID: ccvl
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

61 3-Nitroaniline, CAS: 99-09-2

Signal: 1

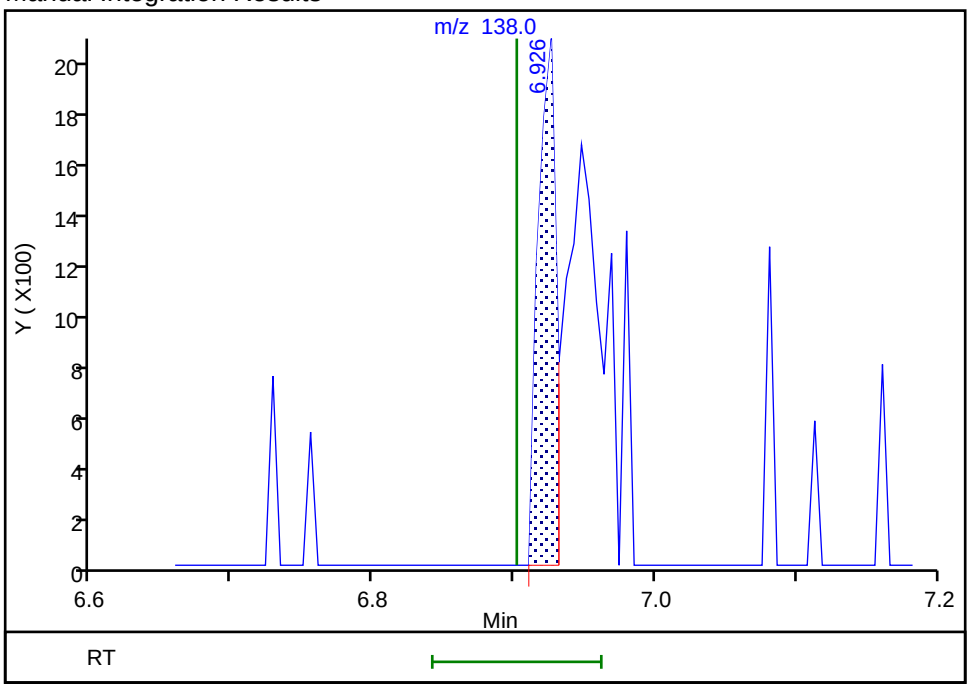
Not Detected
Expected RT: 6.90

Processing Integration Results



Manual Integration Results

RT: 6.93
Area: 1820
Amount: 91.021406
Amount Units: ug/L



Reviewer: thaneeratw, 09-Mar-2022 11:17:05
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

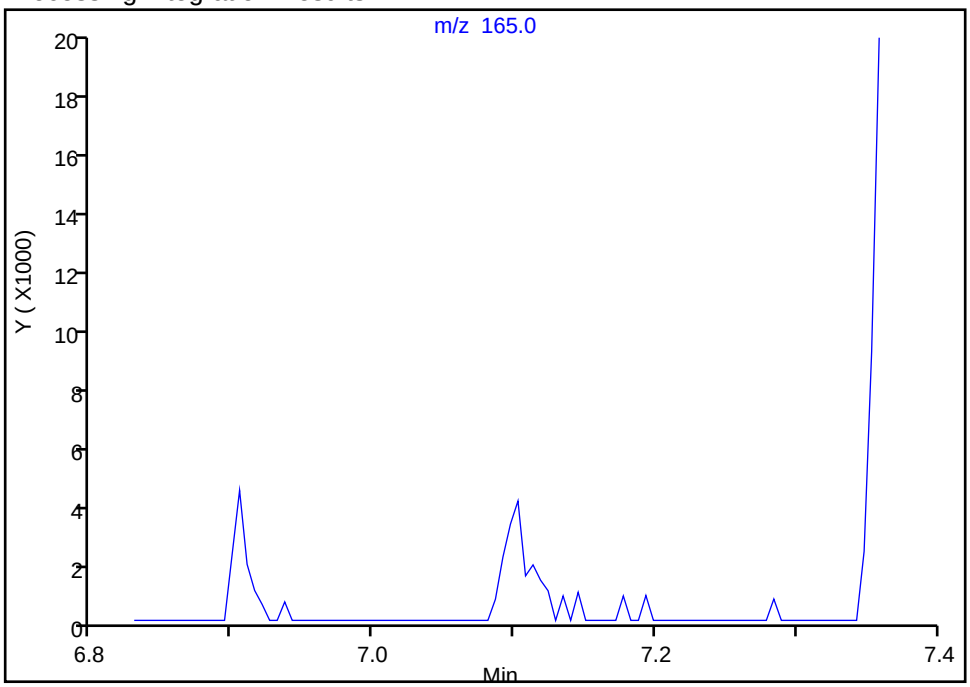
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A05.D
Injection Date: 08-Mar-2022 11:18:30 Instrument ID: TAC051
Lims ID: ccvl
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

65 2,4-Dinitrotoluene, CAS: 121-14-2

Signal: 1

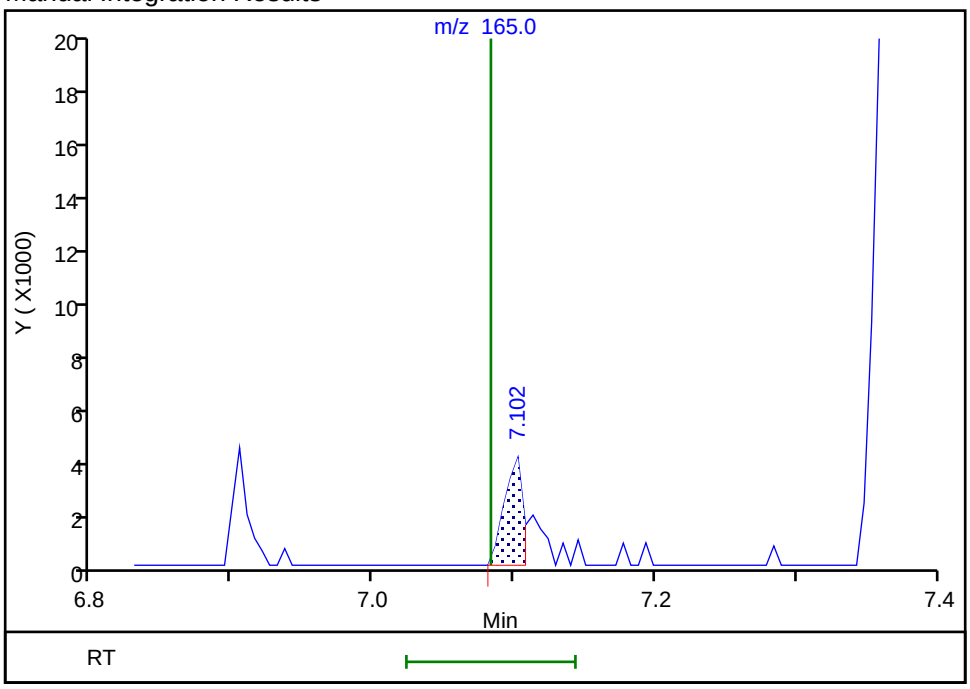
Not Detected
Expected RT: 7.08

Processing Integration Results



Manual Integration Results

RT: 7.10
Area: 3781
Amount: 87.956928
Amount Units: ug/L



Reviewer: thaneeratw, 09-Mar-2022 11:17:25
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

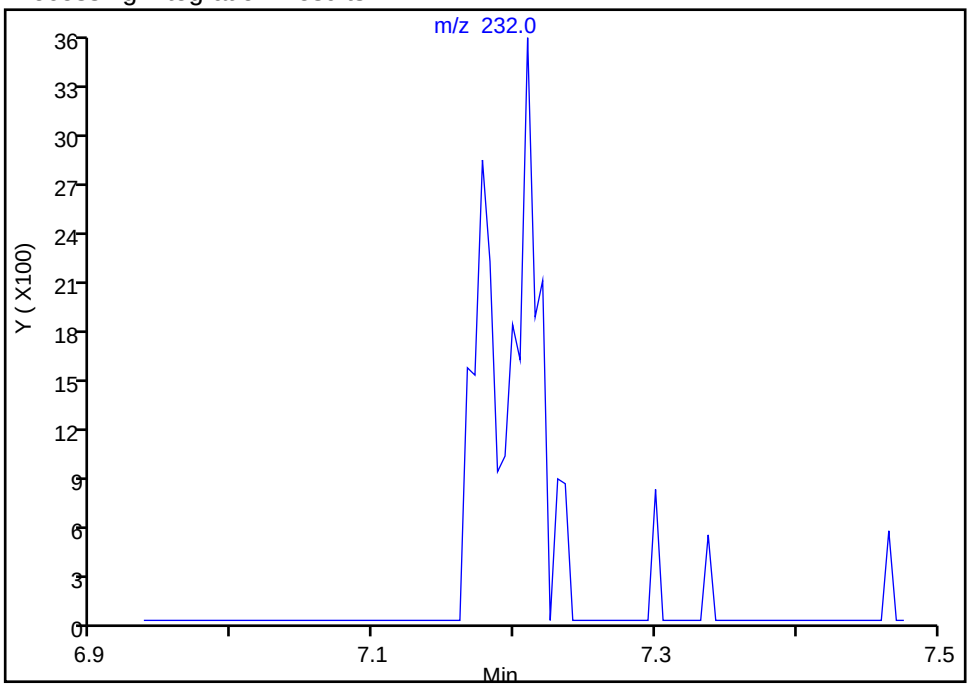
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A05.D
Injection Date: 08-Mar-2022 11:18:30 Instrument ID: TAC051
Lims ID: ccvl
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

67 2,3,4,6-Tetrachlorophenol, CAS: 58-90-2

Signal: 1

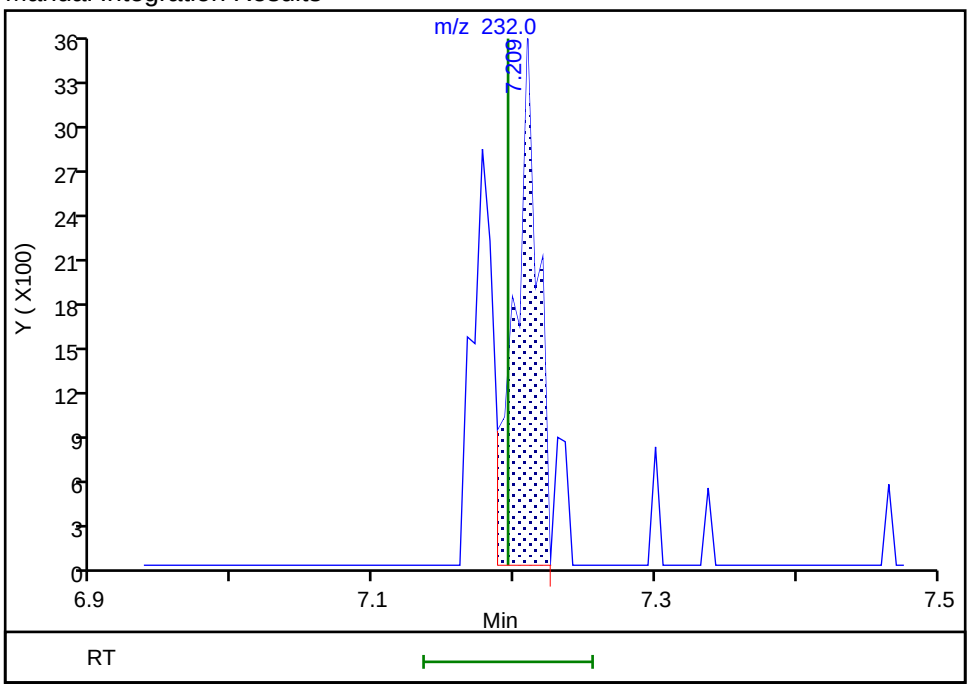
Not Detected
Expected RT: 7.20

Processing Integration Results



Manual Integration Results

RT: 7.21
Area: 4125
Amount: 65.821553
Amount Units: ug/L



Reviewer: thaneeratw, 09-Mar-2022 11:17:38
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

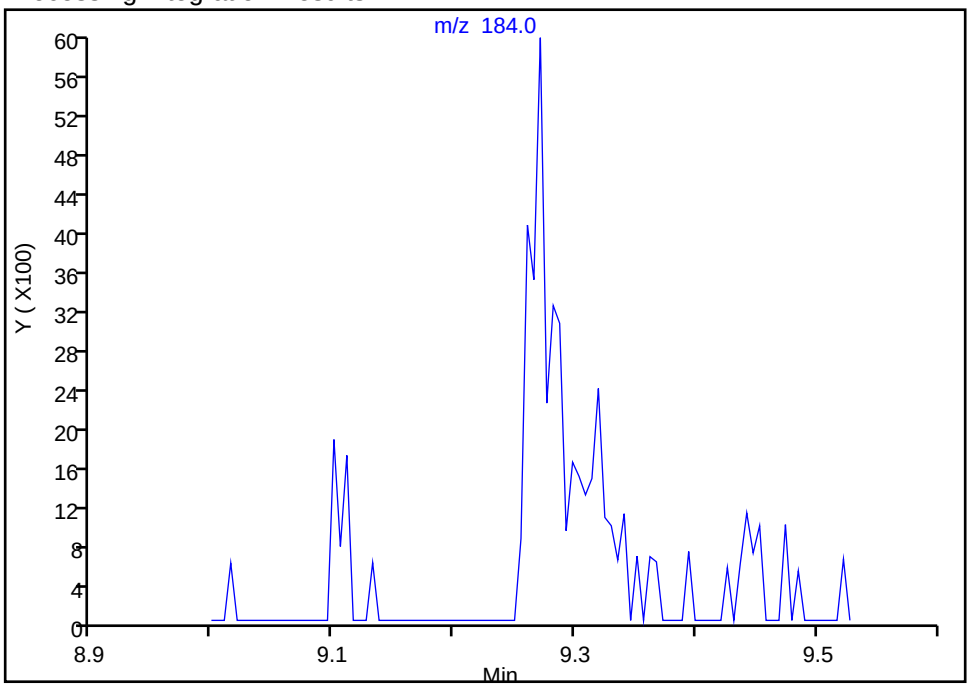
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A05.D
Injection Date: 08-Mar-2022 11:18:30 Instrument ID: TAC051
Lims ID: ccvl
Client ID:
Operator ID: TL ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

88 Benzidine, CAS: 92-87-5

Signal: 1

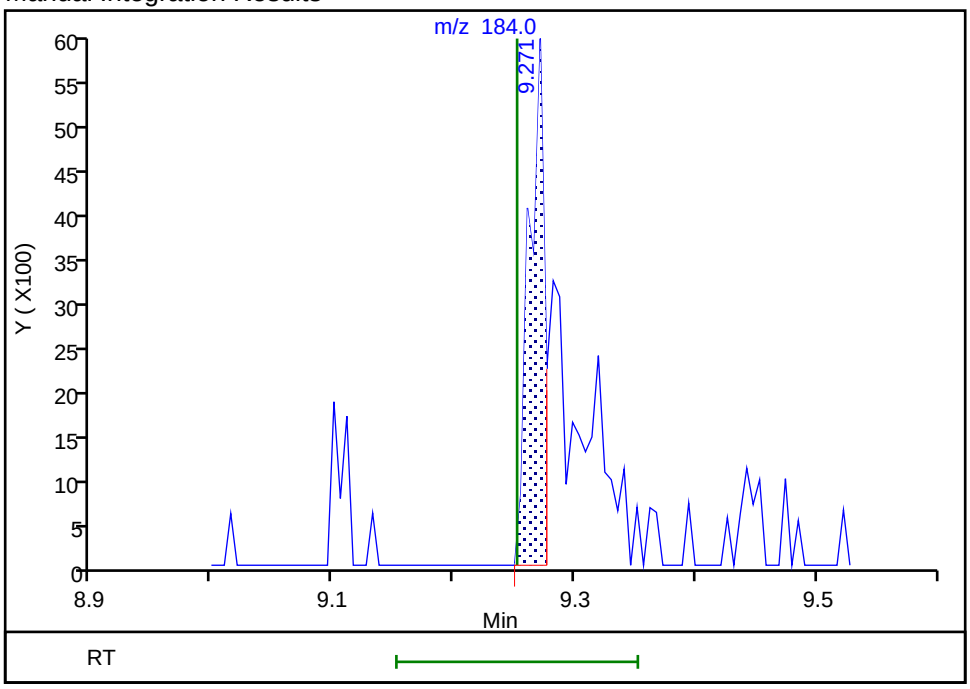
Not Detected
Expected RT: 9.25

Processing Integration Results



Manual Integration Results

RT: 9.27
Area: 5322
Amount: 115.7965
Amount Units: ug/L



Reviewer: thaneeratw, 09-Mar-2022 11:18:00
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVC 580-383156/15 | Calibration Date: 03/08/2022 17:13

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30822A15.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.4035	0.0100	981	1000	-1.9	50.0
Pyridine	Lin2		0.7216	0.0100	1990	2000	-0.7	50.0
Aniline	Lin1		1.052	0.0100	839	1000	-16.1	50.0
Phenol	Ave	1.004	0.9833	0.8000	979	1000	-2.1	50.0
Bis(2-chloroethyl)ether	Ave	0.8637	0.7943	0.7000	920	1000	-8.0	50.0
2-Chlorophenol	Ave	1.210	1.248	0.8000	1030	1000	3.1	50.0
n-Decane	Ave	0.7898	0.6032		764	1000	-23.6	50.0
1,3-Dichlorobenzene	Ave	1.441	1.445	0.0100	1000	1000	0.3	50.0
1,4-Dichlorobenzene	Ave	1.565	1.462	0.0100	934	1000	-6.6	50.0
1,2-Dichlorobenzene	Ave	1.465	1.387	0.0100	947	1000	-5.3	50.0
Benzyl alcohol	Lin2		0.5123	0.0100	837	1000	-16.3	50.0
bis (2-chloroisopropyl) ether	Ave	0.9704	0.7372	0.0100	760	1000	-24.0	50.0
o-Cresol	Ave	0.8394	0.8717	0.7000	1040	1000	3.8	50.0
Acetophenone	Ave	1.266	1.244	0.0100	983	1000	-1.7	50.0
N-Nitrosodi-n-propylamine	Ave	0.4984	0.4574*	0.5000	918	1000	-8.2	50.0
m+p-Cresol	Lin2		0.8882	0.6000	1020	1000	1.5	50.0
Hexachloroethane	Ave	0.5675	0.5410	0.3000	953	1000	-4.7	50.0
Nitrobenzene	Lin2		0.7665	0.2000	904	1000	-9.6	50.0
Isophorone	Ave	1.472	1.446	0.4000	983	1000	-1.7	50.0
2-Nitrophenol	Lin2		0.1817	0.1000	1050	1000	5.5	50.0
2,4-Dimethylphenol	Lin1		1.006	0.2000	1010	1000	1.0	50.0
Bis(2-chloroethoxy)methane	Ave	0.9233	0.8835	0.3000	957	1000	-4.3	50.0
Benzoic acid	Lin1		0.1856	0.0100	2000	2000	-0.2	50.0
2,4-Dichlorophenol	Lin1		0.2653	0.2000	1000	1000	0.2	50.0
1,2,4-Trichlorobenzene	Ave	0.3058	0.3062	0.0100	1000	1000	0.1	50.0
Naphthalene	Qua2		0.9784	0.7000	984	1000	-1.6	50.0
2,6-Dichlorophenol	Qua1		0.4852	0.0100	935	1000	-6.5	50.0
4-Chloroaniline	Lin1		0.2864	0.0100	823	1000	-17.7	50.0
Hexachlorobutadiene	Ave	0.1815	0.1929	0.0100	1060	1000	6.3	50.0
4-Chloro-3-methylphenol	Lin2		0.3507	0.2000	906	1000	-9.4	50.0
2-Methylnaphthalene	Ave	0.6515	0.6673	0.4000	1020	1000	2.4	50.0
1-Methylnaphthalene	Ave	0.6188	0.6279	0.0100	1010	1000	1.5	50.0
Hexachlorocyclopentadiene	Ave	0.3528	0.3456	0.0500	980	1000	-2.0	50.0
1,2,4,5-Tetrachlorobenzene	Qua		0.5117		973	1000	-2.7	50.0
2,4,6-Trichlorophenol	Lin2		0.3183	0.2000	992	1000	-0.8	50.0
2,4,5-Trichlorophenol	Lin1		0.3608	0.2000	985	1000	-1.5	50.0
1,1'-Biphenyl	Ave	1.451	1.391	0.0100	959	1000	-4.1	50.0
2-Chloronaphthalene	Ave	1.139	1.072	0.8000	941	1000	-5.9	50.0
2-Nitroaniline	Qua2		0.3463	0.0100	1080	1000	7.9	50.0
Dimethyl phthalate	Lin1		1.261	0.0100	1070	1000	7.3	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVC 580-383156/15 | Calibration Date: 03/08/2022 17:13

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30822A15.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1		0.3024	0.2000	1040	1000	3.6	50.0
Acenaphthylene	Qua2		1.700	0.9000	1010	1000	1.0	50.0
3-Nitroaniline	Lin2		0.2459	0.0100	883	1000	-11.7	50.0
Acenaphthene	Ave	1.170	1.118	0.9000	955	1000	-4.5	50.0
2,4-Dinitrophenol	Lin1		0.1032	0.0100	1510	2000	-24.6	50.0
Dibenzofuran	Ave	1.488	1.502	0.8000	1010	1000	0.9	50.0
2,4-Dinitrotoluene	Lin2		0.3824	0.2000	1020	1000	2.0	50.0
4-Nitrophenol	Lin1		0.2158	0.0100	2990	2000	49.5	50.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2846	0.0100	1110	1000	10.9	50.0
2,3,4,6-Tetrachlorophenol	Lin2		0.3386	0.0100	1130	1000	12.7	50.0
Diethyl phthalate	Ave	1.296	1.457	0.0100	1120	1000	12.4	50.0
Fluorene	Ave	1.184	1.253	0.9000	1060	1000	5.9	50.0
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5630	0.4000	1030	1000	3.3	50.0
4-Nitroaniline	Lin1		0.2453	0.0100	925	1000	-7.5	50.0
4,6-Dinitro-2-methylphenol	Lin1		0.0936	0.0100	1610	2000	-19.7	50.0
N-Nitrosodiphenylamine	Ave	0.5309	0.5762	0.0100	1090	1000	8.5	50.0
Azobenzene	Lin2		0.5562		1010	1000	0.8	50.0
4-Bromophenyl phenyl ether	Qua2		0.2289	0.1000	1040	1000	3.6	50.0
Hexachlorobenzene	Ave	0.2584	0.2987	0.1000	1160	1000	15.6	50.0
Atrazine	Lin2		0.3598	0.0100	1070	1000	7.2	50.0
Pentachlorophenol	Lin2		0.1533	0.0500	2150	2000	7.6	50.0
n-Octadecane	Qua1		0.2764		873	1000	-12.7	50.0
Phenanthrene	Qua2		1.097	0.7000	976	1000	-2.4	50.0
Anthracene	Qua1		1.123	0.7000	962	1000	-3.8	50.0
Carbazole	Qua1		0.9534	0.0100	1070	1000	6.8	50.0
Di-n-butyl phthalate	Qua1		1.474	0.0100	1040	1000	4.5	50.0
Fluoranthene	Qua1		1.187	0.6000	992	1000	-0.8	50.0
Benzidine	Lin1		0.1798	0.0100	1310	2000	-34.7	50.0
Pyrene	Qua1		1.195	0.6000	971	1000	-2.9	50.0
Butyl benzyl phthalate	Qua1		0.6793	0.0100	941	1000	-5.9	50.0
3,3'-Dichlorobenzidine	Qua1		0.3933	0.0100	1950	2000	-2.6	50.0
Benzo[a]anthracene	Qua1		1.144	0.8000	913	1000	-8.7	50.0
Chrysene	Qua2		1.125	0.7000	848	1000	-15.2	50.0
Bis(2-ethylhexyl) phthalate	Qua2		0.998	0.0100	1070	1000	7.4	50.0
Di-n-octyl phthalate	Ave	1.324	1.402	0.0100	1060	1000	5.9	50.0
Benzo[b]fluoranthene	Lin2		1.049	0.7000	947	1000	-5.3	50.0
Benzo[k]fluoranthene	Ave	1.342	1.146	0.7000	853	1000	-14.7	50.0
Benzofluoranthene	Ave	1.229	1.073		1750	2000	-12.7	50.0
Benzo[a]pyrene	Lin2		0.9301	0.7000	913	1000	-8.7	50.0
Indeno[1,2,3-cd]pyrene	Lin1		0.9948	0.5000	981	1000	-1.9	50.0
Dibenz(a,h)anthracene	Lin2		1.006	0.4000	922	1000	-7.8	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVC 580-383156/15 | Calibration Date: 03/08/2022 17:13

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 30822A15.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua1		1.095	0.5000	863	1000	-13.7	50.0
2-Fluorophenol (Surr)	Lin2		0.8878		956	1000	-4.4	50.0
Phenol-d5 (Surr)	Lin1		1.024		994	1000	-0.6	50.0
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2348		987	1000	-1.3	50.0
2-Fluorobiphenyl	Ave	1.330	1.231		926	1000	-7.4	50.0
2,4,6-Tribromophenol (Surr)	Lin1		0.1856	0.0100	1360	1000	35.7	50.0
Terphenyl-d14	Ave	0.7490	0.8315		1110	1000	11.0	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A15.D
Lims ID: ccvc
Client ID:
Sample Type: CCVC
Inject. Date: 08-Mar-2022 17:13:30 ALS Bottle#: 3 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVC
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:53:45 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:53:45

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.464	4.466	-0.002	85	17708	100.0	100.0	
* 2 Naphthalene-d8	136	5.479	5.481	-0.002	95	65025	100.0	100.0	
* 3 Acenaphthene-d10	164	6.906	6.907	-0.001	69	37008	100.0	100.0	
* 4 Phenanthrene-d10	188	8.124	8.120	0.004	85	56114	100.0	100.0	
* 5 Chrysene-d12	240	10.325	10.321	0.005	63	53256	100.0	100.0	
* 6 Perylene-d12	264	11.853	11.848	0.005	89	63514	100.0	100.0	
$ 7 2-Fluorophenol	112	3.503	3.504	-0.001	82	157217	1000.0	956.4	
$ 8 Phenol-d5	99	4.256	4.257	-0.001	97	181355	1000.0	994.1	
$ 9 Nitrobenzene-d5	82	4.908	4.909	-0.001	87	152707	1000.0	986.6	
$ 10 2-methylnaphthalene-d10	152	6.035	6.031	0.004	0	384445	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.366	6.367	-0.001	98	455679	1000.0	926.0	
$ 12 2,4,6-Tribromophenol	330	7.563	7.564	-0.001	80	104132	1000.0	1356.7	
$ 13 Fluoranthene-d10 (Surr)	212	9.101	9.097	0.004	0	592964	NC	NC	
$ 14 Terphenyl-d14	244	9.443	9.444	-0.001	98	466591	1000.0	1110.2	
16 N-Nitrosodimethylamine	74	2.424	2.425	-0.001	72	71448	1000.0	980.8	
17 Pyridine	79	2.434	2.437	-0.002	93	255572	2000.0	1985.2	
18 Aniline	93	4.219	4.221	-0.001	98	186277	1000.0	839.4	
20 Bis(2-chloroethyl)ether	93	4.267	4.269	-0.001	79	140662	1000.0	919.7	
19 Phenol	94	4.261	4.269	-0.007	95	174127	1000.0	979.0	
21 2-Chlorophenol	128	4.320	4.323	-0.001	92	221073	1000.0	1031.4	
22 n-Decane	57	4.342	4.343	-0.001	81	106807	1000.0	763.7	
23 1,3-Dichlorobenzene	146	4.416	4.418	-0.001	97	255958	1000.0	1002.8	
25 1,4-Dichlorobenzene	146	4.475	4.477	-0.001	94	258910	1000.0	934.4	
27 1,2-Dichlorobenzene	146	4.593	4.595	-0.001	97	245655	1000.0	946.8	
26 Benzyl alcohol	79	4.598	4.601	-0.001	58	90724	1000.0	837.0	
29 2,2'-oxybis[1-chloropropane]	45	4.694	4.695	-0.001	68	130543	1000.0	759.7	
28 2-Methylphenol	108	4.715	4.718	-0.002	87	154357	1000.0	1038.5	
30 Acetophenone	105	4.790	4.793	-0.001	92	220354	1000.0	982.8	
31 N-Nitrosodi-n-propylamine	70	4.796	4.798	-0.001	91	81002	1000.0	917.9	
32 3 & 4 Methylphenol	108	4.844	4.851	-0.006	98	157283	1000.0	1015.3	
33 Hexachloroethane	117	4.860	4.858	0.004	90	95802	1000.0	953.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.924	4.922	-0.001	82	135732	1000.0	904.4	
35 Isophorone	82	5.116	5.117	-0.001	95	256079	1000.0	982.6	
36 2-Nitrophenol	139	5.180	5.177	0.004	85	118161	1000.0	1054.6	
37 2,4-Dimethylphenol	107	5.250	5.252	-0.001	93	178142	1000.0	1010.5	
38 Bis(2-chloroethoxy)methane	93	5.303	5.305	-0.001	95	156456	1000.0	956.9	
39 Benzoic acid	105	5.351	5.353	-0.001	73	241397	2000.0	1996.8	
40 2,4-Dichlorophenol	162	5.399	5.401	-0.001	88	172488	1000.0	1001.8	
41 1,2,4-Trichlorobenzene	180	5.437	5.433	0.005	89	199086	1000.0	1001.2	
42 Naphthalene	128	5.495	5.497	-0.002	96	636191	1000.0	984.3	
43 4-Chloroaniline	127	5.565	5.562	0.004	69	186260	1000.0	823.4	
44 2,6-Dichlorophenol	162	5.565	5.568	-0.001	95	179569	1000.0	934.9	
45 Hexachlorobutadiene	225	5.597	5.599	-0.001	90	125427	1000.0	1062.8	
46 4-Chloro-3-methylphenol	107	5.998	6.000	-0.001	86	129786	1000.0	905.7	
47 2-Methylnaphthalene	142	6.062	6.054	0.005	80	433890	1000.0	1024.3	
48 1-Methylnaphthalene	142	6.136	6.139	-0.002	93	408298	1000.0	1014.8	
49 Hexachlorocyclopentadiene	237	6.185	6.187	-0.001	93	127918	1000.0	979.7	
50 1,2,4,5-Tetrachlorobenzene	216	6.195	6.197	-0.001	95	189382	1000.0	972.7	
52 2,4,6-Trichlorophenol	196	6.313	6.310	0.004	82	117796	1000.0	991.6	
53 2,4,5-Trichlorophenol	196	6.361	6.363	-0.001	54	133517	1000.0	985.0	
54 1,1'-Biphenyl	154	6.446	6.443	0.004	93	514731	1000.0	958.7	
55 2-Chloronaphthalene	162	6.457	6.454	0.004	94	396718	1000.0	940.8	
56 2-Nitroaniline	138	6.558	6.561	-0.002	88	128172	1000.0	1079.3	
57 Dimethyl phthalate	163	6.708	6.709	-0.001	98	466783	1000.0	1073.1	
58 1,3-Dinitrobenzene	168	6.735	6.737	-0.001	64	72118	1000.0	1100.5	
59 2,6-Dinitrotoluene	165	6.756	6.754	-0.001	65	111925	1000.0	1036.4	
60 Acenaphthylene	152	6.794	6.790	0.005	90	629083	1000.0	1009.9	
61 3-Nitroaniline	138	6.906	6.903	0.004	84	91015	1000.0	883.1	
62 Acenaphthene	153	6.932	6.935	-0.002	92	413684	1000.0	955.2	
63 2,4-Dinitrophenol	184	6.986	6.983	0.004	84	76399	2000.0	1508.3	
66 Dibenzofuran	168	7.077	7.079	-0.001	87	555795	1000.0	1009.4	
65 2,4-Dinitrotoluene	165	7.082	7.084	-0.001	74	141509	1000.0	1020.2	
64 4-Nitrophenol	109	7.114	7.117	-0.001	82	159706	2000.0	2991.0	
51 2,3,5,6-Tetrachlorophenol	232	7.162	7.164	-0.001	77	105340	1000.0	1108.8	
67 2,3,4,6-Tetrachlorophenol	232	7.194	7.196	-0.001	69	125291	1000.0	1126.6	
68 Diethyl phthalate	149	7.285	7.286	-0.001	98	539357	1000.0	1124.3	
69 Fluorene	166	7.360	7.357	0.004	84	463881	1000.0	1058.6	
70 4-Chlorophenyl phenyl ether	204	7.365	7.367	-0.001	88	208338	1000.0	1032.9	
71 4-Nitroaniline	138	7.403	7.405	-0.001	83	90777	1000.0	925.1	
72 4,6-Dinitro-2-methylphenol	198	7.413	7.420	-0.001	87	105055	2000.0	1606.0	
73 N-Nitrosodiphenylamine	169	7.472	7.474	0.004	59	323341	1000.0	1085.5	
74 Azobenzene	77	7.493	7.497	-0.002	79	312091	1000.0	1008.4	
75 4-Bromophenyl phenyl ether	248	7.766	7.773	-0.001	58	128430	1000.0	1035.6	
76 Hexachlorobenzene	284	7.803	7.805	0.004	84	167602	1000.0	1155.7	
77 Atrazine	200	7.921	7.918	0.004	90	133143	1000.0	1072.0	
78 Pentachlorophenol	266	7.985	7.987	0.004	88	172065	2000.0	2152.2	
79 n-Octadecane	57	8.060	8.061	-0.001	89	155075	1000.0	873.3	
80 Phenanthrene	178	8.140	8.141	-0.001	97	615732	1000.0	975.6	
81 Anthracene	178	8.183	8.184	-0.002	97	629977	1000.0	962.0	
83 Carbazole	167	8.337	8.335	0.004	83	534981	1000.0	1068.1	
84 Di-n-butyl phthalate	149	8.631	8.627	0.004	99	827257	1000.0	1044.7	
85 Fluoranthene	202	9.117	9.121	0.004	96	666111	1000.0	992.3	
88 Benzidine	184	9.251	9.255	-0.001	95	201816	2000.0	1306.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.299	9.300	-0.001	98	670761	1000.0	971.3	
94 Butyl benzyl phthalate	149	9.860	9.856	0.004	92	361751	1000.0	941.4	
96 3,3'-Dichlorobenzidine	252	10.314	10.316	0.004	60	418941	2000.0	1948.5	
97 Benzo[a]anthracene	228	10.314	10.310	0.004	98	609254	1000.0	913.3	
99 Chrysene	228	10.351	10.347	0.004	90	599368	1000.0	848.5	
98 Bis(2-ethylhexyl) phthalate	149	10.378	10.374	0.004	76	531530	1000.0	1074.3	
100 Di-n-octyl phthalate	149	11.041	11.036	0.005	97	890359	1000.0	1058.8	
101 Benzo[b]fluoranthene	252	11.414	11.411	0.004	93	666376	1000.0	947.4	
103 Benzo[k]fluoranthene	252	11.447	11.443	0.005	93	727656	1000.0	853.4	
102 Benzofluoranthene	252	11.447	11.443	0.005	1	1363181	2000.0	1746.5	
104 Benzo[a]pyrene	252	11.783	11.780	0.004	73	590727	1000.0	913.4	
105 Indeno[1,2,3-cd]pyrene	276	13.156	13.153	0.004	92	631821	1000.0	980.7	
106 Dibenz(a,h)anthracene	278	13.199	13.190	0.010	6	638786	1000.0	921.7	
107 Benzo[g,h,i]perylene	276	13.487	13.474	0.009	88	695567	1000.0	863.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 09-Mar-2022 09:53:45 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A15.D

Injection Date: 08-Mar-2022 17:13:30 Instrument ID: TAC051

Lims ID: ccvc

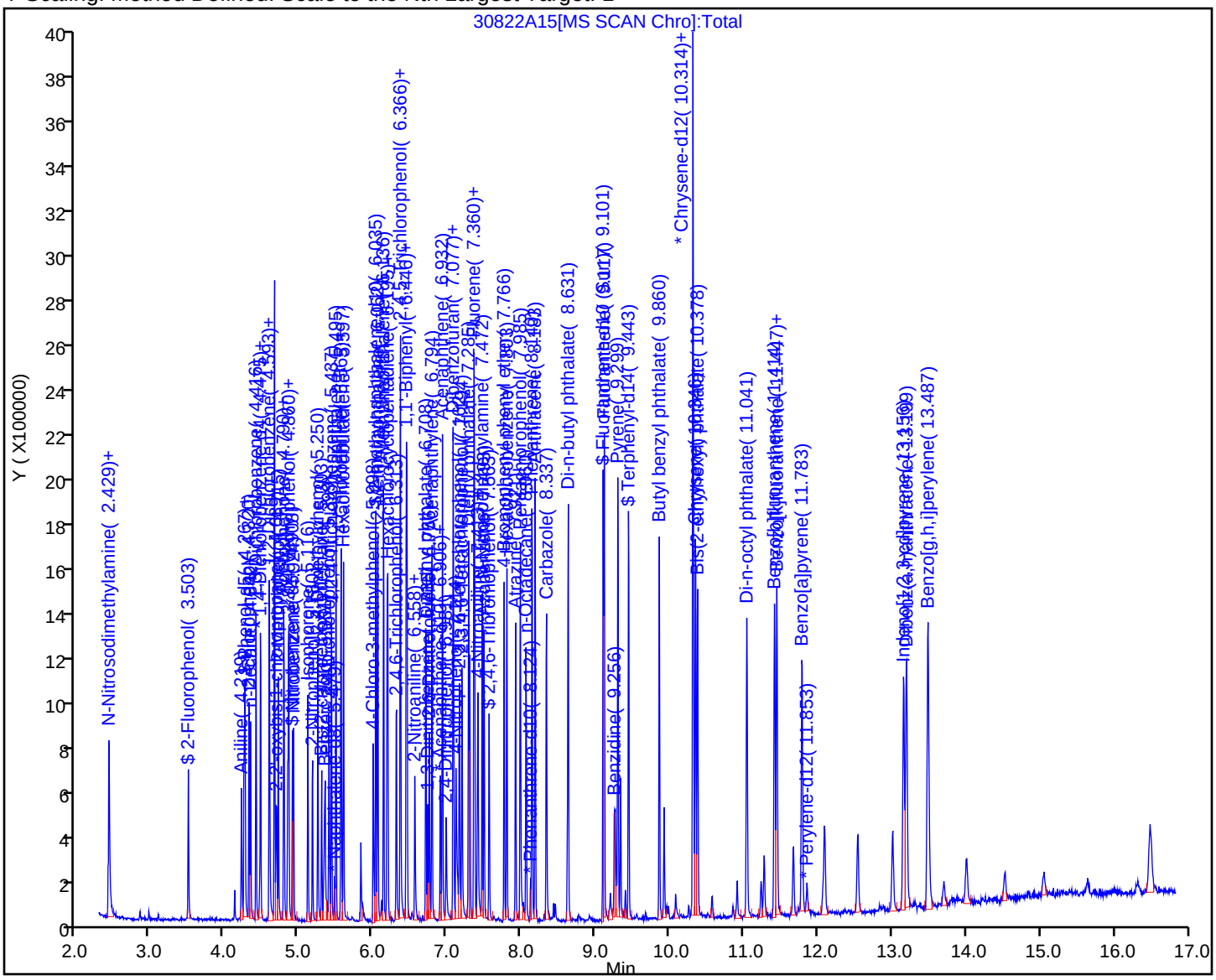
Client ID:

Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 15

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVIS 580-384307/3 | Calibration Date: 03/18/2022 10:27

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 31822A04.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.3673	0.0100	895	1000	-10.5	20.0
Pyridine	Lin2		0.6596	0.0100	1820	2000	-9.0	20.0
Aniline	Lin1		1.029	0.0100	822	1000	-17.8	20.0
Phenol	Ave	1.004	0.8307	0.8000	827	1000	-17.3	20.0
Bis(2-chloroethyl)ether	Ave	0.8637	0.7725	0.7000	894	1000	-10.6	20.0
2-Chlorophenol	Ave	1.210	1.310	0.8000	1080	1000	8.3	20.0
n-Decane	Ave	0.7898	0.6512		824	1000	-17.6	20.0
1,3-Dichlorobenzene	Ave	1.441	1.411	0.0100	979	1000	-2.1	20.0
1,4-Dichlorobenzene	Ave	1.565	1.479	0.0100	945	1000	-5.5	20.0
1,2-Dichlorobenzene	Ave	1.465	1.422	0.0100	970	1000	-3.0	20.0
Benzyl alcohol	Lin2		0.5646	0.0100	922	1000	-7.8	20.0
bis (2-chloroisopropyl) ether	Ave	0.9704	0.8278	0.0100	853	1000	-14.7	20.0
o-Cresol	Ave	0.8394	0.8332	0.7000	993	1000	-0.7	20.0
Acetophenone	Ave	1.266	1.201	0.0100	948	1000	-5.2	20.0
N-Nitrosodi-n-propylamine	Ave	0.4984	0.4773*	0.5000	958	1000	-4.2	20.0
m+p-Cresol	Lin2		0.8528	0.6000	975	1000	-2.5	20.0
Hexachloroethane	Ave	0.5675	0.5842	0.3000	1030	1000	2.9	20.0
Nitrobenzene	Lin2		0.8043	0.2000	949	1000	-5.1	20.0
Isophorone	Ave	1.472	1.408	0.4000	957	1000	-4.3	20.0
2-Nitrophenol	Lin2		0.1771	0.1000	1030	1000	2.8	20.0
2,4-Dimethylphenol	Lin1		1.009	0.2000	1010	1000	1.4	20.0
Bis(2-chloroethoxy)methane	Ave	0.9233	0.8976	0.3000	972	1000	-2.8	20.0
Benzoic acid	Lin1		0.1653	0.0100	1810	2000	-9.3	20.0
2,4-Dichlorophenol	Lin1		0.2708	0.2000	1020	1000	2.2	20.0
1,2,4-Trichlorobenzene	Ave	0.3058	0.2842	0.0100	929	1000	-7.1	20.0
Naphthalene	Qua2		0.9648	0.7000	970	1000	-3.0	20.0
2,6-Dichlorophenol	Qua1		0.5272	0.0100	1020	1000	1.6	20.0
4-Chloroaniline	Lin1		0.2857	0.0100	821	1000	-17.9	20.0
Hexachlorobutadiene	Ave	0.1815	0.1710	0.0100	942	1000	-5.8	20.0
4-Chloro-3-methylphenol	Lin2		0.4163	0.2000	1070	1000	6.8	20.0
2-Methylnaphthalene	Ave	0.6515	0.6579	0.4000	1010	1000	1.0	20.0
1-Methylnaphthalene	Ave	0.6188	0.6258	0.0100	1010	1000	1.1	20.0
Hexachlorocyclopentadiene	Ave	0.3528	0.3170	0.0500	898	1000	-10.2	20.0
1,2,4,5-Tetrachlorobenzene	Qua		0.5291		1010	1000	0.6	20.0
2,4,6-Trichlorophenol	Lin2		0.3456	0.2000	1070	1000	7.4	20.0
2,4,5-Trichlorophenol	Lin1		0.3666	0.2000	1000	1000	0.0	20.0
1,1'-Biphenyl	Ave	1.451	1.515	0.0100	1040	1000	4.4	20.0
2-Chloronaphthalene	Ave	1.139	1.133	0.8000	994	1000	-0.6	20.0
2-Nitroaniline	Qua2		0.3740	0.0100	1160	1000	15.9	20.0
Dimethyl phthalate	Lin1		1.326	0.0100	1130	1000	12.9	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVIS 580-384307/3 | Calibration Date: 03/18/2022 10:27

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 31822A04.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1		0.3146	0.2000	1080	1000	7.7	20.0
Acenaphthylene	Qua2		1.822	0.9000	1080	1000	8.5	20.0
3-Nitroaniline	Lin2		0.2705	0.0100	964	1000	-3.6	20.0
Acenaphthene	Ave	1.170	1.218	0.9000	1040	1000	4.1	20.0
2,4-Dinitrophenol	Lin1		0.1388	0.0100	1880	2000	-6.0	20.0
Dibenzofuran	Ave	1.488	1.615	0.8000	1090	1000	8.5	20.0
2,4-Dinitrotoluene	Lin2		0.4017	0.2000	1070	1000	6.9	20.0
4-Nitrophenol	Lin1		0.1443	0.0100	2260	2000	13.0	20.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2691	0.0100	1050	1000	5.0	20.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2978	0.0100	994	1000	-0.6	20.0
Diethyl phthalate	Ave	1.296	1.459	0.0100	1130	1000	12.6	20.0
Fluorene	Ave	1.184	1.337	0.9000	1130	1000	12.9	20.0
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5879	0.4000	1080	1000	7.9	20.0
4-Nitroaniline	Lin1		0.2334	0.0100	883	1000	-11.7	20.0
4,6-Dinitro-2-methylphenol	Lin1		0.1181	0.0100	1980	2000	-1.1	20.0
N-Nitrosodiphenylamine	Ave	0.5309	0.6140	0.0100	1160	1000	15.7	20.0
Azobenzene	Lin2		0.5725		1040	1000	3.8	20.0
4-Bromophenyl phenyl ether	Qua2		0.2201	0.1000	996	1000	-0.4	20.0
Hexachlorobenzene	Ave	0.2584	0.2673	0.1000	1030	1000	3.4	20.0
Atrazine	Lin2		0.3521	0.0100	1050	1000	4.9	20.0
Pentachlorophenol	Lin2		0.1318	0.0500	1870	2000	-6.5	20.0
n-Octadecane	Qua1		0.2923		924	1000	-7.6	20.0
Phenanthrene	Qua2		1.157	0.7000	1030	1000	3.1	20.0
Anthracene	Qua1		1.184	0.7000	1020	1000	1.7	20.0
Carbazole	Qua1		1.015	0.0100	1140	1000	14.0	20.0
Di-n-butyl phthalate	Qua1		1.473	0.0100	1040	1000	4.4	20.0
Fluoranthene	Qua1		1.233	0.6000	1030	1000	3.2	20.0
Benzidine	Lin1		0.2259	0.0100	1620	2000	-19.0	20.0
Pyrene	Qua1		1.226	0.6000	997	1000	-0.3	20.0
Butyl benzyl phthalate	Qua1		0.7491	0.0100	1040	1000	3.9	20.0
3,3'-Dichlorobenzidine	Qua1		0.4325	0.0100	2140	2000	7.1	20.0
Benzo[a]anthracene	Qua1		1.188	0.8000	949	1000	-5.1	20.0
Chrysene	Qua2		1.196	0.7000	904	1000	-9.6	20.0
Bis(2-ethylhexyl) phthalate	Qua2		1.074	0.0100	1150	1000	15.5	20.0
Di-n-octyl phthalate	Ave	1.324	1.610	0.0100	1220	1000	21.6*	20.0
Benzo[b]fluoranthene	Lin2		1.161	0.7000	1050	1000	4.8	20.0
Benzo[k]fluoranthene	Ave	1.342	1.243	0.7000	926	1000	-7.4	20.0
Benzofluoranthene	Ave	1.229	1.178		1920	2000	-4.2	20.0
Benzo[a]pyrene	Lin2		1.033	0.7000	1010	1000	1.4	20.0
Indeno[1,2,3-cd]pyrene	Lin1		1.024	0.5000	1010	1000	0.9	20.0
Dibenz(a,h)anthracene	Lin2		1.105	0.4000	1010	1000	1.1	20.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVIS 580-384307/3 | Calibration Date: 03/18/2022 10:27

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 31822A04.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzo[g,h,i]perylene	Qua1		1.153	0.5000	909	1000	-9.1	20.0
2-Fluorophenol (Surr)	Lin2		0.8887		957	1000	-4.3	20.0
Phenol-d5 (Surr)	Lin1		1.020		990	1000	-1.0	20.0
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2291		963	1000	-3.7	20.0
2-Fluorobiphenyl	Ave	1.330	1.343		1010	1000	1.0	20.0
2,4,6-Tribromophenol (Surr)	Lin1		0.1515	0.0100	1120	1000	11.5	20.0
Terphenyl-d14	Ave	0.7490	0.8012		1070	1000	7.0	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A04.D
Lims ID: ccvis
Client ID:
Sample Type: CCVIS
Inject. Date: 18-Mar-2022 10:27:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:14:35 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:14:35

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.454	4.454	0.000	88	35325	100.0	100.0	
* 2 Naphthalene-d8	136	5.469	5.469	0.000	94	130325	100.0	100.0	
* 3 Acenaphthene-d10	164	6.895	6.895	0.000	87	68005	100.0	100.0	
* 4 Phenanthrene-d10	188	8.108	8.108	0.000	93	105144	100.0	100.0	
* 5 Chrysene-d12	240	10.309	10.309	0.000	67	94422	100.0	100.0	
* 6 Perylene-d12	264	11.831	11.831	0.000	92	101230	100.0	100.0	
$ 7 2-Fluorophenol	112	3.471	3.471	0.000	84	313943	1000.0	957.3	
$ 8 Phenol-d5	99	4.224	4.224	0.000	98	360466	1000.0	990.4	
$ 9 Nitrobenzene-d5	82	4.897	4.897	0.000	85	298604	1000.0	962.6	
$ 10 2-methylnaphthalene-d10	152	6.019	6.019	0.000	0	756057	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.356	6.356	0.000	99	913508	1000.0	1010.2	
$ 12 2,4,6-Tribromophenol	330	7.547	7.547	0.000	84	159339	1000.0	1115.1	
$ 13 Fluoranthene-d10 (Surr)	212	9.085	9.085	0.000	0	1114901	NC	NC	
$ 14 Terphenyl-d14	244	9.433	9.433	0.000	99	842381	1000.0	1069.7	
15 1,4-Dioxane	88	2.328	2.328	0.000	13	2371	NC	NC	
16 N-Nitrosodimethylamine	74	2.408	2.408	0.000	72	129761	1000.0	895.1	
17 Pyridine	79	2.413	2.413	0.000	89	466020	2000.0	1819.3	
18 Aniline	93	4.203	4.203	0.000	98	363631	1000.0	821.5	M
19 Phenol	94	4.229	4.229	0.000	97	293460	1000.0	827.1	
20 Bis(2-chloroethyl)ether	93	4.256	4.256	0.000	92	272872	1000.0	894.3	
21 2-Chlorophenol	128	4.304	4.304	0.000	86	462929	1000.0	1082.6	
22 n-Decane	57	4.331	4.331	0.000	91	230023	1000.0	824.5	
23 1,3-Dichlorobenzene	146	4.406	4.406	0.000	96	498395	1000.0	978.8	
25 1,4-Dichlorobenzene	146	4.464	4.464	0.000	96	522481	1000.0	945.3	
27 1,2-Dichlorobenzene	146	4.582	4.582	0.000	97	502328	1000.0	970.5	
26 Benzyl alcohol	79	4.582	4.582	0.000	53	199447	1000.0	921.7	
29 2,2'-oxybis[1-chloropropane]	45	4.683	4.683	0.000	72	292424	1000.0	853.1	
28 2-Methylphenol	108	4.694	4.694	0.000	87	294340	1000.0	992.7	
30 Acetophenone	105	4.780	4.780	0.000	93	424215	1000.0	948.4	
31 N-Nitrosodi-n-propylamine	70	4.785	4.785	0.000	92	168616	1000.0	957.8	
32 3 & 4 Methylphenol	108	4.822	4.822	0.000	98	301239	1000.0	975.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.844	4.844	0.000	91	206359	1000.0	1029.5	
34 Nitrobenzene	77	4.913	4.913	0.000	86	284125	1000.0	948.6	
35 Isophorone	82	5.106	5.106	0.000	93	497305	1000.0	956.5	
36 2-Nitrophenol	139	5.170	5.170	0.000	83	230749	1000.0	1027.7	
37 2,4-Dimethylphenol	107	5.234	5.234	0.000	91	356524	1000.0	1013.7	
38 Bis(2-chloroethoxy)methane	93	5.293	5.293	0.000	94	317085	1000.0	972.2	
39 Benzoic acid	105	5.319	5.319	0.000	79	430783	2000.0	1814.7	
40 2,4-Dichlorophenol	162	5.383	5.383	0.000	86	352873	1000.0	1022.2	
41 1,2,4-Trichlorobenzene	180	5.426	5.426	0.000	93	370387	1000.0	929.4	
42 Naphthalene	128	5.485	5.485	0.000	96	1257325	1000.0	970.1	
43 4-Chloroaniline	127	5.549	5.549	0.000	69	372329	1000.0	821.3	
44 2,6-Dichlorophenol	162	5.549	5.549	0.000	95	358553	1000.0	1016.0	
45 Hexachlorobutadiene	225	5.586	5.586	0.000	90	222862	1000.0	942.2	
46 4-Chloro-3-methylphenol	107	5.976	5.976	0.000	85	283084	1000.0	1068.1	
47 2-Methylnaphthalene	142	6.046	6.046	0.000	82	857364	1000.0	1009.8	
48 1-Methylnaphthalene	142	6.126	6.126	0.000	90	815589	1000.0	1011.4	
49 Hexachlorocyclopentadiene	237	6.174	6.174	0.000	91	215547	1000.0	898.4	
50 1,2,4,5-Tetrachlorobenzene	216	6.185	6.185	0.000	93	359799	1000.0	1006.3	
52 2,4,6-Trichlorophenol	196	6.297	6.297	0.000	85	235049	1000.0	1074.1	
53 2,4,5-Trichlorophenol	196	6.345	6.345	0.000	92	249288	1000.0	1000.1	
54 1,1'-Biphenyl	154	6.430	6.430	0.000	94	1030416	1000.0	1044.4	
55 2-Chloronaphthalene	162	6.441	6.441	0.000	97	770413	1000.0	994.3	
56 2-Nitroaniline	138	6.548	6.548	0.000	90	254308	1000.0	1159.0	
57 Dimethyl phthalate	163	6.697	6.697	0.000	98	901919	1000.0	1128.6	
58 1,3-Dinitrobenzene	168	6.724	6.724	0.000	77	133247	1000.0	1105.8	
59 2,6-Dinitrotoluene	165	6.746	6.746	0.000	64	213915	1000.0	1076.6	
60 Acenaphthylene	152	6.778	6.778	0.000	92	1239330	1000.0	1084.6	
61 3-Nitroaniline	138	6.890	6.890	0.000	83	183986	1000.0	964.1	
62 Acenaphthene	153	6.922	6.922	0.000	90	828171	1000.0	1040.6	
63 2,4-Dinitrophenol	184	6.970	6.970	0.000	87	188728	2000.0	1880.3	a
66 Dibenzofuran	168	7.066	7.066	0.000	87	1098224	1000.0	1085.4	
65 2,4-Dinitrotoluene	165	7.071	7.071	0.000	82	273202	1000.0	1068.8	
64 4-Nitrophenol	109	7.093	7.093	0.000	4	196320	2000.0	2260.8	a
51 2,3,5,6-Tetrachlorophenol	232	7.146	7.146	0.000	81	182984	1000.0	1050.4	
67 2,3,4,6-Tetrachlorophenol	232	7.184	7.184	0.000	69	202526	1000.0	994.2	
68 Diethyl phthalate	149	7.274	7.274	0.000	98	992270	1000.0	1125.6	
69 Fluorene	166	7.344	7.344	0.000	82	909006	1000.0	1128.9	
70 4-Chlorophenyl phenyl ether	204	7.355	7.355	0.000	91	399823	1000.0	1078.8	
71 4-Nitroaniline	138	7.392	7.392	0.000	87	158743	1000.0	883.5	
72 4,6-Dinitro-2-methylphenol	198	7.403	7.403	0.000	89	248274	2000.0	1978.0	
73 N-Nitrosodiphenylamine	169	7.456	7.456	0.000	61	645585	1000.0	1156.6	
74 Azobenzene	77	7.483	7.483	0.000	93	601984	1000.0	1037.9	
75 4-Bromophenyl phenyl ether	248	7.755	7.755	0.000	54	231391	1000.0	995.6	
76 Hexachlorobenzene	284	7.787	7.787	0.000	83	281076	1000.0	1034.4	
77 Atrazine	200	7.905	7.905	0.000	91	239430	1000.0	1049.4	
78 Pentachlorophenol	266	7.969	7.969	0.000	87	277212	2000.0	1870.8	
79 n-Octadecane	57	8.049	8.049	0.000	89	307382	1000.0	924.3	
80 Phenanthrene	178	8.129	8.129	0.000	96	1216706	1000.0	1030.8	
81 Anthracene	178	8.172	8.172	0.000	96	1245364	1000.0	1016.7	
83 Carbazole	167	8.321	8.321	0.000	82	1067660	1000.0	1139.5	M
84 Di-n-butyl phthalate	149	8.615	8.615	0.000	99	1548794	1000.0	1043.8	
85 Fluoranthene	202	9.101	9.101	0.000	96	1295953	1000.0	1031.9	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.240	9.240	0.000	97	474946	2000.0	1619.1	
89 Pyrene	202	9.288	9.288	0.000	98	1288852	1000.0	997.1	
94 Butyl benzyl phthalate	149	9.844	9.844	0.000	92	707348	1000.0	1038.9	
97 Benzo[a]anthracene	228	10.298	10.298	0.000	99	1121495	1000.0	948.8	
96 3,3'-Dichlorobenzidine	252	10.298	10.298	0.000	62	816739	2000.0	2142.2	
99 Chrysene	228	10.330	10.330	0.000	93	1129055	1000.0	903.9	
98 Bis(2-ethylhexyl) phthalate	149	10.362	10.362	0.000	76	1014506	1000.0	1155.0	
100 Di-n-octyl phthalate	149	11.019	11.019	0.000	97	1629379	1000.0	1215.7	M
101 Benzo[b]fluoranthene	252	11.393	11.393	0.000	94	1175106	1000.0	1048.0	
102 Benzofluoranthene	252	11.425	11.425	0.000	1	2384087	2000.0	1916.5	a
103 Benzo[k]fluoranthene	252	11.425	11.425	0.000	93	1258264	1000.0	925.9	
104 Benzo[a]pyrene	252	11.767	11.767	0.000	74	1046006	1000.0	1014.2	
105 Indeno[1,2,3-cd]pyrene	276	13.129	13.129	0.000	98	1036403	1000.0	1009.0	
106 Dibenz(a,h)anthracene	278	13.167	13.167	0.000	1	1118695	1000.0	1011.4	
107 Benzo[g,h,i]perylene	276	13.461	13.461	0.000	94	1166725	1000.0	909.3	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 18-Mar-2022 20:14:36 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A04.D

Injection Date: 18-Mar-2022 10:27:30 Instrument ID: TAC051

Lims ID: ccvis

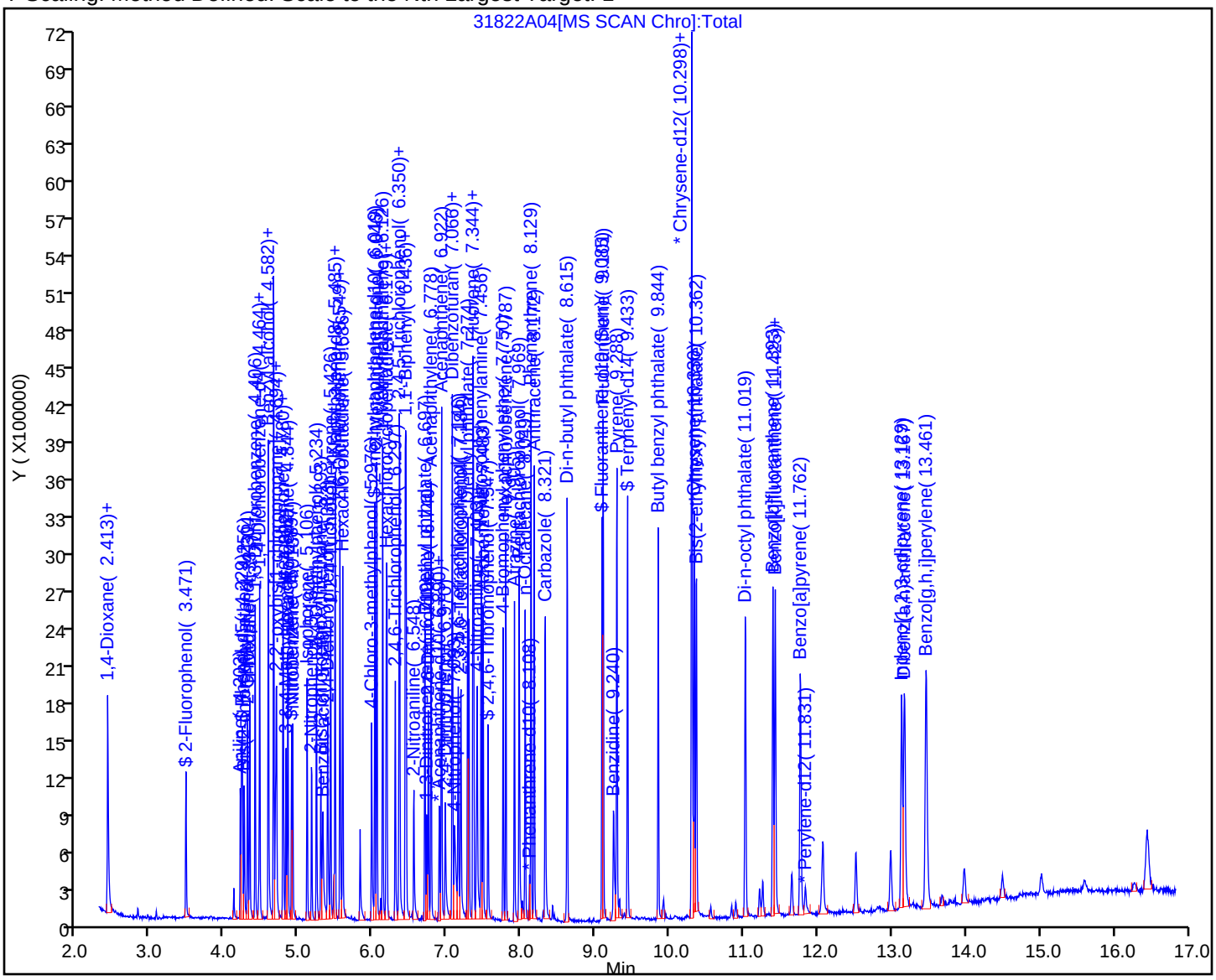
Client ID:

Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

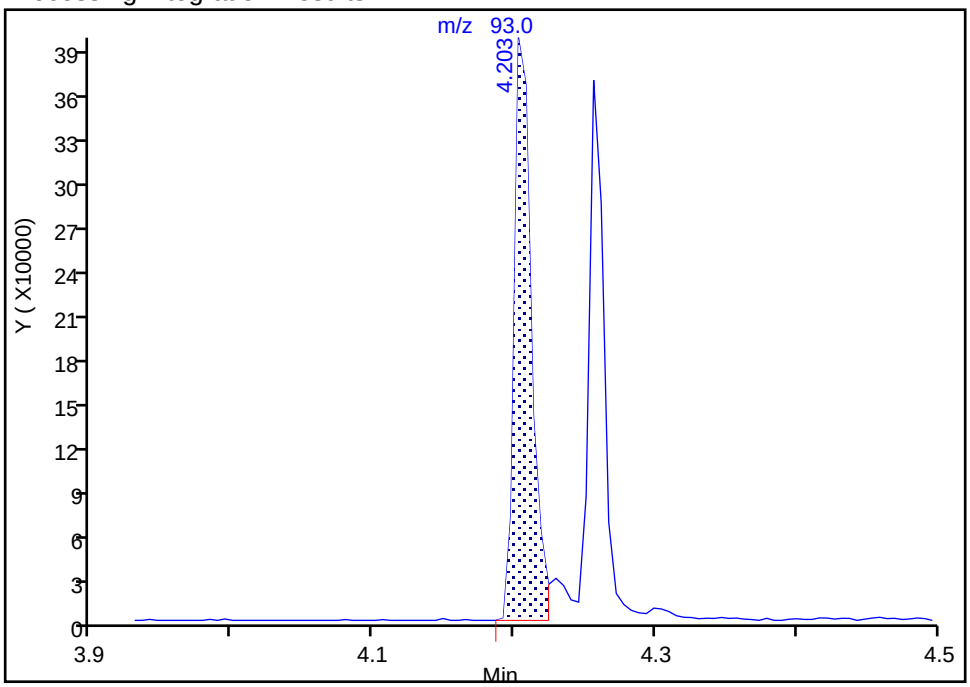
Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A04.D
Injection Date: 18-Mar-2022 10:27:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

18 Aniline, CAS: 62-53-3

Signal: 1

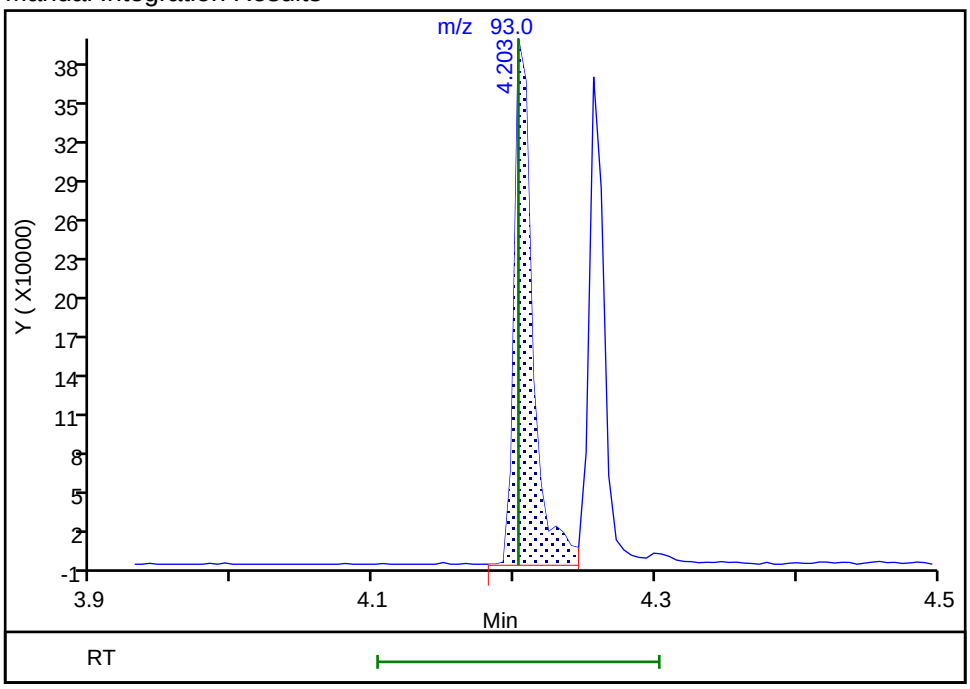
Processing Integration Results

RT: 4.20
Area: 335600
Amount: 758.6240
Amount Units: ug/L



Manual Integration Results

RT: 4.20
Area: 363631
Amount: 821.5036
Amount Units: ug/L



Reviewer: limmere, 18-Mar-2022 11:47:06
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

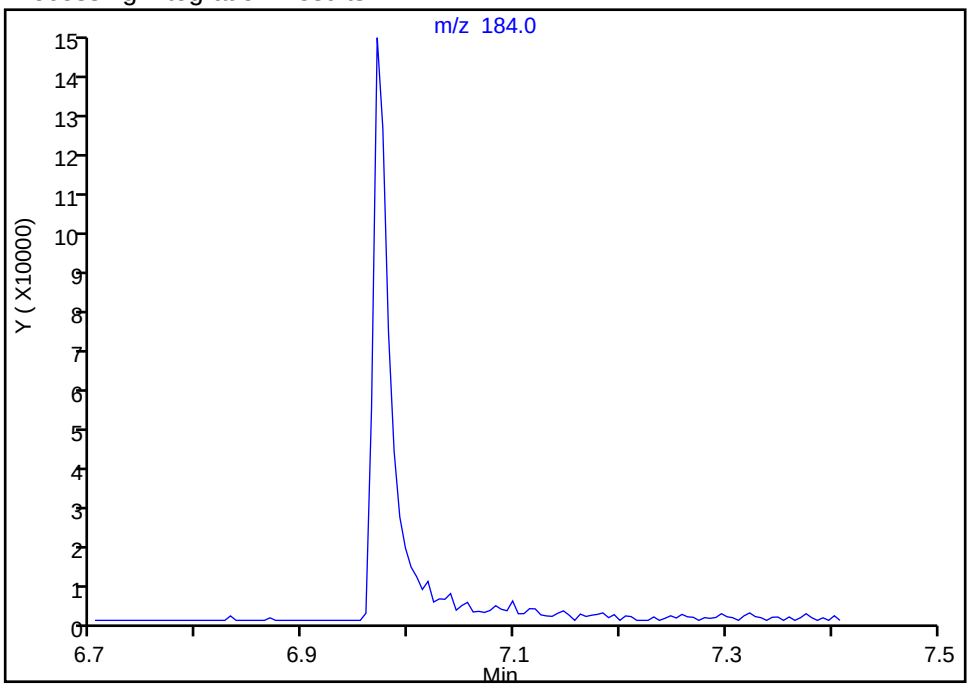
Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A04.D
Injection Date: 18-Mar-2022 10:27:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

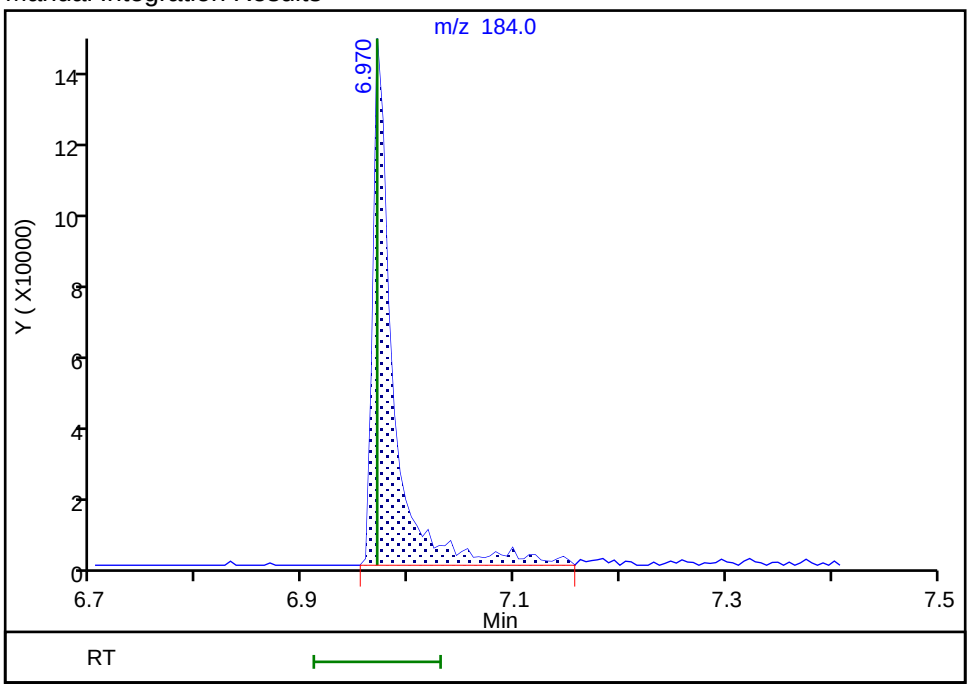
Not Detected
Expected RT: 6.97

Processing Integration Results



Manual Integration Results

RT: 6.97
Area: 188728
Amount: 1880.3212
Amount Units: ug/L



Reviewer: limmere, 18-Mar-2022 11:47:34
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

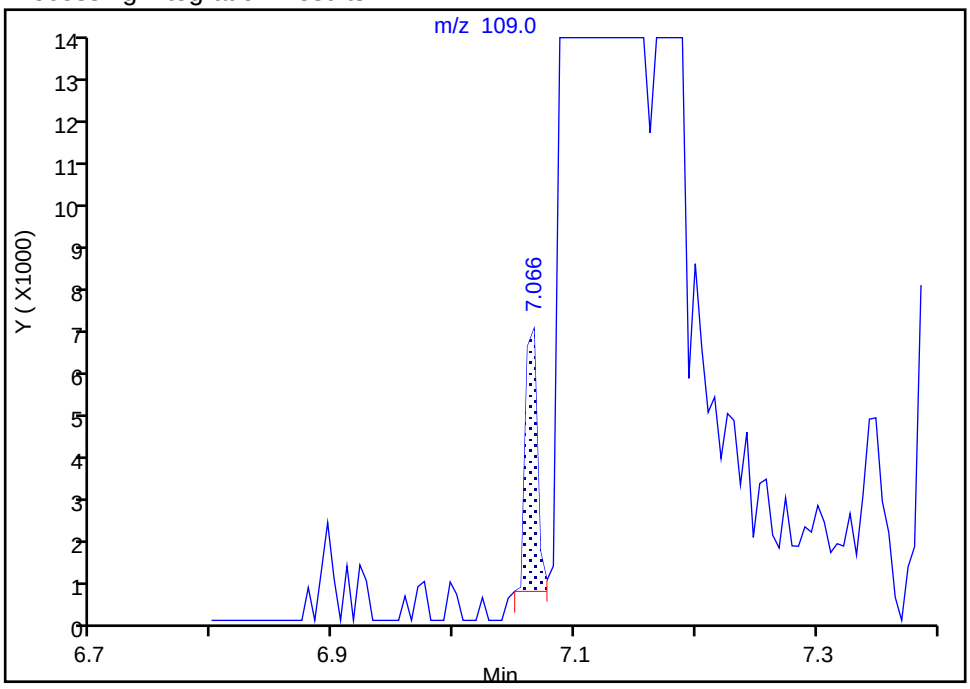
Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A04.D
Injection Date: 18-Mar-2022 10:27:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

64 4-Nitrophenol, CAS: 100-02-7

Signal: 1

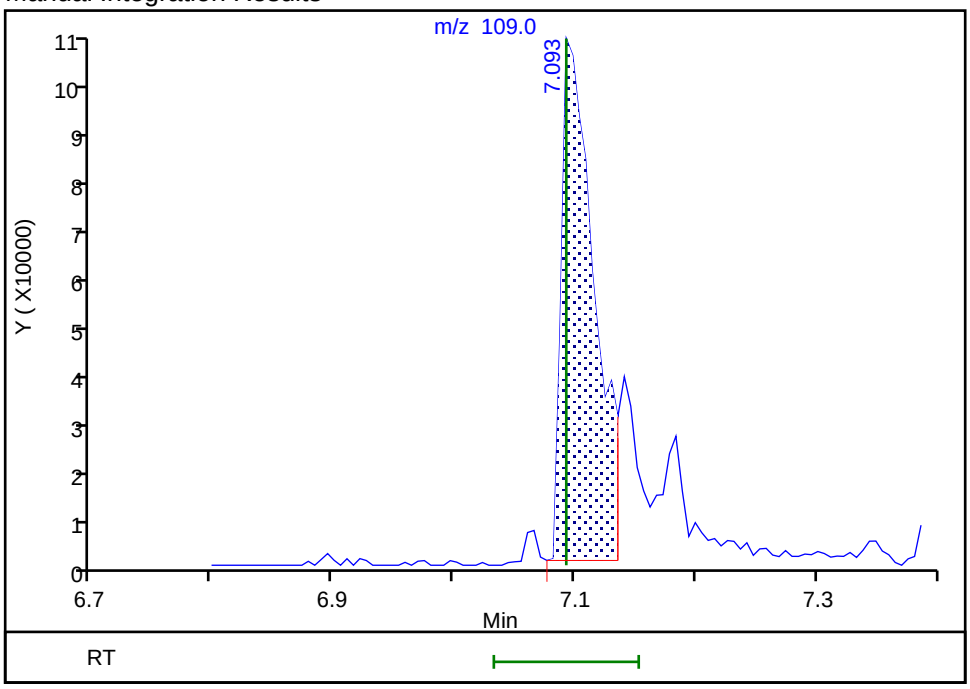
Processing Integration Results

RT: 7.07
Area: 4254
Amount: 817.1671
Amount Units: ug/L



Manual Integration Results

RT: 7.09
Area: 196320
Amount: 2260.7792
Amount Units: ug/L



Reviewer: limmere, 18-Mar-2022 11:47:45
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

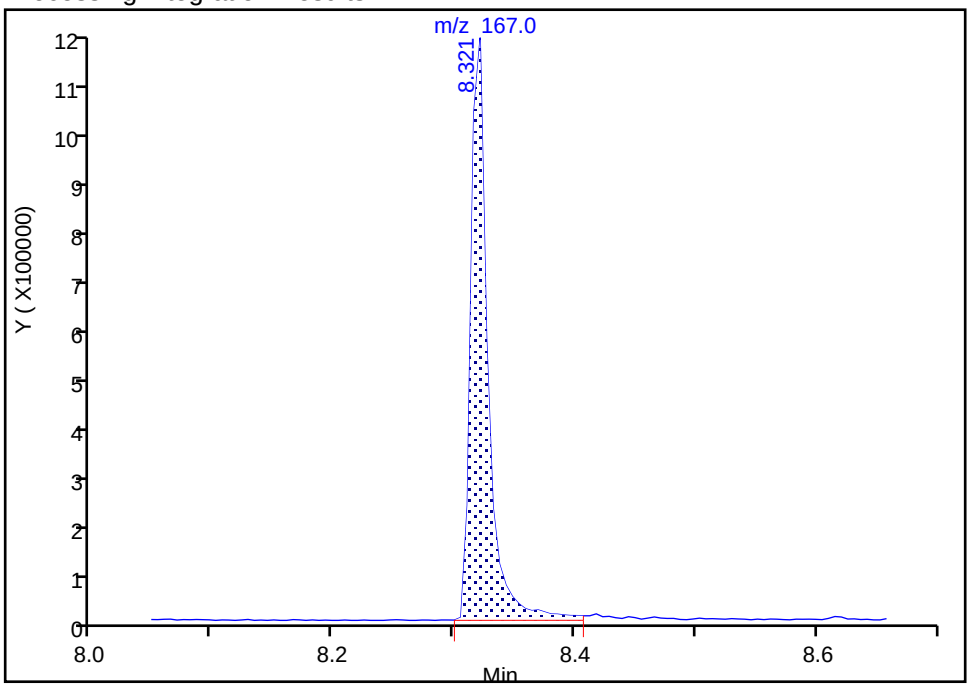
Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A04.D
Injection Date: 18-Mar-2022 10:27:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

83 Carbazole, CAS: 86-74-8

Signal: 1

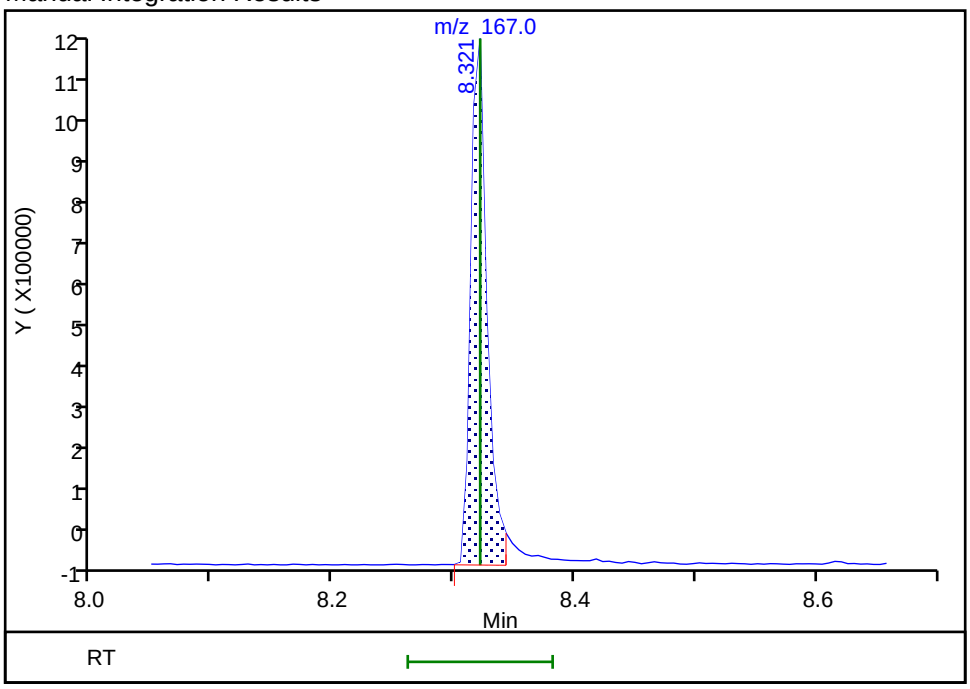
Processing Integration Results

RT: 8.32
Area: 1136746
Amount: 1215.3961
Amount Units: ug/L



Manual Integration Results

RT: 8.32
Area: 1067660
Amount: 1139.5149
Amount Units: ug/L



Reviewer: limmere, 18-Mar-2022 11:48:06
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

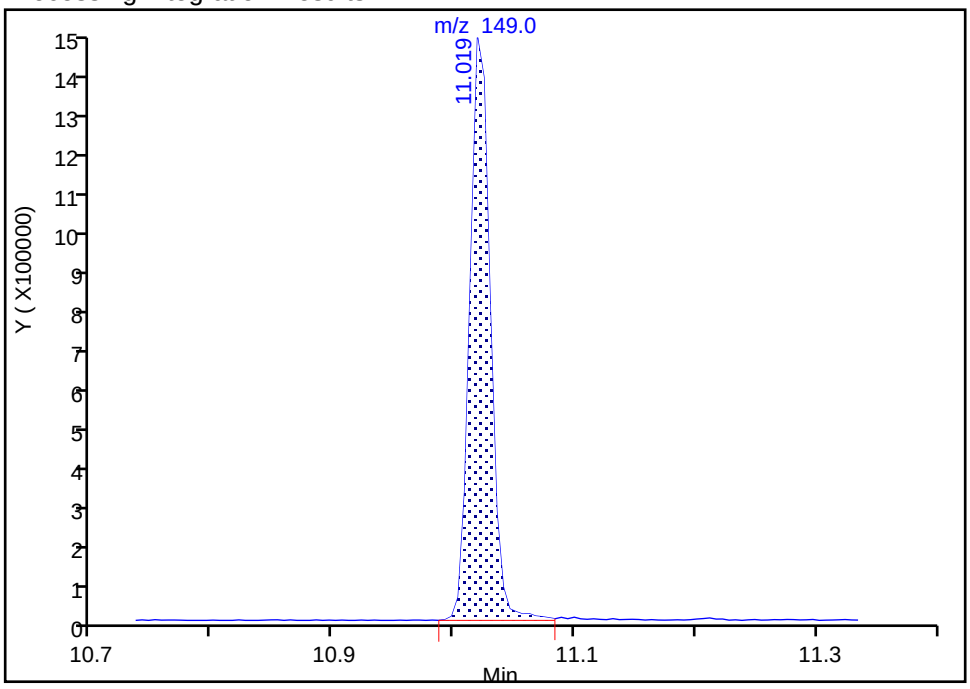
Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A04.D
Injection Date: 18-Mar-2022 10:27:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

100 Di-n-octyl phthalate, CAS: 117-84-0

Signal: 1

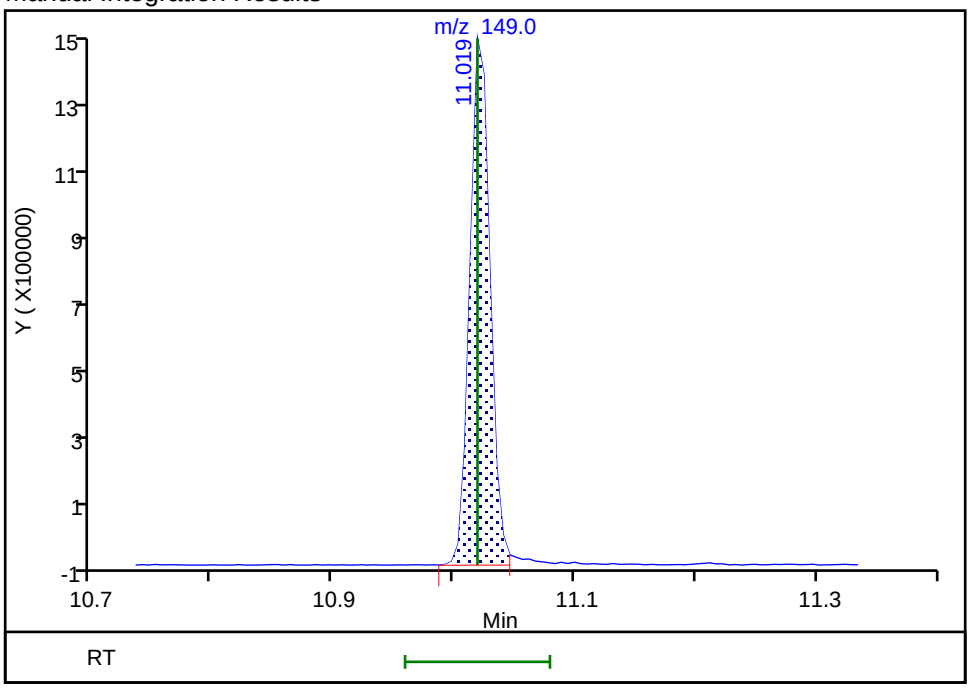
Processing Integration Results

RT: 11.02
Area: 1654040
Amount: 1234.1116
Amount Units: ug/L



Manual Integration Results

RT: 11.02
Area: 1629379
Amount: 1215.7115
Amount Units: ug/L



Reviewer: limmere, 18-Mar-2022 11:48:45
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

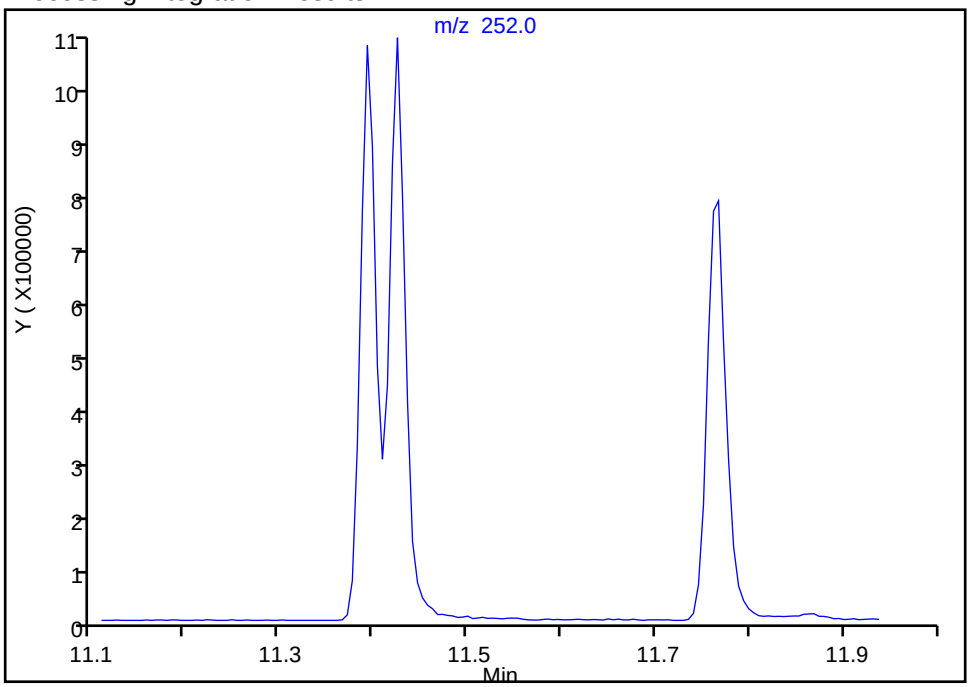
Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A04.D
Injection Date: 18-Mar-2022 10:27:30 Instrument ID: TAC051
Lims ID: ccvis
Client ID:
Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

102 Benzofluoranthene, CAS: 56832-73-6

Signal: 1

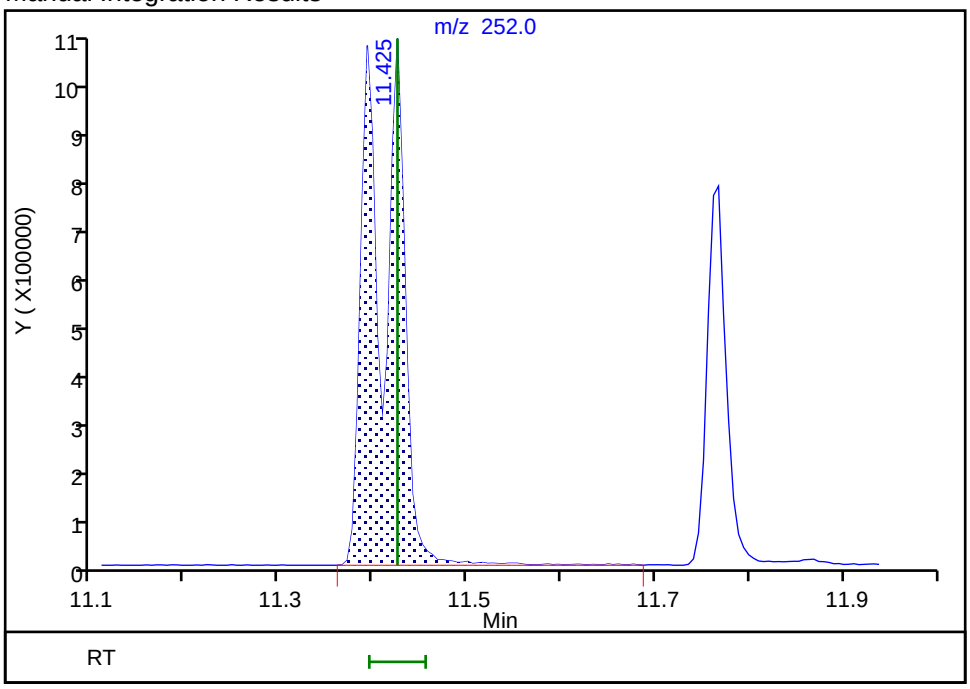
Not Detected
Expected RT: 11.43

Processing Integration Results



Manual Integration Results

RT: 11.43
Area: 2384087
Amount: 1916.4972
Amount Units: ug/L



Reviewer: limmere, 18-Mar-2022 11:48:50
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVC 580-384307/22 | Calibration Date: 03/18/2022 18:00

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 31822A23.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
N-Nitrosodimethylamine	Lin1		0.3860	0.0100	939	1000	-6.1	50.0
Pyridine	Lin2		0.6891	0.0100	1900	2000	-5.1	50.0
Aniline	Lin1		1.029	0.0100	821	1000	-17.9	50.0
Phenol	Ave	1.004	0.9807	0.8000	976	1000	-2.4	50.0
Bis(2-chloroethyl)ether	Ave	0.8637	0.8302	0.7000	961	1000	-3.9	50.0
2-Chlorophenol	Ave	1.210	1.284	0.8000	1060	1000	6.1	50.0
n-Decane	Ave	0.7898	0.7127		902	1000	-9.8	50.0
1,3-Dichlorobenzene	Ave	1.441	1.502	0.0100	1040	1000	4.2	50.0
1,4-Dichlorobenzene	Ave	1.565	1.543	0.0100	986	1000	-1.4	50.0
1,2-Dichlorobenzene	Ave	1.465	1.473	0.0100	1000	1000	0.5	50.0
Benzyl alcohol	Lin2		0.5435	0.0100	888	1000	-11.2	50.0
bis (2-chloroisopropyl) ether	Ave	0.9704	0.8797	0.0100	907	1000	-9.3	50.0
o-Cresol	Ave	0.8394	0.8817	0.7000	1050	1000	5.0	50.0
Acetophenone	Ave	1.266	1.311	0.0100	1040	1000	3.5	50.0
N-Nitrosodi-n-propylamine	Ave	0.4984	0.5030	0.5000	1010	1000	0.9	50.0
m+p-Cresol	Lin2		0.8885	0.6000	1020	1000	1.6	50.0
Hexachloroethane	Ave	0.5675	0.5689	0.3000	1000	1000	0.3	50.0
Nitrobenzene	Lin2		0.8063	0.2000	951	1000	-4.9	50.0
Isophorone	Ave	1.472	1.436	0.4000	976	1000	-2.4	50.0
2-Nitrophenol	Lin2		0.1683	0.1000	977	1000	-2.3	50.0
2,4-Dimethylphenol	Lin1		1.007	0.2000	1010	1000	1.1	50.0
Bis(2-chloroethoxy)methane	Ave	0.9233	0.9214	0.3000	998	1000	-0.2	50.0
Benzoic acid	Lin1		0.1514	0.0100	1690	2000	-15.5	50.0
2,4-Dichlorophenol	Lin1		0.2527	0.2000	955	1000	-4.5	50.0
1,2,4-Trichlorobenzene	Ave	0.3058	0.2764	0.0100	904	1000	-9.6	50.0
Naphthalene	Qua2		0.9508	0.7000	956	1000	-4.4	50.0
2,6-Dichlorophenol	Qua1		0.4890	0.0100	942	1000	-5.8	50.0
4-Chloroaniline	Lin1		0.2493	0.0100	720	1000	-28.0	50.0
Hexachlorobutadiene	Ave	0.1815	0.1633	0.0100	899	1000	-10.1	50.0
4-Chloro-3-methylphenol	Lin2		0.3804	0.2000	979	1000	-2.1	50.0
2-Methylnaphthalene	Ave	0.6515	0.6631	0.4000	1020	1000	1.8	50.0
1-Methylnaphthalene	Ave	0.6188	0.6205	0.0100	1000	1000	0.3	50.0
Hexachlorocyclopentadiene	Ave	0.3528	0.2648	0.0500	751	1000	-24.9	50.0
1,2,4,5-Tetrachlorobenzene	Qua		0.4857		922	1000	-7.8	50.0
2,4,6-Trichlorophenol	Lin2		0.3009	0.2000	939	1000	-6.1	50.0
2,4,5-Trichlorophenol	Lin1		0.3100	0.2000	853	1000	-14.7	50.0
1,1'-Biphenyl	Ave	1.451	1.403	0.0100	967	1000	-3.3	50.0
2-Chloronaphthalene	Ave	1.139	1.064	0.8000	934	1000	-6.6	50.0
2-Nitroaniline	Qua2		0.3198	0.0100	1000	1000	0.3	50.0
Dimethyl phthalate	Lin1		1.274	0.0100	1080	1000	8.4	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVC 580-384307/22 | Calibration Date: 03/18/2022 18:00

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 31822A23.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
2,6-Dinitrotoluene	Lin1		0.3050	0.2000	1040	1000	4.5	50.0
Acenaphthylene	Qua2		1.621	0.9000	962	1000	-3.8	50.0
3-Nitroaniline	Lin2		0.2311	0.0100	834	1000	-16.6	50.0
Acenaphthene	Ave	1.170	1.137	0.9000	972	1000	-2.8	50.0
2,4-Dinitrophenol	Lin1		0.0550	0.0100	1000	2000	-49.8	50.0
Dibenzofuran	Ave	1.488	1.506	0.8000	1010	1000	1.3	50.0
2,4-Dinitrotoluene	Lin2		0.3805	0.2000	1020	1000	1.5	50.0
4-Nitrophenol	Lin1		0.1344	0.0100	2160	2000	7.9	50.0
2,3,5,6-Tetrachlorophenol	Lin2		0.2499	0.0100	978	1000	-2.2	50.0
2,3,4,6-Tetrachlorophenol	Lin2		0.2794	0.0100	934	1000	-6.6	50.0
Diethyl phthalate	Ave	1.296	1.394	0.0100	1080	1000	7.5	50.0
Fluorene	Ave	1.184	1.269	0.9000	1070	1000	7.2	50.0
4-Chlorophenyl phenyl ether	Ave	0.5450	0.5395	0.4000	990	1000	-1.0	50.0
4-Nitroaniline	Lin1		0.2302	0.0100	872	1000	-12.8	50.0
4,6-Dinitro-2-methylphenol	Lin1		0.0543	0.0100	1010	2000	-49.6	50.0
N-Nitrosodiphenylamine	Ave	0.5309	0.5601	0.0100	1060	1000	5.5	50.0
Azobenzene	Lin2		0.5250		952	1000	-4.8	50.0
4-Bromophenyl phenyl ether	Qua2		0.2089	0.1000	945	1000	-5.5	50.0
Hexachlorobenzene	Ave	0.2584	0.2482	0.1000	960	1000	-4.0	50.0
Atrazine	Lin2		0.3541	0.0100	1060	1000	5.5	50.0
Pentachlorophenol	Lin2		0.1236	0.0500	1760	2000	-11.8	50.0
n-Octadecane	Qua1		0.2578		814	1000	-18.6	50.0
Phenanthrene	Qua2		1.046	0.7000	928	1000	-7.2	50.0
Anthracene	Qua1		1.067	0.7000	913	1000	-8.7	50.0
Carbazole	Qua1		0.9860	0.0100	1110	1000	10.6	50.0
Di-n-butyl phthalate	Qua1		1.377	0.0100	972	1000	-2.8	50.0
Fluoranthene	Qua1		1.101	0.6000	917	1000	-8.3	50.0
Benzidine	Lin1		0.2102	0.0100	1510	2000	-24.3	50.0
Pyrene	Qua1		1.139	0.6000	924	1000	-7.6	50.0
Butyl benzyl phthalate	Qua1		0.7222	0.0100	1000	1000	0.1	50.0
3,3'-Dichlorobenzidine	Qua1		0.4371	0.0100	2160	2000	8.2	50.0
Benzo[a]anthracene	Qua1		1.162	0.8000	928	1000	-7.2	50.0
Chrysene	Qua2		1.204	0.7000	910	1000	-9.0	50.0
Bis(2-ethylhexyl) phthalate	Qua2		1.022	0.0100	1100	1000	9.9	50.0
Di-n-octyl phthalate	Ave	1.324	1.648	0.0100	1240	1000	24.5	50.0
Benzo[b]fluoranthene	Lin2		1.183	0.7000	1070	1000	6.8	50.0
Benzo[k]fluoranthene	Ave	1.342	1.302	0.7000	970	1000	-3.0	50.0
Benzo[a]pyrene	Lin2		1.036	0.7000	1020	1000	1.7	50.0
Indeno[1,2,3-cd]pyrene	Lin1		0.9467	0.5000	934	1000	-6.6	50.0
Dibenz(a,h)anthracene	Lin2		1.030	0.4000	944	1000	-5.6	50.0
Benzo[g,h,i]perylene	Qua1		1.015	0.5000	800	1000	-20.0	50.0

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVC 580-384307/22 | Calibration Date: 03/18/2022 18:00

Instrument ID: TAC051 | Calib Start Date: 01/24/2022 17:04

GC Column: ZB-SV ID: 0.25(mm) | Calib End Date: 01/24/2022 20:31

Lab File ID: 31822A23.D | Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Benzofluoranthene	Ave	1.229			90.0	2000		
2-Fluorophenol (Surr)	Lin2		0.9049		975	1000	-2.5	50.0
Phenol-d5 (Surr)	Lin1		1.007		978	1000	-2.2	50.0
Nitrobenzene-d5 (Surr)	Ave	0.2380	0.2228		936	1000	-6.4	50.0
2-Fluorobiphenyl	Ave	1.330	1.285		967	1000	-3.3	50.0
2,4,6-Tribromophenol (Surr)	Lin1		0.1333	0.0100	985	1000	-1.5	50.0
Terphenyl-d14	Ave	0.7490	0.7512		1000	1000	0.3	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A23.D
Lims ID: ccvc
Client ID:
Sample Type: CCVC
Inject. Date: 18-Mar-2022 18:00:30 ALS Bottle#: 3 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVC
Operator ID: TL Instrument ID: TAC051
Sublist: chrom-8270 TAC051*sub34

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:16:13 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:16:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.452	4.454	-0.002	84	35576	100.0	100.0	
* 2 Naphthalene-d8	136	5.467	5.469	-0.002	96	138343	100.0	100.0	
* 3 Acenaphthene-d10	164	6.893	6.895	-0.002	92	75151	100.0	100.0	
* 4 Phenanthrene-d10	188	8.111	8.108	0.003	95	118974	100.0	100.0	
* 5 Chrysene-d12	240	10.307	10.309	-0.002	64	101957	100.0	100.0	
* 6 Perylene-d12	264	11.829	11.831	-0.002	93	105919	100.0	100.0	
$ 7 2-Fluorophenol	112	3.474	3.471	0.003	85	321943	1000.0	974.7	
$ 8 Phenol-d5	99	4.222	4.224	-0.002	98	358350	1000.0	977.7	
$ 9 Nitrobenzene-d5	82	4.895	4.897	-0.002	87	308184	1000.0	935.9	
$ 10 2-methylnaphthalene-d10	152	6.022	6.019	0.003	0	787550	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.354	6.356	-0.002	99	966028	1000.0	966.7	
$ 12 2,4,6-Tribromophenol	330	7.550	7.547	0.003	83	158536	1000.0	985.3	
$ 13 Fluoranthene-d10 (Surr)	212	9.089	9.085	0.004	0	1174169	NC	NC	
$ 14 Terphenyl-d14	244	9.431	9.433	-0.002	99	893706	1000.0	1003.0	
15 1,4-Dioxane	88	2.379	2.328	0.051	1	990	NC	NC	
16 N-Nitrosodimethylamine	74	2.411	2.408	0.003	75	137318	1000.0	939.3	
17 Pyridine	79	2.416	2.413	0.003	89	490323	2000.0	1898.2	
18 Aniline	93	4.206	4.203	0.003	98	366086	1000.0	821.2	
19 Phenol	94	4.233	4.229	0.004	90	348894	1000.0	976.4	
20 Bis(2-chloroethyl)ether	93	4.259	4.256	0.003	89	295347	1000.0	961.2	
21 2-Chlorophenol	128	4.302	4.304	-0.002	90	456707	1000.0	1060.5	
22 n-Decane	57	4.334	4.331	0.003	85	253540	1000.0	902.3	
23 1,3-Dichlorobenzene	146	4.404	4.406	-0.002	97	534189	1000.0	1041.7	
25 1,4-Dichlorobenzene	146	4.468	4.464	0.004	98	549114	1000.0	986.4	
27 1,2-Dichlorobenzene	146	4.585	4.582	0.003	96	523889	1000.0	1005.0	
26 Benzyl alcohol	79	4.585	4.582	0.003	49	193358	1000.0	887.5	
29 2,2'-oxybis[1-chloropropane]	45	4.681	4.683	-0.002	72	312949	1000.0	906.5	
28 2-Methylphenol	108	4.692	4.694	-0.002	92	313666	1000.0	1050.4	
30 Acetophenone	105	4.778	4.780	-0.002	92	466428	1000.0	1035.4	
31 N-Nitrosodi-n-propylamine	70	4.783	4.785	-0.002	85	178963	1000.0	1009.4	
32 3 & 4 Methylphenol	108	4.820	4.822	-0.002	95	316089	1000.0	1015.7	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
33 Hexachloroethane	117	4.847	4.844	0.003	91	202403	1000.0	1002.6	
34 Nitrobenzene	77	4.911	4.913	-0.002	82	286861	1000.0	951.0	
35 Isophorone	82	5.104	5.106	-0.002	95	510840	1000.0	975.7	
36 2-Nitrophenol	139	5.168	5.170	-0.002	86	232806	1000.0	977.1	
37 2,4-Dimethylphenol	107	5.232	5.234	-0.002	91	358210	1000.0	1011.4	
38 Bis(2-chloroethoxy)methane	93	5.290	5.293	-0.002	95	327814	1000.0	998.0	
39 Benzoic acid	105	5.317	5.319	-0.002	81	419020	2000.0	1690.9	
40 2,4-Dichlorophenol	162	5.381	5.383	-0.002	87	349571	1000.0	955.1	
41 1,2,4-Trichlorobenzene	180	5.424	5.426	-0.002	94	382385	1000.0	903.9	
42 Naphthalene	128	5.483	5.485	-0.002	96	1315401	1000.0	955.6	
44 2,6-Dichlorophenol	162	5.547	5.549	-0.002	96	367505	1000.0	942.2	
43 4-Chloroaniline	127	5.547	5.549	-0.002	75	344945	1000.0	719.9	
45 Hexachlorobutadiene	225	5.584	5.586	-0.002	92	225854	1000.0	899.5	
46 4-Chloro-3-methylphenol	107	5.974	5.976	-0.002	89	285854	1000.0	979.2	
47 2-Methylnaphthalene	142	6.049	6.046	0.003	81	917300	1000.0	1017.8	
48 1-Methylnaphthalene	142	6.124	6.126	-0.002	91	858477	1000.0	1002.9	
49 Hexachlorocyclopentadiene	237	6.172	6.174	-0.002	84	199026	1000.0	750.6	
50 1,2,4,5-Tetrachlorobenzene	216	6.183	6.185	-0.002	94	365023	1000.0	922.4	
52 2,4,6-Trichlorophenol	196	6.295	6.297	-0.002	88	226110	1000.0	939.0	
53 2,4,5-Trichlorophenol	196	6.343	6.345	-0.002	91	232968	1000.0	852.6	
54 1,1'-Biphenyl	154	6.428	6.430	-0.002	94	1054549	1000.0	967.3	
55 2-Chloronaphthalene	162	6.444	6.441	0.003	95	799579	1000.0	933.8	
56 2-Nitroaniline	138	6.546	6.548	-0.002	89	240357	1000.0	1002.6	
57 Dimethyl phthalate	163	6.695	6.697	-0.002	98	957435	1000.0	1084.0	
58 1,3-Dinitrobenzene	168	6.722	6.724	-0.002	77	141747	1000.0	1069.3	
59 2,6-Dinitrotoluene	165	6.744	6.746	-0.002	66	229183	1000.0	1044.8	
60 Acenaphthylene	152	6.776	6.778	-0.002	95	1217980	1000.0	961.8	
61 3-Nitroaniline	138	6.888	6.890	-0.002	87	173640	1000.0	834.1	
62 Acenaphthene	153	6.920	6.922	-0.002	91	854536	1000.0	971.7	
63 2,4-Dinitrophenol	184	6.973	6.973	0.003	86	82612	2000.0	1003.1	a
66 Dibenzofuran	168	7.064	7.066	-0.002	88	1132105	1000.0	1012.5	
65 2,4-Dinitrotoluene	165	7.069	7.071	-0.002	75	285919	1000.0	1015.4	
64 4-Nitrophenol	109	7.091	7.093	-0.002	10	201965	2000.0	2158.9	
51 2,3,5,6-Tetrachlorophenol	232	7.144	7.146	-0.002	78	187791	1000.0	978.5	
67 2,3,4,6-Tetrachlorophenol	232	7.182	7.184	-0.002	68	209973	1000.0	934.3	
68 Diethyl phthalate	149	7.272	7.274	-0.002	97	1047404	1000.0	1075.2	
69 Fluorene	166	7.342	7.344	-0.002	82	953631	1000.0	1071.7	
70 4-Chlorophenyl phenyl ether	204	7.353	7.355	-0.002	92	405427	1000.0	989.9	
71 4-Nitroaniline	138	7.390	7.392	-0.002	90	172974	1000.0	872.0	
72 4,6-Dinitro-2-methylphenol	198	7.401	7.403	-0.002	83	129200	2000.0	1008.0	
73 N-Nitrosodiphenylamine	169	7.454	7.456	-0.002	62	666414	1000.0	1055.1	
74 Azobenzene	77	7.481	7.483	-0.002	91	624650	1000.0	952.1	
75 4-Bromophenyl phenyl ether	248	7.753	7.755	-0.002	56	248508	1000.0	944.9	
76 Hexachlorobenzene	284	7.791	7.787	0.004	87	295247	1000.0	960.2	
77 Atrazine	200	7.903	7.905	-0.002	91	266140	1000.0	1055.5	
78 Pentachlorophenol	266	7.967	7.969	-0.002	86	294087	2000.0	1763.0	
79 n-Octadecane	57	8.047	8.049	-0.002	89	306744	1000.0	814.2	
80 Phenanthrene	178	8.127	8.129	-0.002	97	1244423	1000.0	928.4	
81 Anthracene	178	8.170	8.172	-0.002	96	1268884	1000.0	912.5	
83 Carbazole	167	8.319	8.321	-0.002	82	1173061	1000.0	1105.6	
84 Di-n-butyl phthalate	149	8.613	8.615	-0.002	99	1638064	1000.0	972.5	
85 Fluoranthene	202	9.105	9.101	0.004	96	1309632	1000.0	917.4	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
88 Benzidine	184	9.238	9.240	-0.002	98	500282	2000.0	1513.2	
89 Pyrene	202	9.286	9.288	-0.002	98	1355498	1000.0	924.0	
94 Butyl benzyl phthalate	149	9.842	9.844	-0.002	92	736312	1000.0	1001.2	
96 3,3'-Dichlorobenzidine	252	10.296	10.298	-0.002	65	891237	2000.0	2164.8	
97 Benzo[a]anthracene	228	10.296	10.298	-0.002	98	1184534	1000.0	927.7	
99 Chrysene	228	10.333	10.330	0.003	91	1227413	1000.0	910.3	
98 Bis(2-ethylhexyl) phthalate	149	10.355	10.362	-0.007	76	1041840	1000.0	1099.5	
100 Di-n-octyl phthalate	149	11.017	11.019	-0.002	97	1745835	1000.0	1244.9	
101 Benzo[b]fluoranthene	252	11.391	11.393	-0.002	96	1252939	1000.0	1067.9	
103 Benzo[k]fluoranthene	252	11.423	11.425	-0.002	97	1378705	1000.0	969.6	
104 Benzo[a]pyrene	252	11.765	11.767	-0.002	76	1096973	1000.0	1016.5	
105 Indeno[1,2,3-cd]pyrene	276	13.133	13.129	0.004	97	1002751	1000.0	933.8	
106 Dibenz(a,h)anthracene	278	13.165	13.167	-0.002	74	1091208	1000.0	943.8	
107 Benzo[g,h,i]perylene	276	13.459	13.461	-0.002	93	1075498	1000.0	799.7	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 18-Mar-2022 20:16:14 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A23.D

Injection Date: 18-Mar-2022 18:00:30 Instrument ID: TAC051

Lims ID: ccvc

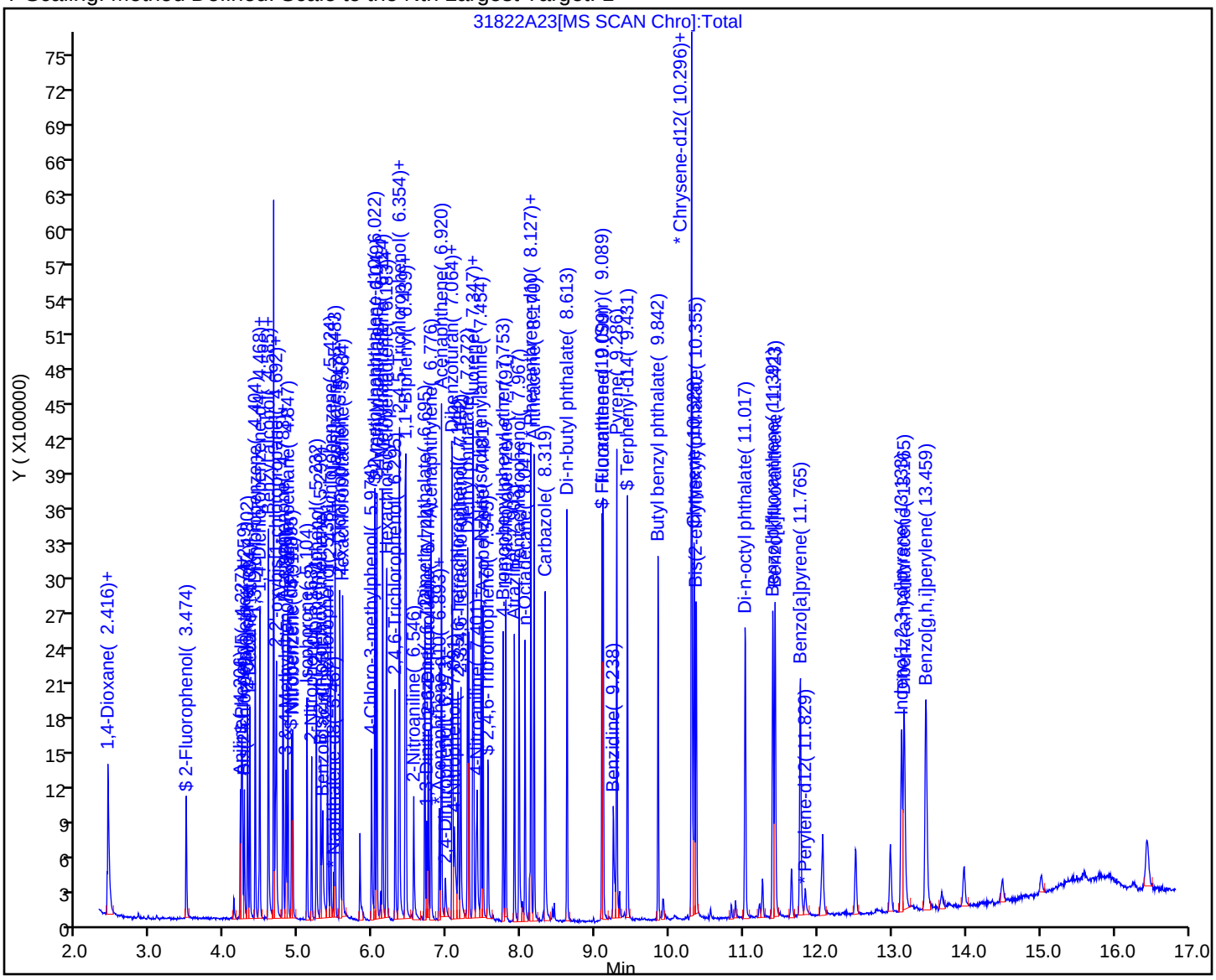
Client ID:

Operator ID: TL ALS Bottle#: 3 Worklist Smp#: 22

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

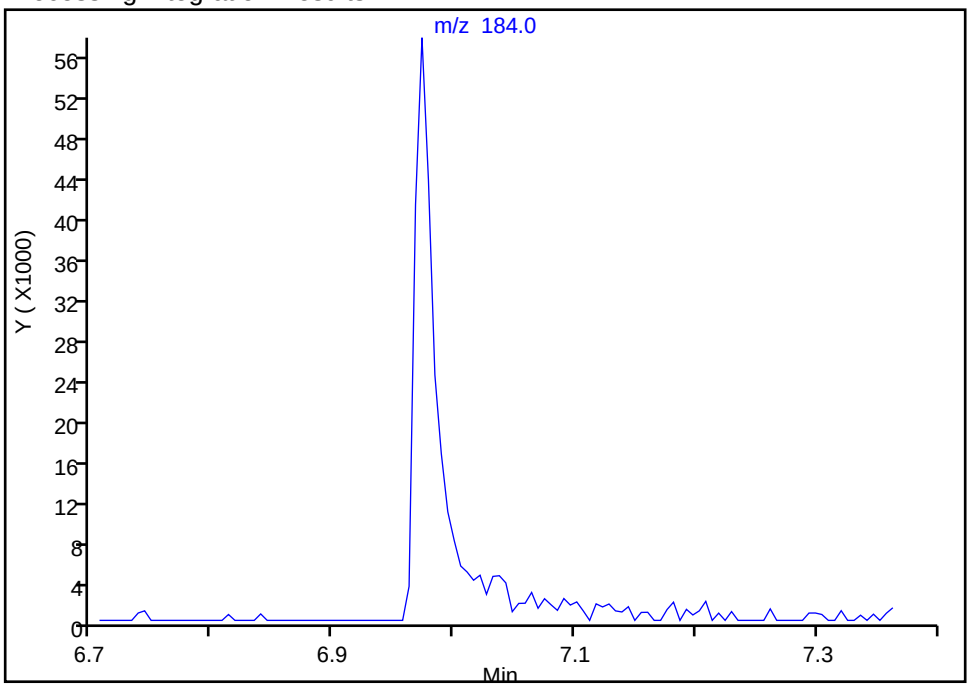
Data File:	\\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A23.D				
Injection Date:	18-Mar-2022 18:00:30	Instrument ID:	TAC051		
Lims ID:	ccvc				
Client ID:					
Operator ID:	TL	ALS Bottle#:	3	Worklist Smp#:	22
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		
Column:		Detector	MS SCAN		

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

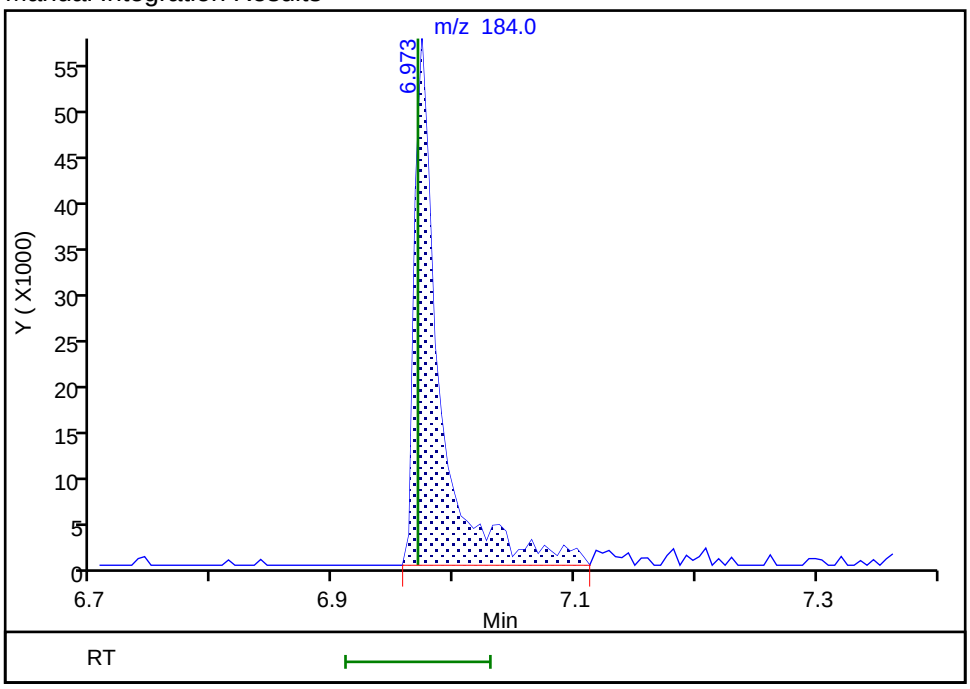
Not Detected
Expected RT: 6.97

Processing Integration Results



Manual Integration Results

RT: 6.97
Area: 82612
Amount: 1003.0823
Amount Units: ug/L



Reviewer: boylea, 18-Mar-2022 20:15:36
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 24-Jan-2022 16:16:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: dftpp
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 27-Jan-2022 15:44:19 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1640

First Level Reviewer: limmere Date: 24-Jan-2022 16:38:13

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
90 4,4'-DDE	246	9.417	9.417	0.000	16	4264		NR	
93 4,4'-DDD	235	9.689	9.689	0.000	85	80559		NR	
95 4,4'-DDT	235	9.940	9.940	0.000	95	5375736	NR	NR	
123 Pentachlorophenol_T	266	7.985	7.985	0.000	87	2451646	NR	NR	
124 DFTPP									
125 Benzidine_T	184	9.262	9.262	0.000	97	8692283	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

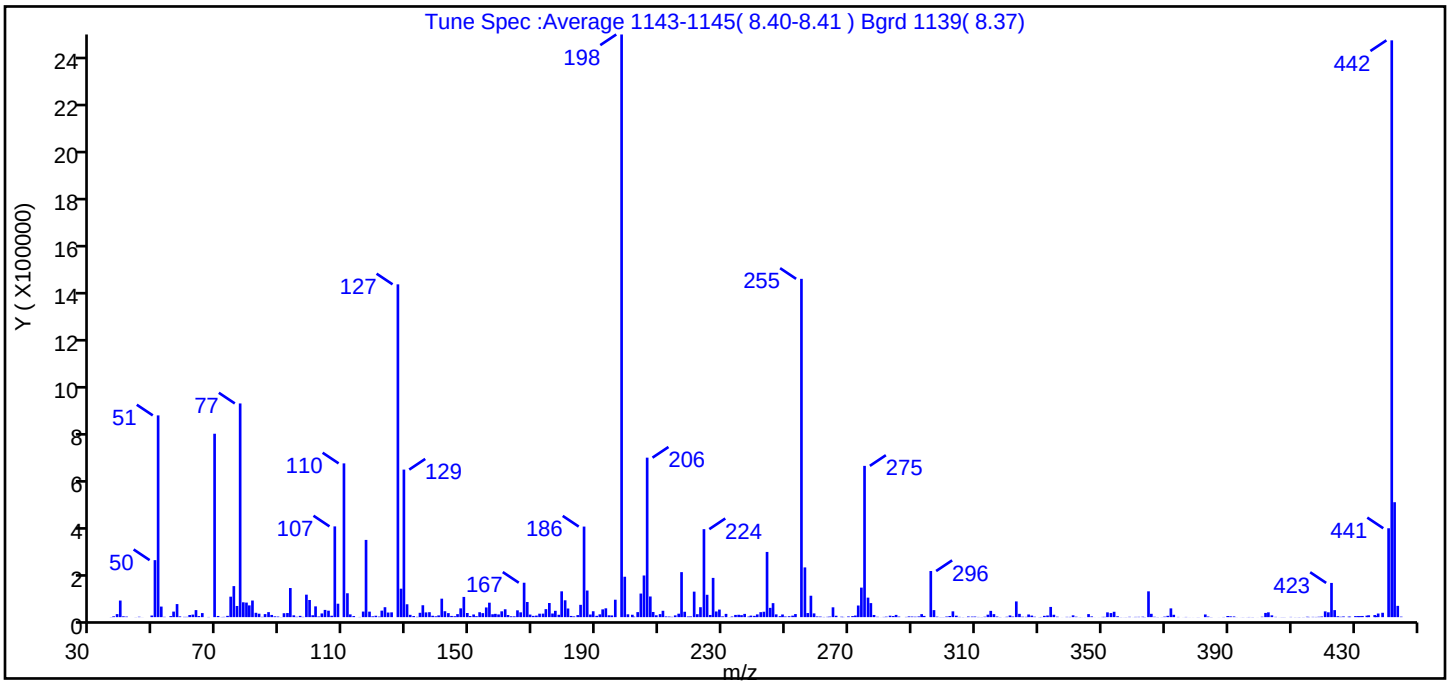
DFTPPx2_00044 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D
Injection Date: 24-Jan-2022 16:16:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Tune Method: DFTPP Method 8270E, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.0 (0.0)
69	Present	31.5
70	<2% of m/z 69	0.2 (0.6)
197	<2% of m/z 198	0.0
199	5-9% of m/z 198	6.9
365	>1% of m/z 198	4.4
441	<150% of m/z 443	15.3 (77.3)
442	Present	99.0
443	15-24% of m/z 442	19.7 (19.9)

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D\8270 TAC051.rslt\spectra.d
Injection Date: 24-Jan-2022 16:16:30
Spectrum: Tune Spec :Average 1143-1145(8.40-8.41) Bgrd 1139(8.37)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 390

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	630	142.00	25360	241.00	11741	343.00	452
37.00	3630	143.00	17240	242.00	21376	344.00	225
38.00	12928	144.00	5230	243.00	23096	345.00	218
39.00	71024	145.00	3935	244.00	278976	346.00	12996
40.00	3612	146.00	12873	245.00	39704	347.00	3144
41.00	2451	147.00	37640	246.00	59880	348.00	172
44.00	416	148.00	86560	247.00	11833	349.00	212
45.00	1677	149.00	17728	248.00	4063	350.00	1141
46.00	258	150.00	4948	249.00	11408	351.00	1201
49.00	6921	151.00	11418	250.00	2686	352.00	20472
50.00	243904	152.00	4013	251.00	3867	353.00	17472
51.00	863168	153.00	21024	252.00	6390	354.00	22960
52.00	45216	154.00	17160	253.00	13193	355.00	3689
53.00	1362	155.00	41440	255.00	1447424	356.00	479
55.00	4475	156.00	61856	256.00	212800	357.00	255
56.00	23776	157.00	12354	257.00	17456	358.00	488
57.00	55920	158.00	14109	258.00	91616	359.00	1483
58.00	3137	159.00	11574	259.00	16044	360.00	182
59.00	1216	160.00	24928	260.00	2878	361.00	1177
60.00	1221	161.00	33656	261.00	2348	362.00	1324
61.00	9102	162.00	9122	262.00	830	363.00	1972
62.00	10829	163.00	3717	263.00	1401	364.00	603
63.00	30128	164.00	3381	264.00	2327	365.00	110432
64.00	4404	165.00	29144	265.00	42056	366.00	14249
65.00	17392	166.00	20560	266.00	5887	367.00	1603
66.00	71	167.00	147264	268.00	1736	368.00	629
67.00	798	168.00	64816	268.00	1051	369.00	414
69.00	784704	169.00	11002	269.00	63	370.00	2218
70.00	5017	170.00	5447	270.00	2954	371.00	5660
71.00	805	171.00	6572	271.00	4549	372.00	37552
72.00	1205	172.00	14757	272.00	6742	373.00	10021
73.00	5599	173.00	14999	273.00	49784	374.00	981
74.00	87576	174.00	34208	274.00	126344	376.00	174

Report Date: 27-Jan-2022 15:44:19 Chrom Revision: 2.3 18-Jan-2022 20:25:40
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D\8270 TAC051.rslt\spectra.d
Injection Date: 24-Jan-2022 16:16:30
Spectrum: Tune Spec :Average 1143-1145(8.40-8.41) Bgrd 1139(8.37)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 390

m/z	Y	m/z	Y	m/z	Y	m/z	Y
75.00	132800	175.00	60456	275.00	647232	377.00	901
76.00	47752	176.00	15556	276.00	83480	378.00	227
77.00	914304	177.00	27088	277.00	60056	379.00	196
78.00	63592	178.00	10107	278.00	9239	380.00	209
79.00	62264	179.00	110488	279.00	1671	381.00	346
80.00	50320	180.00	72120	280.00	247	383.00	11481
81.00	71072	181.00	36976	281.00	1008	384.00	2775
82.00	18664	182.00	5206	282.00	2054	385.00	591
83.00	14759	183.00	3163	283.00	6264	387.00	210
84.00	1239	184.00	8725	284.00	4708	389.00	718
85.00	12986	185.00	52704	285.00	9645	390.00	4875
86.00	21424	186.00	387520	286.00	2415	391.00	3488
87.00	9390	187.00	113864	288.00	1023	392.00	3007
88.00	3385	188.00	11147	289.00	3204	393.00	296
89.00	2558	189.00	25264	290.00	2575	394.00	175
90.00	465	190.00	5660	291.00	1923	395.00	437
91.00	16720	191.00	11960	292.00	3144	396.00	288
92.00	17600	192.00	33264	293.00	12898	397.00	765
93.00	124568	193.00	37752	294.00	5248	398.00	632
94.00	7772	194.00	7828	296.00	197312	400.00	172
95.00	1630	195.00	7232	297.00	30024	401.00	1811
96.00	5523	196.00	74568	298.00	2147	402.00	18048
97.00	1150	198.00	2492928	299.00	610	403.00	20608
98.00	96176	199.00	172864	300.00	589	404.00	7694
99.00	73336	200.00	12171	301.00	2621	405.00	1161
100.00	8002	201.00	10200	302.00	4963	406.00	172
101.00	46120	202.00	2214	303.00	24856	407.00	496
102.00	2653	203.00	21520	304.00	6172	408.00	481
103.00	15883	204.00	100928	305.00	1156	410.00	1023
104.00	30960	205.00	178240	306.00	555	411.00	449
105.00	27576	206.00	682368	307.00	186	412.00	453
106.00	6049	207.00	88376	308.00	2816	413.00	300
107.00	388288	208.00	22096	309.00	2308	414.00	518
108.00	57488	209.00	7989	310.00	2547	415.00	1716

Report Date: 27-Jan-2022 15:44:19 Chrom Revision: 2.3 18-Jan-2022 20:25:40
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D\8270 TAC051.rslt\spectra.d
Injection Date: 24-Jan-2022 16:16:30
Spectrum: Tune Spec :Average 1143-1145(8.40-8.41) Bgrd 1139(8.37)
Base Peak: 197.90
Minimum % Base Peak: 0
Number of Points: 390

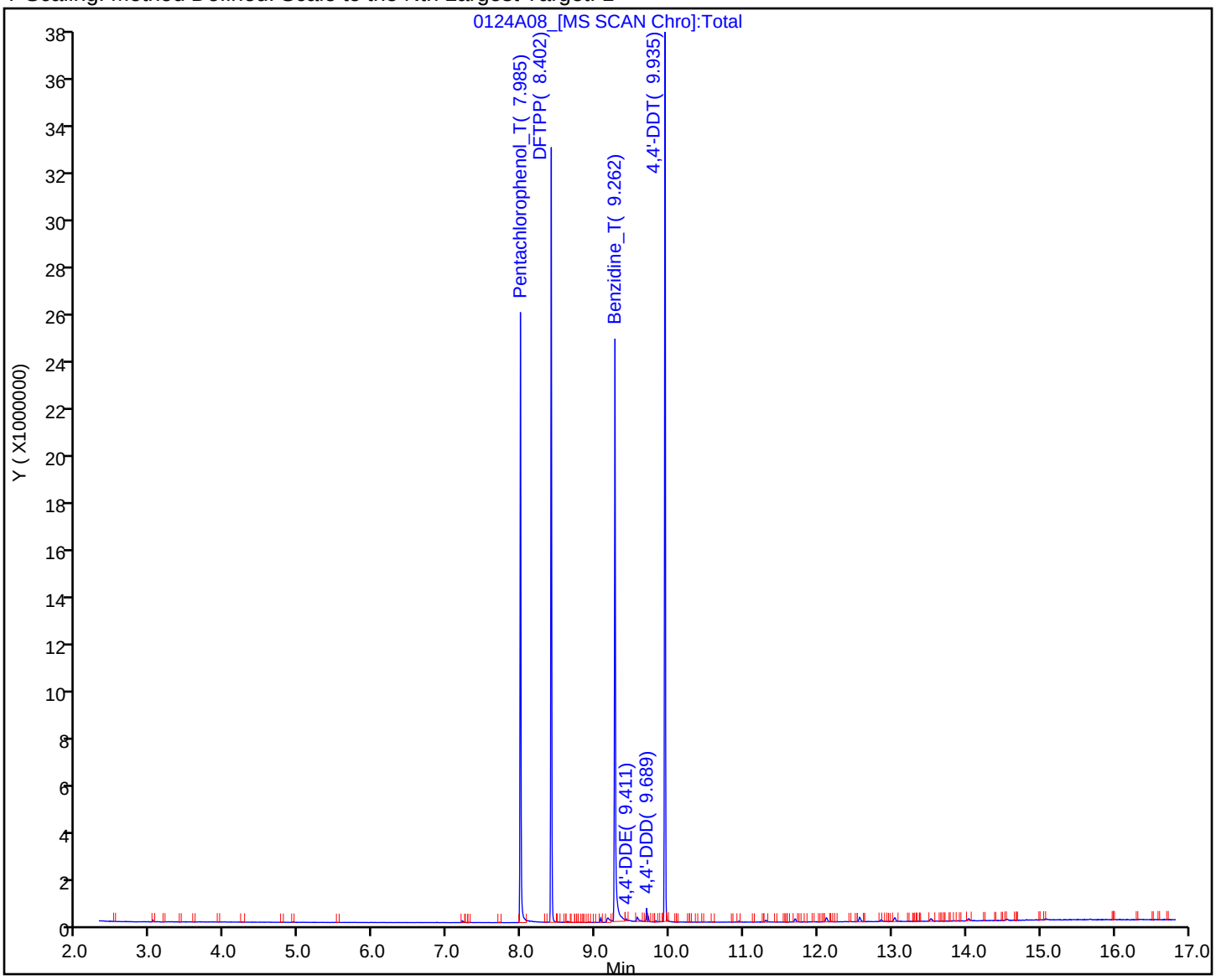
m/z	Y	m/z	Y	m/z	Y	m/z	Y
110.00	657856	210.00	12916	311.00	903	416.00	962
111.00	102232	211.00	27232	312.00	600	417.00	1196
112.00	11781	212.00	2998	313.00	1857	418.00	906
113.00	4580	213.00	2529	314.00	10500	419.00	1685
114.00	130	214.00	1342	315.00	26856	420.00	2583
115.00	859	215.00	7493	316.00	12857	421.00	24712
116.00	23880	216.00	14751	317.00	2711	422.00	20664
117.00	330432	217.00	192576	318.00	665	423.00	146432
118.00	23576	218.00	23040	319.00	183	424.00	30040
119.00	3508	219.00	2858	320.00	1631	425.00	3826
120.00	6003	220.00	3093	321.00	7290	426.00	1572
121.00	2400	221.00	109144	322.00	2520	427.00	2945
122.00	27872	222.00	12560	323.00	67304	428.00	1944
123.00	42488	223.00	42536	324.00	14029	429.00	2096
124.00	19696	224.00	376448	325.00	2016	430.00	4491
125.00	20488	225.00	95696	326.00	1309	431.00	4607
127.00	1423872	226.00	9330	327.00	11399	432.00	4418
128.00	121736	227.00	167936	328.00	6666	433.00	5029
129.00	631296	228.00	24296	329.00	1841	434.00	6376
130.00	55072	229.00	32432	330.00	586	435.00	7829
131.00	9917	230.00	3338	331.00	863	437.00	8969
132.00	4695	231.00	13975	332.00	5628	437.00	5602
133.00	1436	232.00	382	333.00	7140	438.00	15503
134.00	18576	233.00	2758	334.00	43680	439.00	18688
135.00	50920	234.00	9512	335.00	10180	441.00	380288
136.00	20288	235.00	10145	336.00	2094	442.00	2467840
137.00	21160	236.00	8508	338.00	169	443.00	491712
138.00	5955	237.00	13940	339.00	1242	444.00	48248
139.00	3521	238.00	2704	340.00	1045	445.00	2134
140.00	7368	239.00	6590	341.00	7781		
141.00	79056	240.00	5479	342.00	1919		

Report Date: 27-Jan-2022 15:44:19 Chrom Revision: 2.3 18-Jan-2022 20:25:40

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D				
Injection Date:	24-Jan-2022 16:16:30	Instrument ID:	TAC051		
Lims ID:	dftpp				
Client ID:					
Operator ID:	TL	ALS Bottle#:	2	Worklist Smp#:	2
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	8270 TAC051	Limit Group:	8270D BNA QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Breakdown Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D
Injection Date: 24-Jan-2022 16:16:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

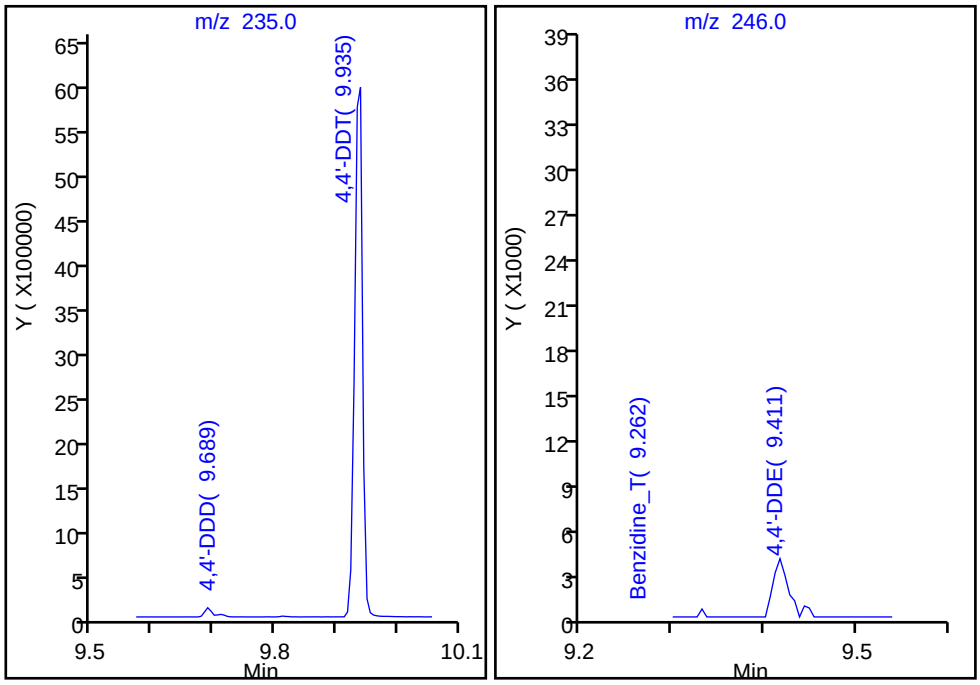
95 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

95 4,4'-DDT, Area = 5375736
90 4,4'-DDE, Area = 4264
93 4,4'-DDD, Area = 80559

%Breakdown: 1.55%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Seattle

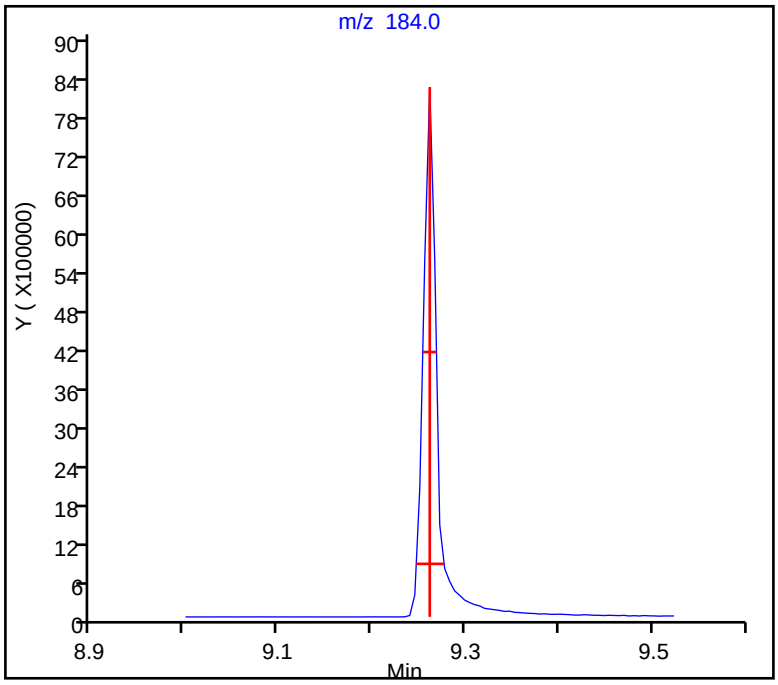
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D
Injection Date: 24-Jan-2022 16:16:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

125 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.014 (min.)

Tailing Factor = 1.07, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Seattle

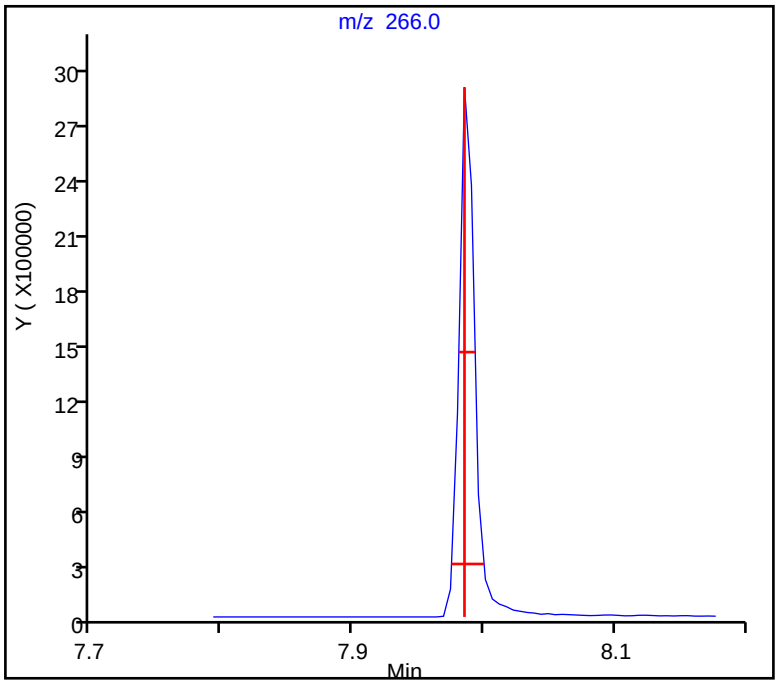
Data File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A08_.D
Injection Date: 24-Jan-2022 16:16:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

123 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.50, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A03.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 07-Mar-2022 10:41:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 07-Mar-2022 13:55:10 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1685

First Level Reviewer: limmere Date: 07-Mar-2022 13:55:10

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
90 4,4'-DDE	246	9.402	9.402	0.000	1	1302		NR	
93 4,4'-DDD	235	9.674	9.674	0.000	85	59333		NR	
95 4,4'-DDT	235	9.920	9.920	0.000	94	2343850	NR	NR	
123 Pentachlorophenol_T	266	7.981	7.981	0.000	85	925287	NR	NR	
124 DFTPP									
125 Benzidine_T	184	9.252	9.252	0.000	98	3033505	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

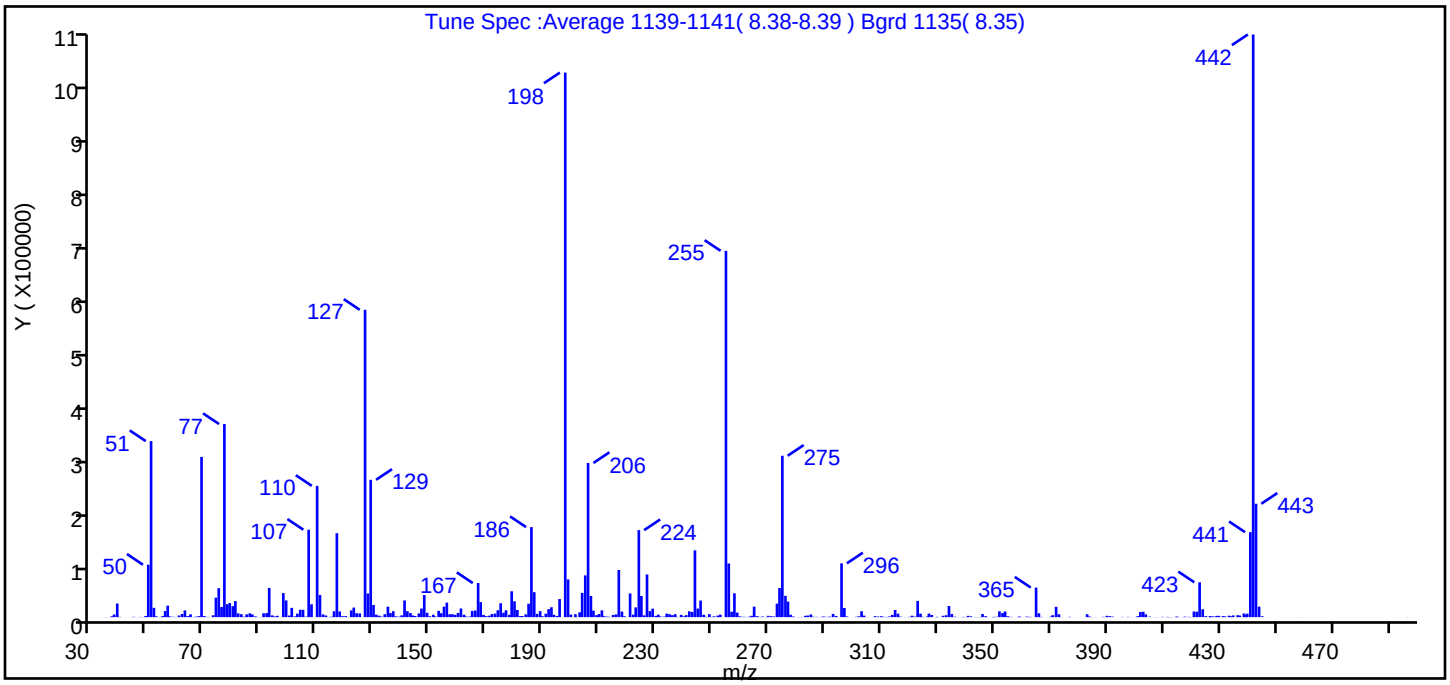
DFTPPx2_00044 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A03.D
Injection Date: 07-Mar-2022 10:41:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Tune Method: DFTPP Method 8270E, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.2 (0.6)
69	Present	29.4
70	<2% of m/z 69	0.2 (0.7)
197	<2% of m/z 198	0.0
199	5-9% of m/z 198	6.9
365	>1% of m/z 198	5.4
441	<150% of m/z 443	15.6 (74.9)
442	Present	107.0
443	15-24% of m/z 442	20.8 (19.5)

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A03.D\8270 TAC051.rslt\spectra.d
Injection Date: 07-Mar-2022 10:41:30
Spectrum: Tune Spec :Average 1139-1141(8.38-8.39) Bgrd 1135(8.35)
Base Peak: 441.90
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
35.00	247	137.00	11116	234.00	6532	337.00	221
36.00	181	138.00	1482	235.00	5535	338.00	209
37.00	1603	139.00	945	236.00	3692	339.00	506
38.00	4930	140.00	3375	237.00	5556	340.00	347
39.00	25296	141.00	31096	238.00	398	341.00	2418
40.00	513	142.00	11103	239.00	4264	342.00	1484
44.00	211	143.00	7657	240.00	1435	343.00	305
45.00	565	144.00	3089	241.00	3701	345.00	214
47.00	176	145.00	2089	242.00	10800	345.00	195
47.00	415	146.00	6903	243.00	9762	346.00	5804
48.00	222	147.00	16000	244.00	124424	347.00	1885
49.00	2188	148.00	41280	245.00	15912	348.00	198
50.00	97736	149.00	8041	246.00	30856	350.00	232
51.00	327936	150.00	1678	247.00	4527	350.00	538
52.00	17352	151.00	4545	248.00	769	351.00	686
53.00	1437	152.00	1467	249.00	5623	352.00	10824
54.00	282	153.00	11756	250.00	522	353.00	7600
55.00	1984	154.00	7387	251.00	1491	354.00	10546
56.00	11355	155.00	19544	252.00	2947	355.00	1726
57.00	21368	156.00	27024	253.00	4552	356.00	573
58.00	1409	157.00	5410	255.00	682368	358.00	263
59.00	663	158.00	5432	256.00	99952	359.00	1263
60.00	231	159.00	4335	257.00	10083	360.00	167
61.00	3017	160.00	7803	258.00	44432	362.00	1010
62.00	5796	161.00	16115	259.00	8406	362.00	395
63.00	12480	162.00	4450	260.00	1439	363.00	506
64.00	2027	163.00	1129	261.00	659	365.00	55112
65.00	5202	164.00	1096	262.00	449	366.00	7196
66.00	293	165.00	11622	263.00	949	367.00	450
67.00	956	166.00	12305	264.00	2508	369.00	228
68.00	1886	167.00	63472	265.00	19624	370.00	962
69.00	298496	168.00	27968	266.00	1950	371.00	3615
70.00	1946	169.00	4175	267.00	565	372.00	19200

Report Date: 07-Mar-2022 13:55:11 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A03.D\8270 TAC051.rslt\spectra.d
Injection Date: 07-Mar-2022 10:41:30
Spectrum: Tune Spec :Average 1139-1141(8.38-8.39) Bgrd 1135(8.35)
Base Peak: 441.90
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
71.00	511	170.00	1940	268.00	1105	373.00	5331
73.00	3435	171.00	2698	269.00	336	374.00	240
74.00	36248	172.00	5761	270.00	2496	377.00	636
75.00	53992	173.00	6619	271.00	1661	383.00	5439
76.00	18832	174.00	12876	272.00	1257	384.00	1291
77.00	359744	175.00	25896	273.00	25144	385.00	220
78.00	24024	176.00	8139	274.00	54216	386.00	204
79.00	26248	177.00	12823	275.00	300672	389.00	649
80.00	20560	178.00	4391	276.00	39696	390.00	2495
81.00	29960	179.00	48240	277.00	28856	391.00	1830
82.00	6969	180.00	29568	278.00	4564	392.00	954
83.00	5550	181.00	13433	279.00	1201	396.00	406
84.00	871	182.00	2094	280.00	183	398.00	552
85.00	5239	183.00	2021	281.00	187	399.00	177
86.00	7077	184.00	5173	282.00	429	400.00	230
87.00	5195	185.00	24960	283.00	2606	401.00	1882
88.00	1401	186.00	167744	284.00	2921	402.00	9657
89.00	279	187.00	46472	285.00	4977	403.00	9978
90.00	217	188.00	6127	286.00	882	404.00	5091
91.00	7236	189.00	11152	287.00	514	405.00	955
92.00	7548	190.00	1708	288.00	217	407.00	223
93.00	54472	191.00	6368	289.00	874	408.00	188
94.00	3213	192.00	14994	290.00	982	410.00	546
95.00	1335	193.00	18424	291.00	439	411.00	541
96.00	2517	194.00	4374	292.00	931	412.00	270
98.00	44768	195.00	2261	293.00	5971	413.00	259
99.00	31176	196.00	33728	294.00	2231	415.00	656
100.00	2993	198.00	1014464	296.00	100240	415.00	931
101.00	17280	199.00	70256	297.00	17128	416.00	169
102.00	1450	200.00	4771	298.00	1256	417.00	365
103.00	6503	202.00	5511	301.00	598	418.00	891
104.00	13777	202.00	593	302.00	1566	419.00	585
105.00	13591	203.00	8888	303.00	11004	420.00	241
106.00	988	204.00	45208	304.00	2850	421.00	10522

Report Date: 07-Mar-2022 13:55:11 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A03.D\8270 TAC051.rslt\spectra.d
Injection Date: 07-Mar-2022 10:41:30
Spectrum: Tune Spec :Average 1139-1141(8.38-8.39) Bgrd 1135(8.35)
Base Peak: 441.90
Minimum % Base Peak: 0
Number of Points: 379

m/z	Y	m/z	Y	m/z	Y	m/z	Y
107.00	162880	205.00	77832	305.00	185	422.00	10098
108.00	23984	206.00	287232	308.00	1901	423.00	64952
110.00	244544	207.00	39344	309.00	1113	424.00	14719
111.00	41248	208.00	12131	310.00	1703	425.00	1911
112.00	5177	209.00	3747	311.00	656	426.00	1245
113.00	3085	210.00	5938	312.00	464	427.00	1936
114.00	291	211.00	12626	313.00	1347	428.00	1467
115.00	860	212.00	1647	314.00	4155	429.00	2340
116.00	11110	213.00	981	315.00	13314	430.00	2425
117.00	156352	214.00	455	316.00	6475	431.00	1919
118.00	10561	215.00	4146	317.00	941	432.00	1381
119.00	1844	216.00	5048	318.00	233	433.00	2696
120.00	1912	217.00	87824	320.00	616	434.00	1744
121.00	397	218.00	10397	321.00	2686	435.00	3229
122.00	12561	219.00	1692	322.00	1026	436.00	3515
123.00	17784	221.00	44144	323.00	30248	437.00	2976
124.00	7344	222.00	4680	324.00	6342	439.00	6830
125.00	6832	223.00	18176	325.00	542	439.00	4474
127.00	572544	224.00	162112	326.00	1234	440.00	6509
128.00	44024	225.00	39336	327.00	6638	441.00	158336
129.00	255808	226.00	3278	328.00	4082	442.00	1085440
130.00	22608	227.00	79576	330.00	243	443.00	211264
131.00	4548	228.00	11235	330.00	566	444.00	19504
132.00	2712	229.00	15849	332.00	2584	445.00	1684
133.00	924	230.00	2379	333.00	3550	458.00	182
134.00	5437	231.00	4702	334.00	20656	459.00	169
135.00	19504	232.00	1263	335.00	5904	496.00	247
136.00	7582	233.00	1082	336.00	837		

Report Date: 07-Mar-2022 13:55:11 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A03.D

Injection Date: 07-Mar-2022 10:41:30 Instrument ID: TAC051

Lims ID: dftpp

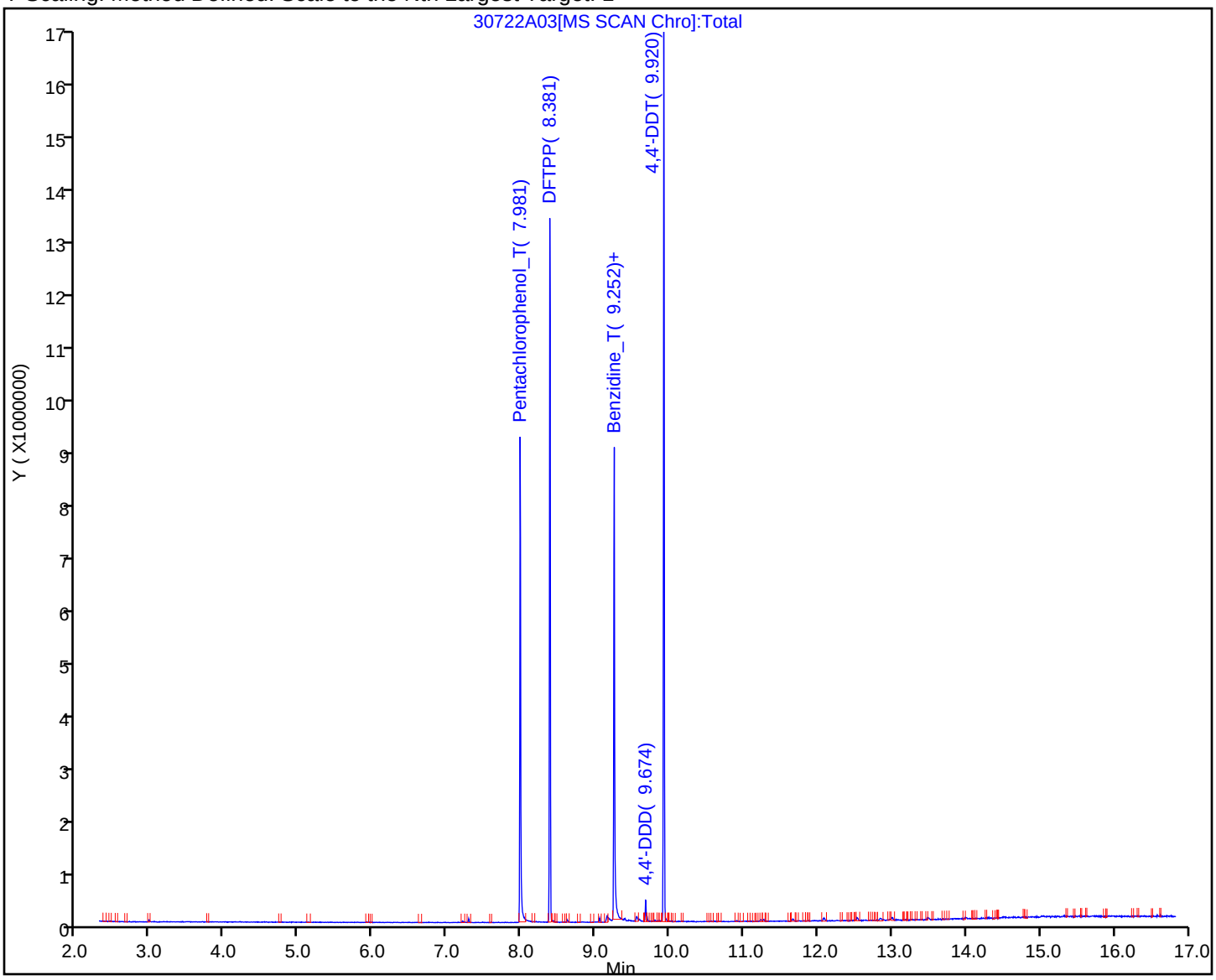
Client ID:

Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Breakdown Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A03.D
Injection Date: 07-Mar-2022 10:41:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

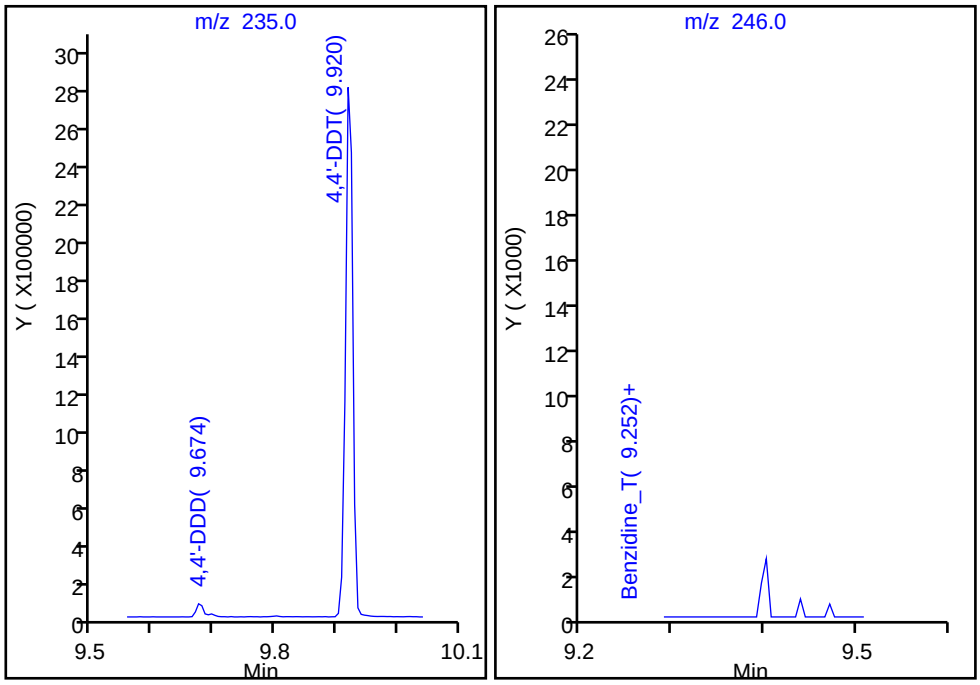
95 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

95 4,4'-DDT, Area = 2343850
90 4,4'-DDE, Area = 1302
93 4,4'-DDD, Area = 59333

%Breakdown: 2.52%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Seattle

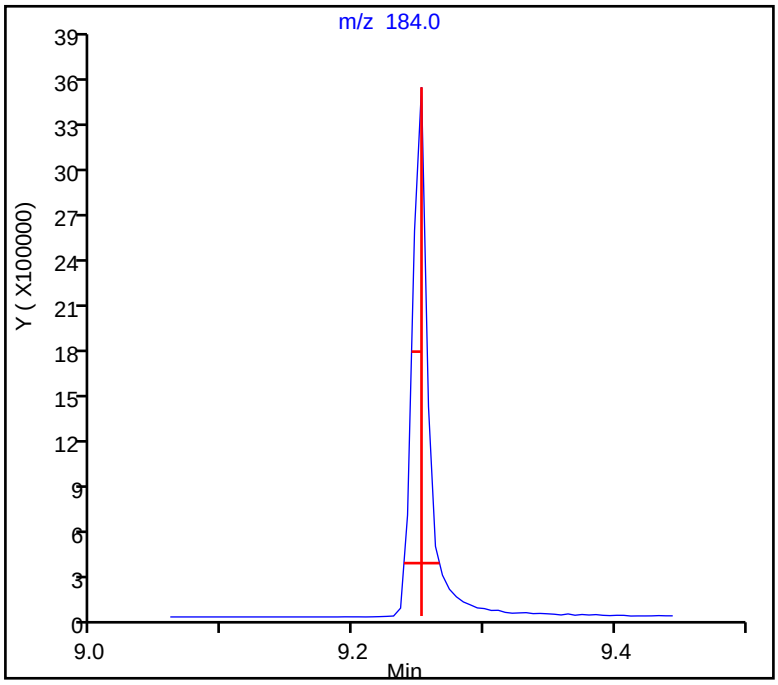
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A03.D
Injection Date: 07-Mar-2022 10:41:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

125 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.08, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Seattle

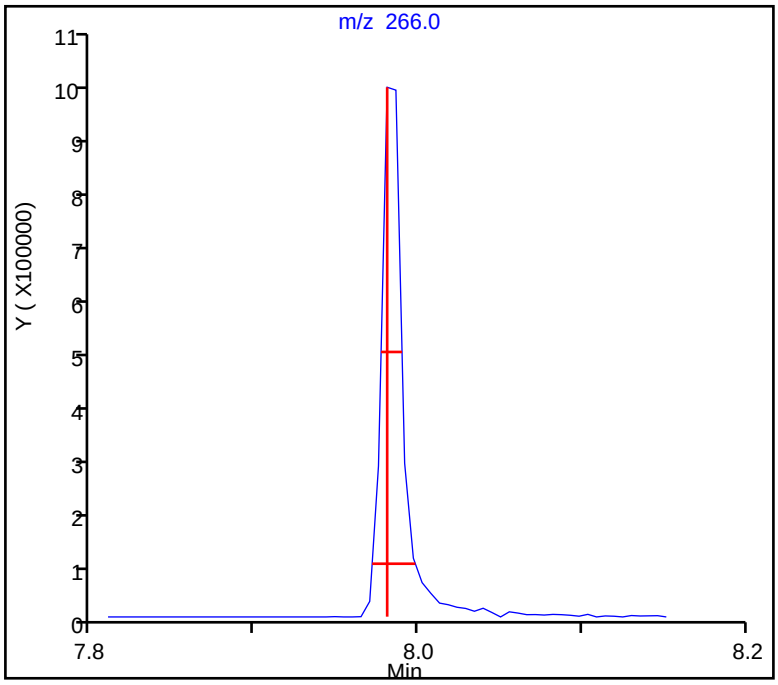
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A03.D
Injection Date: 07-Mar-2022 10:41:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

123 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.89, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A03.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 08-Mar-2022 10:30:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 09-Mar-2022 09:08:34 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1686

First Level Reviewer: thaneeratw Date: 09-Mar-2022 09:08:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
90 4,4'-DDE	246	9.394	9.394	0.000	1	1379		NR	
93 4,4'-DDD	235	9.677	9.677	0.000	79	36320		NR	
95 4,4'-DDT	235	9.923	9.923	0.000	96	2554449	NR	NR	
123 Pentachlorophenol_T	266	7.984	7.984	0.000	85	1015301	NR	NR	
124 DFTPP									
125 Benzidine_T	184	9.250	9.250	0.000	98	3182006	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

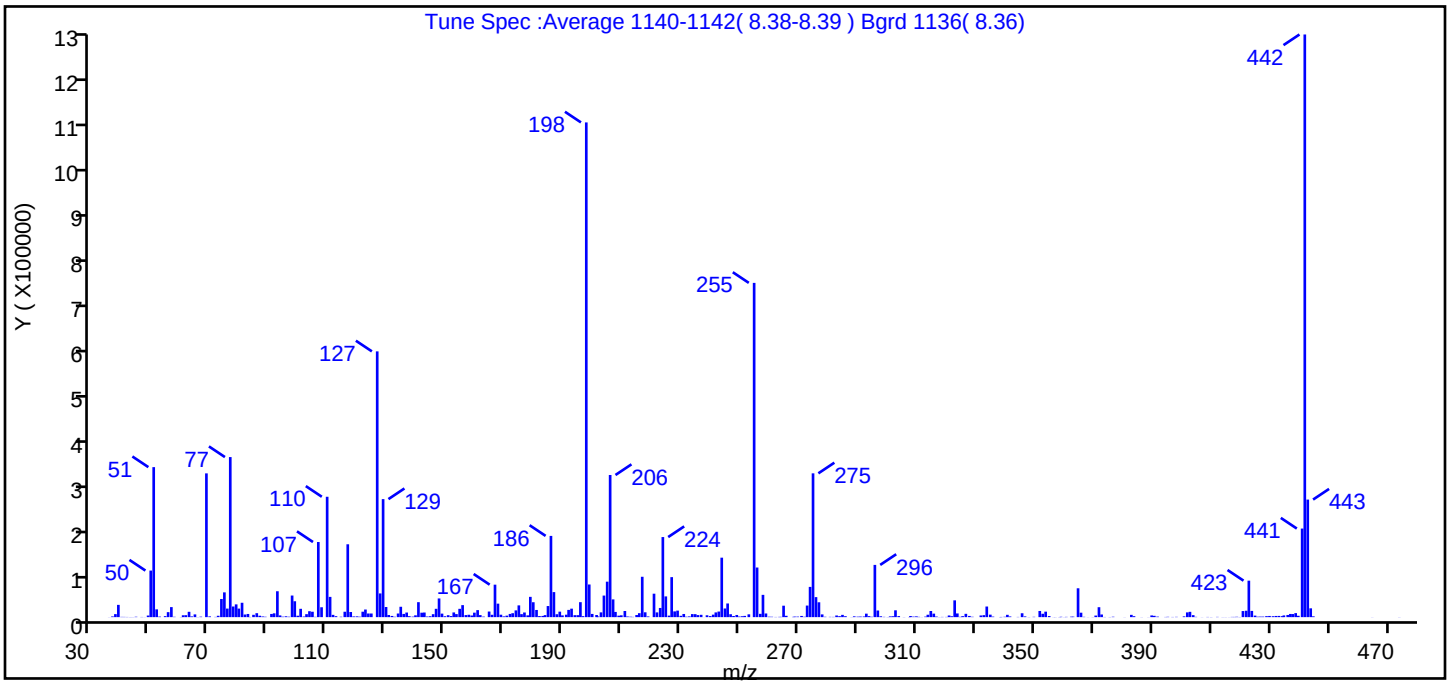
DFTPPx2_00044 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A03.D
Injection Date: 08-Mar-2022 10:30:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Tune Method: DFTPP Method 8270E, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.0 (0.0)
69	Present	29.1
70	<2% of m/z 69	0.2 (0.5)
197	<2% of m/z 198	0.2
199	5-9% of m/z 198	6.6
365	>1% of m/z 198	5.8
441	<150% of m/z 443	17.9 (75.3)
442	Present	117.8
443	15-24% of m/z 442	23.8 (20.2)

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A03.D\8270 TAC051.rslt\spectra.d
Injection Date: 08-Mar-2022 10:30:30
Spectrum: Tune Spec :Average 1140-1142(8.38-8.39) Bgrd 1136(8.36)
Base Peak: 441.90
Minimum % Base Peak: 0
Number of Points: 371

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	199	138.00	2019	233.00	1548	333.00	4167
37.00	1502	139.00	1054	234.00	6369	334.00	22232
38.00	6335	140.00	3783	235.00	6247	335.00	5214
39.00	25696	141.00	31336	236.00	4270	336.00	1112
40.00	560	142.00	9311	237.00	4880	338.00	308
41.00	510	143.00	9688	238.00	111	339.00	445
42.00	407	144.00	1306	239.00	3914	340.00	777
43.00	314	145.00	1910	240.00	2229	341.00	4856
44.00	250	146.00	6177	241.00	5192	342.00	1395
45.00	838	147.00	17456	242.00	9898	344.00	452
47.00	386	148.00	39152	243.00	11722	346.00	8148
48.00	188	149.00	7374	244.00	124488	347.00	1538
49.00	3366	150.00	1890	245.00	18120	348.00	269
50.00	97472	151.00	4068	246.00	28624	350.00	684
51.00	313984	152.00	2210	247.00	6096	352.00	12907
52.00	16306	153.00	9849	248.00	2419	353.00	7057
53.00	1181	154.00	6379	249.00	4542	354.00	11481
55.00	2085	155.00	17424	250.00	1303	355.00	2221
56.00	10434	156.00	25144	251.00	1918	357.00	181
57.00	21000	157.00	4315	252.00	2605	357.00	222
58.00	737	158.00	4976	253.00	5866	359.00	287
60.00	329	159.00	3418	255.00	699648	359.00	759
61.00	3917	160.00	9382	256.00	103872	360.00	191
62.00	4076	161.00	14704	257.00	6919	361.00	564
63.00	11183	162.00	4271	258.00	46656	363.00	909
64.00	1517	163.00	1094	259.00	7670	363.00	1038
65.00	5753	165.00	11738	260.00	933	365.00	60416
66.00	282	166.00	4930	261.00	790	366.00	9299
67.00	1006	167.00	67976	262.00	407	367.00	669
69.00	300928	168.00	28232	263.00	530	368.00	177
70.00	1579	169.00	5076	264.00	622	370.00	251
72.00	474	170.00	1564	265.00	23952	371.00	3304
73.00	2871	171.00	3125	266.00	2821	372.00	20792

Report Date: 09-Mar-2022 09:08:35 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A03.D\8270 TAC051.rslt\spectra.d
Injection Date: 08-Mar-2022 10:30:30
Spectrum: Tune Spec :Average 1140-1142(8.38-8.39) Bgrd 1136(8.36)
Base Peak: 441.90
Minimum % Base Peak: 0
Number of Points: 371

m/z	Y	m/z	Y	m/z	Y	m/z	Y
74.00	37928	172.00	6707	268.00	569	373.00	5559
75.00	51848	173.00	8233	269.00	1134	374.00	384
76.00	17912	174.00	14147	270.00	1099	376.00	324
77.00	335040	175.00	24632	271.00	2524	377.00	859
78.00	22280	176.00	6278	272.00	805	381.00	181
79.00	26736	177.00	9751	273.00	24240	383.00	4806
80.00	17904	178.00	3748	274.00	63312	384.00	1971
81.00	30096	179.00	42472	275.00	300992	386.00	196
82.00	5524	180.00	31208	276.00	41920	389.00	191
83.00	6659	181.00	15030	277.00	31096	390.00	3569
84.00	388	182.00	2293	278.00	5729	391.00	2776
85.00	4887	183.00	2549	279.00	773	392.00	1105
86.00	8291	184.00	4212	281.00	599	395.00	405
87.00	2921	185.00	23216	282.00	529	395.00	682
88.00	1423	186.00	170048	283.00	3457	397.00	410
89.00	827	187.00	52400	284.00	2081	398.00	612
91.00	6664	188.00	6085	285.00	4768	401.00	1543
92.00	7985	189.00	11489	286.00	1954	402.00	9940
93.00	54208	190.00	3677	288.00	212	403.00	11147
94.00	3615	191.00	5106	289.00	1669	404.00	4158
95.00	970	192.00	15160	290.00	1001	405.00	609
96.00	1793	193.00	17768	291.00	1257	407.00	175
97.00	910	194.00	4124	292.00	1378	409.00	422
98.00	45232	195.00	4130	293.00	7307	410.00	276
99.00	33248	196.00	31328	294.00	2111	412.00	526
100.00	2973	197.00	2039	295.00	792	414.00	213
101.00	17448	198.00	1035520	296.00	109352	415.00	220
102.00	1283	199.00	68344	297.00	13896	416.00	182
103.00	6232	200.00	6744	298.00	1812	417.00	487
104.00	12398	201.00	4493	299.00	585	418.00	463
105.00	11315	202.00	1415	300.00	269	419.00	740
106.00	640	203.00	9987	301.00	1572	420.00	339
107.00	157248	204.00	45152	302.00	1882	421.00	12747
108.00	20680	205.00	74256	303.00	14306	422.00	13411

Report Date: 09-Mar-2022 09:08:35 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A03.D\8270 TAC051.rslt\spectra.d
Injection Date: 08-Mar-2022 10:30:30
Spectrum: Tune Spec :Average 1140-1142(8.38-8.39) Bgrd 1136(8.36)
Base Peak: 441.90
Minimum % Base Peak: 0
Number of Points: 371

m/z	Y	m/z	Y	m/z	Y	m/z	Y
110.00	251968	206.00	297536	304.00	2184	423.00	76352
111.00	42416	207.00	37160	306.00	250	424.00	13038
112.00	4796	208.00	10901	308.00	295	425.00	3204
113.00	2000	209.00	3094	308.00	2327	426.00	974
115.00	848	210.00	3801	309.00	1110	427.00	1132
116.00	11309	211.00	12866	310.00	1626	428.00	1138
117.00	152512	212.00	1370	311.00	627	429.00	2104
118.00	10734	213.00	881	312.00	175	430.00	2489
119.00	1469	214.00	535	313.00	1139	431.00	1948
120.00	1623	215.00	4423	314.00	5024	432.00	2491
121.00	959	216.00	8279	315.00	12852	433.00	2570
122.00	11389	217.00	84496	316.00	7313	434.00	2055
123.00	15944	218.00	10143	317.00	1224	435.00	3635
124.00	7626	219.00	1477	318.00	244	436.00	4557
125.00	7618	221.00	49088	319.00	457	437.00	6659
127.00	556288	222.00	9935	320.00	464	438.00	6443
128.00	49616	223.00	19200	321.00	3465	439.00	8437
129.00	247040	224.00	167616	322.00	1834	440.00	2850
130.00	21216	225.00	43408	323.00	35168	441.00	185408
131.00	4445	226.00	3183	324.00	7733	442.00	1219584
132.00	2522	227.00	83728	325.00	639	443.00	246080
133.00	808	228.00	12044	326.00	2083	444.00	18464
134.00	7601	229.00	13648	327.00	6935	445.00	1656
135.00	21712	230.00	2821	328.00	2519	465.00	169
136.00	6746	231.00	6620	329.00	779	474.00	224
137.00	9639	232.00	923	332.00	3522		

Report Date: 09-Mar-2022 09:08:35 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A03.D

Injection Date: 08-Mar-2022 10:30:30 Instrument ID: TAC051

Lims ID: dftpp

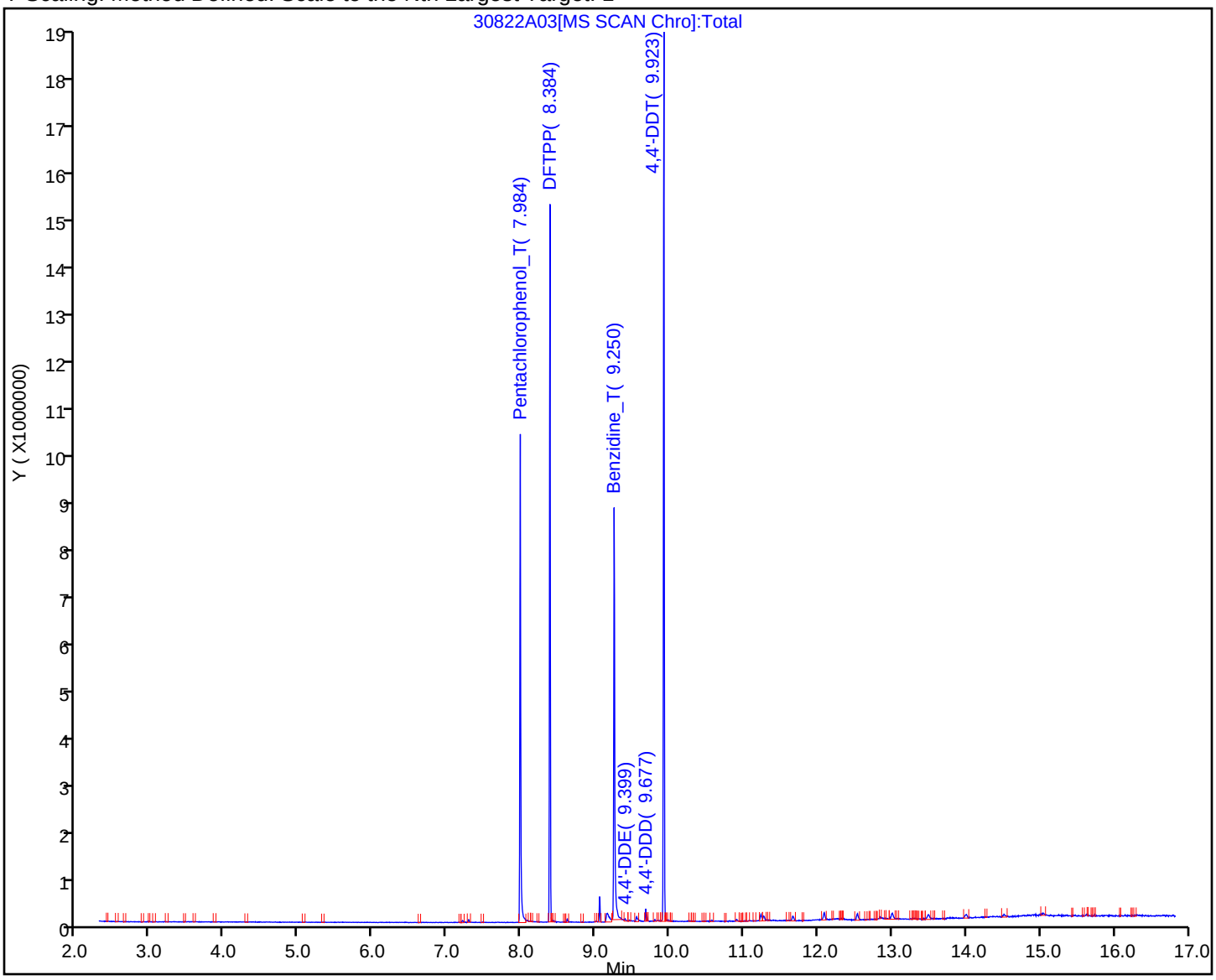
Client ID:

Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Breakdown Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A03.D
Injection Date: 08-Mar-2022 10:30:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

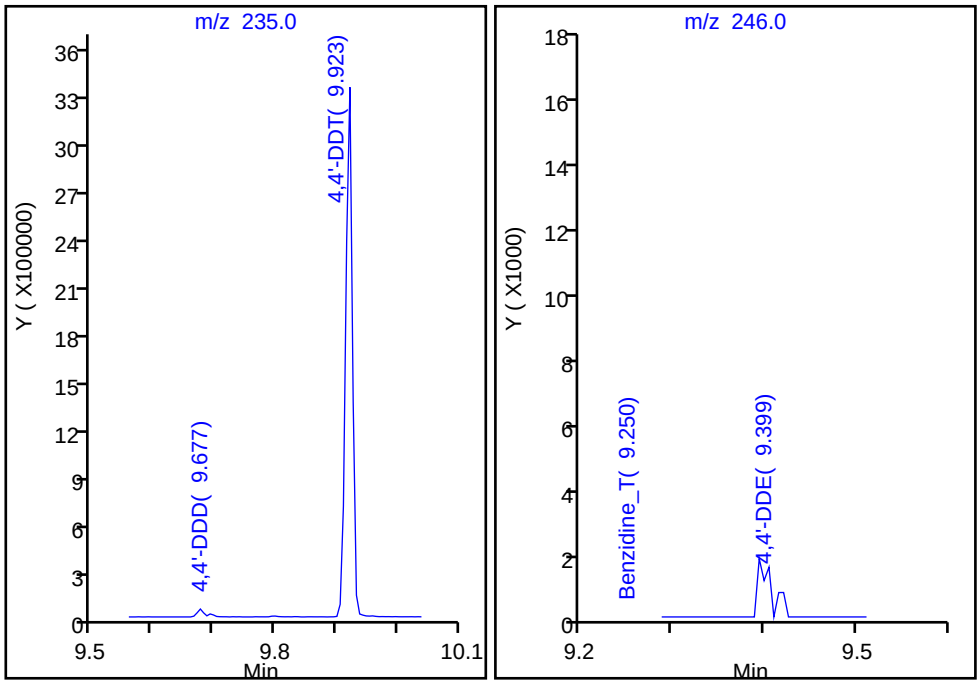
95 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

95 4,4'-DDT, Area = 2554449
90 4,4'-DDE, Area = 1379
93 4,4'-DDD, Area = 36320

%Breakdown: 1.45%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Seattle

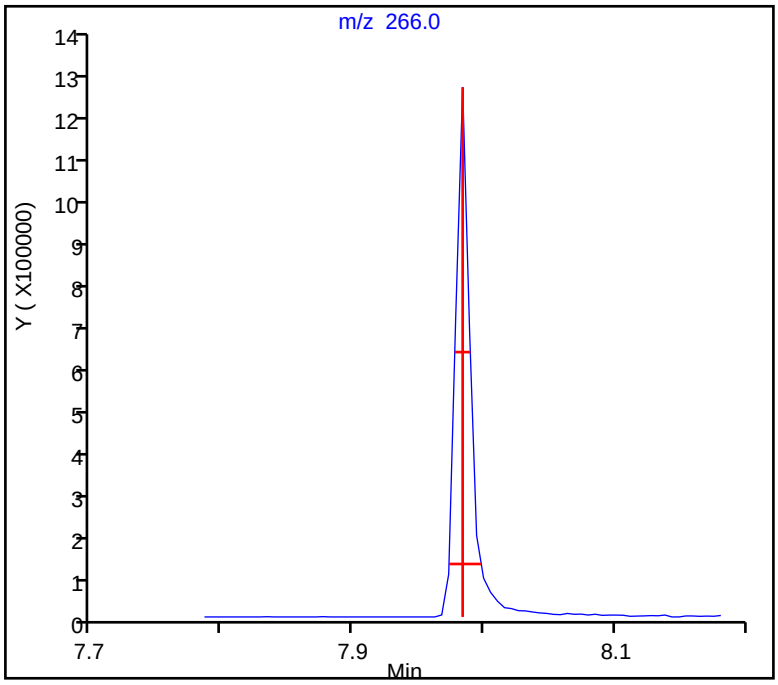
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A03.D
Injection Date: 08-Mar-2022 10:30:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

123 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.014 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.40, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Seattle

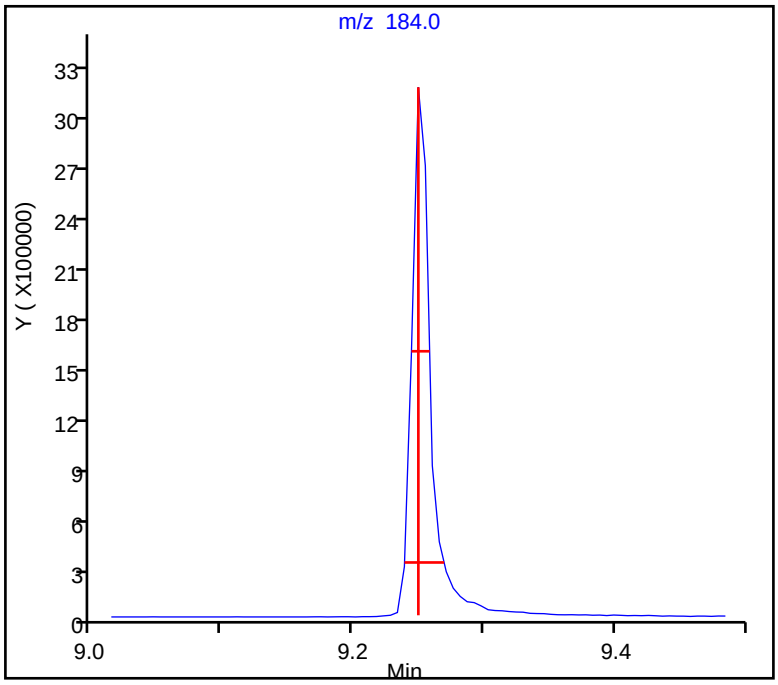
Data File: \\chromfs\Seattle\ChromData\TAC051\20220308-81633.b\30822A03.D
Injection Date: 08-Mar-2022 10:30:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

125 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.011 (min.)

Tailing Factor = 1.82, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A03.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 18-Mar-2022 09:59:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 11:30:40 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1651

First Level Reviewer: limmere Date: 18-Mar-2022 11:30:40

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
90 4,4'-DDE	246	9.388	9.388	0.000	9	5928		NR	
93 4,4'-DDD	235	9.666	9.666	0.000	91	169506		NR	
95 4,4'-DDT	235	9.912	9.912	0.000	94	4956951	NR	NR	
123 Pentachlorophenol_T	266	7.967	7.967	0.000	86	2030017	NR	NR	
124 DFTPP									
125 Benzidine_T	184	9.239	9.239	0.000	97	5071815	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard

Reagents:

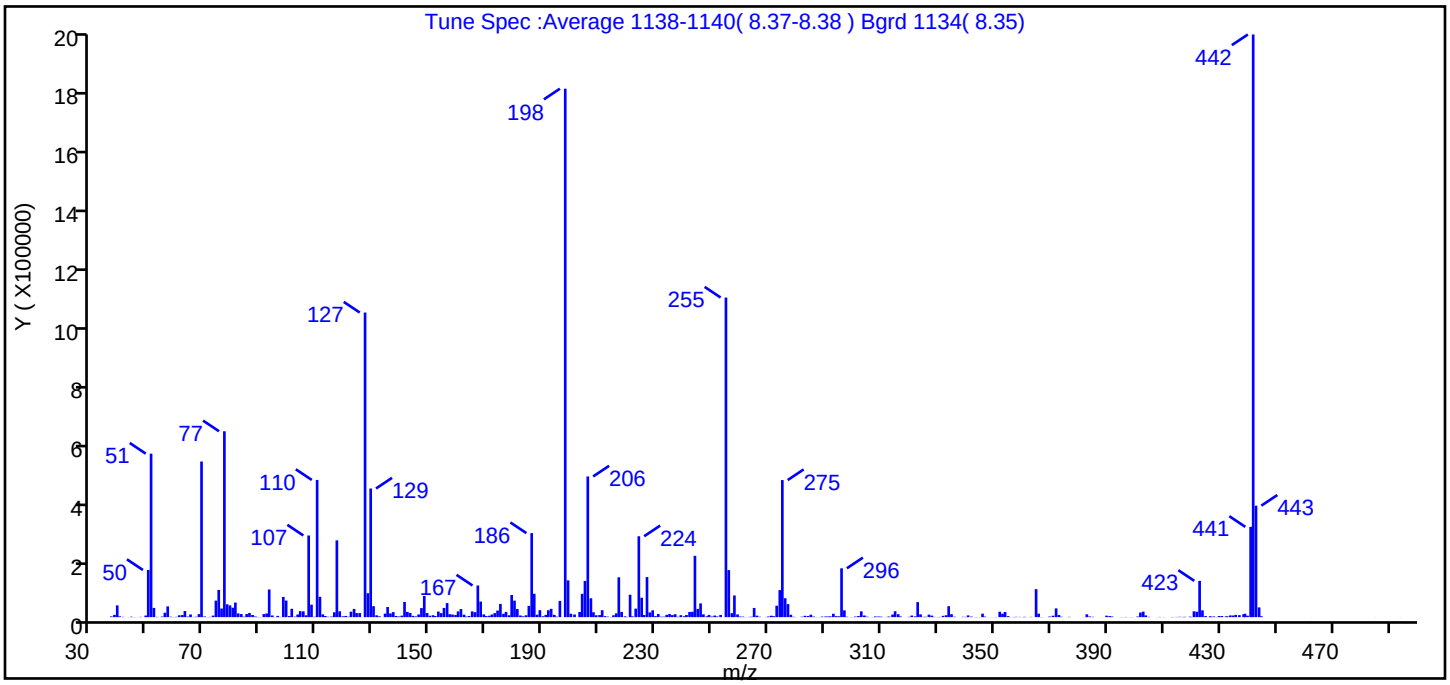
DFTPPx2_00044 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A03.D
Injection Date: 18-Mar-2022 09:59:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Tune Method: DFTPP Method 8270E, BP 198

124 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	Base peak or present	100.0
68	<2% of m/z 69	0.6 (2.0)
69	Present	29.5
70	<2% of m/z 69	0.1 (0.4)
197	<2% of m/z 198	0.0
199	5-9% of m/z 198	7.0
365	>1% of m/z 198	5.3
441	<150% of m/z 443	17.1 (81.0)
442	Present	110.3
443	15-24% of m/z 442	21.1 (19.1)

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A03.D\8270 TAC051.rslt\spectra.d
Injection Date: 18-Mar-2022 09:59:30
Spectrum: Tune Spec :Average 1138-1140(8.37-8.38) Bgrd 1134(8.35)
Base Peak: 441.90
Minimum % Base Peak: 0
Number of Points: 384

m/z	Y	m/z	Y	m/z	Y	m/z	Y
37.00	2445	136.00	12380	234.00	7621	335.00	9802
38.00	7488	137.00	16752	235.00	10294	336.00	1407
39.00	39048	138.00	3807	236.00	6848	339.00	1171
40.00	2736	139.00	2317	237.00	9830	340.00	704
41.00	1008	140.00	4865	238.00	1338	341.00	5863
43.00	306	141.00	50416	239.00	6532	342.00	1887
44.00	1426	142.00	17400	240.00	3073	343.00	282
45.00	466	143.00	13894	241.00	7046	344.00	474
46.00	214	144.00	4267	242.00	17240	345.00	379
47.00	883	145.00	2367	243.00	17920	346.00	11574
49.00	5291	146.00	8966	244.00	203840	347.00	1944
50.00	156736	147.00	30184	245.00	27480	348.00	326
51.00	543488	148.00	70328	246.00	45704	349.00	297
52.00	30672	149.00	13734	247.00	9357	351.00	600
53.00	1010	150.00	4606	248.00	2879	352.00	17944
54.00	196	151.00	6386	249.00	7367	353.00	11455
55.00	1955	152.00	3682	250.00	2086	354.00	17256
56.00	14722	153.00	18576	251.00	5290	355.00	3272
57.00	35792	154.00	13263	252.00	2284	356.00	295
58.00	1428	155.00	30560	253.00	7252	357.00	663
59.00	473	156.00	46736	255.00	1062400	358.00	947
60.00	1055	157.00	9780	256.00	156352	359.00	807
61.00	6169	158.00	8756	257.00	13235	360.00	418
62.00	6828	159.00	7319	258.00	72080	361.00	1062
63.00	20352	160.00	19016	259.00	9157	362.00	225
64.00	1872	161.00	26880	260.00	2009	363.00	929
65.00	8963	162.00	8214	261.00	1727	365.00	93024
66.00	740	163.00	1965	262.00	440	366.00	11569
67.00	1362	164.00	3982	263.00	877	367.00	514
68.00	10132	165.00	19096	264.00	1366	368.00	173
69.00	517376	166.00	16616	265.00	30568	370.00	2071
70.00	2281	167.00	105192	266.00	4947	371.00	4809
71.00	571	168.00	51808	267.00	1318	372.00	29152

Report Date: 18-Mar-2022 11:30:41 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A03.D\8270 TAC051.rslt\spectra.d
Injection Date: 18-Mar-2022 09:59:30
Spectrum: Tune Spec :Average 1138-1140(8.37-8.38) Bgrd 1134(8.35)
Base Peak: 441.90
Minimum % Base Peak: 0
Number of Points: 384

m/z	Y	m/z	Y	m/z	Y	m/z	Y
72.00	890	169.00	9213	269.00	660	373.00	6964
73.00	5174	170.00	3623	270.00	2165	374.00	1276
74.00	54904	171.00	4689	271.00	4745	376.00	188
75.00	90520	172.00	8671	272.00	3234	377.00	945
76.00	28648	173.00	13441	273.00	37952	382.00	464
77.00	617856	174.00	21896	274.00	90008	383.00	9374
78.00	42632	175.00	44096	275.00	455616	384.00	2311
79.00	38888	176.00	10965	276.00	62856	385.00	1201
80.00	31304	177.00	17320	277.00	43392	388.00	216
81.00	48480	178.00	6226	278.00	7973	390.00	4899
82.00	12334	179.00	73624	279.00	1187	391.00	3515
83.00	10293	180.00	54864	280.00	249	392.00	2033
84.00	1603	181.00	26936	282.00	1492	395.00	462
85.00	10335	182.00	5632	283.00	4396	396.00	321
86.00	13829	183.00	2771	284.00	3676	397.00	678
87.00	7193	184.00	6167	285.00	8176	398.00	240
88.00	2160	185.00	37296	286.00	1970	399.00	419
89.00	703	186.00	279360	287.00	368	401.00	1982
90.00	530	187.00	77632	288.00	327	402.00	15311
91.00	10205	188.00	8077	289.00	1820	403.00	18296
92.00	12068	189.00	23120	290.00	2119	404.00	5749
93.00	91992	190.00	2961	291.00	2046	405.00	1069
94.00	5483	191.00	7503	292.00	2762	408.00	193
95.00	373	192.00	22992	293.00	11287	409.00	804
96.00	4183	193.00	27648	294.00	3207	410.00	453
97.00	765	194.00	7764	295.00	2893	411.00	210
98.00	67208	195.00	1669	296.00	162368	413.00	675
99.00	55120	196.00	53944	297.00	22536	414.00	290
100.00	3634	198.00	1756672	298.00	1393	415.00	779
101.00	27760	199.00	122216	299.00	491	416.00	1185
102.00	1707	200.00	11254	300.00	236	417.00	705
103.00	8749	201.00	8780	301.00	1891	418.00	1080
104.00	19784	203.00	17072	302.00	3754	420.00	1614
105.00	19320	204.00	77520	303.00	19248	420.00	603

Report Date: 18-Mar-2022 11:30:41 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A03.D\8270 TAC051.rslt\spectra.d
Injection Date: 18-Mar-2022 09:59:30
Spectrum: Tune Spec :Average 1138-1140(8.37-8.38) Bgrd 1134(8.35)
Base Peak: 441.90
Minimum % Base Peak: 0
Number of Points: 384

m/z	Y	m/z	Y	m/z	Y	m/z	Y
106.00	6032	205.00	120352	304.00	5500	421.00	19352
107.00	271424	206.00	467648	305.00	1555	422.00	17992
108.00	41480	207.00	62672	306.00	234	423.00	120616
109.00	1212	208.00	16370	307.00	386	424.00	22552
110.00	456064	209.00	6250	308.00	2400	425.00	3572
111.00	67664	210.00	6962	309.00	2084	427.00	1425
112.00	9232	211.00	23080	310.00	1657	427.00	2671
113.00	3786	212.00	3209	311.00	362	428.00	2378
114.00	1301	213.00	1681	312.00	1047	429.00	624
115.00	1994	214.00	513	313.00	1832	430.00	3846
116.00	16219	215.00	6206	314.00	8651	431.00	3642
117.00	255296	216.00	12470	315.00	19600	432.00	2651
118.00	19408	217.00	132480	316.00	9707	433.00	2215
119.00	2720	218.00	17504	317.00	2398	434.00	5726
120.00	3991	219.00	2676	320.00	1084	435.00	5301
121.00	1442	220.00	686	321.00	5240	436.00	7522
122.00	18088	221.00	74480	322.00	2553	437.00	6656
123.00	27344	222.00	2722	323.00	49952	438.00	9689
124.00	13600	223.00	28320	324.00	9260	439.00	11238
125.00	13444	224.00	268928	325.00	972	440.00	4717
127.00	1012544	225.00	64440	326.00	1375	441.00	300096
128.00	79504	226.00	7010	327.00	8356	442.00	1936896
129.00	427648	227.00	133248	328.00	5077	443.00	370560
130.00	36432	228.00	15624	329.00	917	444.00	32392
131.00	6077	229.00	22664	330.00	537	445.00	2985
132.00	2773	230.00	3275	331.00	591	448.00	169
133.00	181	231.00	10371	332.00	4348	462.00	193
134.00	11678	232.00	1655	333.00	6354	485.00	244
135.00	33784	233.00	1618	334.00	36344	494.00	234

Report Date: 18-Mar-2022 11:30:41 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A03.D

Injection Date: 18-Mar-2022 09:59:30 Instrument ID: TAC051

Lims ID: dftpp

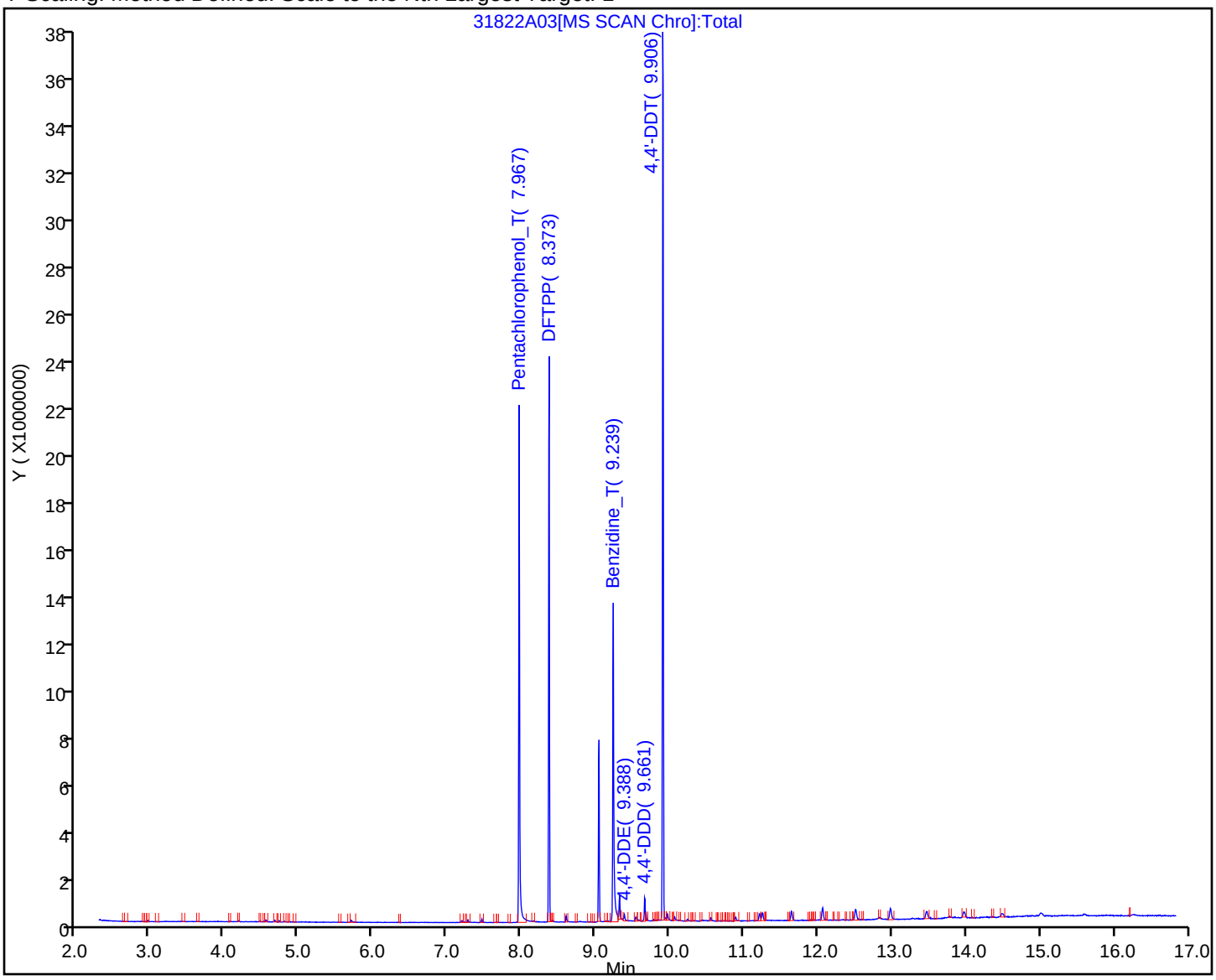
Client ID:

Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Breakdown Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A03.D
Injection Date: 18-Mar-2022 09:59:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

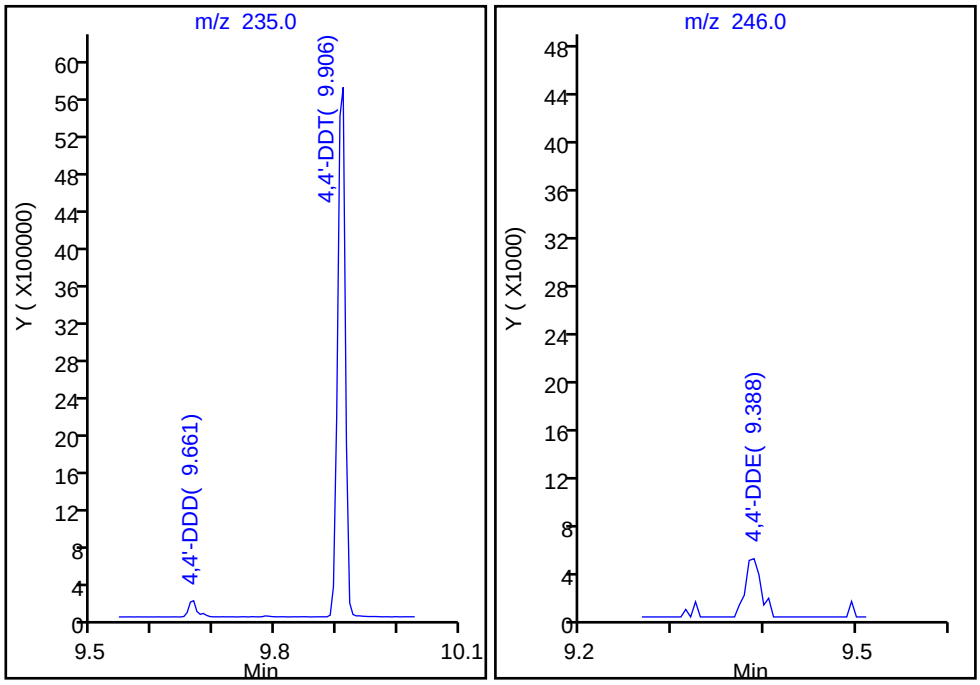
95 4,4'-DDT, Detector: MS SCAN

SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

95 4,4'-DDT, Area = 4956951
90 4,4'-DDE, Area = 5928
93 4,4'-DDD, Area = 169506

%Breakdown: 3.42%, <= 20.00%
Passed



Peak Tailing Report

Eurofins Seattle

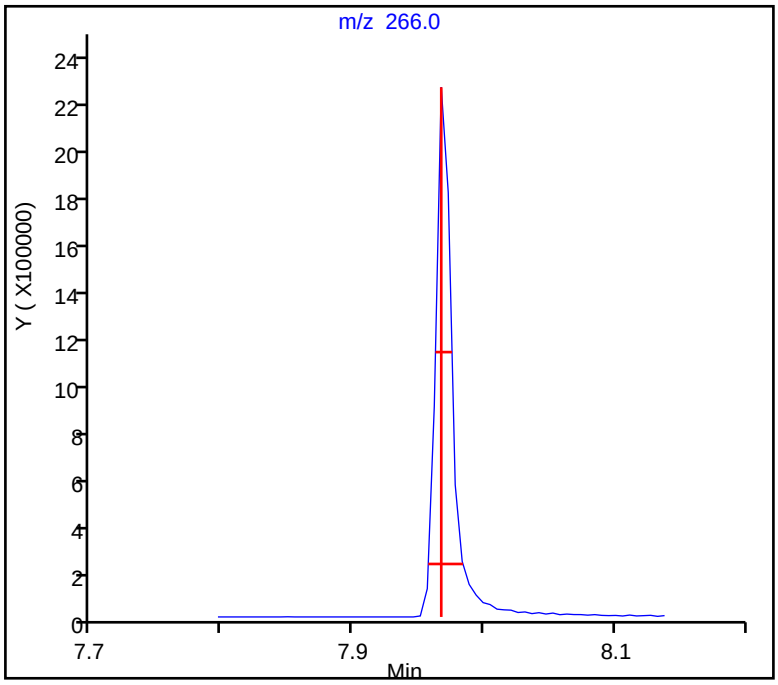
Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A03.D
Injection Date: 18-Mar-2022 09:59:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

123 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.017 (min.)
Front Width = 0.010 (min.)

Tailing Factor = 1.70, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Seattle

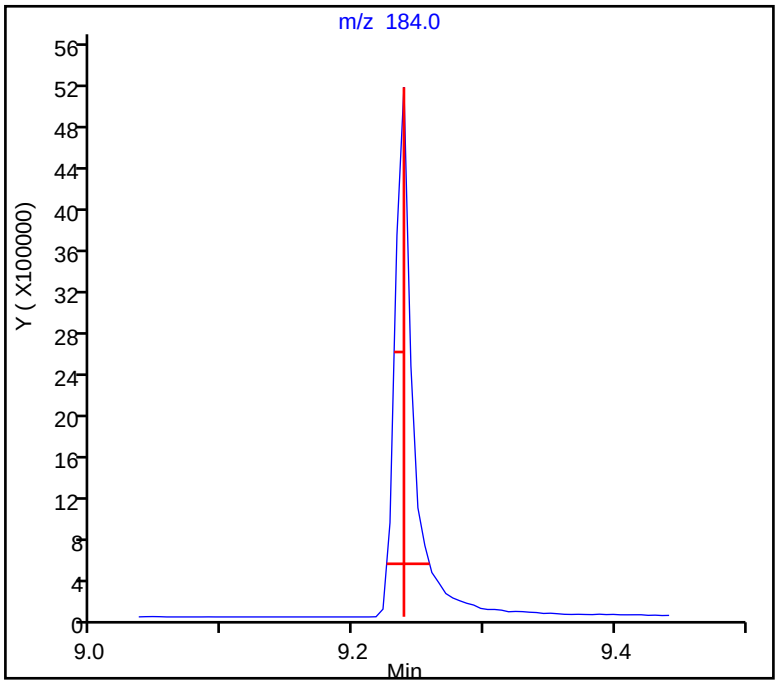
Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A03.D
Injection Date: 18-Mar-2022 09:59:30 Instrument ID: TAC051
Lims ID: dftpp
Client ID:
Operator ID: TL ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

125 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.020 (min.)
Front Width = 0.013 (min.)

Tailing Factor = 1.54, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 580-383033/1-A

Matrix: Water | Lab File ID: 30722A20.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1000(mL) | Date Analyzed: 03/07/2022 17:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383057 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.30	U	0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	0.15	U	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.090	U	0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	0.090	U	0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	0.30	U	0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	0.30	U	0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	0.50	U	1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	0.50	U	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	3.2	U	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	0.30	U	1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	0.30	U	0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	0.15	U	1.0	0.15	0.070
95-57-8	2-Chlorophenol	0.15	U	1.0	0.15	0.050
88-75-5	2-Nitrophenol	0.15	U	1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	0.60	U	1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	1.2	U	2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	0.15	U	0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	0.30	U	0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	0.15	U	0.60	0.15	0.050
103-33-3	Azobenzene	0.15	U	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	0.15	U	0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	0.090	U	0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	1.6	U	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	0.60	U	4.0	0.60	0.27
84-66-2	Diethyl phthalate	0.30	U	1.0	0.30	0.15
131-11-3	Dimethyl phthalate	0.15	U	0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	0.50	U	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	0.30	U M	1.0	0.30	0.13
118-74-1	Hexachlorobenzene	0.090	U	0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	0.15	U	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.30	U	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.15	U	1.0	0.15	0.050
78-59-1	Isophorone	0.30	U	0.40	0.30	0.10
15831-10-4	m+p-Cresol	0.30	U	0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 580-383033/1-A

Matrix: Water | Lab File ID: 30722A20.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1000(mL) | Date Analyzed: 03/07/2022 17:38

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383057 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	0.090	U	1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	0.60	U	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	0.090	U	0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	0.15	U	1.0	0.15	0.070
95-48-7	o-Cresol	0.15	U	0.60	0.15	0.050
87-86-5	Pentachlorophenol	1.0	U	10	1.0	0.51
108-95-2	Phenol	0.60	U	1.0	0.60	0.36
129-00-0	Pyrene	0.090	U	1.0	0.090	0.040
110-86-1	Pyridine	3.2	U	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	79		43-140
321-60-8	2-Fluorobiphenyl	64		44-119
367-12-4	2-Fluorophenol (Surr)	59	M	19-119
4165-60-0	Nitrobenzene-d5 (Surr)	70		44-120
4165-62-2	Phenol-d5 (Surr)	39	M	10-120
1718-51-0	Terphenyl-d14	103		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A20.D
Lims ID: MB 580-383033/1-A
Client ID:
Sample Type: MB
Inject. Date: 07-Mar-2022 17:38:30 ALS Bottle#: 19 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: mb 580-383033/1-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 08-Mar-2022 10:18:34 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 10:18:34

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.463	4.467	-0.004	80	14408	100.0	100.0	
* 2 Naphthalene-d8	136	5.478	5.482	-0.004	94	62928	100.0	100.0	
* 3 Acenaphthene-d10	164	6.904	6.908	-0.004	73	33327	100.0	100.0	
* 4 Phenanthrene-d10	188	8.122	8.121	0.001	88	57864	100.0	100.0	
* 5 Chrysene-d12	240	10.323	10.322	0.001	82	47242	100.0	100.0	
* 6 Perylene-d12	264	11.846	11.850	-0.004	79	59616	100.0	100.0	
$ 7 2-Fluorophenol	112	3.507	3.507	-0.004	82	78077	1000.0	585.6	M
$ 8 Phenol-d5	99	4.260	4.260	0.001	96	57808	1000.0	388.5	M
$ 9 Nitrobenzene-d5	82	4.906	4.906	-0.004	86	104561	1000.0	698.1	
$ 10 2-methylnaphthalene-d10	152	6.034	6.027	0.002	0	229877	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.365	6.359	0.002	98	282087	1000.0	636.6	
$ 12 2,4,6-Tribromophenol	330	7.567	7.567	0.002	79	60875	1000.0	786.1	
$ 13 Fluoranthene-d10 (Surr)	212	9.100	9.099	0.001	0	491846	NC	NC	
$ 14 Terphenyl-d14	244	9.442	9.446	-0.004	82	446027	1000.0	1029.2	
15 1,4-Dioxane	88	2.470	2.475	-0.005	1	1019		NC	
30 Acetophenone	105	4.794	4.793	0.001	28	3266		17.9	
24 Cyclohexanone	55	6.498	6.496	0.002	9	857		NC	
57 Dimethyl phthalate	163	6.712	6.706	0.001	4	6454		13.1	
68 Diethyl phthalate	149	7.284	7.283	-0.004	52	8969		20.8	
84 Di-n-butyl phthalate	149	8.630	8.629	0.002	73	43822		49.6	
94 Butyl benzyl phthalate	149	9.859	9.858	0.002	71	21929		70.9	
98 Bis(2-ethylhexyl) phthalate	149	10.371	10.376	-0.004	84	35921		82.9	
86 2,3-Dichlorobenzenamine	161	11.408	11.416	-0.008	1	183		NC	
91 Nonylphenol	135	11.824	11.848	-0.024	0	567		NC	

QC Flag Legend

Processing Flags
NC - Not Calibrated

Review Flags
M - Manually Integrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:18:35 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A20.D

Injection Date: 07-Mar-2022 17:38:30 Instrument ID: TAC051

Lims ID: MB 580-383033/1-A

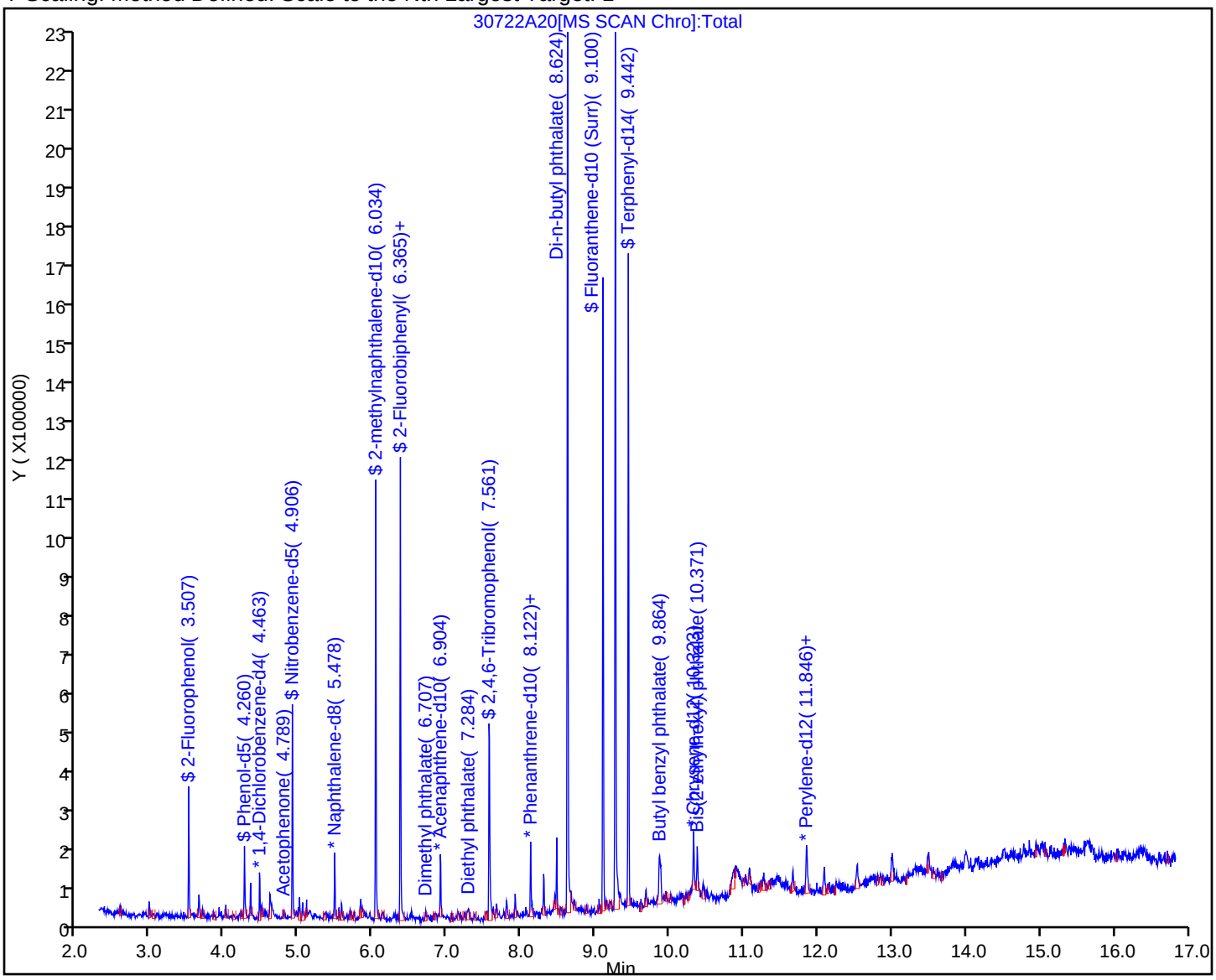
Client ID:

Operator ID: TL ALS Bottle#: 19 Worklist Smp#: 20

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A20.D
Lims ID: MB 580-383033/1-A
Client ID:
Sample Type: MB
Inject. Date: 07-Mar-2022 17:38:30 ALS Bottle#: 19 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: mb 580-383033/1-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 08-Mar-2022 10:18:34 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 10:18:34

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	585.6	58.56
$ 8 Phenol-d5	1000.0	388.5	38.85
$ 9 Nitrobenzene-d5	1000.0	698.1	69.81
$ 11 2-Fluorobiphenyl	1000.0	636.6	63.66
$ 12 2,4,6-Tribromophenol	1000.0	786.1	78.61
$ 14 Terphenyl-d14	1000.0	1029.2	102.92

Manual Integration/User Assign Peak Report

Eurofins Seattle

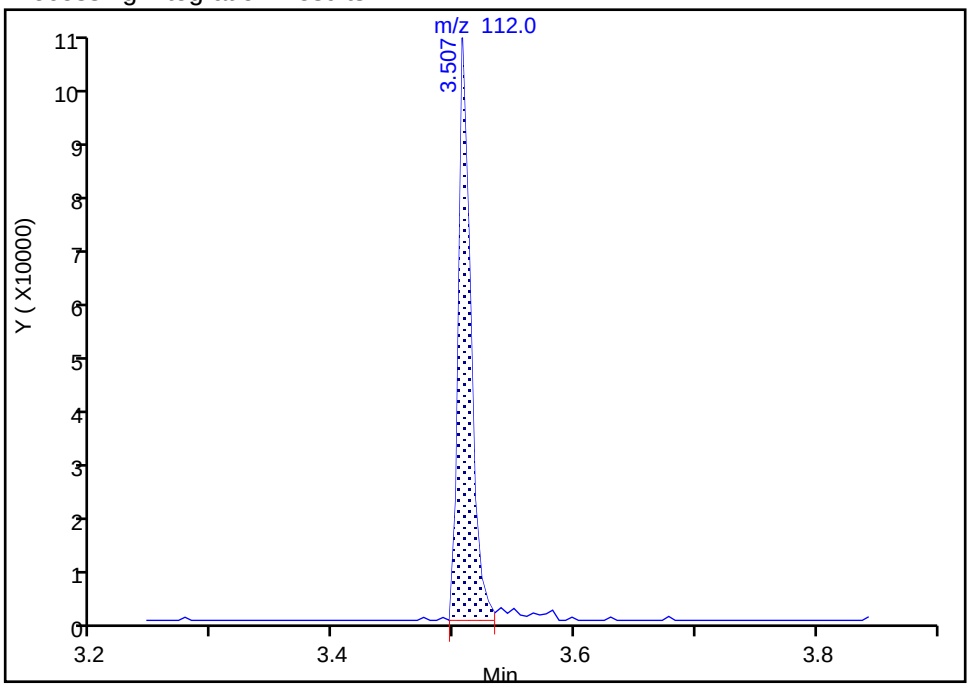
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A20.D
Injection Date: 07-Mar-2022 17:38:30 Instrument ID: TAC051
Lims ID: MB 580-383033/1-A
Client ID:
Operator ID: TL ALS Bottle#: 19 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

$ 7 2-Fluorophenol, CAS: 367-12-4

Signal: 1

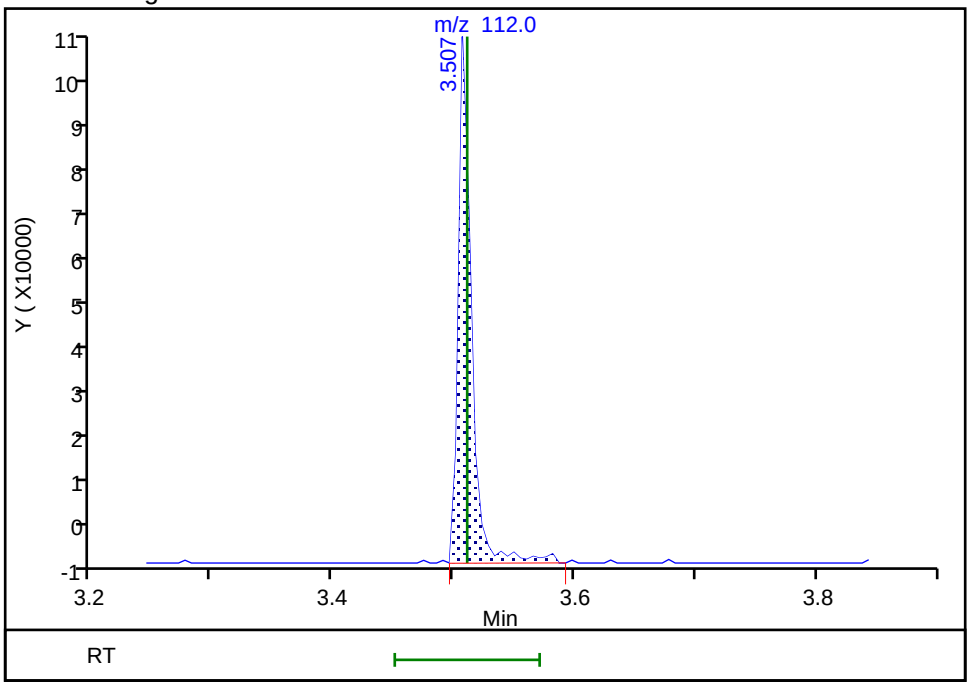
Processing Integration Results

RT: 3.51
Area: 73962
Amount: 554.9706
Amount Units: ug/L



Manual Integration Results

RT: 3.51
Area: 78077
Amount: 585.5833
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 10:17:47
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

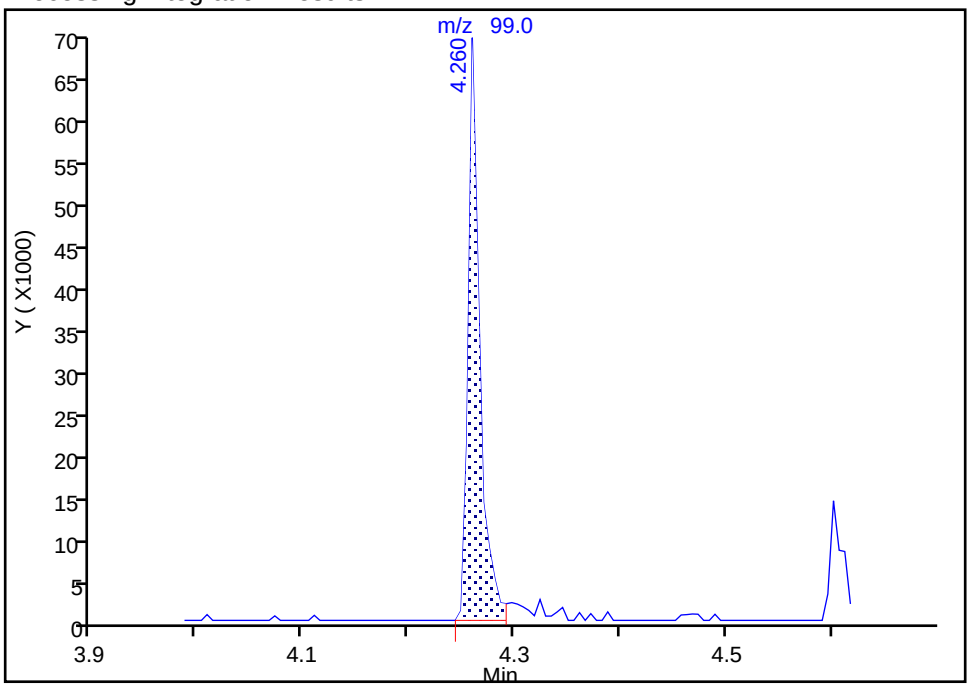
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A20.D
Injection Date: 07-Mar-2022 17:38:30 Instrument ID: TAC051
Lims ID: MB 580-383033/1-A
Client ID:
Operator ID: TL ALS Bottle#: 19 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

$ 8 Phenol-d5, CAS: 4165-62-2

Signal: 1

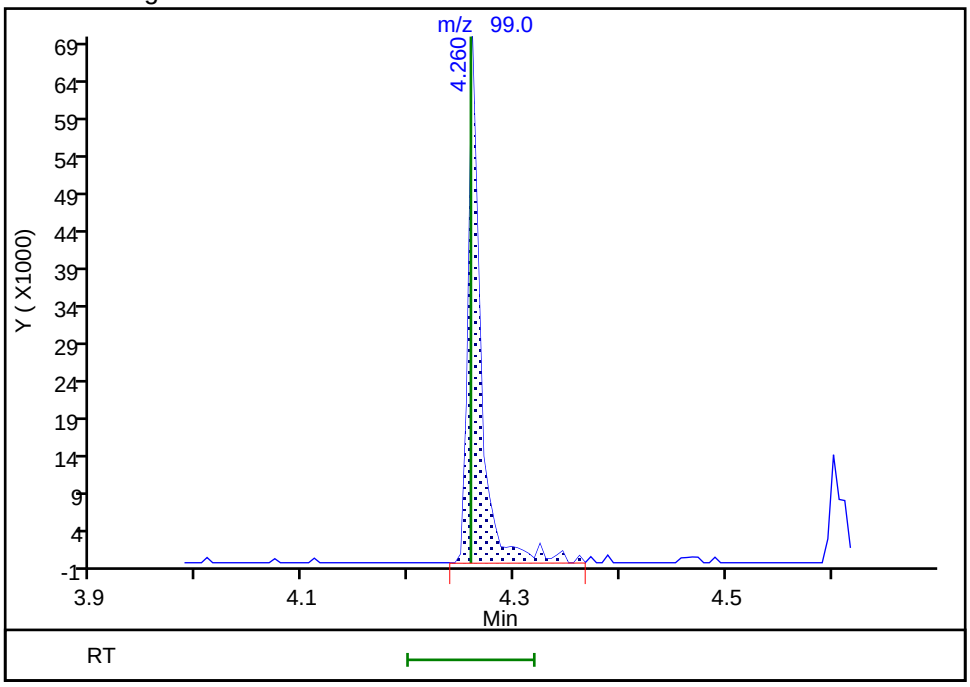
Processing Integration Results

RT: 4.26
Area: 52777
Amount: 357.8816
Amount Units: ug/L



Manual Integration Results

RT: 4.26
Area: 57808
Amount: 388.4921
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 10:17:54
Audit Action: Manually Integrated Audit Reason: Assign Peak

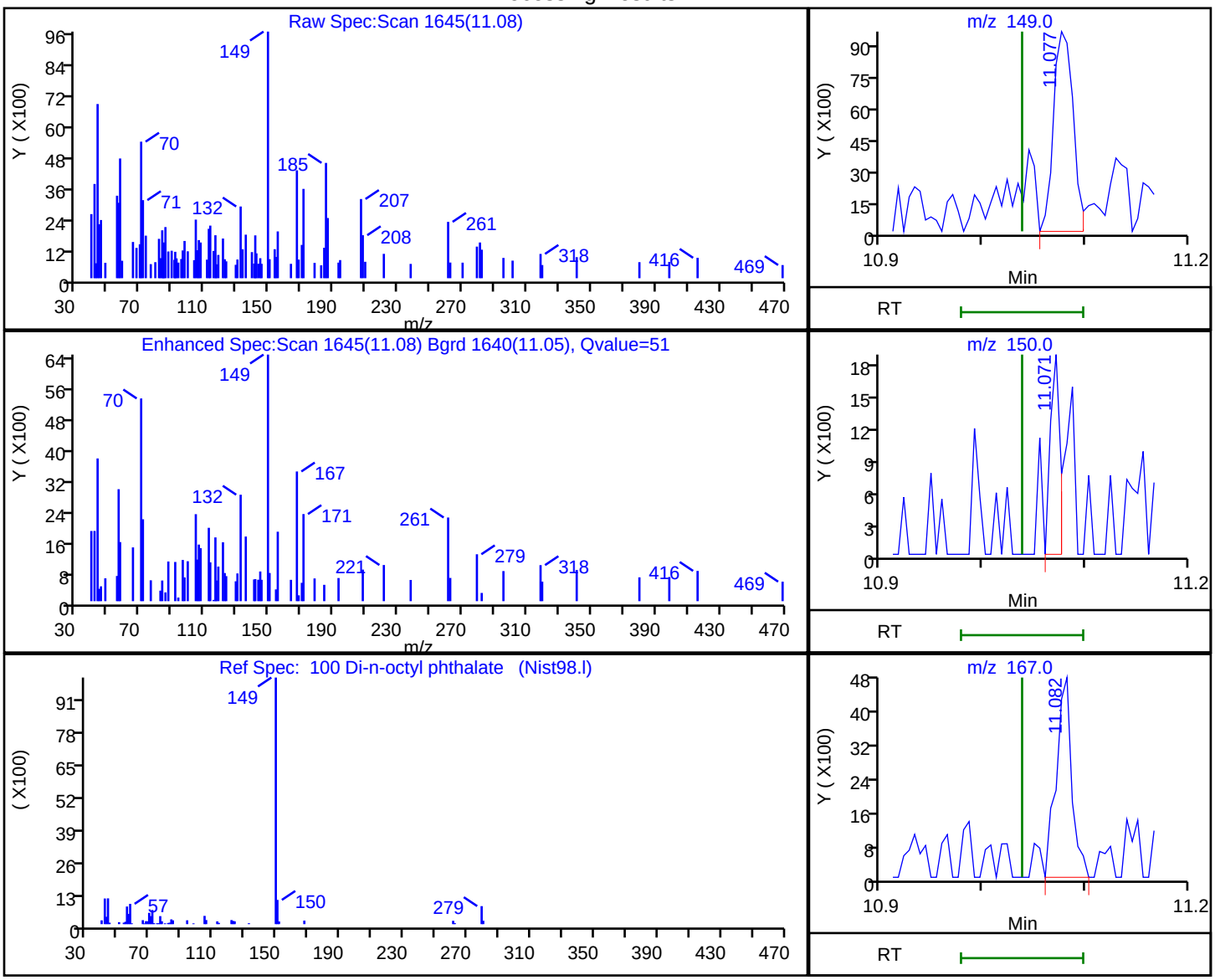
User Disabled Compound Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A20.D
Injection Date: 07-Mar-2022 17:38:30 Instrument ID: TAC051
Lims ID: MB 580-383033/1-A
Client ID:
Operator ID: TL ALS Bottle#: 19 Worklist Smp#: 20
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

100 Di-n-octyl phthalate, CAS: 117-84-0

Processing Results



RT	Mass	Response	Amount
11.08	149.00	12880	16.318141
11.07	150.00	1221	
11.08	167.00	5017	

Reviewer: limmere, 08-Mar-2022 10:18:27
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 580-383033/1-A RA

Matrix: Water | Lab File ID: 31822A07.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1000(mL) | Date Analyzed: 03/18/2022 11:46

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384307 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
100-02-7	4-Nitrophenol	6.0	U	10	6.0	1.7
108-60-1	bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.15	0.060

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A07.D
Lims ID: MB 580-383033/1-A
Client ID:
Sample Type: MB
Inject. Date: 18-Mar-2022 11:46:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: mb 580-383033/1-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:22:31 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:22:31

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.451	4.454	-0.003	85	28804	100.0	100.0	
* 2 Naphthalene-d8	136	5.466	5.469	-0.003	96	125872	100.0	100.0	
* 3 Acenaphthene-d10	164	6.898	6.895	0.003	84	53722	100.0	100.0	
* 4 Phenanthrene-d10	188	8.110	8.108	0.002	92	100267	100.0	100.0	
* 5 Chrysene-d12	240	10.311	10.309	0.002	86	67068	100.0	100.0	
* 6 Perylene-d12	264	11.834	11.831	0.003	79	84912	100.0	100.0	
$ 7 2-Fluorophenol	112	3.473	3.471	0.002	81	144182	1000.0	541.3	
$ 8 Phenol-d5	99	4.221	4.224	-0.003	95	96817	1000.0	325.2	
$ 9 Nitrobenzene-d5	82	4.894	4.897	-0.003	86	211178	1000.0	704.8	
$ 10 2-methylnaphthalene-d10	152	6.022	6.019	0.003	0	465324	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.353	6.356	-0.003	98	560745	1000.0	785.0	
$ 12 2,4,6-Tribromophenol	330	7.555	7.547	0.008	86	93863	1000.0	703.8	
$ 13 Fluoranthene-d10 (Surr)	212	9.088	9.085	0.003	0	888999	NC	NC	
$ 14 Terphenyl-d14	244	9.430	9.433	-0.003	96	766656	1000.0	1020.9	
15 1,4-Dioxane	88	2.330	2.328	0.002	1	2105		NC	
19 Phenol	94	4.232	4.229	0.003	17	1423		4.92	
22 n-Decane	57	4.333	4.331	0.002	82	25289		111.2	
26 Benzyl alcohol	79	4.590	4.582	0.008	1	1998		18.6	
30 Acetophenone	105	4.782	4.780	0.002	58	7000		19.2	
34 Nitrobenzene	77	4.900	4.913	-0.013	1	2150		17.5	
46 4-Chloro-3-methylphenol	107	6.016	5.976	0.040	7	393		39.3	
47 2-Methylnaphthalene	142	6.016	6.046	-0.030	1	1412		1.72	
24 Cyclohexanone	55	6.465	6.496	-0.031	1	1512		NC	
58 1,3-Dinitrobenzene	168	6.721	6.724	-0.003	1	422		122.3	
68 Diethyl phthalate	149	7.277	7.274	0.003	87	32517		46.7	
74 Azobenzene	77	7.491	7.483	0.008	1	899		5.44	
79 n-Octadecane	57	8.046	8.049	-0.003	31	5185		17.8	
83 Carbazole	167	8.271	8.321	-0.050	1	394		4.73	
84 Di-n-butyl phthalate	149	8.618	8.615	0.003	89	80456		52.7	
85 Fluoranthene	202	9.093	9.101	-0.008	7	3331		3.28	
88 Benzidine	184	9.248	9.240	0.008	43	993		90.5	
94 Butyl benzyl phthalate	149	9.846	9.844	0.002	77	31977		72.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
98 Bis(2-ethylhexyl) phthalate	149	10.359	10.362	-0.003	84	56647		92.1	
100 Di-n-octyl phthalate	149	11.064	11.019	0.045	63	13197		11.7	
86 2,3-Dichlorobenzenamine	161	11.438	11.416	0.022	1	472		NC	
91 Nonylphenol	135	11.828	11.848	-0.020	0	432		NC	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 18-Mar-2022 20:22:32 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A07.D

Injection Date: 18-Mar-2022 11:46:30 Instrument ID: TAC051

Lims ID: MB 580-383033/1-A

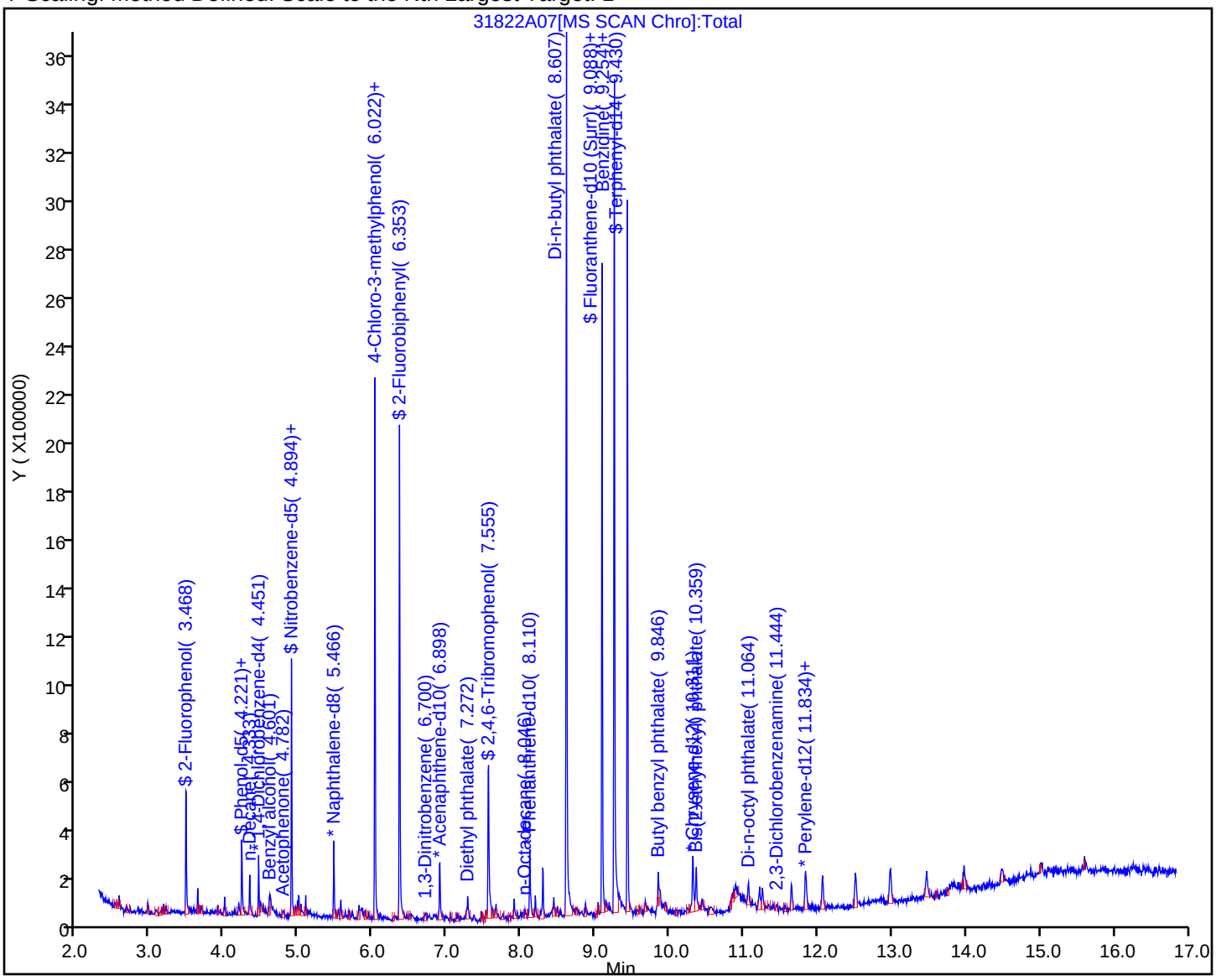
Client ID:

Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A07.D
Lims ID: MB 580-383033/1-A
Client ID:
Sample Type: MB
Inject. Date: 18-Mar-2022 11:46:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: mb 580-383033/1-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:22:31 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:22:31

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	541.3	54.13
$ 8 Phenol-d5	1000.0	325.2	32.52
$ 9 Nitrobenzene-d5	1000.0	704.8	70.48
$ 11 2-Fluorobiphenyl	1000.0	785.0	78.50
$ 12 2,4,6-Tribromophenol	1000.0	703.8	70.38
$ 14 Terphenyl-d14	1000.0	1020.9	102.09

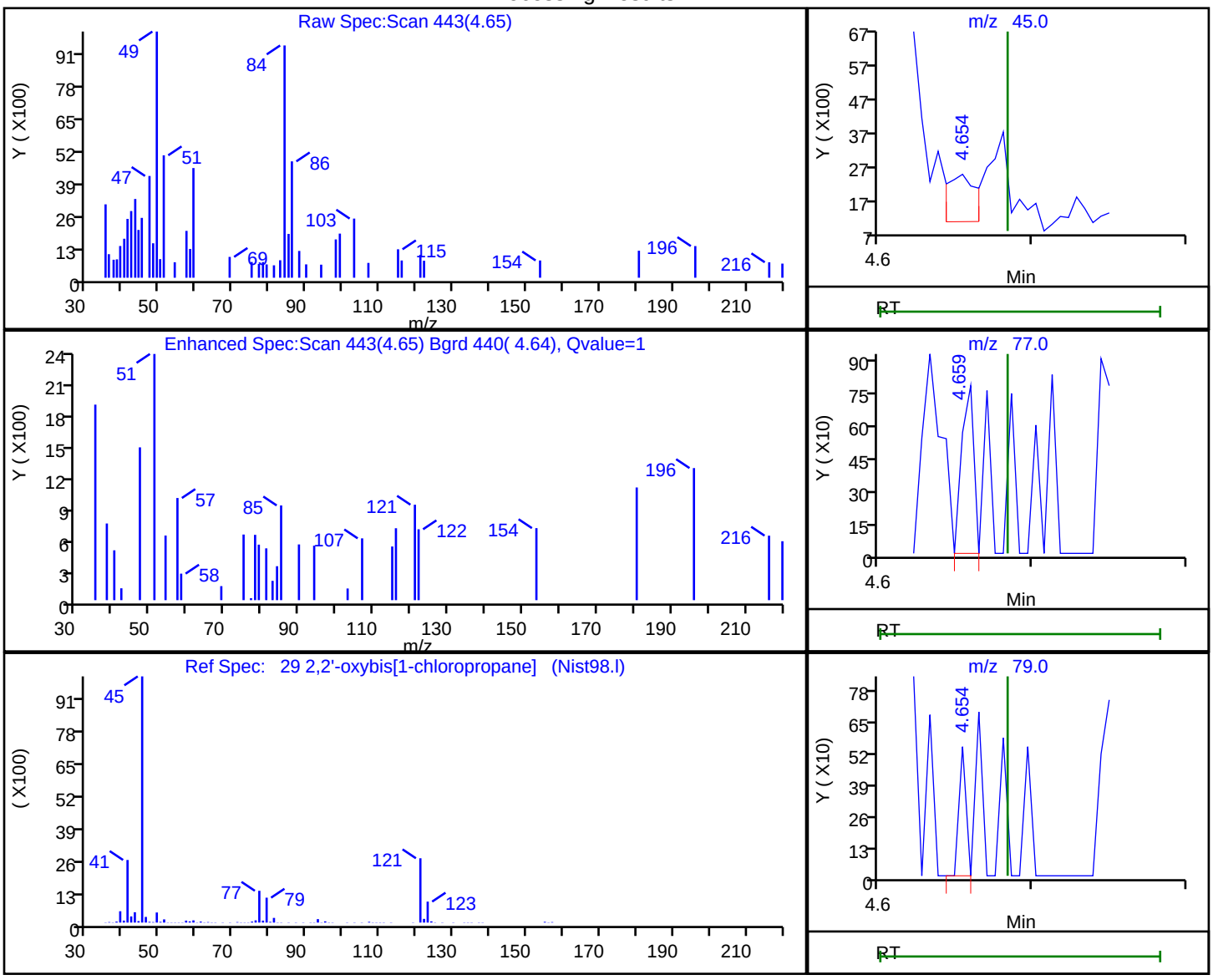
User Disabled Compound Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A07.D
Injection Date: 18-Mar-2022 11:46:30 Instrument ID: TAC051
Lims ID: MB 580-383033/1-A
Client ID:
Operator ID: TL ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

29 2,2'-oxybis[1-chloropropane], CAS: 108-60-1

Processing Results



RT	Mass	Response	Amount
4.65	45.00	1865	6.672560
4.66	77.00	429	
4.65	79.00	173	

Reviewer: boylea, 18-Mar-2022 20:22:04
Audit Action: Marked Compound Undetected Audit Reason: Invalid Compound ID

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 580-383033/2-A

Matrix: Water | Lab File ID: 30722A21.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1000(mL) | Date Analyzed: 03/07/2022 18:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383057 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	1.35		0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	1.45		0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	1.57		0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	1.47		0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	1.61		0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	1.63		0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	1.50		1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	1.75	J	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	2.60	J M	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	1.84		1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	1.66		0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	1.45		1.0	0.15	0.070
95-57-8	2-Chlorophenol	1.68		1.0	0.15	0.050
88-75-5	2-Nitrophenol	1.60		1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	3.89		1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	2.82		2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	1.75		0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	1.64		0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	1.67		0.60	0.15	0.050
103-33-3	Azobenzene	1.65	J	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	1.64		0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	1.57		0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	2.18	J	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	1.87	J	4.0	0.60	0.27
84-66-2	Diethyl phthalate	1.84		1.0	0.30	0.15
131-11-3	Dimethyl phthalate	1.91		0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	1.84	J	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	1.97		1.0	0.30	0.13
118-74-1	Hexachlorobenzene	1.88		0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	1.39		1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	1.09		1.0	0.30	0.14
67-72-1	Hexachloroethane	1.43		1.0	0.15	0.050
78-59-1	Isophorone	1.72		0.40	0.30	0.10
15831-10-4	m+p-Cresol	1.36		0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 580-383033/2-A

Matrix: Water | Lab File ID: 30722A21.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1000(mL) | Date Analyzed: 03/07/2022 18:01

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383057 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	1.65		1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	1.12	J	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	1.63		0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	1.84		1.0	0.15	0.070
95-48-7	o-Cresol	1.58		0.60	0.15	0.050
87-86-5	Pentachlorophenol	2.73	J	10	1.0	0.51
108-95-2	Phenol	0.911	J M	1.0	0.60	0.36
129-00-0	Pyrene	1.68		1.0	0.090	0.040
110-86-1	Pyridine	3.2	U	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	100		43-140
321-60-8	2-Fluorobiphenyl	67		44-119
367-12-4	2-Fluorophenol (Surr)	55	M	19-119
4165-60-0	Nitrobenzene-d5 (Surr)	72		44-120
4165-62-2	Phenol-d5 (Surr)	33		10-120
1718-51-0	Terphenyl-d14	104		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A21.D
Lims ID: LCS 580-383033/2-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Mar-2022 18:01:30 ALS Bottle#: 20 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: lcs 580-383033/2-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 08-Mar-2022 10:22:19 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 10:22:19

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.463	4.467	-0.004	78	15825	100.0	100.0	
* 2 Naphthalene-d8	136	5.478	5.482	-0.004	97	66755	100.0	100.0	
* 3 Acenaphthene-d10	164	6.904	6.908	-0.004	68	35389	100.0	100.0	
* 4 Phenanthrene-d10	188	8.122	8.121	0.001	91	56113	100.0	100.0	
* 5 Chrysene-d12	240	10.318	10.322	-0.004	60	49692	100.0	100.0	
* 6 Perylene-d12	264	11.846	11.850	-0.004	83	62871	100.0	100.0	
$ 7 2-Fluorophenol	112	3.507	3.507	-0.004	82	80460	1000.0	549.7	M
$ 8 Phenol-d5	99	4.260	4.260	0.001	96	53176	1000.0	325.1	
$ 9 Nitrobenzene-d5	82	4.906	4.906	-0.004	88	114934	1000.0	723.3	
$ 10 2-methylnaphthalene-d10	152	6.034	6.027	0.002	0	259199	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.365	6.359	0.002	98	317584	1000.0	674.9	
$ 12 2,4,6-Tribromophenol	330	7.561	7.567	-0.004	84	75770	1000.0	997.9	
$ 13 Fluoranthene-d10 (Surr)	212	9.100	9.099	0.001	0	504834	NC	NC	
$ 14 Terphenyl-d14	244	9.442	9.446	-0.004	96	439085	1000.0	1044.8	
16 N-Nitrosodimethylamine	74	2.428	2.424	0.002	71	35798	1000.0	560.5	
17 Pyridine	79	2.444	2.435	0.007	79	54140	2000.0	512.6	
15 1,4-Dioxane	88	2.417	2.475	-0.058	1	1197	NC	NC	
18 Aniline	93	4.223	4.217	0.002	97	136967	1000.0	691.6	
20 Bis(2-chloroethyl)ether	93	4.271	4.265	0.002	95	106996	1000.0	782.8	
19 Phenol	94	4.271	4.271	0.002	66	72403	1000.0	455.5	M
21 2-Chlorophenol	128	4.324	4.319	0.001	90	161371	1000.0	842.4	
22 n-Decane	57	4.345	4.345	0.001	82	87411	1000.0	699.4	
23 1,3-Dichlorobenzene	146	4.420	4.415	0.001	95	179016	1000.0	784.8	
25 1,4-Dichlorobenzene	146	4.479	4.474	0.001	95	182421	1000.0	736.7	
27 1,2-Dichlorobenzene	146	4.596	4.591	0.001	97	168433	1000.0	726.4	
26 Benzyl alcohol	79	4.596	4.601	-0.005	48	68432	1000.0	707.6	
29 2,2'-oxybis[1-chloropropane]	45	4.693	4.697	-0.004	62	94954	1000.0	618.4	
28 2-Methylphenol	108	4.719	4.714	0.001	84	105132	1000.0	791.5	
30 Acetophenone	105	4.789	4.793	-0.004	94	185178	1000.0	924.1	
31 N-Nitrosodi-n-propylamine	70	4.794	4.794	-0.004	79	64162	1000.0	813.6	
32 3 & 4 Methylphenol	108	4.848	4.847	-0.004	95	93736	1000.0	679.2	
33 Hexachloroethane	117	4.858	4.858	-0.004	86	64431	1000.0	717.5	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.922	4.923	-0.004	82	110732	1000.0	826.4	
35 Isophorone	82	5.115	5.115	-0.004	94	200207	1000.0	859.6	
36 2-Nitrophenol	139	5.179	5.174	0.002	87	92032	1000.0	801.8	
37 2,4-Dimethylphenol	107	5.254	5.248	0.002	93	137785	1000.0	875.2	
38 Bis(2-chloroethoxy)methane	93	5.302	5.302	-0.004	94	119639	1000.0	818.8	
39 Benzoic acid	105	5.339	5.339	-0.015	62	52478	2000.0	687.1	
40 2,4-Dichlorophenol	162	5.403	5.398	0.001	88	131454	1000.0	748.0	
41 1,2,4-Trichlorobenzene	180	5.435	5.430	0.001	92	137469	1000.0	673.4	
42 Naphthalene	128	5.494	5.494	-0.004	96	474270	1000.0	707.2	
43 4-Chloroaniline	127	5.563	5.558	0.001	72	131258	1000.0	573.0	
44 2,6-Dichlorophenol	162	5.563	5.564	-0.004	93	135234	1000.0	736.2	
45 Hexachlorobutadiene	225	5.595	5.595	-0.005	86	84041	1000.0	693.6	
46 4-Chloro-3-methylphenol	107	6.001	5.995	0.001	84	111496	1000.0	817.5	
47 2-Methylnaphthalene	142	6.060	6.054	0.001	82	307681	1000.0	707.5	
48 1-Methylnaphthalene	142	6.135	6.134	-0.004	90	308436	1000.0	746.7	
49 Hexachlorocyclopentadiene	237	6.183	6.184	-0.004	89	68128	1000.0	545.6	
50 1,2,4,5-Tetrachlorobenzene	216	6.194	6.189	0.002	94	135692	1000.0	725.1	
52 2,4,6-Trichlorophenol	196	6.311	6.306	0.001	85	92042	1000.0	815.9	
53 2,4,5-Trichlorophenol	196	6.365	6.360	0.002	50	102920	1000.0	802.6	
54 1,1'-Biphenyl	154	6.445	6.439	0.001	94	376681	1000.0	733.7	
55 2-Chloronaphthalene	162	6.456	6.450	0.002	95	292745	1000.0	726.0	
56 2-Nitroaniline	138	6.562	6.557	0.001	90	103961	1000.0	927.0	
57 Dimethyl phthalate	163	6.707	6.706	-0.004	99	397174	1000.0	954.5	
58 1,3-Dinitrobenzene	168	6.733	6.727	0.001	64	51392	1000.0	852.4	
59 2,6-Dinitrotoluene	165	6.755	6.755	0.002	70	84779	1000.0	827.9	
60 Acenaphthylene	152	6.792	6.787	0.001	94	478540	1000.0	799.4	
61 3-Nitroaniline	138	6.904	6.899	0.001	83	78040	1000.0	799.4	
62 Acenaphthene	153	6.931	6.931	-0.004	92	319597	1000.0	771.7	
63 2,4-Dinitrophenol	184	6.984	6.984	0.001	85	58952	2000.0	1299.6	a
66 Dibenzofuran	168	7.075	7.075	-0.004	86	425685	1000.0	808.5	
65 2,4-Dinitrotoluene	165	7.081	7.081	-0.004	66	121102	1000.0	919.3	
64 4-Nitrophenol	109	7.123	7.118	0.006	78	43463	2000.0	1413.0	
51 2,3,5,6-Tetrachlorophenol	232	7.161	7.155	0.002	77	78693	1000.0	875.2	
67 2,3,4,6-Tetrachlorophenol	232	7.198	7.193	0.001	68	85709	1000.0	813.4	
68 Diethyl phthalate	149	7.284	7.283	-0.004	96	422445	1000.0	920.9	
69 Fluorene	166	7.358	7.353	0.001	84	350572	1000.0	836.7	
70 4-Chlorophenyl phenyl ether	204	7.369	7.369	0.001	89	160737	1000.0	833.4	
71 4-Nitroaniline	138	7.406	7.406	0.001	84	83564	1000.0	892.9	
72 4,6-Dinitro-2-methylphenol	198	7.412	7.417	-0.004	79	90515	2000.0	1408.9	
73 N-Nitrosodiphenylamine	169	7.471	7.470	0.002	59	274662	1000.0	922.1	
74 Azobenzene	77	7.492	7.496	-0.004	82	255621	1000.0	826.6	
75 4-Bromophenyl phenyl ether	248	7.764	7.770	-0.004	58	108235	1000.0	872.5	
76 Hexachlorobenzene	284	7.802	7.802	0.002	85	136311	1000.0	940.0	
77 Atrazine	200	7.919	7.913	0.001	91	215887	2000.0	1805.2	
78 Pentachlorophenol	266	7.983	7.983	0.001	83	104782	2000.0	1367.2	
79 n-Octadecane	57	8.058	8.063	-0.004	90	122985	1000.0	691.3	
80 Phenanthrene	178	8.138	8.143	-0.004	97	531715	1000.0	838.4	
81 Anthracene	178	8.181	8.186	-0.004	97	518501	1000.0	787.8	
83 Carbazole	167	8.336	8.336	0.001	82	512048	1000.0	1021.3	
84 Di-n-butyl phthalate	149	8.630	8.629	0.002	99	734058	1000.0	921.9	
85 Fluoranthene	202	9.116	9.115	0.001	96	557767	1000.0	825.4	
88 Benzidine	184	9.249	9.255	-0.005	90	66187	2000.0	487.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.298	9.302	-0.004	98	583149	1000.0	840.0	
94 Butyl benzyl phthalate	149	9.858	9.858	0.001	91	335919	1000.0	936.8	
96 3,3'-Dichlorobenzidine	252	10.307	10.312	-0.004	65	390454	2000.0	1946.3	
97 Benzo[a]anthracene	228	10.313	10.312	0.002	97	538530	1000.0	864.5	
99 Chrysene	228	10.345	10.349	-0.004	92	511309	1000.0	772.8	
98 Bis(2-ethylhexyl) phthalate	149	10.371	10.376	-0.004	76	502884	1000.0	1089.1	
100 Di-n-octyl phthalate	149	11.034	11.038	-0.004	97	818811	1000.0	983.7	
101 Benzo[b]fluoranthene	252	11.408	11.413	-0.004	93	592335	1000.0	851.0	
102 Benzofluoranthene	252	11.440	11.460	-0.004	1	1208952	2000.0	1564.8	
103 Benzo[k]fluoranthene	252	11.440	11.445	-0.004	96	652091	1000.0	772.6	
104 Benzo[a]pyrene	252	11.782	11.782	-0.004	72	545253	1000.0	852.0	
105 Indeno[1,2,3-cd]pyrene	276	13.149	13.149	-0.004	99	586171	1000.0	919.7	
106 Dibenz(a,h)anthracene	278	13.187	13.186	-0.004	4	606007	1000.0	883.9	
107 Benzo[g,h,i]perylene	276	13.480	13.480	-0.004	90	621019	1000.0	777.6	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:22:20 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A21.D

Injection Date: 07-Mar-2022 18:01:30 Instrument ID: TAC051

Lims ID: LCS 580-383033/2-A

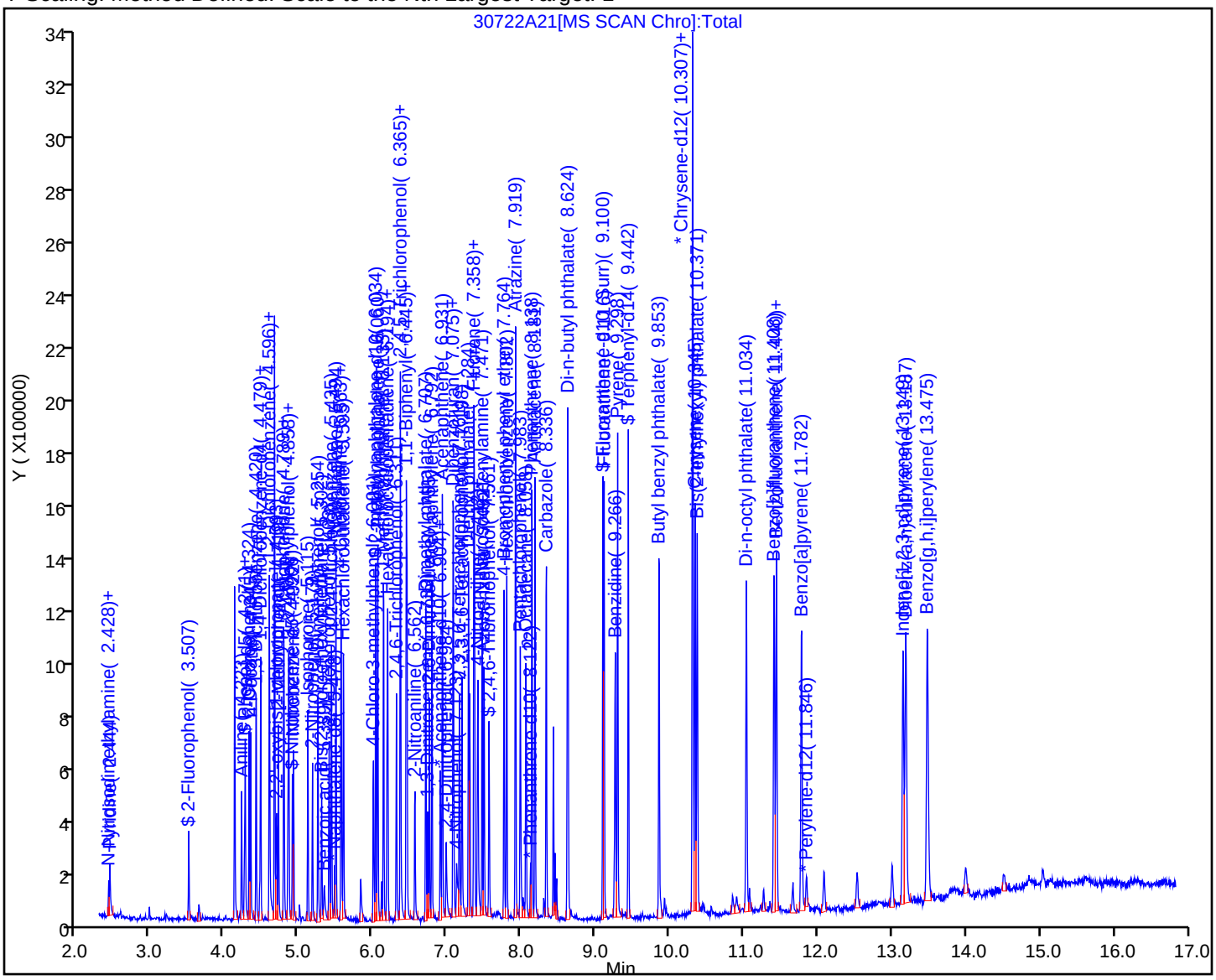
Client ID:

Operator ID: TL ALS Bottle#: 20 Worklist Smp#: 21

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A21.D
Lims ID: LCS 580-383033/2-A
Client ID:
Sample Type: LCS
Inject. Date: 07-Mar-2022 18:01:30 ALS Bottle#: 20 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: lcs 580-383033/2-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 08-Mar-2022 10:22:19 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 10:22:19

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	549.7	54.97
$ 8 Phenol-d5	1000.0	325.1	32.51
$ 9 Nitrobenzene-d5	1000.0	723.3	72.33
$ 11 2-Fluorobiphenyl	1000.0	674.9	67.49
$ 12 2,4,6-Tribromophenol	1000.0	997.9	99.79
$ 14 Terphenyl-d14	1000.0	1044.8	104.48

Manual Integration/User Assign Peak Report

Eurofins Seattle

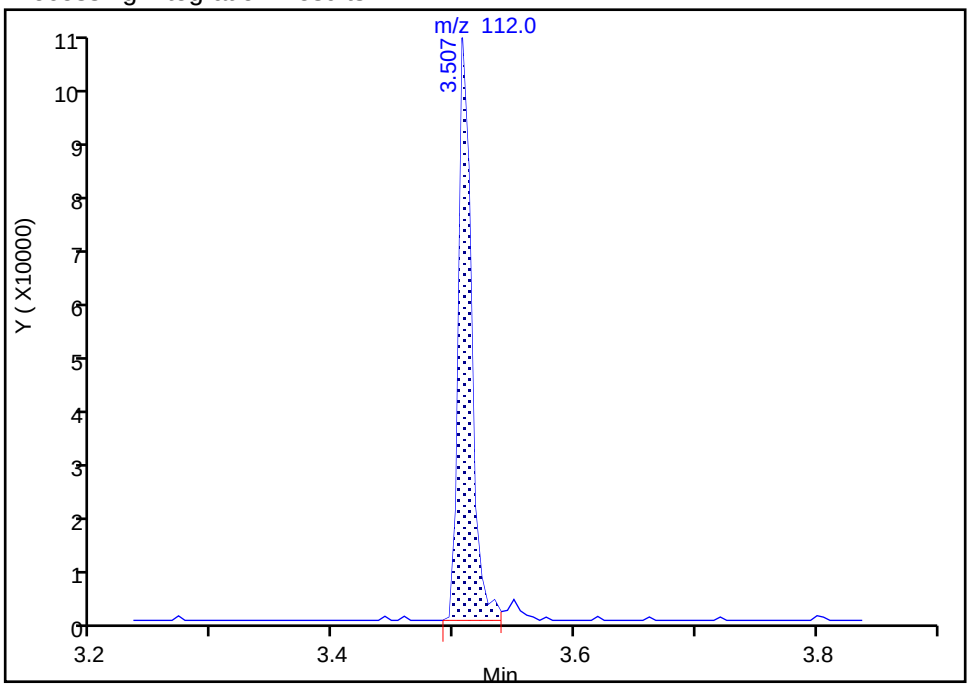
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A21.D
Injection Date: 07-Mar-2022 18:01:30 Instrument ID: TAC051
Lims ID: LCS 580-383033/2-A
Client ID:
Operator ID: TL ALS Bottle#: 20 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

$ 7 2-Fluorophenol, CAS: 367-12-4

Signal: 1

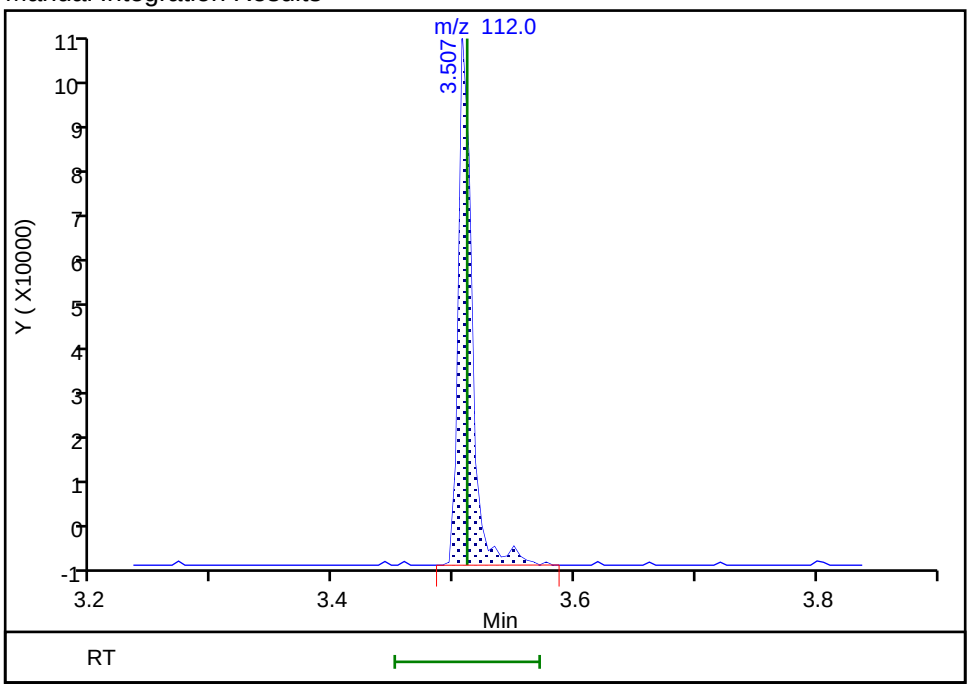
Processing Integration Results

RT: 3.51
Area: 77585
Amount: 530.2416
Amount Units: ug/L



Manual Integration Results

RT: 3.51
Area: 80460
Amount: 549.7145
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 10:21:11
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

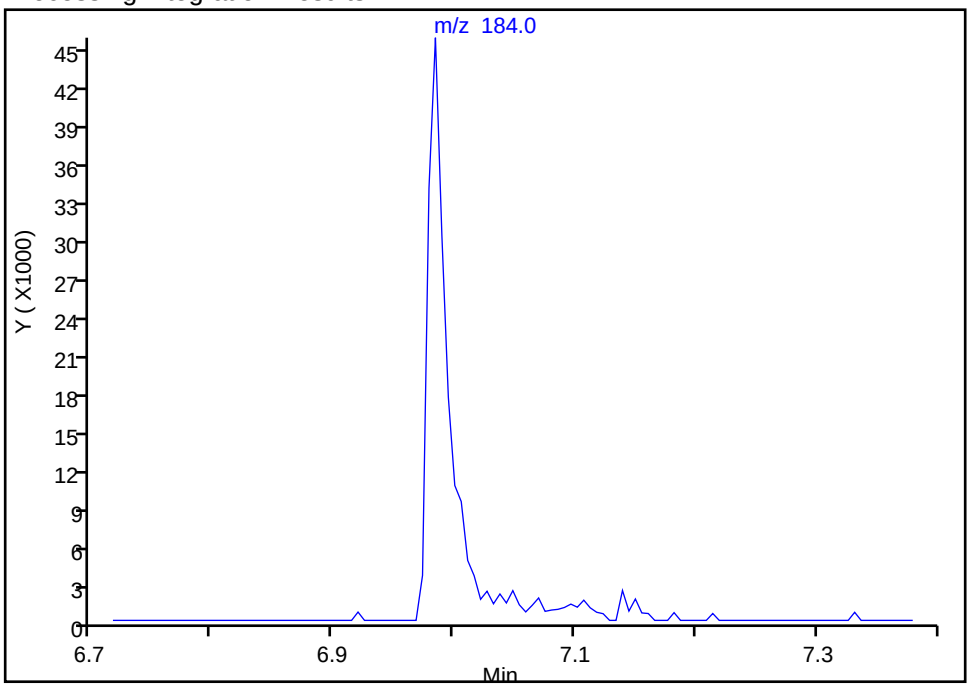
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A21.D
Injection Date: 07-Mar-2022 18:01:30 Instrument ID: TAC051
Lims ID: LCS 580-383033/2-A
Client ID:
Operator ID: TL ALS Bottle#: 20 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

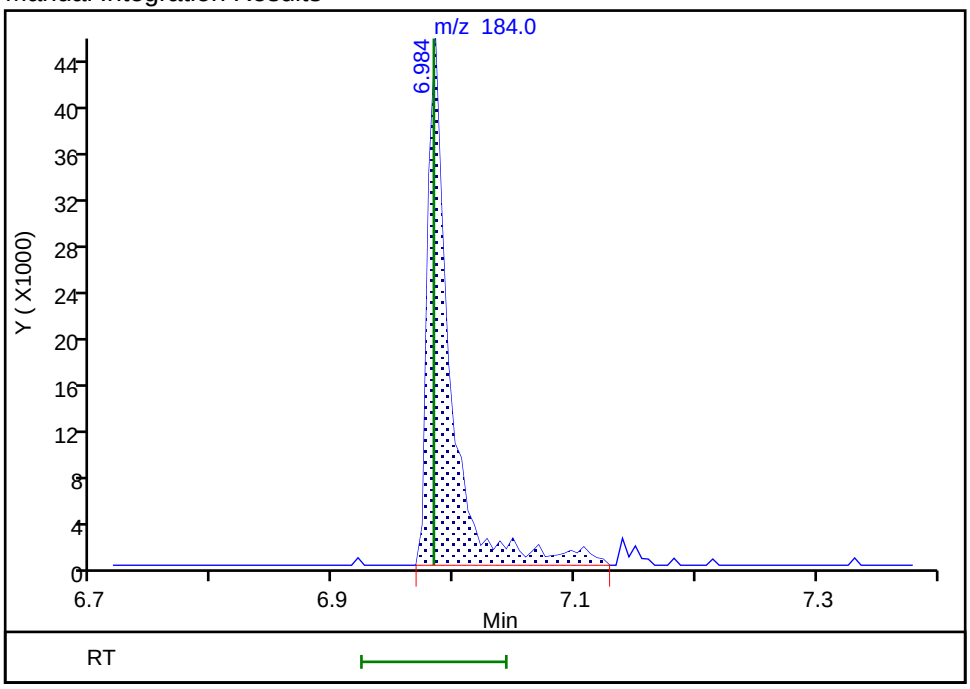
Not Detected
Expected RT: 6.98

Processing Integration Results



Manual Integration Results

RT: 6.98
Area: 58952
Amount: 1299.6334
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 10:21:54
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

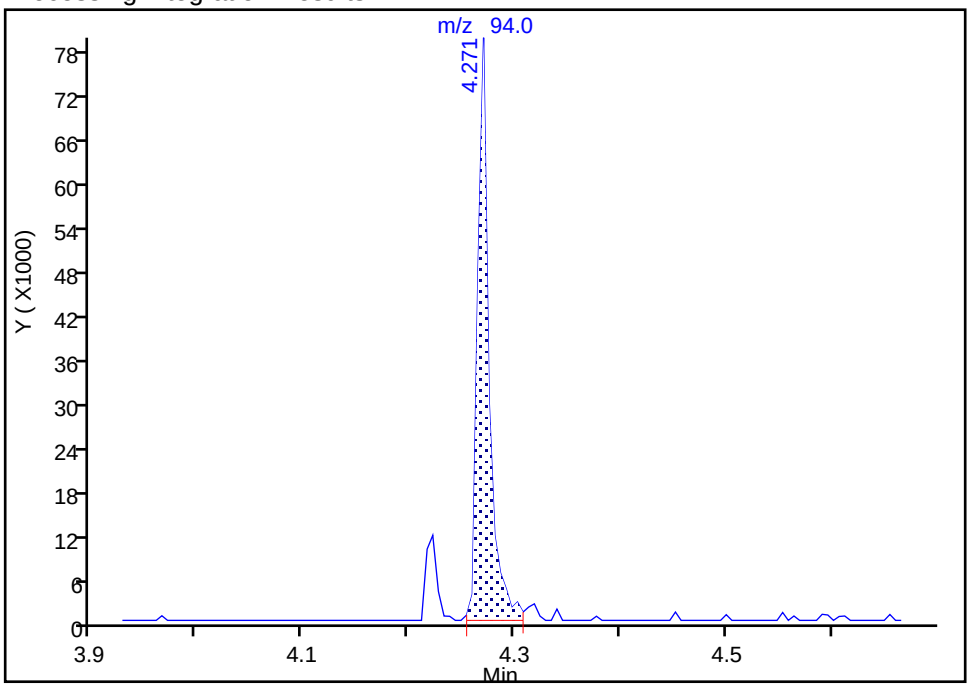
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A21.D
Injection Date: 07-Mar-2022 18:01:30 Instrument ID: TAC051
Lims ID: LCS 580-383033/2-A
Client ID:
Operator ID: TL ALS Bottle#: 20 Worklist Smp#: 21
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

19 Phenol, CAS: 108-95-2

Signal: 1

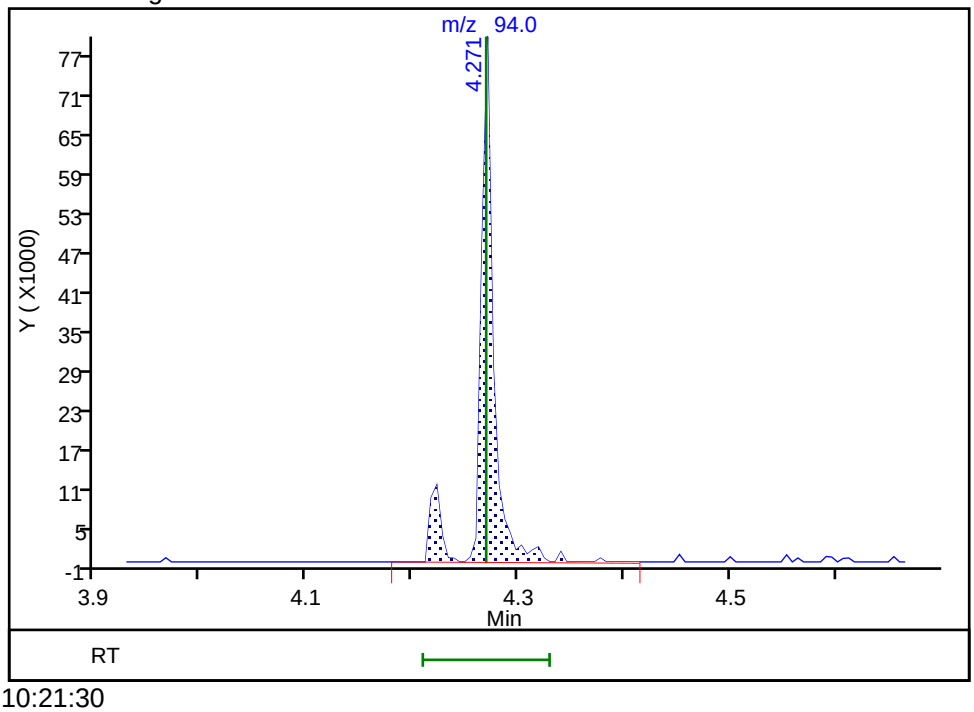
Processing Integration Results

RT: 4.27
Area: 60354
Amount: 379.7236
Amount Units: ug/L



Manual Integration Results

RT: 4.27
Area: 72403
Amount: 455.5312
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 10:21:30
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 580-383033/2-A RA

Matrix: Water | Lab File ID: 31822A10.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1000(mL) | Date Analyzed: 03/18/2022 12:56

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384307 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
100-02-7	4-Nitrophenol	2.45	J	10	6.0	1.7
108-60-1	bis (2-chloroisopropyl) ether	1.47		0.25	0.15	0.060

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A10.D
Lims ID: LCS 580-383033/2-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Mar-2022 12:56:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: lcs 580-383033/2-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:23:51 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:23:51

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.451	4.454	-0.003	87	33414	100.0	100.0	
* 2 Naphthalene-d8	136	5.466	5.469	-0.003	96	124453	100.0	100.0	
* 3 Acenaphthene-d10	164	6.893	6.895	-0.002	89	65944	100.0	100.0	
* 4 Phenanthrene-d10	188	8.105	8.108	-0.003	91	111099	100.0	100.0	
* 5 Chrysene-d12	240	10.306	10.309	-0.003	66	81554	100.0	100.0	
* 6 Perylene-d12	264	11.829	11.831	-0.002	91	92882	100.0	100.0	
$ 7 2-Fluorophenol	112	3.468	3.471	-0.003	85	162814	1000.0	527.0	
$ 8 Phenol-d5	99	4.222	4.224	-0.002	97	112340	1000.0	325.3	
$ 9 Nitrobenzene-d5	82	4.895	4.897	-0.002	87	238117	1000.0	803.8	
$ 10 2-methylnaphthalene-d10	152	6.022	6.019	0.003	0	537002	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.353	6.356	-0.003	99	686605	1000.0	783.0	
$ 12 2,4,6-Tribromophenol	330	7.550	7.547	0.003	82	118832	1000.0	798.6	
$ 13 Fluoranthene-d10 (Surr)	212	9.088	9.085	0.003	0	1012305	NC	NC	
$ 14 Terphenyl-d14	244	9.430	9.433	-0.003	96	869730	1000.0	1045.2	
15 1,4-Dioxane	88	2.320	2.328	-0.008	1	2289	NC	NC	
16 N-Nitrosodimethylamine	74	2.411	2.408	0.003	70	71102	1000.0	528.7	
17 Pyridine	79	2.427	2.413	0.014	84	124049	2000.0	551.5	
18 Aniline	93	4.206	4.203	0.003	99	278620	1000.0	666.6	
19 Phenol	94	4.232	4.229	0.003	73	103456	1000.0	308.3	
20 Bis(2-chloroethyl)ether	93	4.259	4.256	0.003	91	226261	1000.0	784.0	
21 2-Chlorophenol	128	4.302	4.304	-0.002	88	355876	1000.0	879.9	
22 n-Decane	57	4.334	4.331	0.003	89	188450	1000.0	714.1	
23 1,3-Dichlorobenzene	146	4.403	4.405	-0.003	98	381119	1000.0	791.3	
25 1,4-Dichlorobenzene	146	4.467	4.464	0.003	98	386423	1000.0	739.1	
27 1,2-Dichlorobenzene	146	4.580	4.582	-0.002	95	363323	1000.0	742.1	
26 Benzyl alcohol	79	4.585	4.582	0.003	53	128046	1000.0	627.9	
29 2,2'-oxybis[1-chloropropane]	45	4.681	4.683	-0.002	72	238832	1000.0	736.6	
28 2-Methylphenol	108	4.692	4.694	-0.002	90	207068	1000.0	738.3	
30 Acetophenone	105	4.777	4.780	-0.003	94	380017	1000.0	898.2	
31 N-Nitrosodi-n-propylamine	70	4.783	4.785	-0.002	83	138052	1000.0	829.0	
32 3 & 4 Methylphenol	108	4.820	4.822	-0.002	95	193409	1000.0	663.8	
33 Hexachloroethane	117	4.847	4.844	0.003	90	144064	1000.0	759.8	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.911	4.913	-0.002	82	227850	1000.0	805.6	
35 Isophorone	82	5.103	5.106	-0.003	96	402207	1000.0	817.9	
36 2-Nitrophenol	139	5.167	5.169	-0.003	85	186248	1000.0	869.8	
37 2,4-Dimethylphenol	107	5.231	5.234	-0.003	92	271729	1000.0	817.7	
38 Bis(2-chloroethoxy)methane	93	5.290	5.293	-0.002	95	257998	1000.0	836.3	
39 Benzoic acid	105	5.231	5.319	-0.088	47	8577	2000.0	366.1	
40 2,4-Dichlorophenol	162	5.381	5.383	-0.002	86	275298	1000.0	838.2	
41 1,2,4-Trichlorobenzene	180	5.424	5.426	-0.002	93	286330	1000.0	752.4	
42 Naphthalene	128	5.482	5.485	-0.003	96	1009979	1000.0	811.1	
44 2,6-Dichlorophenol	162	5.547	5.549	-0.002	94	286134	1000.0	835.9	
43 4-Chloroaniline	127	5.547	5.549	-0.002	77	306211	1000.0	710.8	
45 Hexachlorobutadiene	225	5.589	5.586	0.003	88	164057	1000.0	726.3	
46 4-Chloro-3-methylphenol	107	5.974	5.976	-0.002	89	223513	1000.0	876.6	
47 2-Methylnaphthalene	142	6.049	6.046	0.003	84	676524	1000.0	834.4	
48 1-Methylnaphthalene	142	6.124	6.126	-0.002	88	645130	1000.0	837.8	
49 Hexachlorocyclopentadiene	237	6.172	6.174	-0.002	91	142289	1000.0	611.6	
50 1,2,4,5-Tetrachlorobenzene	216	6.182	6.185	-0.003	95	262890	1000.0	754.4	
52 2,4,6-Trichlorophenol	196	6.294	6.297	-0.003	85	172217	1000.0	819.2	
53 2,4,5-Trichlorophenol	196	6.348	6.345	0.003	56	191663	1000.0	802.1	
54 1,1'-Biphenyl	154	6.433	6.430	0.003	93	792681	1000.0	828.6	
55 2-Chloronaphthalene	162	6.444	6.441	0.003	96	612006	1000.0	814.5	
56 2-Nitroaniline	138	6.546	6.548	-0.002	91	202669	1000.0	966.4	
57 Dimethyl phthalate	163	6.695	6.697	-0.002	99	761077	1000.0	981.7	
58 1,3-Dinitrobenzene	168	6.722	6.724	-0.002	72	110408	1000.0	963.5	
59 2,6-Dinitrotoluene	165	6.743	6.746	-0.003	66	167119	1000.0	873.9	
60 Acenaphthylene	152	6.775	6.778	-0.003	95	956215	1000.0	858.4	
61 3-Nitroaniline	138	6.887	6.890	-0.003	85	149035	1000.0	817.4	
62 Acenaphthene	153	6.919	6.922	-0.003	91	639752	1000.0	829.0	
63 2,4-Dinitrophenol	184	6.973	6.973	0.003	84	149767	2000.0	1616.5	a
66 Dibenzofuran	168	7.064	7.066	-0.002	88	892096	1000.0	909.2	
65 2,4-Dinitrotoluene	165	7.069	7.071	-0.002	73	233102	1000.0	947.6	
64 4-Nitrophenol	109	7.106	7.095	0.013	56	56861	2000.0	1225.9	
51 2,3,5,6-Tetrachlorophenol	232	7.144	7.152	-0.002	84	125559	1000.0	755.3	
67 2,3,4,6-Tetrachlorophenol	232	7.181	7.189	-0.003	74	143638	1000.0	734.1	
68 Diethyl phthalate	149	7.272	7.274	-0.002	97	871680	1000.0	1019.7	
69 Fluorene	166	7.342	7.344	-0.002	91	742690	1000.0	951.2	
70 4-Chlorophenyl phenyl ether	204	7.352	7.360	-0.003	91	305424	1000.0	849.8	
71 4-Nitroaniline	138	7.395	7.392	0.003	81	160955	1000.0	920.8	
72 4,6-Dinitro-2-methylphenol	198	7.400	7.405	-0.003	83	210041	2000.0	1620.0	
73 N-Nitrosodiphenylamine	169	7.454	7.456	-0.002	60	545829	1000.0	925.5	
74 Azobenzene	77	7.480	7.483	-0.003	93	492582	1000.0	804.6	
75 4-Bromophenyl phenyl ether	248	7.753	7.755	-0.002	57	202113	1000.0	823.0	
76 Hexachlorobenzene	284	7.790	7.787	0.003	85	236731	1000.0	824.5	
77 Atrazine	200	7.908	7.905	0.003	90	428749	2000.0	1922.7	
78 Pentachlorophenol	266	7.967	7.969	-0.002	83	126743	2000.0	891.5	
79 n-Octadecane	57	8.047	8.049	-0.002	91	263979	1000.0	749.9	
80 Phenanthrene	178	8.127	8.129	-0.002	96	1063346	1000.0	847.1	
81 Anthracene	178	8.170	8.172	-0.002	96	1066034	1000.0	818.8	
83 Carbazole	167	8.319	8.321	-0.002	82	1056658	1000.0	1065.5	
84 Di-n-butyl phthalate	149	8.613	8.615	-0.002	99	1503556	1000.0	955.1	
85 Fluoranthene	202	9.099	9.101	-0.002	96	1127817	1000.0	843.6	
88 Benzidine	184	9.243	9.240	0.003	92	118074	2000.0	447.6	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.286	9.288	-0.002	98	1149324	1000.0	836.0	
94 Butyl benzyl phthalate	149	9.842	9.844	-0.002	91	658833	1000.0	1121.1	
96 3,3'-Dichlorobenzidine	252	10.296	10.298	-0.002	64	725657	2000.0	2203.6	
97 Benzo[a]anthracene	228	10.296	10.298	-0.002	98	1005145	1000.0	985.1	
99 Chrysene	228	10.328	10.330	-0.002	91	1011929	1000.0	939.5	
98 Bis(2-ethylhexyl) phthalate	149	10.360	10.362	-0.002	76	943947	1000.0	1242.4	
100 Di-n-octyl phthalate	149	11.017	11.019	-0.002	97	1468161	1000.0	1193.9	
101 Benzo[b]fluoranthene	252	11.391	11.393	-0.002	96	1061853	1000.0	1032.2	
103 Benzo[k]fluoranthene	252	11.423	11.425	-0.002	97	1108192	1000.0	888.8	
104 Benzo[a]pyrene	252	11.759	11.767	-0.008	76	945462	1000.0	999.2	
105 Indeno[1,2,3-cd]pyrene	276	13.127	13.129	-0.002	99	1163772	1000.0	1232.7	
106 Dibenz(a,h)anthracene	278	13.164	13.178	-0.003	1	938282	1000.0	925.7	
107 Benzo[g,h,i]perylene	276	13.453	13.461	-0.008	92	1041888	1000.0	884.6	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 18-Mar-2022 20:23:52 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A10.D

Injection Date: 18-Mar-2022 12:56:30 Instrument ID: TAC051

Lims ID: LCS 580-383033/2-A

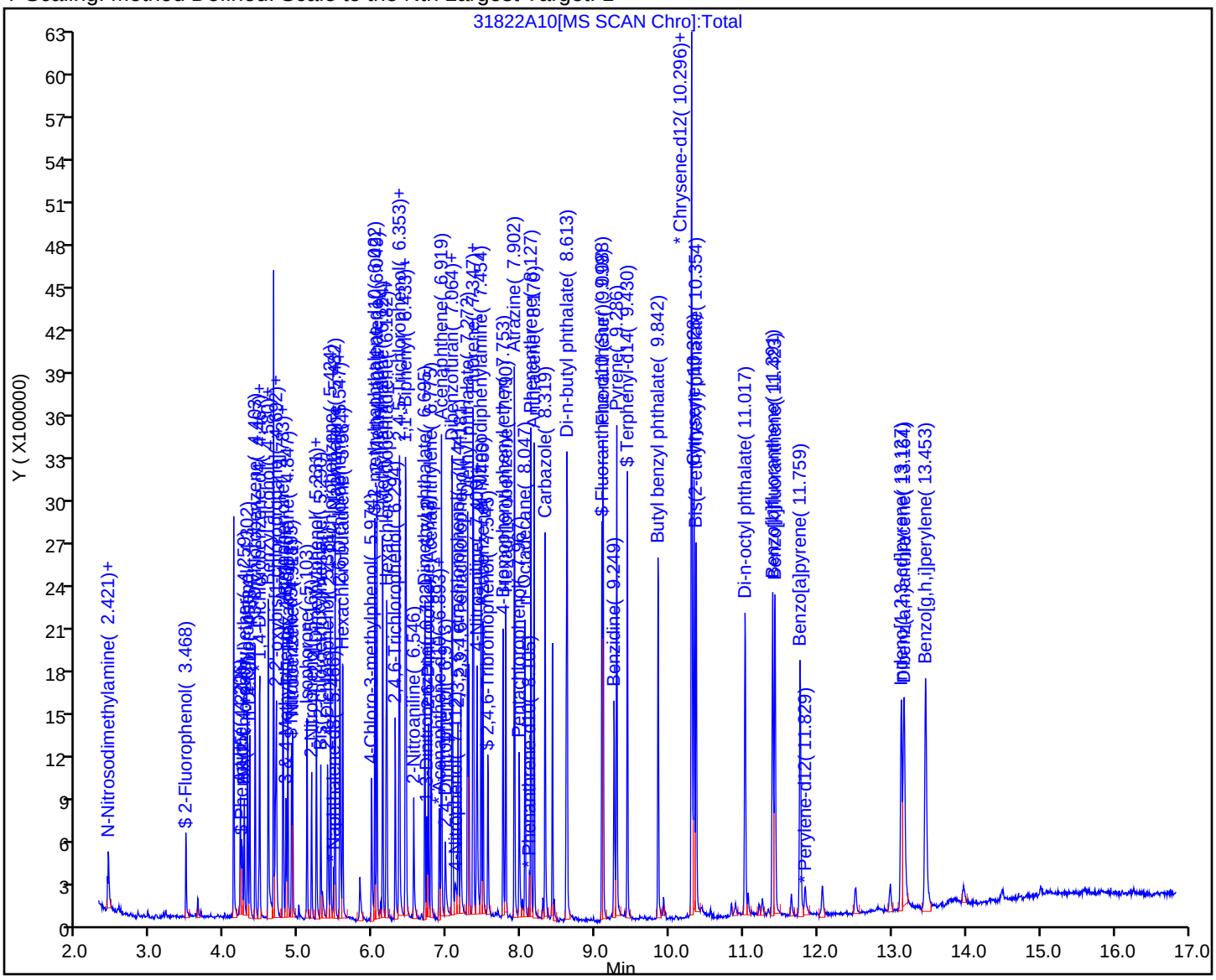
Client ID:

Operator ID: TL ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A10.D
Lims ID: LCS 580-383033/2-A
Client ID:
Sample Type: LCS
Inject. Date: 18-Mar-2022 12:56:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: lcs 580-383033/2-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:23:51 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:23:51

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	527.0	52.70
$ 8 Phenol-d5	1000.0	325.3	32.53
$ 9 Nitrobenzene-d5	1000.0	803.8	80.38
$ 11 2-Fluorobiphenyl	1000.0	783.0	78.30
$ 12 2,4,6-Tribromophenol	1000.0	798.6	79.86
$ 14 Terphenyl-d14	1000.0	1045.2	104.52

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 580-383033/3-A

Matrix: Water | Lab File ID: 30722A22.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1000(mL) | Date Analyzed: 03/07/2022 18:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383057 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
120-82-1	1,2,4-Trichlorobenzene	0.944	Q	0.40	0.30	0.090
95-50-1	1,2-Dichlorobenzene	0.936	Q	0.40	0.15	0.050
541-73-1	1,3-Dichlorobenzene	0.924	Q	0.40	0.090	0.040
106-46-7	1,4-Dichlorobenzene	0.881	Q	0.40	0.090	0.040
95-95-4	2,4,5-Trichlorophenol	1.35		0.40	0.30	0.10
88-06-2	2,4,6-Trichlorophenol	1.46		0.60	0.30	0.10
120-83-2	2,4-Dichlorophenol	1.42		1.0	0.50	0.20
105-67-9	2,4-Dimethylphenol	1.43	J	4.0	0.50	0.16
51-28-5	2,4-Dinitrophenol	2.47	J M	5.0	3.2	1.6
121-14-2	2,4-Dinitrotoluene	1.76		1.0	0.30	0.10
606-20-2	2,6-Dinitrotoluene	1.49		0.40	0.30	0.10
91-58-7	2-Chloronaphthalene	1.20		1.0	0.15	0.070
95-57-8	2-Chlorophenol	1.46		1.0	0.15	0.050
88-75-5	2-Nitrophenol	1.45		1.0	0.15	0.070
91-94-1	3,3'-Dichlorobenzidine	4.22		1.0	0.60	0.26
534-52-1	4,6-Dinitro-2-methylphenol	2.99		2.0	1.2	0.55
101-55-3	4-Bromophenyl phenyl ether	1.80		0.60	0.15	0.060
59-50-7	4-Chloro-3-methylphenol	1.53		0.60	0.30	0.13
7005-72-3	4-Chlorophenyl phenyl ether	1.38		0.60	0.15	0.050
103-33-3	Azobenzene	1.61	J	2.0	0.15	0.060
111-91-1	Bis(2-chloroethoxy)methane	1.37		0.60	0.15	0.050
111-44-4	Bis(2-chloroethyl)ether	1.28		0.10	0.090	0.030
117-81-7	Bis(2-ethylhexyl) phthalate	2.33	J	3.0	1.6	0.74
85-68-7	Butyl benzyl phthalate	2.07	J	4.0	0.60	0.27
84-66-2	Diethyl phthalate	1.80		1.0	0.30	0.15
131-11-3	Dimethyl phthalate	1.70		0.60	0.15	0.060
84-74-2	Di-n-butyl phthalate	2.04	J	3.0	0.50	0.19
117-84-0	Di-n-octyl phthalate	2.07		1.0	0.30	0.13
118-74-1	Hexachlorobenzene	1.92		0.60	0.090	0.040
87-68-3	Hexachlorobutadiene	0.741	J Q	1.0	0.15	0.060
77-47-4	Hexachlorocyclopentadiene	0.575	J Q	1.0	0.30	0.14
67-72-1	Hexachloroethane	0.740	J Q	1.0	0.15	0.050
78-59-1	Isophorone	1.41		0.40	0.30	0.10
15831-10-4	m+p-Cresol	1.19		0.60	0.30	0.10

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 580-383033/3-A

Matrix: Water | Lab File ID: 30722A22.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1000(mL) | Date Analyzed: 03/07/2022 18:24

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383057 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
98-95-3	Nitrobenzene	1.39		1.0	0.090	0.040
62-75-9	N-Nitrosodimethylamine	1.01	J	2.0	0.60	0.26
621-64-7	N-Nitrosodi-n-propylamine	1.38		0.40	0.090	0.060
86-30-6	N-Nitrosodiphenylamine	1.86		1.0	0.15	0.070
95-48-7	o-Cresol	1.29		0.60	0.15	0.050
87-86-5	Pentachlorophenol	2.79	J	10	1.0	0.51
108-95-2	Phenol	0.819	J M	1.0	0.60	0.36
129-00-0	Pyrene	1.75		1.0	0.090	0.040
110-86-1	Pyridine	1.15	J	10	3.2	1.1

CAS NO.	SURROGATE	%REC	Q	LIMITS
118-79-6	2,4,6-Tribromophenol (Surr)	101		43-140
321-60-8	2-Fluorobiphenyl	64		44-119
367-12-4	2-Fluorophenol (Surr)	46		19-119
4165-60-0	Nitrobenzene-d5 (Surr)	63		44-120
4165-62-2	Phenol-d5 (Surr)	37	M	10-120
1718-51-0	Terphenyl-d14	115		50-134

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A22.D
Lims ID: LCSD 580-383033/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 07-Mar-2022 18:24:30 ALS Bottle#: 21 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: lcsd 580-383033/3-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 08-Mar-2022 10:23:49 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 10:23:49

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.465	4.467	-0.002	85	18400	100.0	100.0	
* 2 Naphthalene-d8	136	5.480	5.482	-0.002	94	70192	100.0	100.0	
* 3 Acenaphthene-d10	164	6.906	6.908	-0.002	80	37199	100.0	100.0	
* 4 Phenanthrene-d10	188	8.119	8.121	-0.002	92	54931	100.0	100.0	
* 5 Chrysene-d12	240	10.320	10.322	-0.002	60	46865	100.0	100.0	
* 6 Perylene-d12	264	11.843	11.850	-0.007	91	61529	100.0	100.0	
$ 7 2-Fluorophenol	112	3.509	3.507	-0.002	81	78384	1000.0	461.4	
$ 8 Phenol-d5	99	4.262	4.262	0.003	98	69917	1000.0	367.8	M
$ 9 Nitrobenzene-d5	82	4.909	4.906	-0.001	88	105470	1000.0	631.3	
$ 10 2-methylnaphthalene-d10	152	6.030	6.027	-0.002	0	255557	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.367	6.359	0.004	99	317859	1000.0	642.6	
$ 12 2,4,6-Tribromophenol	330	7.564	7.567	-0.001	84	75153	1000.0	1010.6	
$ 13 Fluoranthene-d10 (Surr)	212	9.102	9.099	0.003	0	523415	NC	NC	
$ 14 Terphenyl-d14	244	9.444	9.446	-0.002	96	474907	1000.0	1154.3	
16 N-Nitrosodimethylamine	74	2.424	2.424	-0.002	64	37130	1000.0	502.6	
17 Pyridine	79	2.440	2.435	0.003	85	71342	2000.0	573.6	
15 1,4-Dioxane	88	2.499	2.475	0.024	1	867	NC	NC	
18 Aniline	93	4.219	4.217	-0.002	97	113737	1000.0	495.6	
19 Phenol	94	4.267	4.267	-0.002	76	75681	1000.0	409.5	M
20 Bis(2-chloroethyl)ether	93	4.273	4.265	0.004	93	101789	1000.0	640.5	
21 2-Chlorophenol	128	4.326	4.319	0.003	85	162525	1000.0	729.7	
22 n-Decane	57	4.342	4.345	-0.002	77	48045	1000.0	330.6	
23 1,3-Dichlorobenzene	146	4.417	4.415	-0.002	95	122554	1000.0	462.1	
25 1,4-Dichlorobenzene	146	4.481	4.474	0.003	98	126797	1000.0	440.4	
27 1,2-Dichlorobenzene	146	4.593	4.591	-0.002	96	126235	1000.0	468.2	
26 Benzyl alcohol	79	4.599	4.601	-0.002	72	65896	1000.0	587.3	
29 2,2'-oxybis[1-chloropropane]	45	4.690	4.697	-0.007	70	88793	1000.0	497.3	
28 2-Methylphenol	108	4.716	4.714	-0.002	79	99763	1000.0	645.9	
30 Acetophenone	105	4.791	4.793	-0.002	92	178017	1000.0	764.1	
31 N-Nitrosodi-n-propylamine	70	4.796	4.794	-0.002	85	63283	1000.0	690.1	
32 3 & 4 Methylphenol	108	4.850	4.847	-0.002	93	95326	1000.0	594.8	
33 Hexachloroethane	117	4.860	4.858	-0.002	83	38635	1000.0	370.0	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.925	4.923	-0.001	81	107721	1000.0	692.9	
35 Isophorone	82	5.117	5.115	-0.002	95	190632	1000.0	704.0	
36 2-Nitrophenol	139	5.181	5.174	0.004	84	87385	1000.0	724.8	
37 2,4-Dimethylphenol	107	5.250	5.248	-0.002	92	130840	1000.0	715.6	
38 Bis(2-chloroethoxy)methane	93	5.304	5.302	-0.002	93	115991	1000.0	682.8	
39 Benzoic acid	105	5.341	5.339	-0.013	65	70991	2000.0	787.9	
40 2,4-Dichlorophenol	162	5.405	5.398	0.003	86	131205	1000.0	710.9	
41 1,2,4-Trichlorobenzene	180	5.437	5.430	0.003	84	101361	1000.0	472.2	
42 Naphthalene	128	5.496	5.494	-0.002	95	416008	1000.0	587.1	
43 4-Chloroaniline	127	5.566	5.558	0.004	61	110015	1000.0	461.8	
44 2,6-Dichlorophenol	162	5.566	5.564	-0.001	93	134695	1000.0	697.7	
45 Hexachlorobutadiene	225	5.598	5.595	-0.002	87	47171	1000.0	370.3	
46 4-Chloro-3-methylphenol	107	5.998	5.995	-0.002	88	109504	1000.0	766.3	
47 2-Methylnaphthalene	142	6.057	6.054	-0.002	81	268884	1000.0	588.0	
48 1-Methylnaphthalene	142	6.137	6.134	-0.002	82	264115	1000.0	608.1	
49 Hexachlorocyclopentadiene	237	6.185	6.184	-0.002	80	37708	1000.0	287.3	
50 1,2,4,5-Tetrachlorobenzene	216	6.196	6.189	0.004	95	107979	1000.0	546.0	
52 2,4,6-Trichlorophenol	196	6.314	6.306	0.004	85	86059	1000.0	729.2	
53 2,4,5-Trichlorophenol	196	6.367	6.360	0.004	53	89747	1000.0	673.4	
54 1,1'-Biphenyl	154	6.442	6.439	-0.002	94	342029	1000.0	633.8	
55 2-Chloronaphthalene	162	6.452	6.450	-0.002	98	254688	1000.0	600.9	
56 2-Nitroaniline	138	6.559	6.557	-0.002	76	102669	1000.0	875.4	
57 Dimethyl phthalate	163	6.709	6.706	-0.002	99	371649	1000.0	849.3	
58 1,3-Dinitrobenzene	168	6.730	6.727	-0.002	83	55991	1000.0	878.9	
59 2,6-Dinitrotoluene	165	6.757	6.755	0.004	65	79943	1000.0	746.1	
60 Acenaphthylene	152	6.789	6.787	-0.002	91	443552	1000.0	703.2	
61 3-Nitroaniline	138	6.906	6.899	0.003	80	73827	1000.0	726.8	
62 Acenaphthene	153	6.933	6.931	-0.002	90	277432	1000.0	637.3	
63 2,4-Dinitrophenol	184	6.987	6.987	0.004	81	57358	2000.0	1234.8	a
66 Dibenzofuran	168	7.077	7.075	-0.002	86	398479	1000.0	720.0	
65 2,4-Dinitrotoluene	165	7.083	7.081	-0.002	80	121247	1000.0	878.5	
64 4-Nitrophenol	109	7.126	7.118	0.009	84	49727	2000.0	1468.5	
51 2,3,5,6-Tetrachlorophenol	232	7.163	7.155	0.004	77	74894	1000.0	796.3	
67 2,3,4,6-Tetrachlorophenol	232	7.195	7.193	-0.002	68	95897	1000.0	864.1	
68 Diethyl phthalate	149	7.286	7.283	-0.002	97	433369	1000.0	898.7	
69 Fluorene	166	7.355	7.353	-0.002	85	333041	1000.0	756.1	
70 4-Chlorophenyl phenyl ether	204	7.366	7.369	-0.002	91	139469	1000.0	687.9	
71 4-Nitroaniline	138	7.403	7.406	-0.002	84	83123	1000.0	848.5	
72 4,6-Dinitro-2-methylphenol	198	7.414	7.417	-0.002	86	94840	2000.0	1495.2	
73 N-Nitrosodiphenylamine	169	7.467	7.470	-0.002	59	270620	1000.0	928.0	
74 Azobenzene	77	7.494	7.496	-0.002	86	243152	1000.0	803.3	
75 4-Bromophenyl phenyl ether	248	7.767	7.770	-0.001	54	109374	1000.0	900.7	
76 Hexachlorobenzene	284	7.804	7.802	0.004	85	136251	1000.0	959.8	
77 Atrazine	200	7.921	7.913	0.003	94	221872	2000.0	1765.3	
78 Pentachlorophenol	266	7.986	7.983	0.004	84	105032	2000.0	1396.5	
79 n-Octadecane	57	8.060	8.063	-0.002	90	116176	1000.0	666.9	
80 Phenanthrene	178	8.141	8.143	-0.001	96	518983	1000.0	835.8	
81 Anthracene	178	8.183	8.186	-0.002	96	529257	1000.0	822.2	
83 Carbazole	167	8.333	8.336	-0.002	86	537871	1000.0	1097.8	
84 Di-n-butyl phthalate	149	8.627	8.629	-0.001	99	791888	1000.0	1020.4	
85 Fluoranthene	202	9.113	9.115	-0.002	96	568613	1000.0	860.8	
88 Benzidine	184	9.252	9.255	-0.002	53	33686	2000.0	295.1	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.300	9.302	-0.002	98	594570	1000.0	876.2	
94 Butyl benzyl phthalate	149	9.855	9.858	-0.002	92	349557	1000.0	1034.4	
97 Benzo[a]anthracene	228	10.309	10.312	-0.002	98	552526	1000.0	941.7	
96 3,3'-Dichlorobenzidine	252	10.309	10.312	-0.002	65	399200	2000.0	2109.6	
99 Chrysene	228	10.341	10.349	-0.008	92	546673	1000.0	880.8	
98 Bis(2-ethylhexyl) phthalate	149	10.374	10.376	-0.001	75	507502	1000.0	1163.9	
100 Di-n-octyl phthalate	149	11.036	11.038	-0.002	97	844150	1000.0	1036.2	
101 Benzo[b]fluoranthene	252	11.410	11.413	-0.002	93	631905	1000.0	927.5	
102 Benzofluoranthene	252	11.410	11.410	-0.034	1	1249802	2000.0	1652.9	a
103 Benzo[k]fluoranthene	252	11.442	11.445	-0.002	97	653383	1000.0	791.0	
104 Benzo[a]pyrene	252	11.779	11.782	-0.007	74	548936	1000.0	876.3	
105 Indeno[1,2,3-cd]pyrene	276	13.146	13.149	-0.007	98	629412	1000.0	1008.2	
106 Dibenz(a,h)anthracene	278	13.189	13.186	-0.002	77	654298	1000.0	973.8	
107 Benzo[g,h,i]perylene	276	13.477	13.480	-0.007	91	661406	1000.0	847.2	

QC Flag Legend

Processing Flags
NC - Not Calibrated
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 10:23:50 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A22.D

Injection Date: 07-Mar-2022 18:24:30 Instrument ID: TAC051

Lims ID: LCSD 580-383033/3-A

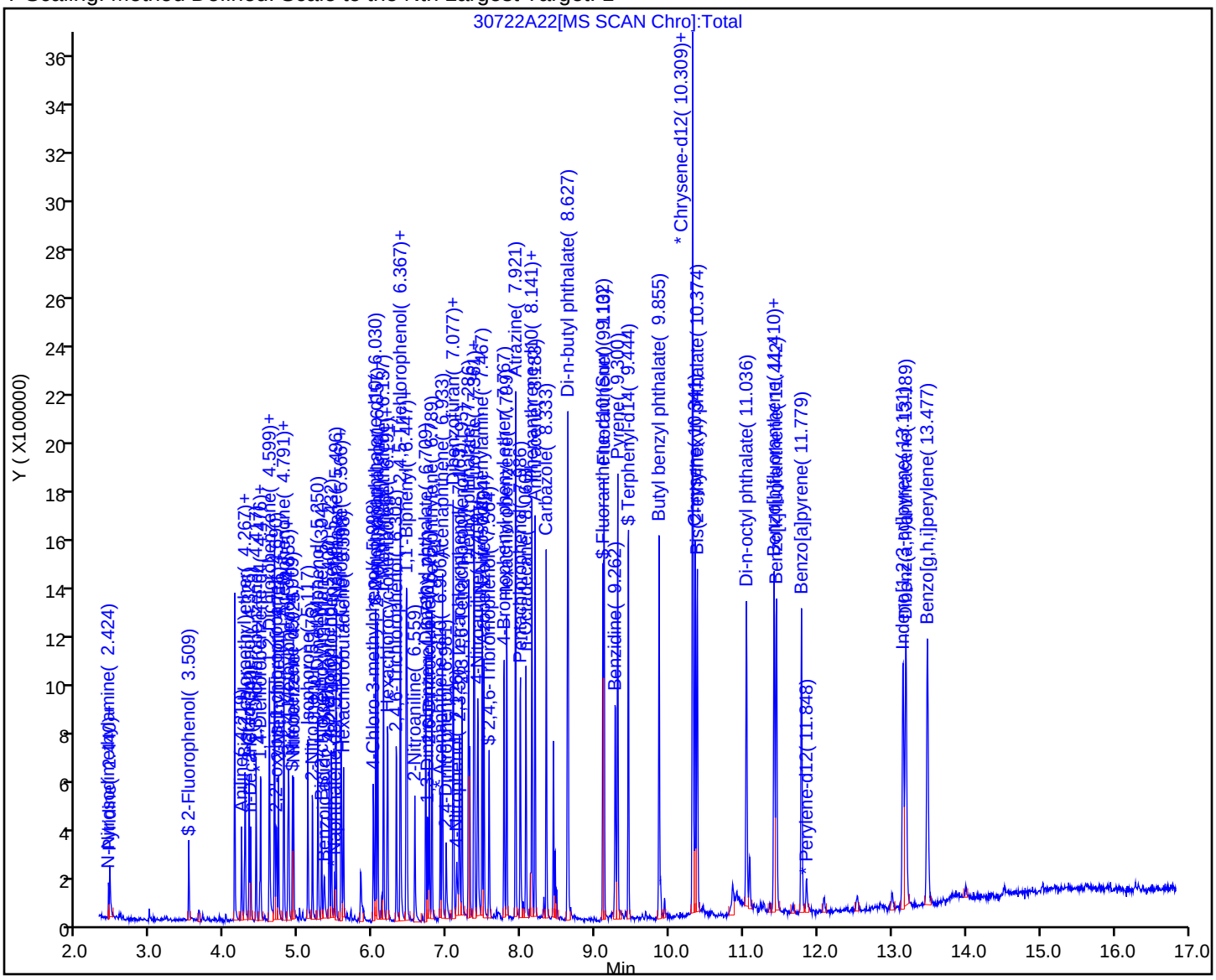
Client ID:

Operator ID: TL ALS Bottle#: 21 Worklist Smp#: 22

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A22.D
Lims ID: LCSD 580-383033/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 07-Mar-2022 18:24:30 ALS Bottle#: 21 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: lcsd 580-383033/3-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 08-Mar-2022 10:23:49 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 10:23:49

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	461.4	46.14
$ 8 Phenol-d5	1000.0	367.8	36.78
$ 9 Nitrobenzene-d5	1000.0	631.3	63.13
$ 11 2-Fluorobiphenyl	1000.0	642.6	64.26
$ 12 2,4,6-Tribromophenol	1000.0	1010.6	101.06
$ 14 Terphenyl-d14	1000.0	1154.3	115.43

Manual Integration/User Assign Peak Report

Eurofins Seattle

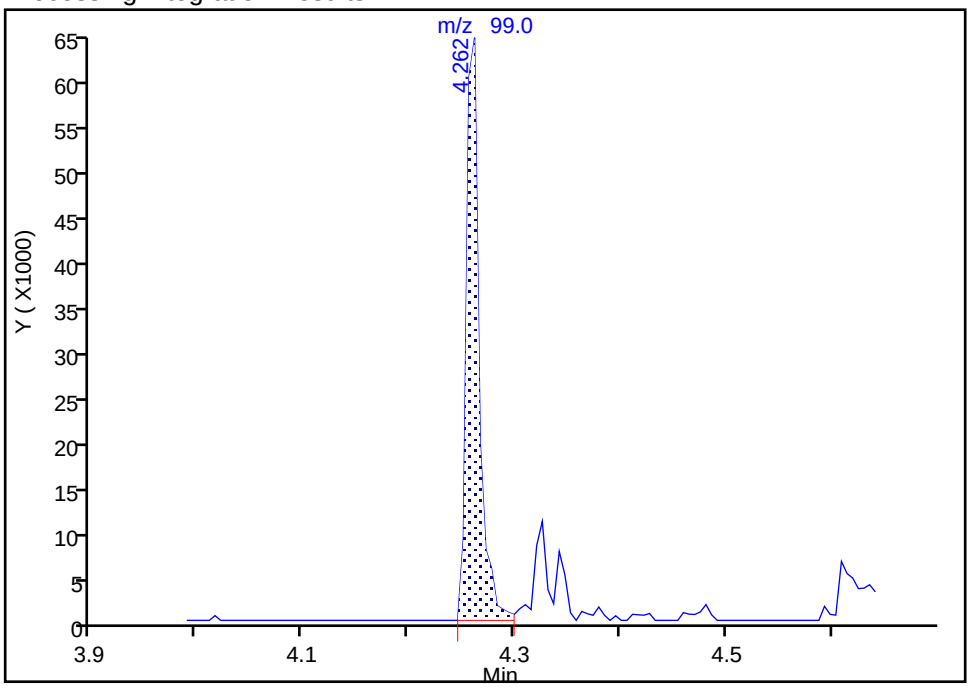
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A22.D
Injection Date: 07-Mar-2022 18:24:30 Instrument ID: TAC051
Lims ID: LCSD 580-383033/3-A
Client ID:
Operator ID: TL ALS Bottle#: 21 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

$ 8 Phenol-d5, CAS: 4165-62-2

Signal: 1

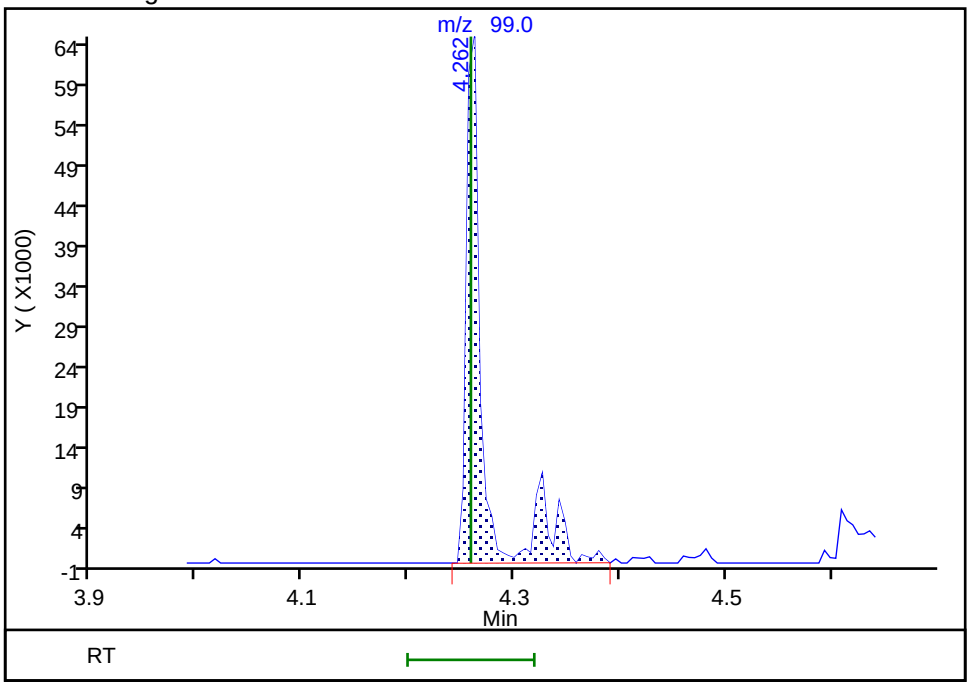
Processing Integration Results

RT: 4.26
Area: 55005
Amount: 292.4871
Amount Units: ug/L



Manual Integration Results

RT: 4.26
Area: 69917
Amount: 367.8459
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 10:22:40
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

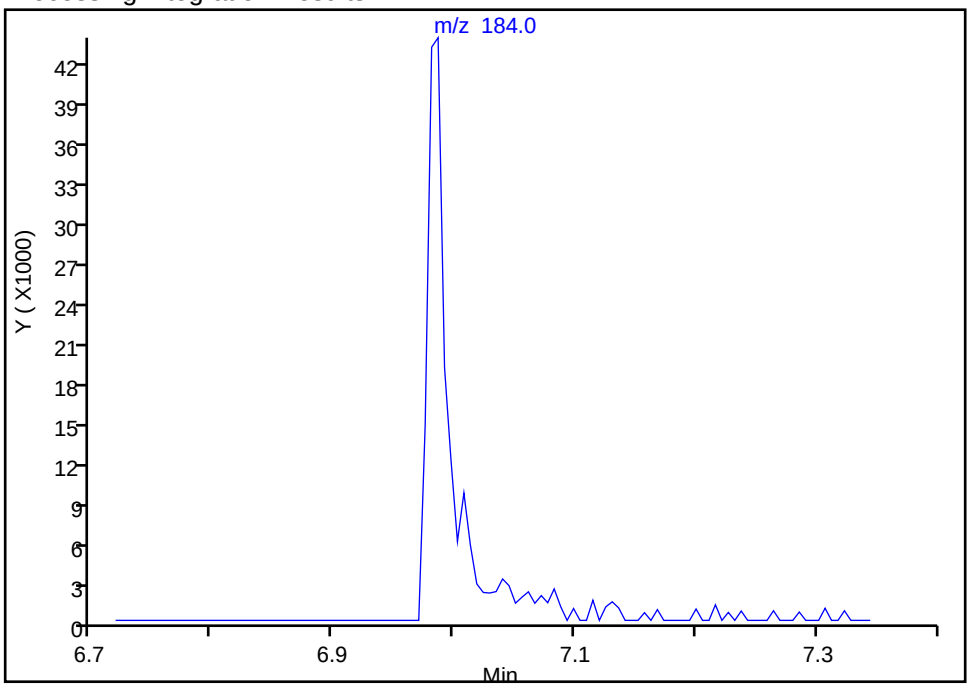
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A22.D
Injection Date: 07-Mar-2022 18:24:30 Instrument ID: TAC051
Lims ID: LCSD 580-383033/3-A
Client ID:
Operator ID: TL ALS Bottle#: 21 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

63 2,4-Dinitrophenol, CAS: 51-28-5

Signal: 1

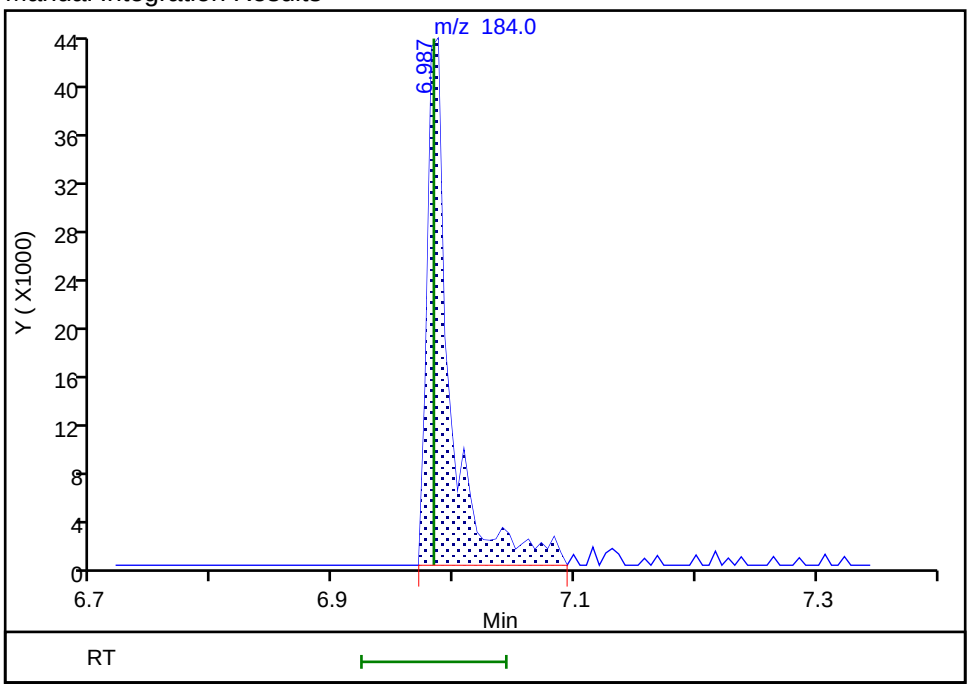
Not Detected
Expected RT: 6.98

Processing Integration Results



Manual Integration Results

RT: 6.99
Area: 57358
Amount: 1234.7771
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 10:23:24
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

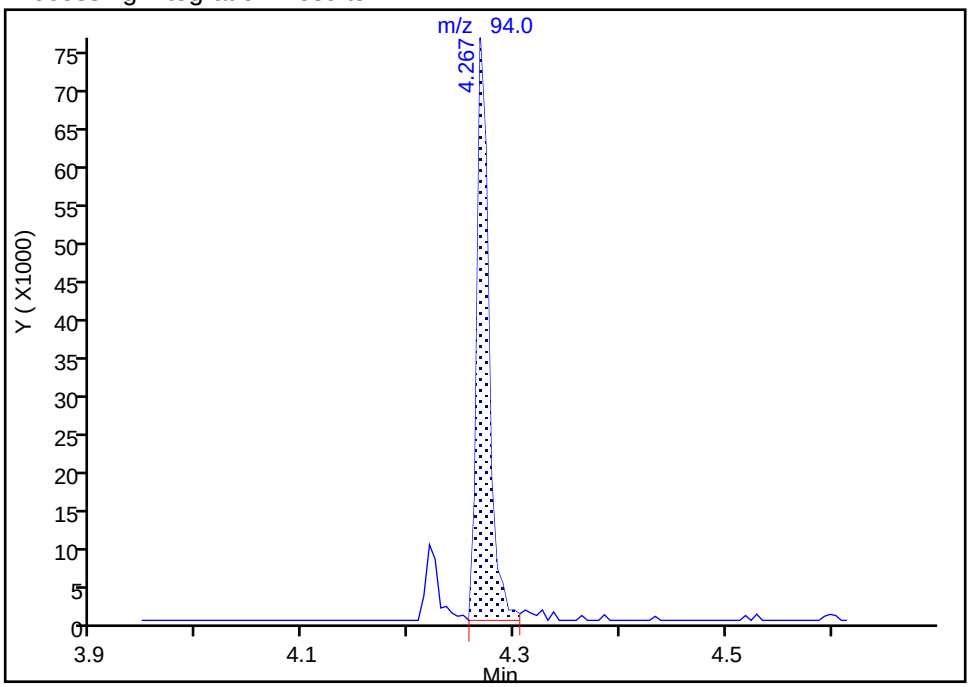
Data File: \\chromfs\Seattle\ChromData\TAC051\20220307-81620.b\30722A22.D
Injection Date: 07-Mar-2022 18:24:30 Instrument ID: TAC051
Lims ID: LCSD 580-383033/3-A
Client ID:
Operator ID: TL ALS Bottle#: 21 Worklist Smp#: 22
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0
Column: Detector MS SCAN

19 Phenol, CAS: 108-95-2

Signal: 1

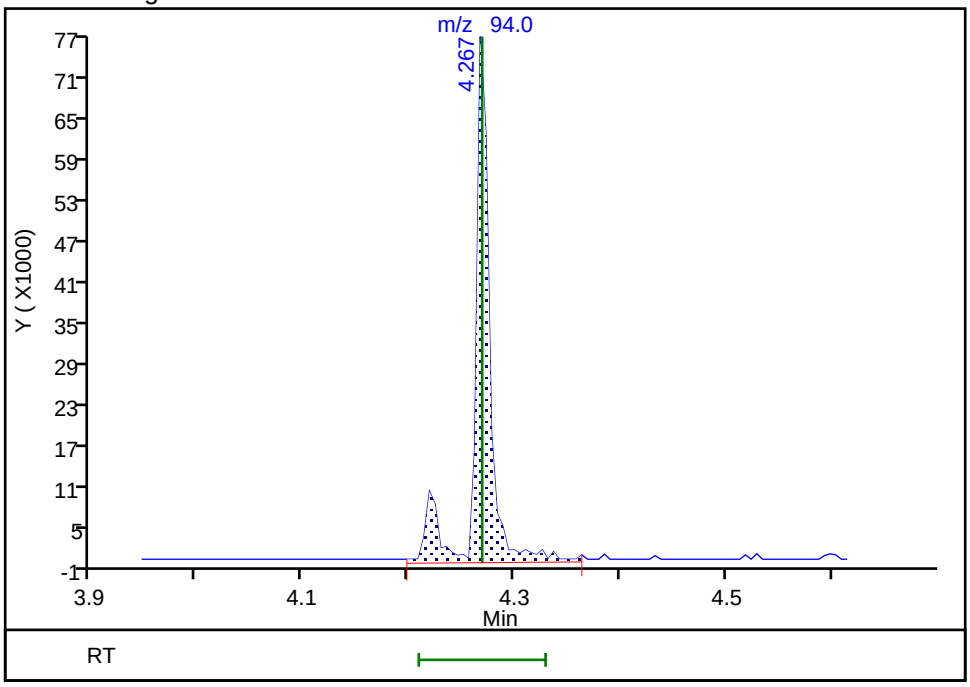
Processing Integration Results

RT: 4.27
Area: 60199
Amount: 325.7442
Amount Units: ug/L



Manual Integration Results

RT: 4.27
Area: 75681
Amount: 409.5193
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 10:22:55
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 580-383033/3-A RA

Matrix: Water | Lab File ID: 31822A11.D

Analysis Method: 8270E | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1000(mL) | Date Analyzed: 03/18/2022 13:19

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 384307 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
100-02-7	4-Nitrophenol	2.65	J	10	6.0	1.7
108-60-1	bis (2-chloroisopropyl) ether	1.41		0.25	0.15	0.060

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A11.D
Lims ID: LCSD 580-383033/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 18-Mar-2022 13:19:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: lcsd 580-383033/3-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:24:11 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:24:11

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 1,4-Dichlorobenzene-d4	152	4.453	4.454	-0.001	89	33319	100.0	100.0	
* 2 Naphthalene-d8	136	5.468	5.469	-0.001	90	125552	100.0	100.0	
* 3 Acenaphthene-d10	164	6.894	6.895	-0.001	93	66839	100.0	100.0	
* 4 Phenanthrene-d10	188	8.107	8.108	-0.001	94	101474	100.0	100.0	
* 5 Chrysene-d12	240	10.308	10.309	-0.001	70	82447	100.0	100.0	
* 6 Perylene-d12	264	11.830	11.831	-0.001	88	102004	100.0	100.0	
$ 7 2-Fluorophenol	112	3.470	3.471	-0.001	83	147801	1000.0	480.2	
$ 8 Phenol-d5	99	4.223	4.224	-0.001	98	109682	1000.0	318.5	
$ 9 Nitrobenzene-d5	82	4.896	4.897	-0.001	85	219937	1000.0	736.0	
$ 10 2-methylnaphthalene-d10	152	6.023	6.019	0.004	0	523973	NC	NC	
$ 11 2-Fluorobiphenyl	172	6.355	6.356	-0.001	99	623258	1000.0	701.3	
$ 12 2,4,6-Tribromophenol	330	7.546	7.547	-0.001	79	119285	1000.0	873.8	
$ 13 Fluoranthene-d10 (Surr)	212	9.084	9.085	-0.001	0	1016805	NC	NC	
$ 14 Terphenyl-d14	244	9.432	9.433	-0.001	96	864437	1000.0	1137.4	
15 1,4-Dioxane	88	2.321	2.328	-0.007	2	2714	NC	NC	
16 N-Nitrosodimethylamine	74	2.407	2.408	-0.001	76	79150	1000.0	587.4	
17 Pyridine	79	2.423	2.413	0.010	85	132637	2000.0	587.4	
18 Aniline	93	4.207	4.203	0.004	97	230347	1000.0	553.6	
19 Phenol	94	4.234	4.229	0.005	87	102174	1000.0	305.3	
20 Bis(2-chloroethyl)ether	93	4.255	4.256	-0.001	93	208307	1000.0	723.8	
21 2-Chlorophenol	128	4.303	4.304	-0.001	89	328218	1000.0	813.8	
22 n-Decane	57	4.330	4.331	-0.001	86	104646	1000.0	397.7	
23 1,3-Dichlorobenzene	146	4.405	4.405	-0.001	95	258059	1000.0	537.3	
25 1,4-Dichlorobenzene	146	4.463	4.464	-0.001	96	261015	1000.0	500.7	
27 1,2-Dichlorobenzene	146	4.581	4.582	-0.001	95	258631	1000.0	529.7	
26 Benzyl alcohol	79	4.581	4.582	-0.001	59	112657	1000.0	554.9	
29 2,2'-oxybis[1-chloropropane]	45	4.683	4.683	-0.001	75	228067	1000.0	705.4	
28 2-Methylphenol	108	4.693	4.694	-0.001	85	196677	1000.0	703.2	
30 Acetophenone	105	4.779	4.780	-0.001	92	339489	1000.0	804.7	
31 N-Nitrosodi-n-propylamine	70	4.784	4.785	-0.001	89	126094	1000.0	759.4	
32 3 & 4 Methylphenol	108	4.821	4.822	-0.001	95	180494	1000.0	621.7	
33 Hexachloroethane	117	4.848	4.844	0.004	87	81169	1000.0	429.3	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
34 Nitrobenzene	77	4.912	4.913	-0.001	81	221324	1000.0	785.0	
35 Isophorone	82	5.105	5.106	-0.001	94	379695	1000.0	774.3	
36 2-Nitrophenol	139	5.169	5.169	-0.001	86	173552	1000.0	803.9	
37 2,4-Dimethylphenol	107	5.233	5.234	-0.001	89	247765	1000.0	748.1	
38 Bis(2-chloroethoxy)methane	93	5.292	5.293	0.000	95	235425	1000.0	765.3	
39 Benzoic acid	105	5.233	5.319	-0.086	46	10120	2000.0	371.3	
40 2,4-Dichlorophenol	162	5.382	5.383	-0.001	88	252794	1000.0	764.4	
41 1,2,4-Trichlorobenzene	180	5.425	5.426	-0.001	93	193926	1000.0	505.1	
42 Naphthalene	128	5.484	5.485	-0.001	96	854463	1000.0	676.6	
44 2,6-Dichlorophenol	162	5.548	5.549	-0.001	95	255893	1000.0	737.6	
43 4-Chloroaniline	127	5.548	5.549	-0.001	72	264332	1000.0	611.8	
45 Hexachlorobutadiene	225	5.585	5.586	-0.001	88	84159	1000.0	369.3	
46 4-Chloro-3-methylphenol	107	5.975	5.976	-0.001	89	205587	1000.0	799.0	
47 2-Methylnaphthalene	142	6.045	6.046	-0.001	77	563311	1000.0	688.7	
48 1-Methylnaphthalene	142	6.125	6.126	-0.001	89	557757	1000.0	718.0	
49 Hexachlorocyclopentadiene	237	6.173	6.174	-0.001	88	76881	1000.0	326.0	
50 1,2,4,5-Tetrachlorobenzene	216	6.184	6.185	-0.001	96	201306	1000.0	567.0	
52 2,4,6-Trichlorophenol	196	6.296	6.297	-0.001	89	156631	1000.0	738.2	
53 2,4,5-Trichlorophenol	196	6.344	6.345	-0.001	92	169234	1000.0	704.5	
54 1,1'-Biphenyl	154	6.435	6.430	0.005	94	679220	1000.0	700.5	
55 2-Chloronaphthalene	162	6.440	6.441	-0.001	96	523399	1000.0	687.3	
56 2-Nitroaniline	138	6.547	6.548	-0.001	90	182866	1000.0	868.4	
57 Dimethyl phthalate	163	6.696	6.697	-0.001	99	743271	1000.0	945.7	
58 1,3-Dinitrobenzene	168	6.723	6.724	-0.001	78	105813	1000.0	917.9	
59 2,6-Dinitrotoluene	165	6.745	6.746	-0.001	66	152682	1000.0	791.0	
60 Acenaphthylene	152	6.777	6.778	-0.001	92	881206	1000.0	779.0	
61 3-Nitroaniline	138	6.889	6.890	-0.001	84	140427	1000.0	765.1	
62 Acenaphthene	153	6.921	6.922	-0.001	86	573408	1000.0	733.1	
63 2,4-Dinitrophenol	184	6.974	6.974	0.004	84	149024	2000.0	1594.7	a
66 Dibenzofuran	168	7.065	7.066	-0.001	88	801988	1000.0	806.5	
65 2,4-Dinitrotoluene	165	7.070	7.071	-0.001	82	228567	1000.0	918.7	
64 4-Nitrophenol	109	7.108	7.095	0.015	58	70784	2000.0	1326.5	
51 2,3,5,6-Tetrachlorophenol	232	7.145	7.152	-0.001	78	128024	1000.0	759.6	
67 2,3,4,6-Tetrachlorophenol	232	7.183	7.189	-0.001	70	177999	1000.0	891.8	
68 Diethyl phthalate	149	7.273	7.274	-0.001	97	861412	1000.0	994.2	
69 Fluorene	166	7.343	7.344	-0.001	84	682583	1000.0	862.5	
70 4-Chlorophenyl phenyl ether	204	7.354	7.360	-0.001	91	283932	1000.0	779.4	
71 4-Nitroaniline	138	7.391	7.392	-0.001	90	151510	1000.0	859.8	
72 4,6-Dinitro-2-methylphenol	198	7.402	7.405	-0.001	84	212023	2000.0	1771.2	
73 N-Nitrosodiphenylamine	169	7.455	7.456	-0.001	59	543513	1000.0	1009.0	
74 Azobenzene	77	7.482	7.483	-0.001	92	462264	1000.0	826.6	
75 4-Bromophenyl phenyl ether	248	7.754	7.755	-0.001	54	186272	1000.0	830.4	
76 Hexachlorobenzene	284	7.792	7.787	0.005	88	231806	1000.0	883.9	
77 Atrazine	200	7.904	7.905	-0.001	93	449705	2000.0	1989.1	
78 Pentachlorophenol	266	7.968	7.969	-0.001	85	138512	2000.0	1038.3	
79 n-Octadecane	57	8.048	8.049	-0.001	91	274347	1000.0	854.2	
80 Phenanthrene	178	8.128	8.129	-0.001	97	1026741	1000.0	897.1	
81 Anthracene	178	8.171	8.172	-0.001	96	1069311	1000.0	901.3	
83 Carbazole	167	8.320	8.321	-0.001	82	1096052	1000.0	1214.2	
84 Di-n-butyl phthalate	149	8.614	8.615	-0.001	99	1530263	1000.0	1069.8	
85 Fluoranthene	202	9.100	9.101	-0.001	95	1189985	1000.0	979.8	
88 Benzidine	184	9.250	9.240	0.010	63	70313	2000.0	322.2	

Compound	Sig	RT (min.)	Adj RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
89 Pyrene	202	9.287	9.288	-0.001	98	1206726	1000.0	966.1	
94 Butyl benzyl phthalate	149	9.843	9.844	-0.001	91	671102	1000.0	1129.7	
96 3,3'-Dichlorobenzidine	252	10.297	10.298	-0.001	59	729936	2000.0	2192.6	
97 Benzo[a]anthracene	228	10.297	10.298	-0.001	98	1030350	1000.0	999.1	
99 Chrysene	228	10.329	10.330	-0.001	93	1064493	1000.0	979.4	
98 Bis(2-ethylhexyl) phthalate	149	10.361	10.362	-0.001	76	978554	1000.0	1273.3	
100 Di-n-octyl phthalate	149	11.018	11.019	-0.001	97	1532957	1000.0	1135.1	
101 Benzo[b]fluoranthene	252	11.392	11.393	-0.001	94	1092219	1000.0	966.9	
103 Benzo[k]fluoranthene	252	11.424	11.425	-0.001	99	1150545	1000.0	840.2	
104 Benzo[a]pyrene	252	11.761	11.767	-0.006	74	962577	1000.0	926.6	
105 Indeno[1,2,3-cd]pyrene	276	13.128	13.129	-0.001	97	941005	1000.0	910.1	
106 Dibenz(a,h)anthracene	278	13.166	13.178	-0.001	7	948888	1000.0	853.6	
107 Benzo[g,h,i]perylene	276	13.454	13.461	-0.007	92	1089023	1000.0	841.3	

QC Flag Legend

Processing Flags

NC - Not Calibrated

Review Flags

a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 18-Mar-2022 20:24:11 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A11.D

Injection Date: 18-Mar-2022 13:19:30 Instrument ID: TAC051

Lims ID: LCSD 580-383033/3-A

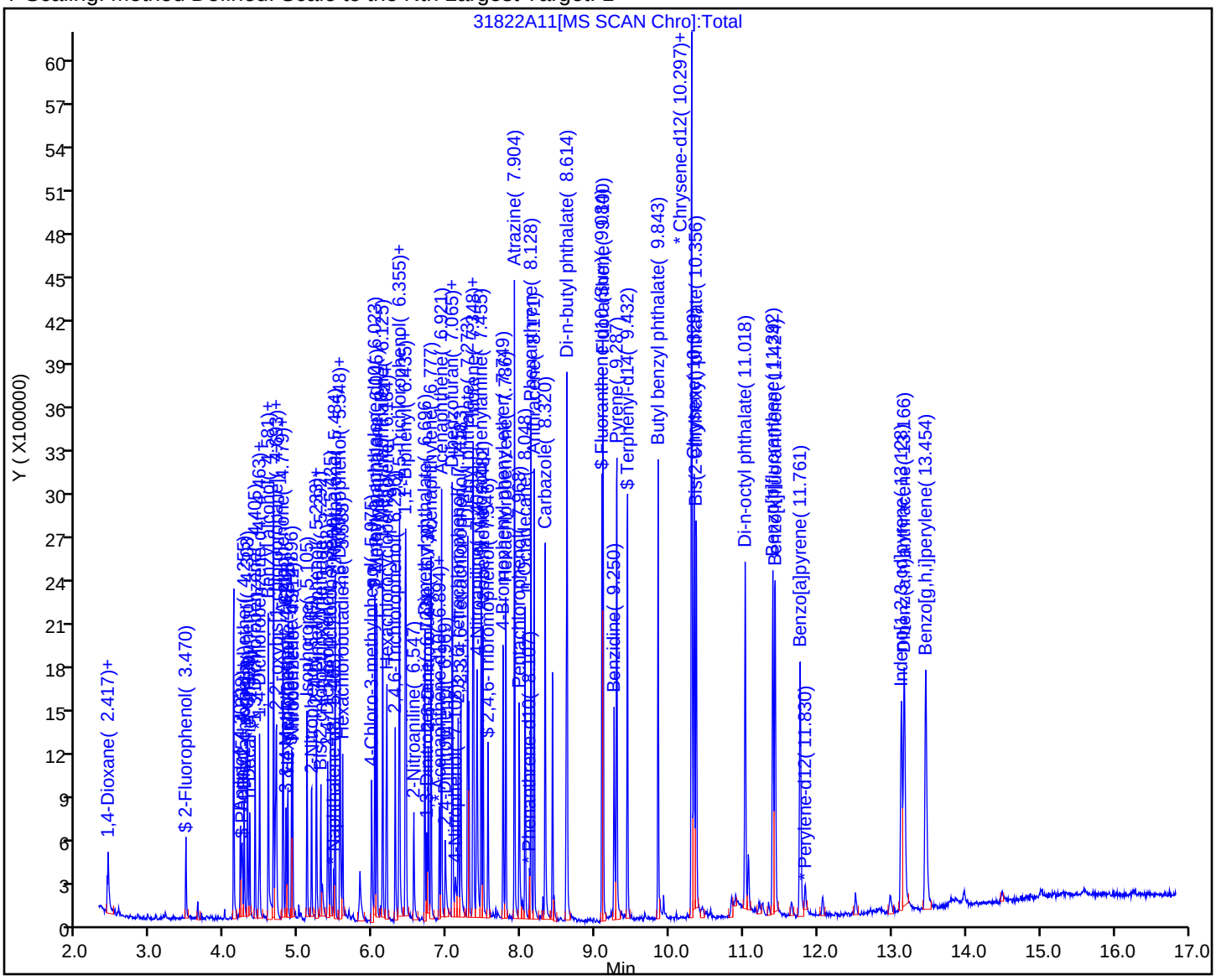
Client ID:

Operator ID: TL ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: 8270 TAC051 Limit Group: 8270D BNA QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\31822A11.D
Lims ID: LCSD 580-383033/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 18-Mar-2022 13:19:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: lcsd 580-383033/3-a
Operator ID: TL Instrument ID: TAC051

Method: \\chromfs\Seattle\ChromData\TAC051\20220318-81811.b\8270 TAC051.m
Limit Group: 8270D BNA QSM 5.0
Last Update: 18-Mar-2022 20:24:11 Calib Date: 24-Jan-2022 20:31:30
Integrator: RTE ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC051\20220124-81014.b\0124A19_.D

Column 1 : Det: MS SCAN
Process Host: CTX1663

First Level Reviewer: boylea Date: 18-Mar-2022 20:24:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 7 2-Fluorophenol	1000.0	480.2	48.02
$ 8 Phenol-d5	1000.0	318.5	31.85
$ 9 Nitrobenzene-d5	1000.0	736.0	73.60
$ 11 2-Fluorobiphenyl	1000.0	701.3	70.13
$ 12 2,4,6-Tribromophenol	1000.0	873.8	87.38
$ 14 Terphenyl-d14	1000.0	1137.4	113.74

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Start Date: 01/24/2022 16:16

Analysis Batch Number: 379142 End Date: 01/24/2022 21:17

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-379142/2		01/24/2022 16:16	1	0124A08_.D	ZB-SV 0.25(mm)
STD10 580-379142/4 IC		01/24/2022 17:04	1	0124A10_.D	ZB-SV 0.25(mm)
STD9 580-379142/5 IC		01/24/2022 17:28	1	0124A11_.D	ZB-SV 0.25(mm)
STD8 580-379142/6 IC		01/24/2022 17:51	1	0124A12_.D	ZB-SV 0.25(mm)
STD7IS 580-379142/7 ICIS		01/24/2022 18:14	1	0124A13_.D	ZB-SV 0.25(mm)
STD6 580-379142/8 IC		01/24/2022 18:37	1	0124A14_.D	ZB-SV 0.25(mm)
STD5 580-379142/9 IC		01/24/2022 19:00	1	0124A15_.D	ZB-SV 0.25(mm)
STD4 580-379142/10 IC		01/24/2022 19:23	1	0124A16_.D	ZB-SV 0.25(mm)
STD3 580-379142/11 IC		01/24/2022 19:45	1	0124A17_.D	ZB-SV 0.25(mm)
STD2 580-379142/12 IC		01/24/2022 20:08	1	0124A18_.D	ZB-SV 0.25(mm)
STD1 580-379142/13 IC		01/24/2022 20:31	1	0124A19_.D	ZB-SV 0.25(mm)
ICB 580-379142/14		01/24/2022 20:54	1		ZB-SV 0.25(mm)
ICV 580-379142/15		01/24/2022 21:17	1	0124A21_.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Start Date: 03/07/2022 10:41

Analysis Batch Number: 383057 End Date: 03/07/2022 20:20

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-383057/2		03/07/2022 10:41	1	30722A03.D	ZB-SV 0.25(mm)
CCVIS 580-383057/3		03/07/2022 11:12	1	30722A04.D	ZB-SV 0.25(mm)
CCVL 580-383057/4		03/07/2022 11:35	1	30722A05.D	ZB-SV 0.25(mm)
MB 580-383033/1-A		03/07/2022 17:38	1	30722A20.D	ZB-SV 0.25(mm)
LCS 580-383033/2-A		03/07/2022 18:01	1	30722A21.D	ZB-SV 0.25(mm)
LCSD 580-383033/3-A		03/07/2022 18:24	1	30722A22.D	ZB-SV 0.25(mm)
ZZZZZ		03/07/2022 18:47	1		ZB-SV 0.25(mm)
ZZZZZ		03/07/2022 19:11	1		ZB-SV 0.25(mm)
CCVC 580-383057/27		03/07/2022 20:20	1	30722A27.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Start Date: 03/08/2022 10:30

Analysis Batch Number: 383156 End Date: 03/08/2022 17:13

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-383156/2		03/08/2022 10:30	1	30822A03.D	ZB-SV 0.25(mm)
CCVIS 580-383156/3		03/08/2022 10:54	1	30822A04.D	ZB-SV 0.25(mm)
CCVL 580-383156/4		03/08/2022 11:18	1	30822A05.D	ZB-SV 0.25(mm)
580-110975-1	ERH2673 (RHMW07)	03/08/2022 12:03	1	30822A06.D	ZB-SV 0.25(mm)
580-110975-2	ERH2648 (RHMW08)	03/08/2022 12:26	1	30822A07.D	ZB-SV 0.25(mm)
580-110975-3	ERH2649 (OWDFMW07A)	03/08/2022 12:49	1	30822A08.D	ZB-SV 0.25(mm)
580-110975-4	ERH2650 (OWDFMW08A)	03/08/2022 13:12	1	30822A09.D	ZB-SV 0.25(mm)
580-110975-5	ERH2651 (OWDFMW08A FD)	03/08/2022 13:35	1	30822A10.D	ZB-SV 0.25(mm)
580-110975-6	ERH2652 (RHMW14-3)	03/08/2022 13:58	1	30822A11.D	ZB-SV 0.25(mm)
580-110975-7	ERH2653 (RHMW16)	03/08/2022 14:21	1	30822A12.D	ZB-SV 0.25(mm)
580-110975-8	ERH2654 (RHMW12A)	03/08/2022 14:45	1	30822A13.D	ZB-SV 0.25(mm)
580-110975-9	ERH2655 (RHMW04)	03/08/2022 15:08	1	30822A14.D	ZB-SV 0.25(mm)
CCVC 580-383156/15		03/08/2022 17:13	1	30822A15.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC051 Start Date: 03/18/2022 09:59

Analysis Batch Number: 384307 End Date: 03/18/2022 18:00

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-384307/2		03/18/2022 09:59	1	31822A03.D	ZB-SV 0.25(mm)
CCVIS 580-384307/3		03/18/2022 10:27	1	31822A04.D	ZB-SV 0.25(mm)
ZZZZZ		03/18/2022 11:22	1		ZB-SV 0.25(mm)
MB 580-383033/1-A RA		03/18/2022 11:46	1	31822A07.D	ZB-SV 0.25(mm)
ZZZZZ		03/18/2022 12:09	1		ZB-SV 0.25(mm)
ZZZZZ		03/18/2022 12:32	1		ZB-SV 0.25(mm)
LCS 580-383033/2-A RA		03/18/2022 12:56	1	31822A10.D	ZB-SV 0.25(mm)
LCSD 580-383033/3-A RA		03/18/2022 13:19	1	31822A11.D	ZB-SV 0.25(mm)
ZZZZZ		03/18/2022 13:43	1		ZB-SV 0.25(mm)
ZZZZZ		03/18/2022 14:06	1		ZB-SV 0.25(mm)
580-110975-1 RA	ERH2673 (RHMW07) RA	03/18/2022 14:30	1	31822A14.D	ZB-SV 0.25(mm)
580-110975-2 RA	ERH2648 (RHMW08) RA	03/18/2022 14:53	1	31822A15.D	ZB-SV 0.25(mm)
580-110975-3 RA	ERH2649 (OWDFMW07A) RA	03/18/2022 15:16	1	31822A16.D	ZB-SV 0.25(mm)
580-110975-4 RA	ERH2650 (OWDFMW08A) RA	03/18/2022 15:40	1	31822A17.D	ZB-SV 0.25(mm)
580-110975-5 RA	ERH2651 (OWDFMW08A FD) RA	03/18/2022 16:03	1	31822A18Z.D	ZB-SV 0.25(mm)
580-110975-6 RA	ERH2652 (RHMW14-3) RA	03/18/2022 16:27	1	31822A19.D	ZB-SV 0.25(mm)
580-110975-7 RA	ERH2653 (RHMW16) RA	03/18/2022 16:50	1	31822A20.D	ZB-SV 0.25(mm)
580-110975-8 RA	ERH2654 (RHMW12A) RA	03/18/2022 17:13	1	31822A21.D	ZB-SV 0.25(mm)
580-110975-9 RA	ERH2655 (RHMW04) RA	03/18/2022 17:37	1	31822A22.D	ZB-SV 0.25(mm)
CCVC 580-384307/22		03/18/2022 18:00	1	31822A23.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Batch Number: 383033 Batch Start Date: 03/07/22 09:32 Batch Analyst: Yu, Johnathon J

Batch Method: 3510C Batch End Date: 03/07/22 15:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-383033/1		3510C, 8270E				1000 mL	2 mL	7 SU	2 SU
LCS 580-383033/2		3510C, 8270E				1000 mL	2 mL	7 SU	2 SU
LCSD 580-383033/3		3510C, 8270E				1000 mL	2 mL	7 SU	2 SU
580-110975-B-1	ERH2673 (RHMW07)	3510C, 8270E	T	01461.20 g	00466.79 g	994.4 mL	2 mL	7 SU	2 SU
580-110975-A-2	ERH2648 (RHMW08)	3510C, 8270E	T	01460.63 g	00468.74 g	991.9 mL	2 mL	7 SU	2 SU
580-110975-B-3	ERH2649 (OWDFMW07A)	3510C, 8270E	T	01445.84 g	00467.69 g	978.2 mL	2 mL	7 SU	2 SU
580-110975-A-4	ERH2650 (OWDFMW08A)	3510C, 8270E	T	01460.93 g	00466.18 g	994.8 mL	2 mL	7 SU	2 SU
580-110975-A-5	ERH2651 (OWDFMW08A FD)	3510C, 8270E	T	01567.44 g	00514.94 g	1052.5 mL	2 mL	7 SU	2 SU
580-110975-B-6	ERH2652 (RHMW14-3)	3510C, 8270E	T	01460.86 g	00467.79 g	993.1 mL	2 mL	7 SU	2 SU
580-110975-A-7	ERH2653 (RHMW16)	3510C, 8270E	T	01463.72 g	00467.75 g	996 mL	2 mL	7 SU	2 SU
580-110975-A-8	ERH2654 (RHMW12A)	3510C, 8270E	T	01462.57 g	00468.57 g	994 mL	2 mL	7 SU	2 SU
580-110975-A-9	ERH2655 (RHMW04)	3510C, 8270E	T	01464.43 g	00466.72 g	997.7 mL	2 mL	7 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270flspk 00296	8270waterSurr 00118			
MB 580-383033/1		3510C, 8270E		12 SU		100 uL			
LCS 580-383033/2		3510C, 8270E		12 SU	100 uL	100 uL			
LCSD 580-383033/3		3510C, 8270E		12 SU	100 uL	100 uL			
580-110975-B-1	ERH2673 (RHMW07)	3510C, 8270E	T	12 SU		100 uL			
580-110975-A-2	ERH2648 (RHMW08)	3510C, 8270E	T	12 SU		100 uL			
580-110975-B-3	ERH2649 (OWDFMW07A)	3510C, 8270E	T	12 SU		100 uL			
580-110975-A-4	ERH2650 (OWDFMW08A)	3510C, 8270E	T	12 SU		100 uL			
580-110975-A-5	ERH2651 (OWDFMW08A FD)	3510C, 8270E	T	12 SU		100 uL			
580-110975-B-6	ERH2652 (RHMW14-3)	3510C, 8270E	T	12 SU		100 uL			
580-110975-A-7	ERH2653 (RHMW16)	3510C, 8270E	T	12 SU		100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Batch Number: 383033 Batch Start Date: 03/07/22 09:32 Batch Analyst: Yu, Johnathon J

Batch Method: 3510C Batch End Date: 03/07/22 15:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270flspk 00296	8270waterSurr 00118			
580-110975-A-8	ERH2654 (RHMW12A)	3510C, 8270E	T	12 SU		100 uL			
580-110975-A-9	ERH2655 (RHMW04)	3510C, 8270E	T	12 SU		100 uL			

Batch Notes	
Method/Fraction	3510C / 625.1 / 8270E
Balance ID	SEA225
pH Indicator ID	6007005 / 6911002
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	JJY/JHR
Reagent Water ID	DI
Analyst ID - Spike Analyst	JJY
Analyst ID - Spike Witness Analyst	MAE
Sufficient Volume for Batch QC	no
Acid Used for pH Adjustment ID	3020736
Prep Solvent ID	3076033
Prep Solvent Volume Used	180 mL
Filter ID	3048946
Na2SO4 ID	3058747
Analyst ID - Concentration	JJY /JHR
Equipment ID - Concentration 1	Steambath 1
Thermometer ID - Concentration 1	61013-040-1
Concentration 1 Uncorrected Temperature	70.0-75.0 Degrees C
Concentration 1 Corrected Temperature	69.4-74.4 Degrees C
Equipment ID - Concentration 2	Turbovap 5
Thermometer ID - Concentration 2	DIGITALREADOUT
Concentration 2 Uncorrected Temperature	22.0 Degrees C
Concentration 2 Corrected Temperature	20.0 Degrees C
Vial Lot Number	24165097
Batch Comment	Vialed by: MAE

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Batch Number: 383033 Batch Start Date: 03/07/22 09:32 Batch Analyst: Yu, Johnathon J

Batch Method: 3510C Batch End Date: 03/07/22 15:04

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

8270E_SIM_DOD5

Semivolatile Organic Compounds (GC/MS SIM)

FORM II
GC/MS SEMI VOA SURROGATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Matrix: Water Level: Low

GC Column (1): ZB-SV ID: 0.25(mm)

Client Sample ID	Lab Sample ID	2MN #	FLN10 #	TPHL #
ERH2673 (RHMW07)	580-110975-1	69	101	112
ERH2648 (RHMW08)	580-110975-2	58	95	104
ERH2649 (OWDFMW07A)	580-110975-3	60	102	112
ERH2650 (OWDFMW08A)	580-110975-4	71	95	105
ERH2651 (OWDFMW08A FD)	580-110975-5	61	84	93
ERH2652 (RHMW14-3)	580-110975-6	58	91	101
ERH2653 (RHMW16)	580-110975-7	49	82	93
ERH2654 (RHMW12A)	580-110975-8	53	83	93
ERH2655 (RHMW04)	580-110975-9	61	93	103
	MB 580-383033/1-A	61 M	94	103
	LCS 580-383033/2-A	65	86	95
	LCSD 580-383033/3-A	61 M	86	94

	QC LIMITS
2MN = 2-methylnaphthalene-d10	40-140
FLN10 = Fluoranthene-d10 (Surr)	40-140
TPHL = Terphenyl-d14	58-132

Column to be used to flag recovery values

FORM II 8270E SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: SIM030822a008.D

Lab ID: LCS 580-383033/2-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC	QC LIMITS REC	#
1-Methylnaphthalene	2.00	1.36	68	41-115	
2-Methylnaphthalene	2.00	1.33	66	39-114	
Acenaphthene	2.00	1.37	68	48-114	
Acenaphthylene	2.00	1.31	65	35-121	
Anthracene	2.00	1.68	84	53-119	
Benzo[a]anthracene	2.00	1.63	82	59-120	
Benzo[a]pyrene	2.00	1.66	83	53-120	
Benzo[b]fluoranthene	2.00	1.58	79	53-126	
Benzo[g,h,i]perylene	2.00	1.86	93	44-128	
Benzo[k]fluoranthene	2.00	1.99	99	54-125	
Chrysene	2.00	1.74	87	57-120	
Dibenz(a,h)anthracene	2.00	1.79	90	44-131	M
Fluoranthene	2.00	1.74	87	58-120	
Fluorene	2.00	1.52	76	50-118	
Indeno[1,2,3-cd]pyrene	2.00	1.48	74	48-130	M
Naphthalene	2.00	1.40	70	43-114	
Phenanthrene	2.00	1.55	78	53-115	
Pyrene	2.00	1.72	86	53-121	

Column to be used to flag recovery and RPD values

FORM III 8270E SIM

FORM III
GC/MS SEMI VOA LAB CONTROL SAMPLE DUPLICATE RECOVERY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Matrix: Water Level: Low Lab File ID: SIM030822a009.D

Lab ID: LCSD 580-383033/3-A Client ID:

COMPOUND	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC	% RPD	QC LIMITS RPD	QC LIMITS REC	#
1-Methylnaphthalene	2.00	1.11	56	20	20	41-115	
2-Methylnaphthalene	2.00	1.07	54	22	20	39-114	Q
Acenaphthene	2.00	1.25	62	9	20	48-114	
Acenaphthylene	2.00	1.19	59	10	20	35-121	
Anthracene	2.00	1.65	82	2	20	53-119	
Benzo[a]anthracene	2.00	1.69	85	4	20	59-120	
Benzo[a]pyrene	2.00	1.74	87	5	20	53-120	
Benzo[b]fluoranthene	2.00	1.75	87	10	20	53-126	
Benzo[g,h,i]perylene	2.00	1.98	99	6	20	44-128	
Benzo[k]fluoranthene	2.00	2.10	105	6	20	54-125	
Chrysene	2.00	1.80	90	3	20	57-120	
Dibenz(a,h)anthracene	2.00	1.90	95	6	20	44-131	M
Fluoranthene	2.00	1.77	88	2	20	58-120	
Fluorene	2.00	1.40	70	8	20	50-118	
Indeno[1,2,3-cd]pyrene	2.00	1.72	86	15	20	48-130	M
Naphthalene	2.00	1.18	59	17	20	43-114	
Phenanthrene	2.00	1.51	75	3	20	53-115	
Pyrene	2.00	1.75	88	2	20	53-121	

Column to be used to flag recovery and RPD values

FORM III 8270E SIM

FORM IV
GC/MS SEMI VOA METHOD BLANK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab File ID: SIM030822a007.D Lab Sample ID: MB 580-383033/1-A

Matrix: Water Date Extracted: 03/07/2022 09:32

Instrument ID: TAC050 Date Analyzed: 03/08/2022 12:09

Level:(Low/Med) Low

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
	LCS 580-383033/2-A	SIM030822a008.D	03/08/2022 12:28
	LCSD 580-383033/3-A	SIM030822a009.D	03/08/2022 12:48
ERH2673 (RHMW07)	580-110975-1	SIM030822a011.D	03/08/2022 13:26
ERH2648 (RHMW08)	580-110975-2	SIM030822a012.D	03/08/2022 13:45
ERH2649 (OWDFMW07A)	580-110975-3	SIM030822a013.D	03/08/2022 14:04
ERH2650 (OWDFMW08A)	580-110975-4	SIM030822a014.D	03/08/2022 14:23
ERH2651 (OWDFMW08A FD)	580-110975-5	SIM030822a015.D	03/08/2022 14:43
ERH2652 (RHMW14-3)	580-110975-6	SIM030822a016.D	03/08/2022 15:02
ERH2653 (RHMW16)	580-110975-7	SIM030822a017.D	03/08/2022 15:21
ERH2654 (RHMW12A)	580-110975-8	SIM030822a018.D	03/08/2022 15:40
ERH2655 (RHMW04)	580-110975-9	SIM030822a019.D	03/08/2022 15:59

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab File ID: SIM011322b012.D DFTPP Injection Date: 01/14/2022

Instrument ID: TAC050 DFTPP Injection Time: 00:35

Analysis Batch No.: 378263

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 198	17.1	
68	Less than 2.0 % of mass 69	0.1	(0.7) 1
69	Mass 69 relative abundance	21.5	
70	Less than 2.0 % of mass 69	0.1	(0.5) 1
127	10.0 - 80.0 % of mass 198	47.9	
197	Less than 2.0 % of mass 198	0.0	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	6.9	
275	10.0 - 60.0 % of mass 198	27.4	
365	Greater than 1.0 % of mass 198	5.8	
441	Present but less than mass 443	24.9	
442	Greater than 50.0 % of mass 198	179.2	
443	15.0 - 24.0 % of mass 442	32.4	(18.1) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	STD13 580-378263/4	SIM011322b014	01/14/2022	1:16
	STD12 580-378263/5	SIM011322b015	01/14/2022	1:35
	STD11 580-378263/6	SIM011322b016	01/14/2022	1:54
	STD10 580-378263/7	SIM011322b017	01/14/2022	2:13
	STD9IS 580-378263/8	SIM011322b018	01/14/2022	2:32
	STD8 580-378263/9	SIM011322b019	01/14/2022	2:51
	STD7 580-378263/10	SIM011322b020	01/14/2022	3:10
	STD6 580-378263/11	SIM011322b021	01/14/2022	3:29
	STD5 580-378263/12	SIM011322b022	01/14/2022	3:48
	STD4 580-378263/13	SIM011322b023	01/14/2022	4:07
	STD3 580-378263/14	SIM011322b024	01/14/2022	4:26
	STD2 580-378263/15	SIM011322b025	01/14/2022	4:45
	STD1 580-378263/16	SIM011322b026	01/14/2022	5:04
	ICV 580-378263/18	SIM011322b028	01/14/2022	5:42

FORM V
GC/MS SEMI VOA INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab File ID: SIM030822a005.D DFTPP Injection Date: 03/08/2022

Instrument ID: TAC050 DFTPP Injection Time: 11:21

Analysis Batch No.: 383161

M/E	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	10.0 - 80.0 % of mass 198	16.3	
68	Less than 2.0 % of mass 69	0.2	(0.8) 1
69	Mass 69 relative abundance	20.5	
70	Less than 2.0 % of mass 69	0.1	(0.6) 1
127	10.0 - 80.0 % of mass 198	44.5	
197	Less than 2.0 % of mass 198	0.3	
198	Base Peak, 100% relative abundance	100.0	
199	5.0 - 9.0 % of mass 198	6.5	
275	10.0 - 60.0 % of mass 198	29.6	
365	Greater than 1.0 % of mass 198	5.9	
441	Present but less than mass 443	28.9	
442	Greater than 50.0 % of mass 198	190.4	
443	15.0 - 24.0 % of mass 442	36.9	(19.4) 2

1-Value is % mass 69 2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS AND STANDARDS:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
	CCVIS 580-383161/3	SIM030822a006	03/08/2022	11:50
	MB 580-383033/1-A	SIM030822a007	03/08/2022	12:09
	LCS 580-383033/2-A	SIM030822a008	03/08/2022	12:28
	LCSD 580-383033/3-A	SIM030822a009	03/08/2022	12:48
ERH2673 (RHMW07)	580-110975-1	SIM030822a011	03/08/2022	13:26
ERH2648 (RHMW08)	580-110975-2	SIM030822a012	03/08/2022	13:45
ERH2649 (OWDFMW07A)	580-110975-3	SIM030822a013	03/08/2022	14:04
ERH2650 (OWDFMW08A)	580-110975-4	SIM030822a014	03/08/2022	14:23
ERH2651 (OWDFMW08A FD)	580-110975-5	SIM030822a015	03/08/2022	14:43
ERH2652 (RHMW14-3)	580-110975-6	SIM030822a016	03/08/2022	15:02
ERH2653 (RHMW16)	580-110975-7	SIM030822a017	03/08/2022	15:21
ERH2654 (RHMW12A)	580-110975-8	SIM030822a018	03/08/2022	15:40
ERH2655 (RHMW04)	580-110975-9	SIM030822a019	03/08/2022	15:59
	CCVC 580-383161/52	SIM030822a022	03/08/2022	16:57

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Sample No.: CCVIS 580-383161/3 Date Analyzed: 03/08/2022 11:50

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): SIM030822a006.D Heated Purge: (Y/N) N

Calibration ID: 31897

		NPT		ANT		PHN	
		AREA #	RT #	AREA #	RT #	AREA #	RT #
12/24 HOUR STD		17961	5.17	7693	6.86	12701	8.33
UPPER LIMIT		35922	5.67	15386	7.36	25402	8.83
LOWER LIMIT		8981	4.67	3847	6.36	6351	7.83
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-383033/1-A		17977	5.17	6665	6.86	12924	8.33
LCS 580-383033/2-A		18570	5.17	9255	6.85	15182	8.32
LCSD 580-383033/3-A		19703	5.17	9308	6.85	15516	8.32
580-110975-1	ERH2673 (RHMW07)	14845	5.17	6848	6.85	12070	8.32
580-110975-2	ERH2648 (RHMW08)	16492	5.17	6583	6.85	11931	8.32
580-110975-3	ERH2649 (OWDFMW07A)	17178	5.17	6435	6.86	11795	8.33
580-110975-4	ERH2650 (OWDFMW08A)	15434	5.17	5658	6.86	11620	8.33
580-110975-5	ERH2651 (OWDFMW08A FD)	16513	5.17	6012	6.86	12231	8.33
580-110975-6	ERH2652 (RHMW14-3)	16197	5.17	5820	6.86	12159	8.33
580-110975-7	ERH2653 (RHMW16)	16226	5.17	5905	6.86	11555	8.33
580-110975-8	ERH2654 (RHMW12A)	16881	5.17	6050	6.86	12605	8.33
580-110975-9	ERH2655 (RHMW04)	15665	5.17	5653	6.86	11422	8.33
CCVC 580-383161/52		18337	5.17	8198	6.85	14297	8.32

NPT = Naphthalene-d8
ANT = Acenaphthene-d10
PHN = Phenanthrene-d10

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E SIM

FORM VIII
GC/MS SEMI VOA INTERNAL STANDARD AREA AND RETENTION TIME SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Sample No.: CCVIS 580-383161/3 Date Analyzed: 03/08/2022 11:50

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm)

Lab File ID (Standard): SIM030822a006.D Heated Purge: (Y/N) N

Calibration ID: 31897

		CRY		PRY			
		AREA #	RT #	AREA #	RT #	#	RT #
12/24 HOUR STD		10609	11.04	11020	13.11		
UPPER LIMIT		21218	11.54	22040	13.61		
LOWER LIMIT		5305	10.54	5510	12.61		
LAB SAMPLE ID	CLIENT SAMPLE ID						
MB 580-383033/1-A		10478	11.05	10697	13.11		
LCS 580-383033/2-A		12432	11.04	13496	13.10		
LCSD 580-383033/3-A		12508	11.04	13084	13.09		
580-110975-1	ERH2673 (RHMW07)	9743	11.04	8265	13.09		
580-110975-2	ERH2648 (RHMW08)	10260	11.04	11991	13.10		
580-110975-3	ERH2649 (OWDFMW07A)	10353	11.04	11393	13.11		
580-110975-4	ERH2650 (OWDFMW08A)	9528	11.05	11023	13.10		
580-110975-5	ERH2651 (OWDFMW08A FD)	9875	11.04	11317	13.10		
580-110975-6	ERH2652 (RHMW14-3)	9898	11.04	10803	13.10		
580-110975-7	ERH2653 (RHMW16)	9784	11.04	11238	13.10		
580-110975-8	ERH2654 (RHMW12A)	10095	11.04	11268	13.10		
580-110975-9	ERH2655 (RHMW04)	9257	11.05	10231	13.11		
CCVC 580-383161/52		11616	11.04	12792	13.10		

CRY = Chrysene-d12
PRY = Perylene-d12

Area Limit = 50%-200% of internal standard area
RT Limit = ± 0.5 minutes of internal standard RT

Column used to flag values outside QC limits

FORM VIII 8270E SIM

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2673 (RHMW07) | Lab Sample ID: 580-110975-1

Matrix: Water | Lab File ID: SIM030822a011.D

Analysis Method: 8270E SIM | Date Collected: 03/01/2022 08:55

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 994.4(mL) | Date Analyzed: 03/08/2022 13:26

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383161 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.080	U M Q	0.20	0.080	0.039
83-32-9	Acenaphthene	0.032	U M	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U M	0.050	0.032	0.0091
120-12-7	Anthracene	0.080	U M	0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	0.032	U M	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U M	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U M	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U M	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U M	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U M	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U M	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U M	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U M	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.015	J M	0.050	0.032	0.014
91-20-3	Naphthalene	0.080	U M	0.10	0.080	0.031
85-01-8	Phenanthrene	0.080	U M	0.10	0.080	0.031
129-00-0	Pyrene	0.080	U M	0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	69		40-140
93951-69-0	Fluoranthene-d10 (Surr)	101		40-140
1718-51-0	Terphenyl-d14	112		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D
Lims ID: 580-110975-B-1-A
Client ID: ERH6573 (RHMW07)
Sample Type: Client
Inject. Date: 08-Mar-2022 13:26:30 ALS Bottle#: 8 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-B-1-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:02:47 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:02:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	14845	100.0	
* 2 Acenaphthene-d10	164	6.854	6.858	-0.004	70	6848	100.0	
* 3 Phenanthrene-d10	188	8.319	8.326	-0.007	56	12070	100.0	
* 4 Chrysene-d12	240	11.035	11.044	-0.009	49	9743	100.0	
* 5 Perylene-d12	264	13.093	13.111	-0.018	69	8265	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	60797	692.3	
$ 10 2-Fluorobiphenyl	172	6.190	6.193	-0.003	0	76312	696.4	a
$ 7 2,4,6-Tribromophenol	330	7.632	7.646	-0.014	58	18186	965.0	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.514	-0.008	68	125565	1007.1	
$ 9 Terphenyl-d14	244	9.896	9.908	-0.012	94	108015	1116.6	
11 Naphthalene	128	5.189	5.189	0.000	45	467	2.97	a
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	398	4.47	a
13 1-Methylnaphthalene	141	5.937	5.937	0.000	100	60	0.6957	Ma
14 Acenaphthylene	152	6.717	6.717	0.000	99	354	2.45	M
15 Acenaphthene	153	6.884	6.884	0.000	89	352	3.87	M
16 Fluorene	166	7.394	7.394	0.000	96	647	6.39	M
17 Pentachlorophenol	266	8.142	8.154	-0.012	96	79	89.1	M
18 Phenanthrene	178	8.342	8.350	-0.008	99	1348	7.75	M
19 Anthracene	178	8.393	8.401	-0.008	100	868	4.76	M
20 Fluoranthene	202	9.522	9.534	-0.012	29	869	4.62	M
21 Pyrene	202	9.750	9.758	-0.008	48	861	4.22	M
22 Benzo[a]anthracene	228	11.021	11.030	-0.009	26	459	1.97	Ma
23 Chrysene	228	11.062	11.076	-0.014	99	532	2.16	M
30 Bis(2-ethylhexyl) phthalate	149	11.885	11.895	-0.010	0	218	0.6214	M
24 Benzo[b]fluoranthene	252	12.484	12.498	-0.014	94	582	4.59	M
25 Benzo[k]fluoranthene	252	12.525	12.539	-0.014	96	561	3.86	M
26 Benzo[a]pyrene	252	13.001	13.015	-0.014	98	368	2.61	M
27 Indeno[1,2,3-cd]pyrene	276	14.973	14.984	-0.011	94	649	7.42	M
28 Dibenz(a,h)anthracene	278	15.011	15.033	-0.022	97	386	3.11	M
29 Benzo[g,h,i]perylene	276	15.467	15.477	-0.010	93	722	5.70	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 11:02:47 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D

Injection Date: 08-Mar-2022 13:26:30 Instrument ID: TAC050

Lims ID: 580-110975-B-1-A Lab Sample ID: 580-110975-1

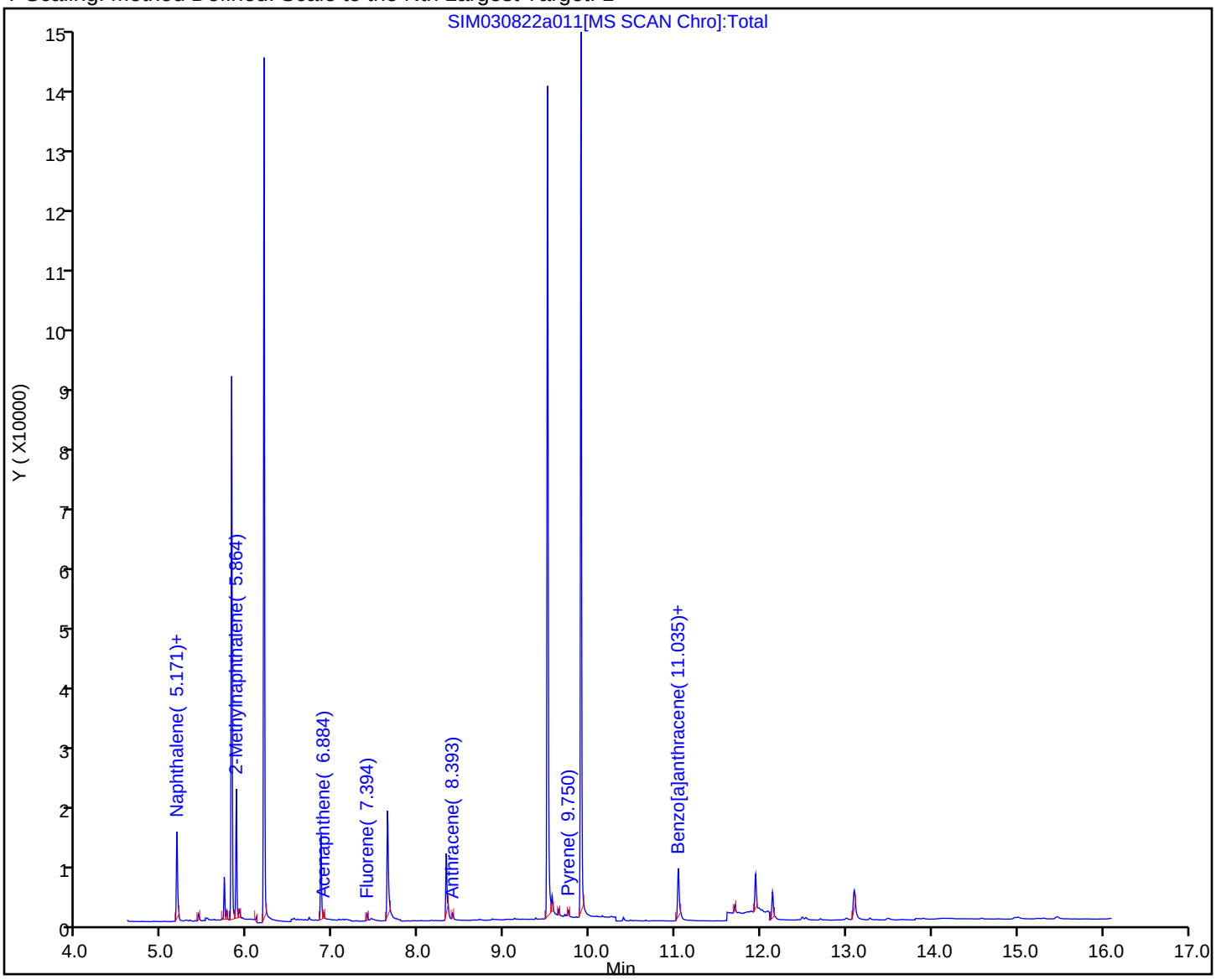
Client ID: ERH6573 (RHMW07)

Operator ID: tl ALS Bottle#: 8 Worklist Smp#: 41

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D
Lims ID: 580-110975-B-1-A
Client ID: ERH6573 (RHMW07)
Sample Type: Client
Inject. Date: 08-Mar-2022 13:26:30 ALS Bottle#: 8 Worklist Smp#: 41
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-B-1-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:02:47 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

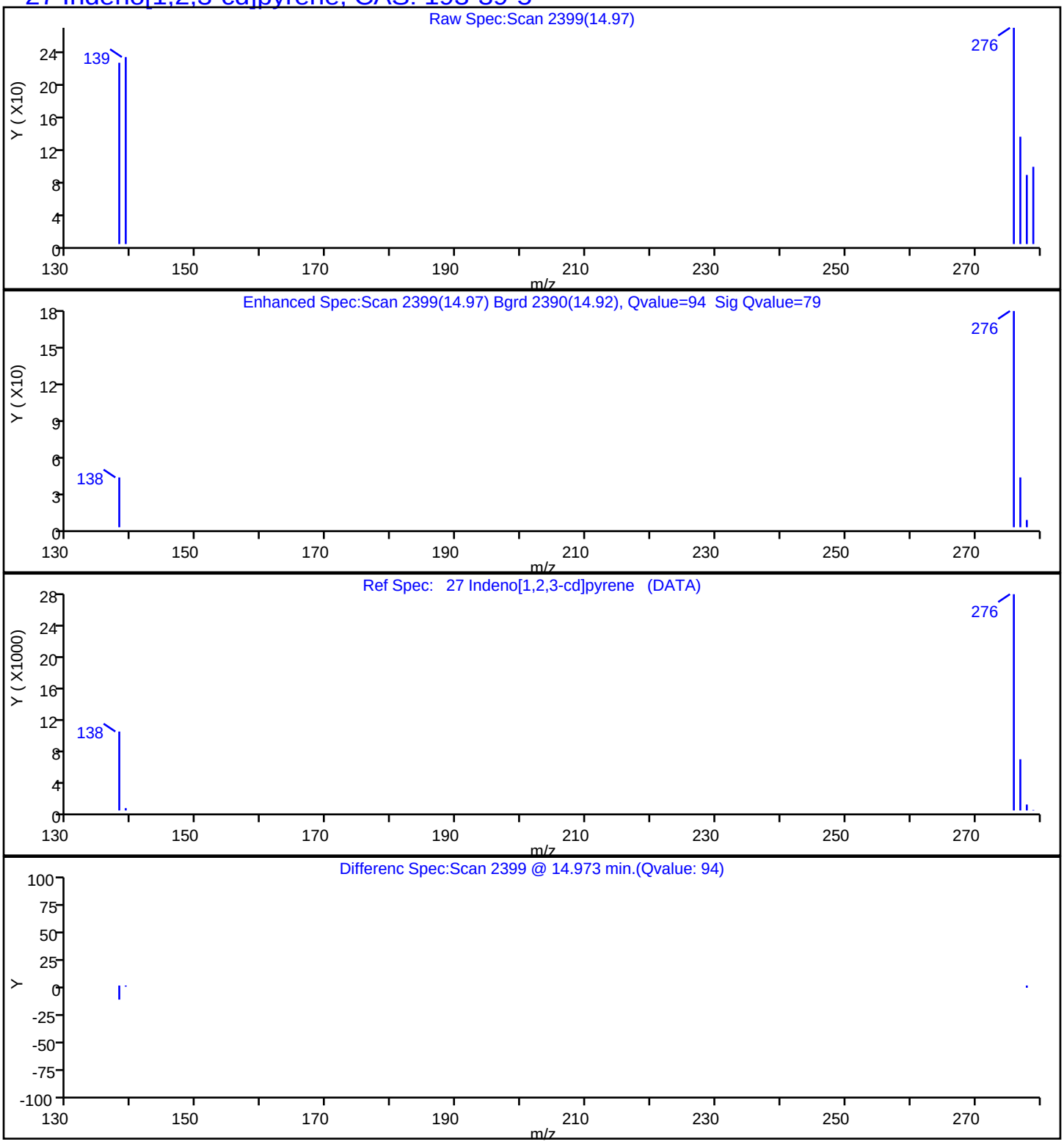
First Level Reviewer: jantanuc Date: 09-Mar-2022 11:02:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	692.3	69.23
$ 10 2-Fluorobiphenyl	1000.0	696.4	69.64
$ 7 2,4,6-Tribromophenol	1000.0	965.0	96.50
$ 8 Fluoranthene-d10 (Surr)	1000.0	1007.1	100.71
$ 9 Terphenyl-d14	1000.0	1116.6	111.66

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5



Manual Integration/User Assign Peak Report

Eurofins Seattle

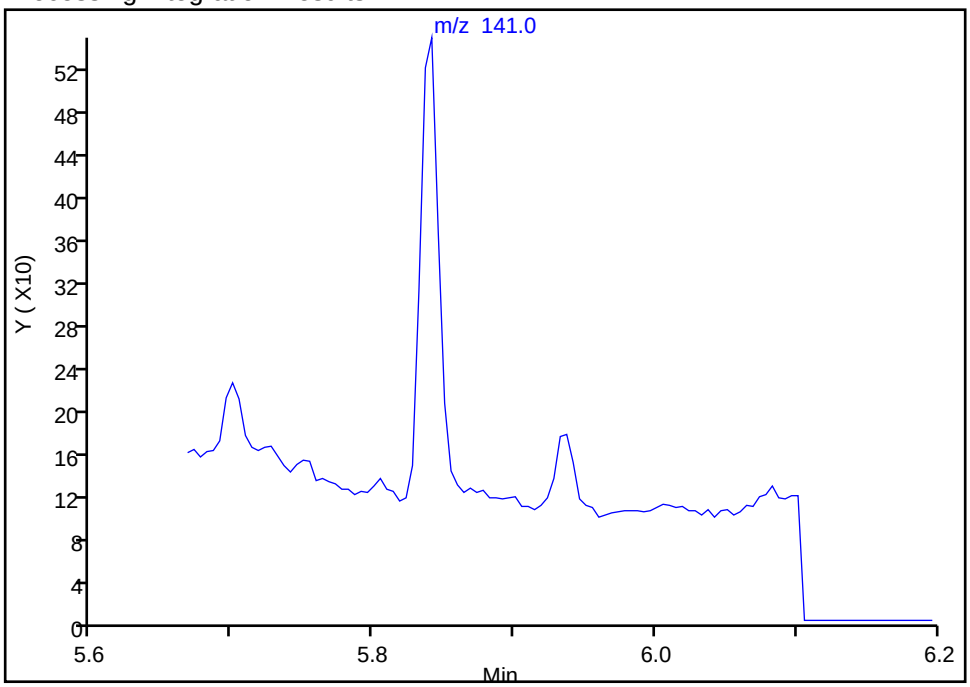
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

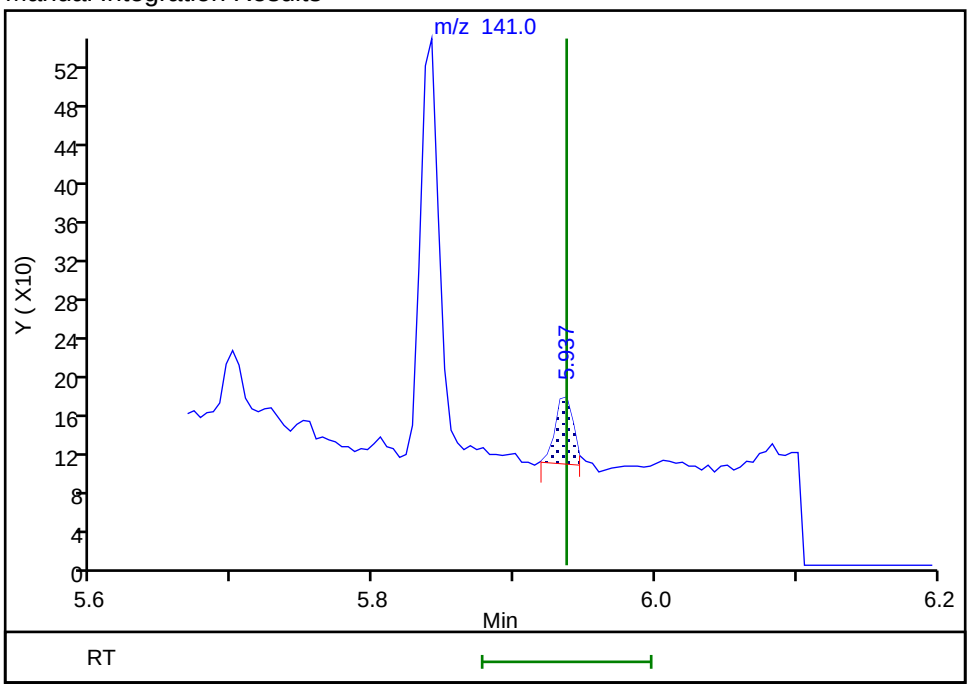
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 60
Amount: 0.695656
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:00:58
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

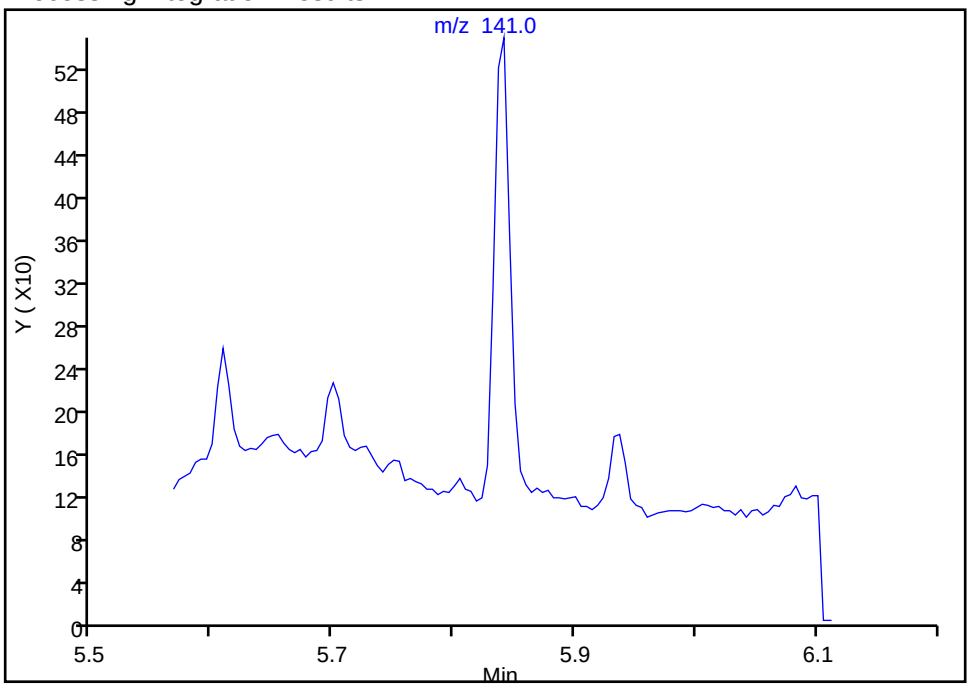
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

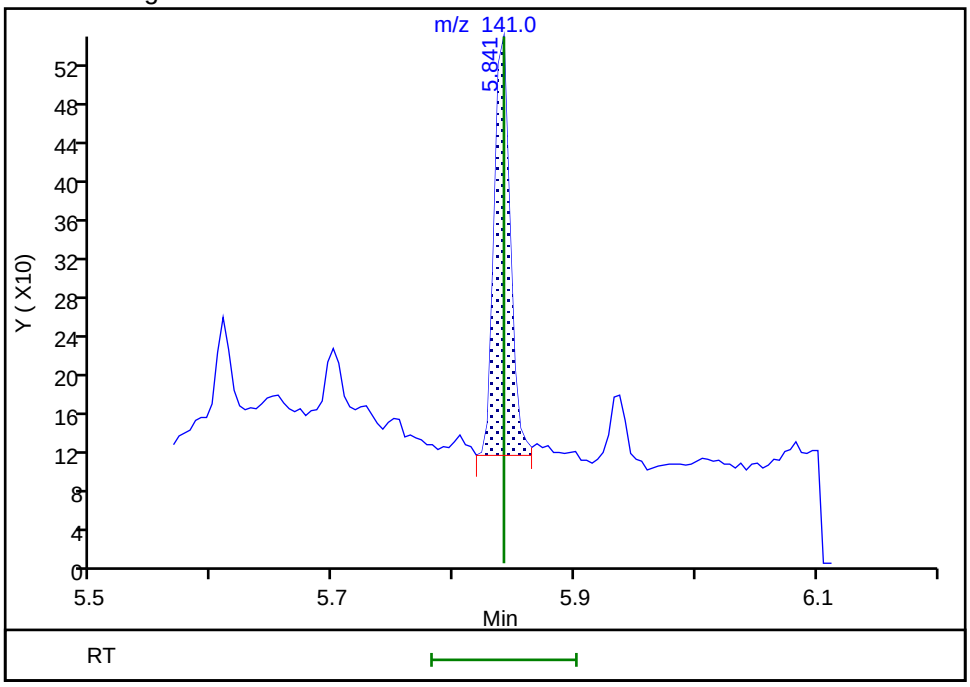
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 398
Amount: 4.469686
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:00:48
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

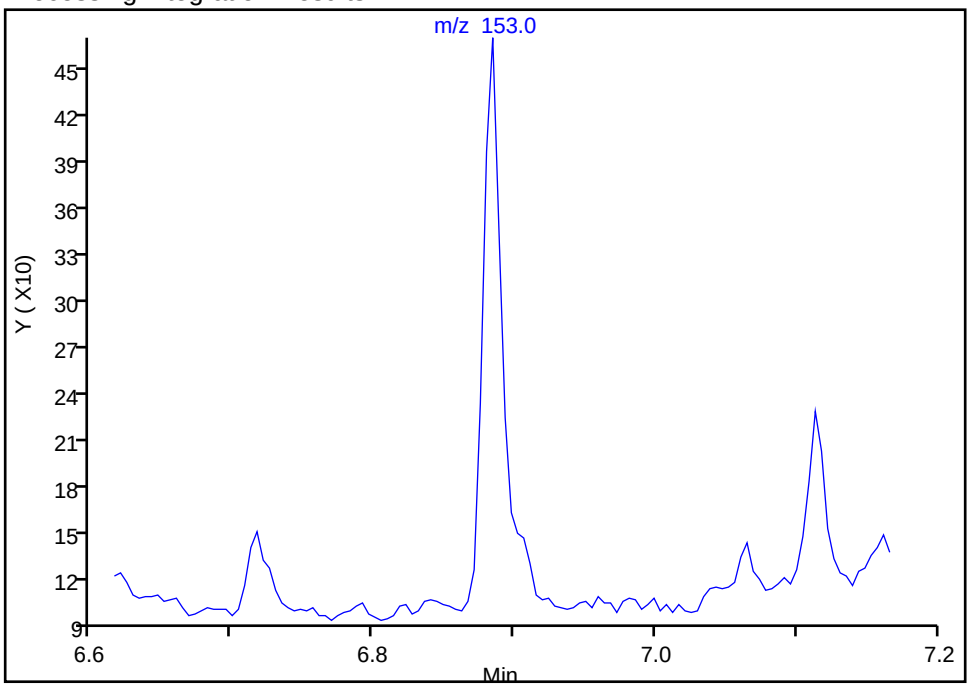
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

15 Acenaphthene, CAS: 83-32-9

Signal: 1

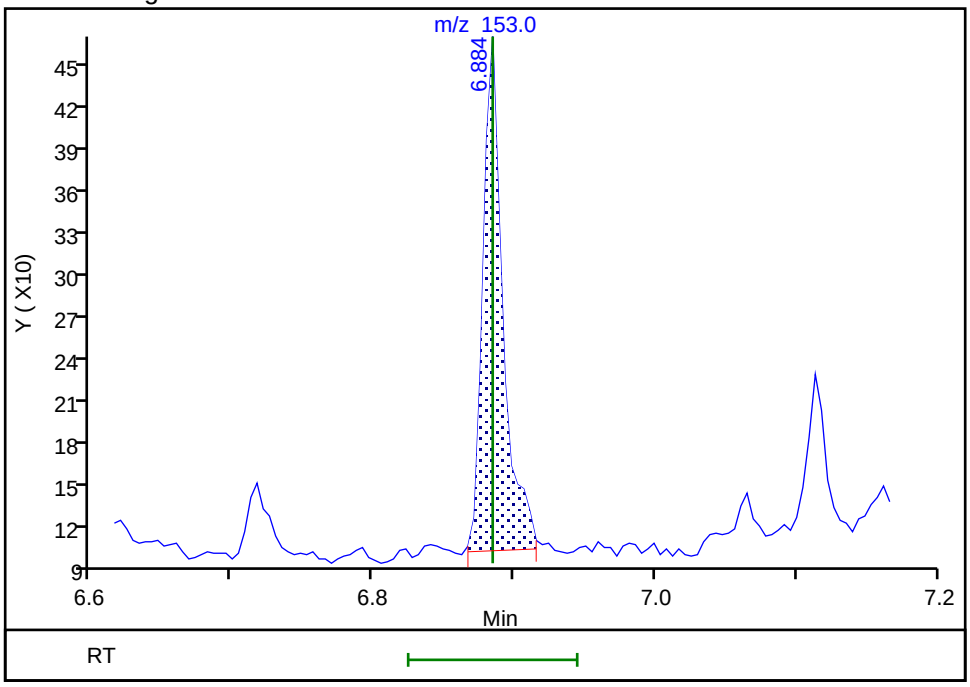
Not Detected
Expected RT: 6.88

Processing Integration Results



Manual Integration Results

RT: 6.88
Area: 352
Amount: 3.874324
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:01:08
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

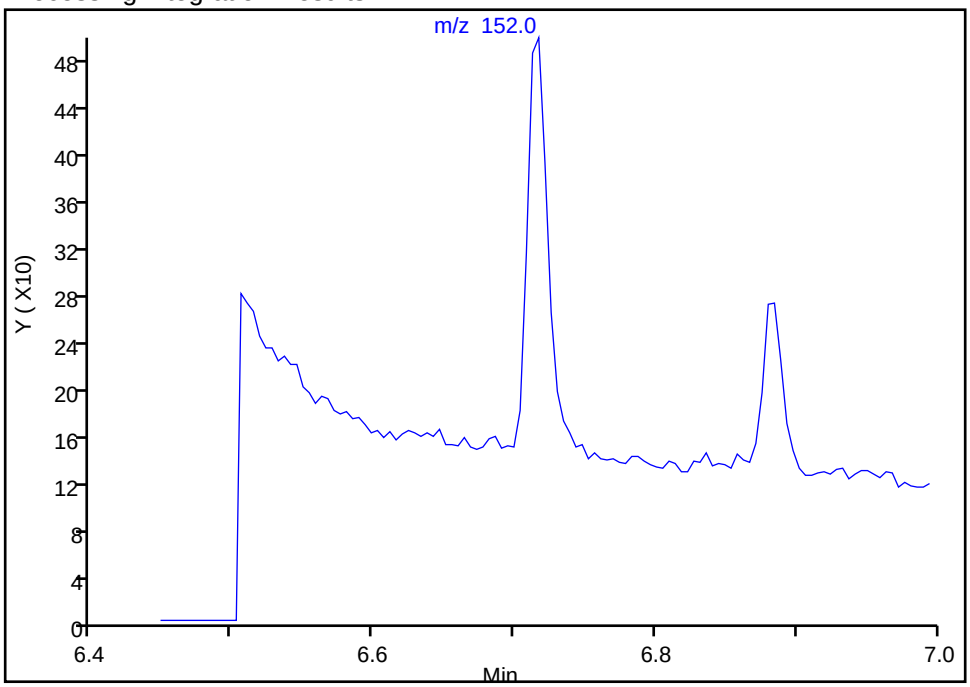
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

14 Acenaphthylene, CAS: 208-96-8

Signal: 1

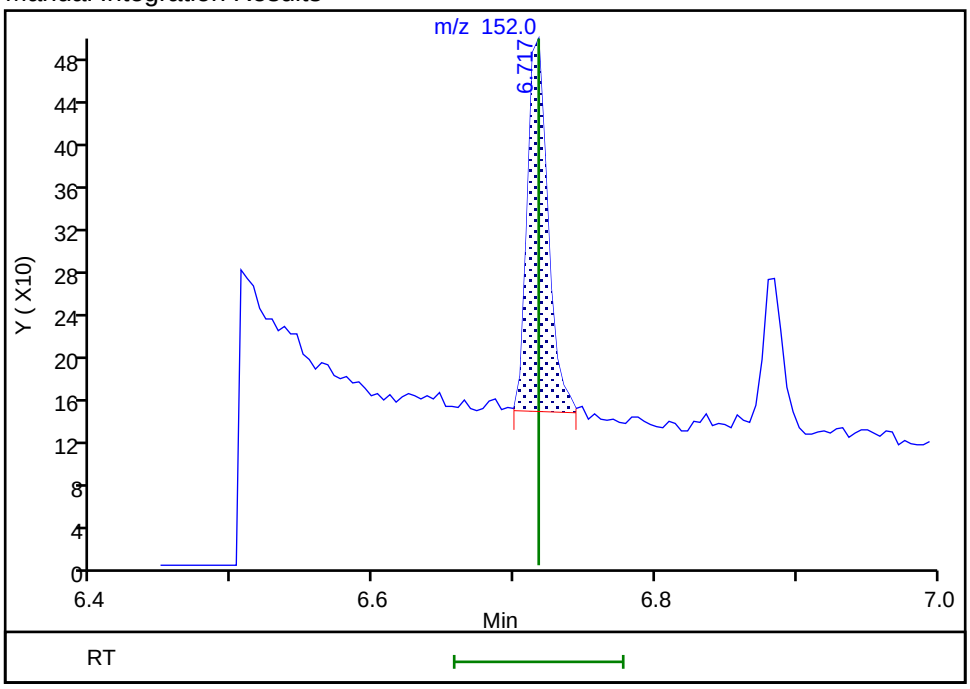
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 354
Amount: 2.445154
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:01:03
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

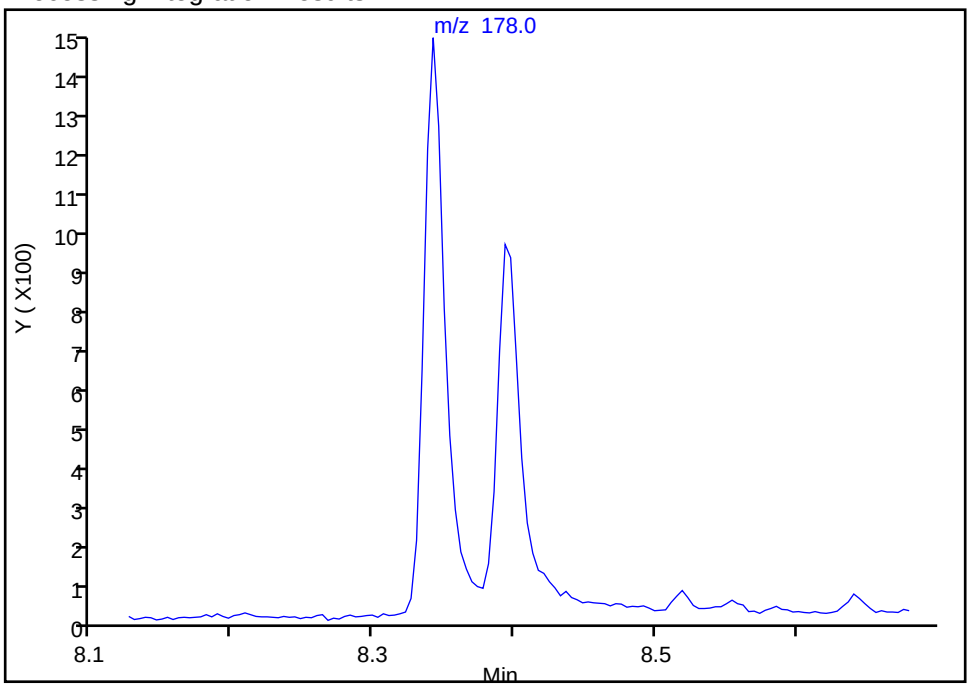
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

19 Anthracene, CAS: 120-12-7

Signal: 1

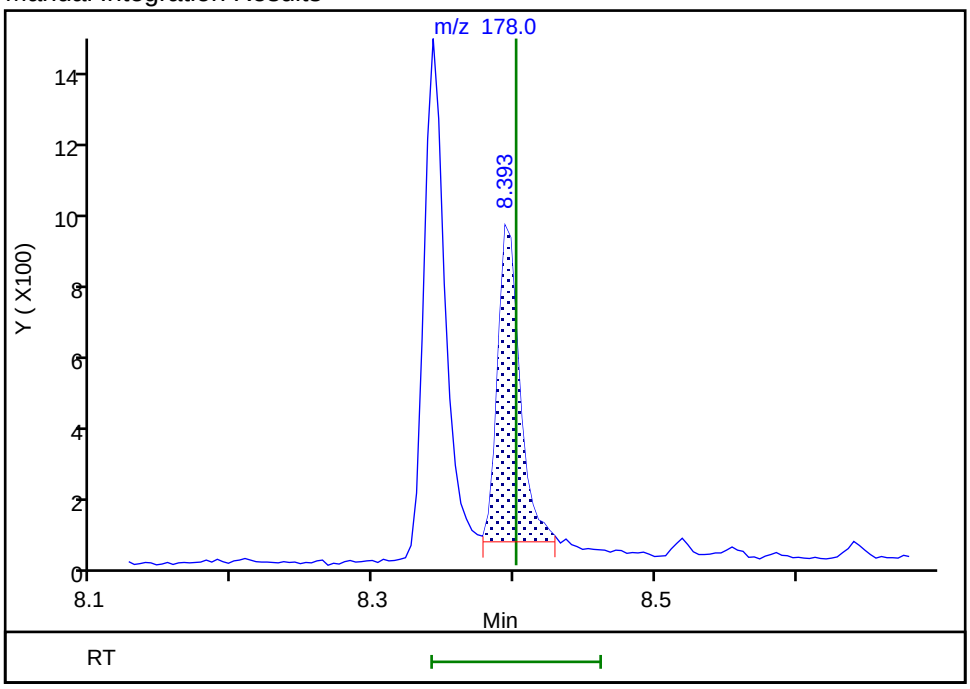
Not Detected
Expected RT: 8.40

Processing Integration Results



Manual Integration Results

RT: 8.39
Area: 868
Amount: 4.758028
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:01:31
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

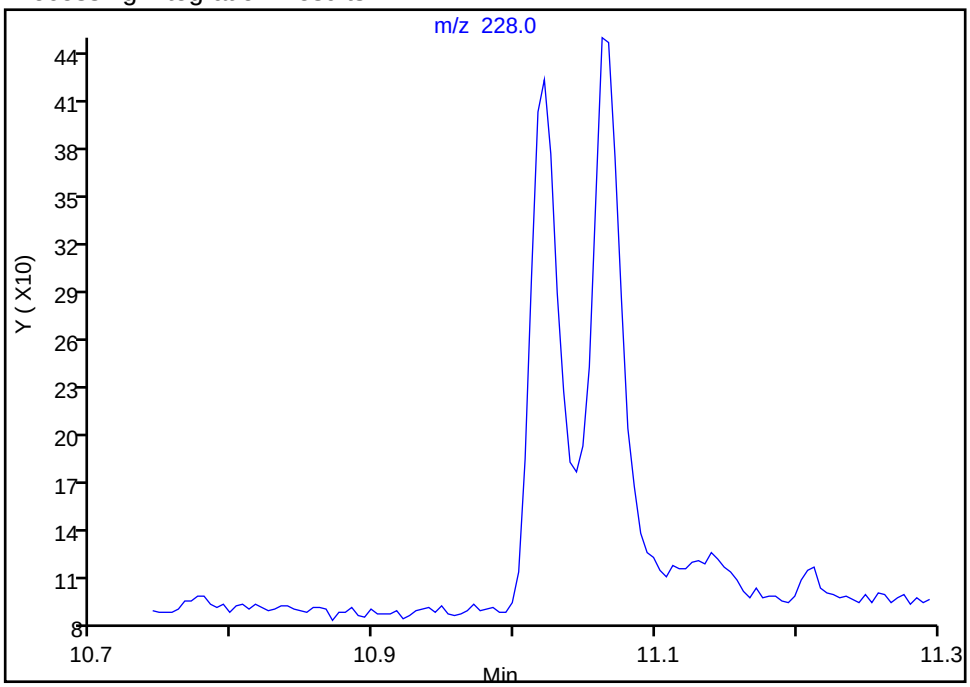
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

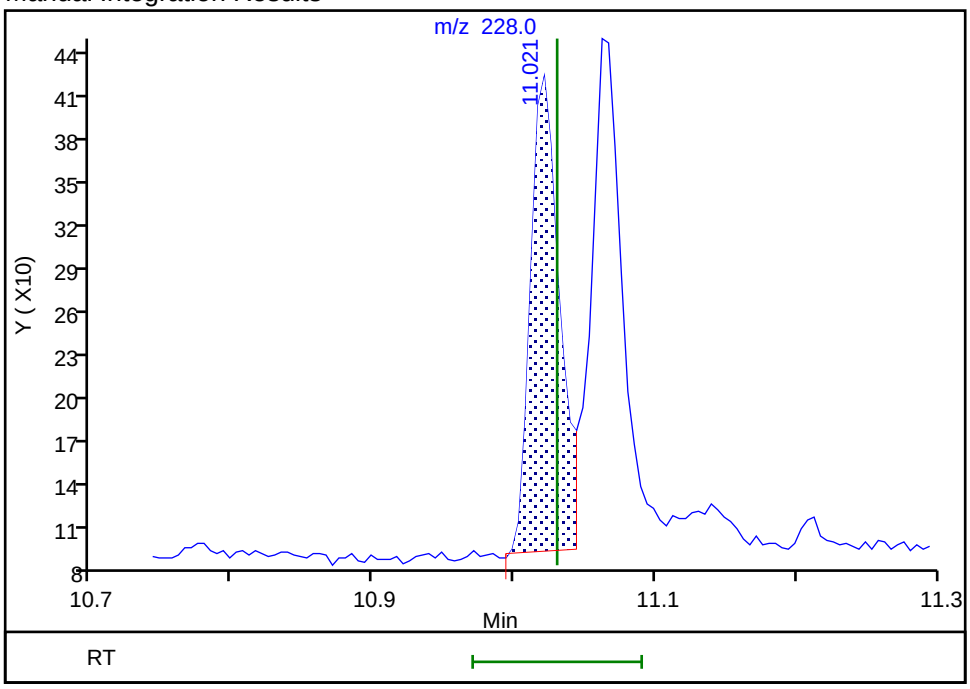
Not Detected
Expected RT: 11.03

Processing Integration Results



Manual Integration Results

RT: 11.02
Area: 459
Amount: 1.969687
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:01:52
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

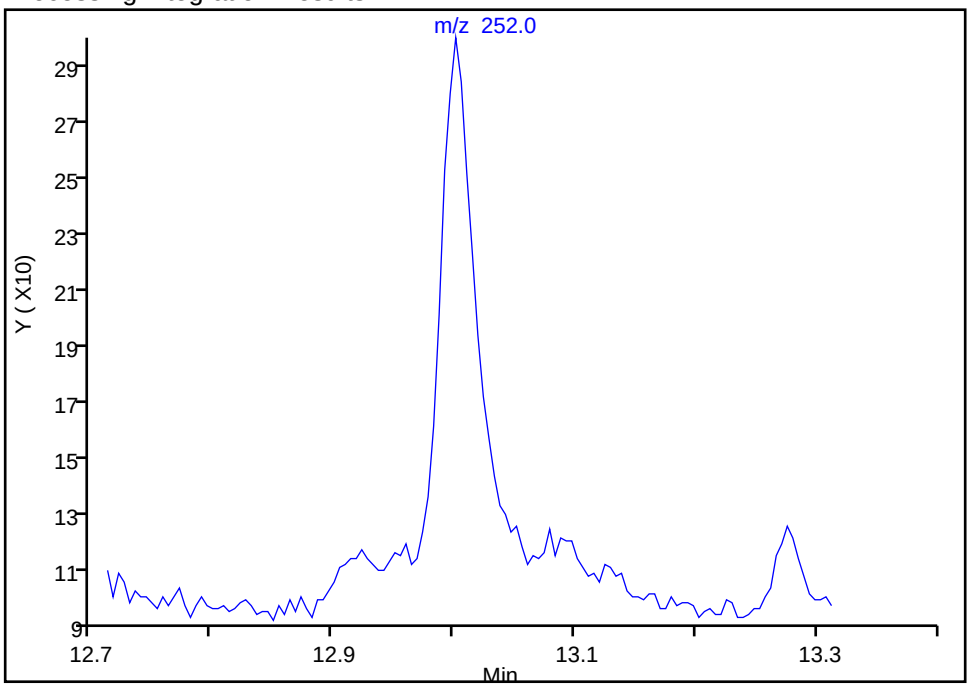
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

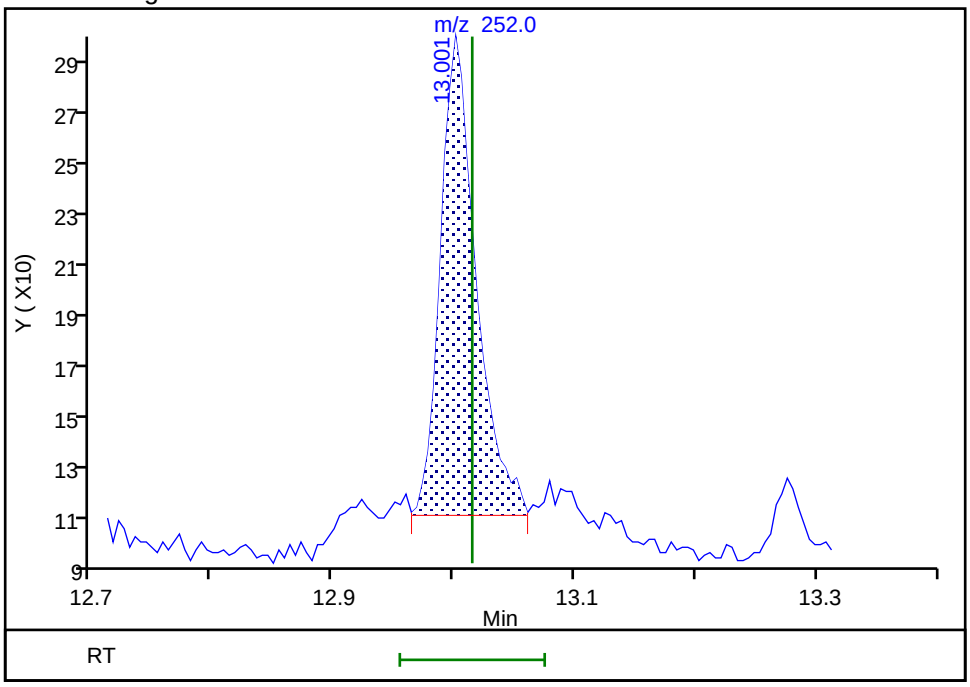
Not Detected
Expected RT: 13.01

Processing Integration Results



Manual Integration Results

RT: 13.00
Area: 368
Amount: 2.606925
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:02:25
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

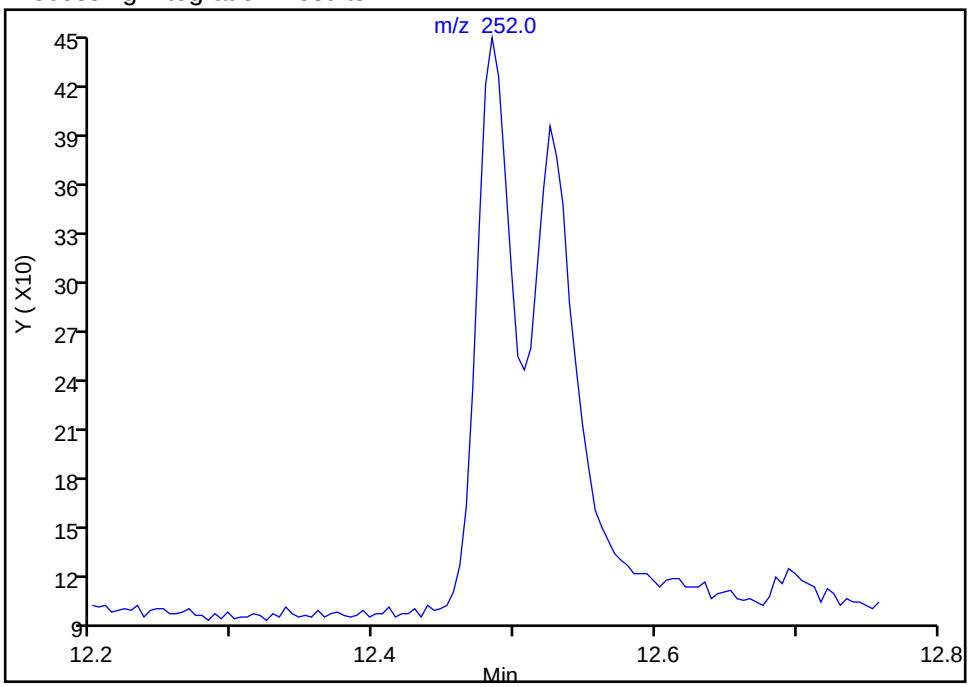
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

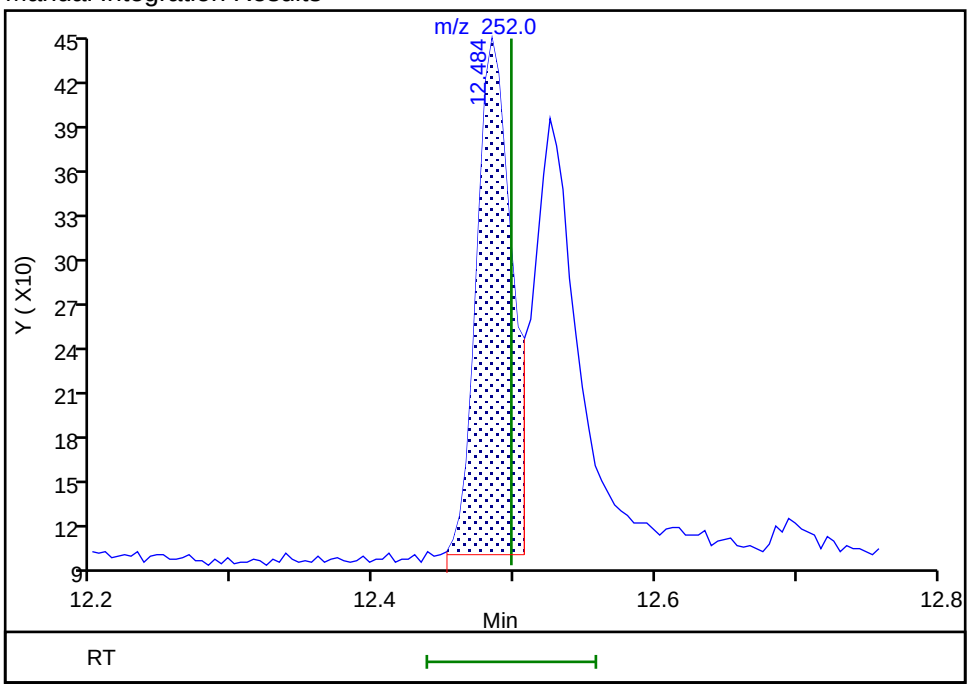
Not Detected
Expected RT: 12.50

Processing Integration Results



Manual Integration Results

RT: 12.48
Area: 582
Amount: 4.587108
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:02:15
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

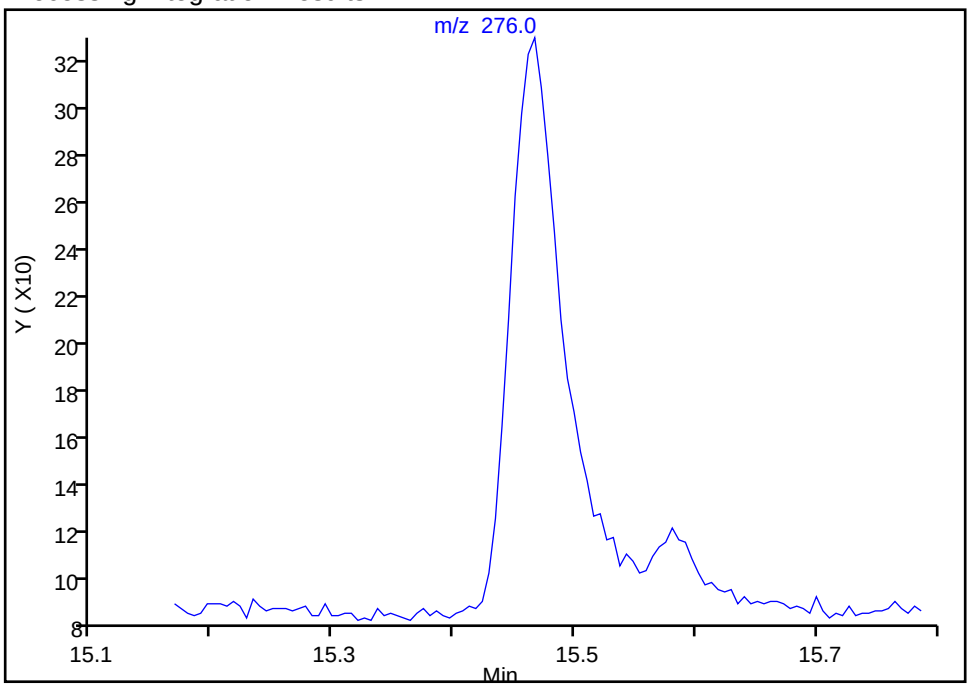
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

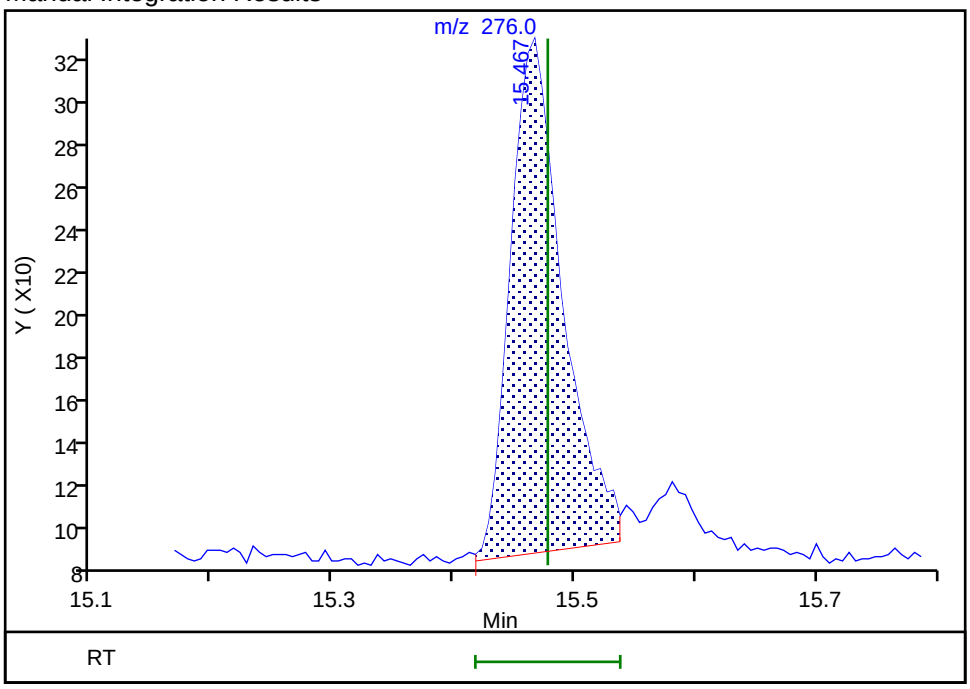
Not Detected
Expected RT: 15.48

Processing Integration Results



Manual Integration Results

RT: 15.47
Area: 722
Amount: 5.697660
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:02:37
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

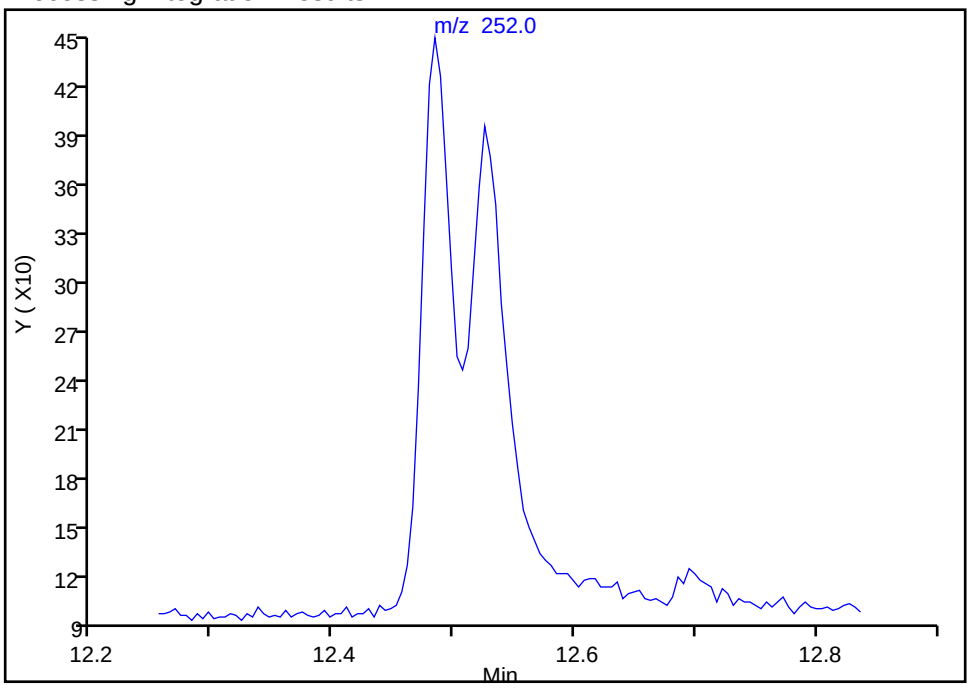
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

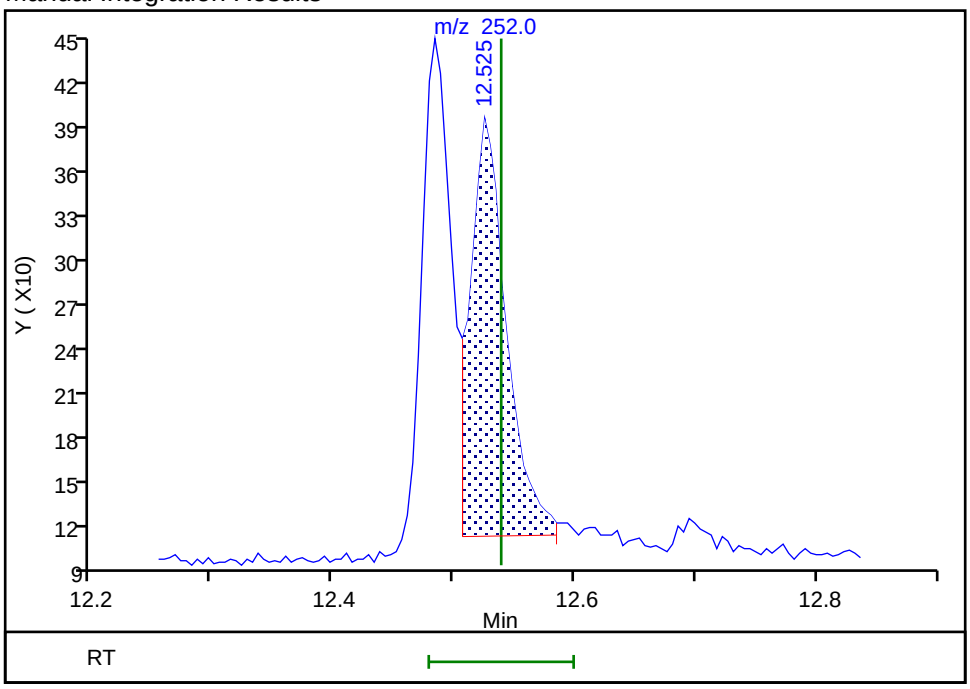
Not Detected
Expected RT: 12.54

Processing Integration Results



Manual Integration Results

RT: 12.53
Area: 561
Amount: 3.857013
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:02:20
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

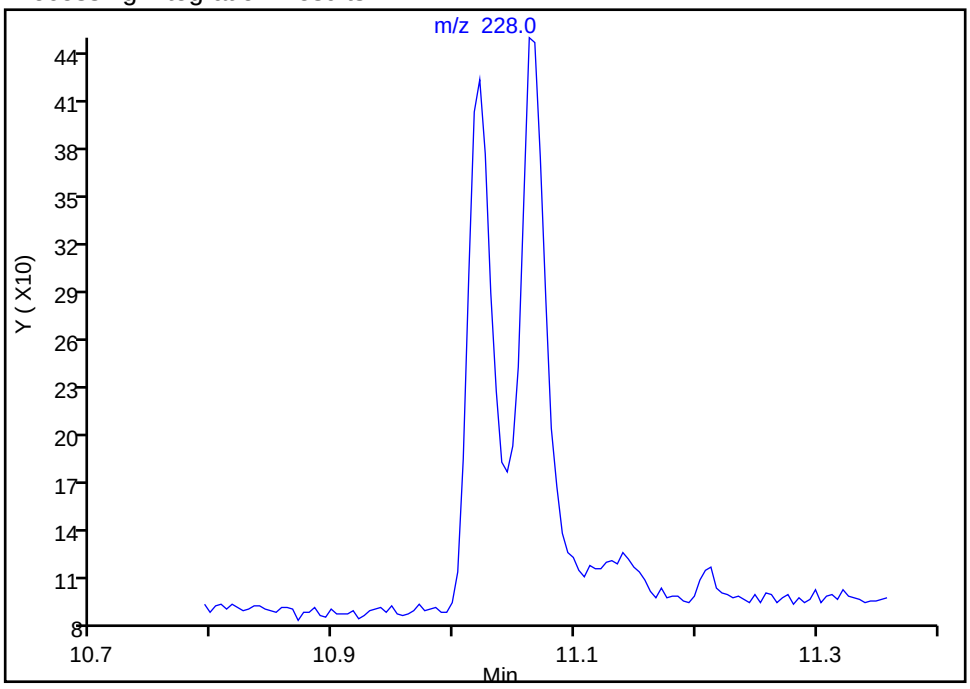
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

23 Chrysene, CAS: 218-01-9

Signal: 1

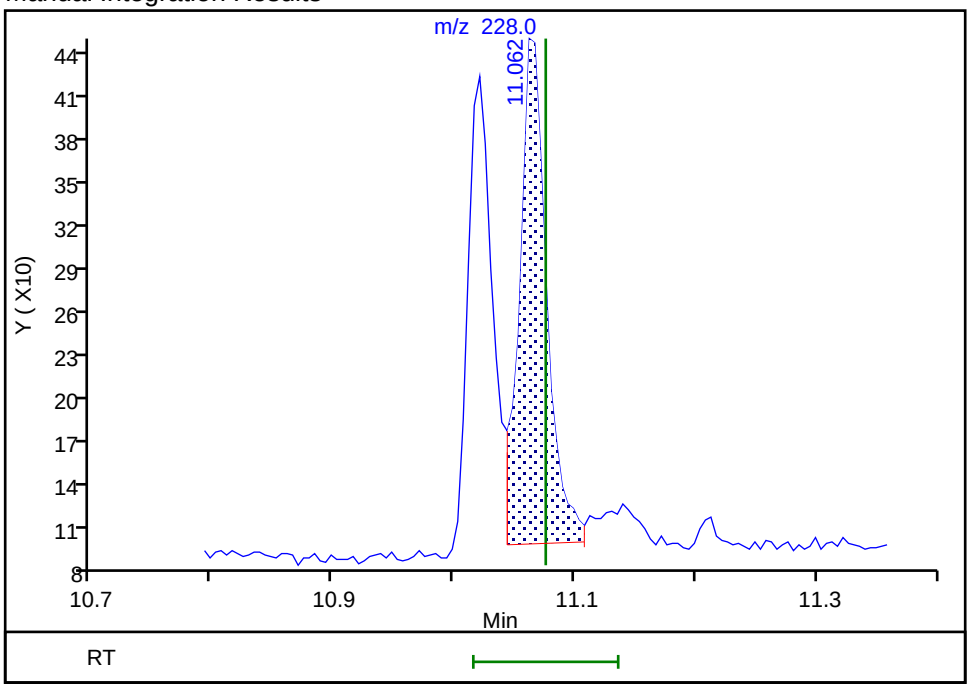
Not Detected
Expected RT: 11.08

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 532
Amount: 2.160574
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:02:02
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

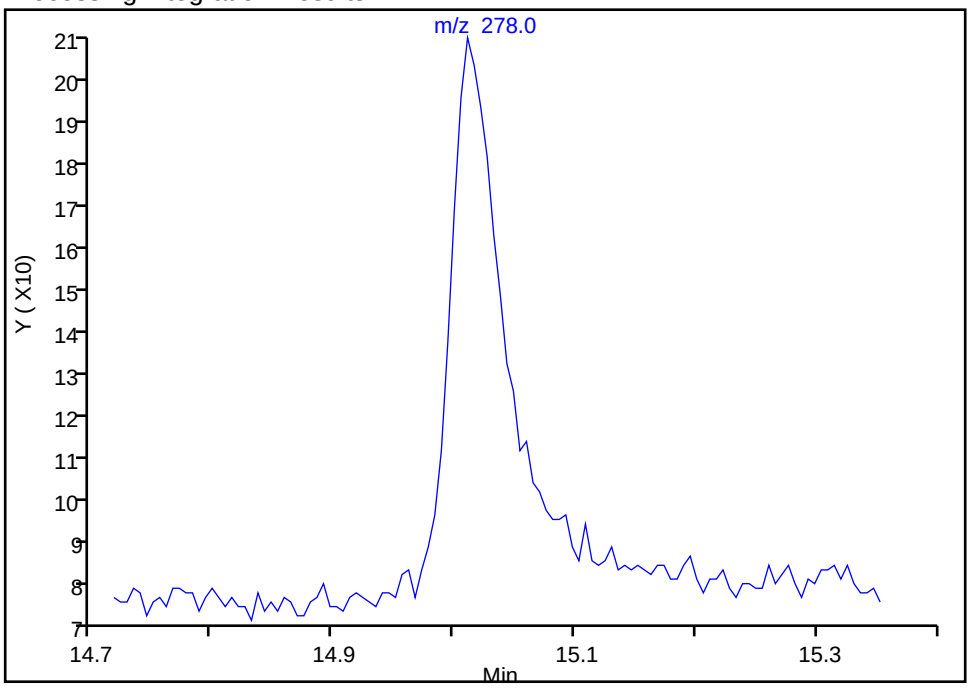
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

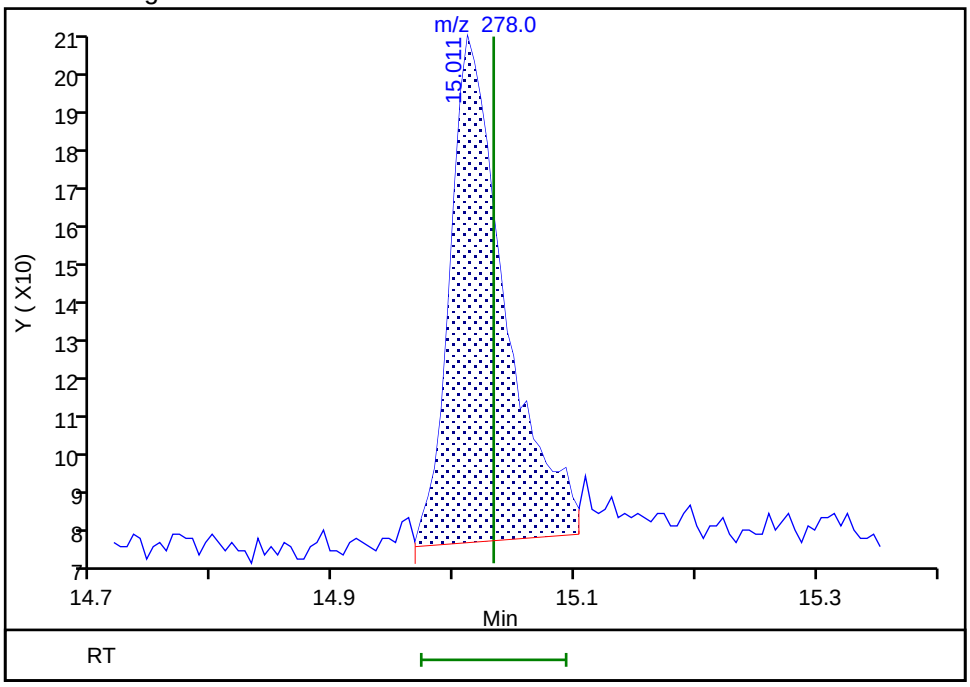
Not Detected
Expected RT: 15.03

Processing Integration Results



Manual Integration Results

RT: 15.01
Area: 386
Amount: 3.113289
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:02:33
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

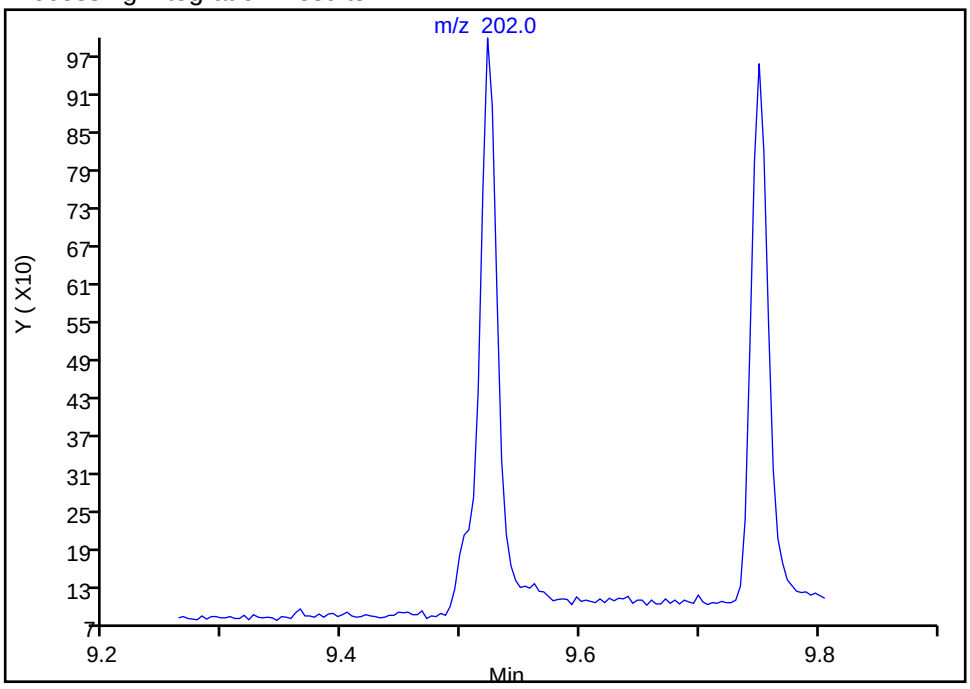
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

20 Fluoranthene, CAS: 206-44-0

Signal: 1

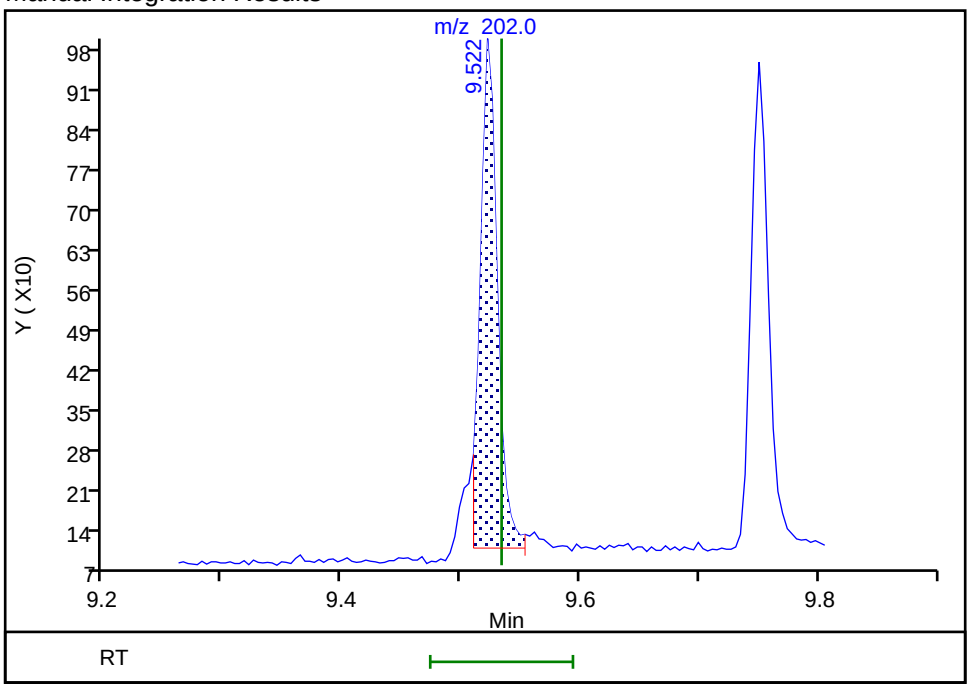
Not Detected
Expected RT: 9.53

Processing Integration Results



Manual Integration Results

RT: 9.52
Area: 869
Amount: 4.624523
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:01:37
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

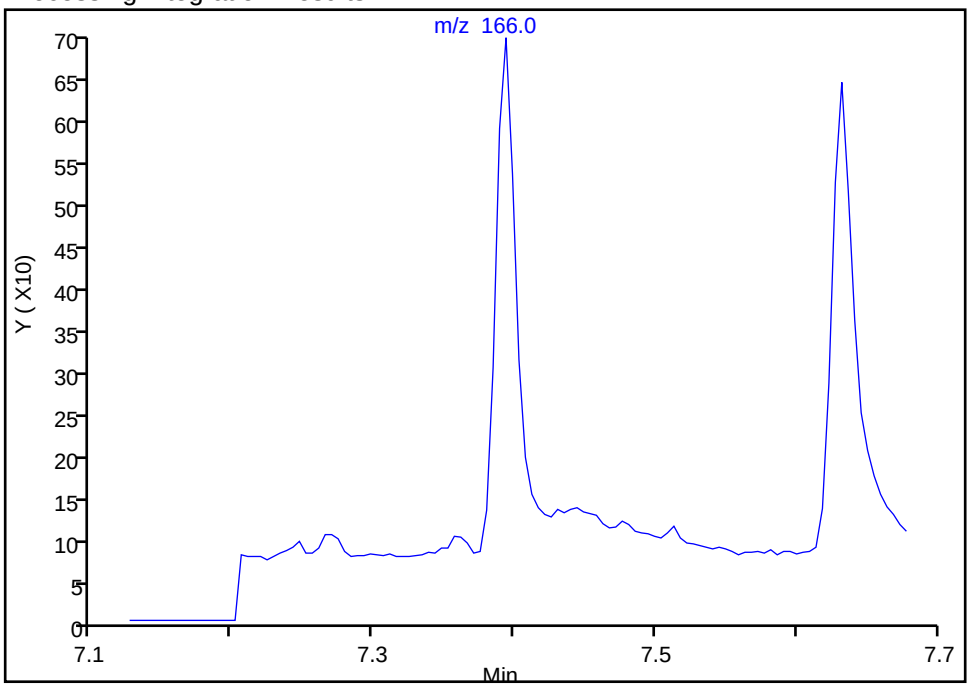
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

16 Fluorene, CAS: 86-73-7

Signal: 1

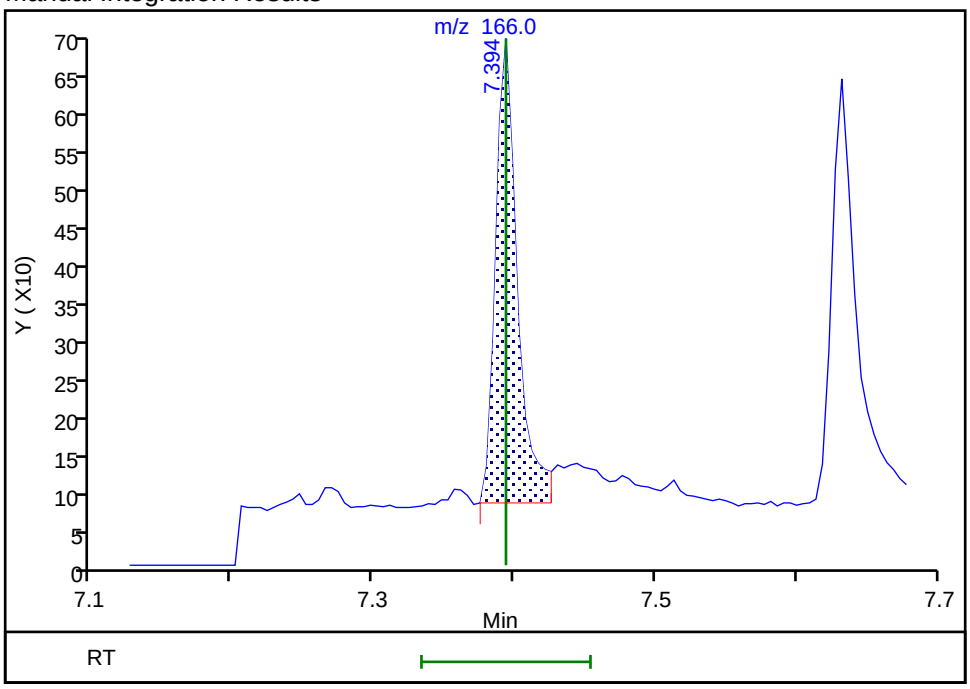
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 647
Amount: 6.387614
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:01:19
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

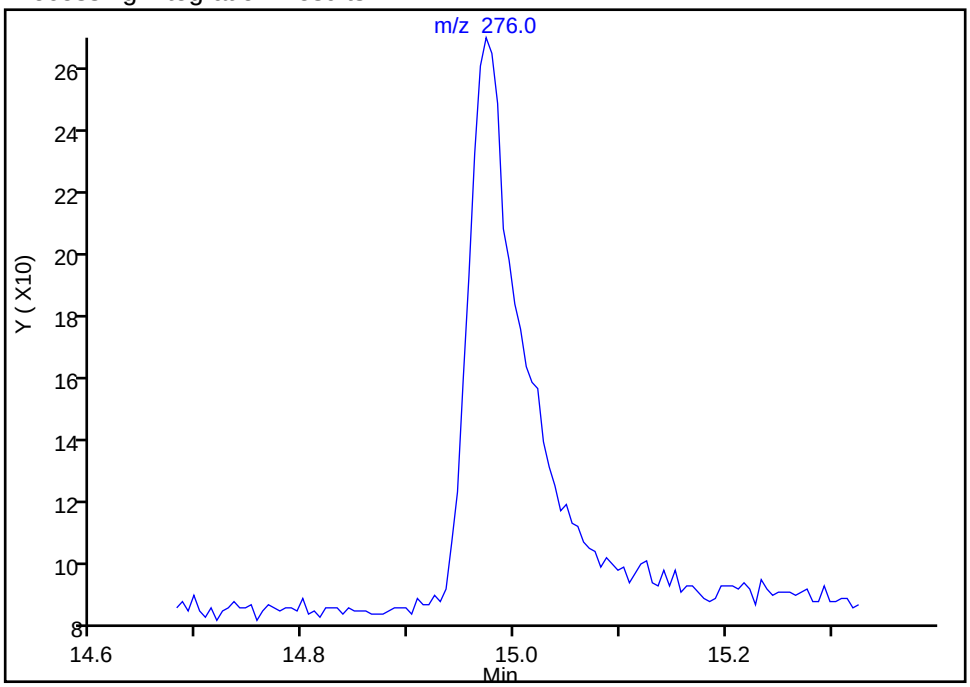
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

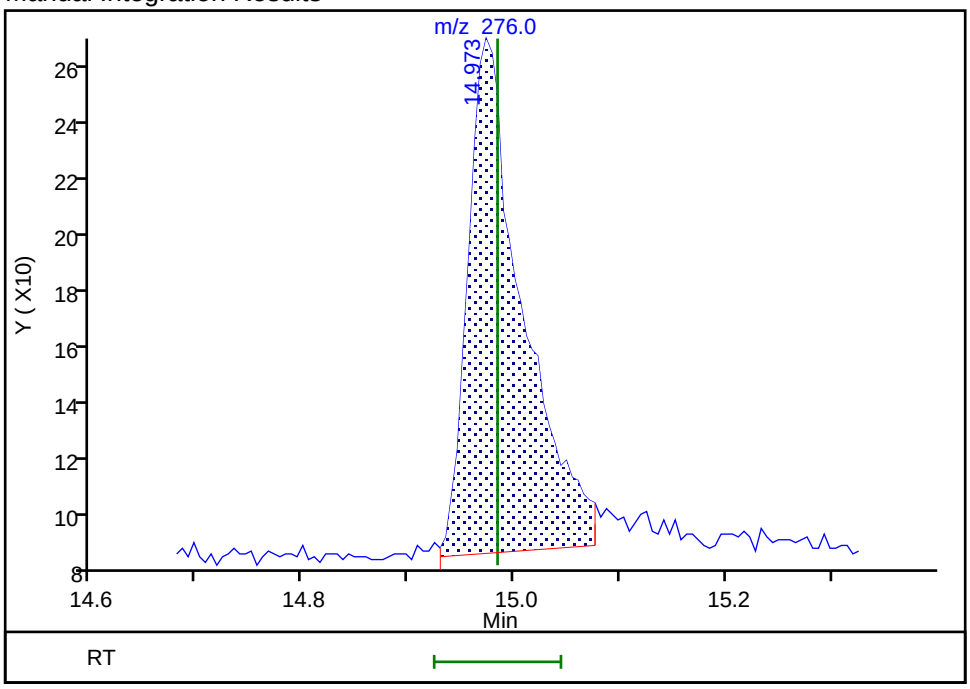
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.97
Area: 649
Amount: 7.422175
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:02:29
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

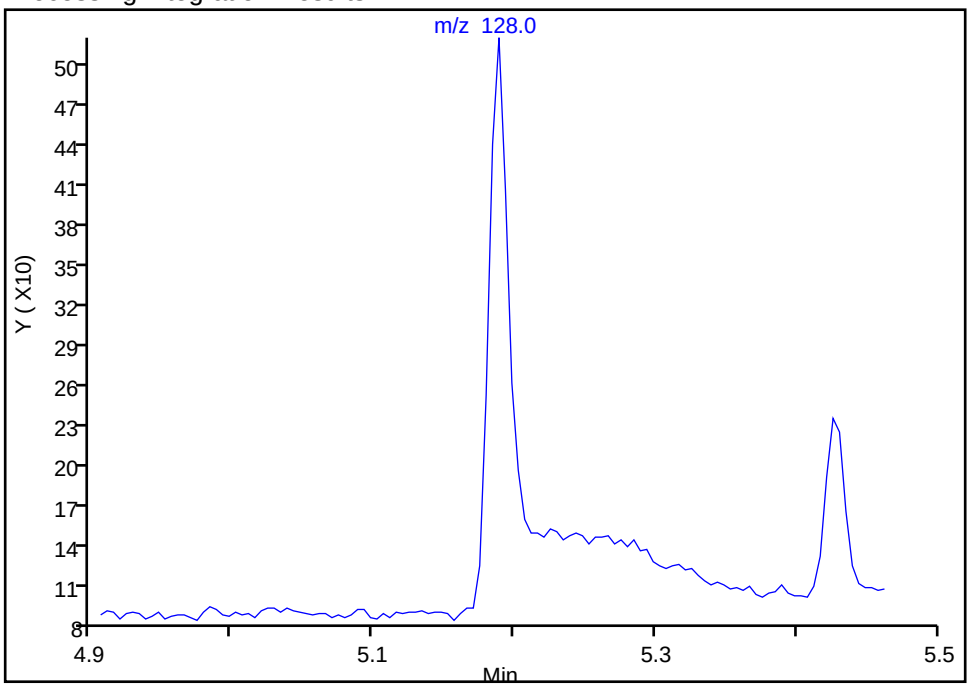
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

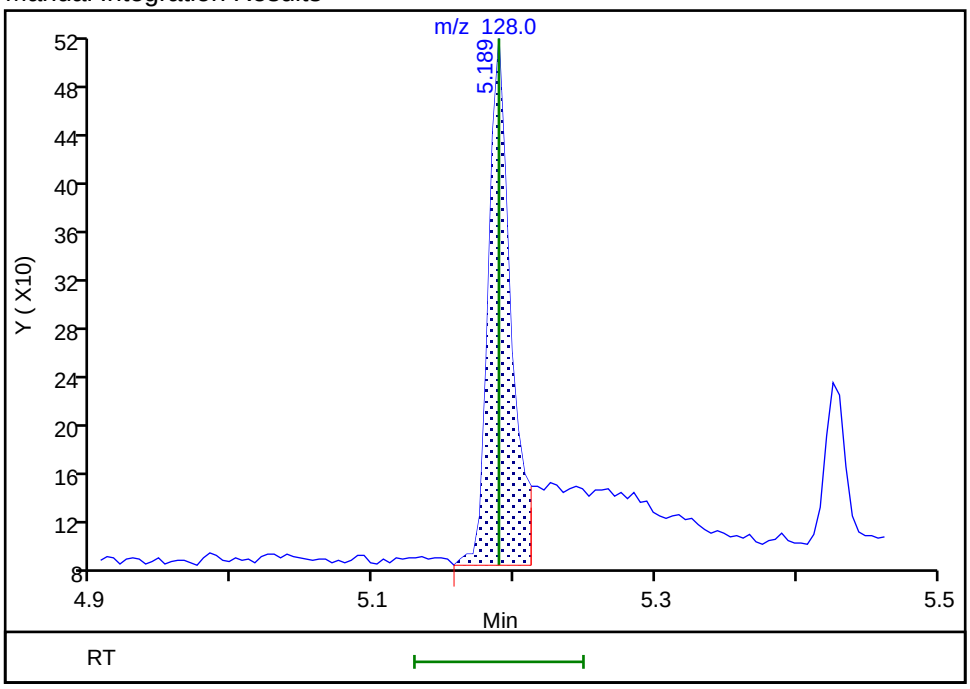
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 467
Amount: 2.974363
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:00:42
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

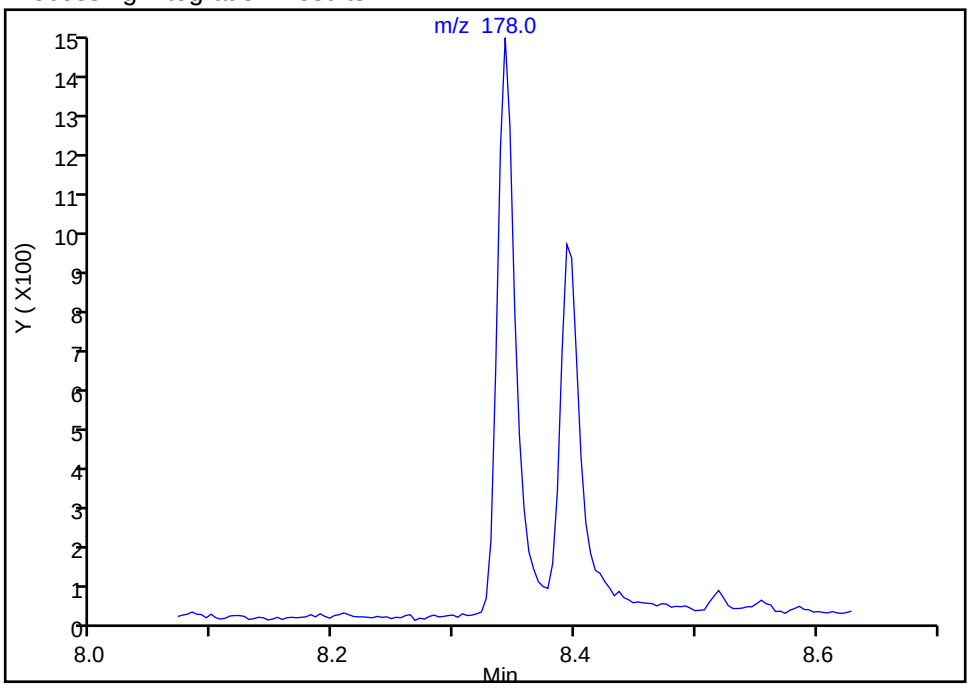
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

18 Phenanthrene, CAS: 85-01-8

Signal: 1

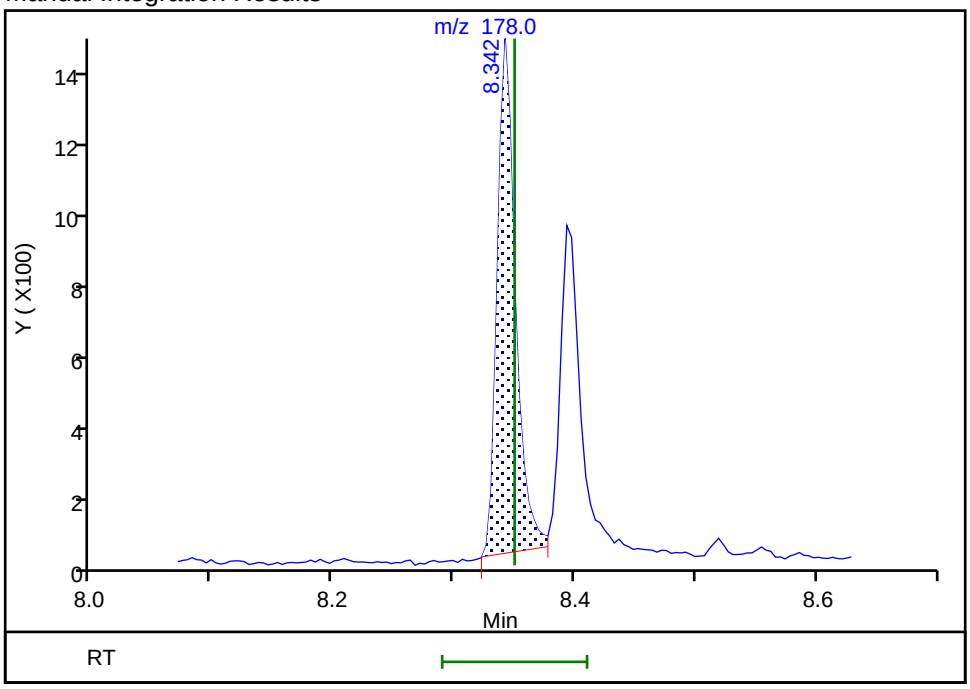
Not Detected
Expected RT: 8.35

Processing Integration Results



Manual Integration Results

RT: 8.34
Area: 1348
Amount: 7.753402
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:01:27
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

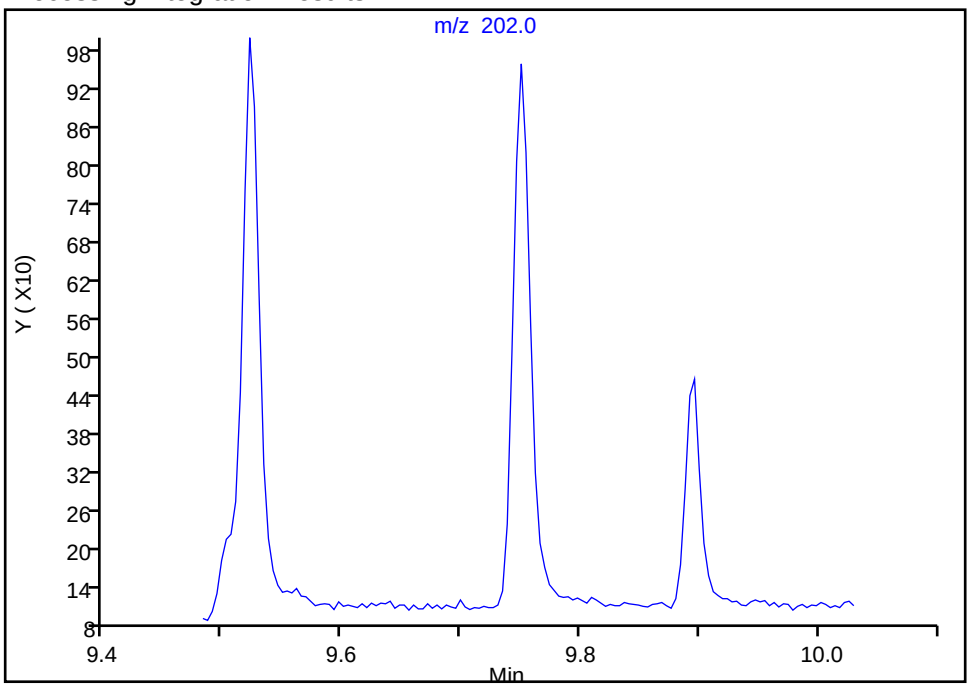
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a011.D				
Injection Date:	08-Mar-2022 13:26:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-1-A	Lab Sample ID:	580-110975-1		
Client ID:	ERH6573 (RHMW07)				
Operator ID:	tl	ALS Bottle#:	8	Worklist Smp#:	41
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

21 Pyrene, CAS: 129-00-0

Signal: 1

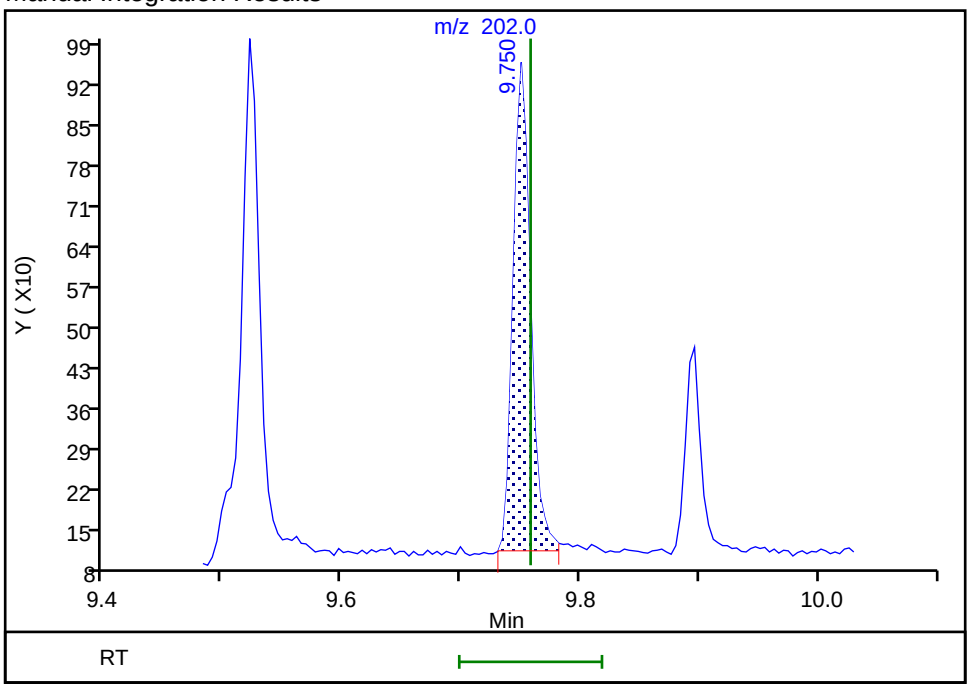
Not Detected
Expected RT: 9.76

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 861
Amount: 4.218197
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:01:42
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2648 (RHMW08) | Lab Sample ID: 580-110975-2

Matrix: Water | Lab File ID: SIM030822a012.D

Analysis Method: 8270E SIM | Date Collected: 02/28/2022 13:35

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 991.9(mL) | Date Analyzed: 03/08/2022 13:45

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383161 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.081	U M Q	0.20	0.081	0.039
83-32-9	Acenaphthene	0.015	J M	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U	0.050	0.032	0.0091
120-12-7	Anthracene	0.081	U	0.10	0.081	0.022
56-55-3	Benzo[a]anthracene	0.032	U M	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.018	J M	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.081	U M	0.10	0.081	0.031
85-01-8	Phenanthrene	0.081	U M	0.10	0.081	0.031
129-00-0	Pyrene	0.036	J	0.10	0.081	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	58		40-140
93951-69-0	Fluoranthene-d10 (Surr)	95		40-140
1718-51-0	Terphenyl-d14	104		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D
Lims ID: 580-110975-A-2-A
Client ID: ERH2648 (RHMW08)
Sample Type: Client
Inject. Date: 08-Mar-2022 13:45:30 ALS Bottle#: 9 Worklist Smp#: 42
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-A-2-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:04:46 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:04:46

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	16492	100.0	
* 2 Acenaphthene-d10	164	6.854	6.858	-0.004	70	6583	100.0	
* 3 Phenanthrene-d10	188	8.323	8.326	-0.003	56	11931	100.0	
* 4 Chrysene-d12	240	11.039	11.044	-0.005	49	10260	100.0	
* 5 Perylene-d12	264	13.097	13.111	-0.014	69	11991	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	56491	579.0	
$ 10 2-Fluorobiphenyl	172	6.190	6.193	-0.003	0	60514	574.5	Ma
$ 7 2,4,6-Tribromophenol	330	7.637	7.646	-0.009	58	16995	939.2	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.514	-0.008	68	117147	950.4	
$ 9 Terphenyl-d14	244	9.896	9.908	-0.012	95	99537	1041.0	
11 Naphthalene	128	5.189	5.189	0.000	100	923	5.29	a
12 2-Methylnaphthalene	141	5.841	5.841	0.000	85	59	0.5964	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	94	23	0.2400	M
15 Acenaphthene	153	6.884	6.884	0.000	93	637	7.29	M
18 Phenanthrene	178	8.346	8.350	-0.004	98	149	-0.1449	M
21 Pyrene	202	9.750	9.758	-0.008	52	2962	17.8	
22 Benzo[a]anthracene	228	11.035	11.030	0.005	9	57	-0.9250	M
23 Chrysene	228	11.067	11.076	-0.009	99	1588	8.85	M
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	664	3.13	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

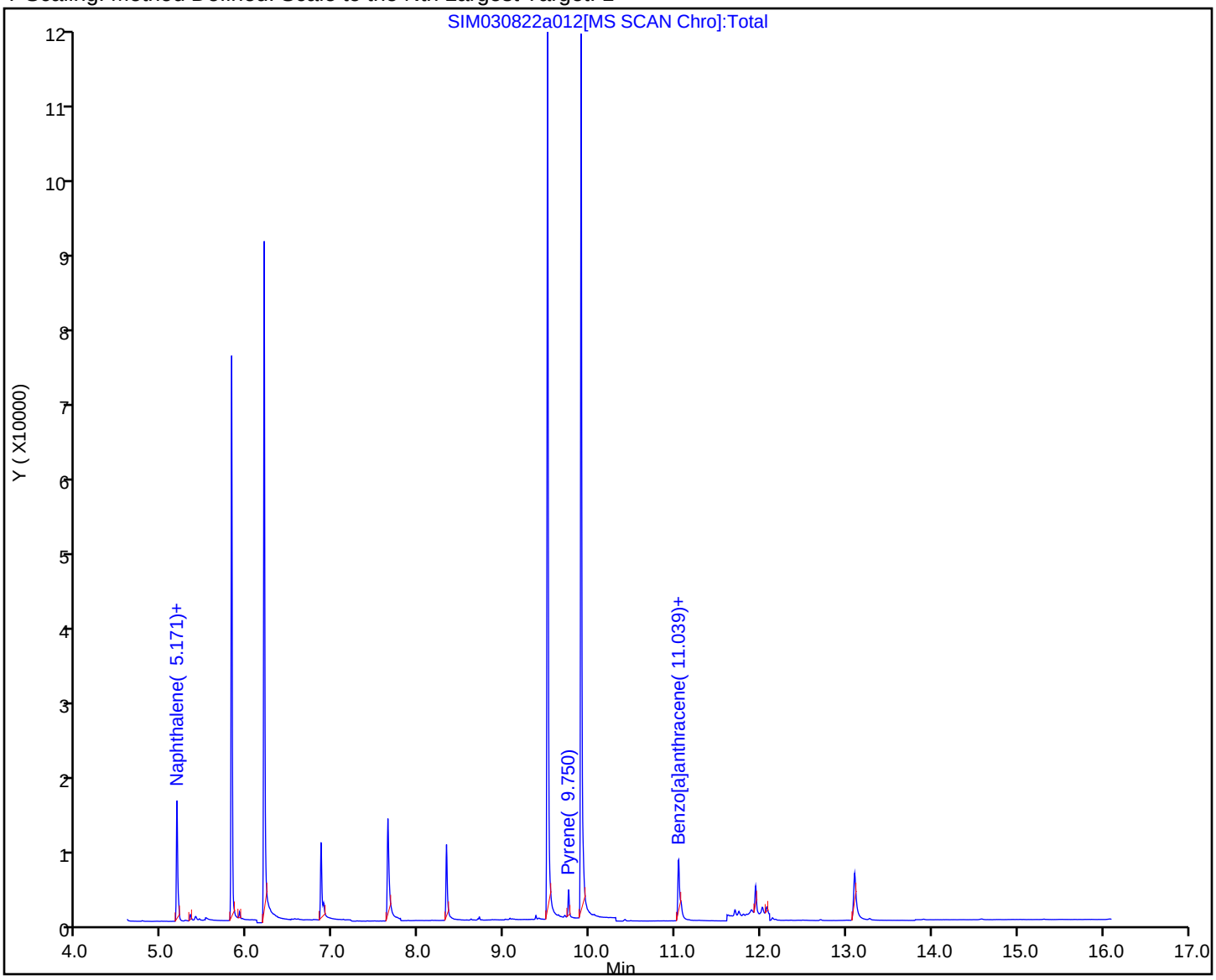
8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 11:04:46 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D				
Injection Date:	08-Mar-2022 13:45:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D
Lims ID: 580-110975-A-2-A
Client ID: ERH2648 (RHMW08)
Sample Type: Client
Inject. Date: 08-Mar-2022 13:45:30 ALS Bottle#: 9 Worklist Smp#: 42
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-A-2-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:04:46 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

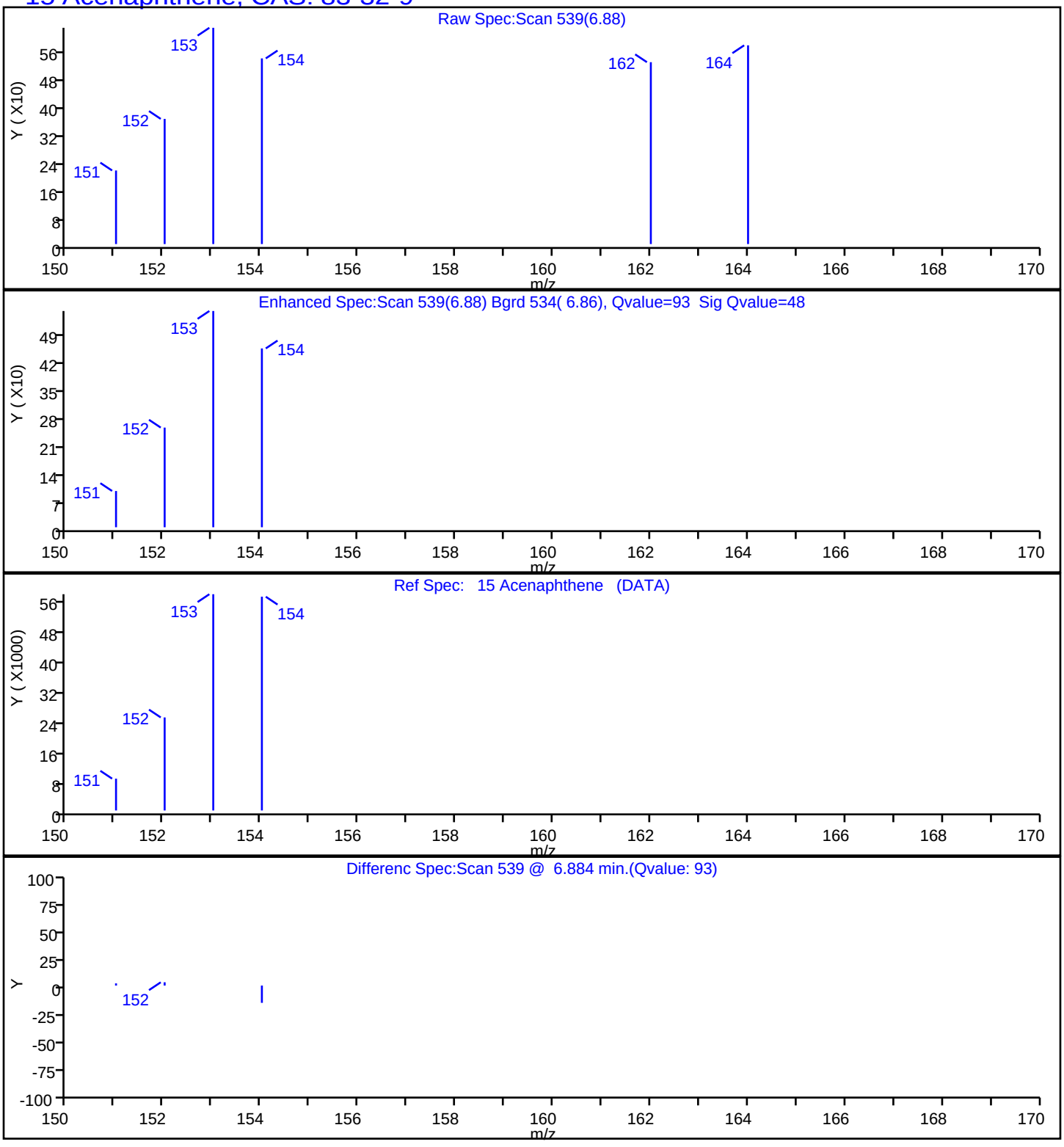
First Level Reviewer: jantanuc Date: 09-Mar-2022 11:04:46

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	579.0	57.90
$ 10 2-Fluorobiphenyl	1000.0	574.5	57.45
$ 7 2,4,6-Tribromophenol	1000.0	939.2	93.92
$ 8 Fluoranthene-d10 (Surr)	1000.0	950.4	95.04
$ 9 Terphenyl-d14	1000.0	1041.0	104.10

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D				
Injection Date:	08-Mar-2022 13:45:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

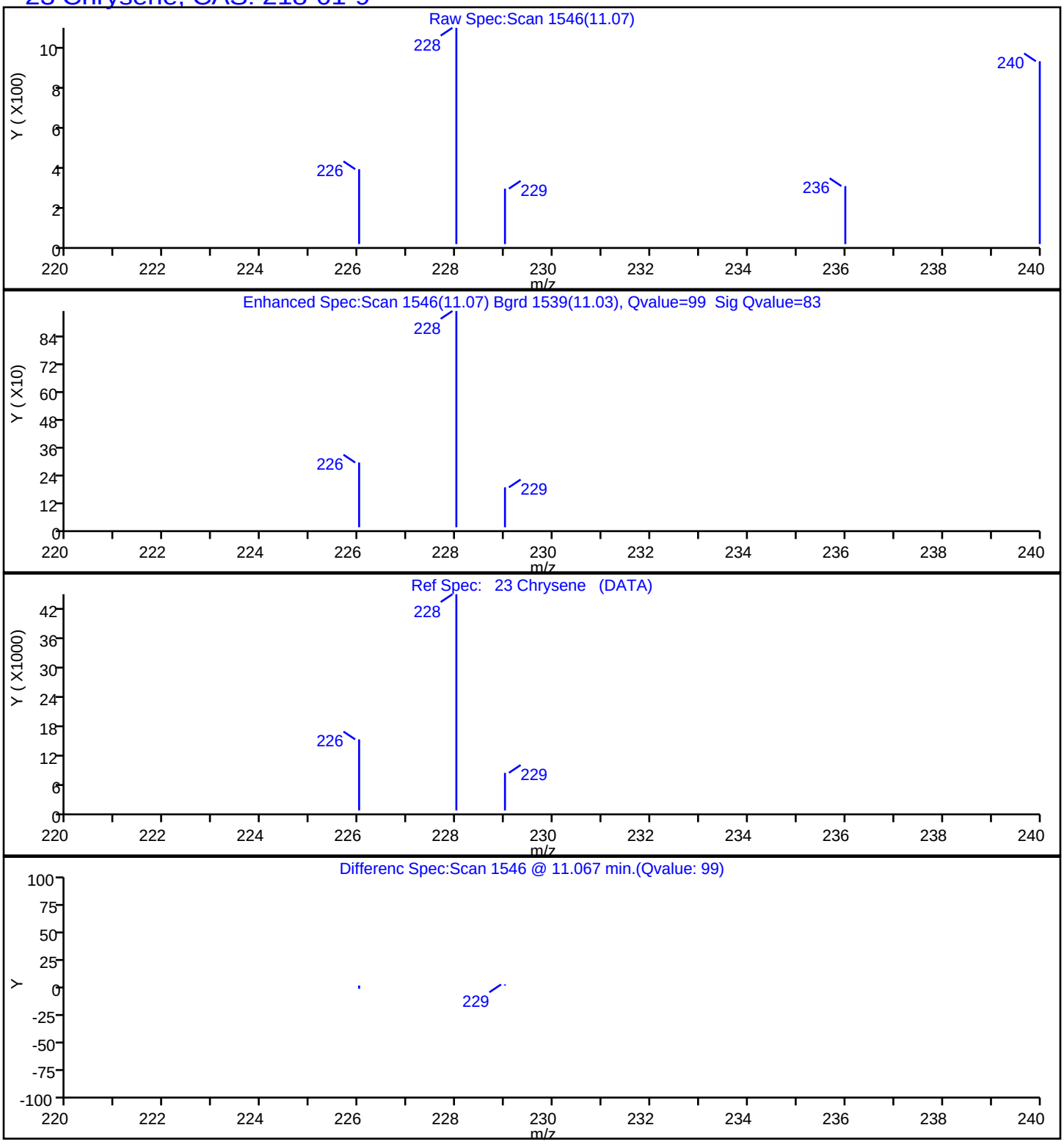
15 Acenaphthene, CAS: 83-32-9



Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D				
Injection Date:	08-Mar-2022 13:45:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

23 Chrysene, CAS: 218-01-9

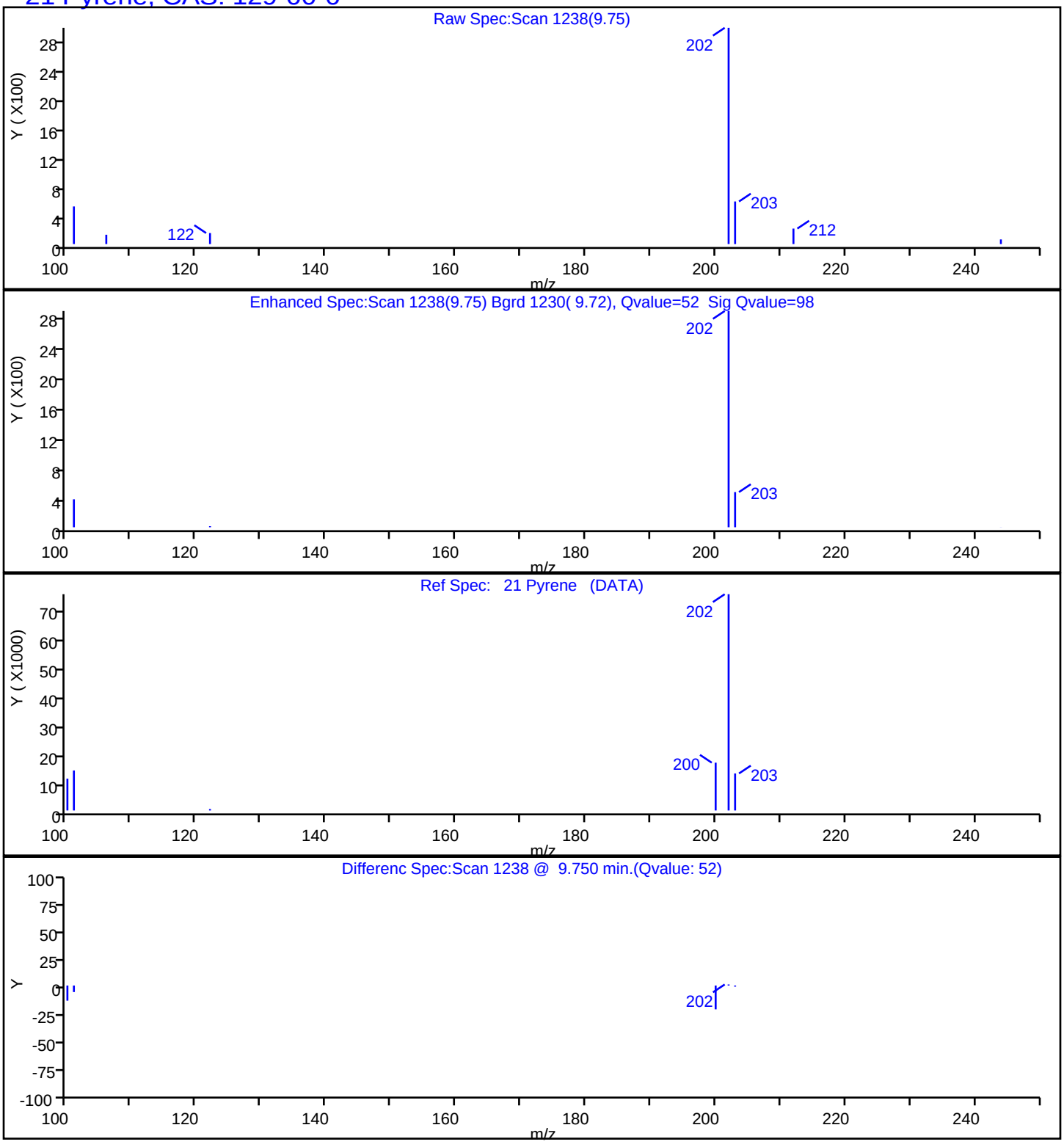


Report Date: 09-Mar-2022 11:04:46 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D				
Injection Date:	08-Mar-2022 13:45:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

21 Pyrene, CAS: 129-00-0



Manual Integration/User Assign Peak Report

Eurofins Seattle

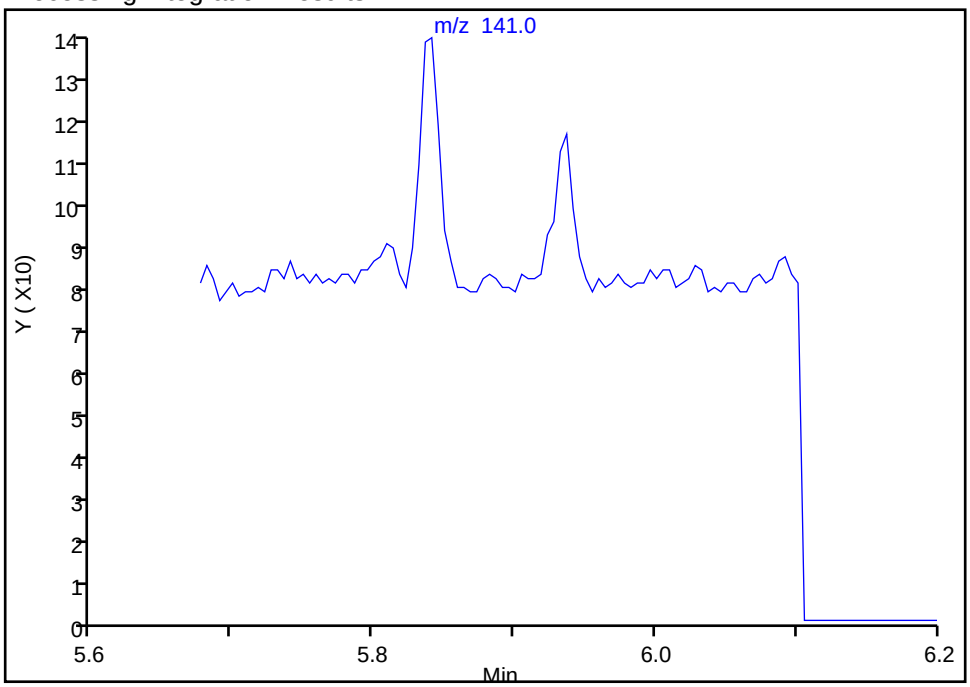
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D				
Injection Date:	08-Mar-2022 13:45:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

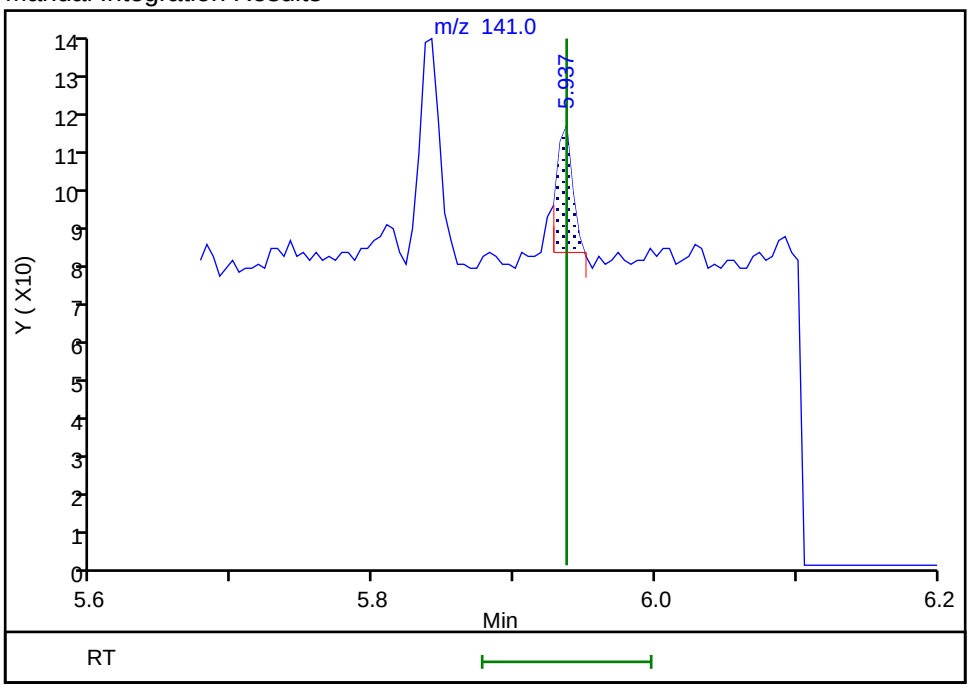
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 23
Amount: 0.240037
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:04:00
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

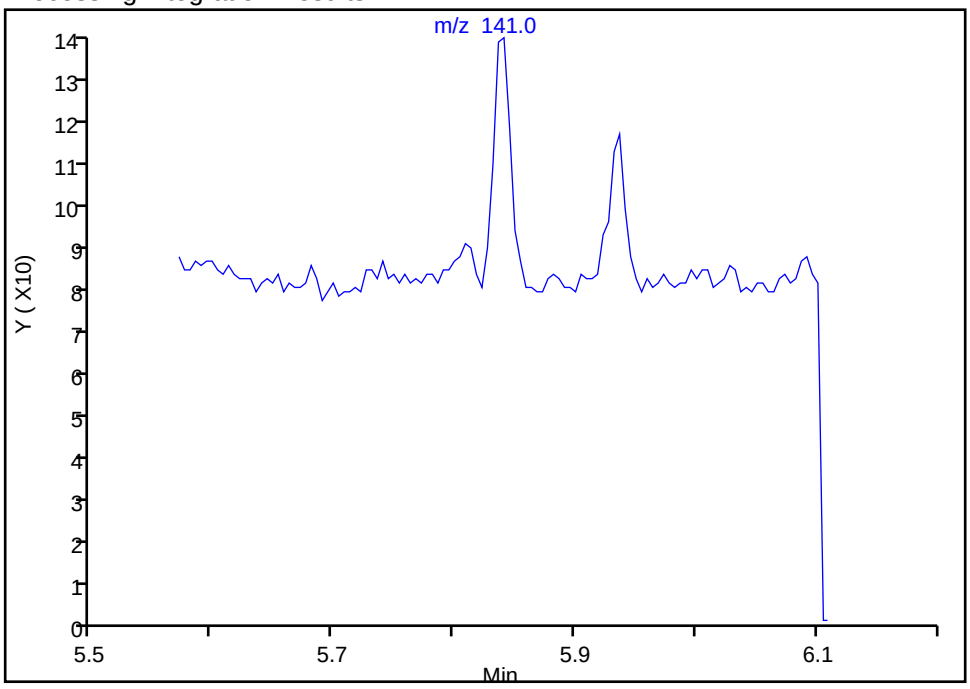
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D				
Injection Date:	08-Mar-2022 13:45:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

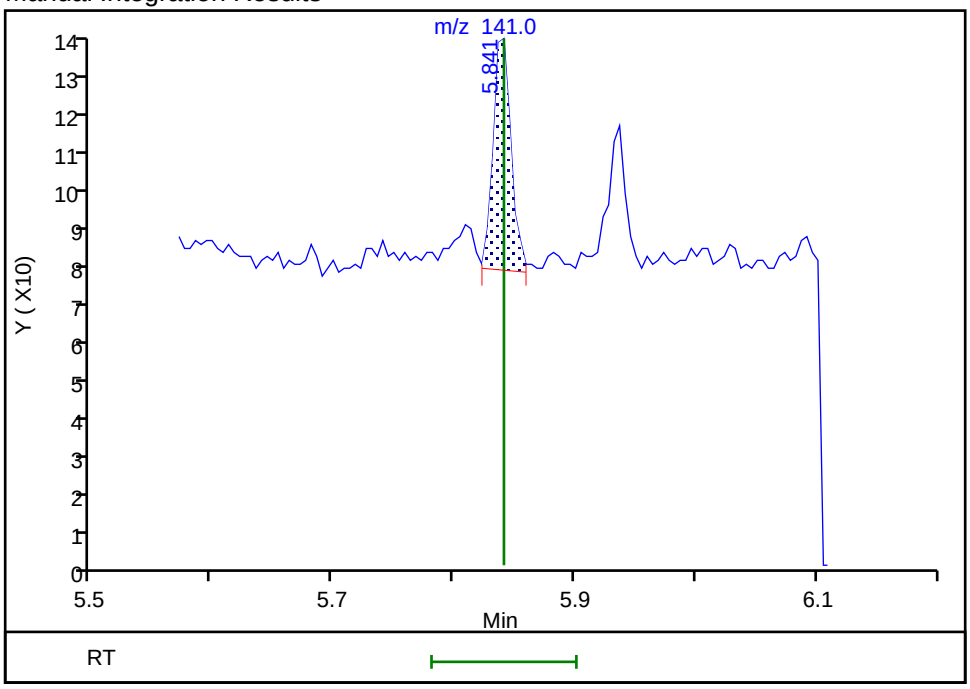
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 59
Amount: 0.596421
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:03:51
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

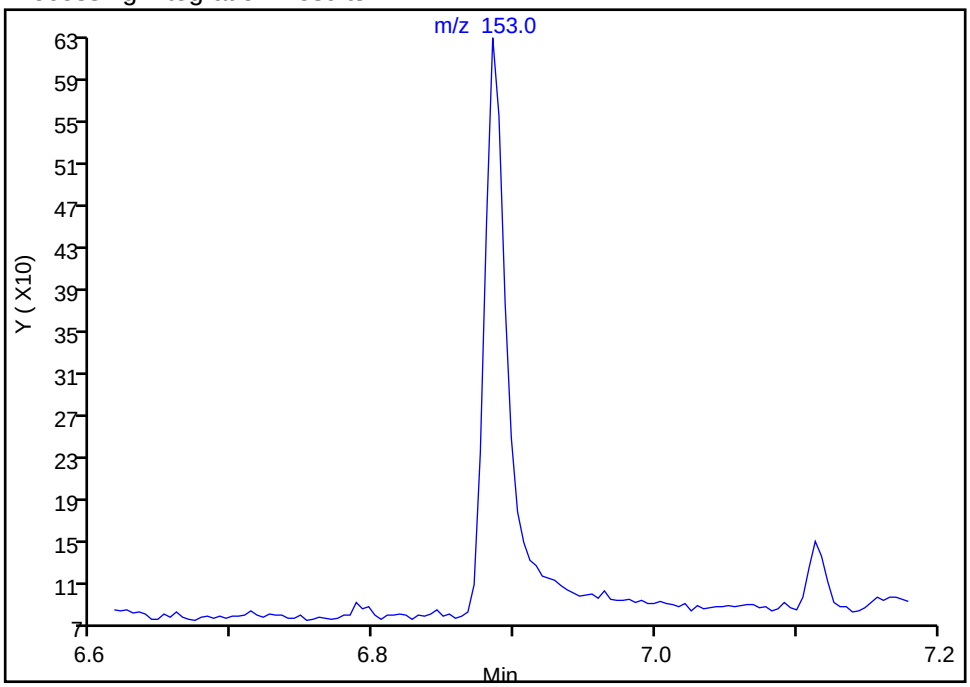
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D				
Injection Date:	08-Mar-2022 13:45:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

15 Acenaphthene, CAS: 83-32-9

Signal: 1

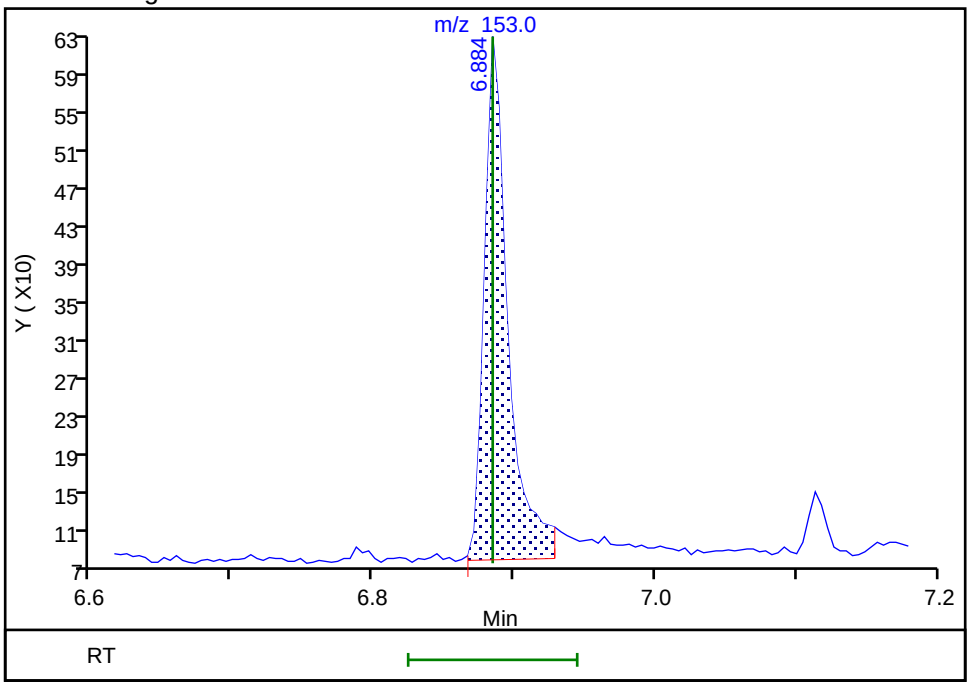
Not Detected
Expected RT: 6.88

Processing Integration Results



Manual Integration Results

RT: 6.88
Area: 637
Amount: 7.293443
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:04:08
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

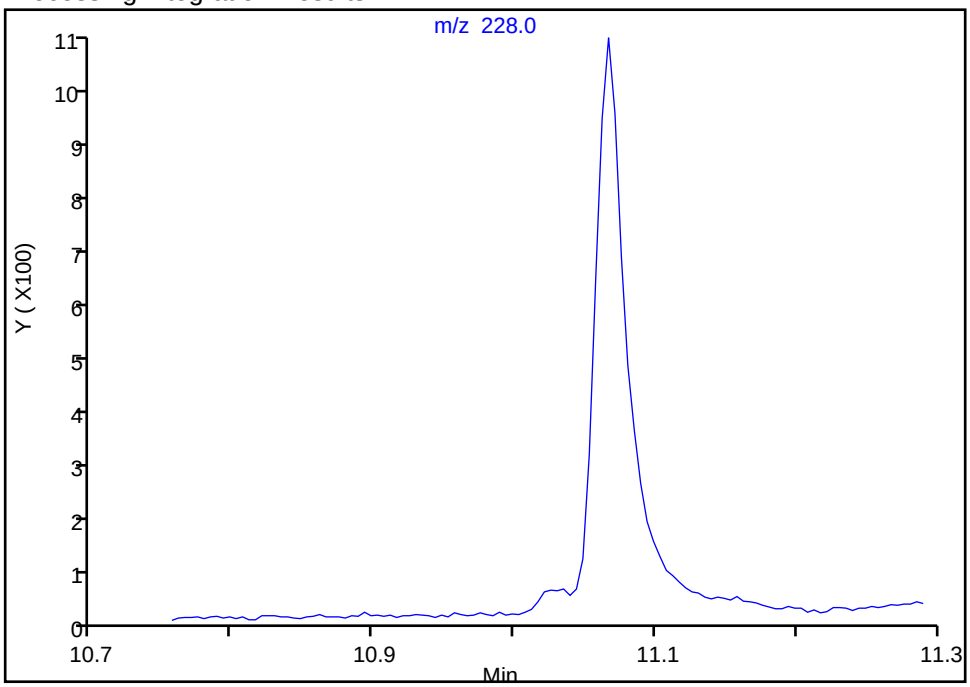
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D				
Injection Date:	08-Mar-2022 13:45:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

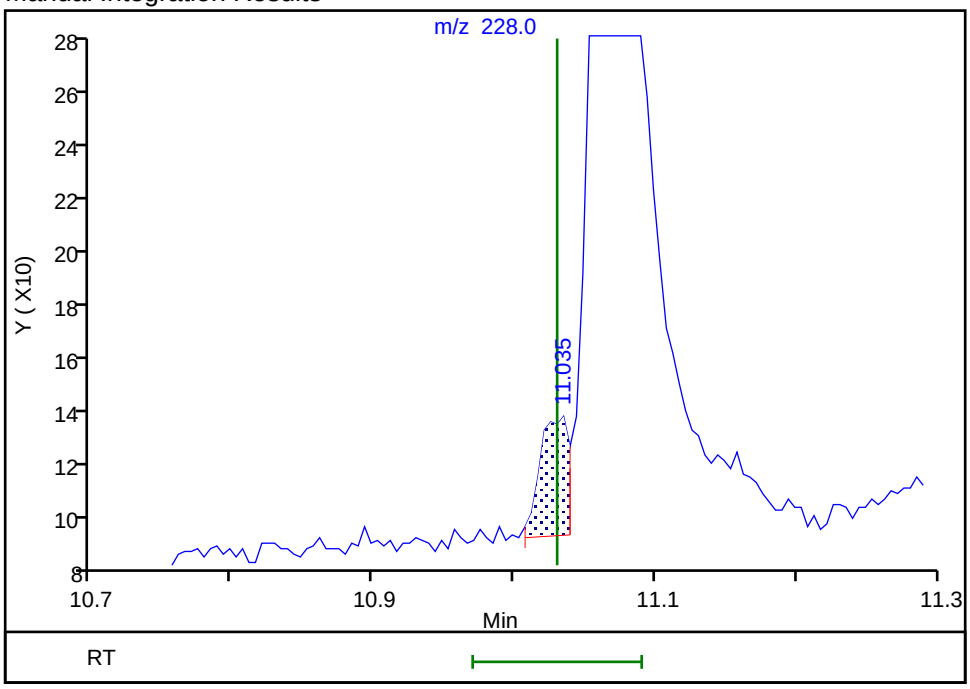
Not Detected
Expected RT: 11.03

Processing Integration Results



Manual Integration Results

RT: 11.03
Area: 57
Amount: -0.925041
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:04:24
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

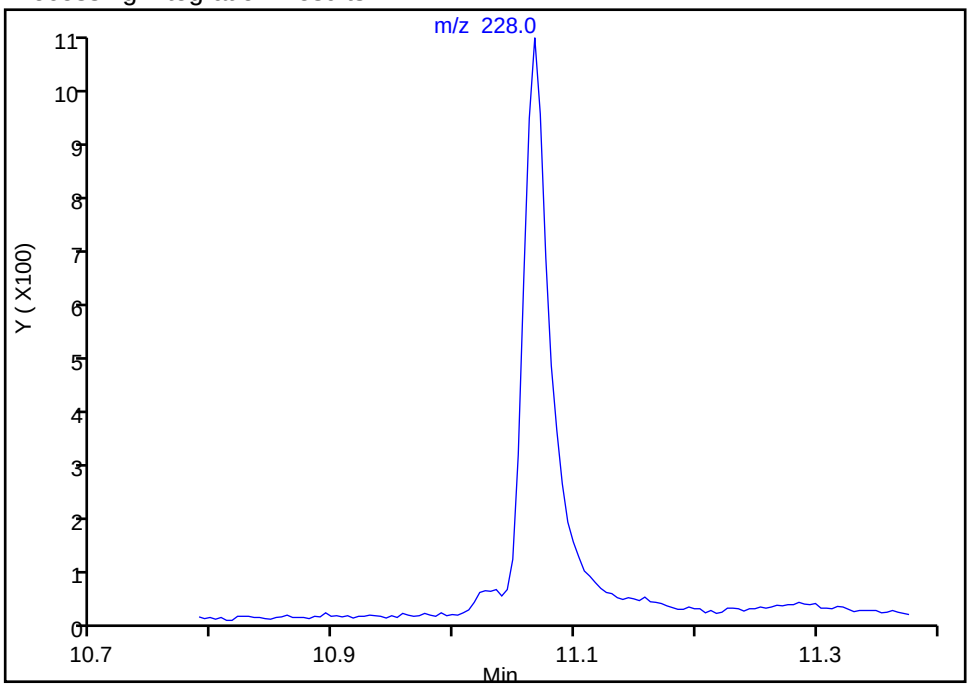
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D				
Injection Date:	08-Mar-2022 13:45:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

23 Chrysene, CAS: 218-01-9

Signal: 1

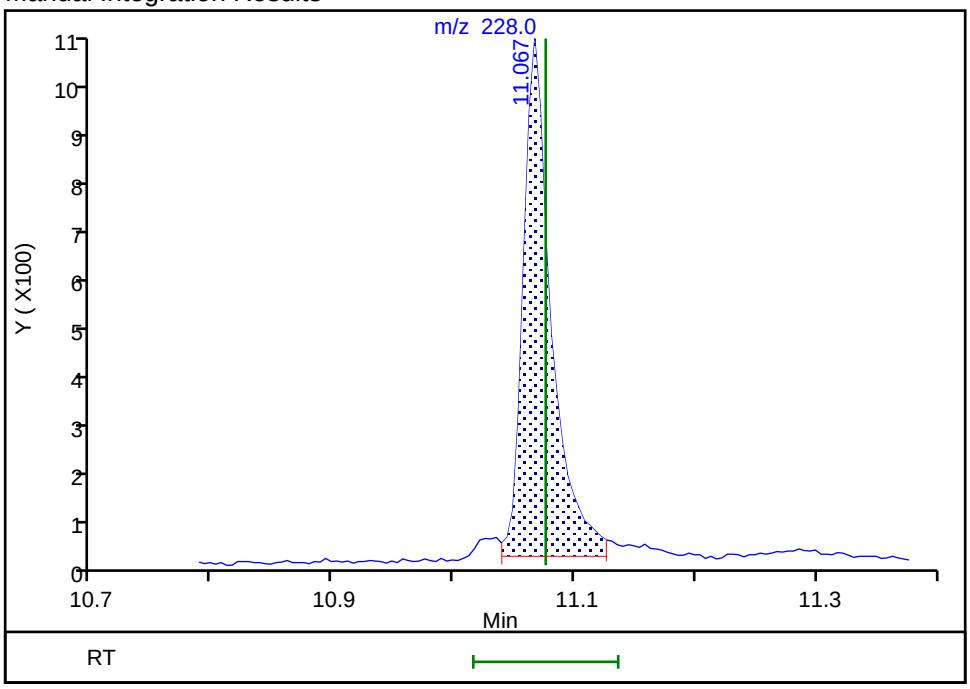
Not Detected
Expected RT: 11.08

Processing Integration Results



Manual Integration Results

RT: 11.07
Area: 1588
Amount: 8.848140
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:04:28
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

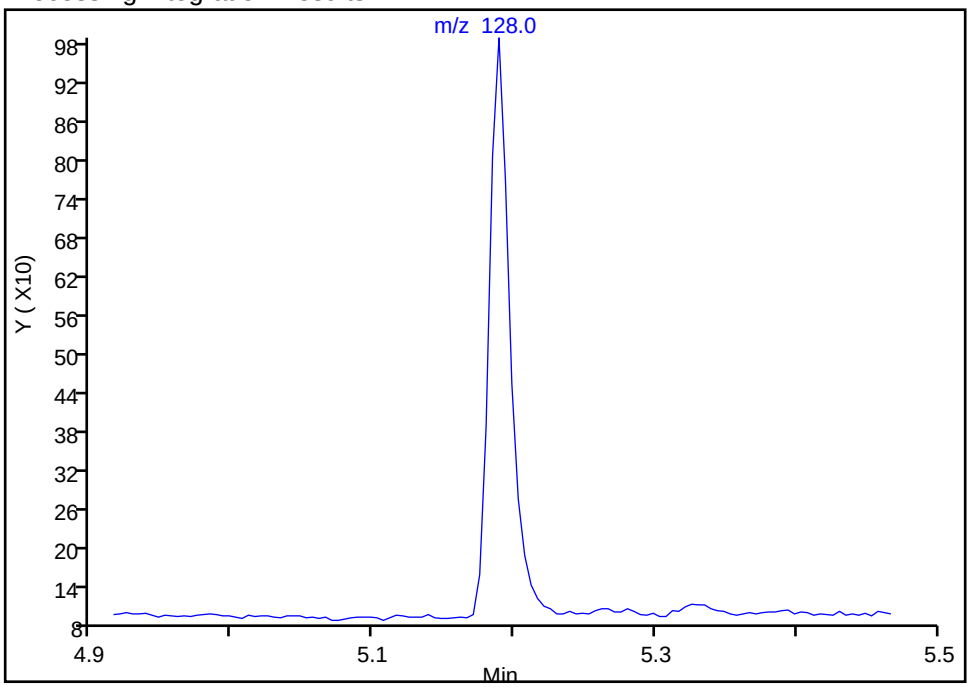
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D				
Injection Date:	08-Mar-2022 13:45:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

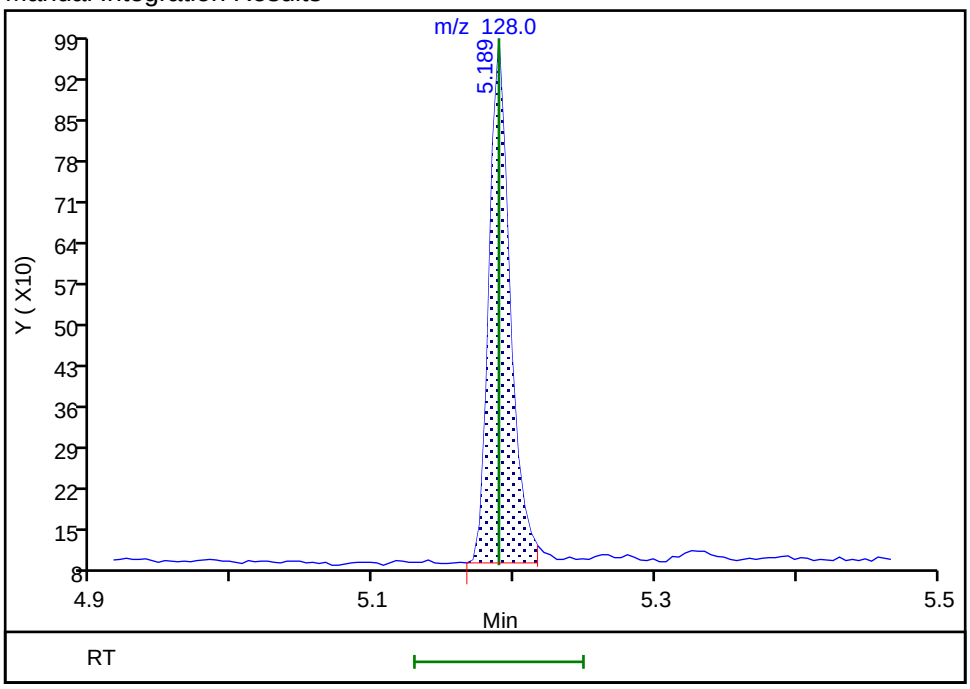
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 923
Amount: 5.291583
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:03:47
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

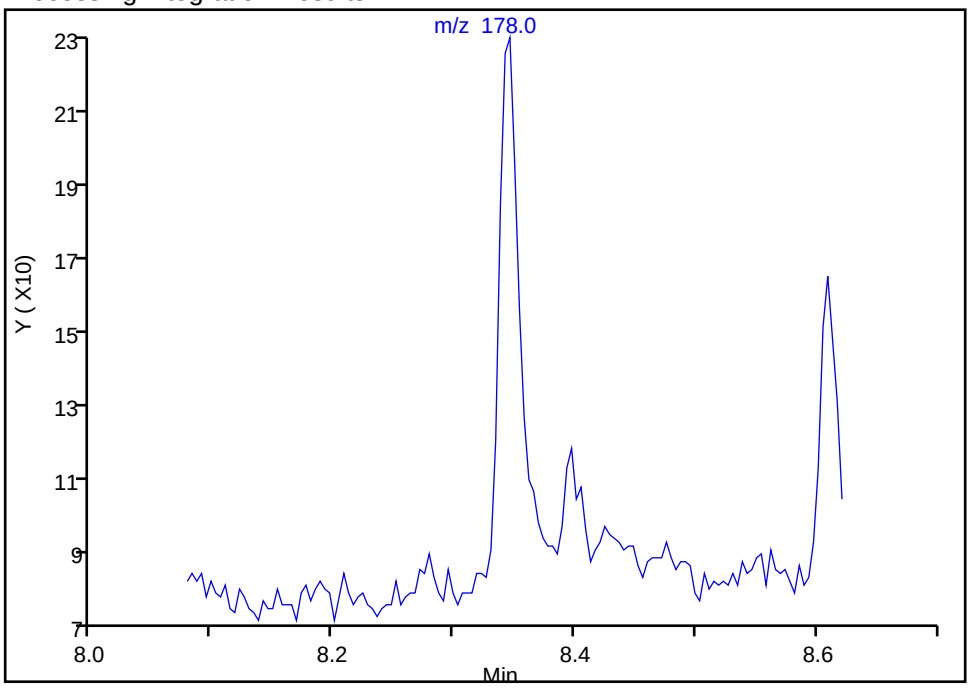
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a012.D				
Injection Date:	08-Mar-2022 13:45:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-2-A	Lab Sample ID:	580-110975-2		
Client ID:	ERH2648 (RHMW08)				
Operator ID:	tl	ALS Bottle#:	9	Worklist Smp#:	42
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

18 Phenanthrene, CAS: 85-01-8

Signal: 1

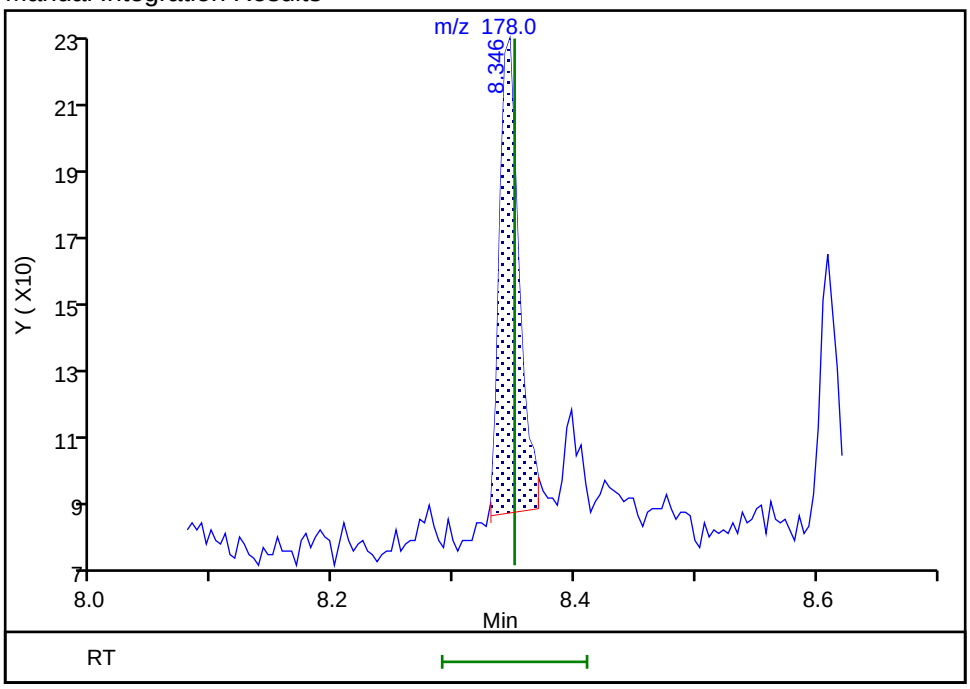
Not Detected
Expected RT: 8.35

Processing Integration Results



Manual Integration Results

RT: 8.35
Area: 149
Amount: -0.144891
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:04:15
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2649 (OWDFMW07A) | Lab Sample ID: 580-110975-3

Matrix: Water | Lab File ID: SIM030822a013.D

Analysis Method: 8270E SIM | Date Collected: 02/28/2022 13:40

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 978.2(mL) | Date Analyzed: 03/08/2022 14:04

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383161 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.033	U M	0.10	0.033	0.019
91-57-6	2-Methylnaphthalene	0.082	U M Q	0.20	0.082	0.040
83-32-9	Acenaphthene	0.033	U	0.10	0.033	0.014
208-96-8	Acenaphthylene	0.033	U	0.051	0.033	0.0092
120-12-7	Anthracene	0.082	U	0.10	0.082	0.022
56-55-3	Benzo[a]anthracene	0.033	U	0.051	0.033	0.014
50-32-8	Benzo[a]pyrene	0.033	U	0.10	0.033	0.011
205-99-2	Benzo[b]fluoranthene	0.033	U	0.051	0.033	0.011
191-24-2	Benzo[g,h,i]perylene	0.033	U	0.051	0.033	0.012
207-08-9	Benzo[k]fluoranthene	0.033	U	0.051	0.033	0.012
218-01-9	Chrysene	0.033	U	0.10	0.033	0.016
53-70-3	Dibenz(a,h)anthracene	0.033	U	0.10	0.033	0.027
206-44-0	Fluoranthene	0.033	U	0.20	0.033	0.018
86-73-7	Fluorene	0.033	U	0.10	0.033	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.033	U	0.051	0.033	0.014
91-20-3	Naphthalene	0.082	U M	0.10	0.082	0.032
85-01-8	Phenanthrene	0.082	U	0.10	0.082	0.032
129-00-0	Pyrene	0.082	U	0.10	0.082	0.034

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	60		40-140
93951-69-0	Fluoranthene-d10 (Surr)	102		40-140
1718-51-0	Terphenyl-d14	112		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a013.D
Lims ID: 580-110975-B-3-A
Client ID: ERH2649 (OWDFMW07A)
Sample Type: Client
Inject. Date: 08-Mar-2022 14:04:30 ALS Bottle#: 10 Worklist Smp#: 43
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-B-3-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:05:44 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:05:44

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	17178	100.0	
* 2 Acenaphthene-d10	164	6.858	6.858	0.000	71	6435	100.0	
* 3 Phenanthrene-d10	188	8.331	8.326	0.005	56	11795	100.0	
* 4 Chrysene-d12	240	11.044	11.044	0.000	48	10353	100.0	
* 5 Perylene-d12	264	13.107	13.111	-0.004	69	11393	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	61094	601.2	
$ 10 2-Fluorobiphenyl	172	6.190	6.193	-0.003	0	63698	618.6	Ma
$ 7 2,4,6-Tribromophenol	330	7.646	7.646	0.000	59	16024	907.1	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.514	-0.008	69	124086	1018.4	
$ 9 Terphenyl-d14	244	9.900	9.908	-0.008	94	106266	1124.1	
11 Naphthalene	128	5.189	5.189	0.000	88	435	2.39	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	92	175	1.70	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	96	71	0.7114	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

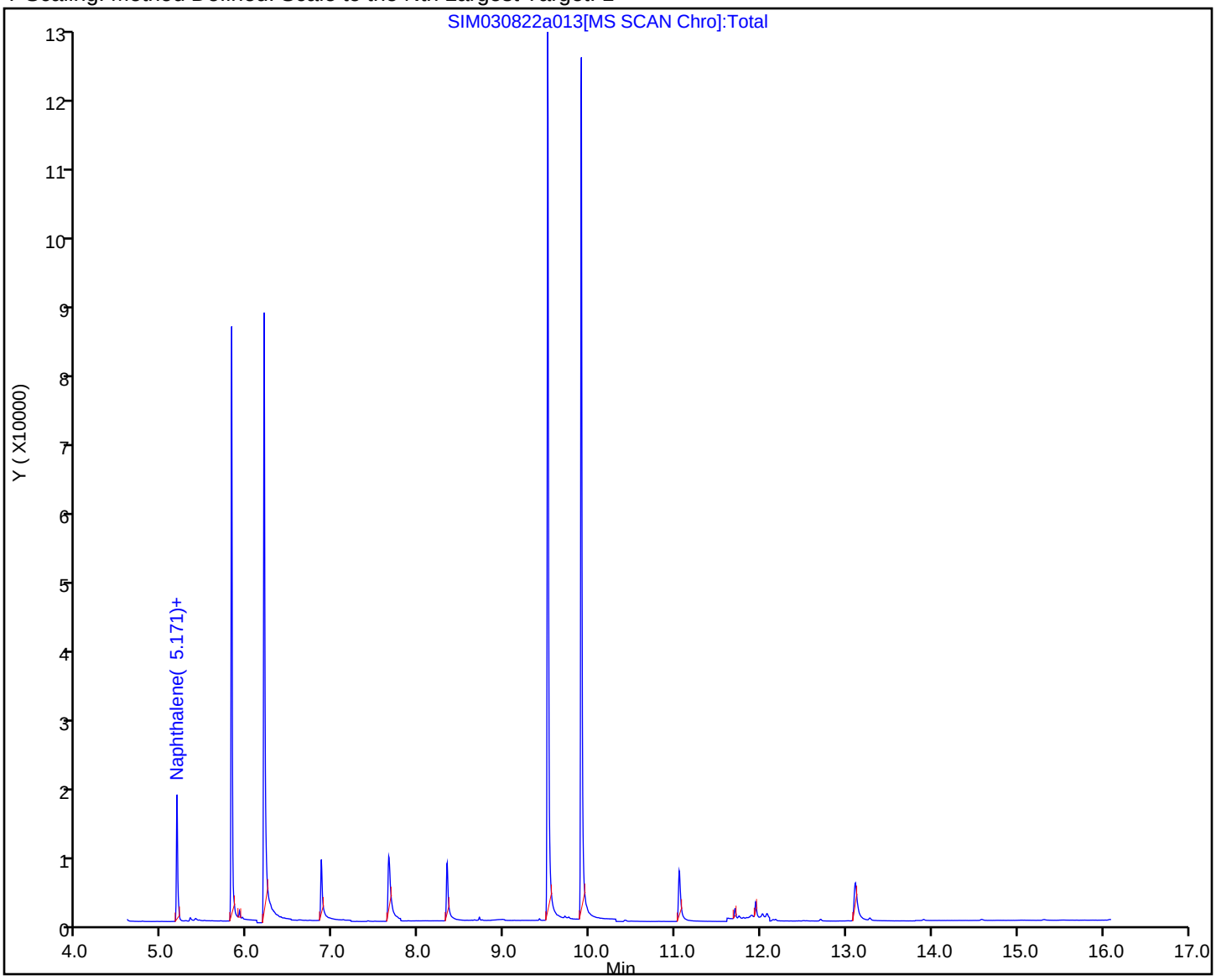
Report Date: 09-Mar-2022 11:05:44 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a013.D

Injection Date:	08-Mar-2022 14:04:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-3-A	Lab Sample ID:	580-110975-3		
Client ID:	ERH2649 (OWDFMW07A)				
Operator ID:	tl	ALS Bottle#:	10	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a013.D
Lims ID: 580-110975-B-3-A
Client ID: ERH2649 (OWDFMW07A)
Sample Type: Client
Inject. Date: 08-Mar-2022 14:04:30 ALS Bottle#: 10 Worklist Smp#: 43
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-B-3-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:05:44 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:05:44

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	601.2	60.12
$ 10 2-Fluorobiphenyl	1000.0	618.6	61.86
$ 7 2,4,6-Tribromophenol	1000.0	907.1	90.71
$ 8 Fluoranthene-d10 (Surr)	1000.0	1018.4	101.84
$ 9 Terphenyl-d14	1000.0	1124.1	112.41

Manual Integration/User Assign Peak Report

Eurofins Seattle

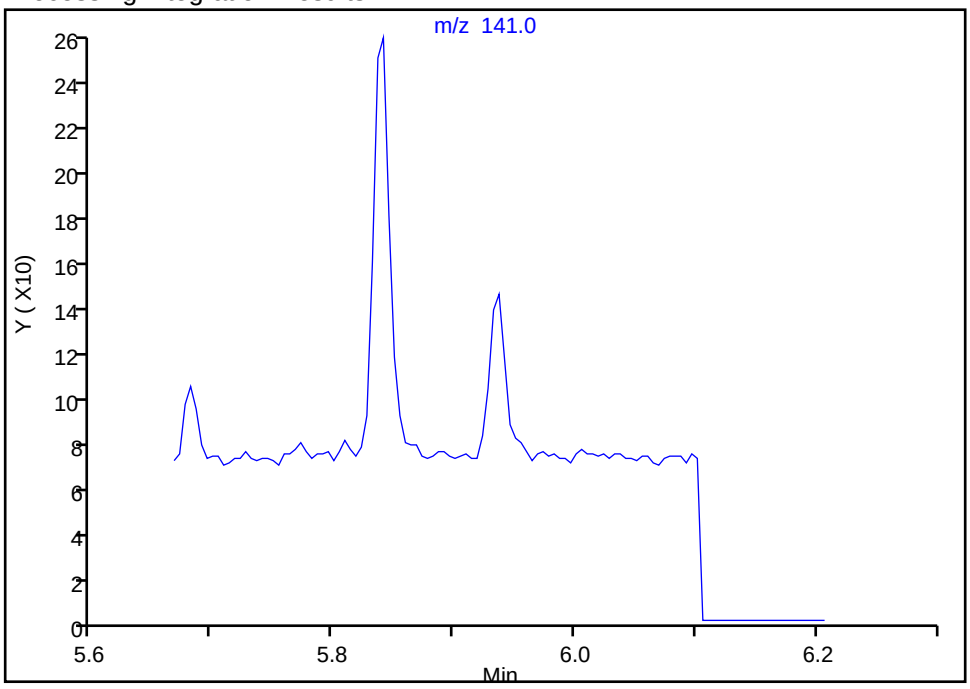
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a013.D				
Injection Date:	08-Mar-2022 14:04:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-3-A	Lab Sample ID:	580-110975-3		
Client ID:	ERH2649 (OWDFMW07A)				
Operator ID:	tl	ALS Bottle#:	10	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

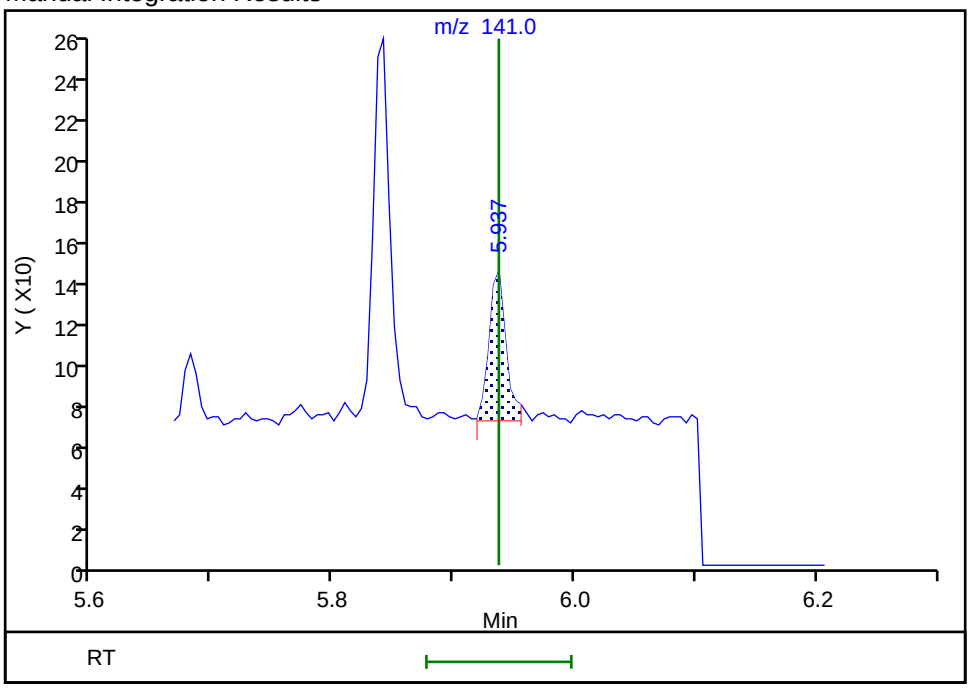
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 71
Amount: 0.711393
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:05:26
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

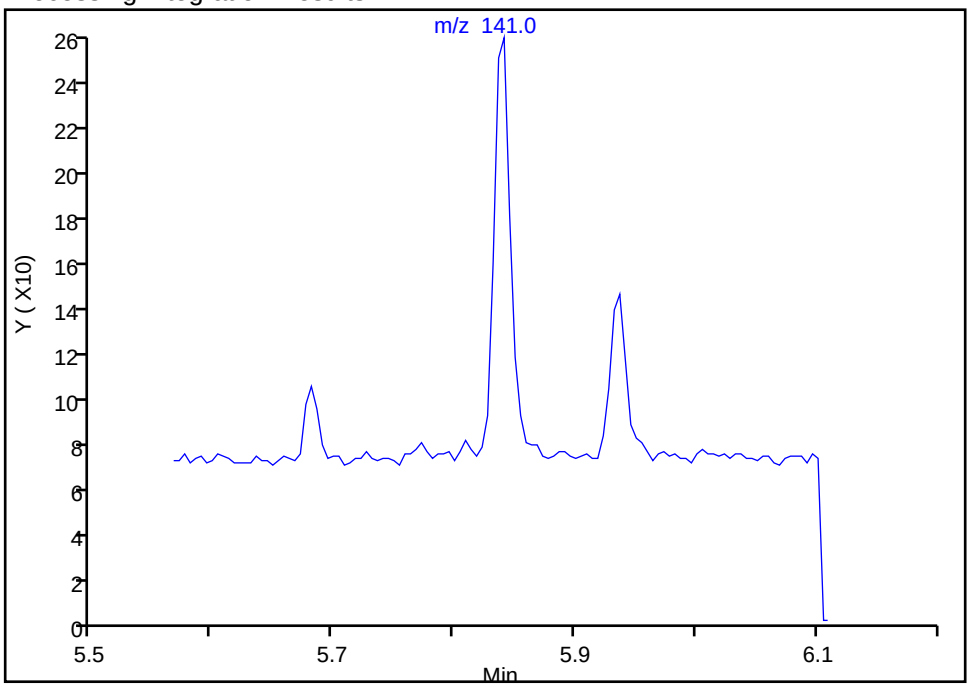
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a013.D				
Injection Date:	08-Mar-2022 14:04:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-3-A	Lab Sample ID:	580-110975-3		
Client ID:	ERH2649 (OWDFMW07A)				
Operator ID:	tl	ALS Bottle#:	10	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

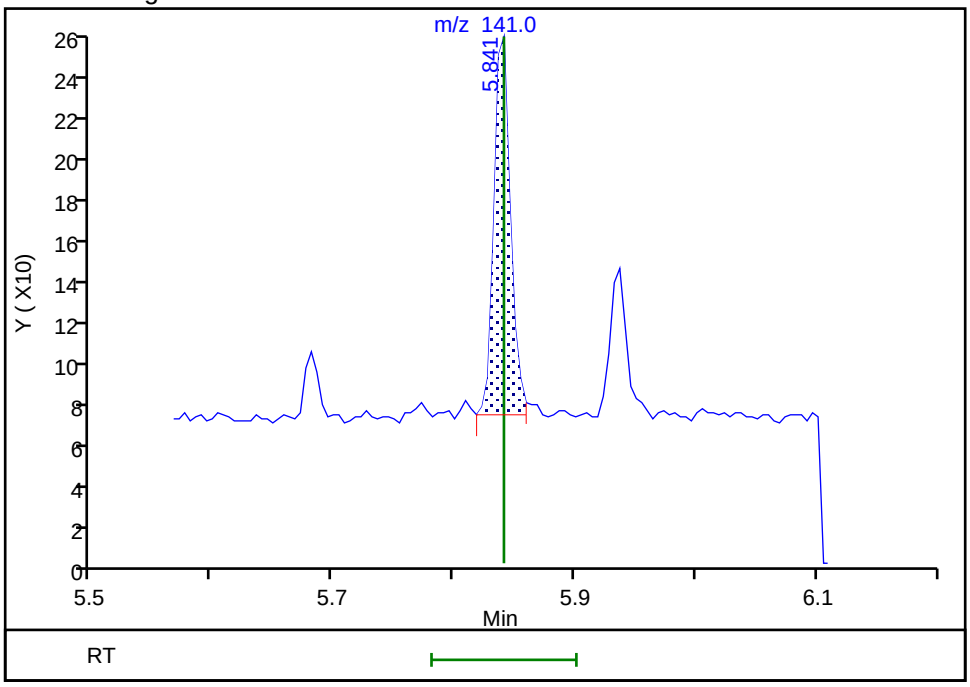
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 175
Amount: 1.698398
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:05:22
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

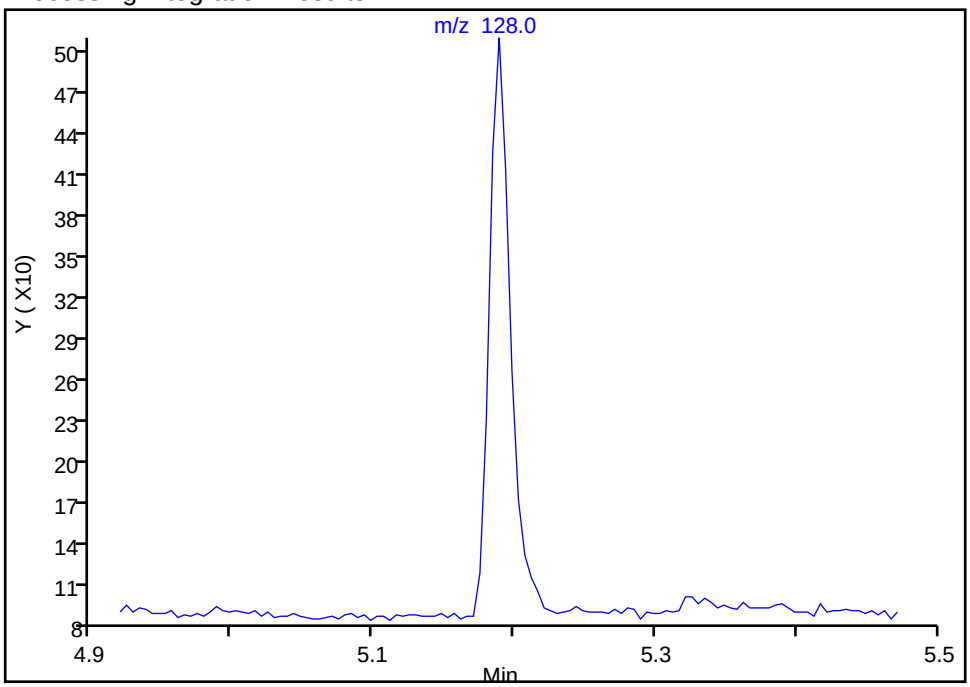
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a013.D				
Injection Date:	08-Mar-2022 14:04:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-3-A	Lab Sample ID:	580-110975-3		
Client ID:	ERH2649 (OWDFMW07A)				
Operator ID:	tl	ALS Bottle#:	10	Worklist Smp#:	43
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

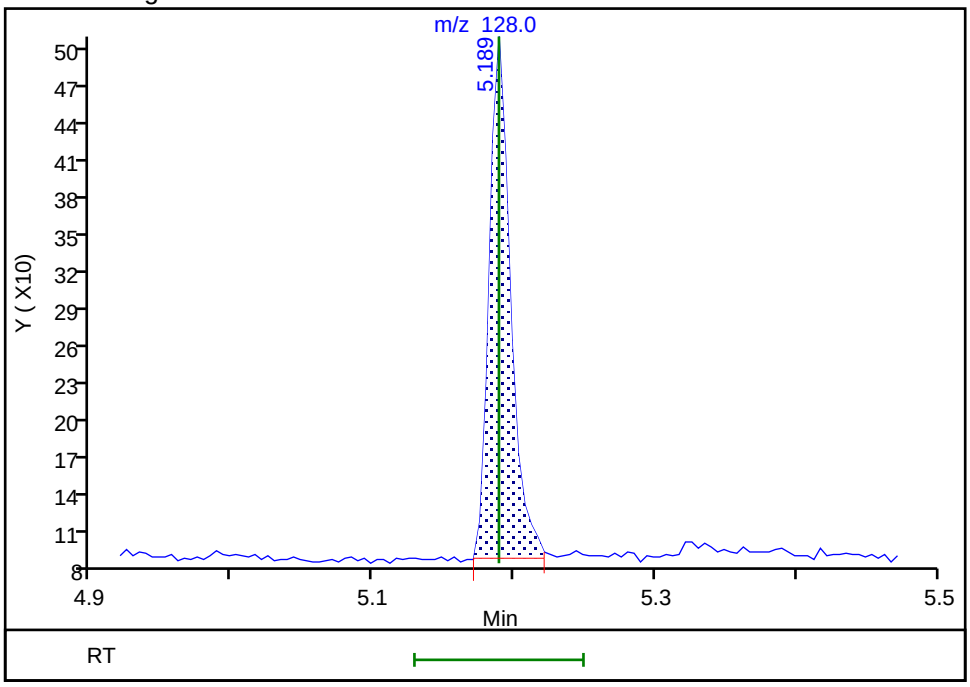
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 435
Amount: 2.394274
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:05:13
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2650 (OWDFMW08A) | Lab Sample ID: 580-110975-4

Matrix: Water | Lab File ID: SIM030822a014.D

Analysis Method: 8270E SIM | Date Collected: 02/28/2022 09:45

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 994.8(mL) | Date Analyzed: 03/08/2022 14:23

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383161 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.080	U M Q	0.20	0.080	0.039
83-32-9	Acenaphthene	0.032	U	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U	0.050	0.032	0.0090
120-12-7	Anthracene	0.080	U	0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	0.032	U	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.080	U M	0.10	0.080	0.031
85-01-8	Phenanthrene	0.080	U	0.10	0.080	0.031
129-00-0	Pyrene	0.080	U	0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	71		40-140
93951-69-0	Fluoranthene-d10 (Surr)	95		40-140
1718-51-0	Terphenyl-d14	105		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a014.D
Lims ID: 580-110975-A-4-A
Client ID: ERH2650 (OWDFMW08A)
Sample Type: Client
Inject. Date: 08-Mar-2022 14:23:30 ALS Bottle#: 11 Worklist Smp#: 44
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-A-4-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:06:38 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:06:38

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.166	5.171	-0.005	90	15434	100.0	
* 2 Acenaphthene-d10	164	6.858	6.858	0.000	70	5658	100.0	
* 3 Phenanthrene-d10	188	8.330	8.326	0.004	56	11620	100.0	
* 4 Chrysene-d12	240	11.049	11.044	0.005	48	9528	100.0	
* 5 Perylene-d12	264	13.102	13.111	-0.009	69	11023	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	64843	710.2	
$ 10 2-Fluorobiphenyl	172	6.190	6.193	-0.003	0	69388	766.4	Ma
$ 7 2,4,6-Tribromophenol	330	7.651	7.646	0.005	58	14213	914.8	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.514	-0.008	68	114013	949.7	
$ 9 Terphenyl-d14	244	9.900	9.908	-0.008	94	97823	1050.4	
11 Naphthalene	128	5.189	5.189	0.000	88	191	1.17	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	82	52	0.5617	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	94	35	0.3903	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

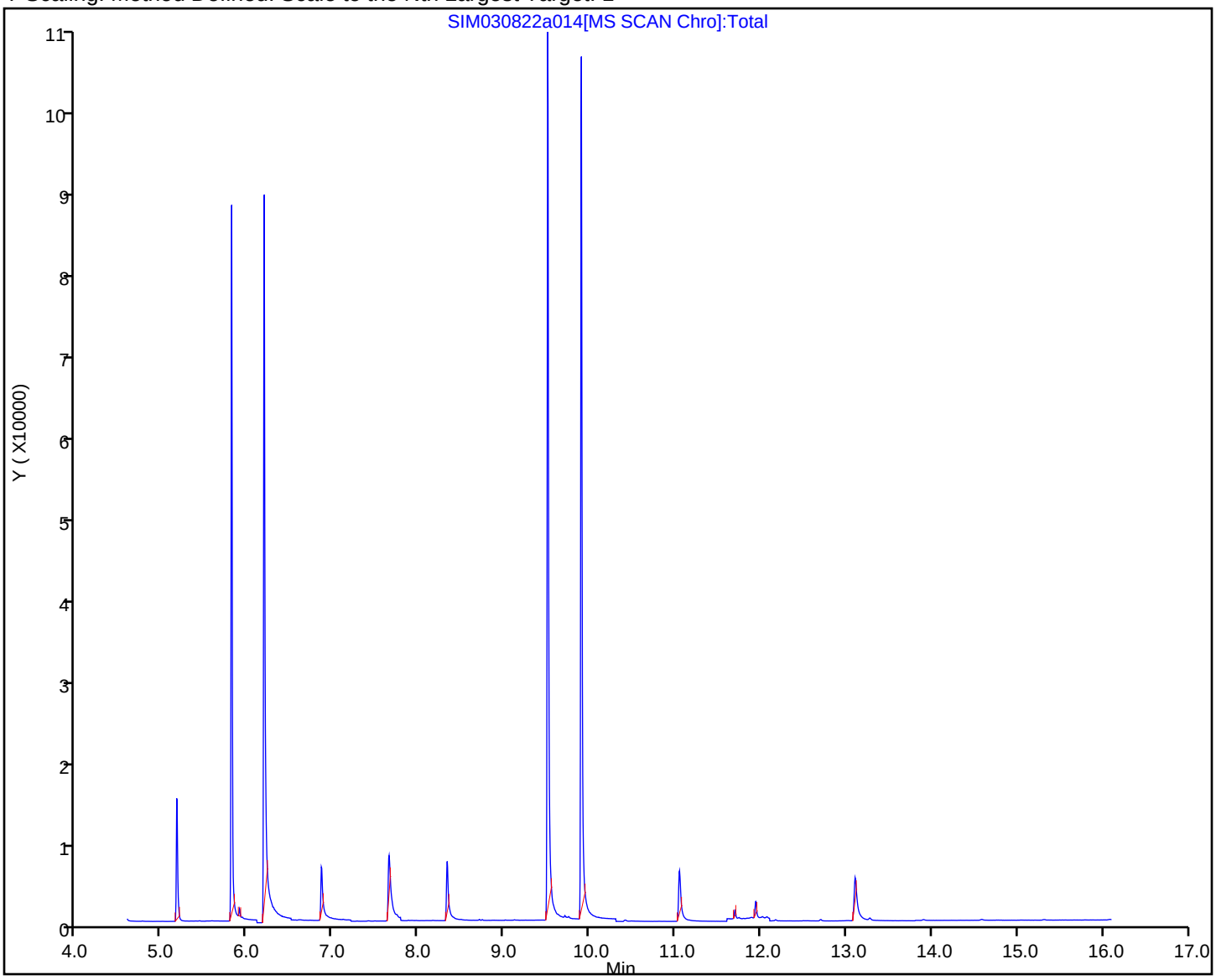
Report Date: 09-Mar-2022 11:06:38 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a014.D

Injection Date:	08-Mar-2022 14:23:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-4-A	Lab Sample ID:	580-110975-4		
Client ID:	ERH2650 (OWDFMW08A)				
Operator ID:	tl	ALS Bottle#:	11	Worklist Smp#:	44
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a014.D
Lims ID: 580-110975-A-4-A
Client ID: ERH2650 (OWDFMW08A)
Sample Type: Client
Inject. Date: 08-Mar-2022 14:23:30 ALS Bottle#: 11 Worklist Smp#: 44
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-A-4-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:06:38 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:06:38

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	710.2	71.02
$ 10 2-Fluorobiphenyl	1000.0	766.4	76.64
$ 7 2,4,6-Tribromophenol	1000.0	914.8	91.48
$ 8 Fluoranthene-d10 (Surr)	1000.0	949.7	94.97
$ 9 Terphenyl-d14	1000.0	1050.4	105.04

Manual Integration/User Assign Peak Report

Eurofins Seattle

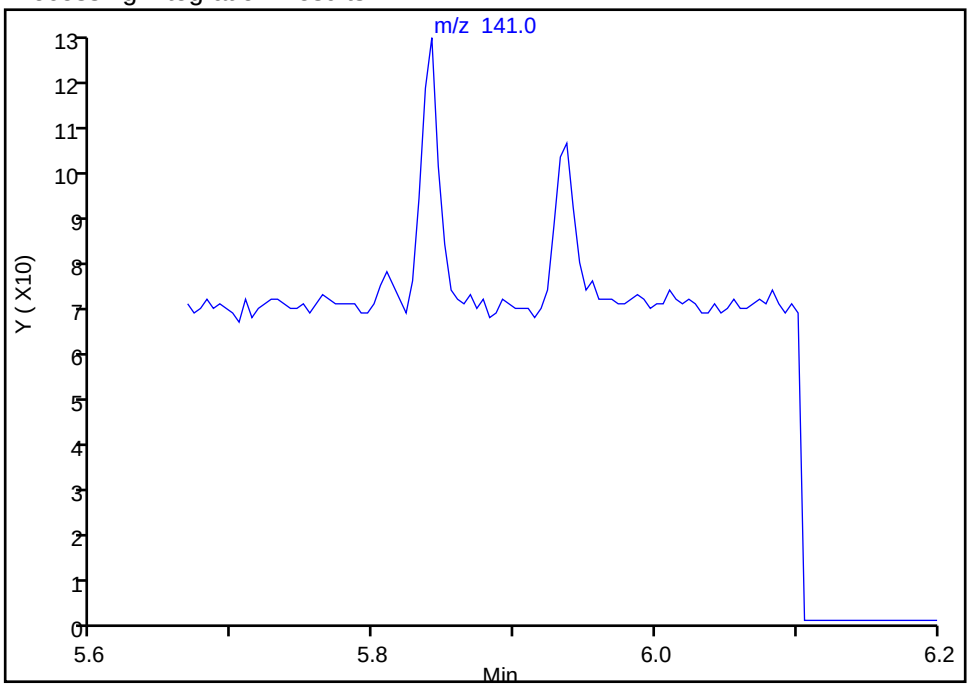
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a014.D				
Injection Date:	08-Mar-2022 14:23:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-4-A	Lab Sample ID:	580-110975-4		
Client ID:	ERH2650 (OWDFMW08A)				
Operator ID:	tl	ALS Bottle#:	11	Worklist Smp#:	44
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

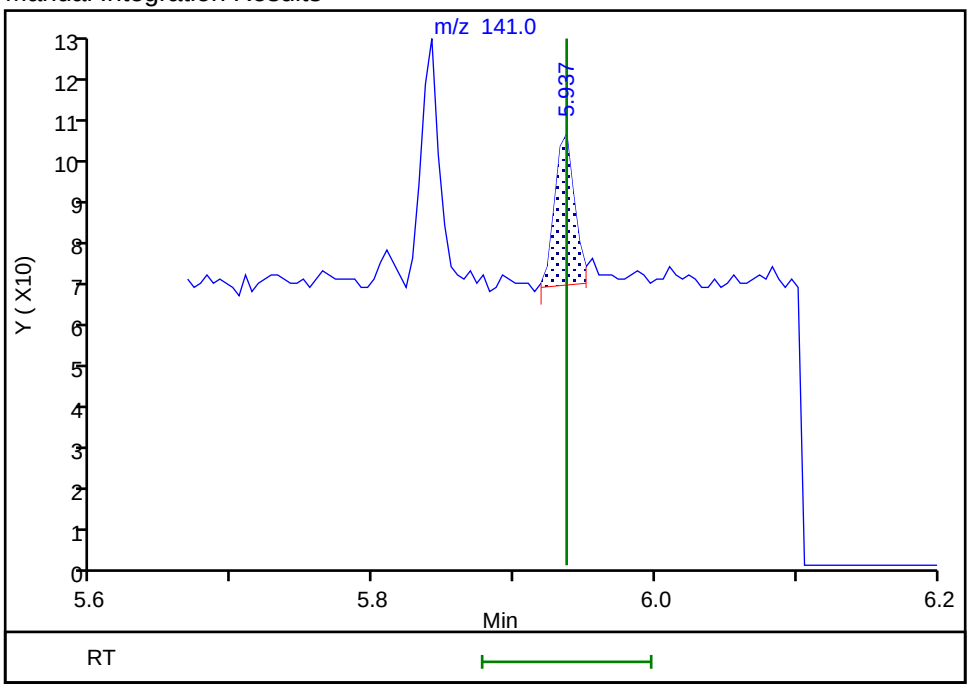
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 35
Amount: 0.390313
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:06:23
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

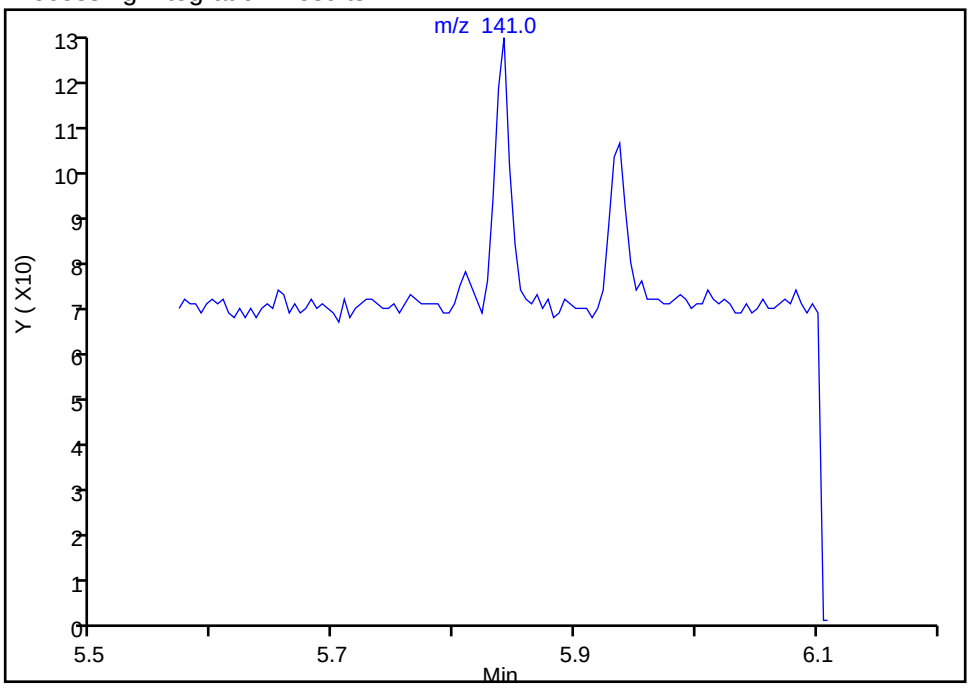
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a014.D				
Injection Date:	08-Mar-2022 14:23:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-4-A	Lab Sample ID:	580-110975-4		
Client ID:	ERH2650 (OWDFMW08A)				
Operator ID:	tl	ALS Bottle#:	11	Worklist Smp#:	44
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

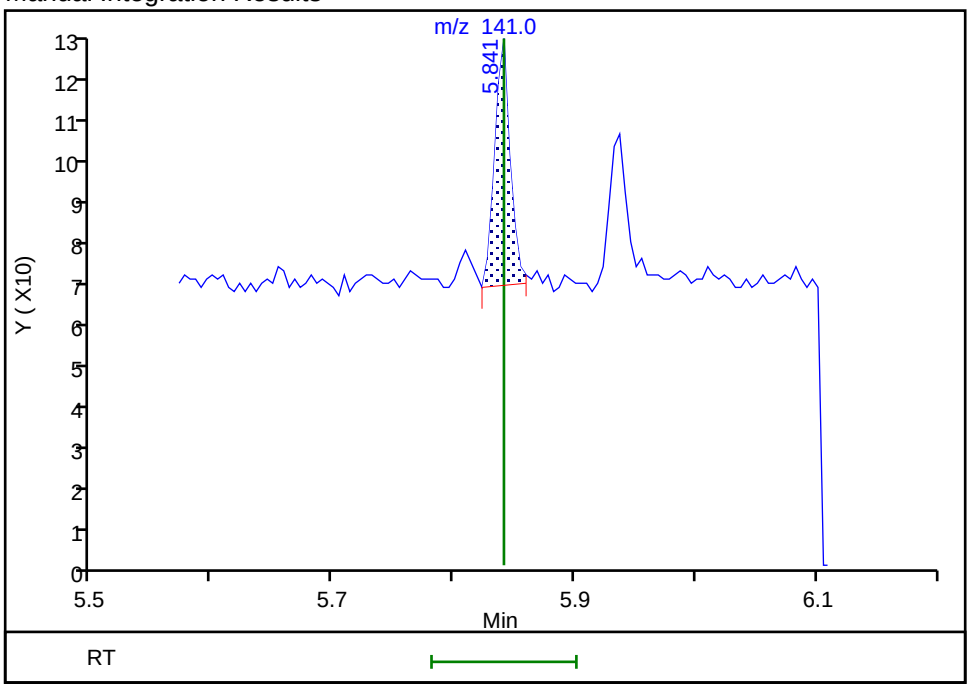
Not Detected
Expected RT: 5.84

Processing Integration Results



RT: 5.84
Area: 52
Amount: 0.561693
Amount Units: ug/L

Manual Integration Results



Reviewer: jantanuc, 09-Mar-2022 11:06:18
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

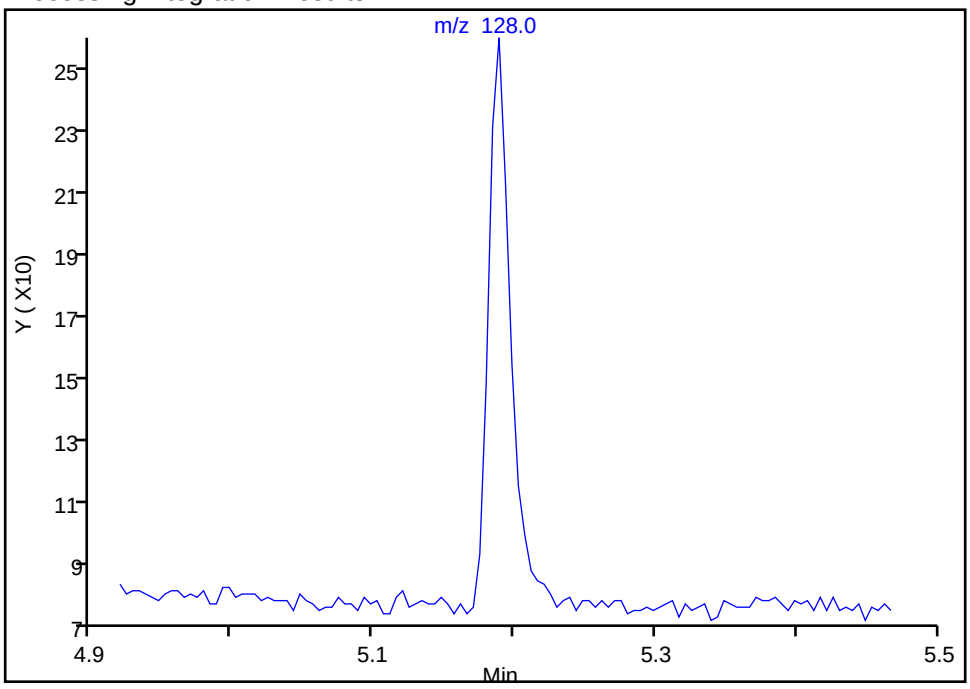
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a014.D				
Injection Date:	08-Mar-2022 14:23:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-4-A	Lab Sample ID:	580-110975-4		
Client ID:	ERH2650 (OWDFMW08A)				
Operator ID:	tl	ALS Bottle#:	11	Worklist Smp#:	44
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

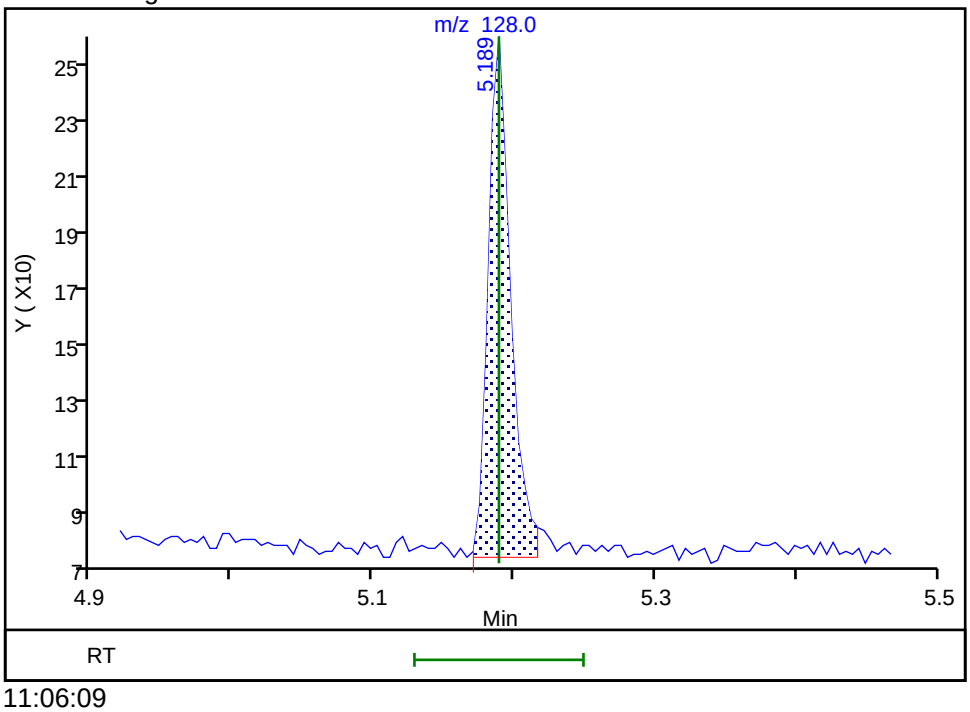
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 191
Amount: 1.170071
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:06:09
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2651 (OWDFMW08A FD) | Lab Sample ID: 580-110975-5

Matrix: Water | Lab File ID: SIM030822a015.D

Analysis Method: 8270E SIM | Date Collected: 02/28/2022 09:45

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1052.5(mL) | Date Analyzed: 03/08/2022 14:43

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383161 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.030	U M	0.095	0.030	0.018
91-57-6	2-Methylnaphthalene	0.076	U M Q	0.19	0.076	0.037
83-32-9	Acenaphthene	0.030	U	0.095	0.030	0.013
208-96-8	Acenaphthylene	0.030	U	0.048	0.030	0.0086
120-12-7	Anthracene	0.076	U	0.095	0.076	0.021
56-55-3	Benzo[a]anthracene	0.030	U	0.048	0.030	0.013
50-32-8	Benzo[a]pyrene	0.030	U	0.095	0.030	0.010
205-99-2	Benzo[b]fluoranthene	0.030	U	0.048	0.030	0.010
191-24-2	Benzo[g,h,i]perylene	0.030	U	0.048	0.030	0.011
207-08-9	Benzo[k]fluoranthene	0.030	U	0.048	0.030	0.011
218-01-9	Chrysene	0.030	U	0.095	0.030	0.015
53-70-3	Dibenz(a,h)anthracene	0.030	U	0.095	0.030	0.025
206-44-0	Fluoranthene	0.030	U	0.19	0.030	0.017
86-73-7	Fluorene	0.030	U	0.095	0.030	0.016
193-39-5	Indeno[1,2,3-cd]pyrene	0.030	U	0.048	0.030	0.013
91-20-3	Naphthalene	0.076	U M	0.095	0.076	0.029
85-01-8	Phenanthrene	0.076	U	0.095	0.076	0.029
129-00-0	Pyrene	0.076	U M	0.095	0.076	0.031

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	61		40-140
93951-69-0	Fluoranthene-d10 (Surr)	84		40-140
1718-51-0	Terphenyl-d14	93		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a015.D
Lims ID: 580-110975-A-5-A
Client ID: ERH2651 (OWDFMW08A FD)
Sample Type: Client
Inject. Date: 08-Mar-2022 14:43:30 ALS Bottle#: 12 Worklist Smp#: 45
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-A-5-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:51:22 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:51:22

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	16513	100.0	
* 2 Acenaphthene-d10	164	6.858	6.858	0.000	70	6012	100.0	
* 3 Phenanthrene-d10	188	8.330	8.326	0.004	56	12231	100.0	
* 4 Chrysene-d12	240	11.044	11.044	0.000	49	9875	100.0	
* 5 Perylene-d12	264	13.102	13.111	-0.009	69	11317	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	59381	607.8	
$ 10 2-Fluorobiphenyl	172	6.190	6.193	-0.003	0	62843	653.2	Ma
$ 7 2,4,6-Tribromophenol	330	7.651	7.646	0.005	58	13586	826.2	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.514	-0.008	68	106384	841.8	
$ 9 Terphenyl-d14	244	9.900	9.908	-0.008	94	91278	931.2	
11 Naphthalene	128	5.189	5.189	0.000	88	177	1.01	Ma
12 2-Methylnaphthalene	141	5.837	5.841	-0.004	83	57	0.5755	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	93	34	0.3544	M
21 Pyrene	202	9.754	9.758	-0.004	51	196	-0.0133	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

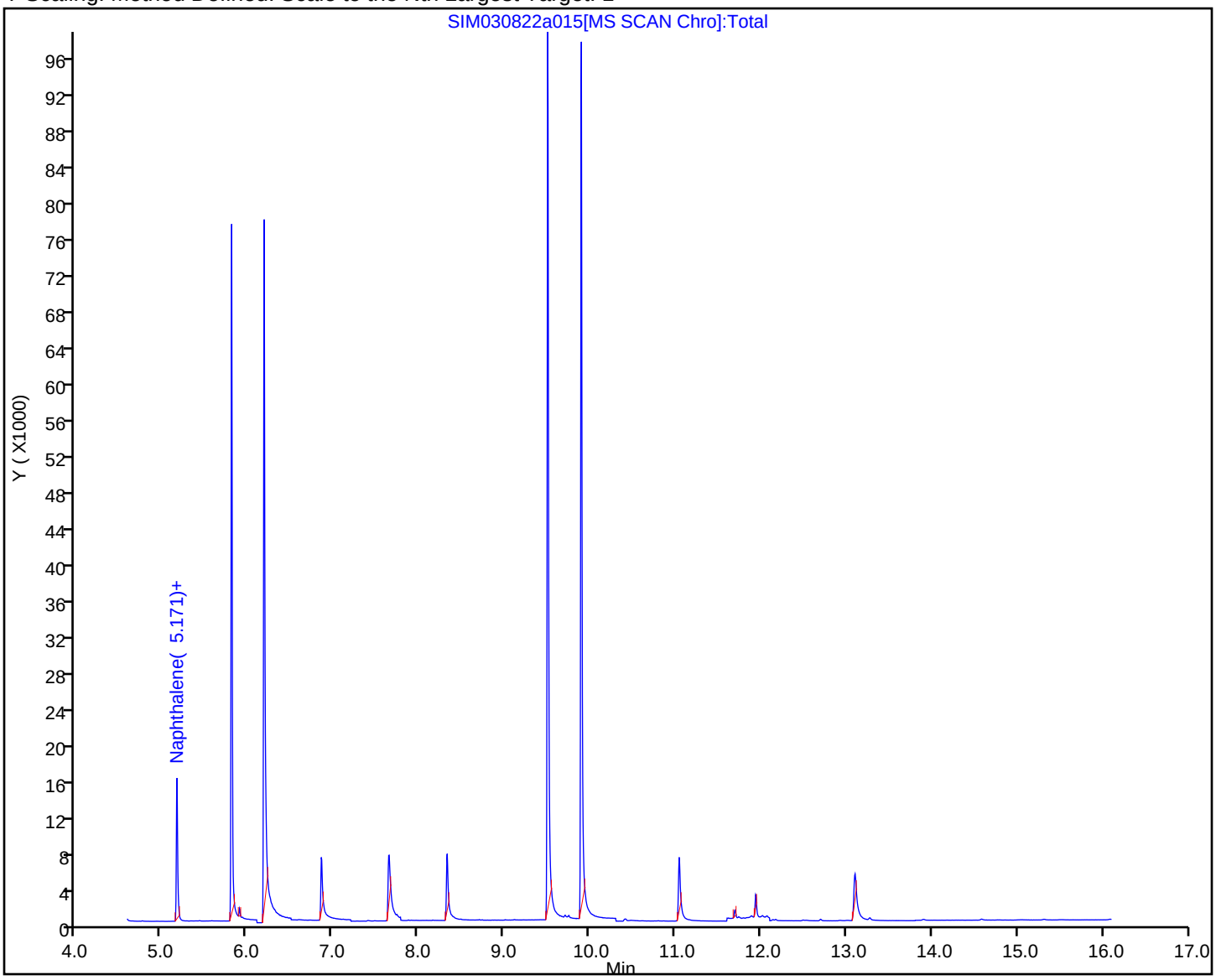
Report Date: 09-Mar-2022 11:51:22 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a015.D

Injection Date:	08-Mar-2022 14:43:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-5-A	Lab Sample ID:	580-110975-5		
Client ID:	ERH2651 (OWDFMW08A FD)				
Operator ID:	tl	ALS Bottle#:	12	Worklist Smp#:	45
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a015.D
Lims ID: 580-110975-A-5-A
Client ID: ERH2651 (OWDFMW08A FD)
Sample Type: Client
Inject. Date: 08-Mar-2022 14:43:30 ALS Bottle#: 12 Worklist Smp#: 45
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-A-5-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:51:22 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:51:22

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	607.8	60.78
$ 10 2-Fluorobiphenyl	1000.0	653.2	65.32
$ 7 2,4,6-Tribromophenol	1000.0	826.2	82.62
$ 8 Fluoranthene-d10 (Surr)	1000.0	841.8	84.18
$ 9 Terphenyl-d14	1000.0	931.2	93.12

Manual Integration/User Assign Peak Report

Eurofins Seattle

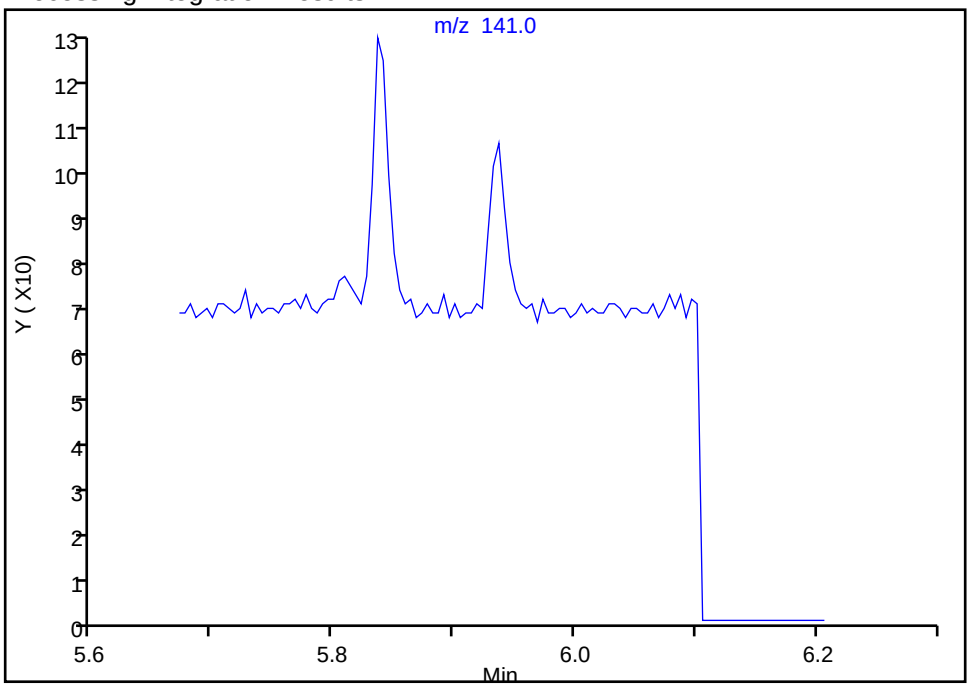
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a015.D				
Injection Date:	08-Mar-2022 14:43:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-5-A	Lab Sample ID:	580-110975-5		
Client ID:	ERH2651 (OWDFMW08A FD)				
Operator ID:	tl	ALS Bottle#:	12	Worklist Smp#:	45
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

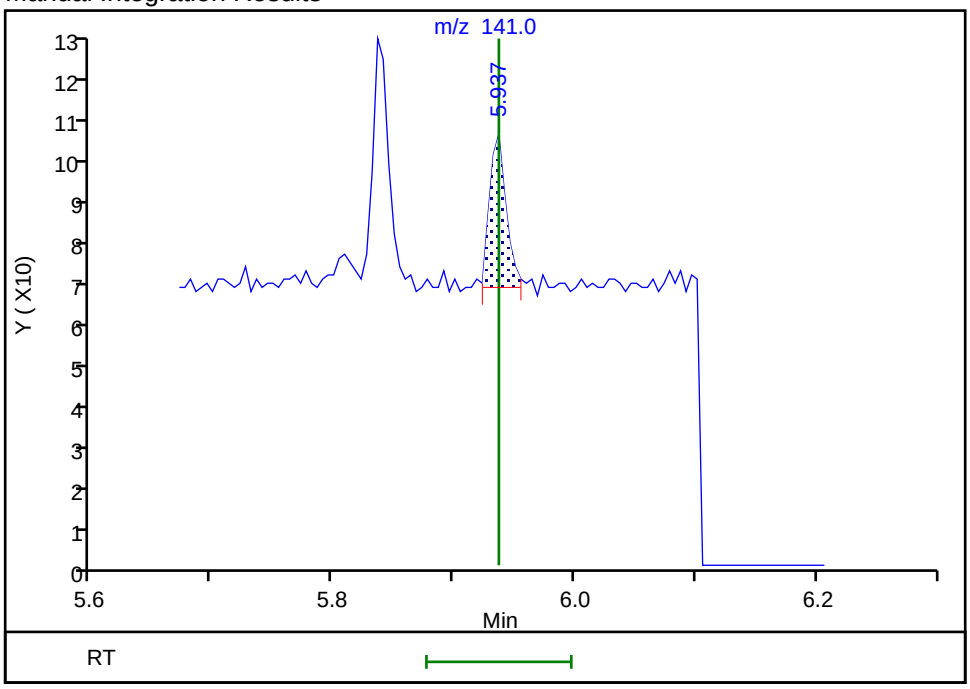
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 34
Amount: 0.354386
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:50:57
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

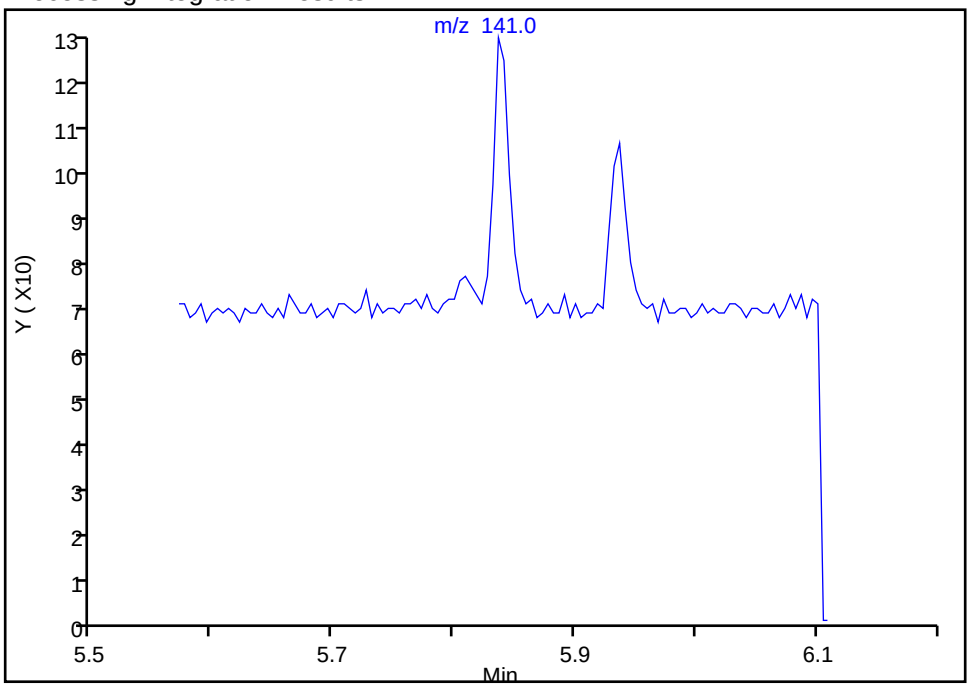
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a015.D				
Injection Date:	08-Mar-2022 14:43:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-5-A	Lab Sample ID:	580-110975-5		
Client ID:	ERH2651 (OWDFMW08A FD)				
Operator ID:	tl	ALS Bottle#:	12	Worklist Smp#:	45
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

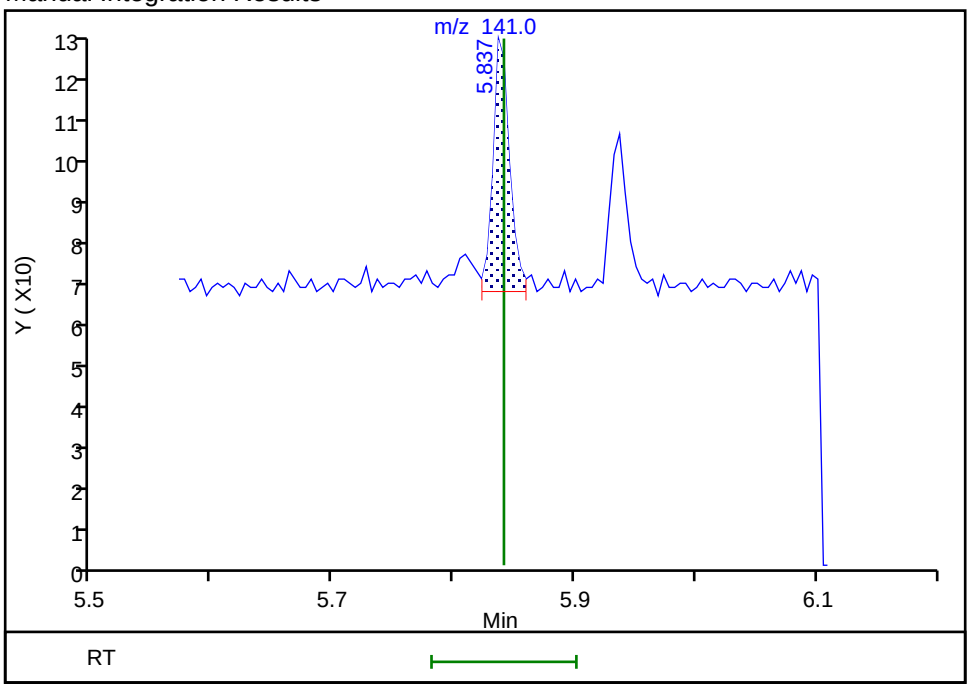
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 57
Amount: 0.575470
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:50:52
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

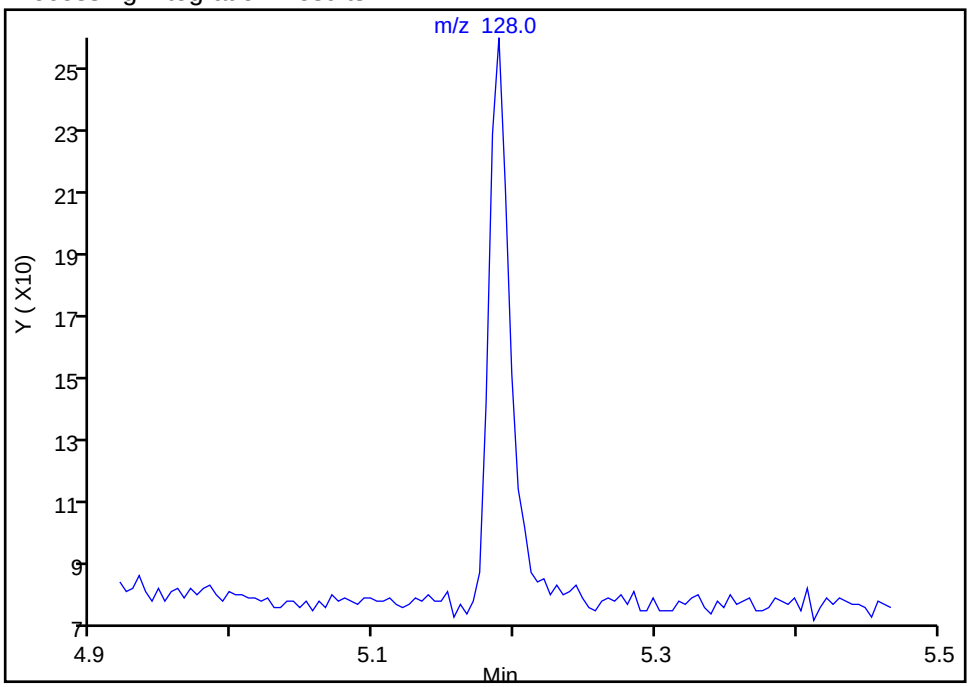
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a015.D				
Injection Date:	08-Mar-2022 14:43:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-5-A	Lab Sample ID:	580-110975-5		
Client ID:	ERH2651 (OWDFMW08A FD)				
Operator ID:	tl	ALS Bottle#:	12	Worklist Smp#:	45
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

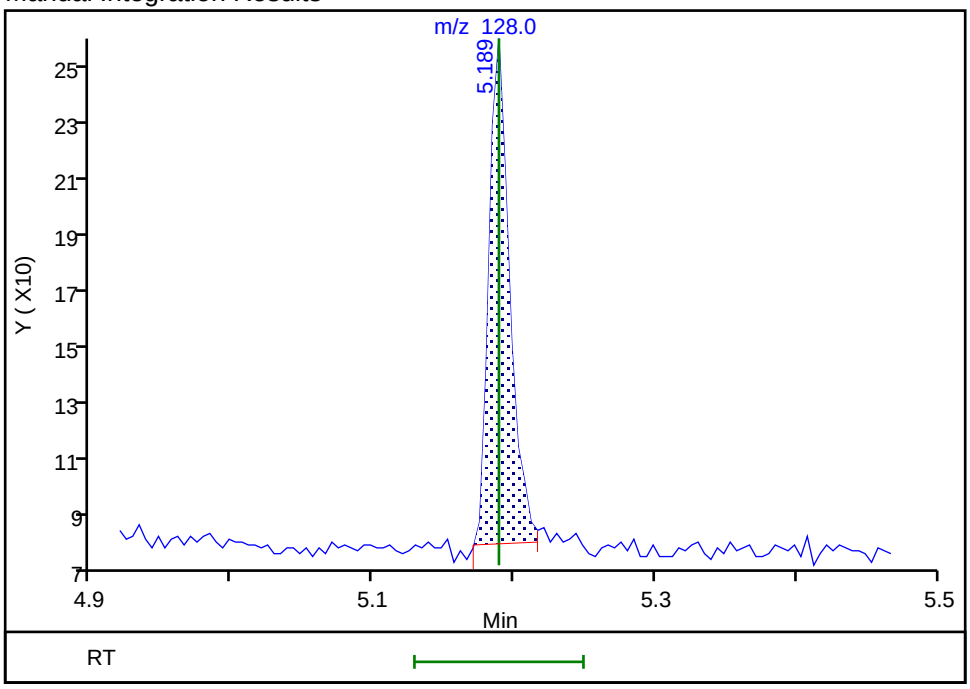
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 177
Amount: 1.013455
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:50:47
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

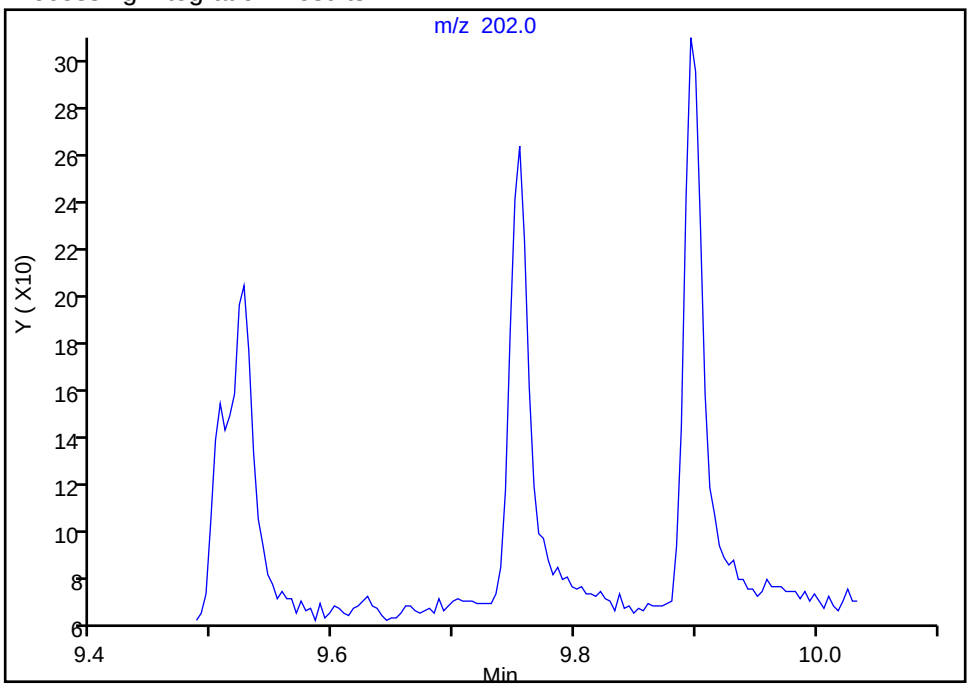
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a015.D				
Injection Date:	08-Mar-2022 14:43:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-5-A	Lab Sample ID:	580-110975-5		
Client ID:	ERH2651 (OWDFMW08A FD)				
Operator ID:	tl	ALS Bottle#:	12	Worklist Smp#:	45
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

21 Pyrene, CAS: 129-00-0

Signal: 1

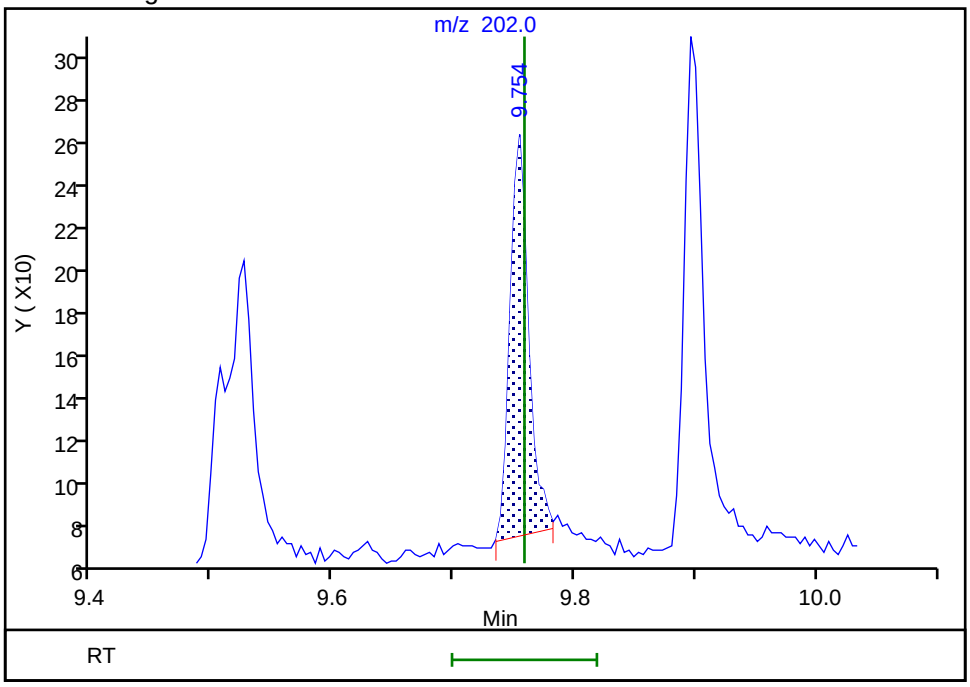
Not Detected
Expected RT: 9.76

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 196
Amount: -0.013299
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:51:10
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2652 (RHMW14-3) | Lab Sample ID: 580-110975-6

Matrix: Water | Lab File ID: SIM030822a016.D

Analysis Method: 8270E SIM | Date Collected: 03/01/2022 10:25

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 993.1(mL) | Date Analyzed: 03/08/2022 15:02

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383161 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.081	U M Q	0.20	0.081	0.039
83-32-9	Acenaphthene	0.032	U	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U	0.050	0.032	0.0091
120-12-7	Anthracene	0.081	U	0.10	0.081	0.022
56-55-3	Benzo[a]anthracene	0.032	U	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.081	U M	0.10	0.081	0.031
85-01-8	Phenanthrene	0.081	U	0.10	0.081	0.031
129-00-0	Pyrene	0.081	U	0.10	0.081	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	58		40-140
93951-69-0	Fluoranthene-d10 (Surr)	91		40-140
1718-51-0	Terphenyl-d14	101		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a016.D
Lims ID: 580-110975-B-6-A
Client ID: ERH2652 (RHMW14-3)
Sample Type: Client
Inject. Date: 08-Mar-2022 15:02:30 ALS Bottle#: 13 Worklist Smp#: 46
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-B-6-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:56:11 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:56:11

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.166	5.171	-0.005	90	16197	100.0	
* 2 Acenaphthene-d10	164	6.858	6.858	0.000	69	5820	100.0	
* 3 Phenanthrene-d10	188	8.327	8.326	0.001	56	12159	100.0	
* 4 Chrysene-d12	240	11.040	11.044	-0.004	49	9898	100.0	
* 5 Perylene-d12	264	13.097	13.111	-0.014	69	10803	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	55926	583.7	
$ 10 2-Fluorobiphenyl	172	6.190	6.193	-0.003	0	60272	647.2	Ma
$ 7 2,4,6-Tribromophenol	330	7.642	7.646	-0.004	59	15822	986.9	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.514	-0.008	68	114115	908.4	
$ 9 Terphenyl-d14	244	9.896	9.908	-0.012	94	98576	1011.6	
11 Naphthalene	128	5.189	5.189	0.000	88	141	0.8231	M
12 2-Methylnaphthalene	141	5.837	5.841	-0.004	80	48	0.4941	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	93	32	0.3400	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

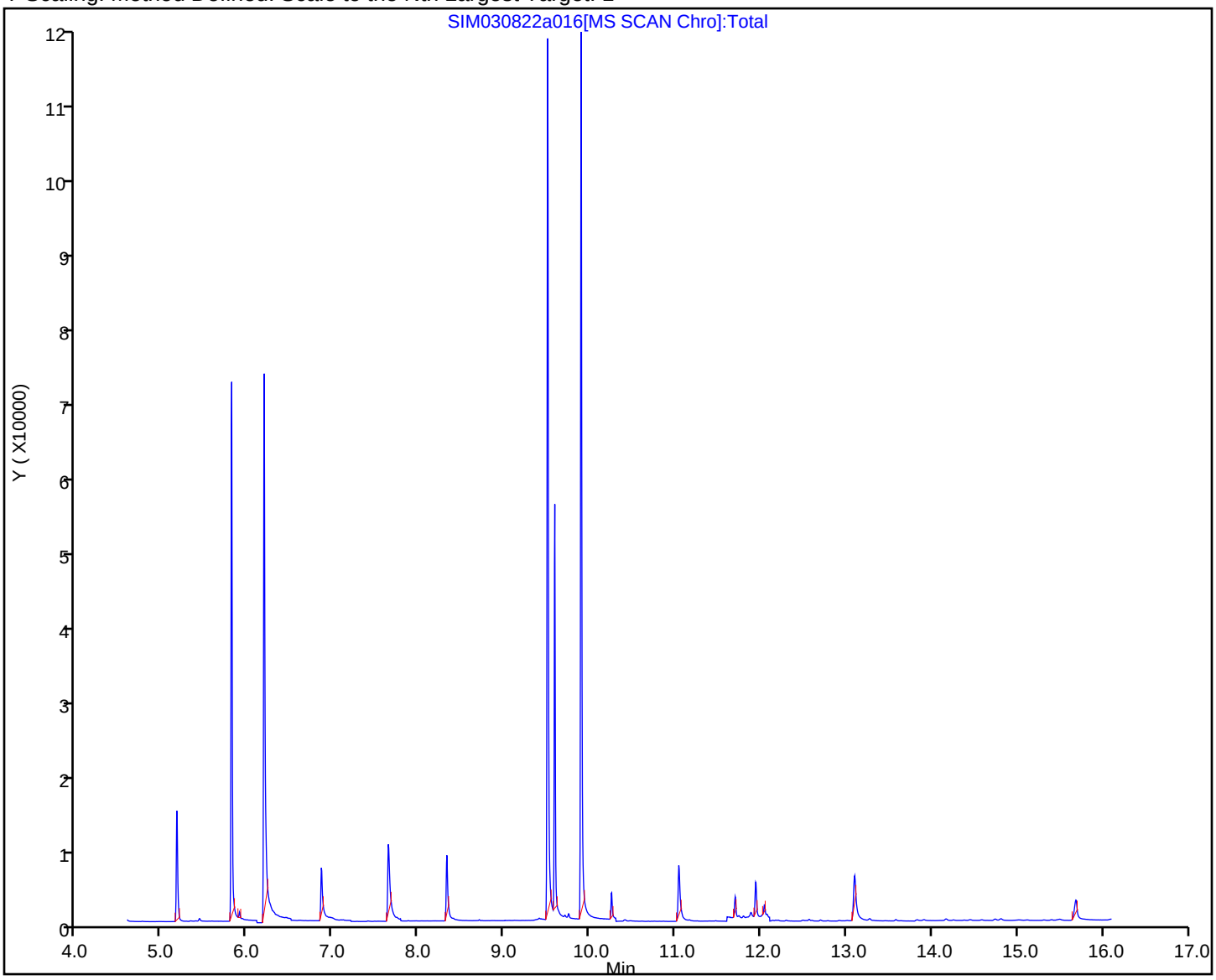
Report Date: 09-Mar-2022 11:56:12 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a016.D

Injection Date:	08-Mar-2022 15:02:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-6-A	Lab Sample ID:	580-110975-6		
Client ID:	ERH2652 (RHMW14-3)				
Operator ID:	tl	ALS Bottle#:	13	Worklist Smp#:	46
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a016.D
Lims ID: 580-110975-B-6-A
Client ID: ERH2652 (RHMW14-3)
Sample Type: Client
Inject. Date: 08-Mar-2022 15:02:30 ALS Bottle#: 13 Worklist Smp#: 46
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-B-6-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:56:11 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:56:11

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	583.7	58.37
$ 10 2-Fluorobiphenyl	1000.0	647.2	64.72
$ 7 2,4,6-Tribromophenol	1000.0	986.9	98.69
$ 8 Fluoranthene-d10 (Surr)	1000.0	908.4	90.84
$ 9 Terphenyl-d14	1000.0	1011.6	101.16

Manual Integration/User Assign Peak Report

Eurofins Seattle

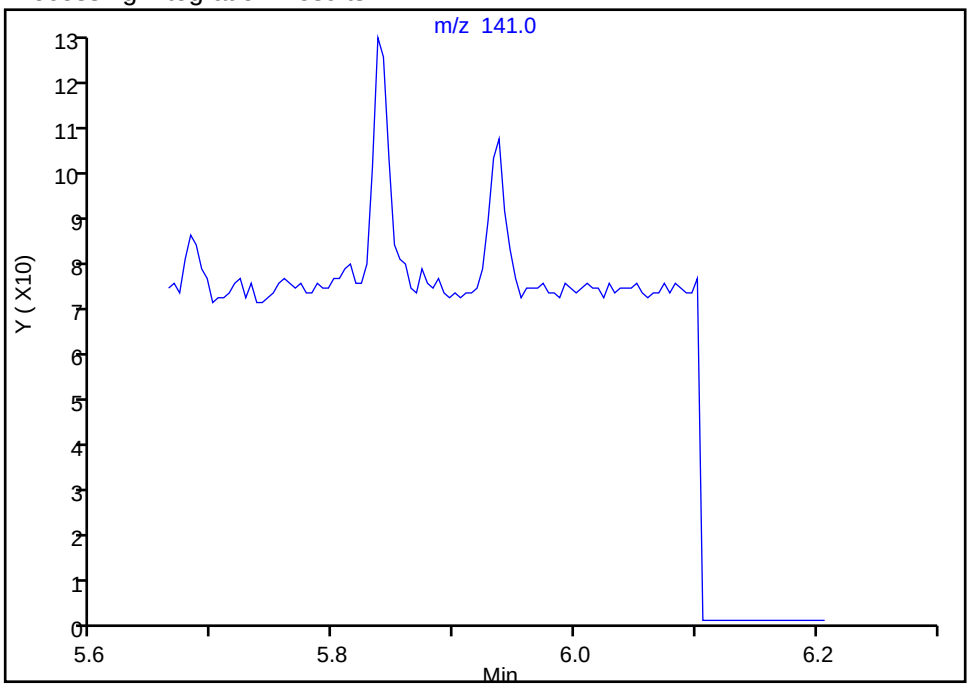
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a016.D				
Injection Date:	08-Mar-2022 15:02:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-6-A	Lab Sample ID:	580-110975-6		
Client ID:	ERH2652 (RHMW14-3)				
Operator ID:	tl	ALS Bottle#:	13	Worklist Smp#:	46
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

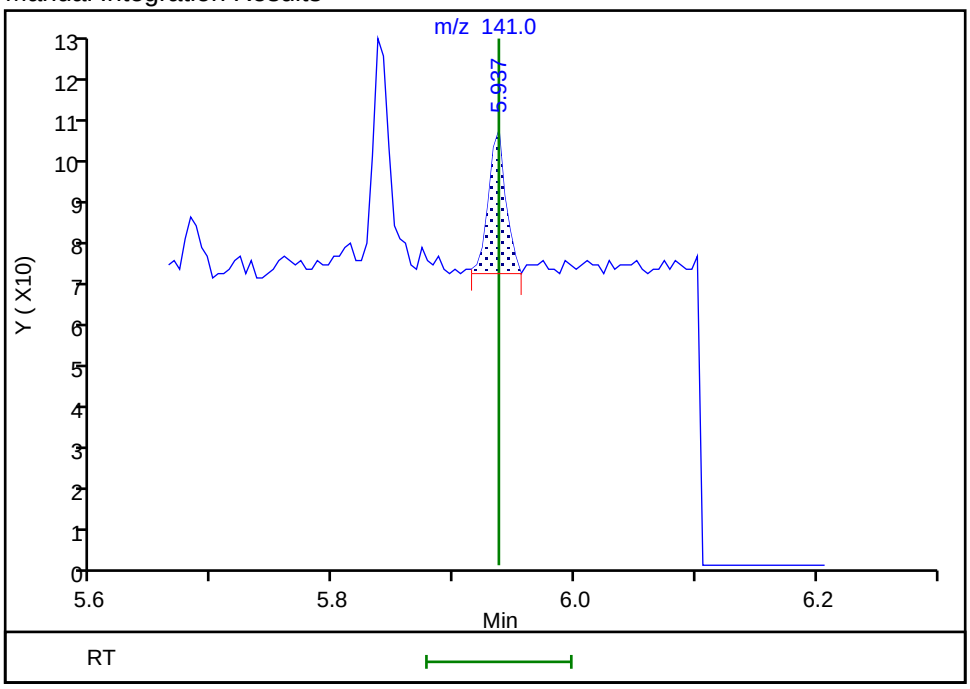
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 32
Amount: 0.340047
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:55:33
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

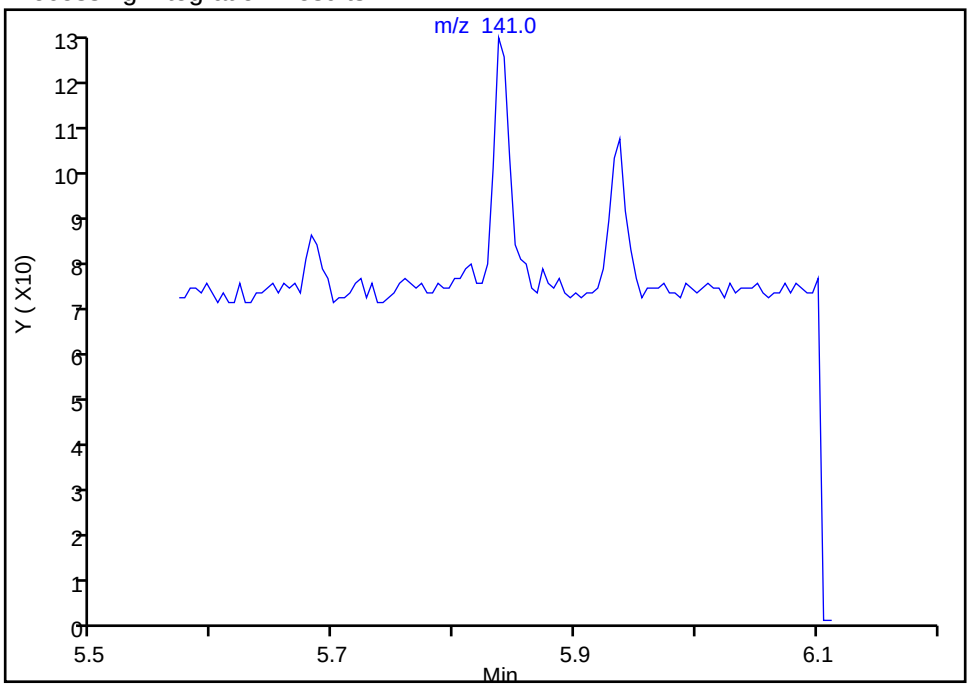
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a016.D				
Injection Date:	08-Mar-2022 15:02:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-6-A	Lab Sample ID:	580-110975-6		
Client ID:	ERH2652 (RHMW14-3)				
Operator ID:	tl	ALS Bottle#:	13	Worklist Smp#:	46
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

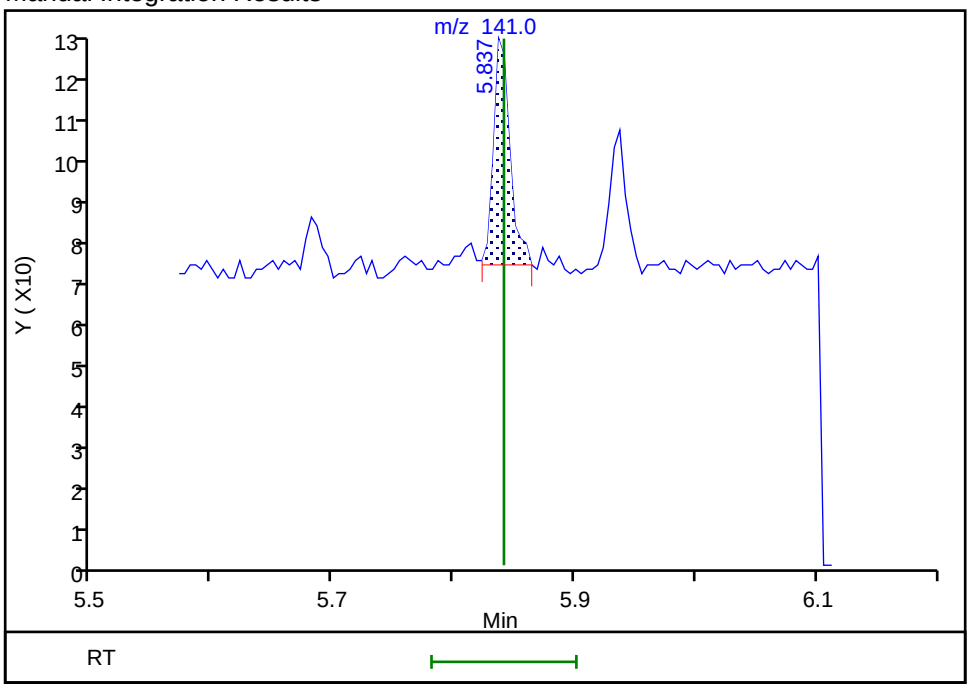
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 48
Amount: 0.494061
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:54:46
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

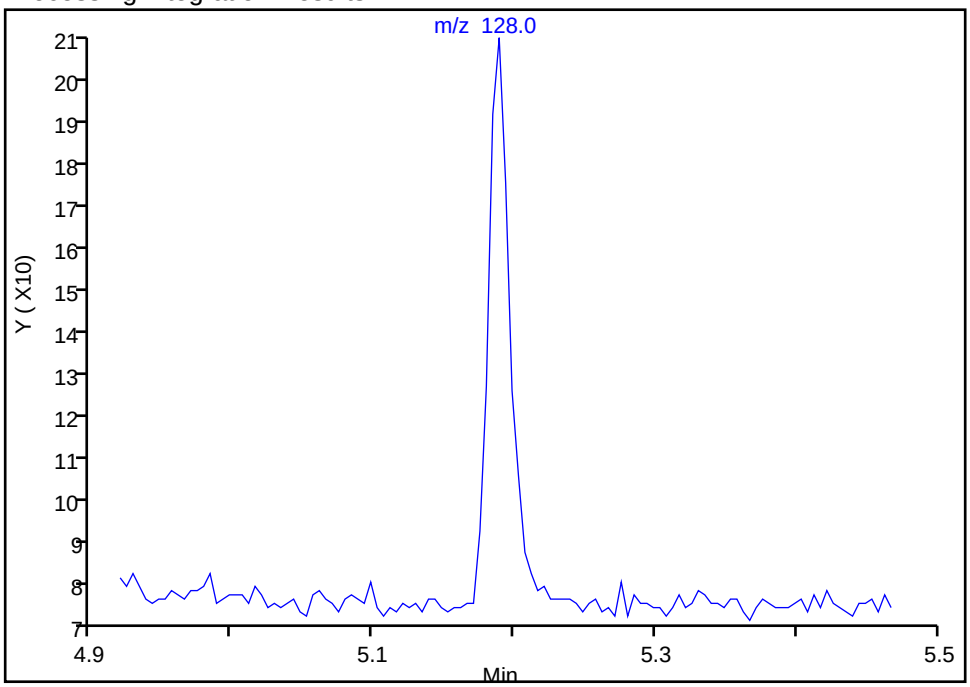
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a016.D				
Injection Date:	08-Mar-2022 15:02:30	Instrument ID:	TAC050		
Lims ID:	580-110975-B-6-A	Lab Sample ID:	580-110975-6		
Client ID:	ERH2652 (RHMW14-3)				
Operator ID:	tl	ALS Bottle#:	13	Worklist Smp#:	46
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

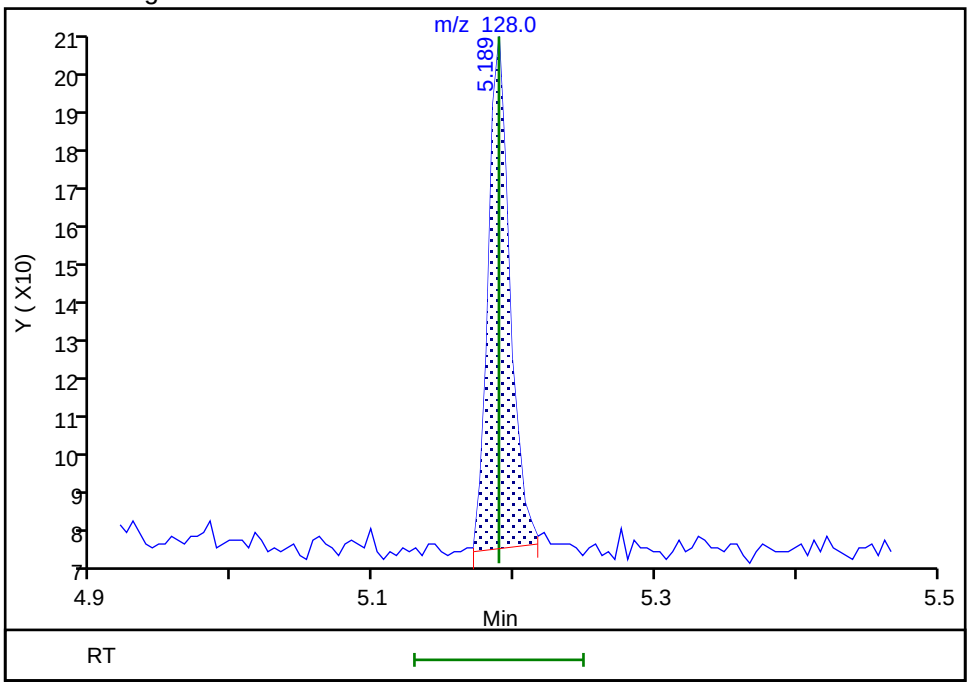
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 141
Amount: 0.823080
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:54:41
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2653 (RHMW16) | Lab Sample ID: 580-110975-7

Matrix: Water | Lab File ID: SIM030822a017.D

Analysis Method: 8270E SIM | Date Collected: 03/01/2022 11:10

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 996(mL) | Date Analyzed: 03/08/2022 15:21

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383161 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.080	U M Q	0.20	0.080	0.039
83-32-9	Acenaphthene	0.032	U	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U	0.050	0.032	0.0090
120-12-7	Anthracene	0.080	U	0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	0.032	U	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.080	U M	0.10	0.080	0.031
85-01-8	Phenanthrene	0.080	U	0.10	0.080	0.031
129-00-0	Pyrene	0.080	U	0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	49		40-140
93951-69-0	Fluoranthene-d10 (Surr)	82		40-140
1718-51-0	Terphenyl-d14	93		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a017.D
Lims ID: 580-110975-A-7-A
Client ID: ERH2653 (RHMW16)
Sample Type: Client
Inject. Date: 08-Mar-2022 15:21:30 ALS Bottle#: 14 Worklist Smp#: 47
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-A-7-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:56:59 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:56:59

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	16226	100.0	
* 2 Acenaphthene-d10	164	6.862	6.858	0.004	72	5905	100.0	
* 3 Phenanthrene-d10	188	8.330	8.326	0.004	56	11555	100.0	
* 4 Chrysene-d12	240	11.044	11.044	0.000	48	9784	100.0	
* 5 Perylene-d12	264	13.102	13.111	-0.009	69	11238	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	47169	491.4	
$ 10 2-Fluorobiphenyl	172	6.190	6.193	-0.003	0	50182	531.1	Ma
$ 7 2,4,6-Tribromophenol	330	7.651	7.646	0.004	58	12705	787.9	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.514	-0.008	69	97947	820.3	
$ 9 Terphenyl-d14	244	9.900	9.908	-0.008	94	85813	926.6	
11 Naphthalene	128	5.189	5.189	0.000	88	548	3.19	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	94	597	6.13	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	99	300	3.18	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

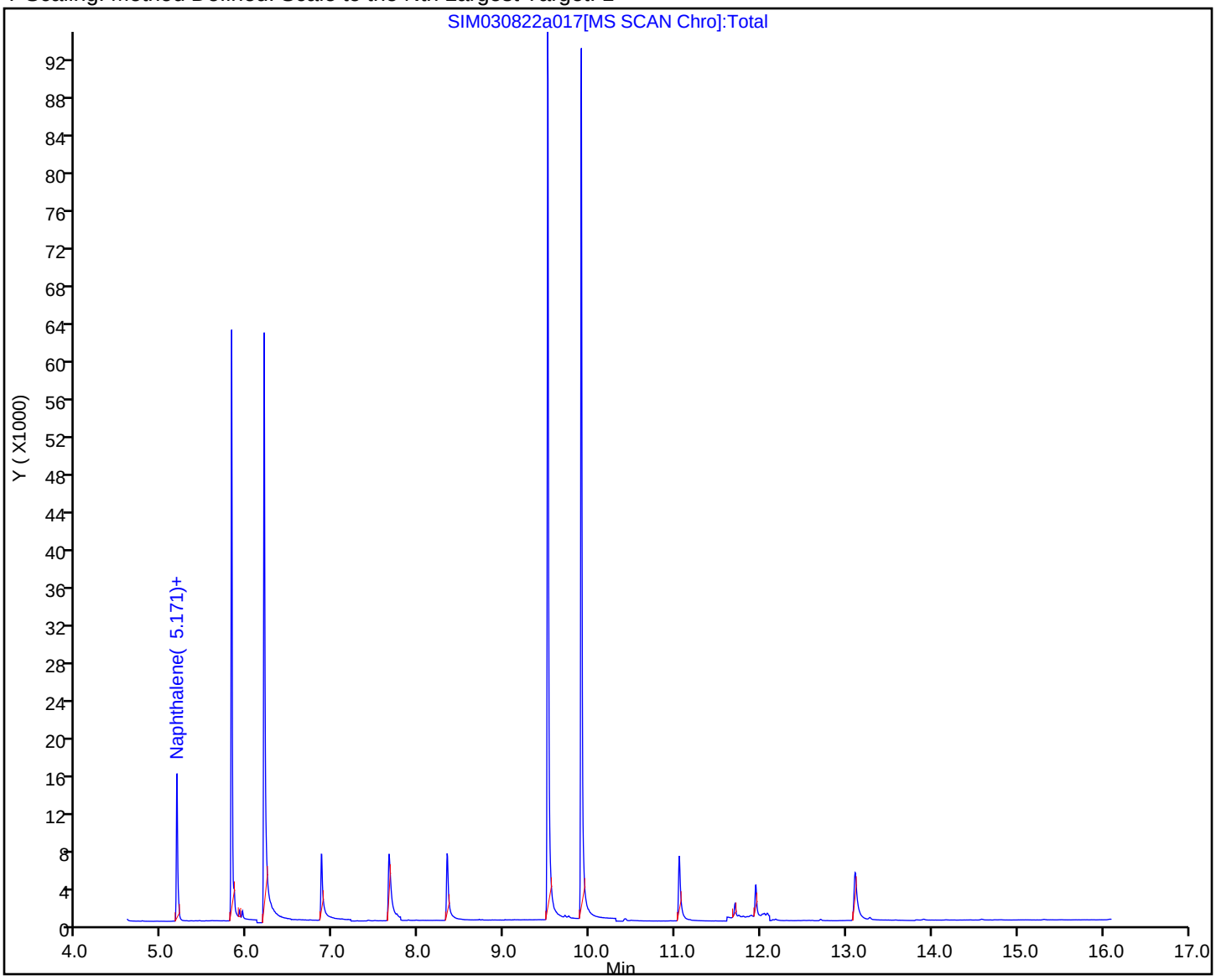
Report Date: 09-Mar-2022 11:57:00 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a017.D

Injection Date:	08-Mar-2022 15:21:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-7-A	Lab Sample ID:	580-110975-7		
Client ID:	ERH2653 (RHMW16)				
Operator ID:	tl	ALS Bottle#:	14	Worklist Smp#:	47
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a017.D
Lims ID: 580-110975-A-7-A
Client ID: ERH2653 (RHMW16)
Sample Type: Client
Inject. Date: 08-Mar-2022 15:21:30 ALS Bottle#: 14 Worklist Smp#: 47
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-A-7-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:56:59 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:56:59

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	491.4	49.14
$ 10 2-Fluorobiphenyl	1000.0	531.1	53.11
$ 7 2,4,6-Tribromophenol	1000.0	787.9	78.79
$ 8 Fluoranthene-d10 (Surr)	1000.0	820.3	82.03
$ 9 Terphenyl-d14	1000.0	926.6	92.66

Manual Integration/User Assign Peak Report

Eurofins Seattle

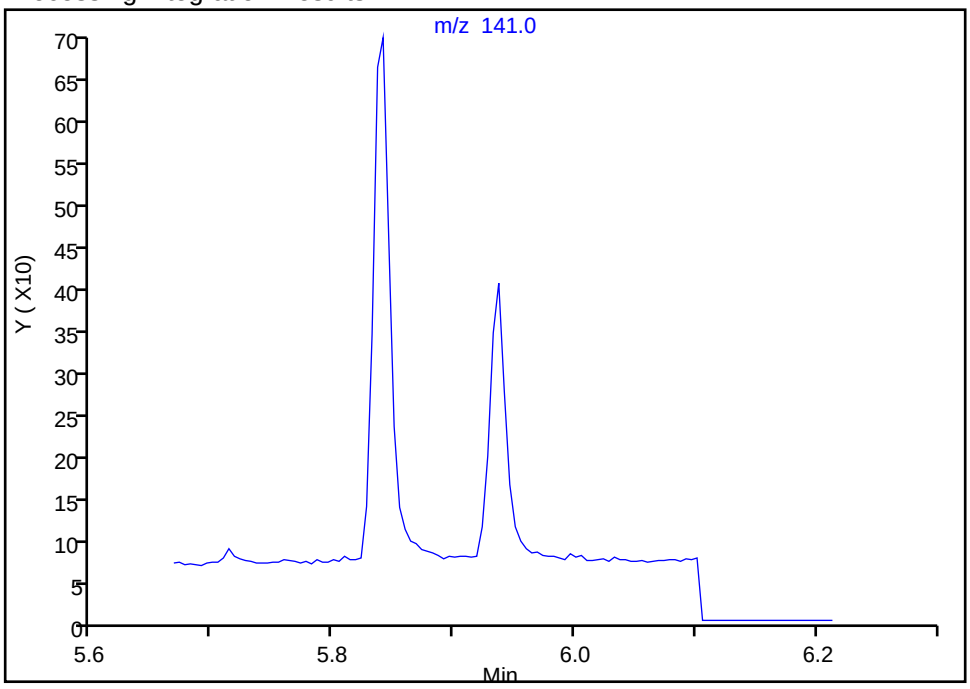
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a017.D				
Injection Date:	08-Mar-2022 15:21:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-7-A	Lab Sample ID:	580-110975-7		
Client ID:	ERH2653 (RHMW16)				
Operator ID:	tl	ALS Bottle#:	14	Worklist Smp#:	47
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

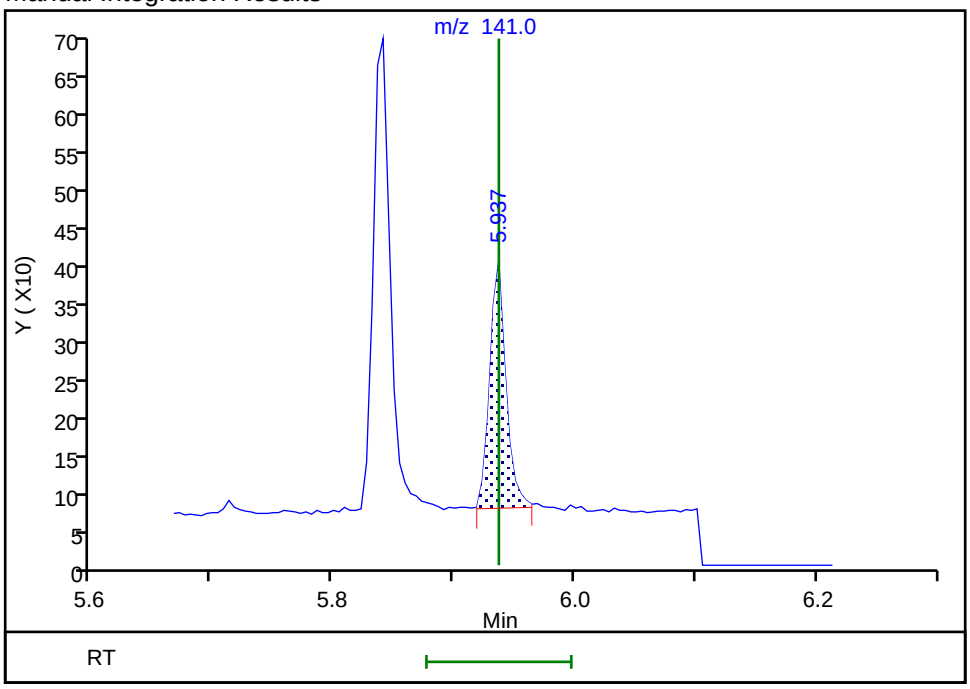
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 300
Amount: 3.182244
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:56:42
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

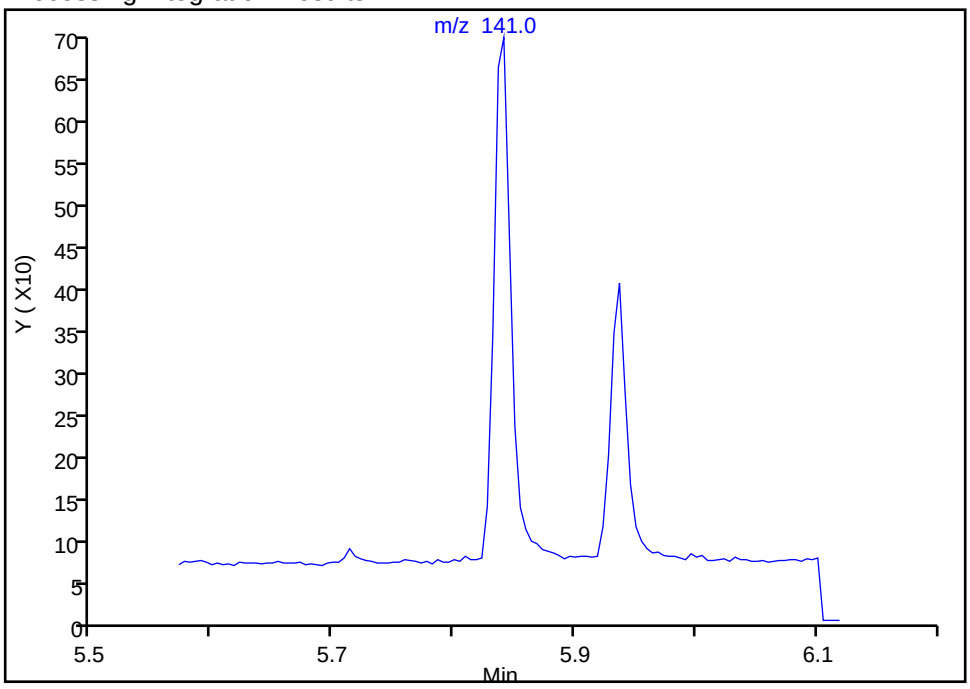
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a017.D				
Injection Date:	08-Mar-2022 15:21:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-7-A	Lab Sample ID:	580-110975-7		
Client ID:	ERH2653 (RHMW16)				
Operator ID:	tl	ALS Bottle#:	14	Worklist Smp#:	47
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

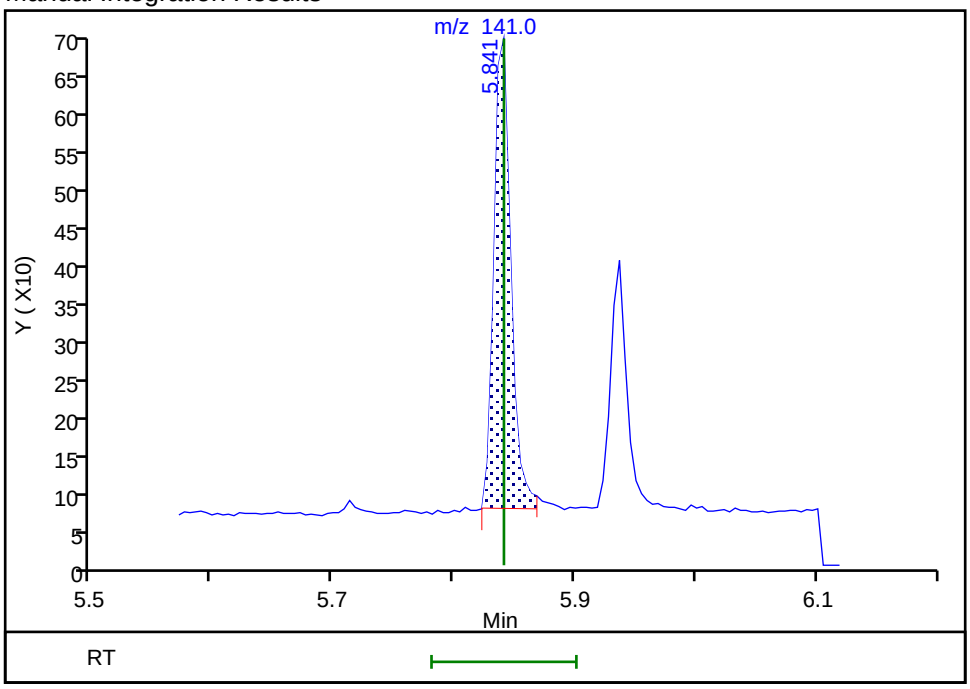
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 597
Amount: 6.133904
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:56:37
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

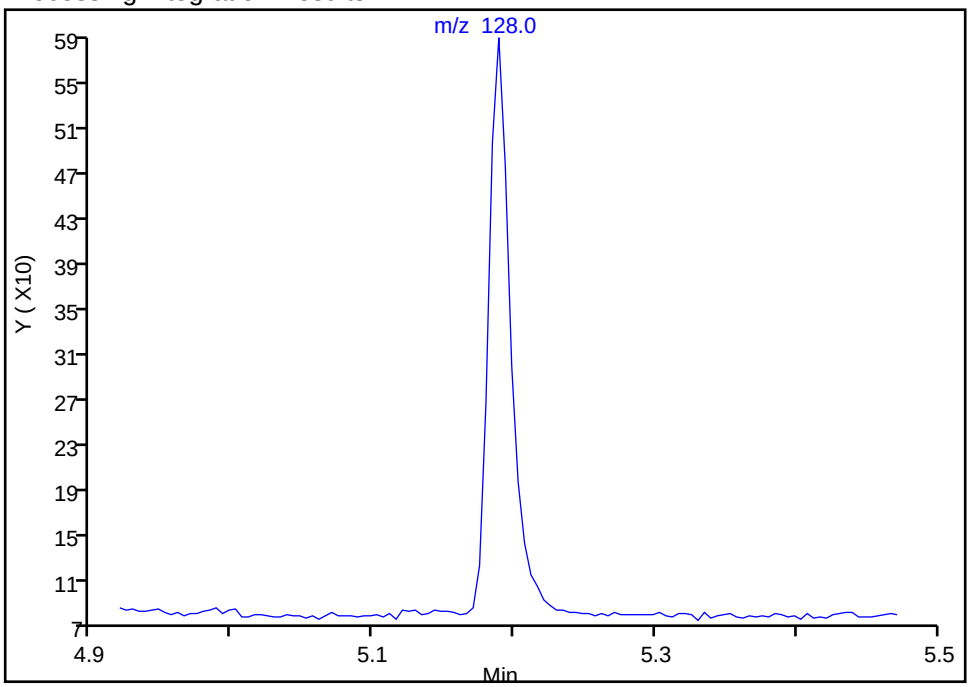
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a017.D				
Injection Date:	08-Mar-2022 15:21:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-7-A	Lab Sample ID:	580-110975-7		
Client ID:	ERH2653 (RHMW16)				
Operator ID:	tl	ALS Bottle#:	14	Worklist Smp#:	47
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

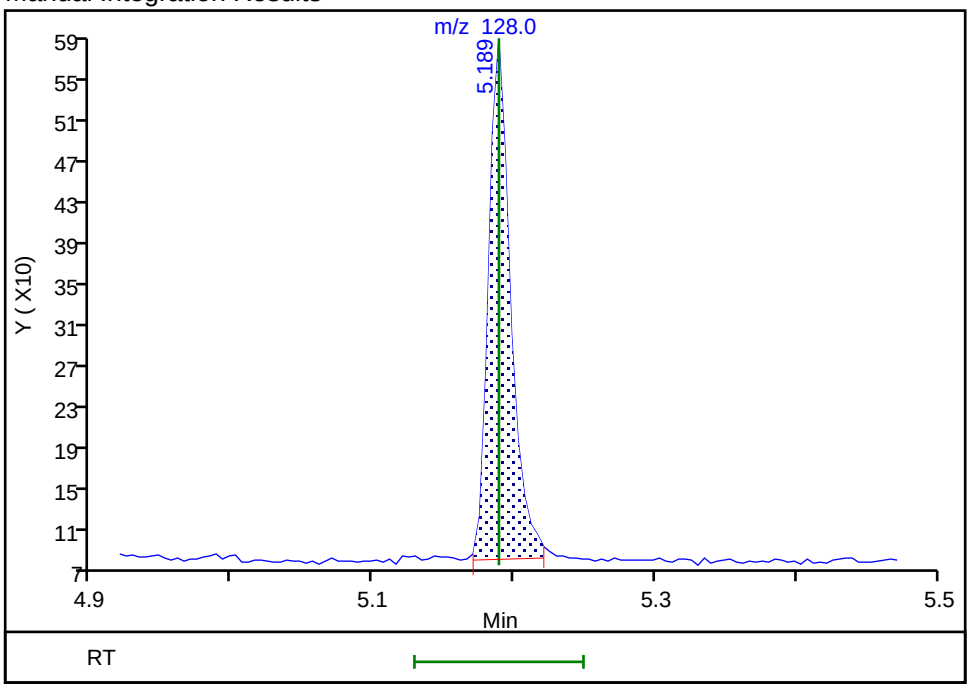
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 548
Amount: 3.193202
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:56:33
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2654 (RHMW12A) | Lab Sample ID: 580-110975-8

Matrix: Water | Lab File ID: SIM030822a018.D

Analysis Method: 8270E SIM | Date Collected: 03/01/2022 14:20

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 994(mL) | Date Analyzed: 03/08/2022 15:40

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383161 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.080	U M Q	0.20	0.080	0.039
83-32-9	Acenaphthene	0.032	U	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U	0.050	0.032	0.0091
120-12-7	Anthracene	0.080	U	0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	0.032	U	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.080	U M	0.10	0.080	0.031
85-01-8	Phenanthrene	0.080	U	0.10	0.080	0.031
129-00-0	Pyrene	0.080	U	0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	53		40-140
93951-69-0	Fluoranthene-d10 (Surr)	83		40-140
1718-51-0	Terphenyl-d14	93		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a018.D
Lims ID: 580-110975-A-8-A
Client ID: ERH2654 (RHMW12A)
Sample Type: Client
Inject. Date: 08-Mar-2022 15:40:30 ALS Bottle#: 15 Worklist Smp#: 48
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-A-8-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:58:26 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:58:26

	Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
*	1 Naphthalene-d8	136	5.171	5.171	0.000	90	16881	100.0	
*	2 Acenaphthene-d10	164	6.862	6.858	0.004	71	6050	100.0	
*	3 Phenanthrene-d10	188	8.330	8.326	0.004	56	12605	100.0	
*	4 Chrysene-d12	240	11.044	11.044	0.000	48	10095	100.0	
*	5 Perylene-d12	264	13.102	13.111	-0.009	69	11268	100.0	
$	6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	53184	532.5	
$	10 2-Fluorobiphenyl	172	6.190	6.193	-0.003	0	58687	606.2	Ma
$	7 2,4,6-Tribromophenol	330	7.646	7.646	0.000	59	13558	819.5	
$	8 Fluoranthene-d10 (Surr)	212	9.506	9.514	-0.008	68	108244	831.1	
$	9 Terphenyl-d14	244	9.900	9.908	-0.008	94	94252	933.0	
	11 Naphthalene	128	5.189	5.189	0.000	88	240	1.34	Ma
	12 2-Methylnaphthalene	141	5.837	5.841	-0.005	87	75	0.7407	M
	13 1-Methylnaphthalene	141	5.937	5.937	0.000	95	34	0.3467	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

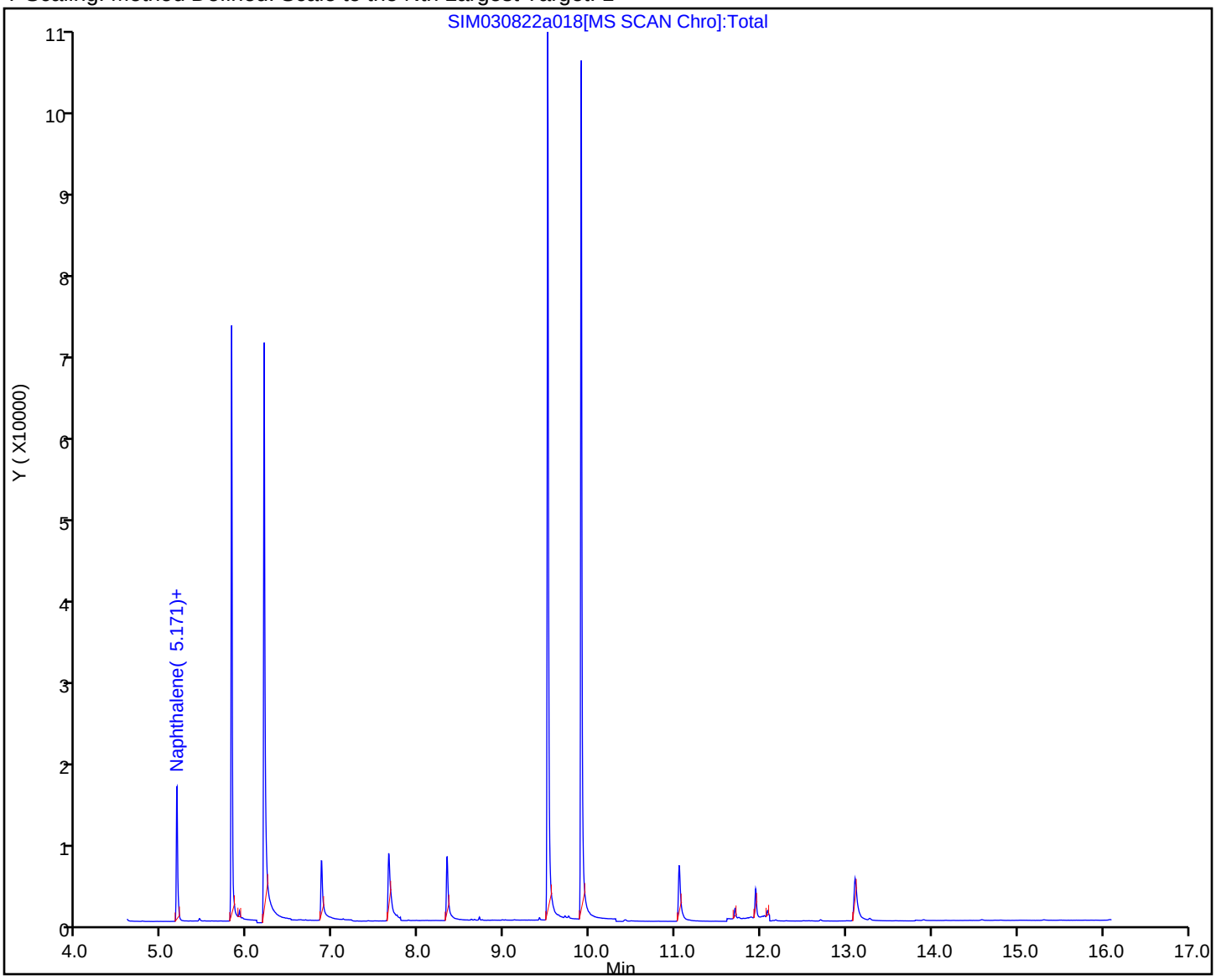
Report Date: 09-Mar-2022 11:58:26 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a018.D

Injection Date:	08-Mar-2022 15:40:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-8-A	Lab Sample ID:	580-110975-8		
Client ID:	ERH2654 (RHMW12A)				
Operator ID:	tl	ALS Bottle#:	15	Worklist Smp#:	48
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a018.D
Lims ID: 580-110975-A-8-A
Client ID: ERH2654 (RHMW12A)
Sample Type: Client
Inject. Date: 08-Mar-2022 15:40:30 ALS Bottle#: 15 Worklist Smp#: 48
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-A-8-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 11:58:26 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 11:58:26

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	532.5	53.25
$ 10 2-Fluorobiphenyl	1000.0	606.2	60.62
$ 7 2,4,6-Tribromophenol	1000.0	819.5	81.95
$ 8 Fluoranthene-d10 (Surr)	1000.0	831.1	83.11
$ 9 Terphenyl-d14	1000.0	933.0	93.30

Manual Integration/User Assign Peak Report

Eurofins Seattle

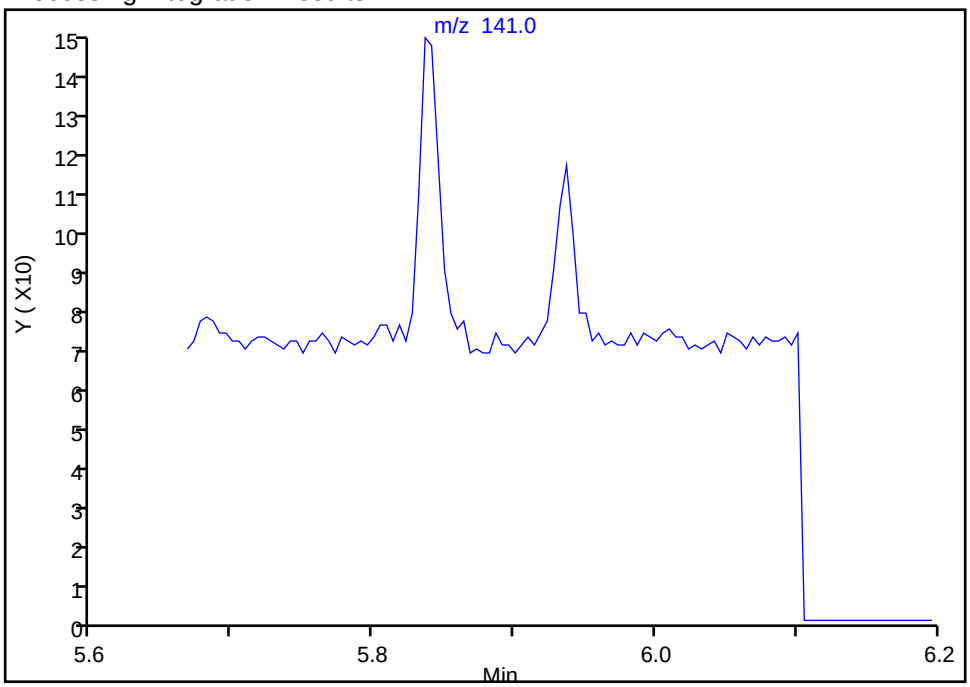
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a018.D				
Injection Date:	08-Mar-2022 15:40:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-8-A	Lab Sample ID:	580-110975-8		
Client ID:	ERH2654 (RHMW12A)				
Operator ID:	tl	ALS Bottle#:	15	Worklist Smp#:	48
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

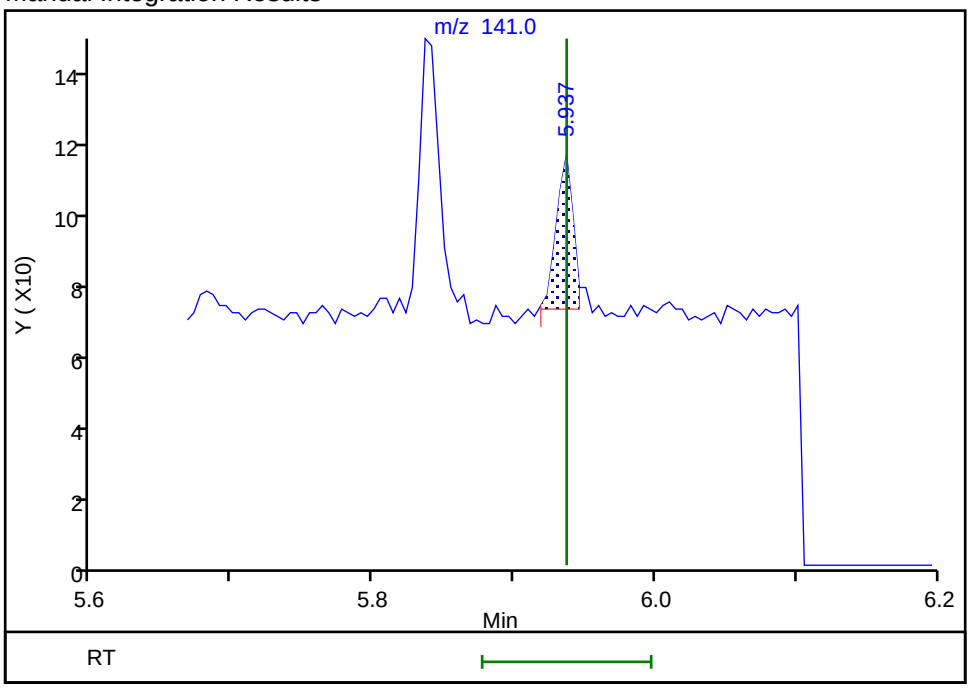
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 34
Amount: 0.346661
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:58:13
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

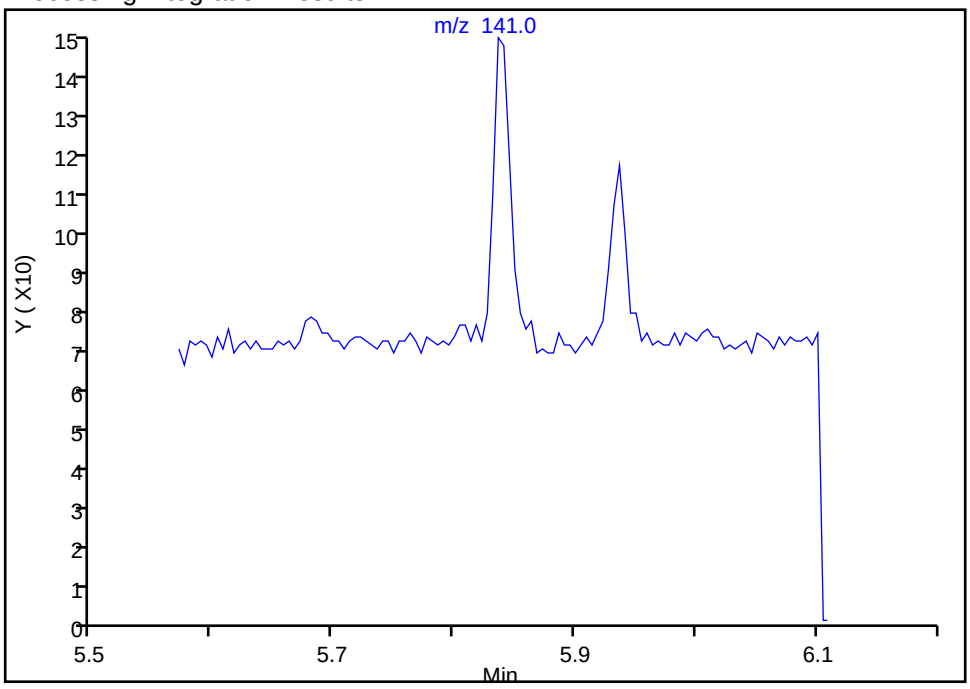
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a018.D				
Injection Date:	08-Mar-2022 15:40:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-8-A	Lab Sample ID:	580-110975-8		
Client ID:	ERH2654 (RHMW12A)				
Operator ID:	tl	ALS Bottle#:	15	Worklist Smp#:	48
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

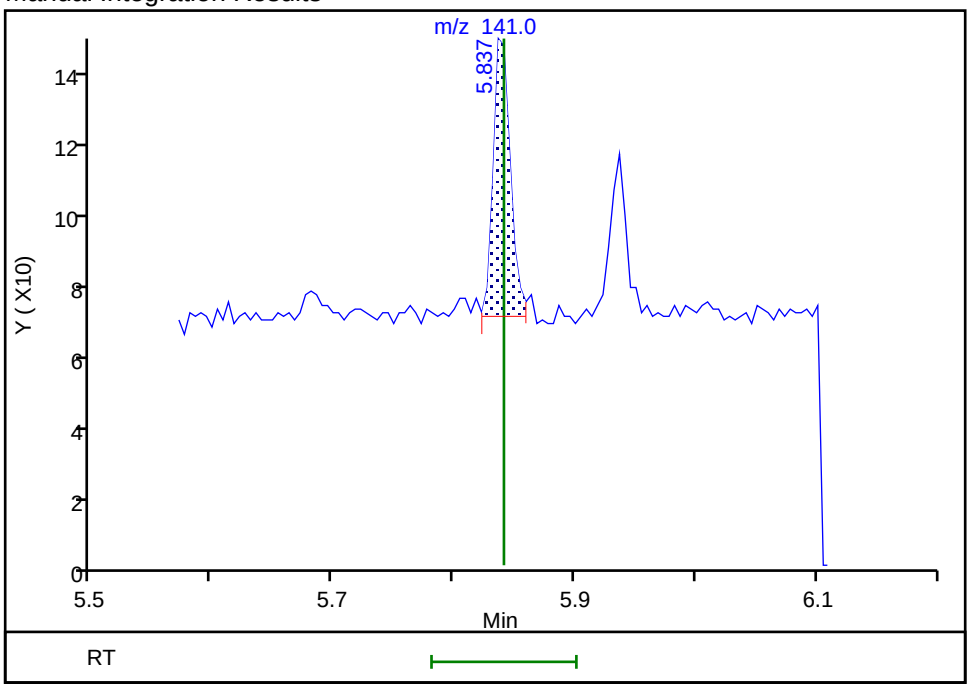
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 75
Amount: 0.740691
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:58:02
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

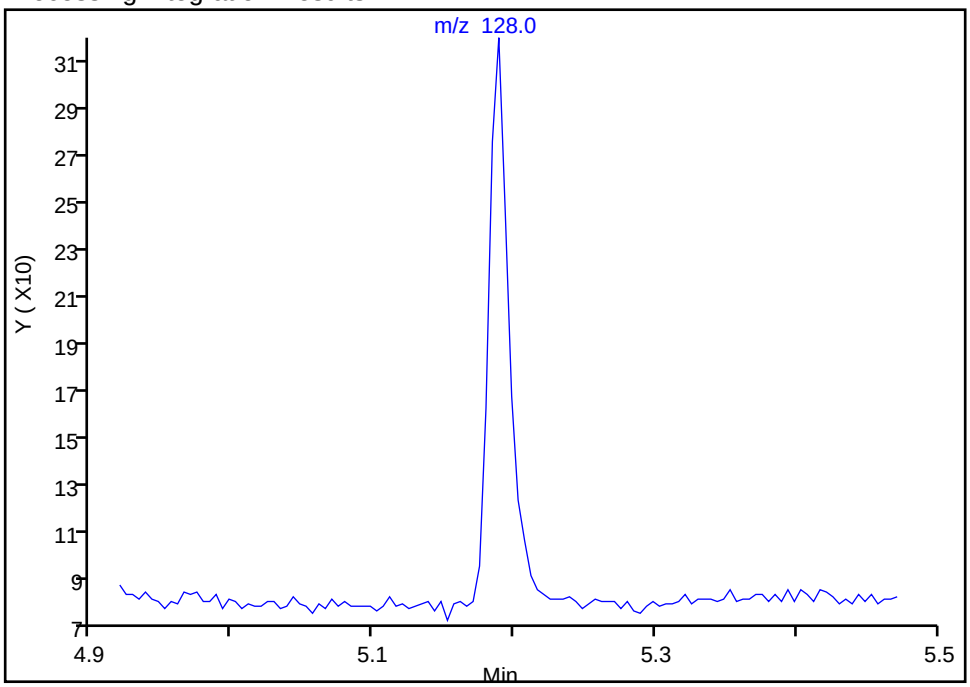
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a018.D				
Injection Date:	08-Mar-2022 15:40:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-8-A	Lab Sample ID:	580-110975-8		
Client ID:	ERH2654 (RHMW12A)				
Operator ID:	tl	ALS Bottle#:	15	Worklist Smp#:	48
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

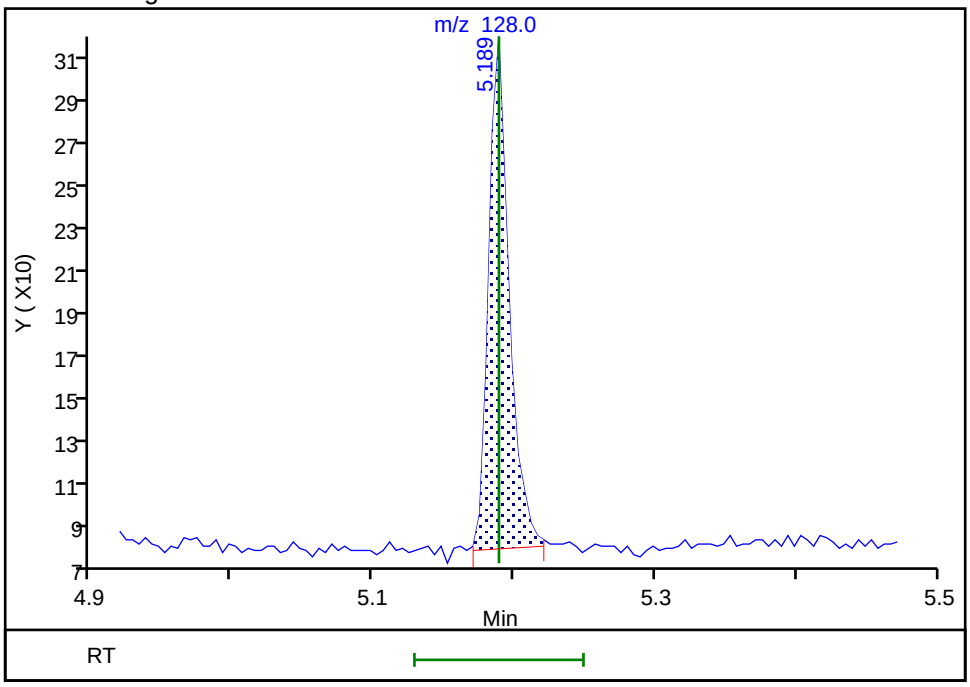
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 240
Amount: 1.344220
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:57:58
Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: ERH2655 (RHMW04) | Lab Sample ID: 580-110975-9

Matrix: Water | Lab File ID: SIM030822a019.D

Analysis Method: 8270E SIM | Date Collected: 03/01/2022 11:30

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 997.7(mL) | Date Analyzed: 03/08/2022 15:59

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383161 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U M	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.080	U M Q	0.20	0.080	0.039
83-32-9	Acenaphthene	0.032	U	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U	0.050	0.032	0.0090
120-12-7	Anthracene	0.080	U	0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	0.032	U	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.080	U M	0.10	0.080	0.031
85-01-8	Phenanthrene	0.080	U	0.10	0.080	0.031
129-00-0	Pyrene	0.080	U	0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	61		40-140
93951-69-0	Fluoranthene-d10 (Surr)	93		40-140
1718-51-0	Terphenyl-d14	103		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a019.D
Lims ID: 580-110975-A-9-A
Client ID: ERH2655 (RHMW04)
Sample Type: Client
Inject. Date: 08-Mar-2022 15:59:30 ALS Bottle#: 16 Worklist Smp#: 49
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-A-9-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 12:00:02 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 12:00:02

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	15665	100.0	
* 2 Acenaphthene-d10	164	6.863	6.858	0.005	71	5653	100.0	
* 3 Phenanthrene-d10	188	8.334	8.326	0.008	56	11422	100.0	M
* 4 Chrysene-d12	240	11.049	11.044	0.005	48	9257	100.0	
* 5 Perylene-d12	264	13.107	13.111	-0.004	69	10231	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	56733	612.2	
$ 10 2-Fluorobiphenyl	172	6.190	6.193	-0.003	0	59338	656.0	M
$ 7 2,4,6-Tribromophenol	330	7.655	7.646	0.009	58	11908	772.0	
$ 8 Fluoranthene-d10 (Surr)	212	9.510	9.514	-0.004	68	110048	932.6	
$ 9 Terphenyl-d14	244	9.900	9.908	-0.008	94	94361	1030.8	
11 Naphthalene	128	5.189	5.189	0.000	87	208	1.26	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	70	74	0.7875	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	89	38	0.4175	M

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated

Reagents:

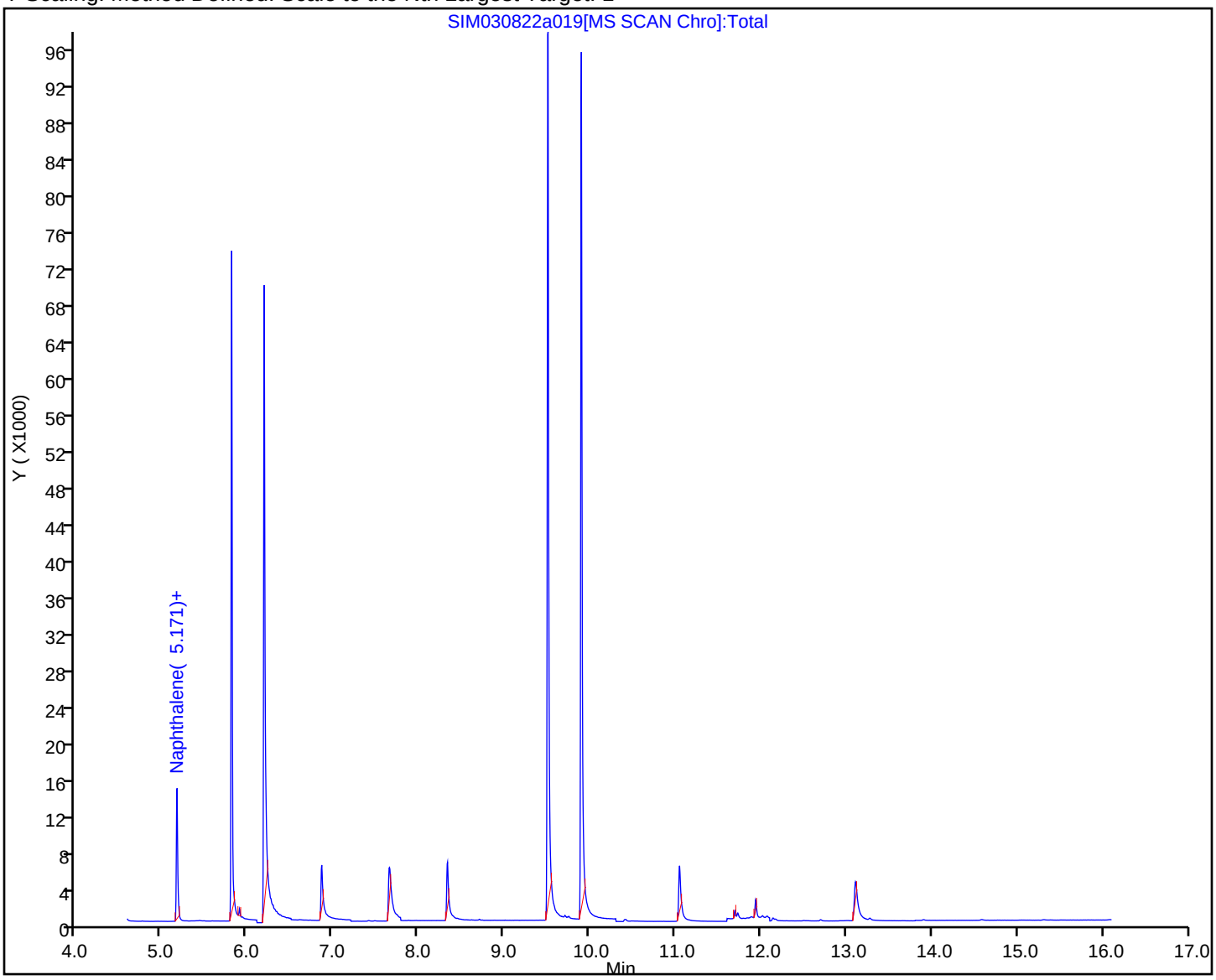
8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 09-Mar-2022 12:00:02 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a019.D				
Injection Date:	08-Mar-2022 15:59:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-9-A	Lab Sample ID:	580-110975-9		
Client ID:	ERH2655 (RHMW04)				
Operator ID:	tl	ALS Bottle#:	16	Worklist Smp#:	49
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a019.D
Lims ID: 580-110975-A-9-A
Client ID: ERH2655 (RHMW04)
Sample Type: Client
Inject. Date: 08-Mar-2022 15:59:30 ALS Bottle#: 16 Worklist Smp#: 49
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 580-110975-A-9-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 09-Mar-2022 12:00:02 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1631

First Level Reviewer: jantanuc Date: 09-Mar-2022 12:00:02

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	612.2	61.22
$ 10 2-Fluorobiphenyl	1000.0	656.0	65.60
$ 7 2,4,6-Tribromophenol	1000.0	772.0	77.20
$ 8 Fluoranthene-d10 (Surr)	1000.0	932.6	93.26
$ 9 Terphenyl-d14	1000.0	1030.8	103.08

Manual Integration/User Assign Peak Report

Eurofins Seattle

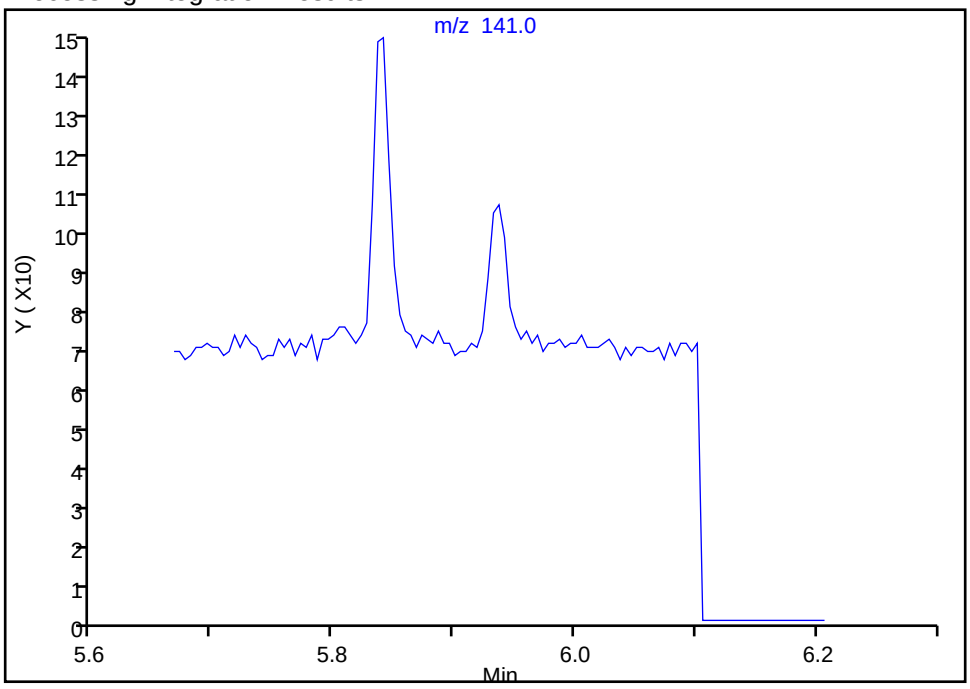
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a019.D				
Injection Date:	08-Mar-2022 15:59:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-9-A	Lab Sample ID:	580-110975-9		
Client ID:	ERH2655 (RHMW04)				
Operator ID:	tl	ALS Bottle#:	16	Worklist Smp#:	49
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

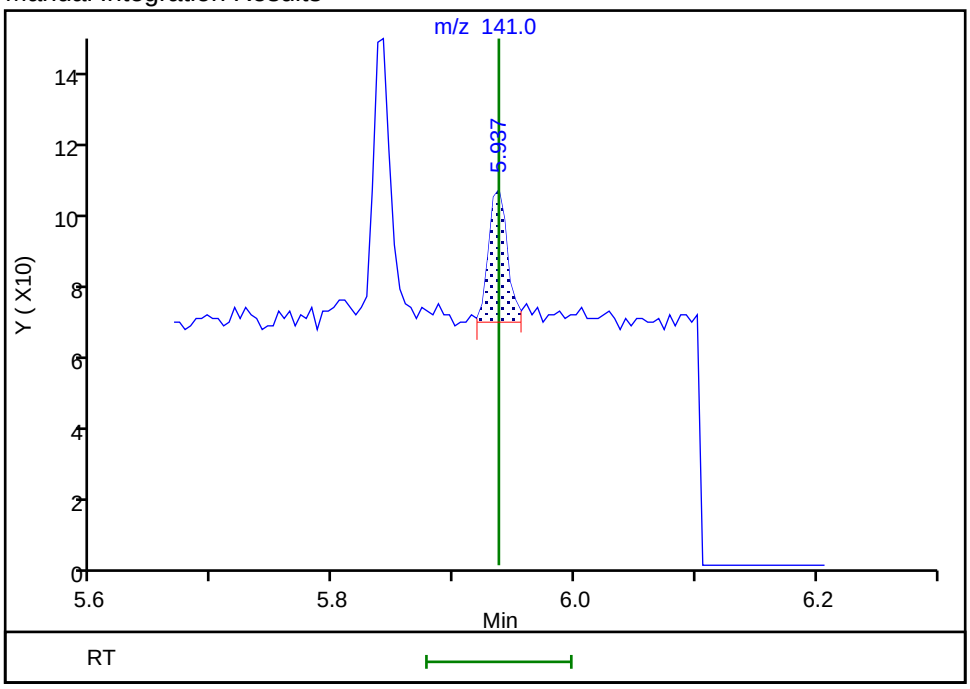
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 38
Amount: 0.417520
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:59:09
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

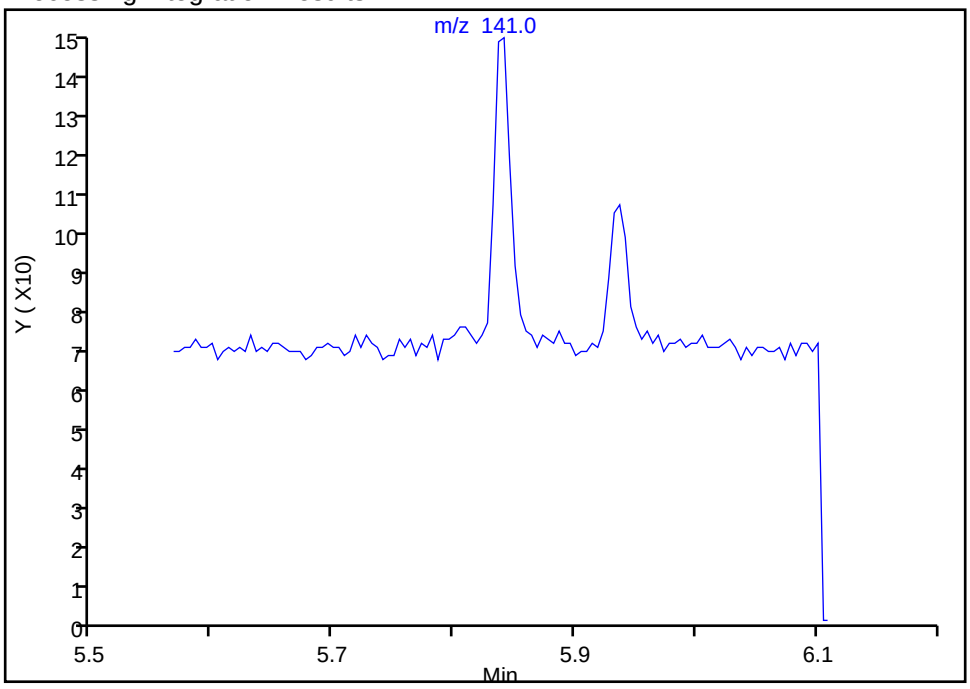
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a019.D				
Injection Date:	08-Mar-2022 15:59:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-9-A	Lab Sample ID:	580-110975-9		
Client ID:	ERH2655 (RHMW04)				
Operator ID:	tl	ALS Bottle#:	16	Worklist Smp#:	49
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

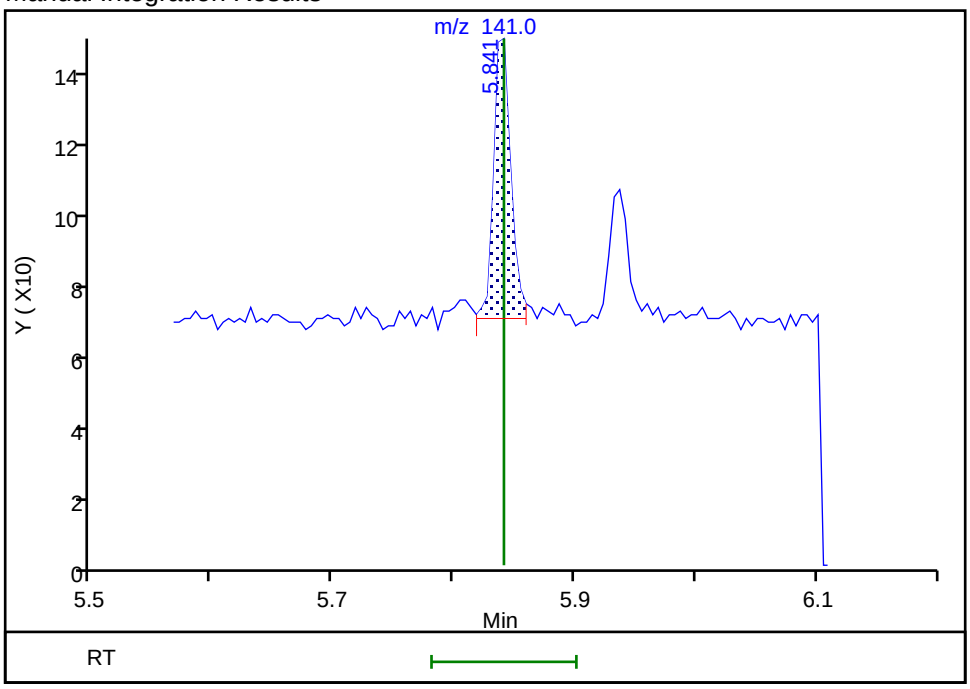
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 74
Amount: 0.787545
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:59:05
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

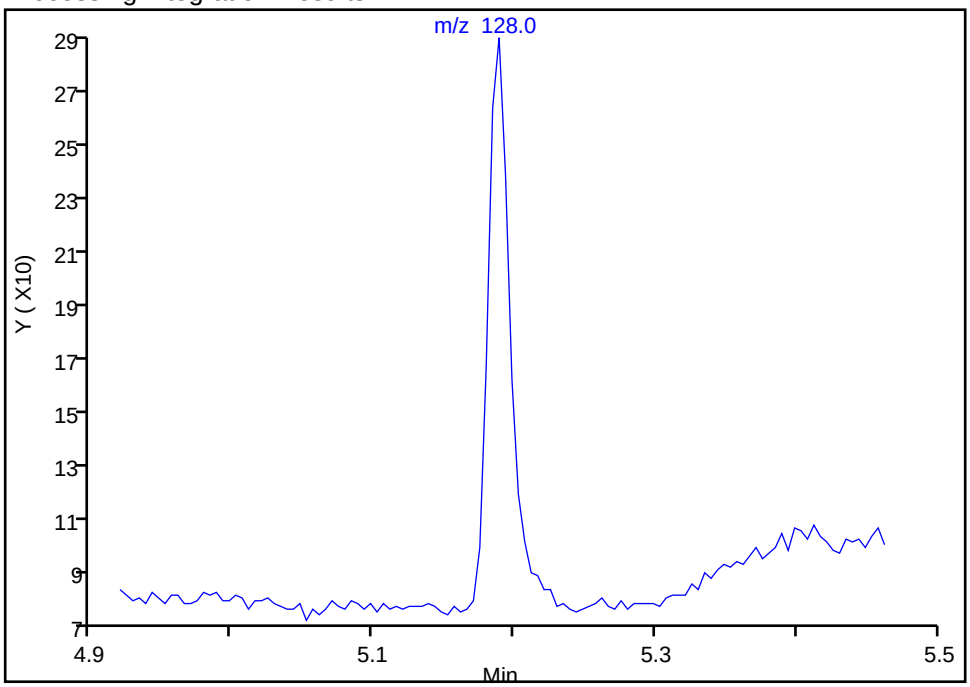
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a019.D				
Injection Date:	08-Mar-2022 15:59:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-9-A	Lab Sample ID:	580-110975-9		
Client ID:	ERH2655 (RHMW04)				
Operator ID:	tl	ALS Bottle#:	16	Worklist Smp#:	49
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

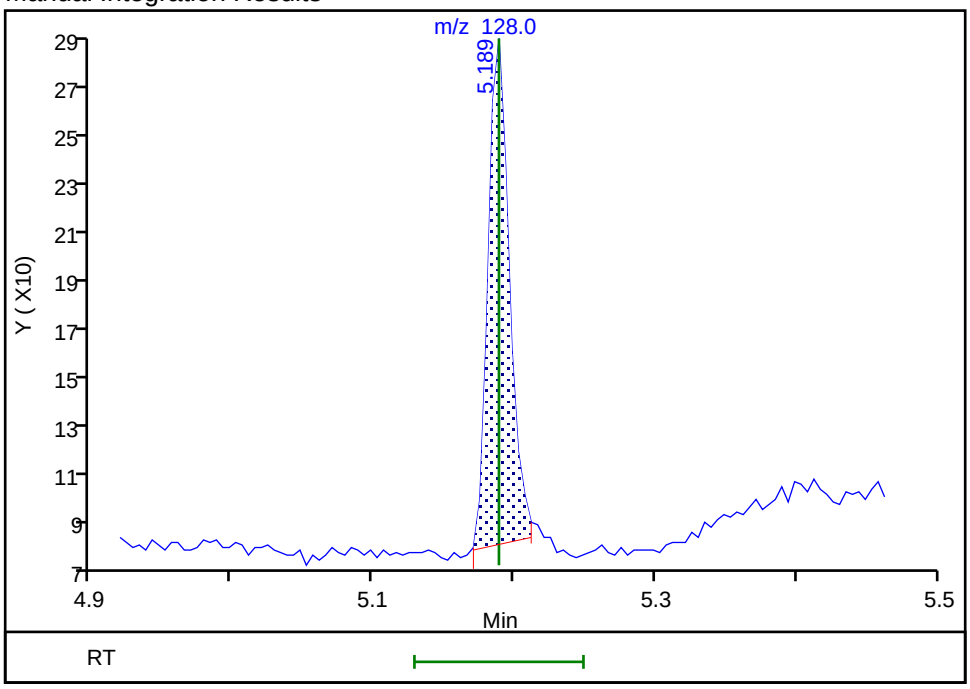
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 208
Amount: 1.255423
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:59:01
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

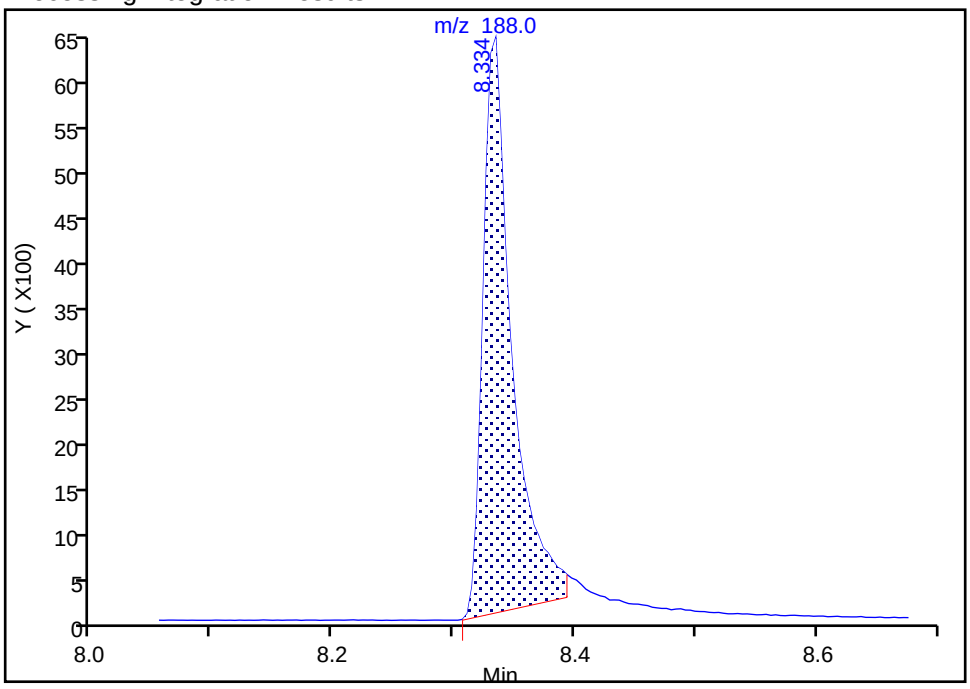
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a019.D				
Injection Date:	08-Mar-2022 15:59:30	Instrument ID:	TAC050		
Lims ID:	580-110975-A-9-A	Lab Sample ID:	580-110975-9		
Client ID:	ERH2655 (RHMW04)				
Operator ID:	tl	ALS Bottle#:	16	Worklist Smp#:	49
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

* 3 Phenanthrene-d10, CAS: 1517-22-2

Signal: 1

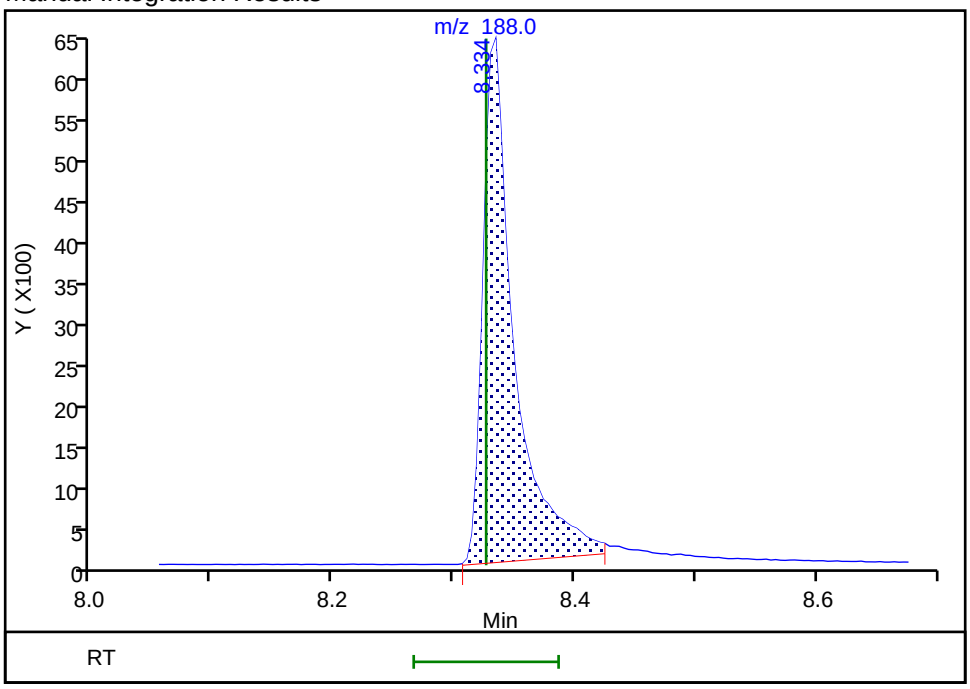
Processing Integration Results

RT: 8.33
Area: 10520
Amount: 100.0000
Amount Units: ug/L



Manual Integration Results

RT: 8.33
Area: 11422
Amount: 100.0000
Amount Units: ug/L



Reviewer: jantanuc, 09-Mar-2022 11:58:43

Audit Action: Manually Integrated Audit Reason: Assign Peak

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-378263/16	SIM011322b026.D
Level 2	STD2 580-378263/15	SIM011322b025.D
Level 3	STD3 580-378263/14	SIM011322b024.D
Level 4	STD4 580-378263/13	SIM011322b023.D
Level 5	STD5 580-378263/12	SIM011322b022.D
Level 6	STD6 580-378263/11	SIM011322b021.D
Level 7	STD7 580-378263/10	SIM011322b020.D
Level 8	STD8 580-378263/9	SIM011322b019.D
Level 9	STD9IS 580-378263/8	SIM011322b018.D
Level 10	STD10 580-378263/7	SIM011322b017.D
Level 11	STD11 580-378263/6	SIM011322b016.D
Level 12	STD12 580-378263/5	SIM011322b015.D
Level 13	STD13 580-378263/4	SIM011322b014.D

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Naphthalene	+++++ 1.0572 0.9985	1.1832 1.0588 1.0347	1.1041 1.0251 0.9521	1.0790 1.0709	1.0850 1.0433	Ave		1.0577			0.7000	5.4		15.0			
2-Methylnaphthalene	0.5884 0.5983 0.5702	0.6568 0.5949 0.6172	0.6161 0.5747 0.5877	0.6029 0.6011	0.6054 0.5839	Ave		0.5998			0.4000	3.7		15.0			
1-Methylnaphthalene	0.6414 0.5715 0.5489	0.6382 0.5660 0.5912	0.5889 0.5479 0.5584	0.5793 0.5724	0.5850 0.5639	Ave		0.5810			0.4000	5.1		15.0			
Acenaphthylene	2.1933 2.0847 2.0927	2.2176 2.0859 2.2109	2.0998 2.0647 1.9604	2.0636 2.1743	2.0810 2.1550	Ave		2.1141			0.9000	3.4		15.0			
Acenaphthene	1.3777 1.3094 1.2729	1.4871 1.2994 1.3461	1.3472 1.2867 1.2012	1.3227 1.3492	1.3258 1.3221	Ave		1.3267			0.9000	4.9		15.0			
Fluorene	1.6312 1.4001 1.4385	1.6605 1.4402 1.5298	1.5052 1.4316 1.3835	1.4255 1.5164	1.3820 1.4840	Ave		1.4791			0.9000	6.0		15.0			
Pentachlorophenol	+++++ 0.0267 0.1875	+++++ 0.0513 +++++	+++++ 0.0753 +++++	+++++ 0.1234	+++++ 0.1625	Qua2	-8.157	0.0984	0.0000251		0.0500	11.5			0.9900		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Phenanthrene	+++++ 1.2641 1.2329	1.9506 1.2773 1.3063	1.6138 1.2434 1.1734	1.3764 1.3095	1.2980 1.2965	Lin2	1.4308	1.2559			0.7000	3.7			0.9990		0.9900
Anthracene	2.3820 1.2487 1.2527	1.9058 1.2352 1.3644	1.5794 1.2133 1.2394	1.3535 1.2985	1.3007 1.3025	Lin2	1.1530	1.2691			0.7000	4.3			0.9980		0.9900
Fluoranthene	+++++ 1.2430 1.2352	1.9679 1.2716 1.3153	1.6023 1.2115 1.2282	1.3090 1.2759	1.2387 1.2900	Lin2	1.4616	1.2408			0.6000	4.3			0.9980		0.9900
Pyrene	+++++ 1.2713 1.3202	2.1057 1.4006 1.3881	1.7542 1.2627 1.2825	1.3340 1.3339	1.2928 1.3786	Lin2	1.6199	1.3071			0.6000	6.3			0.9960		0.9900
Benzo[a]anthracene	+++++ 1.3906 1.4783	2.4076 1.4431 1.5802	1.8197 1.4102 1.4117	1.5003 1.4876	1.4786 1.4927	Lin2	1.8835	1.4355			0.8000	5.2			0.9970		0.9900
Chrysene	+++++ 1.5543 1.4499	2.5777 1.5055 1.5809	1.9873 1.4653 1.4003	1.7937 1.5367	1.6080 1.4918	Lin2	2.2240	1.4979			0.7000	3.7			0.9990		0.9900
Bis(2-ethylhexyl) phthalate	2.9082 1.7581 2.0475	2.3387 1.7970 2.2784	1.7627 1.7485 +++++	1.5692 1.8919	1.5986 1.9798	Qua2	1.1899	1.6858	0.0001352		0.0100	7.9			0.9940		0.9900
Benzo[b]fluoranthene	2.3584 1.2545 1.3072	1.8766 1.2933 1.4464	1.5292 1.2494 1.3422	1.3045 1.3744	1.2677 1.3491	Lin2	1.0617	1.3037			0.7000	5.6			0.9970		0.9900
Benzo[k]fluoranthene	2.5810 1.4037 1.4699	2.0639 1.4003 1.5369	1.7594 1.4405 1.4168	1.6926 1.4756	1.4542 1.4746	Lin2	1.1530	1.4609			0.7000	4.4			0.9980		0.9900
Benzo[a]pyrene	2.3501 1.2237 1.3406	1.8881 1.2679 1.4407	1.5462 1.2822 1.3359	1.2619 1.3732	1.2323 1.3724	Lin2	1.0614	1.3008			0.7000	6.7			0.9950		0.9900
Indeno[1,2,3-cd]pyrene	+++++ 0.9867 1.1845	+++++ 1.0590 1.2612	1.1426 1.0976 1.1694	0.9654 1.1885	0.9180 1.2046	Qua2	-0.227	1.0884	0.0000155		0.5000	9.6			0.9910		0.9900
Dibenz(a,h)anthracene	2.0285 1.2194 1.3192	1.6397 1.1007 1.4407	1.4496 1.2326 1.3355	1.2020 1.3262	1.1262 1.3471	Lin2	0.7583	1.2566			0.4000	8.8			0.9920		0.9900

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
CURVE EVALUATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	RRF					CURVE TYPE	COEFFICIENT			#	MIN RRF	%RSD	#	MAX %RSD	R^2 OR COD	#	MIN R^2 OR COD
	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10		B	M1	M2								
Benzo[g,h,i]perylene	2.3171 1.3097 1.3894	1.8996 1.3225 1.4769	1.6173 1.3625 1.3291	1.3605 1.4075	1.3326 1.4232	Lin2	0.9766	1.3618			0.5000	5.0			0.9970		0.9900
2-methylnaphthalene-d10	0.5884 0.5882 0.5680	0.6591 0.5862 0.6035	0.5915 0.5683 0.5648	0.5911 0.5988	0.5949 0.5880	Ave		0.5916				4.0		15.0			
2-Fluorobiphenyl	1.7194 1.6205 1.4710	1.7656 1.5973 1.5637	1.6869 1.5685 1.3939	1.6449 1.5881	1.6462 1.5362	Ave		1.6002				6.2		15.0			
2,4,6-Tribromophenol	+++++ 0.1939 0.2875	+++++ 0.2361 0.3170	+++++ 0.2392 +++++	0.1887 0.2681	0.2060 0.2839	Qua1	-1.441	0.2669	0.0000102			13.0			1.0000		0.9900
Fluoranthene-d10 (Surr)	+++++ 1.0213 1.0469	1.6405 1.0561 1.1089	1.3242 0.9976 1.0122	1.0806 1.0563	1.0359 1.0803	Lin2	1.2140	1.0318				4.7			0.9980		0.9900
Terphenyl-d14	+++++ 0.7322 0.7756	+++++ 0.7825 0.8242	0.9976 0.7405 0.7508	0.8333 0.8193	0.7379 0.8219	Ave		0.8014				9.4		15.0			

Note: The M1 coefficient is the same as Ave RRF for an Ave curve type.

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-378263/16	SIM011322b026.D
Level 2	STD2 580-378263/15	SIM011322b025.D
Level 3	STD3 580-378263/14	SIM011322b024.D
Level 4	STD4 580-378263/13	SIM011322b023.D
Level 5	STD5 580-378263/12	SIM011322b022.D
Level 6	STD6 580-378263/11	SIM011322b021.D
Level 7	STD7 580-378263/10	SIM011322b020.D
Level 8	STD8 580-378263/9	SIM011322b019.D
Level 9	STD9IS 580-378263/8	SIM011322b018.D
Level 10	STD10 580-378263/7	SIM011322b017.D
Level 11	STD11 580-378263/6	SIM011322b016.D
Level 12	STD12 580-378263/5	SIM011322b015.D
Level 13	STD13 580-378263/4	SIM011322b014.D

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10
Naphthalene	NPT	Ave	+++++	508	1258	2280	4620	+++++	2.00	5.00	10.0	20.0
			11320	24209	52945	118848	242151	50.0	100	200	500	1000
			455448	1129737	2265154			2000	5000	10000		
2-Methylnaphthalene	NPT	Ave	122	282	702	1274	2578	1.00	2.00	5.00	10.0	20.0
			6407	13602	29681	66711	135530	50.0	100	200	500	1000
			260099	673905	1398242			2000	5000	10000		
1-Methylnaphthalene	NPT	Ave	133	274	671	1224	2491	1.00	2.00	5.00	10.0	20.0
			6120	12942	28297	63527	130882	50.0	100	200	500	1000
			250376	645502	1328414			2000	5000	10000		
Acenaphthylene	ANT	Ave	199	422	1063	1947	4001	1.00	2.00	5.00	10.0	20.0
			10119	21750	48540	112225	237007	50.0	100	200	500	1000
			459226	1173013	2434168			2000	5000	10000		
Acenaphthene	ANT	Ave	125	283	682	1248	2549	1.00	2.00	5.00	10.0	20.0
			6356	13549	30250	69640	145402	50.0	100	200	500	1000
			279319	714176	1491471			2000	5000	10000		
Fluorene	ANT	Ave	148	316	762	1345	2657	1.00	2.00	5.00	10.0	20.0
			6796	15017	33656	78269	163209	50.0	100	200	500	1000
			315659	811630	1717929			2000	5000	10000		
Pentachlorophenol	CRY	Qua2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
			304	1359	4235	15457	44279	100	200	400	1000	2000
			100947	+++++	+++++			4000	+++++	+++++		

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10
Phenanthrene	PHN	Lin2	+++++	566	1265	1982	3789	+++++	2.00	5.00	10.0	20.0
			9336	21252	45268	102631	217890	50.0	100	200	500	1000
			422623	1092665	2257550			2000	5000	10000		
Anthracene	PHN	Lin2	339	553	1238	1949	3797	1.00	2.00	5.00	10.0	20.0
			9222	20551	44171	101772	218902	50.0	100	200	500	1000
			429392	1141218	2384546			2000	5000	10000		
Fluoranthene	PHN	Lin2	+++++	571	1256	1885	3616	+++++	2.00	5.00	10.0	20.0
			9180	21157	44105	99999	216797	50.0	100	200	500	1000
			423401	1100144	2362929			2000	5000	10000		
Pyrene	PHN	Lin2	+++++	611	1375	1921	3774	+++++	2.00	5.00	10.0	20.0
			9389	23304	45971	104547	231682	50.0	100	200	500	1000
			452528	1161089	2467420			2000	5000	10000		
Benzo[a]anthracene	CRY	Lin2	+++++	524	1118	1677	3279	+++++	2.00	5.00	10.0	20.0
			7909	19122	39640	93139	203397	50.0	100	200	500	1000
			398056	1050296	2263685			2000	5000	10000		
Chrysene	CRY	Lin2	+++++	561	1221	2005	3566	+++++	2.00	5.00	10.0	20.0
			8840	19950	41189	96213	203276	50.0	100	200	500	1000
			390408	1050734	2245321			2000	5000	10000		
Bis(2-ethylhexyl) phthalate	CRY	Qua2	301	509	1083	1754	3545	1.00	2.00	5.00	10.0	20.0
			9999	23812	49150	118452	269774	50.0	100	200	500	1000
			551318	1514360	+++++			2000	5000	+++++		
Benzo[b]fluoranthene	PRY	Lin2	286	491	1076	1654	3324	1.00	2.00	5.00	10.0	20.0
			8556	20162	40711	97903	209981	50.0	100	200	500	1000
			408952	1135616	2440243			2000	5000	10000		
Benzo[k]fluoranthene	PRY	Lin2	313	540	1238	2146	3813	1.00	2.00	5.00	10.0	20.0
			9574	21829	46936	105112	229502	50.0	100	200	500	1000
			459854	1206698	2575872			2000	5000	10000		
Benzo[a]pyrene	PRY	Lin2	285	494	1088	1600	3231	1.00	2.00	5.00	10.0	20.0
			8346	19766	41778	97822	213598	50.0	100	200	500	1000
			419408	1131186	2428829			2000	5000	10000		
Indeno[1,2,3-cd]pyrene	PRY	Qua2	+++++	+++++	804	1224	2407	+++++	+++++	5.00	10.0	20.0
			6730	16508	35765	84665	187487	50.0	100	200	500	1000
			370557	990249	2126159			2000	5000	10000		
Dibenz(a,h)anthracene	PRY	Lin2	246	429	1020	1524	2953	1.00	2.00	5.00	10.0	20.0
			8317	17159	40164	94470	209663	50.0	100	200	500	1000

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
RESPONSE AND CONCENTRATION

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	IS REF	CURVE TYPE	RESPONSE					CONCENTRATION (UG/L)				
			LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10	LVL 1 LVL 6 LVL 11	LVL 2 LVL 7 LVL 12	LVL 3 LVL 8 LVL 13	LVL 4 LVL 9	LVL 5 LVL 10
			412698	1131196	2428114			2000	5000	10000		
Benzo[g,h,i]perylene	PRY	Lin2	281	497	1138	1725	3494	1.00	2.00	5.00	10.0	20.0
			8933	20616	44397	100263	221508	50.0	100	200	500	1000
			434660	1159620	2416384			2000	5000	10000		
2-methylnaphthalene-d10	NPT	Ave	122	283	674	1249	2533	1.00	2.00	5.00	10.0	20.0
			6298	13403	29353	66447	136490	50.0	100	200	500	1000
			259103	658935	1343563			2000	5000	10000		
2-Fluorobiphenyl	ANT	Ave	156	336	854	1552	3165	1.00	2.00	5.00	10.0	20.0
			7866	16655	36875	81972	168952	50.0	100	200	500	1000
			322797	829635	1730752			2000	5000	10000		
2,4,6-Tribromophenol	ANT	Qua1	+++++	+++++	+++++	178	396	+++++	+++++	+++++	10.0	20.0
			941	2462	5623	13836	31220	50.0	100	200	500	1000
			63090	168193	+++++			2000	5000	+++++		
Fluoranthene-d10 (Surr)	PHN	Lin2	+++++	476	1038	1556	3024	+++++	2.00	5.00	10.0	20.0
			7543	17571	36319	82791	181549	50.0	100	200	500	1000
			358856	927539	1947324			2000	5000	10000		
Terphenyl-d14	PHN	Ave	+++++	+++++	782	1200	2154	+++++	+++++	5.00	10.0	20.0
			5408	13020	26958	64209	138125	50.0	100	200	500	1000
			265872	689419	1444527			2000	5000	10000		

Curve Type Legend

Ave = Average ISTD
Lin2 = Linear 1/conc^2 ISTD
Qua1 = Quadratic 1/conc ISTD
Qua2 = Quadratic 1/conc^2 ISTD

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

Calibration Files

LEVEL:	LAB SAMPLE ID:	LAB FILE ID:
Level 1	STD1 580-378263/16	SIM011322b026.D
Level 2	STD2 580-378263/15	SIM011322b025.D
Level 3	STD3 580-378263/14	SIM011322b024.D
Level 4	STD4 580-378263/13	SIM011322b023.D
Level 5	STD5 580-378263/12	SIM011322b022.D
Level 6	STD6 580-378263/11	SIM011322b021.D
Level 7	STD7 580-378263/10	SIM011322b020.D
Level 8	STD8 580-378263/9	SIM011322b019.D
Level 9	STD9IS 580-378263/8	SIM011322b018.D
Level 10	STD10 580-378263/7	SIM011322b017.D
Level 11	STD11 580-378263/6	SIM011322b016.D
Level 12	STD12 580-378263/5	SIM011322b015.D
Level 13	STD13 580-378263/4	SIM011322b014.D

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 # LVL 13 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 # LVL 11 #	LVL 6 # LVL 12 #	LVL 1 LVL 7 LVL 13	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5 LVL 11	LVL 6 LVL 12
Naphthalene	+++++	11.9						50				
2-Methylnaphthalene	-1.9						50					
1-Methylnaphthalene	10.4						50					
Acenaphthylene	3.7						50					
Acenaphthene	3.8						50					
Fluorene	10.3						50					
Pentachlorophenol	+++++ +++++	+++++	+++++	+++++	+++++	7.1 +++++						50
Phenanthrene	+++++	-1.6						50				

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 # LVL 13 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 # LVL 11 #	LVL 6 # LVL 12 #	LVL 1 LVL 7 LVL 13	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5 LVL 11	LVL 6 LVL 12
Anthracene	-3.2						50					
Fluoranthene	+++++	-0.3						50				
Pyrene	+++++	-0.9						50				
Benzo[a]anthracene	+++++	2.1						50				
Chrysene	+++++	-2.2						50				
Bis(2-ethylhexyl) phthalate	1.9 +++++						50					
Benzo[b]fluoranthene	-0.5						50					
Benzo[k]fluoranthene	-2.2						50					
Benzo[a]pyrene	-0.9						50					
Indeno[1,2,3-cd]pyrene	+++++	+++++	9.1						50			
Dibenz(a,h)anthracene	1.1						50					
Benzo[g,h,i]perylene	-1.6						50					
2-methylnaphthalene-d10	-0.5						50					

FORM VI
GC/MS SEMI VOA BY INTERNAL STANDARD - INITIAL CALIBRATION DATA
READBACK PERCENT ERROR

Lab Name: Eurofins Seattle Job No.: 580-110975-1 Analy Batch No.: 378263

SDG No.:

Instrument ID: TAC050 GC Column: ZB-SV ID: 0.25(mm) Heated Purge: (Y/N) N

Calibration Start Date: 01/14/2022 01:16 Calibration End Date: 01/14/2022 05:04 Calibration ID: 31897

ANALYTE	PERCENT ERROR						PERCENT ERROR LIMIT					
	LVL 1 # LVL 7 # LVL 13 #	LVL 2 # LVL 8 #	LVL 3 # LVL 9 #	LVL 4 # LVL 10 #	LVL 5 # LVL 11 #	LVL 6 # LVL 12 #	LVL 1 LVL 7 LVL 13	LVL 2 LVL 8	LVL 3 LVL 9	LVL 4 LVL 10	LVL 5 LVL 11	LVL 6 LVL 12
2-Fluorobiphenyl	7.4						50					
2,4,6-Tribromophenol	+++++ +++++	+++++	+++++	24.6						30		
Fluoranthene-d10 (Surr)	+++++	0.2						50				
Terphenyl-d14	+++++	+++++	24.5						50			

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b014.D
Lims ID: std13
Client ID:
Sample Type: IC Calib Level: 13
Inject. Date: 14-Jan-2022 01:16:30 ALS Bottle#: 4 Worklist Smp#: 4
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 13
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:07 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:57:37

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.175	5.175	0.000	89	23790	100.0	100.0	
* 2 Acenaphthene-d10	164	6.858	6.858	0.000	71	12417	100.0	100.0	
* 3 Phenanthrene-d10	188	8.323	8.323	0.000	56	19239	100.0	100.0	
* 4 Chrysene-d12	240	11.039	11.039	0.000	18	16035	100.0	100.0	
* 5 Perylene-d12	264	13.084	13.084	0.000	69	18181	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.814	0.000	67	1343563	10000	9546.4	
$ 10 2-Fluorobiphenyl	172	6.197	6.197	0.000	0	1730752	10000	8710.6	
$ 7 2,4,6-Tribromophenol	330	7.637	7.637	0.000	57	364048	10000	8339.9	
$ 8 Fluoranthene-d10 (Surr)	212	9.510	9.510	0.000	69	1947324	10000	9808.5	
$ 9 Terphenyl-d14	244	9.904	9.904	0.000	95	1444527	10000	9368.4	
11 Naphthalene	128	5.194	5.194	0.000	100	2265154	10000	9002.4	
12 2-Methylnaphthalene	141	5.846	5.846	0.000	97	1398242	10000	9798.6	
13 1-Methylnaphthalene	141	5.942	5.942	0.000	98	1328414	10000	9610.9	
14 Acenaphthylene	152	6.722	6.722	0.000	100	2434168	10000	9272.6	
15 Acenaphthene	153	6.889	6.889	0.000	95	1491471	10000	9053.5	
16 Fluorene	166	7.399	7.399	0.000	95	1717929	10000	9353.8	
17 Pentachlorophenol	266	8.134	8.134	0.000	98	677544	20000	11173	
18 Phenanthrene	178	8.346	8.346	0.000	100	2257550	10000	9342.3	
19 Anthracene	178	8.401	8.401	0.000	100	2384546	10000	9765.4	
20 Fluoranthene	202	9.530	9.530	0.000	52	2362929	10000	9897.3	
21 Pyrene	202	9.754	9.754	0.000	52	2467420	10000	9810.8	
22 Benzo[a]anthracene	228	11.026	11.026	0.000	95	2263685	10000	9832.7	M
23 Chrysene	228	11.071	11.071	0.000	99	2245321	10000	9346.7	
30 Bis(2-ethylhexyl) phthalate	149	11.902	11.902	0.000	0	3217562	10000	7450.6	
24 Benzo[b]fluoranthene	252	12.493	12.493	0.000	97	2440243	10000	10295	
25 Benzo[k]fluoranthene	252	12.534	12.534	0.000	95	2575872	10000	9697.4	
26 Benzo[a]pyrene	252	13.006	13.006	0.000	97	2428829	10000	10269	
27 Indeno[1,2,3-cd]pyrene	276	14.968	14.968	0.000	96	2126159	10000	9465.5	
28 Dibenz(a,h)anthracene	278	15.017	15.017	0.000	96	2428114	10000	10628	
29 Benzo[g,h,i]perylene	276	15.467	15.467	0.000	95	2416384	10000	9758.9	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8270SIM_IS_00069	Amount Added: 10.00	Units: uL
8270_ic_stk_00062	Amount Added: 100.00	Units: uL

Report Date: 14-Jan-2022 15:42:07 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b014.D

Injection Date: 14-Jan-2022 01:16:30 Instrument ID: TAC050

Lims ID: std13

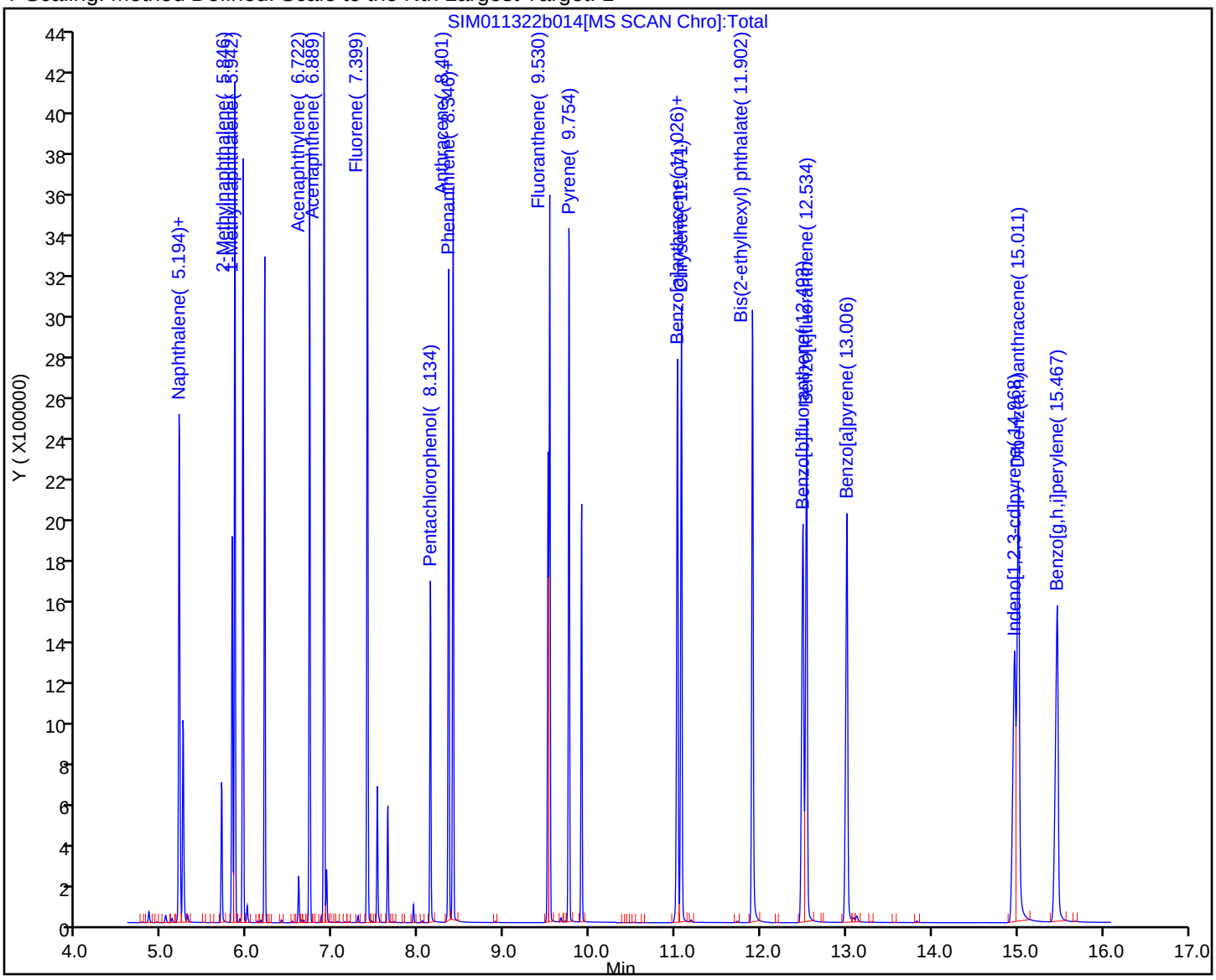
Client ID:

Operator ID: jcm ALS Bottle#: 4 Worklist Smp#: 4

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

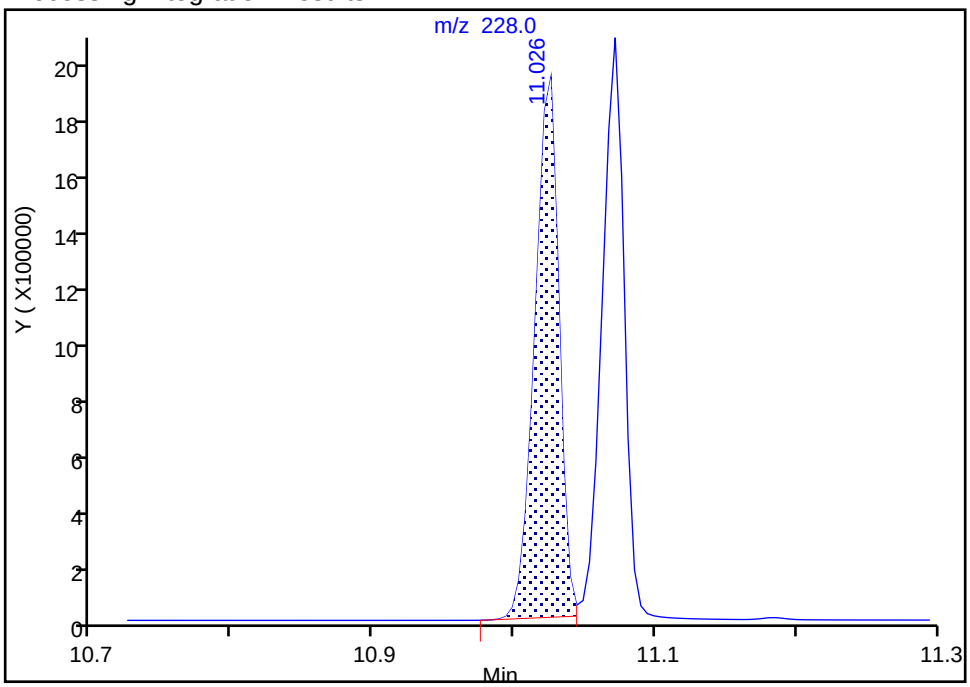
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b014.D				
Injection Date:	14-Jan-2022 01:16:30	Instrument ID:	TAC050		
Lims ID:	std13				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	4	Worklist Smp#:	4
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

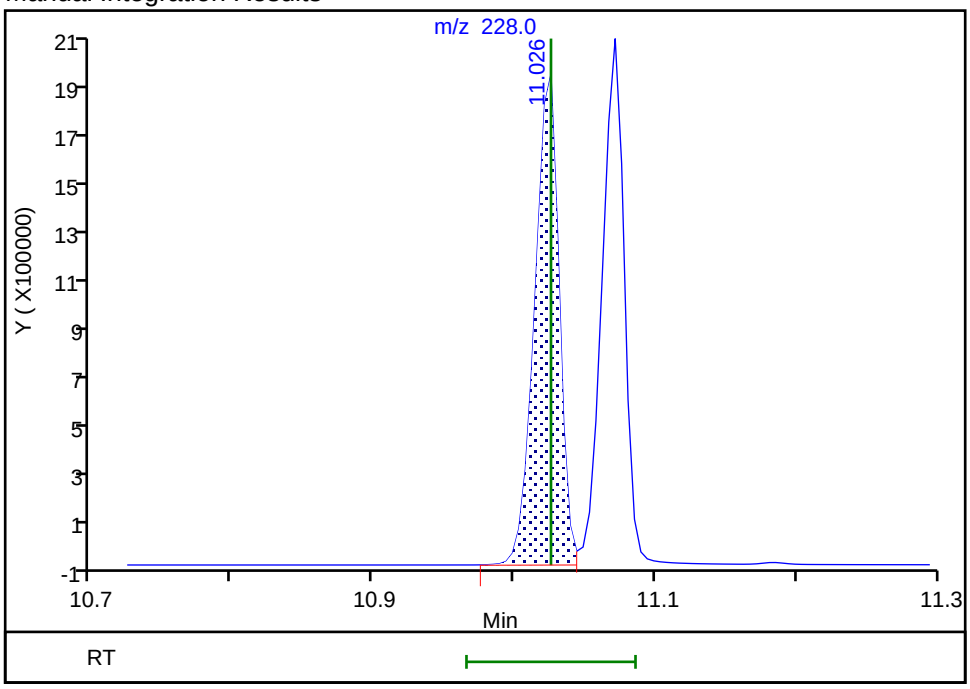
Processing Integration Results

RT: 11.03
Area: 2231499
Amount: 9753.1502
Amount Units: ug/L



Manual Integration Results

RT: 11.03
Area: 2263685
Amount: 9832.6716
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 13:59:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b015.D
Lims ID: std12
Client ID:
Sample Type: IC Calib Level: 12
Inject. Date: 14-Jan-2022 01:35:30 ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 12
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:08 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:58:25

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.175	5.175	0.000	90	21838	100.0	100.0	
* 2 Acenaphthene-d10	164	6.858	6.858	0.000	72	10611	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.323	-0.004	56	16729	100.0	100.0	
* 4 Chrysene-d12	240	11.035	11.039	-0.004	40	13293	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.084	-0.005	69	15703	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.814	0.000	67	658935	5000.0	5100.4	
$ 10 2-Fluorobiphenyl	172	6.193	6.197	-0.004	0	829635	5000.0	4886.1	
$ 7 2,4,6-Tribromophenol	330	7.632	7.637	-0.005	58	168193	5000.0	4994.1	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.510	-0.004	69	927539	5000.0	5372.4	
$ 9 Terphenyl-d14	244	9.900	9.904	-0.004	95	689419	5000.0	5142.1	
11 Naphthalene	128	5.194	5.194	0.000	100	1129737	5000.0	4891.3	
12 2-Methylnaphthalene	141	5.846	5.846	0.000	92	673905	5000.0	5144.7	
13 1-Methylnaphthalene	141	5.937	5.942	-0.005	99	645502	5000.0	5087.5	
14 Acenaphthylene	152	6.717	6.722	-0.005	100	1173013	5000.0	5228.9	
15 Acenaphthene	153	6.889	6.889	0.000	99	714176	5000.0	5073.0	
16 Fluorene	166	7.394	7.399	-0.005	96	811630	5000.0	5171.3	
17 Pentachlorophenol	266	8.130	8.134	-0.004	98	308802	10000	7873.5	
18 Phenanthrene	178	8.346	8.346	0.000	99	1092665	5000.0	5199.6	
19 Anthracene	178	8.397	8.401	-0.004	99	1141218	5000.0	5374.4	
20 Fluoranthene	202	9.526	9.530	-0.004	52	1100144	5000.0	5298.9	
21 Pyrene	202	9.750	9.754	-0.004	52	1161089	5000.0	5308.7	
22 Benzo[a]anthracene	228	11.017	11.026	-0.009	95	1050296	5000.0	5502.6	M
23 Chrysene	228	11.062	11.071	-0.009	99	1050734	5000.0	5275.5	
30 Bis(2-ethylhexyl) phthalate	149	11.898	11.902	-0.004	0	1514360	5000.0	4861.6	Ma
24 Benzo[b]fluoranthene	252	12.479	12.493	-0.014	98	1135616	5000.0	5546.5	
25 Benzo[k]fluoranthene	252	12.525	12.534	-0.009	95	1206698	5000.0	5259.4	
26 Benzo[a]pyrene	252	12.997	13.006	-0.009	97	1131186	5000.0	5537.0	
27 Indeno[1,2,3-cd]pyrene	276	14.951	14.968	-0.017	96	990249	5000.0	5380.8	
28 Dibenz(a,h)anthracene	278	14.995	15.017	-0.022	97	1131196	5000.0	5732.3	
29 Benzo[g,h,i]perylene	276	15.445	15.467	-0.022	96	1159620	5000.0	5422.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270_ic_stk_00062	Amount Added:	50.00	Units: uL
8270SIM_IS_00069	Amount Added:	10.00	Units: uL

Report Date: 14-Jan-2022 15:42:09 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b015.D

Injection Date: 14-Jan-2022 01:35:30 Instrument ID: TAC050

Lims ID: std12

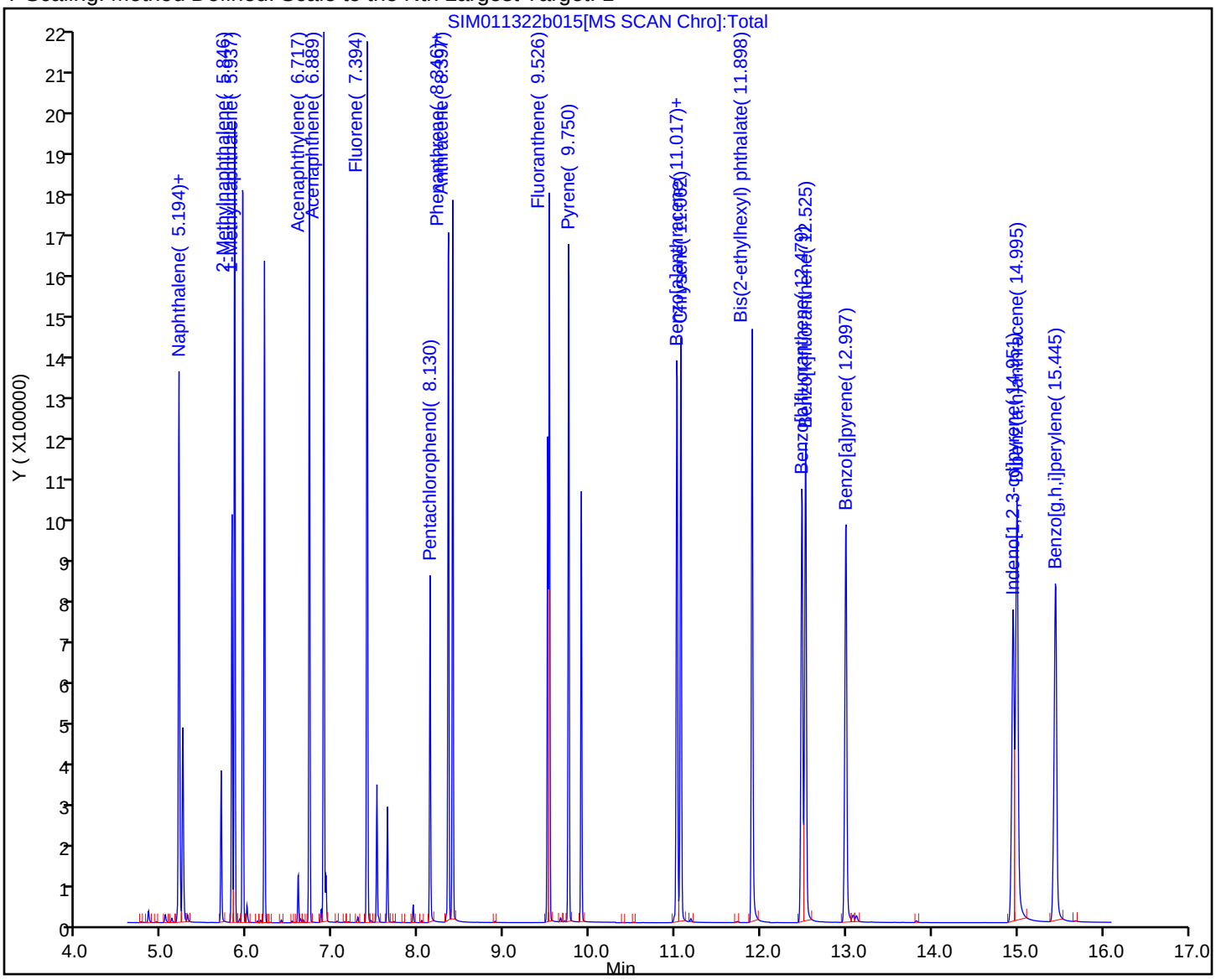
Client ID:

Operator ID: jcm ALS Bottle#: 5 Worklist Smp#: 5

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

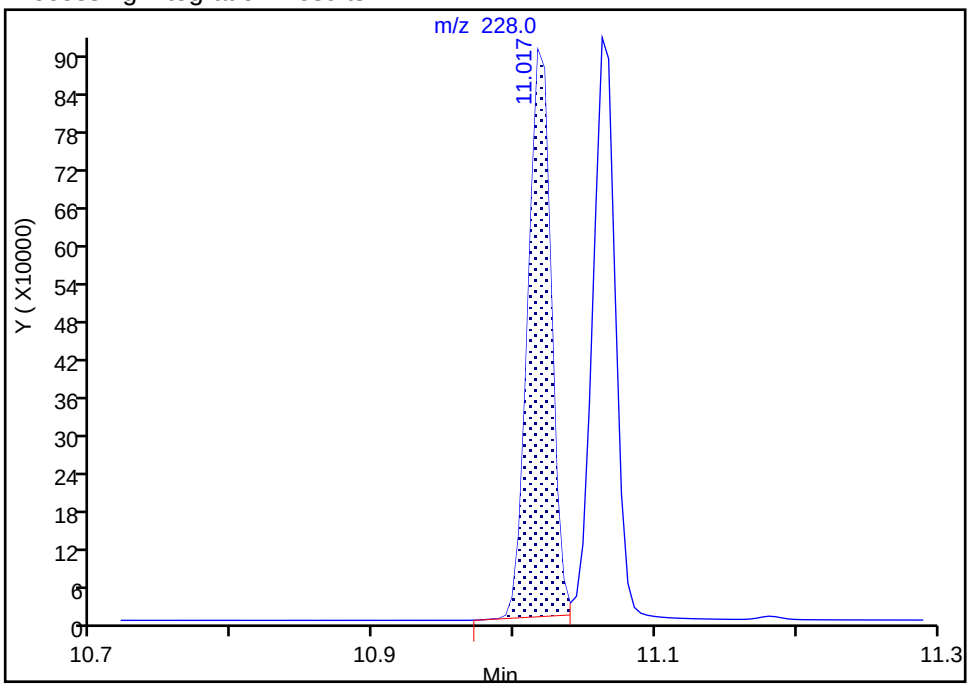
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b015.D
Injection Date: 14-Jan-2022 01:35:30 Instrument ID: TAC050
Lims ID: std12
Client ID:
Operator ID: jcm ALS Bottle#: 5 Worklist Smp#: 5
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

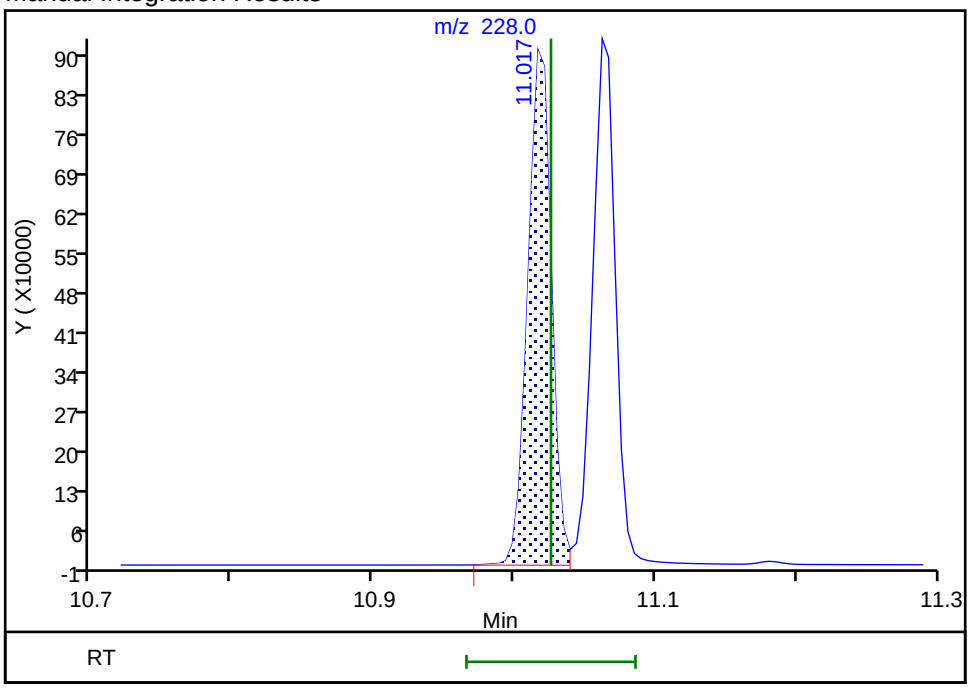
Processing Integration Results

RT: 11.02
Area: 1031944
Amount: 5429.8812
Amount Units: ug/L



Manual Integration Results

RT: 11.02
Area: 1050296
Amount: 5502.5959
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 13:59:56
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

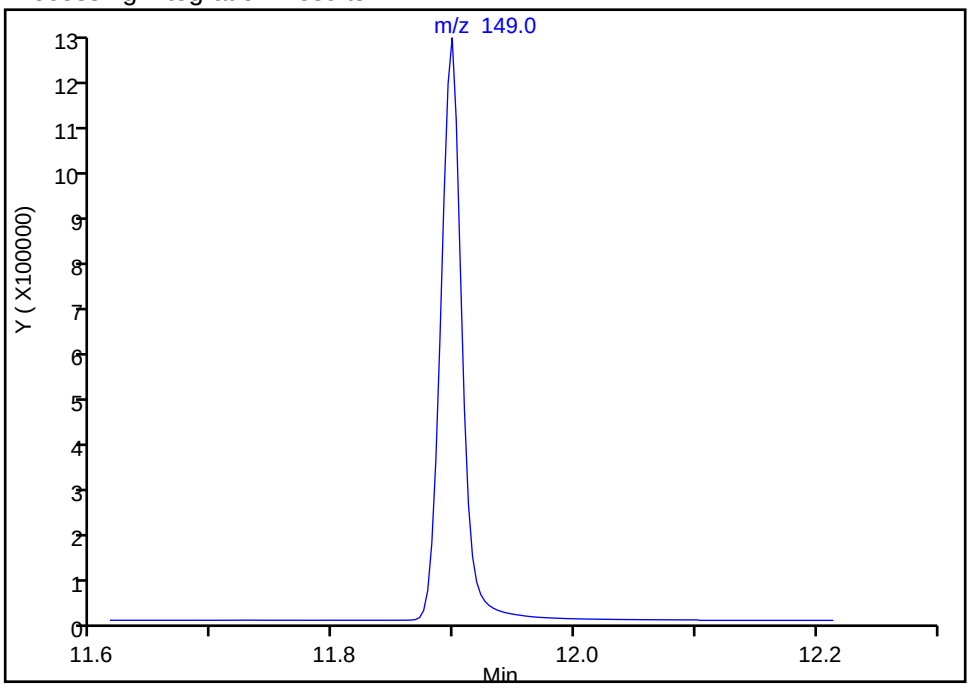
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b015.D				
Injection Date:	14-Jan-2022 01:35:30	Instrument ID:	TAC050		
Lims ID:	std12				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	5	Worklist Smp#:	5
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

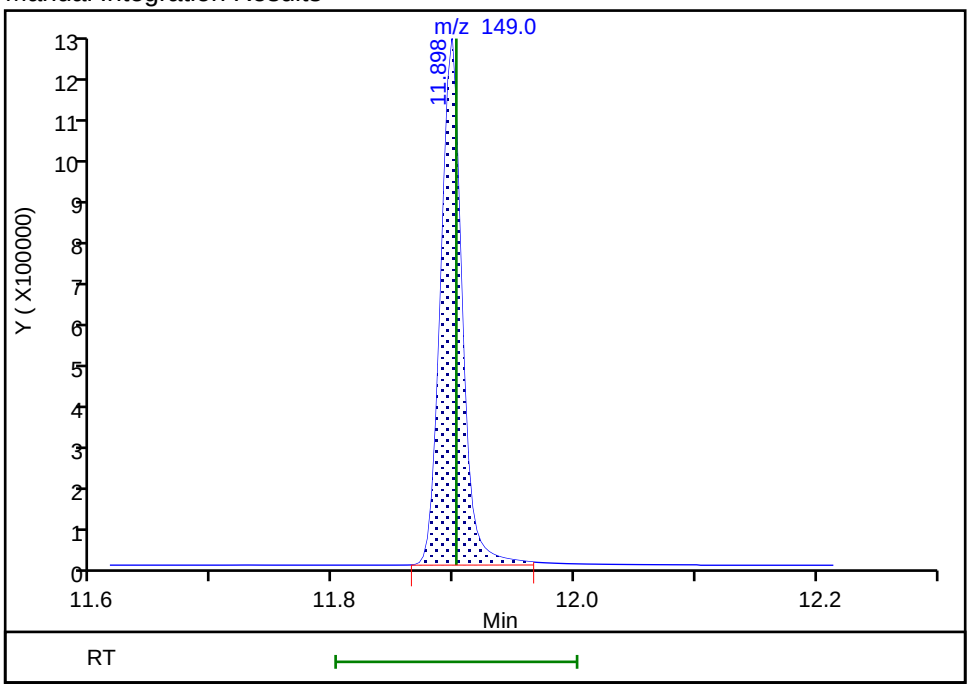
Not Detected
Expected RT: 11.90

Processing Integration Results



Manual Integration Results

RT: 11.90
Area: 1514360
Amount: 4861.6112
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 13:58:35
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b016.D
Lims ID: std11
Client ID:
Sample Type: IC Calib Level: 11
Inject. Date: 14-Jan-2022 01:54:30 ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 11
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:10 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:59:09

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.175	-0.004	90	22807	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.858	-0.004	70	10972	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.323	-0.004	56	17139	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.039	-0.009	57	13463	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.084	-0.005	69	15642	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.814	0.000	67	259103	2000.0	1920.3	
$ 10 2-Fluorobiphenyl	172	6.193	6.197	-0.004	0	322797	2000.0	1838.5	
$ 7 2,4,6-Tribromophenol	330	7.628	7.637	-0.009	59	63090	2000.0	2006.5	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.510	-0.004	68	358856	2000.0	2028.1	
$ 9 Terphenyl-d14	244	9.896	9.904	-0.008	96	265872	2000.0	1935.6	
11 Naphthalene	128	5.194	5.194	0.000	100	455448	2000.0	1888.1	
12 2-Methylnaphthalene	141	5.841	5.846	-0.005	96	260099	2000.0	1901.3	
13 1-Methylnaphthalene	141	5.937	5.942	-0.005	98	250376	2000.0	1889.5	
14 Acenaphthylene	152	6.717	6.722	-0.005	100	459226	2000.0	1979.7	
15 Acenaphthene	153	6.885	6.889	-0.004	96	279319	2000.0	1918.8	
16 Fluorene	166	7.394	7.399	-0.005	93	315659	2000.0	1945.0	
17 Pentachlorophenol	266	8.126	8.134	-0.008	97	100947	4000.0	3873.9	
18 Phenanthrene	178	8.342	8.346	-0.004	100	422623	2000.0	1962.3	
19 Anthracene	178	8.393	8.401	-0.008	100	429392	2000.0	1973.2	
20 Fluoranthene	202	9.522	9.530	-0.008	52	423401	2000.0	1989.8	
21 Pyrene	202	9.750	9.754	-0.004	51	452528	2000.0	2018.8	
22 Benzo[a]anthracene	228	11.017	11.026	-0.009	95	398056	2000.0	2058.3	M
23 Chrysene	228	11.058	11.071	-0.013	99	390408	2000.0	1934.5	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.902	-0.007	0	551318	2000.0	2081.1	Ma
24 Benzo[b]fluoranthene	252	12.475	12.493	-0.018	97	408952	2000.0	2004.7	
25 Benzo[k]fluoranthene	252	12.516	12.534	-0.018	96	459854	2000.0	2011.6	
26 Benzo[a]pyrene	252	12.988	13.006	-0.018	97	419408	2000.0	2060.4	
27 Indeno[1,2,3-cd]pyrene	276	14.941	14.968	-0.027	96	370557	2000.0	2113.1	
28 Dibenz(a,h)anthracene	278	14.989	15.017	-0.028	96	412698	2000.0	2099.1	
29 Benzo[g,h,i]perylene	276	15.434	15.467	-0.033	95	434660	2000.0	2039.8	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

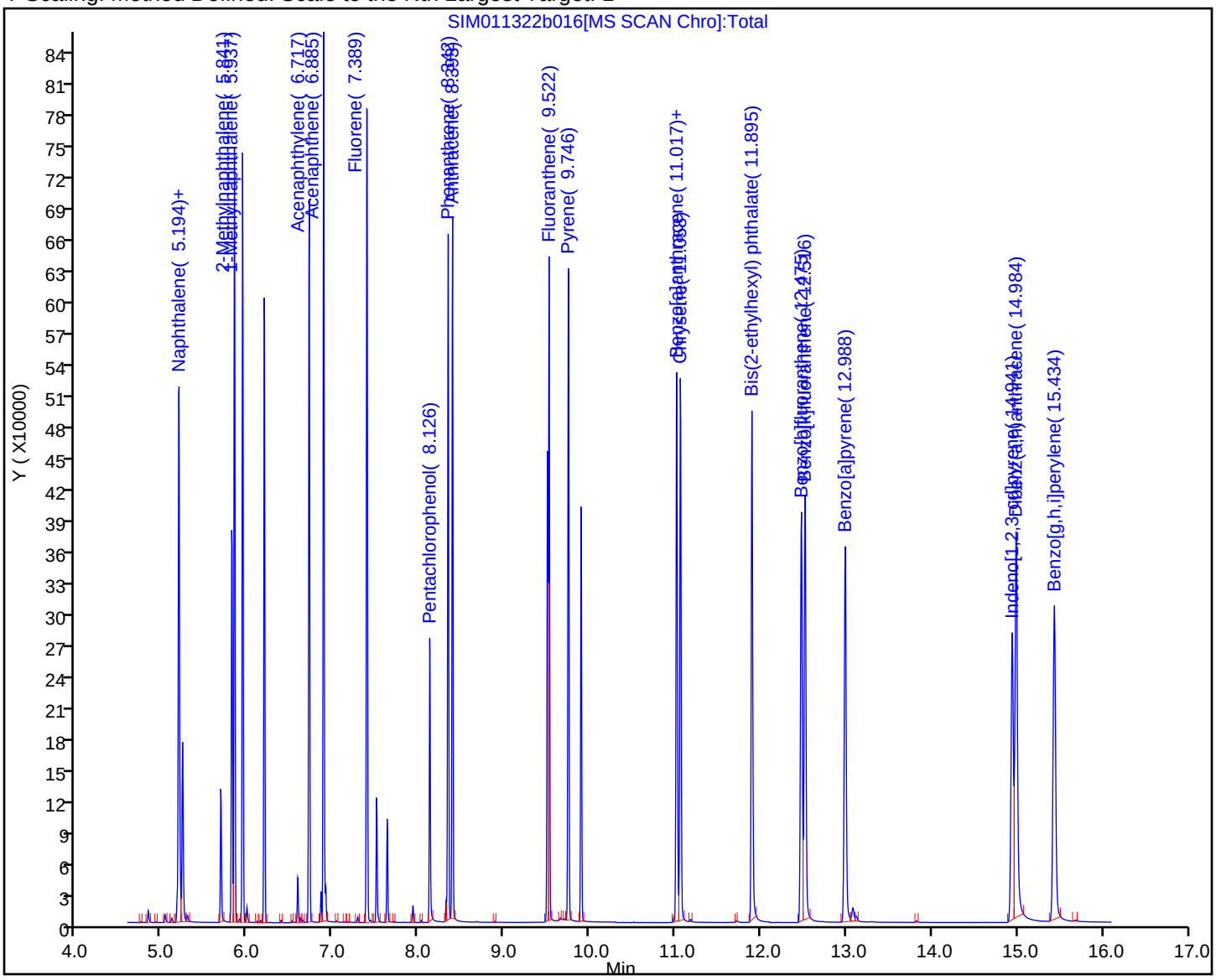
Reagents:

8270_ic_stk_00062	Amount Added:	20.00	Units: uL
8270SIM_IS_00069	Amount Added:	10.00	Units: uL

Report Date: 14-Jan-2022 15:42:10 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b016.D
Injection Date: 14-Jan-2022 01:54:30 Instrument ID: TAC050
Lims ID: std11
Client ID:
Operator ID: jcm ALS Bottle#: 6 Worklist Smp#: 6
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

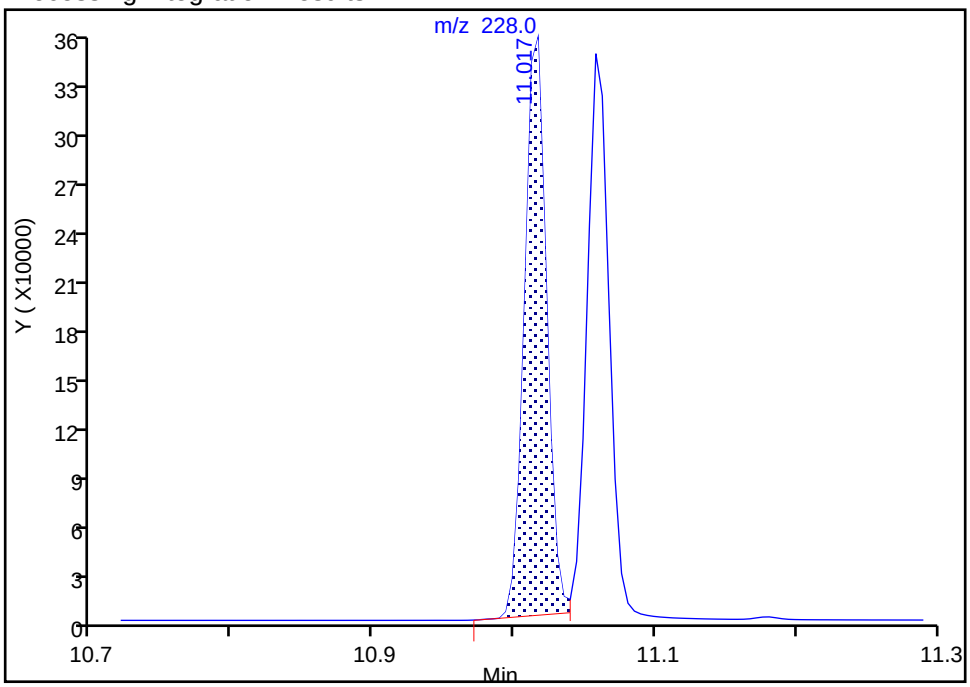
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b016.D				
Injection Date:	14-Jan-2022 01:54:30	Instrument ID:	TAC050		
Lims ID:	std11				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

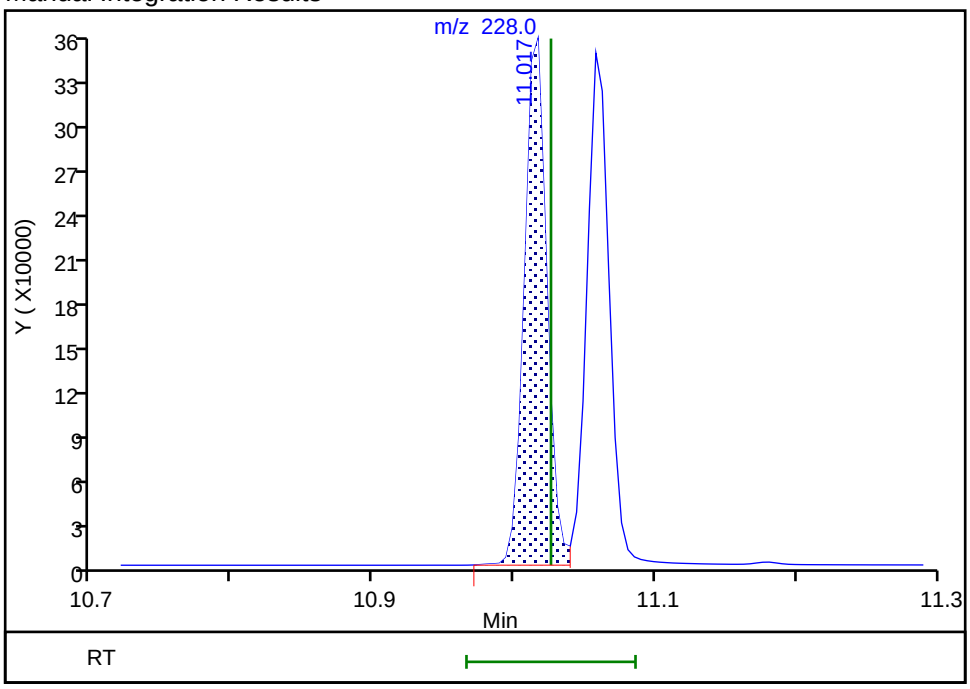
Processing Integration Results

RT: 11.02
Area: 388556
Amount: 2012.7373
Amount Units: ug/L



Manual Integration Results

RT: 11.02
Area: 398056
Amount: 2058.2970
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:00:43
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

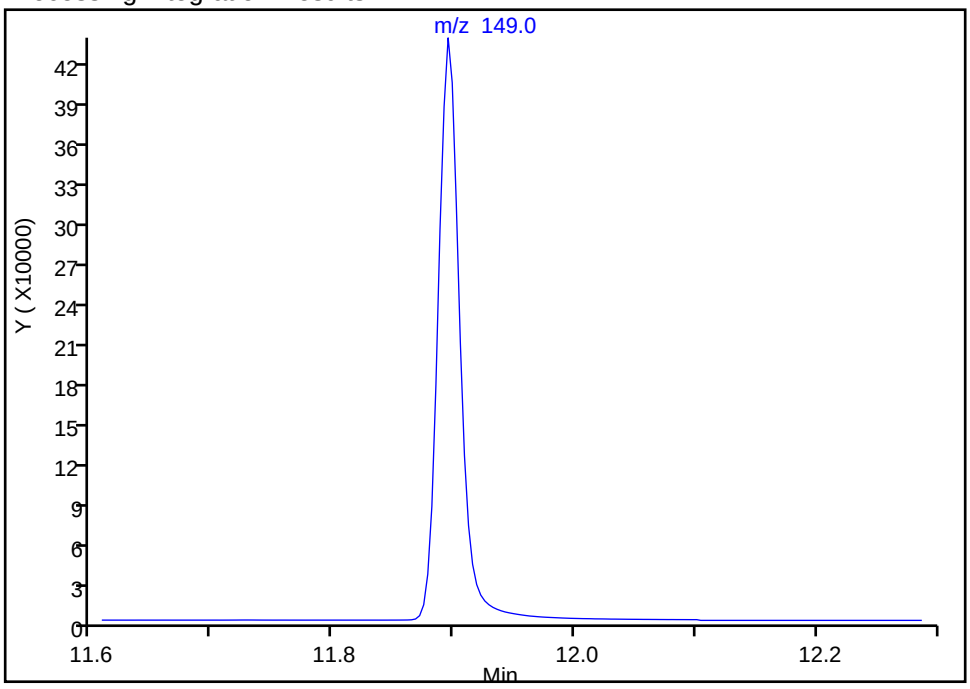
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b016.D				
Injection Date:	14-Jan-2022 01:54:30	Instrument ID:	TAC050		
Lims ID:	std11				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	6	Worklist Smp#:	6
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

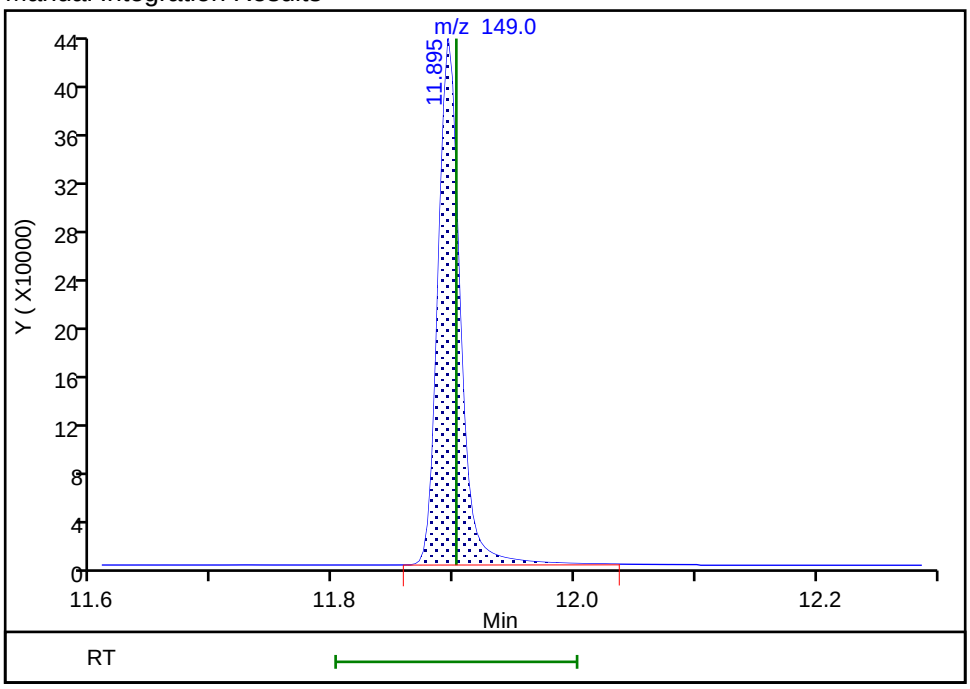
Not Detected
Expected RT: 11.90

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 551318
Amount: 2081.1144
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 13:58:57
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D
Lims ID: std10
Client ID:
Sample Type: IC Calib Level: 10
Inject. Date: 14-Jan-2022 02:13:30 ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 10
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:11 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:02:14

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.175	-0.004	90	23211	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.858	-0.004	70	10998	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.323	-0.004	56	16806	100.0	100.0	
* 4 Chrysene-d12	240	11.026	11.039	-0.013	54	13626	100.0	100.0	
* 5 Perylene-d12	264	13.074	13.084	-0.010	69	15564	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.814	0.000	67	136490	1000.0	994.0	
$ 10 2-Fluorobiphenyl	172	6.193	6.197	-0.004	0	168952	1000.0	960.0	
$ 7 2,4,6-Tribromophenol	330	7.628	7.637	-0.009	58	31220	1000.0	1028.7	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.510	-0.008	69	181549	1000.0	1045.8	
$ 9 Terphenyl-d14	244	9.896	9.904	-0.008	95	138125	1000.0	1025.5	
11 Naphthalene	128	5.189	5.194	-0.005	100	242151	1000.0	986.4	
12 2-Methylnaphthalene	141	5.841	5.846	-0.005	96	135530	1000.0	973.5	
13 1-Methylnaphthalene	141	5.937	5.942	-0.005	98	130882	1000.0	970.5	
14 Acenaphthylene	152	6.717	6.722	-0.005	100	237007	1000.0	1019.3	
15 Acenaphthene	153	6.884	6.889	-0.005	96	145402	1000.0	996.5	
16 Fluorene	166	7.394	7.399	-0.005	92	163209	1000.0	1003.3	
17 Pentachlorophenol	266	8.126	8.134	-0.008	97	44279	2000.0	2176.5	
18 Phenanthrene	178	8.342	8.346	-0.004	100	217890	1000.0	1031.2	
19 Anthracene	178	8.393	8.401	-0.008	100	218902	1000.0	1025.4	
20 Fluoranthene	202	9.522	9.530	-0.008	52	216797	1000.0	1038.5	
21 Pyrene	202	9.746	9.754	-0.008	52	231682	1000.0	1053.5	
22 Benzo[a]anthracene	228	11.012	11.026	-0.014	95	203397	1000.0	1038.5	M
23 Chrysene	228	11.058	11.071	-0.013	99	203276	1000.0	994.5	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.902	-0.007	0	269774	1000.0	1080.2	Ma
24 Benzo[b]fluoranthene	252	12.470	12.493	-0.023	98	209981	1000.0	1034.1	a
25 Benzo[k]fluoranthene	252	12.516	12.534	-0.018	95	229502	1000.0	1008.6	
26 Benzo[a]pyrene	252	12.983	13.006	-0.023	97	213598	1000.0	1054.2	
27 Indeno[1,2,3-cd]pyrene	276	14.935	14.968	-0.033	96	187487	1000.0	1090.0	
28 Dibenz(a,h)anthracene	278	14.984	15.017	-0.033	96	209663	1000.0	1071.5	
29 Benzo[g,h,i]perylene	276	15.429	15.467	-0.038	95	221508	1000.0	1044.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057 Amount Added: 1.00 Units: mL

Report Date: 14-Jan-2022 15:42:11 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D

Injection Date: 14-Jan-2022 02:13:30 Instrument ID: TAC050

Lims ID: std10

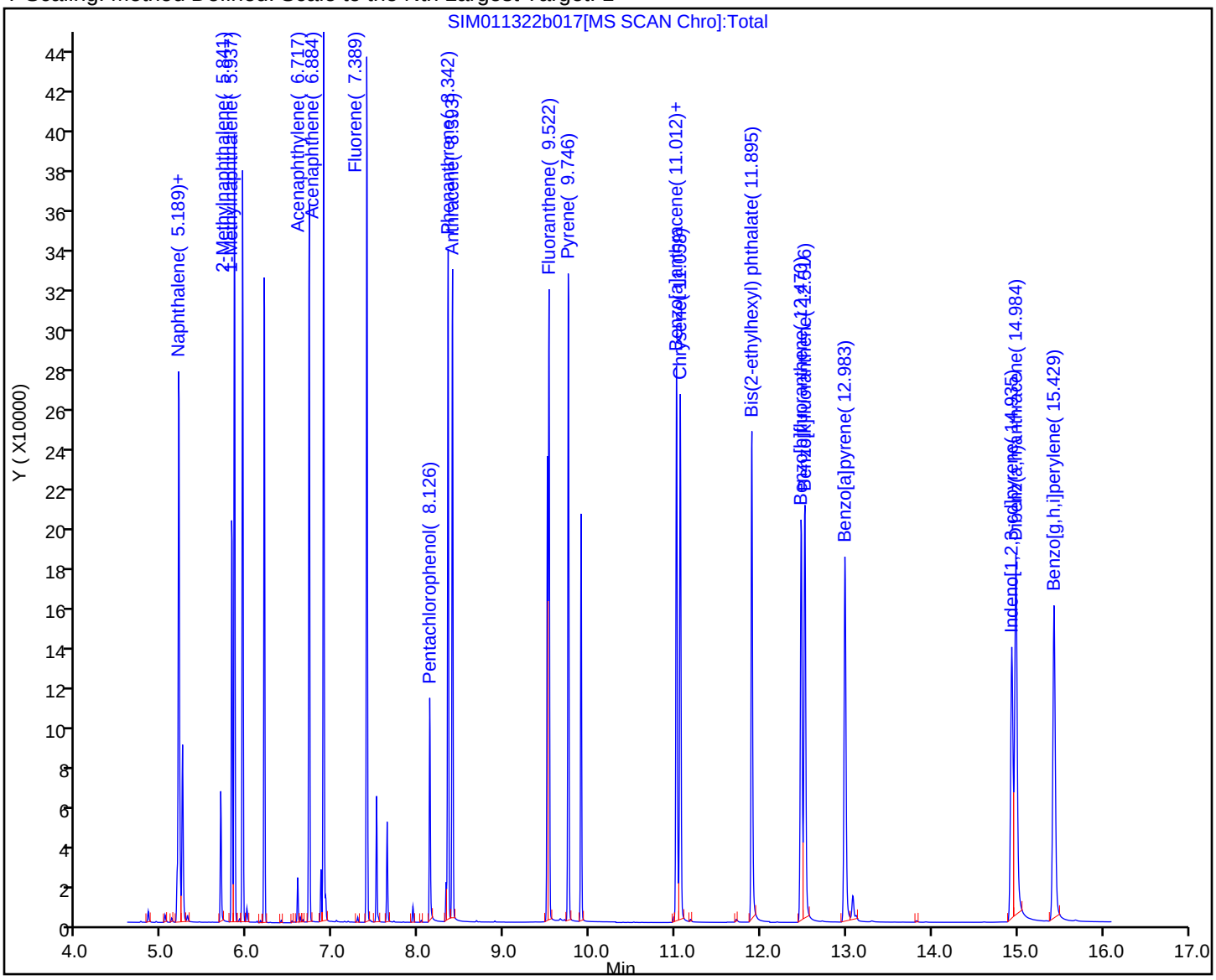
Client ID:

Operator ID: jcm ALS Bottle#: 7 Worklist Smp#: 7

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

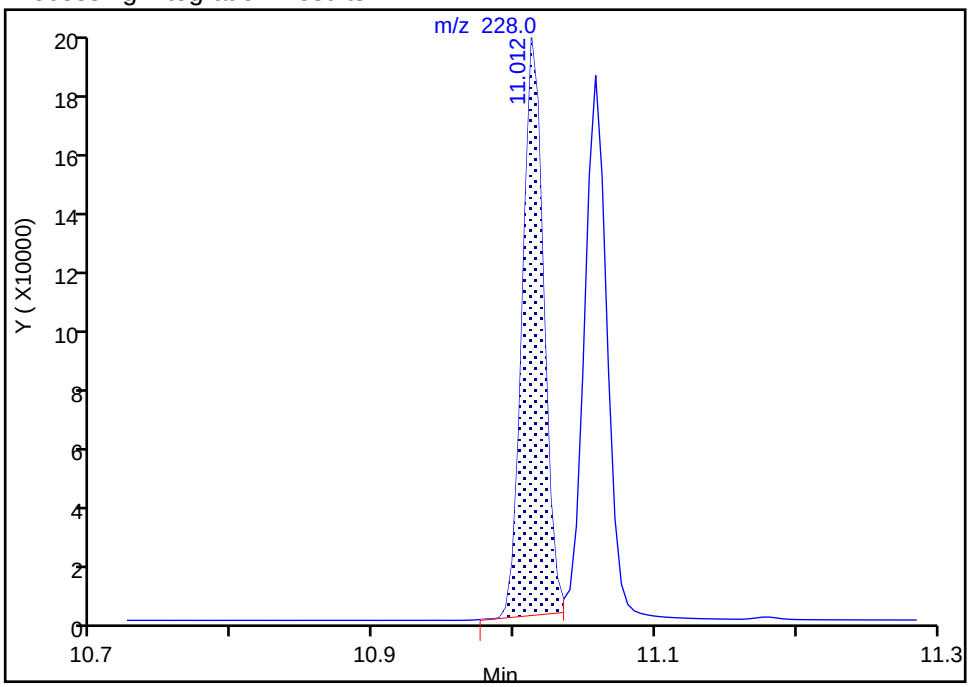
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D
Injection Date: 14-Jan-2022 02:13:30 Instrument ID: TAC050
Lims ID: std10
Client ID:
Operator ID: jcm ALS Bottle#: 7 Worklist Smp#: 7
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

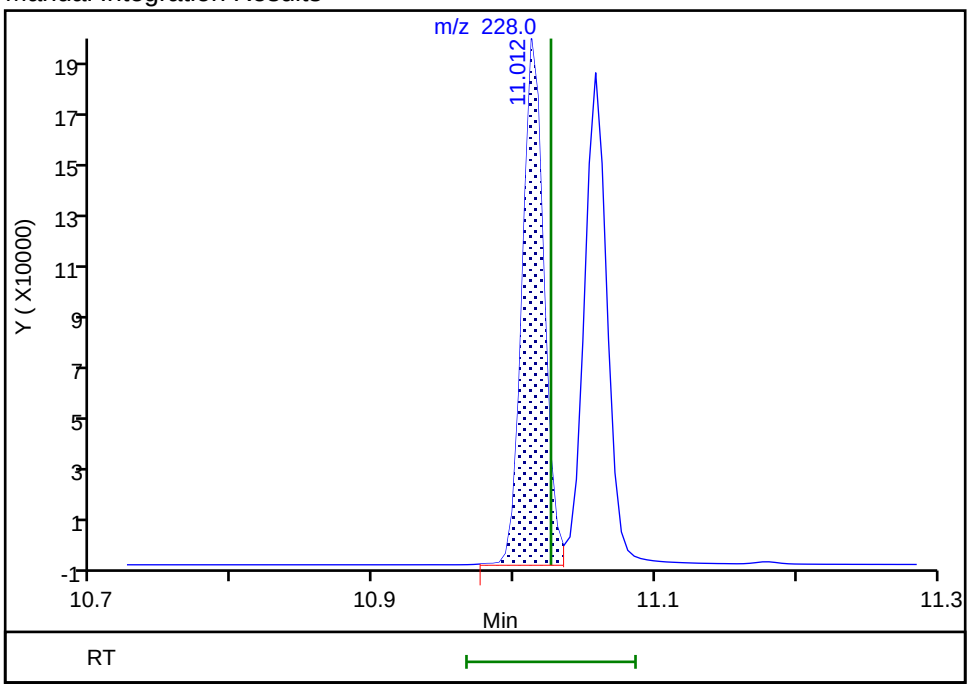
Processing Integration Results

RT: 11.01
Area: 198209
Amount: 1012.8519
Amount Units: ug/L



Manual Integration Results

RT: 11.01
Area: 203397
Amount: 1038.5090
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:01:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

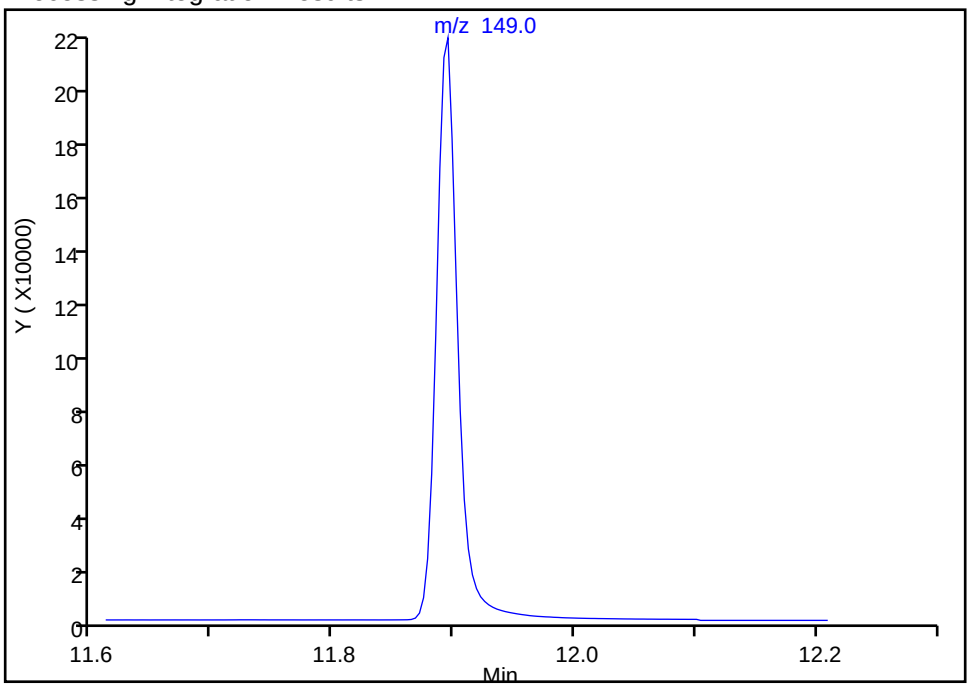
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D				
Injection Date:	14-Jan-2022 02:13:30	Instrument ID:	TAC050		
Lims ID:	std10				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

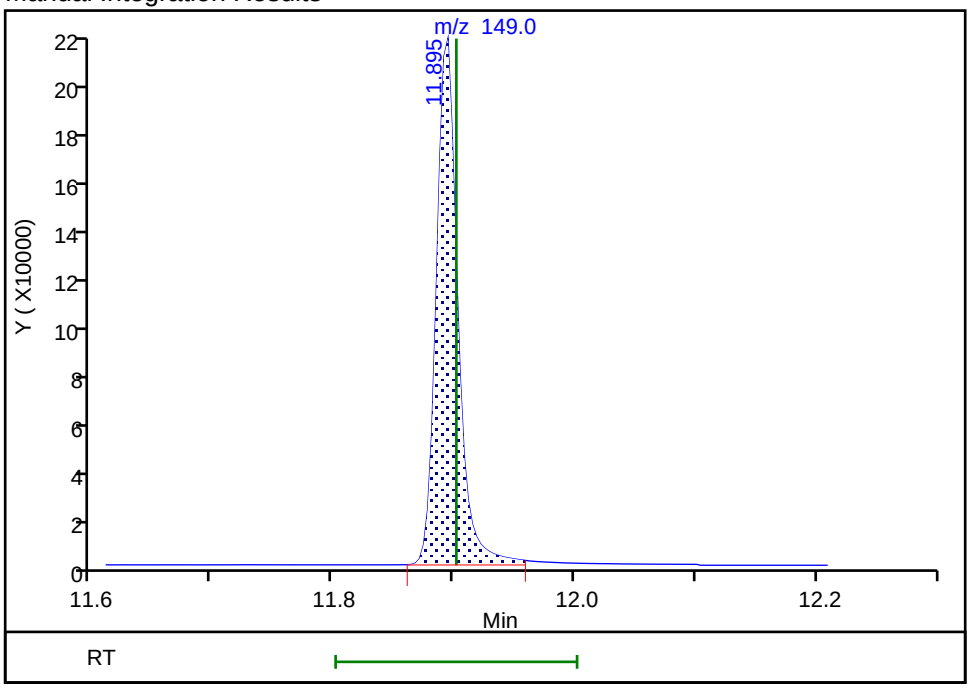
Not Detected
Expected RT: 11.90

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 269774
Amount: 1080.1509
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:01:12
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

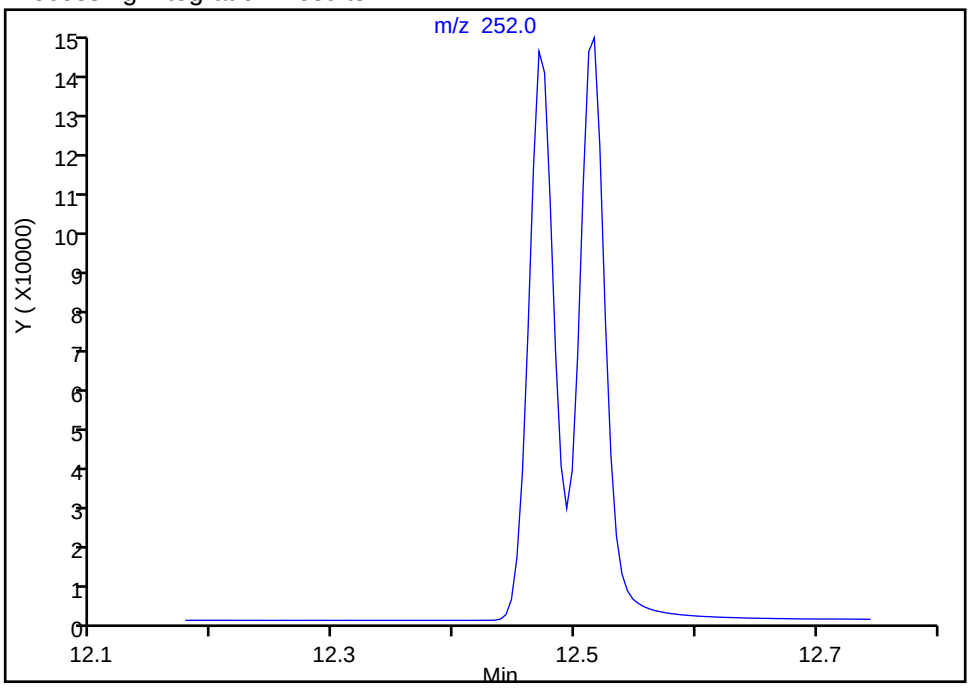
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b017.D				
Injection Date:	14-Jan-2022 02:13:30	Instrument ID:	TAC050		
Lims ID:	std10				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	7	Worklist Smp#:	7
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

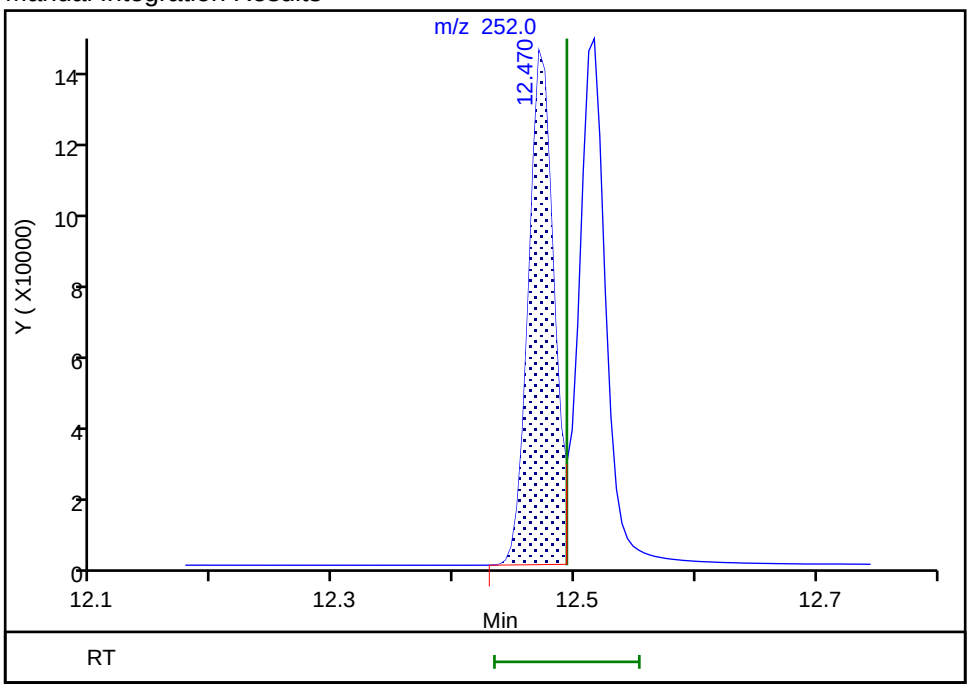
Not Detected
Expected RT: 12.49

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 209981
Amount: 1034.0773
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:01:01
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D
Lims ID: std9is
Client ID:
Sample Type: IC Calib Level: 9
Inject. Date: 14-Jan-2022 02:32:30 ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 9
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:12 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:56:33

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	22195	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	10323	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.000	56	15675	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	67	12522	100.0	100.0	
* 5 Perylene-d12	264	13.074	13.074	0.000	69	14247	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	66447	500.0	506.1	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	81972	500.0	496.2	a
$ 7 2,4,6-Tribromophenol	330	7.628	7.628	0.000	59	13836	500.0	498.2	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	82791	500.0	510.7	
$ 9 Terphenyl-d14	244	9.896	9.896	0.000	95	64209	500.0	511.1	
11 Naphthalene	128	5.189	5.189	0.000	100	118848	500.0	506.3	
12 2-Methylnaphthalene	141	5.841	5.841	0.000	95	66711	500.0	501.1	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	97	63527	500.0	492.6	
14 Acenaphthylene	152	6.717	6.717	0.000	100	112225	500.0	514.2	
15 Acenaphthene	153	6.884	6.884	0.000	96	69640	500.0	508.5	
16 Fluorene	166	7.389	7.389	0.000	97	78269	500.0	512.6	
17 Pentachlorophenol	266	8.126	8.126	0.000	97	15457	1000.0	1053.9	
18 Phenanthrene	178	8.342	8.342	0.000	100	102631	500.0	520.2	
19 Anthracene	178	8.389	8.389	0.000	100	101772	500.0	510.7	
20 Fluoranthene	202	9.522	9.522	0.000	52	99999	500.0	513.0	
21 Pyrene	202	9.746	9.746	0.000	52	104547	500.0	509.0	
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	93139	500.0	516.8	M
23 Chrysene	228	11.057	11.057	0.000	99	96213	500.0	511.5	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	118452	500.0	537.3	Ma
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	97903	500.0	526.3	a
25 Benzo[k]fluoranthene	252	12.511	12.511	0.000	95	105112	500.0	504.2	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	97822	500.0	527.0	
27 Indeno[1,2,3-cd]pyrene	276	14.935	14.935	0.000	96	84665	500.0	542.0	
28 Dibenz(a,h)anthracene	278	14.984	14.984	0.000	96	94470	500.0	527.1	
29 Benzo[g,h,i]perylene	276	15.429	15.429	0.000	95	100263	500.0	516.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

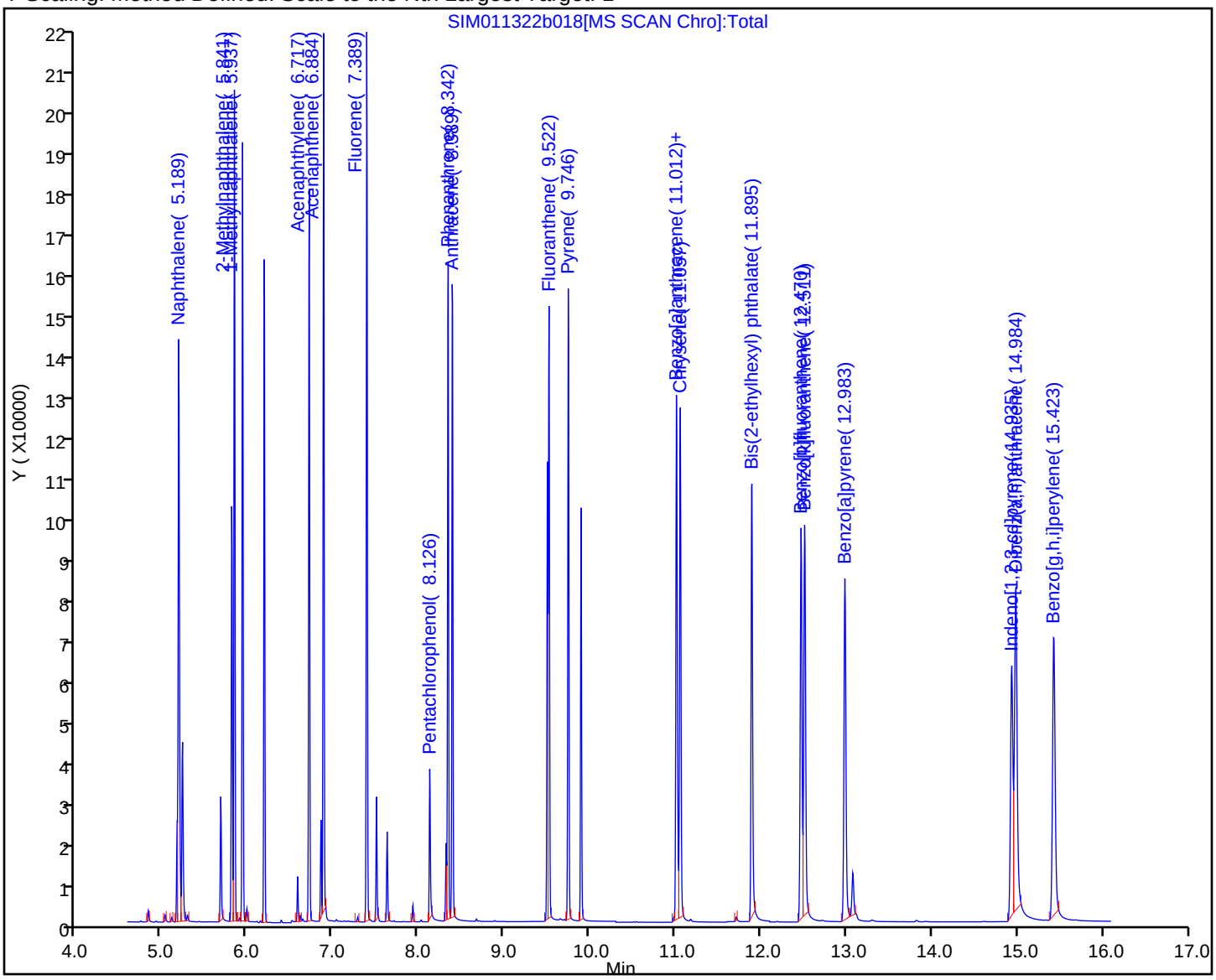
Reagents:

ccv_SIM_500_00086 Amount Added: 1.00 Units: mL

Report Date: 14-Jan-2022 15:42:13 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D
Injection Date: 14-Jan-2022 02:32:30 Instrument ID: TAC050
Lims ID: std9is
Client ID:
Operator ID: jcm ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

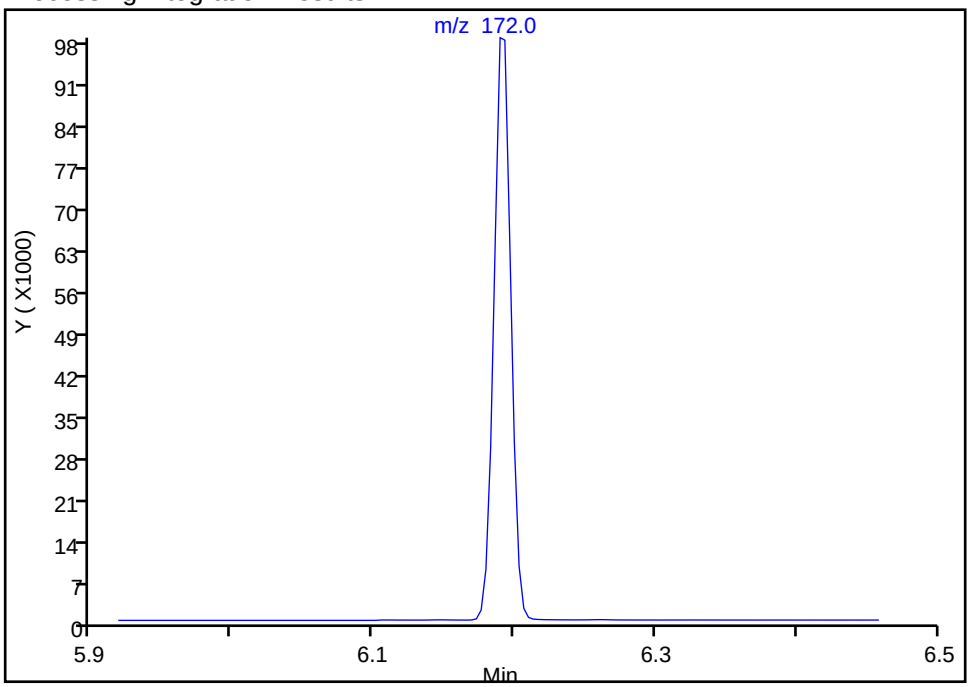
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D
Injection Date: 14-Jan-2022 02:32:30 Instrument ID: TAC050
Lims ID: std9is
Client ID:
Operator ID: jcm ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

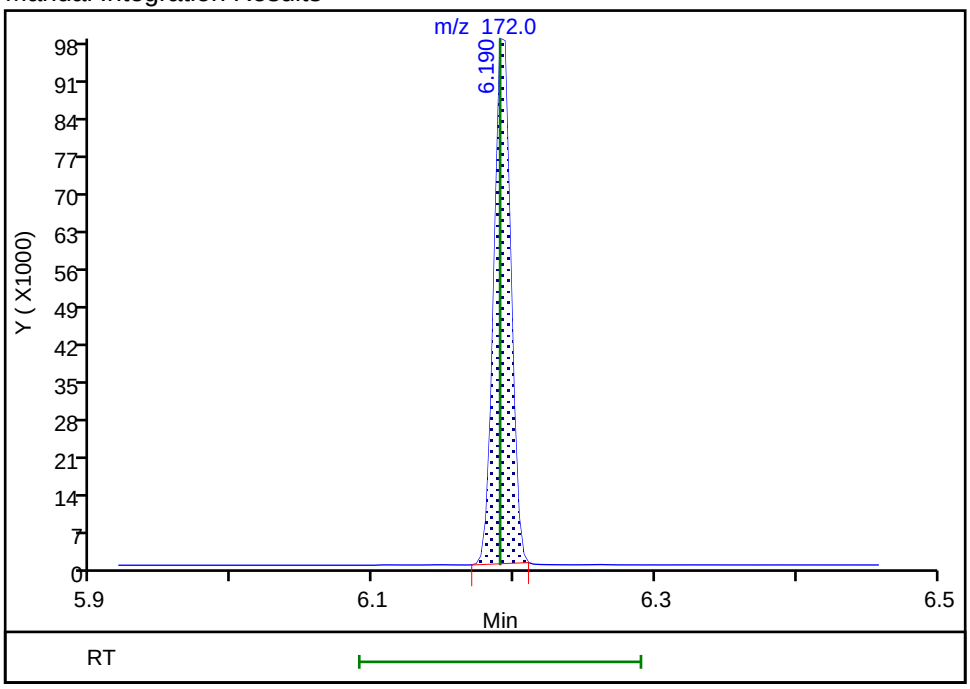
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 81972
Amount: 496.2395
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:01:55
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

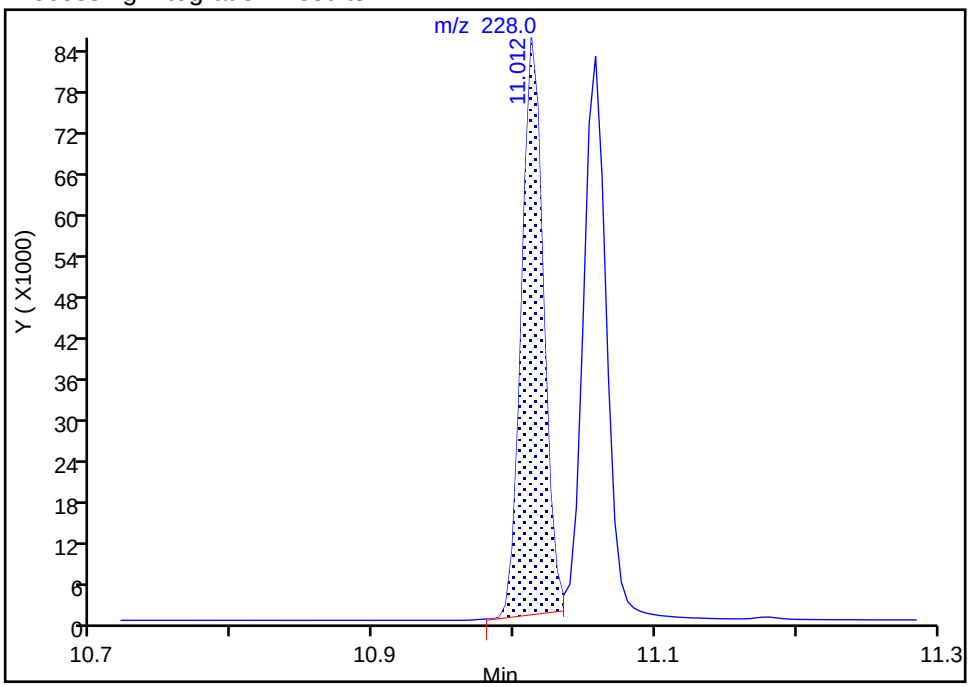
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D
Injection Date: 14-Jan-2022 02:32:30 Instrument ID: TAC050
Lims ID: std9is
Client ID:
Operator ID: jcm ALS Bottle#: 8 Worklist Smp#: 8
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

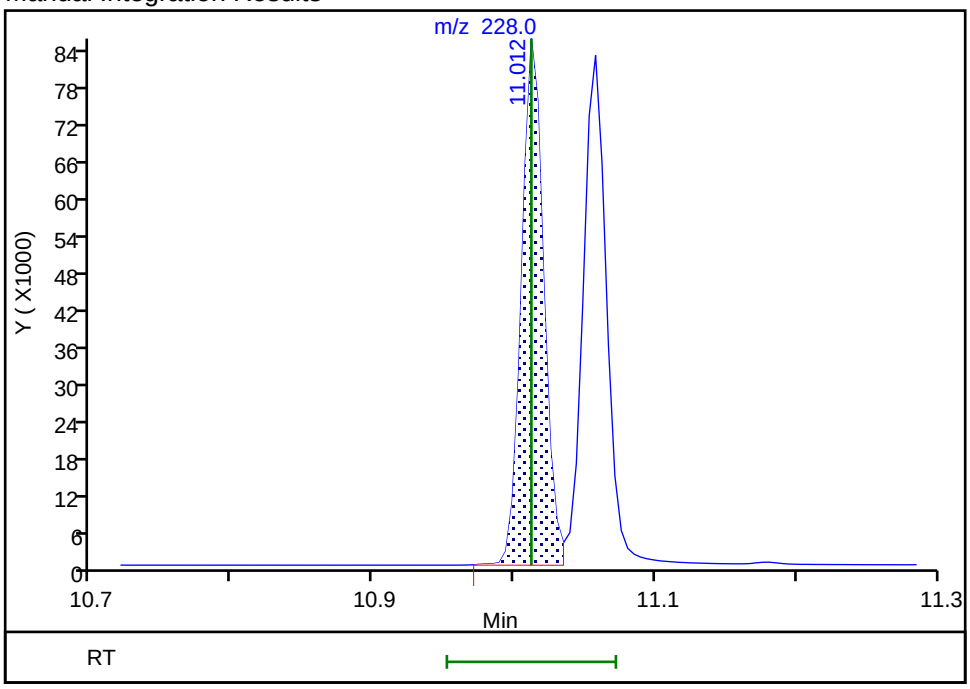
Processing Integration Results

RT: 11.01
Area: 90754
Amount: 502.2735
Amount Units: ug/L



Manual Integration Results

RT: 11.01
Area: 93139
Amount: 516.8199
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:02:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

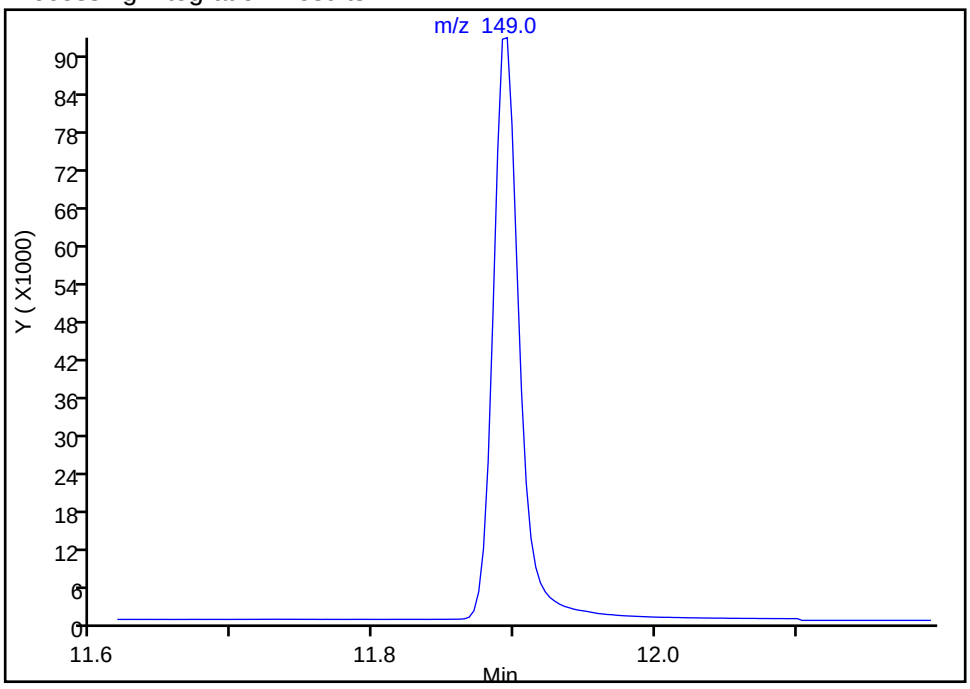
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D				
Injection Date:	14-Jan-2022 02:32:30	Instrument ID:	TAC050		
Lims ID:	std9is				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

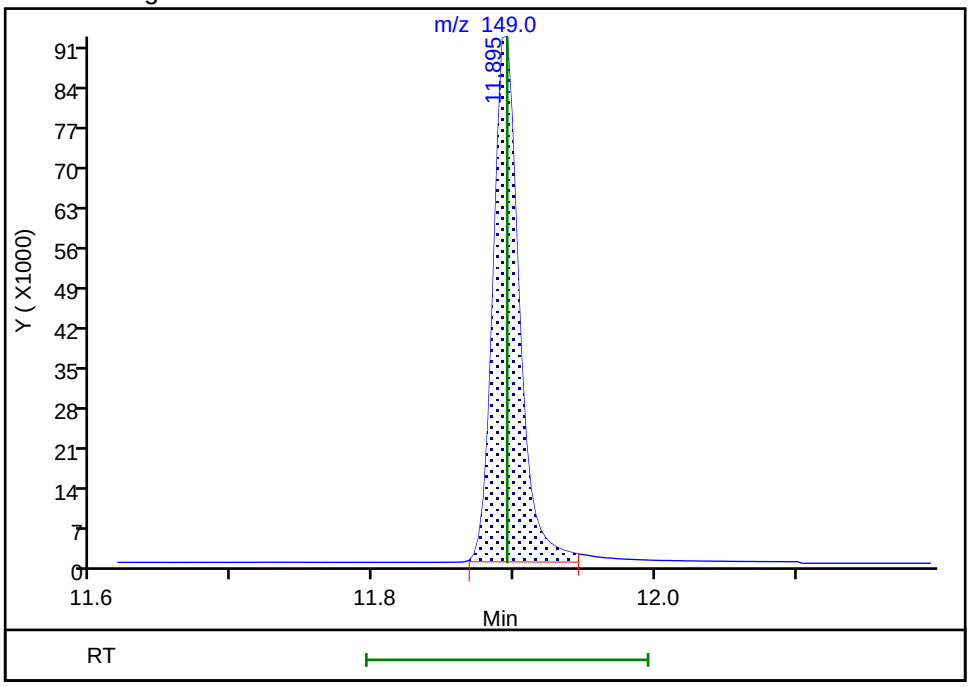
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 118452
Amount: 537.2714
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:02:31
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

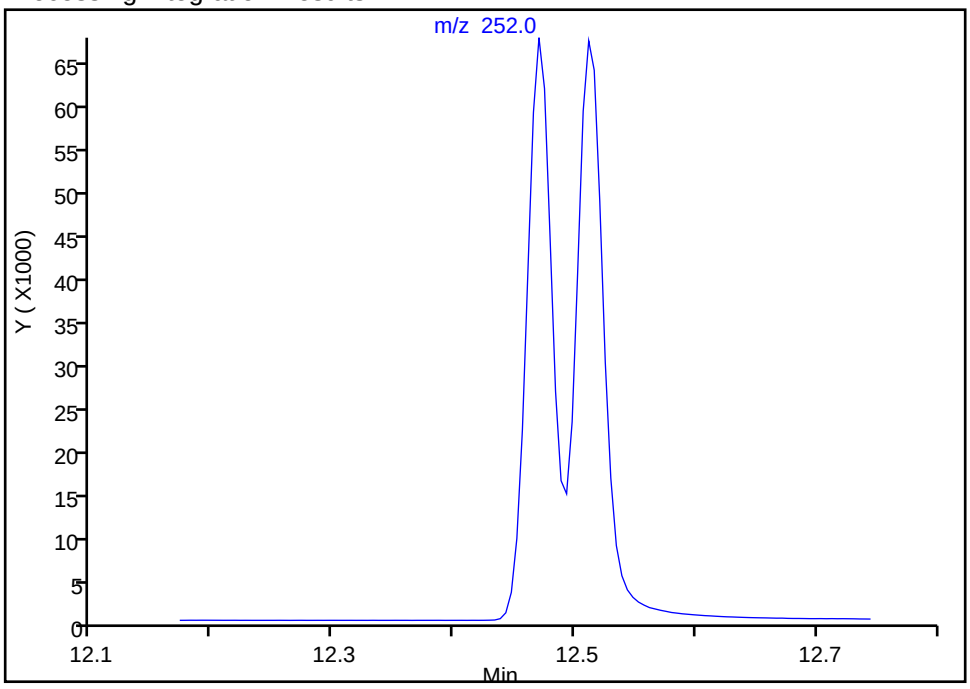
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b018.D				
Injection Date:	14-Jan-2022 02:32:30	Instrument ID:	TAC050		
Lims ID:	std9is				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	8	Worklist Smp#:	8
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

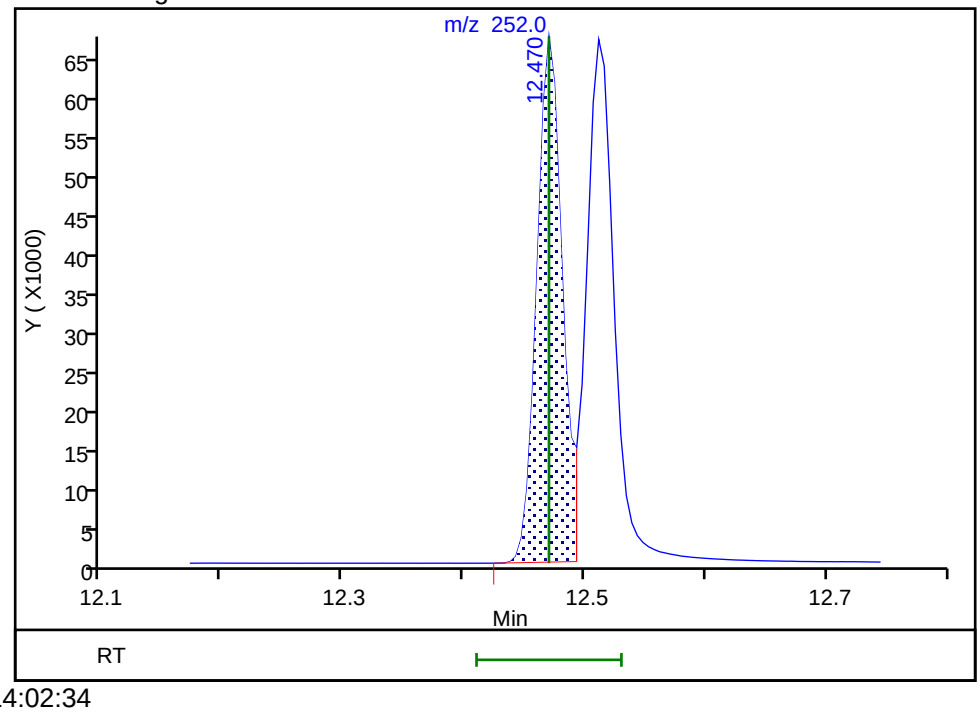
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 97903
Amount: 526.3046
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:02:34
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Lims ID: std8
Client ID:
Sample Type: IC Calib Level: 8
Inject. Date: 14-Jan-2022 02:51:30 ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 8
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:14 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:03:39

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	25824	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	11755	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	18203	100.0	100.0	
* 4 Chrysene-d12	240	11.026	11.030	-0.004	72	14055	100.0	100.0	
* 5 Perylene-d12	264	13.075	13.074	0.001	69	16292	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	29353	200.0	192.1	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	36875	200.0	196.0	Ma
$ 7 2,4,6-Tribromophenol	330	7.628	7.628	0.000	58	5623	200.0	183.4	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	36319	200.0	192.2	
$ 9 Terphenyl-d14	244	9.896	9.896	0.000	95	26958	200.0	184.8	
11 Naphthalene	128	5.189	5.189	0.000	100	52945	200.0	193.8	
12 2-Methylnaphthalene	141	5.841	5.841	0.000	95	29681	200.0	191.6	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	97	28297	200.0	188.6	
14 Acenaphthylene	152	6.717	6.717	0.000	100	48540	200.0	195.3	
15 Acenaphthene	153	6.885	6.884	0.001	96	30250	200.0	194.0	
16 Fluorene	166	7.389	7.389	0.000	97	33656	200.0	193.6	
17 Pentachlorophenol	266	8.126	8.126	0.000	96	4235	400.0	356.7	
18 Phenanthrene	178	8.338	8.342	-0.004	100	45268	200.0	196.9	
19 Anthracene	178	8.389	8.389	0.000	100	44171	200.0	190.3	
20 Fluoranthene	202	9.522	9.522	0.000	52	44105	200.0	194.1	
21 Pyrene	202	9.746	9.746	0.000	52	45971	200.0	192.0	
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	39640	200.0	195.2	M
23 Chrysene	228	11.058	11.057	0.001	98	41189	200.0	194.2	
30 Bis(2-ethylhexyl) phthalate	149	11.892	11.895	-0.003	0	49150	200.0	203.4	Ma
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	97	40711	200.0	190.9	a
25 Benzo[k]fluoranthene	252	12.512	12.511	0.001	95	46936	200.0	196.4	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	41778	200.0	196.3	
27 Indeno[1,2,3-cd]pyrene	276	14.935	14.935	0.000	96	35765	200.0	201.3	M
28 Dibenz(a,h)anthracene	278	14.984	14.984	0.000	96	40164	200.0	195.6	a
29 Benzo[g,h,i]perylene	276	15.423	15.429	-0.006	95	44397	200.0	199.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057	Amount Added: 200.00	Units: uL
8270SIM_IS_00069	Amount Added: 8.00	Units: uL

Report Date: 14-Jan-2022 15:42:14 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D

Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050

Lims ID: std8

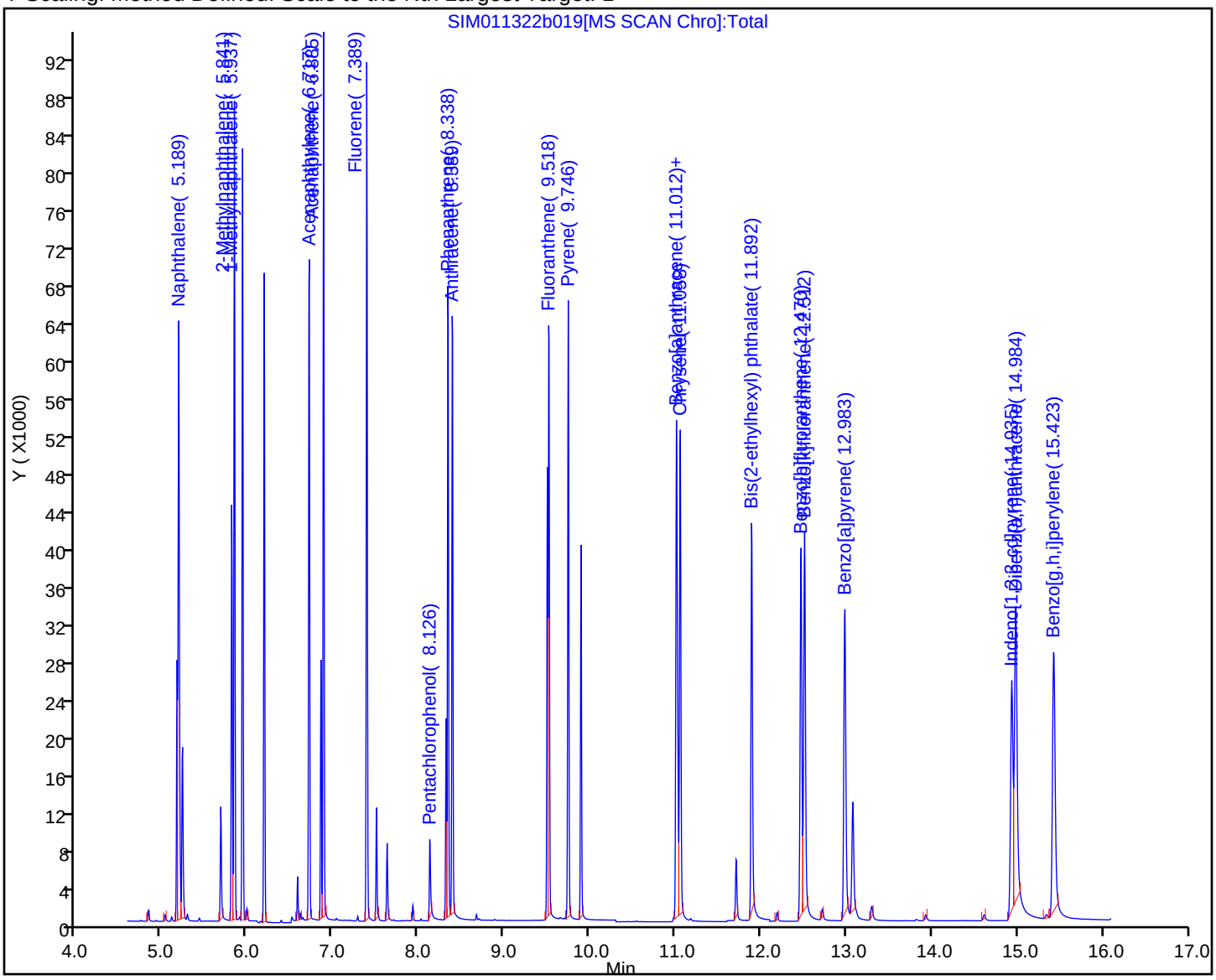
Client ID:

Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

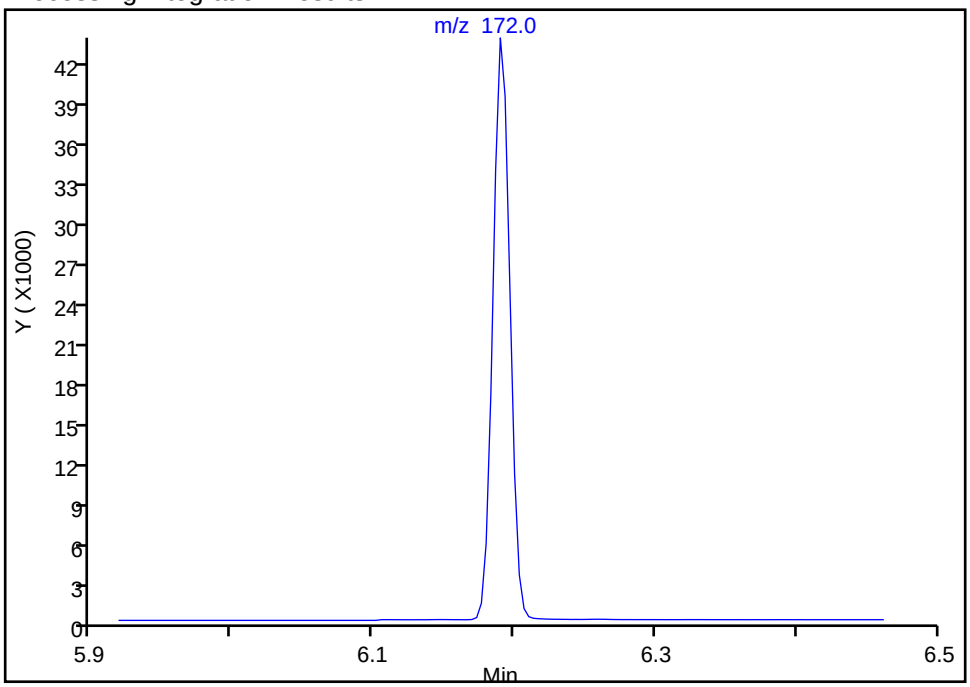
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

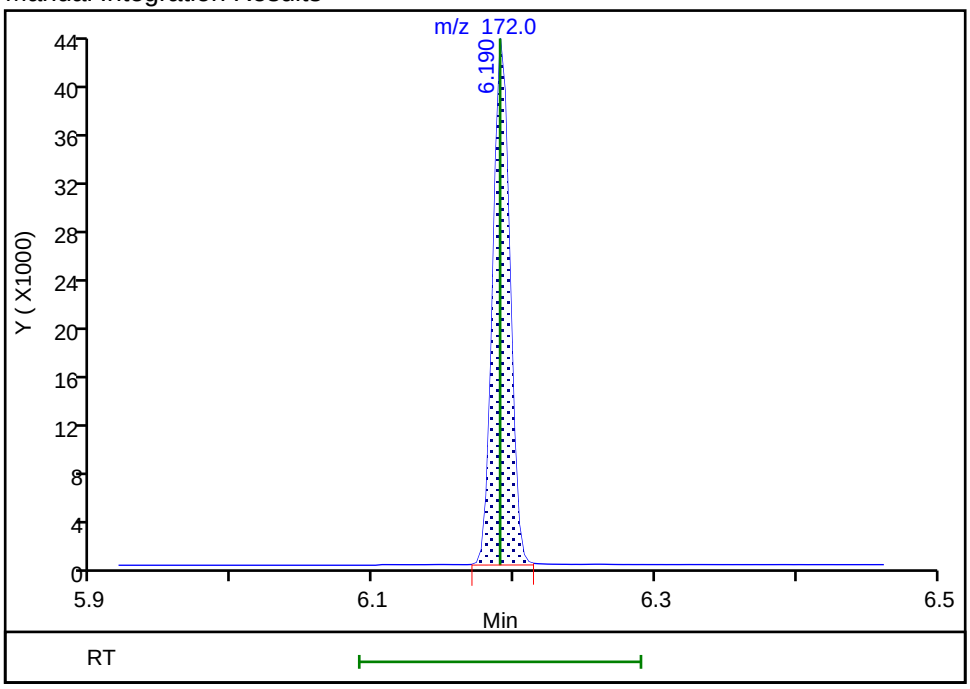
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 36875
Amount: 196.0384
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:07:55
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

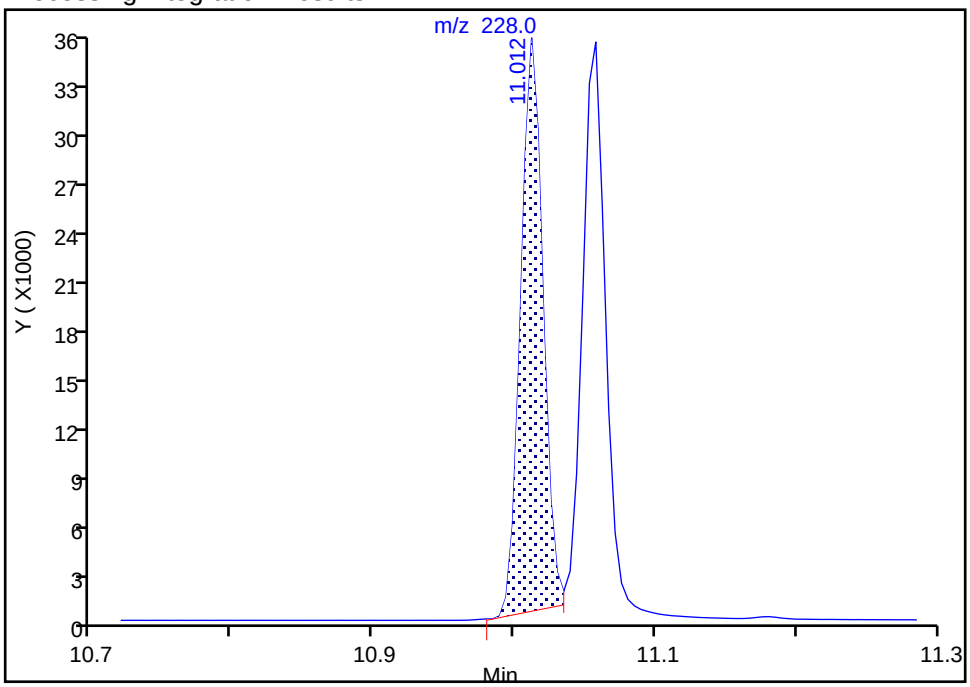
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D				
Injection Date:	14-Jan-2022 02:51:30	Instrument ID:	TAC050		
Lims ID:	std8				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

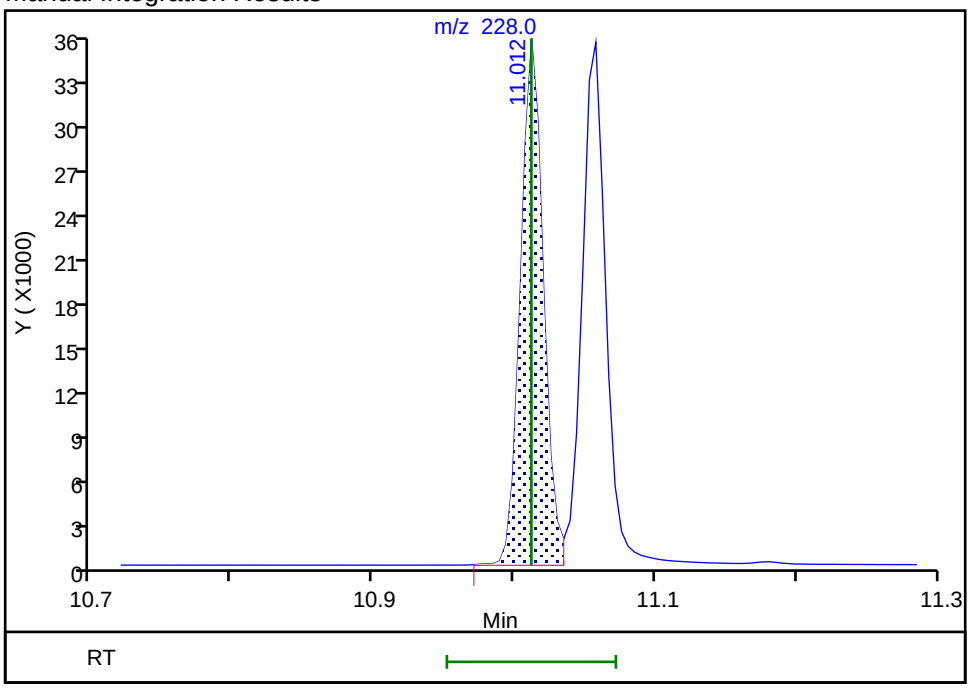
Processing Integration Results

RT: 11.01
Area: 38019
Amount: 186.0820
Amount Units: ug/L



Manual Integration Results

RT: 11.01
Area: 39640
Amount: 195.1530
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:07:24

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

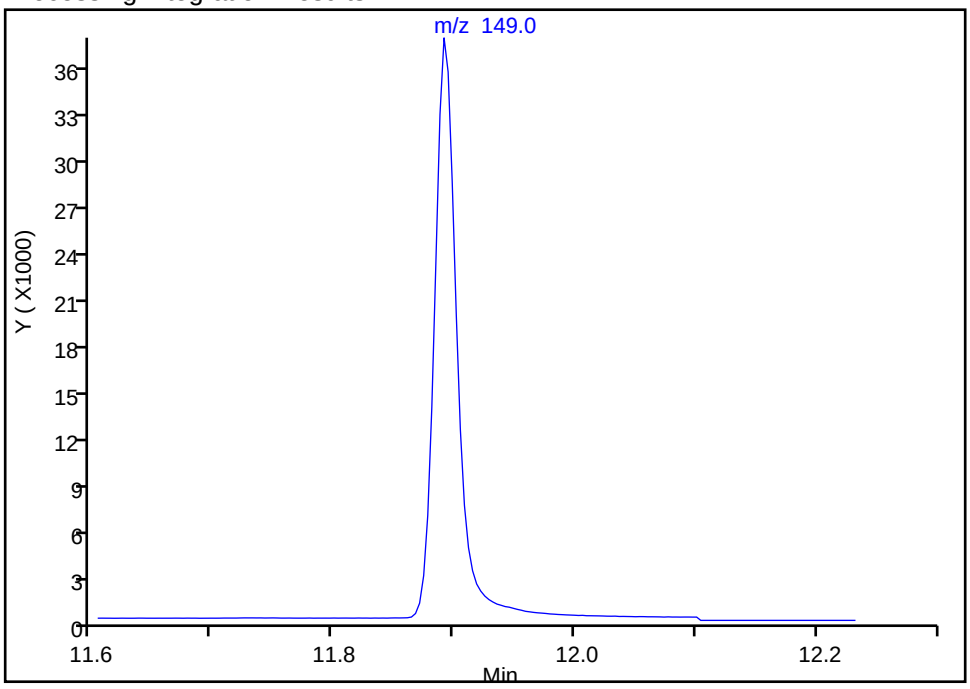
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D				
Injection Date:	14-Jan-2022 02:51:30	Instrument ID:	TAC050		
Lims ID:	std8				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

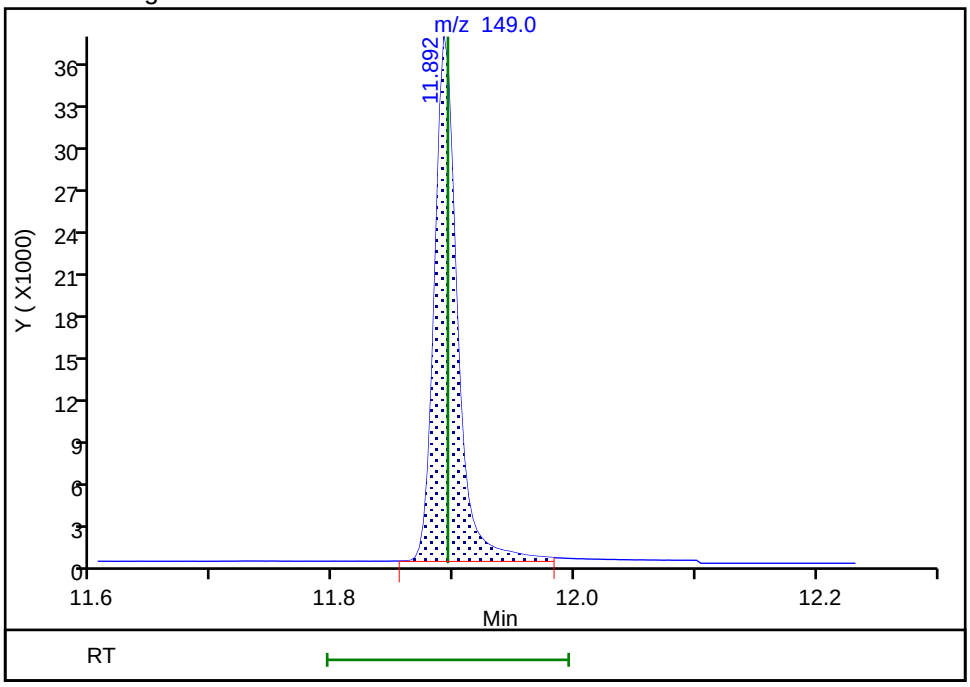
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 49150
Amount: 203.4120
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:07:14
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

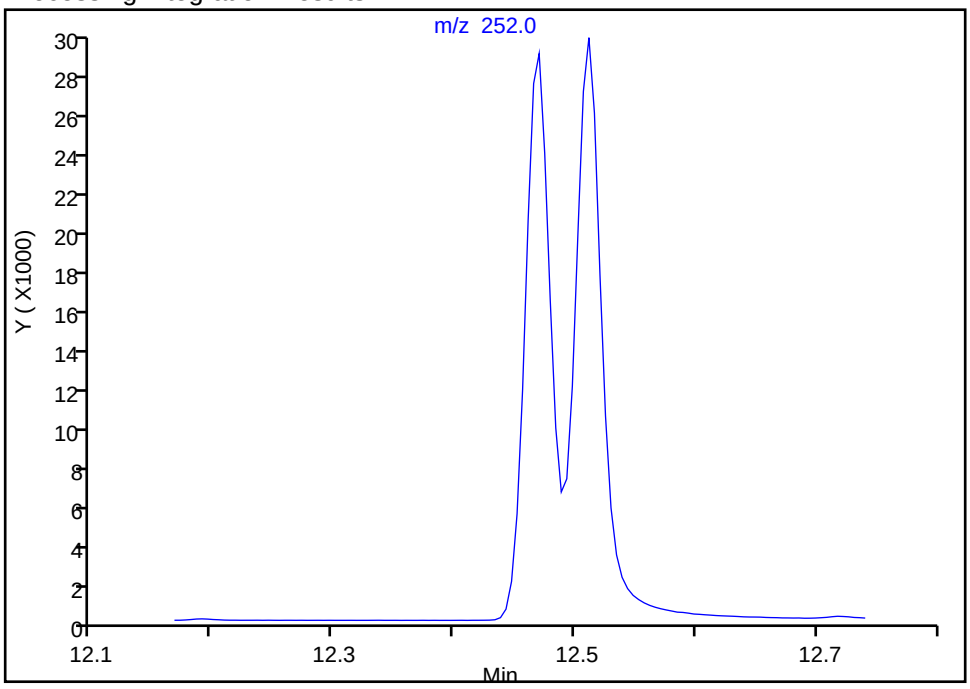
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

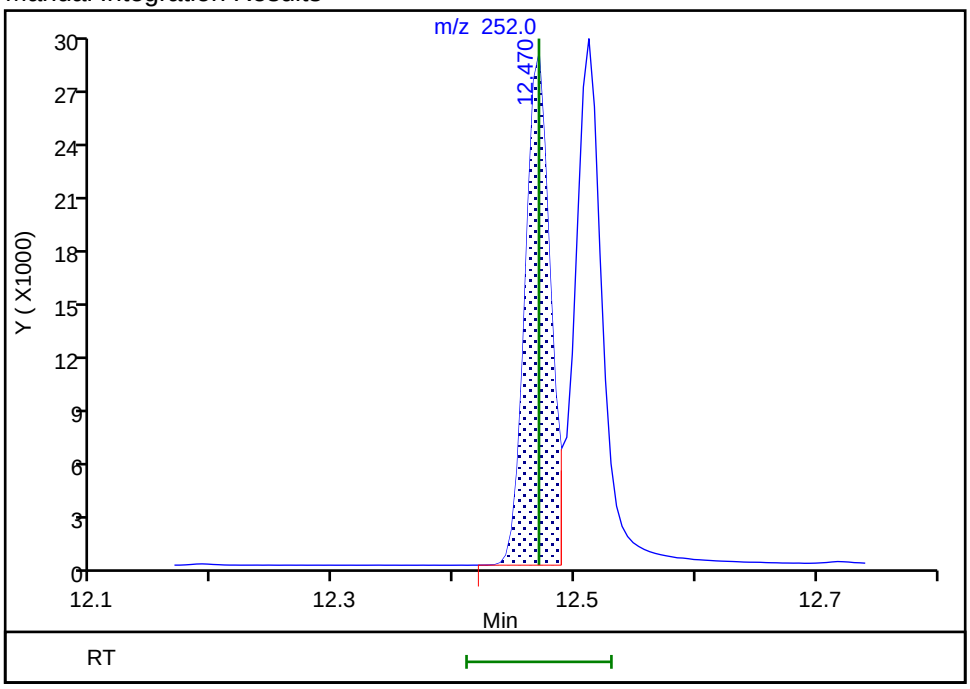
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 40711
Amount: 190.8641
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:06:58
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

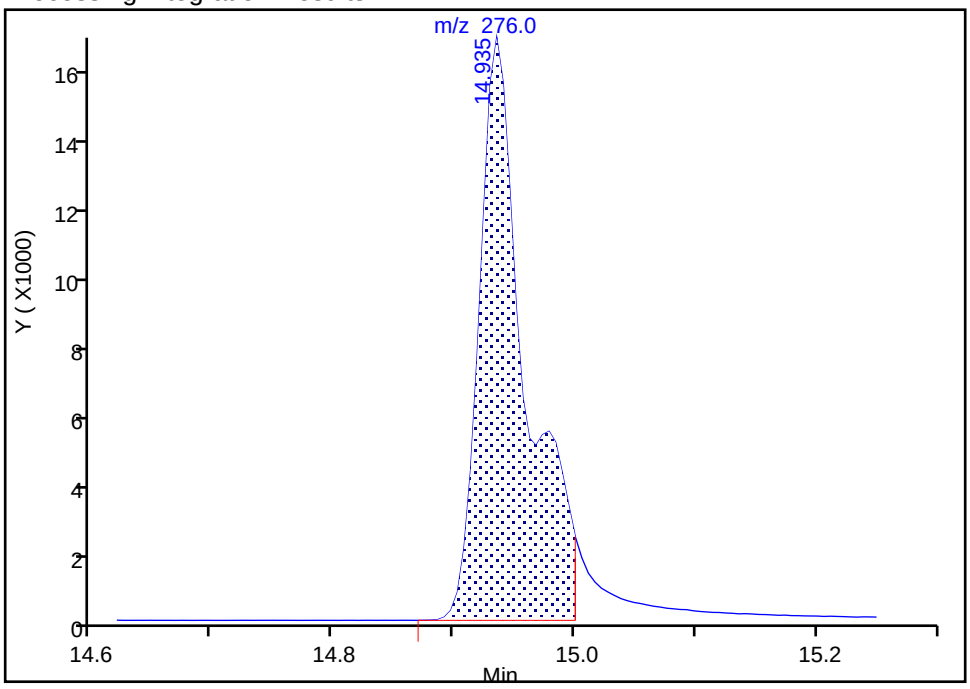
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D
Injection Date: 14-Jan-2022 02:51:30 Instrument ID: TAC050
Lims ID: std8
Client ID:
Operator ID: jcm ALS Bottle#: 9 Worklist Smp#: 9
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

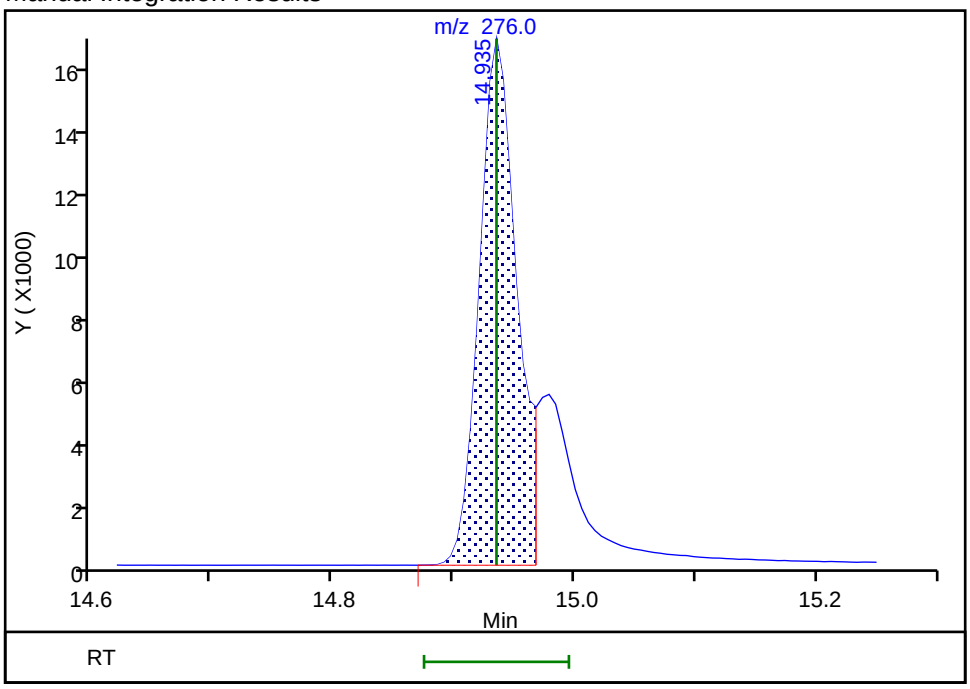
Processing Integration Results

RT: 14.94
Area: 44608
Amount: 227.3977
Amount Units: ug/L



Manual Integration Results

RT: 14.94
Area: 35765
Amount: 201.3281
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:06:50
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

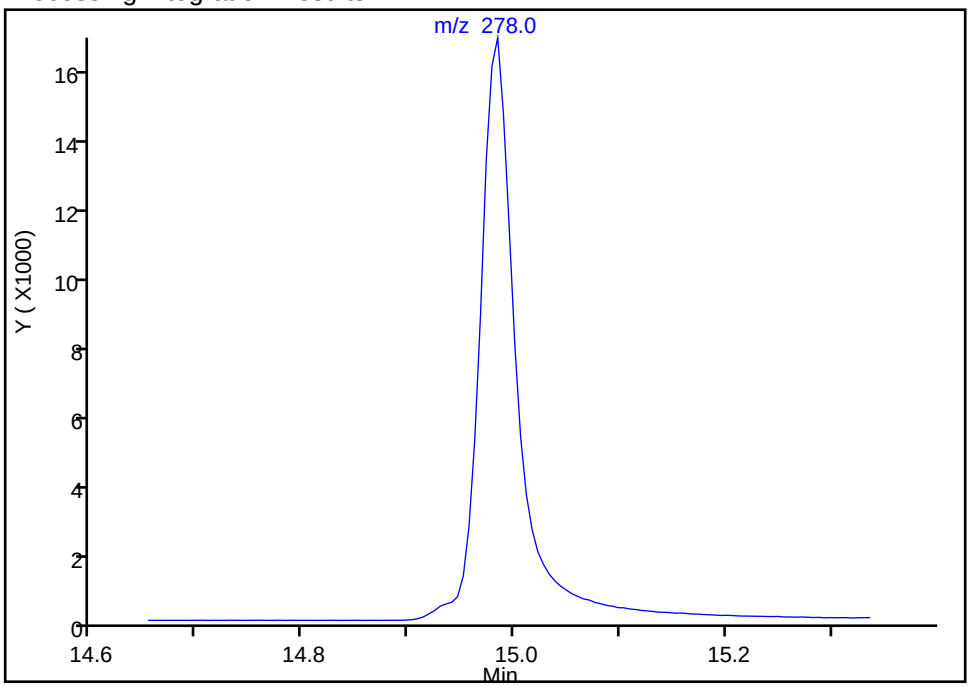
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b019.D				
Injection Date:	14-Jan-2022 02:51:30	Instrument ID:	TAC050		
Lims ID:	std8				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	9	Worklist Smp#:	9
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

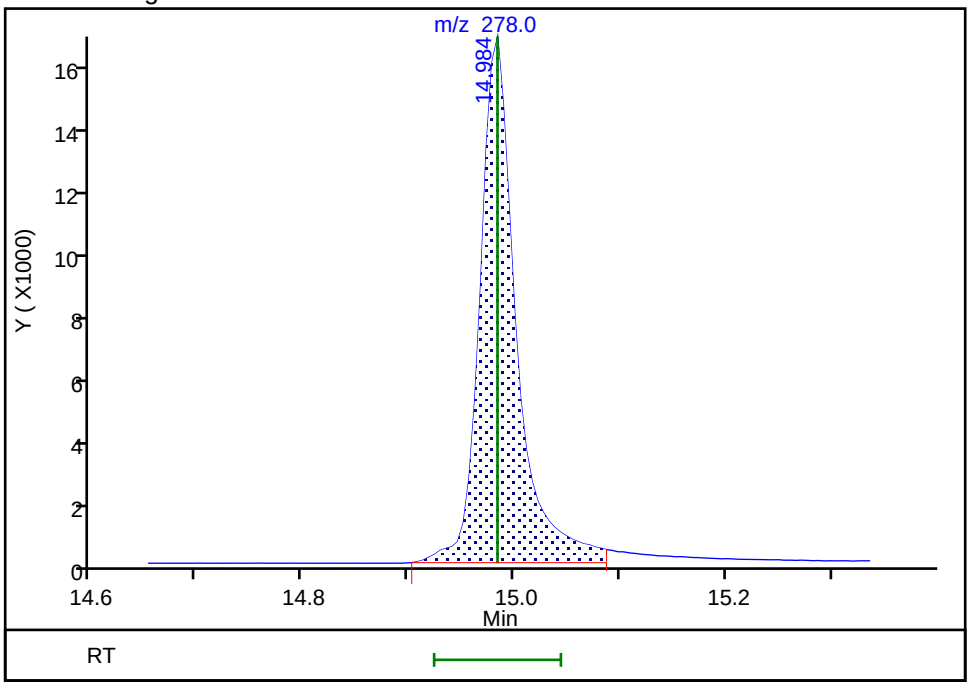
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.98
Area: 40164
Amount: 195.5876
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:06:44
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Lims ID: std7
Client ID:
Sample Type: IC Calib Level: 7
Inject. Date: 14-Jan-2022 03:10:30 ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 7
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:06 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: boylea Date: 14-Jan-2022 15:42:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	22864	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	10427	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	16638	100.0	100.0	
* 4 Chrysene-d12	240	11.026	11.030	-0.004	62	13251	100.0	100.0	
* 5 Perylene-d12	264	13.074	13.074	0.000	69	15589	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	13403	100.0	99.1	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	16655	100.0	99.8	M
$ 7 2,4,6-Tribromophenol	330	7.628	7.628	0.000	59	2462	100.0	93.5	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	17571	100.0	101.2	
$ 9 Terphenyl-d14	244	9.896	9.896	0.000	95	13020	100.0	97.6	
11 Naphthalene	128	5.189	5.189	0.000	100	24209	100.0	100.1	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	95	13602	100.0	99.2	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	12942	100.0	97.4	
14 Acenaphthylene	152	6.717	6.717	0.000	100	21750	100.0	98.7	
15 Acenaphthene	153	6.884	6.884	0.000	96	13549	100.0	97.9	
16 Fluorene	166	7.389	7.389	0.000	98	15017	100.0	97.4	
17 Pentachlorophenol	266	8.130	8.126	0.004	99	1359	200.0	179.0	M
18 Phenanthrene	178	8.342	8.342	0.000	100	21252	100.0	100.6	
19 Anthracene	178	8.393	8.389	0.004	100	20551	100.0	96.4	
20 Fluoranthene	202	9.522	9.522	0.000	52	21157	100.0	101.3	
21 Pyrene	202	9.746	9.746	0.000	52	23304	100.0	105.9	a
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	19122	100.0	99.2	
23 Chrysene	228	11.058	11.057	0.001	99	19950	100.0	99.0	
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	23812	100.0	105.0	Ma
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	97	20162	100.0	98.4	Ma
25 Benzo[k]fluoranthene	252	12.511	12.511	0.000	95	21829	100.0	95.1	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	19766	100.0	96.7	
27 Indeno[1,2,3-cd]pyrene	276	14.935	14.935	0.000	96	16508	100.0	97.4	M
28 Dibenz(a,h)anthracene	278	14.984	14.984	0.000	96	17159	100.0	87.0	a
29 Benzo[g,h,i]perylene	276	15.429	15.429	0.000	95	20616	100.0	96.4	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_8270_1000_00057	Amount Added: 100.00	Units: uL
8270SIM_IS_00069	Amount Added: 9.00	Units: uL

Report Date: 14-Jan-2022 15:42:06 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D

Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050

Lims ID: std7

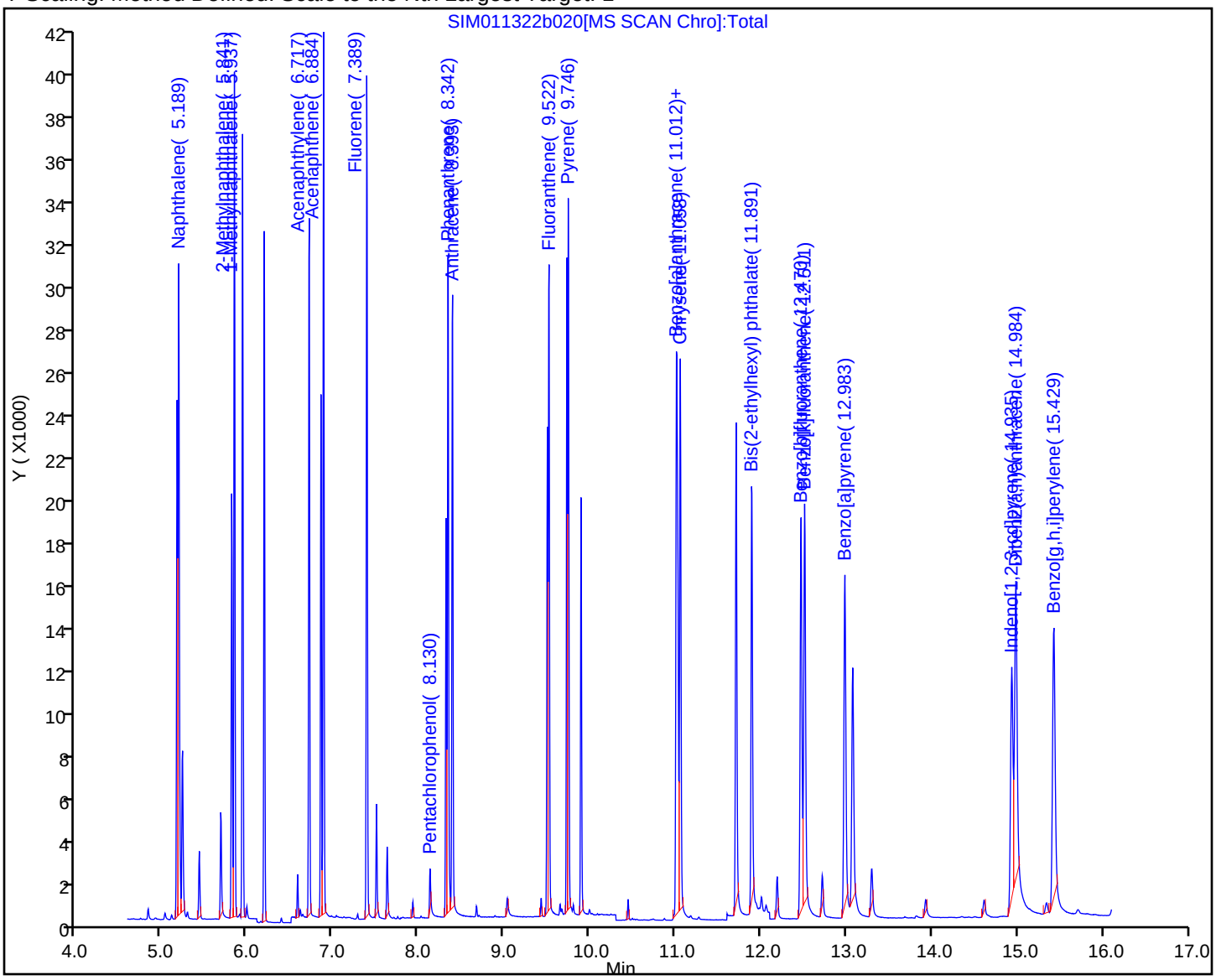
Client ID:

Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

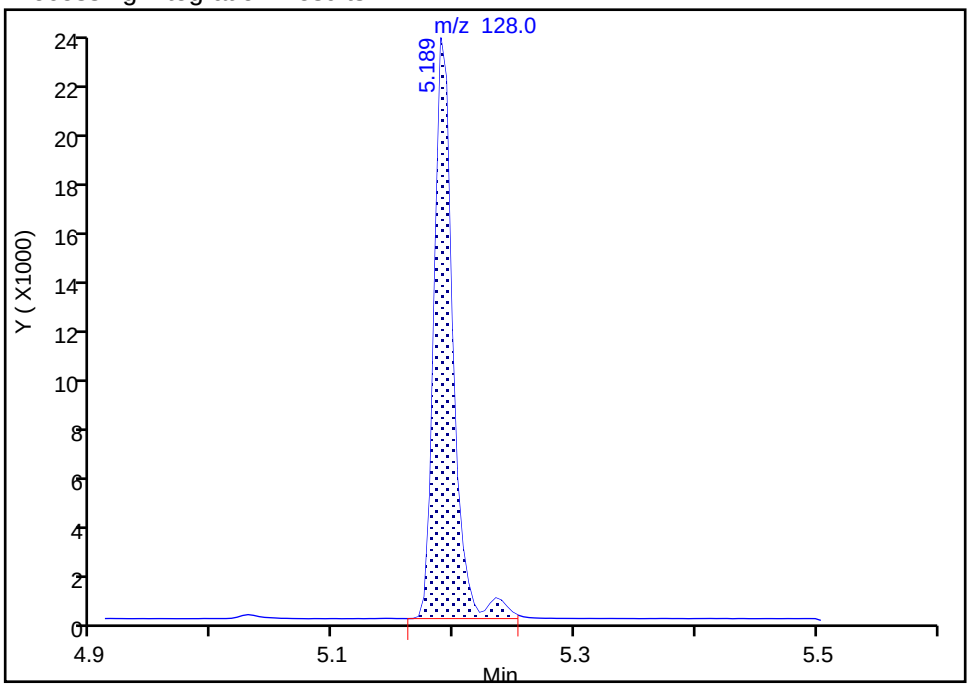
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

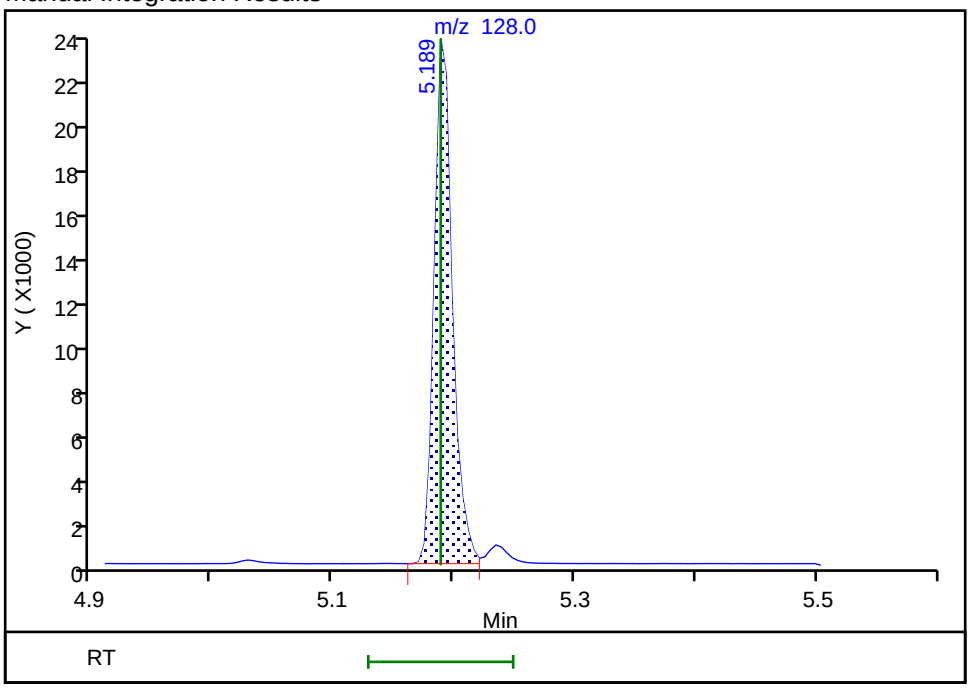
Processing Integration Results

RT: 5.19
Area: 25141
Amount: 102.4086
Amount Units: ug/L



Manual Integration Results

RT: 5.19
Area: 24209
Amount: 100.1110
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:12:30
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins Seattle

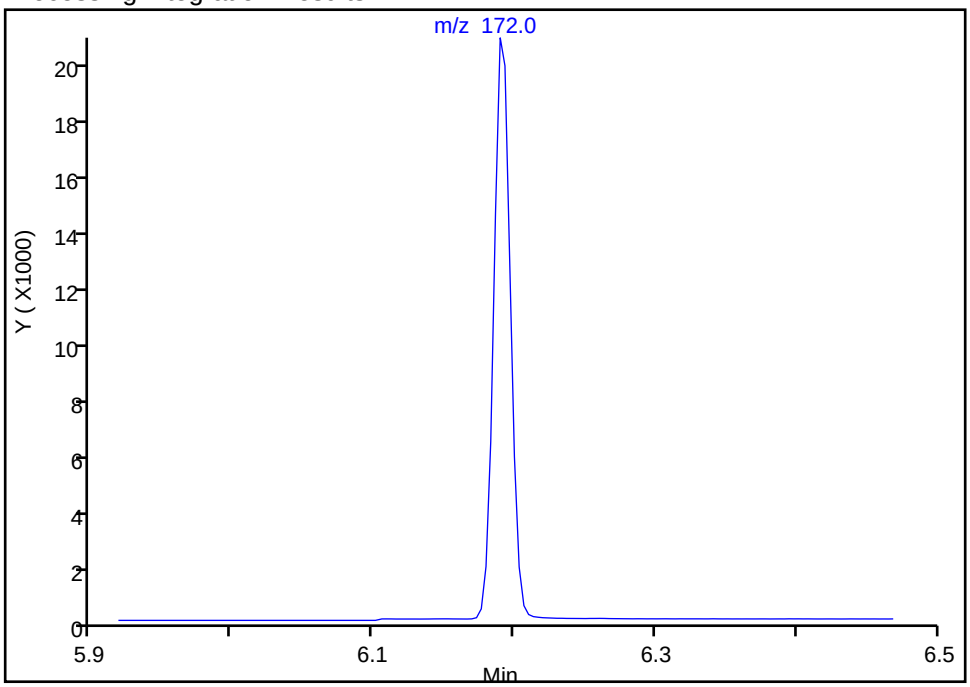
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D				
Injection Date:	14-Jan-2022 03:10:30	Instrument ID:	TAC050		
Lims ID:	std7				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

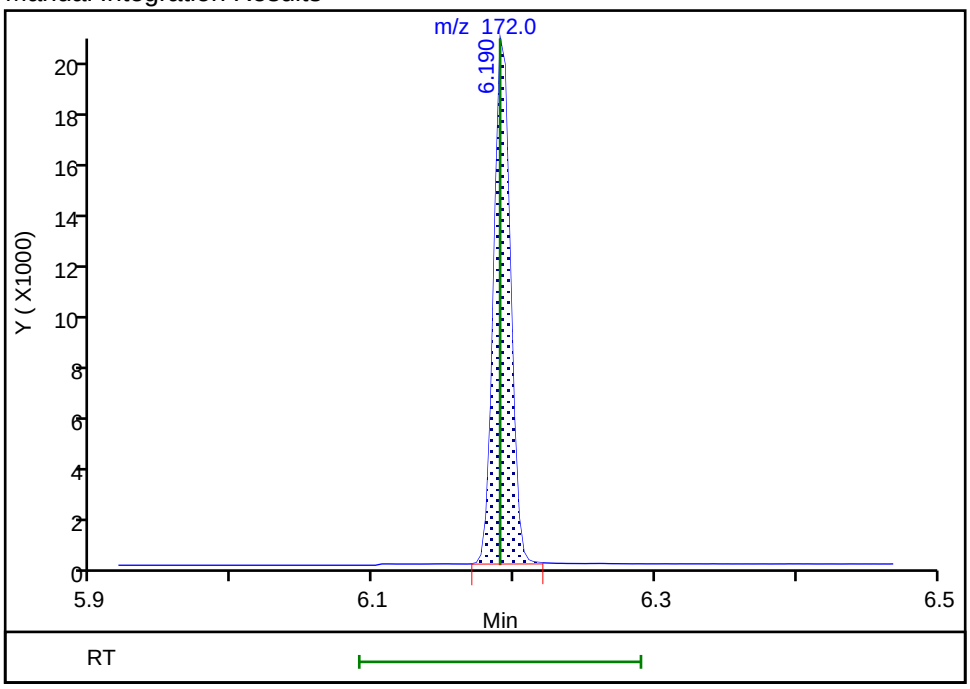
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 16655
Amount: 99.819865
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:12:16
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

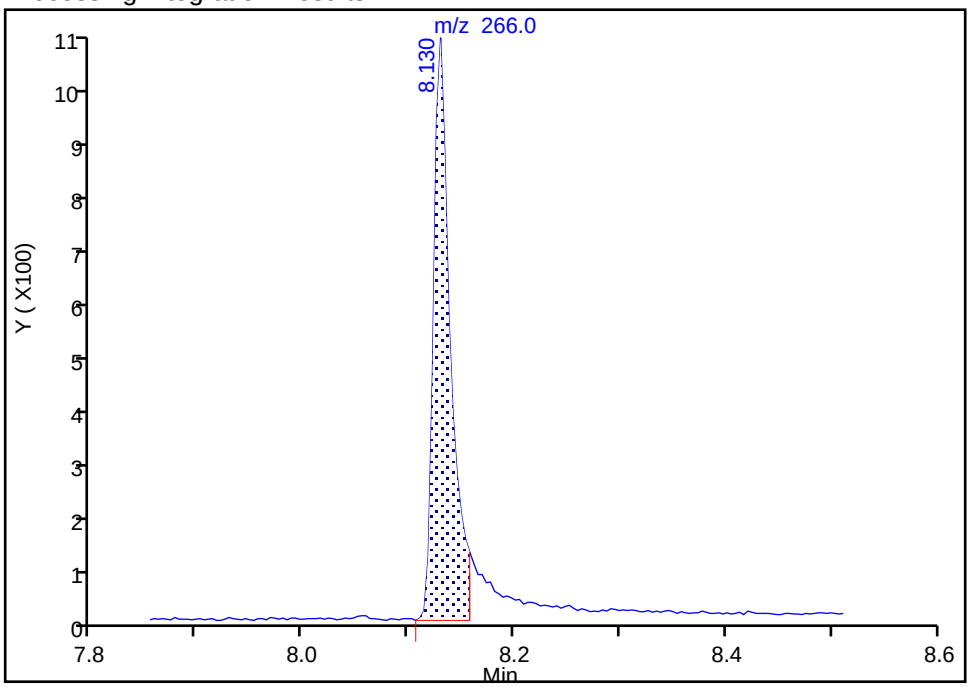
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D				
Injection Date:	14-Jan-2022 03:10:30	Instrument ID:	TAC050		
Lims ID:	std7				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

17 Pentachlorophenol, CAS: 87-86-5

Signal: 1

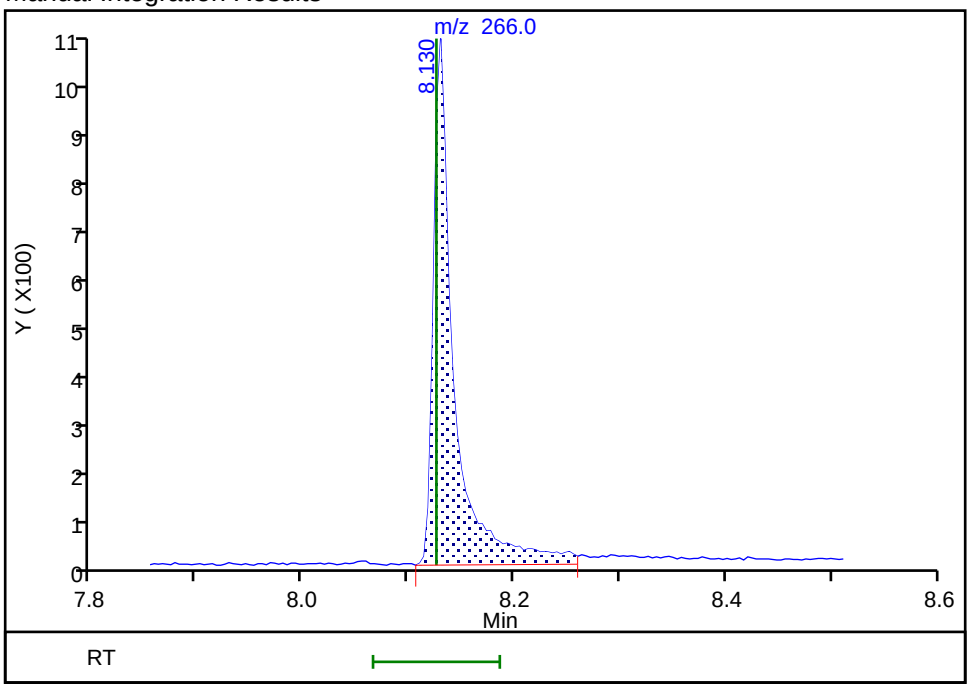
Processing Integration Results

RT: 8.13
Area: 1114
Amount: 366.3377
Amount Units: ug/L



Manual Integration Results

RT: 8.13
Area: 1359
Amount: 178.9521
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:12:45

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

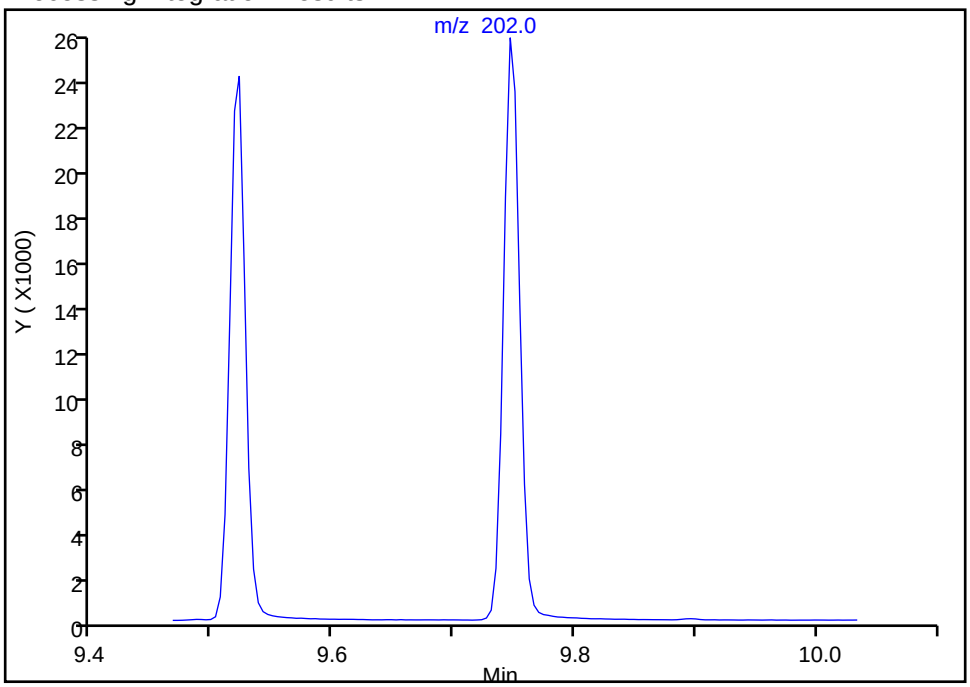
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

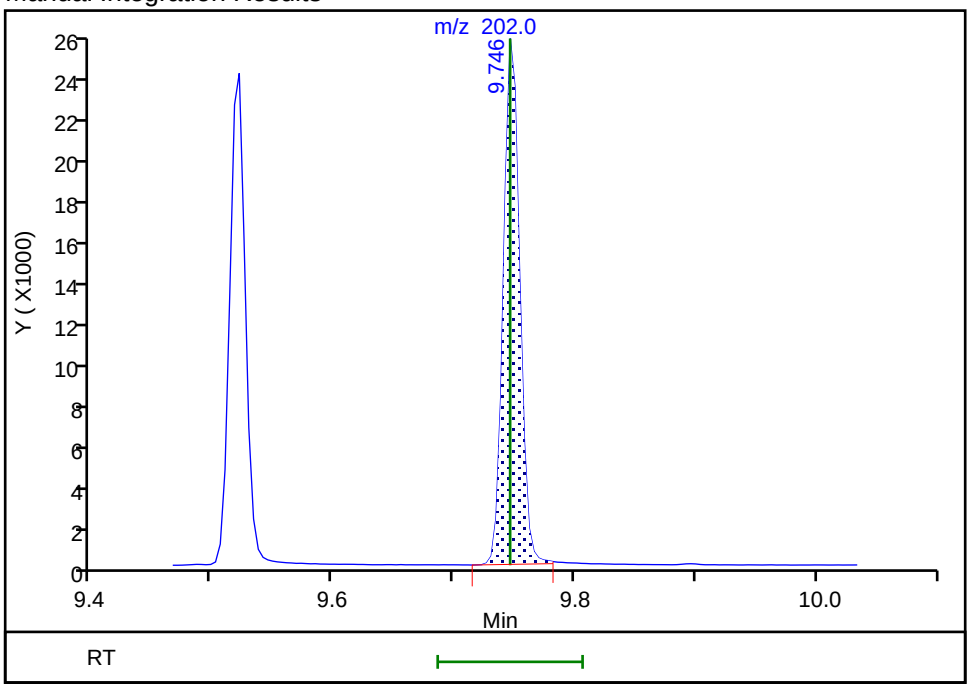
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 23304
Amount: 105.9194
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:12:50
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

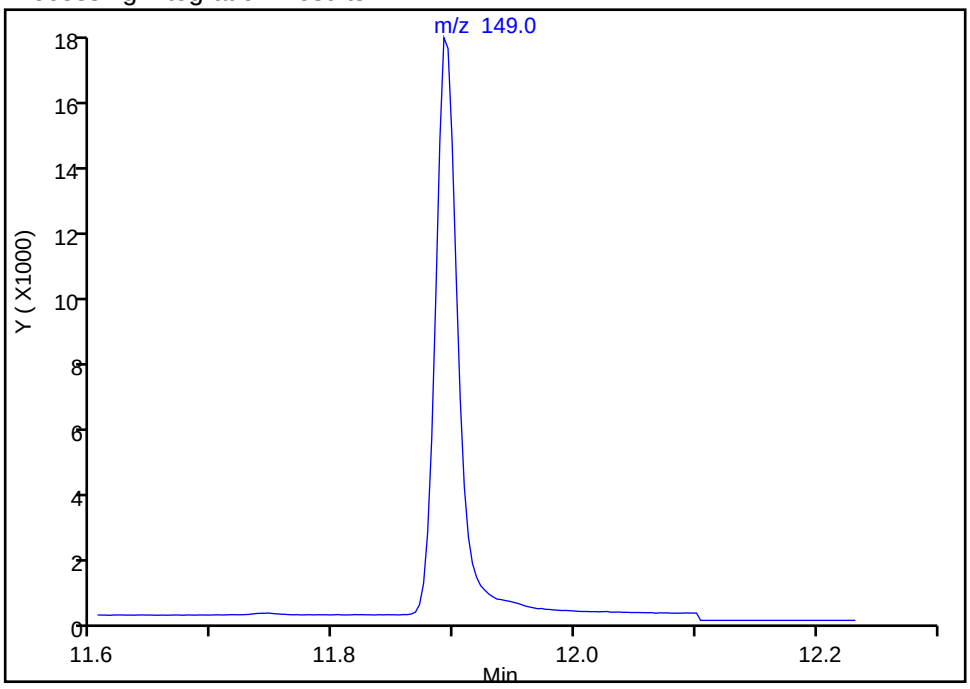
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D				
Injection Date:	14-Jan-2022 03:10:30	Instrument ID:	TAC050		
Lims ID:	std7				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

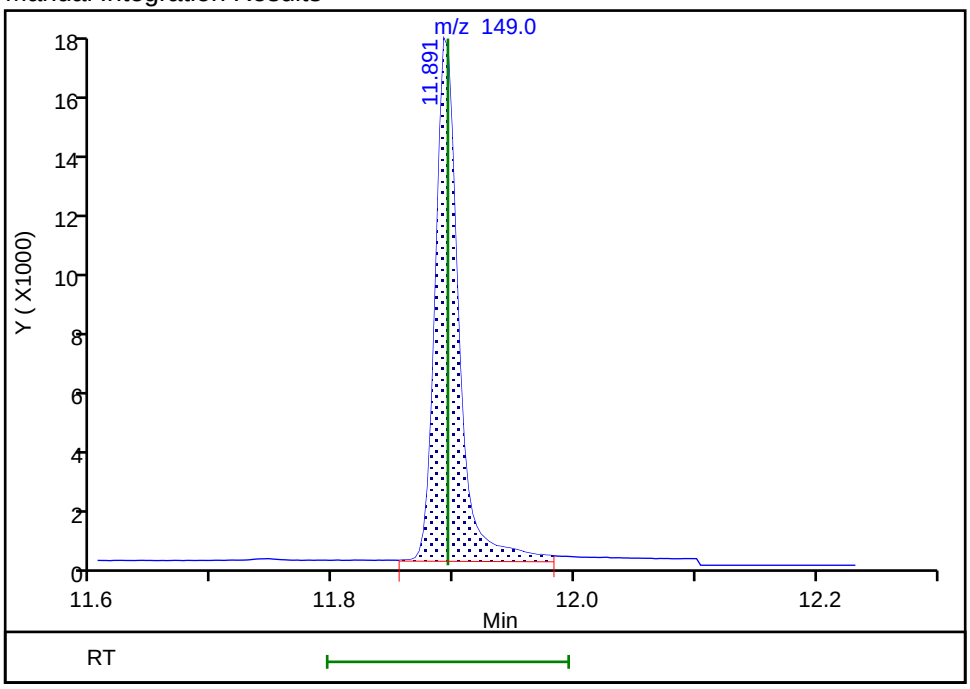
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 23812
Amount: 105.0054
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:13:08
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

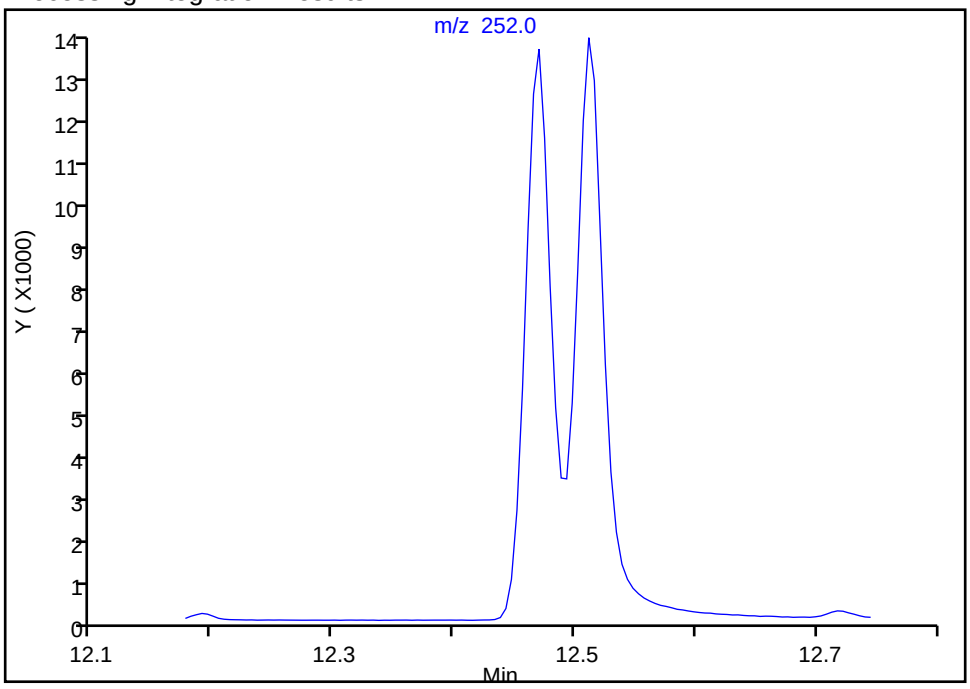
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D				
Injection Date:	14-Jan-2022 03:10:30	Instrument ID:	TAC050		
Lims ID:	std7				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

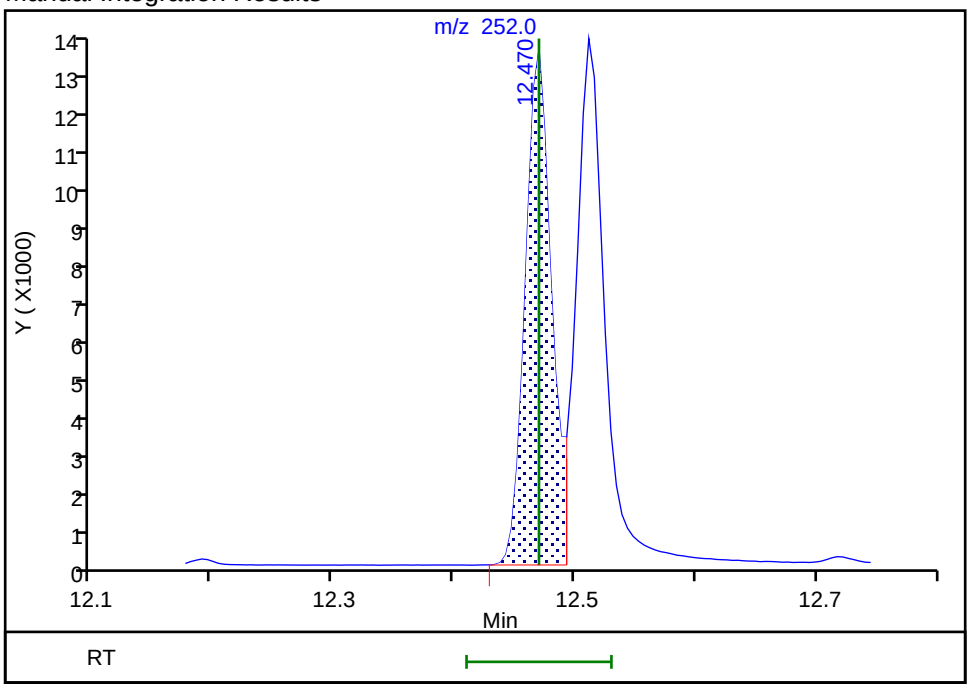
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 20162
Amount: 98.394676
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:13:36
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

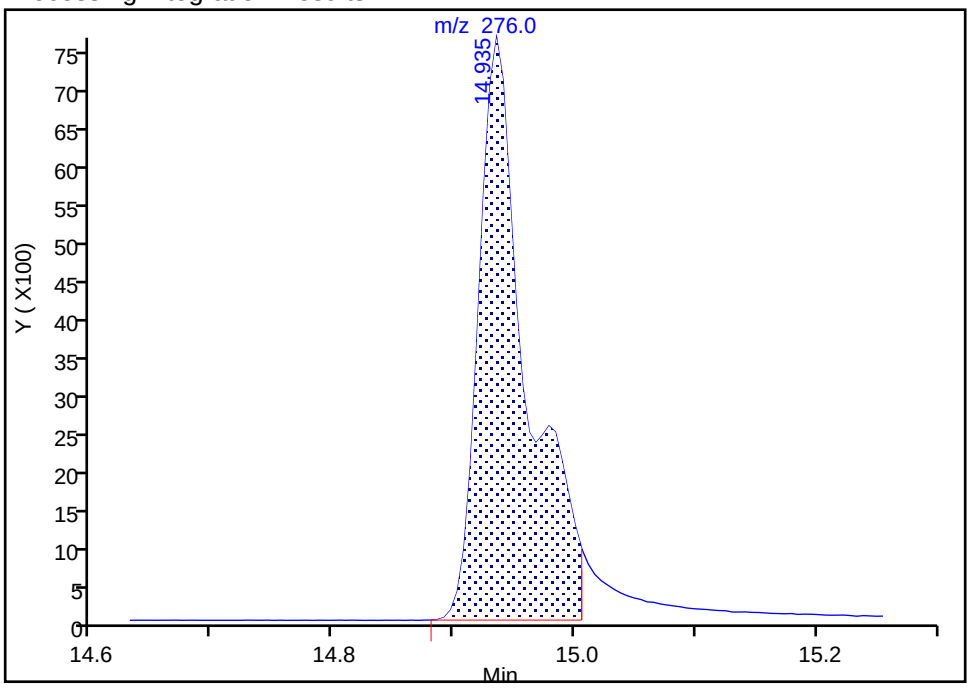
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D				
Injection Date:	14-Jan-2022 03:10:30	Instrument ID:	TAC050		
Lims ID:	std7				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	10	Worklist Smp#:	10
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

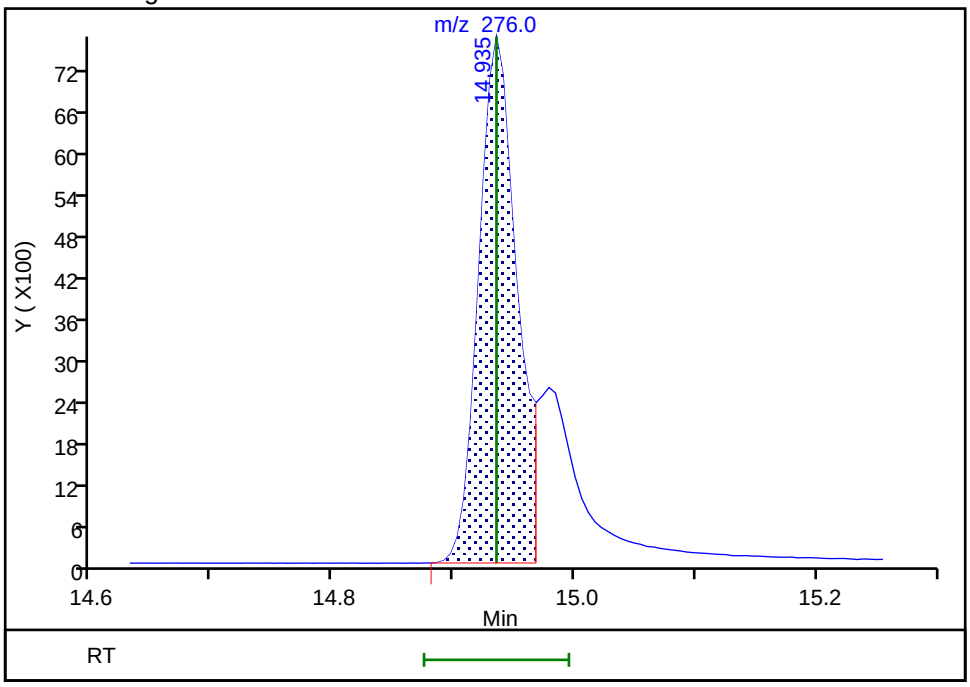
Processing Integration Results

RT: 14.94
Area: 21055
Amount: 112.4300
Amount Units: ug/L



Manual Integration Results

RT: 14.94
Area: 16508
Amount: 97.368934
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:13:47
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

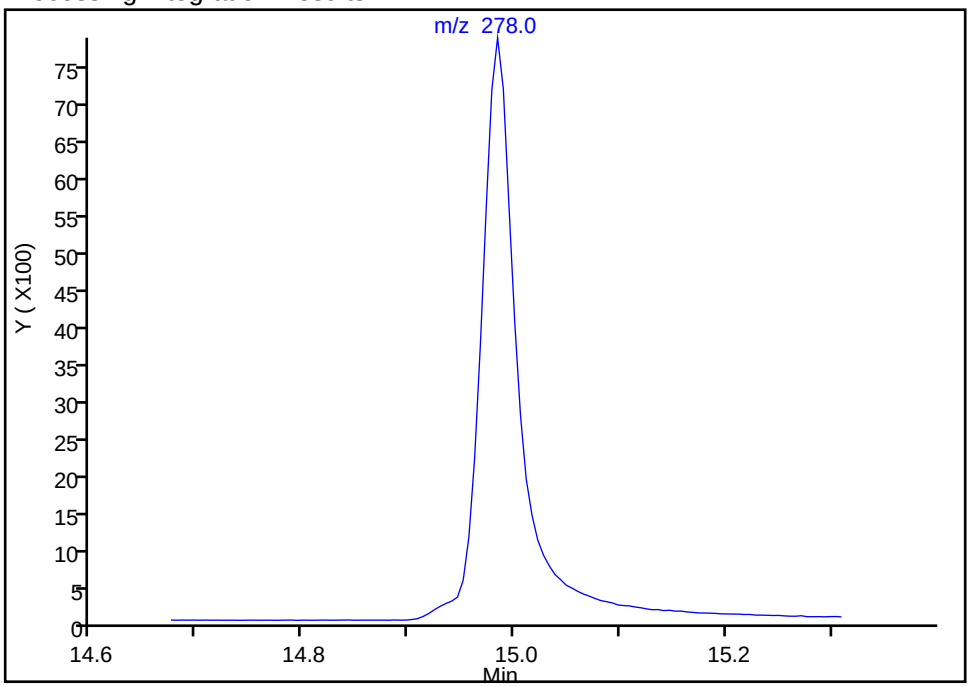
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b020.D
Injection Date: 14-Jan-2022 03:10:30 Instrument ID: TAC050
Lims ID: std7
Client ID:
Operator ID: jcm ALS Bottle#: 10 Worklist Smp#: 10
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

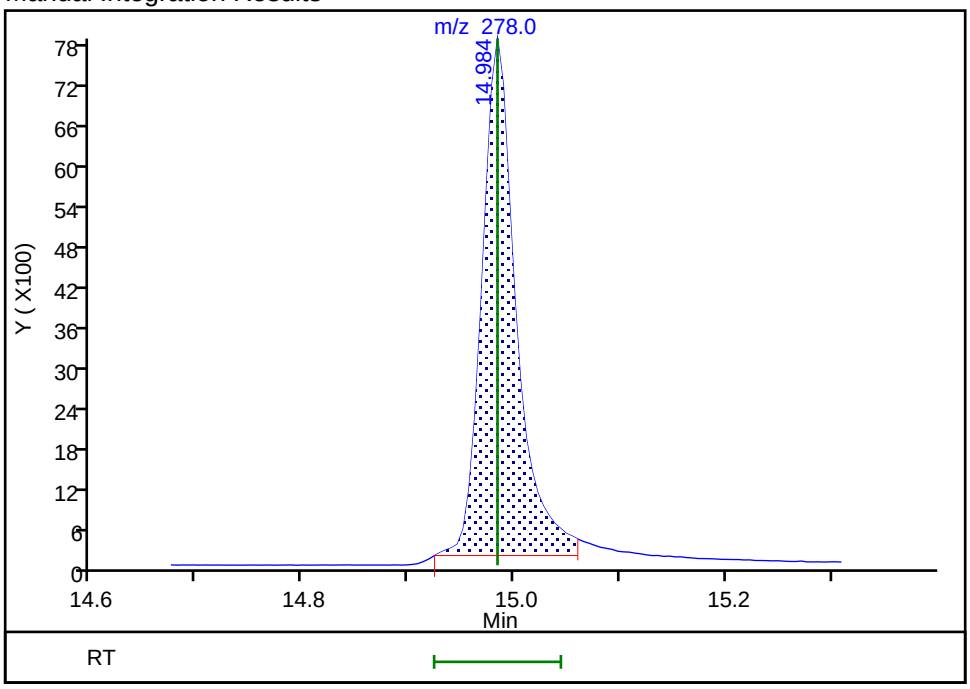
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.98
Area: 17159
Amount: 86.993762
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:13:50
Audit Action: Assigned Compound ID Audit Reason: Split Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Lims ID: std6
Client ID:
Sample Type: IC Calib Level: 6
Inject. Date: 14-Jan-2022 03:29:30 ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 6
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:15 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:06:06

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	21416	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	71	9708	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14771	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	52	11375	100.0	100.0	
* 5 Perylene-d12	264	13.074	13.074	0.000	69	13641	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	6298	50.0	49.7	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	7866	50.0	50.6	M
$ 7 2,4,6-Tribromophenol	330	7.632	7.628	0.004	58	941	50.0	41.7	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	7543	50.0	48.3	
$ 9 Terphenyl-d14	244	9.900	9.896	0.004	95	5408	50.0	45.7	
11 Naphthalene	128	5.189	5.189	0.000	100	11320	50.0	50.0	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	6407	50.0	49.9	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	6120	50.0	49.2	
14 Acenaphthylene	152	6.717	6.717	0.000	100	10119	50.0	49.3	
15 Acenaphthene	153	6.884	6.884	0.000	96	6356	50.0	49.3	
16 Fluorene	166	7.389	7.389	0.000	97	6796	50.0	47.3	
17 Pentachlorophenol	266	8.134	8.126	0.008	97	304	100.0	107.1	M
18 Phenanthrene	178	8.342	8.342	0.000	100	9336	50.0	49.2	
19 Anthracene	178	8.393	8.389	0.004	100	9222	50.0	48.3	
20 Fluoranthene	202	9.522	9.522	0.000	52	9180	50.0	48.9	
21 Pyrene	202	9.746	9.746	0.000	52	9389	50.0	47.4	
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	7909	50.0	47.1	
23 Chrysene	228	11.058	11.057	0.001	99	8840	50.0	50.4	
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	9999	50.0	51.2	M
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	8556	50.0	47.3	Ma
25 Benzo[k]fluoranthene	252	12.511	12.511	0.000	95	9574	50.0	47.3	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	8346	50.0	46.2	
27 Indeno[1,2,3-cd]pyrene	276	14.940	14.935	0.005	96	6730	50.0	45.5	M
28 Dibenz(a,h)anthracene	278	14.989	14.984	0.005	96	8317	50.0	47.9	Ma
29 Benzo[g,h,i]perylene	276	15.429	15.429	0.000	96	8933	50.0	47.4	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270ccvl_50_00039 Amount Added: 1.00 Units: mL

Report Date: 14-Jan-2022 15:42:16 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D

Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050

Lims ID: std6

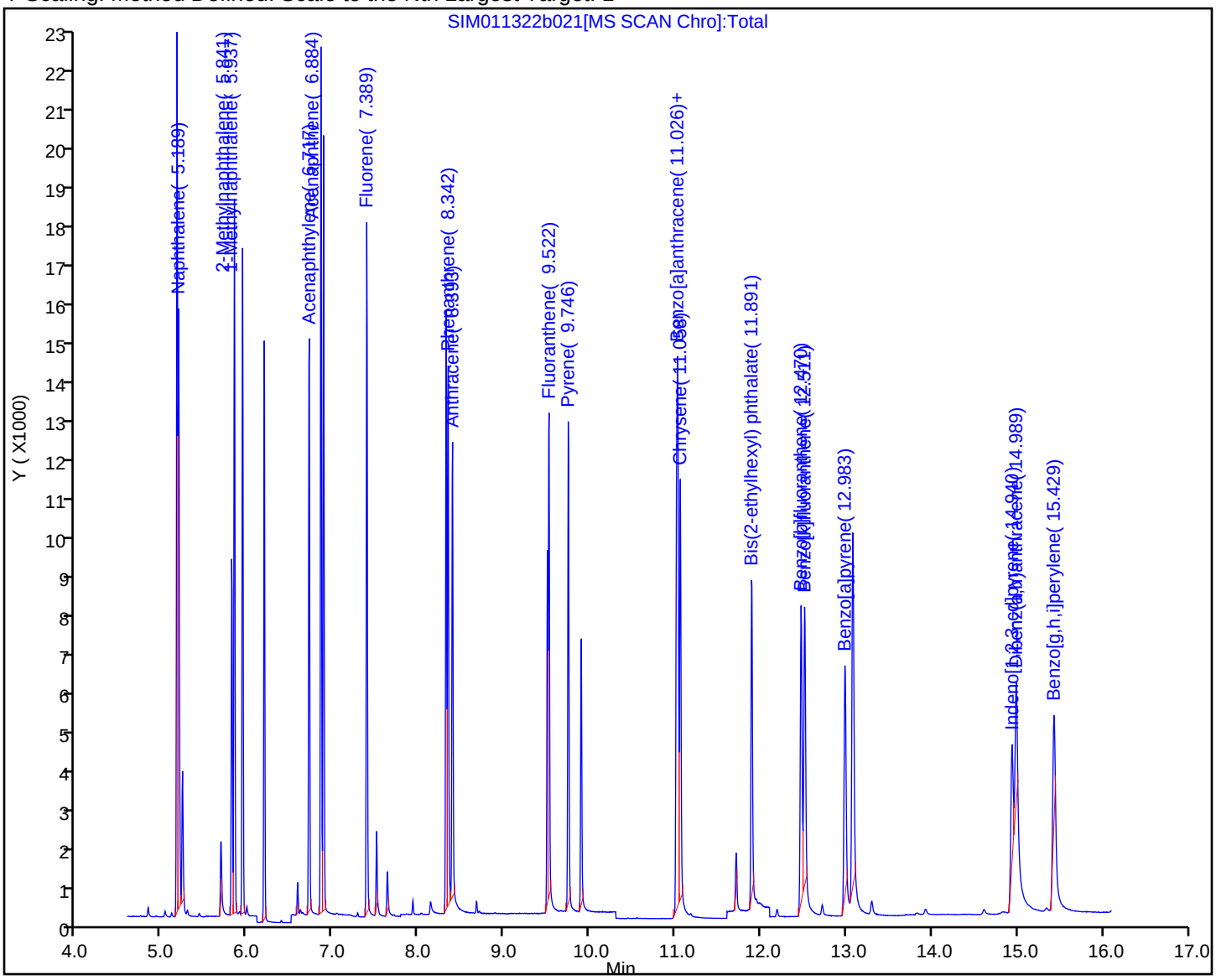
Client ID:

Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

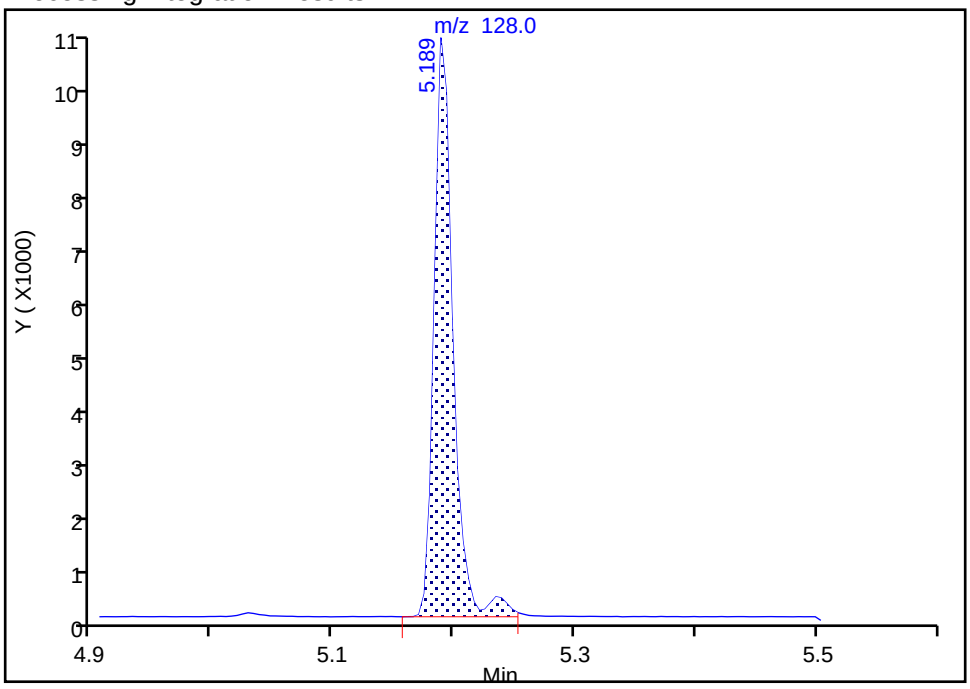
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

11 Naphthalene, CAS: 91-20-3

Signal: 1

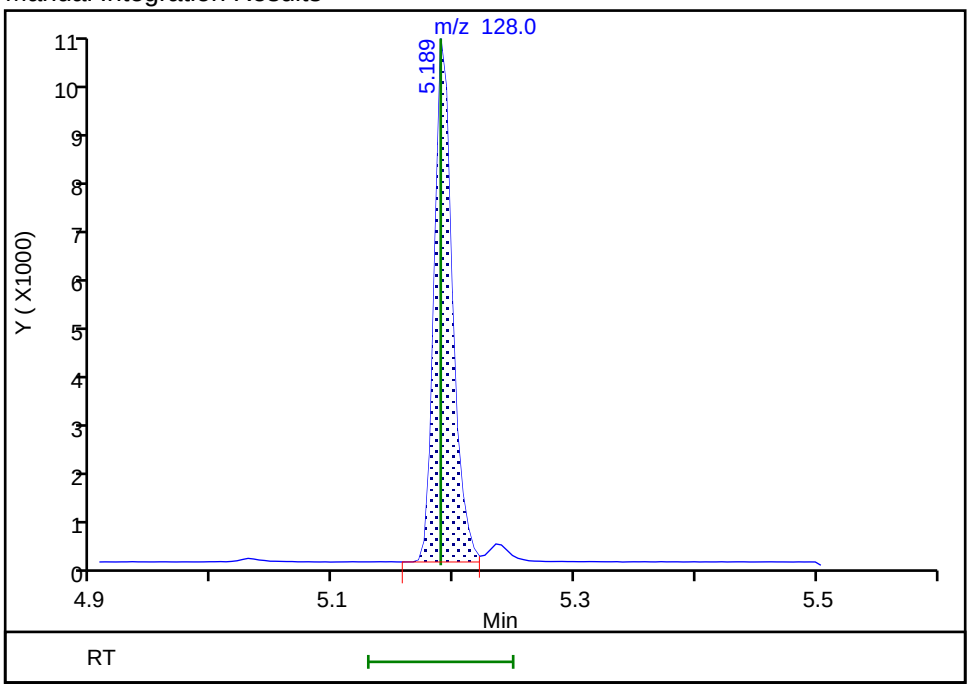
Processing Integration Results

RT: 5.19
Area: 11759
Amount: 51.265537
Amount Units: ug/L



Manual Integration Results

RT: 5.19
Area: 11320
Amount: 49.976441
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:15:29
Audit Action: Split an Integrated Peak Audit Reason: Shouldering

Manual Integration/User Assign Peak Report

Eurofins Seattle

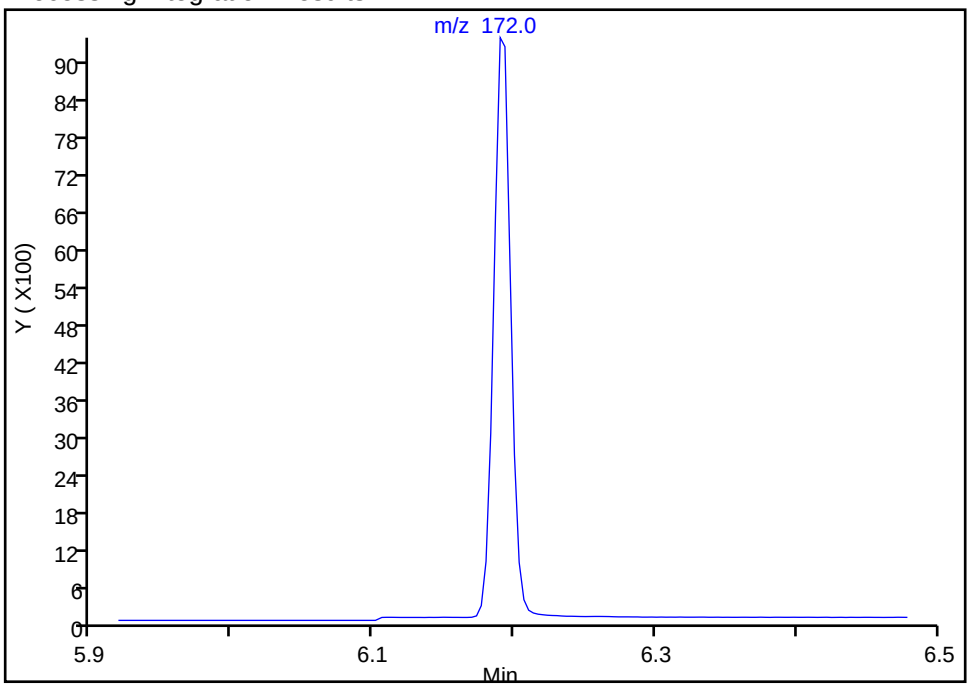
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

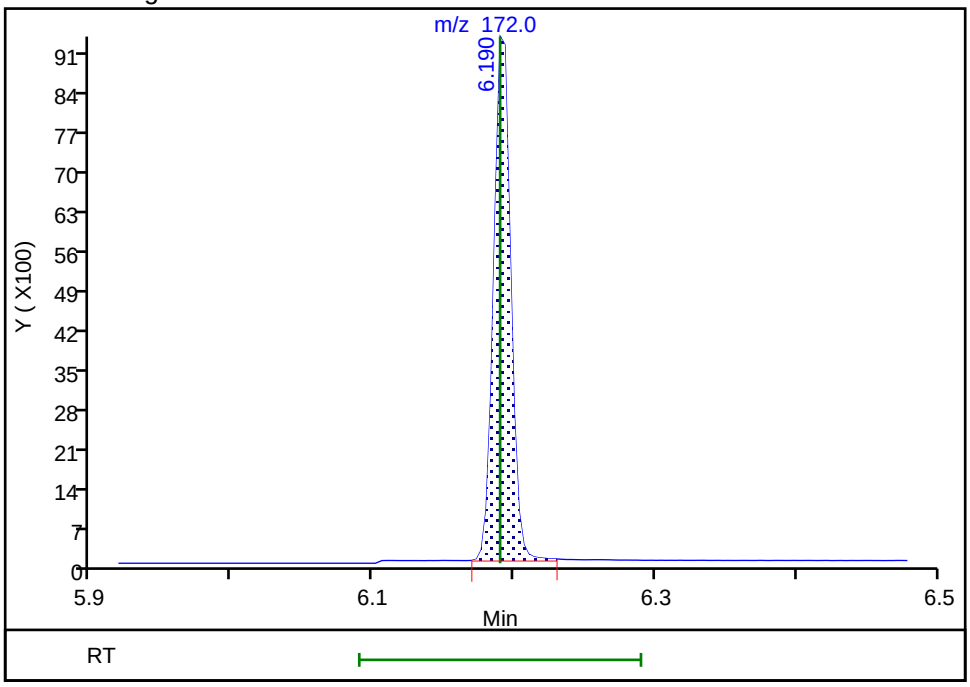
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 7866
Amount: 50.635592
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:15:40
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

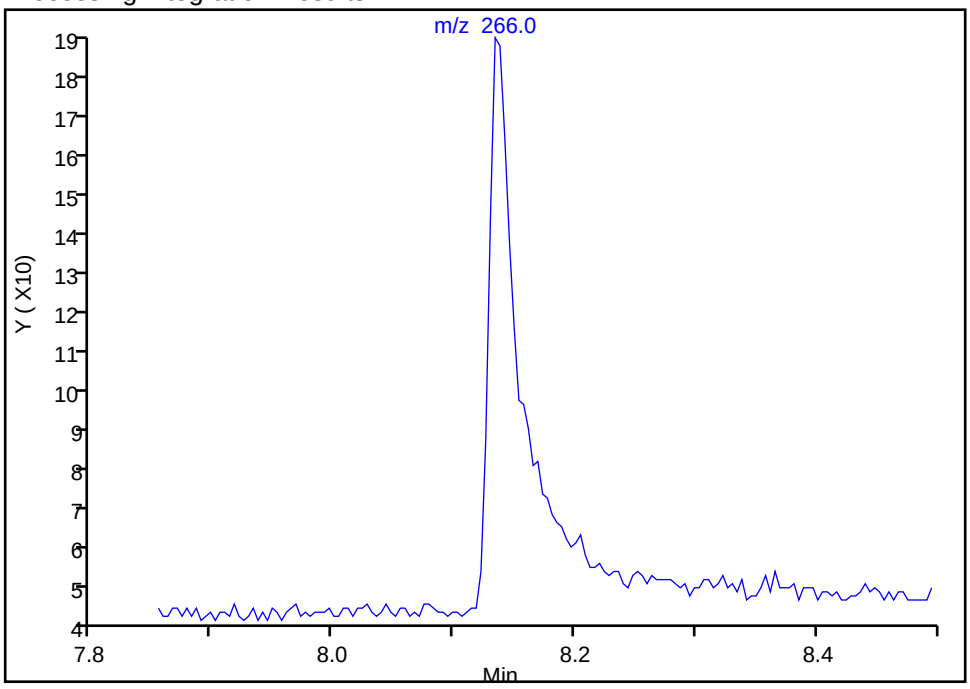
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D				
Injection Date:	14-Jan-2022 03:29:30	Instrument ID:	TAC050		
Lims ID:	std6				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

17 Pentachlorophenol, CAS: 87-86-5

Signal: 1

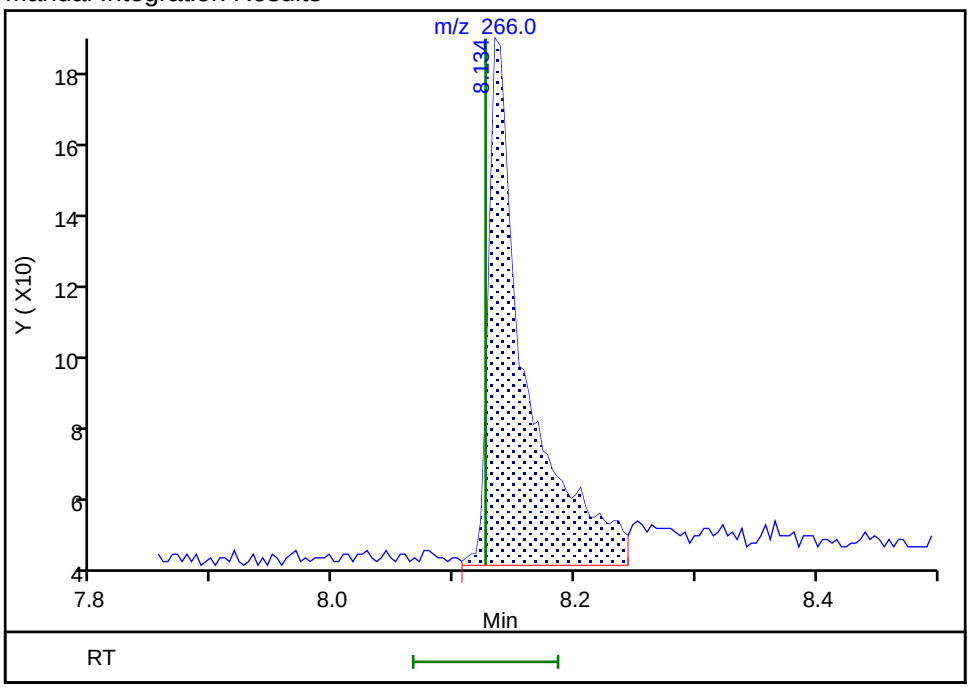
Not Detected
Expected RT: 8.13

Processing Integration Results



Manual Integration Results

RT: 8.13
Area: 304
Amount: 107.1297
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:15:19
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

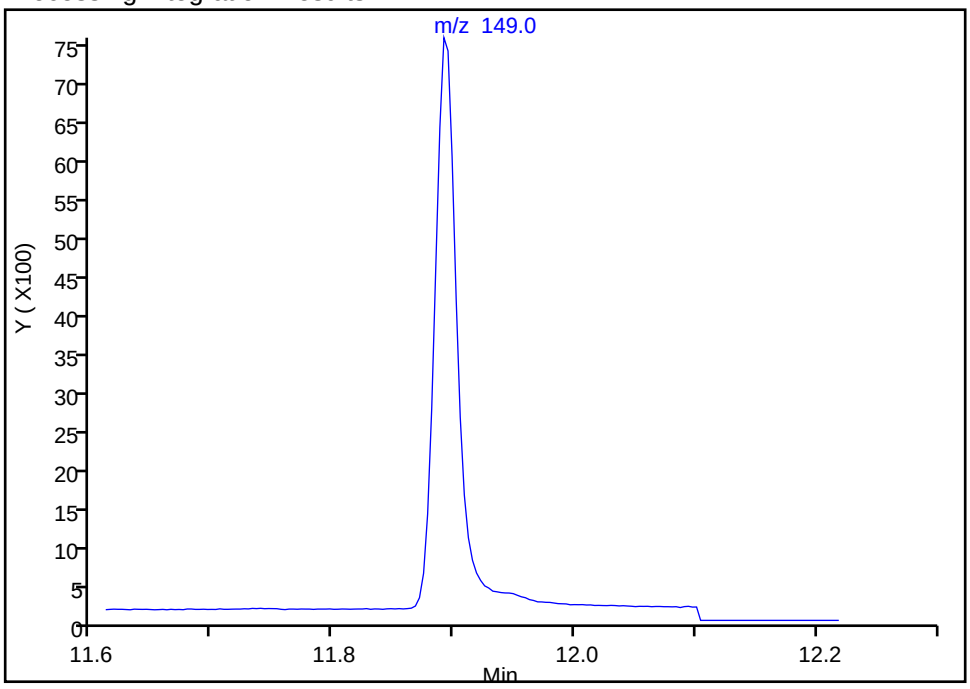
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D				
Injection Date:	14-Jan-2022 03:29:30	Instrument ID:	TAC050		
Lims ID:	std6				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

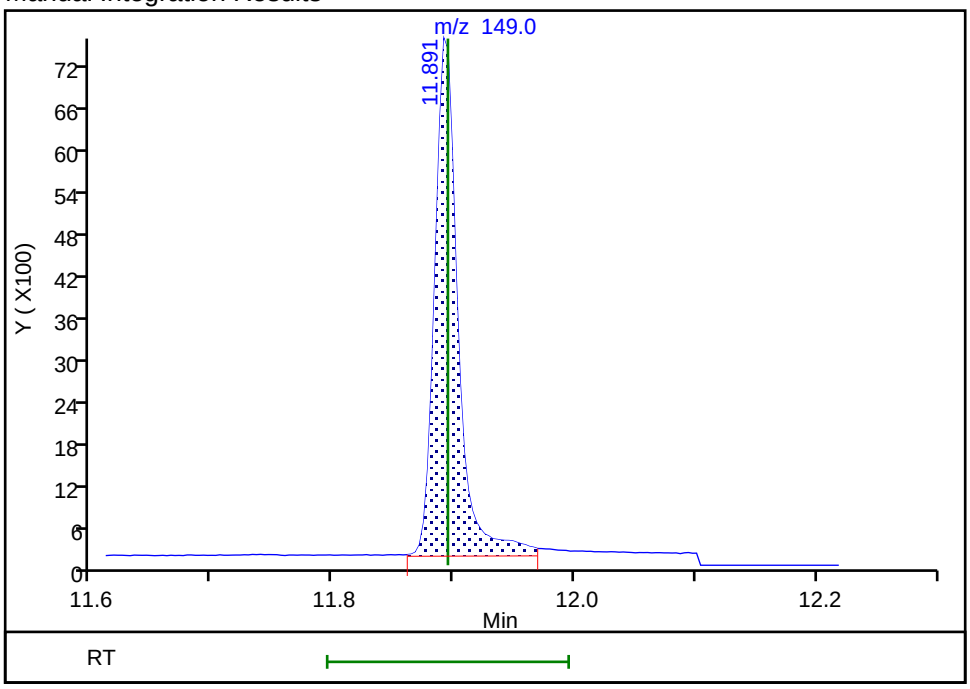
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 9999
Amount: 51.226792
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:15:00
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

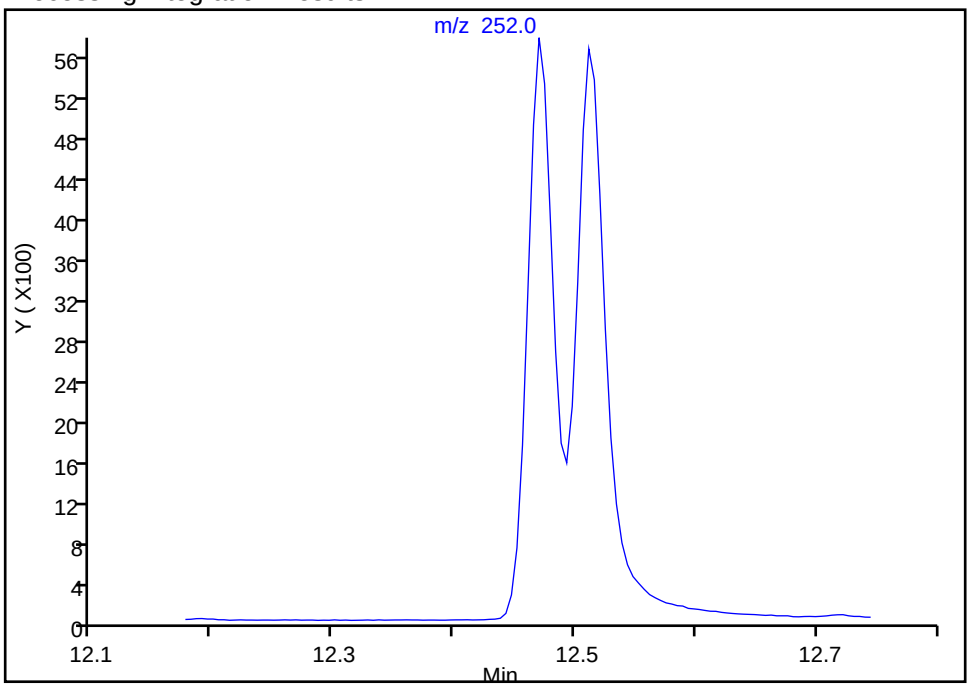
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D				
Injection Date:	14-Jan-2022 03:29:30	Instrument ID:	TAC050		
Lims ID:	std6				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

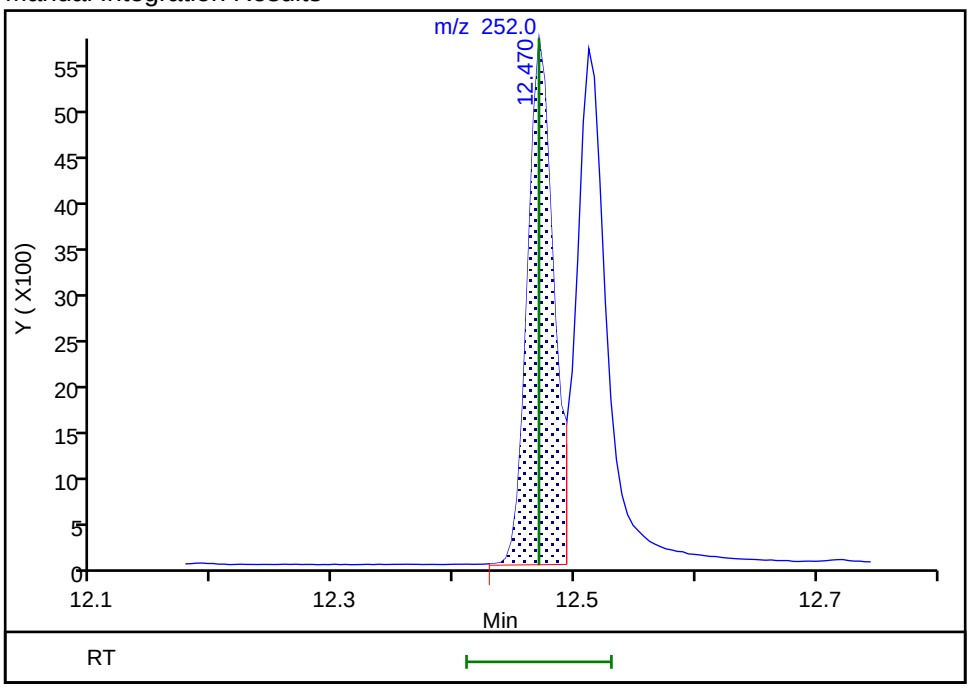
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 8556
Amount: 47.298391
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:14:50
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

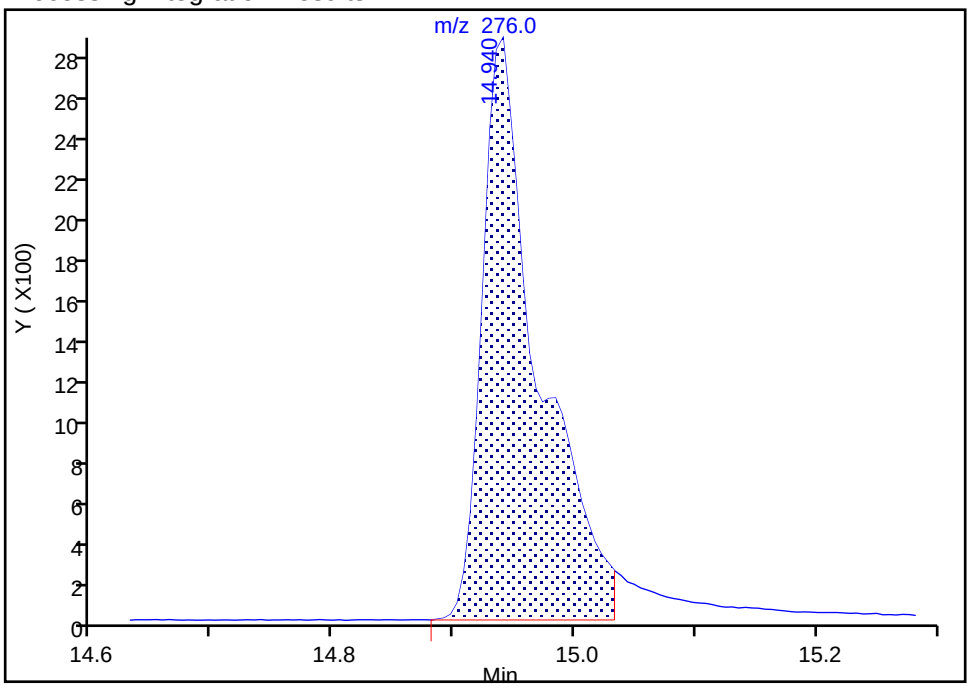
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D
Injection Date: 14-Jan-2022 03:29:30 Instrument ID: TAC050
Lims ID: std6
Client ID:
Operator ID: jcm ALS Bottle#: 11 Worklist Smp#: 11
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

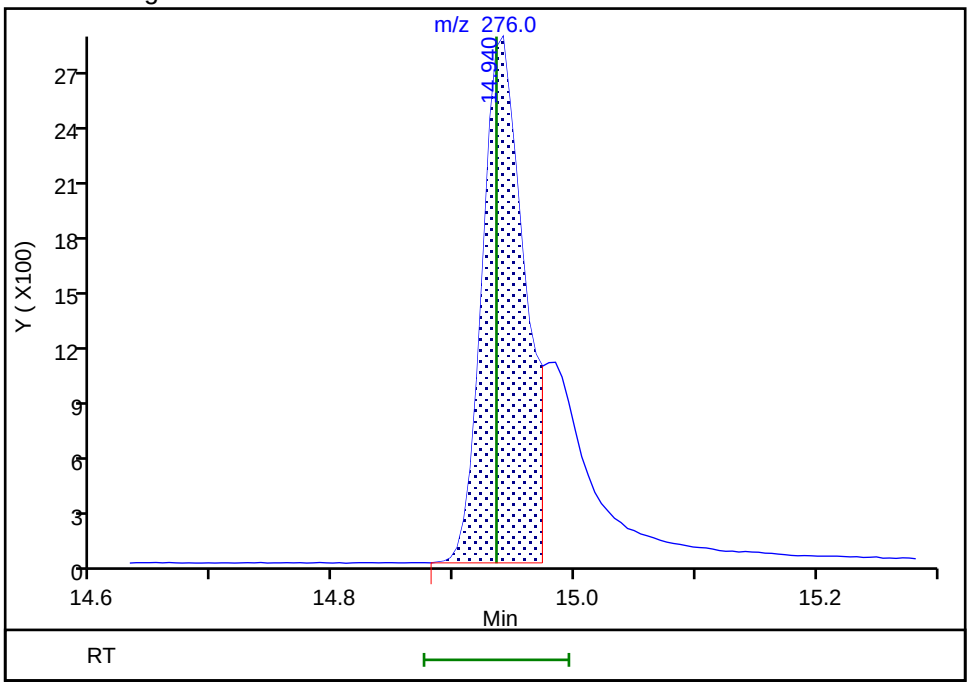
Processing Integration Results

RT: 14.94
Area: 9130
Amount: 55.625137
Amount Units: ug/L



Manual Integration Results

RT: 14.94
Area: 6730
Amount: 45.508891
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:14:35
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

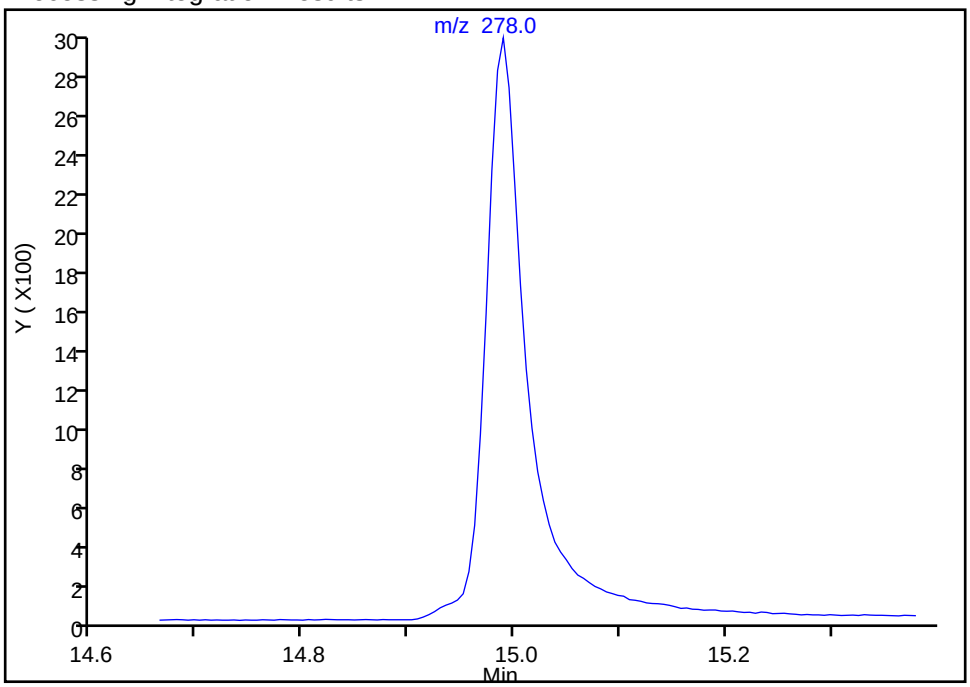
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D				
Injection Date:	14-Jan-2022 03:29:30	Instrument ID:	TAC050		
Lims ID:	std6				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

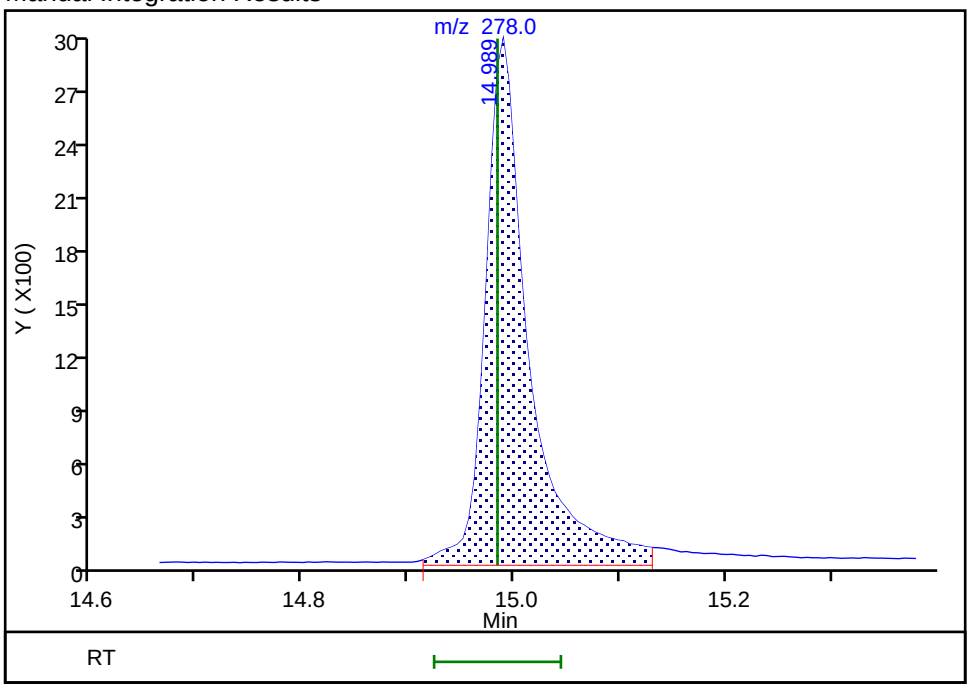
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.99
Area: 8317
Amount: 47.918372
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:14:23
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

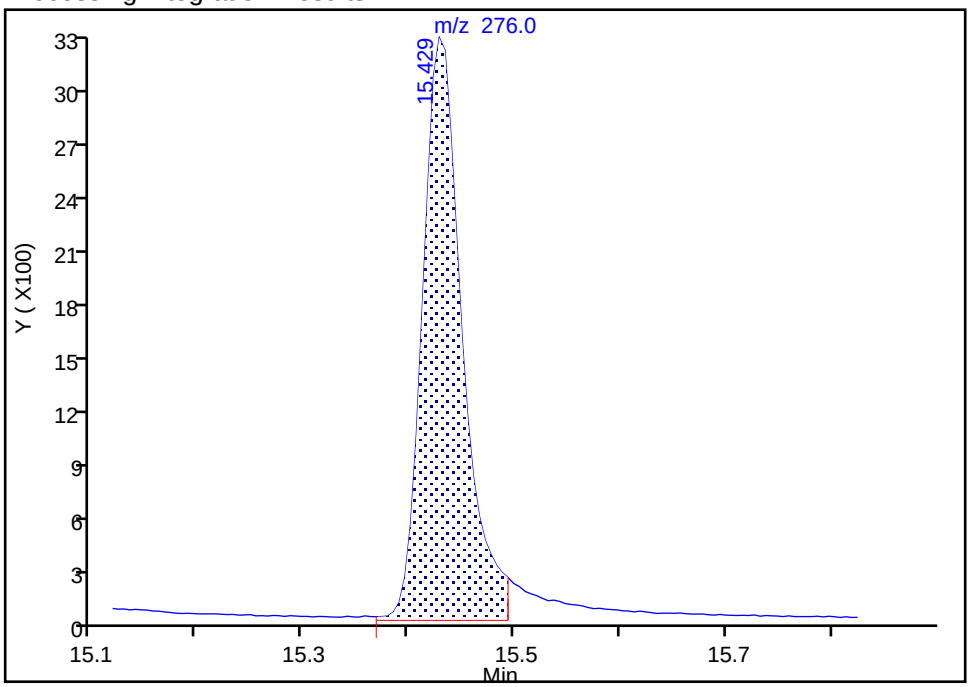
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b021.D				
Injection Date:	14-Jan-2022 03:29:30	Instrument ID:	TAC050		
Lims ID:	std6				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	11	Worklist Smp#:	11
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

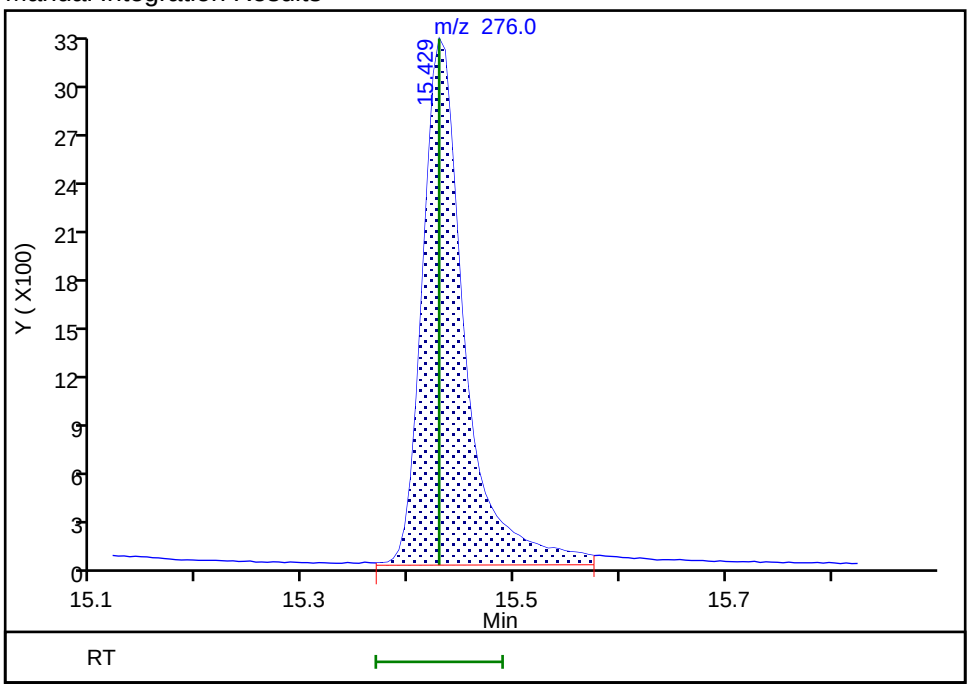
Processing Integration Results

RT: 15.43
Area: 8423
Amount: 44.421994
Amount Units: ug/L



Manual Integration Results

RT: 15.43
Area: 8933
Amount: 47.371003
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:14:29
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Lims ID: std5
Client ID:
Sample Type: IC Calib Level: 5
Inject. Date: 14-Jan-2022 03:48:30 ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 5
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:17 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:08:28

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	21291	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	71	9613	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14596	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	51	11088	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.074	0.005	69	13110	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	2533	20.0	20.1	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	3165	20.0	20.6	M
$ 7 2,4,6-Tribromophenol	330	7.632	7.628	0.004	59	396	20.0	20.8	M
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	3024	20.0	18.9	
$ 9 Terphenyl-d14	244	9.900	9.896	0.004	95	2154	20.0	18.4	
11 Naphthalene	128	5.189	5.189	0.000	100	4620	20.0	20.5	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	2578	20.0	20.2	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	2491	20.0	20.1	
14 Acenaphthylene	152	6.717	6.717	0.000	100	4001	20.0	19.7	
15 Acenaphthene	153	6.884	6.884	0.000	96	2549	20.0	20.0	
16 Fluorene	166	7.394	7.389	0.005	93	2657	20.0	18.7	
17 Pentachlorophenol	266	8.146	8.126	0.020	99	49	40.0	85.5	M
18 Phenanthrene	178	8.342	8.342	0.000	100	3789	20.0	19.5	
19 Anthracene	178	8.393	8.389	0.004	100	3797	20.0	19.6	
20 Fluoranthene	202	9.522	9.522	0.000	52	3616	20.0	18.8	
21 Pyrene	202	9.750	9.746	0.004	51	3774	20.0	18.5	
22 Benzo[a]anthracene	228	11.017	11.012	0.005	90	3279	20.0	19.3	M
23 Chrysene	228	11.058	11.057	0.001	99	3566	20.0	20.0	
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	3545	20.0	18.2	M
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	3324	20.0	18.6	M
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	95	3813	20.0	19.1	Ma
26 Benzo[a]pyrene	252	12.987	12.983	0.004	97	3231	20.0	18.1	a
27 Indeno[1,2,3-cd]pyrene	276	14.940	14.935	0.005	96	2407	20.0	17.1	Ma
28 Dibenz(a,h)anthracene	278	14.989	14.984	0.005	97	2953	20.0	17.3	Ma
29 Benzo[g,h,i]perylene	276	15.434	15.429	0.005	93	3494	20.0	18.9	Ma

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270ccvl_50_00039	Amount Added: 400.00	Units: uL
8270SIM_IS_00069	Amount Added: 6.00	Units: uL

Report Date: 14-Jan-2022 15:42:17 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D

Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050

Lims ID: std5

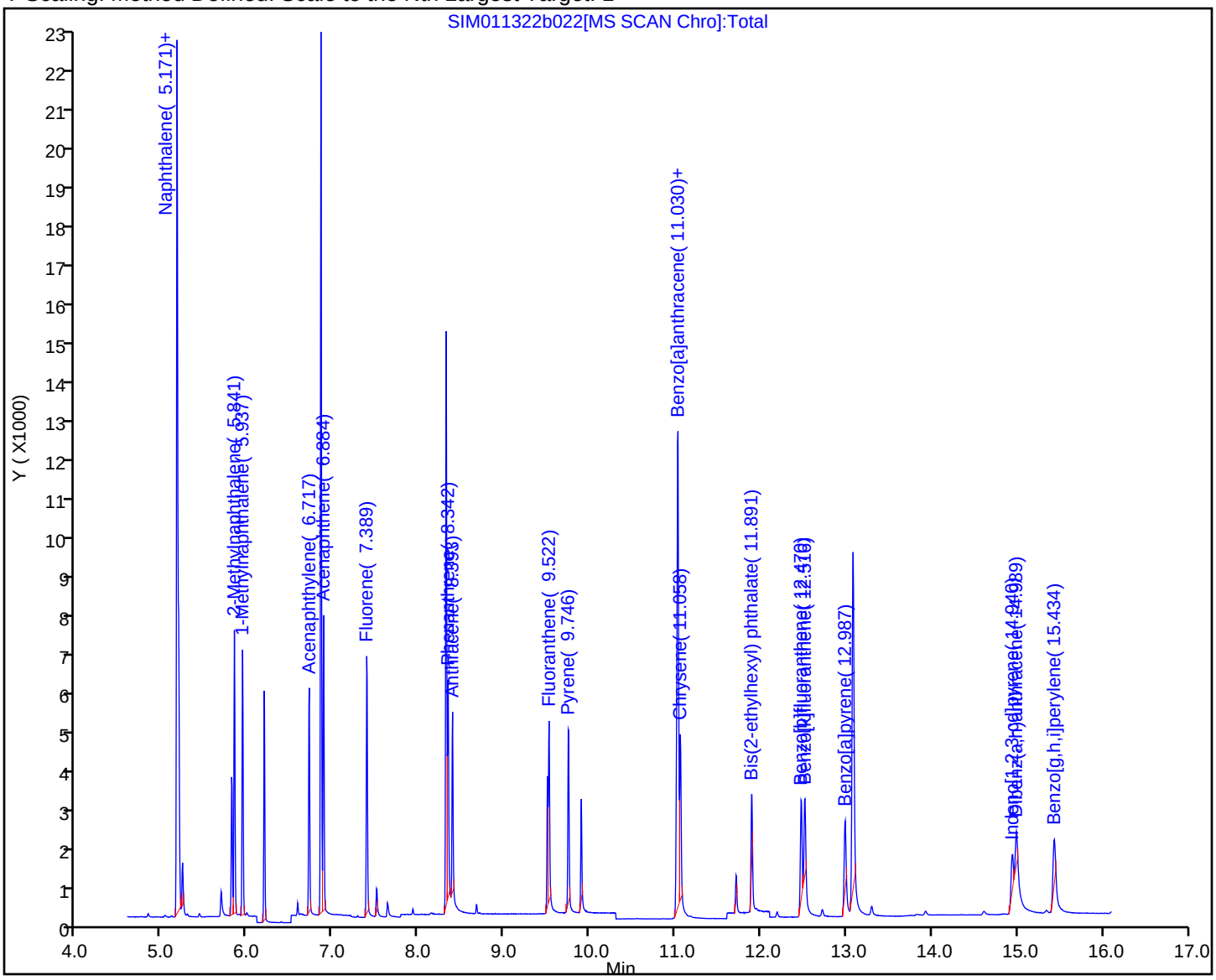
Client ID:

Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

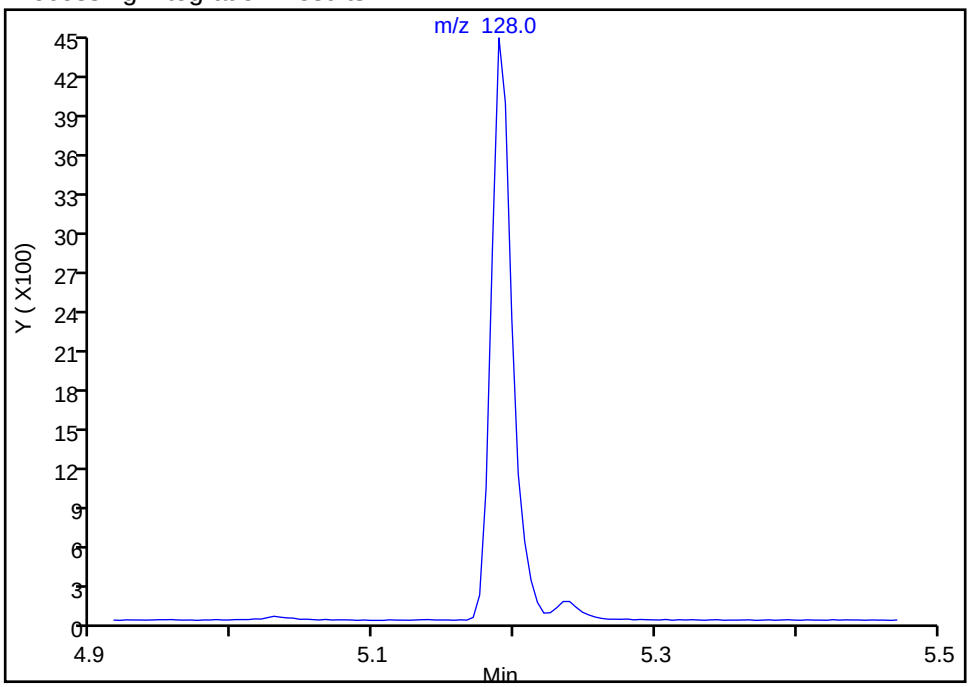
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

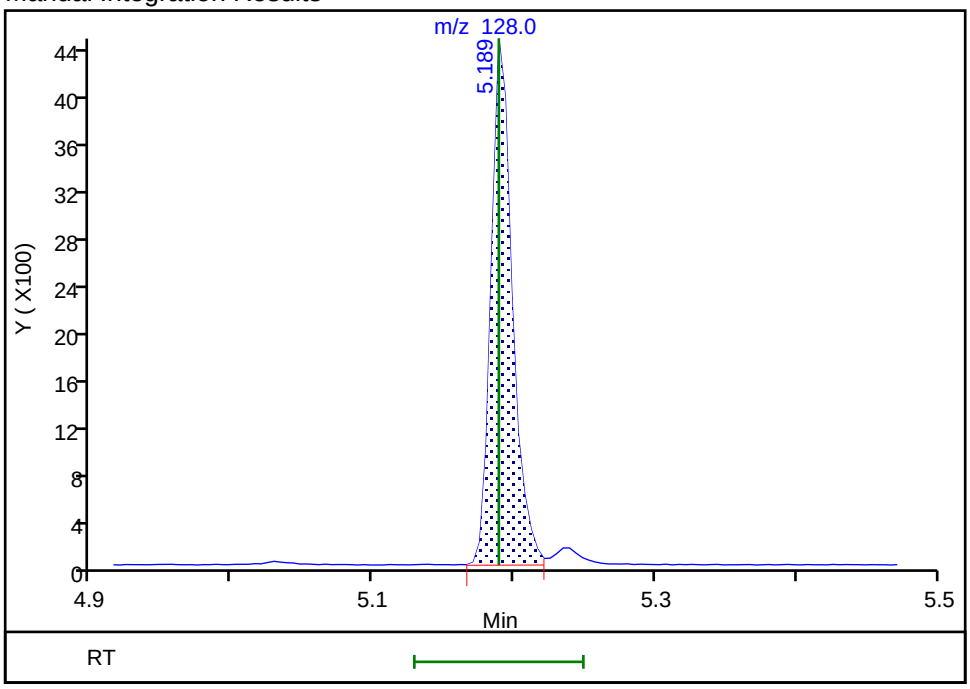
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 4620
Amount: 20.516495
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:16:33
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

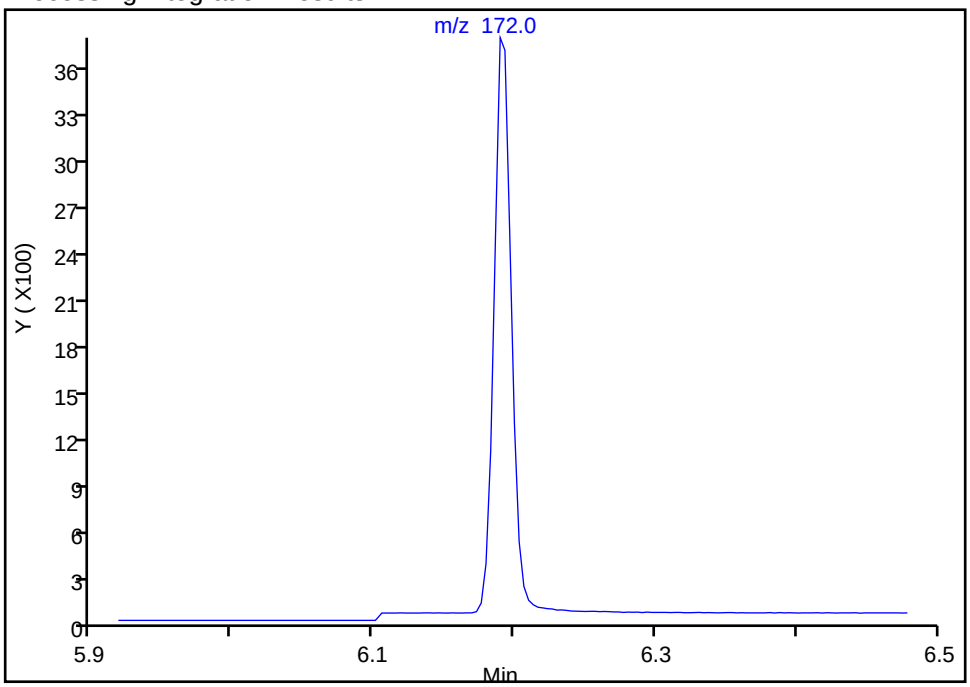
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

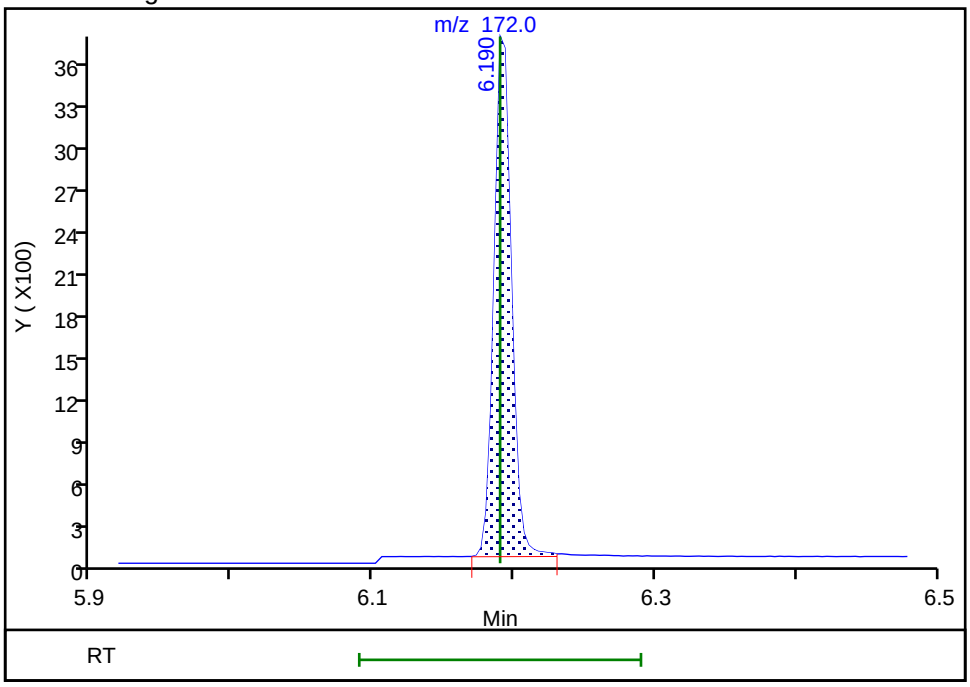
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 3165
Amount: 20.575315
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:16:15
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

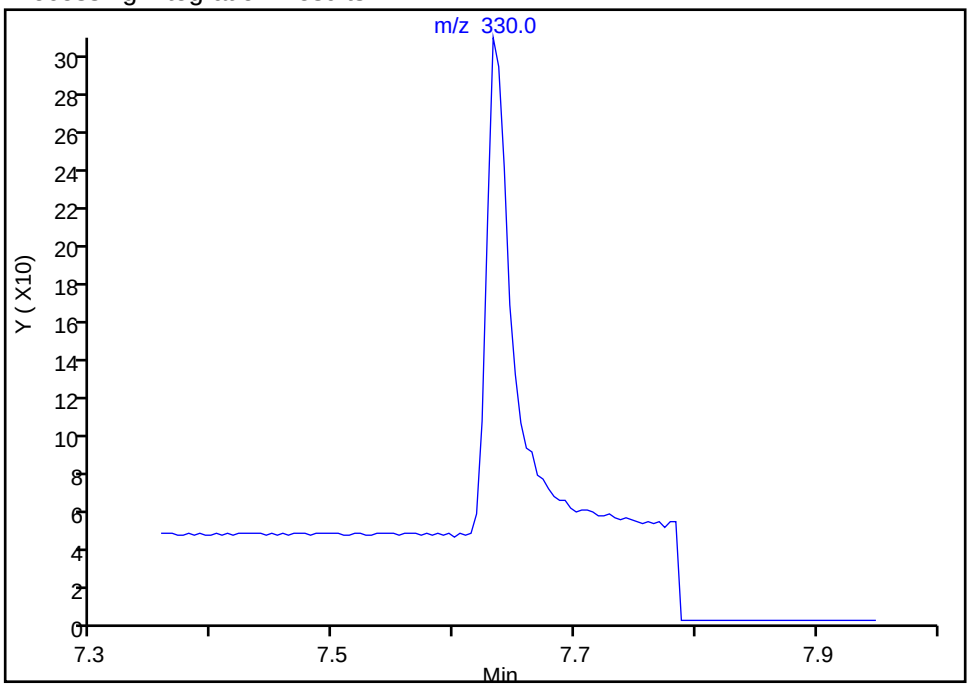
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 7 2,4,6-Tribromophenol, CAS: 118-79-6

Signal: 1

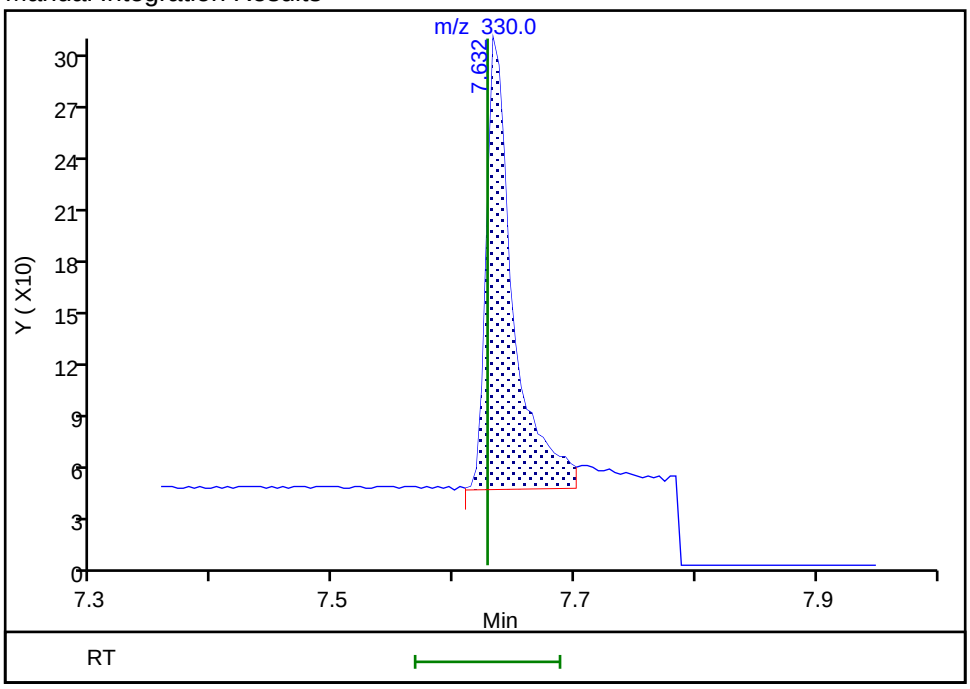
Not Detected
Expected RT: 7.63

Processing Integration Results



Manual Integration Results

RT: 7.63
Area: 396
Amount: 20.819703
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:16:23
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

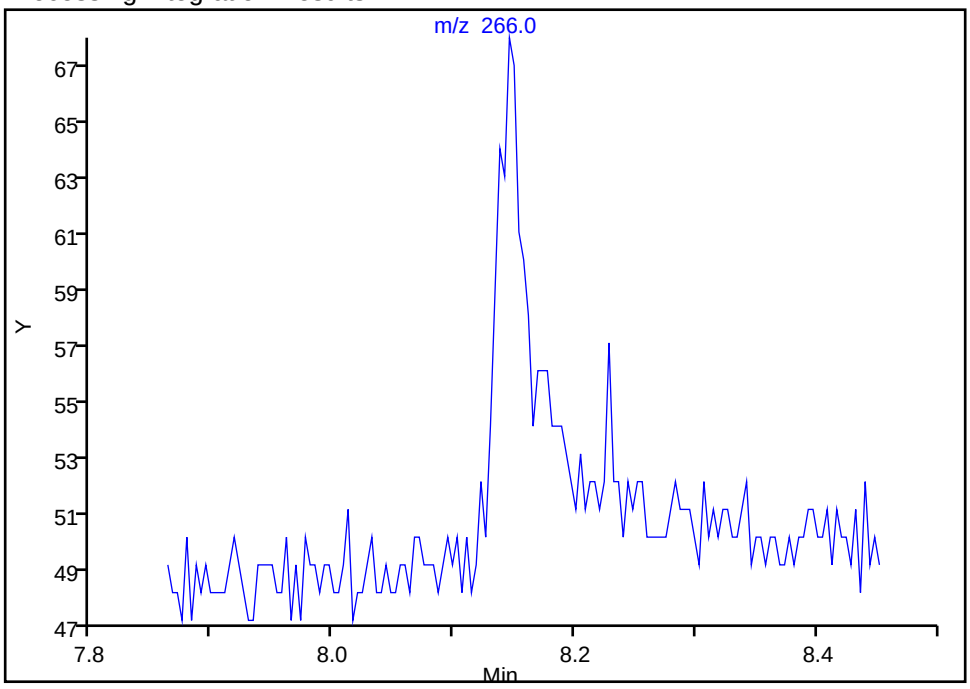
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

17 Pentachlorophenol, CAS: 87-86-5

Signal: 1

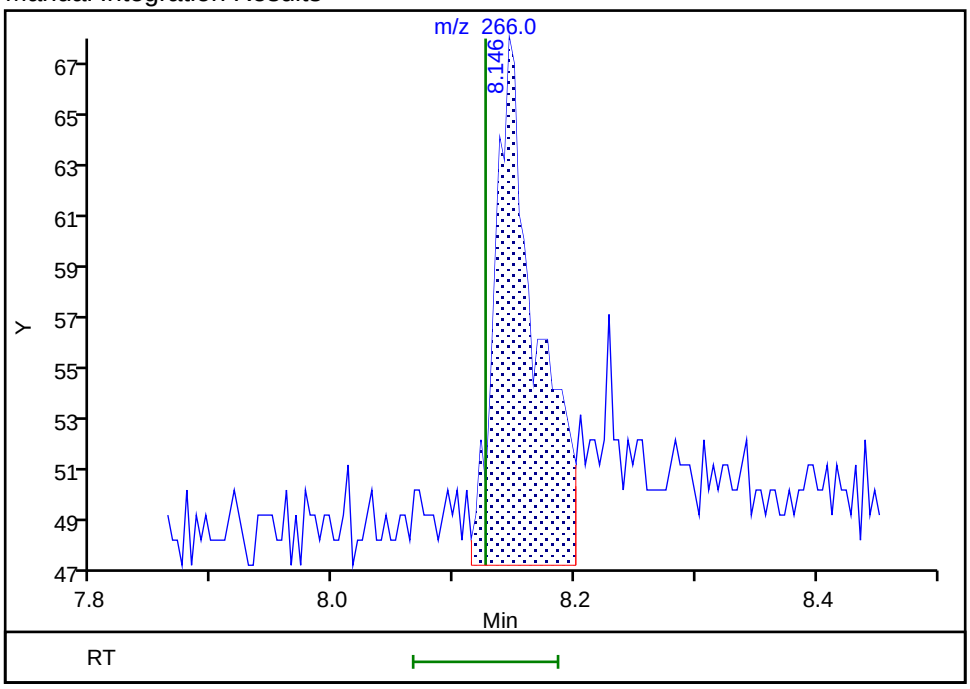
Not Detected
Expected RT: 8.13

Processing Integration Results



Manual Integration Results

RT: 8.15
Area: 49
Amount: 85.523380
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:16:47
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

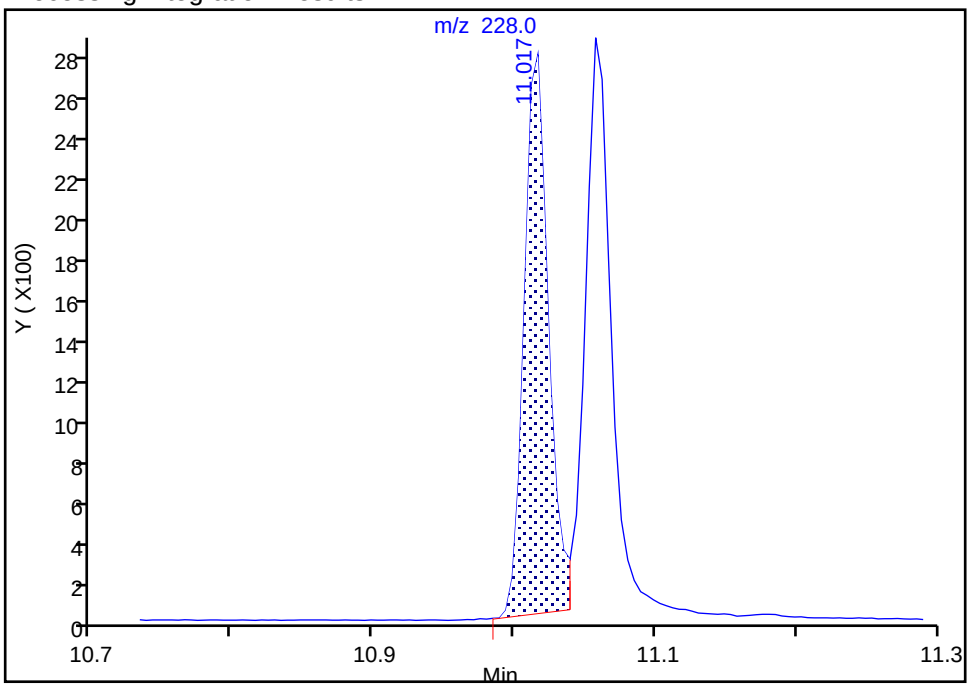
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

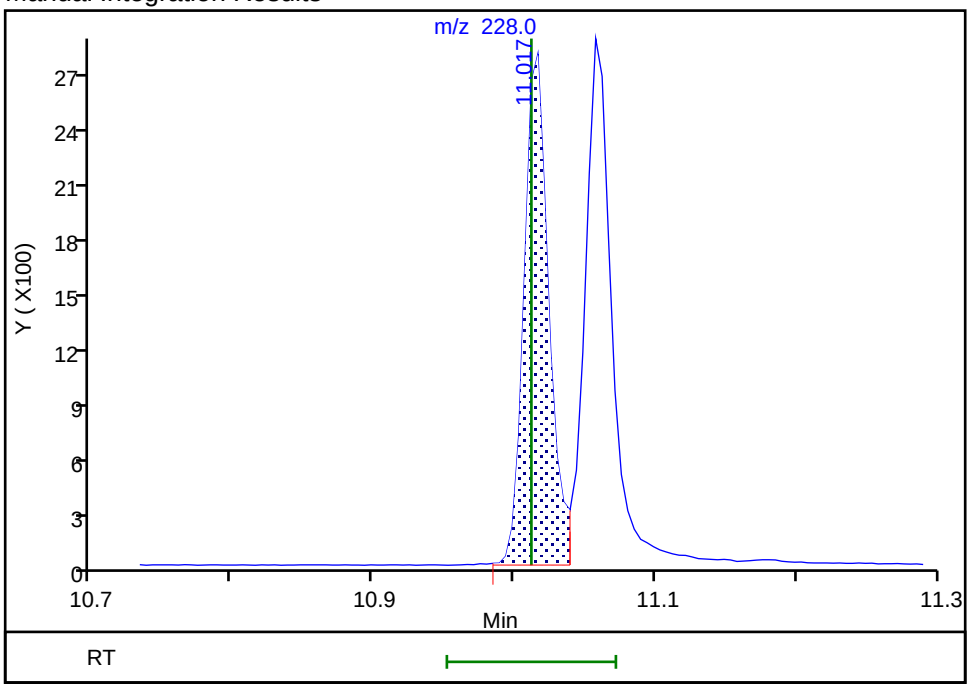
Processing Integration Results

RT: 11.02
Area: 3189
Amount: 18.731486
Amount Units: ug/L



Manual Integration Results

RT: 11.02
Area: 3279
Amount: 19.288123
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:17:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle

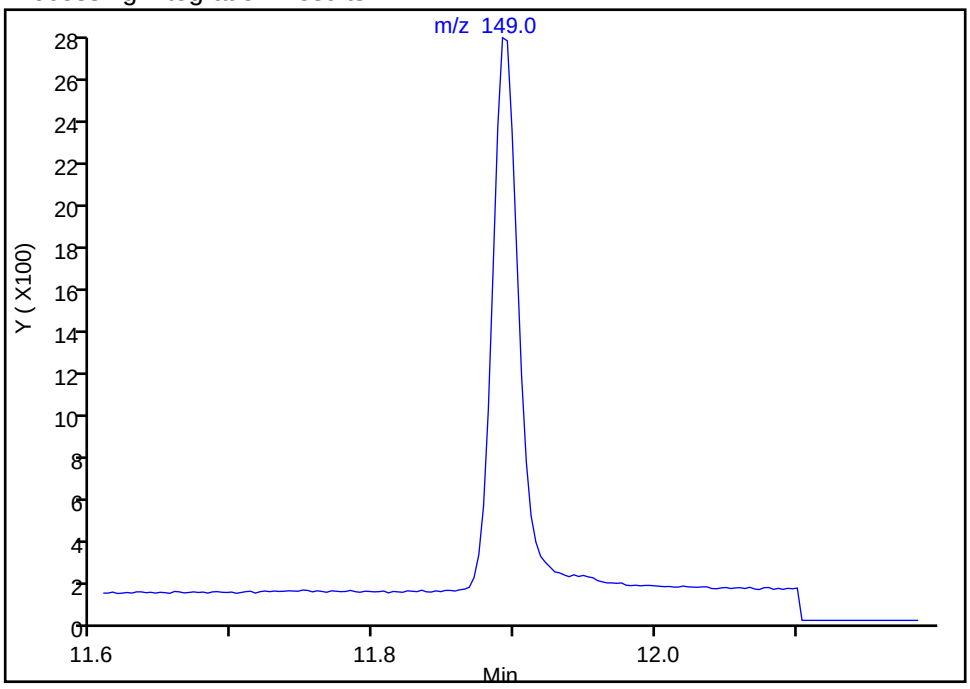
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

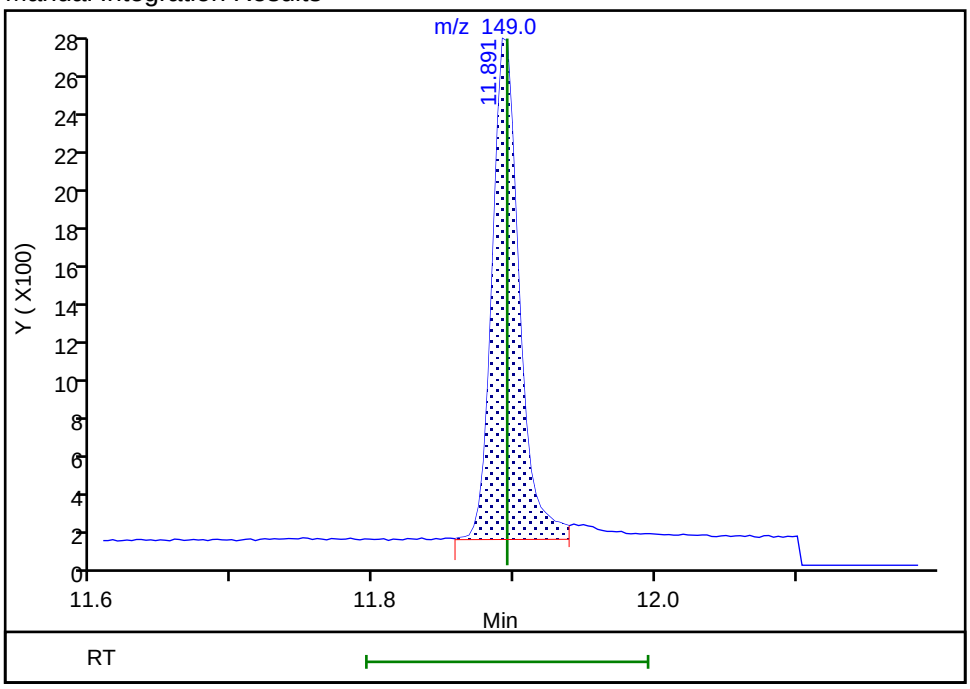
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 3545
Amount: 18.232581
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:00
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

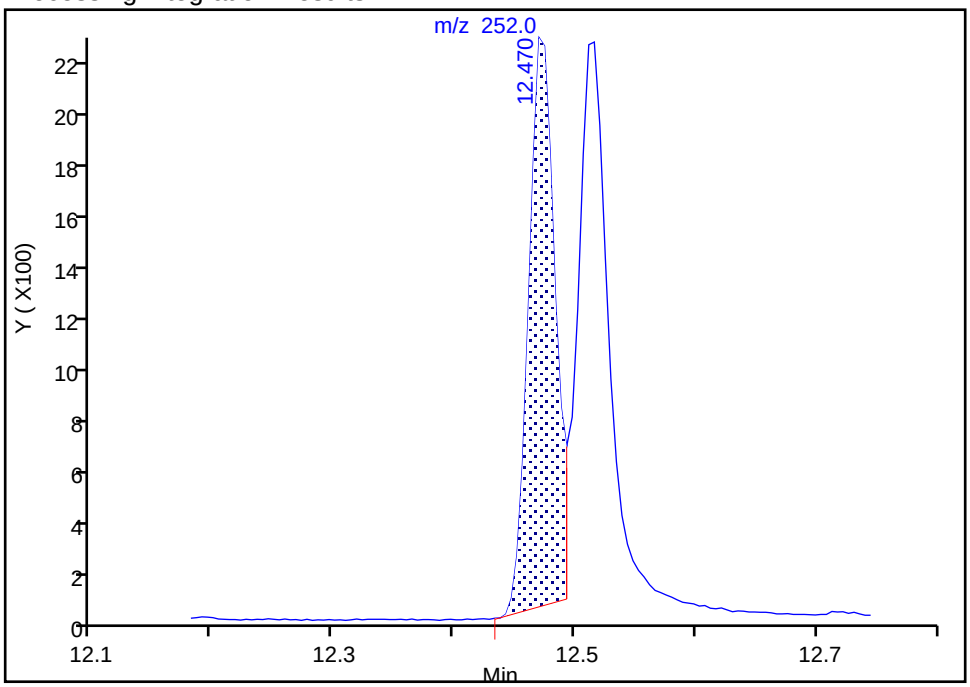
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

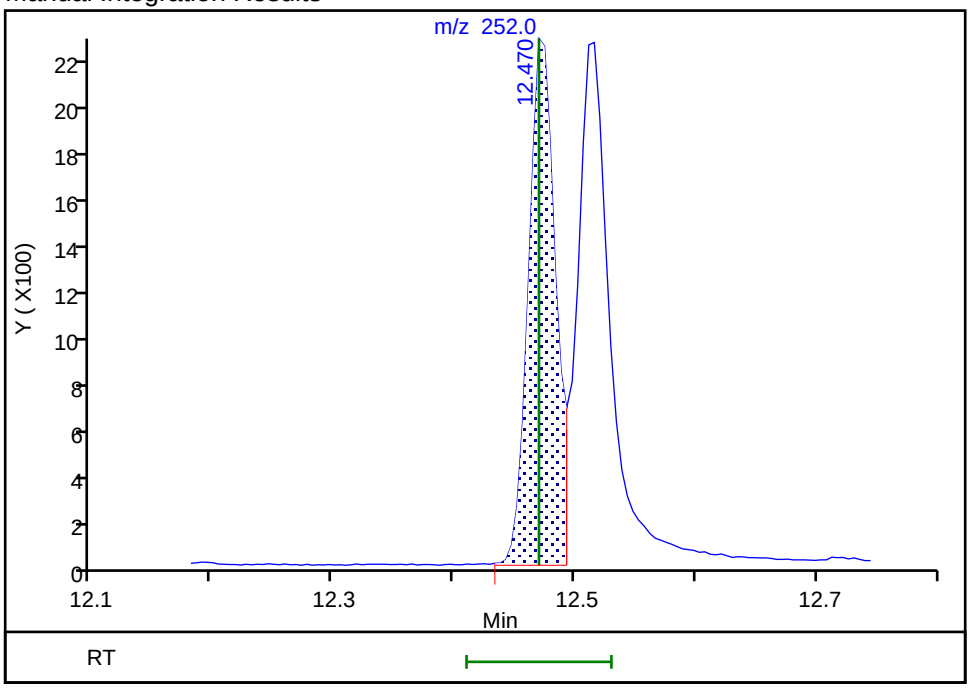
Processing Integration Results

RT: 12.47
Area: 3176
Amount: 17.641583
Amount Units: ug/L



Manual Integration Results

RT: 12.47
Area: 3324
Amount: 18.634458
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:09
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

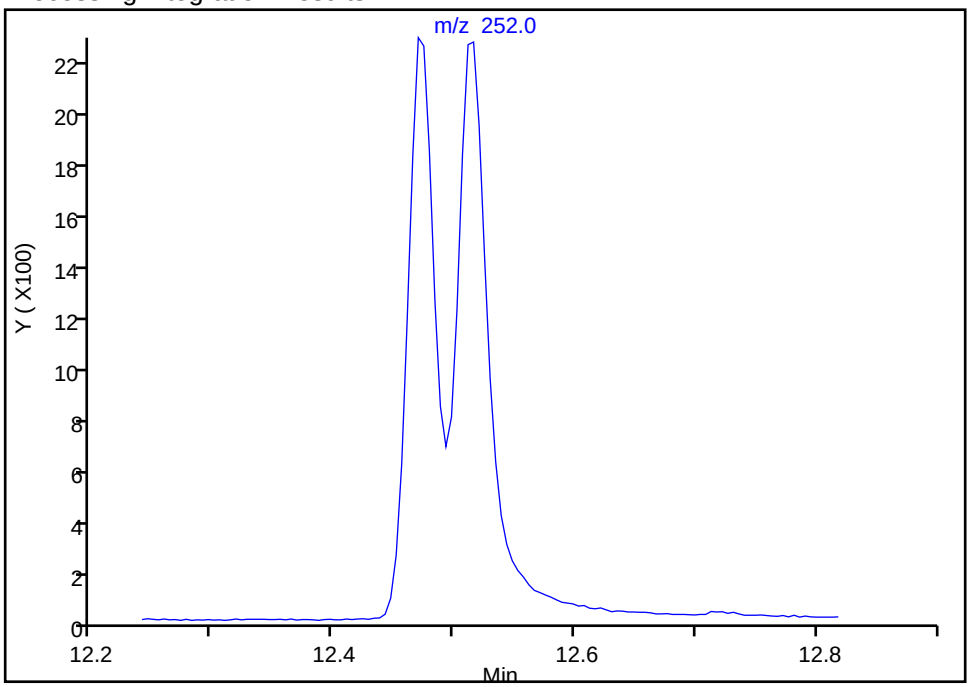
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

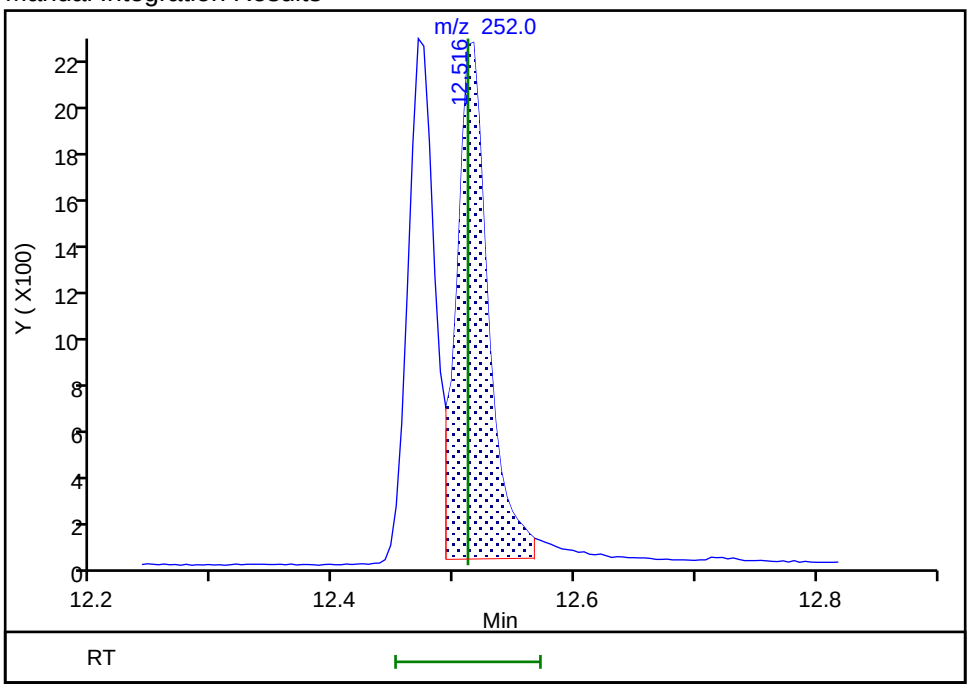
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 3813
Amount: 19.119632
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:19
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

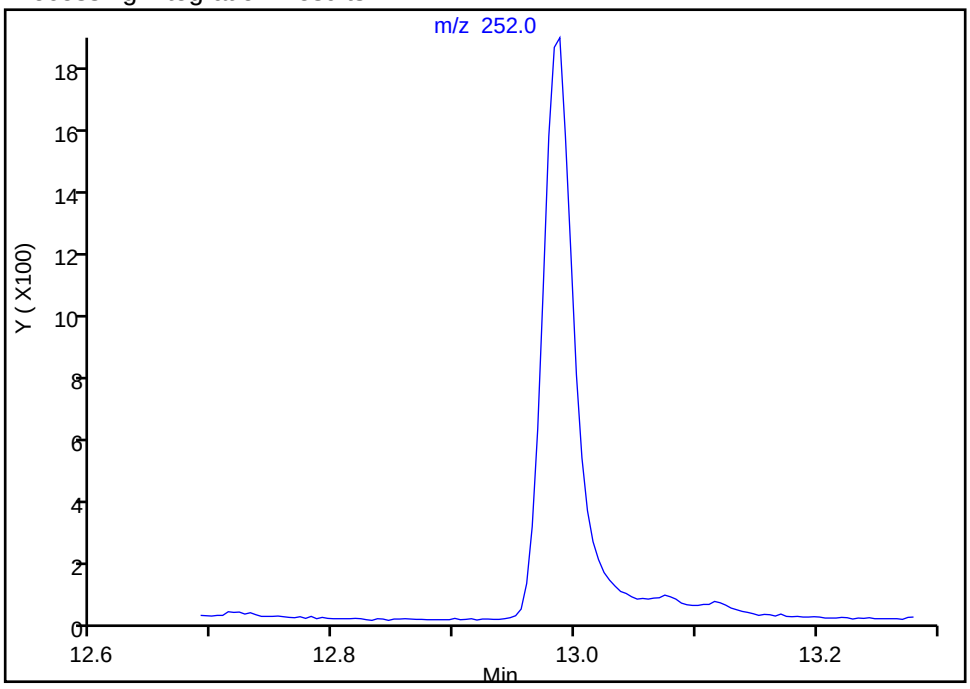
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

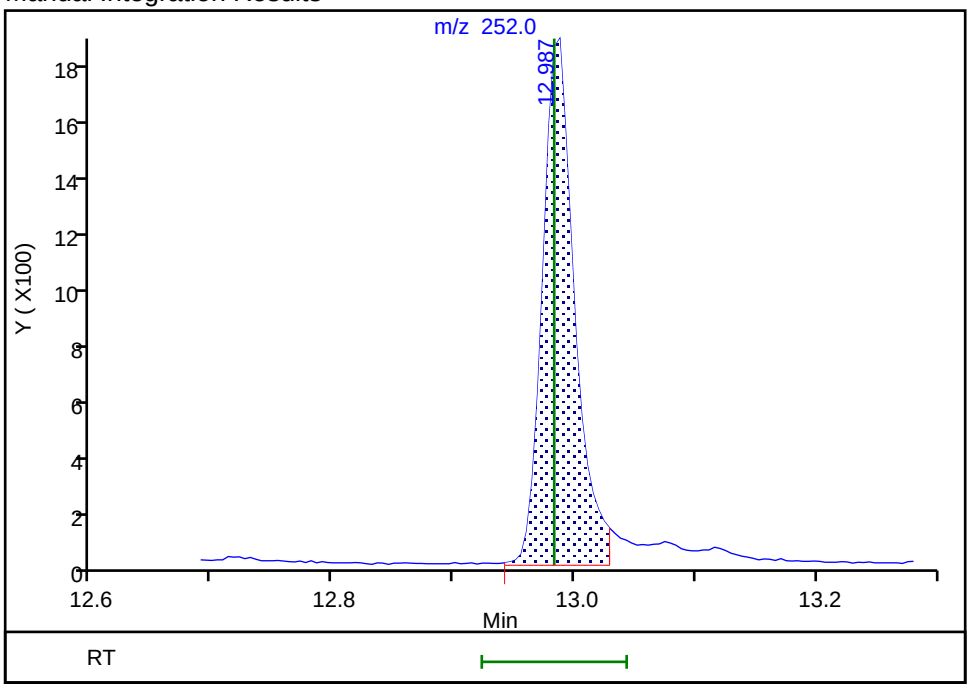
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 3231
Amount: 18.130150
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:25
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

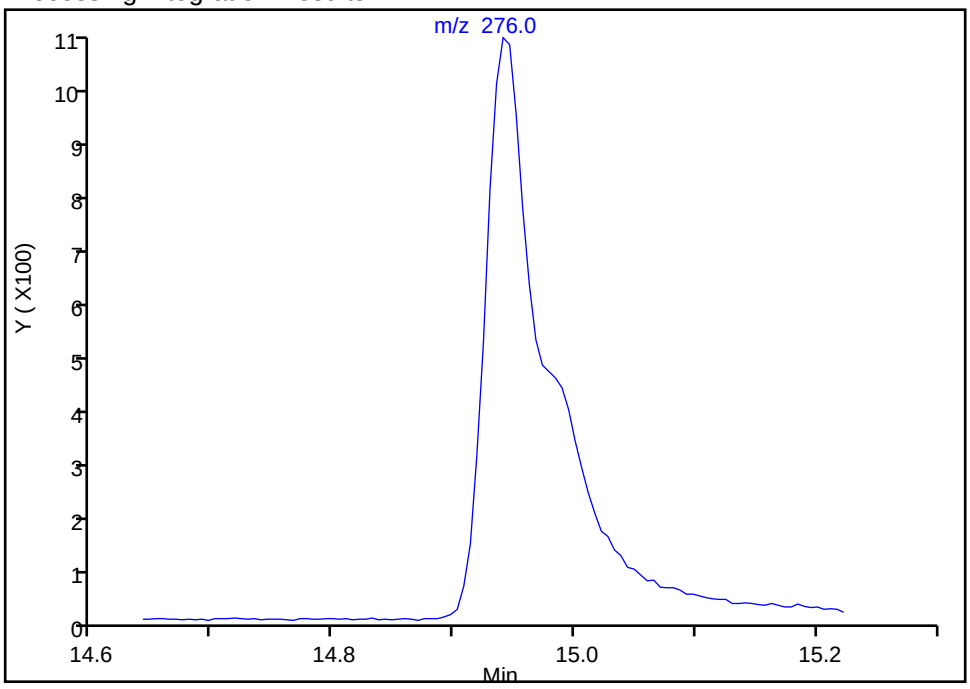
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D
Injection Date: 14-Jan-2022 03:48:30 Instrument ID: TAC050
Lims ID: std5
Client ID:
Operator ID: jcm ALS Bottle#: 12 Worklist Smp#: 12
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

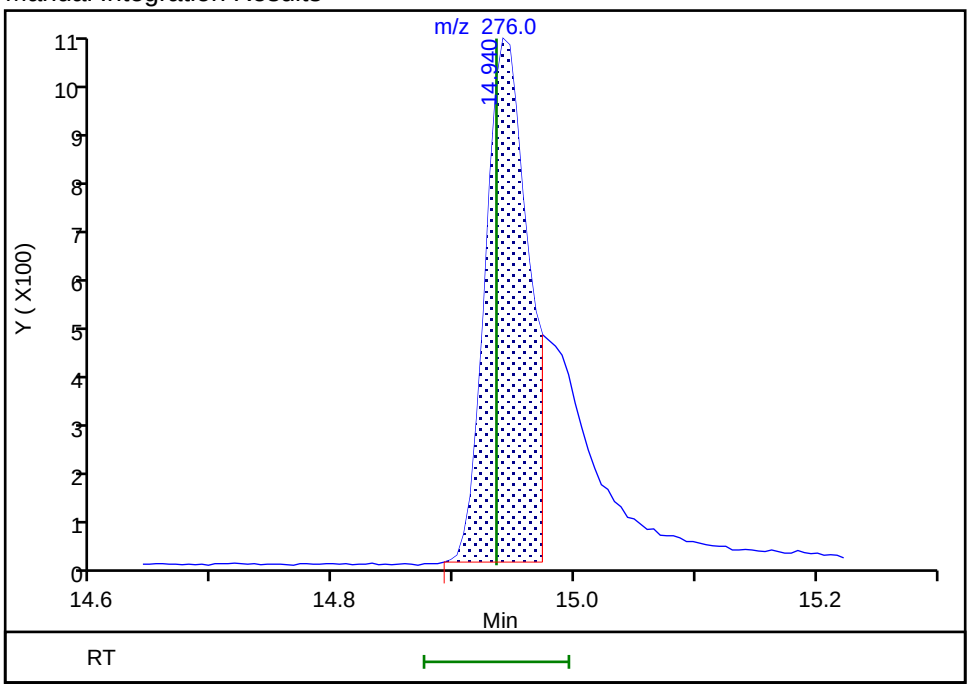
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.94
Area: 2407
Amount: 17.073181
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:18:40
Audit Action: Split an Integrated Peak Audit Reason: Split Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

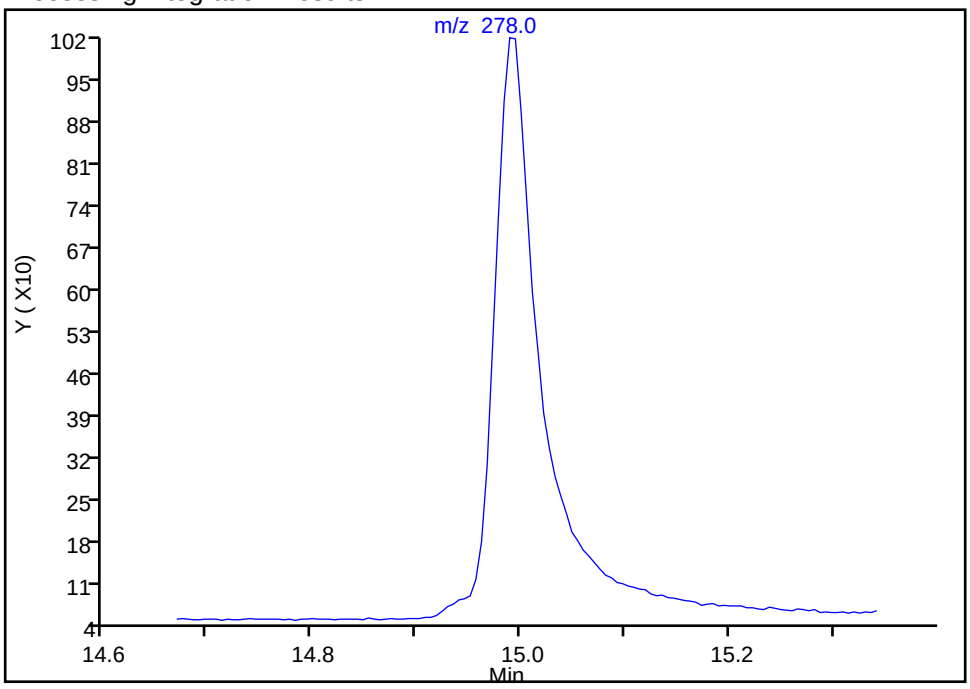
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

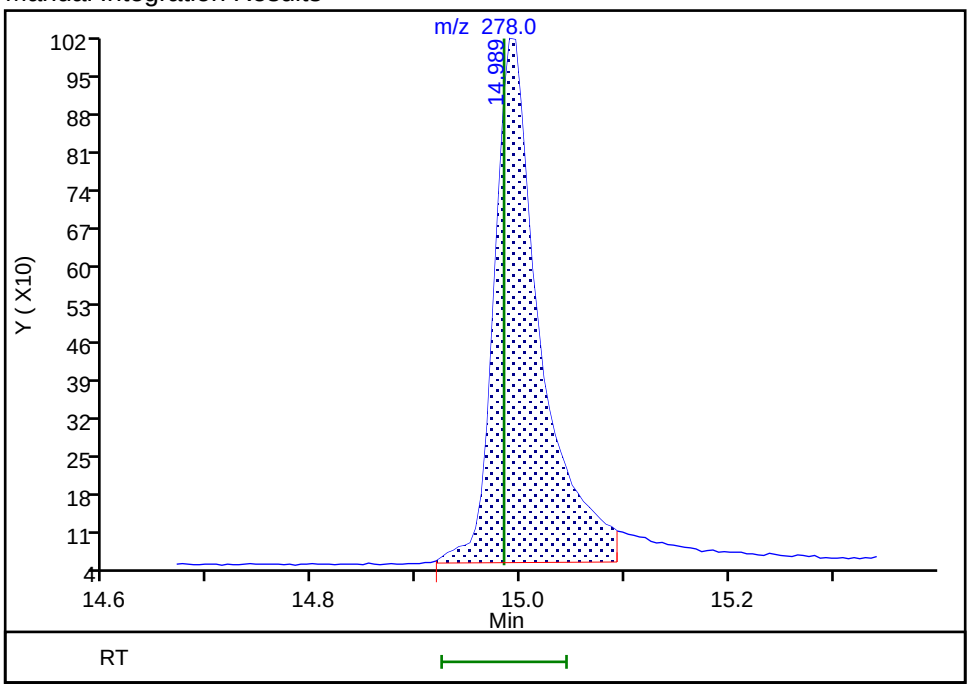
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.99
Area: 2953
Amount: 17.322307
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:13
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

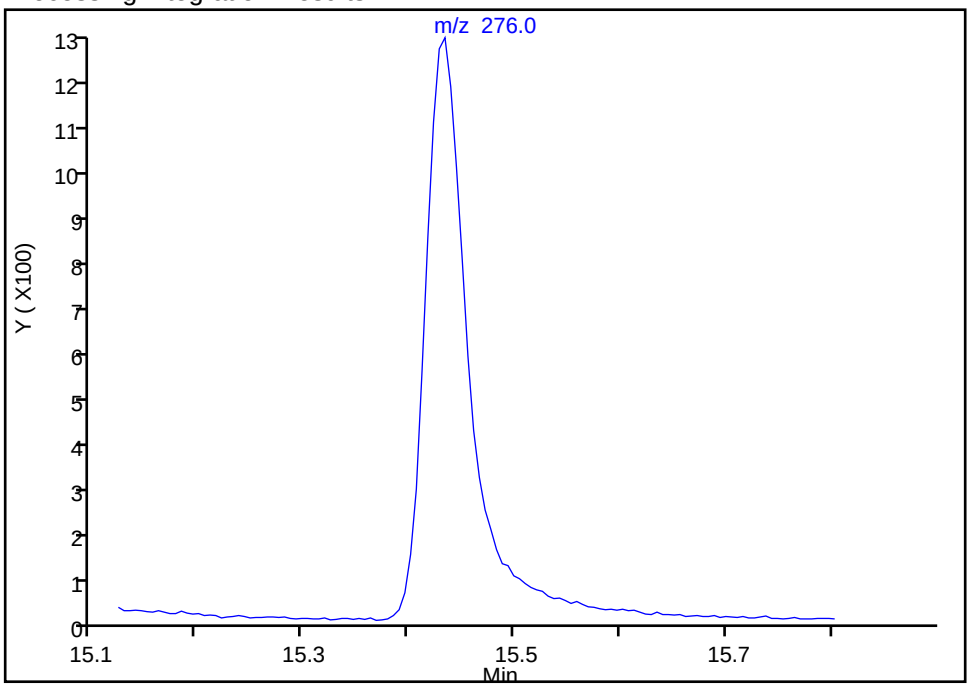
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b022.D				
Injection Date:	14-Jan-2022 03:48:30	Instrument ID:	TAC050		
Lims ID:	std5				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	12	Worklist Smp#:	12
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

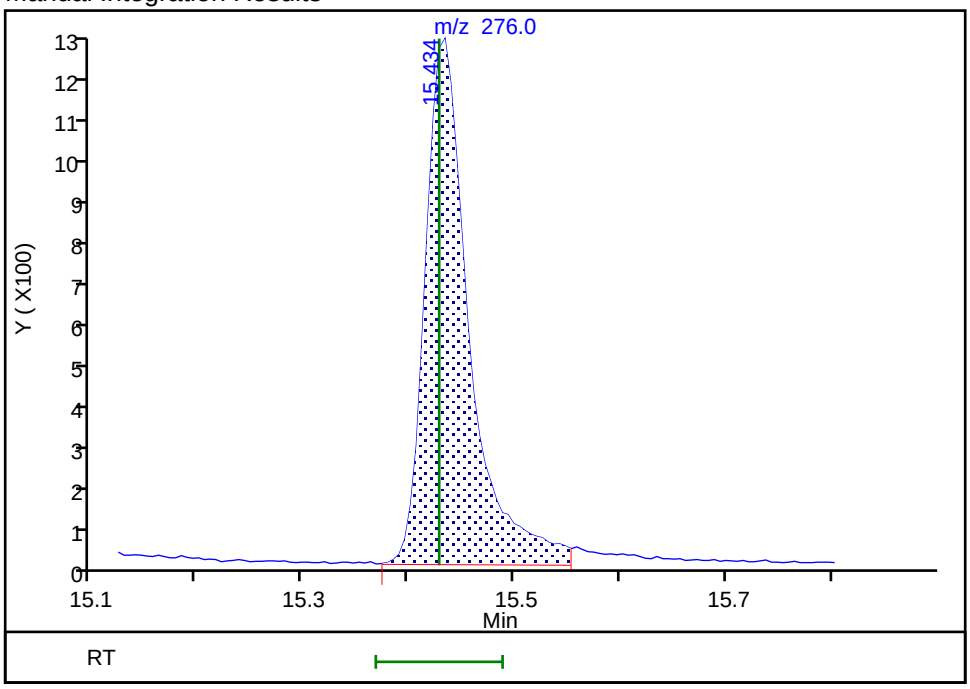
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.43
Area: 3494
Amount: 18.853612
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:25
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Lims ID: std4
Client ID:
Sample Type: IC Calib Level: 4
Inject. Date: 14-Jan-2022 04:07:30 ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 4
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:18 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:11:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	21130	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	9435	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14400	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	50	11178	100.0	100.0	M
* 5 Perylene-d12	264	13.079	13.074	0.005	69	12679	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.809	0.005	67	1249	10.0	10.0	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	1552	10.0	10.3	M
$ 7 2,4,6-Tribromophenol	330	7.637	7.628	0.009	56	178	10.0	12.5	Ma
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.502	0.004	68	1556	10.0	9.30	a
$ 9 Terphenyl-d14	244	9.900	9.896	0.004	95	1200	10.0	10.4	Ma
11 Naphthalene	128	5.189	5.189	0.000	100	2280	10.0	10.2	a
12 2-Methylnaphthalene	141	5.841	5.841	0.000	97	1274	10.0	10.1	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	97	1224	10.0	9.97	
14 Acenaphthylene	152	6.717	6.717	0.000	100	1947	10.0	9.76	
15 Acenaphthene	153	6.884	6.884	0.000	96	1248	10.0	9.97	
16 Fluorene	166	7.394	7.389	0.005	93	1345	10.0	9.64	Ma
18 Phenanthrene	178	8.342	8.342	0.000	100	1982	10.0	9.82	
19 Anthracene	178	8.393	8.389	0.004	100	1949	10.0	9.76	Ma
20 Fluoranthene	202	9.522	9.522	0.000	52	1885	10.0	9.37	a
21 Pyrene	202	9.750	9.746	0.004	51	1921	10.0	8.97	a
22 Benzo[a]anthracene	228	11.017	11.012	0.004	72	1677	10.0	9.14	M
23 Chrysene	228	11.058	11.057	0.001	100	2005	10.0	10.5	M
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	1754	10.0	8.60	M
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	97	1654	10.0	9.19	M
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	96	2146	10.0	10.8	M
26 Benzo[a]pyrene	252	12.987	12.983	0.004	97	1600	10.0	8.89	M
27 Indeno[1,2,3-cd]pyrene	276	14.946	14.935	0.011	96	1224	10.0	9.08	M
28 Dibenz(a,h)anthracene	278	15.000	14.984	0.016	95	1524	10.0	8.96	M
29 Benzo[g,h,i]perylene	276	15.434	15.429	0.005	95	1725	10.0	9.27	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

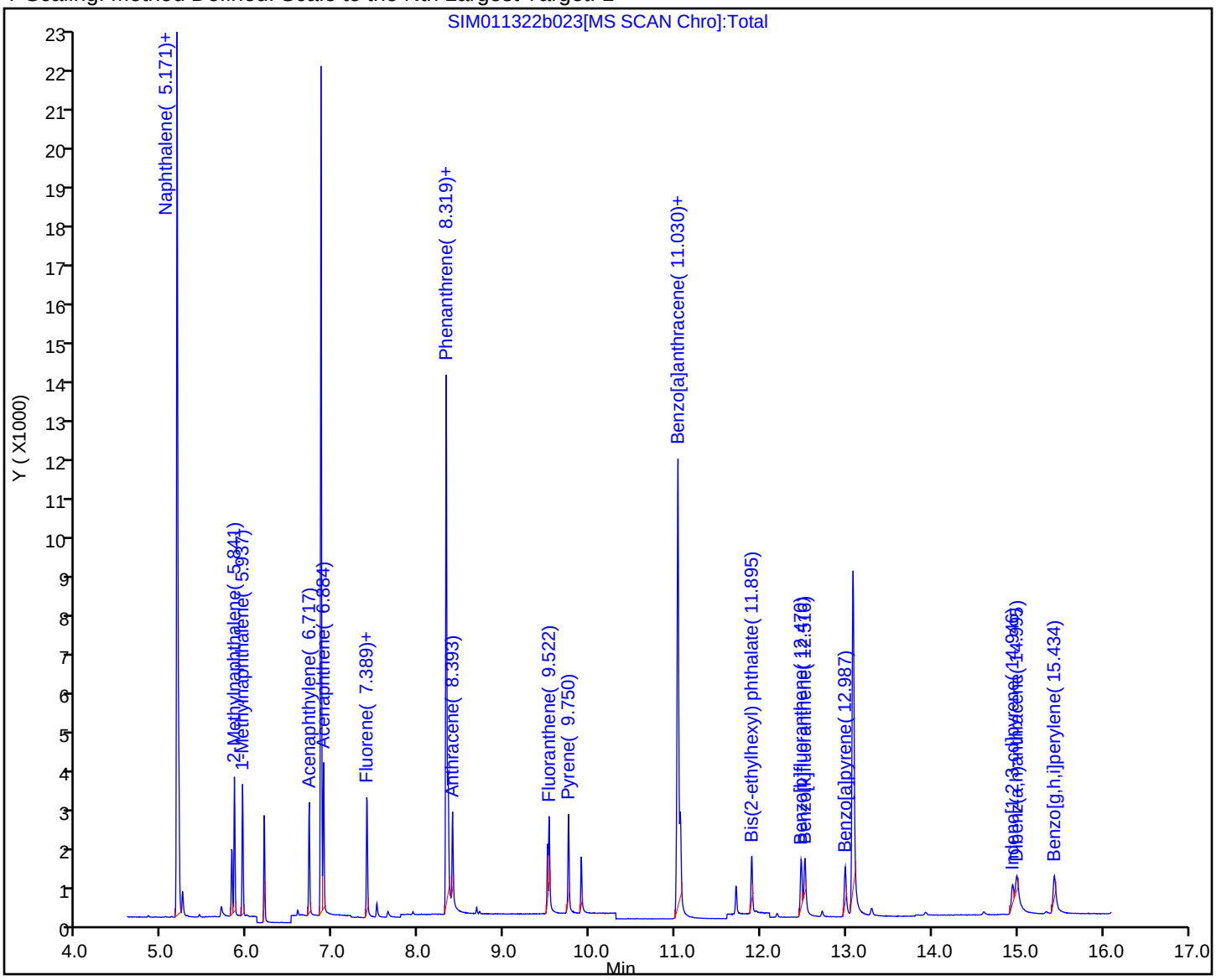
Reagents:

8270ccvl_50_00039	Amount Added: 200.00	Units: uL
8270SIM_IS_00069	Amount Added: 8.00	Units: uL

Report Date: 14-Jan-2022 15:42:19 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle

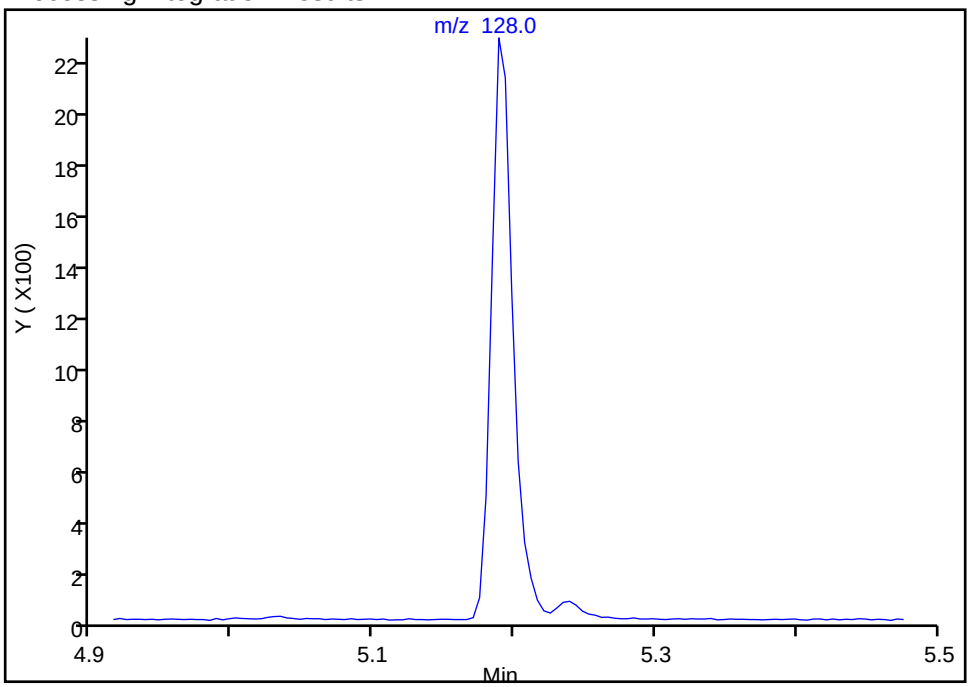
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

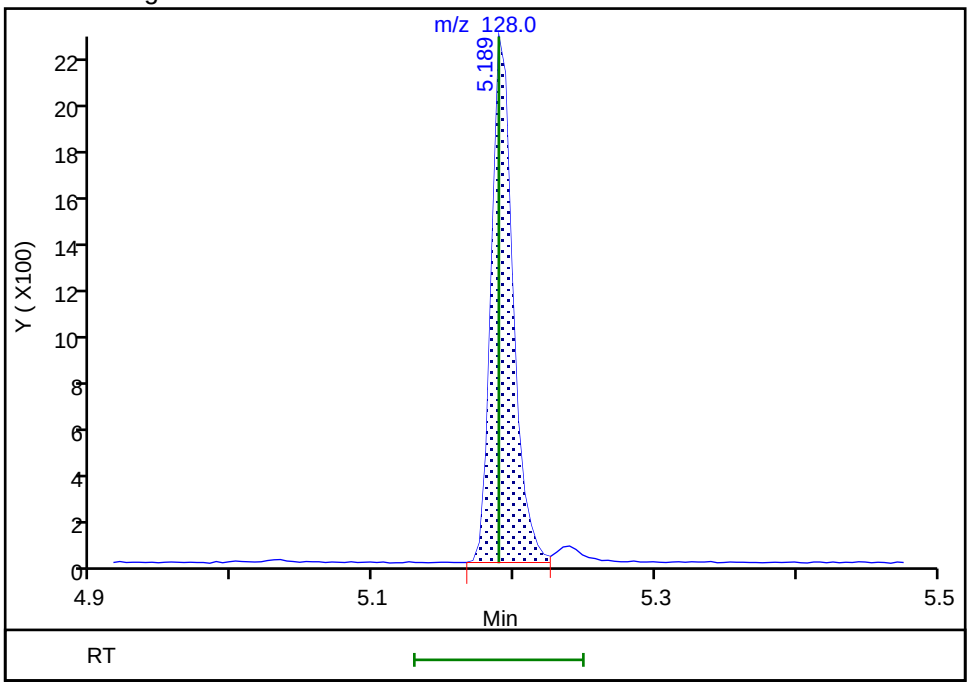
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 2280
Amount: 10.202171
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:10
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

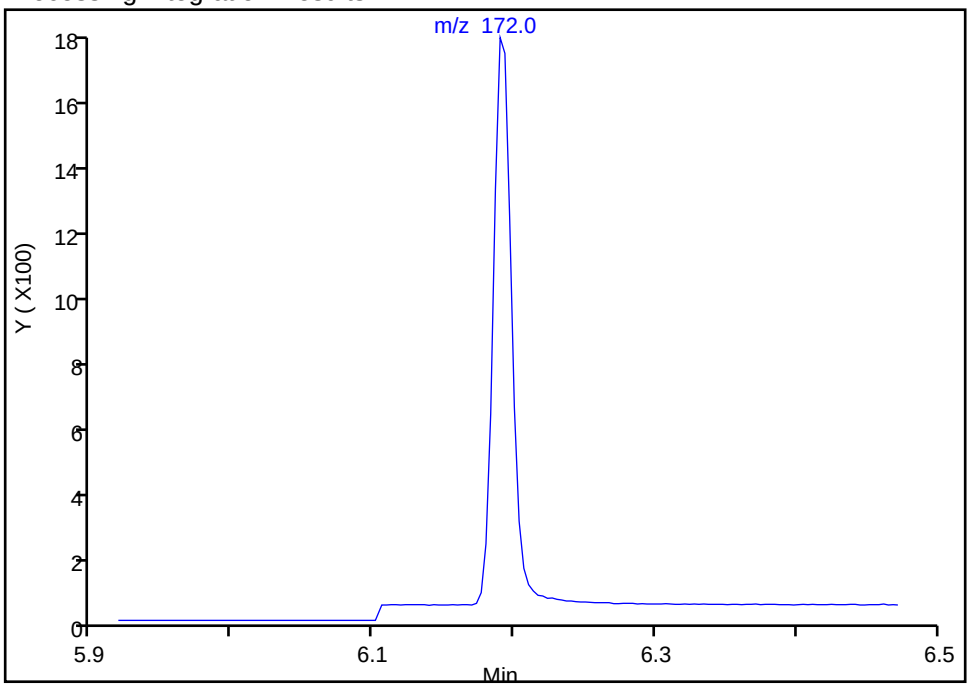
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

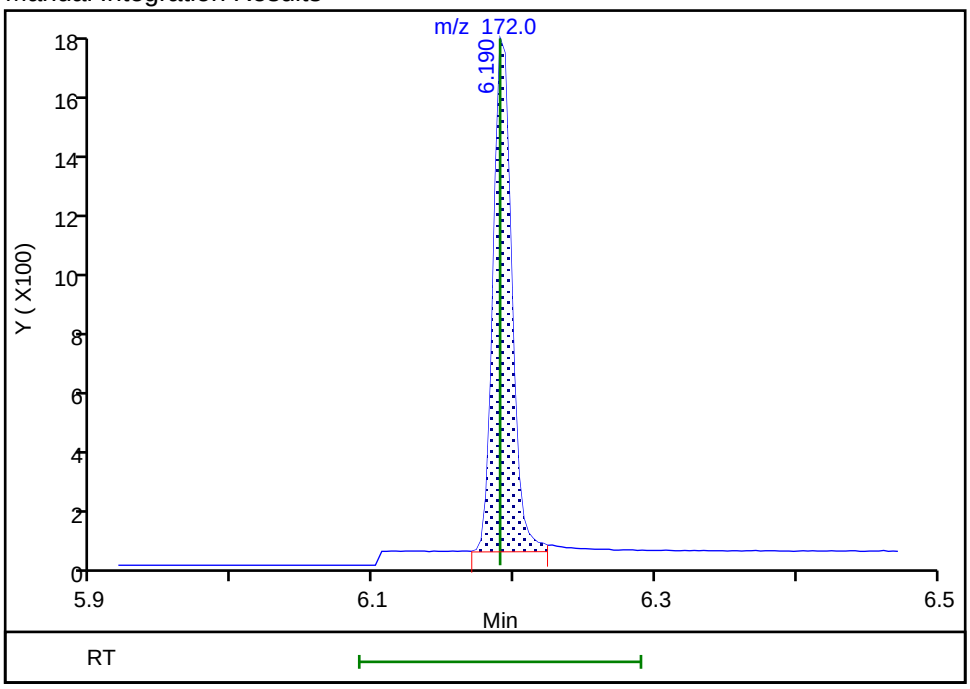
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 1552
Amount: 10.279726
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:53
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

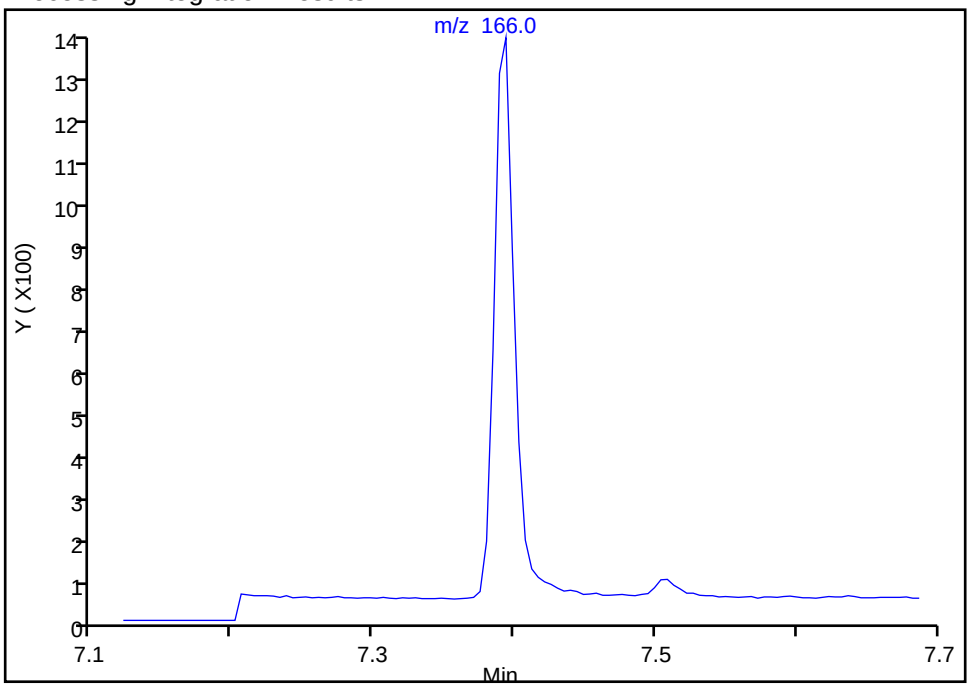
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Fluorene, CAS: 86-73-7

Signal: 1

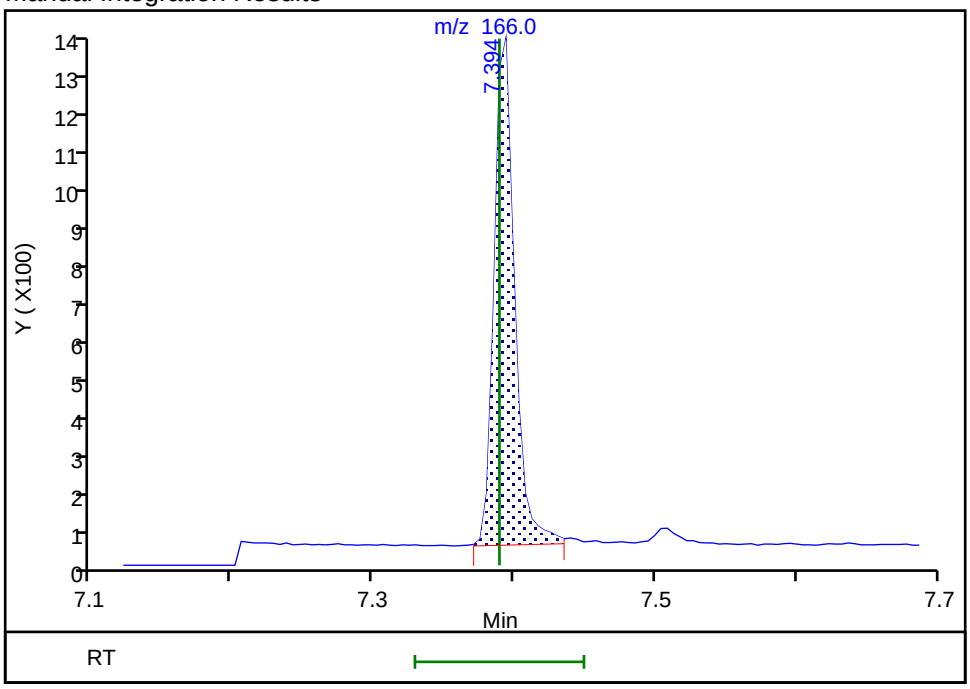
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 1345
Amount: 9.637814
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:22:04
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

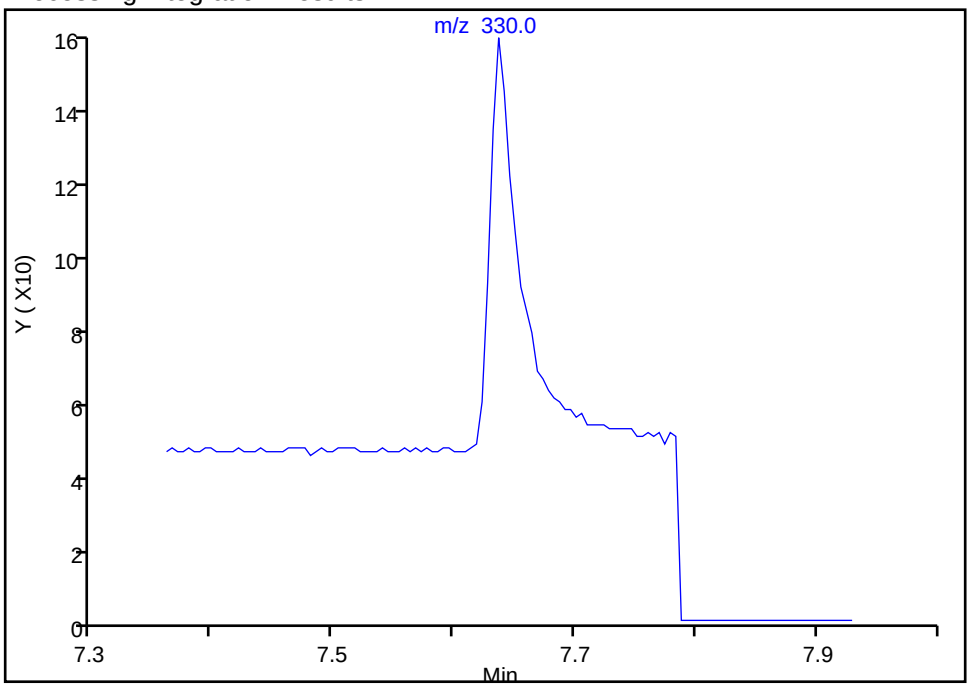
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 7 2,4,6-Tribromophenol, CAS: 118-79-6

Signal: 1

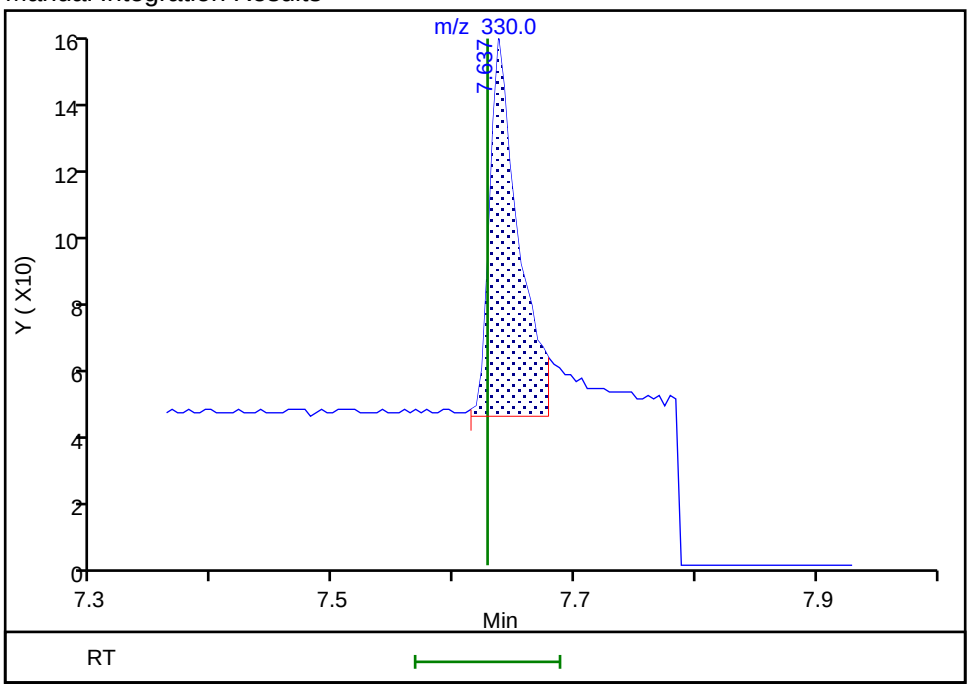
Not Detected
Expected RT: 7.63

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 178
Amount: 12.463633
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:32
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Eurofins Seattle

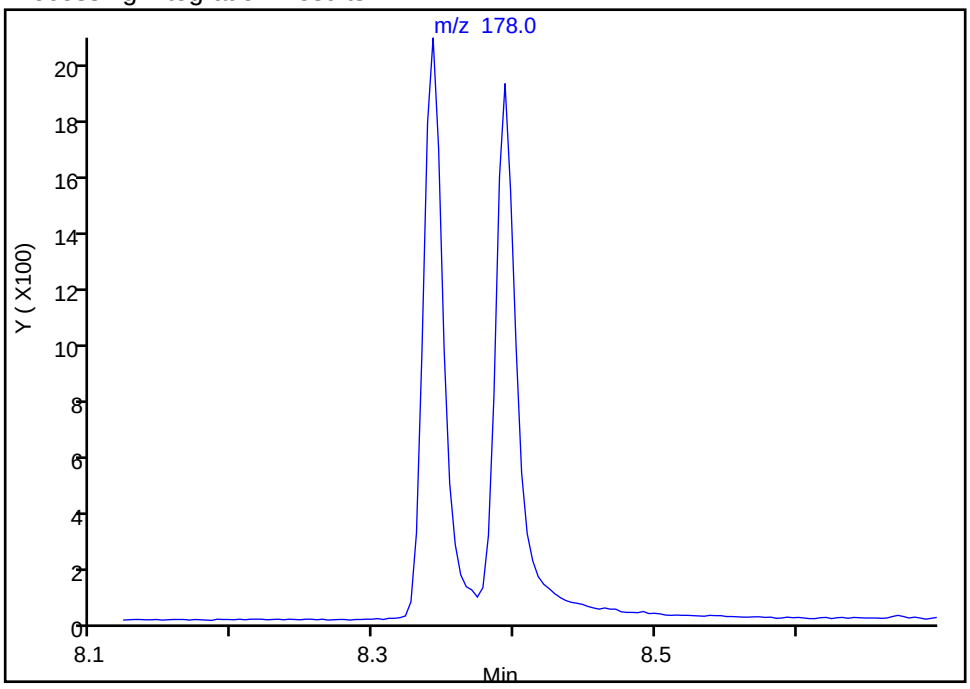
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

19 Anthracene, CAS: 120-12-7

Signal: 1

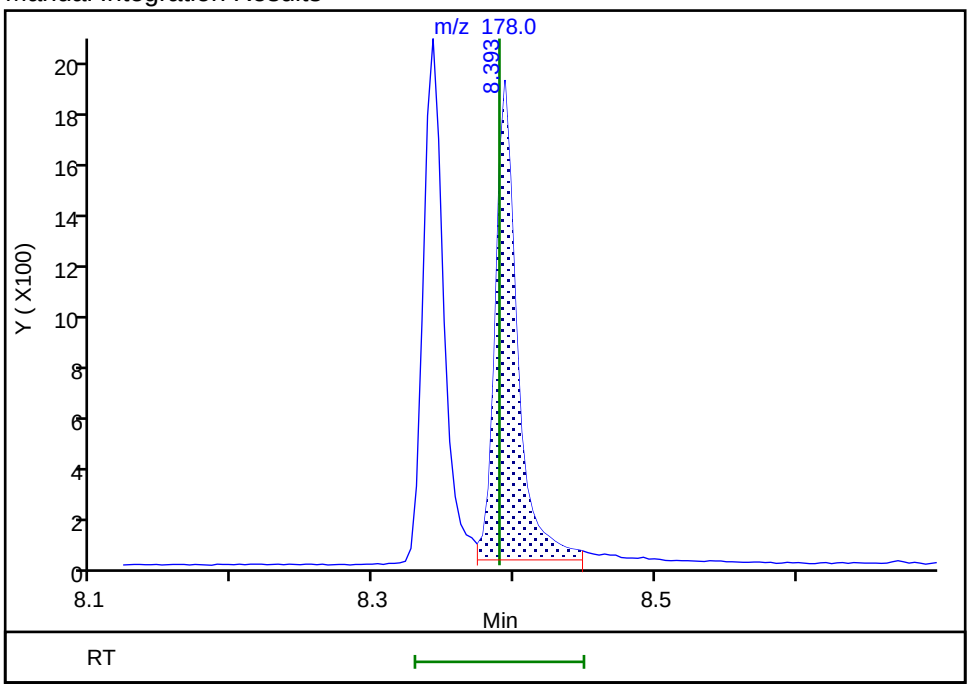
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.39
Area: 1949
Amount: 9.756345
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:46
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

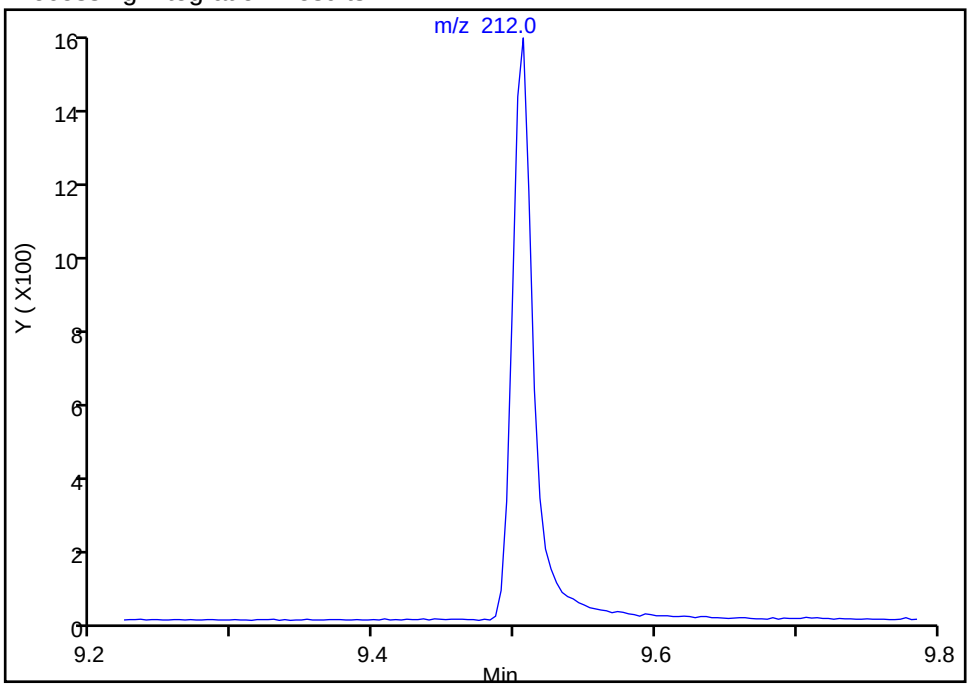
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 8 Fluoranthene-d10 (Surr), CAS: 93951-69-0

Signal: 1

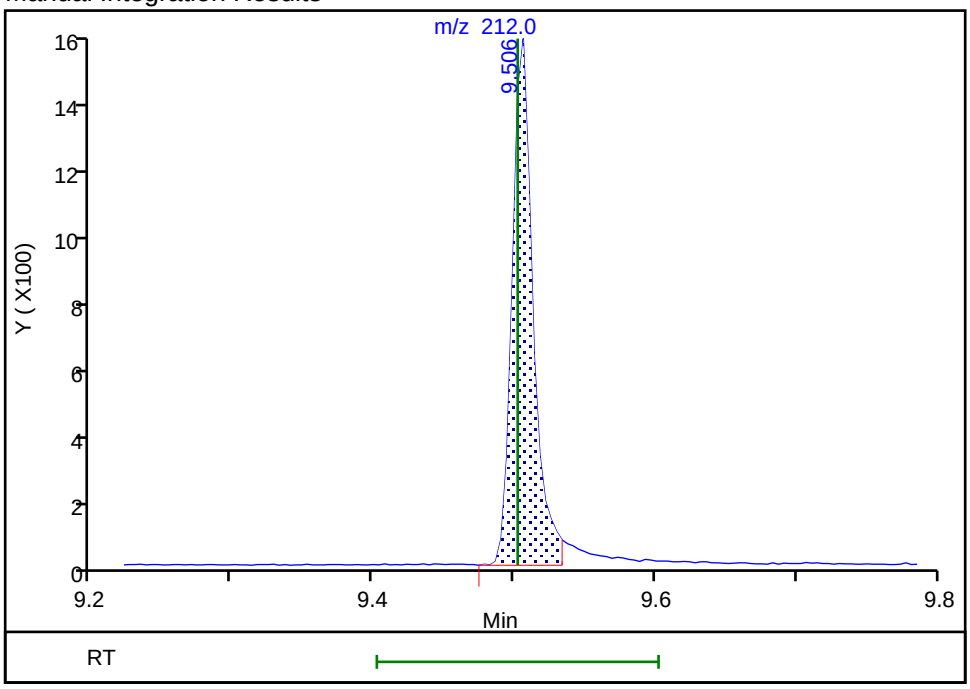
Not Detected
Expected RT: 9.50

Processing Integration Results



Manual Integration Results

RT: 9.51
Area: 1556
Amount: 9.295836
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:24
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

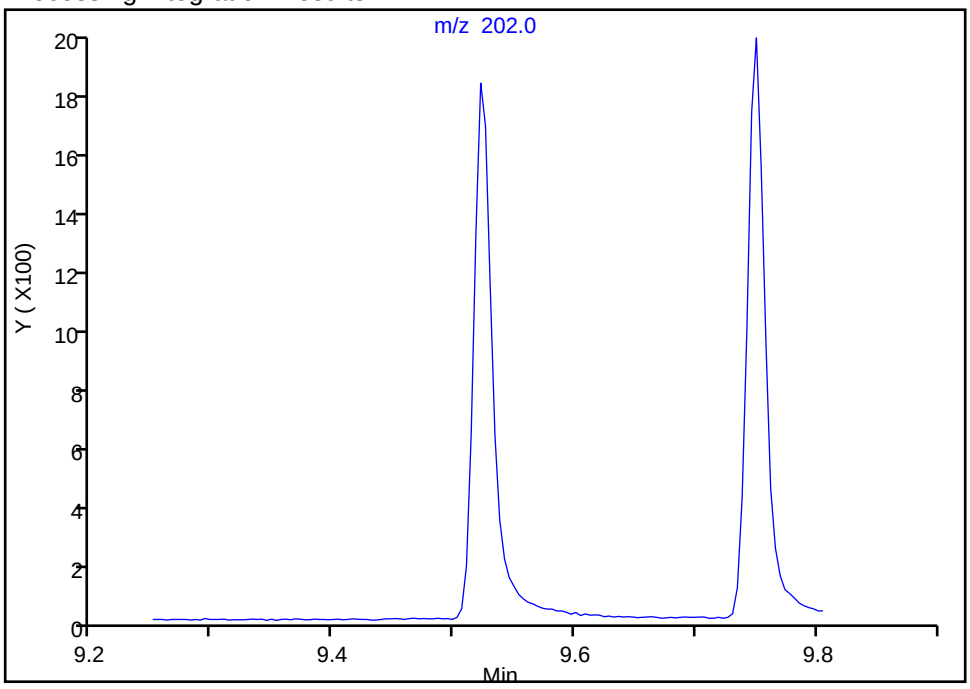
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Fluoranthene, CAS: 206-44-0

Signal: 1

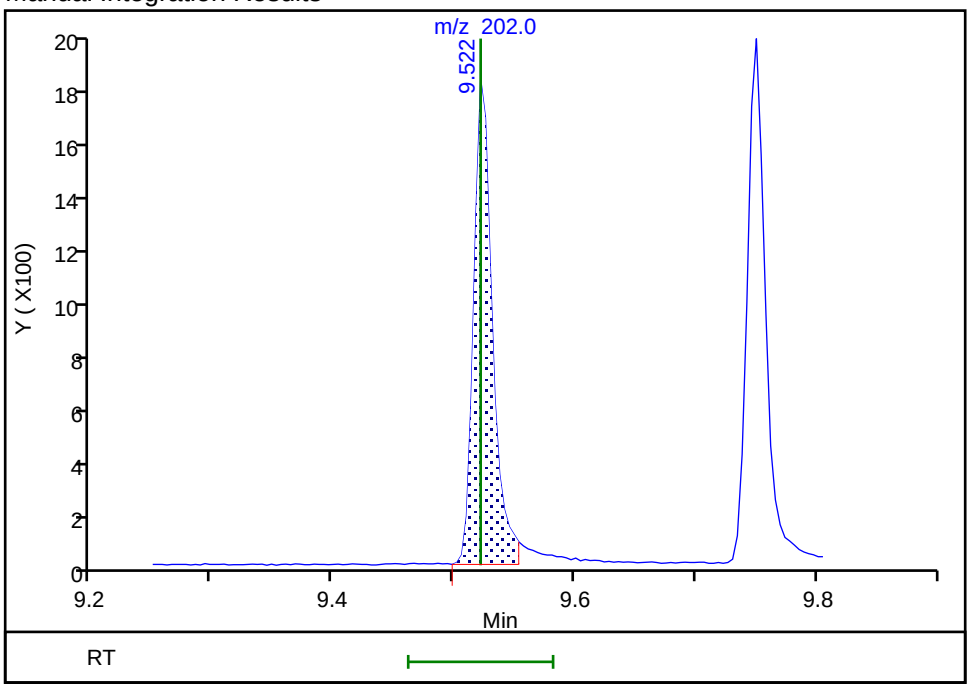
Not Detected
Expected RT: 9.52

Processing Integration Results



Manual Integration Results

RT: 9.52
Area: 1885
Amount: 9.371987
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:31
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

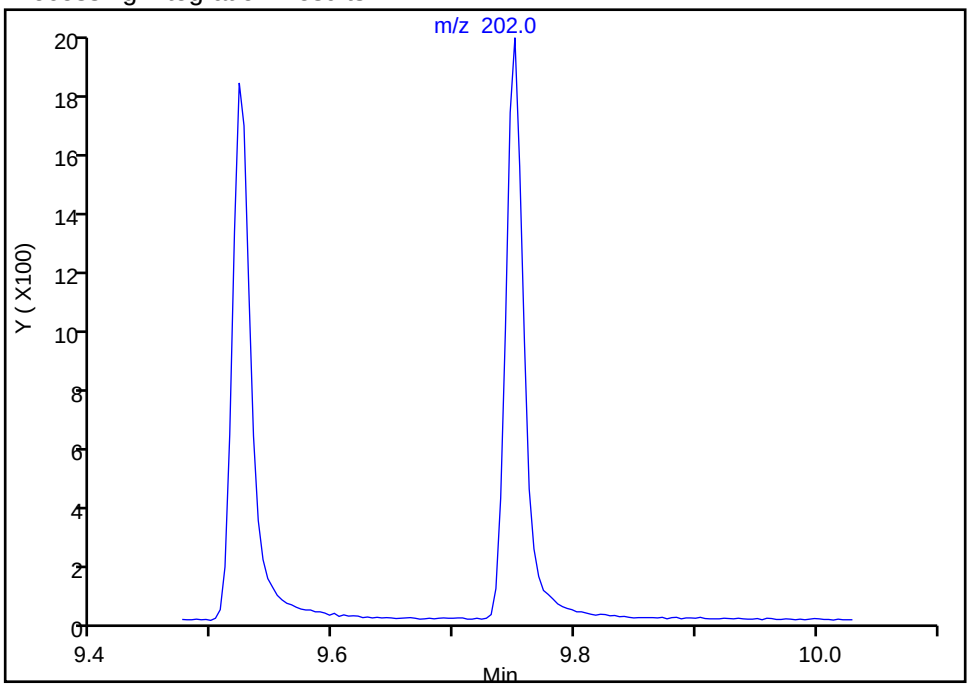
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

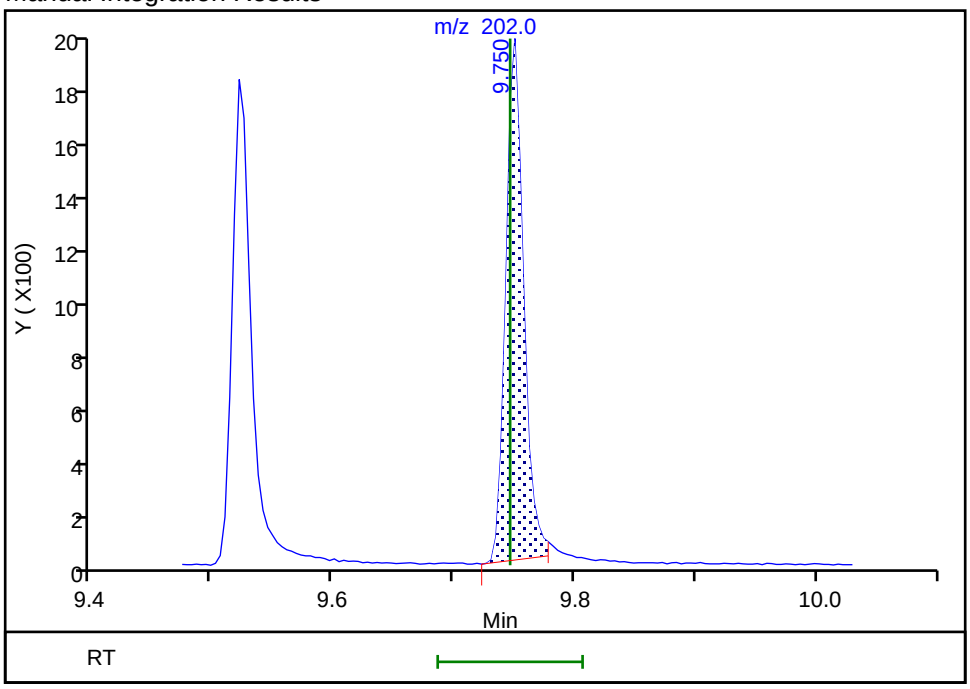
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 1921
Amount: 8.966867
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:24
Audit Action: Assigned Compound ID Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

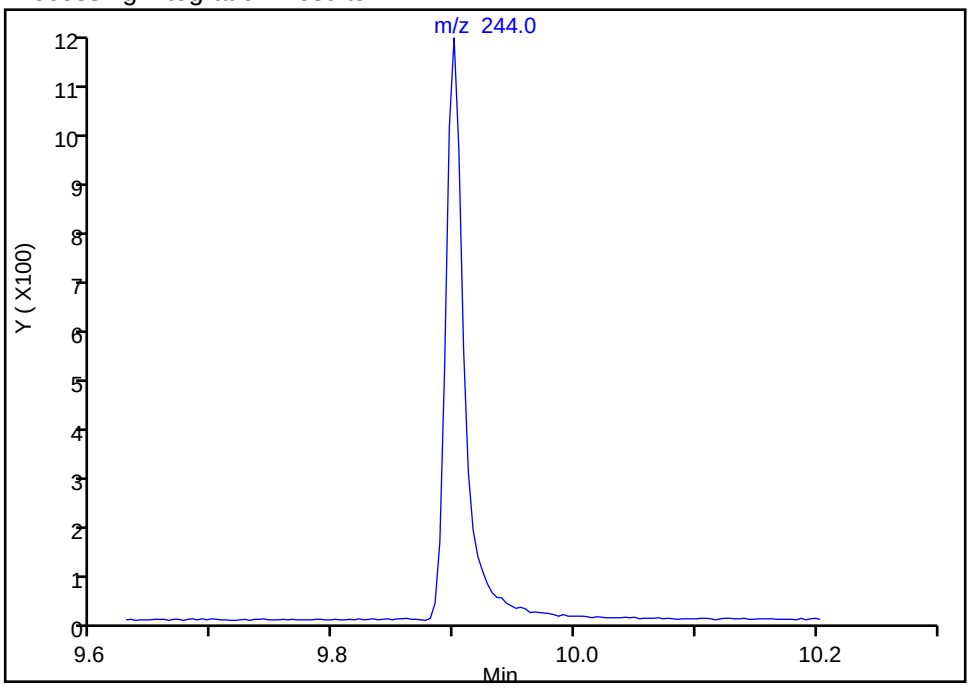
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 9 Terphenyl-d14, CAS: 1718-51-0

Signal: 1

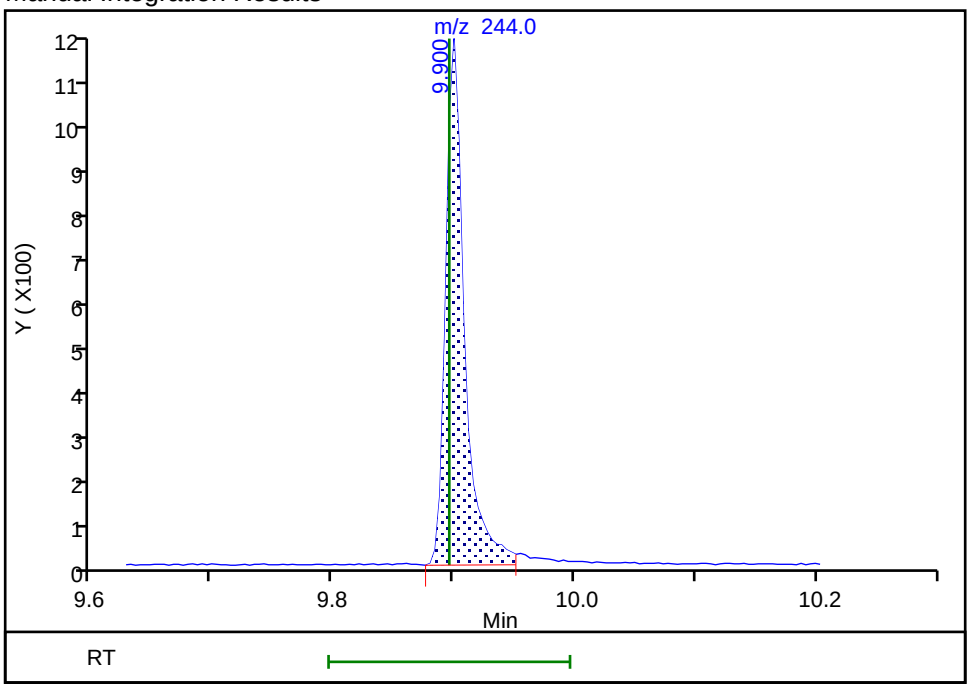
Not Detected
Expected RT: 9.90

Processing Integration Results



Manual Integration Results

RT: 9.90
Area: 1200
Amount: 10.397832
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:23:21
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

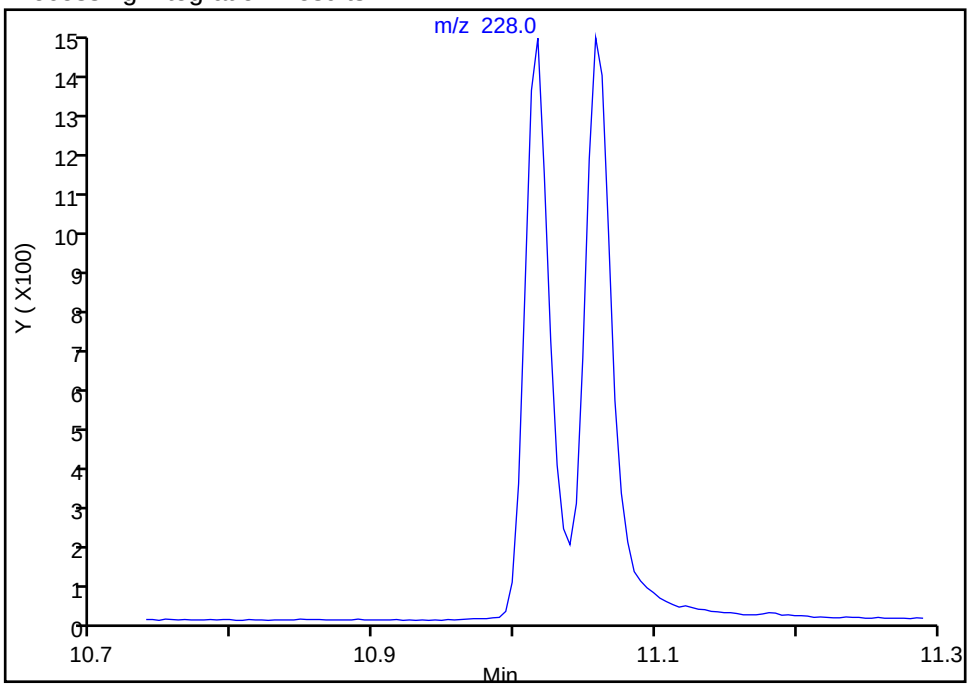
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

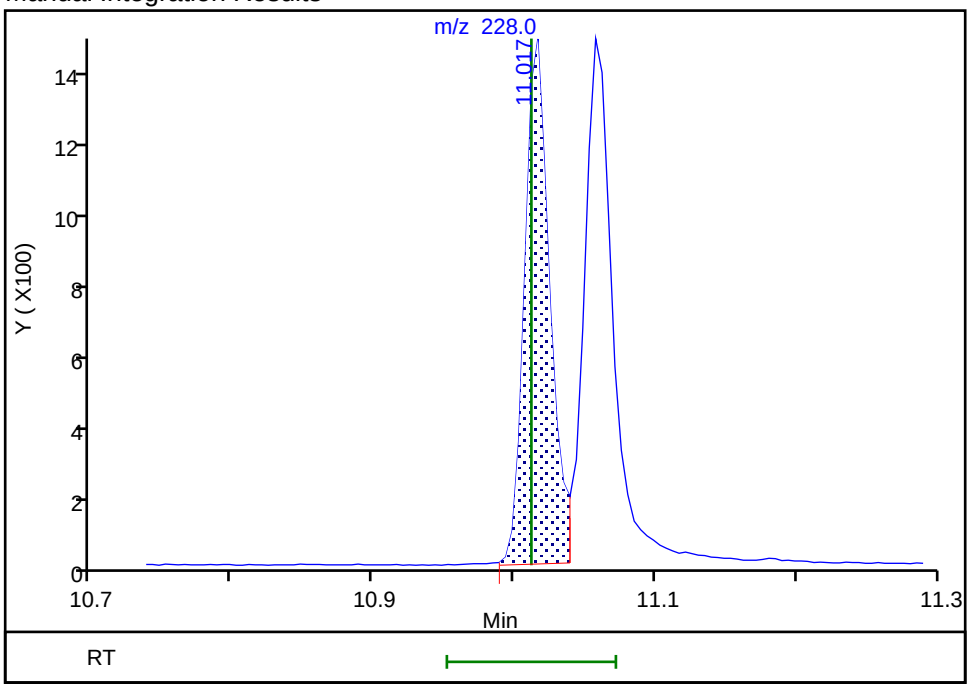
Not Detected
Expected RT: 11.01

Processing Integration Results



Manual Integration Results

RT: 11.02
Area: 1677
Amount: 9.138805
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:20
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

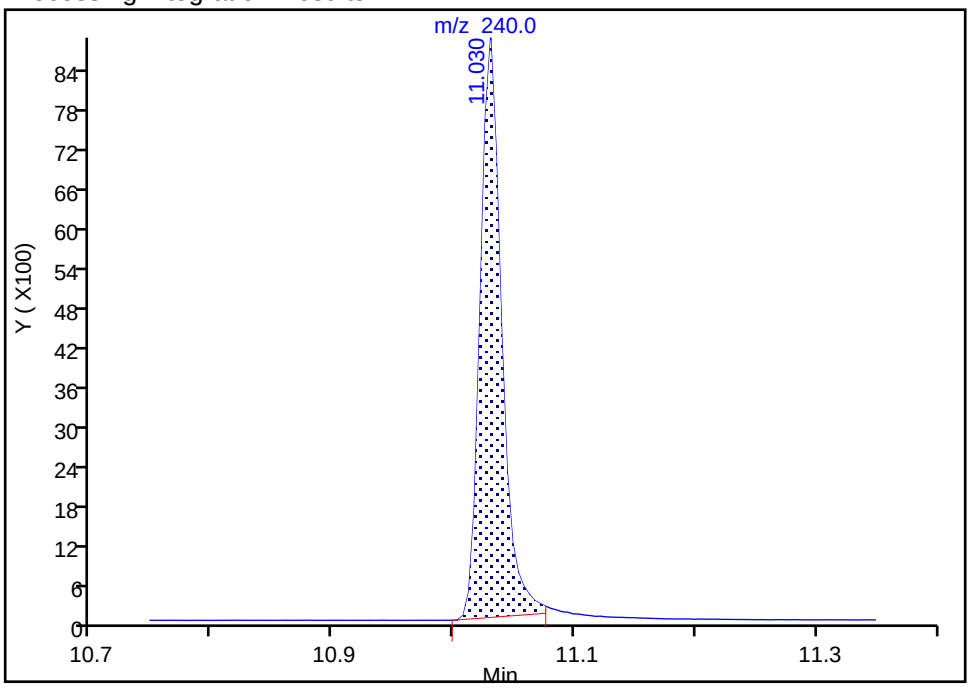
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

* 4 Chrysene-d12, CAS: 1719-03-5

Signal: 1

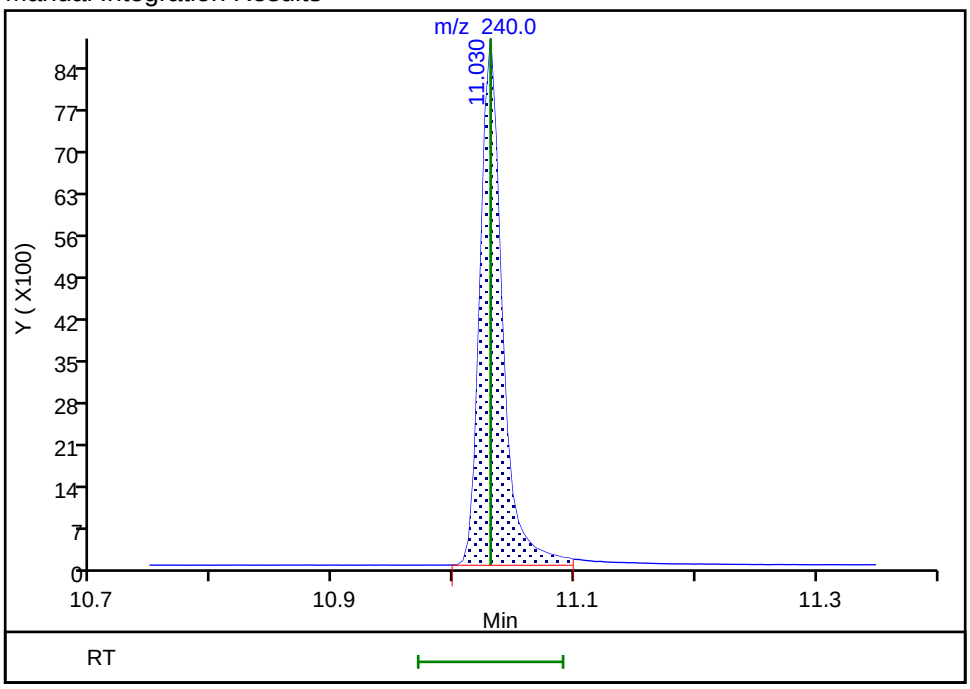
Processing Integration Results

RT: 11.03
Area: 10718
Amount: 100.0000
Amount Units: ug/L



Manual Integration Results

RT: 11.03
Area: 11178
Amount: 100.0000
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:36:05
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

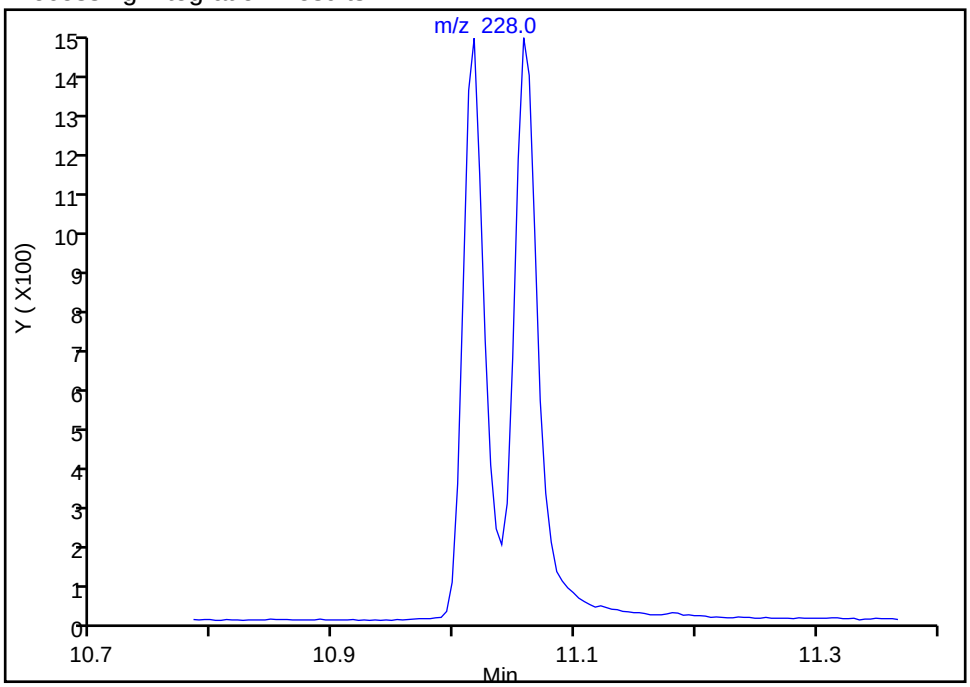
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D
Injection Date: 14-Jan-2022 04:07:30 Instrument ID: TAC050
Lims ID: std4
Client ID:
Operator ID: jcm ALS Bottle#: 13 Worklist Smp#: 13
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Chrysene, CAS: 218-01-9

Signal: 1

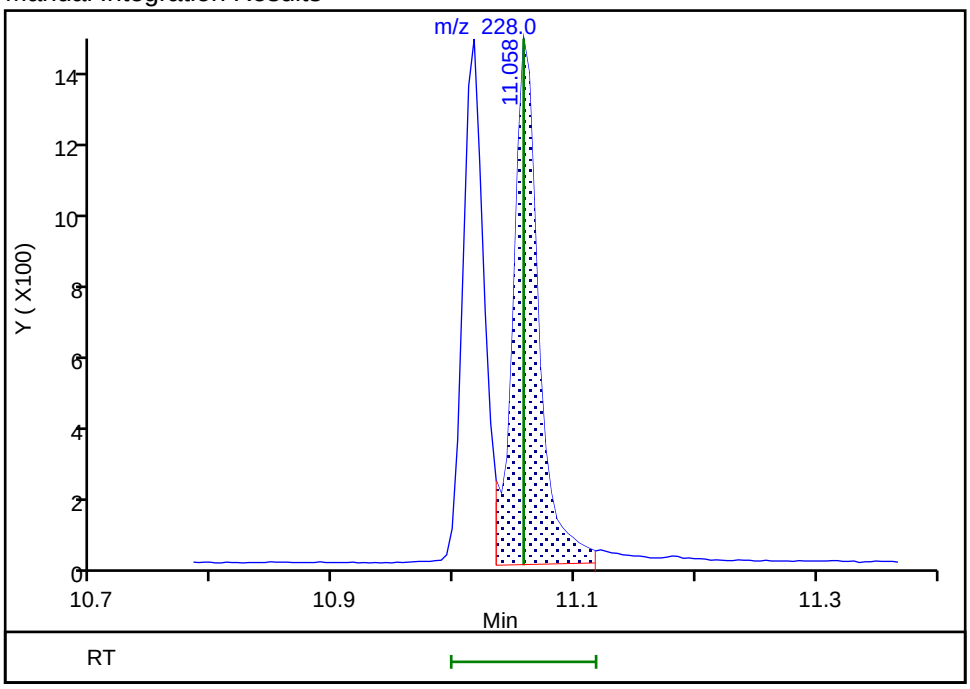
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 2005
Amount: 10.490072
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:14
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

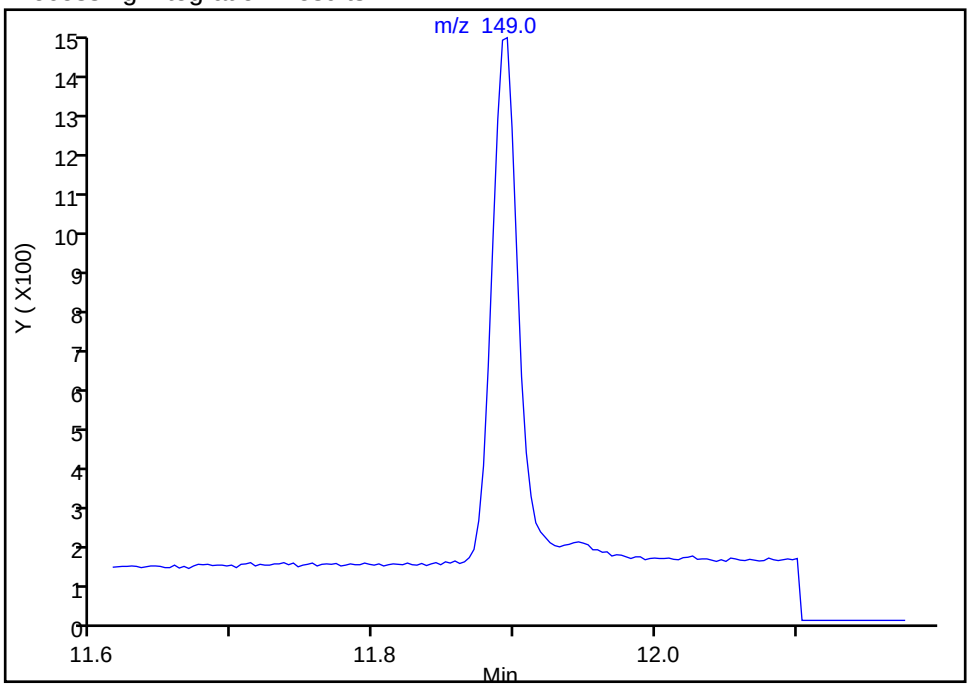
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

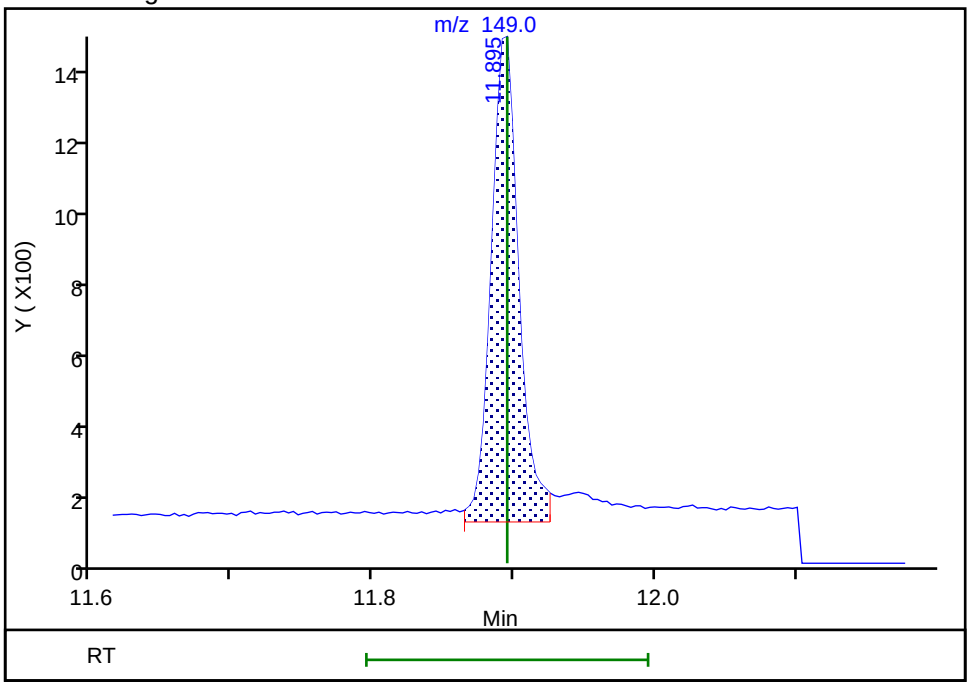
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 1754
Amount: 8.596257
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:09
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

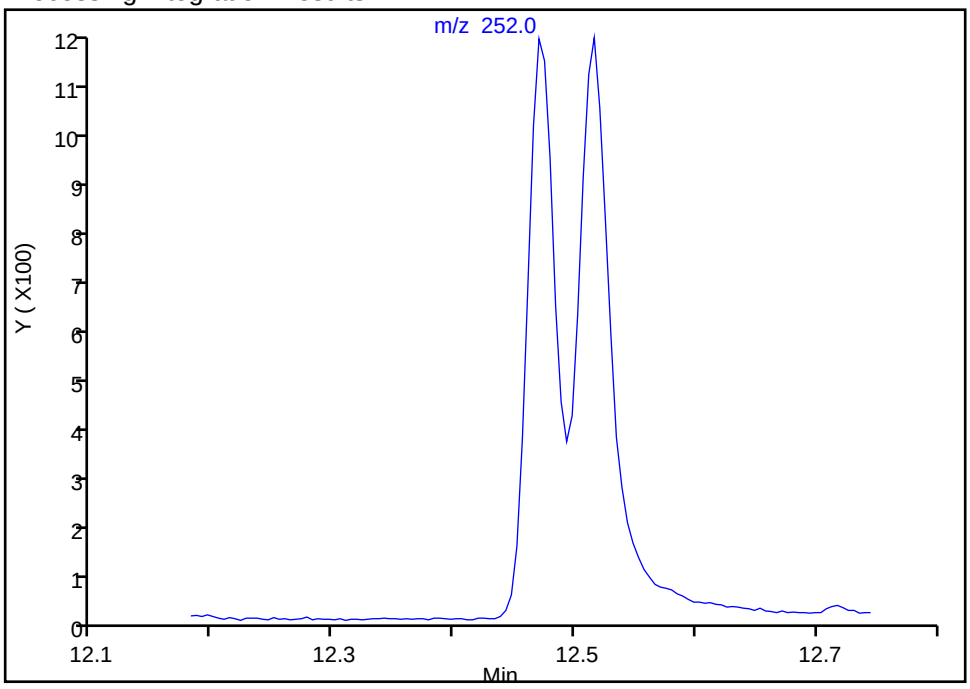
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

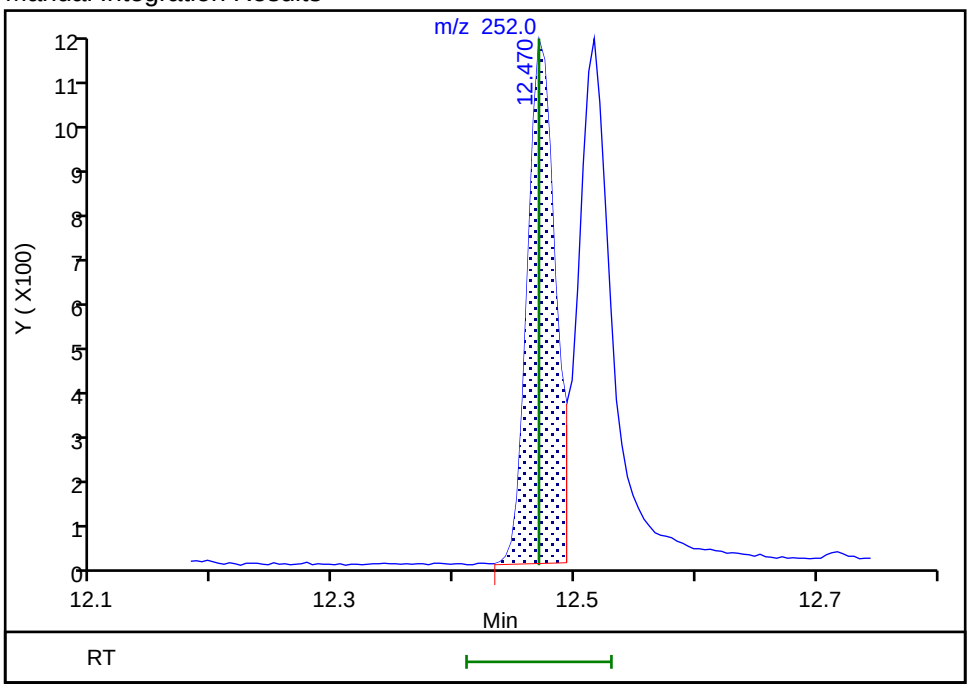
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 1654
Amount: 9.192187
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:06
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

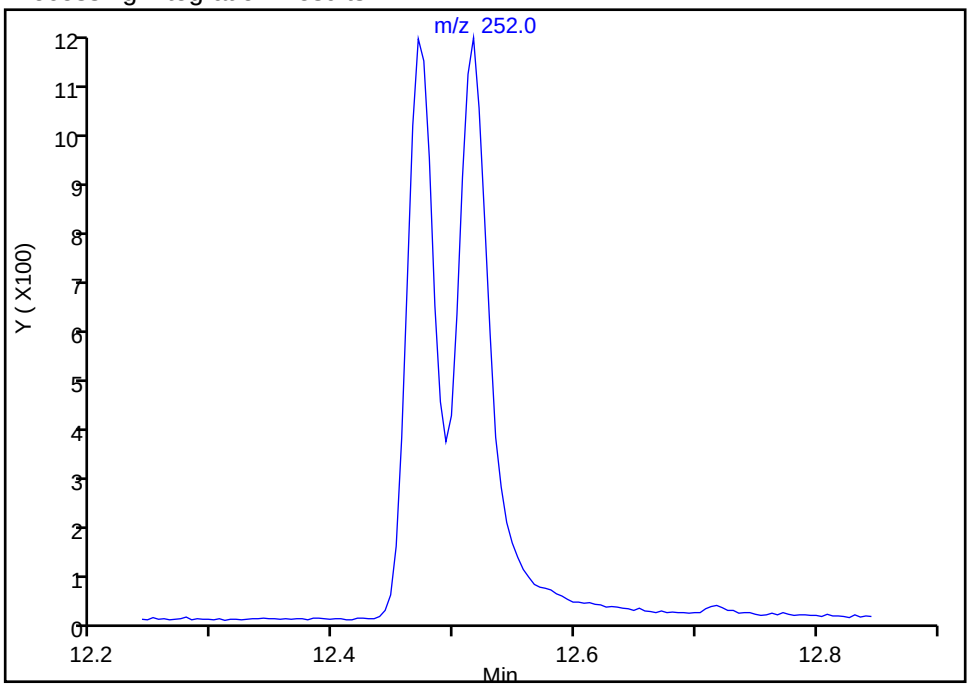
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

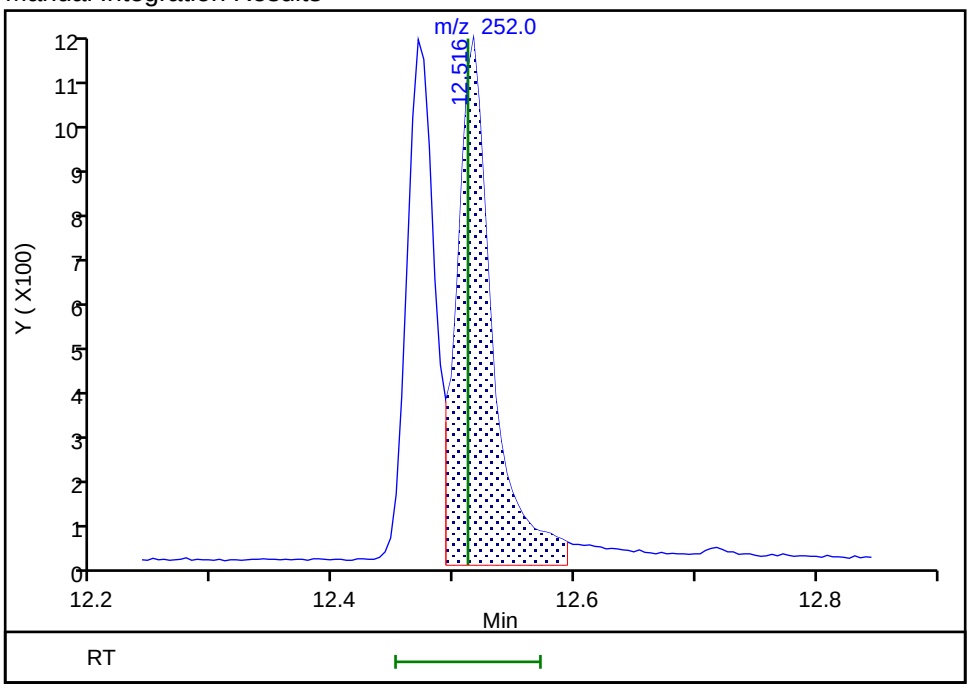
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 2146
Amount: 10.796595
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:21:01
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

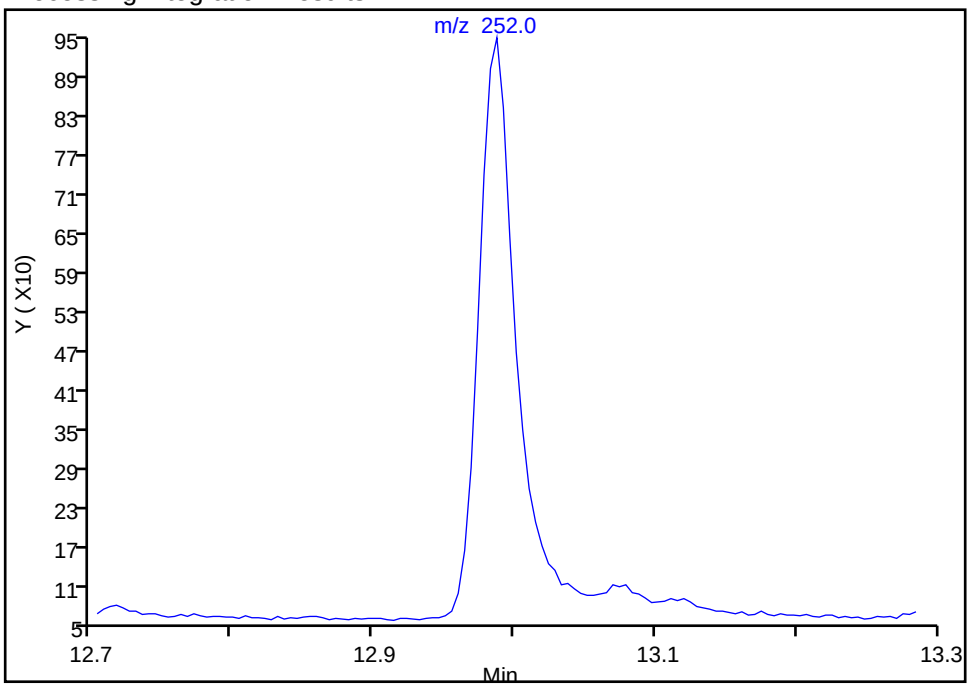
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

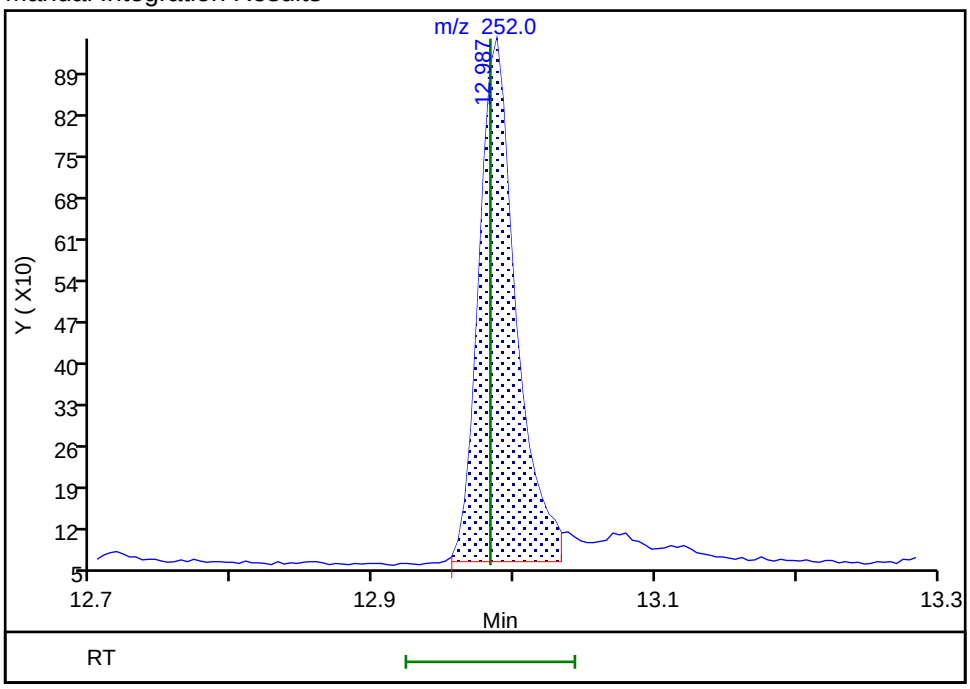
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 1600
Amount: 8.885143
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:58
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

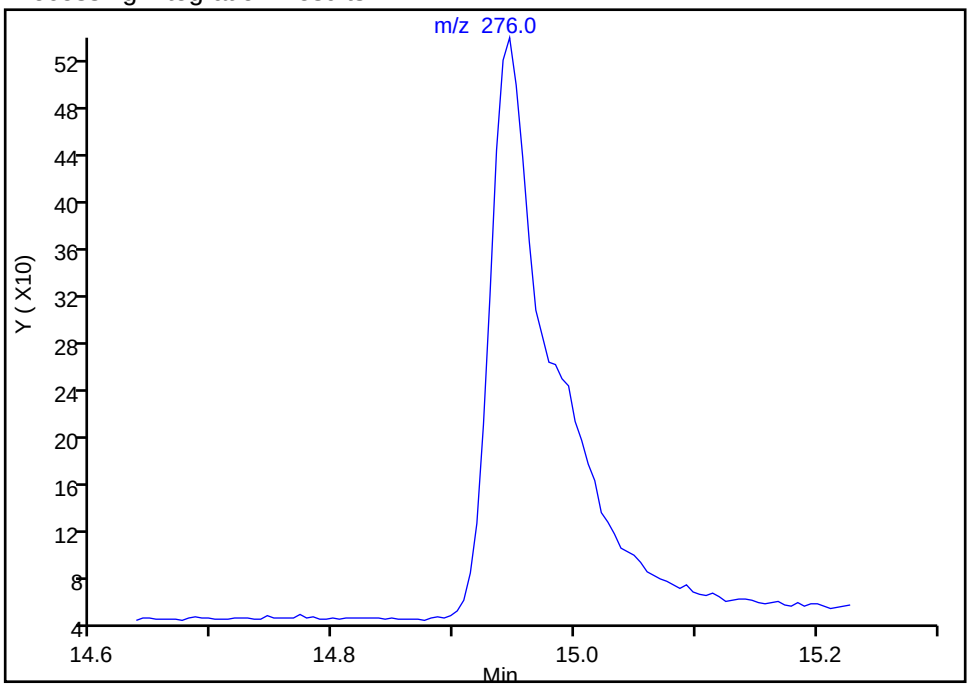
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

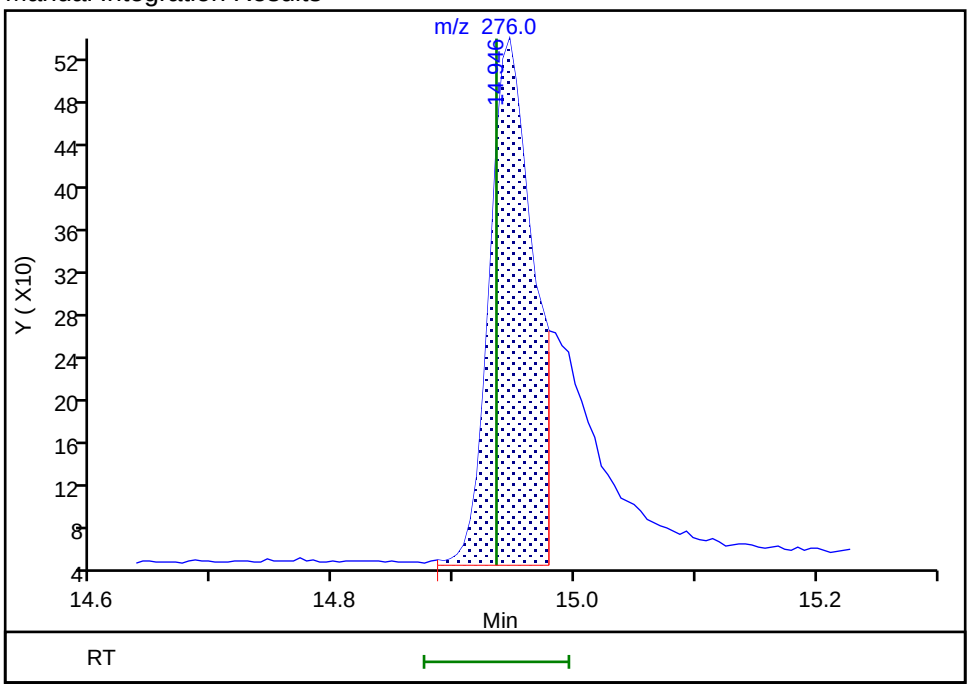
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.95
Area: 1224
Amount: 9.076876
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:51
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

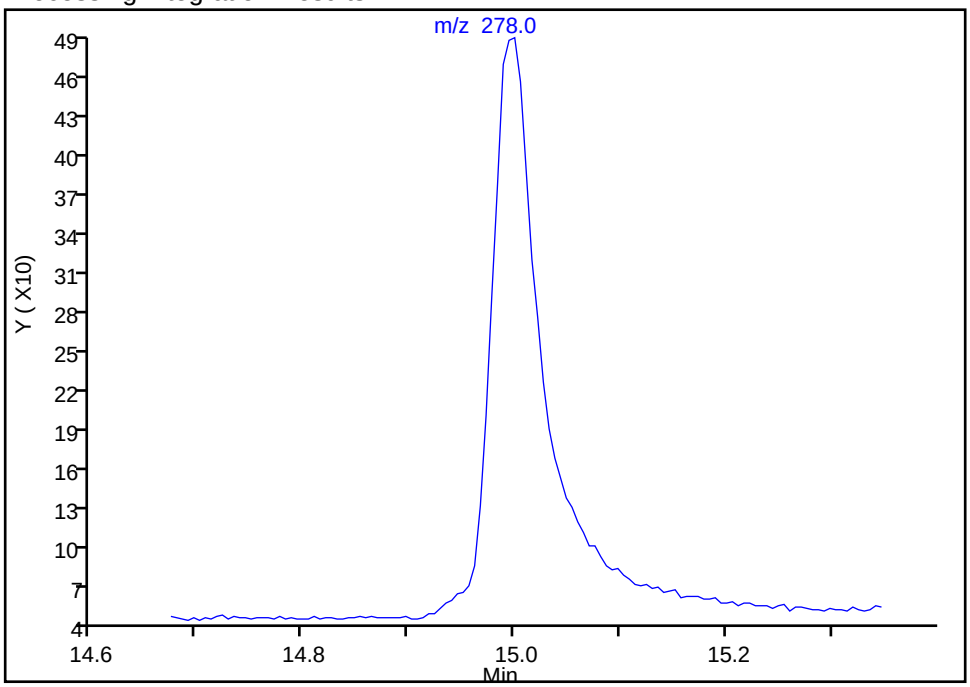
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

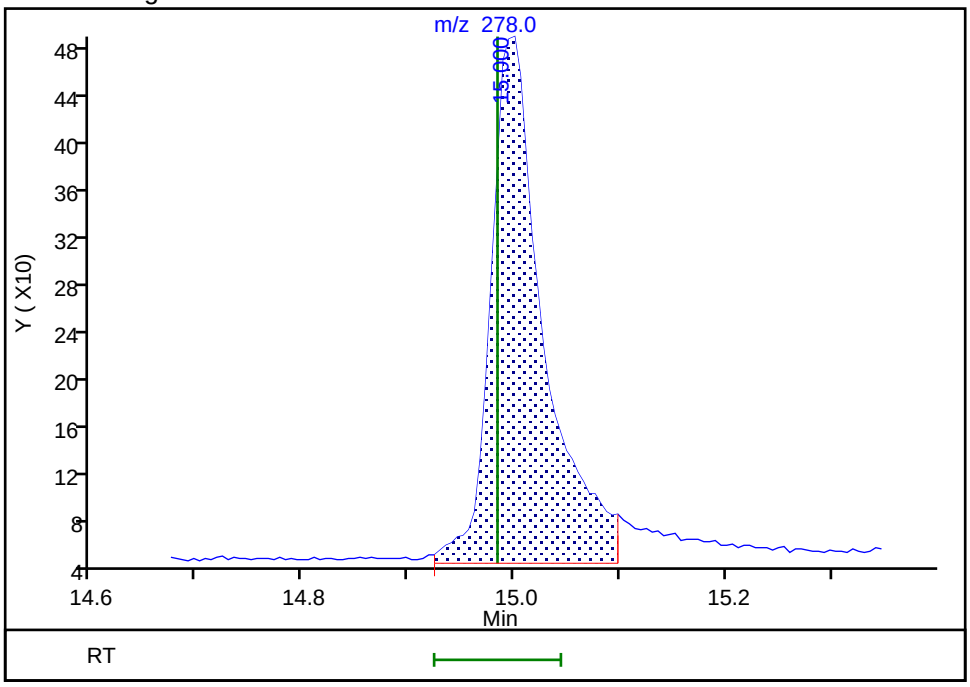
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 15.00
Area: 1524
Amount: 8.962254
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:46
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

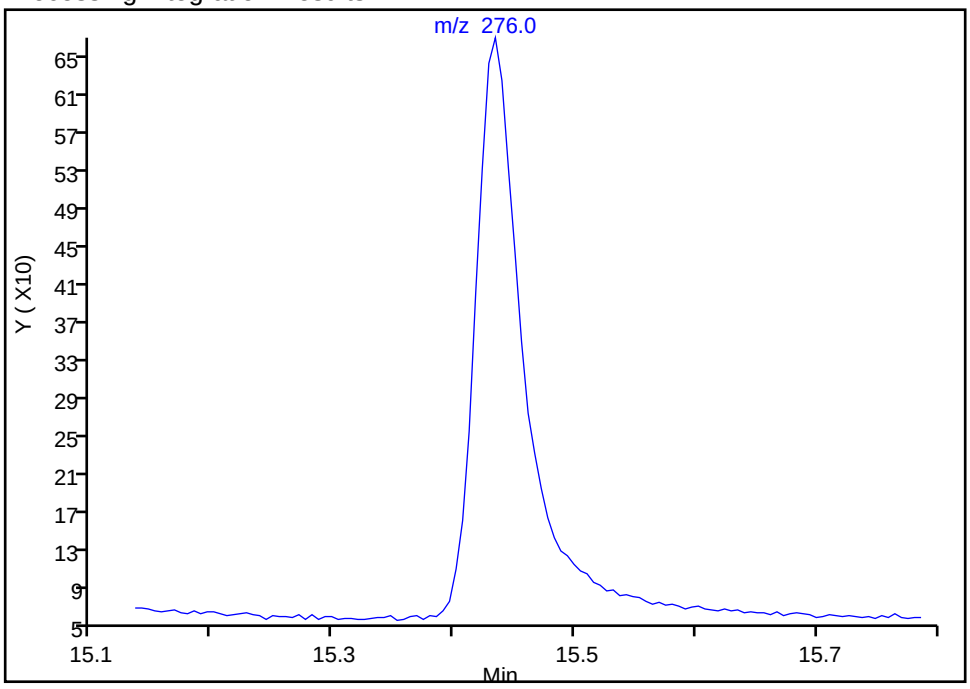
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b023.D				
Injection Date:	14-Jan-2022 04:07:30	Instrument ID:	TAC050		
Lims ID:	std4				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	13	Worklist Smp#:	13
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

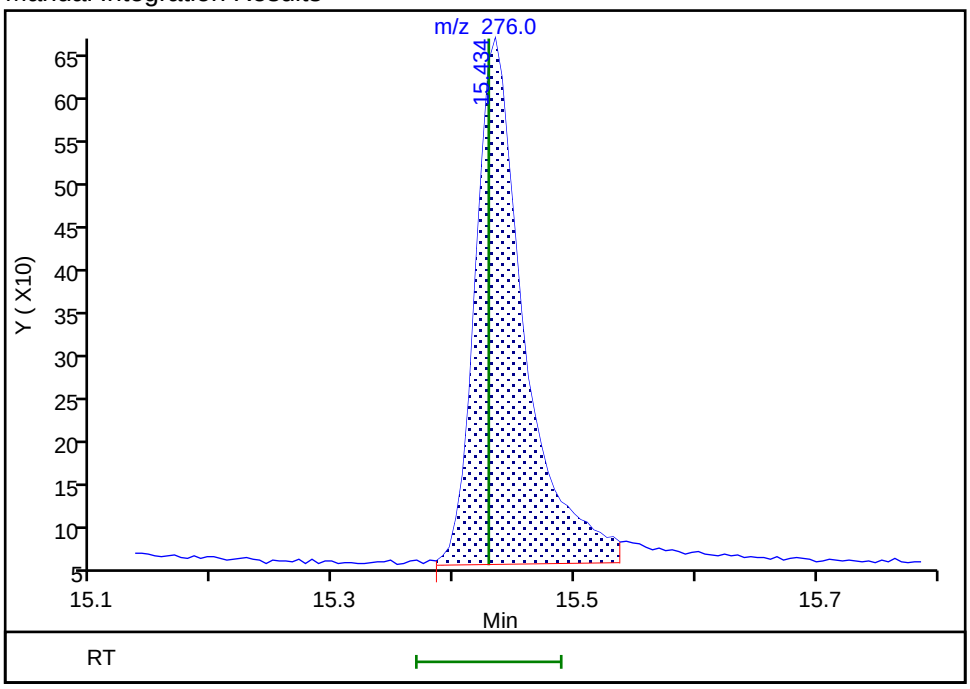
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.43
Area: 1725
Amount: 9.273472
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:19:41
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Lims ID: std3
Client ID:
Sample Type: IC Calib Level: 3
Inject. Date: 14-Jan-2022 04:26:30 ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 3
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:20 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:18:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	22788	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	69	10125	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	15677	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	49	12288	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.074	0.005	69	14073	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	674	5.00	5.00	M
$ 10 2-Fluorobiphenyl	172	6.193	6.190	0.003	0	854	5.00	5.27	M
$ 7 2,4,6-Tribromophenol	330	7.637	7.628	0.009	58	113	5.00	9.58	M
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.502	0.004	68	1038	5.00	5.24	M
$ 9 Terphenyl-d14	244	9.900	9.896	0.004	94	782	5.00	6.22	M
11 Naphthalene	128	5.189	5.189	0.000	100	1258	5.00	5.22	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	702	5.00	5.14	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	99	671	5.00	5.07	M
14 Acenaphthylene	152	6.717	6.717	0.000	100	1063	5.00	4.97	M
15 Acenaphthene	153	6.884	6.884	0.000	95	682	5.00	5.08	
16 Fluorene	166	7.394	7.389	0.005	96	762	5.00	5.09	M
18 Phenanthrene	178	8.342	8.342	0.000	100	1265	5.00	5.29	M
19 Anthracene	178	8.393	8.389	0.004	98	1238	5.00	5.31	M
20 Fluoranthene	202	9.522	9.522	0.000	52	1256	5.00	5.28	M
21 Pyrene	202	9.750	9.746	0.004	29	1375	5.00	5.47	M
22 Benzo[a]anthracene	228	11.012	11.012	0.000	89	1118	5.00	5.03	M
23 Chrysene	228	11.058	11.057	0.001	99	1221	5.00	5.15	M
30 Bis(2-ethylhexyl) phthalate	149	11.891	11.895	-0.004	0	1083	5.00	4.52	M
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	1076	5.00	5.05	M
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	95	1238	5.00	5.23	M
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	1088	5.00	5.13	M
27 Indeno[1,2,3-cd]pyrene	276	14.940	14.935	0.005	96	804	5.00	5.46	M
28 Dibenz(a,h)anthracene	278	14.995	14.984	0.011	95	1020	5.00	5.16	M
29 Benzo[g,h,i]perylene	276	15.434	15.429	0.005	91	1138	5.00	5.22	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

Reagents:

8270ccvl_50_00039	Amount Added: 100.00	Units: uL
8270SIM_IS_00069	Amount Added: 9.00	Units: uL

Report Date: 14-Jan-2022 15:42:21 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D

Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050

Lims ID: std3

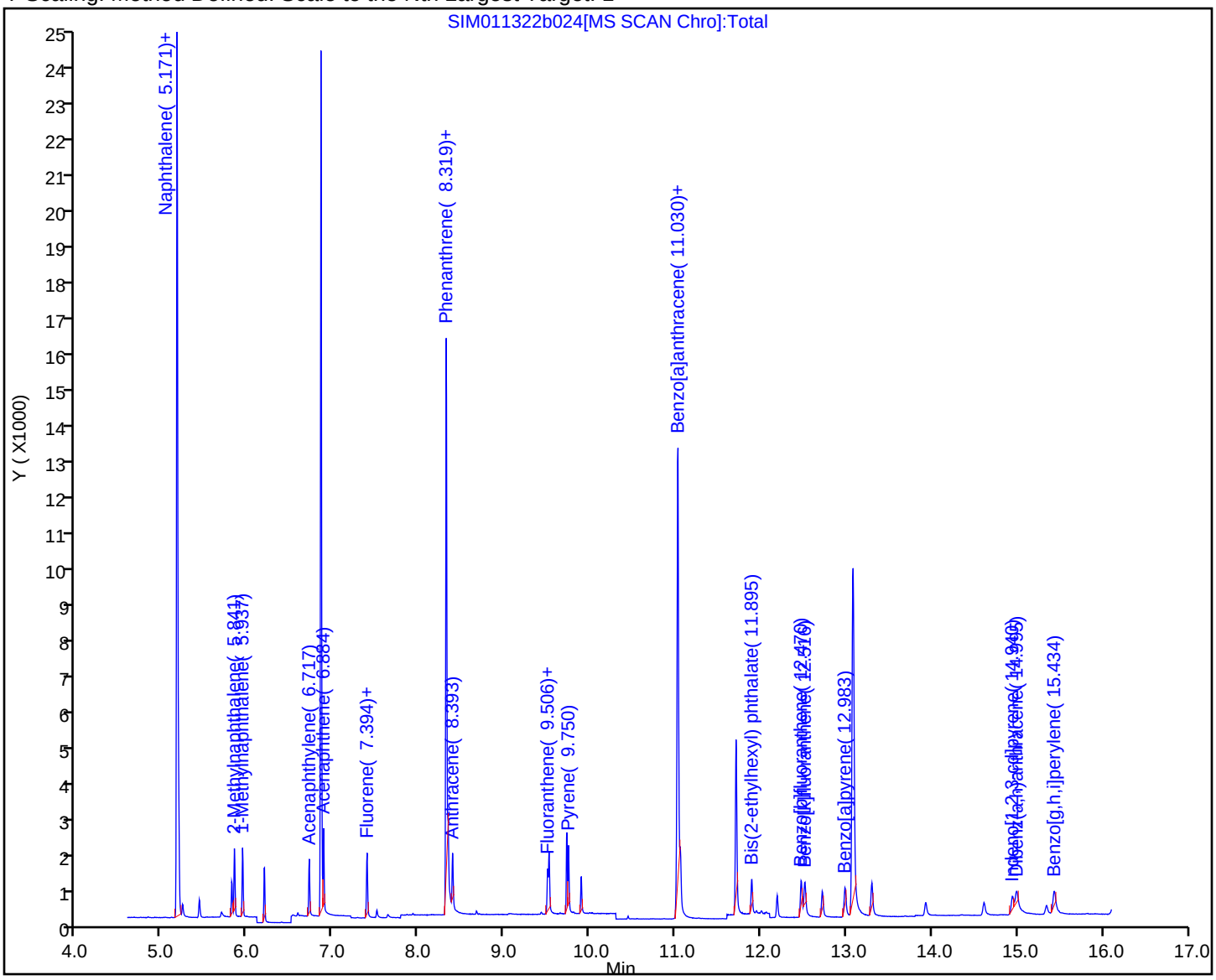
Client ID:

Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

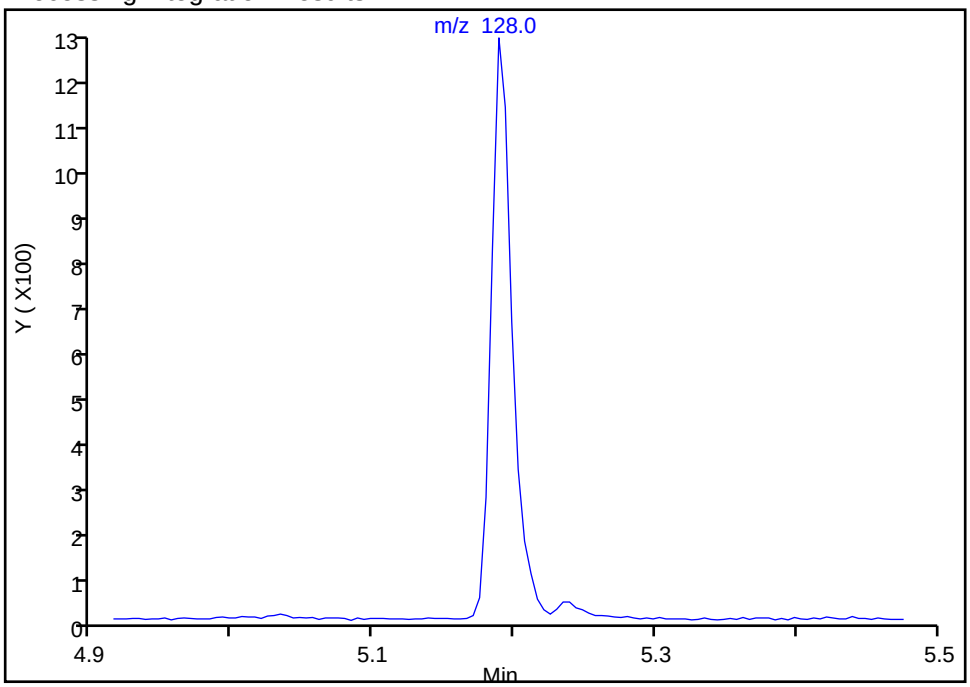
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

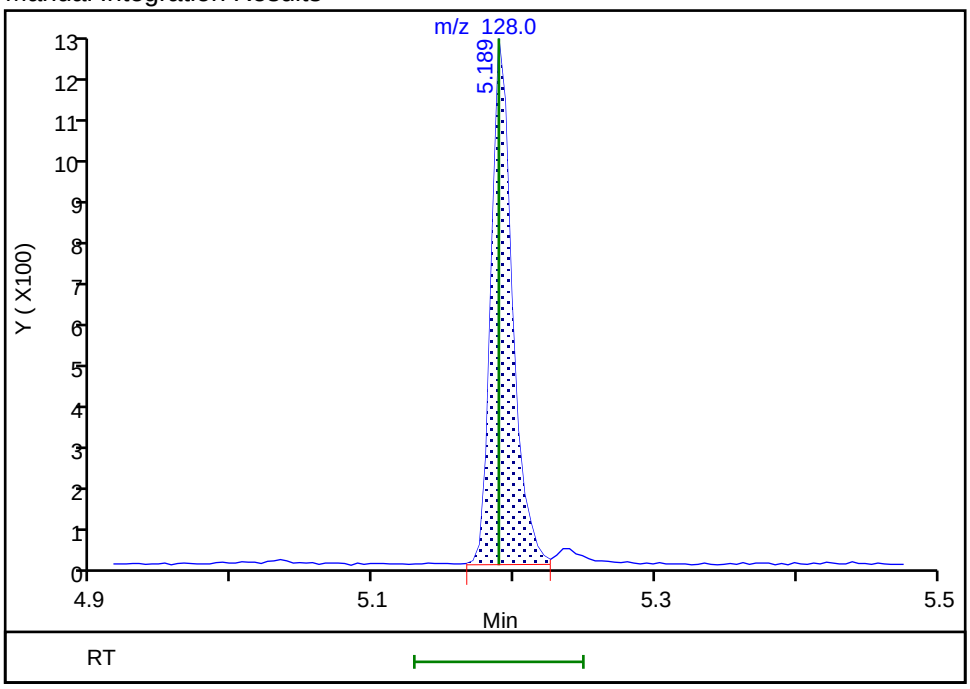
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 1258
Amount: 5.219533
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:06
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

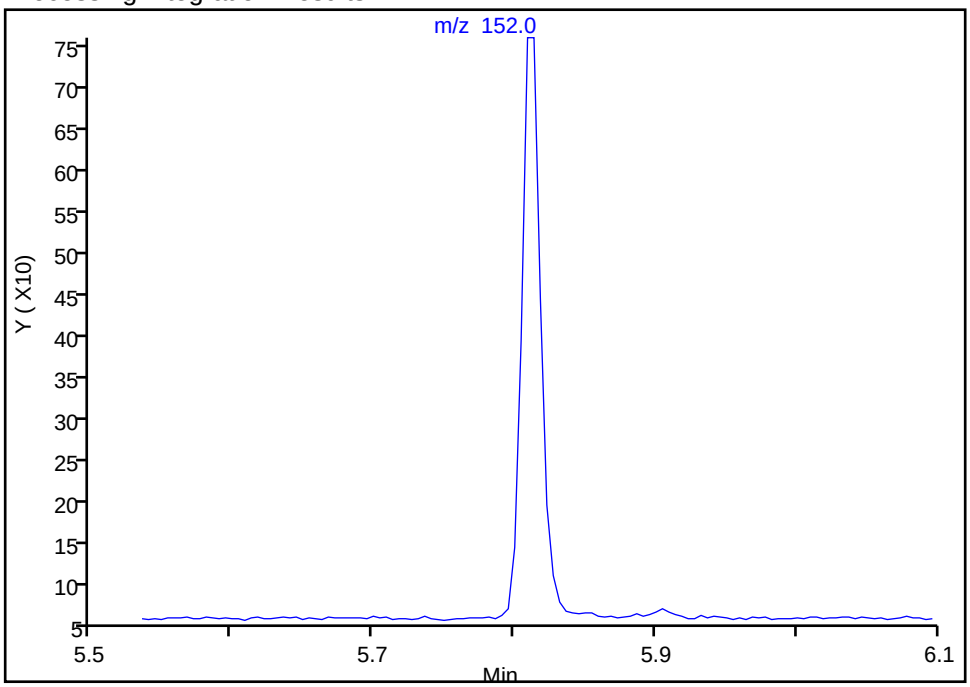
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 6 2-methylnaphthalene-d10, CAS: 7297-45-2

Signal: 1

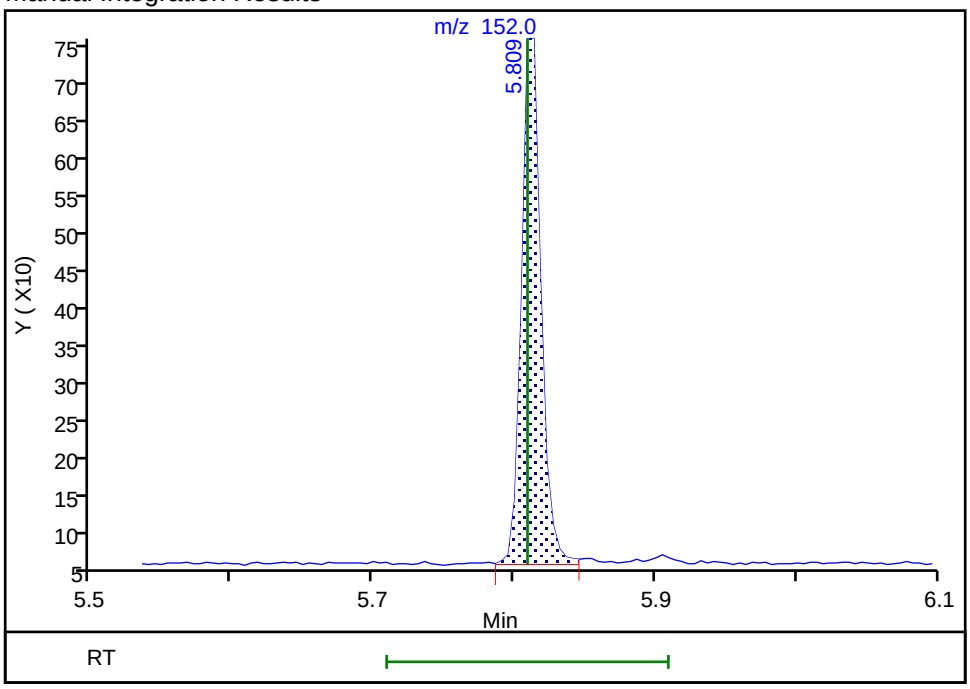
Processing Integration Results

Not Detected
Expected RT: 5.81



Manual Integration Results

RT: 5.81
Area: 674
Amount: 4.999521
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:24:42
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

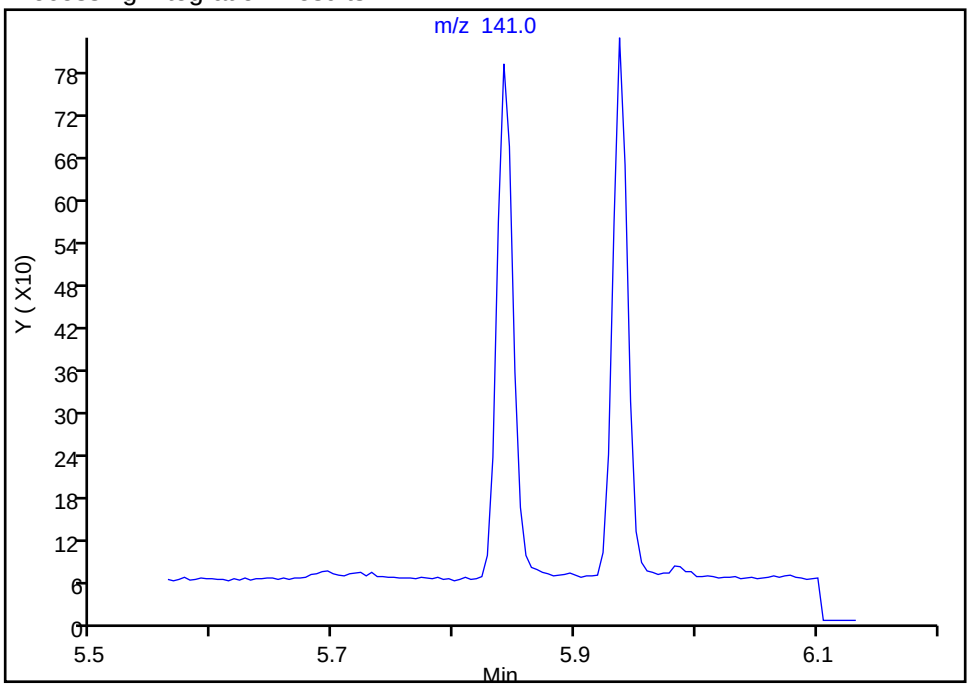
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

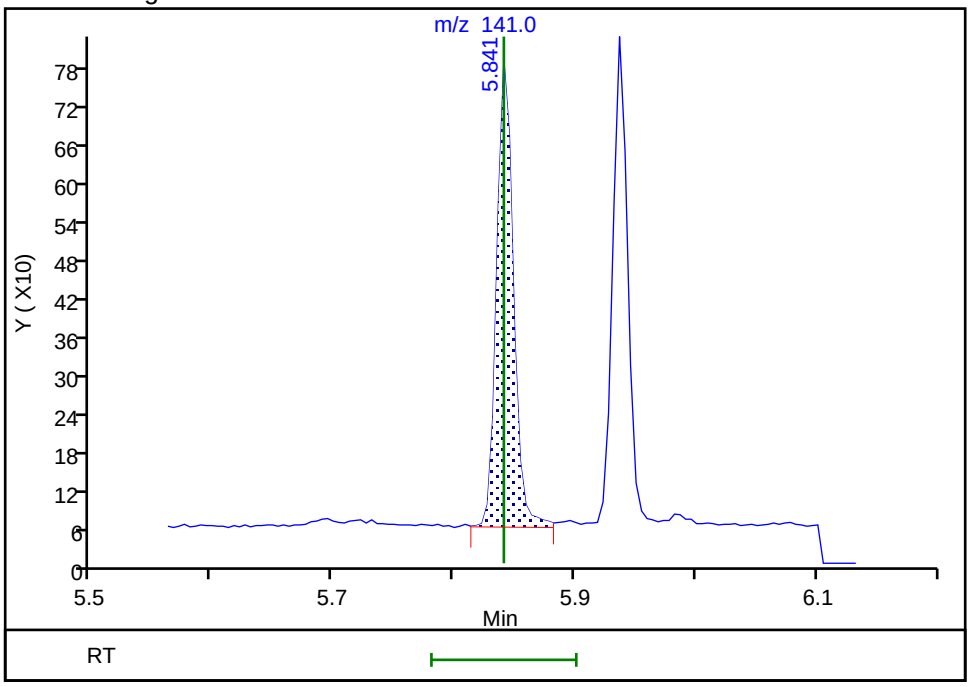
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 702
Amount: 5.135764
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:10
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

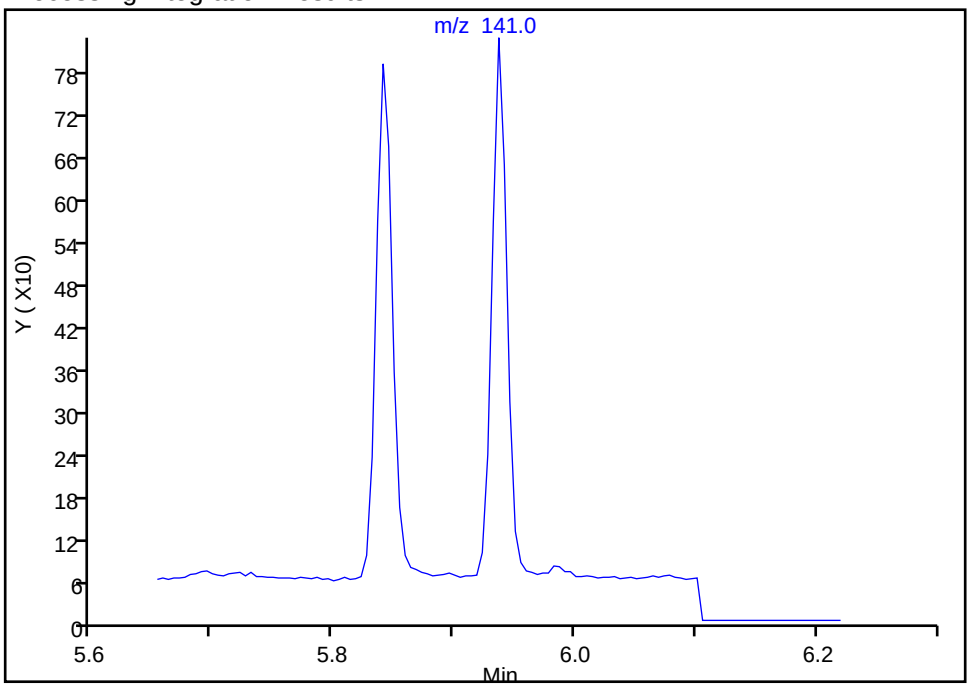
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

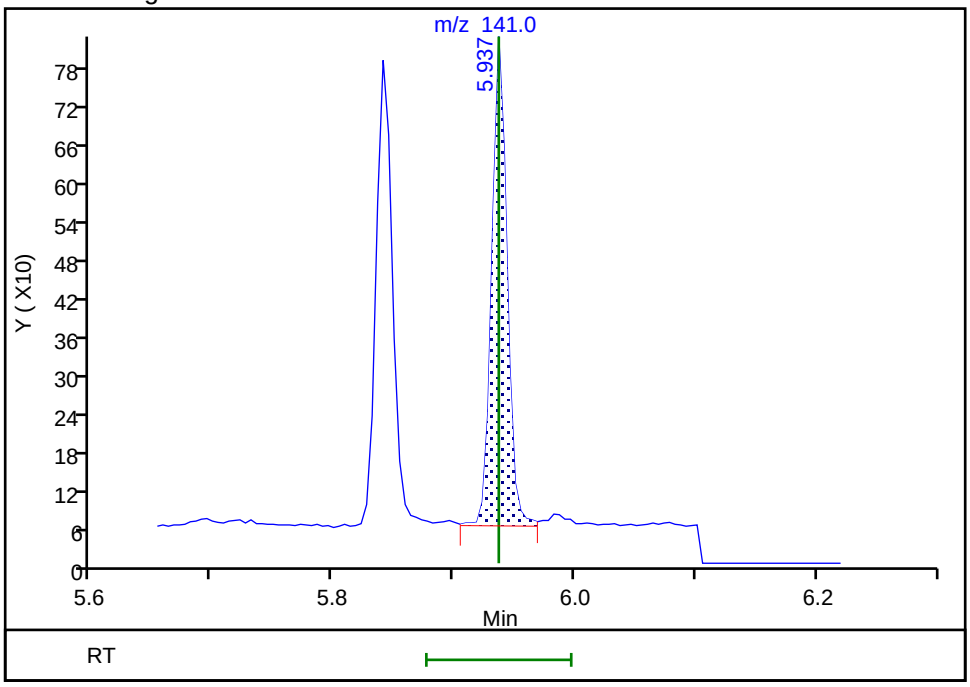
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 671
Amount: 5.068040
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:14
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

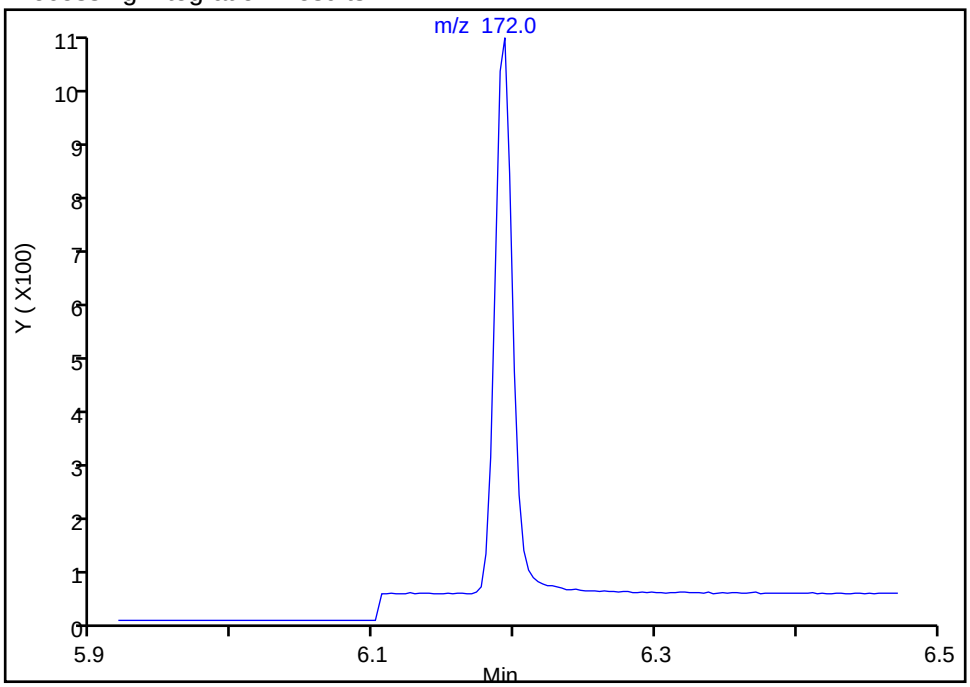
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

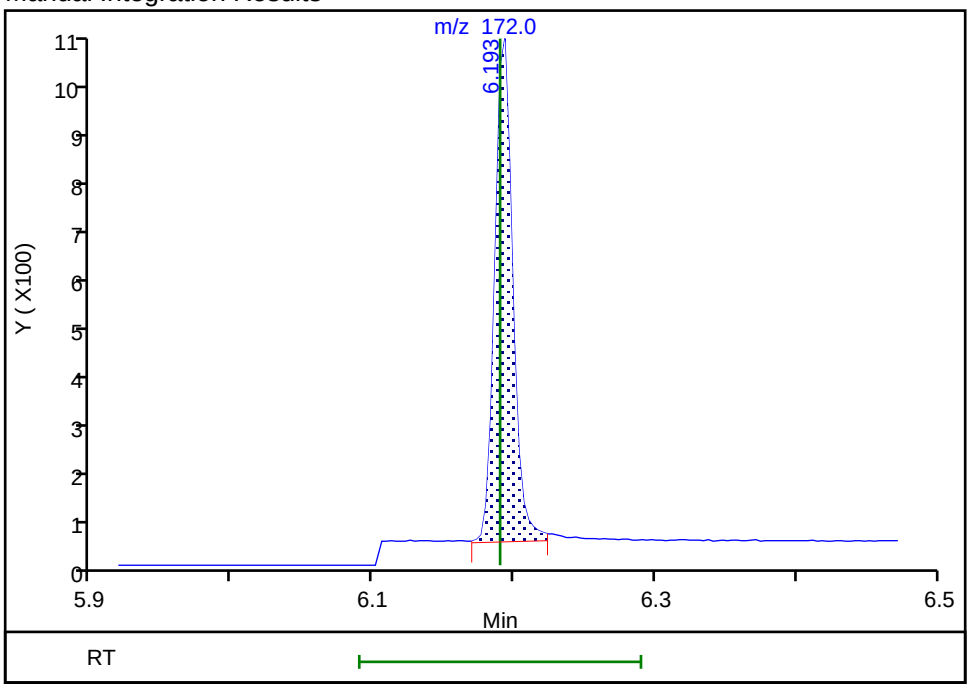
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 854
Amount: 5.271019
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:24:47
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

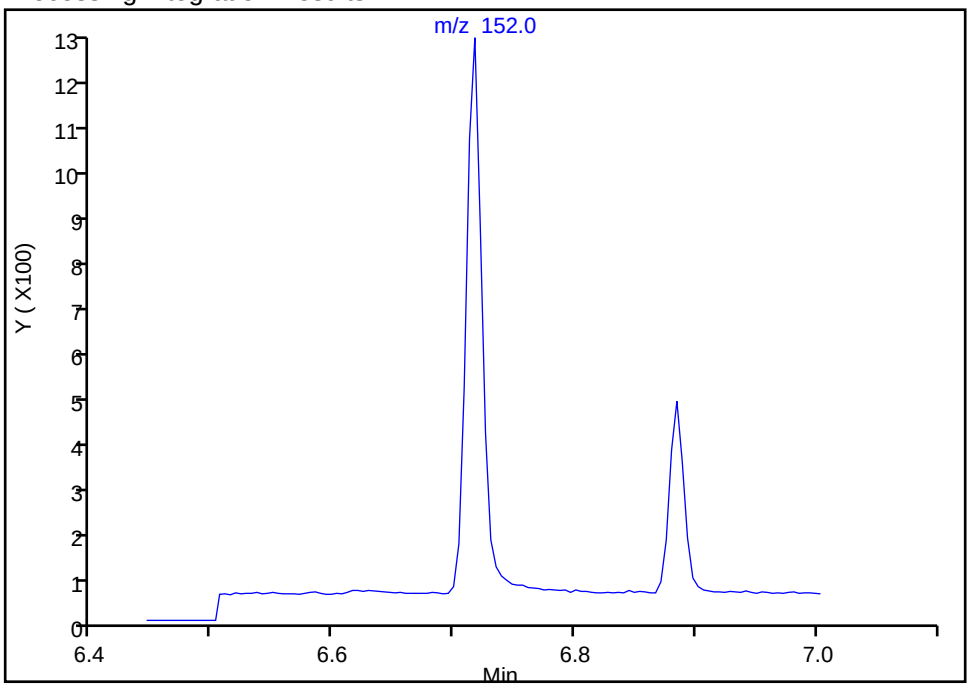
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

14 Acenaphthylene, CAS: 208-96-8

Signal: 1

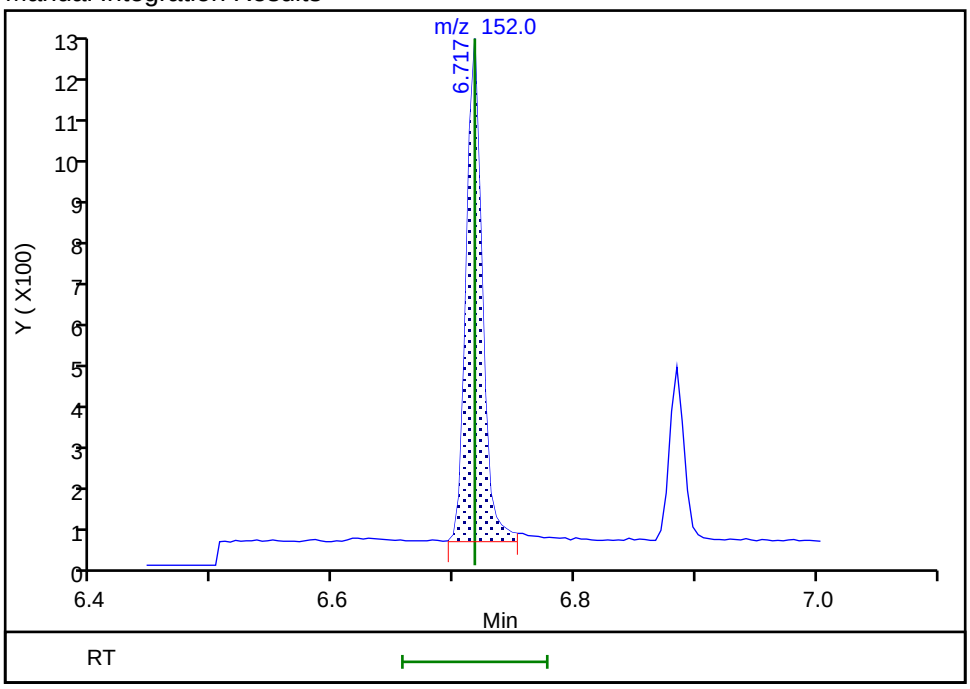
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 1063
Amount: 4.965980
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:18
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

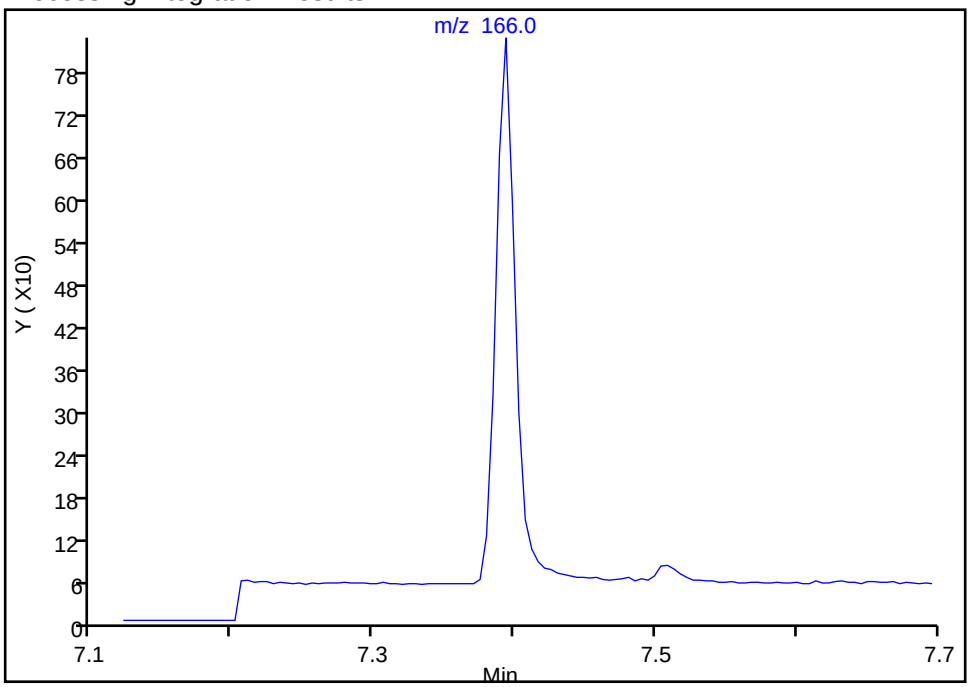
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Fluorene, CAS: 86-73-7

Signal: 1

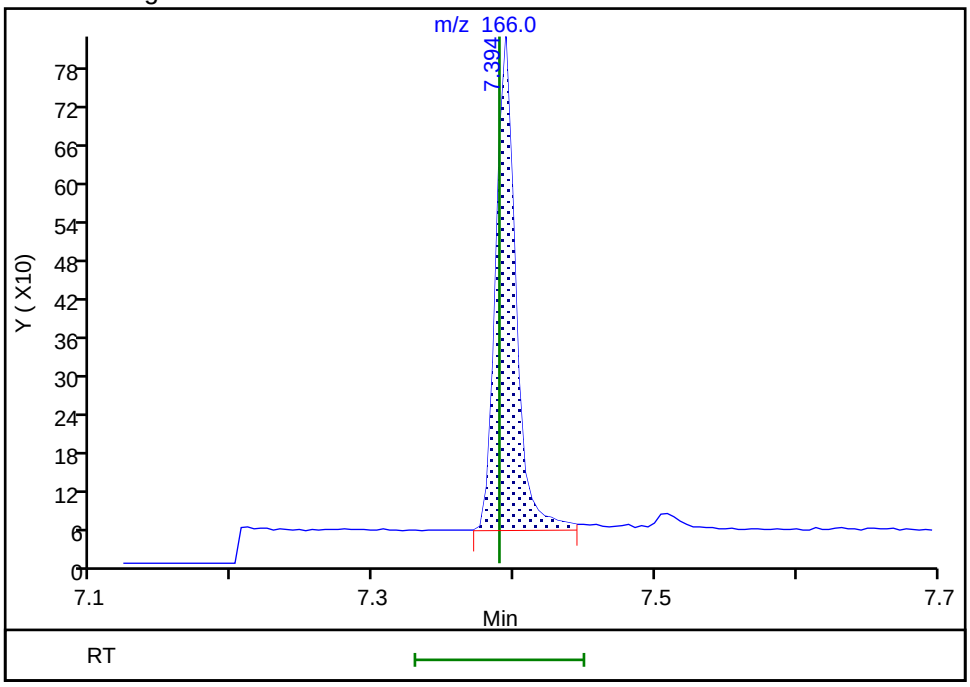
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 762
Amount: 5.088129
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:24
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

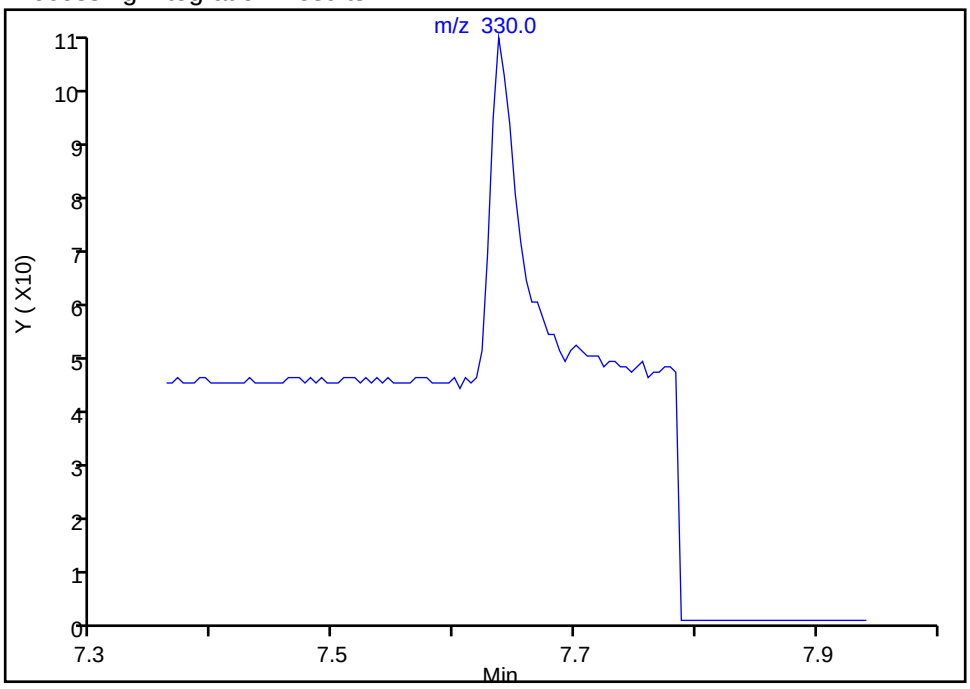
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 7 2,4,6-Tribromophenol, CAS: 118-79-6

Signal: 1

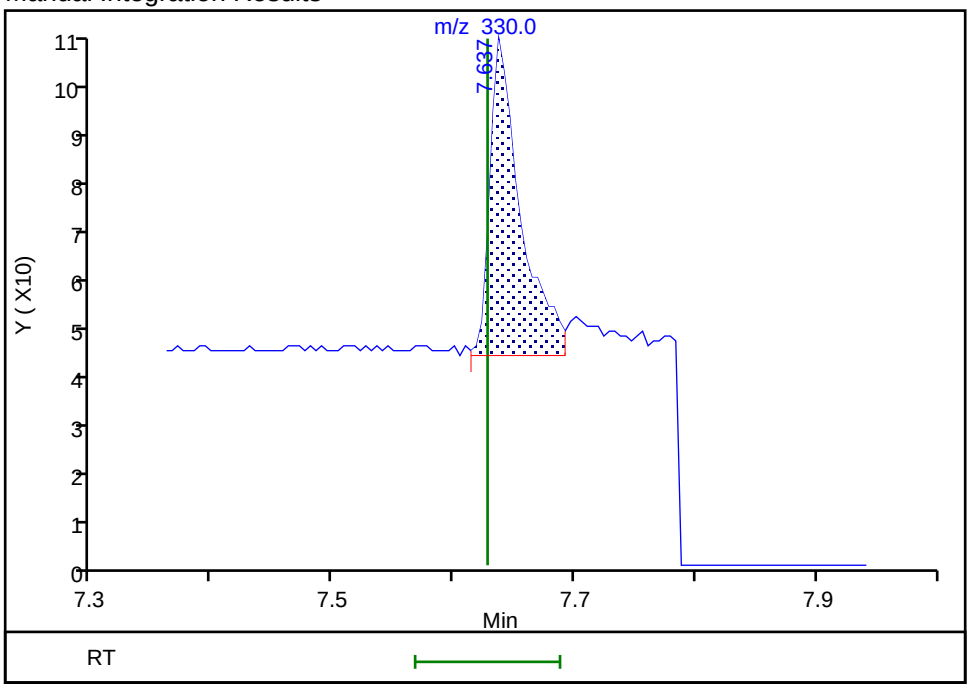
Not Detected
Expected RT: 7.63

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 113
Amount: 9.578742
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:24:51
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

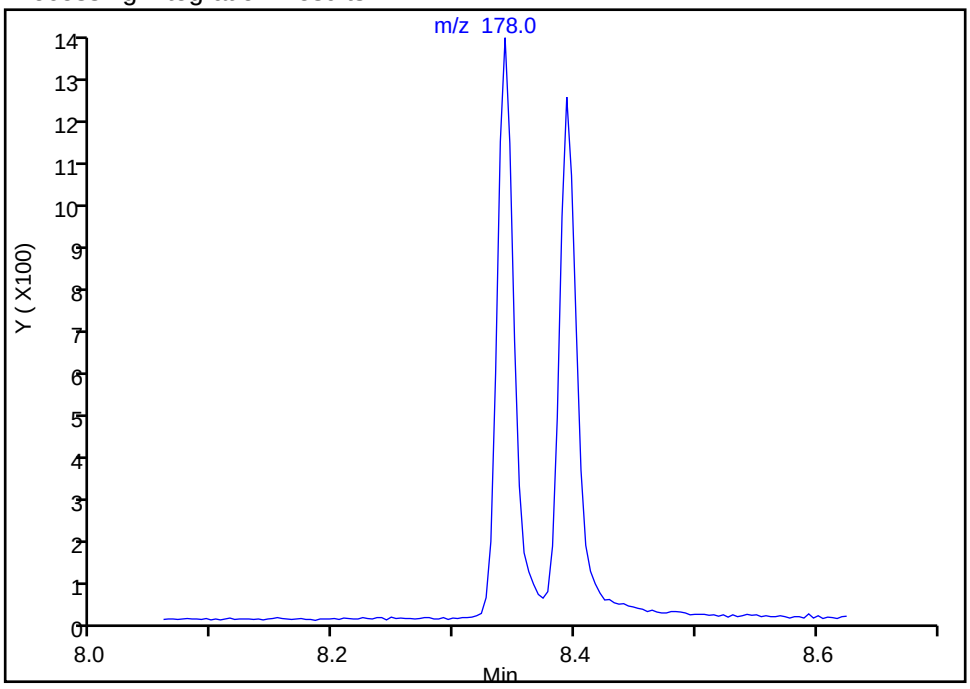
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

18 Phenanthrene, CAS: 85-01-8

Signal: 1

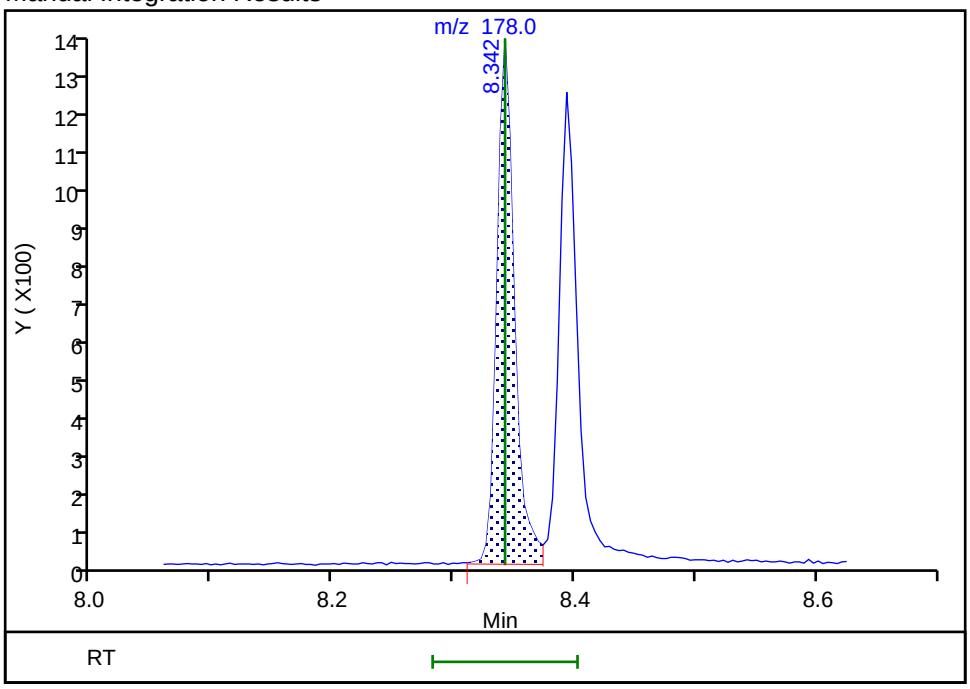
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.34
Area: 1265
Amount: 5.285785
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:31
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

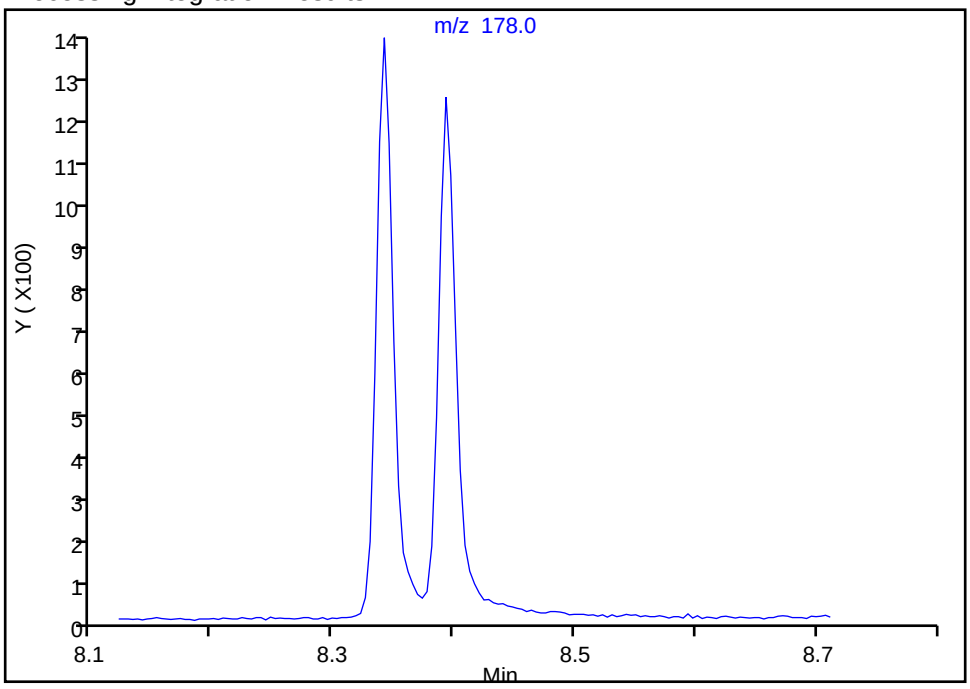
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

19 Anthracene, CAS: 120-12-7

Signal: 1

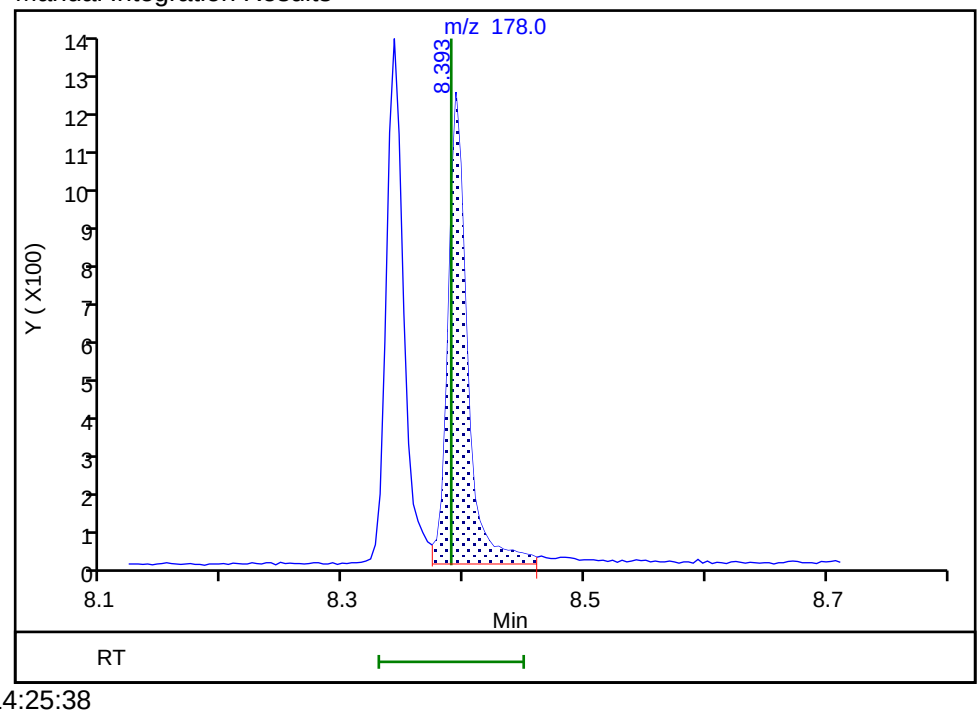
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.39
Area: 1238
Amount: 5.313964
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:38
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

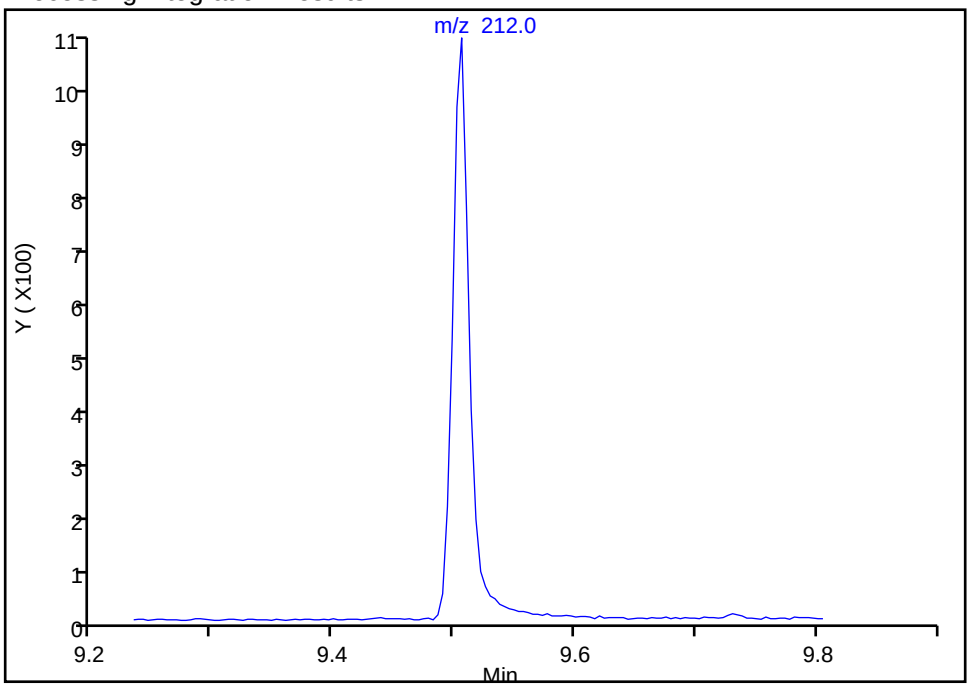
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 8 Fluoranthene-d10 (Surr), CAS: 93951-69-0

Signal: 1

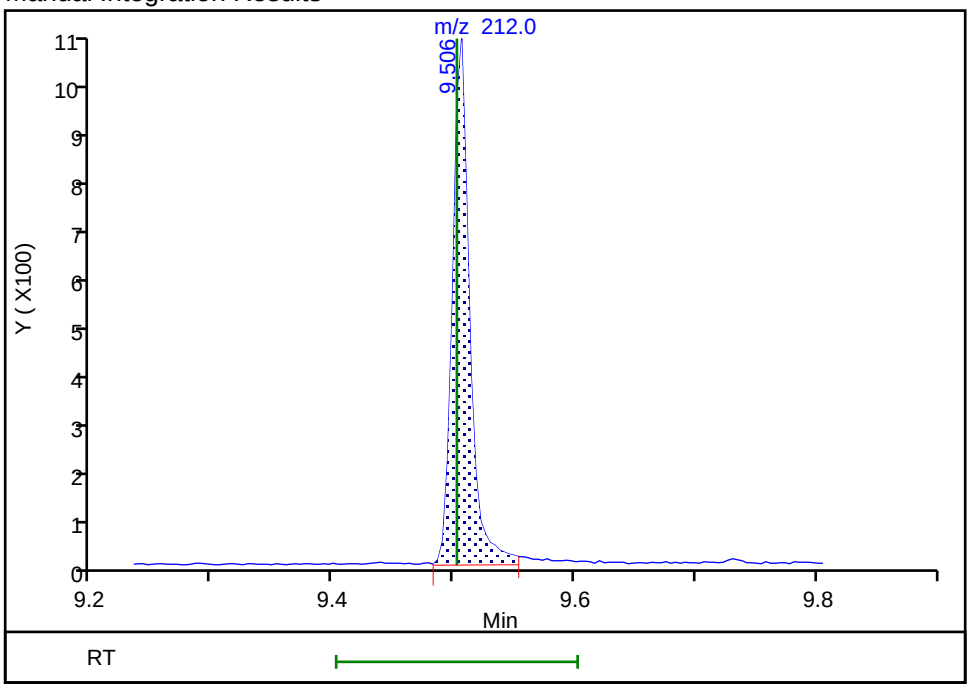
Processing Integration Results

Not Detected
Expected RT: 9.50



Manual Integration Results

RT: 9.51
Area: 1038
Amount: 5.240464
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:24:56
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

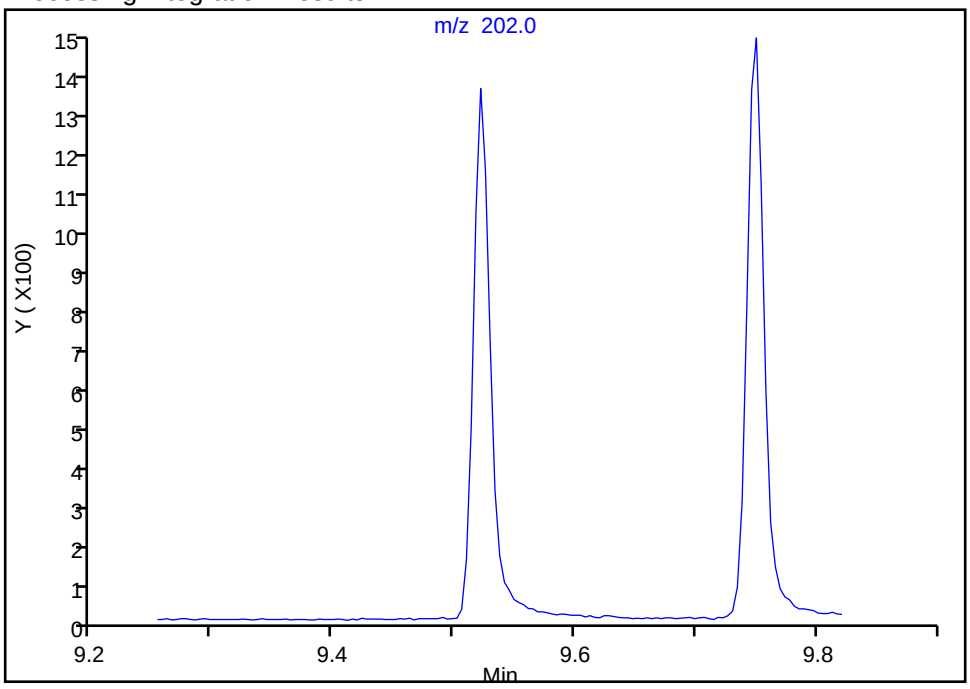
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

20 Fluoranthene, CAS: 206-44-0

Signal: 1

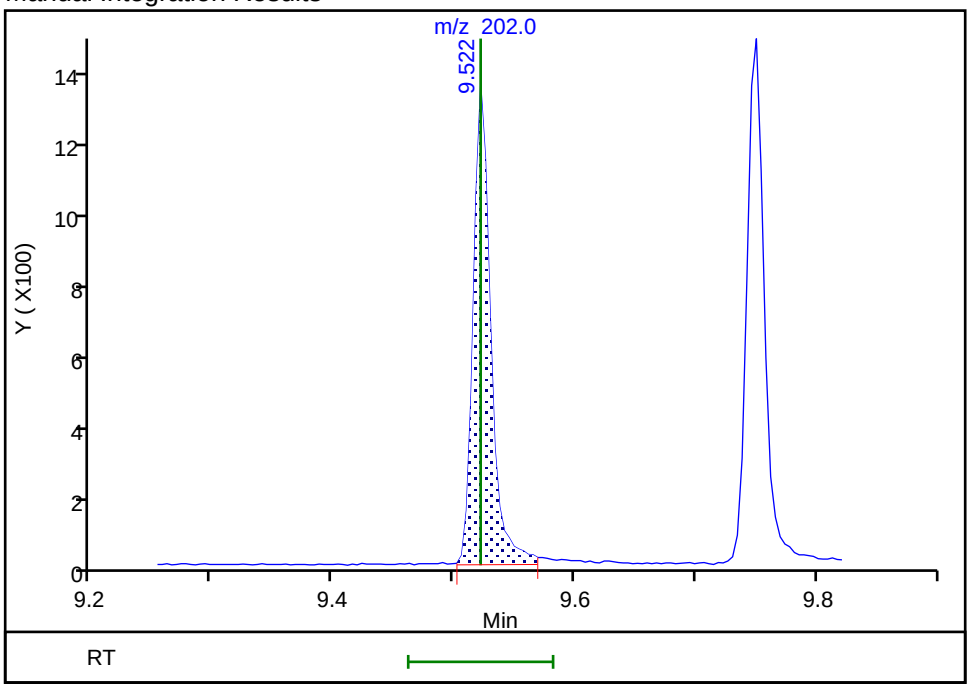
Not Detected
Expected RT: 9.52

Processing Integration Results



Manual Integration Results

RT: 9.52
Area: 1256
Amount: 5.278999
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:06
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

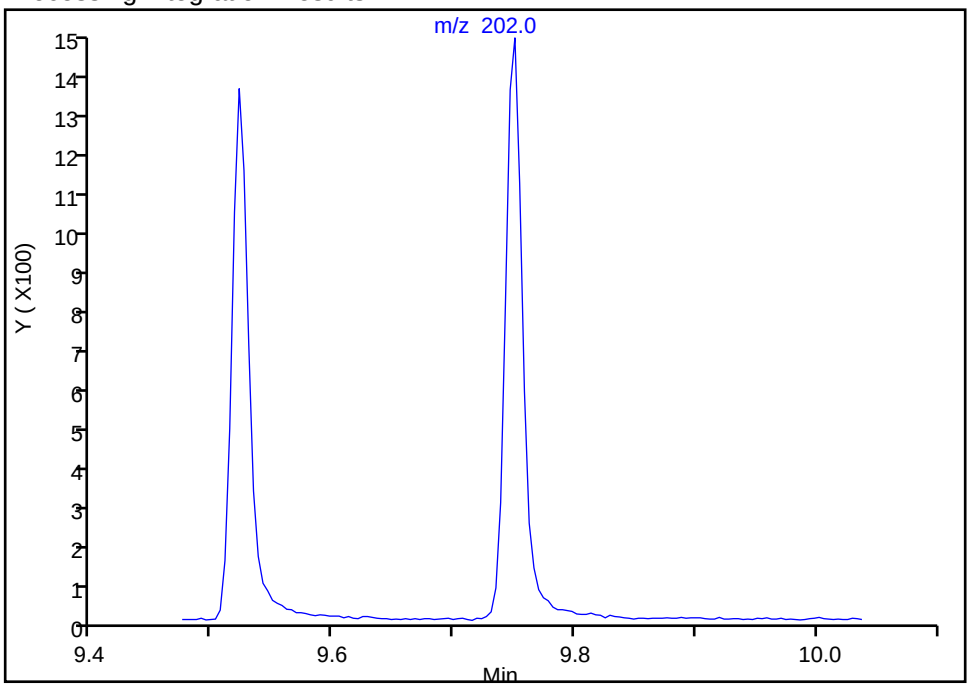
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

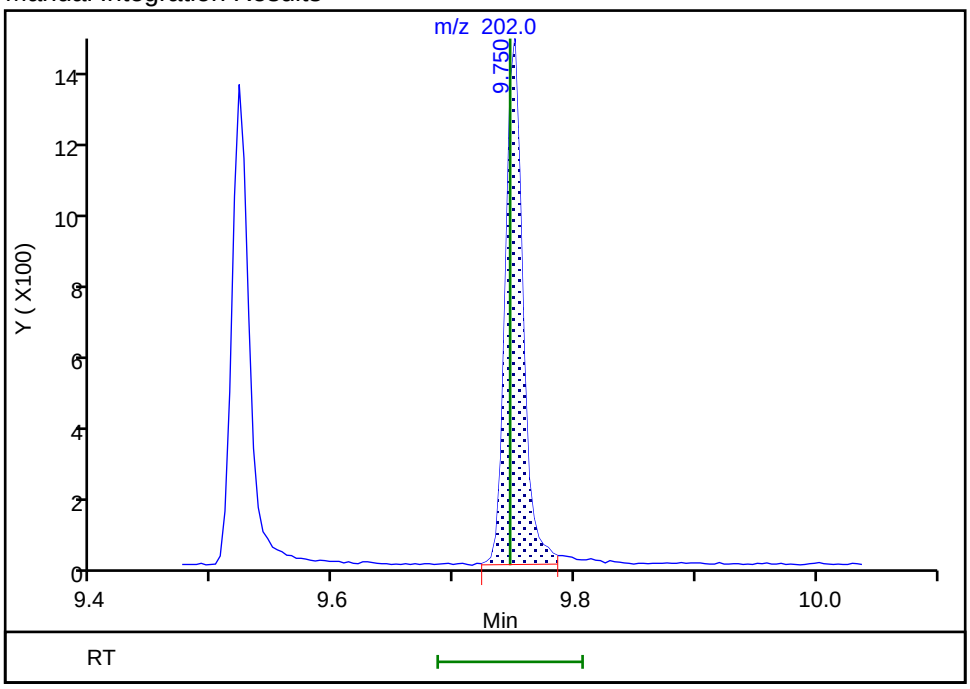
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 1375
Amount: 5.470931
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:10
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

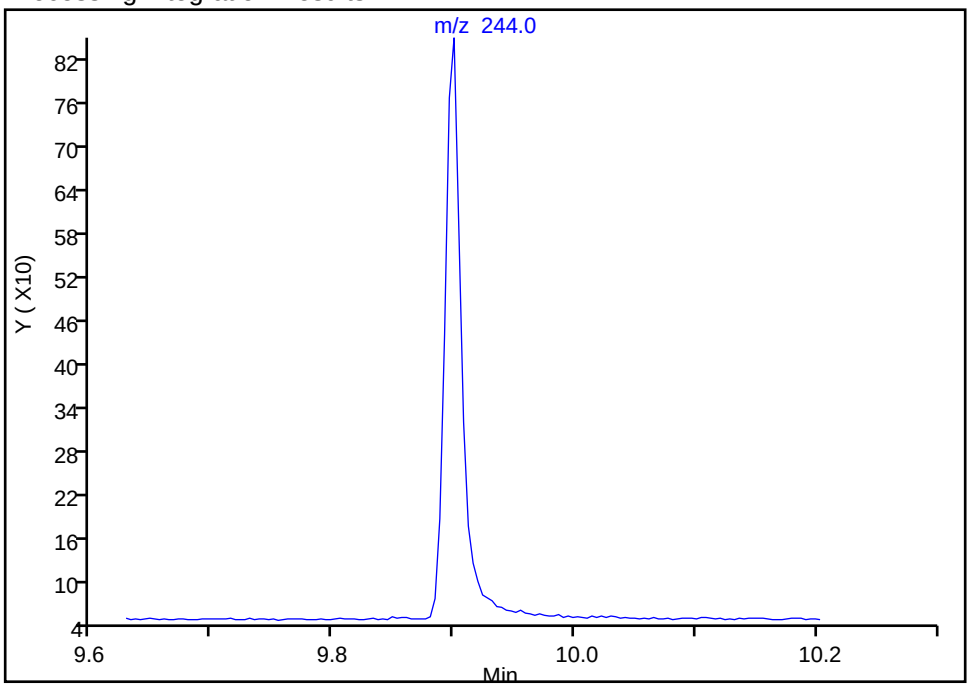
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D
Injection Date: 14-Jan-2022 04:26:30 Instrument ID: TAC050
Lims ID: std3
Client ID:
Operator ID: jcm ALS Bottle#: 14 Worklist Smp#: 14
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 9 Terphenyl-d14, CAS: 1718-51-0

Signal: 1

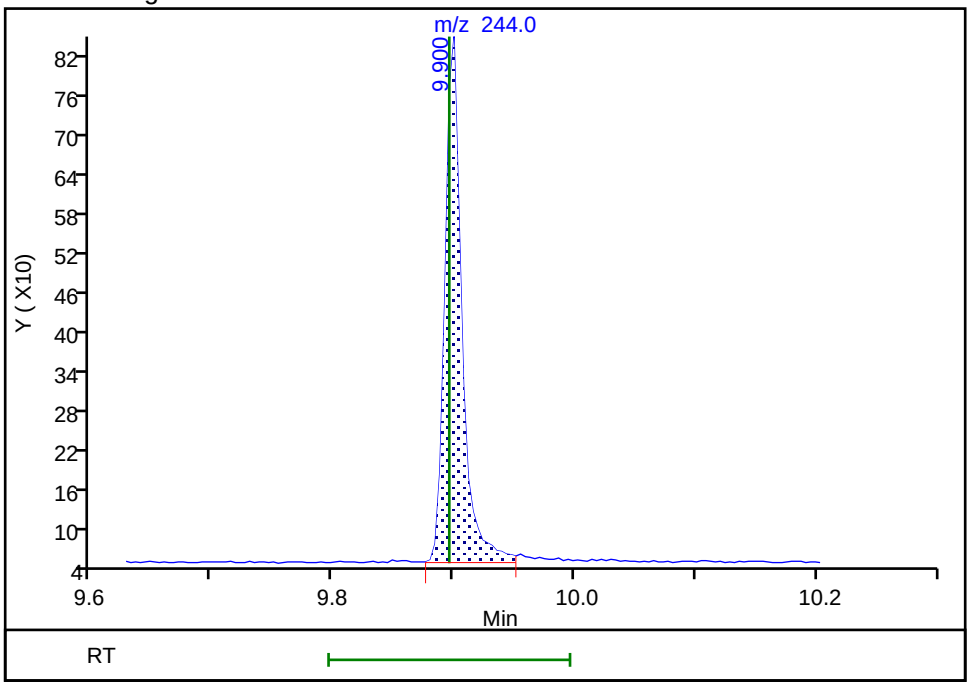
Not Detected
Expected RT: 9.90

Processing Integration Results



Manual Integration Results

RT: 9.90
Area: 782
Amount: 6.223975
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:25:02
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

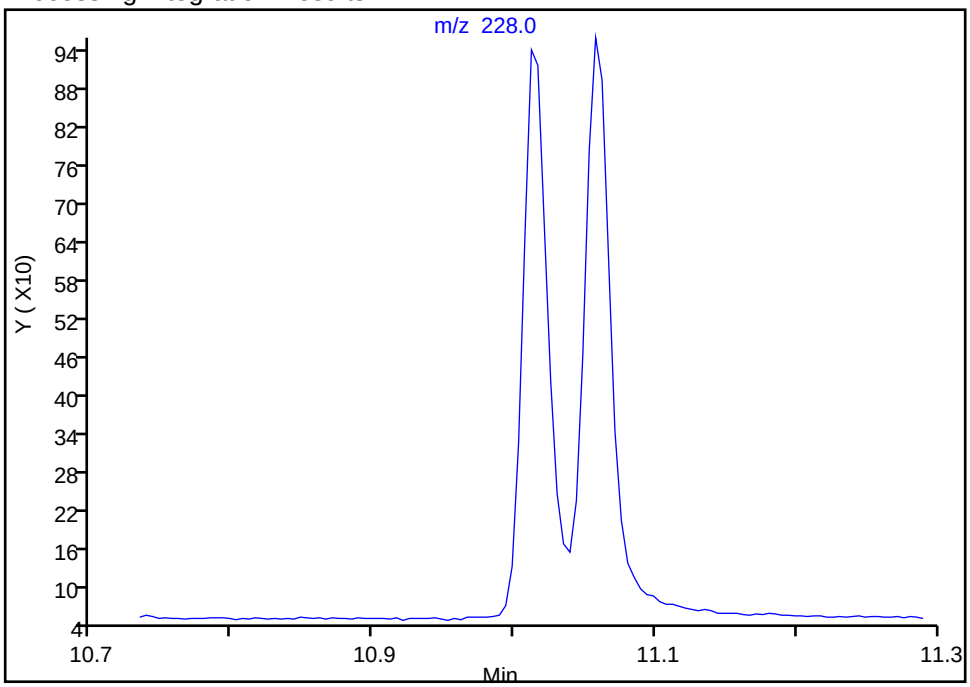
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

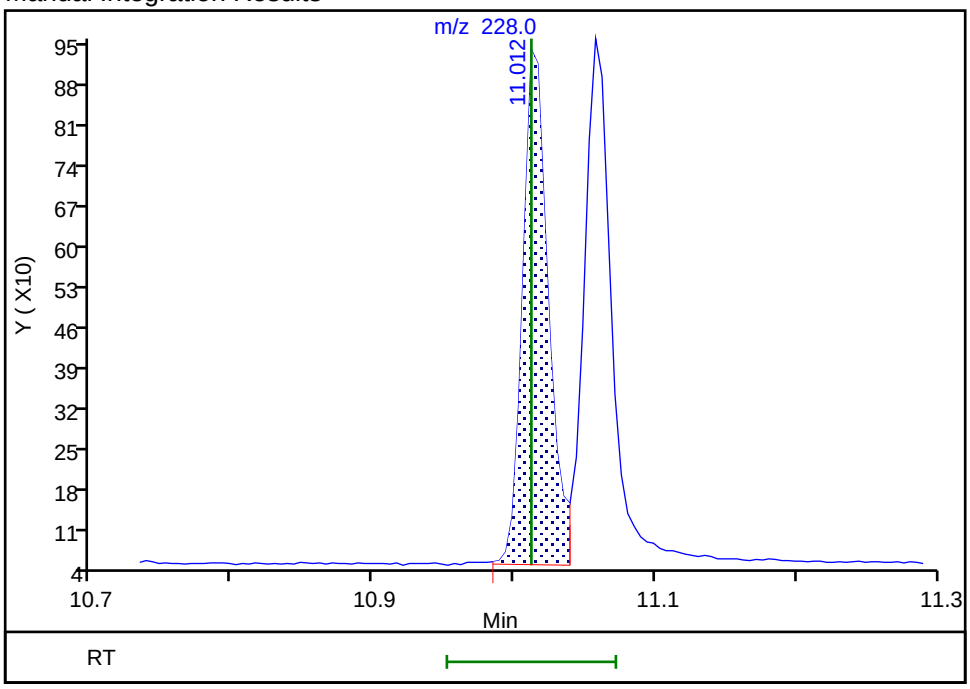
Not Detected
Expected RT: 11.01

Processing Integration Results



Manual Integration Results

RT: 11.01
Area: 1118
Amount: 5.025826
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:26
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

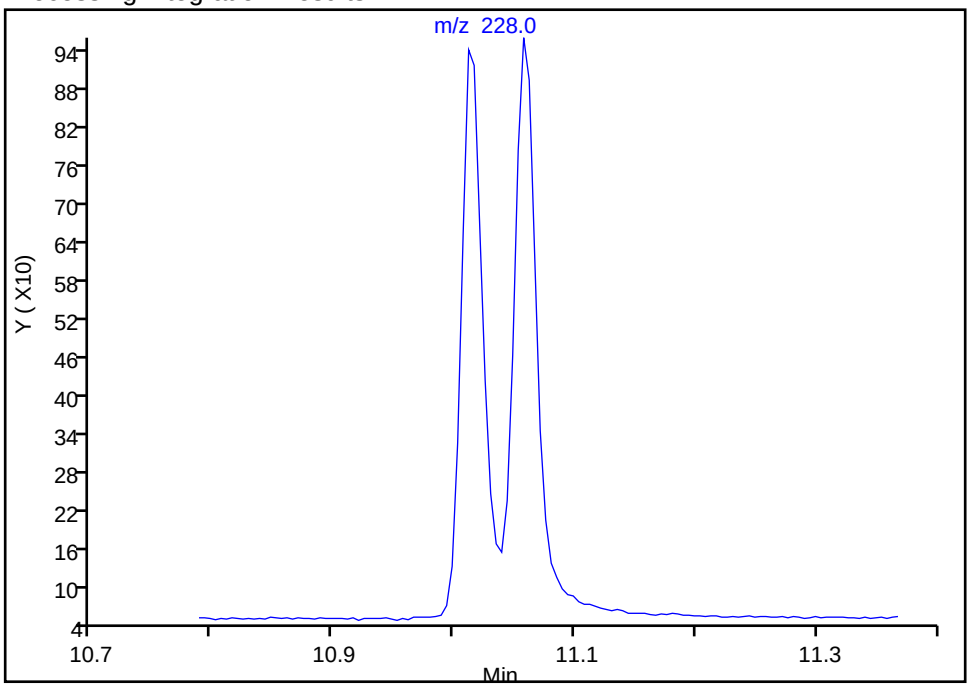
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

23 Chrysene, CAS: 218-01-9

Signal: 1

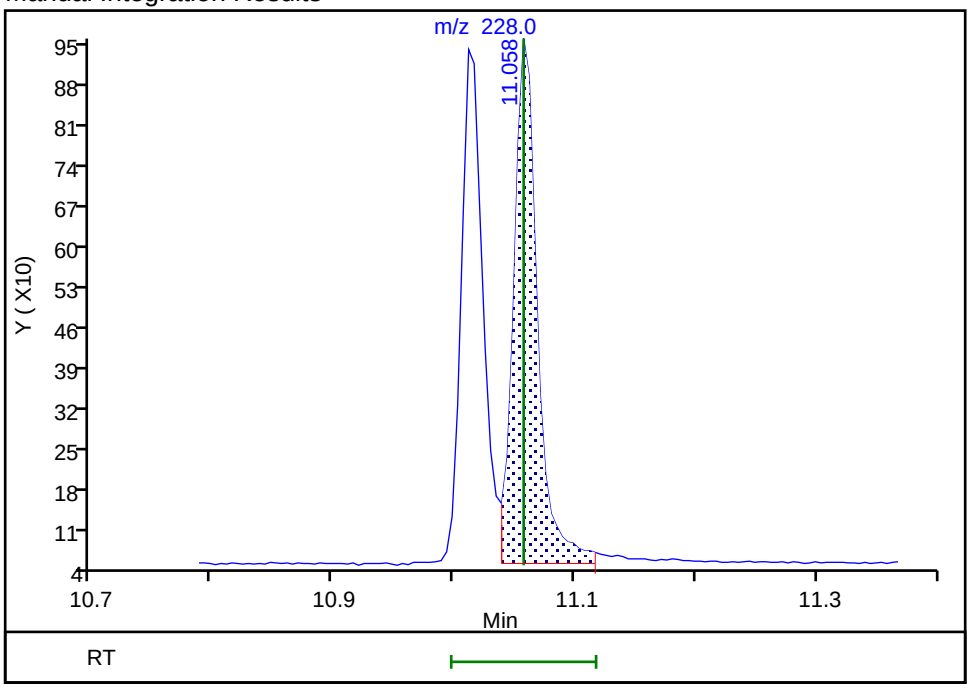
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 1221
Amount: 5.148902
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:39
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

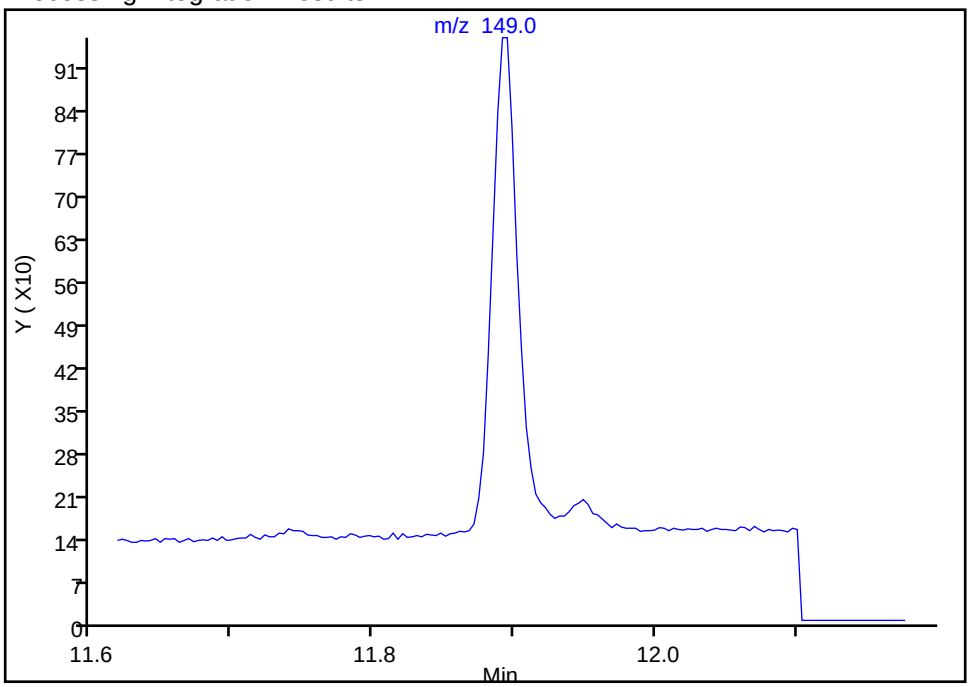
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

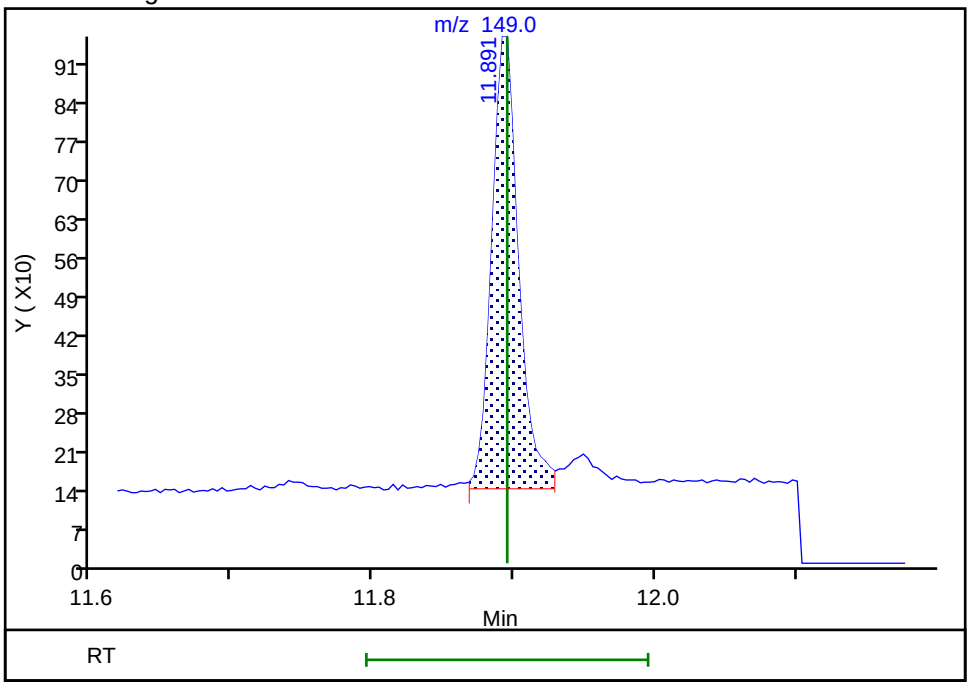
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 1083
Amount: 4.520571
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:44
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

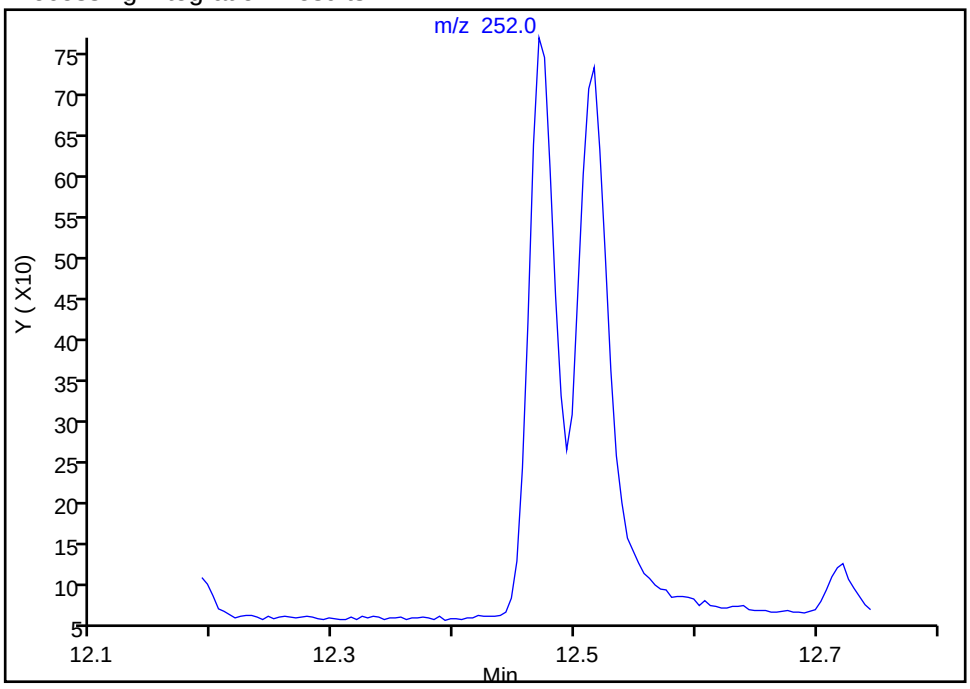
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

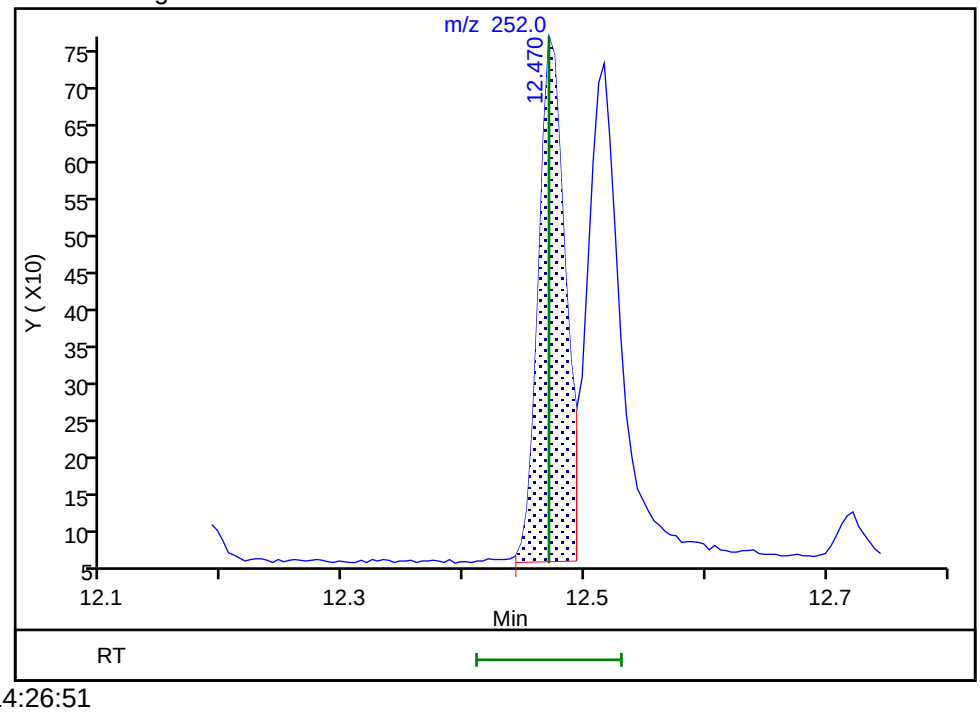
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 1076
Amount: 5.050499
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:51
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

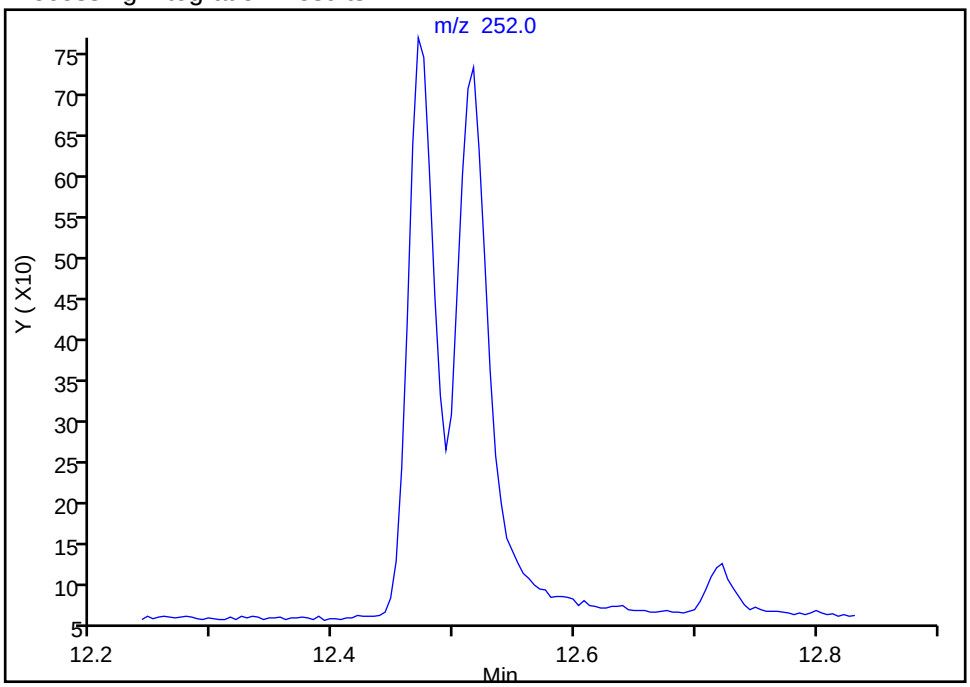
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

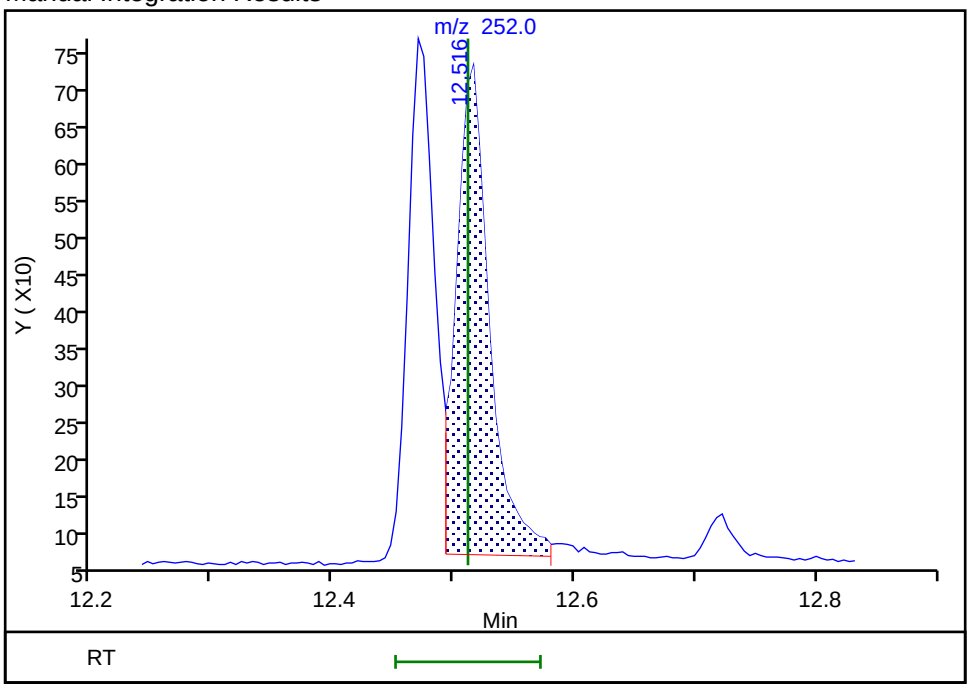
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 1238
Amount: 5.232427
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:26:57
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

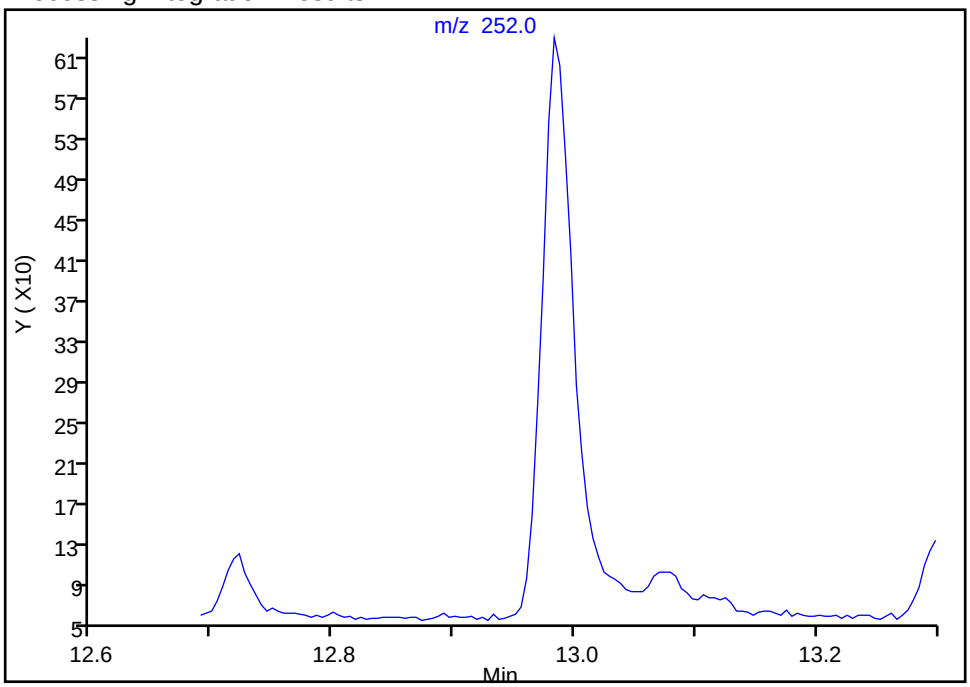
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

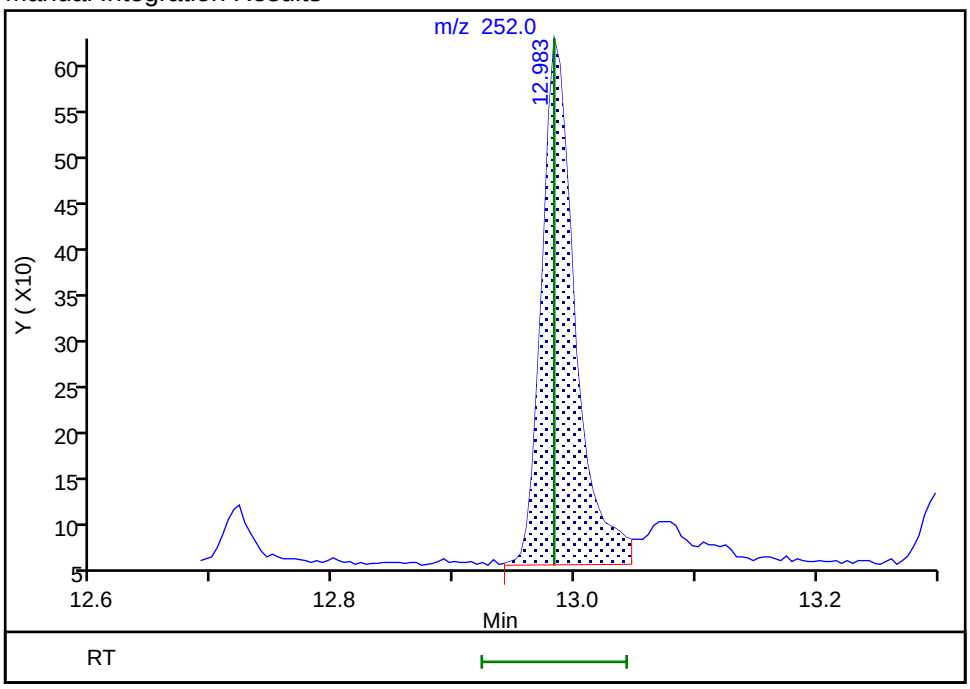
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.98
Area: 1088
Amount: 5.127355
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:27:08
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

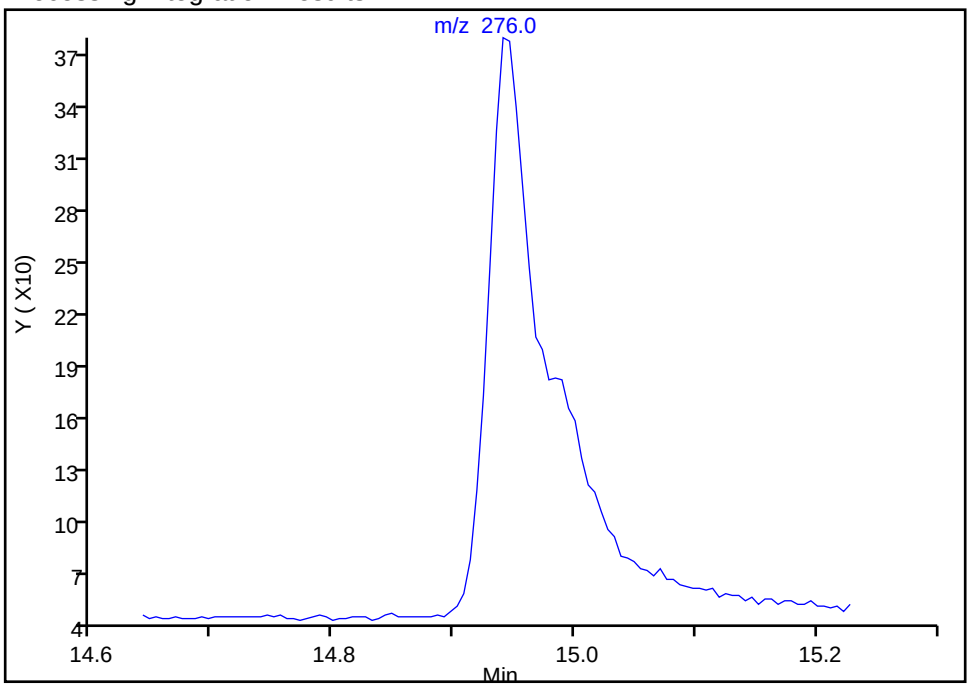
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

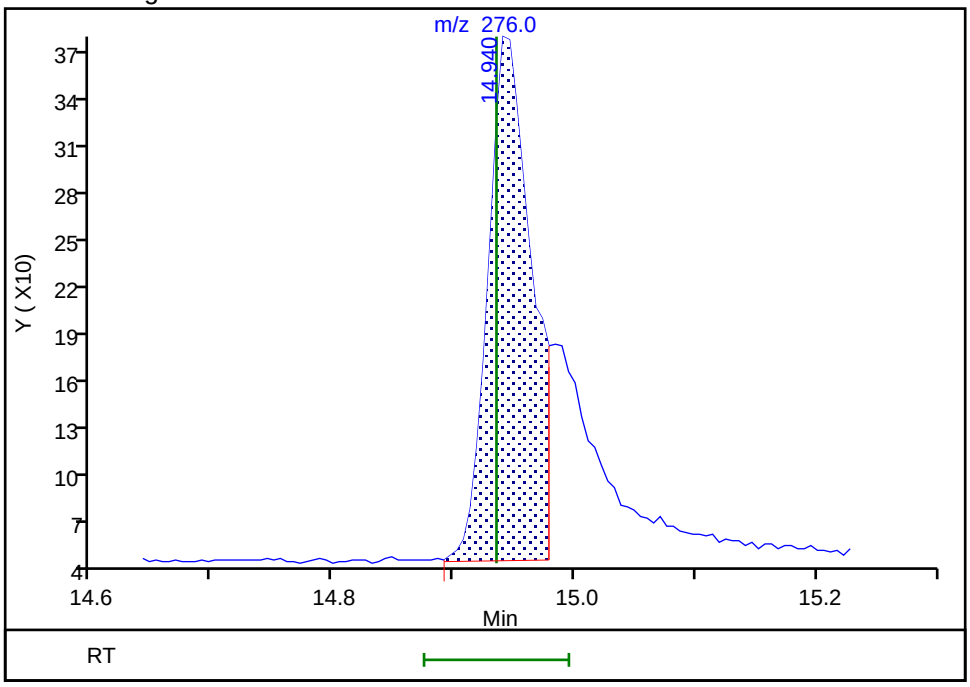
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.94
Area: 804
Amount: 5.456935
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:27:14
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

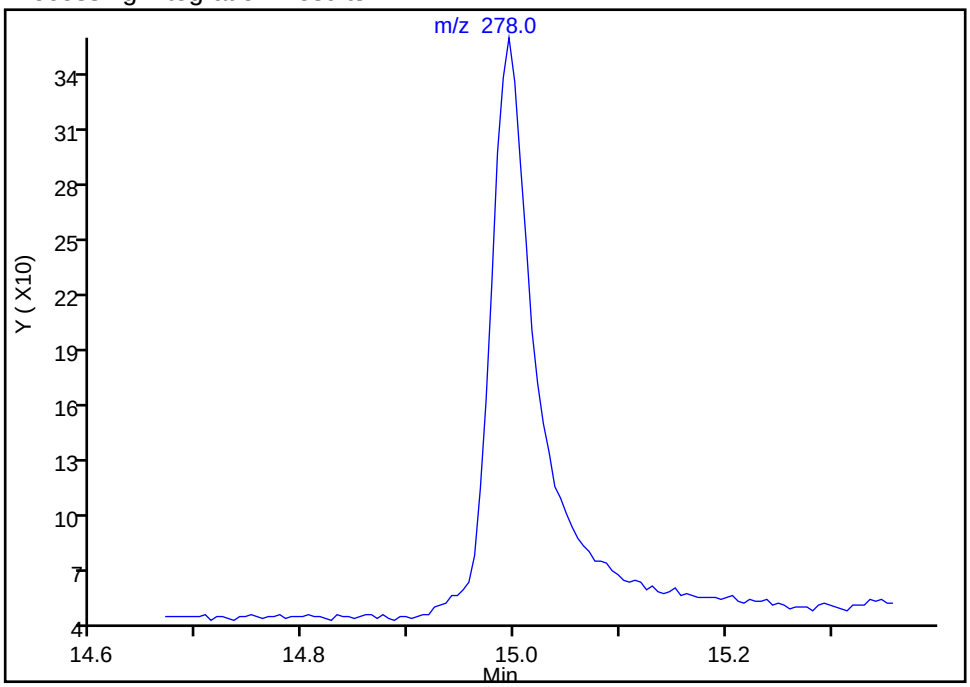
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

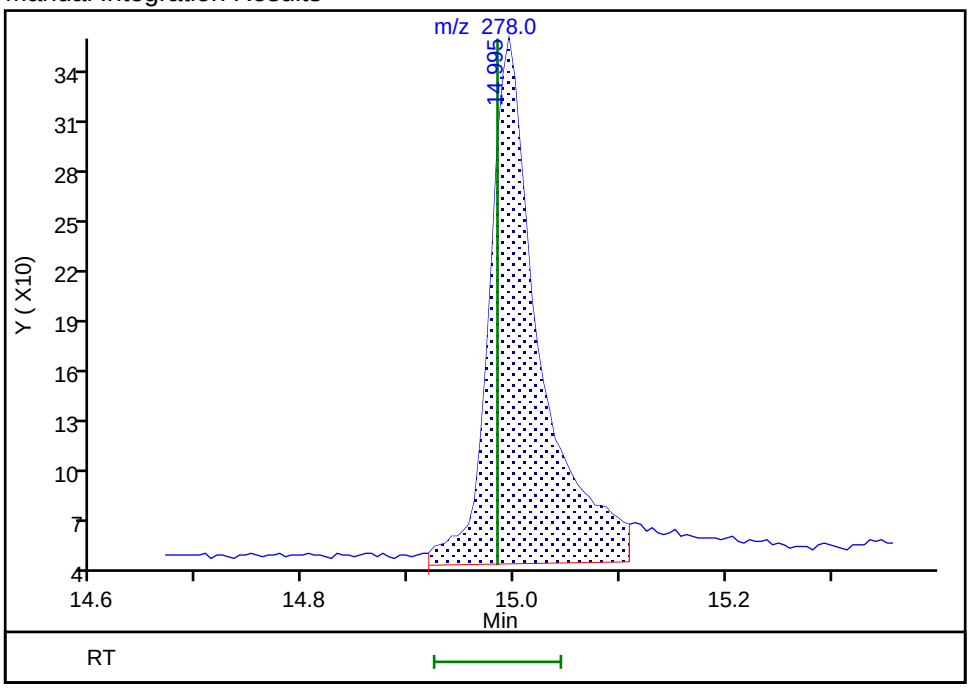
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 14.99
Area: 1020
Amount: 5.164623
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:27:18
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

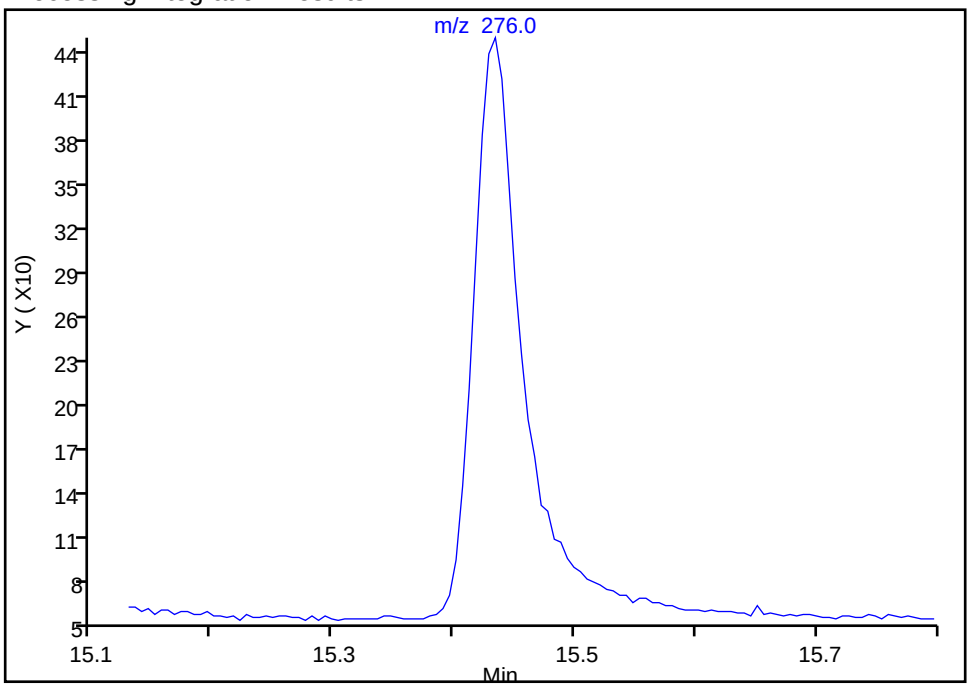
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b024.D				
Injection Date:	14-Jan-2022 04:26:30	Instrument ID:	TAC050		
Lims ID:	std3				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	14	Worklist Smp#:	14
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

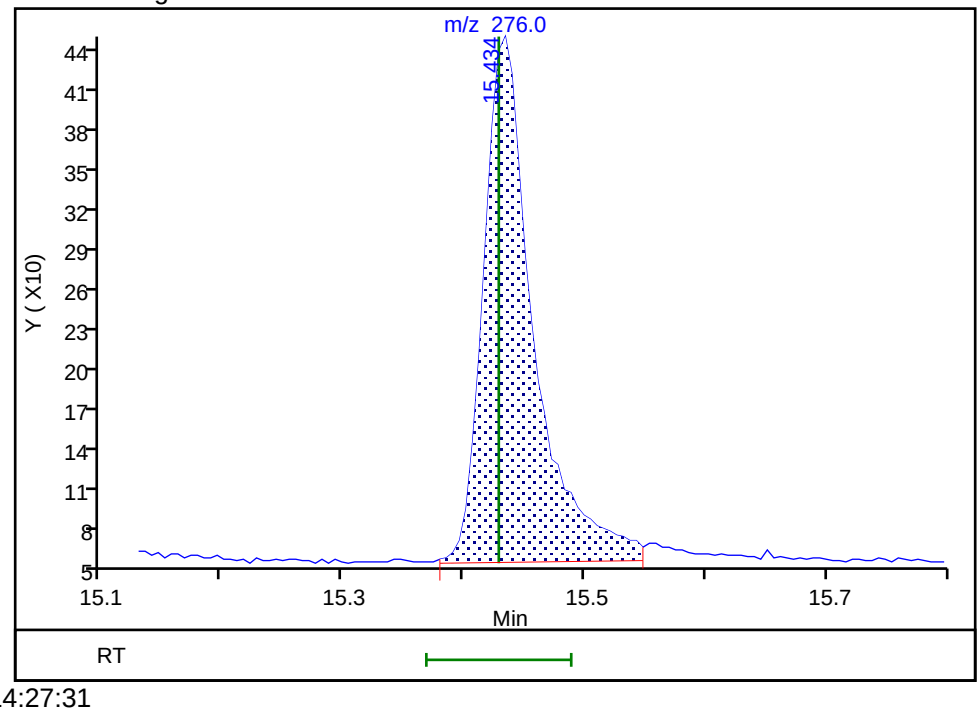
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.43
Area: 1138
Amount: 5.220920
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:27:31
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Lims ID: std2
Client ID:
Sample Type: IC Calib Level: 2
Inject. Date: 14-Jan-2022 04:45:30 ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 2
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:22 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:26:21

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	21468	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	69	9515	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14508	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	49	10882	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.074	0.005	69	13082	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.809	0.005	67	283	2.00	2.23	M
$ 10 2-Fluorobiphenyl	172	6.193	6.190	0.003	0	336	2.00	2.21	M
$ 7 2,4,6-Tribromophenol	330	7.641	7.628	0.013	49	57	2.00	7.64	M
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.502	0.004	68	476	2.00	2.00	M
$ 9 Terphenyl-d14	244	9.900	9.896	0.004	94	359	2.00	3.09	M
11 Naphthalene	128	5.189	5.189	0.000	99	508	2.00	2.24	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	99	282	2.00	2.19	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	274	2.00	2.20	M
14 Acenaphthylene	152	6.717	6.717	0.000	100	422	2.00	2.10	M
15 Acenaphthene	153	6.884	6.884	0.000	90	283	2.00	2.24	M
16 Fluorene	166	7.394	7.389	0.005	95	316	2.00	2.25	M
18 Phenanthrene	178	8.342	8.342	0.000	100	566	2.00	1.97	M
19 Anthracene	178	8.393	8.389	0.004	99	553	2.00	2.09	M
20 Fluoranthene	202	9.526	9.522	0.004	52	571	2.00	1.99	M
21 Pyrene	202	9.750	9.746	0.004	51	611	2.00	1.98	M
22 Benzo[a]anthracene	228	11.017	11.012	0.005	26	524	2.00	2.04	M
23 Chrysene	228	11.058	11.057	0.001	99	561	2.00	1.96	M
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	509	2.00	2.07	M
24 Benzo[b]fluoranthene	252	12.475	12.470	0.005	97	491	2.00	2.06	M
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	95	540	2.00	2.04	M
26 Benzo[a]pyrene	252	12.987	12.983	0.004	97	494	2.00	2.09	M
27 Indeno[1,2,3-cd]pyrene	276	14.946	14.935	0.011	94	365	2.00	2.77	M
28 Dibenz(a,h)anthracene	278	15.000	14.984	0.016	95	429	2.00	2.01	M
29 Benzo[g,h,i]perylene	276	15.440	15.429	0.011	94	497	2.00	2.07	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

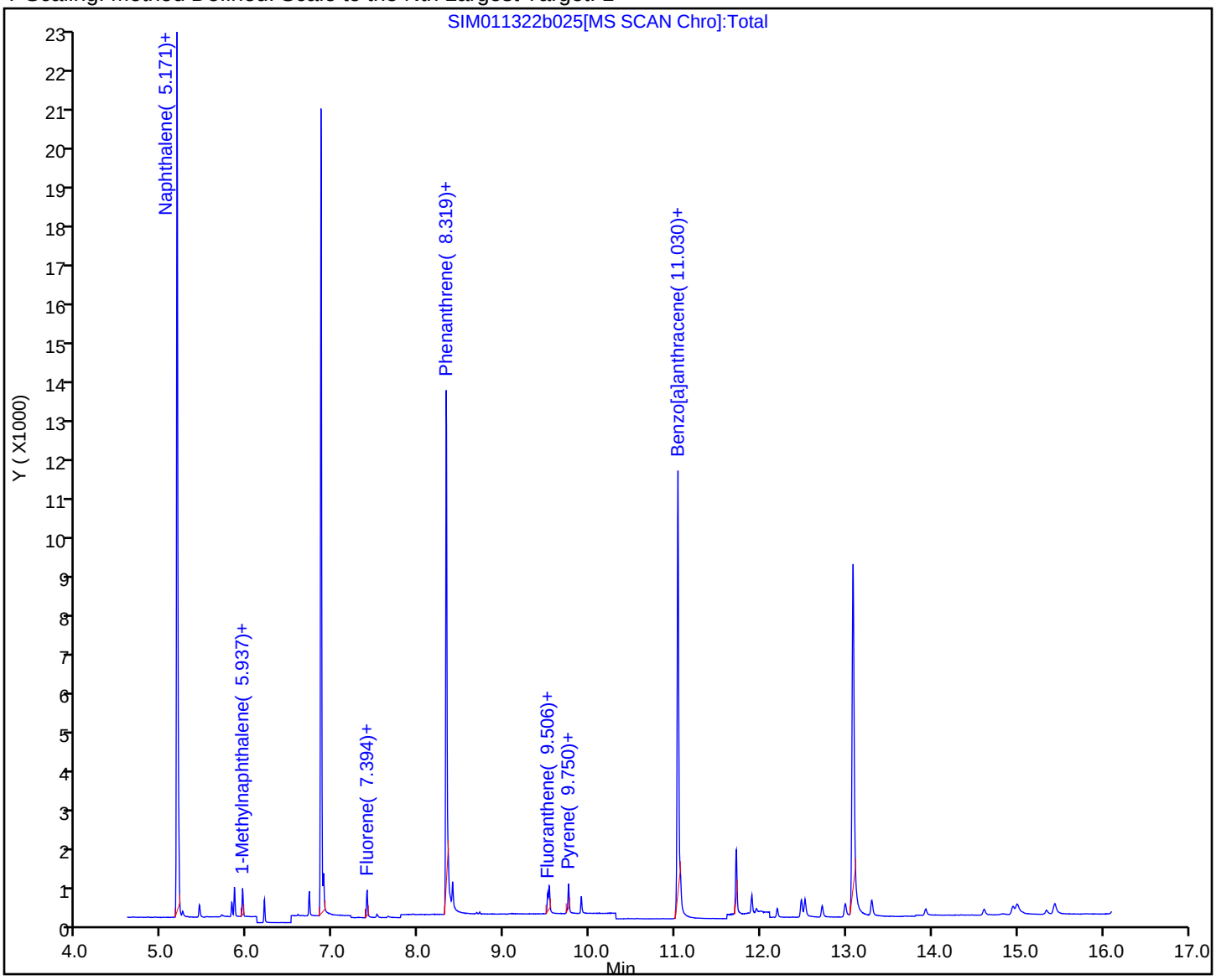
Reagents:

8270SIM_IS_00069	Amount Added:	9.60	Units: uL
8270ccvl_50_00039	Amount Added:	40.00	Units: uL

Report Date: 14-Jan-2022 15:42:23 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

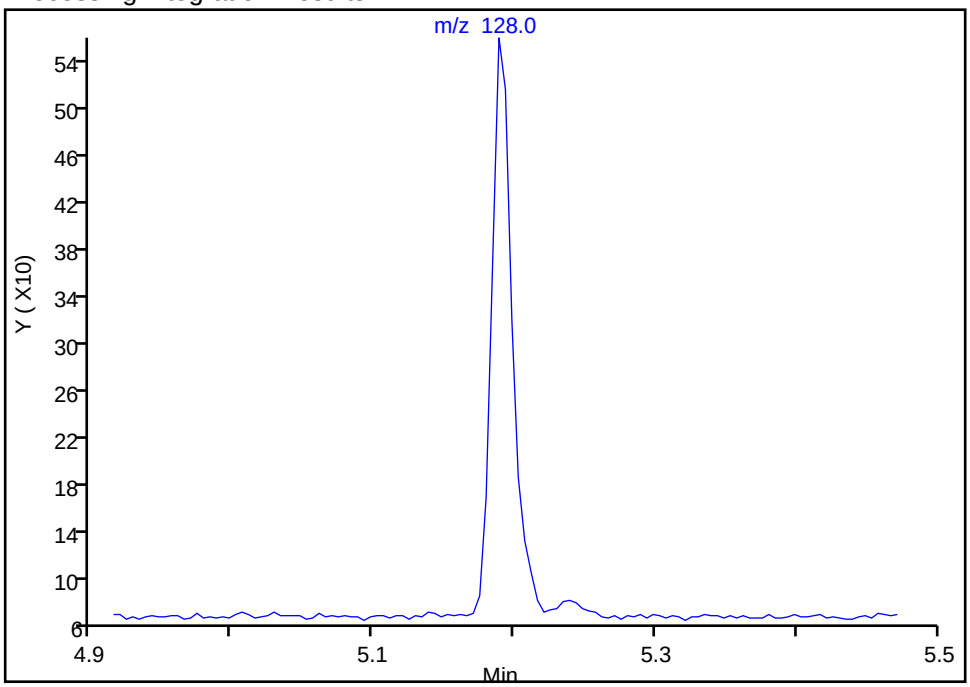
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

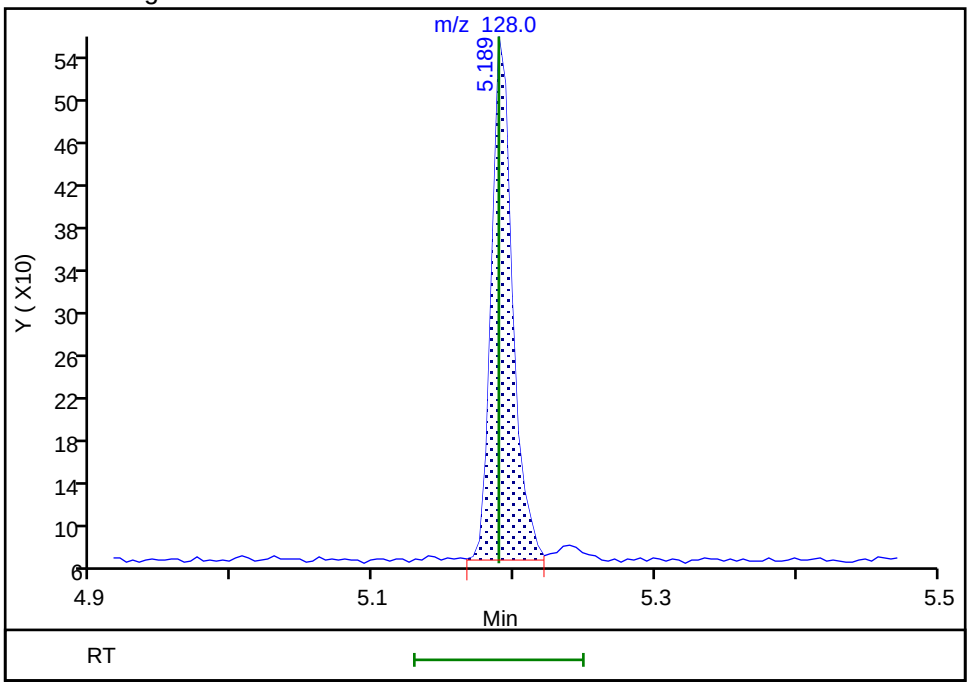
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 508
Amount: 2.237327
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:32
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

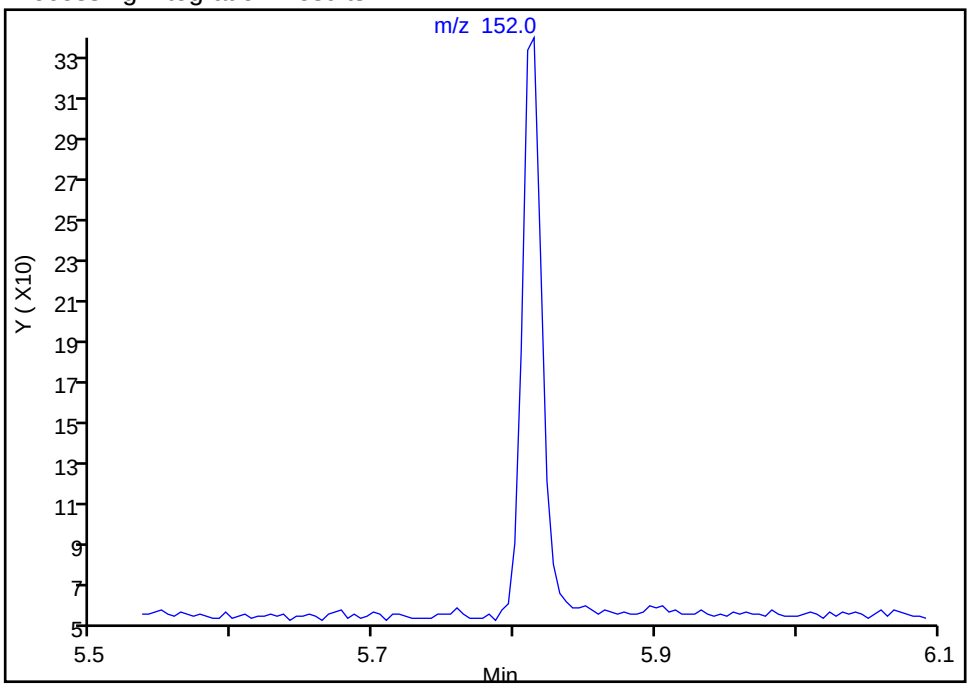
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 6 2-methylnaphthalene-d10, CAS: 7297-45-2

Signal: 1

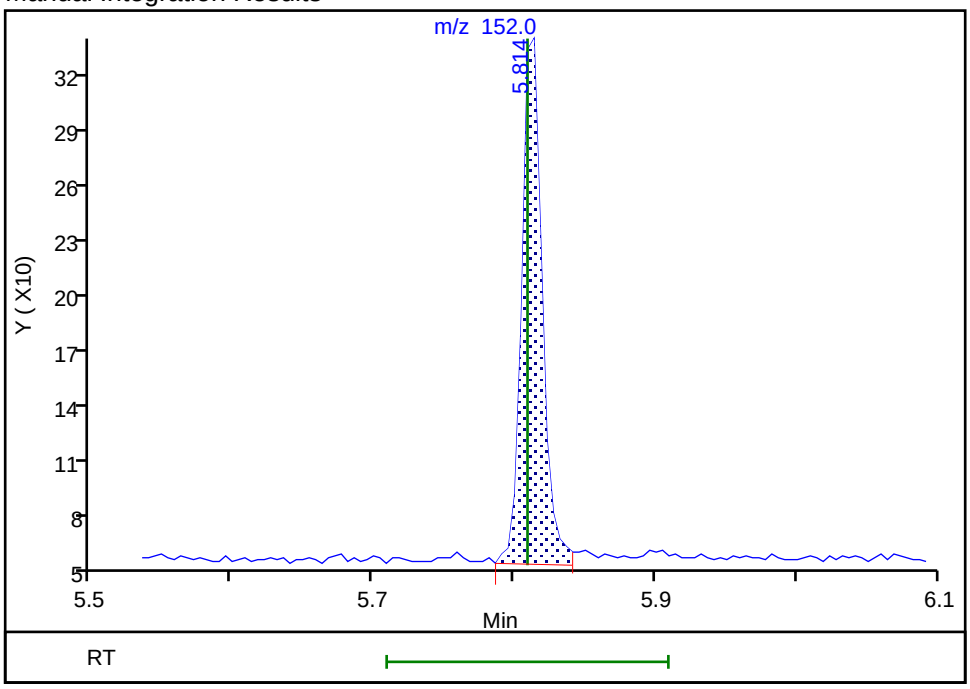
Processing Integration Results

Not Detected
Expected RT: 5.81



Manual Integration Results

RT: 5.81
Area: 283
Amount: 2.228279
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:28:52
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

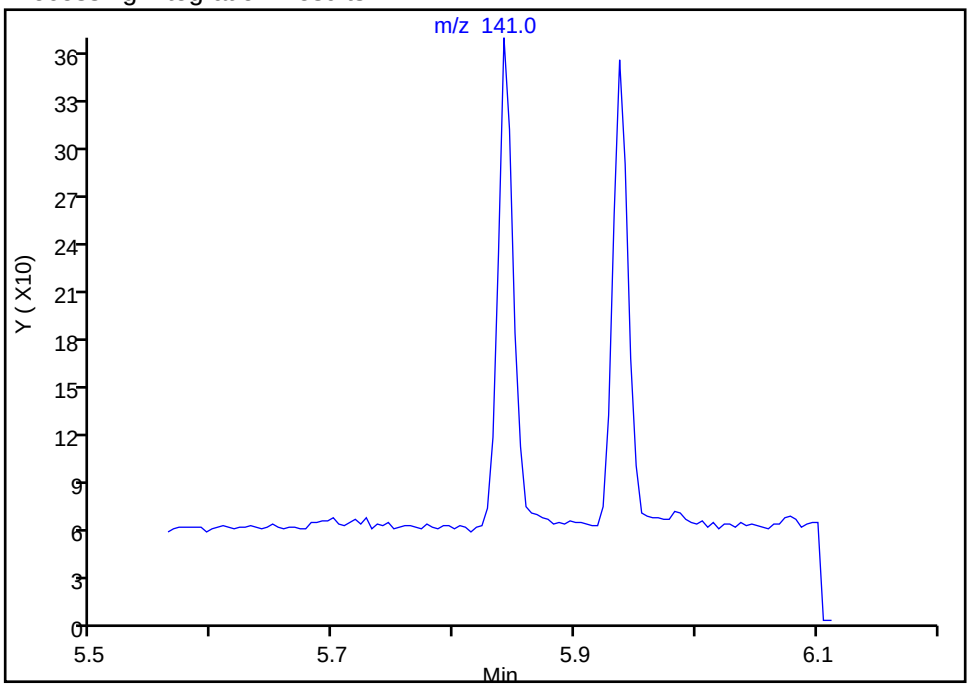
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

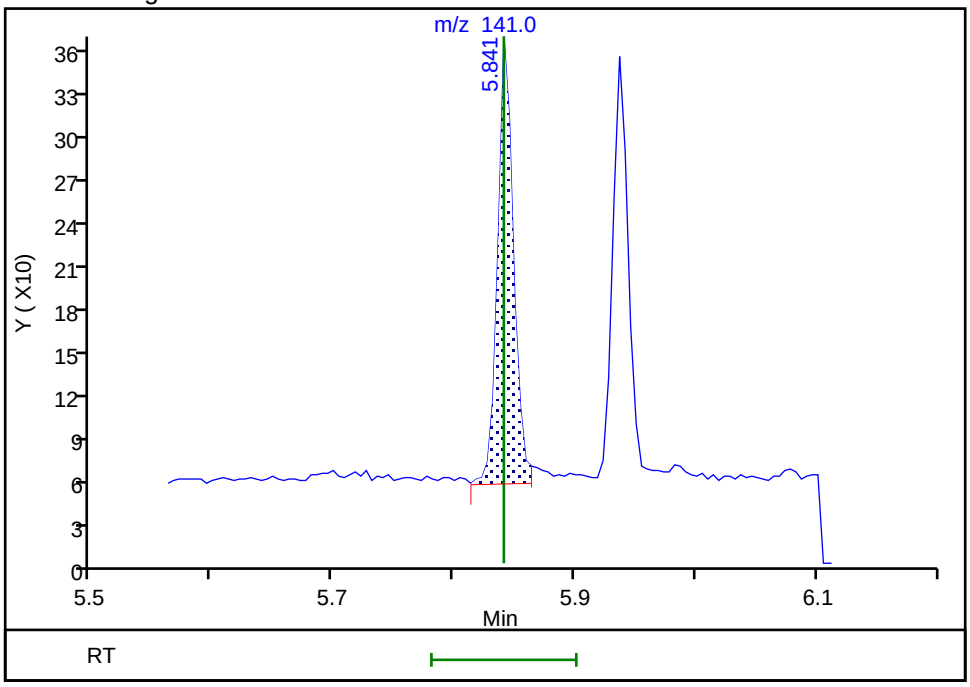
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 282
Amount: 2.189937
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:30:38
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

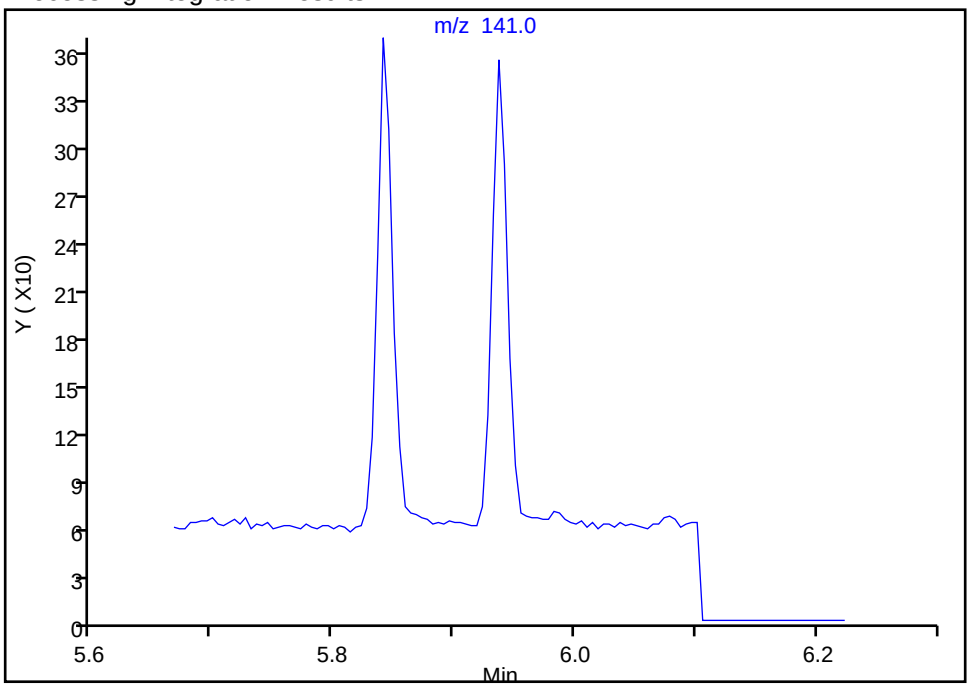
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

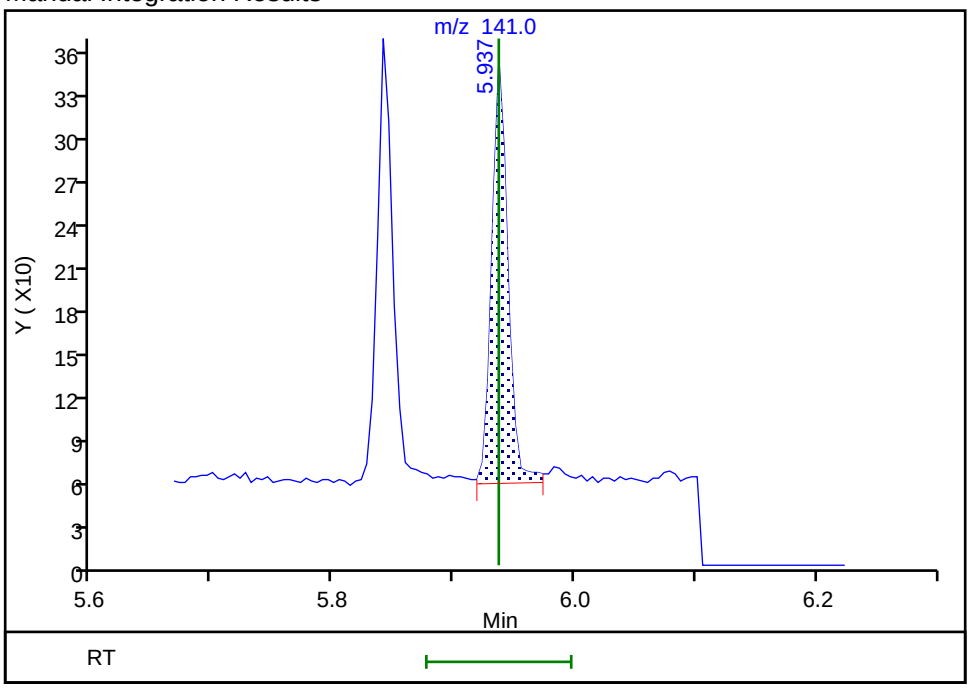
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 274
Amount: 2.196760
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:30:42
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

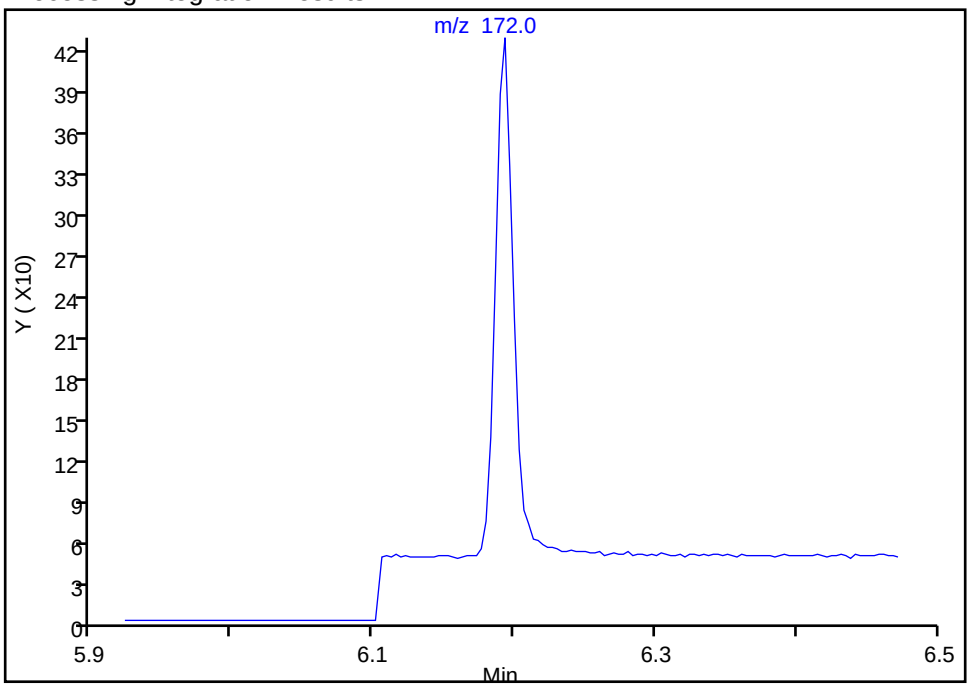
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

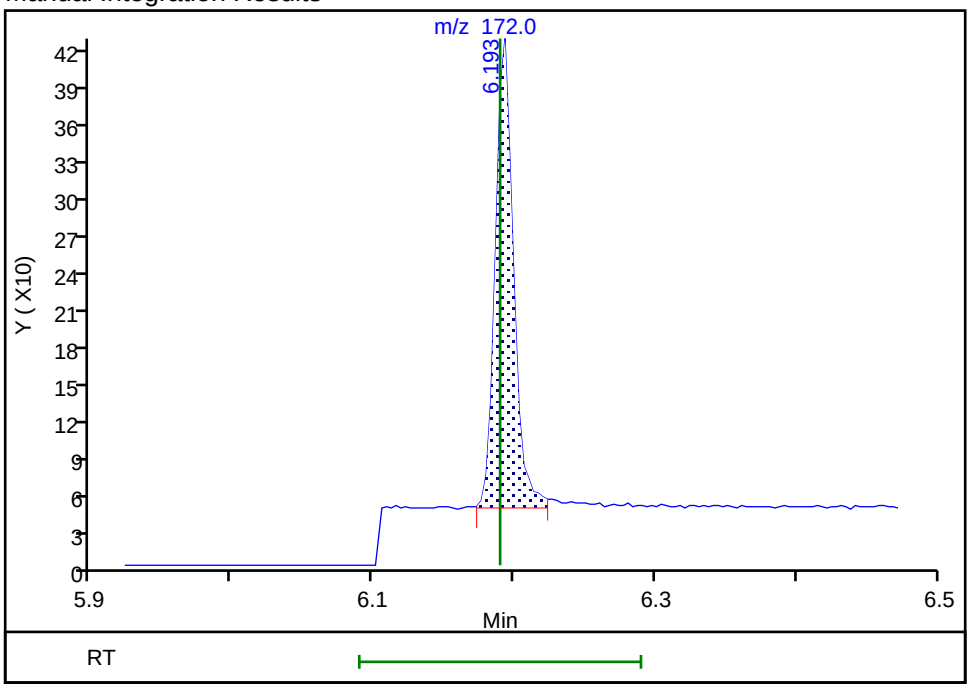
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 336
Amount: 2.206796
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:01
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

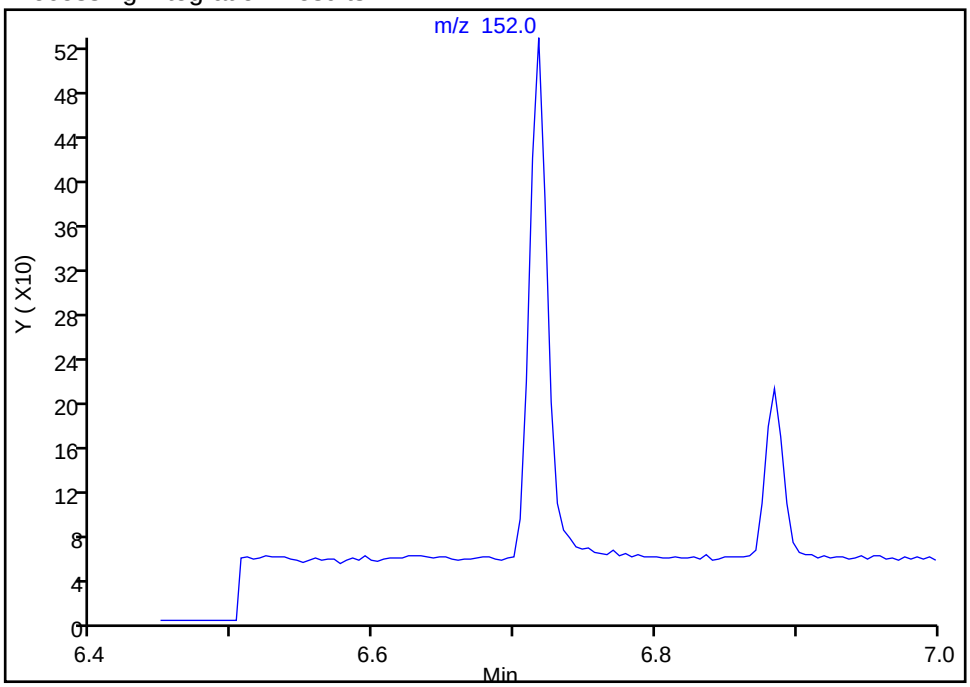
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

14 Acenaphthylene, CAS: 208-96-8

Signal: 1

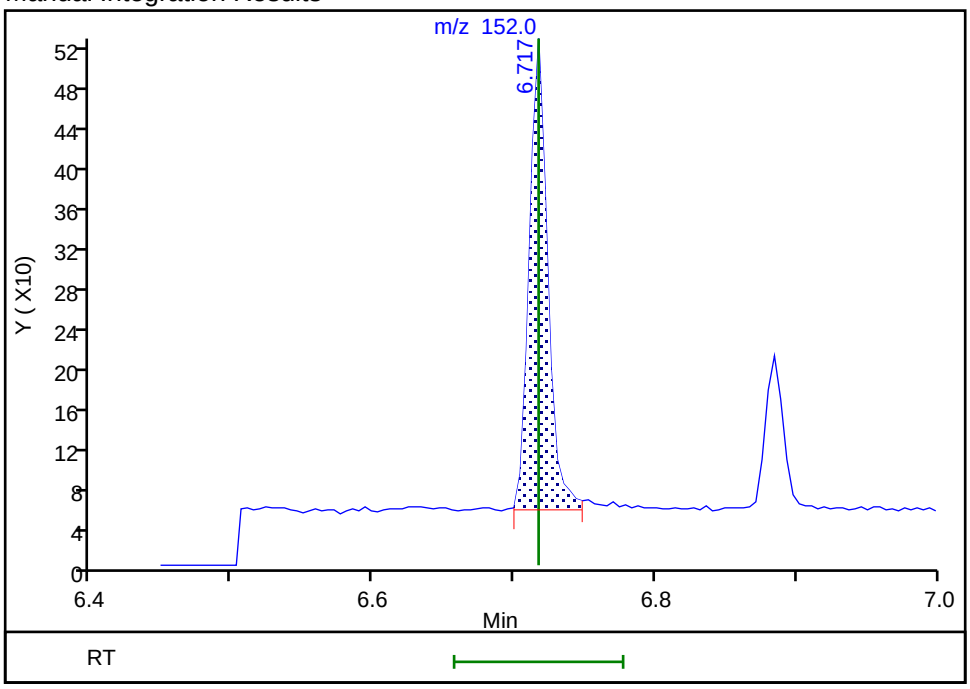
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 422
Amount: 2.097831
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:30:47
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

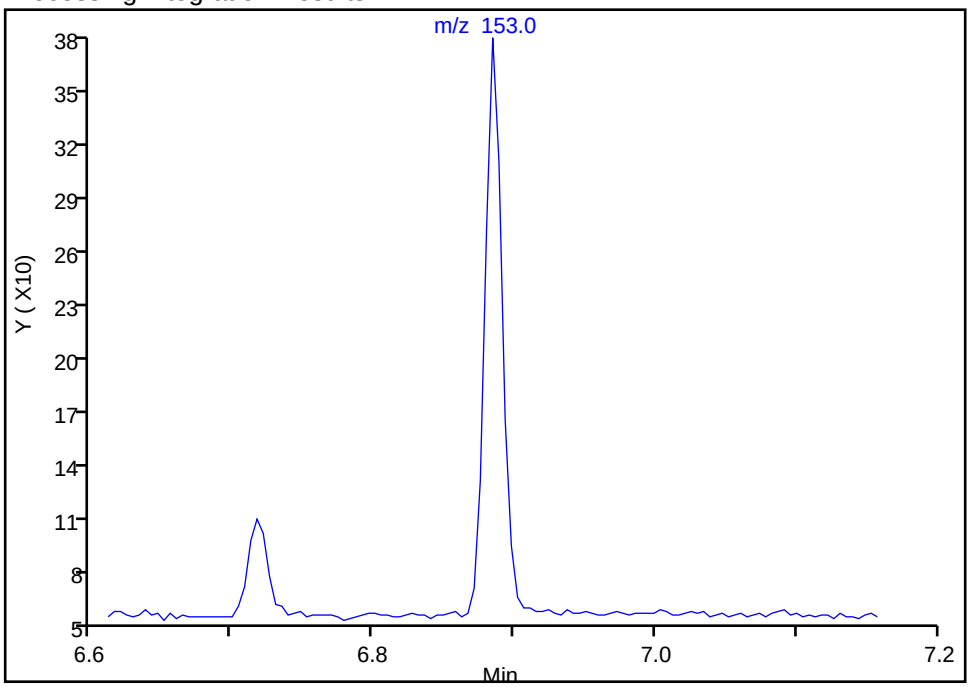
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

15 Acenaphthene, CAS: 83-32-9

Signal: 1

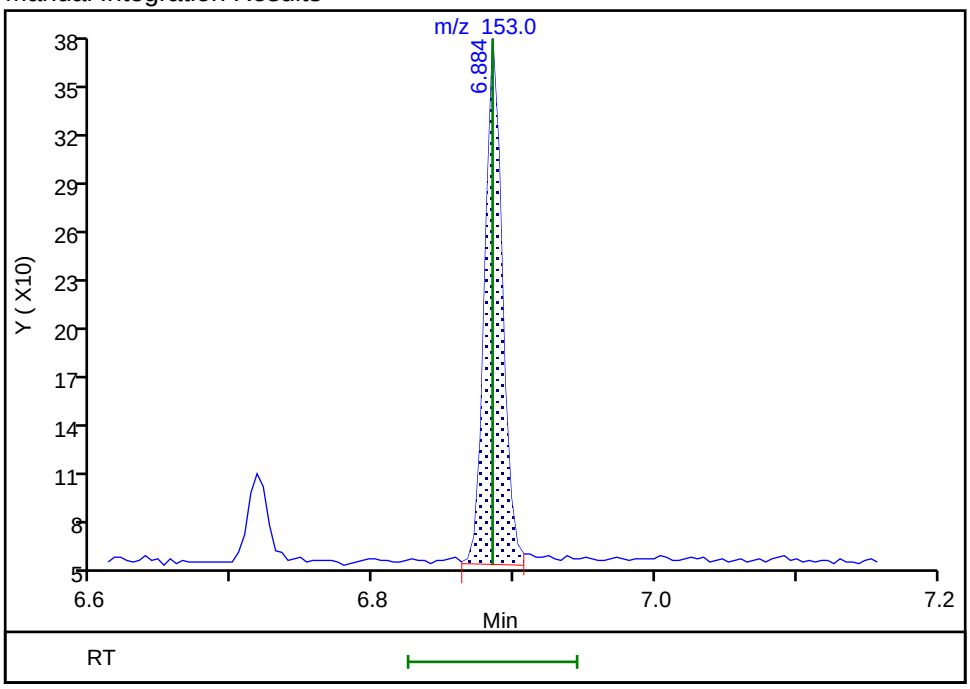
Not Detected
Expected RT: 6.88

Processing Integration Results



Manual Integration Results

RT: 6.88
Area: 283
Amount: 2.241789
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:30:51
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

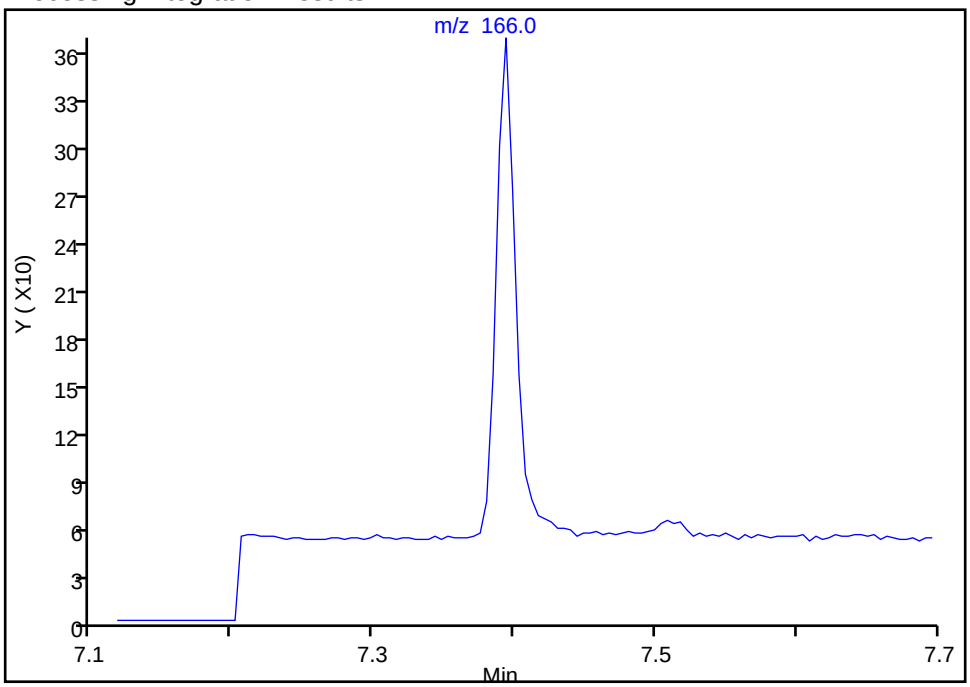
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Fluorene, CAS: 86-73-7

Signal: 1

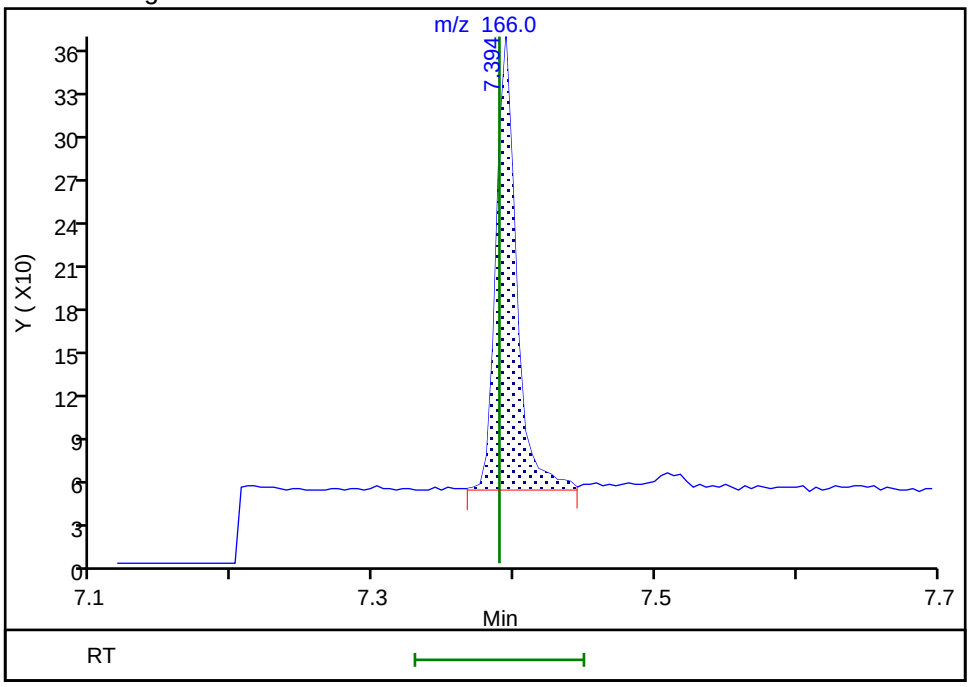
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 316
Amount: 2.245311
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:31:00
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

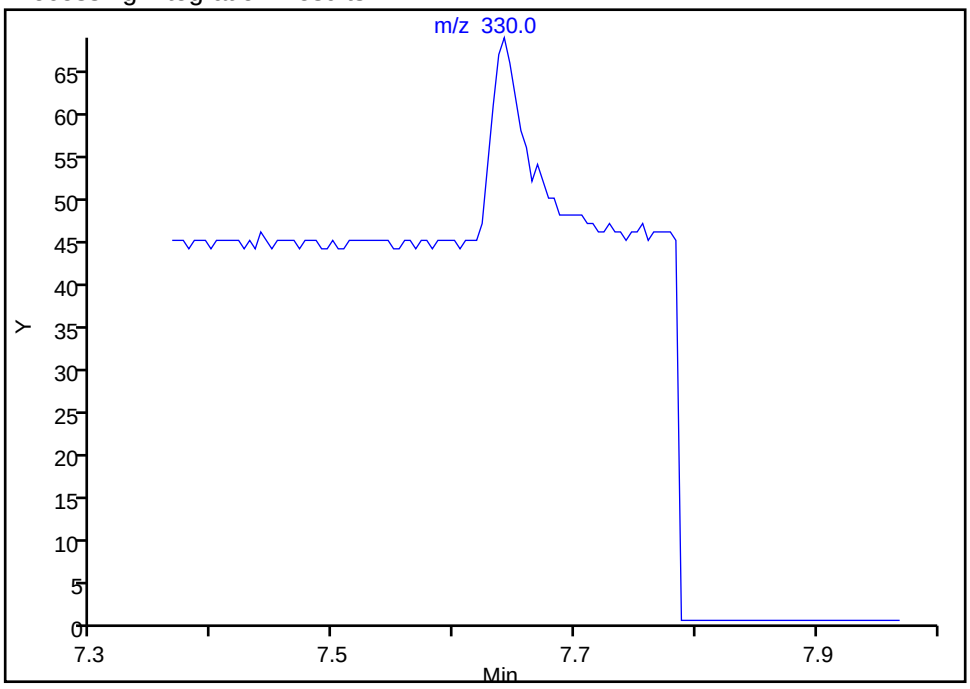
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 7 2,4,6-Tribromophenol, CAS: 118-79-6

Signal: 1

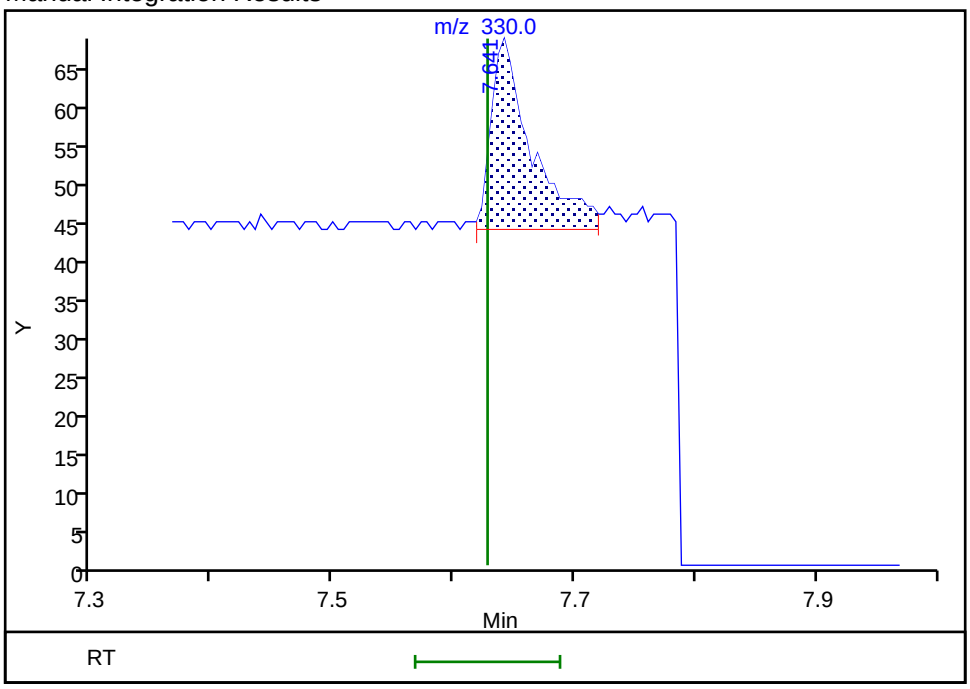
Not Detected
Expected RT: 7.63

Processing Integration Results



Manual Integration Results

RT: 7.64
Area: 57
Amount: 7.642771
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:07
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

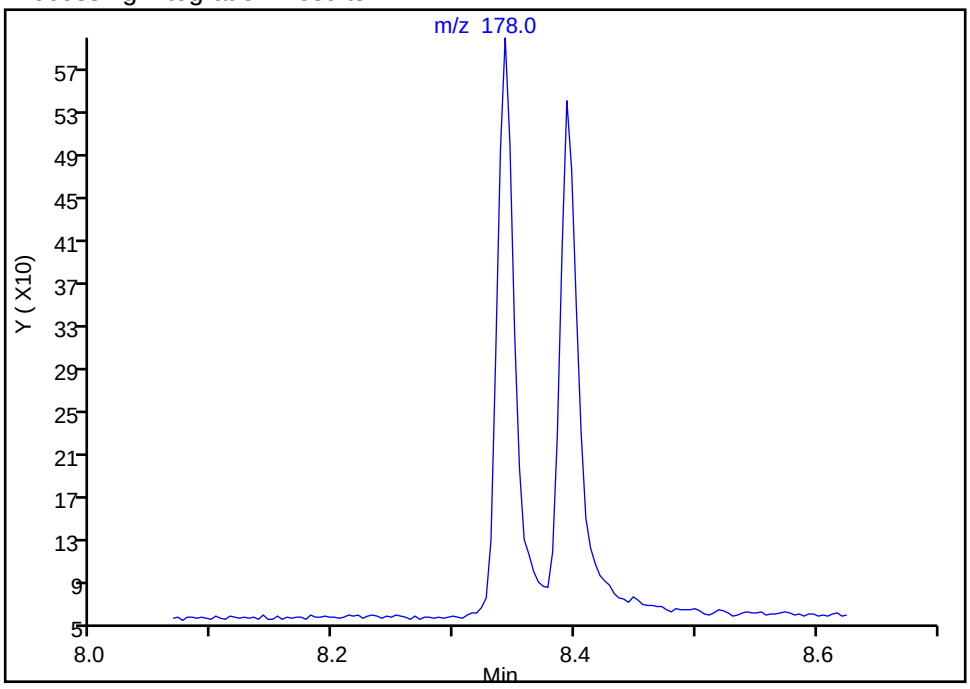
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

18 Phenanthrene, CAS: 85-01-8

Signal: 1

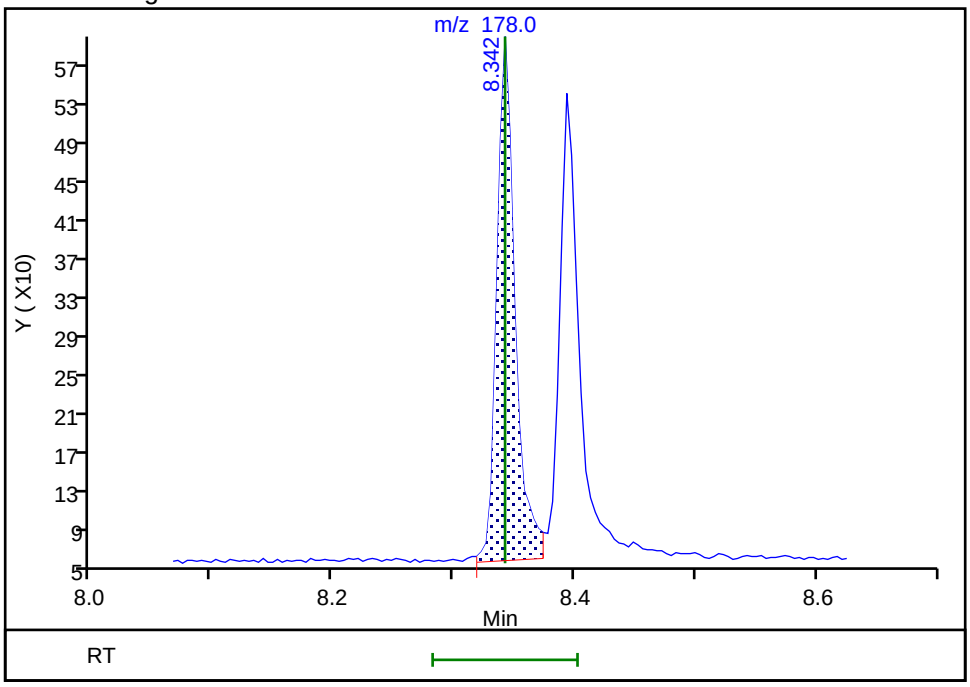
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.34
Area: 566
Amount: 1.967126
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:31:27
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

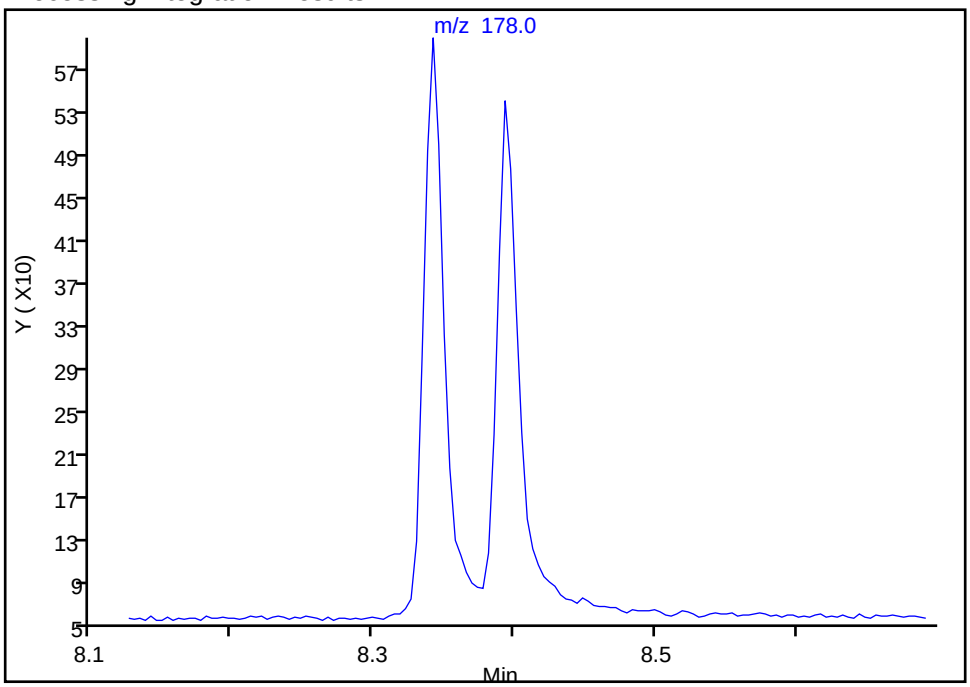
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

19 Anthracene, CAS: 120-12-7

Signal: 1

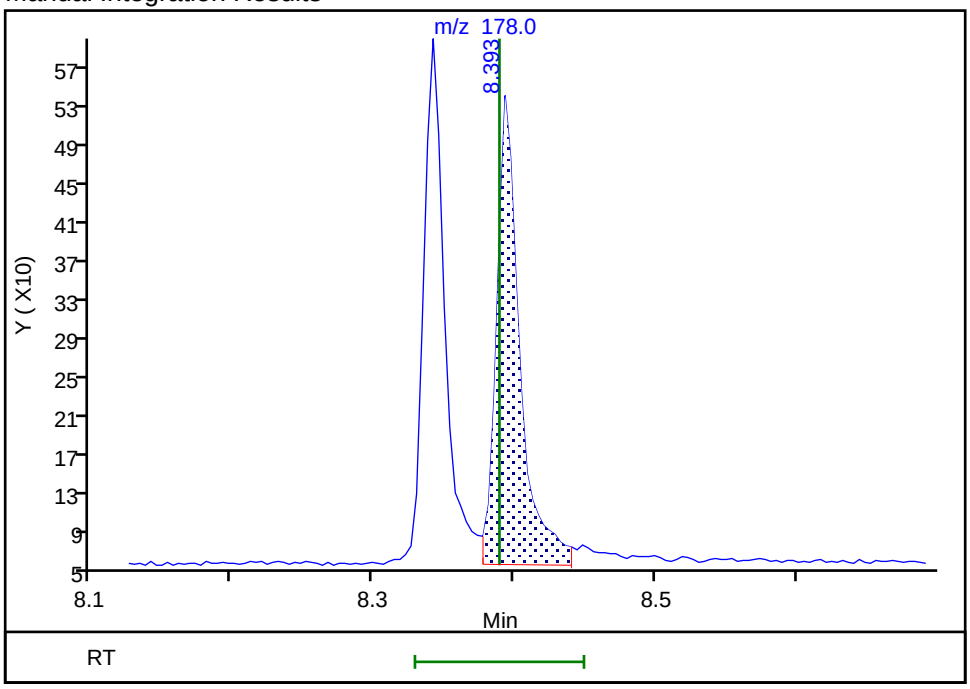
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.39
Area: 553
Amount: 2.094955
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:31:35
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

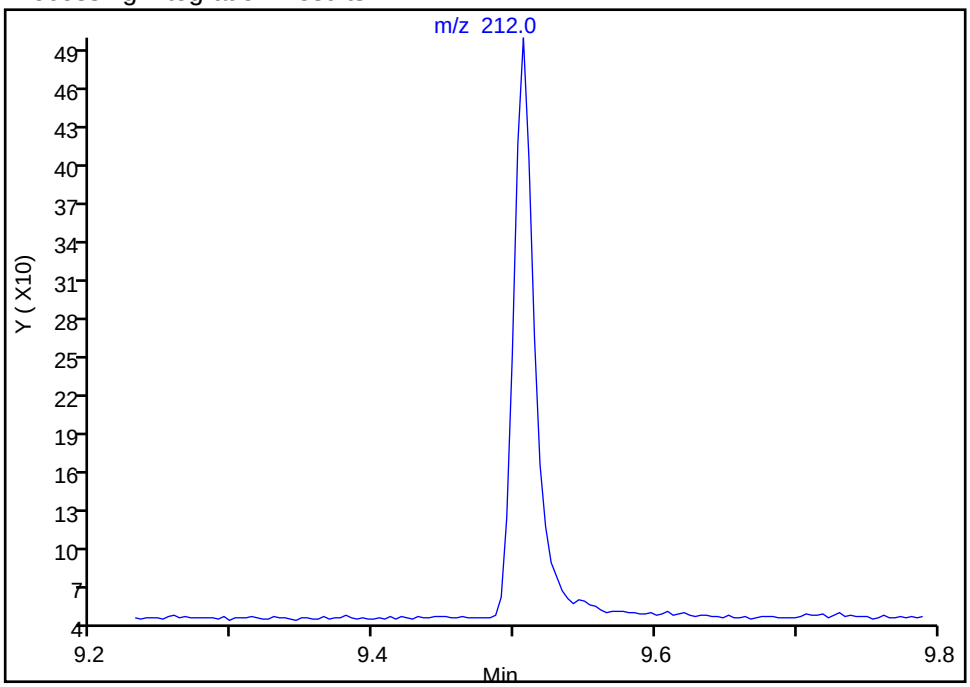
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 8 Fluoranthene-d10 (Surr), CAS: 93951-69-0

Signal: 1

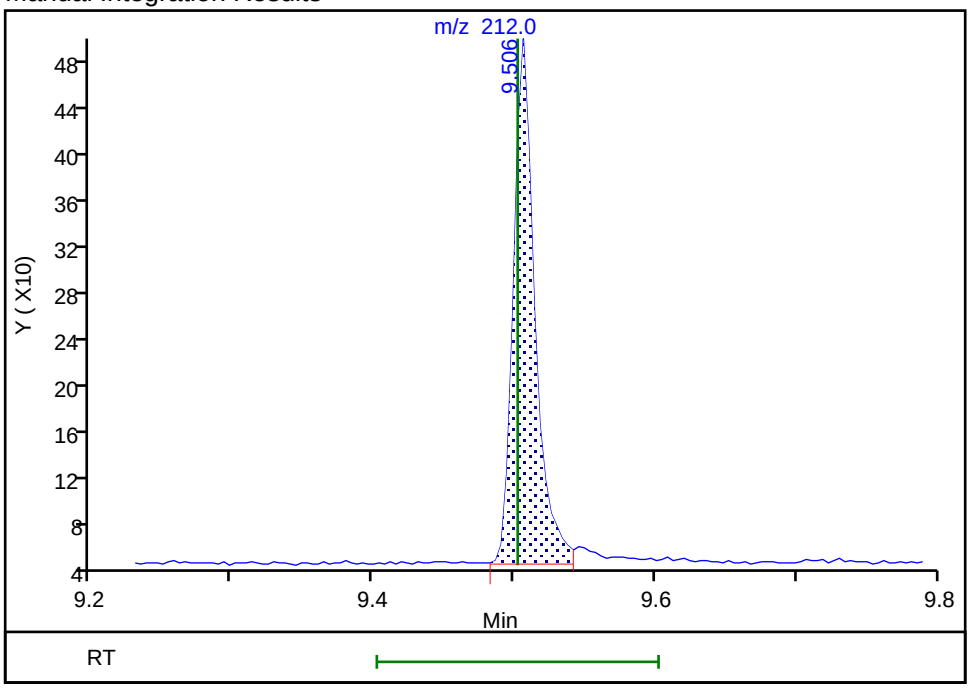
Not Detected
Expected RT: 9.50

Processing Integration Results



RT: 9.51
Area: 476
Amount: 2.003238
Amount Units: ug/L

Manual Integration Results



Reviewer: boylea, 14-Jan-2022 14:29:12
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

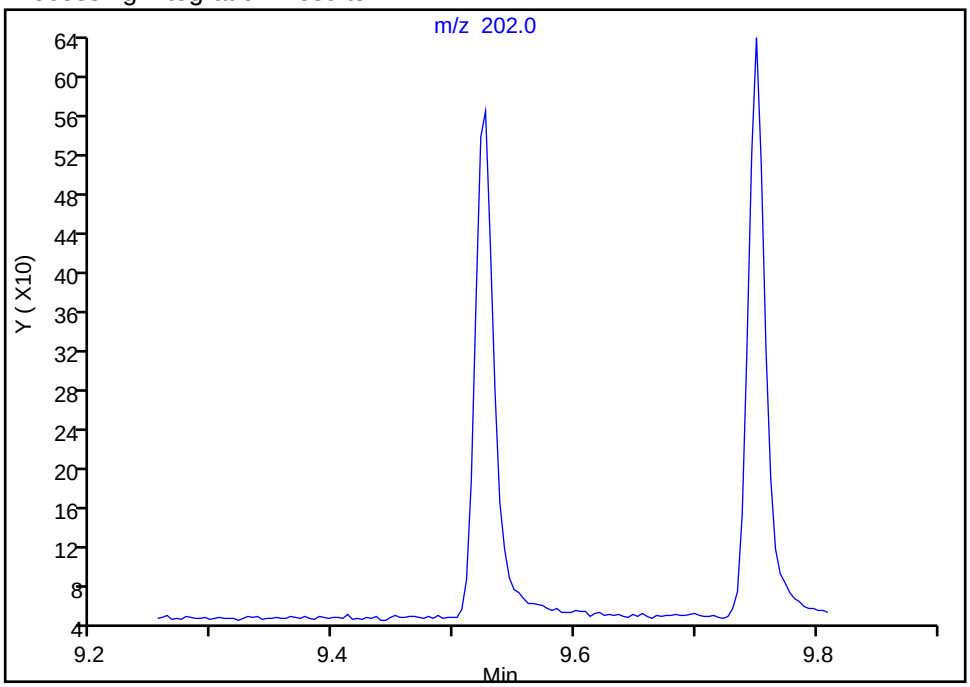
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

20 Fluoranthene, CAS: 206-44-0

Signal: 1

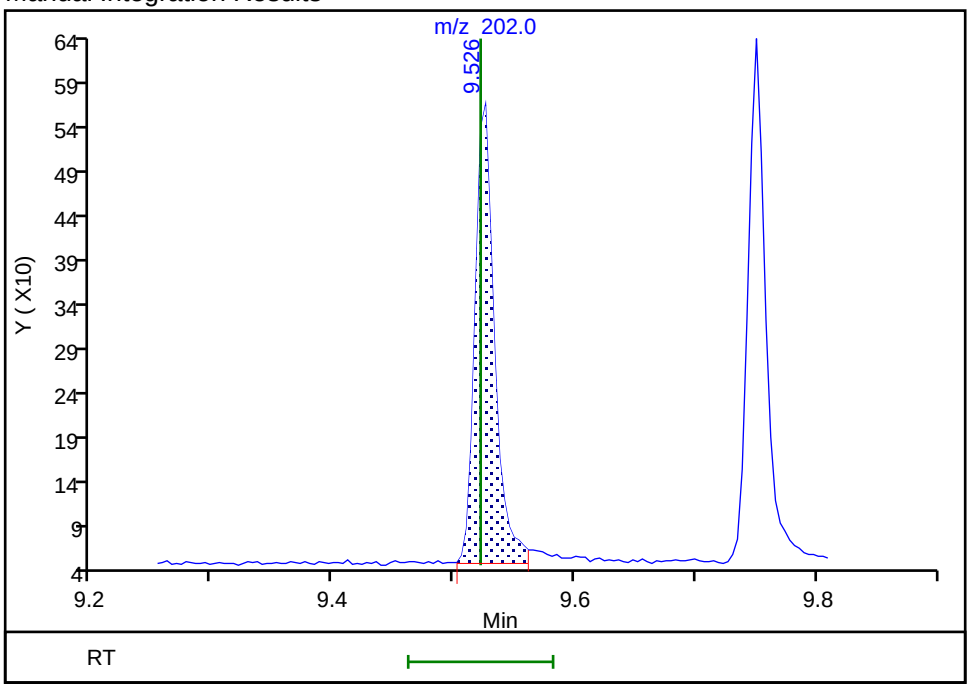
Not Detected
Expected RT: 9.52

Processing Integration Results



Manual Integration Results

RT: 9.53
Area: 571
Amount: 1.994015
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:31:48
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

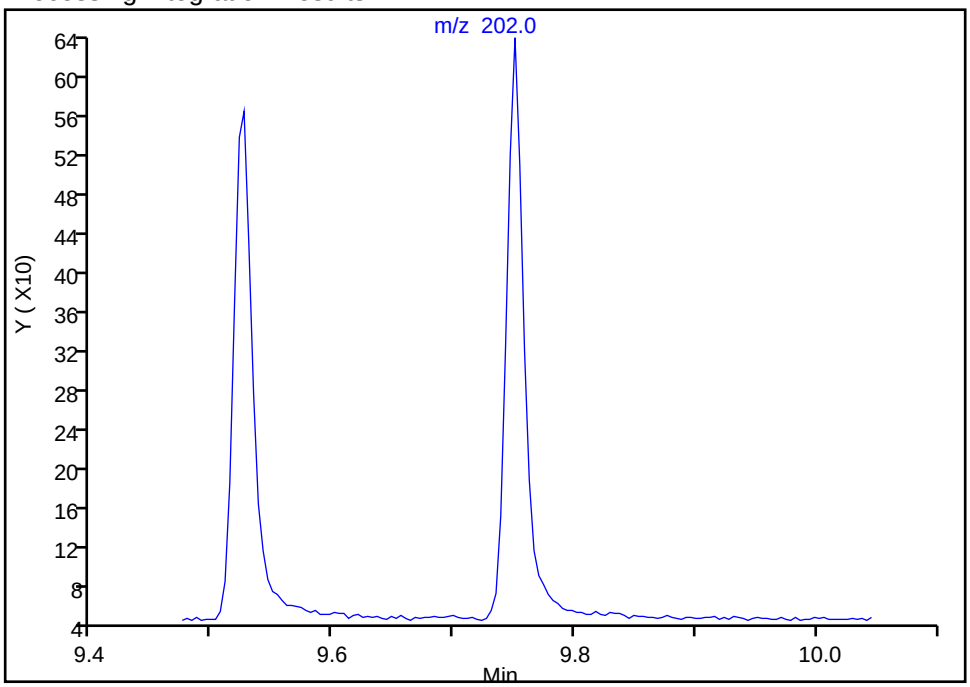
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

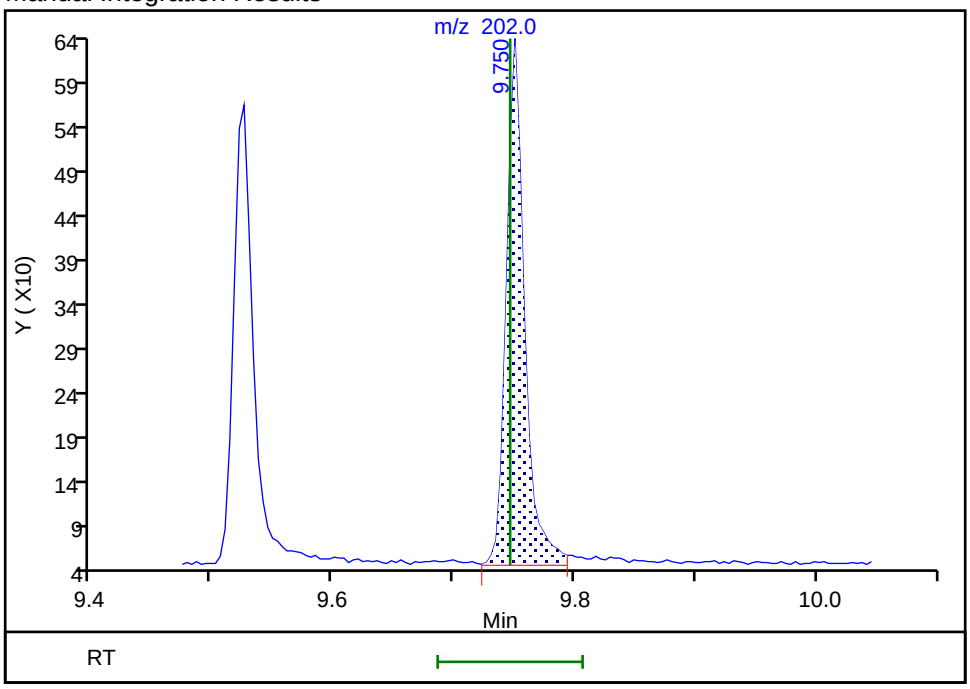
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 611
Amount: 1.982742
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:31:58
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

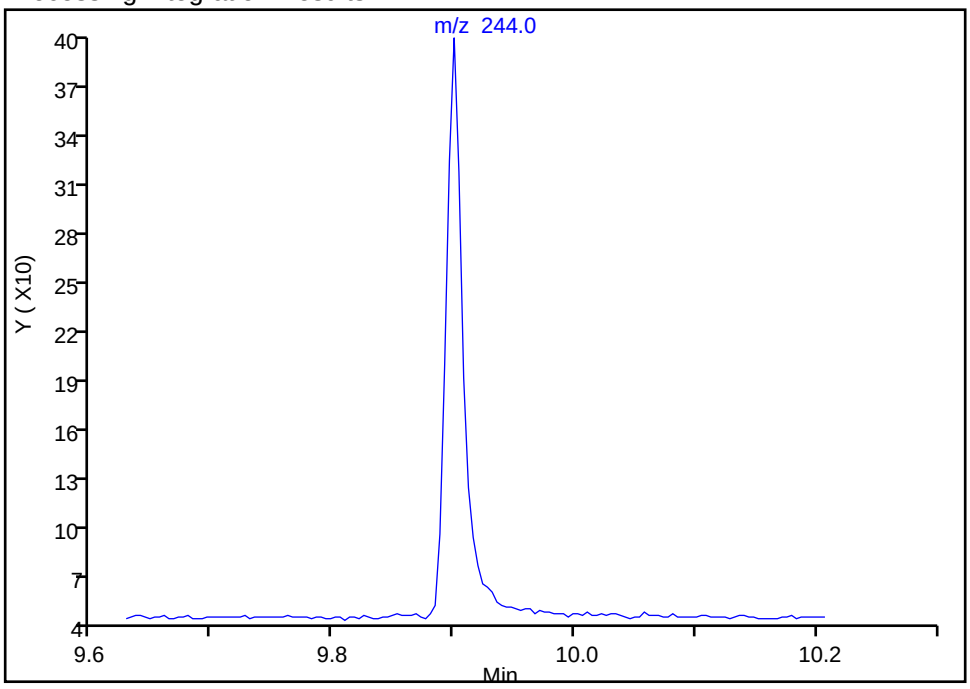
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 9 Terphenyl-d14, CAS: 1718-51-0

Signal: 1

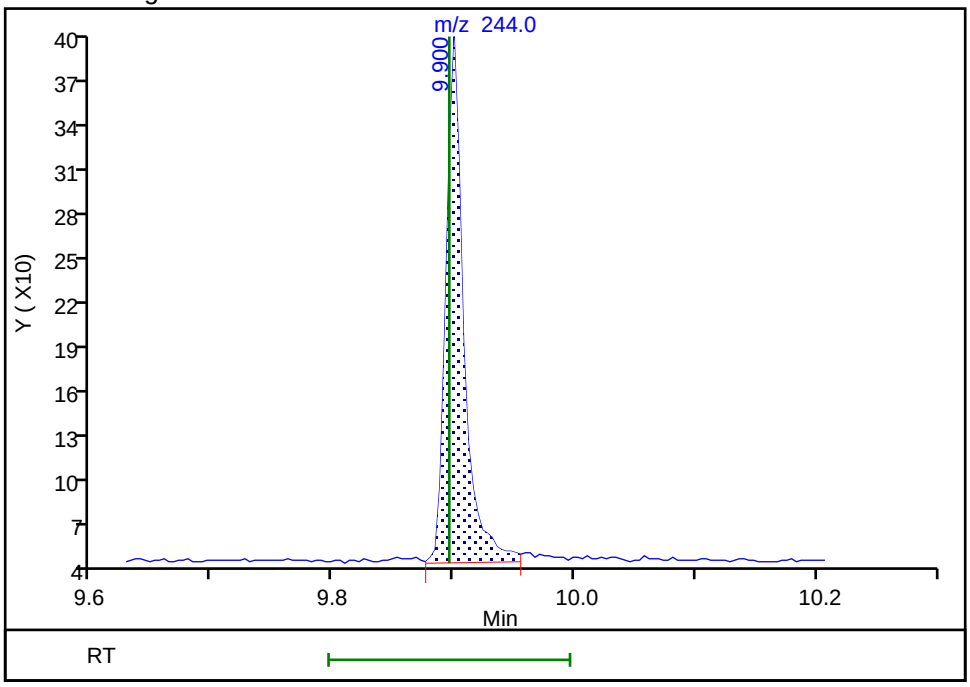
Not Detected
Expected RT: 9.90

Processing Integration Results



Manual Integration Results

RT: 9.90
Area: 359
Amount: 3.087528
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:29:20
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

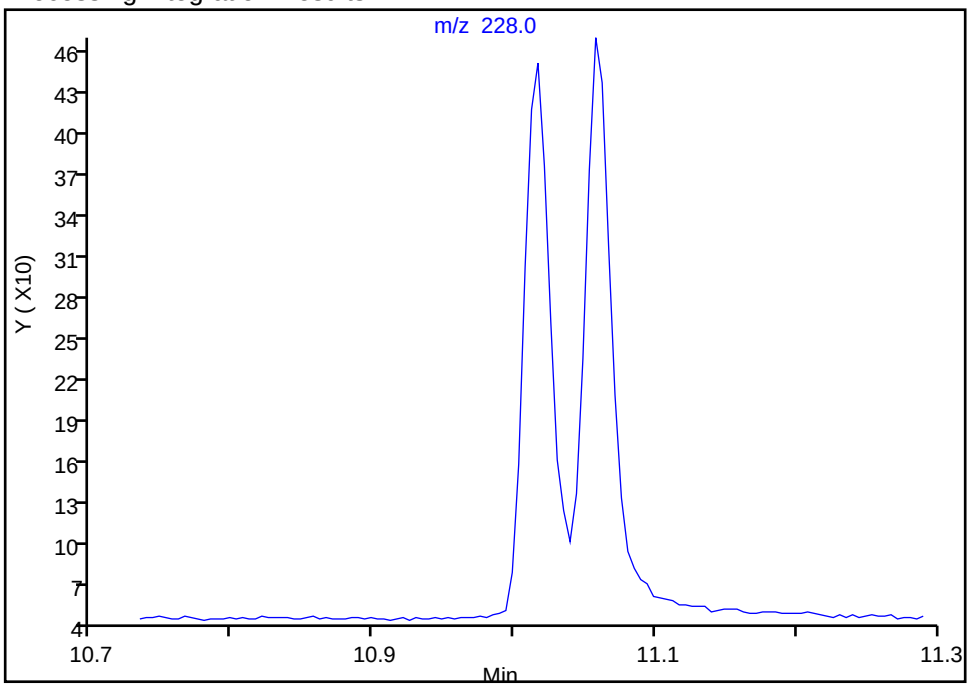
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

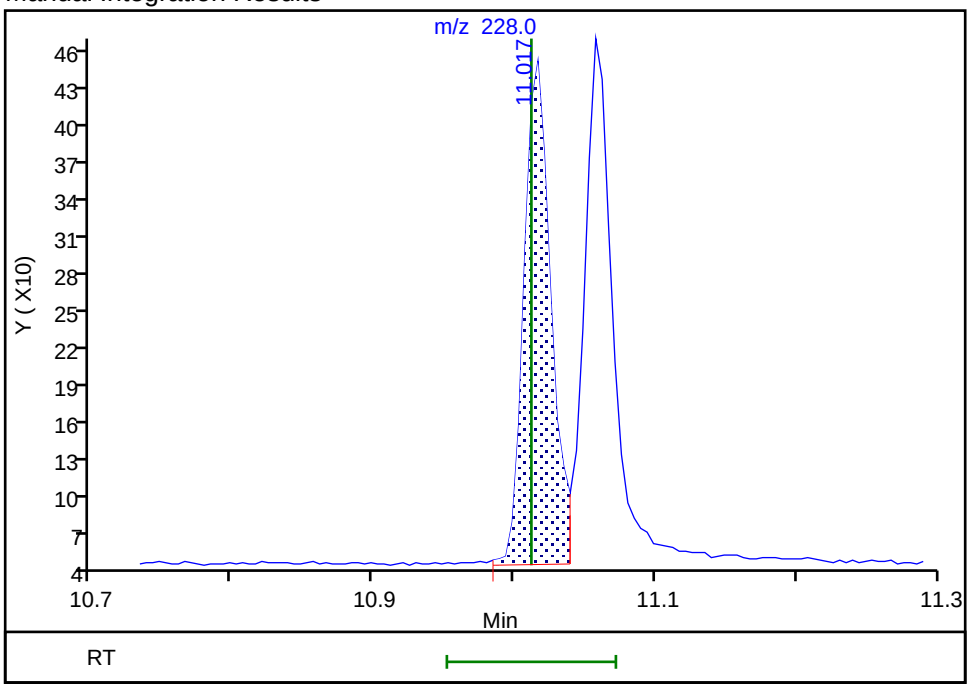
Not Detected
Expected RT: 11.01

Processing Integration Results



Manual Integration Results

RT: 11.02
Area: 524
Amount: 2.042284
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:08
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

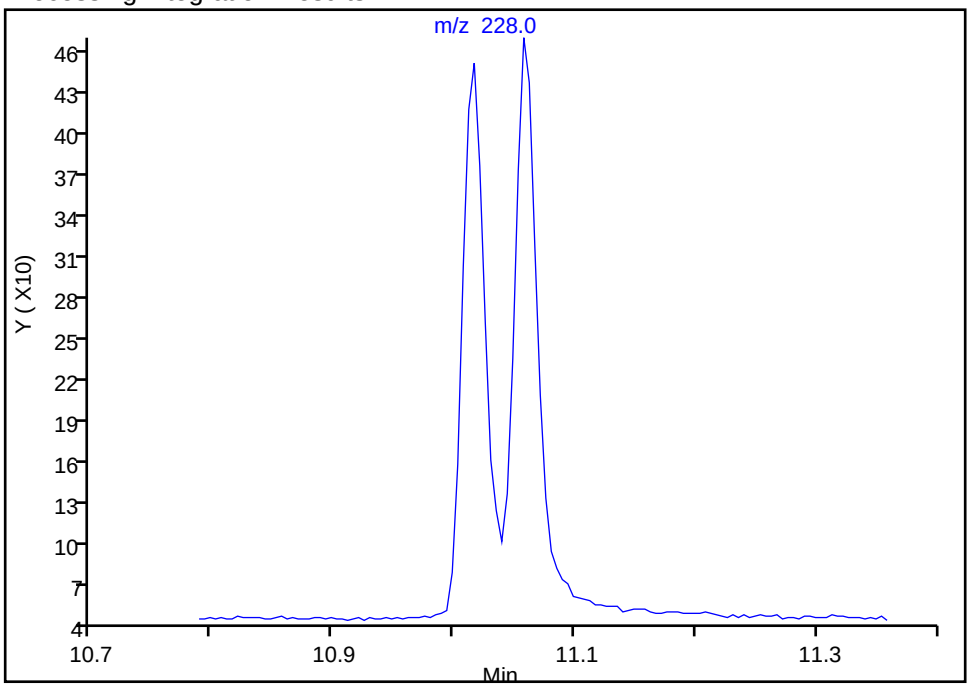
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Chrysene, CAS: 218-01-9

Signal: 1

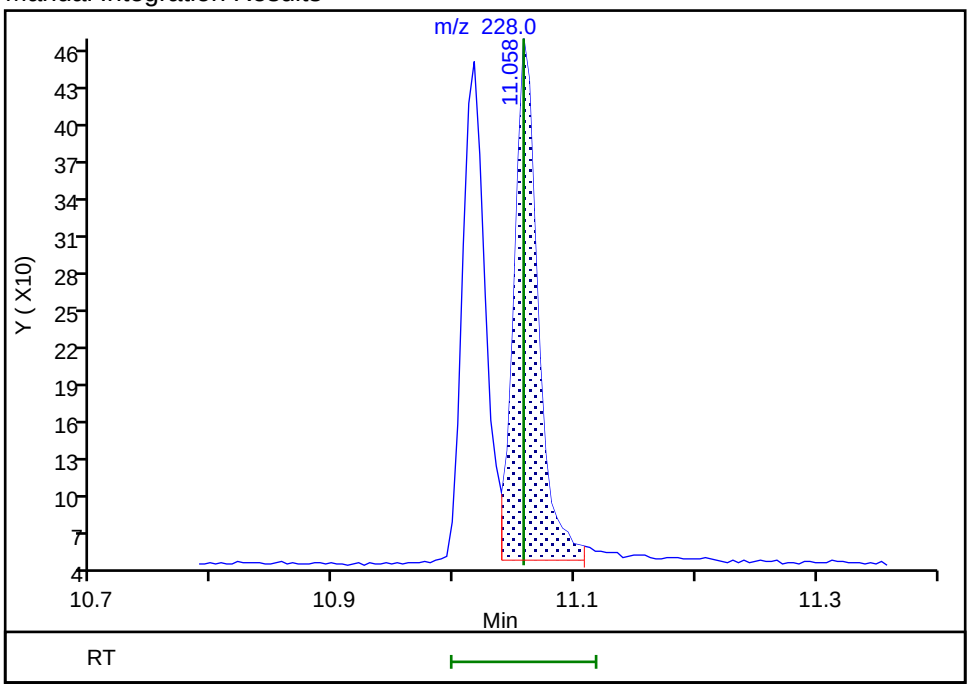
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 561
Amount: 1.956936
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:13
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

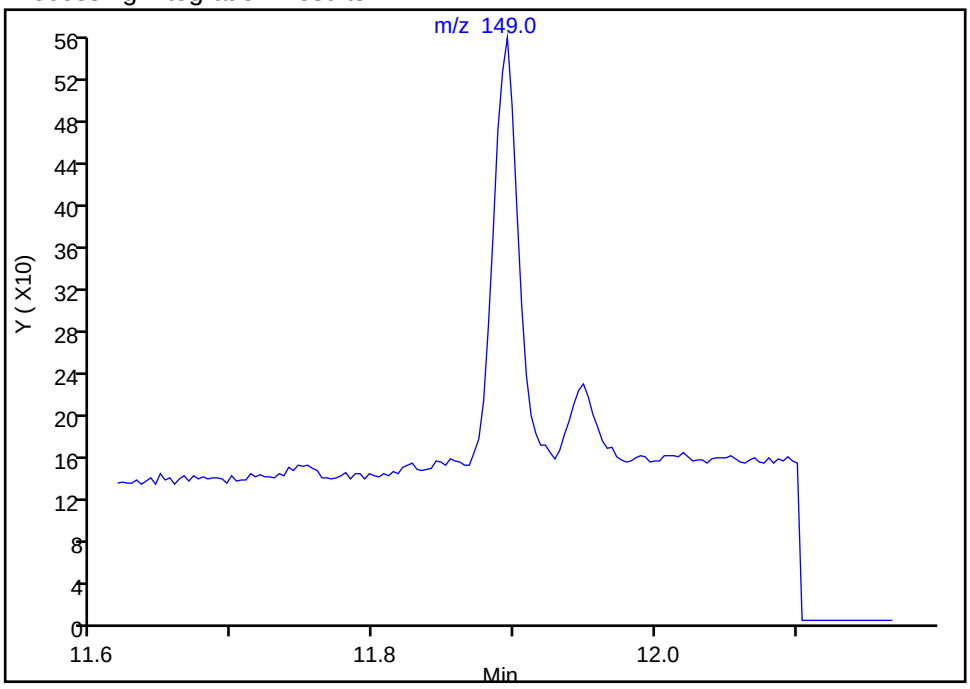
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

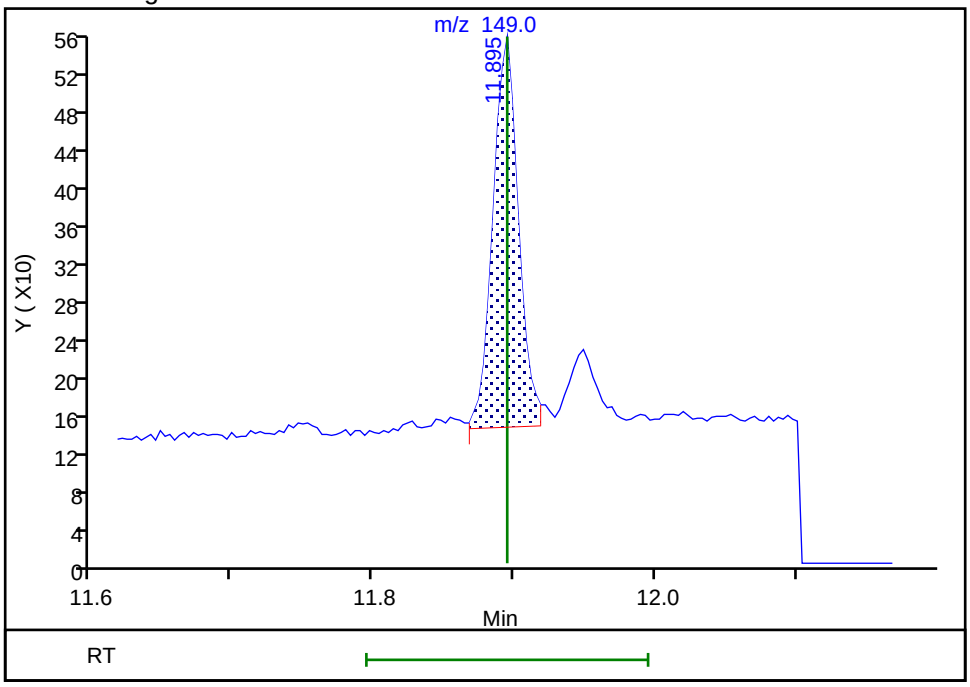
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 509
Amount: 2.068430
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:19
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

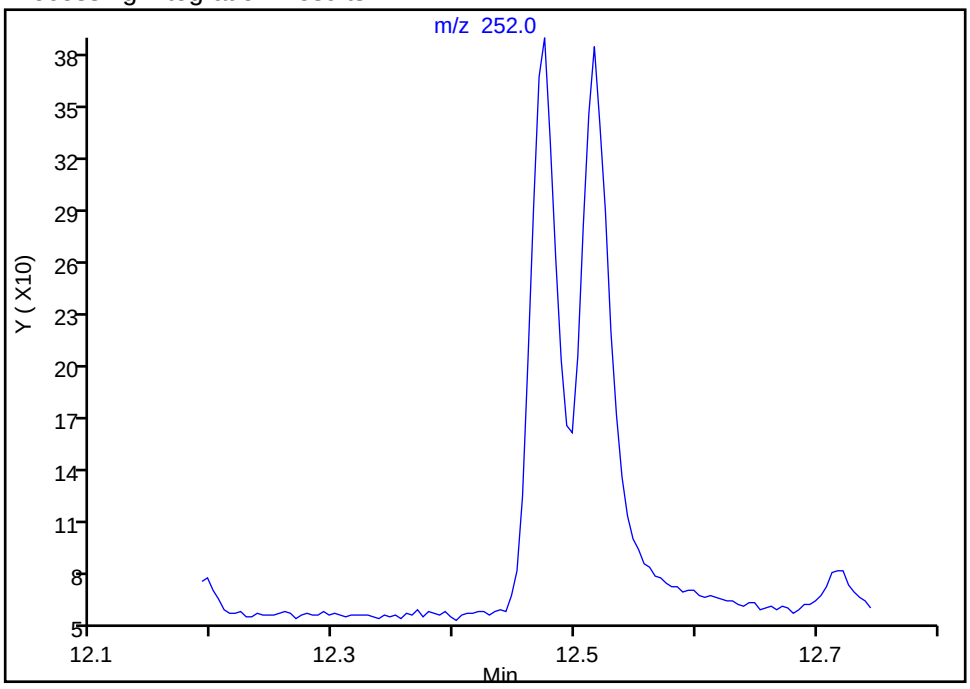
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

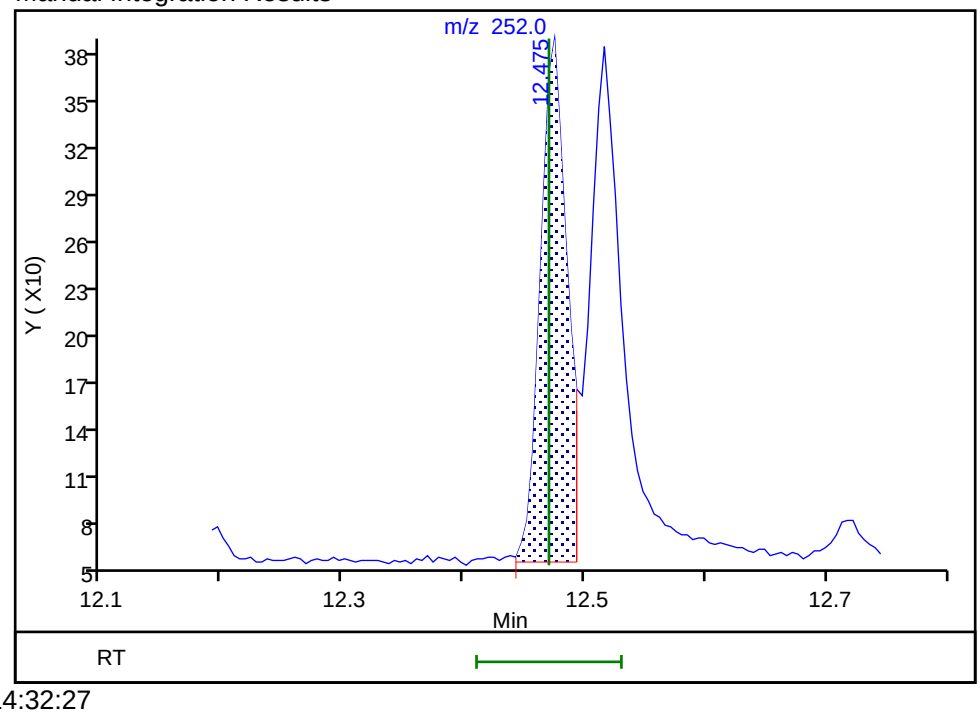
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 491
Amount: 2.064597
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:27
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

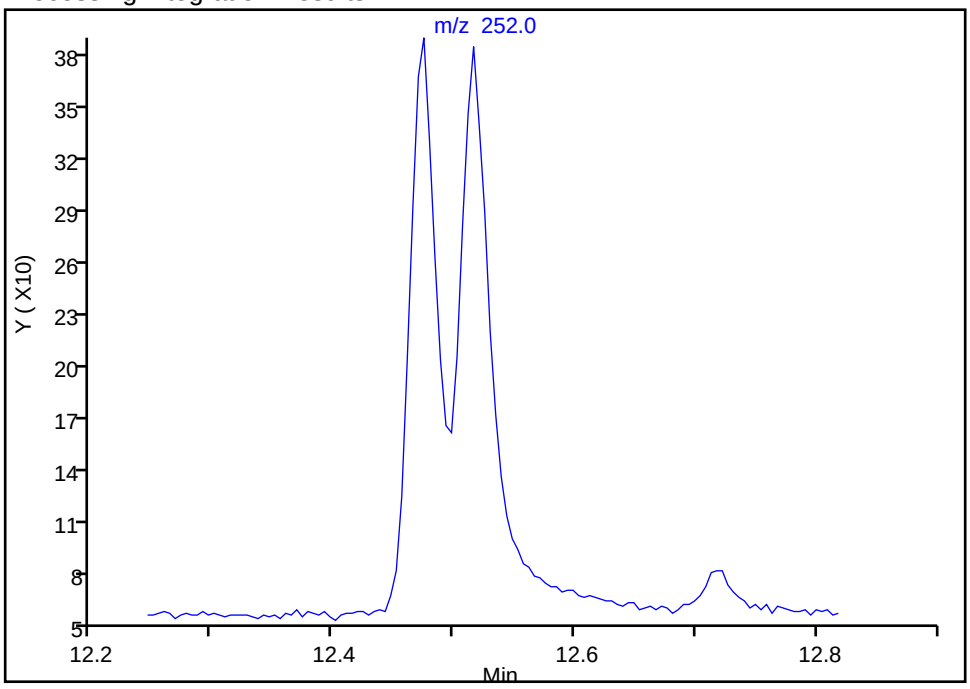
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

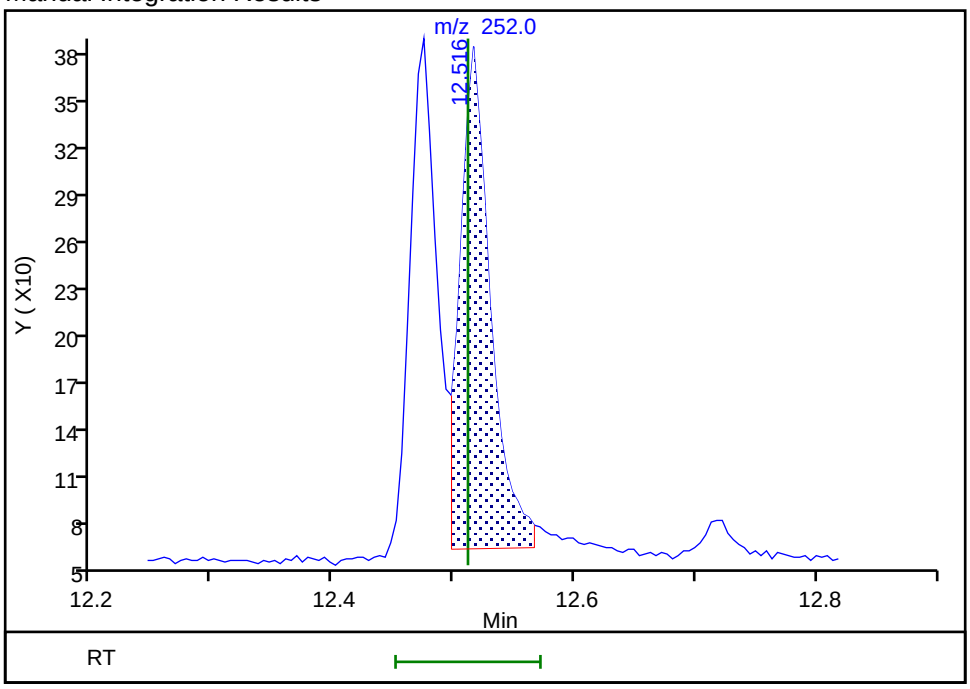
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 540
Amount: 2.036308
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:35
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

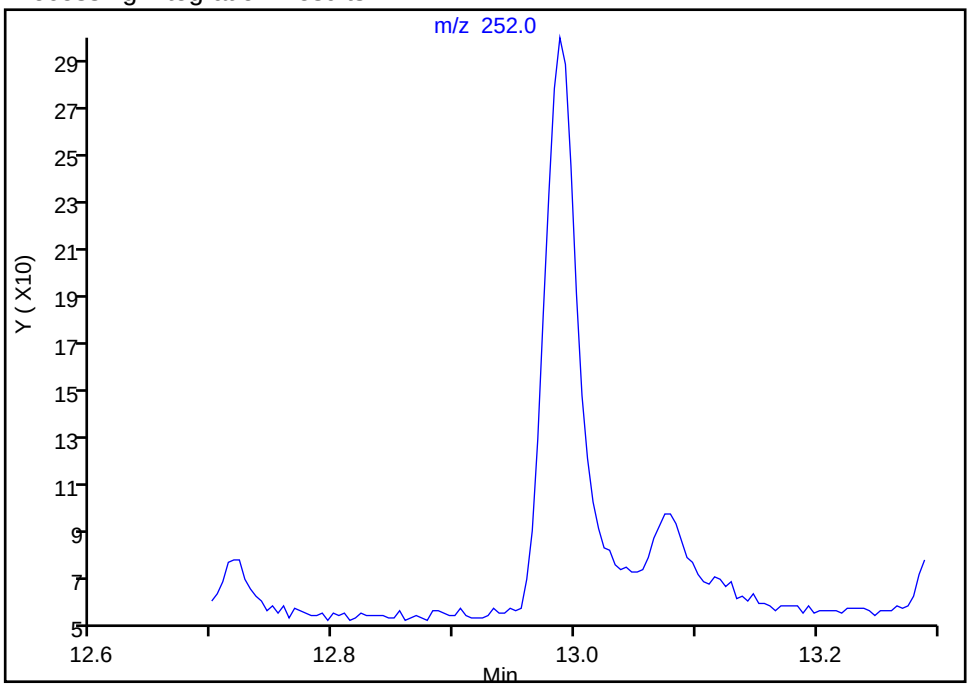
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D
Injection Date: 14-Jan-2022 04:45:30 Instrument ID: TAC050
Lims ID: std2
Client ID:
Operator ID: jcm ALS Bottle#: 15 Worklist Smp#: 15
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

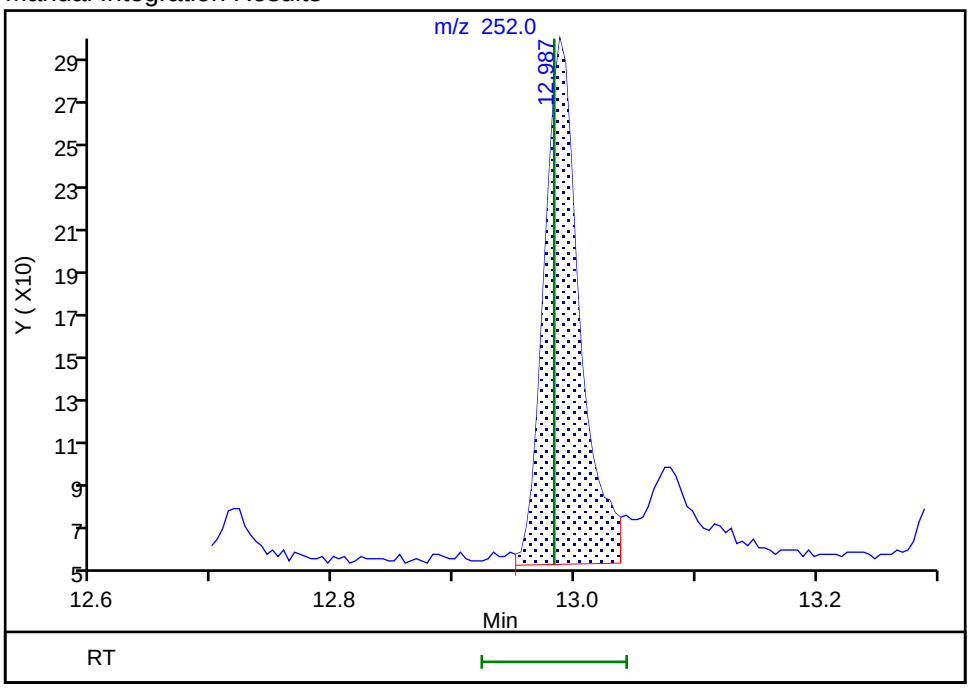
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 494
Amount: 2.086996
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:43
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

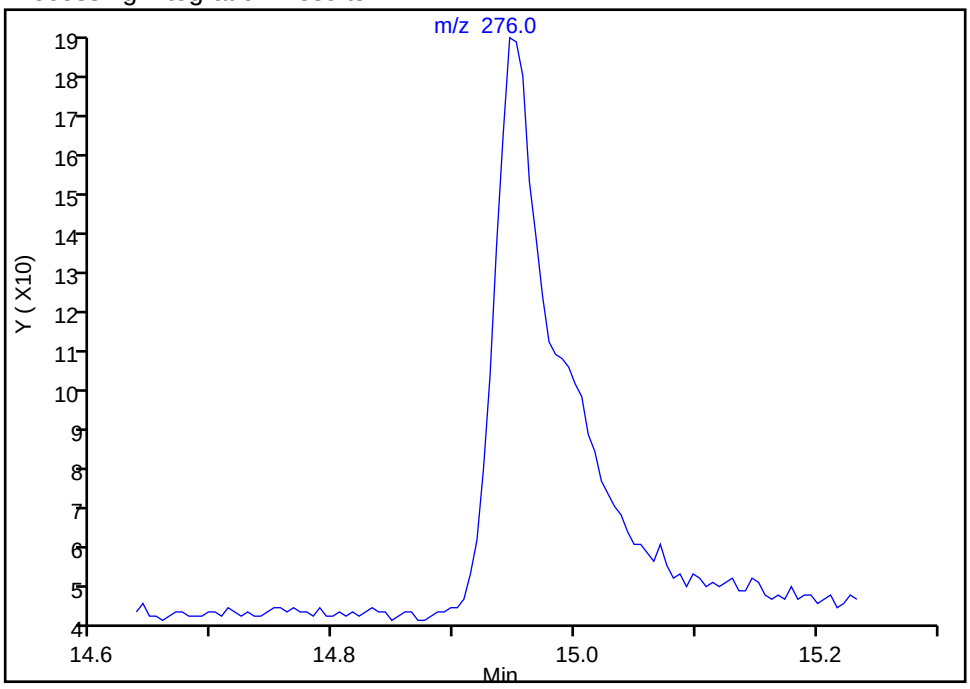
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

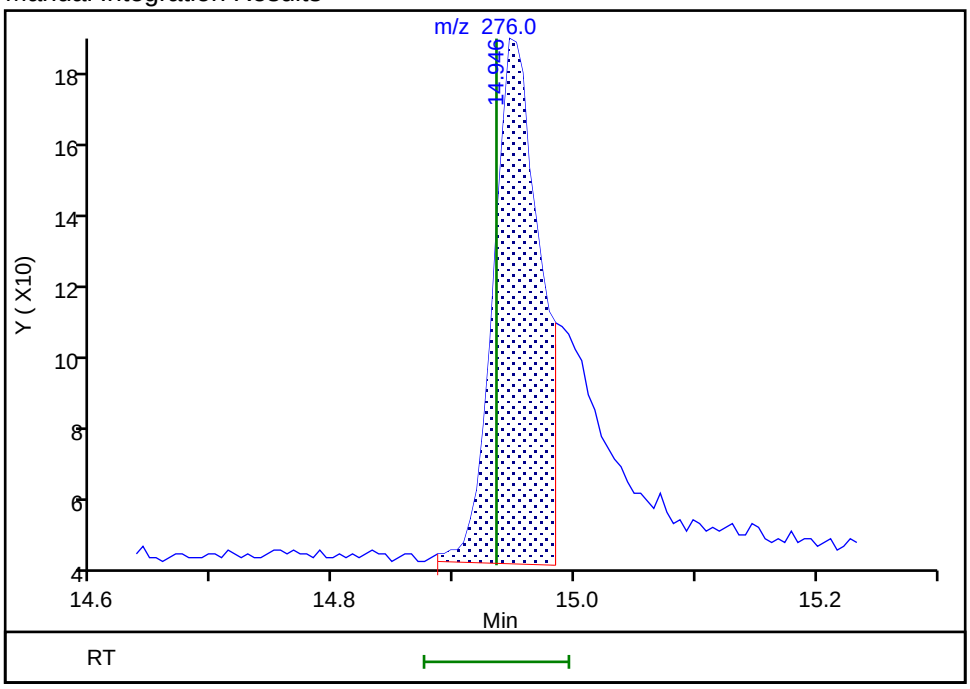
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.95
Area: 365
Amount: 2.771632
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:51
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

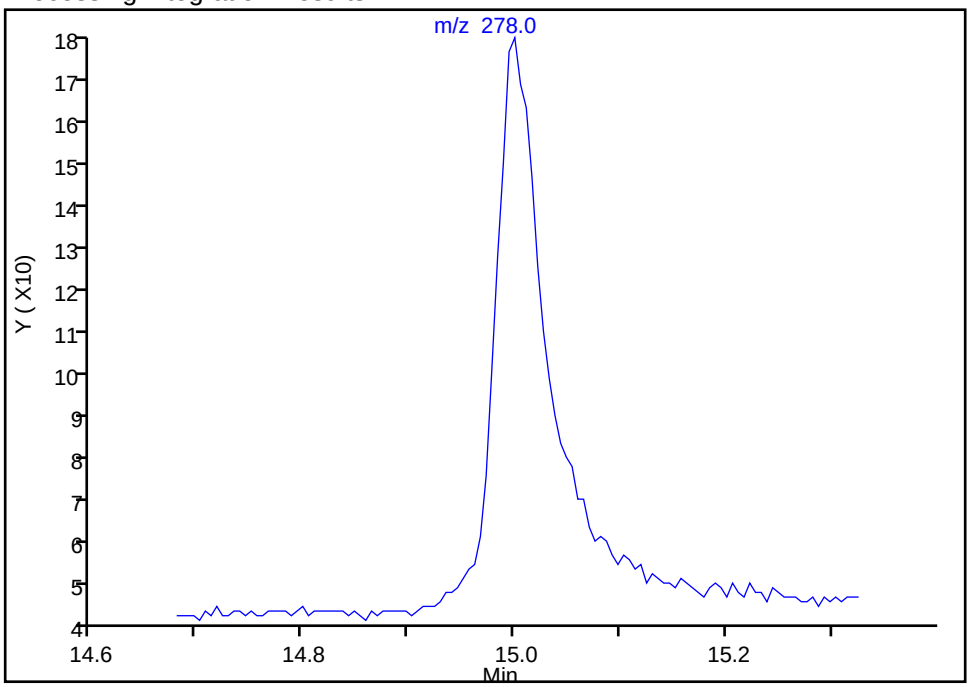
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

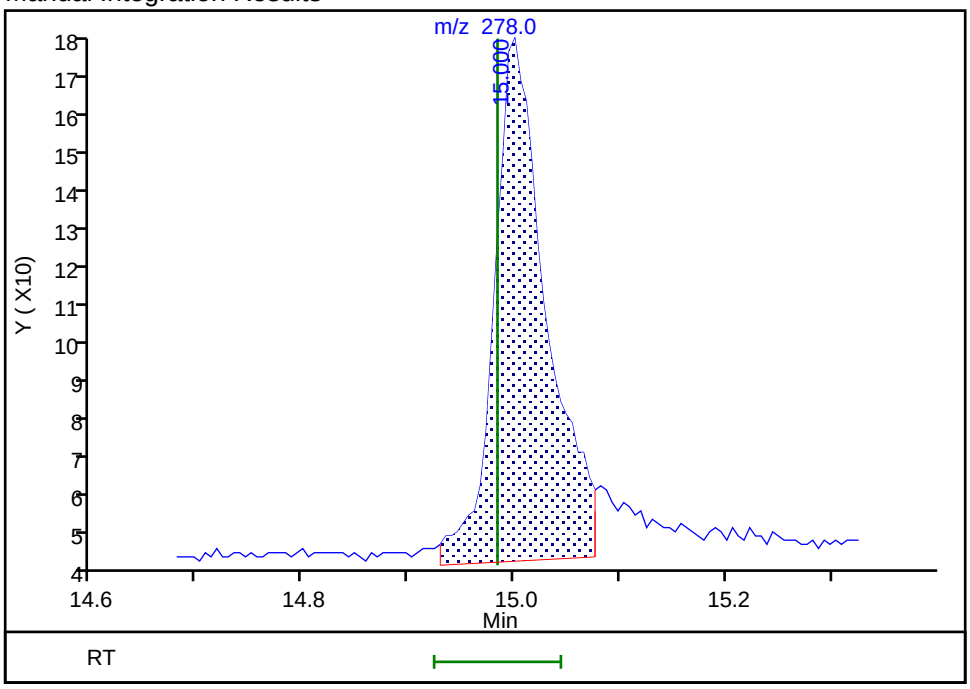
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 15.00
Area: 429
Amount: 2.006314
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:32:59
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

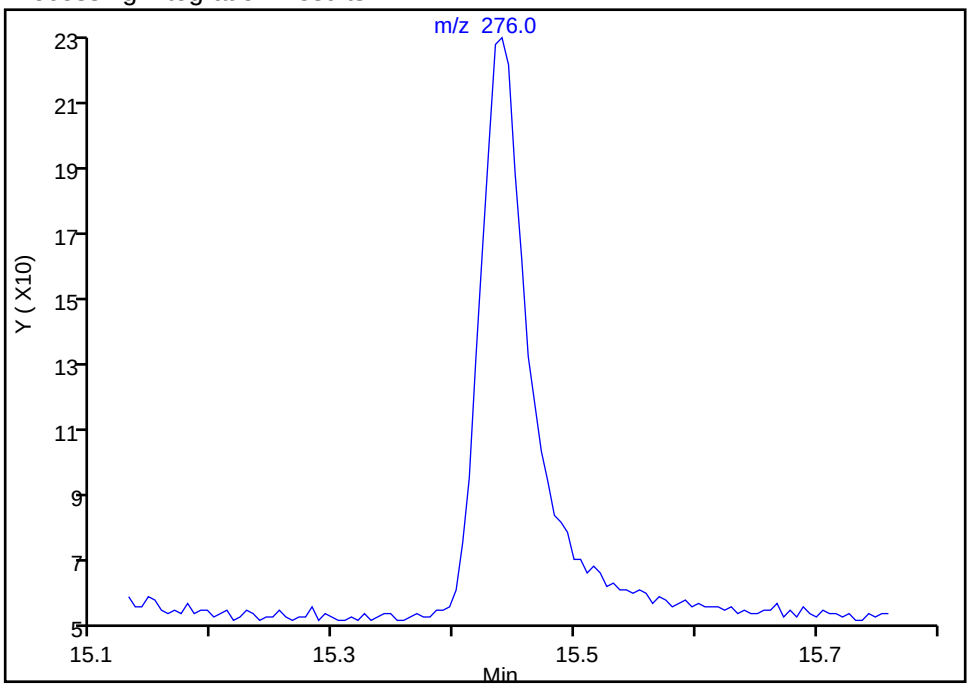
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b025.D				
Injection Date:	14-Jan-2022 04:45:30	Instrument ID:	TAC050		
Lims ID:	std2				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	15	Worklist Smp#:	15
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

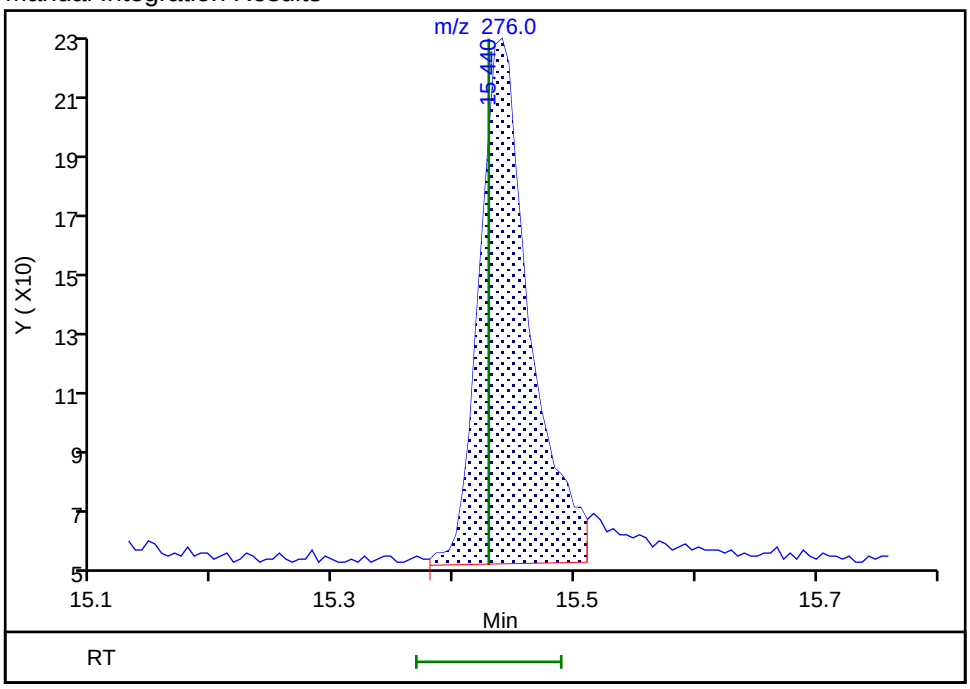
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.44
Area: 497
Amount: 2.072665
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:33:33
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Lims ID: std1
Client ID:
Sample Type: IC Calib Level: 1
Inject. Date: 14-Jan-2022 05:04:30 ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: 1
Operator ID: jcm Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:24 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:29:15

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	20735	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	69	9073	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	14232	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	49	10350	100.0	100.0	
* 5 Perylene-d12	264	13.079	13.074	0.005	69	12127	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.814	5.809	0.005	67	122	1.00	0.99	M
$ 10 2-Fluorobiphenyl	172	6.193	6.190	0.003	0	156	1.00	1.07	M
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.502	0.004	68	296	1.00	0.8391	M
$ 9 Terphenyl-d14	244	9.900	9.896	0.004	95	216	1.00	1.89	M
11 Naphthalene	128	5.189	5.189	0.000	88	256	1.00	1.17	M
12 2-Methylnaphthalene	141	5.841	5.841	0.000	97	122	1.00	0.9809	M
13 1-Methylnaphthalene	141	5.937	5.937	0.000	99	133	1.00	1.10	M
14 Acenaphthylene	152	6.717	6.717	0.000	100	199	1.00	1.04	M
15 Acenaphthene	153	6.885	6.884	0.001	82	125	1.00	1.04	M
16 Fluorene	166	7.394	7.389	0.005	99	148	1.00	1.10	M
18 Phenanthrene	178	8.342	8.342	0.000	35	355	1.00	0.8469	M
19 Anthracene	178	8.397	8.389	0.008	99	339	1.00	0.9684	M
20 Fluoranthene	202	9.526	9.522	0.004	55	360	1.00	0.8607	M
21 Pyrene	202	9.754	9.746	0.008	52	386	1.00	0.8357	M
22 Benzo[a]anthracene	228	11.017	11.012	0.005	24	316	1.00	0.8148	M
23 Chrysene	228	11.058	11.057	0.001	98	341	1.00	0.7148	M
30 Bis(2-ethylhexyl) phthalate	149	11.892	11.895	-0.003	0	301	1.00	1.02	M
24 Benzo[b]fluoranthene	252	12.475	12.470	0.005	98	286	1.00	0.99	M
25 Benzo[k]fluoranthene	252	12.521	12.511	0.010	92	313	1.00	0.9775	M
26 Benzo[a]pyrene	252	12.988	12.983	0.005	96	285	1.00	0.99	M
27 Indeno[1,2,3-cd]pyrene	276	14.957	14.935	0.022	96	194	1.00	1.68	M
28 Dibenz(a,h)anthracene	278	15.011	14.984	0.027	95	246	1.00	1.01	M
29 Benzo[g,h,i]perylene	276	15.440	15.429	0.011	91	281	1.00	0.9844	M

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

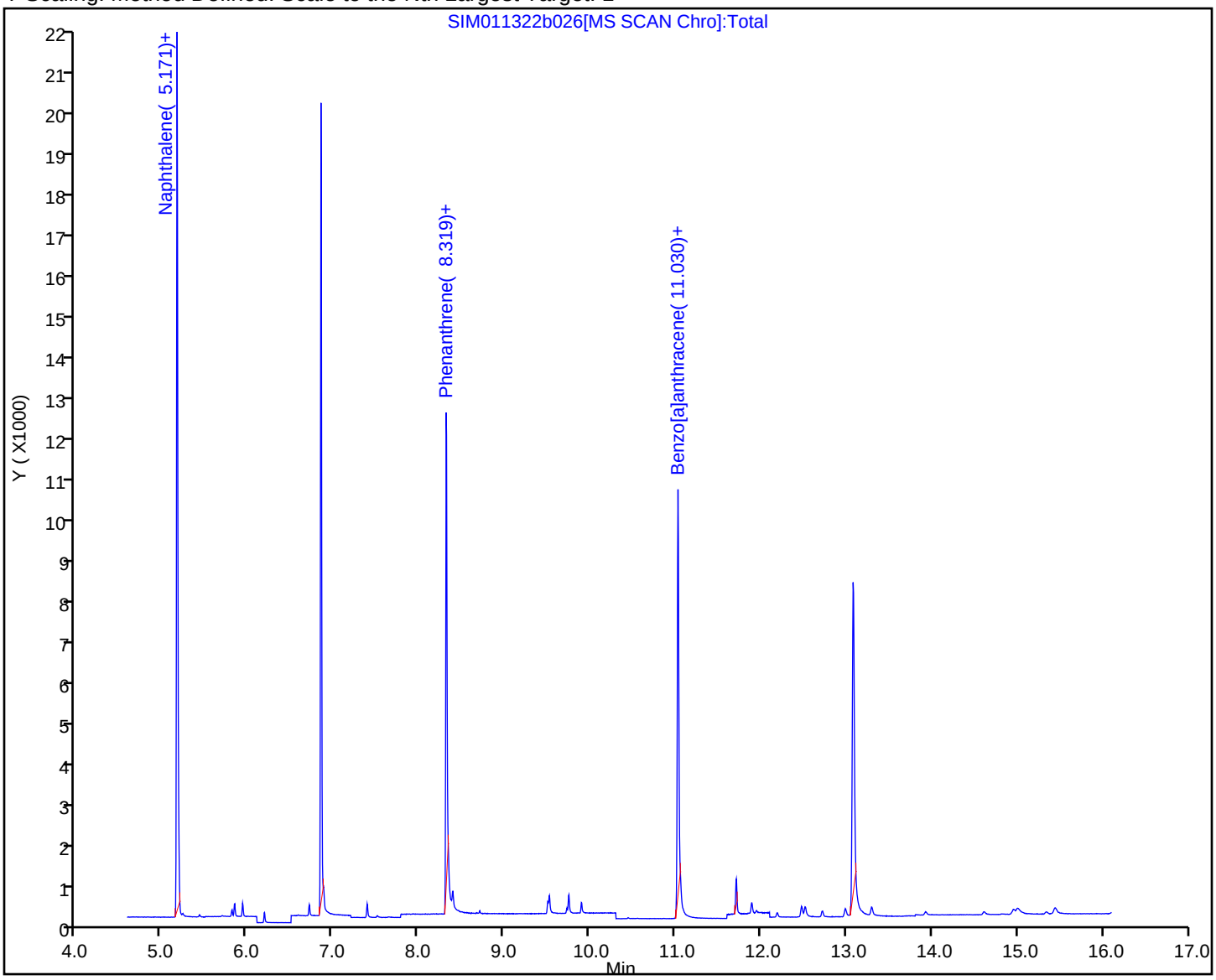
Reagents:

8270SIM_IS_00069	Amount Added:	9.80	Units: uL
8270ccvl_50_00039	Amount Added:	20.00	Units: uL

Report Date: 14-Jan-2022 15:42:25 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

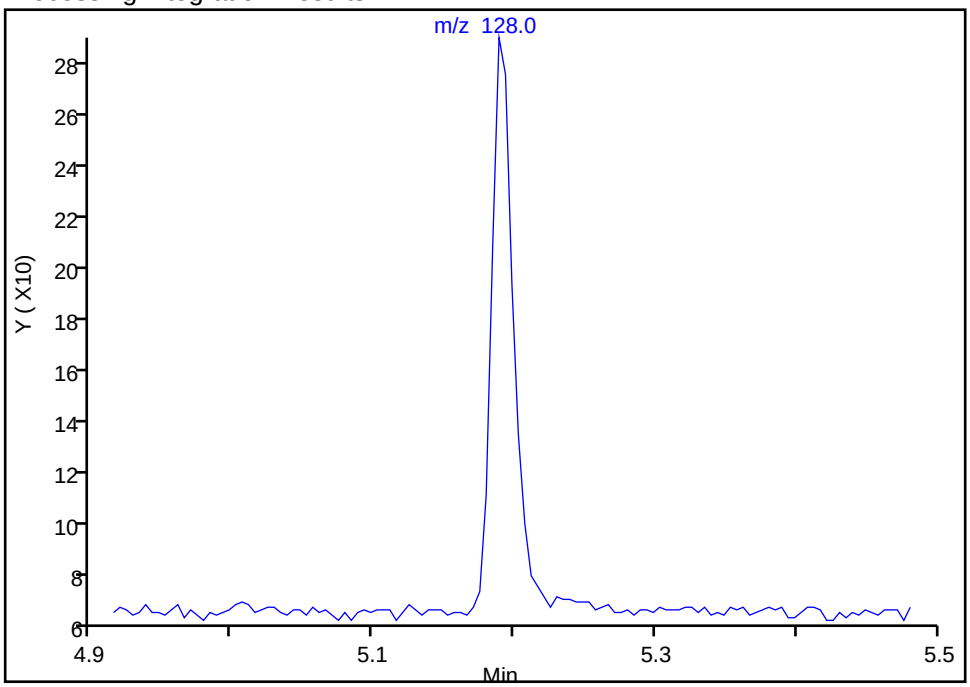
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

11 Naphthalene, CAS: 91-20-3

Signal: 1

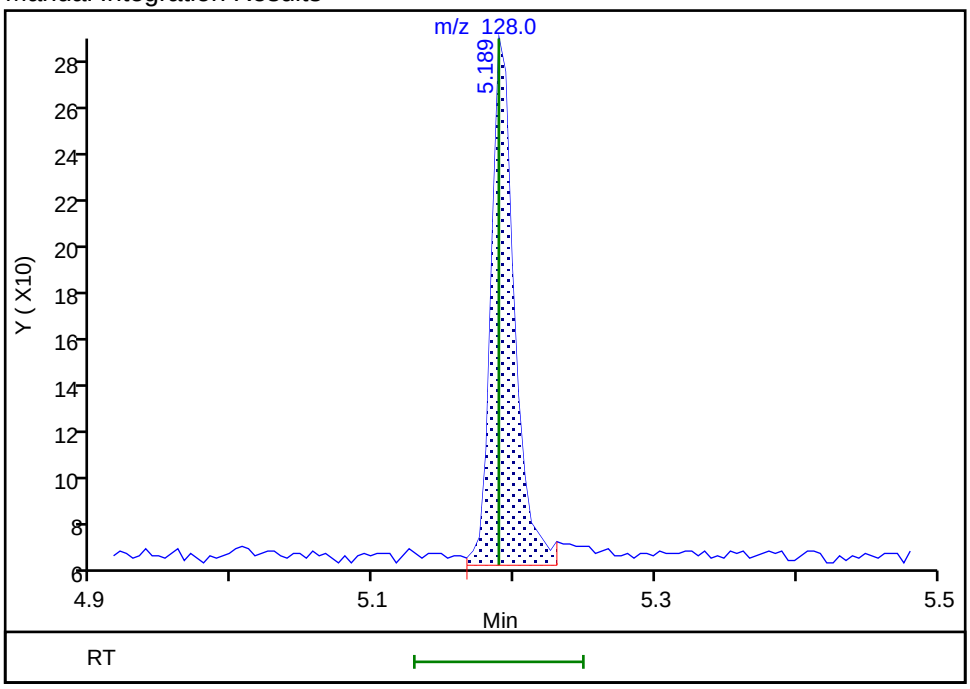
Not Detected
Expected RT: 5.19

Processing Integration Results



Manual Integration Results

RT: 5.19
Area: 256
Amount: 1.167329
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:18
Audit Action: Manually Integrated Audit Reason: Assign Peak

Eurofins Seattle

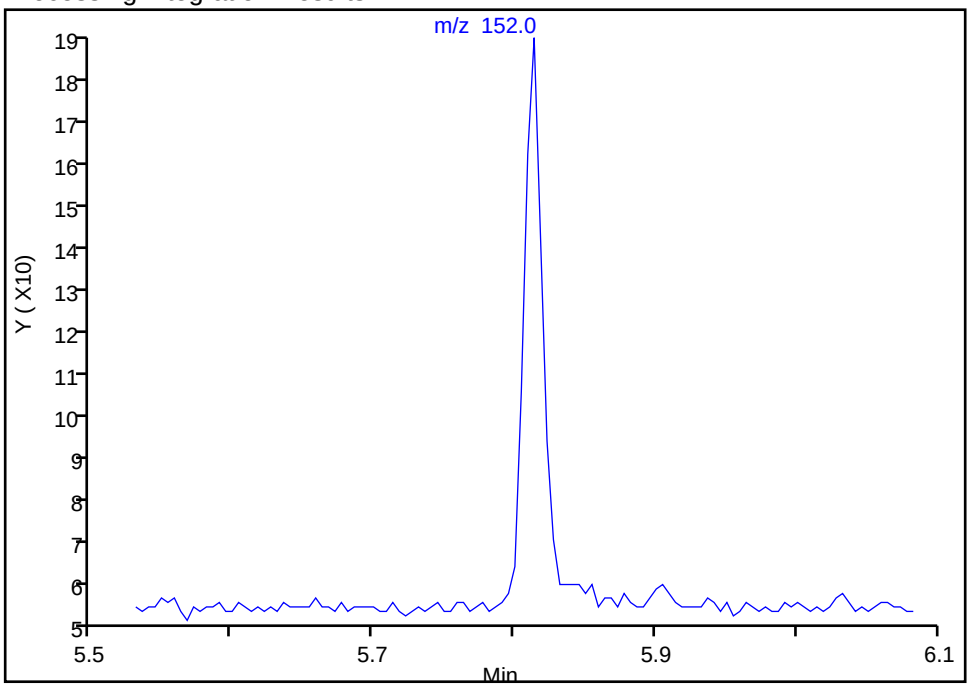
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 6 2-methylnaphthalene-d10, CAS: 7297-45-2

Signal: 1

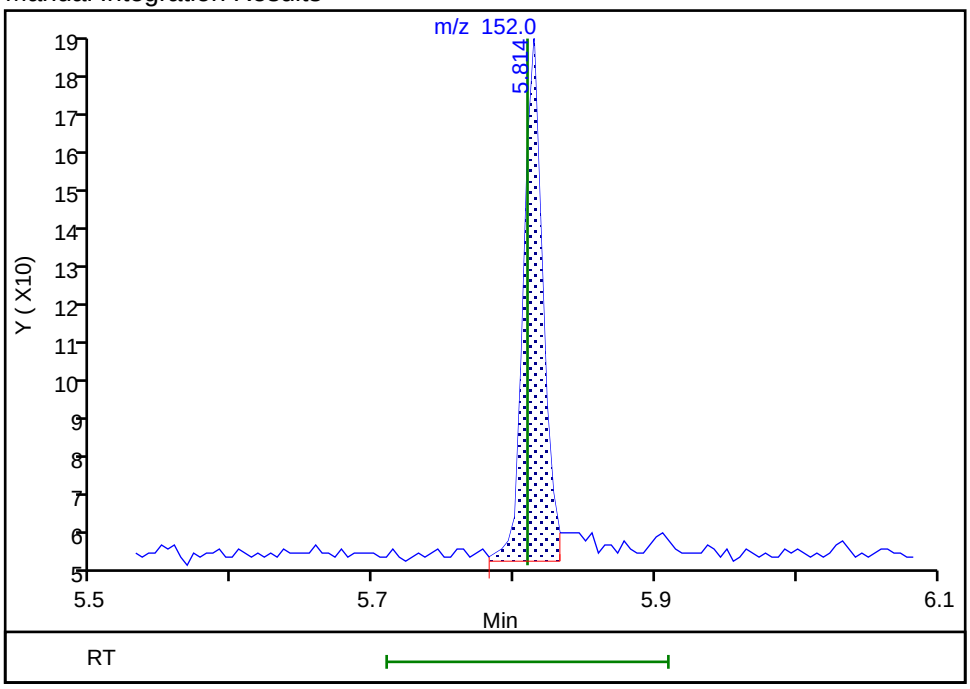
Not Detected
Expected RT: 5.81

Processing Integration Results



Manual Integration Results

RT: 5.81
Area: 122
Amount: 0.994559
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:36:49
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

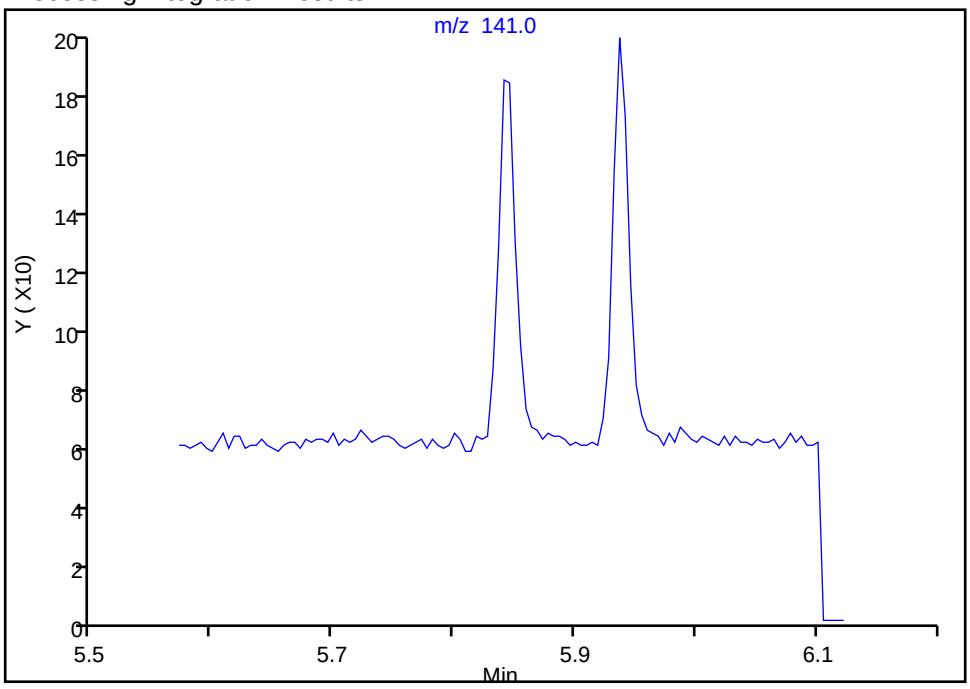
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

12 2-Methylnaphthalene, CAS: 91-57-6

Signal: 1

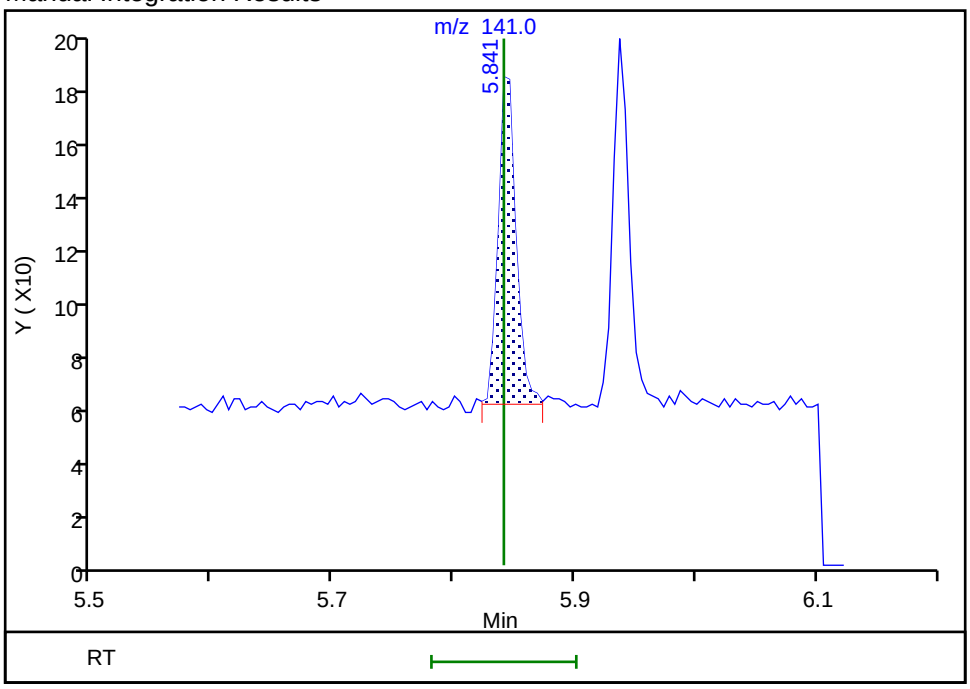
Not Detected
Expected RT: 5.84

Processing Integration Results



Manual Integration Results

RT: 5.84
Area: 122
Amount: 0.980912
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:24
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

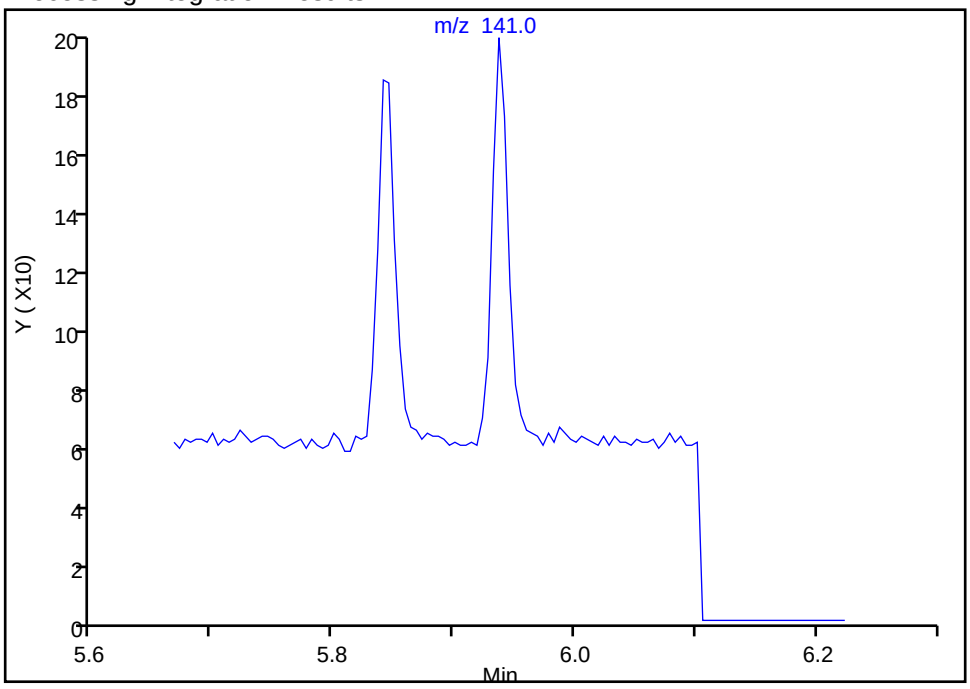
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

13 1-Methylnaphthalene, CAS: 90-12-0

Signal: 1

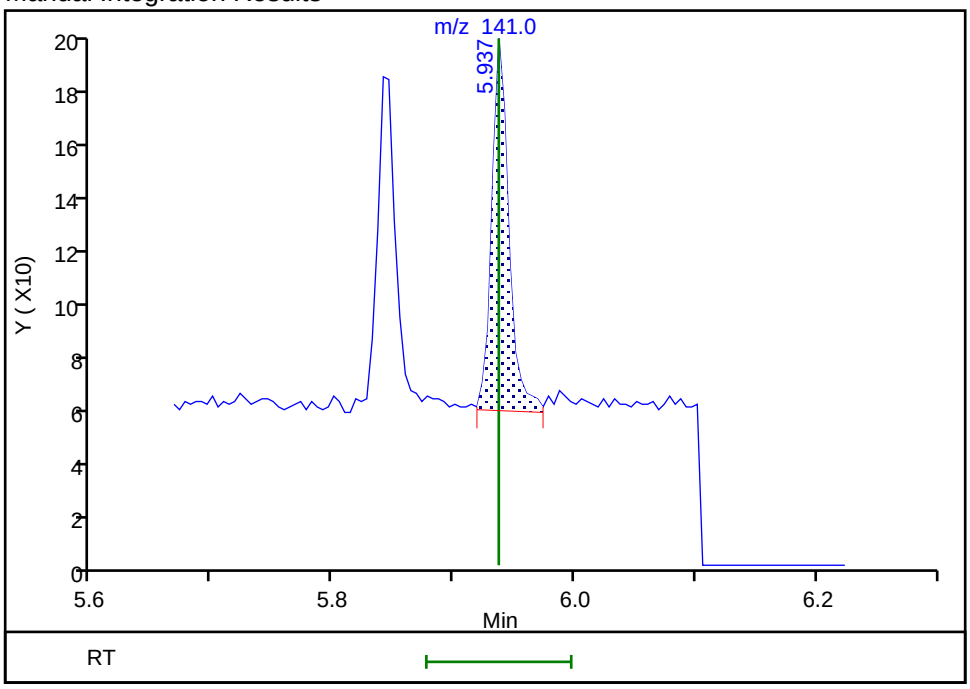
Not Detected
Expected RT: 5.94

Processing Integration Results



Manual Integration Results

RT: 5.94
Area: 133
Amount: 1.104006
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:30
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

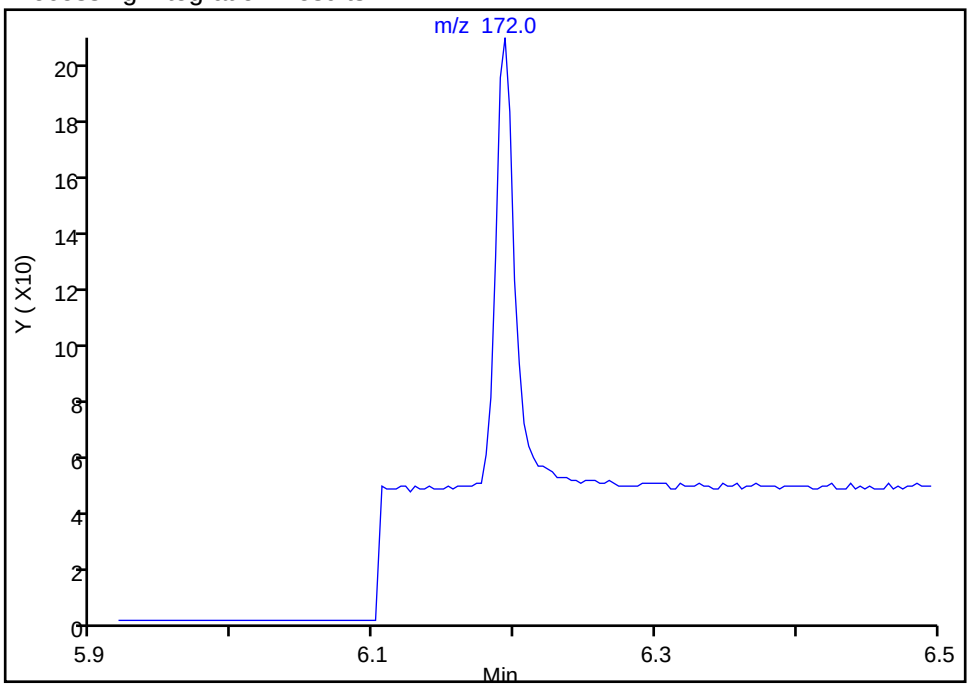
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

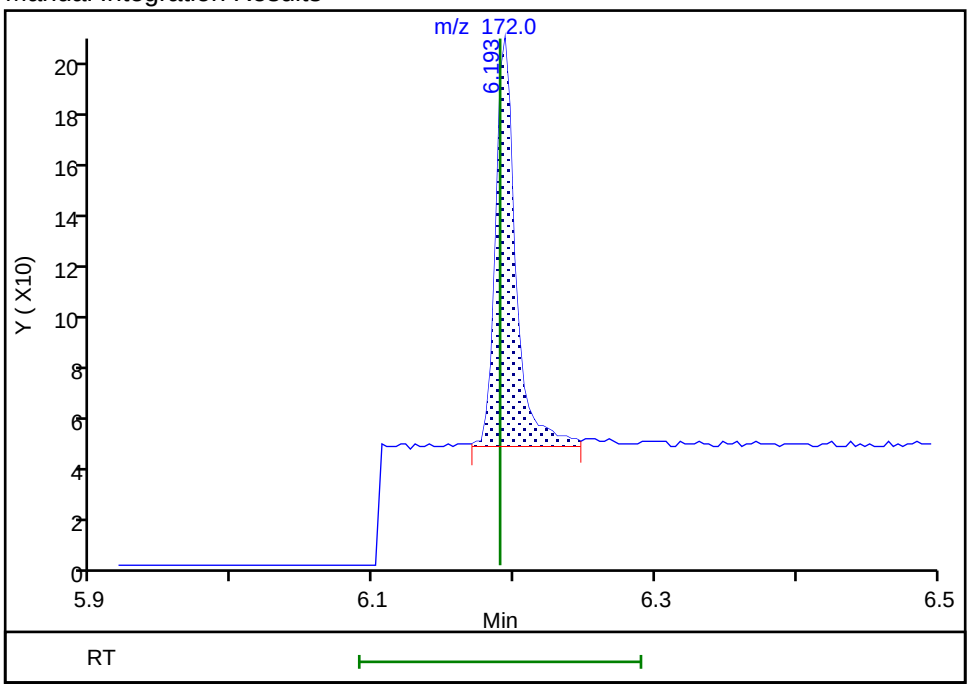
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 156
Amount: 1.074497
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:01
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

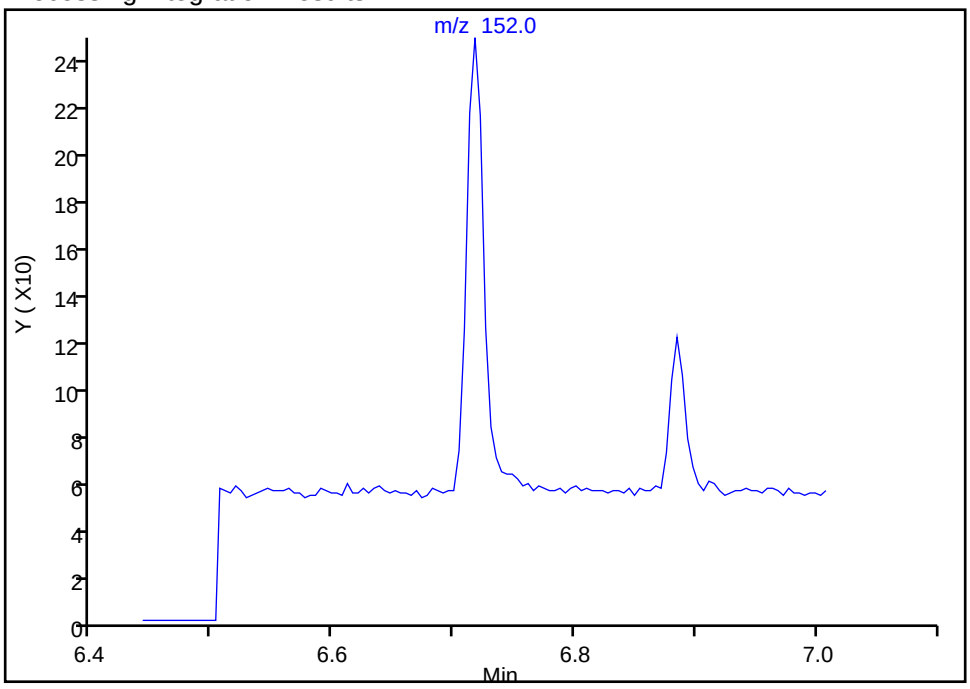
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

14 Acenaphthylene, CAS: 208-96-8

Signal: 1

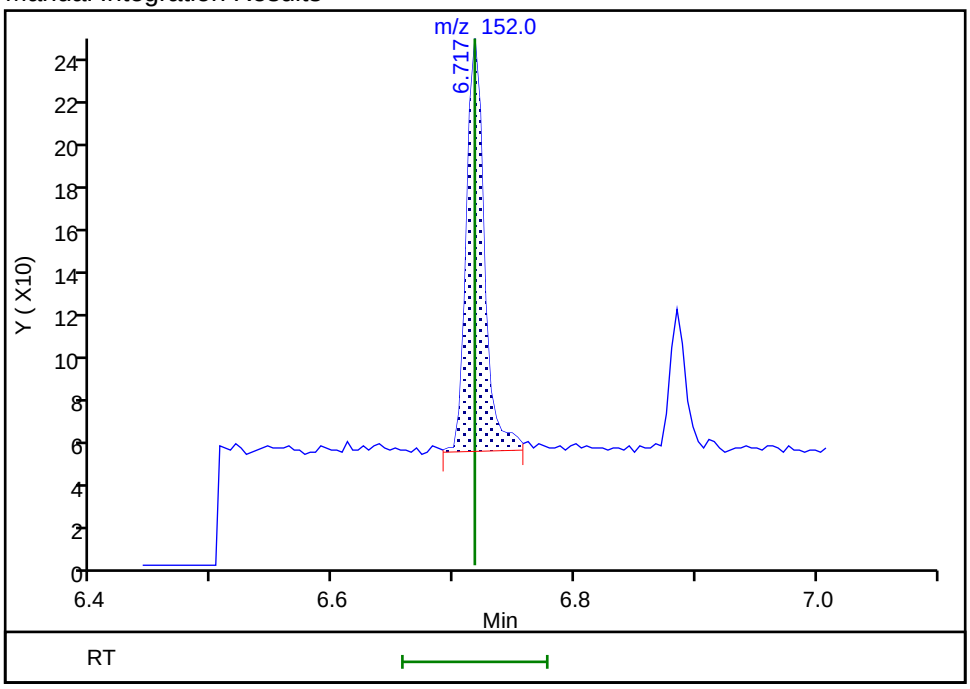
Not Detected
Expected RT: 6.72

Processing Integration Results



Manual Integration Results

RT: 6.72
Area: 199
Amount: 1.037454
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:37
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

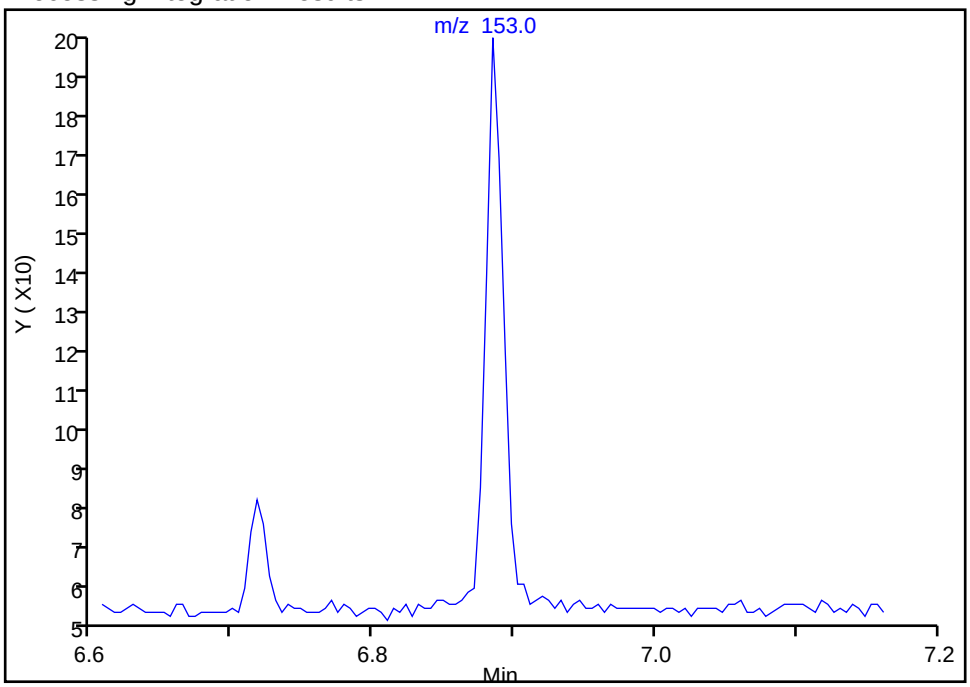
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

15 Acenaphthene, CAS: 83-32-9

Signal: 1

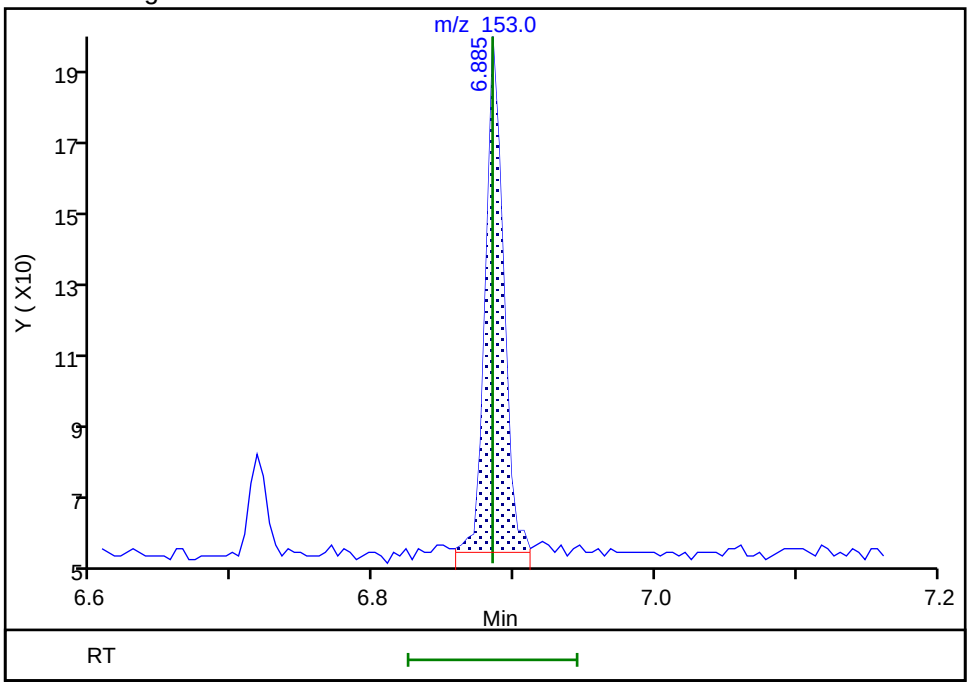
Not Detected
Expected RT: 6.88

Processing Integration Results



Manual Integration Results

RT: 6.88
Area: 125
Amount: 1.038427
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:44
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

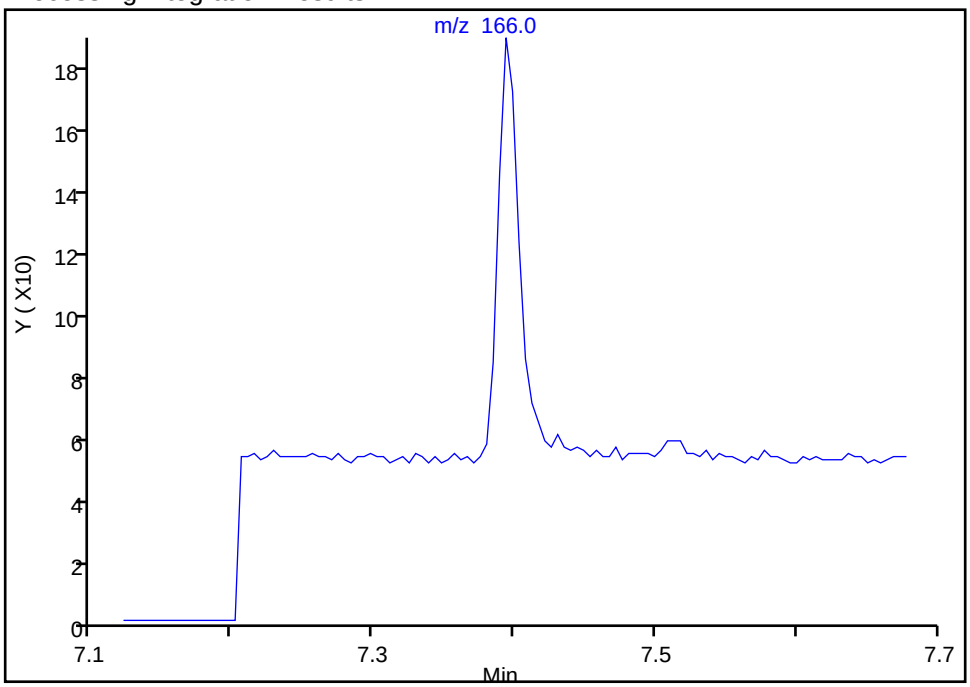
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

16 Fluorene, CAS: 86-73-7

Signal: 1

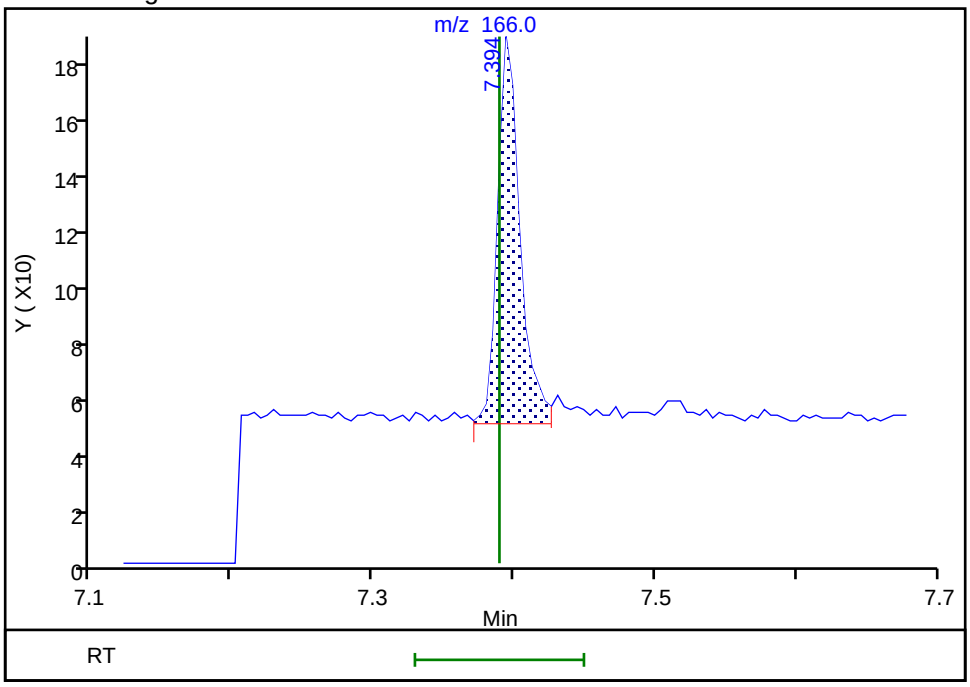
Not Detected
Expected RT: 7.39

Processing Integration Results



Manual Integration Results

RT: 7.39
Area: 148
Amount: 1.102831
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:57
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

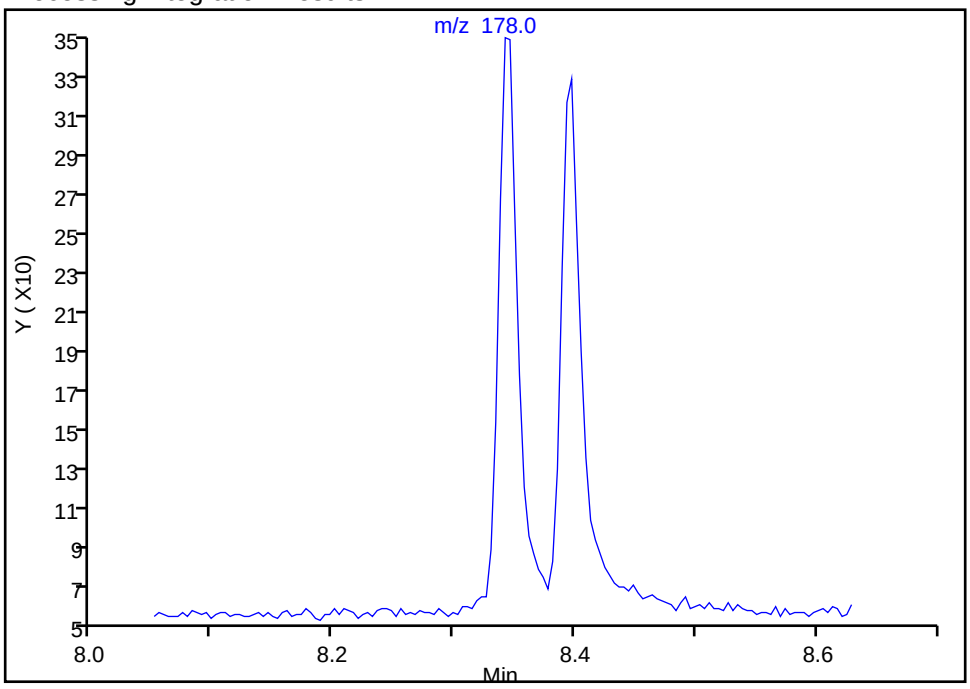
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

18 Phenanthrene, CAS: 85-01-8

Signal: 1

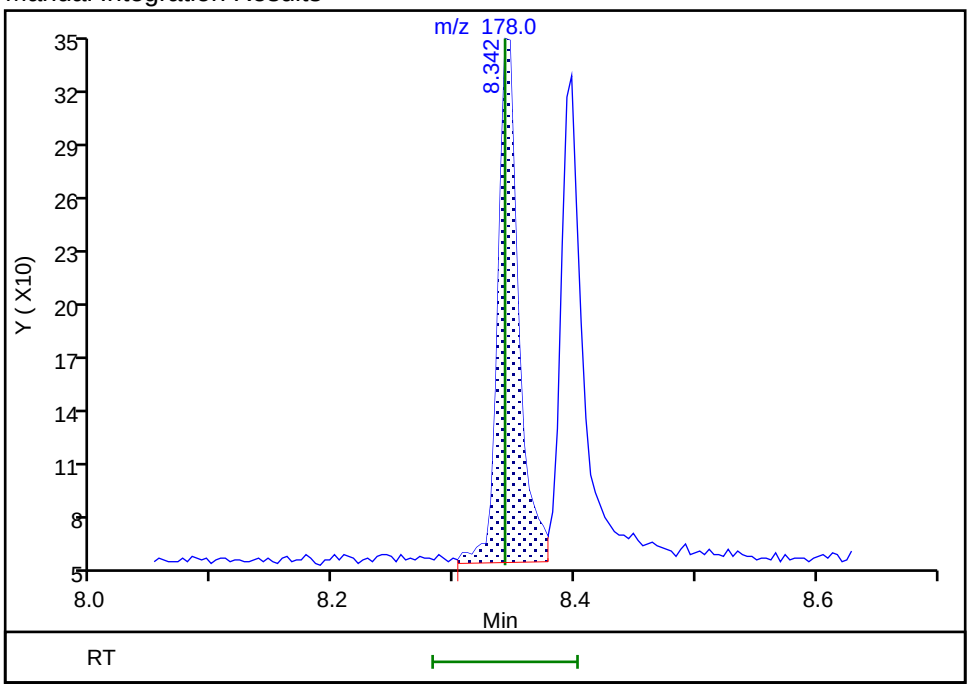
Not Detected
Expected RT: 8.34

Processing Integration Results



Manual Integration Results

RT: 8.34
Area: 355
Amount: 0.846866
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:05
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

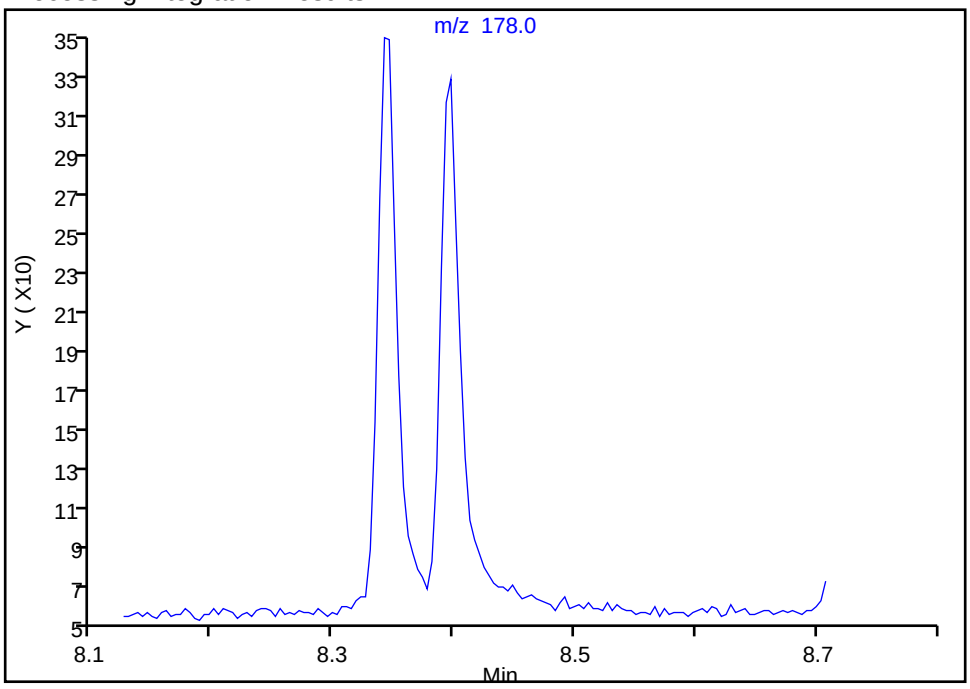
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

19 Anthracene, CAS: 120-12-7

Signal: 1

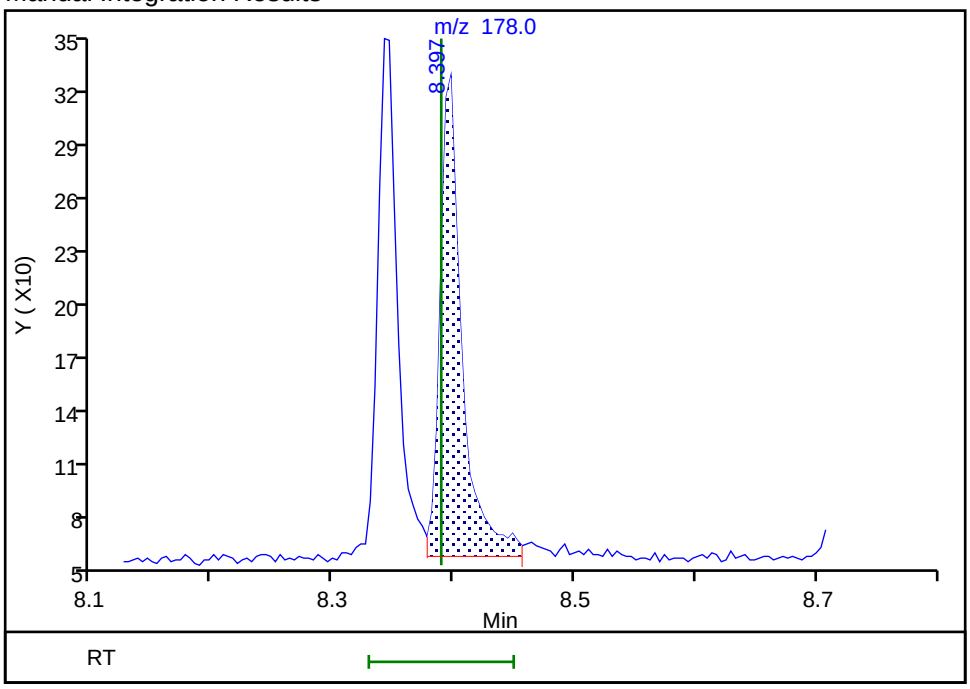
Not Detected
Expected RT: 8.39

Processing Integration Results



Manual Integration Results

RT: 8.40
Area: 339
Amount: 0.968377
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:09
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

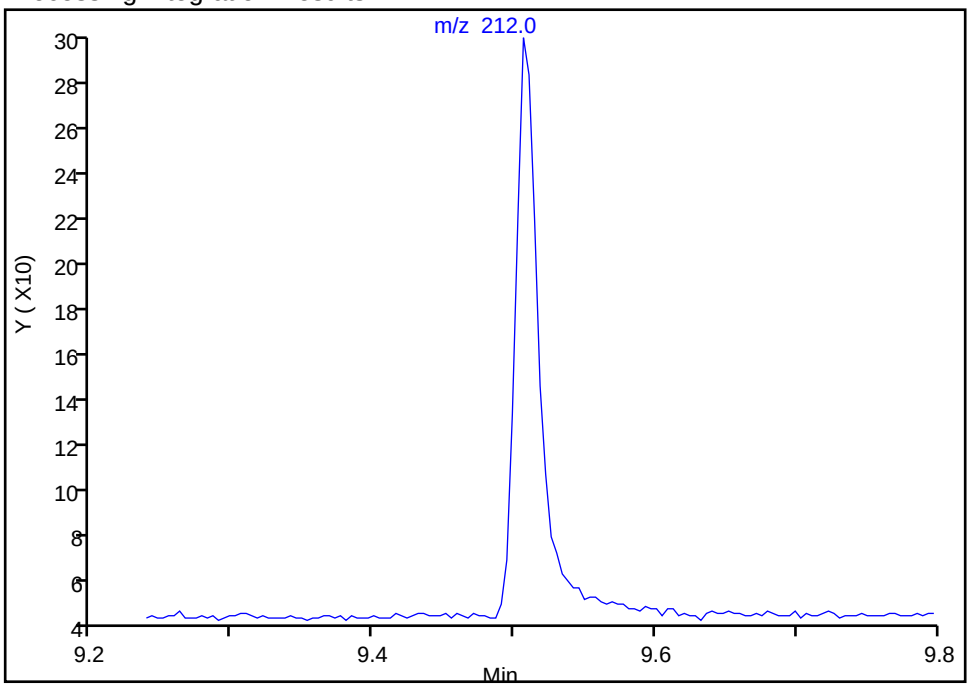
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 8 Fluoranthene-d10 (Surr), CAS: 93951-69-0

Signal: 1

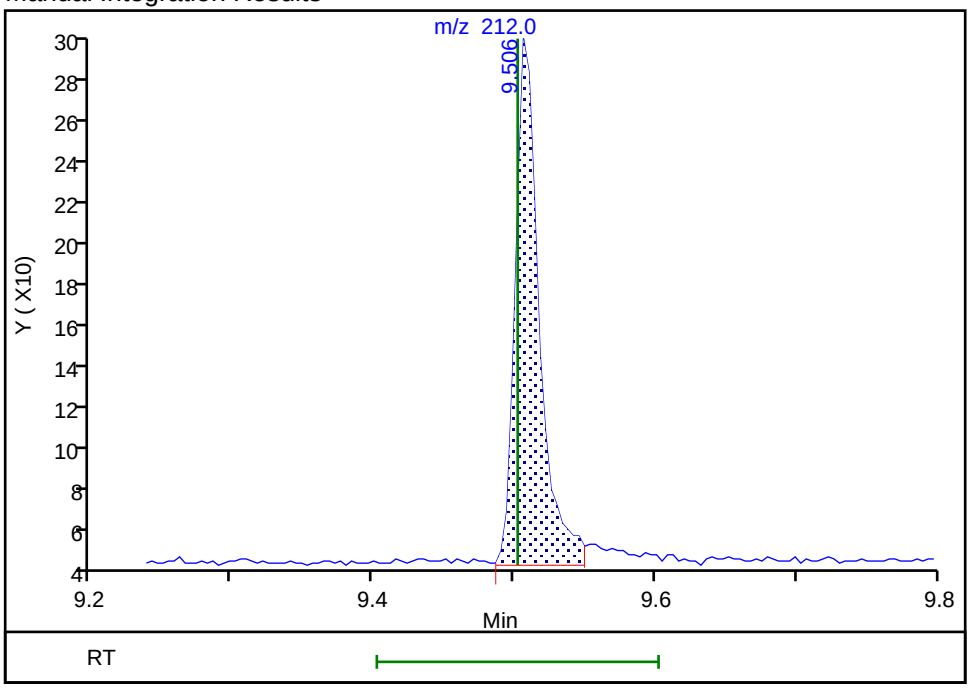
Not Detected
Expected RT: 9.50

Processing Integration Results



Manual Integration Results

RT: 9.51
Area: 296
Amount: 0.839144
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:09
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

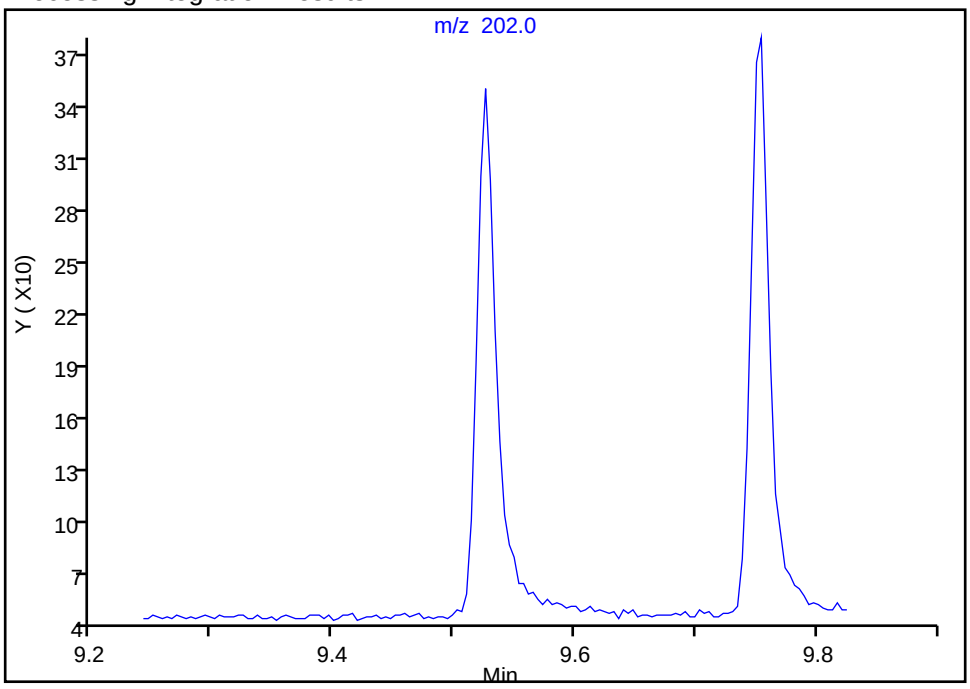
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

20 Fluoranthene, CAS: 206-44-0

Signal: 1

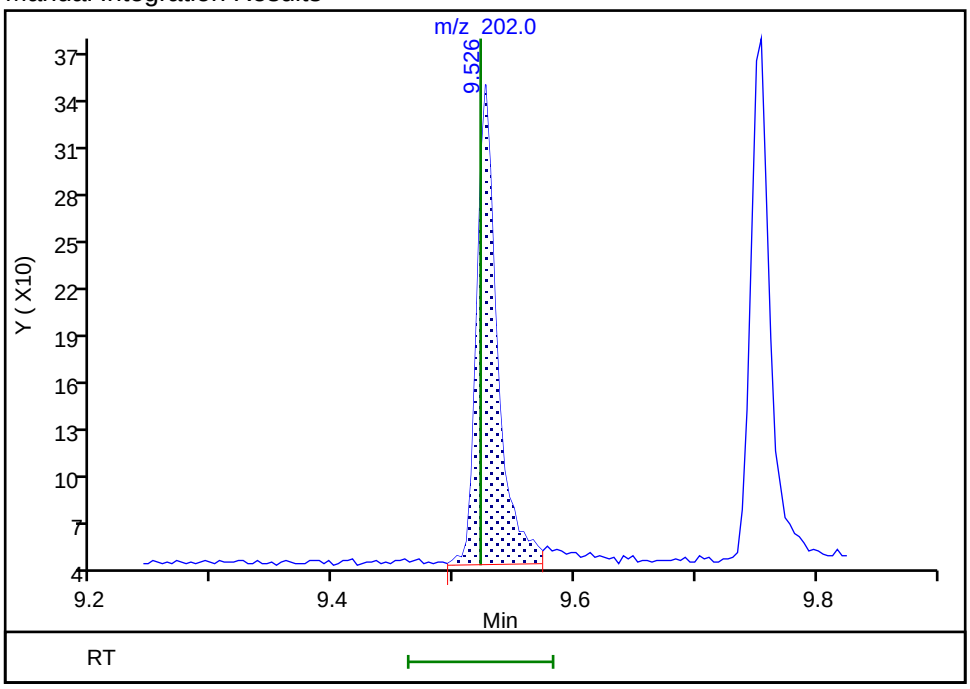
Not Detected
Expected RT: 9.52

Processing Integration Results



Manual Integration Results

RT: 9.53
Area: 360
Amount: 0.860666
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:15
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

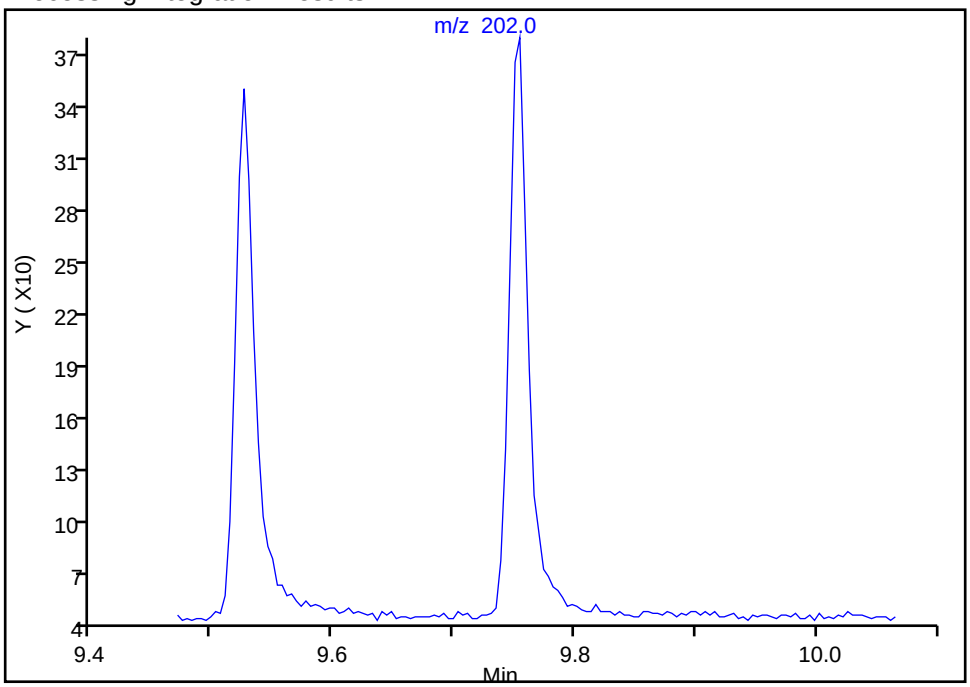
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

21 Pyrene, CAS: 129-00-0

Signal: 1

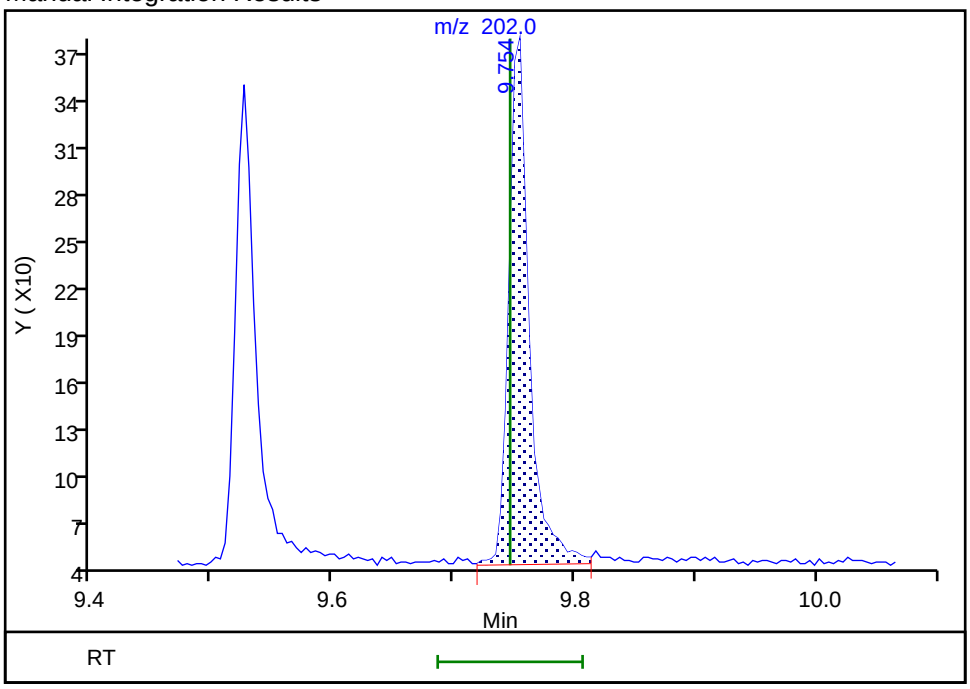
Not Detected
Expected RT: 9.75

Processing Integration Results



Manual Integration Results

RT: 9.75
Area: 386
Amount: 0.835702
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:23
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

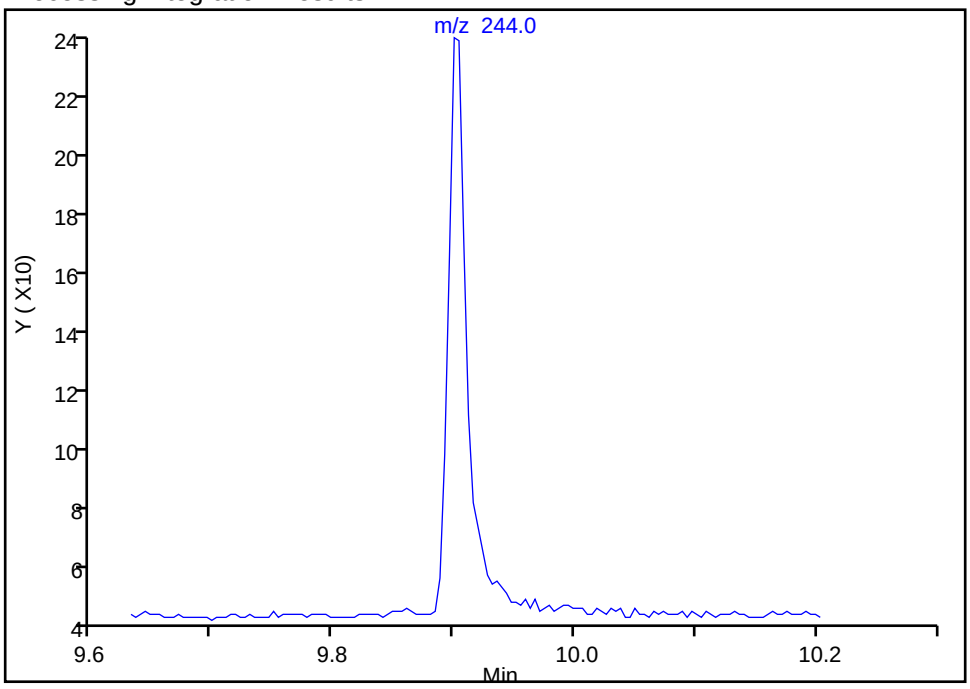
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

$ 9 Terphenyl-d14, CAS: 1718-51-0

Signal: 1

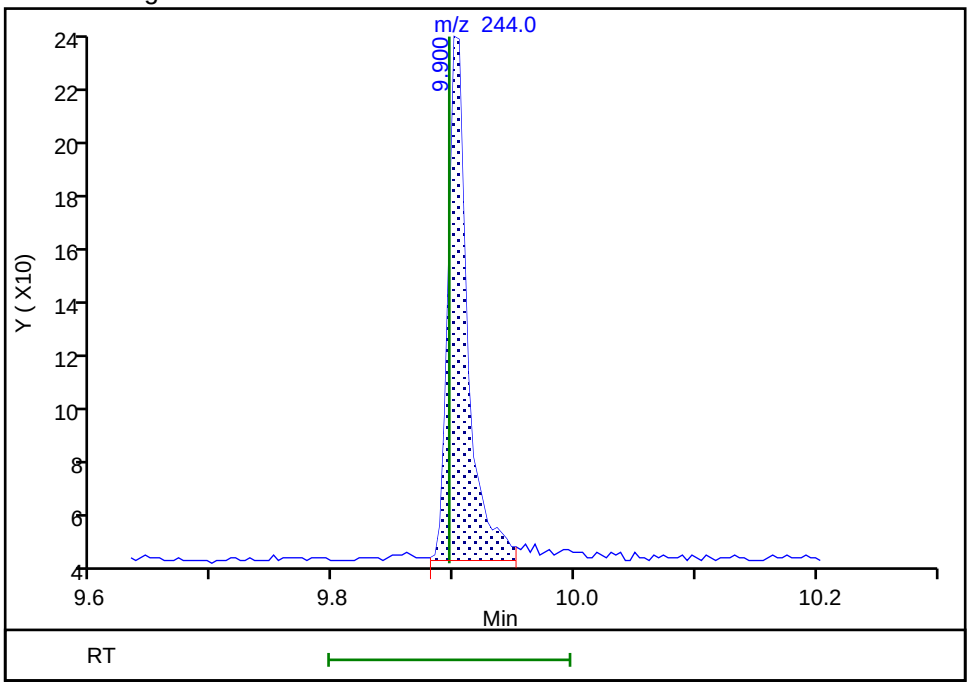
Not Detected
Expected RT: 9.90

Processing Integration Results



Manual Integration Results

RT: 9.90
Area: 216
Amount: 1.893703
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:37:13
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

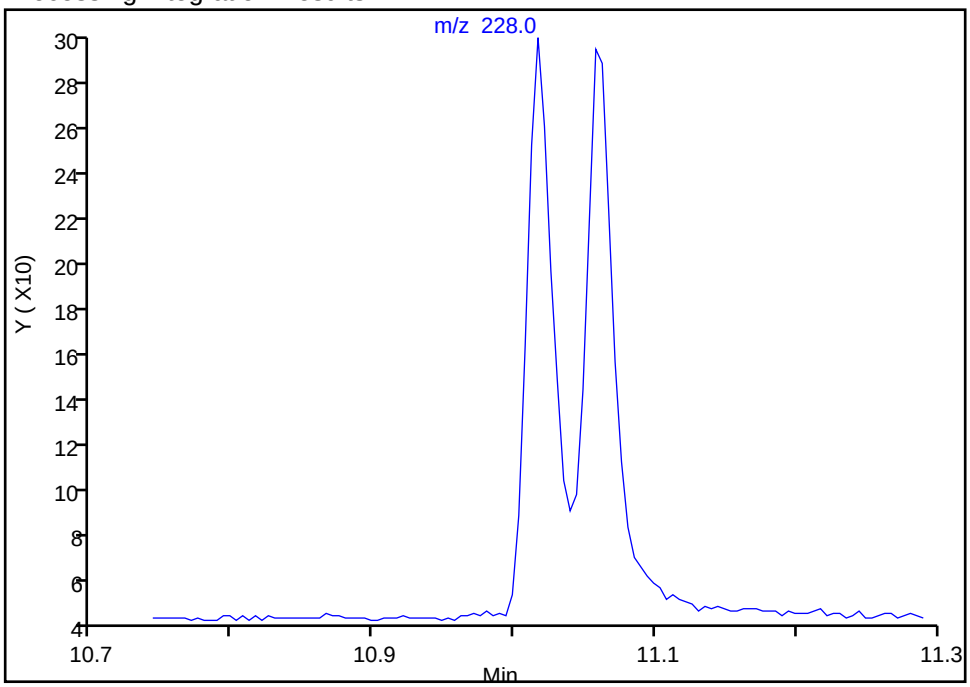
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

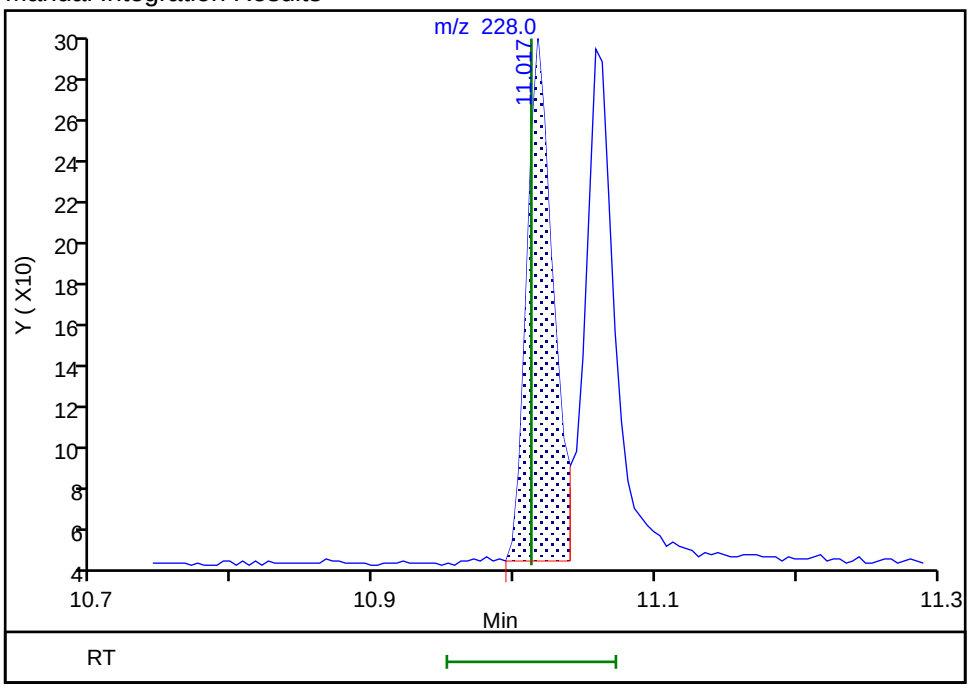
Not Detected
Expected RT: 11.01

Processing Integration Results



Manual Integration Results

RT: 11.02
Area: 316
Amount: 0.814772
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:31
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

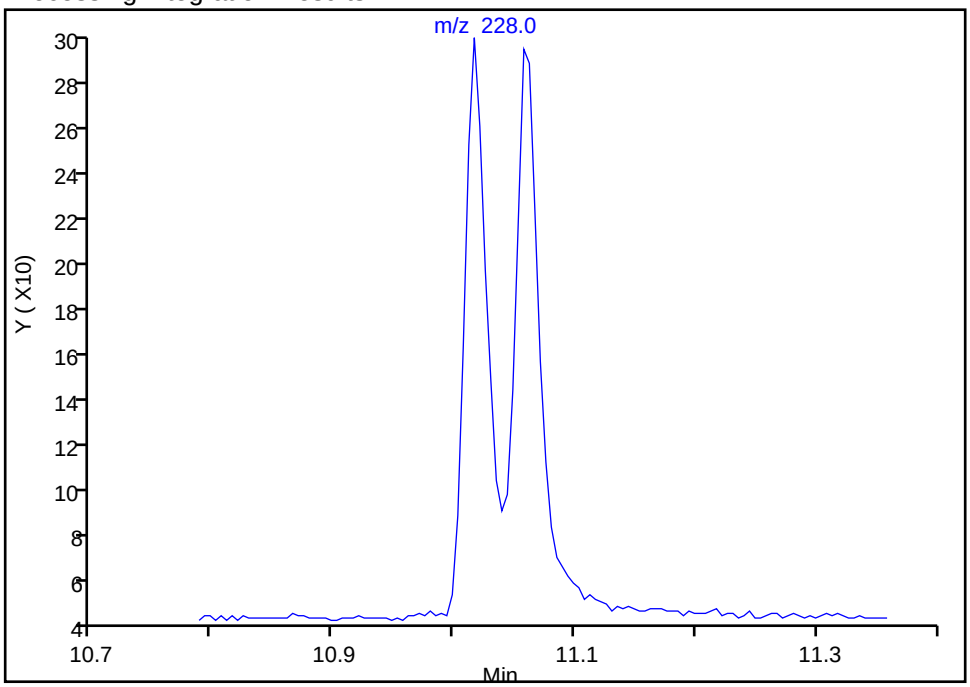
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D
Injection Date: 14-Jan-2022 05:04:30 Instrument ID: TAC050
Lims ID: std1
Client ID:
Operator ID: jcm ALS Bottle#: 16 Worklist Smp#: 16
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

23 Chrysene, CAS: 218-01-9

Signal: 1

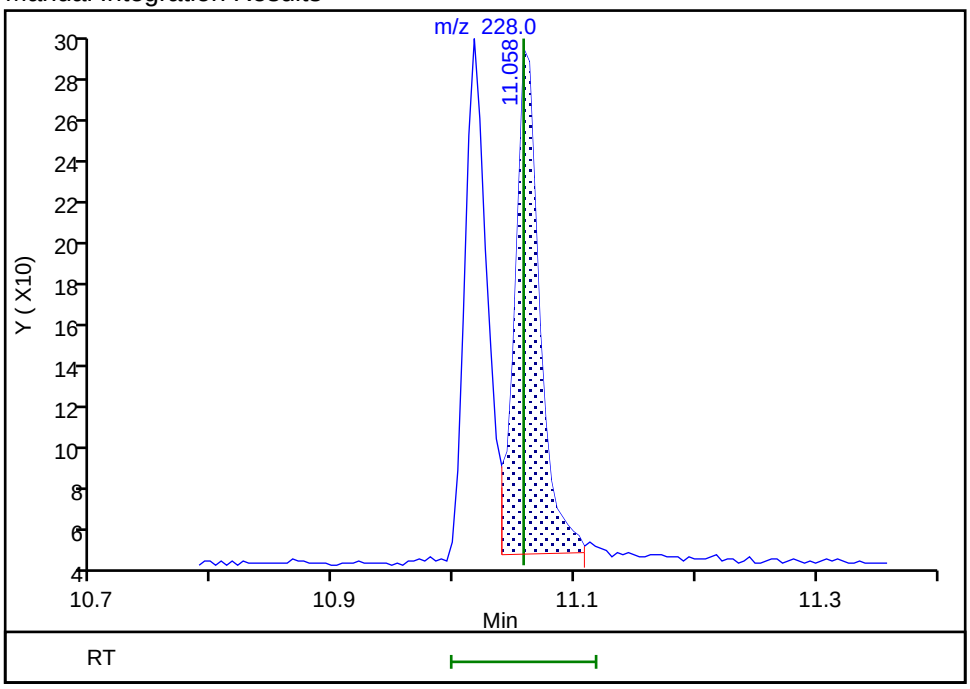
Not Detected
Expected RT: 11.06

Processing Integration Results



Manual Integration Results

RT: 11.06
Area: 341
Amount: 0.714780
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:38
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

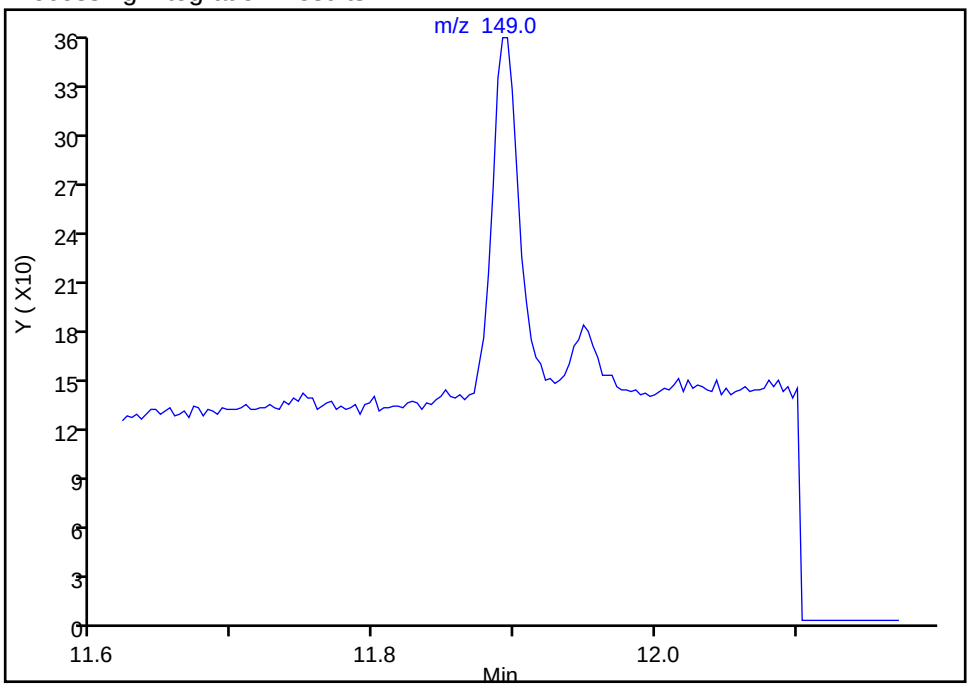
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

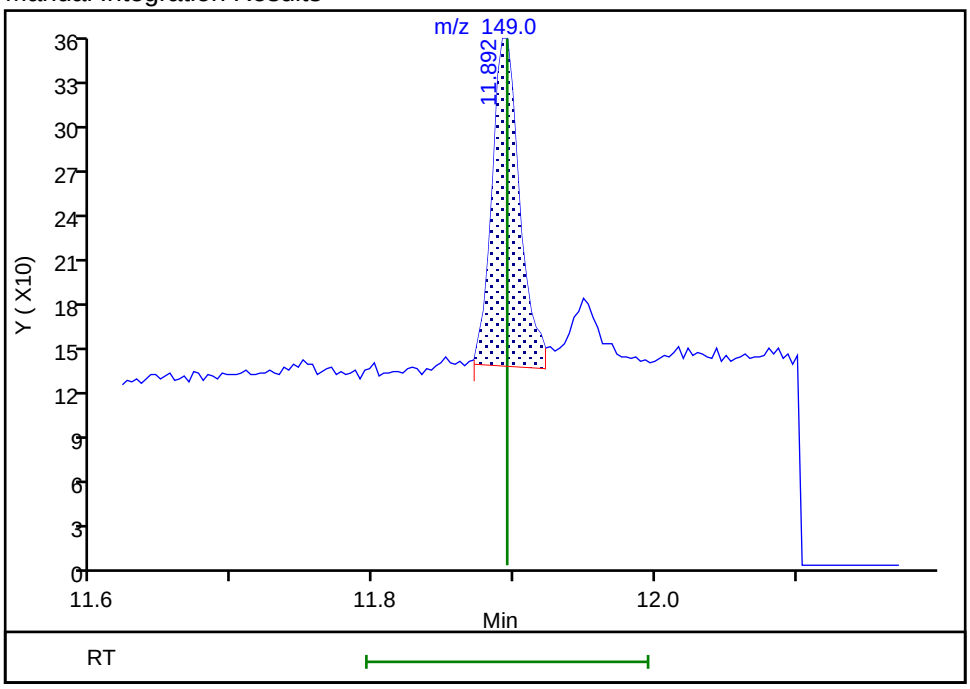
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 301
Amount: 1.019203
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:44
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

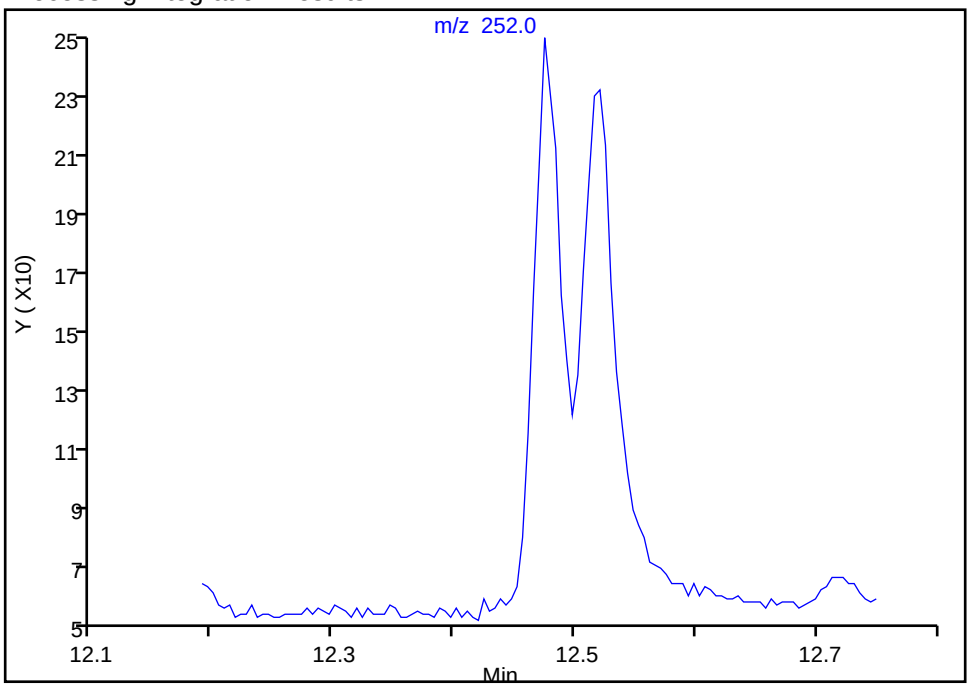
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

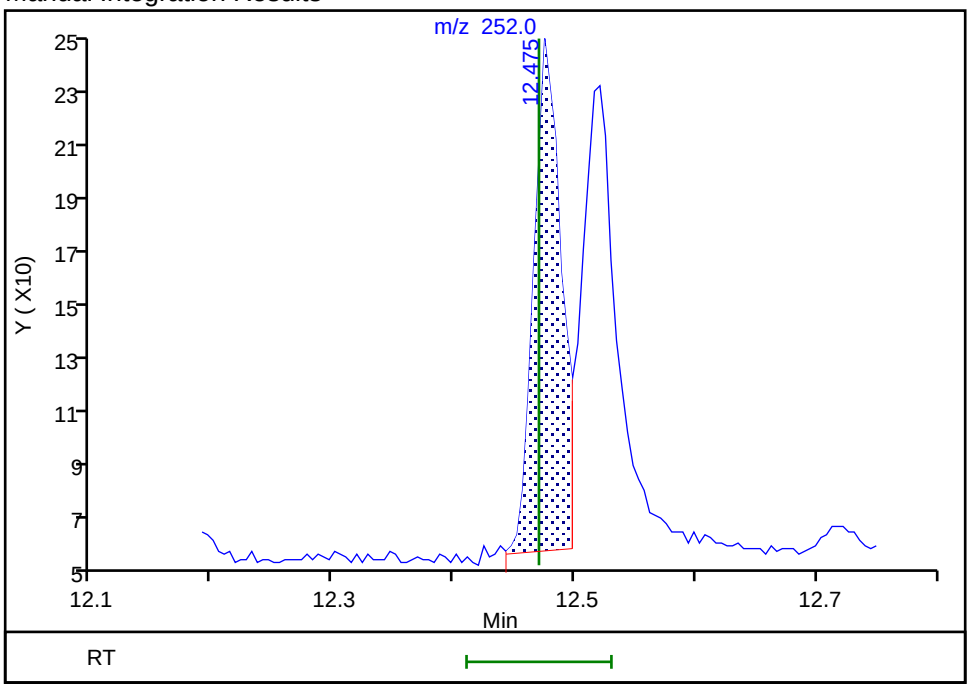
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 286
Amount: 0.994627
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:50
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

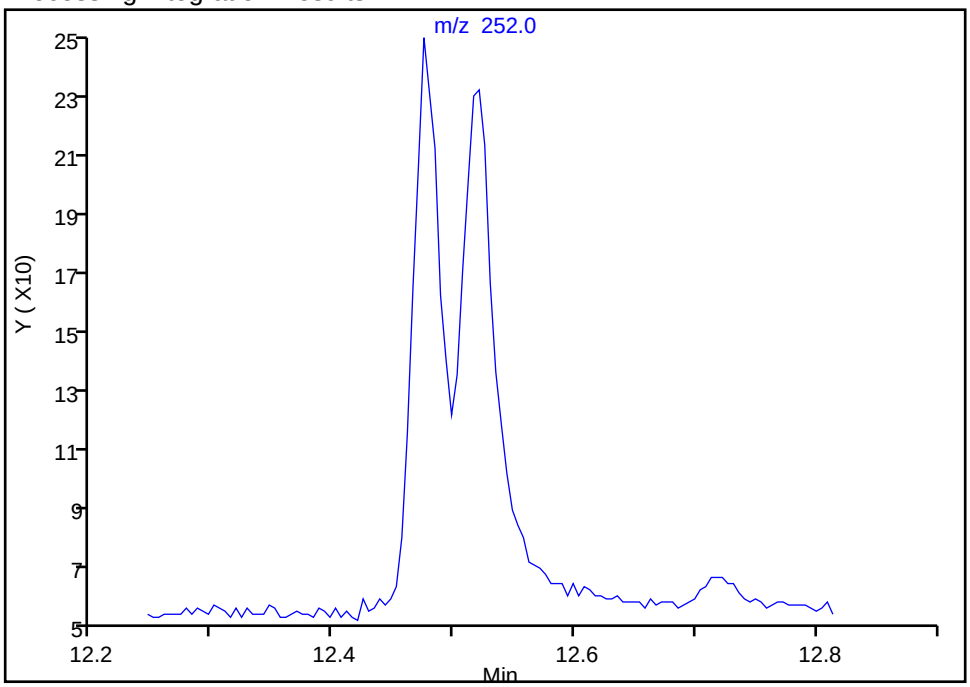
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

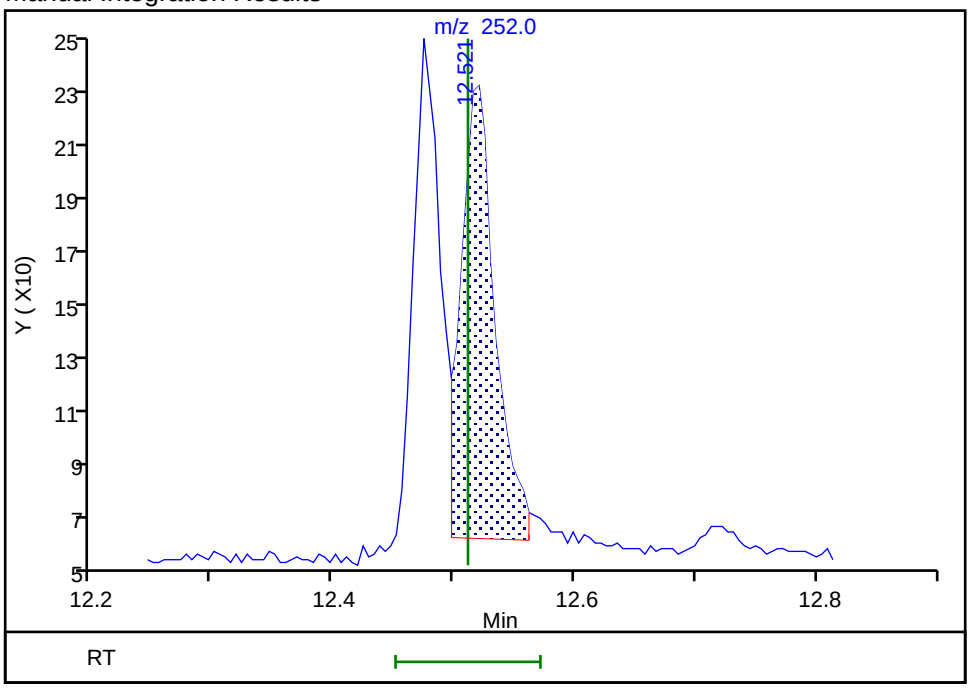
Not Detected
Expected RT: 12.51

Processing Integration Results



Manual Integration Results

RT: 12.52
Area: 313
Amount: 0.977507
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:38:55
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

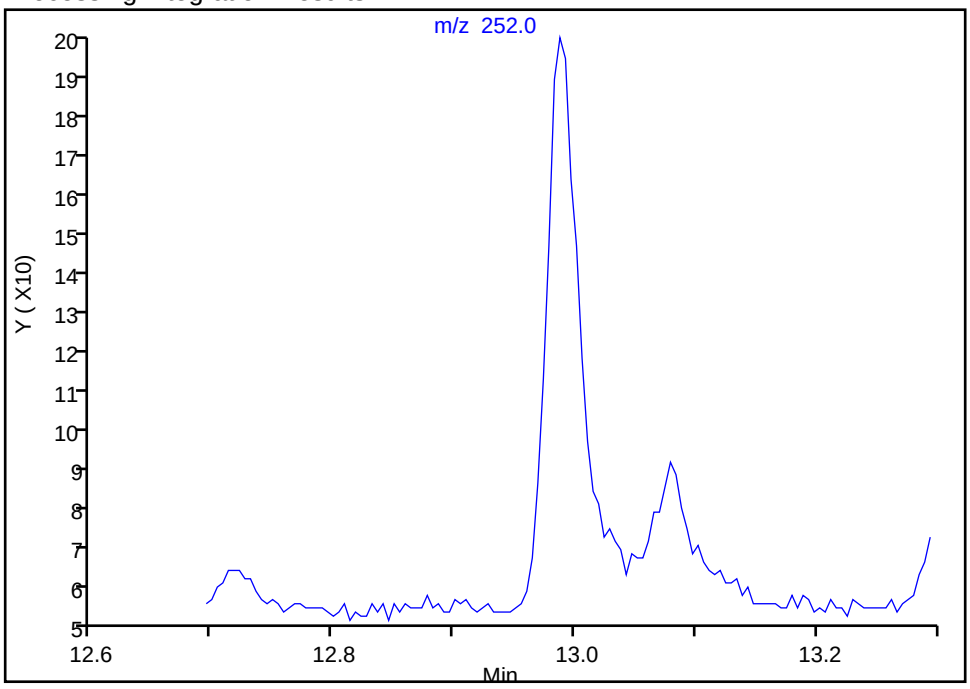
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

26 Benzo[a]pyrene, CAS: 50-32-8

Signal: 1

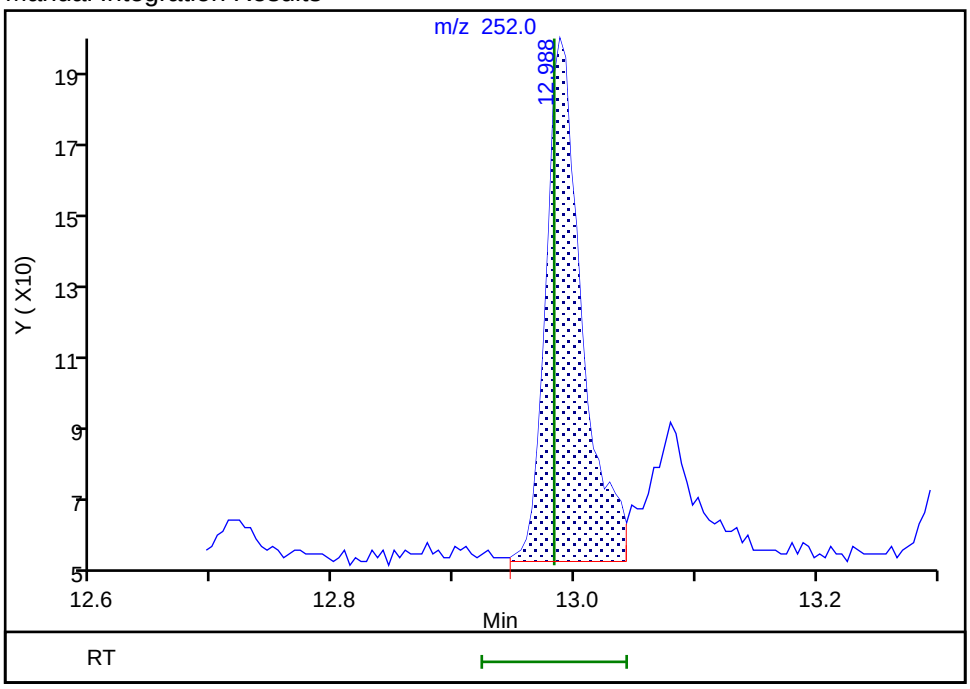
Not Detected
Expected RT: 12.98

Processing Integration Results



Manual Integration Results

RT: 12.99
Area: 285
Amount: 0.990717
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:39:04
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

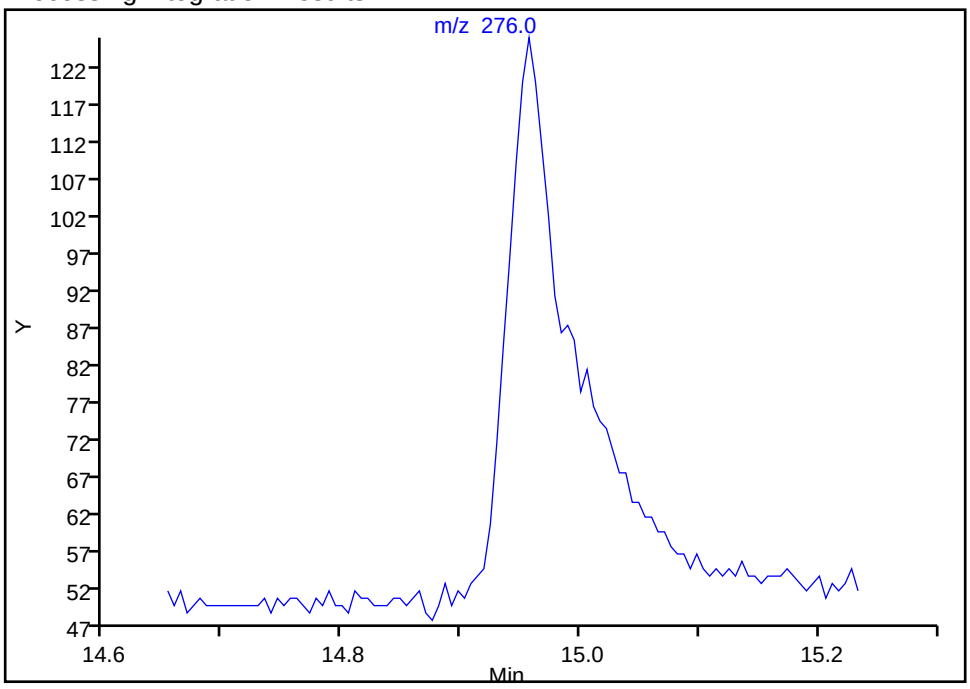
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

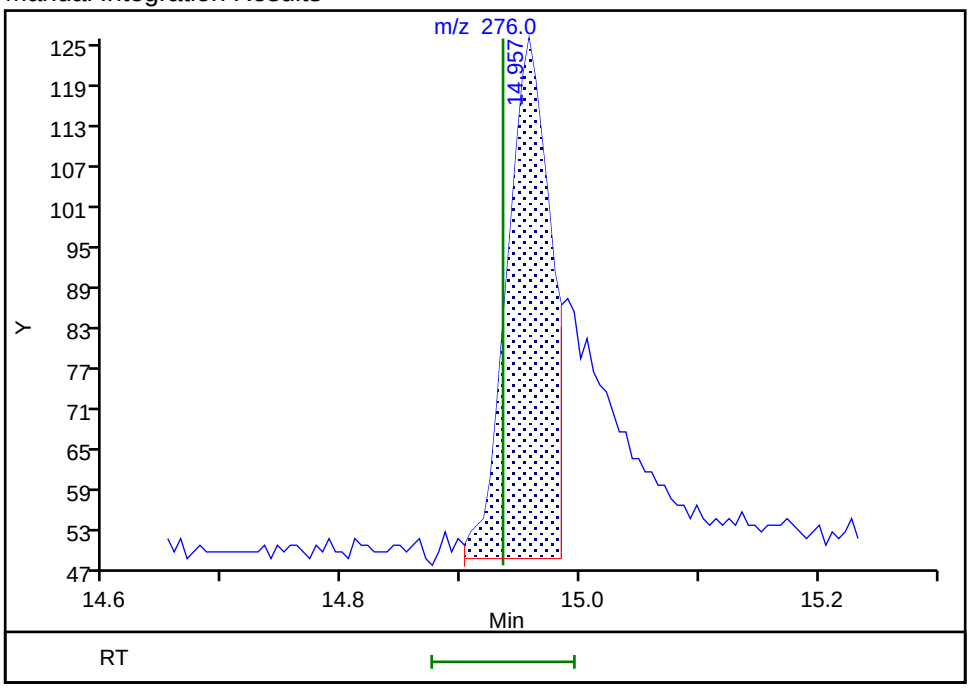
Not Detected
Expected RT: 14.93

Processing Integration Results



Manual Integration Results

RT: 14.96
Area: 194
Amount: 1.678006
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:39:14
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

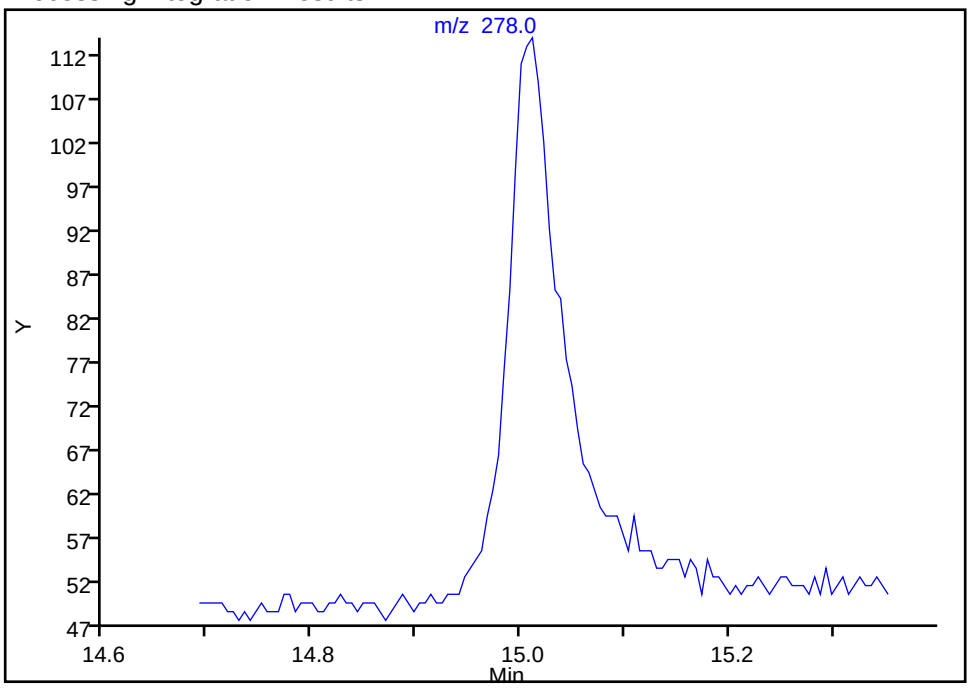
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

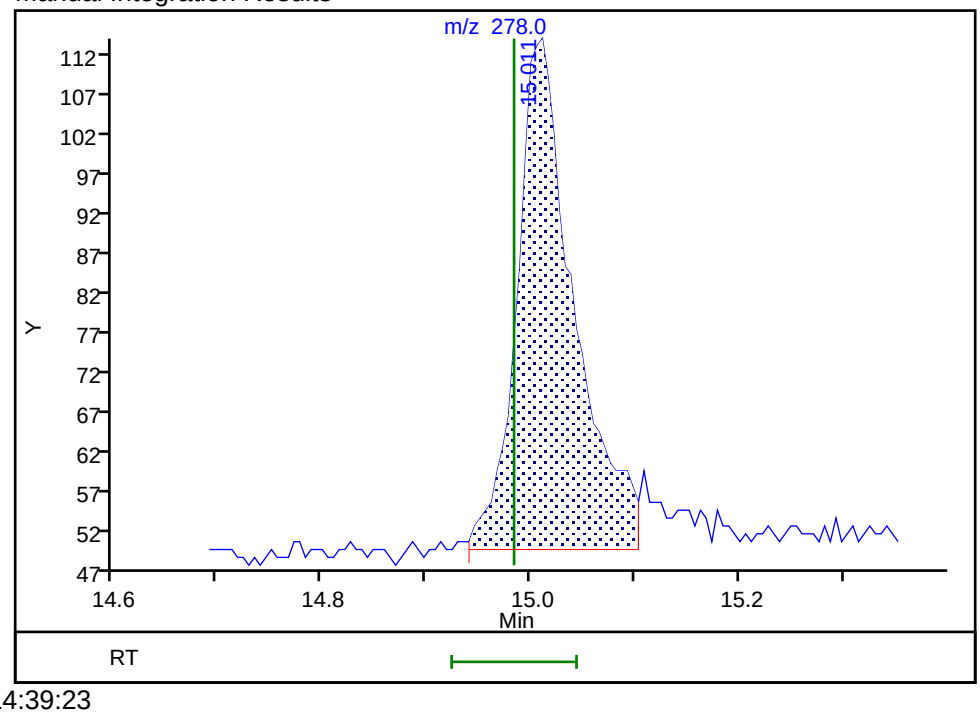
Not Detected
Expected RT: 14.98

Processing Integration Results



Manual Integration Results

RT: 15.01
Area: 246
Amount: 1.010912
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:39:23
Audit Action: Manually Integrated Audit Reason: Assign Peak

Manual Integration/User Assign Peak Report

Eurofins Seattle

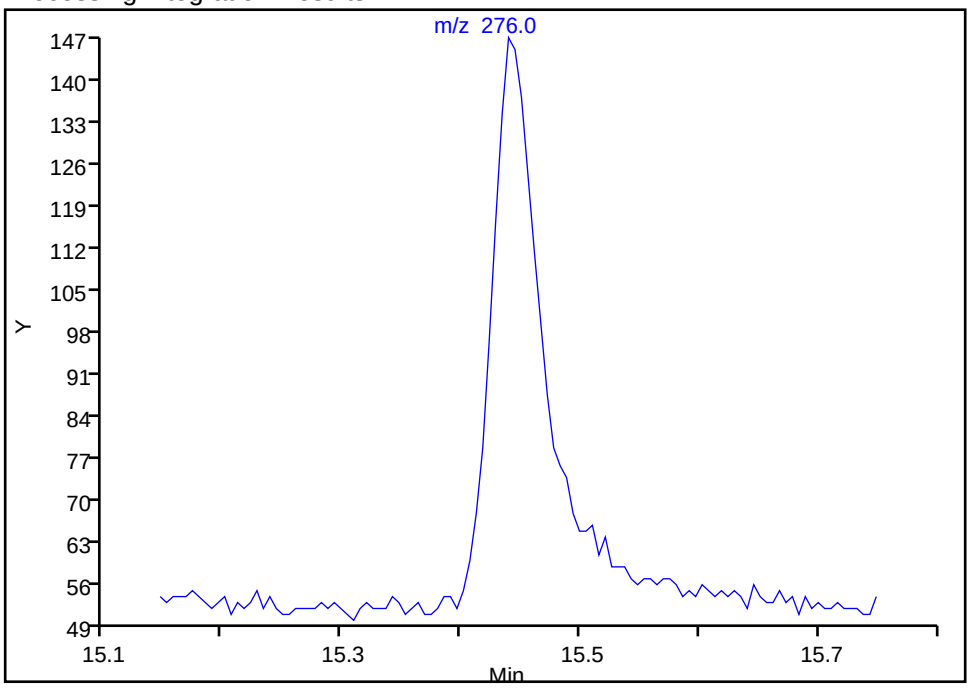
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D				
Injection Date:	14-Jan-2022 05:04:30	Instrument ID:	TAC050		
Lims ID:	std1				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	16	Worklist Smp#:	16
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

29 Benzo[g,h,i]perylene, CAS: 191-24-2

Signal: 1

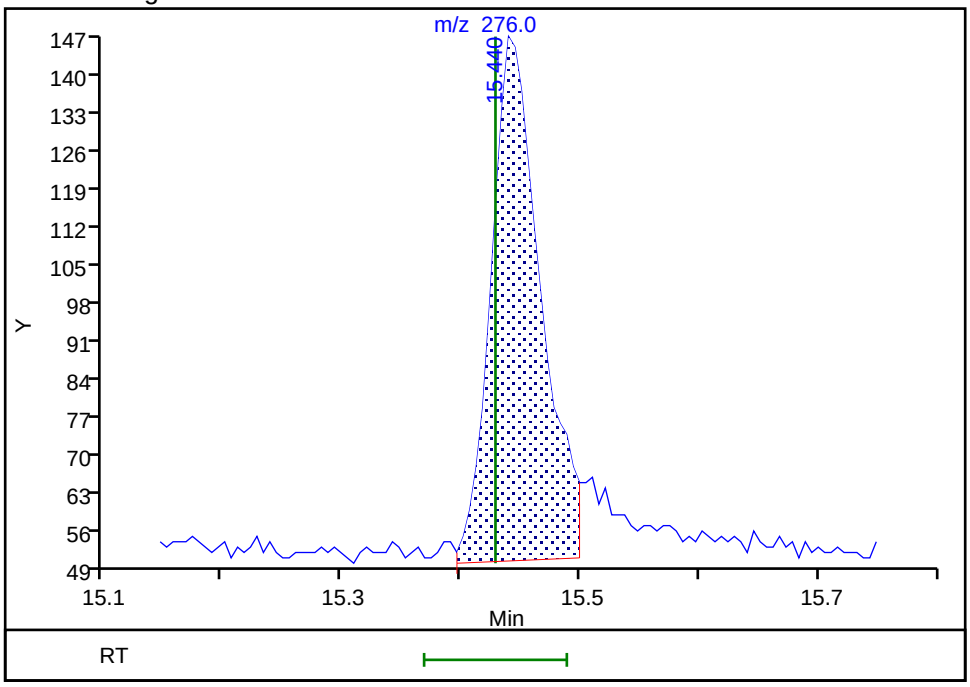
Not Detected
Expected RT: 15.43

Processing Integration Results



Manual Integration Results

RT: 15.44
Area: 281
Amount: 0.984422
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 14:39:32
Audit Action: Manually Integrated Audit Reason: Assign Peak

Calibration / Naphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

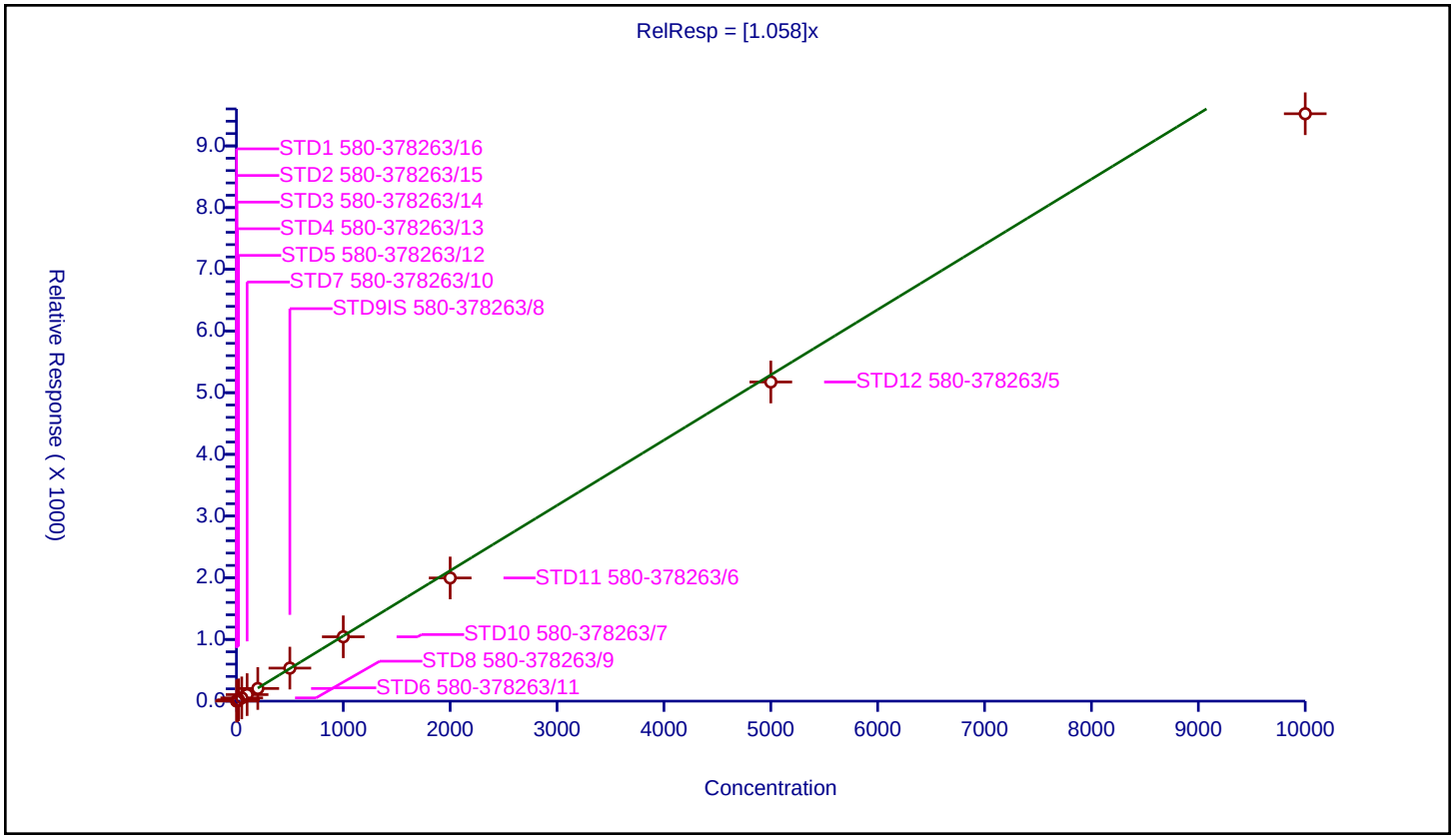
Curve Coefficients

Intercept:	0
Slope:	1.058

Error Coefficients

Standard Error:	776000
Relative Standard Error:	5.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.234627	100.0	20735.0	1.234627	N
2	STD2 580-378263/15	2.0	2.366313	100.0	21468.0	1.183156	Y
3	STD3 580-378263/14	5.0	5.520449	100.0	22788.0	1.10409	Y
4	STD4 580-378263/13	10.0	10.790345	100.0	21130.0	1.079035	Y
5	STD5 580-378263/12	20.0	21.69931	100.0	21291.0	1.084965	Y
6	STD6 580-378263/11	50.0	52.857677	100.0	21416.0	1.057154	Y
7	STD7 580-378263/10	100.0	105.88261	100.0	22864.0	1.058826	Y
8	STD8 580-378263/9	200.0	205.02246	100.0	25824.0	1.025112	Y
9	STD9IS 580-378263/8	500.0	535.471953	100.0	22195.0	1.070944	Y
10	STD10 580-378263/7	1000.0	1043.259661	100.0	23211.0	1.04326	Y
11	STD11 580-378263/6	2000.0	1996.965844	100.0	22807.0	0.998483	Y
12	STD12 580-378263/5	5000.0	5173.262203	100.0	21838.0	1.034652	Y
13	STD13 580-378263/4	10000.0	9521.454393	100.0	23790.0	0.952145	Y



Calibration / 2-methylnaphthalene-d10

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

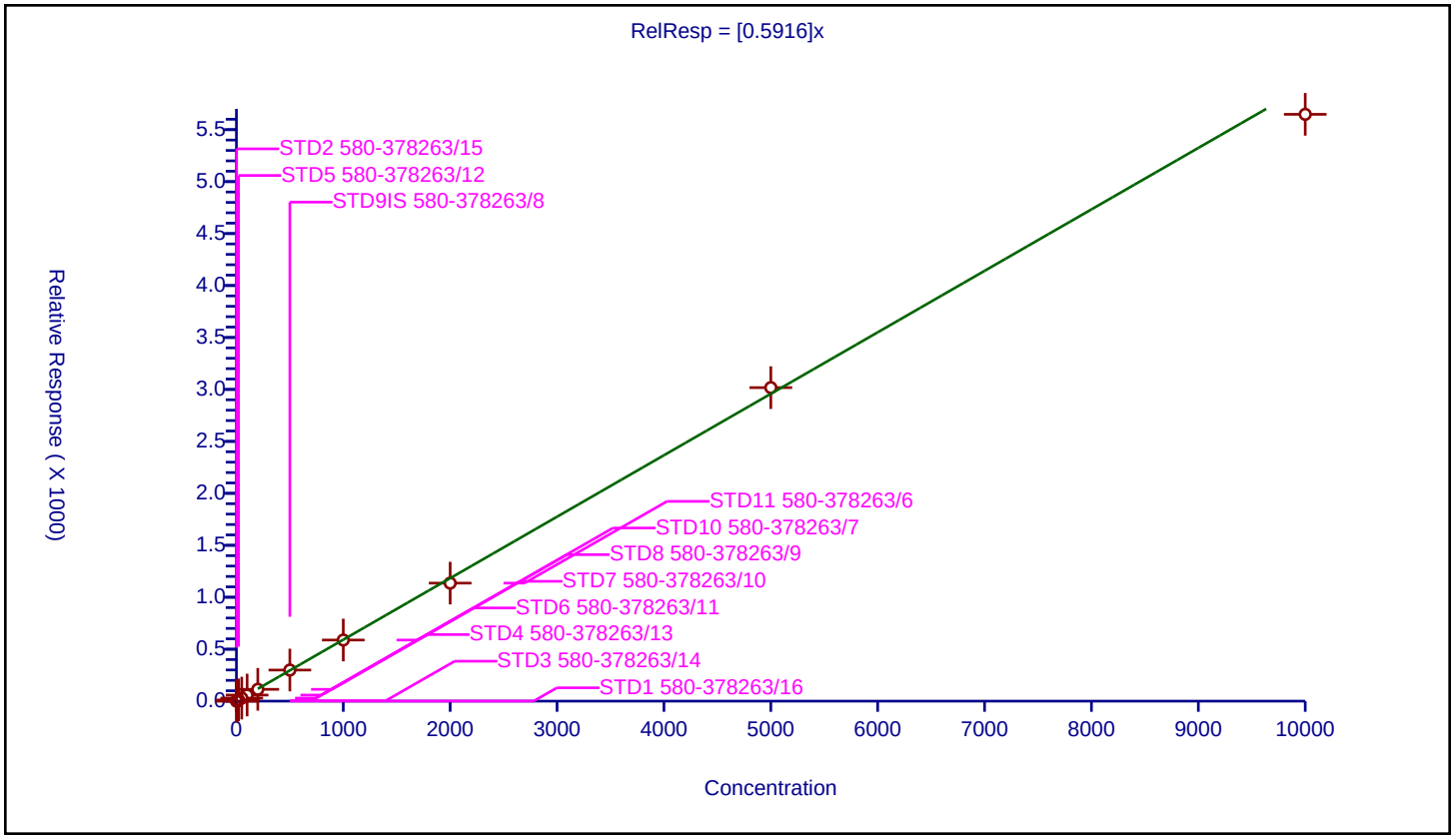
Curve Coefficients

Intercept:	0
Slope:	0.5916

Error Coefficients

Standard Error:	439000
Relative Standard Error:	4.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	0.588377	100.0	20735.0	0.588377	Y
2	STD2 580-378263/15	2.0	1.318241	100.0	21468.0	0.659121	Y
3	STD3 580-378263/14	5.0	2.957697	100.0	22788.0	0.591539	Y
4	STD4 580-378263/13	10.0	5.911027	100.0	21130.0	0.591103	Y
5	STD5 580-378263/12	20.0	11.897046	100.0	21291.0	0.594852	Y
6	STD6 580-378263/11	50.0	29.407919	100.0	21416.0	0.588158	Y
7	STD7 580-378263/10	100.0	58.620539	100.0	22864.0	0.586205	Y
8	STD8 580-378263/9	200.0	113.665582	100.0	25824.0	0.568328	Y
9	STD9IS 580-378263/8	500.0	299.378238	100.0	22195.0	0.598756	Y
10	STD10 580-378263/7	1000.0	588.040153	100.0	23211.0	0.58804	Y
11	STD11 580-378263/6	2000.0	1136.067874	100.0	22807.0	0.568034	Y
12	STD12 580-378263/5	5000.0	3017.377965	100.0	21838.0	0.603476	Y
13	STD13 580-378263/4	10000.0	5647.595628	100.0	23790.0	0.56476	Y



Calibration / 2-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

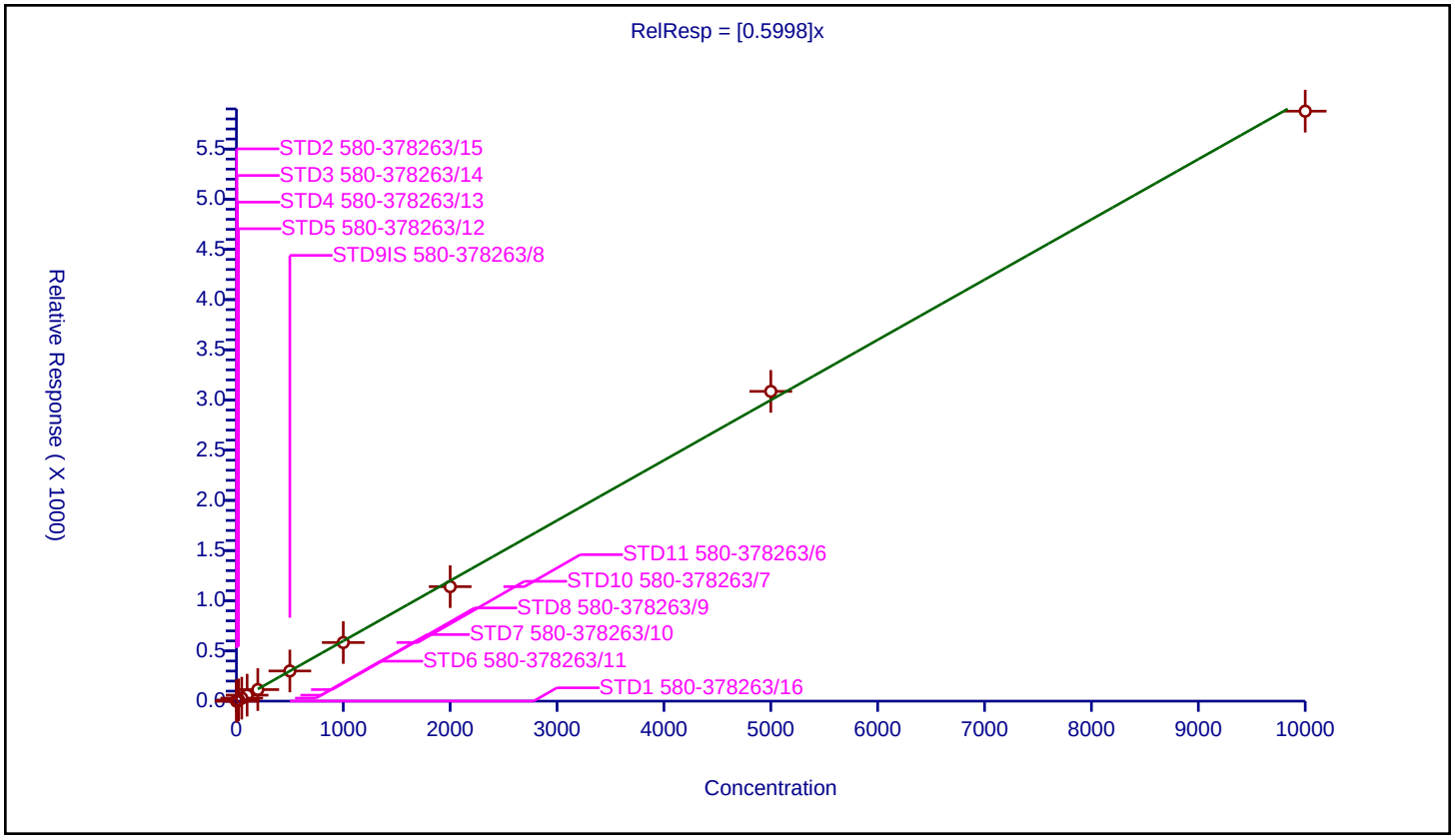
Curve Coefficients

Intercept:	0
Slope:	0.5998

Error Coefficients

Standard Error:	455000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	0.588377	100.0	20735.0	0.588377	Y
2	STD2 580-378263/15	2.0	1.313583	100.0	21468.0	0.656792	Y
3	STD3 580-378263/14	5.0	3.080569	100.0	22788.0	0.616114	Y
4	STD4 580-378263/13	10.0	6.029342	100.0	21130.0	0.602934	Y
5	STD5 580-378263/12	20.0	12.108403	100.0	21291.0	0.60542	Y
6	STD6 580-378263/11	50.0	29.916885	100.0	21416.0	0.598338	Y
7	STD7 580-378263/10	100.0	59.490903	100.0	22864.0	0.594909	Y
8	STD8 580-378263/9	200.0	114.935719	100.0	25824.0	0.574679	Y
9	STD9IS 580-378263/8	500.0	300.567695	100.0	22195.0	0.601135	Y
10	STD10 580-378263/7	1000.0	583.904183	100.0	23211.0	0.583904	Y
11	STD11 580-378263/6	2000.0	1140.434954	100.0	22807.0	0.570217	Y
12	STD12 580-378263/5	5000.0	3085.928199	100.0	21838.0	0.617186	Y
13	STD13 580-378263/4	10000.0	5877.435897	100.0	23790.0	0.587744	Y



Calibration / 1-Methylnaphthalene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

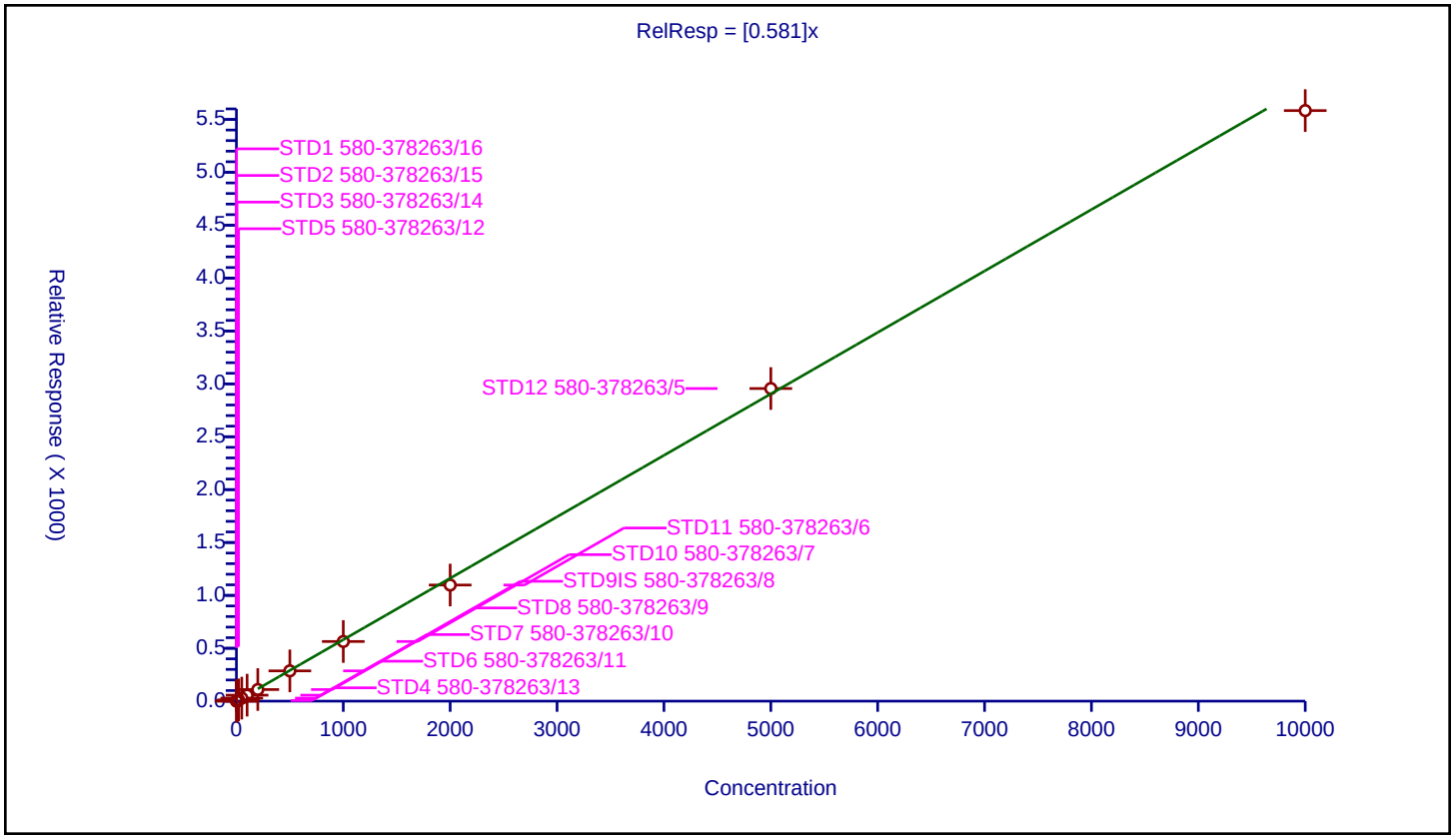
Curve Coefficients

Intercept:	0
Slope:	0.581

Error Coefficients

Standard Error:	433000
Relative Standard Error:	5.1
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	0.641428	100.0	20735.0	0.641428	Y
2	STD2 580-378263/15	2.0	1.276318	100.0	21468.0	0.638159	Y
3	STD3 580-378263/14	5.0	2.944532	100.0	22788.0	0.588906	Y
4	STD4 580-378263/13	10.0	5.792712	100.0	21130.0	0.579271	Y
5	STD5 580-378263/12	20.0	11.699779	100.0	21291.0	0.584989	Y
6	STD6 580-378263/11	50.0	28.576765	100.0	21416.0	0.571535	Y
7	STD7 580-378263/10	100.0	56.604269	100.0	22864.0	0.566043	Y
8	STD8 580-378263/9	200.0	109.576363	100.0	25824.0	0.547882	Y
9	STD9IS 580-378263/8	500.0	286.222122	100.0	22195.0	0.572444	Y
10	STD10 580-378263/7	1000.0	563.879195	100.0	23211.0	0.563879	Y
11	STD11 580-378263/6	2000.0	1097.803306	100.0	22807.0	0.548902	Y
12	STD12 580-378263/5	5000.0	2955.865922	100.0	21838.0	0.591173	Y
13	STD13 580-378263/4	10000.0	5583.917612	100.0	23790.0	0.558392	Y



Calibration / 2-Fluorobiphenyl

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

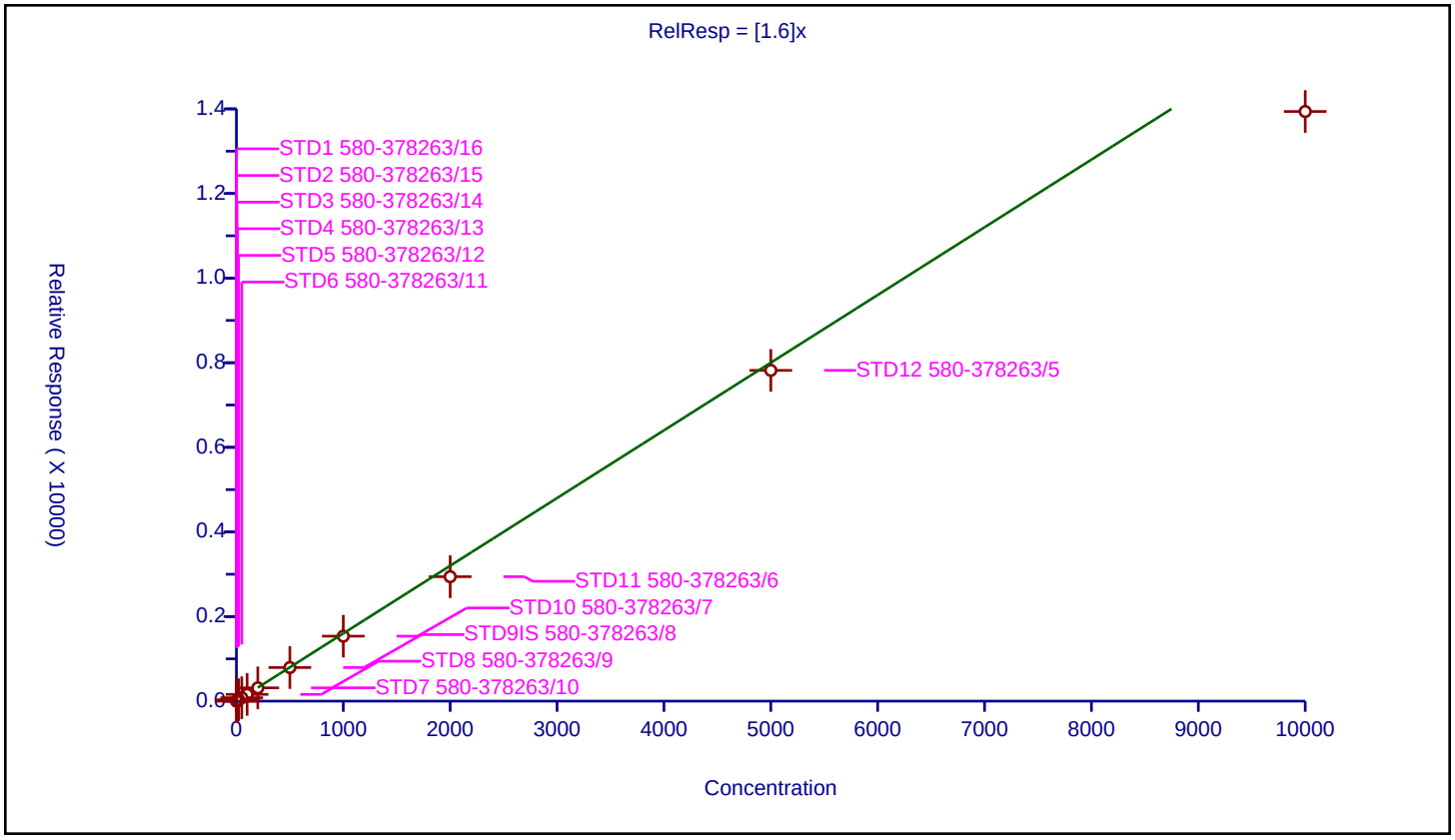
Curve Coefficients

Intercept:	0
Slope:	1.6

Error Coefficients

Standard Error:	559000
Relative Standard Error:	6.2
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.719387	100.0	9073.0	1.719387	Y
2	STD2 580-378263/15	2.0	3.531266	100.0	9515.0	1.765633	Y
3	STD3 580-378263/14	5.0	8.434568	100.0	10125.0	1.686914	Y
4	STD4 580-378263/13	10.0	16.449391	100.0	9435.0	1.644939	Y
5	STD5 580-378263/12	20.0	32.924165	100.0	9613.0	1.646208	Y
6	STD6 580-378263/11	50.0	81.025958	100.0	9708.0	1.620519	Y
7	STD7 580-378263/10	100.0	159.729548	100.0	10427.0	1.597295	Y
8	STD8 580-378263/9	200.0	313.696299	100.0	11755.0	1.568481	Y
9	STD9IS 580-378263/8	500.0	794.071491	100.0	10323.0	1.588143	Y
10	STD10 580-378263/7	1000.0	1536.206583	100.0	10998.0	1.536207	Y
11	STD11 580-378263/6	2000.0	2942.006927	100.0	10972.0	1.471003	Y
12	STD12 580-378263/5	5000.0	7818.631609	100.0	10611.0	1.563726	Y
13	STD13 580-378263/4	10000.0	13938.568092	100.0	12417.0	1.393857	Y



Calibration / Acenaphthylene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

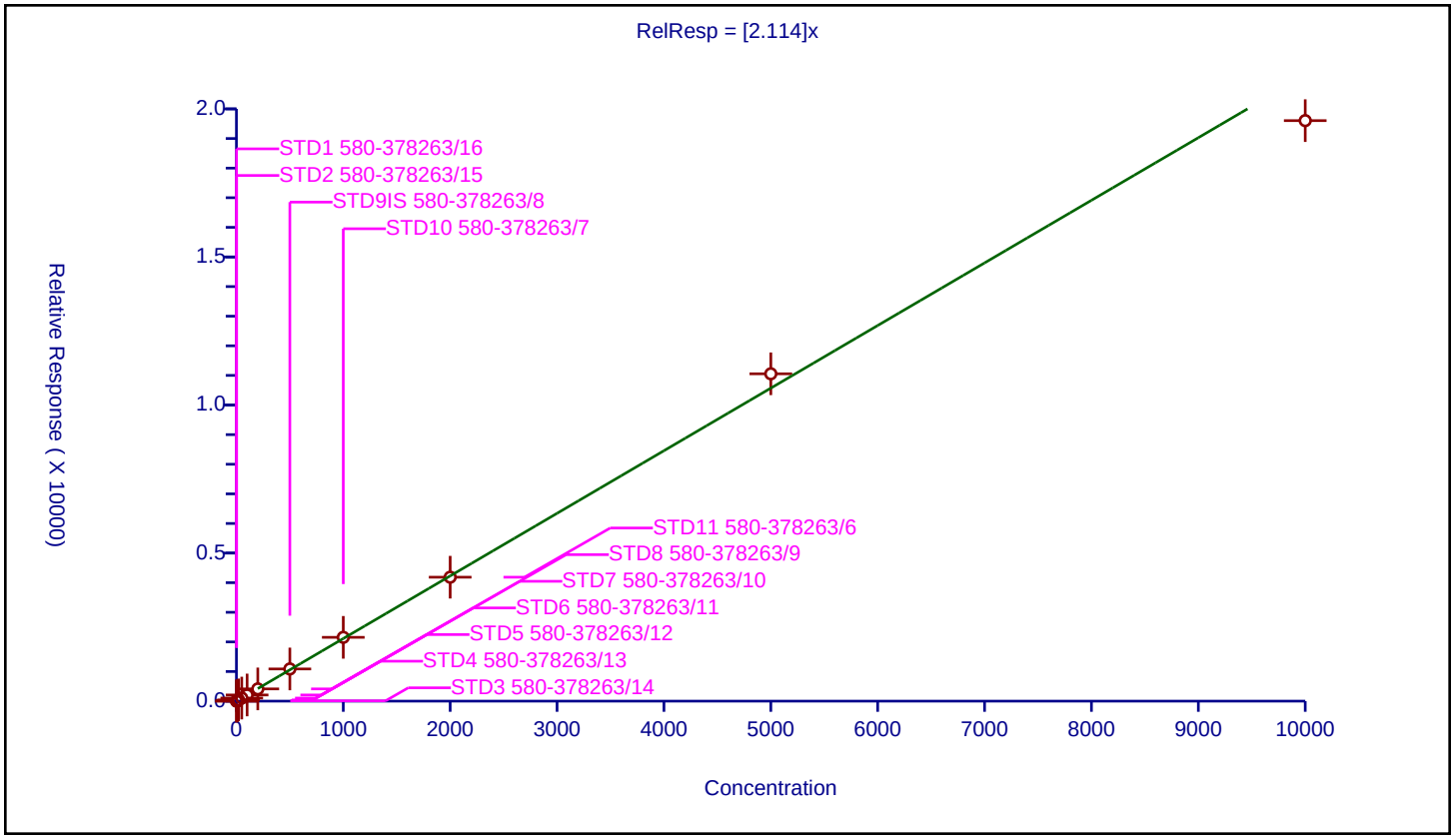
Curve Coefficients

Intercept:	0
Slope:	2.114

Error Coefficients

Standard Error:	788000
Relative Standard Error:	3.4
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.193321	100.0	9073.0	2.193321	Y
2	STD2 580-378263/15	2.0	4.435102	100.0	9515.0	2.217551	Y
3	STD3 580-378263/14	5.0	10.498765	100.0	10125.0	2.099753	Y
4	STD4 580-378263/13	10.0	20.63593	100.0	9435.0	2.063593	Y
5	STD5 580-378263/12	20.0	41.620722	100.0	9613.0	2.081036	Y
6	STD6 580-378263/11	50.0	104.233622	100.0	9708.0	2.084672	Y
7	STD7 580-378263/10	100.0	208.593076	100.0	10427.0	2.085931	Y
8	STD8 580-378263/9	200.0	412.930668	100.0	11755.0	2.064653	Y
9	STD9IS 580-378263/8	500.0	1087.135523	100.0	10323.0	2.174271	Y
10	STD10 580-378263/7	1000.0	2155.000909	100.0	10998.0	2.155001	Y
11	STD11 580-378263/6	2000.0	4185.435654	100.0	10972.0	2.092718	Y
12	STD12 580-378263/5	5000.0	11054.688531	100.0	10611.0	2.210938	Y
13	STD13 580-378263/4	10000.0	19603.511315	100.0	12417.0	1.960351	Y



Calibration / Acenaphthene

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

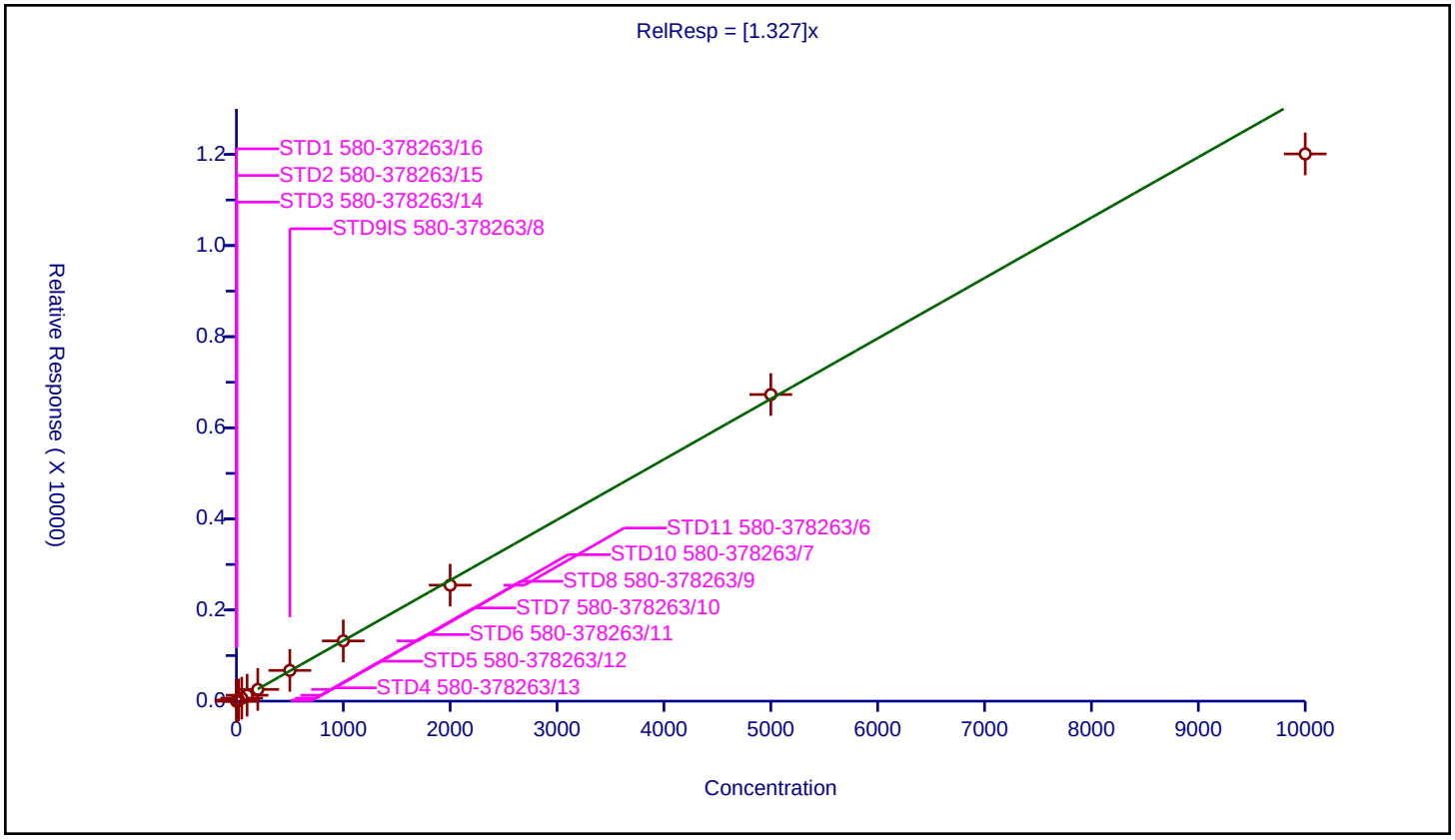
Curve Coefficients

Intercept:	0
Slope:	1.327

Error Coefficients

Standard Error:	482000
Relative Standard Error:	4.9
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.377714	100.0	9073.0	1.377714	Y
2	STD2 580-378263/15	2.0	2.974251	100.0	9515.0	1.487126	Y
3	STD3 580-378263/14	5.0	6.735802	100.0	10125.0	1.34716	Y
4	STD4 580-378263/13	10.0	13.227345	100.0	9435.0	1.322734	Y
5	STD5 580-378263/12	20.0	26.516176	100.0	9613.0	1.325809	Y
6	STD6 580-378263/11	50.0	65.471776	100.0	9708.0	1.309436	Y
7	STD7 580-378263/10	100.0	129.941498	100.0	10427.0	1.299415	Y
8	STD8 580-378263/9	200.0	257.337303	100.0	11755.0	1.286687	Y
9	STD9IS 580-378263/8	500.0	674.610094	100.0	10323.0	1.34922	Y
10	STD10 580-378263/7	1000.0	1322.076741	100.0	10998.0	1.322077	Y
11	STD11 580-378263/6	2000.0	2545.743711	100.0	10972.0	1.272872	Y
12	STD12 580-378263/5	5000.0	6730.524927	100.0	10611.0	1.346105	Y
13	STD13 580-378263/4	10000.0	12011.524523	100.0	12417.0	1.201152	Y



Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

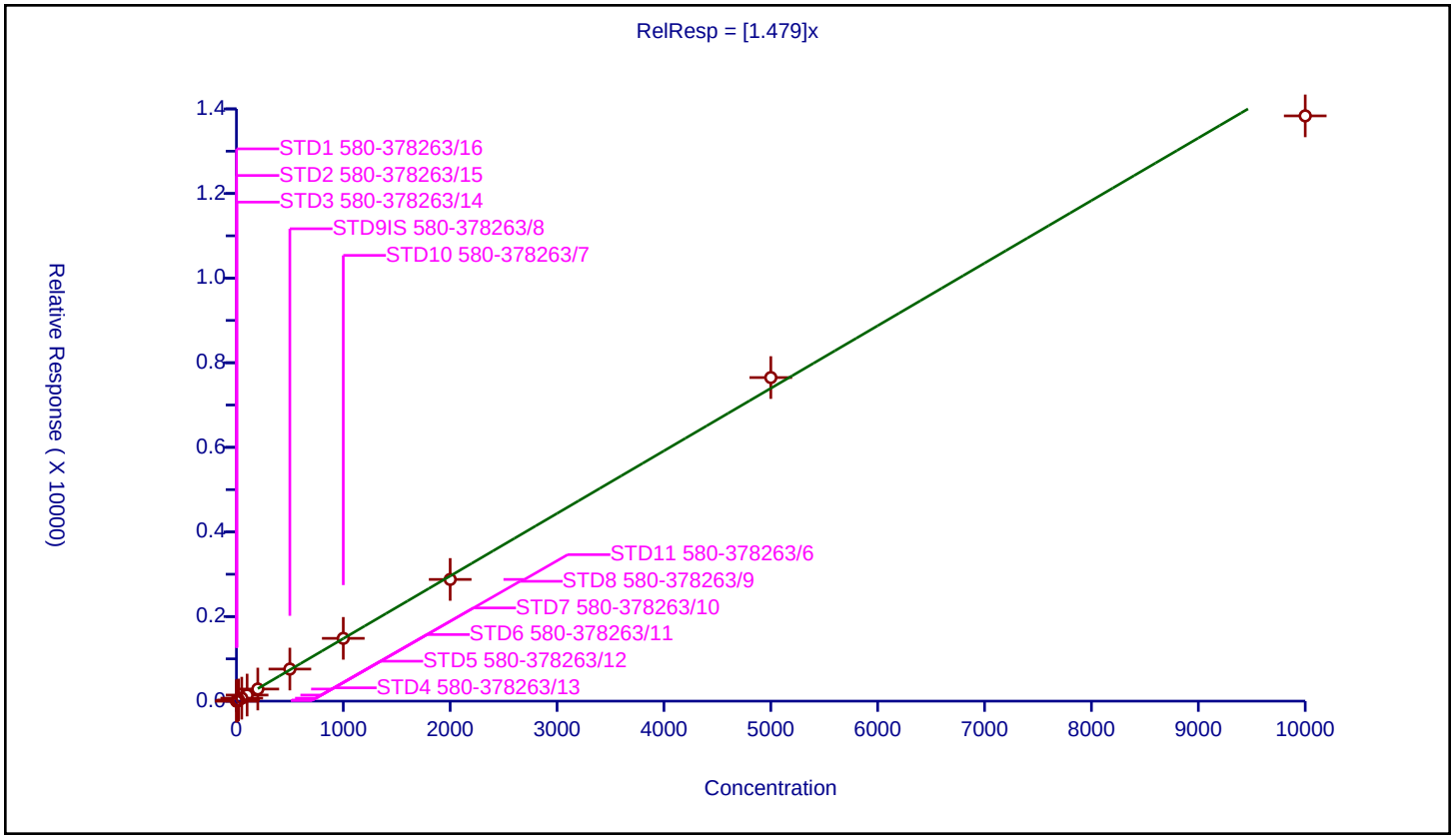
Curve Coefficients

Intercept:	0
Slope:	1.479

Error Coefficients

Standard Error:	554000
Relative Standard Error:	6.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.631213	100.0	9073.0	1.631213	Y
2	STD2 580-378263/15	2.0	3.321072	100.0	9515.0	1.660536	Y
3	STD3 580-378263/14	5.0	7.525926	100.0	10125.0	1.505185	Y
4	STD4 580-378263/13	10.0	14.255432	100.0	9435.0	1.425543	Y
5	STD5 580-378263/12	20.0	27.639655	100.0	9613.0	1.381983	Y
6	STD6 580-378263/11	50.0	70.00412	100.0	9708.0	1.400082	Y
7	STD7 580-378263/10	100.0	144.020332	100.0	10427.0	1.440203	Y
8	STD8 580-378263/9	200.0	286.312208	100.0	11755.0	1.431561	Y
9	STD9IS 580-378263/8	500.0	758.200136	100.0	10323.0	1.5164	Y
10	STD10 580-378263/7	1000.0	1483.987998	100.0	10998.0	1.483988	Y
11	STD11 580-378263/6	2000.0	2876.950419	100.0	10972.0	1.438475	Y
12	STD12 580-378263/5	5000.0	7648.949204	100.0	10611.0	1.52979	Y
13	STD13 580-378263/4	10000.0	13835.298381	100.0	12417.0	1.38353	Y



Calibration / 2,4,6-Tribromophenol

Curve Type:	Quadratic
Weighting:	Conc
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

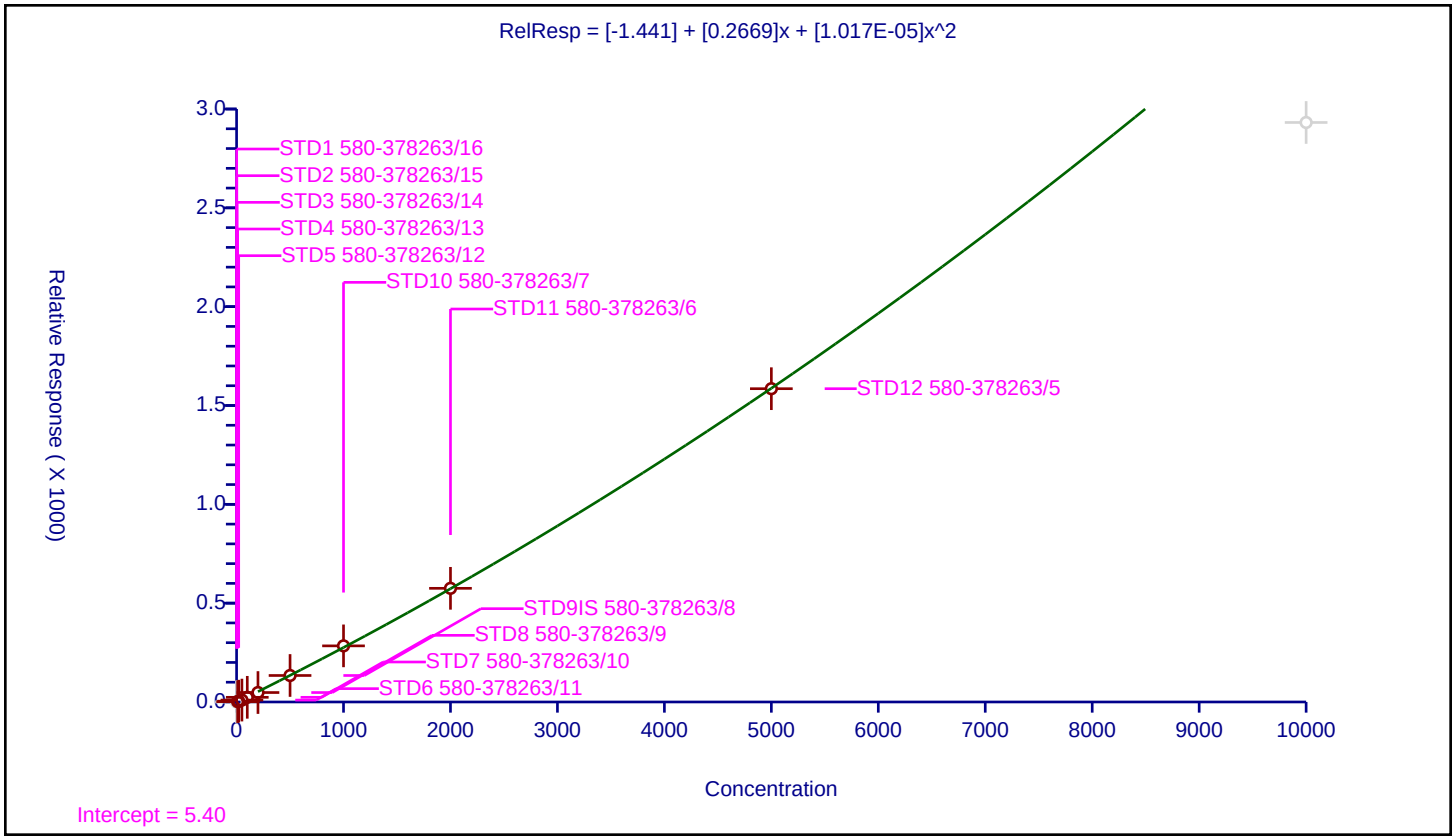
Curve Coefficients

Intercept:	-1.441
Slope:	0.2669
Second Order:	1.017E-05

Error Coefficients

Standard Error:	74000
Relative Standard Error:	13.0
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	1.000

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	0.0	100.0	9073.0	0.0	N
2	STD2 580-378263/15	2.0	0.599054	100.0	9515.0	0.299527	N
3	STD3 580-378263/14	5.0	1.116049	100.0	10125.0	0.22321	N
4	STD4 580-378263/13	10.0	1.886592	100.0	9435.0	0.188659	Y
5	STD5 580-378263/12	20.0	4.119422	100.0	9613.0	0.205971	Y
6	STD6 580-378263/11	50.0	9.693037	100.0	9708.0	0.193861	Y
7	STD7 580-378263/10	100.0	23.611777	100.0	10427.0	0.236118	Y
8	STD8 580-378263/9	200.0	47.834964	100.0	11755.0	0.239175	Y
9	STD9IS 580-378263/8	500.0	134.030805	100.0	10323.0	0.268062	Y
10	STD10 580-378263/7	1000.0	283.869795	100.0	10998.0	0.28387	Y
11	STD11 580-378263/6	2000.0	575.009114	100.0	10972.0	0.287505	Y
12	STD12 580-378263/5	5000.0	1585.081519	100.0	10611.0	0.317016	Y
13	STD13 580-378263/4	10000.0	2931.851494	100.0	12417.0	0.293185	N



Calibration / Pentachlorophenol

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

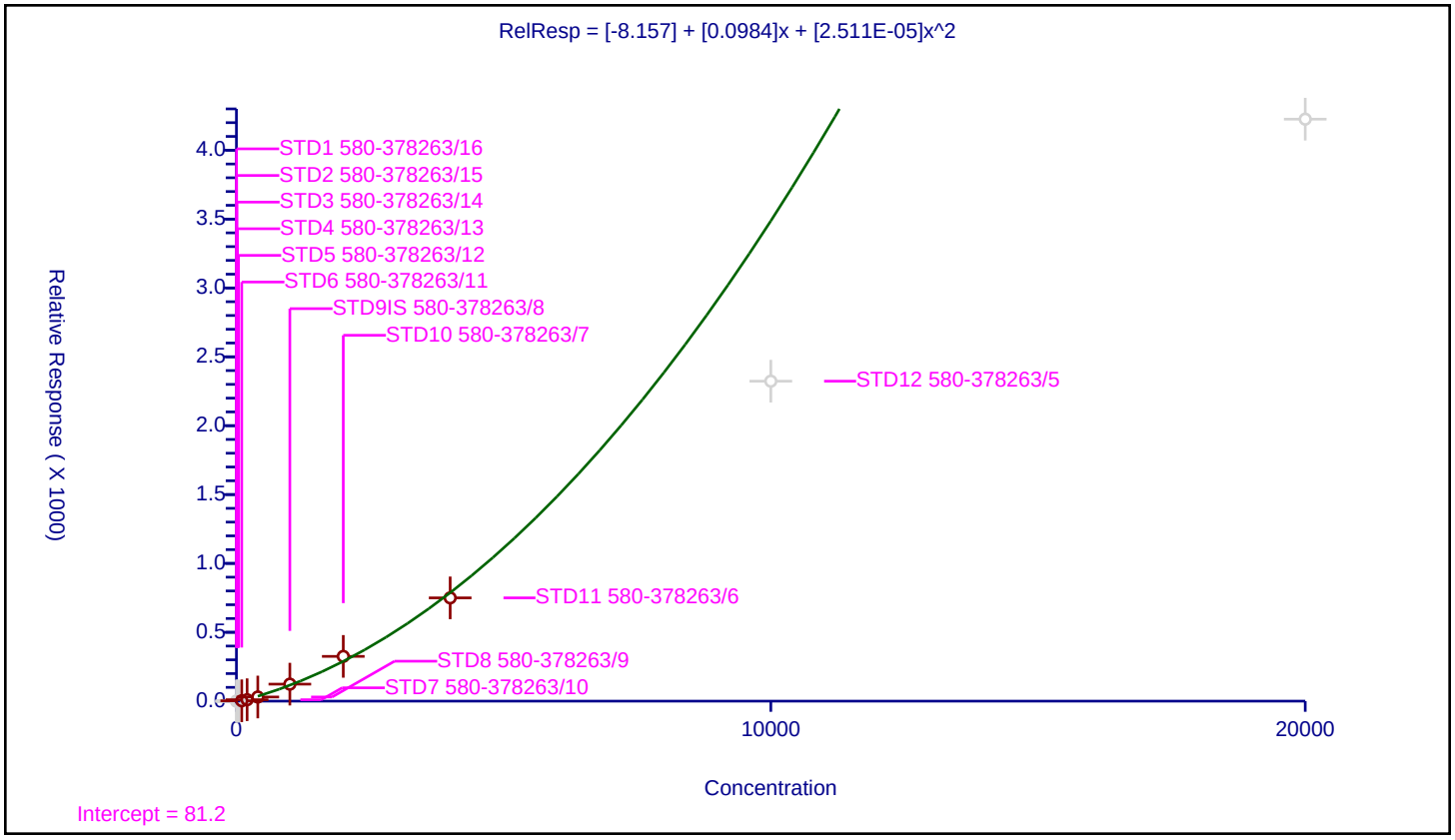
Curve Coefficients

Intercept:	-8.157
Slope:	0.0984
Second Order:	2.511E-05

Error Coefficients

Standard Error:	63800
Relative Standard Error:	11.5
Correlation Coefficient:	0.995
Coefficient of Determination (Adjusted):	0.990

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	2.0	0.0	100.0	10350.0	0.0	N
2	STD2 580-378263/15	4.0	0.0	100.0	10882.0	0.0	N
3	STD3 580-378263/14	10.0	0.0	100.0	12288.0	0.0	N
4	STD4 580-378263/13	20.0	0.0	100.0	11178.0	0.0	N
5	STD5 580-378263/12	40.0	0.441919	100.0	11088.0	0.011048	N
6	STD6 580-378263/11	100.0	2.672527	100.0	11375.0	0.026725	Y
7	STD7 580-378263/10	200.0	10.25583	100.0	13251.0	0.051279	Y
8	STD8 580-378263/9	400.0	30.131626	100.0	14055.0	0.075329	Y
9	STD9IS 580-378263/8	1000.0	123.438748	100.0	12522.0	0.123439	Y
10	STD10 580-378263/7	2000.0	324.959636	100.0	13626.0	0.16248	Y
11	STD11 580-378263/6	4000.0	749.810592	100.0	13463.0	0.187453	Y
12	STD12 580-378263/5	10000.0	2323.042203	100.0	13293.0	0.232304	N
13	STD13 580-378263/4	20000.0	4225.406922	100.0	16035.0	0.21127	N



Calibration / Phenanthrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

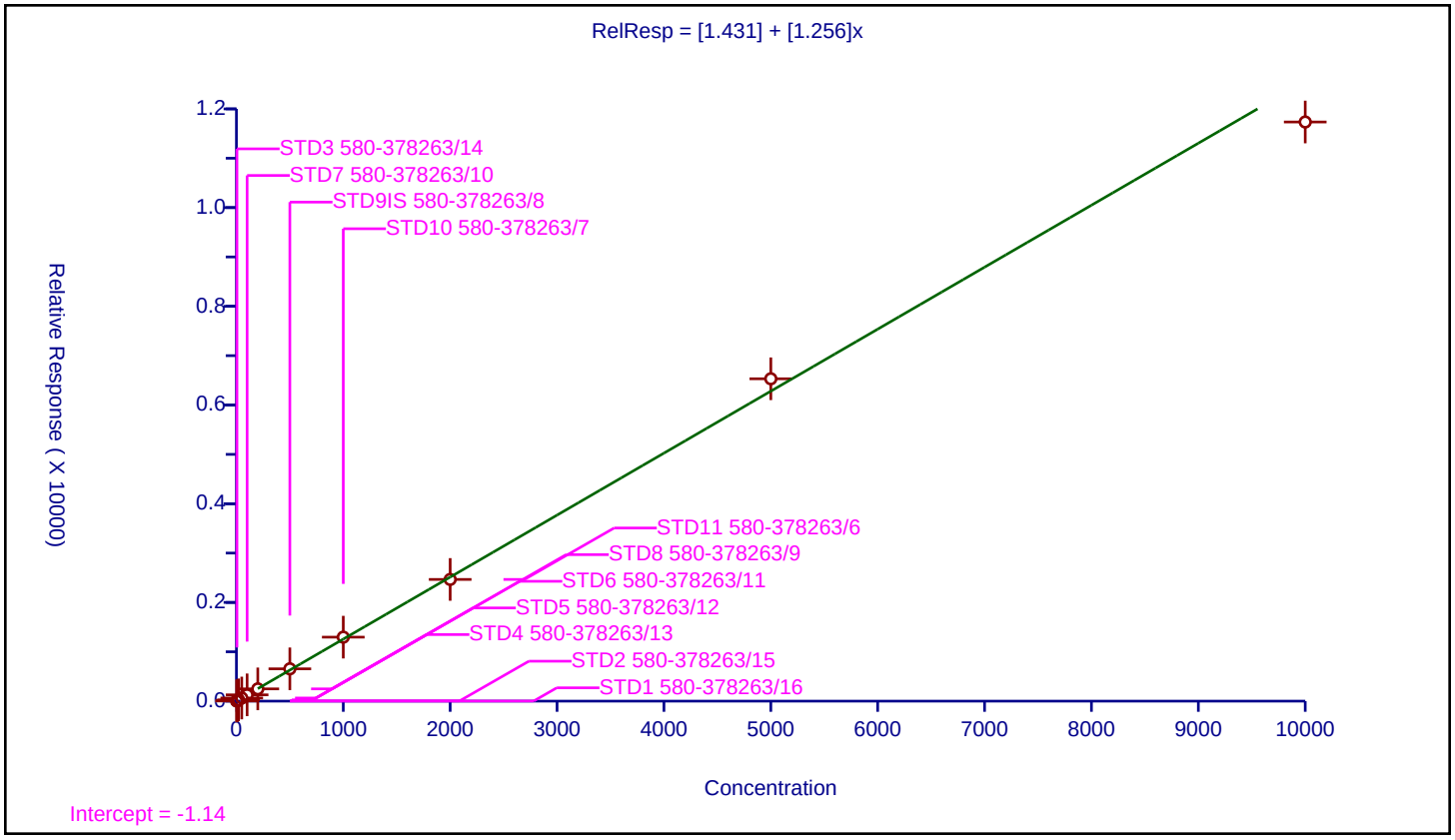
Curve Coefficients

Intercept:	1.431
Slope:	1.256

Error Coefficients

Standard Error:	804000
Relative Standard Error:	3.7
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.494379	100.0	14232.0	2.494379	N
2	STD2 580-378263/15	2.0	3.901296	100.0	14508.0	1.950648	Y
3	STD3 580-378263/14	5.0	8.069146	100.0	15677.0	1.613829	Y
4	STD4 580-378263/13	10.0	13.763889	100.0	14400.0	1.376389	Y
5	STD5 580-378263/12	20.0	25.959167	100.0	14596.0	1.297958	Y
6	STD6 580-378263/11	50.0	63.204929	100.0	14771.0	1.264099	Y
7	STD7 580-378263/10	100.0	127.731699	100.0	16638.0	1.277317	Y
8	STD8 580-378263/9	200.0	248.684283	100.0	18203.0	1.243421	Y
9	STD9IS 580-378263/8	500.0	654.743222	100.0	15675.0	1.309486	Y
10	STD10 580-378263/7	1000.0	1296.50125	100.0	16806.0	1.296501	Y
11	STD11 580-378263/6	2000.0	2465.855651	100.0	17139.0	1.232928	Y
12	STD12 580-378263/5	5000.0	6531.561958	100.0	16729.0	1.306312	Y
13	STD13 580-378263/4	10000.0	11734.237746	100.0	19239.0	1.173424	Y



Calibration / Anthracene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

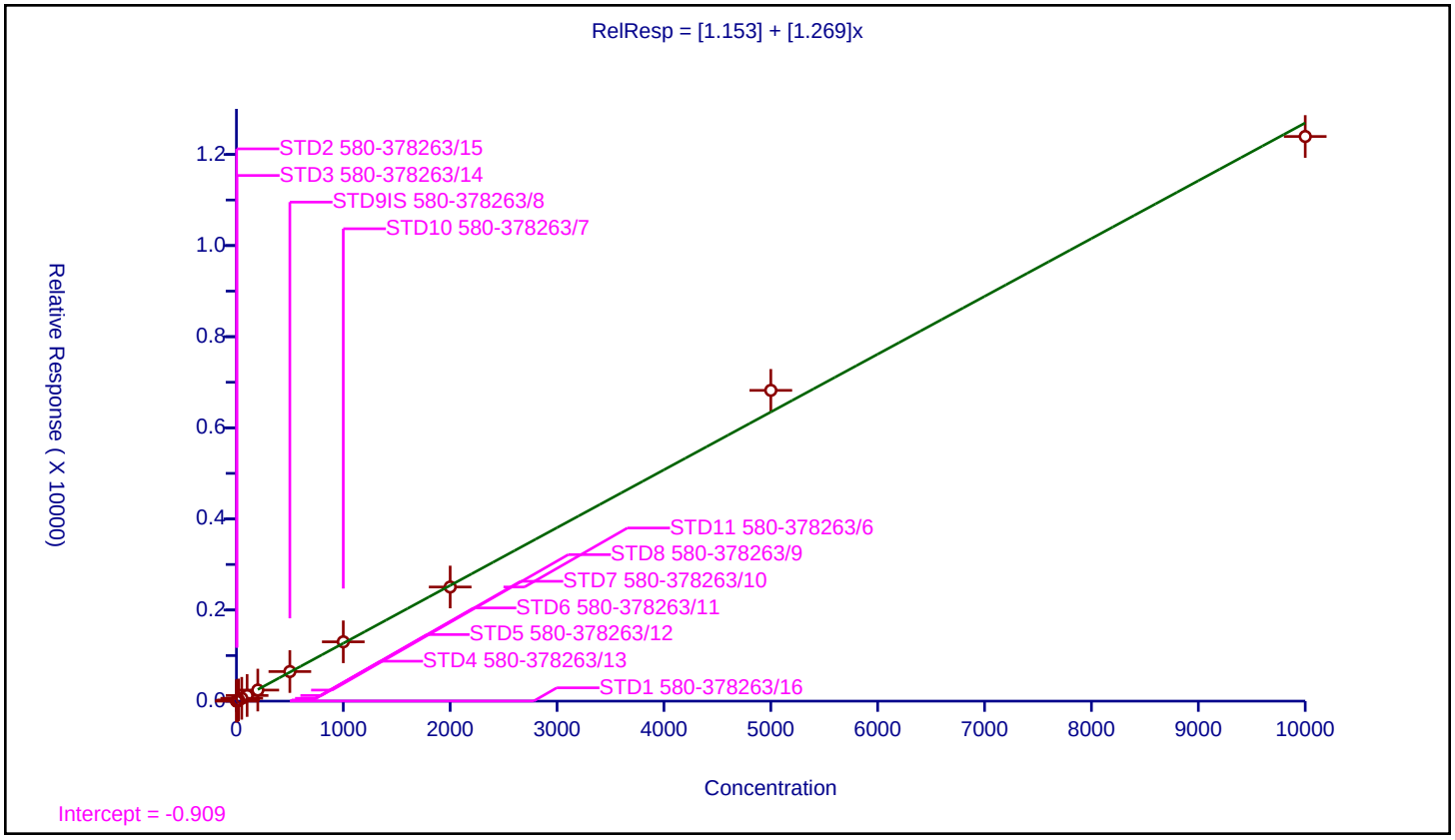
Curve Coefficients

Intercept:	1.153
Slope:	1.269

Error Coefficients

Standard Error:	807000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.381956	100.0	14232.0	2.381956	Y
2	STD2 580-378263/15	2.0	3.81169	100.0	14508.0	1.905845	Y
3	STD3 580-378263/14	5.0	7.896919	100.0	15677.0	1.579384	Y
4	STD4 580-378263/13	10.0	13.534722	100.0	14400.0	1.353472	Y
5	STD5 580-378263/12	20.0	26.013976	100.0	14596.0	1.300699	Y
6	STD6 580-378263/11	50.0	62.433146	100.0	14771.0	1.248663	Y
7	STD7 580-378263/10	100.0	123.518452	100.0	16638.0	1.235185	Y
8	STD8 580-378263/9	200.0	242.657804	100.0	18203.0	1.213289	Y
9	STD9IS 580-378263/8	500.0	649.263158	100.0	15675.0	1.298526	Y
10	STD10 580-378263/7	1000.0	1302.522908	100.0	16806.0	1.302523	Y
11	STD11 580-378263/6	2000.0	2505.350371	100.0	17139.0	1.252675	Y
12	STD12 580-378263/5	5000.0	6821.794489	100.0	16729.0	1.364359	Y
13	STD13 580-378263/4	10000.0	12394.334425	100.0	19239.0	1.239433	Y



Calibration / Fluoranthene-d10 (Surr)

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

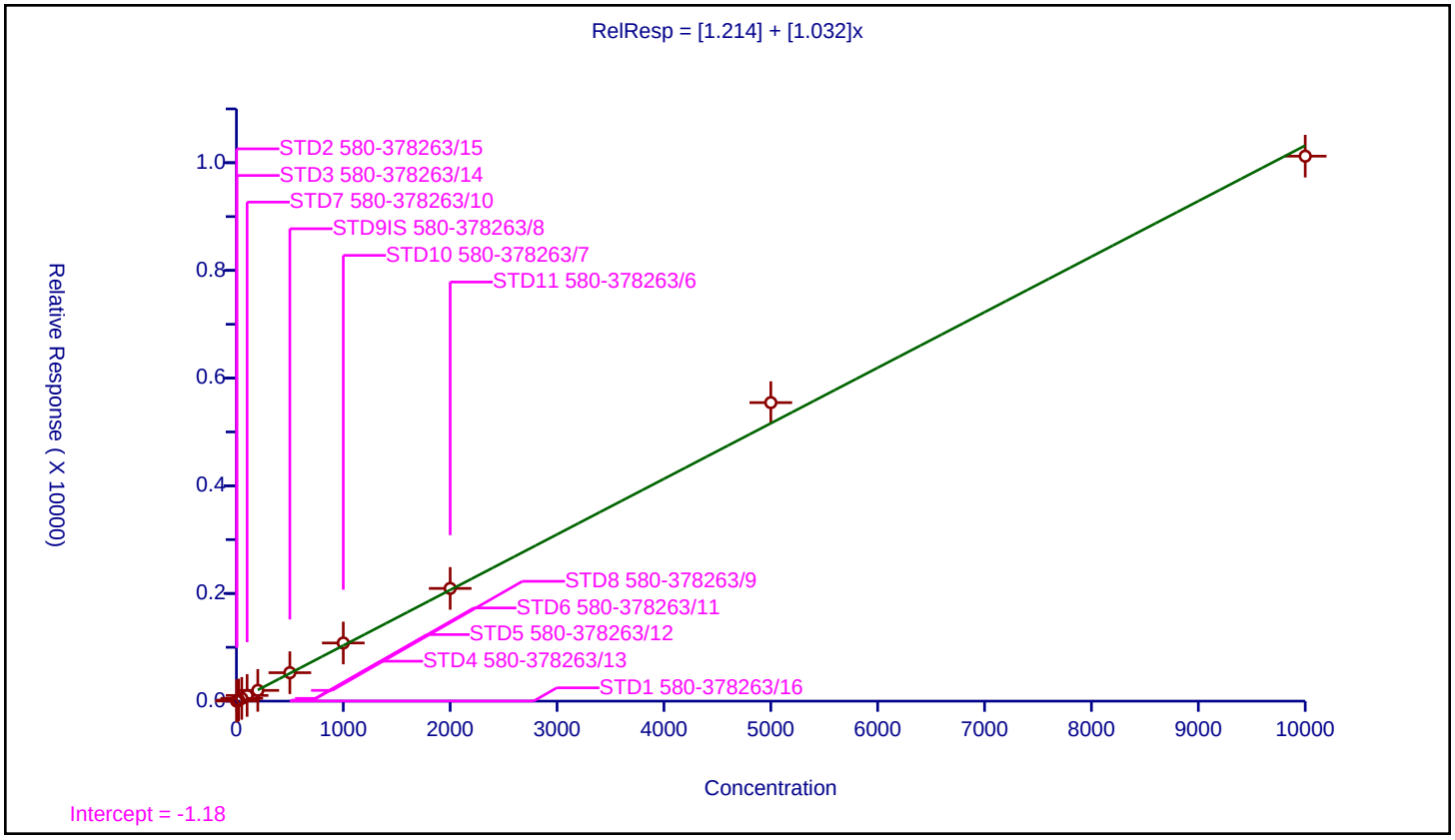
Curve Coefficients

Intercept:	1.214
Slope:	1.032

Error Coefficients

Standard Error:	691000
Relative Standard Error:	4.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.07982	100.0	14232.0	2.07982	N
2	STD2 580-378263/15	2.0	3.280948	100.0	14508.0	1.640474	Y
3	STD3 580-378263/14	5.0	6.621165	100.0	15677.0	1.324233	Y
4	STD4 580-378263/13	10.0	10.805556	100.0	14400.0	1.080556	Y
5	STD5 580-378263/12	20.0	20.718005	100.0	14596.0	1.0359	Y
6	STD6 580-378263/11	50.0	51.066279	100.0	14771.0	1.021326	Y
7	STD7 580-378263/10	100.0	105.607645	100.0	16638.0	1.056076	Y
8	STD8 580-378263/9	200.0	199.522057	100.0	18203.0	0.99761	Y
9	STD9IS 580-378263/8	500.0	528.172249	100.0	15675.0	1.056344	Y
10	STD10 580-378263/7	1000.0	1080.263001	100.0	16806.0	1.080263	Y
11	STD11 580-378263/6	2000.0	2093.797771	100.0	17139.0	1.046899	Y
12	STD12 580-378263/5	5000.0	5544.497579	100.0	16729.0	1.1089	Y
13	STD13 580-378263/4	10000.0	10121.75269	100.0	19239.0	1.012175	Y



Calibration / Fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

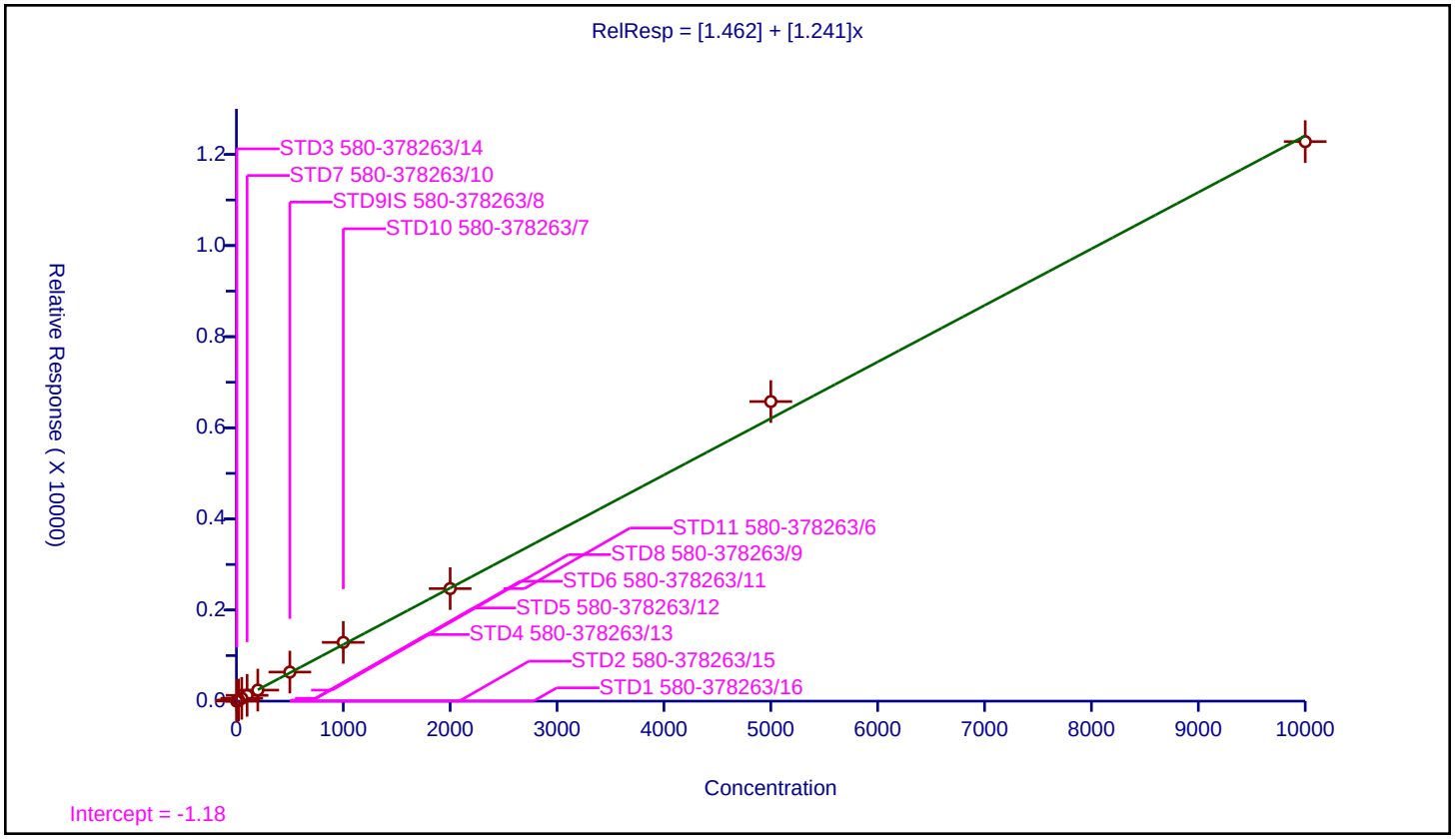
Curve Coefficients

Intercept:	1.462
Slope:	1.241

Error Coefficients

Standard Error:	834000
Relative Standard Error:	4.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.529511	100.0	14232.0	2.529511	N
2	STD2 580-378263/15	2.0	3.93576	100.0	14508.0	1.96788	Y
3	STD3 580-378263/14	5.0	8.011737	100.0	15677.0	1.602347	Y
4	STD4 580-378263/13	10.0	13.090278	100.0	14400.0	1.309028	Y
5	STD5 580-378263/12	20.0	24.773911	100.0	14596.0	1.238696	Y
6	STD6 580-378263/11	50.0	62.148805	100.0	14771.0	1.242976	Y
7	STD7 580-378263/10	100.0	127.160716	100.0	16638.0	1.271607	Y
8	STD8 580-378263/9	200.0	242.295226	100.0	18203.0	1.211476	Y
9	STD9IS 580-378263/8	500.0	637.952153	100.0	15675.0	1.275904	Y
10	STD10 580-378263/7	1000.0	1289.99762	100.0	16806.0	1.289998	Y
11	STD11 580-378263/6	2000.0	2470.395006	100.0	17139.0	1.235198	Y
12	STD12 580-378263/5	5000.0	6576.268755	100.0	16729.0	1.315254	Y
13	STD13 580-378263/4	10000.0	12281.974115	100.0	19239.0	1.228197	Y



Calibration / Pyrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

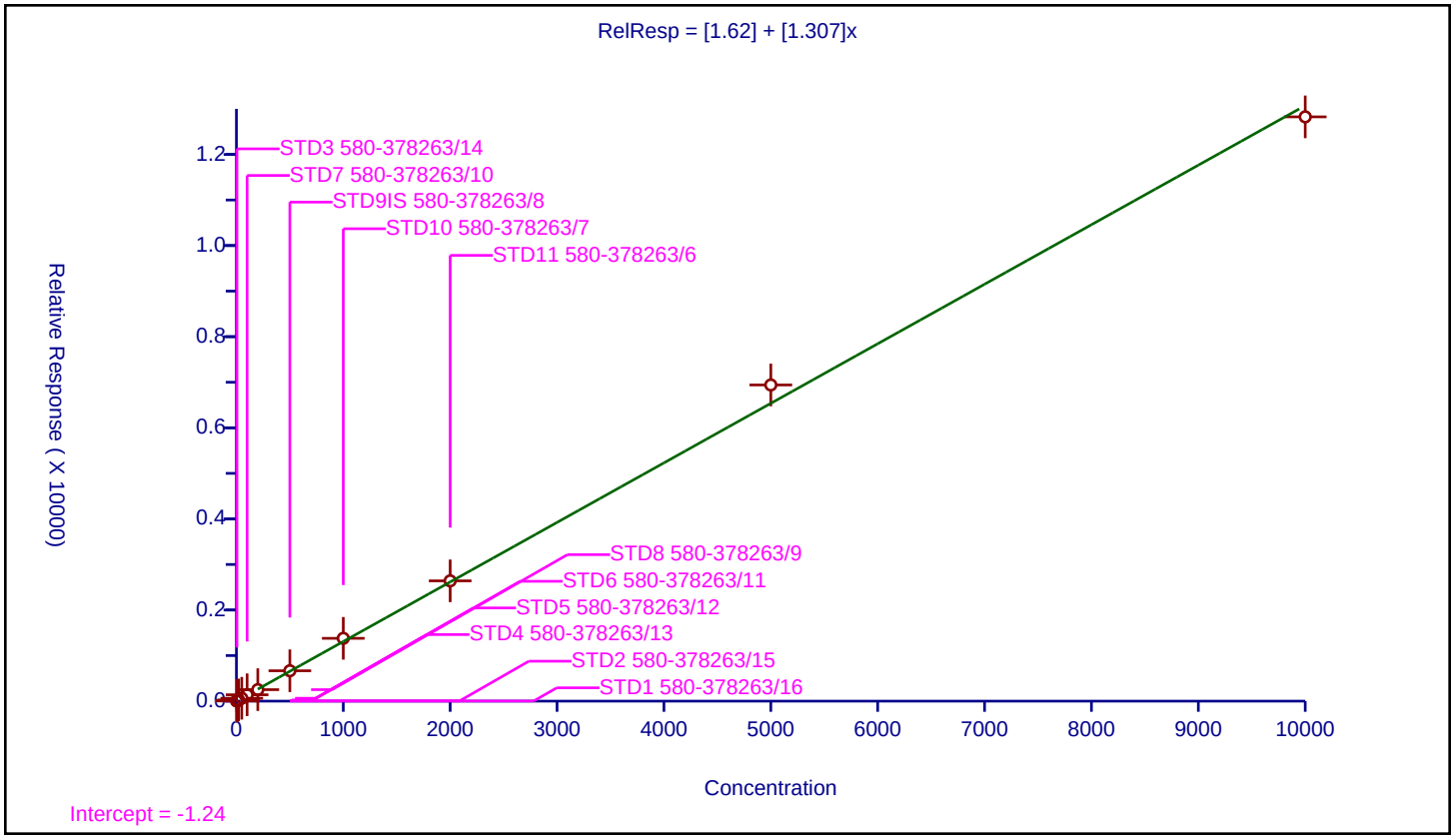
Curve Coefficients

Intercept:	1.62
Slope:	1.307

Error Coefficients

Standard Error:	873000
Relative Standard Error:	6.3
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.996

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.712198	100.0	14232.0	2.712198	N
2	STD2 580-378263/15	2.0	4.21147	100.0	14508.0	2.105735	Y
3	STD3 580-378263/14	5.0	8.770811	100.0	15677.0	1.754162	Y
4	STD4 580-378263/13	10.0	13.340278	100.0	14400.0	1.334028	Y
5	STD5 580-378263/12	20.0	25.856399	100.0	14596.0	1.29282	Y
6	STD6 580-378263/11	50.0	63.56374	100.0	14771.0	1.271275	Y
7	STD7 580-378263/10	100.0	140.064912	100.0	16638.0	1.400649	Y
8	STD8 580-378263/9	200.0	252.546284	100.0	18203.0	1.262731	Y
9	STD9IS 580-378263/8	500.0	666.966507	100.0	15675.0	1.333933	Y
10	STD10 580-378263/7	1000.0	1378.567178	100.0	16806.0	1.378567	Y
11	STD11 580-378263/6	2000.0	2640.340743	100.0	17139.0	1.32017	Y
12	STD12 580-378263/5	5000.0	6940.576245	100.0	16729.0	1.388115	Y
13	STD13 580-378263/4	10000.0	12825.094859	100.0	19239.0	1.282509	Y



Calibration / Terphenyl-d14

Curve Type:	Average
Weighting:	Conc_Sq
Origin:	Force
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

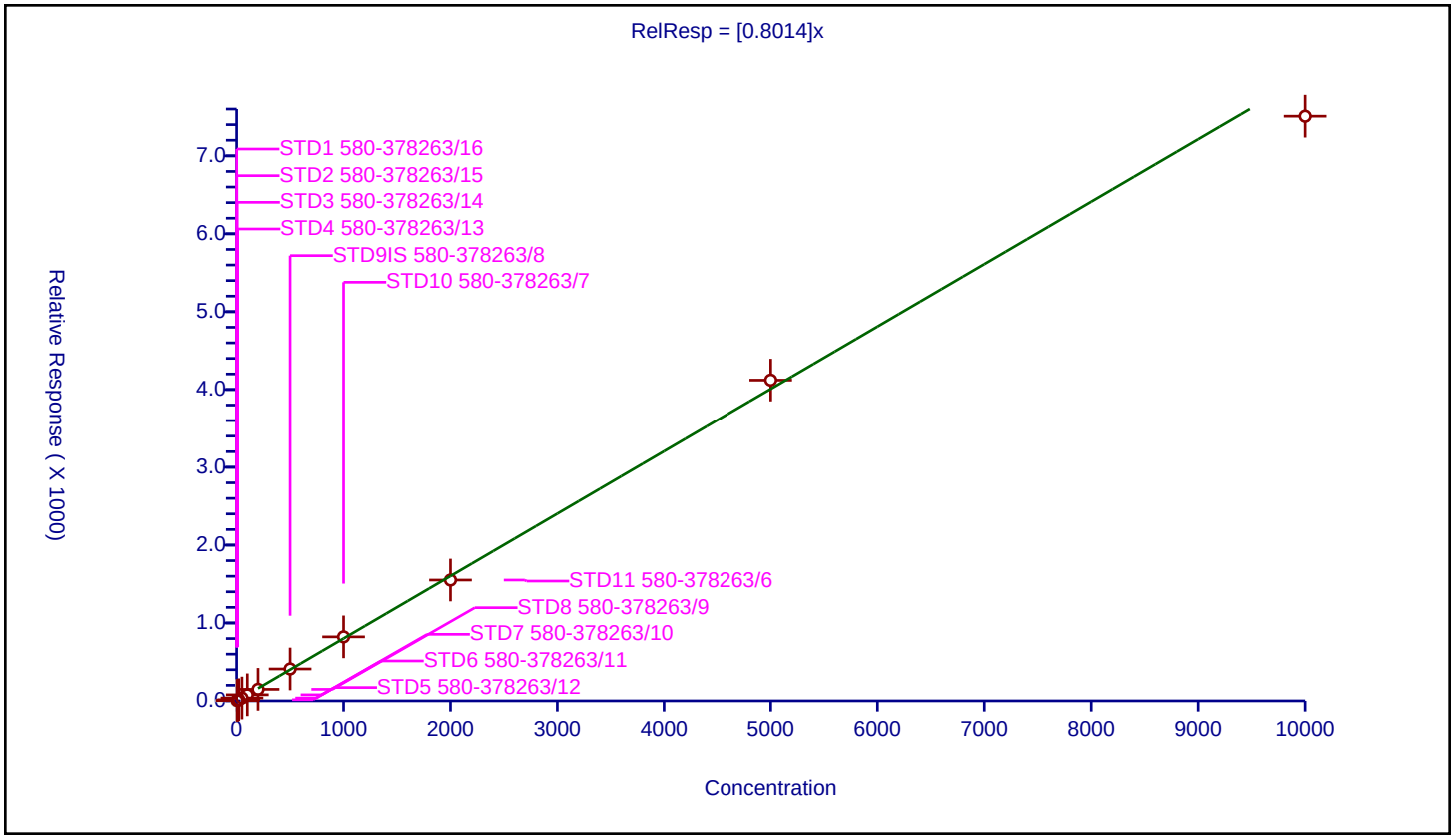
Curve Coefficients

Intercept:	0
Slope:	0.8014

Error Coefficients

Standard Error:	513000
Relative Standard Error:	9.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.988

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.517707	100.0	14232.0	1.517707	N
2	STD2 580-378263/15	2.0	2.474497	100.0	14508.0	1.237248	N
3	STD3 580-378263/14	5.0	4.988199	100.0	15677.0	0.99764	Y
4	STD4 580-378263/13	10.0	8.333333	100.0	14400.0	0.833333	Y
5	STD5 580-378263/12	20.0	14.757468	100.0	14596.0	0.737873	Y
6	STD6 580-378263/11	50.0	36.612281	100.0	14771.0	0.732246	Y
7	STD7 580-378263/10	100.0	78.254598	100.0	16638.0	0.782546	Y
8	STD8 580-378263/9	200.0	148.096468	100.0	18203.0	0.740482	Y
9	STD9IS 580-378263/8	500.0	409.626794	100.0	15675.0	0.819254	Y
10	STD10 580-378263/7	1000.0	821.879091	100.0	16806.0	0.821879	Y
11	STD11 580-378263/6	2000.0	1551.269036	100.0	17139.0	0.775635	Y
12	STD12 580-378263/5	5000.0	4121.101082	100.0	16729.0	0.82422	Y
13	STD13 580-378263/4	10000.0	7508.326836	100.0	19239.0	0.750833	Y



Calibration / Benzo[a]anthracene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

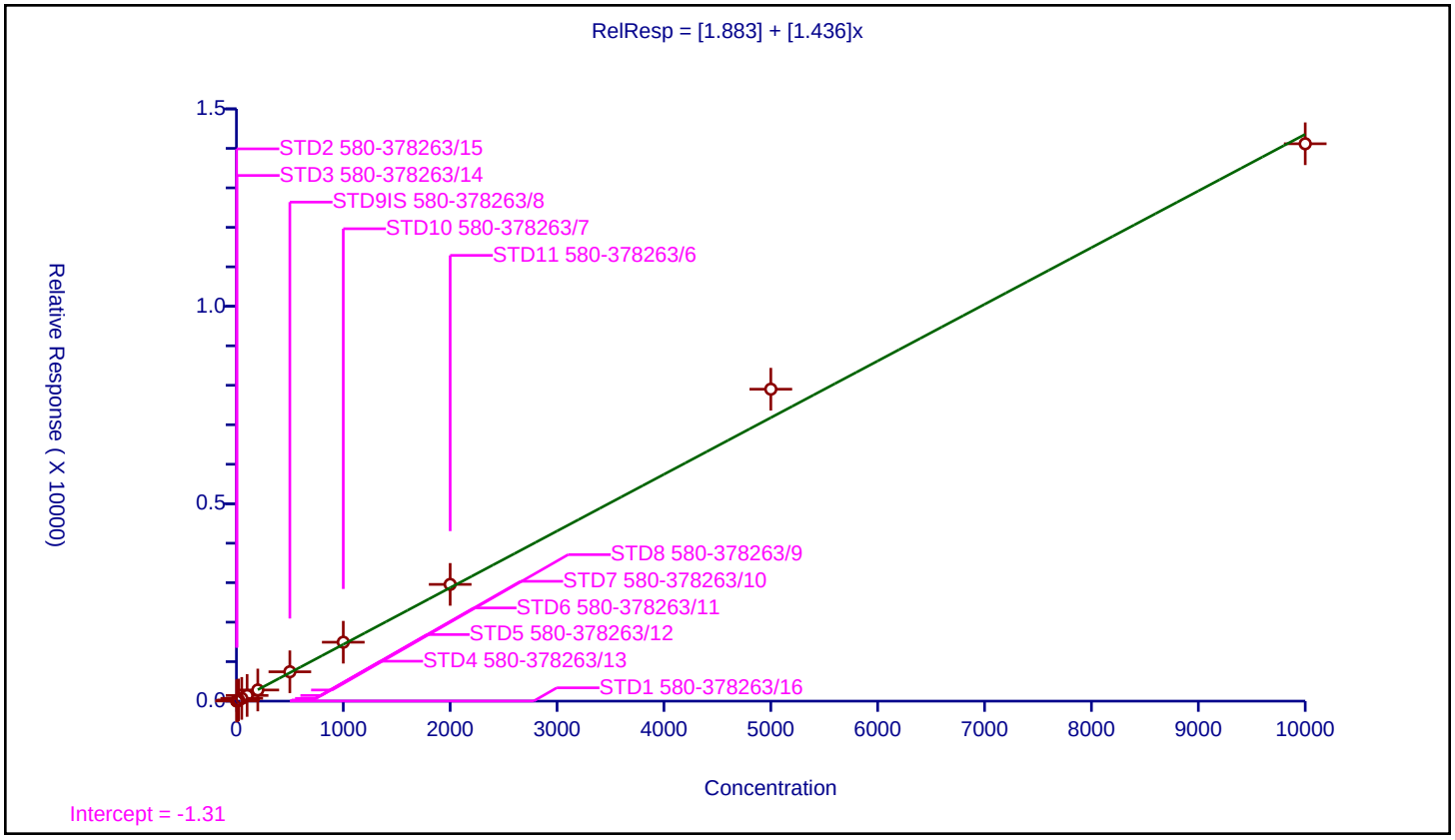
Curve Coefficients

Intercept:	1.883
Slope:	1.436

Error Coefficients

Standard Error:	797000
Relative Standard Error:	5.2
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	3.05314	100.0	10350.0	3.05314	N
2	STD2 580-378263/15	2.0	4.815291	100.0	10882.0	2.407646	Y
3	STD3 580-378263/14	5.0	9.098307	100.0	12288.0	1.819661	Y
4	STD4 580-378263/13	10.0	15.002684	100.0	11178.0	1.500268	Y
5	STD5 580-378263/12	20.0	29.572511	100.0	11088.0	1.478626	Y
6	STD6 580-378263/11	50.0	69.52967	100.0	11375.0	1.390593	Y
7	STD7 580-378263/10	100.0	144.30609	100.0	13251.0	1.443061	Y
8	STD8 580-378263/9	200.0	282.034863	100.0	14055.0	1.410174	Y
9	STD9IS 580-378263/8	500.0	743.802907	100.0	12522.0	1.487606	Y
10	STD10 580-378263/7	1000.0	1492.712461	100.0	13626.0	1.492712	Y
11	STD11 580-378263/6	2000.0	2956.666419	100.0	13463.0	1.478333	Y
12	STD12 580-378263/5	5000.0	7901.120891	100.0	13293.0	1.580224	Y
13	STD13 580-378263/4	10000.0	14117.149984	100.0	16035.0	1.411715	Y



Calibration / Chrysene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

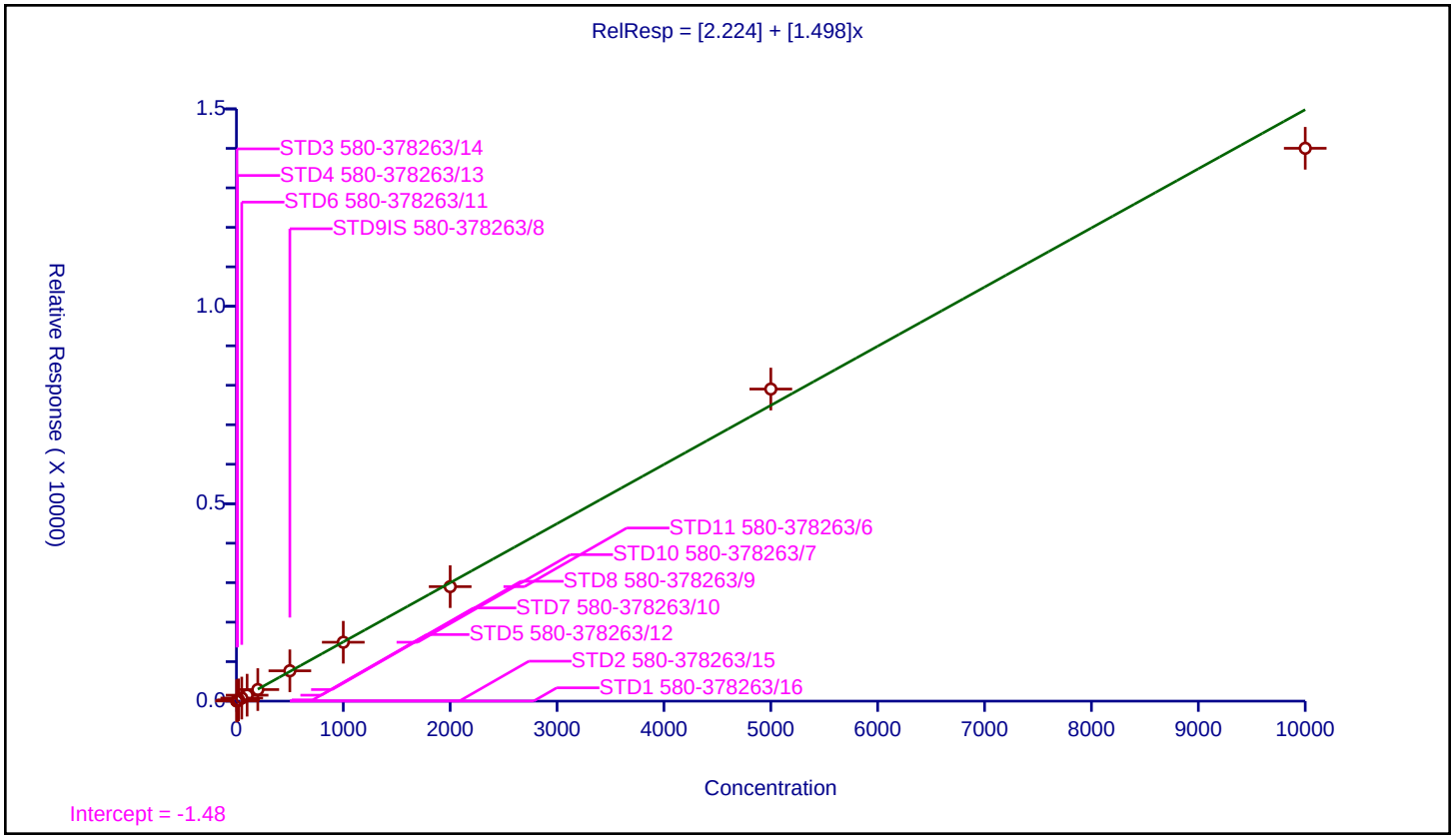
Curve Coefficients

Intercept:	2.224
Slope:	1.498

Error Coefficients

Standard Error:	792000
Relative Standard Error:	3.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.999

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	3.294686	100.0	10350.0	3.294686	N
2	STD2 580-378263/15	2.0	5.155302	100.0	10882.0	2.577651	Y
3	STD3 580-378263/14	5.0	9.936523	100.0	12288.0	1.987305	Y
4	STD4 580-378263/13	10.0	17.937019	100.0	11178.0	1.793702	Y
5	STD5 580-378263/12	20.0	32.160895	100.0	11088.0	1.608045	Y
6	STD6 580-378263/11	50.0	77.714286	100.0	11375.0	1.554286	Y
7	STD7 580-378263/10	100.0	150.554675	100.0	13251.0	1.505547	Y
8	STD8 580-378263/9	200.0	293.055852	100.0	14055.0	1.465279	Y
9	STD9IS 580-378263/8	500.0	768.351701	100.0	12522.0	1.536703	Y
10	STD10 580-378263/7	1000.0	1491.824453	100.0	13626.0	1.491824	Y
11	STD11 580-378263/6	2000.0	2899.858872	100.0	13463.0	1.449929	Y
12	STD12 580-378263/5	5000.0	7904.415858	100.0	13293.0	1.580883	Y
13	STD13 580-378263/4	10000.0	14002.625507	100.0	16035.0	1.400263	Y



Calibration / Bis(2-ethylhexyl) phthalate

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

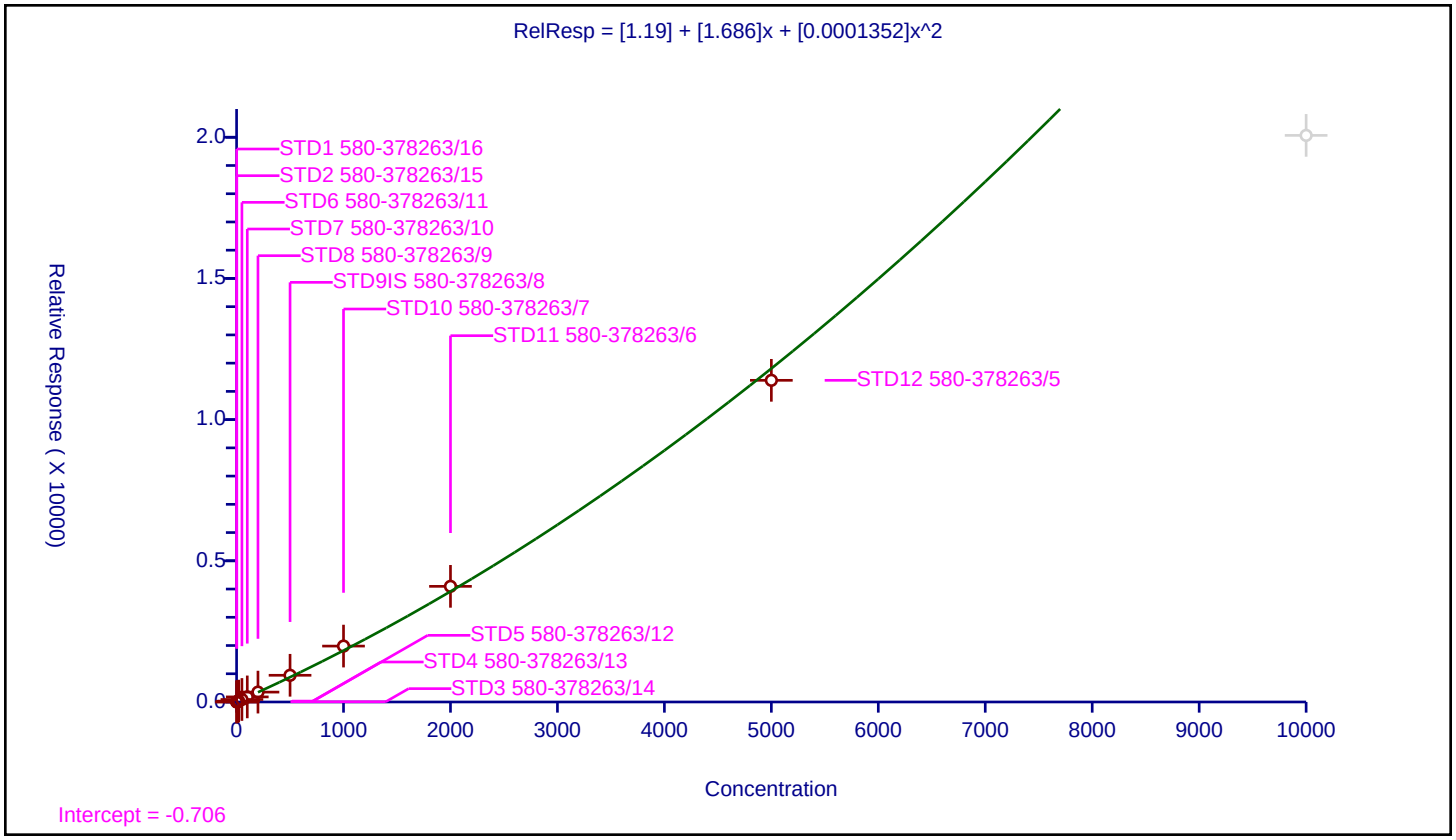
Curve Coefficients

Intercept:	1.19
Slope:	1.686
Second Order:	0.0001352

Error Coefficients

Standard Error:	542000
Relative Standard Error:	7.9
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.994

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.908213	100.0	10350.0	2.908213	Y
2	STD2 580-378263/15	2.0	4.677449	100.0	10882.0	2.338724	Y
3	STD3 580-378263/14	5.0	8.813477	100.0	12288.0	1.762695	Y
4	STD4 580-378263/13	10.0	15.691537	100.0	11178.0	1.569154	Y
5	STD5 580-378263/12	20.0	31.971501	100.0	11088.0	1.598575	Y
6	STD6 580-378263/11	50.0	87.903297	100.0	11375.0	1.758066	Y
7	STD7 580-378263/10	100.0	179.699645	100.0	13251.0	1.796996	Y
8	STD8 580-378263/9	200.0	349.697617	100.0	14055.0	1.748488	Y
9	STD9IS 580-378263/8	500.0	945.951126	100.0	12522.0	1.891902	Y
10	STD10 580-378263/7	1000.0	1979.847351	100.0	13626.0	1.979847	Y
11	STD11 580-378263/6	2000.0	4095.060536	100.0	13463.0	2.04753	Y
12	STD12 580-378263/5	5000.0	11392.161288	100.0	13293.0	2.278432	Y
13	STD13 580-378263/4	10000.0	20065.868413	100.0	16035.0	2.006587	N



Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

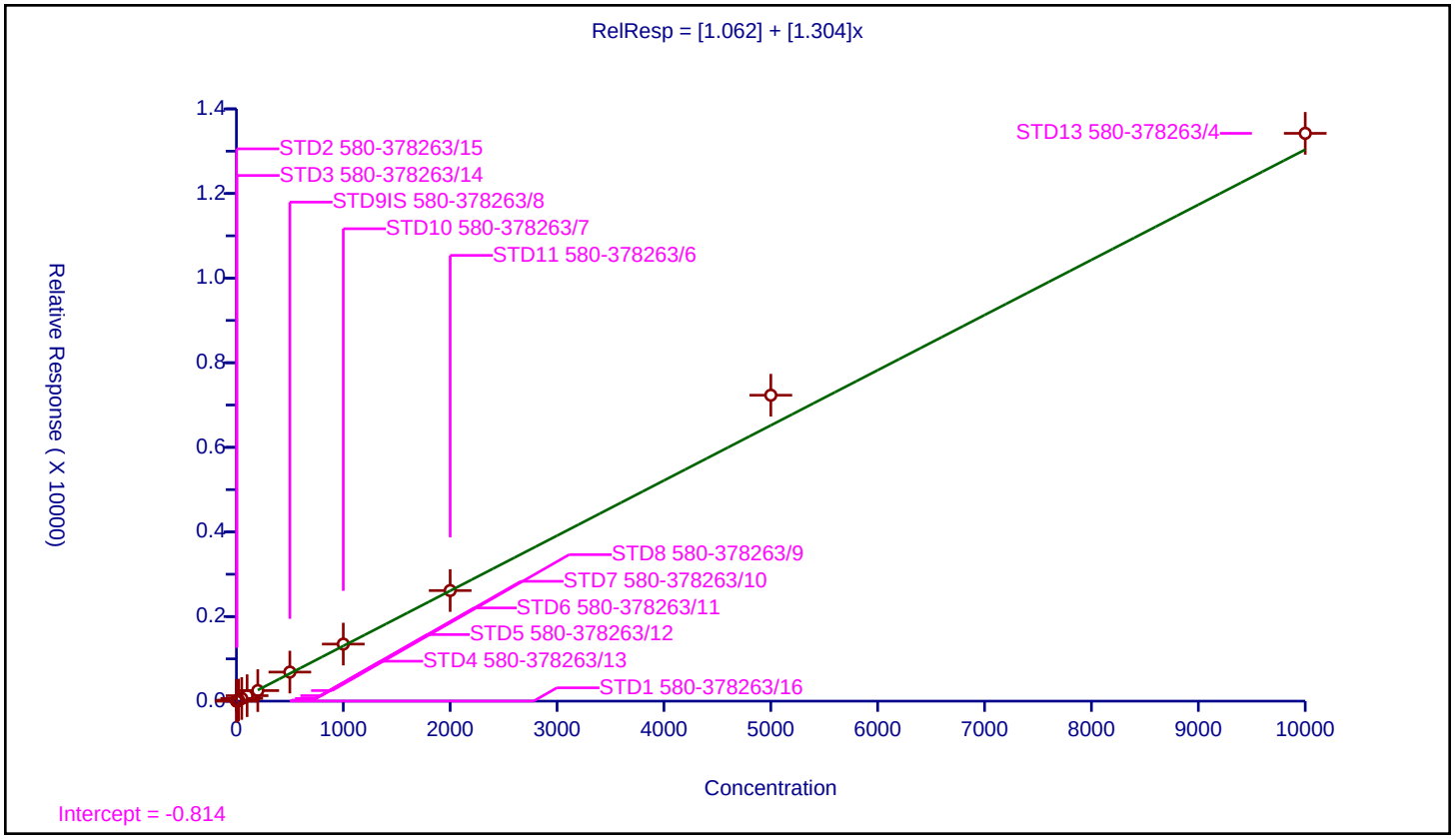
Curve Coefficients

Intercept:	1.062
Slope:	1.304

Error Coefficients

Standard Error:	819000
Relative Standard Error:	5.6
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.358374	100.0	12127.0	2.358374	Y
2	STD2 580-378263/15	2.0	3.753249	100.0	13082.0	1.876624	Y
3	STD3 580-378263/14	5.0	7.645847	100.0	14073.0	1.529169	Y
4	STD4 580-378263/13	10.0	13.045193	100.0	12679.0	1.304519	Y
5	STD5 580-378263/12	20.0	25.354691	100.0	13110.0	1.267735	Y
6	STD6 580-378263/11	50.0	62.722674	100.0	13641.0	1.254453	Y
7	STD7 580-378263/10	100.0	129.334787	100.0	15589.0	1.293348	Y
8	STD8 580-378263/9	200.0	249.883378	100.0	16292.0	1.249417	Y
9	STD9IS 580-378263/8	500.0	687.183267	100.0	14247.0	1.374367	Y
10	STD10 580-378263/7	1000.0	1349.145464	100.0	15564.0	1.349145	Y
11	STD11 580-378263/6	2000.0	2614.44828	100.0	15642.0	1.307224	Y
12	STD12 580-378263/5	5000.0	7231.841049	100.0	15703.0	1.446368	Y
13	STD13 580-378263/4	10000.0	13421.940487	100.0	18181.0	1.342194	Y



Calibration / Benzo[k]fluoranthene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

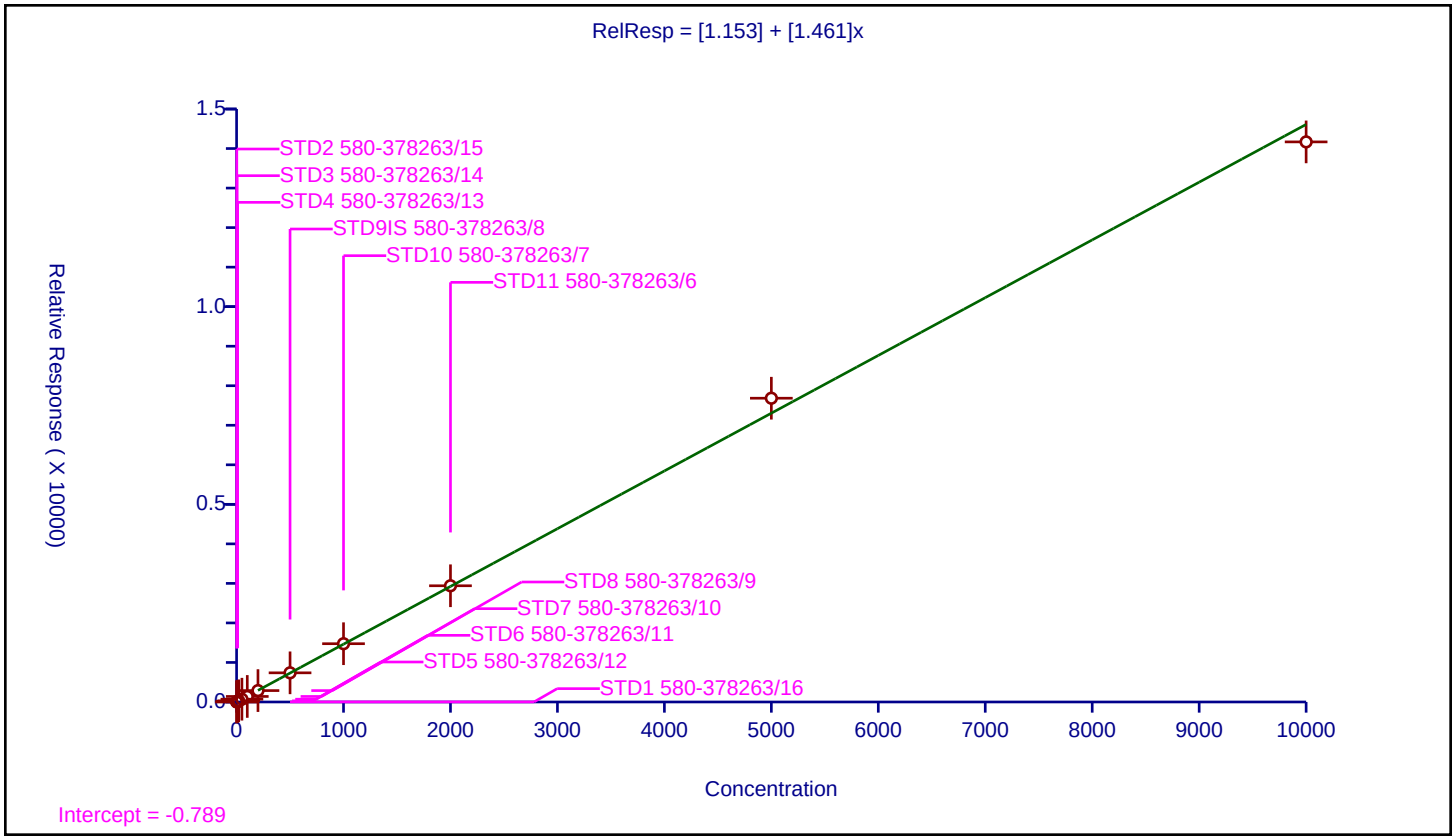
Curve Coefficients

Intercept:	1.153
Slope:	1.461

Error Coefficients

Standard Error:	867000
Relative Standard Error:	4.4
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.998

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.581018	100.0	12127.0	2.581018	Y
2	STD2 580-378263/15	2.0	4.127809	100.0	13082.0	2.063905	Y
3	STD3 580-378263/14	5.0	8.796987	100.0	14073.0	1.759397	Y
4	STD4 580-378263/13	10.0	16.925625	100.0	12679.0	1.692563	Y
5	STD5 580-378263/12	20.0	29.084668	100.0	13110.0	1.454233	Y
6	STD6 580-378263/11	50.0	70.18547	100.0	13641.0	1.403709	Y
7	STD7 580-378263/10	100.0	140.028225	100.0	15589.0	1.400282	Y
8	STD8 580-378263/9	200.0	288.092315	100.0	16292.0	1.440462	Y
9	STD9IS 580-378263/8	500.0	737.783393	100.0	14247.0	1.475567	Y
10	STD10 580-378263/7	1000.0	1474.569519	100.0	15564.0	1.47457	Y
11	STD11 580-378263/6	2000.0	2939.867025	100.0	15642.0	1.469934	Y
12	STD12 580-378263/5	5000.0	7684.506145	100.0	15703.0	1.536901	Y
13	STD13 580-378263/4	10000.0	14167.933557	100.0	18181.0	1.416793	Y



Calibration / Benzo[a]pyrene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

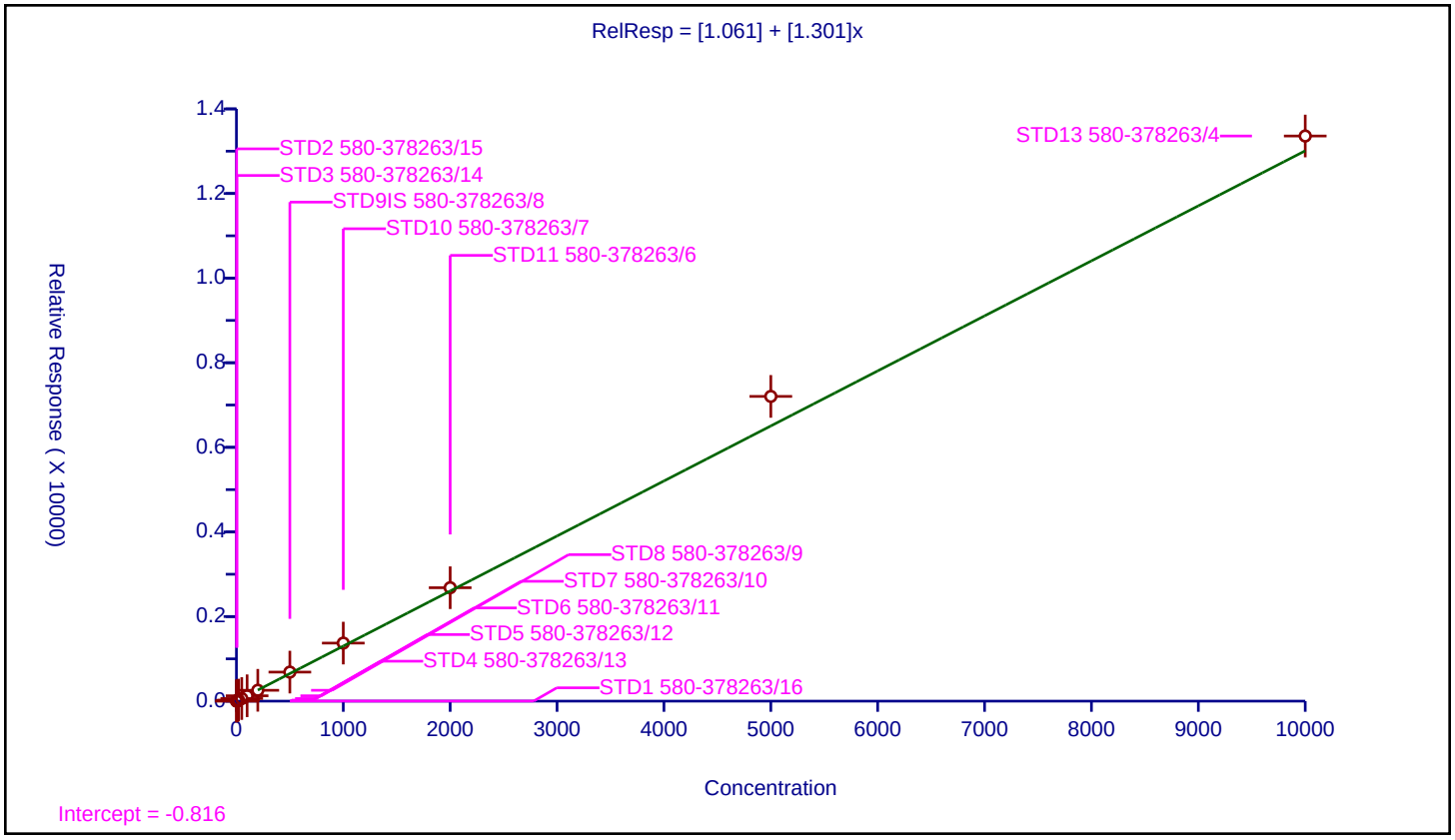
Curve Coefficients

Intercept:	1.061
Slope:	1.301

Error Coefficients

Standard Error:	816000
Relative Standard Error:	6.7
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.995

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.350128	100.0	12127.0	2.350128	Y
2	STD2 580-378263/15	2.0	3.776181	100.0	13082.0	1.888091	Y
3	STD3 580-378263/14	5.0	7.731116	100.0	14073.0	1.546223	Y
4	STD4 580-378263/13	10.0	12.619292	100.0	12679.0	1.261929	Y
5	STD5 580-378263/12	20.0	24.645309	100.0	13110.0	1.232265	Y
6	STD6 580-378263/11	50.0	61.183198	100.0	13641.0	1.223664	Y
7	STD7 580-378263/10	100.0	126.794535	100.0	15589.0	1.267945	Y
8	STD8 580-378263/9	200.0	256.432605	100.0	16292.0	1.282163	Y
9	STD9IS 580-378263/8	500.0	686.614726	100.0	14247.0	1.373229	Y
10	STD10 580-378263/7	1000.0	1372.384991	100.0	15564.0	1.372385	Y
11	STD11 580-378263/6	2000.0	2681.293952	100.0	15642.0	1.340647	Y
12	STD12 580-378263/5	5000.0	7203.62988	100.0	15703.0	1.440726	Y
13	STD13 580-378263/4	10000.0	13359.160662	100.0	18181.0	1.335916	Y



Calibration / Indeno[1,2,3-cd]pyrene

Curve Type:	Quadratic
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

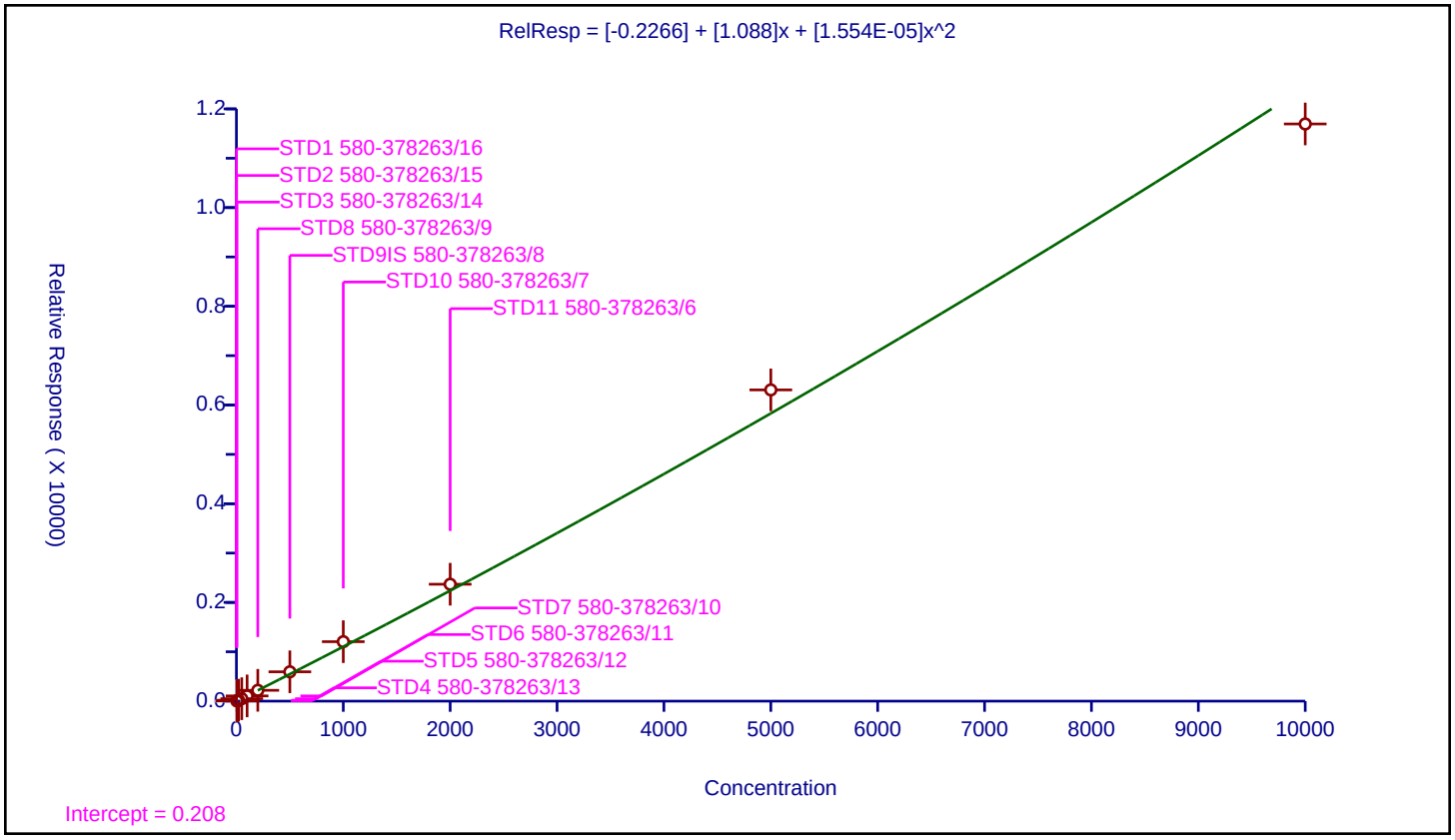
Curve Coefficients

Intercept:	-0.2266
Slope:	1.088
Second Order:	1.554E-05

Error Coefficients

Standard Error:	838000
Relative Standard Error:	9.6
Correlation Coefficient:	1.000
Coefficient of Determination (Adjusted):	0.991

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	1.599736	100.0	12127.0	1.599736	N
2	STD2 580-378263/15	2.0	2.790093	100.0	13082.0	1.395047	N
3	STD3 580-378263/14	5.0	5.713068	100.0	14073.0	1.142614	Y
4	STD4 580-378263/13	10.0	9.653758	100.0	12679.0	0.965376	Y
5	STD5 580-378263/12	20.0	18.360031	100.0	13110.0	0.918002	Y
6	STD6 580-378263/11	50.0	49.336559	100.0	13641.0	0.986731	Y
7	STD7 580-378263/10	100.0	105.895183	100.0	15589.0	1.058952	Y
8	STD8 580-378263/9	200.0	219.52492	100.0	16292.0	1.097625	Y
9	STD9IS 580-378263/8	500.0	594.265459	100.0	14247.0	1.188531	Y
10	STD10 580-378263/7	1000.0	1204.619635	100.0	15564.0	1.20462	Y
11	STD11 580-378263/6	2000.0	2368.987342	100.0	15642.0	1.184494	Y
12	STD12 580-378263/5	5000.0	6306.113482	100.0	15703.0	1.261223	Y
13	STD13 580-378263/4	10000.0	11694.400748	100.0	18181.0	1.16944	Y



Calibration / Dibenz(a,h)anthracene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

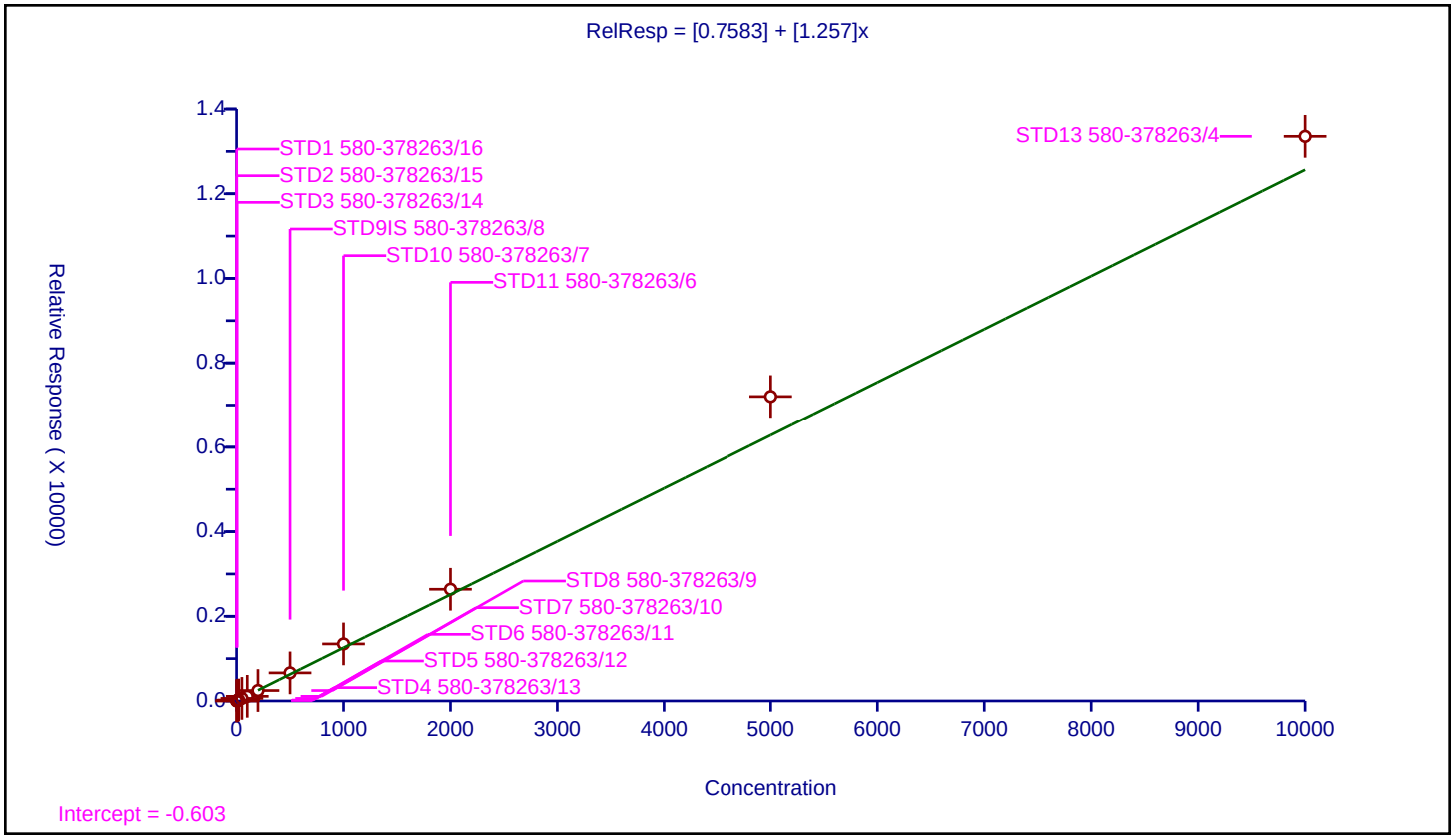
Curve Coefficients

Intercept:	0.7583
Slope:	1.257

Error Coefficients

Standard Error:	816000
Relative Standard Error:	8.8
Correlation Coefficient:	0.998
Coefficient of Determination (Adjusted):	0.992

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.028531	100.0	12127.0	2.028531	Y
2	STD2 580-378263/15	2.0	3.279315	100.0	13082.0	1.639658	Y
3	STD3 580-378263/14	5.0	7.247922	100.0	14073.0	1.449584	Y
4	STD4 580-378263/13	10.0	12.019875	100.0	12679.0	1.201988	Y
5	STD5 580-378263/12	20.0	22.52479	100.0	13110.0	1.12624	Y
6	STD6 580-378263/11	50.0	60.970603	100.0	13641.0	1.219412	Y
7	STD7 580-378263/10	100.0	110.071204	100.0	15589.0	1.100712	Y
8	STD8 580-378263/9	200.0	246.525902	100.0	16292.0	1.23263	Y
9	STD9IS 580-378263/8	500.0	663.086966	100.0	14247.0	1.326174	Y
10	STD10 580-378263/7	1000.0	1347.102287	100.0	15564.0	1.347102	Y
11	STD11 580-378263/6	2000.0	2638.396624	100.0	15642.0	1.319198	Y
12	STD12 580-378263/5	5000.0	7203.693562	100.0	15703.0	1.440739	Y
13	STD13 580-378263/4	10000.0	13355.227985	100.0	18181.0	1.335523	Y



Calibration / Benzo[g,h,i]perylene

Curve Type:	Linear
Weighting:	Conc_Sq
Origin:	None
Dependency:	Response
Calib Mode:	ISTD
Response Base:	AREA
RF Rounding:	0

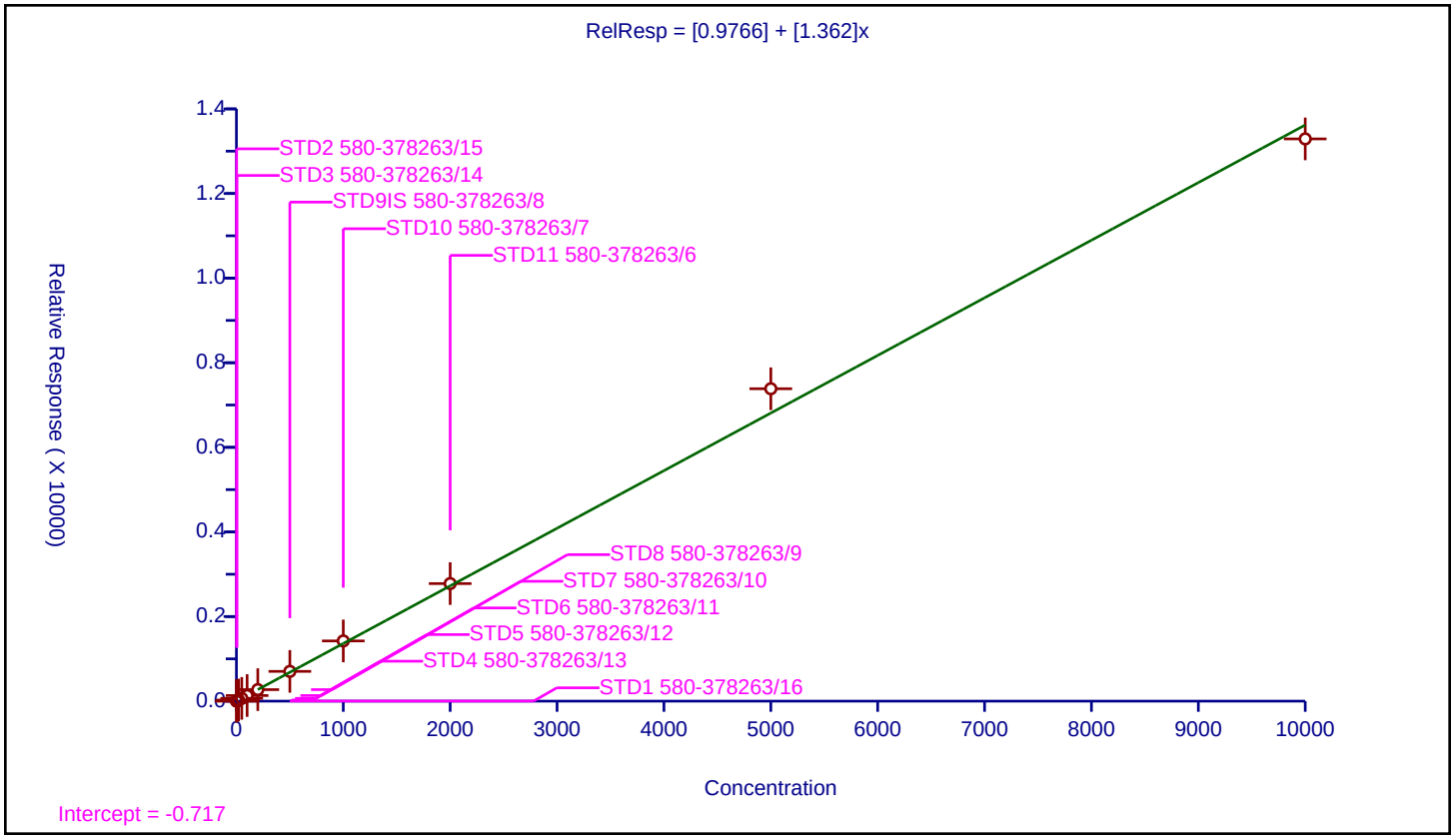
Curve Coefficients

Intercept:	0.9766
Slope:	1.362

Error Coefficients

Standard Error:	817000
Relative Standard Error:	5.0
Correlation Coefficient:	0.999
Coefficient of Determination (Adjusted):	0.997

ID	Level	Concentration	Rel. Resp.	IS Amount	IS Response	RRF	Used
1	STD1 580-378263/16	1.0	2.317144	100.0	12127.0	2.317144	Y
2	STD2 580-378263/15	2.0	3.799113	100.0	13082.0	1.899557	Y
3	STD3 580-378263/14	5.0	8.086407	100.0	14073.0	1.617281	Y
4	STD4 580-378263/13	10.0	13.605174	100.0	12679.0	1.360517	Y
5	STD5 580-378263/12	20.0	26.651411	100.0	13110.0	1.332571	Y
6	STD6 580-378263/11	50.0	65.486401	100.0	13641.0	1.309728	Y
7	STD7 580-378263/10	100.0	132.247097	100.0	15589.0	1.322471	Y
8	STD8 580-378263/9	200.0	272.507979	100.0	16292.0	1.36254	Y
9	STD9IS 580-378263/8	500.0	703.748158	100.0	14247.0	1.407496	Y
10	STD10 580-378263/7	1000.0	1423.207402	100.0	15564.0	1.423207	Y
11	STD11 580-378263/6	2000.0	2778.800665	100.0	15642.0	1.3894	Y
12	STD12 580-378263/5	5000.0	7384.70356	100.0	15703.0	1.476941	Y
13	STD13 580-378263/4	10000.0	13290.710082	100.0	18181.0	1.329071	Y



FORM VI
RESOLUTION CHECK SUMMARY

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab Sample ID (1): CCVIS 580-383161/3 Instrument ID (1): TAC050

GC Column (1): ZB-SV ID: 0.25(mm) Date Analyzed (1): 03/08/2022 11:50

ANALYTE	RT	RESOLUTION (%)
Benzo[b]fluoranthene	12.50	52.10

Resolution Report

Eurofins Seattle

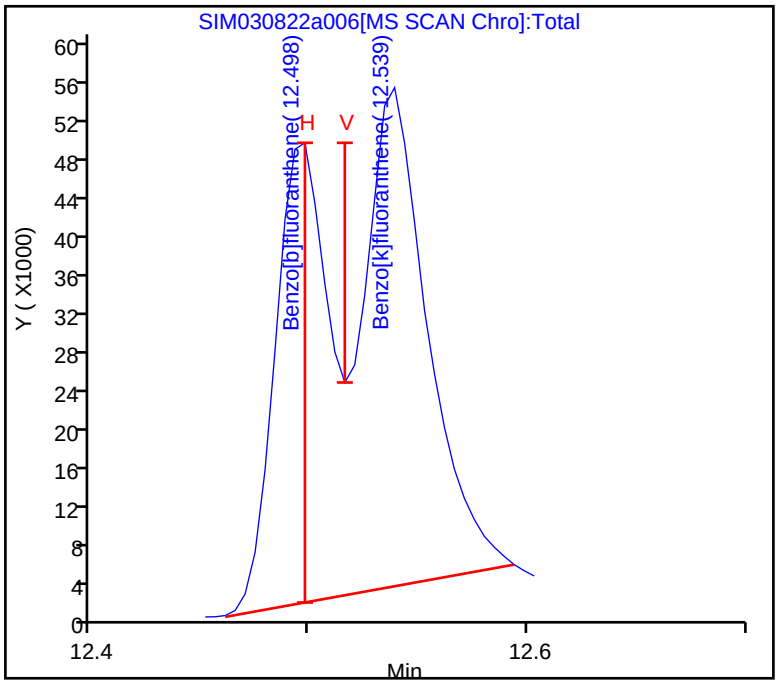
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a006.D
Injection Date: 08-Mar-2022 11:50:30 Instrument ID: TAC050
Lims ID: CCVIS
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

24 Benzo[b]fluoranthene - 25 Benzo[k]fluoranthene

CLP Method

%Resolution = (V/H) * 100
V(Valley Height) = 24637
H(Smaller Peak Height) = 47255

%Resolution = 52.1, Min. Resolution > 25.0
Passed



FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab Sample ID: ICV 580-378263/18 Calibration Date: 01/14/2022 05:42

Instrument ID: TAC050 Calib Start Date: 01/14/2022 01:16

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/14/2022 05:04

Lab File ID: SIM011322b028.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.058	1.007	0.7000	952	1000	-4.8	20.0
2-Methylnaphthalene	Ave	0.5998	0.5457	0.4000	910	1000	-9.0	20.0
1-Methylnaphthalene	Ave	0.5810	0.5330	0.1000	917	1000	-8.3	20.0
Acenaphthylene	Ave	2.114	2.031	0.9000	961	1000	-3.9	20.0
Acenaphthene	Ave	1.327	1.304	0.9000	983	1000	-1.7	20.0
Fluorene	Ave	1.479	1.471	0.9000	995	1000	-0.5	20.0
Pentachlorophenol	Qua2		0.1481	0.0500	2040	2000	1.8	20.0
Phenanthrene	Lin2		1.270	0.7000	1010	1000	1.0	20.0
Anthracene	Lin2		1.275	0.7000	1000	1000	0.4	20.0
Fluoranthene	Lin2		1.256	0.6000	1010	1000	1.1	20.0
Pyrene	Lin2		1.328	0.6000	1010	1000	1.5	20.0
Benzo[a]anthracene	Lin2		1.464	0.8000	1020	1000	1.9	20.0
Chrysene	Lin2		1.493	0.7000	996	1000	-0.4	20.0
Bis(2-ethylhexyl) phthalate	Qua2		1.780	0.0100	978	1000	-2.2	20.0
Benzo[b]fluoranthene	Lin2		1.349	0.7000	1030	1000	3.4	20.0
Benzo[k]fluoranthene	Lin2		1.500	0.7000	1030	1000	2.6	20.0
Benzo[a]pyrene	Lin2		1.374	0.7000	1060	1000	5.5	20.0
Indeno[1,2,3-cd]pyrene	Qua2		1.131	0.5000	1020	1000	2.4	20.0
Dibenz(a,h)anthracene	Lin2		1.281	0.4000	1020	1000	1.9	20.0
Benzo[g,h,i]perylene	Lin2		1.378	0.5000	1010	1000	1.1	20.0
2-methylnaphthalene-d10	Ave	0.5916	0.5528		934	1000	-6.6	20.0
2-Fluorobiphenyl	Ave	1.600	1.469		918	1000	-8.2	20.0
2,4,6-Tribromophenol	Qua1		0.2598		945	1000	-5.5	20.0
Fluoranthene-d10 (Surr)	Lin2		1.001		969	1000	-3.1	20.0
Terphenyl-d14	Ave	0.8014	0.7713		962	1000	-3.8	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D
Lims ID: ICV
Client ID:
Sample Type: ICV
Inject. Date: 14-Jan-2022 05:42:30 ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: icv
Operator ID: jcm Instrument ID: TAC050
Sublist:

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:42:24 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 10:32:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	19239	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.854	0.000	70	9013	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.319	0.001	56	13922	100.0	100.0	
* 4 Chrysene-d12	240	11.030	11.030	0.000	75	11197	100.0	100.0	
* 5 Perylene-d12	264	13.075	13.074	0.000	69	12527	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	106359	1000.0	934.5	
$ 10 2-Fluorobiphenyl	172	6.190	6.190	0.000	0	132367	1000.0	917.8	
$ 7 2,4,6-Tribromophenol	330	7.628	7.628	0.000	58	23413	1000.0	944.8	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.502	0.000	69	139357	1000.0	968.9	
$ 9 Terphenyl-d14	244	9.896	9.896	0.000	95	107374	1000.0	962.3	
11 Naphthalene	128	5.189	5.189	0.000	100	193644	1000.0	951.7	
12 2-Methylnaphthalene	141	5.841	5.841	0.000	96	104994	1000.0	909.8	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	98	102546	1000.0	917.4	
14 Acenaphthylene	152	6.717	6.717	0.000	100	183034	1000.0	960.6	
15 Acenaphthene	153	6.885	6.884	0.001	97	117557	1000.0	983.1	
16 Fluorene	166	7.394	7.389	0.005	93	132613	1000.0	994.8	
17 Pentachlorophenol	266	8.126	8.126	0.000	98	33157	2000.0	2035.3	
18 Phenanthrene	178	8.342	8.342	0.000	100	176875	1000.0	1010.5	
19 Anthracene	178	8.393	8.389	0.004	100	177512	1000.0	1003.8	
20 Fluoranthene	202	9.522	9.522	0.000	56	174864	1000.0	1011.1	
21 Pyrene	202	9.746	9.746	0.000	52	184839	1000.0	1014.5	
22 Benzo[a]anthracene	228	11.012	11.012	0.000	95	163943	1000.0	1018.6	M
23 Chrysene	228	11.058	11.057	0.001	99	167226	1000.0	995.6	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	199292	1000.0	978.3	Ma
24 Benzo[b]fluoranthene	252	12.470	12.470	0.000	98	168933	1000.0	1033.6	a
25 Benzo[k]fluoranthene	252	12.516	12.511	0.005	95	187859	1000.0	1025.7	
26 Benzo[a]pyrene	252	12.983	12.983	0.000	97	172065	1000.0	1055.1	
27 Indeno[1,2,3-cd]pyrene	276	14.941	14.935	0.006	96	141658	1000.0	1024.2	
28 Dibenz(a,h)anthracene	278	14.984	14.984	0.000	96	160457	1000.0	1018.8	
29 Benzo[g,h,i]perylene	276	15.429	15.429	0.000	95	172648	1000.0	1011.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

icv_8270_1000_00014 Amount Added: 1.00 Units: mL

Report Date: 14-Jan-2022 15:43:28 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D

Injection Date: 14-Jan-2022 05:42:30 Instrument ID: TAC050

Lims ID: ICV

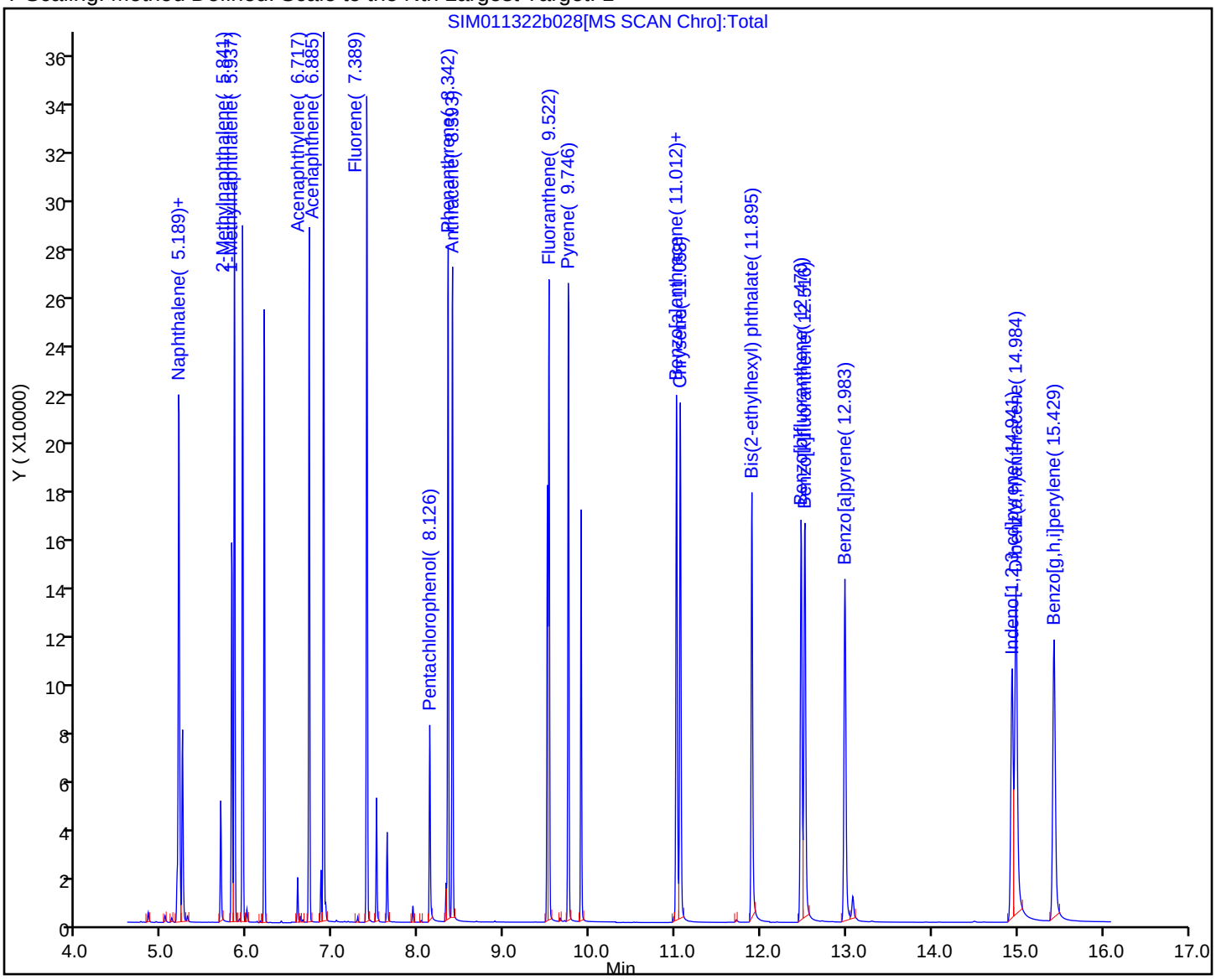
Client ID:

Operator ID: jcm ALS Bottle#: 18 Worklist Smp#: 18

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

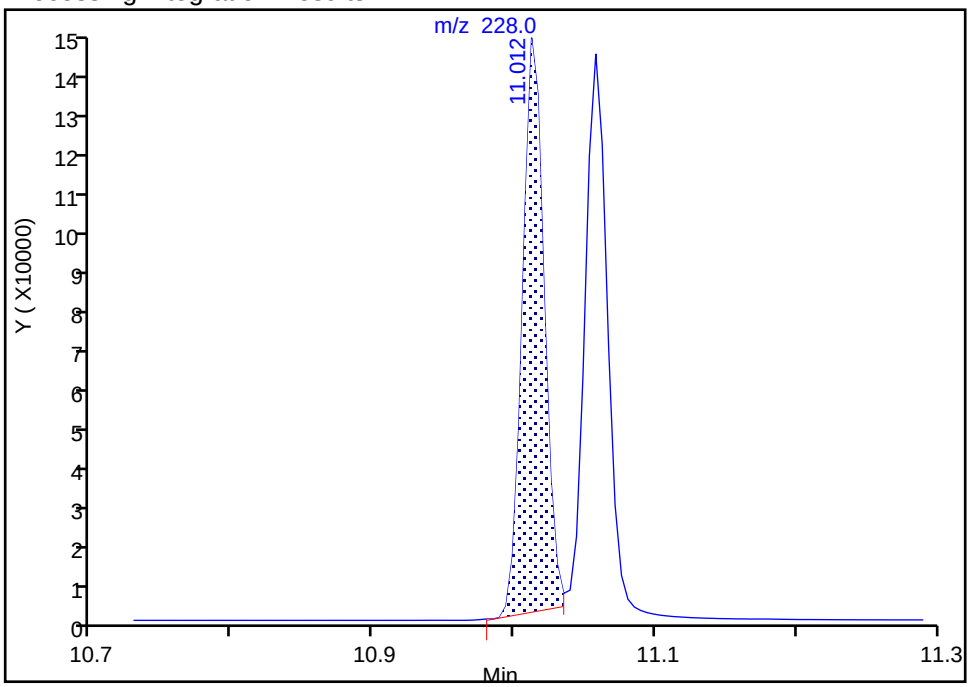
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D				
Injection Date:	14-Jan-2022 05:42:30	Instrument ID:	TAC050		
Lims ID:	ICV				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

22 Benzo[a]anthracene, CAS: 56-55-3

Signal: 1

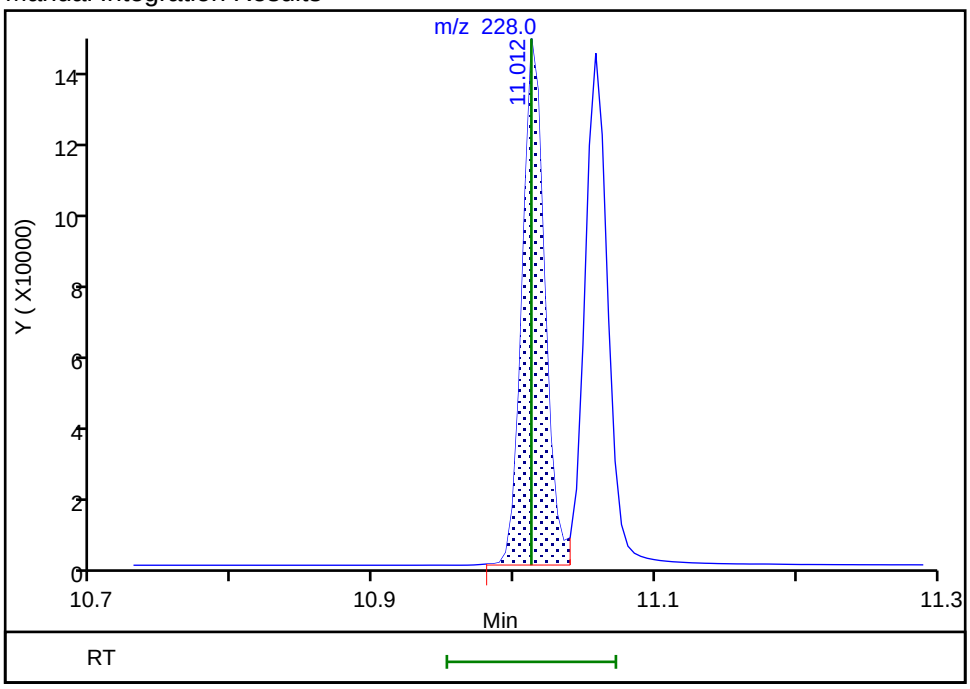
Processing Integration Results

RT: 11.01
Area: 156356
Amount: 971.4247
Amount Units: ug/L



Manual Integration Results

RT: 11.01
Area: 163943
Amount: 1018.6257
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 15:39:00

Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

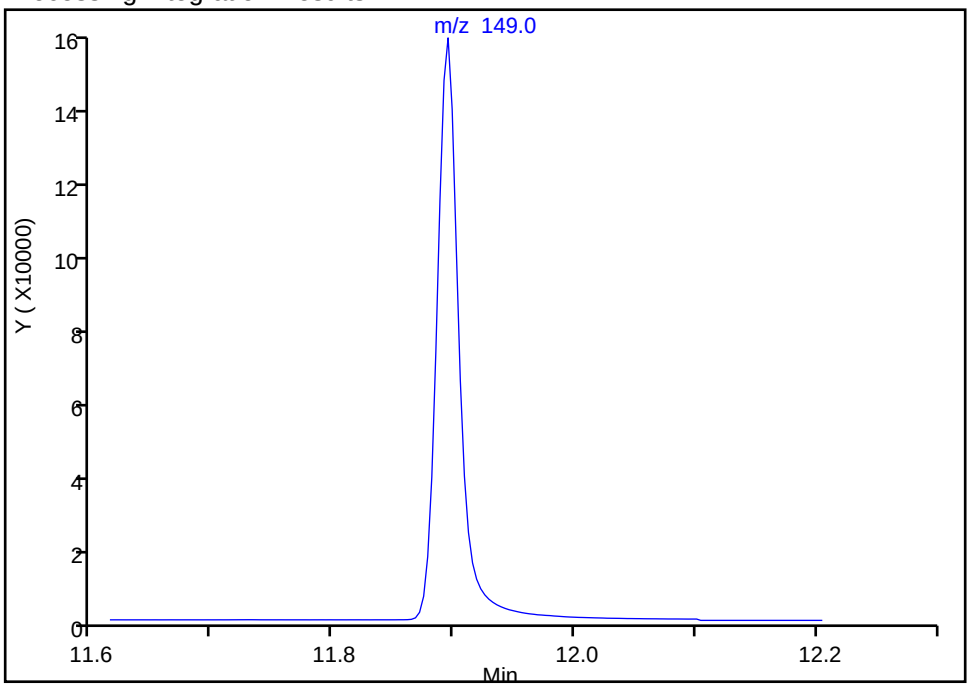
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D
Injection Date: 14-Jan-2022 05:42:30 Instrument ID: TAC050
Lims ID: ICV
Client ID:
Operator ID: jcm ALS Bottle#: 18 Worklist Smp#: 18
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

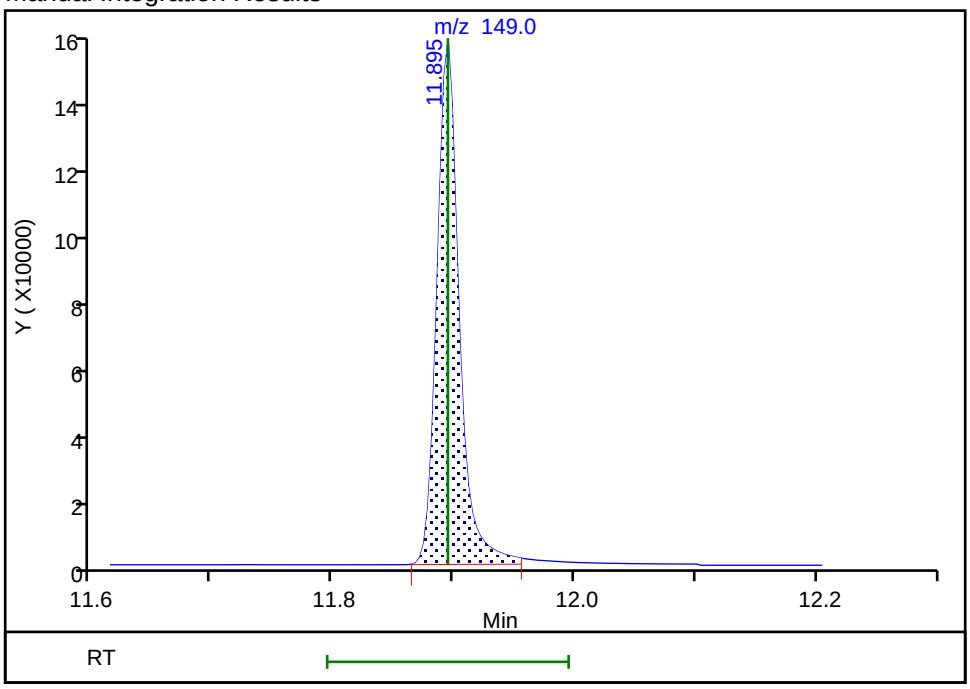
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 199292
Amount: 978.3341
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 15:39:14
Audit Action: Manually Integrated Audit Reason: Incomplete Integration

Manual Integration/User Assign Peak Report

Eurofins Seattle

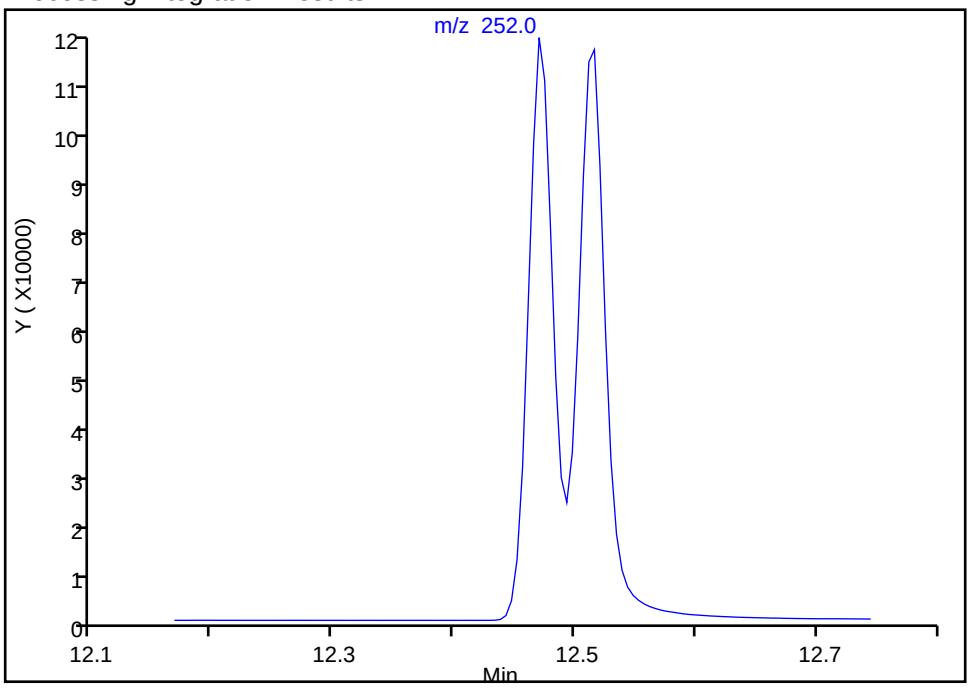
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b028.D				
Injection Date:	14-Jan-2022 05:42:30	Instrument ID:	TAC050		
Lims ID:	ICV				
Client ID:					
Operator ID:	jcm	ALS Bottle#:	18	Worklist Smp#:	18
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

24 Benzo[b]fluoranthene, CAS: 205-99-2

Signal: 1

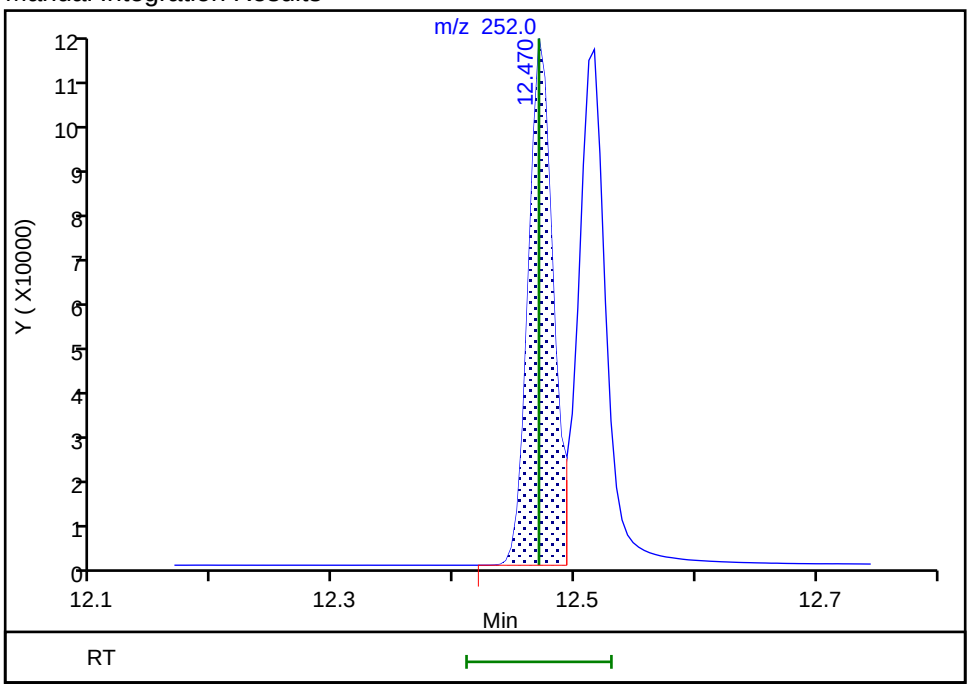
Not Detected
Expected RT: 12.47

Processing Integration Results



Manual Integration Results

RT: 12.47
Area: 168933
Amount: 1033.6214
Amount Units: ug/L



Reviewer: boylea, 14-Jan-2022 15:39:17
Audit Action: Assigned Compound ID Audit Reason: Incomplete Integration

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVIS 580-383161/3 Calibration Date: 03/08/2022 11:50

Instrument ID: TAC050 Calib Start Date: 01/14/2022 01:16

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/14/2022 05:04

Lab File ID: SIM030822a006.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.058	1.012	0.7000	478	500	-4.3	20.0
2-Methylnaphthalene	Ave	0.5998	0.5419	0.4000	452	500	-9.7	20.0
1-Methylnaphthalene	Ave	0.5810	0.5200	0.1000	448	500	-10.5	20.0
Acenaphthylene	Ave	2.114	2.004	0.9000	474	500	-5.2	20.0
Acenaphthene	Ave	1.327	1.298	0.9000	489	500	-2.1	20.0
Fluorene	Ave	1.479	1.583	0.9000	535	500	7.0	20.0
Pentachlorophenol	Qua2		0.1088	0.0500	956	1000	-4.4	20.0
Phenanthrene	Lin2		1.195	0.7000	474	500	-5.1	20.0
Anthracene	Lin2		1.386	0.7000	545	500	9.0	20.0
Fluoranthene	Lin2		1.318	0.6000	530	500	5.9	20.0
Pyrene	Lin2		1.375	0.6000	525	500	5.0	20.0
Benzo[a]anthracene	Lin2		1.255	0.8000	436	500	-12.9	20.0
Chrysene	Lin2		1.601	0.7000	533	500	6.6	20.0
Bis(2-ethylhexyl) phthalate	Qua2		1.530	0.0100	438	500	-12.5	20.0
Benzo[b]fluoranthene	Lin2		1.113	0.7000	426	500	-14.8	20.0
Benzo[k]fluoranthene	Lin2		1.436	0.7000	491	500	-1.9	20.0
Benzo[a]pyrene	Lin2		1.359	0.7000	522	500	4.3	20.0
Indeno[1,2,3-cd]pyrene	Qua2		0.9180	0.5000	419	500	-16.1	20.0
Dibenz(a,h)anthracene	Lin2		1.230	0.4000	489	500	-2.2	20.0
Benzo[g,h,i]perylene	Lin2		1.412	0.5000	518	500	3.5	20.0
2-methylnaphthalene-d10	Ave	0.5916	0.5557		470	500	-6.1	20.0
2-Fluorobiphenyl	Ave	1.600	1.506		471	500	-5.9	20.0
2,4,6-Tribromophenol	Qua1		0.2790		518	500	3.6	20.0
Fluoranthene-d10 (Surr)	Lin2		1.098		531	500	6.2	20.0
Terphenyl-d14	Ave	0.8014	0.8092		505	500	1.0	20.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a006.D
Lims ID: CCVIS
Client ID:
Sample Type: CCVIS
Inject. Date: 08-Mar-2022 11:50:30 ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: CCVIS
Operator ID: tl Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 08-Mar-2022 12:27:31 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 12:27:31

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	17961	100.0	100.0	
* 2 Acenaphthene-d10	164	6.858	6.858	0.000	71	7693	100.0	100.0	
* 3 Phenanthrene-d10	188	8.326	8.326	0.000	56	12701	100.0	100.0	
* 4 Chrysene-d12	240	11.044	11.044	0.000	52	10609	100.0	100.0	
* 5 Perylene-d12	264	13.111	13.111	0.000	69	11020	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	49907	500.0	469.7	
$ 10 2-Fluorobiphenyl	172	6.193	6.193	0.000	0	57925	500.0	470.5	Ma
$ 7 2,4,6-Tribromophenol	330	7.646	7.646	0.000	56	10733	500.0	518.0	
$ 8 Fluoranthene-d10 (Surr)	212	9.514	9.514	0.000	68	69716	500.0	530.8	
$ 9 Terphenyl-d14	244	9.908	9.908	0.000	95	51388	500.0	504.8	
11 Naphthalene	128	5.189	5.189	0.000	100	90897	500.0	478.5	
12 2-Methylnaphthalene	141	5.841	5.841	0.000	95	48667	500.0	451.7	
13 1-Methylnaphthalene	141	5.937	5.937	0.000	97	46700	500.0	447.5	
14 Acenaphthylene	152	6.717	6.717	0.000	100	77065	500.0	473.8	
15 Acenaphthene	153	6.884	6.884	0.000	94	49942	500.0	489.3	
16 Fluorene	166	7.394	7.394	0.000	96	60900	500.0	535.2	
17 Pentachlorophenol	266	8.154	8.154	0.000	98	11546	1000.0	955.8	
18 Phenanthrene	178	8.350	8.350	0.000	100	75866	500.0	474.5	
19 Anthracene	178	8.401	8.401	0.000	100	87999	500.0	545.0	
20 Fluoranthene	202	9.534	9.534	0.000	55	83668	500.0	529.7	
21 Pyrene	202	9.758	9.758	0.000	52	87324	500.0	524.8	
22 Benzo[a]anthracene	228	11.030	11.030	0.000	95	66547	500.0	435.6	
23 Chrysene	228	11.076	11.076	0.000	99	84928	500.0	533.0	
30 Bis(2-ethylhexyl) phthalate	149	11.895	11.895	0.000	0	81163	500.0	437.7	Ma
24 Benzo[b]fluoranthene	252	12.498	12.498	0.000	97	61343	500.0	426.2	
25 Benzo[k]fluoranthene	252	12.539	12.539	0.000	93	79128	500.0	490.7	M
26 Benzo[a]pyrene	252	13.015	13.015	0.000	96	74899	500.0	521.7	
27 Indeno[1,2,3-cd]pyrene	276	14.984	14.984	0.000	95	50583	500.0	419.4	M
28 Dibenz(a,h)anthracene	278	15.033	15.033	0.000	95	67796	500.0	489.0	a
29 Benzo[g,h,i]perylene	276	15.477	15.477	0.000	94	77781	500.0	517.6	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

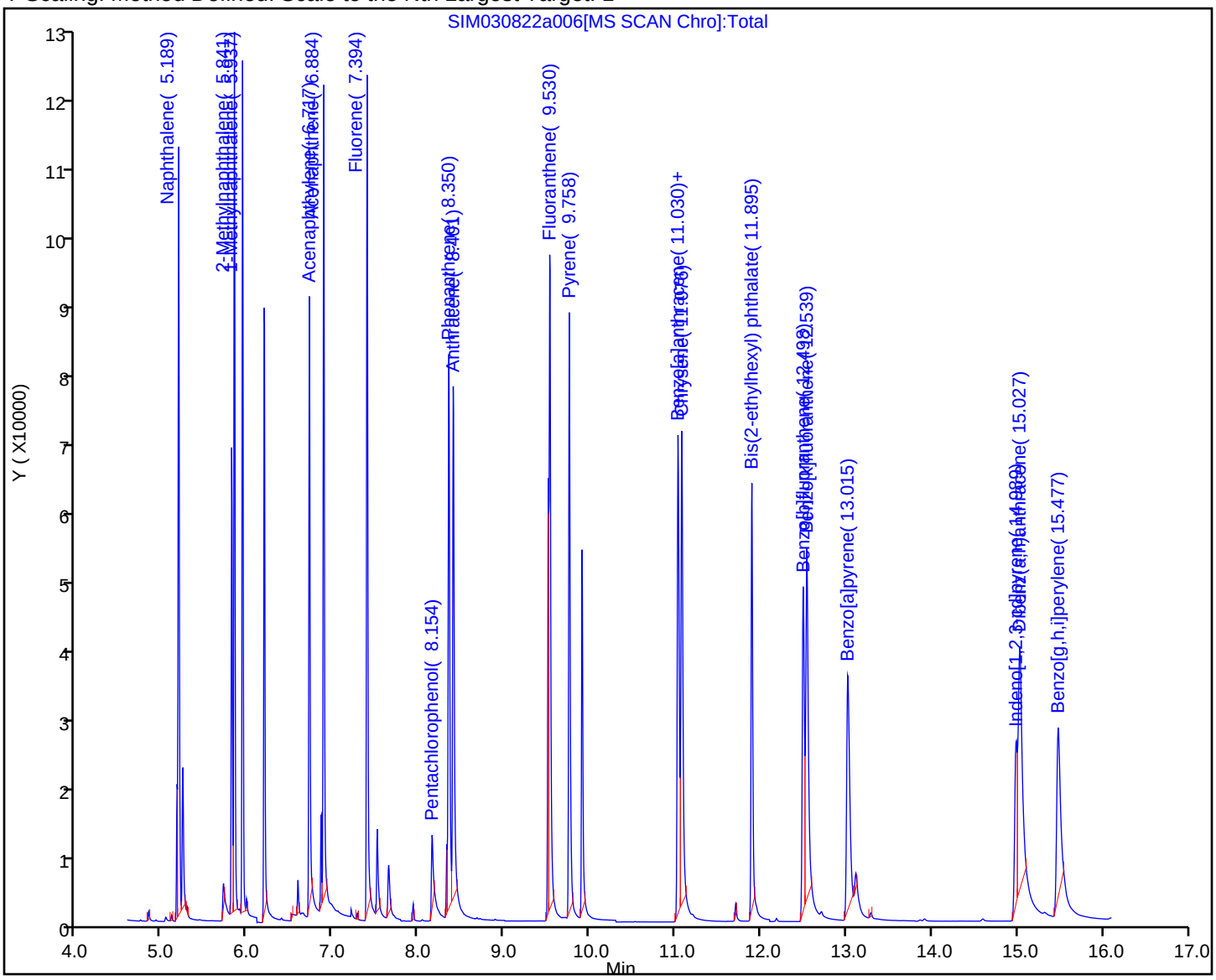
Reagents:

ccv_SIM_500_00086 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 12:27:32 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a006.D
Injection Date: 08-Mar-2022 11:50:30 Instrument ID: TAC050
Lims ID: CCVIS
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

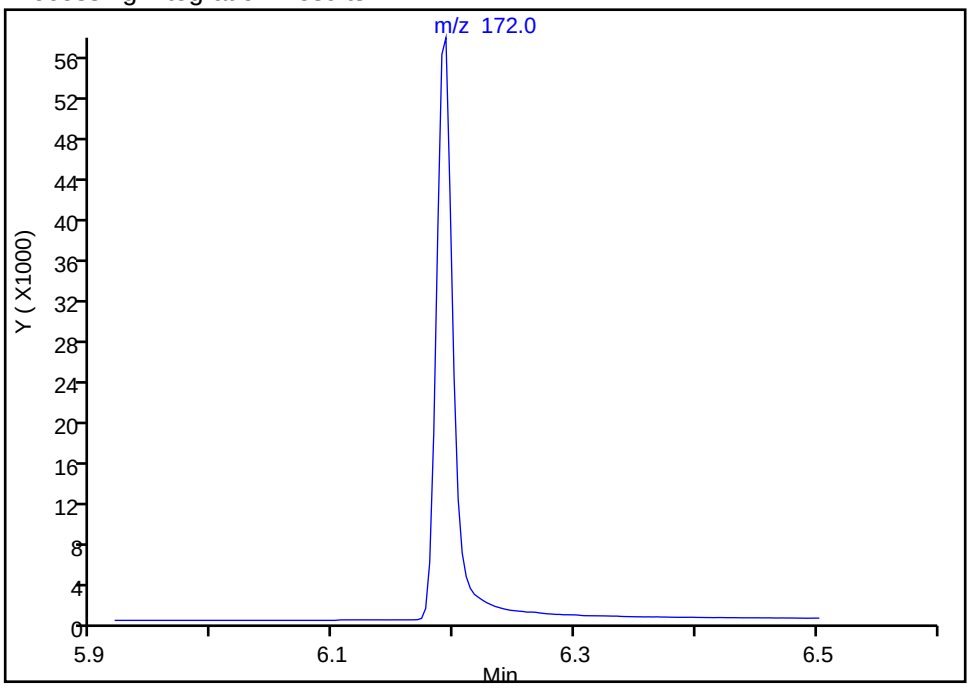
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a006.D
Injection Date: 08-Mar-2022 11:50:30 Instrument ID: TAC050
Lims ID: CCVIS
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

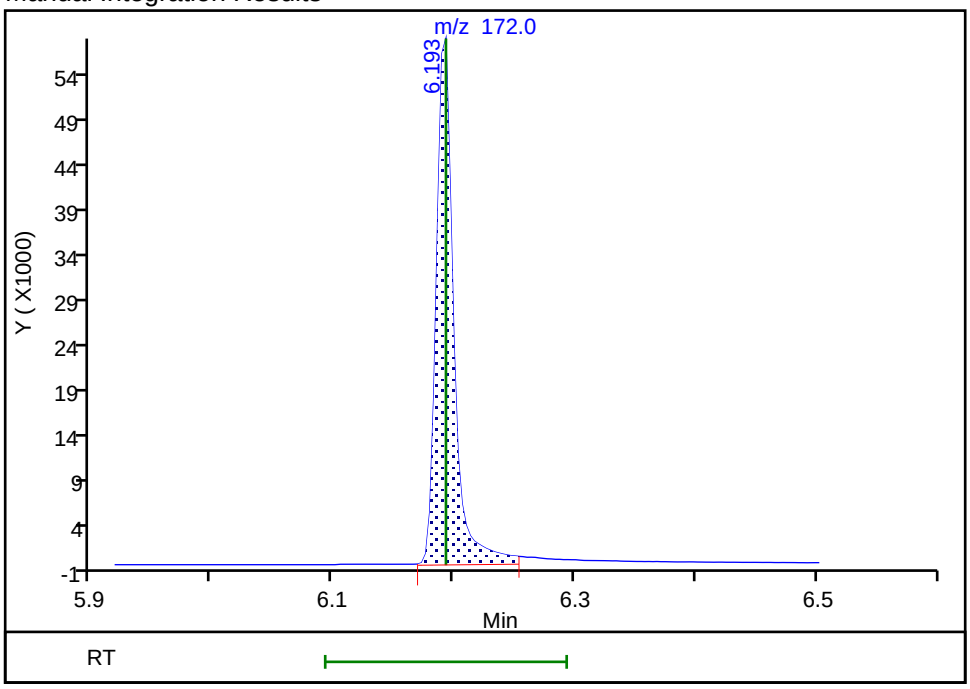
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 57925
Amount: 470.5459
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 12:26:30
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

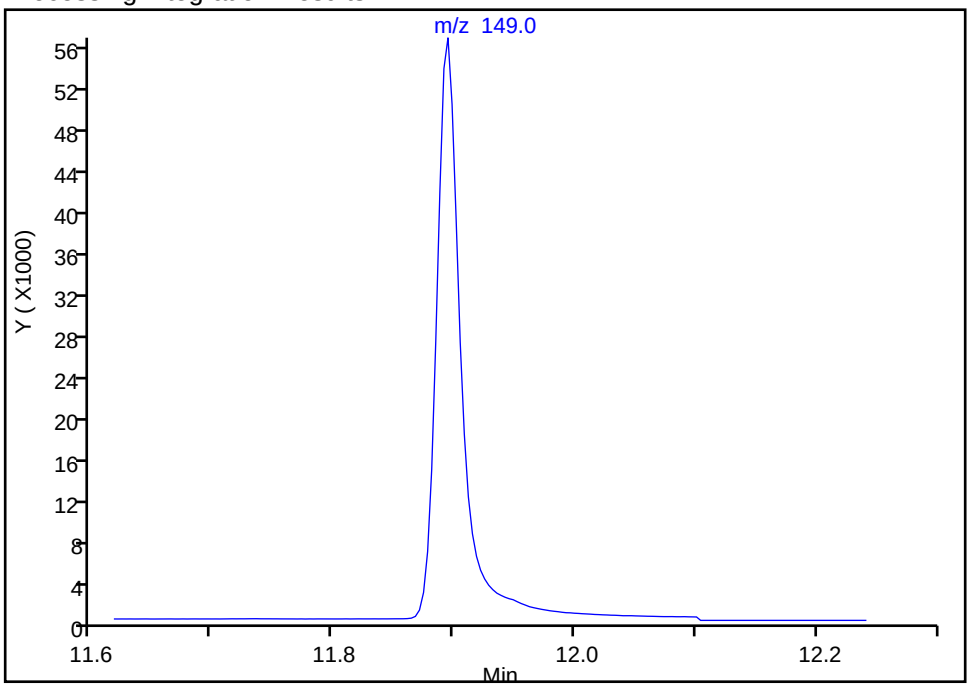
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a006.D
Injection Date: 08-Mar-2022 11:50:30 Instrument ID: TAC050
Lims ID: CCVIS
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

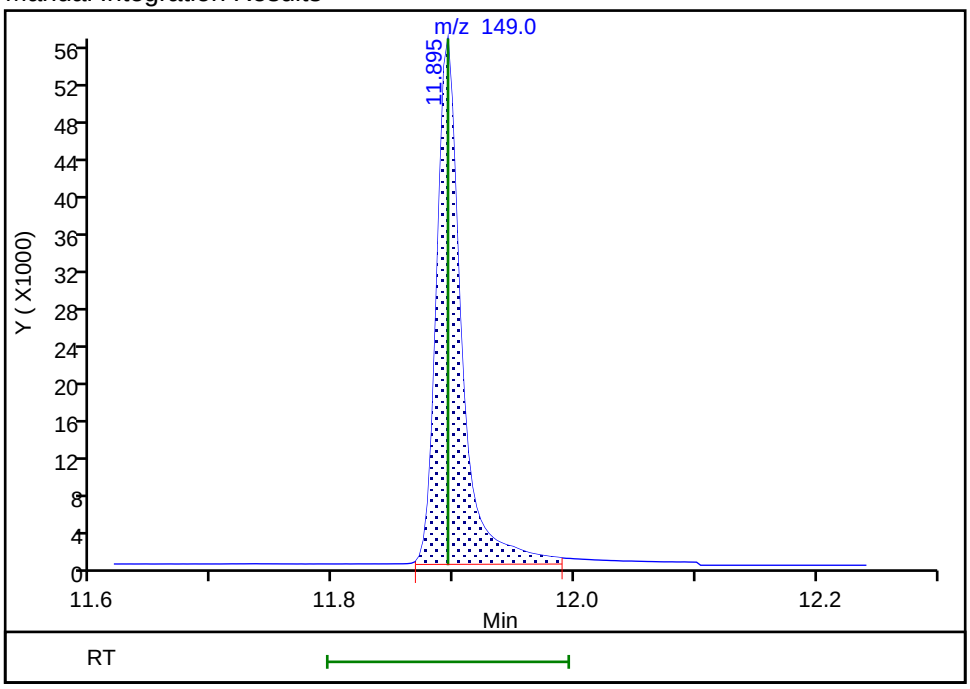
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.89
Area: 81163
Amount: 437.7391
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 12:26:45
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

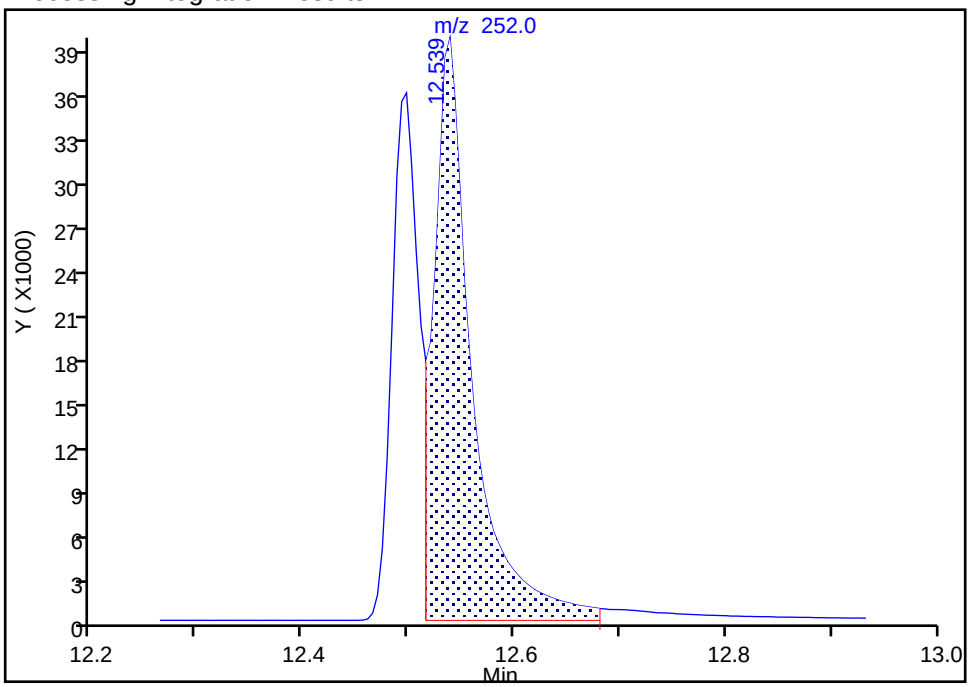
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a006.D
Injection Date: 08-Mar-2022 11:50:30 Instrument ID: TAC050
Lims ID: CCVIS
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

25 Benzo[k]fluoranthene, CAS: 207-08-9

Signal: 1

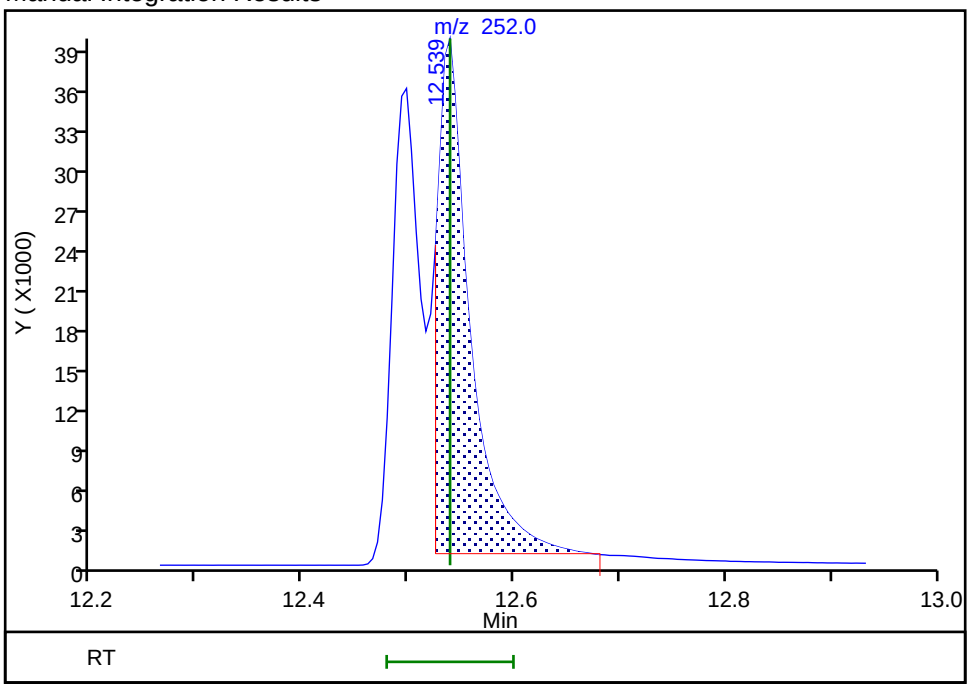
Processing Integration Results

RT: 12.54
Area: 98039
Amount: 608.1861
Amount Units: ug/L



Manual Integration Results

RT: 12.54
Area: 79128
Amount: 490.7193
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 12:26:55
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

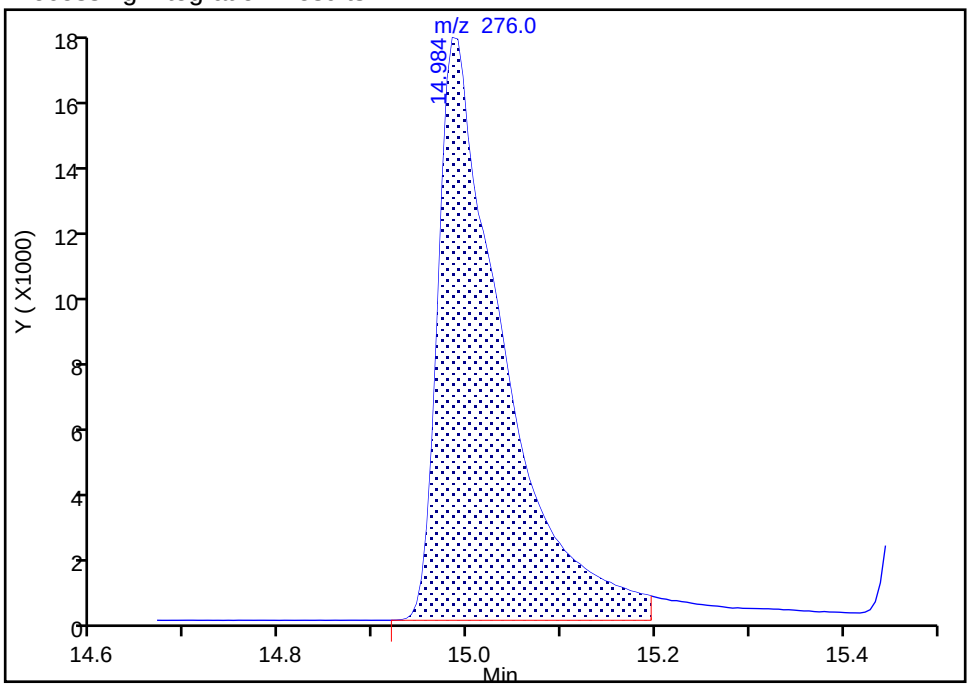
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a006.D				
Injection Date:	08-Mar-2022 11:50:30	Instrument ID:	TAC050		
Lims ID:	CCVIS				
Client ID:					
Operator ID:	tl	ALS Bottle#:	3	Worklist Smp#:	3
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

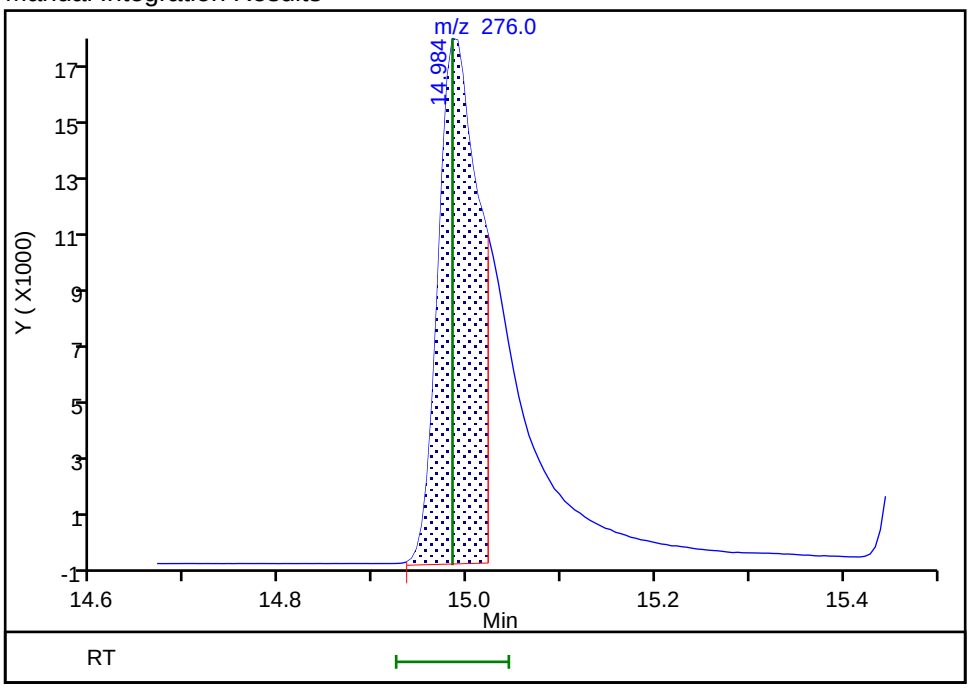
Processing Integration Results

RT: 14.98
Area: 83237
Amount: 687.4507
Amount Units: ug/L



Manual Integration Results

RT: 14.98
Area: 50583
Amount: 419.4334
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 12:27:06

Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

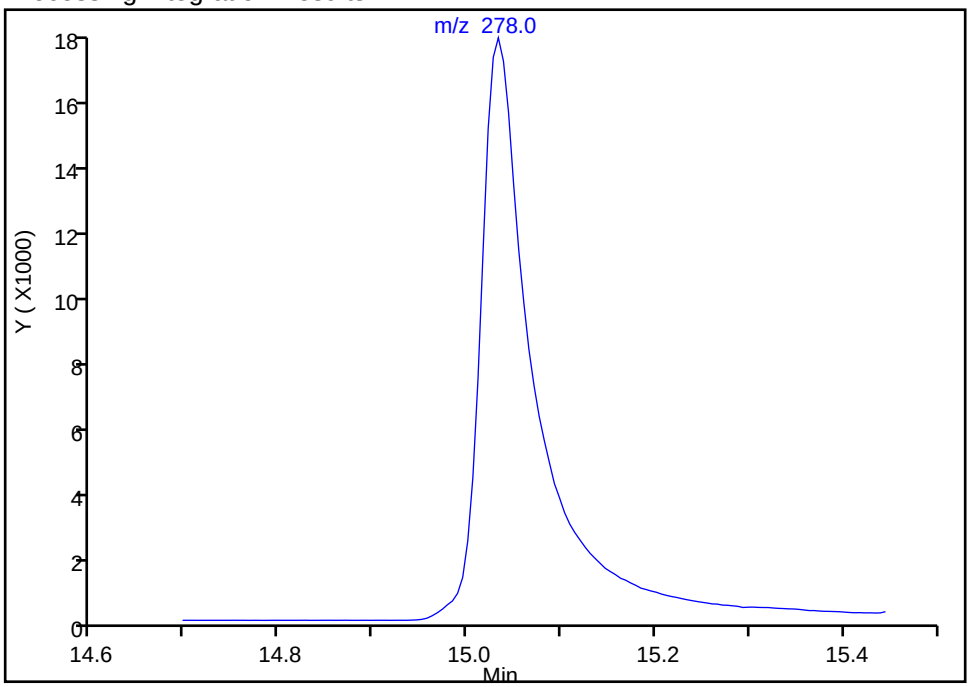
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a006.D
Injection Date: 08-Mar-2022 11:50:30 Instrument ID: TAC050
Lims ID: CCVIS
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 3
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

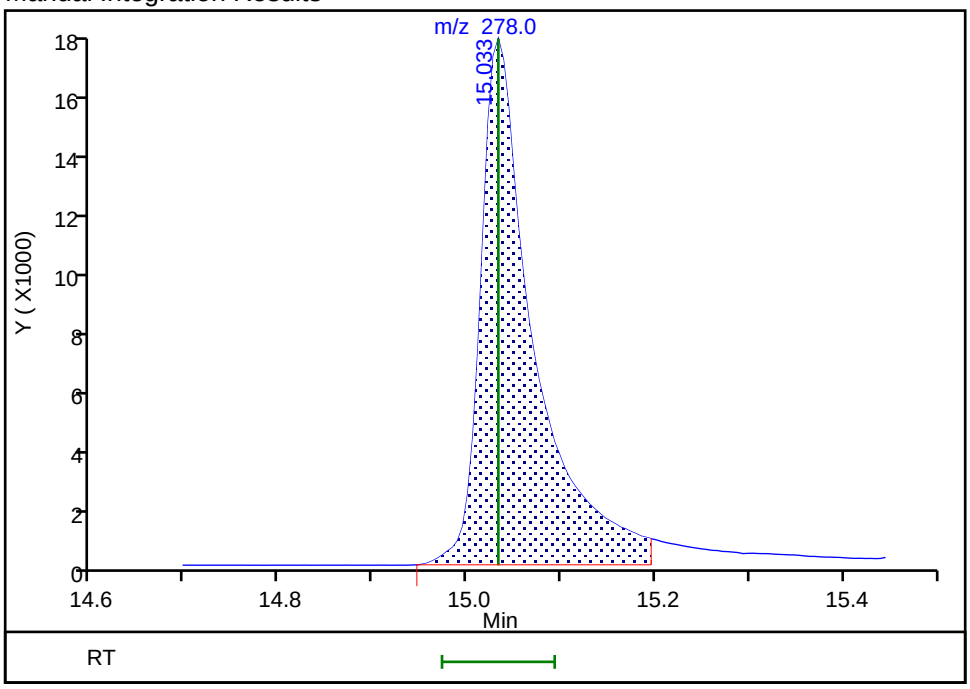
Not Detected
Expected RT: 15.03

Processing Integration Results



Manual Integration Results

RT: 15.03
Area: 67796
Amount: 488.9938
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 12:27:09
Audit Action: Assigned Compound ID Audit Reason: Baseline

FORM VII
GC/MS SEMI VOA CONTINUING CALIBRATION DATA

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Lab Sample ID: CCVC 580-383161/52 Calibration Date: 03/08/2022 16:57

Instrument ID: TAC050 Calib Start Date: 01/14/2022 01:16

GC Column: ZB-SV ID: 0.25(mm) Calib End Date: 01/14/2022 05:04

Lab File ID: SIM030822a022.D Conc. Units: ug/L

ANALYTE	CURVE TYPE	AVE RRF	RRF	MIN RRF	CALC AMOUNT	SPIKE AMOUNT	%D	MAX %D
Naphthalene	Ave	1.058	1.006	0.7000	476	500	-4.9	50.0
2-Methylnaphthalene	Ave	0.5998	0.5588	0.4000	466	500	-6.8	50.0
1-Methylnaphthalene	Ave	0.5810	0.5322	0.1000	458	500	-8.4	50.0
Acenaphthylene	Ave	2.114	2.060	0.9000	487	500	-2.5	50.0
Acenaphthene	Ave	1.327	1.278	0.9000	482	500	-3.6	50.0
Fluorene	Ave	1.479	1.554	0.9000	525	500	5.1	50.0
Pentachlorophenol	Qua2		0.1212	0.0500	1040	1000	3.9	50.0
Phenanthrene	Lin2		1.130	0.7000	449	500	-10.3	50.0
Anthracene	Lin2		1.313	0.7000	516	500	3.3	50.0
Fluoranthene	Lin2		1.258	0.6000	506	500	1.2	50.0
Pyrene	Lin2		1.315	0.6000	502	500	0.4	50.0
Benzo[a]anthracene	Lin2		1.316	0.8000	457	500	-8.6	50.0
Chrysene	Lin2		1.554	0.7000	517	500	3.4	50.0
Bis(2-ethylhexyl) phthalate	Qua2		1.840	0.0100	523	500	4.6	50.0
Benzo[b]fluoranthene	Lin2		1.204	0.7000	461	500	-7.8	50.0
Benzo[k]fluoranthene	Lin2		1.671	0.7000	571	500	14.2	50.0
Benzo[a]pyrene	Lin2		1.411	0.7000	541	500	8.3	50.0
Indeno[1,2,3-cd]pyrene	Qua2		1.025	0.5000	468	500	-6.4	50.0
Dibenz(a,h)anthracene	Lin2		1.266	0.4000	503	500	0.6	50.0
Benzo[g,h,i]perylene	Lin2		1.380	0.5000	506	500	1.2	50.0
2-methylnaphthalene-d10	Ave	0.5916	0.5658		478	500	-4.4	50.0
2-Fluorobiphenyl	Ave	1.600	1.256		393	500	-21.5	50.0
2,4,6-Tribromophenol	Qua1		0.2772		515	500	2.9	50.0
Fluoranthene-d10 (Surr)	Lin2		1.066		515	500	3.0	50.0
Terphenyl-d14	Ave	0.8014	0.7808		487	500	-2.6	50.0

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a022.D
Lims ID: ccvc
Client ID:
Sample Type: CCVC
Inject. Date: 08-Mar-2022 16:57:30 ALS Bottle#: 3 Worklist Smp#: 52
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: ccvc
Operator ID: tl Instrument ID: TAC050
Sublist: chrom-TAC050_SIM_PAH*sub9

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 08-Mar-2022 17:19:52 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 17:19:52

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	18337	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.858	-0.004	71	8198	100.0	100.0	
* 3 Phenanthrene-d10	188	8.323	8.326	-0.003	56	14297	100.0	100.0	
* 4 Chrysene-d12	240	11.035	11.044	-0.009	54	11616	100.0	100.0	
* 5 Perylene-d12	264	13.102	13.111	-0.009	69	12792	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	51874	500.0	478.2	
$ 10 2-Fluorobiphenyl	172	6.190	6.193	-0.003	0	51491	500.0	392.5	a
$ 7 2,4,6-Tribromophenol	330	7.642	7.646	-0.004	57	11364	500.0	514.7	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.514	-0.008	68	76175	500.0	515.2	
$ 9 Terphenyl-d14	244	9.900	9.908	-0.008	95	55818	500.0	487.1	
11 Naphthalene	128	5.189	5.189	0.000	100	92252	500.0	475.7	
12 2-Methylnaphthalene	141	5.841	5.841	0.000	92	51237	500.0	465.8	
13 1-Methylnaphthalene	141	5.933	5.937	-0.004	100	48793	500.0	458.0	
14 Acenaphthylene	152	6.717	6.717	0.000	100	84459	500.0	487.3	
15 Acenaphthene	153	6.885	6.884	0.001	98	52398	500.0	481.8	
16 Fluorene	166	7.389	7.394	-0.005	97	63700	500.0	525.3	
17 Pentachlorophenol	266	8.146	8.154	-0.008	98	14079	1000.0	1039.1	
18 Phenanthrene	178	8.342	8.350	-0.008	100	80746	500.0	448.6	
19 Anthracene	178	8.397	8.401	-0.004	100	93851	500.0	516.3	
20 Fluoranthene	202	9.526	9.534	-0.008	52	89939	500.0	505.8	
21 Pyrene	202	9.754	9.758	-0.004	51	94032	500.0	501.9	
22 Benzo[a]anthracene	228	11.021	11.030	-0.009	95	76410	500.0	456.9	
23 Chrysene	228	11.067	11.076	-0.009	99	90241	500.0	517.2	
30 Bis(2-ethylhexyl) phthalate	149	11.885	11.895	-0.010	0	106875	500.0	523.1	Ma
24 Benzo[b]fluoranthene	252	12.484	12.498	-0.014	97	76999	500.0	460.9	
25 Benzo[k]fluoranthene	252	12.525	12.539	-0.014	94	106879	500.0	571.1	
26 Benzo[a]pyrene	252	13.006	13.015	-0.009	96	90223	500.0	541.4	
27 Indeno[1,2,3-cd]pyrene	276	14.973	14.984	-0.011	95	65536	500.0	467.8	M
28 Dibenz(a,h)anthracene	278	15.017	15.033	-0.016	96	80943	500.0	503.0	a
29 Benzo[g,h,i]perylene	276	15.467	15.477	-0.010	94	88267	500.0	506.0	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

ccv_SIM_500_00086 Amount Added: 1.00 Units: mL

Report Date: 08-Mar-2022 17:19:52 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a022.D

Injection Date: 08-Mar-2022 16:57:30 Instrument ID: TAC050

Lims ID: ccvc

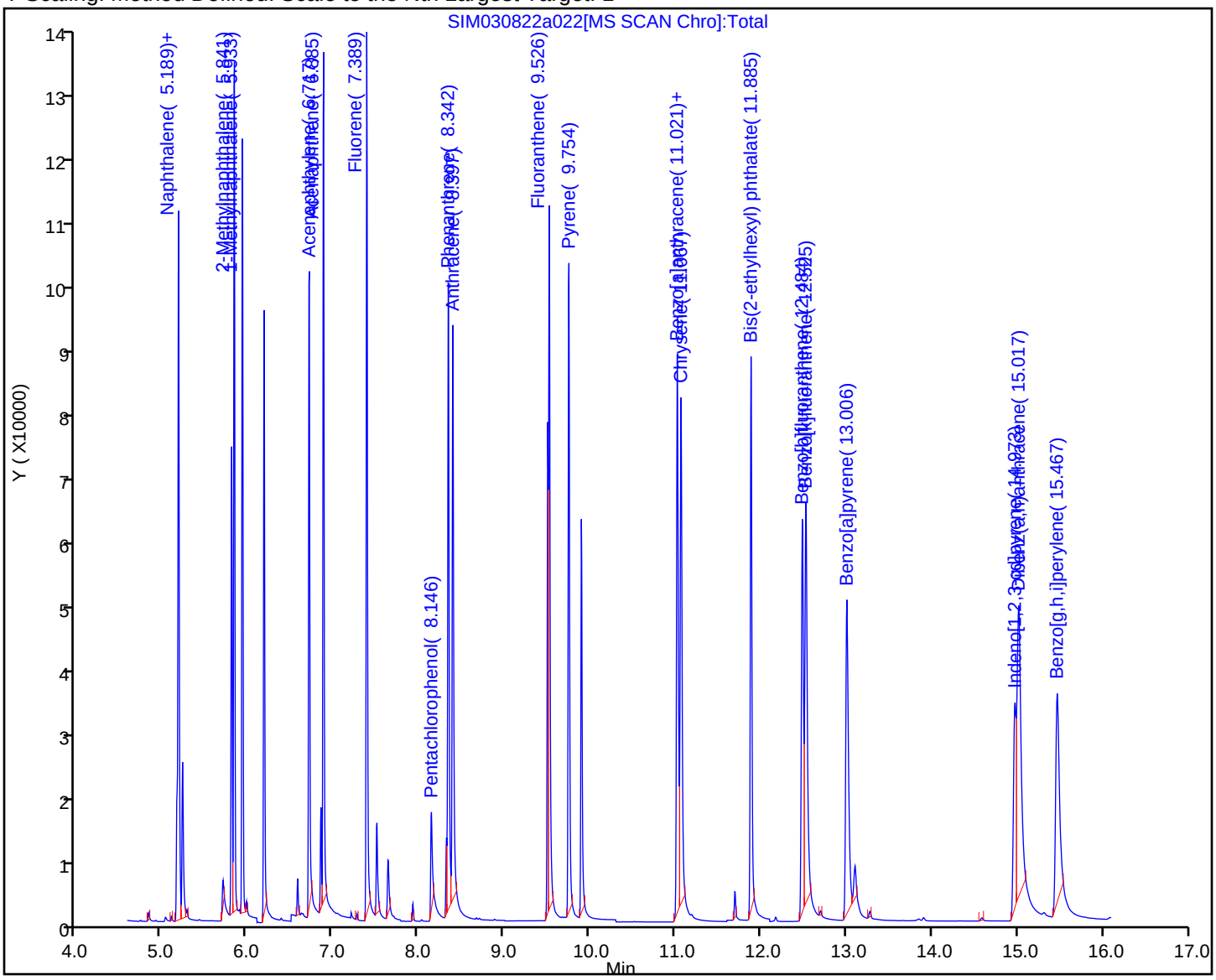
Client ID:

Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 52

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Manual Integration/User Assign Peak Report

Eurofins Seattle

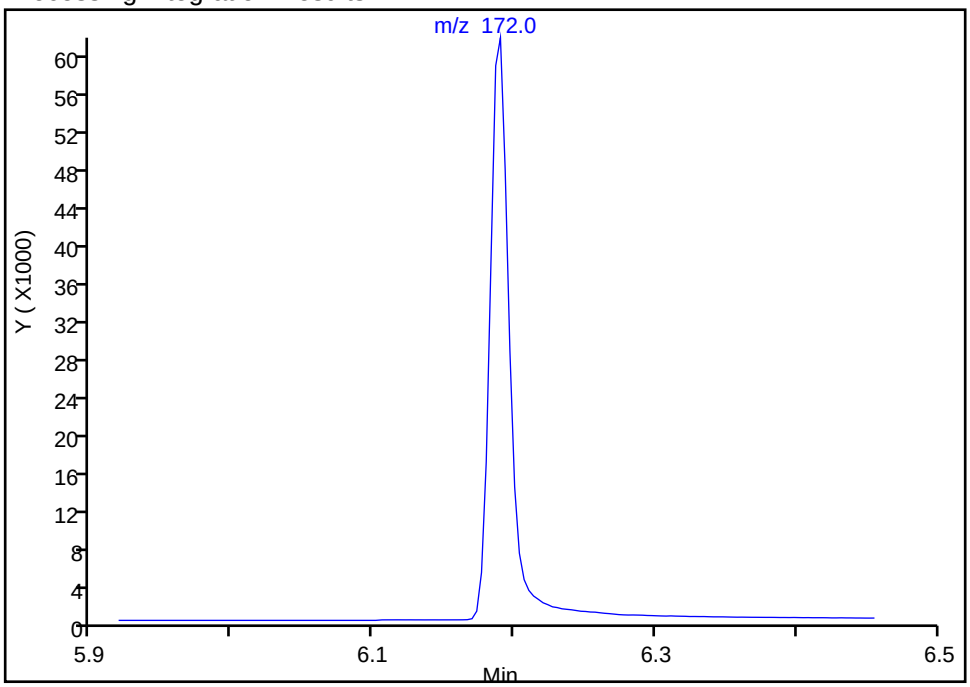
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a022.D
Injection Date: 08-Mar-2022 16:57:30 Instrument ID: TAC050
Lims ID: ccvc
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 52
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 10 2-Fluorobiphenyl, CAS: 321-60-8

Signal: 1

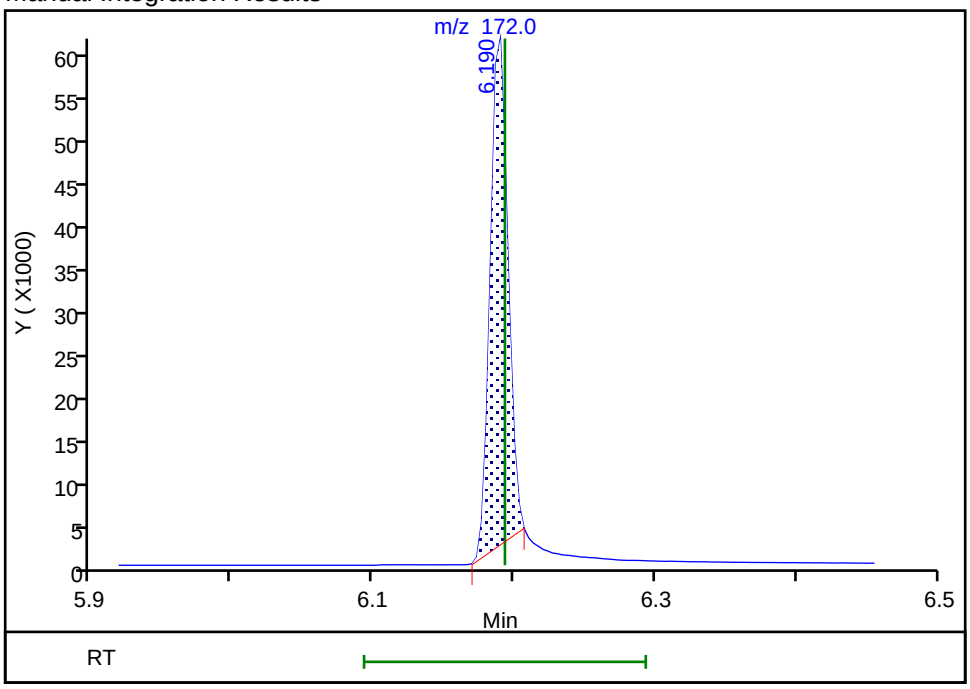
Not Detected
Expected RT: 6.19

Processing Integration Results



Manual Integration Results

RT: 6.19
Area: 51491
Amount: 392.5140
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 17:19:07
Audit Action: Assigned Compound ID Audit Reason: Peak assignment corrected

Manual Integration/User Assign Peak Report

Eurofins Seattle

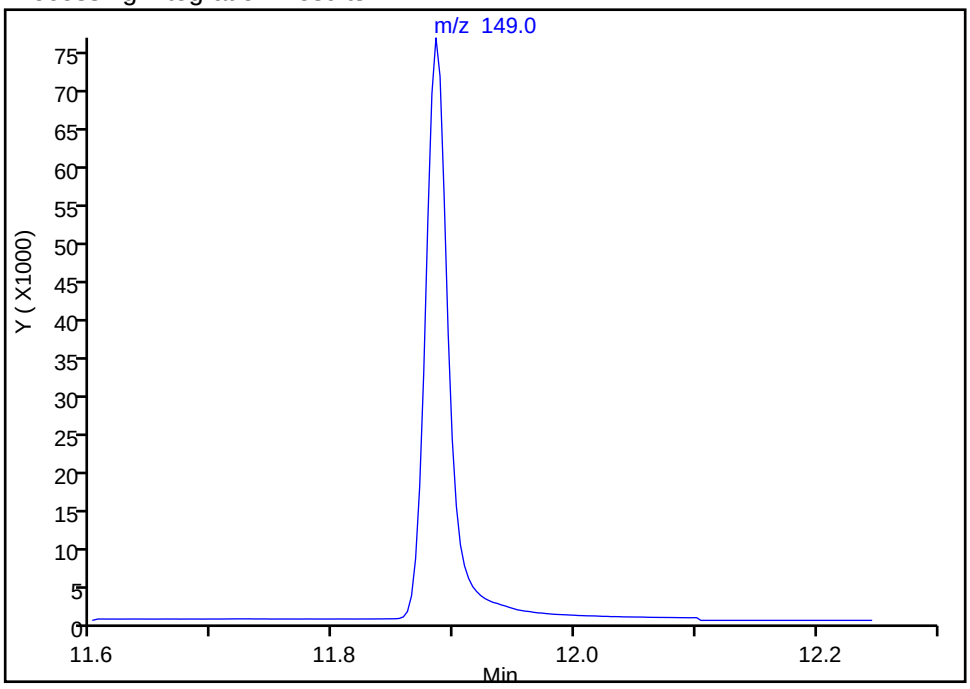
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a022.D
Injection Date: 08-Mar-2022 16:57:30 Instrument ID: TAC050
Lims ID: ccvc
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 52
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

30 Bis(2-ethylhexyl) phthalate, CAS: 117-81-7

Signal: 1

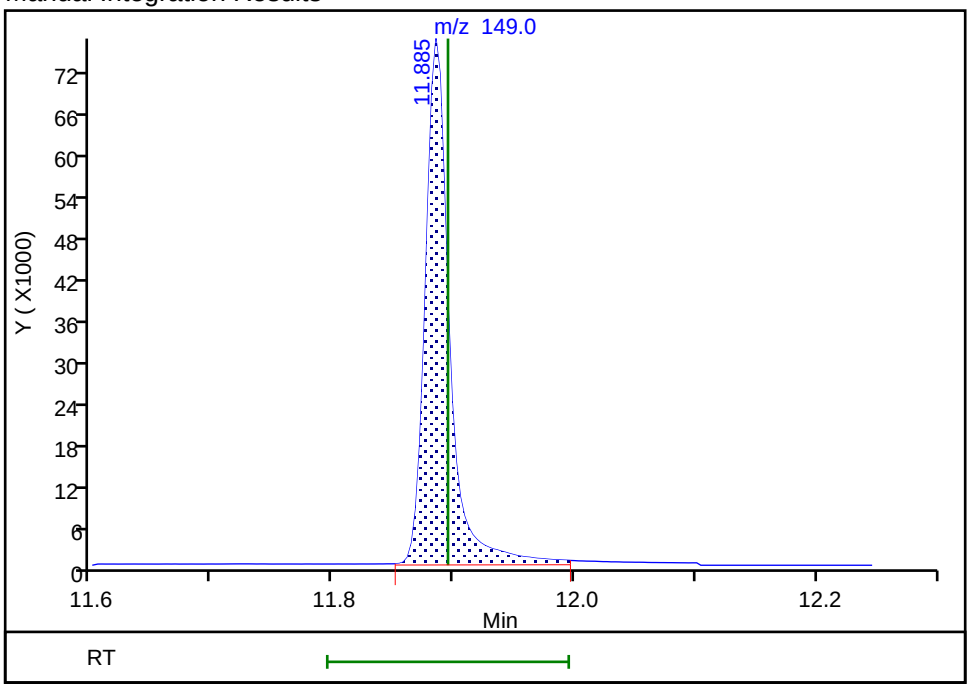
Not Detected
Expected RT: 11.89

Processing Integration Results



Manual Integration Results

RT: 11.88
Area: 106875
Amount: 523.1207
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 17:19:29
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

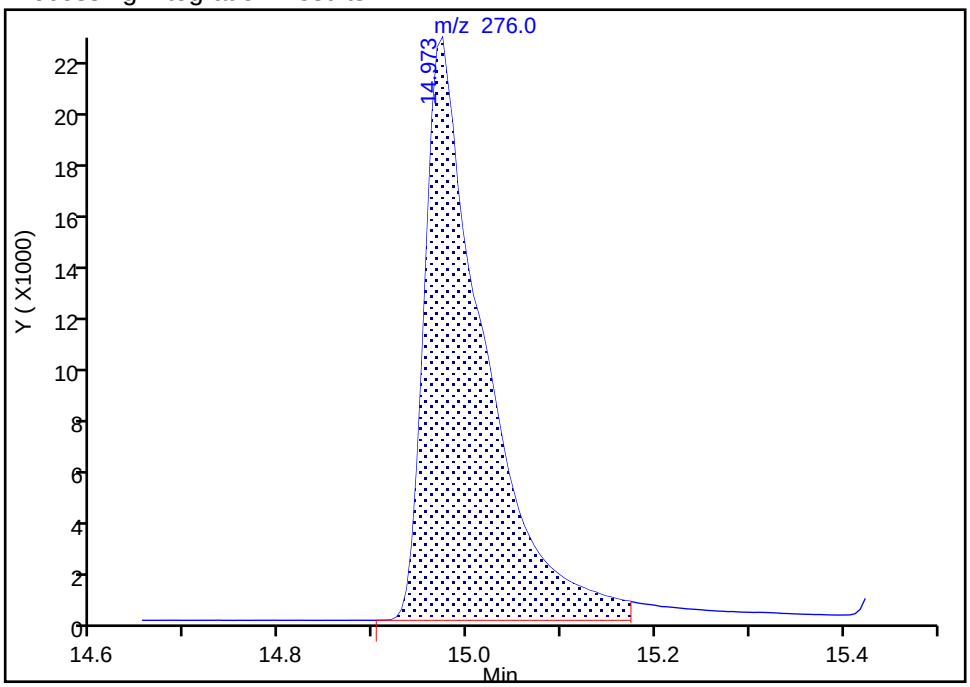
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a022.D
Injection Date: 08-Mar-2022 16:57:30 Instrument ID: TAC050
Lims ID: ccvc
Client ID:
Operator ID: tl ALS Bottle#: 3 Worklist Smp#: 52
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

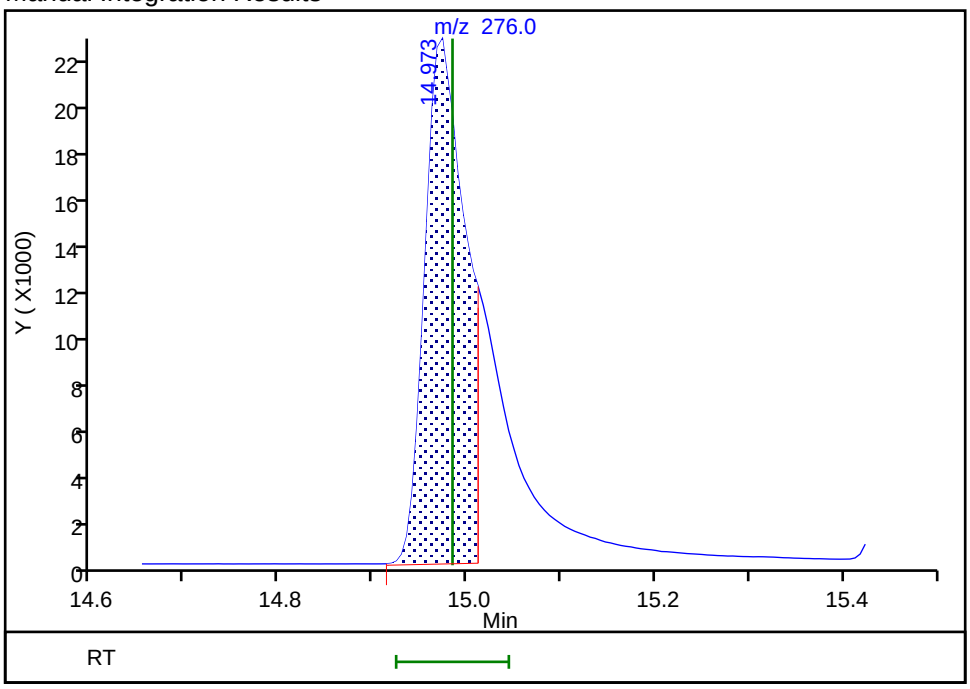
Processing Integration Results

RT: 14.97
Area: 97769
Amount: 695.5339
Amount Units: ug/L



Manual Integration Results

RT: 14.97
Area: 65536
Amount: 467.8010
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 17:19:42
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

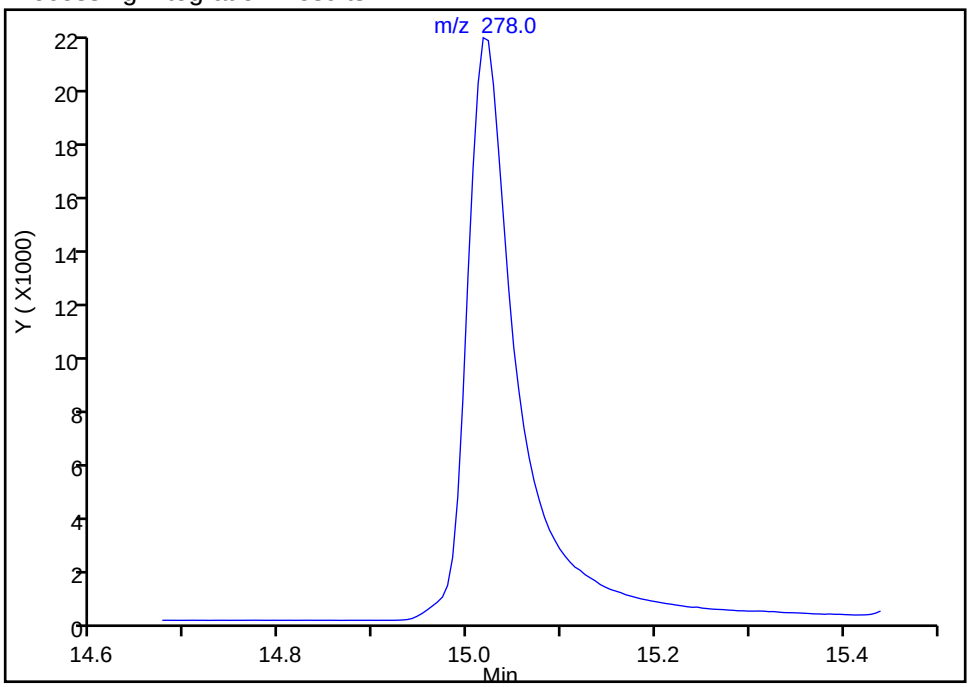
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a022.D				
Injection Date:	08-Mar-2022 16:57:30	Instrument ID:	TAC050		
Lims ID:	ccvc				
Client ID:					
Operator ID:	tl	ALS Bottle#:	3	Worklist Smp#:	52
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

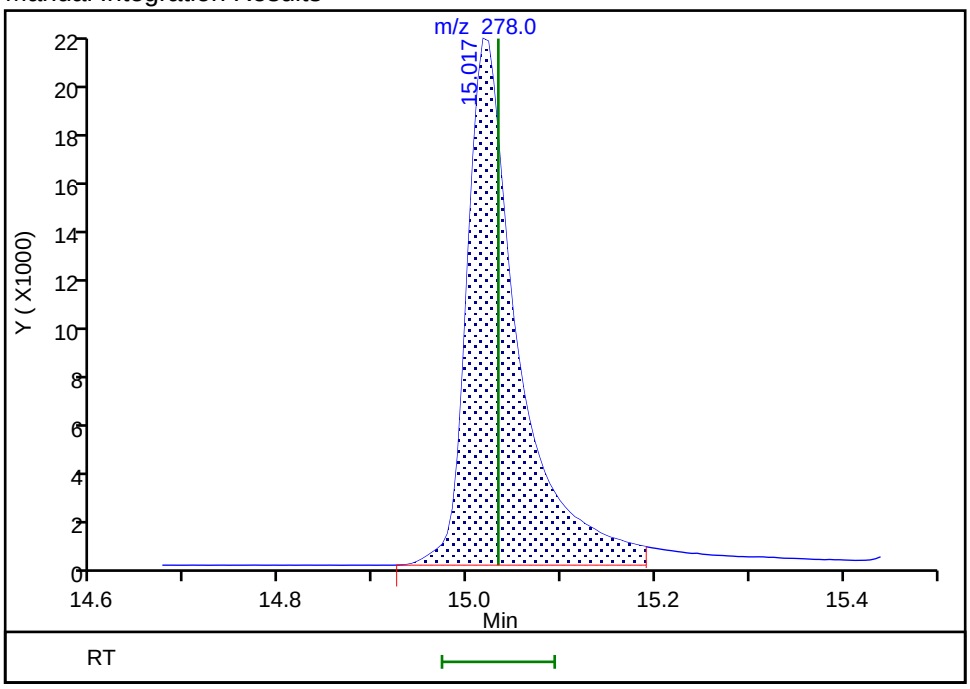
Not Detected
Expected RT: 15.03

Processing Integration Results



Manual Integration Results

RT: 15.02
Area: 80943
Amount: 502.9637
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 17:19:45
Audit Action: Assigned Compound ID Audit Reason: Baseline

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 14-Jan-2022 00:35:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: jcm Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 14-Jan-2022 15:43:29 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1628

First Level Reviewer: limmere Date: 14-Jan-2022 09:53:32

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
31 Pentachlorophenol_T	266	9.467	9.467	0.000	0	2106417	NR	NR	
32 DFTPP									
33 Benzidine_T	184	10.838	10.838	0.000	0	8428769	NR	NR	e
34 4,4'-DDE	246	10.999	10.999	0.000	0	2920		NR	
35 4,4'-DDD	235	11.299	11.299	0.000	0	85436		NR	a
36 4,4'-DDT	235	11.568	11.568	0.000	0	5483688	NR	NR	

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
e - Potential Peak Saturated
Review Flags
a - User Assigned ID

Reagents:

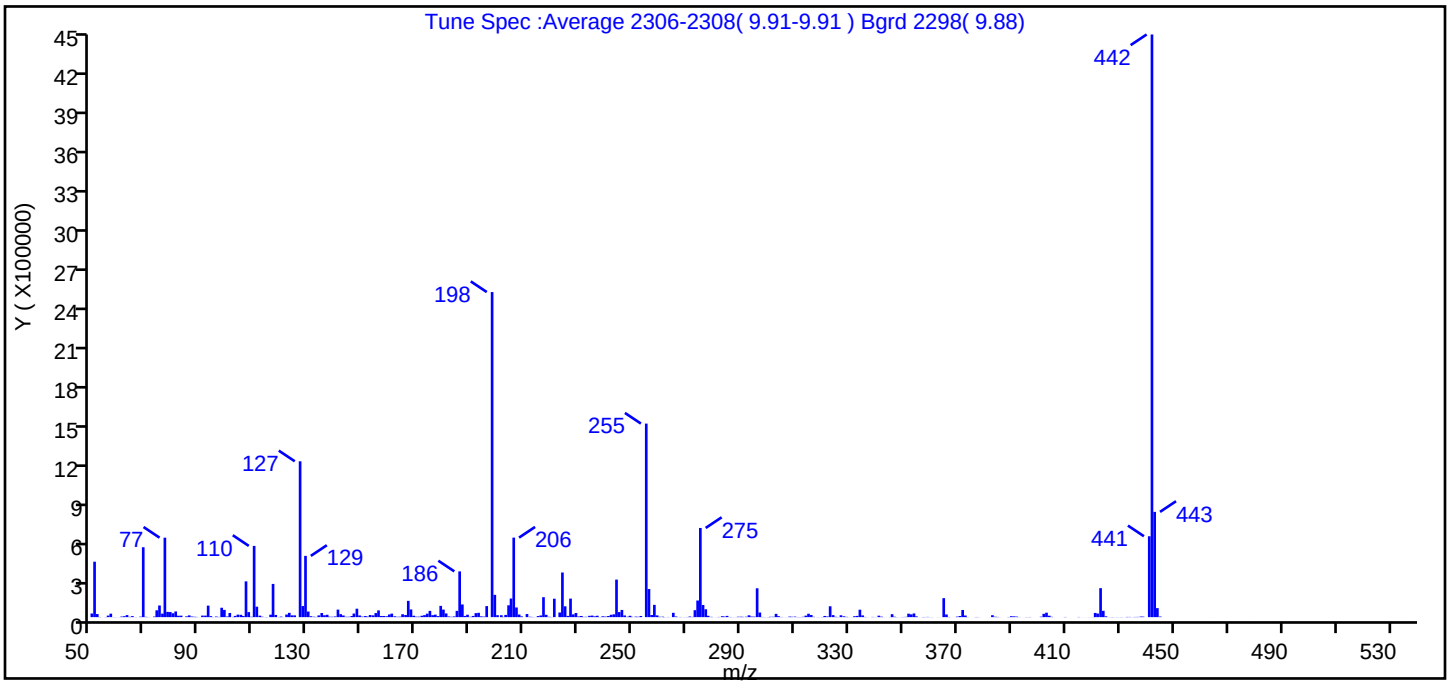
DFTPPx2_00044 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Tune Method: DFTPP Method 525.2, BP 198

32 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (55.8)
51	10-80% of the base peak	17.1
68	<2% of mass 69	0.1 (0.7)
69	Present	21.5
70	<2% of mass 69	0.1 (0.5)
127	10-80% of the base peak	47.9
197	<2% of mass 198	0.0
199	5-9% of mass 198	6.9
275	10-60% of the base peak	27.4
365	>1% of the base peak	5.8
441	Present and < mass 443	24.9 (76.8)
442	base peak, or >50% of 198	179.2
443	15-24% of mass 442	32.4 (18.1)

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D\TAC050_SIM_PAH.rslt\spec
Injection Date: 14-Jan-2022 00:35:30
Spectrum: Tune Spec :Average 2306-2308(9.91-9.91) Bgrd 2298(9.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	28016	148.00	64592	247.00	12808	345.00	818
51.00	424768	149.00	13032	248.00	3046	346.00	22680
52.00	23664	150.00	4059	249.00	10351	347.00	3321
53.00	1368	151.00	8260	250.00	2167	348.00	876
55.00	910	152.00	4447	251.00	3749	349.00	492
56.00	11806	153.00	16248	252.00	2709	350.00	1294
57.00	26760	154.00	13690	253.00	8949	351.00	2304
58.00	780	155.00	31256	255.00	1482752	352.00	26584
59.00	693	156.00	51632	256.00	215360	353.00	21256
60.00	434	157.00	8988	257.00	16480	354.00	28264
61.00	4565	158.00	8997	258.00	94168	355.00	5701
62.00	7277	159.00	6809	259.00	13538	356.00	270
63.00	15716	160.00	20296	260.00	3100	357.00	833
64.00	2512	161.00	26888	261.00	3477	358.00	1309
65.00	8021	162.00	6478	262.00	1005	359.00	1821
66.00	836	163.00	2887	263.00	1378	360.00	715
67.00	57	164.00	3616	264.00	126	361.00	437
68.00	3729	165.00	22344	265.00	33176	363.00	293
69.00	535488	166.00	16696	266.00	4862	363.00	486
70.00	2476	167.00	124952	267.00	355	365.00	145472
71.00	812	168.00	58888	268.00	1404	366.00	20392
72.00	226	169.00	10821	269.00	716	367.00	1547
73.00	4311	170.00	3753	270.00	1322	368.00	195
74.00	52416	171.00	3693	271.00	4696	370.00	261
75.00	89248	172.00	10674	272.00	1731	370.00	4063
76.00	27176	173.00	15522	273.00	53256	371.00	8551
77.00	608704	174.00	26472	274.00	127448	372.00	54640
78.00	40288	175.00	47960	275.00	683200	373.00	12515
79.00	38952	176.00	15028	276.00	93152	374.00	967
80.00	29712	177.00	19160	277.00	60336	375.00	51
81.00	43536	178.00	8029	278.00	10391	376.00	274
82.00	10987	179.00	86264	279.00	2178	377.00	1290
83.00	11341	180.00	57880	280.00	288	378.00	705

Report Date: 14-Jan-2022 15:43:30 Chrom Revision: 2.3 03-Jan-2022 17:03:12
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D\TAC050_SIM_PAH.rslt\spec
Injection Date: 14-Jan-2022 00:35:30
Spectrum: Tune Spec :Average 2306-2308(9.91-9.91) Bgrd 2298(9.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
84.00	119	181.00	28336	281.00	523	379.00	43
85.00	6057	182.00	5128	282.00	1597	382.00	350
86.00	13572	183.00	2858	283.00	7036	383.00	14753
87.00	4614	184.00	5555	284.00	4392	384.00	3196
88.00	2800	185.00	48056	285.00	9698	385.00	1780
89.00	1671	186.00	350528	286.00	1437	386.00	365
90.00	459	187.00	96984	287.00	687	389.00	1347
91.00	11999	188.00	9239	288.00	679	390.00	7322
92.00	11741	189.00	18528	289.00	3184	391.00	5982
93.00	88216	190.00	2753	290.00	3225	392.00	4145
94.00	7659	191.00	9162	291.00	2184	393.00	747
95.00	910	192.00	30824	292.00	3239	394.00	222
96.00	4643	193.00	33168	293.00	14267	396.00	927
97.00	1818	194.00	6029	294.00	4676	396.00	386
98.00	72000	195.00	4141	295.00	4100	397.00	1296
99.00	55504	196.00	84664	296.00	221120	398.00	77
100.00	4989	198.00	2490368	297.00	35376	401.00	3532
101.00	31768	199.00	170816	298.00	1510	402.00	25552
102.00	1699	200.00	15056	299.00	902	403.00	34016
103.00	9685	201.00	14672	300.00	1088	404.00	11092
104.00	19136	202.00	1682	301.00	2904	405.00	2519
105.00	17768	203.00	17072	302.00	3005	406.00	224
106.00	8405	204.00	90856	303.00	25208	407.00	87
107.00	274176	205.00	142656	304.00	7757	408.00	162
108.00	38352	206.00	609344	305.00	1569	409.00	320
109.00	3086	207.00	74016	306.00	275	410.00	1428
110.00	545728	208.00	20088	307.00	533	415.00	1456
111.00	80112	209.00	5984	308.00	4075	416.00	377
112.00	11404	211.00	23808	309.00	2959	417.00	259
113.00	3233	212.00	2964	310.00	4154	418.00	186
114.00	955	213.00	1614	311.00	1245	419.00	540
115.00	672	214.00	748	312.00	1237	420.00	631
116.00	18896	215.00	8242	313.00	2744	421.00	32232
117.00	254592	216.00	12818	314.00	11476	422.00	27504

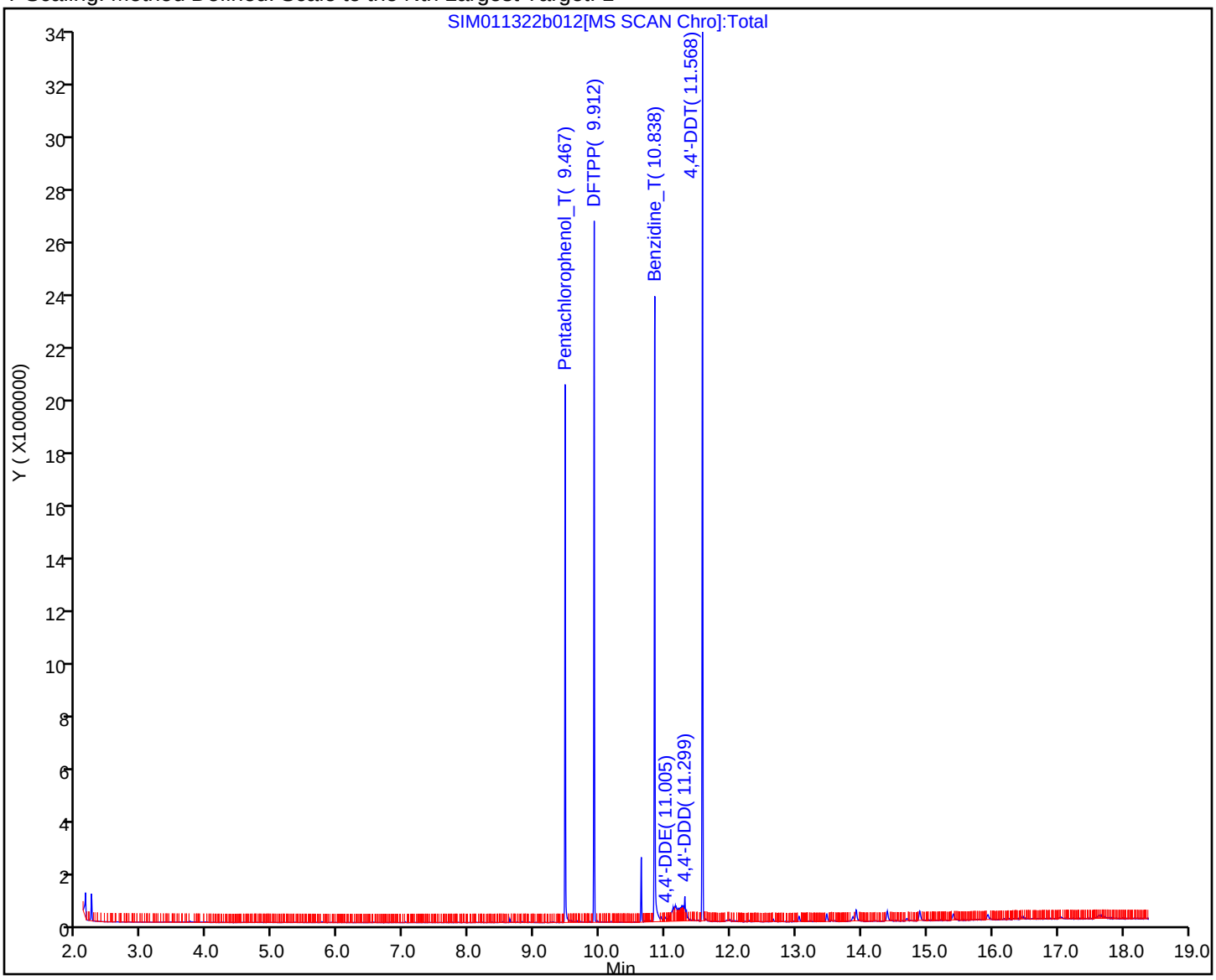
Report Date: 14-Jan-2022 15:43:30 Chrom Revision: 2.3 03-Jan-2022 17:03:12
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D\TAC050_SIM_PAH.rslt\spec
Injection Date: 14-Jan-2022 00:35:30
Spectrum: Tune Spec :Average 2306-2308(9.91-9.91) Bgrd 2298(9.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 383

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	16792	217.00	152832	315.00	26232	423.00	222080
119.00	1360	218.00	17872	316.00	16202	424.00	48520
120.00	4089	219.00	2624	317.00	2406	425.00	6179
121.00	458	220.00	1144	318.00	488	426.00	576
122.00	20056	221.00	141184	319.00	603	427.00	961
123.00	32960	223.00	35560	320.00	1378	428.00	772
124.00	13806	224.00	342080	321.00	9064	429.00	810
125.00	13381	225.00	82864	322.00	4998	430.00	485
127.00	1193984	226.00	9699	323.00	83336	431.00	1011
128.00	85008	227.00	142144	324.00	15496	433.00	520
129.00	469312	228.00	21168	325.00	2791	433.00	1672
130.00	42680	229.00	31728	326.00	1173	434.00	1682
131.00	6990	230.00	5176	327.00	14334	435.00	497
132.00	3376	231.00	9010	328.00	6358	436.00	1644
133.00	1480	232.00	1891	329.00	2231	437.00	1964
134.00	13199	233.00	2700	330.00	422	438.00	4272
135.00	31456	234.00	10123	331.00	584	439.00	3895
136.00	14336	235.00	11856	332.00	7236	441.00	619648
137.00	18336	236.00	6186	333.00	9503	442.00	4463616
138.00	3811	237.00	10719	334.00	57088	443.00	806336
139.00	3100	238.00	1081	335.00	13338	444.00	69072
140.00	5323	239.00	6521	336.00	1735	445.00	4355
141.00	57752	240.00	4658	337.00	485	465.00	170
142.00	22728	241.00	8515	339.00	1674	479.00	56
143.00	12772	242.00	18000	340.00	691	530.00	89
144.00	2916	243.00	21464	341.00	11275	533.00	63
145.00	2986	244.00	287680	342.00	3821	534.00	52
146.00	8757	245.00	38776	343.00	539	536.00	55
147.00	27544	246.00	55264	344.00	161		

Report Date: 14-Jan-2022 15:43:30 Chrom Revision: 2.3 03-Jan-2022 17:03:12

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Breakdown Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

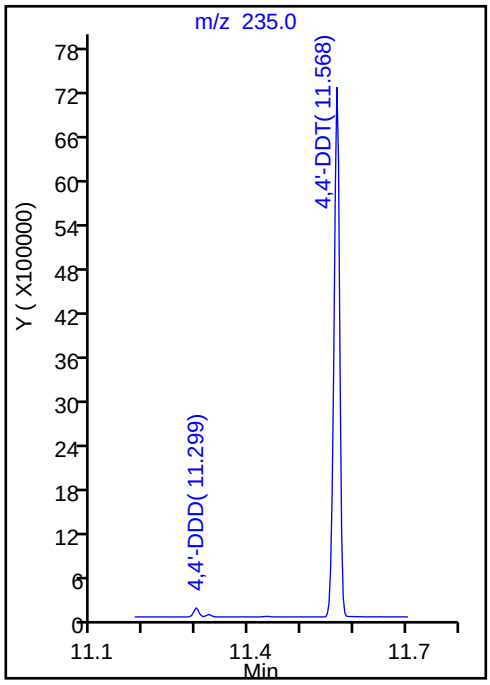
36 4,4'-DDT, Detector: MS SCAN

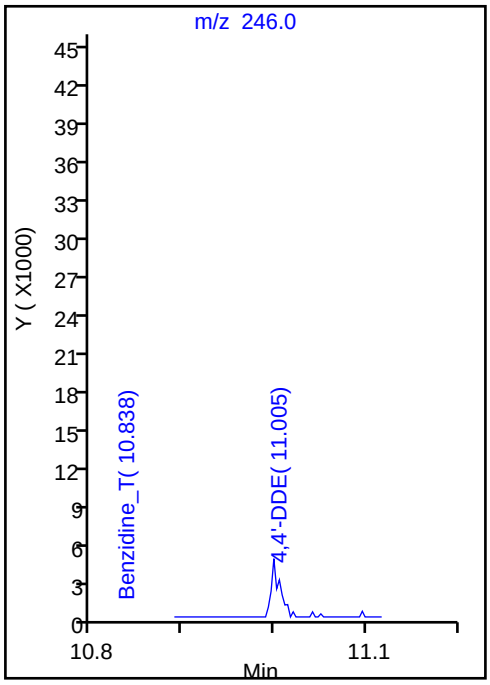
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

36 4,4'-DDT, Area = 5483688
35 4,4'-DDD, Area = 85436
34 4,4'-DDE, Area = 2920

%Breakdown: 1.59%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Seattle

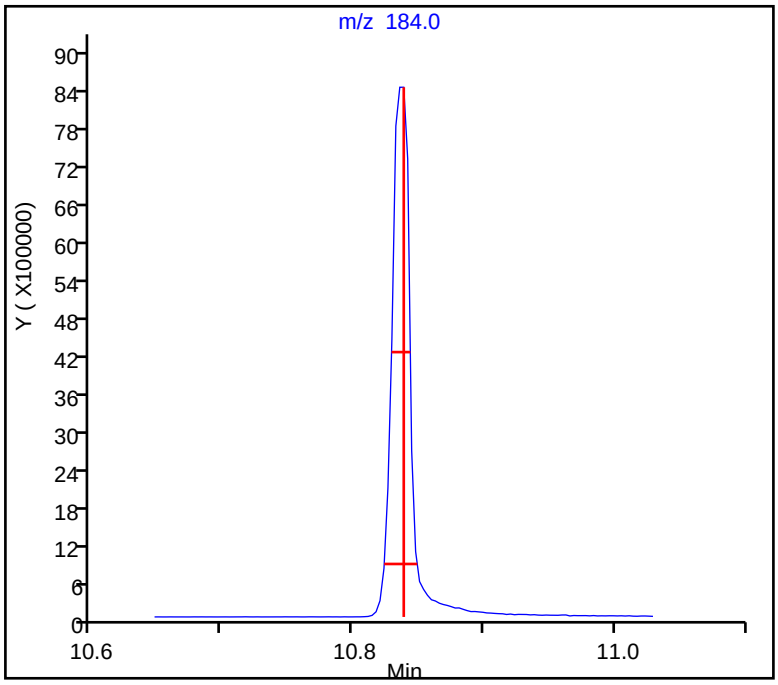
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

33 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.010 (min.)
Front Width = 0.015 (min.)

Tailing Factor = 0.67, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Seattle

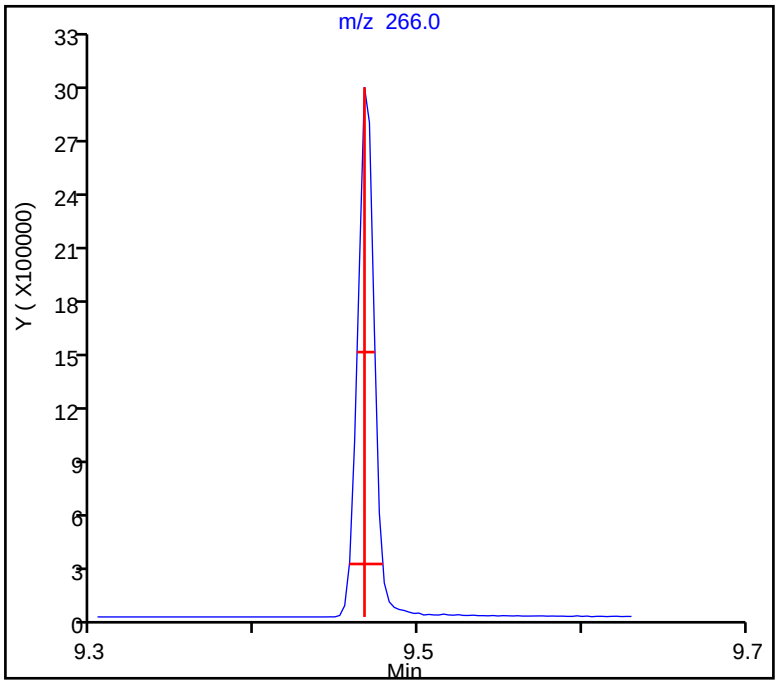
Data File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b012.D
Injection Date: 14-Jan-2022 00:35:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: jcm ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.011 (min.)
Front Width = 0.009 (min.)

Tailing Factor = 1.22, Max. Tailing <= 2.00
Passed



Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a005.D
Lims ID: dftpp
Client ID:
Sample Type: DFTPP
Inject. Date: 08-Mar-2022 11:21:30 ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: DFTPP
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 08-Mar-2022 12:26:08 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 12:26:08

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
31 Pentachlorophenol_T	266	9.473	9.473	0.000	0	3830632	NR	NR	
32 DFTPP									
33 Benzidine_T	184	10.847	10.847	0.000	0	13644183	NR	NR	e
34 4,4'-DDE	246	10.996	10.996	0.000	0	8806		NR	
35 4,4'-DDD	235	11.299	11.299	0.000	0	37440		NR	
36 4,4'-DDT	235	11.571	11.571	0.000	0	8305968	NR	NR	e

QC Flag Legend

Processing Flags
NR - Missing Quant Standard
e - Potential Peak Saturated

Reagents:

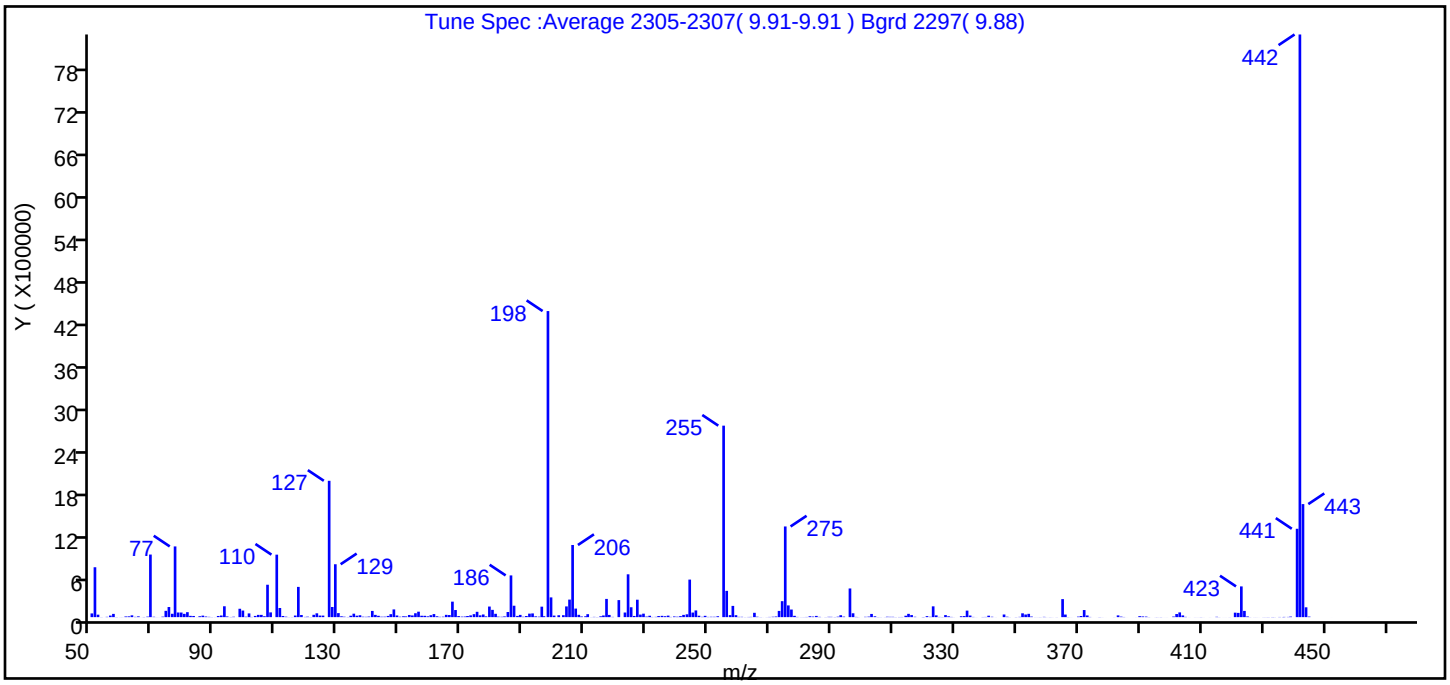
DFTPPx2_00044 Amount Added: 1.00 Units: mL

MS Tune Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a005.D
Injection Date: 08-Mar-2022 11:21:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Tune Method: DFTPP Method 525.2, BP 198

32 DFTPP



m/z	Ion Abundance Criteria	% Relative Abundance
198	base peak, or >50% of 442	100.0 (52.5)
51	10-80% of the base peak	16.3
68	<2% of mass 69	0.2 (0.8)
69	Present	20.5
70	<2% of mass 69	0.1 (0.6)
127	10-80% of the base peak	44.5
197	<2% of mass 198	0.3
199	5-9% of mass 198	6.5
275	10-60% of the base peak	29.6
365	>1% of the base peak	5.9
441	Present and < mass 443	28.9 (78.2)
442	base peak, or >50% of 198	190.4
443	15-24% of mass 442	36.9 (19.4)

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a005.D\TAC050_SIM_PAH.rslt\spec
Injection Date: 08-Mar-2022 11:21:30
Spectrum: Tune Spec :Average 2305-2307(9.91-9.91) Bgrd 2297(9.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
50.00	52928	148.00	109824	247.00	20168	347.00	6190
51.00	709376	149.00	23640	248.00	4378	348.00	1121
52.00	35096	150.00	6144	249.00	18776	350.00	1803
53.00	1414	151.00	12114	250.00	3424	351.00	4011
54.00	129	152.00	10367	251.00	5271	352.00	54432
55.00	4180	153.00	30872	252.00	5186	353.00	37632
56.00	22544	154.00	24000	253.00	12940	354.00	47144
57.00	46256	155.00	55432	255.00	2722304	355.00	8316
58.00	1843	156.00	77608	256.00	373568	356.00	874
59.00	753	157.00	19888	257.00	28592	357.00	812
60.00	795	158.00	18984	258.00	159872	358.00	1325
61.00	9728	159.00	11404	259.00	27688	359.00	3977
62.00	11095	160.00	27504	260.00	3961	360.00	794
63.00	25760	161.00	43696	261.00	4441	361.00	1269
64.00	3928	162.00	12241	262.00	1285	362.00	567
65.00	10960	163.00	4242	263.00	2727	363.00	989
66.00	333	164.00	6570	264.00	3680	365.00	256448
67.00	2196	165.00	32744	265.00	61680	366.00	36840
68.00	7298	166.00	29744	266.00	6061	367.00	1837
69.00	889920	167.00	220288	267.00	1458	368.00	458
70.00	5405	168.00	101072	268.00	341	370.00	7163
71.00	887	169.00	15149	269.00	1029	371.00	16070
72.00	562	170.00	7362	270.00	3047	372.00	100848
73.00	6879	171.00	8580	271.00	5785	373.00	23736
74.00	89640	172.00	15949	272.00	8970	374.00	2894
75.00	143872	173.00	25192	273.00	88560	375.00	156
76.00	47776	174.00	42384	274.00	227136	376.00	195
77.00	1005440	175.00	75848	275.00	1289216	377.00	1787
78.00	65960	176.00	25672	276.00	166784	378.00	623
79.00	65576	177.00	37792	277.00	108176	379.00	158
80.00	46792	178.00	10778	278.00	18752	381.00	82
81.00	70512	179.00	150720	279.00	3373	382.00	856
82.00	18456	180.00	103552	280.00	1121	383.00	24840

Report Date: 08-Mar-2022 12:26:10 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a005.D\TAC050_SIM_PAH.rslt\spec
Injection Date: 08-Mar-2022 11:21:30
Spectrum: Tune Spec :Average 2305-2307(9.91-9.91) Bgrd 2297(9.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
83.00	16672	181.00	47384	281.00	1387	384.00	7308
84.00	773	182.00	7159	282.00	2656	385.00	2509
85.00	12807	183.00	5114	283.00	12388	386.00	280
86.00	21552	184.00	10266	284.00	8302	388.00	177
87.00	9004	185.00	72968	285.00	17520	389.00	595
88.00	4373	186.00	593280	286.00	3975	390.00	13948
89.00	1632	187.00	162304	287.00	463	391.00	9998
90.00	926	188.00	17440	288.00	1517	392.00	7932
91.00	16672	189.00	31960	289.00	4458	393.00	1578
92.00	23040	190.00	5282	290.00	4255	394.00	137
93.00	154560	191.00	16129	291.00	2196	395.00	876
94.00	9869	192.00	49896	292.00	6318	396.00	1091
95.00	2371	193.00	52960	293.00	27424	397.00	1561
96.00	5711	194.00	11247	294.00	7222	398.00	325
97.00	121	195.00	6804	296.00	407616	399.00	410
98.00	119160	196.00	148928	297.00	54984	401.00	8374
99.00	93664	197.00	12898	298.00	3438	402.00	44144
100.00	6248	198.00	4351488	299.00	1435	403.00	67464
101.00	53120	199.00	280704	300.00	150	404.00	24440
102.00	2758	200.00	22040	301.00	4699	405.00	3848
103.00	17344	202.00	26968	302.00	7461	406.00	536
104.00	32224	203.00	27672	303.00	45536	407.00	57
105.00	32224	204.00	152512	304.00	11975	408.00	686
106.00	12741	205.00	249472	305.00	1835	409.00	543
107.00	460672	206.00	1025792	306.00	1112	410.00	1443
108.00	67456	207.00	121712	307.00	1117	411.00	400
110.00	888384	208.00	32824	308.00	5734	413.00	194
111.00	130096	209.00	9412	309.00	4462	413.00	348
112.00	16560	210.00	12645	310.00	4453	415.00	4760
113.00	6703	211.00	42056	311.00	1576	416.00	1130
114.00	1245	212.00	1166	312.00	2371	417.00	311
115.00	1430	213.00	3646	313.00	2528	418.00	358
116.00	22712	214.00	1838	314.00	20024	419.00	861
117.00	430080	215.00	11996	315.00	46896	421.00	63544

Report Date: 08-Mar-2022 12:26:10 Chrom Revision: 2.3 16-Feb-2022 17:52:00
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a005.D\TAC050_SIM_PAH.rslt\spec
Injection Date: 08-Mar-2022 11:21:30
Spectrum: Tune Spec :Average 2305-2307(9.91-9.91) Bgrd 2297(9.88)
Base Peak: 442.00
Minimum % Base Peak: 0
Number of Points: 382

m/z	Y	m/z	Y	m/z	Y	m/z	Y
118.00	30152	216.00	23728	316.00	29360	422.00	60456
119.00	3234	217.00	259136	317.00	5269	423.00	437056
120.00	6586	218.00	31664	318.00	233	424.00	88520
121.00	1743	219.00	3419	320.00	1173	425.00	9743
122.00	33320	221.00	242176	320.00	2069	426.00	1140
123.00	54480	223.00	65688	321.00	14536	427.00	647
124.00	22432	224.00	609088	322.00	4956	428.00	616
125.00	21912	225.00	140544	323.00	153600	429.00	334
127.00	1938432	226.00	16808	324.00	25000	430.00	1107
128.00	144320	227.00	247744	325.00	3180	431.00	1095
129.00	752064	228.00	36400	326.00	2151	432.00	1512
130.00	57376	229.00	49528	327.00	29184	433.00	2133
131.00	11837	230.00	7657	328.00	11942	434.00	1135
132.00	6138	231.00	19816	329.00	3299	435.00	2655
133.00	2325	232.00	2788	330.00	878	437.00	1733
134.00	20152	233.00	3990	331.00	165	437.00	3377
135.00	49176	234.00	15690	332.00	12541	438.00	3147
136.00	20632	235.00	18512	333.00	14792	439.00	7882
137.00	26832	236.00	13324	334.00	92664	441.00	1256448
138.00	6282	237.00	21672	335.00	22840	442.00	8283648
139.00	4623	238.00	3046	336.00	3162	443.00	1607168
140.00	8311	239.00	9743	337.00	595	444.00	139968
141.00	88448	240.00	6110	339.00	2339	445.00	8062
142.00	32056	241.00	14503	340.00	2978	452.00	135
143.00	19056	242.00	32104	341.00	20584	454.00	55
144.00	6108	243.00	40256	342.00	5558	464.00	130
145.00	6738	244.00	533824	343.00	474	474.00	52
146.00	17360	245.00	65112	344.00	63		
147.00	42336	246.00	95320	346.00	37744		

Report Date: 08-Mar-2022 12:26:10 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a005.D

Injection Date: 08-Mar-2022 11:21:30 Instrument ID: TAC050

Lims ID: dftpp

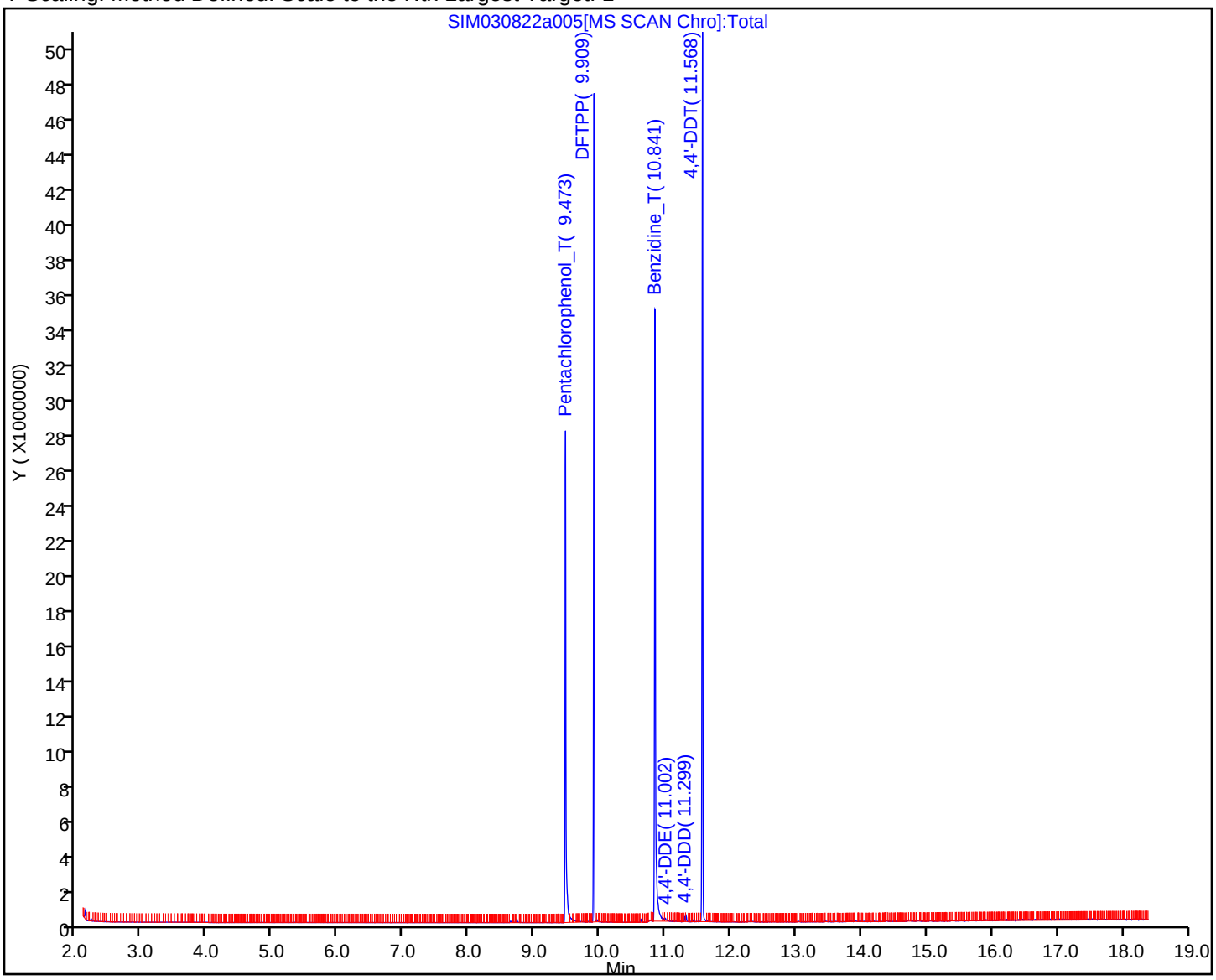
Client ID:

Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Breakdown Report

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a005.D
Injection Date: 08-Mar-2022 11:21:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

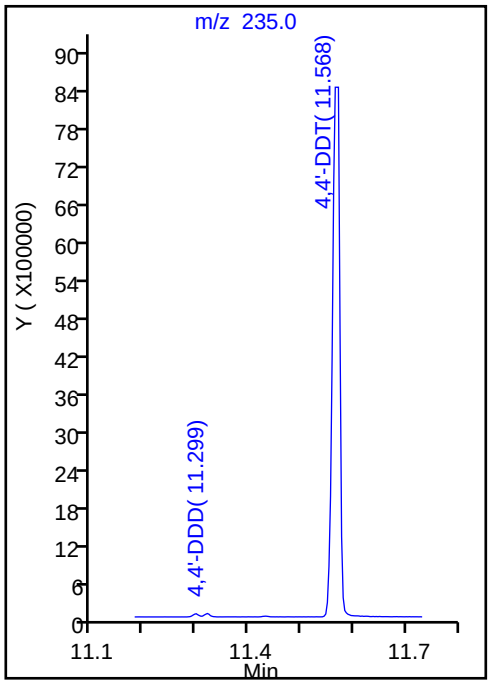
36 4,4'-DDT, Detector: MS SCAN

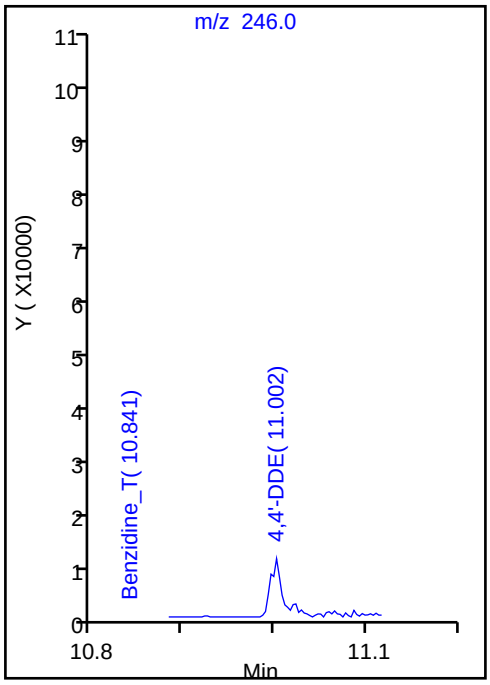
SW-846 Method

%Breakdown =
(Area Breakdown Cpnds/
Total Area Breakdown Cpnds) * 100

36 4,4'-DDT, Area = 8305968
35 4,4'-DDD, Area = 37440
34 4,4'-DDE, Area = 8806

%Breakdown: 0.55%, <= 20.00%
Passed





Peak Tailing Report

Eurofins Seattle

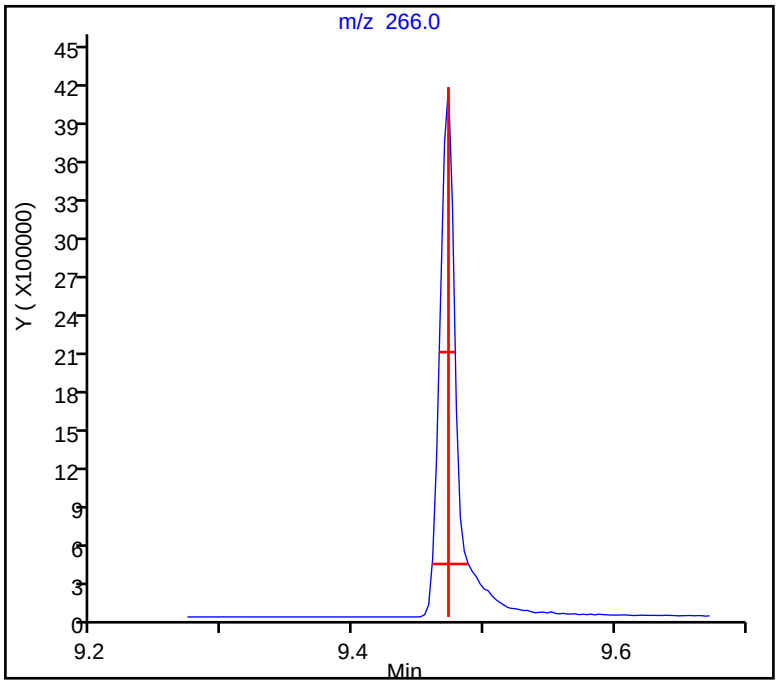
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a005.D
Injection Date: 08-Mar-2022 11:21:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

31 Pentachlorophenol_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.015 (min.)
Front Width = 0.012 (min.)

Tailing Factor = 1.25, Max. Tailing <= 2.00
Passed



Peak Tailing Report

Eurofins Seattle

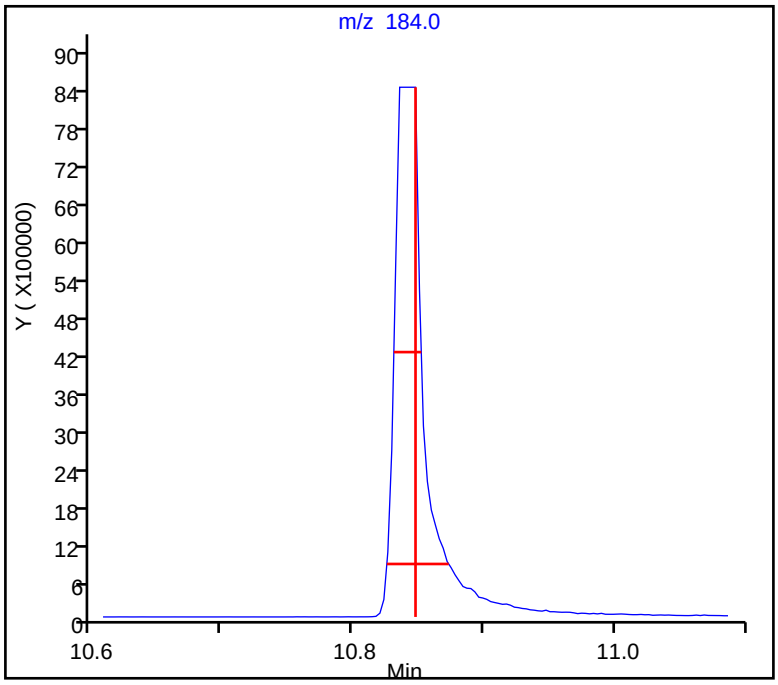
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a005.D
Injection Date: 08-Mar-2022 11:21:30 Instrument ID: TAC050
Lims ID: dftpp
Client ID:
Operator ID: tl ALS Bottle#: 2 Worklist Smp#: 2
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

33 Benzidine_T, Detector: MS SCAN

Peak Tailing Factor =
BackWidth/FrontWidth @ 10% Peak Height

Back Width = 0.025 (min.)
Front Width = 0.022 (min.)

Tailing Factor = 1.14, Max. Tailing <= 2.00
Passed



FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: | Lab Sample ID: MB 580-383033/1-A

Matrix: Water | Lab File ID: SIM030822a007.D

Analysis Method: 8270E SIM | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1000(mL) | Date Analyzed: 03/08/2022 12:09

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383161 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	0.032	U	0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	0.080	U	0.20	0.080	0.039
83-32-9	Acenaphthene	0.032	U	0.10	0.032	0.014
208-96-8	Acenaphthylene	0.032	U	0.050	0.032	0.0090
120-12-7	Anthracene	0.080	U	0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	0.032	U	0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	0.032	U	0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	0.032	U	0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	0.032	U	0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	0.032	U	0.050	0.032	0.012
218-01-9	Chrysene	0.032	U	0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	0.032	U	0.10	0.032	0.026
206-44-0	Fluoranthene	0.032	U	0.20	0.032	0.018
86-73-7	Fluorene	0.032	U	0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.032	0.014
91-20-3	Naphthalene	0.080	U	0.10	0.080	0.031
85-01-8	Phenanthrene	0.080	U	0.10	0.080	0.031
129-00-0	Pyrene	0.080	U	0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	61	M	40-140
93951-69-0	Fluoranthene-d10 (Surr)	94		40-140
1718-51-0	Terphenyl-d14	103		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a007.D
Lims ID: MB 580-383033/1-A
Client ID:
Sample Type: MB
Inject. Date: 08-Mar-2022 12:09:30 ALS Bottle#: 4 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 580-383033/1-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 08-Mar-2022 15:07:13 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 15:07:13

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.166	5.171	-0.005	90	17977	100.0	100.0	
* 2 Acenaphthene-d10	164	6.863	6.858	0.005	71	6665	100.0	100.0	
* 3 Phenanthrene-d10	188	8.327	8.326	0.001	56	12924	100.0	100.0	
* 4 Chrysene-d12	240	11.053	11.044	0.009	49	10478	100.0	100.0	
* 5 Perylene-d12	264	13.111	13.111	0.000	69	10697	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	64371	1000.0	605.3	M
$ 10 2-Fluorobiphenyl	172	6.190	6.193	-0.003	0	77310	1000.0	724.9	Ma
$ 7 2,4,6-Tribromophenol	330	7.646	7.646	0.000	58	14678	1000.0	805.9	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.514	-0.008	68	125448	1000.0	939.6	
$ 9 Terphenyl-d14	244	9.900	9.908	-0.008	94	107155	1000.0	1034.5	

QC Flag Legend

Processing Flags
Review Flags
M - Manually Integrated
a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 15:07:13 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a007.D

Injection Date: 08-Mar-2022 12:09:30 Instrument ID: TAC050

Lims ID: MB 580-383033/1-A

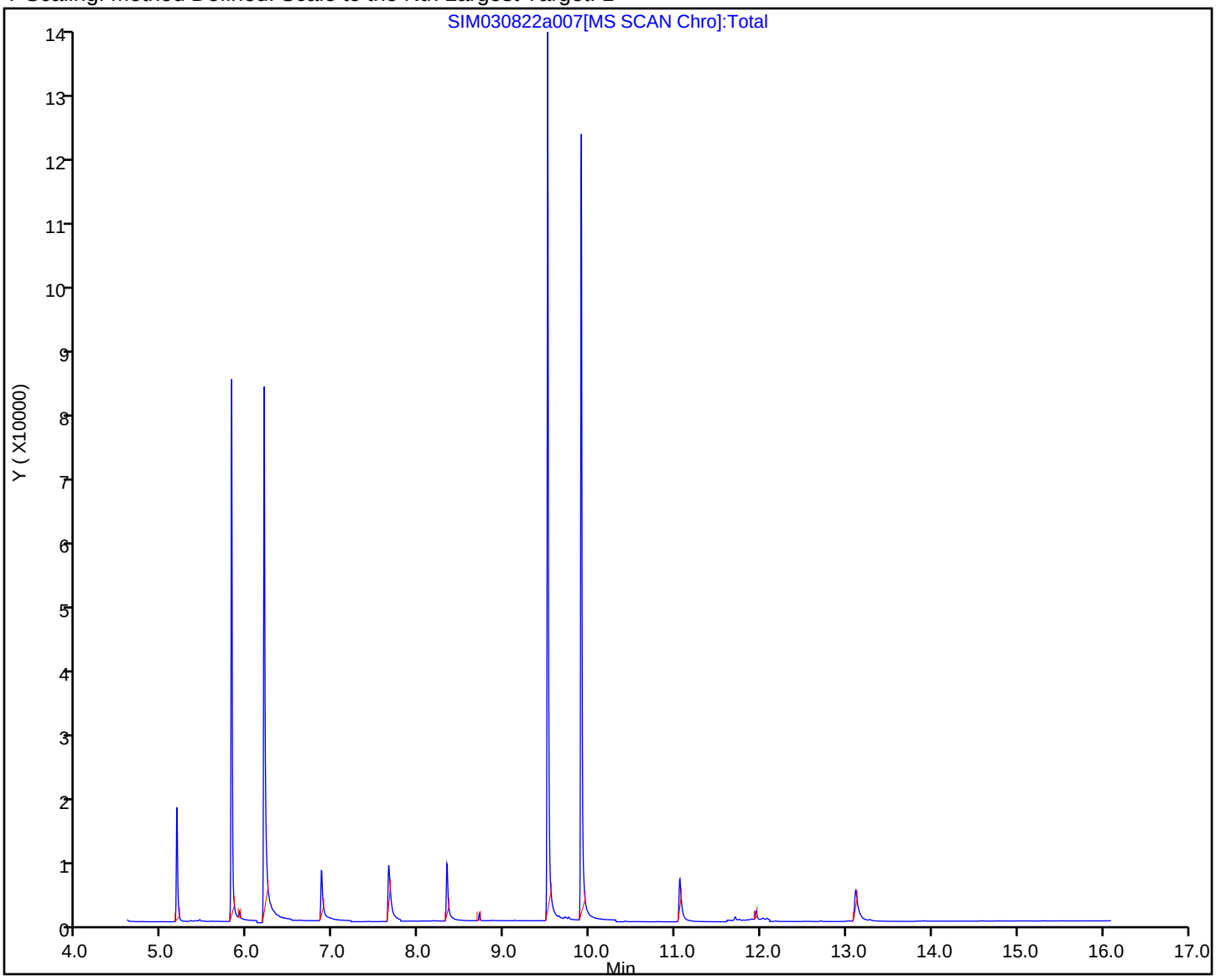
Client ID:

Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 37

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a007.D
Lims ID: MB 580-383033/1-A
Client ID:
Sample Type: MB
Inject. Date: 08-Mar-2022 12:09:30 ALS Bottle#: 4 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: MB 580-383033/1-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 08-Mar-2022 15:07:13 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 15:07:13

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	605.3	60.53
$ 10 2-Fluorobiphenyl	1000.0	724.9	72.49
$ 7 2,4,6-Tribromophenol	1000.0	805.9	80.59
$ 8 Fluoranthene-d10 (Surr)	1000.0	939.6	93.96
$ 9 Terphenyl-d14	1000.0	1034.5	103.45

Manual Integration/User Assign Peak Report

Eurofins Seattle

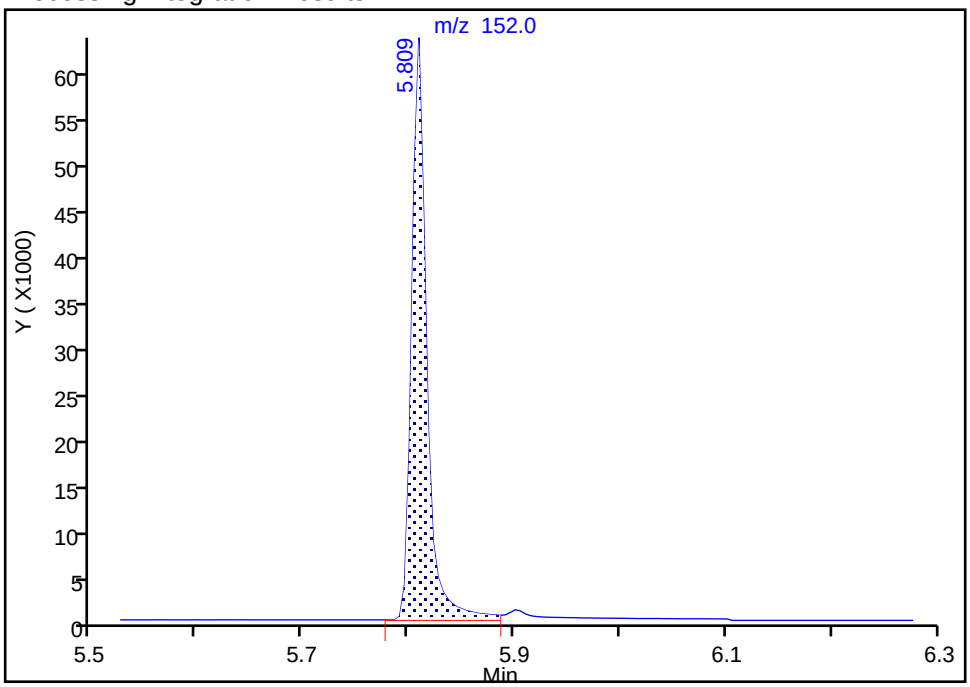
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a007.D
Injection Date: 08-Mar-2022 12:09:30 Instrument ID: TAC050
Lims ID: MB 580-383033/1-A
Client ID:
Operator ID: tl ALS Bottle#: 4 Worklist Smp#: 37
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 6 2-methylnaphthalene-d10, CAS: 7297-45-2

Signal: 1

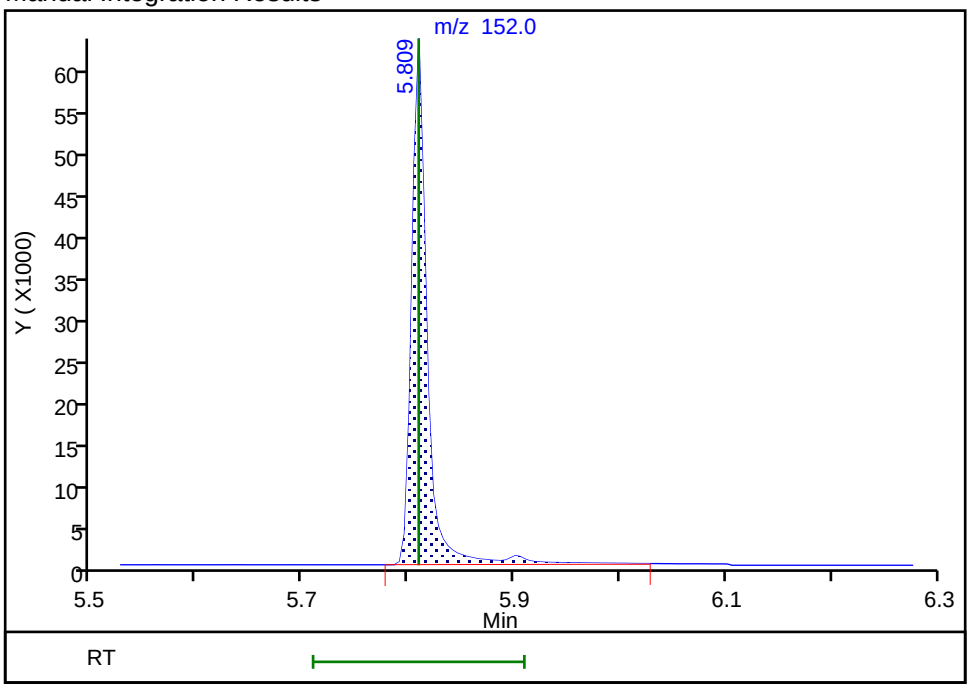
Processing Integration Results

RT: 5.81
Area: 62548
Amount: 588.1267
Amount Units: ug/L



Manual Integration Results

RT: 5.81
Area: 64371
Amount: 605.2680
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 15:07:02
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCS 580-383033/2-A

Matrix: Water | Lab File ID: SIM030822a008.D

Analysis Method: 8270E SIM | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1000(mL) | Date Analyzed: 03/08/2022 12:28

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383161 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	1.36		0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	1.33		0.20	0.080	0.039
83-32-9	Acenaphthene	1.37		0.10	0.032	0.014
208-96-8	Acenaphthylene	1.31		0.050	0.032	0.0090
120-12-7	Anthracene	1.68		0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	1.63		0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	1.66		0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	1.58		0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	1.86		0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	1.99		0.050	0.032	0.012
218-01-9	Chrysene	1.74		0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	1.79	M	0.10	0.032	0.026
206-44-0	Fluoranthene	1.74		0.20	0.032	0.018
86-73-7	Fluorene	1.52		0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	1.48	M	0.050	0.032	0.014
91-20-3	Naphthalene	1.40		0.10	0.080	0.031
85-01-8	Phenanthrene	1.55		0.10	0.080	0.031
129-00-0	Pyrene	1.72		0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	65		40-140
93951-69-0	Fluoranthene-d10 (Surr)	86		40-140
1718-51-0	Terphenyl-d14	95		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a008.D
Lims ID: LCS 580-383033/2-A
Client ID:
Sample Type: LCS
Inject. Date: 08-Mar-2022 12:28:30 ALS Bottle#: 5 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 580-383033/2-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 08-Mar-2022 15:08:10 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 15:08:10

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	18570	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.858	-0.004	71	9255	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.326	-0.007	56	15182	100.0	100.0	
* 4 Chrysene-d12	240	11.035	11.044	-0.009	53	12432	100.0	100.0	
* 5 Perylene-d12	264	13.097	13.111	-0.014	69	13496	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	71875	1000.0	654.2	
$ 10 2-Fluorobiphenyl	172	6.190	6.193	-0.003	0	92398	1000.0	623.9	Ma
$ 7 2,4,6-Tribromophenol	330	7.632	7.646	-0.014	58	20611	1000.0	814.6	
$ 8 Fluoranthene-d10 (Surr)	212	9.506	9.514	-0.008	68	135013	1000.0	860.7	
$ 9 Terphenyl-d14	244	9.896	9.908	-0.012	95	115841	1000.0	952.0	
11 Naphthalene	128	5.189	5.189	0.000	100	137489	1000.0	700.0	
12 2-Methylnaphthalene	141	5.841	5.841	0.000	92	74025	1000.0	664.6	
13 1-Methylnaphthalene	141	5.932	5.937	-0.005	99	73548	1000.0	681.7	
14 Acenaphthylene	152	6.713	6.717	-0.004	100	128085	1000.0	654.6	
15 Acenaphthene	153	6.884	6.884	0.000	98	83871	1000.0	683.0	
16 Fluorene	166	7.389	7.394	-0.005	96	104021	1000.0	759.9	
17 Pentachlorophenol	266	8.138	8.154	-0.016	97	19232	2000.0	1253.9	
18 Phenanthrene	178	8.342	8.350	-0.008	100	147987	1000.0	775.0	
19 Anthracene	178	8.393	8.401	-0.008	100	161812	1000.0	838.9	
20 Fluoranthene	202	9.522	9.534	-0.012	56	163917	1000.0	869.0	
21 Pyrene	202	9.750	9.758	-0.008	51	170488	1000.0	857.9	
22 Benzo[a]anthracene	228	11.017	11.030	-0.013	95	145896	1000.0	816.2	
23 Chrysene	228	11.062	11.076	-0.014	99	162363	1000.0	870.4	
30 Bis(2-ethylhexyl) phthalate	149	11.885	11.895	-0.010	0	179371	1000.0	803.4	Ma
24 Benzo[b]fluoranthene	252	12.479	12.498	-0.019	97	138975	1000.0	789.1	
25 Benzo[k]fluoranthene	252	12.521	12.539	-0.018	95	195872	1000.0	992.7	
26 Benzo[a]pyrene	252	13.001	13.015	-0.014	96	146024	1000.0	831.0	
27 Indeno[1,2,3-cd]pyrene	276	14.962	14.984	-0.022	95	110135	1000.0	742.1	M
28 Dibenz(a,h)anthracene	278	15.011	15.033	-0.022	96	152262	1000.0	897.2	a
29 Benzo[g,h,i]perylene	276	15.461	15.477	-0.016	94	170706	1000.0	928.1	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 15:08:10 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a008.D

Injection Date: 08-Mar-2022 12:28:30 Instrument ID: TAC050

Lims ID: LCS 580-383033/2-A

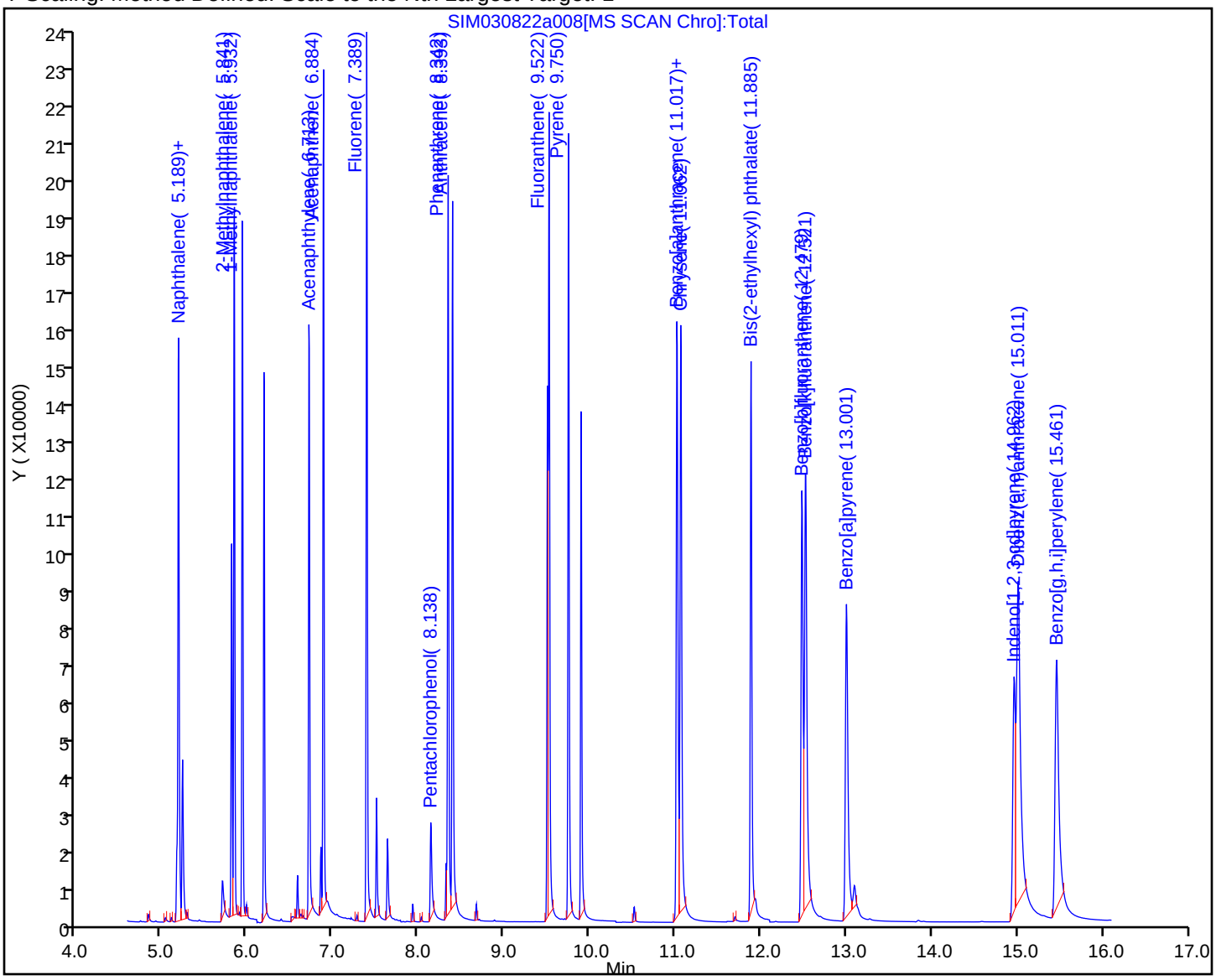
Client ID:

Operator ID: tl ALS Bottle#: 5 Worklist Smp#: 38

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a008.D
Lims ID: LCS 580-383033/2-A
Client ID:
Sample Type: LCS
Inject. Date: 08-Mar-2022 12:28:30 ALS Bottle#: 5 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCS 580-383033/2-A
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 08-Mar-2022 15:08:10 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 15:08:10

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	654.2	65.42
$ 10 2-Fluorobiphenyl	1000.0	623.9	62.39
$ 7 2,4,6-Tribromophenol	1000.0	814.6	81.46
$ 8 Fluoranthene-d10 (Surr)	1000.0	860.7	86.07
$ 9 Terphenyl-d14	1000.0	952.0	95.20

Manual Integration/User Assign Peak Report

Eurofins Seattle

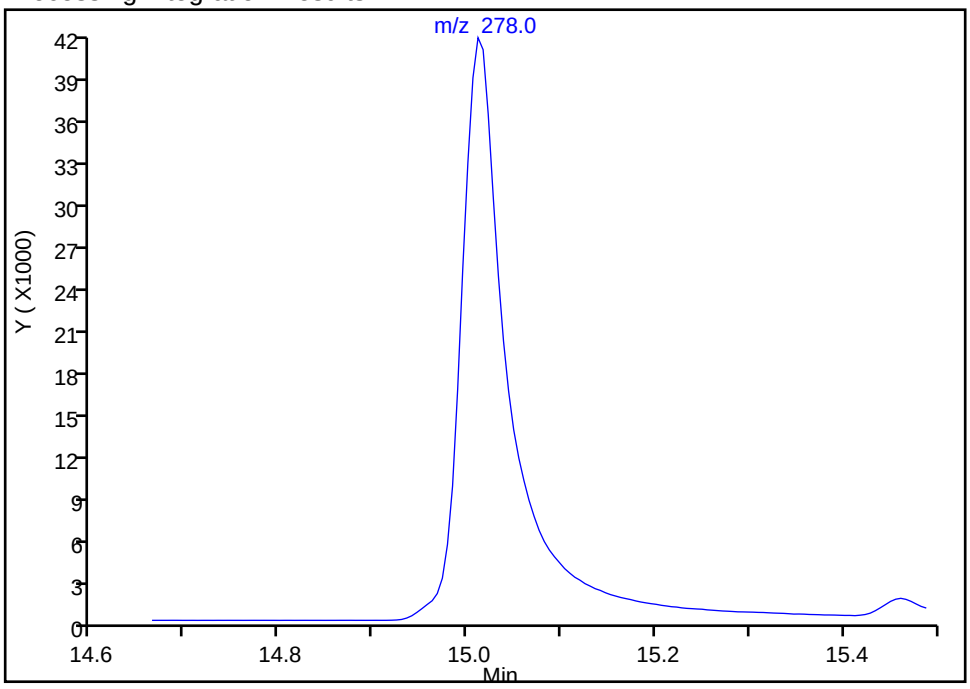
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a008.D				
Injection Date:	08-Mar-2022 12:28:30	Instrument ID:	TAC050		
Lims ID:	LCS 580-383033/2-A				
Client ID:					
Operator ID:	tl	ALS Bottle#:	5	Worklist Smp#:	38
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

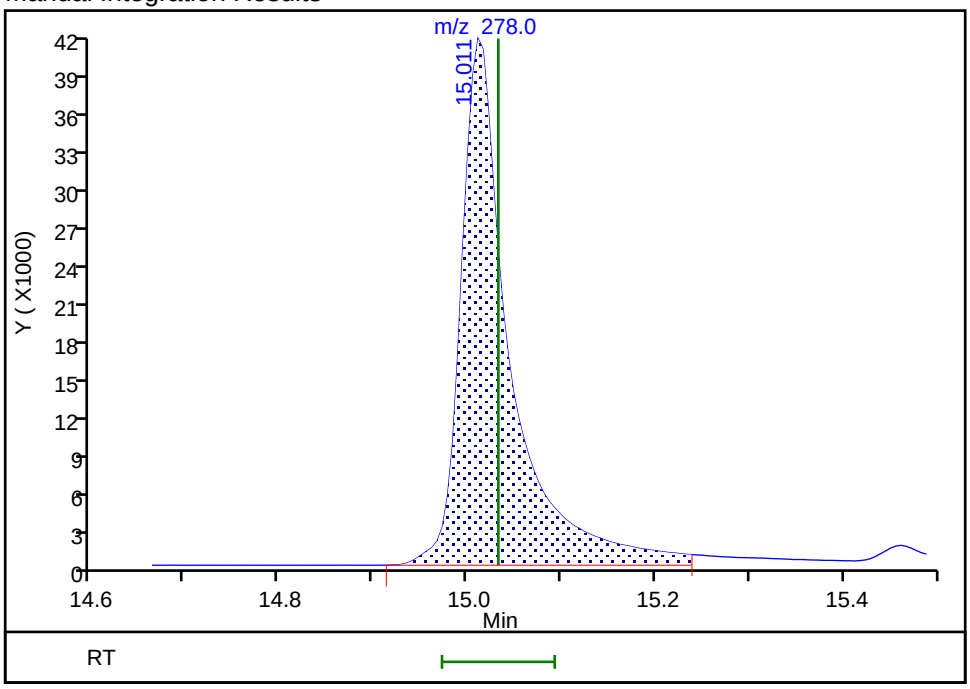
Not Detected
Expected RT: 15.03

Processing Integration Results



Manual Integration Results

RT: 15.01
Area: 152262
Amount: 897.2449
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 15:08:06
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

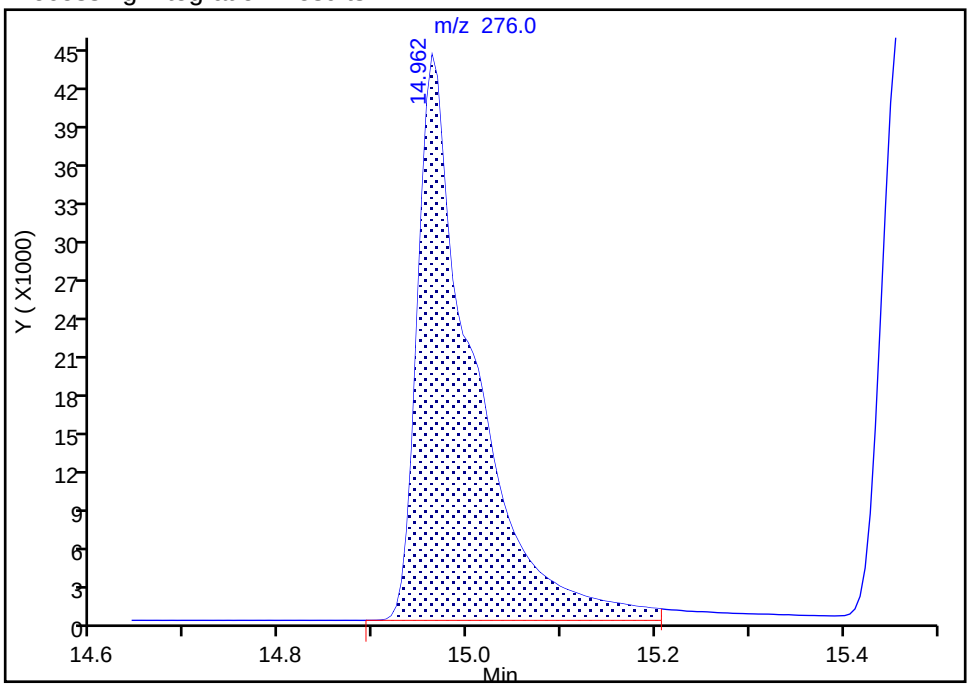
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a008.D
Injection Date: 08-Mar-2022 12:28:30 Instrument ID: TAC050
Lims ID: LCS 580-383033/2-A
Client ID:
Operator ID: tl ALS Bottle#: 5 Worklist Smp#: 38
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

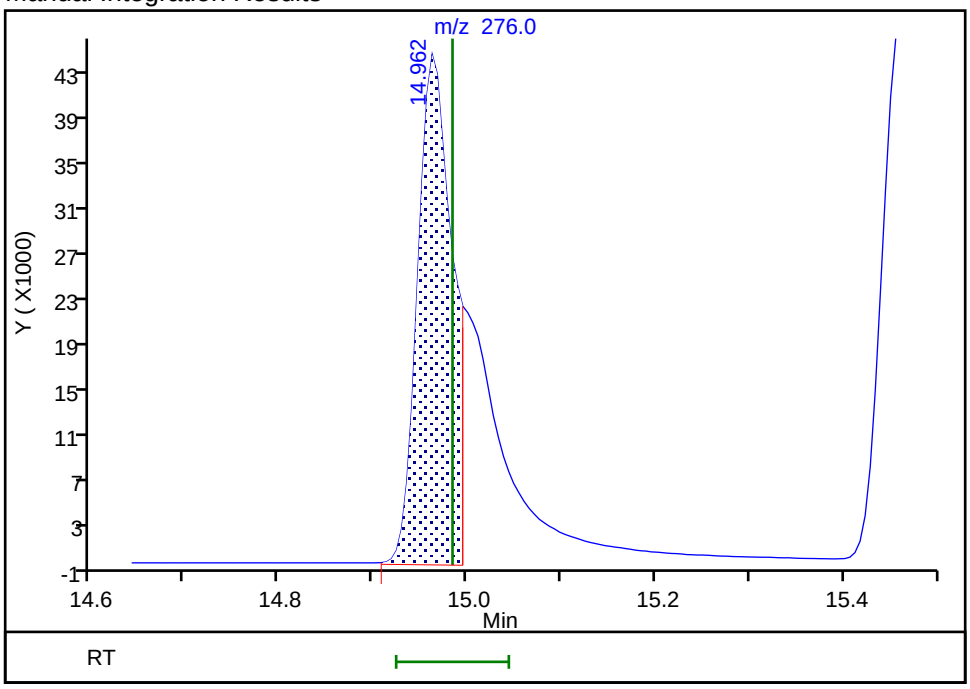
Processing Integration Results

RT: 14.96
Area: 180220
Amount: 1206.3483
Amount Units: ug/L



Manual Integration Results

RT: 14.96
Area: 110135
Amount: 742.1328
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 15:08:03
Audit Action: Manually Integrated Audit Reason: Baseline

FORM I
GC/MS SEMI VOA ORGANICS ANALYSIS DATA SHEET

Lab Name: Eurofins Seattle | Job No.: 580-110975-1

SDG No.:

Client Sample ID: | Lab Sample ID: LCSD 580-383033/3-A

Matrix: Water | Lab File ID: SIM030822a009.D

Analysis Method: 8270E SIM | Date Collected:

Extract. Method: 3510C | Date Extracted: 03/07/2022 09:32

Sample wt/vol: 1000(mL) | Date Analyzed: 03/08/2022 12:48

Con. Extract Vol.: 2(mL) | Dilution Factor: 1

Injection Volume: 1(uL) | Level: (low/med) Low

% Moisture: | GPC Cleanup:(Y/N) N

Analysis Batch No.: 383161 | Units: ug/L

CAS NO.	COMPOUND NAME	RESULT	Q	LOQ	LOD	DL
90-12-0	1-Methylnaphthalene	1.11		0.10	0.032	0.019
91-57-6	2-Methylnaphthalene	1.07	Q	0.20	0.080	0.039
83-32-9	Acenaphthene	1.25		0.10	0.032	0.014
208-96-8	Acenaphthylene	1.19		0.050	0.032	0.0090
120-12-7	Anthracene	1.65		0.10	0.080	0.022
56-55-3	Benzo[a]anthracene	1.69		0.050	0.032	0.014
50-32-8	Benzo[a]pyrene	1.74		0.10	0.032	0.011
205-99-2	Benzo[b]fluoranthene	1.75		0.050	0.032	0.011
191-24-2	Benzo[g,h,i]perylene	1.98		0.050	0.032	0.012
207-08-9	Benzo[k]fluoranthene	2.10		0.050	0.032	0.012
218-01-9	Chrysene	1.80		0.10	0.032	0.016
53-70-3	Dibenz(a,h)anthracene	1.90	M	0.10	0.032	0.026
206-44-0	Fluoranthene	1.77		0.20	0.032	0.018
86-73-7	Fluorene	1.40		0.10	0.032	0.017
193-39-5	Indeno[1,2,3-cd]pyrene	1.72	M	0.050	0.032	0.014
91-20-3	Naphthalene	1.18		0.10	0.080	0.031
85-01-8	Phenanthrene	1.51		0.10	0.080	0.031
129-00-0	Pyrene	1.75		0.10	0.080	0.033

CAS NO.	SURROGATE	%REC	Q	LIMITS
7297-45-2	2-methylnaphthalene-d10	61	M	40-140
93951-69-0	Fluoranthene-d10 (Surr)	86		40-140
1718-51-0	Terphenyl-d14	94		58-132

Eurofins Seattle
Target Compound Quantitation Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a009.D
Lims ID: LCSD 580-383033/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 08-Mar-2022 12:48:30 ALS Bottle#: 6 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 580-383033/3
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 08-Mar-2022 15:09:47 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 15:09:47

Compound	Sig	RT (min.)	Exp RT (min.)	Dlt RT (min.)	Q	Response	Cal Amt ug/L	OnCol Amt ug/L	Flags
* 1 Naphthalene-d8	136	5.171	5.171	0.000	90	19703	100.0	100.0	
* 2 Acenaphthene-d10	164	6.854	6.858	-0.004	71	9308	100.0	100.0	
* 3 Phenanthrene-d10	188	8.319	8.326	-0.007	56	15516	100.0	100.0	
* 4 Chrysene-d12	240	11.035	11.044	-0.009	54	12508	100.0	100.0	
* 5 Perylene-d12	264	13.093	13.111	-0.018	69	13084	100.0	100.0	
$ 6 2-methylnaphthalene-d10	152	5.809	5.809	0.000	67	70833	1000.0	607.7	M
$ 10 2-Fluorobiphenyl	172	6.187	6.193	-0.006	0	82014	1000.0	550.6	Ma
$ 7 2,4,6-Tribromophenol	330	7.632	7.646	-0.014	58	20079	1000.0	789.9	
$ 8 Fluoranthene-d10 (Surr)	212	9.502	9.514	-0.012	69	137283	1000.0	856.3	
$ 9 Terphenyl-d14	244	9.896	9.908	-0.012	95	116945	1000.0	940.4	
11 Naphthalene	128	5.189	5.189	0.000	100	123249	1000.0	591.4	
12 2-Methylnaphthalene	141	5.837	5.841	-0.004	99	63259	1000.0	535.3	
13 1-Methylnaphthalene	141	5.933	5.937	-0.004	99	63660	1000.0	556.1	
14 Acenaphthylene	152	6.713	6.717	-0.004	100	116721	1000.0	593.1	
15 Acenaphthene	153	6.880	6.884	-0.004	94	76910	1000.0	622.8	
16 Fluorene	166	7.389	7.394	-0.005	96	96496	1000.0	700.9	
17 Pentachlorophenol	266	8.138	8.154	-0.016	98	21979	2000.0	1381.6	
18 Phenanthrene	178	8.342	8.350	-0.008	100	146951	1000.0	753.0	
19 Anthracene	178	8.393	8.401	-0.008	100	162326	1000.0	823.4	
20 Fluoranthene	202	9.522	9.534	-0.012	52	170253	1000.0	883.2	
21 Pyrene	202	9.750	9.758	-0.008	51	178029	1000.0	876.6	
22 Benzo[a]anthracene	228	11.017	11.030	-0.013	95	152382	1000.0	847.3	
23 Chrysene	228	11.062	11.076	-0.014	99	168896	1000.0	900.0	
30 Bis(2-ethylhexyl) phthalate	149	11.882	11.895	-0.013	0	156046	1000.0	700.0	a
24 Benzo[b]fluoranthene	252	12.480	12.498	-0.018	97	148987	1000.0	872.6	
25 Benzo[k]fluoranthene	252	12.521	12.539	-0.018	94	200782	1000.0	1049.6	
26 Benzo[a]pyrene	252	12.997	13.015	-0.018	96	148107	1000.0	869.4	
27 Indeno[1,2,3-cd]pyrene	276	14.962	14.984	-0.022	95	124197	1000.0	861.8	M
28 Dibenz(a,h)anthracene	278	15.011	15.033	-0.022	95	156189	1000.0	949.4	a
29 Benzo[g,h,i]perylene	276	15.456	15.477	-0.021	94	176406	1000.0	989.3	

QC Flag Legend

Processing Flags

Review Flags

M - Manually Integrated

a - User Assigned ID

Reagents:

8270SIM_IS_00069 Amount Added: 10.00 Units: uL Run Reagent

Report Date: 08-Mar-2022 15:09:48 Chrom Revision: 2.3 16-Feb-2022 17:52:00

Eurofins Seattle

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a009.D

Injection Date: 08-Mar-2022 12:48:30 Instrument ID: TAC050

Lims ID: LCSD 580-383033/3-A

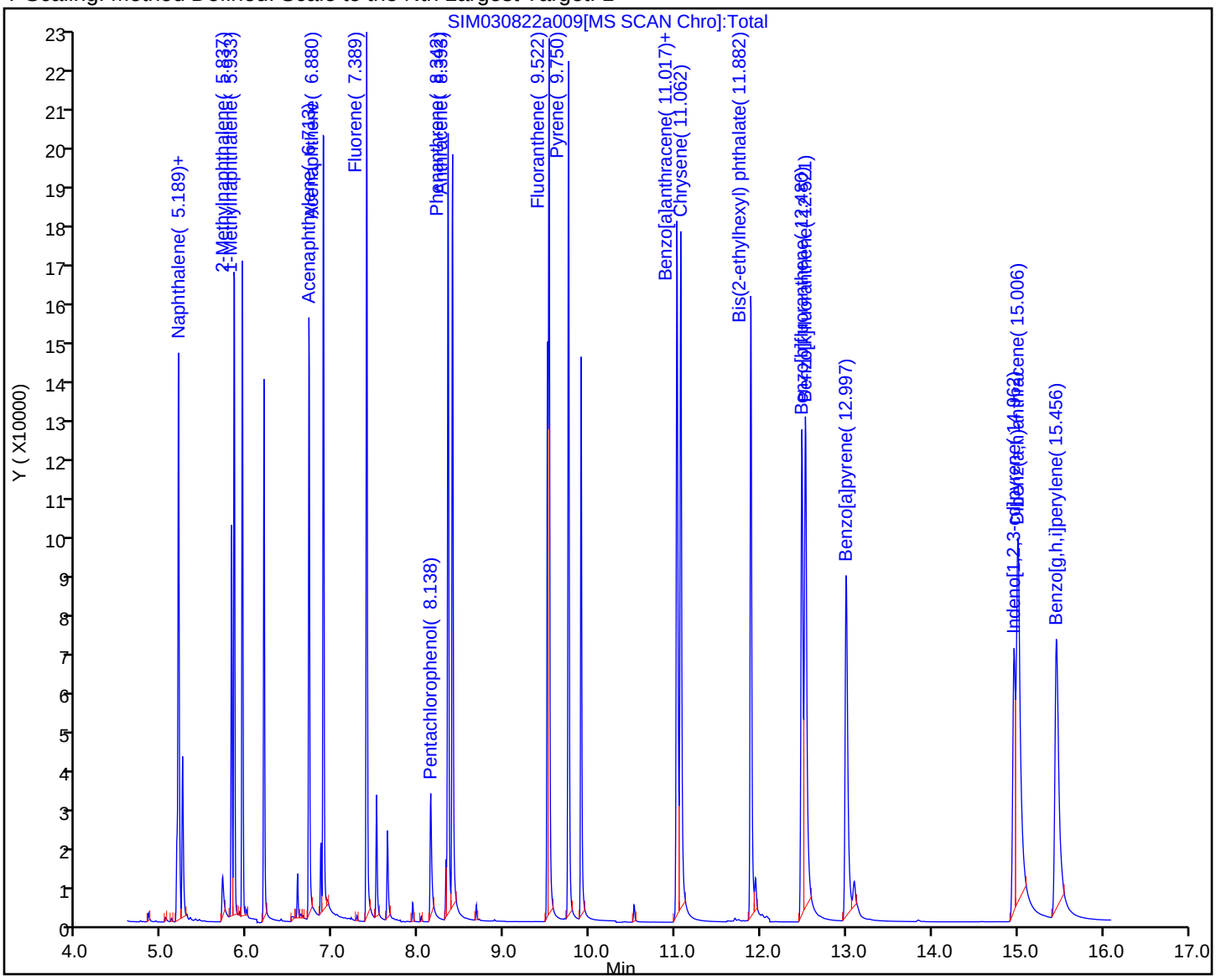
Client ID:

Operator ID: tl ALS Bottle#: 6 Worklist Smp#: 39

Injection Vol: 1.0 ul Dil. Factor: 1.0000

Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0

Y Scaling: Method Defined: Scale to the Nth Largest Target: 1



Eurofins Seattle
Recovery Report

Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a009.D
Lims ID: LCSD 580-383033/3-A
Client ID:
Sample Type: LCSD
Inject. Date: 08-Mar-2022 12:48:30 ALS Bottle#: 6 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Sample Info: LCSD 580-383033/3
Operator ID: tl Instrument ID: TAC050

Method: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\TAC050_SIM_PAH.m
Limit Group: 8270D_SIM QSM 5.0
Last Update: 08-Mar-2022 15:09:47 Calib Date: 14-Jan-2022 05:04:30
Integrator: Falcon ID Type: RT Order ID
Quant Method: Internal Standard Quant By: Initial Calibration
Last ICal File: \\chromfs\Seattle\ChromData\TAC050\20220113-80849.b\SIM011322b026.D

Column 1 : Det: MS SCAN
Process Host: CTX1601

First Level Reviewer: limmere Date: 08-Mar-2022 15:09:47

Compound	Amount Added	Amount Recovered	% Rec.
$ 6 2-methylnaphthalene-d10	1000.0	607.7	60.77
$ 10 2-Fluorobiphenyl	1000.0	550.6	55.06
$ 7 2,4,6-Tribromophenol	1000.0	789.9	78.99
$ 8 Fluoranthene-d10 (Surr)	1000.0	856.3	85.63
$ 9 Terphenyl-d14	1000.0	940.4	94.04

Manual Integration/User Assign Peak Report

Eurofins Seattle

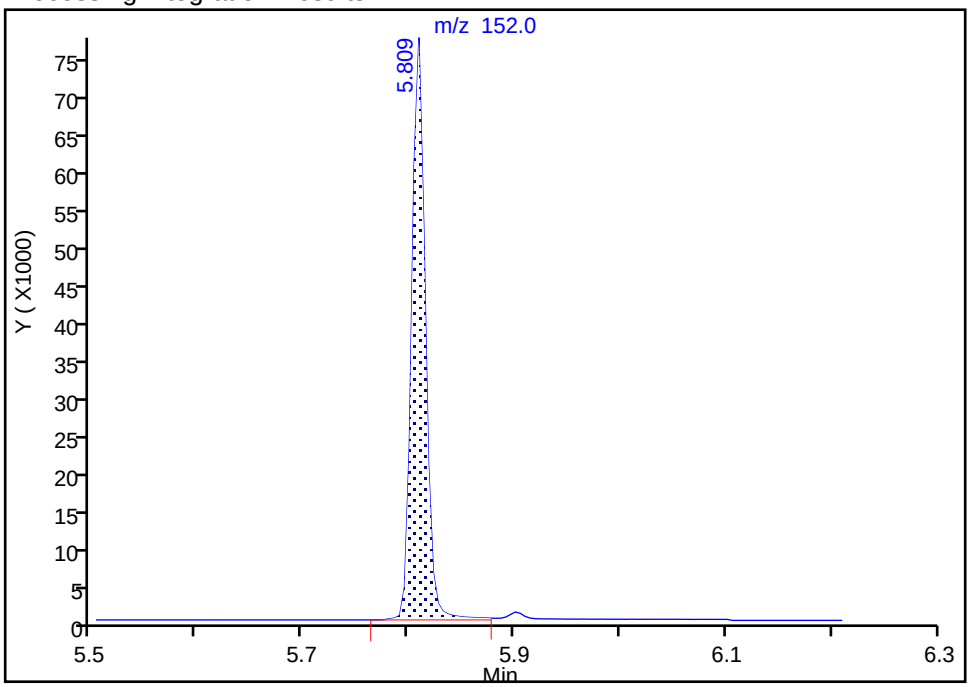
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a009.D
Injection Date: 08-Mar-2022 12:48:30 Instrument ID: TAC050
Lims ID: LCSD 580-383033/3-A
Client ID:
Operator ID: tl ALS Bottle#: 6 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

$ 6 2-methylnaphthalene-d10, CAS: 7297-45-2

Signal: 1

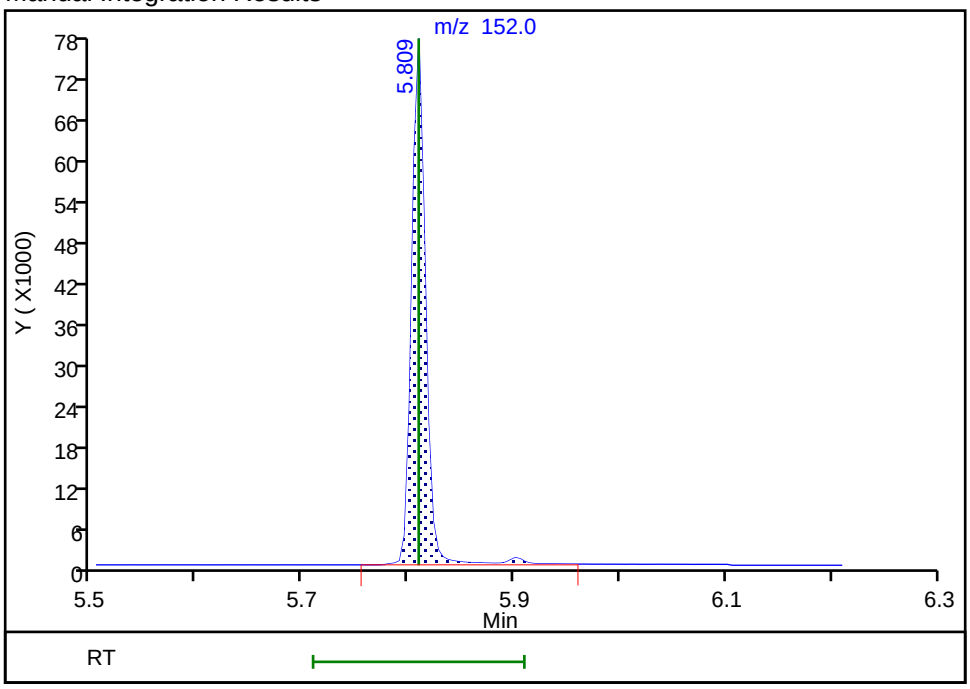
Processing Integration Results

RT: 5.81
Area: 69312
Amount: 594.6354
Amount Units: ug/L



Manual Integration Results

RT: 5.81
Area: 70833
Amount: 607.6842
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 15:08:29
Audit Action: Manually Integrated Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

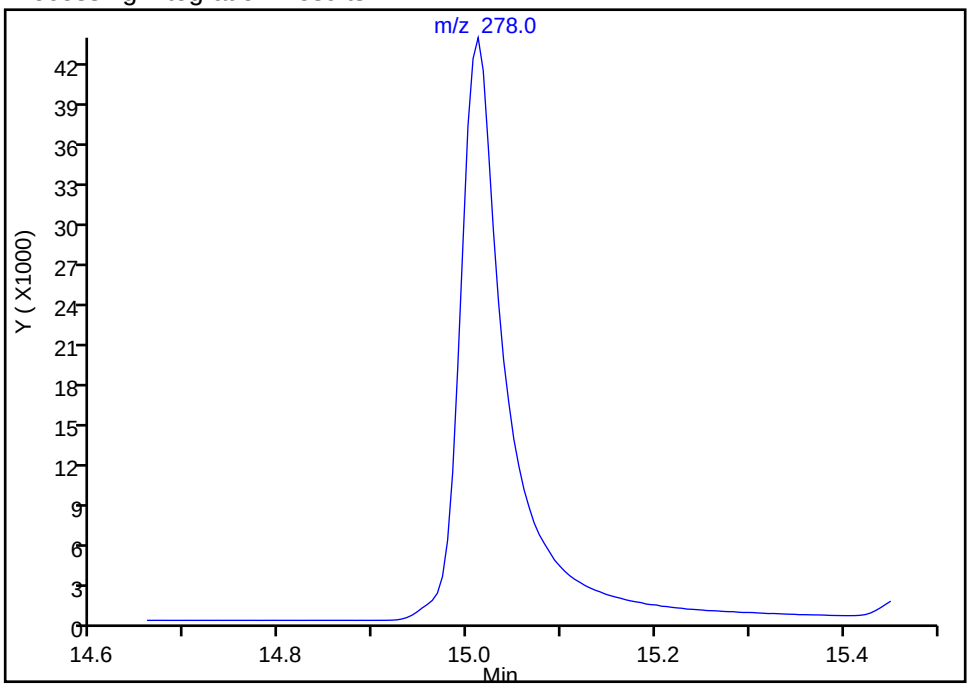
Data File:	\\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a009.D				
Injection Date:	08-Mar-2022 12:48:30	Instrument ID:	TAC050		
Lims ID:	LCSD 580-383033/3-A				
Client ID:					
Operator ID:	tl	ALS Bottle#:	6	Worklist Smp#:	39
Injection Vol:	1.0 ul	Dil. Factor:	1.0000		
Method:	TAC050_SIM_PAH	Limit Group:	8270D_SIM QSM 5.0		
Column:		Detector	MS SCAN		

28 Dibenz(a,h)anthracene, CAS: 53-70-3

Signal: 1

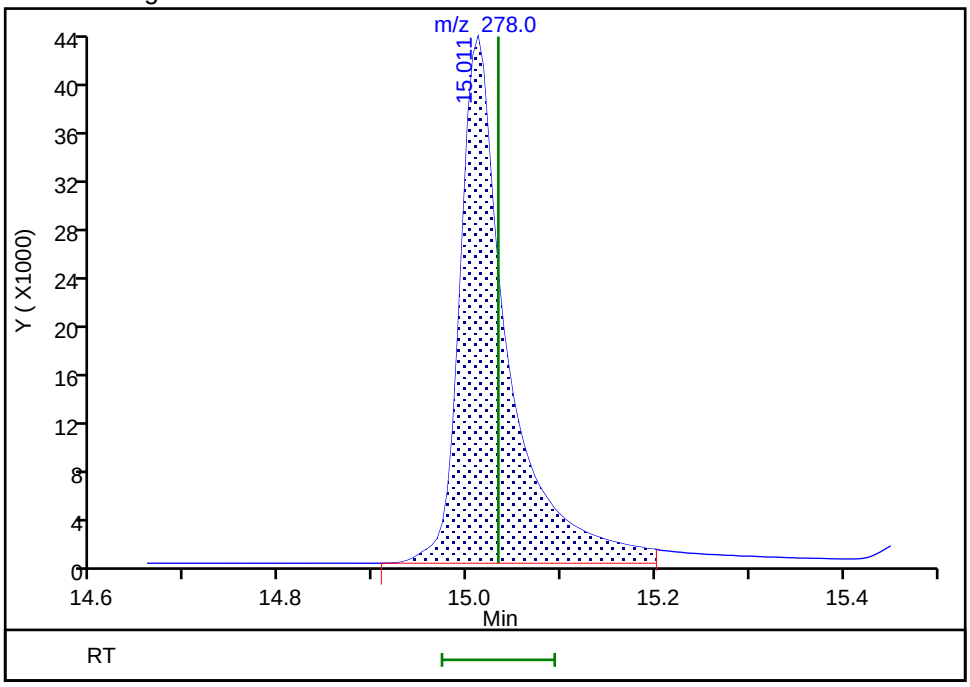
Not Detected
Expected RT: 15.03

Processing Integration Results



Manual Integration Results

RT: 15.01
Area: 156189
Amount: 949.4027
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 15:08:57
Audit Action: Assigned Compound ID Audit Reason: Baseline

Manual Integration/User Assign Peak Report

Eurofins Seattle

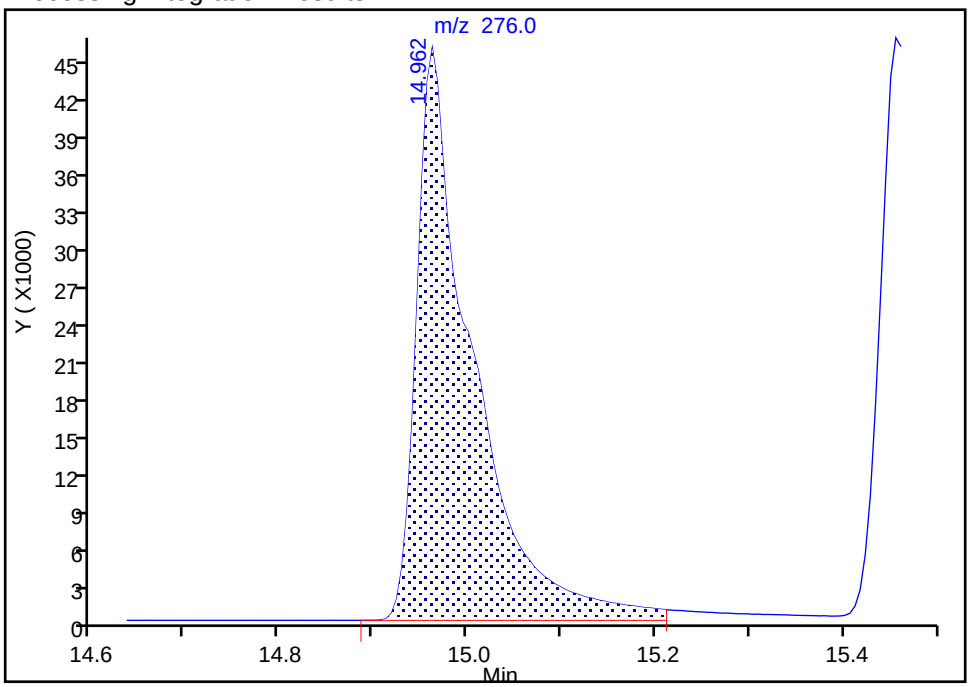
Data File: \\chromfs\Seattle\ChromData\TAC050\20220308-81635.b\SIM030822a009.D
Injection Date: 08-Mar-2022 12:48:30 Instrument ID: TAC050
Lims ID: LCSD 580-383033/3-A
Client ID:
Operator ID: tl ALS Bottle#: 6 Worklist Smp#: 39
Injection Vol: 1.0 ul Dil. Factor: 1.0000
Method: TAC050_SIM_PAH Limit Group: 8270D_SIM QSM 5.0
Column: Detector MS SCAN

27 Indeno[1,2,3-cd]pyrene, CAS: 193-39-5

Signal: 1

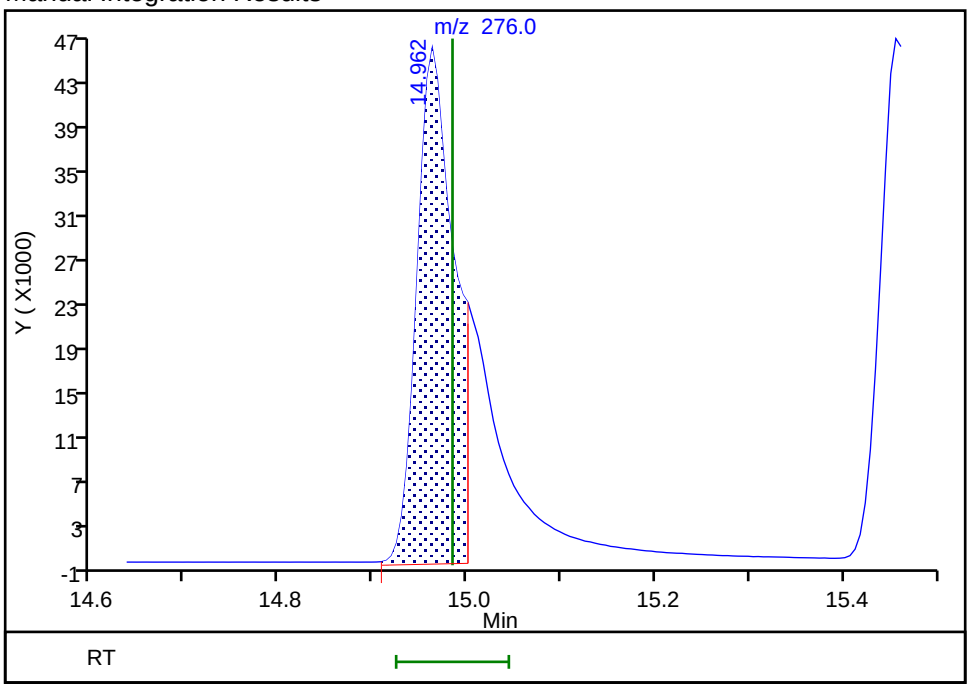
Processing Integration Results

RT: 14.96
Area: 187617
Amount: 1293.8040
Amount Units: ug/L



Manual Integration Results

RT: 14.96
Area: 124197
Amount: 861.7504
Amount Units: ug/L



Reviewer: limmere, 08-Mar-2022 15:09:07
Audit Action: Manually Integrated Audit Reason: Baseline

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Start Date: 01/14/2022 00:35

Analysis Batch Number: 378263 End Date: 01/14/2022 05:42

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-378263/2		01/14/2022 00:35	1	SIM011322b012.D	ZB-SV 0.25(mm)
STD13 580-378263/4 IC		01/14/2022 01:16	1	SIM011322b014.D	ZB-SV 0.25(mm)
STD12 580-378263/5 IC		01/14/2022 01:35	1	SIM011322b015.D	ZB-SV 0.25(mm)
STD11 580-378263/6 IC		01/14/2022 01:54	1	SIM011322b016.D	ZB-SV 0.25(mm)
STD10 580-378263/7 IC		01/14/2022 02:13	1	SIM011322b017.D	ZB-SV 0.25(mm)
STD9IS 580-378263/8 IC		01/14/2022 02:32	1	SIM011322b018.D	ZB-SV 0.25(mm)
STD8 580-378263/9 IC		01/14/2022 02:51	1	SIM011322b019.D	ZB-SV 0.25(mm)
STD7 580-378263/10 IC		01/14/2022 03:10	1	SIM011322b020.D	ZB-SV 0.25(mm)
STD6 580-378263/11 IC		01/14/2022 03:29	1	SIM011322b021.D	ZB-SV 0.25(mm)
STD5 580-378263/12 IC		01/14/2022 03:48	1	SIM011322b022.D	ZB-SV 0.25(mm)
STD4 580-378263/13 IC		01/14/2022 04:07	1	SIM011322b023.D	ZB-SV 0.25(mm)
STD3 580-378263/14 IC		01/14/2022 04:26	1	SIM011322b024.D	ZB-SV 0.25(mm)
STD2 580-378263/15 IC		01/14/2022 04:45	1	SIM011322b025.D	ZB-SV 0.25(mm)
STD1 580-378263/16 IC		01/14/2022 05:04	1	SIM011322b026.D	ZB-SV 0.25(mm)
ICV 580-378263/18		01/14/2022 05:42	1	SIM011322b028.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA ANALYSIS RUN LOG

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Instrument ID: TAC050 Start Date: 03/08/2022 11:21

Analysis Batch Number: 383161 End Date: 03/08/2022 16:57

LAB SAMPLE ID	CLIENT SAMPLE ID	DATE ANALYZED	DILUTION FACTOR	LAB FILE ID	COLUMN ID
DFTPP 580-383161/2		03/08/2022 11:21	1	SIM030822a005.D	ZB-SV 0.25(mm)
CCVIS 580-383161/3		03/08/2022 11:50	1	SIM030822a006.D	ZB-SV 0.25(mm)
MB 580-383033/1-A		03/08/2022 12:09	1	SIM030822a007.D	ZB-SV 0.25(mm)
LCS 580-383033/2-A		03/08/2022 12:28	1	SIM030822a008.D	ZB-SV 0.25(mm)
LCSD 580-383033/3-A		03/08/2022 12:48	1	SIM030822a009.D	ZB-SV 0.25(mm)
ZZZZZ		03/08/2022 13:07	1		ZB-SV 0.25(mm)
580-110975-1	ERH2673 (RHMW07)	03/08/2022 13:26	1	SIM030822a011.D	ZB-SV 0.25(mm)
580-110975-2	ERH2648 (RHMW08)	03/08/2022 13:45	1	SIM030822a012.D	ZB-SV 0.25(mm)
580-110975-3	ERH2649 (OWDFMW07A)	03/08/2022 14:04	1	SIM030822a013.D	ZB-SV 0.25(mm)
580-110975-4	ERH2650 (OWDFMW08A)	03/08/2022 14:23	1	SIM030822a014.D	ZB-SV 0.25(mm)
580-110975-5	ERH2651 (OWDFMW08A FD)	03/08/2022 14:43	1	SIM030822a015.D	ZB-SV 0.25(mm)
580-110975-6	ERH2652 (RHMW14-3)	03/08/2022 15:02	1	SIM030822a016.D	ZB-SV 0.25(mm)
580-110975-7	ERH2653 (RHMW16)	03/08/2022 15:21	1	SIM030822a017.D	ZB-SV 0.25(mm)
580-110975-8	ERH2654 (RHMW12A)	03/08/2022 15:40	1	SIM030822a018.D	ZB-SV 0.25(mm)
580-110975-9	ERH2655 (RHMW04)	03/08/2022 15:59	1	SIM030822a019.D	ZB-SV 0.25(mm)
ZZZZZ		03/08/2022 16:19	1		ZB-SV 0.25(mm)
ZZZZZ		03/08/2022 16:38	1		ZB-SV 0.25(mm)
CCVC 580-383161/52		03/08/2022 16:57	1	SIM030822a022.D	ZB-SV 0.25(mm)

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Batch Number: 383033 Batch Start Date: 03/07/22 09:32 Batch Analyst: Yu, Johnathon J

Batch Method: 3510C Batch End Date: 03/07/22 15:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	GrossWeight	TareWeight	InitialAmount	FinalAmount	ReceivedpH	FirstAdjustpH
MB 580-383033/1		3510C, 8270E SIM				1000 mL	2 mL	7 SU	2 SU
LCS 580-383033/2		3510C, 8270E SIM				1000 mL	2 mL	7 SU	2 SU
LCSD 580-383033/3		3510C, 8270E SIM				1000 mL	2 mL	7 SU	2 SU
580-110975-B-1	ERH2673 (RHMW07)	3510C, 8270E SIM	T	01461.20 g	00466.79 g	994.4 mL	2 mL	7 SU	2 SU
580-110975-A-2	ERH2648 (RHMW08)	3510C, 8270E SIM	T	01460.63 g	00468.74 g	991.9 mL	2 mL	7 SU	2 SU
580-110975-B-3	ERH2649 (OWDFMW07A)	3510C, 8270E SIM	T	01445.84 g	00467.69 g	978.2 mL	2 mL	7 SU	2 SU
580-110975-A-4	ERH2650 (OWDFMW08A)	3510C, 8270E SIM	T	01460.93 g	00466.18 g	994.8 mL	2 mL	7 SU	2 SU
580-110975-A-5	ERH2651 (OWDFMW08A FD)	3510C, 8270E SIM	T	01567.44 g	00514.94 g	1052.5 mL	2 mL	7 SU	2 SU
580-110975-B-6	ERH2652 (RHMW14-3)	3510C, 8270E SIM	T	01460.86 g	00467.79 g	993.1 mL	2 mL	7 SU	2 SU
580-110975-A-7	ERH2653 (RHMW16)	3510C, 8270E SIM	T	01463.72 g	00467.75 g	996 mL	2 mL	7 SU	2 SU
580-110975-A-8	ERH2654 (RHMW12A)	3510C, 8270E SIM	T	01462.57 g	00468.57 g	994 mL	2 mL	7 SU	2 SU
580-110975-A-9	ERH2655 (RHMW04)	3510C, 8270E SIM	T	01464.43 g	00466.72 g	997.7 mL	2 mL	7 SU	2 SU

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270flspk 00296	8270waterSurr 00118			
MB 580-383033/1		3510C, 8270E SIM		12 SU		100 uL			
LCS 580-383033/2		3510C, 8270E SIM		12 SU	100 uL	100 uL			
LCSD 580-383033/3		3510C, 8270E SIM		12 SU	100 uL	100 uL			
580-110975-B-1	ERH2673 (RHMW07)	3510C, 8270E SIM	T	12 SU		100 uL			
580-110975-A-2	ERH2648 (RHMW08)	3510C, 8270E SIM	T	12 SU		100 uL			
580-110975-B-3	ERH2649 (OWDFMW07A)	3510C, 8270E SIM	T	12 SU		100 uL			
580-110975-A-4	ERH2650 (OWDFMW08A)	3510C, 8270E SIM	T	12 SU		100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Batch Number: 383033 Batch Start Date: 03/07/22 09:32 Batch Analyst: Yu, Johnathon J

Batch Method: 3510C Batch End Date: 03/07/22 15:04

Lab Sample ID	Client Sample ID	Method Chain	Basis	SecondAdjustpH	8270flspk 00296	8270waterSurr 00118			
580-110975-A-5	ERH2651 (OWDFMW08A FD)	3510C, 8270E SIM	T	12 SU		100 uL			
580-110975-B-6	ERH2652 (RHMW14-3)	3510C, 8270E SIM	T	12 SU		100 uL			
580-110975-A-7	ERH2653 (RHMW16)	3510C, 8270E SIM	T	12 SU		100 uL			
580-110975-A-8	ERH2654 (RHMW12A)	3510C, 8270E SIM	T	12 SU		100 uL			
580-110975-A-9	ERH2655 (RHMW04)	3510C, 8270E SIM	T	12 SU		100 uL			

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

GC/MS SEMI VOA BATCH WORKSHEET

Lab Name: Eurofins Seattle Job No.: 580-110975-1

SDG No.:

Batch Number: 383033 Batch Start Date: 03/07/22 09:32 Batch Analyst: Yu, Johnathon J

Batch Method: 3510C Batch End Date: 03/07/22 15:04

Batch Notes	
Method/Fraction	3510C / 625.1 / 8270E
Balance ID	SEA225
pH Indicator ID	6007005 / 6911002
Pipette/Syringe/Dispenser ID	MP5
Analyst ID - Extraction	JJY/JHR
Reagent Water ID	DI
Analyst ID - Spike Analyst	JJY
Analyst ID - Spike Witness Analyst	MAE
Sufficient Volume for Batch QC	no
Acid Used for pH Adjustment ID	3020736
Prep Solvent ID	3076033
Prep Solvent Volume Used	180 mL
Filter ID	3048946
Na2SO4 ID	3058747
Analyst ID - Concentration	JJY /JHR
Equipment ID - Concentration 1	Steambath 1
Thermometer ID - Concentration 1	61013-040-1
Concentration 1 Uncorrected Temperature	70.0-75.0 Degrees C
Concentration 1 Corrected Temperature	69.4-74.4 Degrees C
Equipment ID - Concentration 2	Turbovap 5
Thermometer ID - Concentration 2	DIGITALREADOUT
Concentration 2 Uncorrected Temperature	22.0 Degrees C
Concentration 2 Corrected Temperature	20.0 Degrees C
Vial Lot Number	24165097
Batch Comment	Vialed by: MAE

Basis	Basis Description
T	Total/NA

The pound sign (#) in the amount added field denotes that the reagent was used undiluted. All calculations are performed using the stated concentration for this reagent.

Shipping and Receiving Documents

580-110975 Chain of Custody

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Matt Yiem	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: Euro202202-2
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 8083494738	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Honolulu	TAT Requested (days): Rush - ASAP			
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			Other:
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM (Eurofins Seattle)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	X	
ERH2673 (RHMW07)	3/1/22	0855	G	W	N	N	x	2	

3/2/22 MM

3/2/22 MM

Therm. ID: A3 Cor: 0.6° Unc: 0.4°
Cooler Dsc: NR
Packing: Bulk
Cust. Seal: Yes ___ No ___
Blue Ice, Wet, Dry, None
FedEx: P.O
UPS: ___
Lab Cour: ___
Other: ___

Possible Hazard Identification
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Maggie Nutter	3/2/22 1000	AECOM	MM	3/3/22 0940	EEN5
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver. 01/16/2019

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Gavin Mura	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: 02282022-05
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 808 987- 3201	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:

Analysis Requested

Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract
City: Honolulu	TAT Requested (days): RUSH /ASAP
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:
Project Name: CV18F0126	Project #: 60571032
Site: RH	SSOW#:

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
2 ERH2648 (RHMW08)	2/28/22	13:35	G	W	N	N	X	2	

3/2/2022
3/2/2022 DE

Therm. ID: A3 Cor: 1.7 ° Unc: 1.7 °
Cooler Dsc: MR
Packing: Bub
Cust. Seal: Yes ___ No ___
Blue Ice, Wet, Dry, None
FedEx: P-O
UPS: ___
Lab Cour: ___
Other: ___

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Diana Escobar	Date/Time: 3/2/2022 10:00 AM	Company: AECOM	Received by:	Date/Time: 3/3/22 0930	Company: EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: AECOM RS, TN, RC	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: 02282022-08
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 808 393-6607	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:

Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract
City: Honolulu	TAT Requested (days): RUSH /ASAP
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:
Project Name: CV18F0126	Project #: 60571032
Site: RH	SSOW#:

Analysis Requested

3/2/2022 DE

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-, 2-Methylnap, PAH) by 8270DSIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
3 ERH2649 (OWDFMW07A)	2/28/22	13:40	G	W	N	N	X	2	

3/2/2022 DE

Therm. ID: A3 Cor: 1.5 ° Unc: 1.5 °
Cooler Dsc: SB
Packing: Bub
Cust. Seal: Yes ___ No ___
Blue Ice, Wet, Dry, None
FedEx: PVO
UPS: ___
Lab Cour: ___
Other: ___

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Diana Escobar	Date/Time: 3/2/22 9:50AM	Company: AECOM	Received by:	Date/Time: 3/3/22 0930	Company: EFHS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

03/22/2022

Ver: 01/16/2019

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Shinmoto	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: 02282022-06
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 808 393.6007	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:

Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract	Analysis Requested
City: Honolulu	TAT Requested (days): RUSH /ASAP	
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No	
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:	
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:	
Project Name: CV18F0126	Project #: 60571032	
Site: RH	SSOW#:	

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

	Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-, 2-Methylnap, PAH) by 8270DSIM	Total Number of containers	Special Instructions/Note:
				Preservation Code:				N		
4	ERH2650 (OWDFMW08A)	2/28/22	09:45	G	W	N	N	X	2	
5	ERH2651 (OWDFMW08A FD)	2/28/22	09:45	G	W	N	N	x	2	

3/2/2022 DE

3/2/2022 DE

Therm. ID: A3 Cor: 1.2 ° Unc: 1.2 °
Cooler Dsc: LR
Packing: Bulk
Cust. Seal: Yes ___ No ___
Blue Ice, Wet, Dry, None
FedEx: ✓
UPS: ___
Lab Cour: ___
Other: ___

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Diana Escobar	3/2/22 10:17	AECOM		3/3/22 0930	EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: CB CBZ CW RT	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: Euro202202-4
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: ~~808 393 6607~~ 916-769-9323	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Honolulu	TAT Requested (days): Rush - ASAP			
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			Other:
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM (Eurofins Seattle)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
ERH2652 (RHMW14-3)	3/1/22	1025	G	W	N	N	x	2	

MN 3/2/22

3/2/22 MN

Therm. ID: A3 Cor: 1.4 ° Unc: 1.4 °
Cooler Dsc: LB FedEx: PO
Packing: Bub UPS:
Cust. Seal: Yes No Lab Cour:
Blue Ice, Wet, Dry, None Other:

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ■ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)
Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD
Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by: Date: Time: Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Maggie Rutter	3/2/22 1000	AECOM	MN	3/3/22 0930	EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: CH RS JV	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: Euro202202-5
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 808 393 6607	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			Preservation Codes:
City: Honolulu	TAT Requested (days): Rush - ASAP			A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			Other:
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM (Eurofins Seattle)	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N			
1 ERH2653 (RHMW16)	3/1/22	1110	G	W	N	N	x	2	

MN 3/2/22

MN 3/2/22

Therm. ID: A3 Cor: 1.4 ° Unc: 1.4 °
Cooler Dsc: UPS
Packing: Bulb
Cust. Seal Yes ___ No ___
Blue Ice: Wet, Dry, None
FedEx: P.O
UPS: ___
Lab Cour: ___
Other: ___

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ■ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)
Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.
Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Maggie Notter	3/2/22 1000	AECOM	[illegible]	3/3/22 0930	EFHS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: CH RS JV	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: Euro202202-3
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 808 393 6607	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			
City: Honolulu	TAT Requested (days): Rush - ASAP			
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM (Eurofins Seattle)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
4 ERH2654 (RHMW12A)	3/1/22	1420	G	W	N	N	x	2	

MN 3/2/22

3/2/22 MN

Therm. ID: A3 Cor: 1.4 ° Unc: 1.4 °
Cooler Dsc: Lab
Packing: Bubble
Cust. Seal: Yes No
Blue Ice, Wet, Dry, None
FedEx: P.U
UPS:
Lab Cour:
Other:

Possible Hazard Identification
Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify) — Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Maggie Nutter	3/2/22 1000	AECOM		3/3/22 0930	EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: MY, MF, BF	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: Euro202202-1
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 908 349 4735	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Honolulu	TAT Requested (days): Rush - ASAP			
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			Other:
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM (Eurofins Seattle)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
ERH2655 (RHMW04)	3/1/22	1130	G	W	N	N	x	2	

MW 3/2/22

MW 3/2/22

Therm. ID: A3 Cor: 1.4 ° Unc: 1.4 °
Cooler Dsc: LR
Packing: Bub
Cust. Seal: Yes ___ No ___
Blue Ice: Wet, Dry, None
FedEx: P.O
UPS: ___
Lab Cour: ___
Other: ___

Possible Hazard Identification
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)
Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Maggie Nutter	3/2/22 1000	AECOM		3/3/22 0930	EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-110975-1

Login Number: 110975
List Number: 1
Creator: Greene, Ashton R

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

eurofins | Environment Testing America

ANALYTICAL REPORT

Eurofins Seattle
5755 8th Street East
Tacoma, WA 98424
Tel: (253)922-2310

Laboratory Job ID: 580-110975-1
Client Project/Site: Red Hill GW

For:
AECOM
1001 Bishop Street
Honolulu, Hawaii 96813

Attn: Alethea Ramos

M. Elaine Walker

Authorized for release by:
3/22/2022 7:12:41 PM

Elaine Walker, Project Manager II
(253)248-4972
m.elaine.walker@eurofinset.com

Table of Contents

Job ID: 580-110975-1

Laboratory: Eurofins Seattle

Narrative

CASE NARRATIVE
Client: AECOM
Project: Red Hill GW
Report Number: 580-110975-1

This case narrative is in the form of an exception report, where only the anomalies related to this report, method specific performance and/or QA/QC issues are discussed. If there are no issues to report, this narrative will include a statement that documents that there are no relevant data issues.

Following DoD QSM guidelines, manual integrations were performed only when necessary and are in compliance with the laboratory's standard operating procedure, Acceptable Manual Integration Practices, SOP No.: Q-S-002. The reason(s) for manual integration have been documented on the affected chromatogram(s), which is/are provided in the raw data package. The raw data also includes the original chromatogram(s) prior to any manual integration being performed. Manual integrations are detailed in the manual integration summary forms following this narrative.

It should be noted that samples with elevated Limits of Quantitation (LOQs) resulting from a dilution may not be able to satisfy customer reporting limits in some cases. Such increases in the LOQs are an unavoidable but acceptable consequence of sample dilution that enables quantification of target analytes within the calibration range of the instrument or that reduces the interferences thereby enabling the quantification of target analytes.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

Nine samples were received on 3/3/2022 9:40 AM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperatures of the 5 coolers at receipt time were 0.6º C, 1.2º C, 1.4º C, 1.5º C and 1.7º C.

Note: All samples which require thermal preservation are considered acceptable if the arrival temperature is within 2C of the required temperature or method specified range. For samples with a specified temperature of 4C, samples with a temperature ranging from just above freezing temperature of water to 6C shall be acceptable. Samples that are hand delivered immediately following collection may not meet these criteria, however they will be deemed acceptable according to NELAC standards, if there is evidence that the chilling process has begun, such as arrival on ice, etc.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples ERH2673 (RHMW07) (580-110975-1), ERH2648 (RHMW08) (580-110975-2), ERH2649 (OWDFMW07A) (580-110975-3), ERH2650 (OWDFMW08A) (580-110975-4), ERH2651 (OWDFMW08A FD) (580-110975-5), ERH2652 (RHMW14-3) (580-110975-6), ERH2653 (RHMW16) (580-110975-7), ERH2654 (RHMW12A) (580-110975-8) and ERH2655 (RHMW04) (580-110975-9) were analyzed for semivolatile organic compounds (GC-MS) in accordance with 8270E. The samples were prepared on 03/07/2022 and analyzed on 03/08/2022 and 03/18/2022.

The minimum response factor (RF) criteria for the continuing calibration verification (CCV) analyzed in batch 580-383156 was outside criteria for the following analyte: N-Nitrosodi-n-propylamine. As indicated in the reference method, sample analysis may proceed; however, any detection or non-detection for the affected analyte is considered estimated.

The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 580-383033 and analytical batch 580-383057 recovered outside control limits for the following analytes: 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, 1,2-Dichlorobenzene, 1,2,4-Trichlorobenzene, Hexachlorocyclopentadiene, Hexachlorobutadiene and Hexachloroethane.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS - SIM)

Samples ERH2673 (RHMW07) (580-110975-1), ERH2648 (RHMW08) (580-110975-2), ERH2649 (OWDFMW07A) (580-110975-3),

Job ID: 580-110975-1 (Continued)

Laboratory: Eurofins Seattle (Continued)

ERH2650 (OWDFMW08A) (580-110975-4), ERH2651 (OWDFMW08A FD) (580-110975-5), ERH2652 (RHMW14-3) (580-110975-6), ERH2653 (RHMW16) (580-110975-7), ERH2654 (RHMW12A) (580-110975-8) and ERH2655 (RHMW04) (580-110975-9) were analyzed for semivolatile organic compounds (GC-MS - SIM) in accordance with 8270E SIM. The samples were prepared on 03/07/2022 and analyzed on 03/08/2022.

2-Methylnaphthalene exceeded the RPD limit for LCSD 580-383033/3-A. The LCS and LCSD recoveries are in control.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Definitions/Glossary

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2673 (RHMW07)

Date Collected: 03/01/22 08:55
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-1

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 13:26	1
2-Methylnaphthalene	0.080	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 13:26	1
Acenaphthene	0.032	U M	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 13:26	1
Acenaphthylene	0.032	U M	0.050	0.0091	ug/L		03/07/22 09:32	03/08/22 13:26	1
Anthracene	0.080	U M	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 13:26	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 13:26	1
Benzo[a]pyrene	0.032	U M	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 13:26	1
Benzo[b]fluoranthene	0.032	U M	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 13:26	1
Benzo[g,h,i]perylene	0.032	U M	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 13:26	1
Benzo[k]fluoranthene	0.032	U M	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 13:26	1
Chrysene	0.032	U M	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 13:26	1
Dibenz(a,h)anthracene	0.032	U M	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 13:26	1
Fluoranthene	0.032	U M	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 13:26	1
Fluorene	0.032	U M	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 13:26	1
Indeno[1,2,3-cd]pyrene	**0.015**	**J M**	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 13:26	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 13:26	1
Phenanthrene	0.080	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 13:26	1
Pyrene	0.080	U M	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*69*		*40 - 140*	*03/07/22 09:32*	*03/08/22 13:26*	*1*
Fluoranthene-d10 (Surr)	*101*		*40 - 140*	*03/07/22 09:32*	*03/08/22 13:26*	*1*
Terphenyl-d14	*112*		*58 - 132*	*03/07/22 09:32*	*03/08/22 13:26*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.091	ug/L		03/07/22 09:32	03/08/22 12:03	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 12:03	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 12:03	1
1,4-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 12:03	1
2,6-Dinitrotoluene	0.30	U M	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 12:03	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 12:03	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 12:03	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 12:03	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 12:03	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 12:03	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 12:03	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 12:03	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 12:03	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 12:03	1
Bis(2-chloroethoxy)methane	0.15	U M	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 12:03	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 12:03	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/07/22 09:32	03/08/22 12:03	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 12:03	1

Client Sample ID: ERH2673 (RHMW07)
Date Collected: 03/01/22 08:55
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-1
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	**0.29**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 12:03	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 12:03	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 12:03	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 12:03	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 12:03	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 12:03	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 12:03	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 12:03	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 12:03	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 12:03	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 12:03	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 12:03	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 12:03	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 12:03	1
o-Cresol	0.15	U M	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 12:03	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 12:03	1
Phenol	0.60	U M	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 12:03	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 12:03	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 12:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*105*		*43 - 140*	*03/07/22 09:32*	*03/08/22 12:03*	*1*
2-Fluorobiphenyl	*67*		*44 - 119*	*03/07/22 09:32*	*03/08/22 12:03*	*1*
2-Fluorophenol (Surr)	*53*		*19 - 119*	*03/07/22 09:32*	*03/08/22 12:03*	*1*
Nitrobenzene-d5 (Surr)	*82*		*44 - 120*	*03/07/22 09:32*	*03/08/22 12:03*	*1*
Phenol-d5 (Surr)	*33*		*10 - 120*	*03/07/22 09:32*	*03/08/22 12:03*	*1*
Terphenyl-d14	*115*		*50 - 134*	*03/07/22 09:32*	*03/08/22 12:03*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U Q M	10	1.7	ug/L		03/07/22 09:32	03/18/22 14:30	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 14:30	1

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2648 (RHMW08)

Date Collected: 02/28/22 13:35
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-2

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 13:45	1
2-Methylnaphthalene	0.081	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 13:45	1
Acenaphthene	**0.015**	**J M**	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 13:45	1
Acenaphthylene	0.032	U	0.050	0.0091	ug/L		03/07/22 09:32	03/08/22 13:45	1
Anthracene	0.081	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 13:45	1
Benzo[a]anthracene	0.032	U M	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 13:45	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 13:45	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 13:45	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 13:45	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 13:45	1
Chrysene	**0.018**	**J M**	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 13:45	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 13:45	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 13:45	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 13:45	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 13:45	1
Naphthalene	0.081	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 13:45	1
Phenanthrene	0.081	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 13:45	1
Pyrene	**0.036**	**J**	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*58*		*40 - 140*	*03/07/22 09:32*	*03/08/22 13:45*	*1*
Fluoranthene-d10 (Surr)	*95*		*40 - 140*	*03/07/22 09:32*	*03/08/22 13:45*	*1*
Terphenyl-d14	*104*		*58 - 132*	*03/07/22 09:32*	*03/08/22 13:45*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.091	ug/L		03/07/22 09:32	03/08/22 12:26	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 12:26	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 12:26	1
1,4-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 12:26	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 12:26	1
2-Chloronaphthalene	0.15	U	1.0	0.071	ug/L		03/07/22 09:32	03/08/22 12:26	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 12:26	1
2-Nitrophenol	0.15	U	1.0	0.071	ug/L		03/07/22 09:32	03/08/22 12:26	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 12:26	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 12:26	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 12:26	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 12:26	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 12:26	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 12:26	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 12:26	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 12:26	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.75	ug/L		03/07/22 09:32	03/08/22 12:26	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 12:26	1

Client Sample ID: ERH2648 (RHMW08)
Date Collected: 02/28/22 13:35
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-2
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	**0.24**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 12:26	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 12:26	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 12:26	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 12:26	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 12:26	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 12:26	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 12:26	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 12:26	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 12:26	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 12:26	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 12:26	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 12:26	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 12:26	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.071	ug/L		03/07/22 09:32	03/08/22 12:26	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 12:26	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 12:26	1
Phenol	0.60	U M	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 12:26	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 12:26	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 12:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*92*		*43 - 140*	*03/07/22 09:32*	*03/08/22 12:26*	*1*
2-Fluorobiphenyl	*61*		*44 - 119*	*03/07/22 09:32*	*03/08/22 12:26*	*1*
2-Fluorophenol (Surr)	*46*		*19 - 119*	*03/07/22 09:32*	*03/08/22 12:26*	*1*
Nitrobenzene-d5 (Surr)	*82*		*44 - 120*	*03/07/22 09:32*	*03/08/22 12:26*	*1*
Phenol-d5 (Surr)	*29*		*10 - 120*	*03/07/22 09:32*	*03/08/22 12:26*	*1*
Terphenyl-d14	*117*		*50 - 134*	*03/07/22 09:32*	*03/08/22 12:26*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 14:53	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 14:53	1

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2649 (OWDFMW07A)

Date Collected: 02/28/22 13:40
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-3

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.033	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 14:04	1
2-Methylnaphthalene	0.082	U M Q	0.20	0.040	ug/L		03/07/22 09:32	03/08/22 14:04	1
Acenaphthene	0.033	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 14:04	1
Acenaphthylene	0.033	U	0.051	0.0092	ug/L		03/07/22 09:32	03/08/22 14:04	1
Anthracene	0.082	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 14:04	1
Benzo[a]anthracene	0.033	U	0.051	0.014	ug/L		03/07/22 09:32	03/08/22 14:04	1
Benzo[a]pyrene	0.033	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 14:04	1
Benzo[b]fluoranthene	0.033	U	0.051	0.011	ug/L		03/07/22 09:32	03/08/22 14:04	1
Benzo[g,h,i]perylene	0.033	U	0.051	0.012	ug/L		03/07/22 09:32	03/08/22 14:04	1
Benzo[k]fluoranthene	0.033	U	0.051	0.012	ug/L		03/07/22 09:32	03/08/22 14:04	1
Chrysene	0.033	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 14:04	1
Dibenz(a,h)anthracene	0.033	U	0.10	0.027	ug/L		03/07/22 09:32	03/08/22 14:04	1
Fluoranthene	0.033	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 14:04	1
Fluorene	0.033	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 14:04	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.051	0.014	ug/L		03/07/22 09:32	03/08/22 14:04	1
Naphthalene	0.082	U M	0.10	0.032	ug/L		03/07/22 09:32	03/08/22 14:04	1
Phenanthrene	0.082	U	0.10	0.032	ug/L		03/07/22 09:32	03/08/22 14:04	1
Pyrene	0.082	U	0.10	0.034	ug/L		03/07/22 09:32	03/08/22 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*60*		*40 - 140*	*03/07/22 09:32*	*03/08/22 14:04*	*1*
Fluoranthene-d10 (Surr)	*102*		*40 - 140*	*03/07/22 09:32*	*03/08/22 14:04*	*1*
Terphenyl-d14	*112*		*58 - 132*	*03/07/22 09:32*	*03/08/22 14:04*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.31	U Q	0.41	0.092	ug/L		03/07/22 09:32	03/08/22 12:49	1
1,2-Dichlorobenzene	0.15	U Q	0.41	0.051	ug/L		03/07/22 09:32	03/08/22 12:49	1
1,3-Dichlorobenzene	0.092	U Q	0.41	0.041	ug/L		03/07/22 09:32	03/08/22 12:49	1
1,4-Dichlorobenzene	0.092	U Q	0.41	0.041	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,4,5-Trichlorophenol	0.31	U	0.41	0.10	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,4,6-Trichlorophenol	0.31	U	0.61	0.10	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,4-Dichlorophenol	0.51	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,4-Dimethylphenol	0.51	U	4.1	0.16	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,4-Dinitrophenol	3.3	U	5.1	1.6	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,4-Dinitrotoluene	0.31	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 12:49	1
2,6-Dinitrotoluene	0.31	U	0.41	0.10	ug/L		03/07/22 09:32	03/08/22 12:49	1
2-Chloronaphthalene	0.15	U	1.0	0.072	ug/L		03/07/22 09:32	03/08/22 12:49	1
2-Chlorophenol	0.15	U	1.0	0.051	ug/L		03/07/22 09:32	03/08/22 12:49	1
2-Nitrophenol	0.15	U	1.0	0.072	ug/L		03/07/22 09:32	03/08/22 12:49	1
3,3'-Dichlorobenzidine	0.61	U	1.0	0.27	ug/L		03/07/22 09:32	03/08/22 12:49	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.56	ug/L		03/07/22 09:32	03/08/22 12:49	1
4-Bromophenyl phenyl ether	0.15	U	0.61	0.061	ug/L		03/07/22 09:32	03/08/22 12:49	1
4-Chloro-3-methylphenol	0.31	U	0.61	0.13	ug/L		03/07/22 09:32	03/08/22 12:49	1
4-Chlorophenyl phenyl ether	0.15	U	0.61	0.051	ug/L		03/07/22 09:32	03/08/22 12:49	1
Azobenzene	0.15	U	2.0	0.061	ug/L		03/07/22 09:32	03/08/22 12:49	1
Bis(2-chloroethoxy)methane	0.15	U	0.61	0.051	ug/L		03/07/22 09:32	03/08/22 12:49	1
Bis(2-chloroethyl)ether	0.092	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 12:49	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.1	0.76	ug/L		03/07/22 09:32	03/08/22 12:49	1
Butyl benzyl phthalate	0.61	U	4.1	0.28	ug/L		03/07/22 09:32	03/08/22 12:49	1

Client Sample ID: ERH2649 (OWDFMW07A)
Date Collected: 02/28/22 13:40
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-3
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	**0.17**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 12:49	1
Dimethyl phthalate	0.15	U	0.61	0.061	ug/L		03/07/22 09:32	03/08/22 12:49	1
Di-n-butyl phthalate	0.51	U	3.1	0.19	ug/L		03/07/22 09:32	03/08/22 12:49	1
Di-n-octyl phthalate	0.31	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 12:49	1
Hexachlorobenzene	0.092	U	0.61	0.041	ug/L		03/07/22 09:32	03/08/22 12:49	1
Hexachlorobutadiene	0.15	U Q	1.0	0.061	ug/L		03/07/22 09:32	03/08/22 12:49	1
Hexachlorocyclopentadiene	0.31	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 12:49	1
Hexachloroethane	0.15	U Q	1.0	0.051	ug/L		03/07/22 09:32	03/08/22 12:49	1
Isophorone	0.31	U	0.41	0.10	ug/L		03/07/22 09:32	03/08/22 12:49	1
m+p-Cresol	0.31	U	0.61	0.10	ug/L		03/07/22 09:32	03/08/22 12:49	1
Nitrobenzene	0.092	U	1.0	0.041	ug/L		03/07/22 09:32	03/08/22 12:49	1
N-Nitrosodimethylamine	0.61	U	2.0	0.27	ug/L		03/07/22 09:32	03/08/22 12:49	1
N-Nitrosodi-n-propylamine	0.092	U	0.41	0.061	ug/L		03/07/22 09:32	03/08/22 12:49	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.072	ug/L		03/07/22 09:32	03/08/22 12:49	1
o-Cresol	0.15	U	0.61	0.051	ug/L		03/07/22 09:32	03/08/22 12:49	1
Pentachlorophenol	1.0	U	10	0.52	ug/L		03/07/22 09:32	03/08/22 12:49	1
Phenol	0.61	U	1.0	0.37	ug/L		03/07/22 09:32	03/08/22 12:49	1
Pyrene	0.092	U	1.0	0.041	ug/L		03/07/22 09:32	03/08/22 12:49	1
Pyridine	3.3	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*88*		*43 - 140*	*03/07/22 09:32*	*03/08/22 12:49*	*1*
2-Fluorobiphenyl	*67*		*44 - 119*	*03/07/22 09:32*	*03/08/22 12:49*	*1*
2-Fluorophenol (Surr)	*46*		*19 - 119*	*03/07/22 09:32*	*03/08/22 12:49*	*1*
Nitrobenzene-d5 (Surr)	*73*		*44 - 120*	*03/07/22 09:32*	*03/08/22 12:49*	*1*
Phenol-d5 (Surr)	*29*		*10 - 120*	*03/07/22 09:32*	*03/08/22 12:49*	*1*
Terphenyl-d14	*117*		*50 - 134*	*03/07/22 09:32*	*03/08/22 12:49*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.1	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 15:16	1
bis (2-chloroisopropyl) ether	0.15	U M	0.26	0.061	ug/L		03/07/22 09:32	03/18/22 15:16	1

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2650 (OWDFMW08A)

Date Collected: 02/28/22 09:45
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-4

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 14:23	1
2-Methylnaphthalene	0.080	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 14:23	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 14:23	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/07/22 09:32	03/08/22 14:23	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 14:23	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 14:23	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 14:23	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 14:23	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 14:23	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 14:23	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 14:23	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 14:23	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 14:23	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 14:23	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 14:23	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 14:23	1
Phenanthrene	0.080	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 14:23	1
Pyrene	0.080	U	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 14:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*71*		*40 - 140*	*03/07/22 09:32*	*03/08/22 14:23*	*1*
Fluoranthene-d10 (Surr)	*95*		*40 - 140*	*03/07/22 09:32*	*03/08/22 14:23*	*1*
Terphenyl-d14	*105*		*58 - 132*	*03/07/22 09:32*	*03/08/22 14:23*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.090	ug/L		03/07/22 09:32	03/08/22 13:12	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 13:12	1
1,3-Dichlorobenzene	0.090	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 13:12	1
1,4-Dichlorobenzene	0.090	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 13:12	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 13:12	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 13:12	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 13:12	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 13:12	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 13:12	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 13:12	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 13:12	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 13:12	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 13:12	1
Azobenzene	0.15	U	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 13:12	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 13:12	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 13:12	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/07/22 09:32	03/08/22 13:12	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 13:12	1

Client Sample ID: ERH2650 (OWDFMW08A)
Date Collected: 02/28/22 09:45
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-4
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	**0.21**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 13:12	1
Dimethyl phthalate	0.15	U M	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 13:12	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 13:12	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 13:12	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 13:12	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 13:12	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 13:12	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 13:12	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 13:12	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 13:12	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 13:12	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 13:12	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 13:12	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 13:12	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 13:12	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 13:12	1
Phenol	0.60	U	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 13:12	1
Pyrene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 13:12	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 13:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*43 - 140*	*03/07/22 09:32*	*03/08/22 13:12*	*1*
2-Fluorobiphenyl	*83*		*44 - 119*	*03/07/22 09:32*	*03/08/22 13:12*	*1*
2-Fluorophenol (Surr)	*51*		*19 - 119*	*03/07/22 09:32*	*03/08/22 13:12*	*1*
Nitrobenzene-d5 (Surr)	*85*		*44 - 120*	*03/07/22 09:32*	*03/08/22 13:12*	*1*
Phenol-d5 (Surr)	*29*		*10 - 120*	*03/07/22 09:32*	*03/08/22 13:12*	*1*
Terphenyl-d14	*113*		*50 - 134*	*03/07/22 09:32*	*03/08/22 13:12*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 15:40	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 15:40	1

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2651 (OWDFMW08A FD)

Date Collected: 02/28/22 09:45
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-5

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.030	U M	0.095	0.018	ug/L		03/07/22 09:32	03/08/22 14:43	1
2-Methylnaphthalene	0.076	U M Q	0.19	0.037	ug/L		03/07/22 09:32	03/08/22 14:43	1
Acenaphthene	0.030	U	0.095	0.013	ug/L		03/07/22 09:32	03/08/22 14:43	1
Acenaphthylene	0.030	U	0.048	0.0086	ug/L		03/07/22 09:32	03/08/22 14:43	1
Anthracene	0.076	U	0.095	0.021	ug/L		03/07/22 09:32	03/08/22 14:43	1
Benzo[a]anthracene	0.030	U	0.048	0.013	ug/L		03/07/22 09:32	03/08/22 14:43	1
Benzo[a]pyrene	0.030	U	0.095	0.010	ug/L		03/07/22 09:32	03/08/22 14:43	1
Benzo[b]fluoranthene	0.030	U	0.048	0.010	ug/L		03/07/22 09:32	03/08/22 14:43	1
Benzo[g,h,i]perylene	0.030	U	0.048	0.011	ug/L		03/07/22 09:32	03/08/22 14:43	1
Benzo[k]fluoranthene	0.030	U	0.048	0.011	ug/L		03/07/22 09:32	03/08/22 14:43	1
Chrysene	0.030	U	0.095	0.015	ug/L		03/07/22 09:32	03/08/22 14:43	1
Dibenz(a,h)anthracene	0.030	U	0.095	0.025	ug/L		03/07/22 09:32	03/08/22 14:43	1
Fluoranthene	0.030	U	0.19	0.017	ug/L		03/07/22 09:32	03/08/22 14:43	1
Fluorene	0.030	U	0.095	0.016	ug/L		03/07/22 09:32	03/08/22 14:43	1
Indeno[1,2,3-cd]pyrene	0.030	U	0.048	0.013	ug/L		03/07/22 09:32	03/08/22 14:43	1
Naphthalene	0.076	U M	0.095	0.029	ug/L		03/07/22 09:32	03/08/22 14:43	1
Phenanthrene	0.076	U	0.095	0.029	ug/L		03/07/22 09:32	03/08/22 14:43	1
Pyrene	0.076	U M	0.095	0.031	ug/L		03/07/22 09:32	03/08/22 14:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*61*		*40 - 140*	*03/07/22 09:32*	*03/08/22 14:43*	*1*
Fluoranthene-d10 (Surr)	*84*		*40 - 140*	*03/07/22 09:32*	*03/08/22 14:43*	*1*
Terphenyl-d14	*93*		*58 - 132*	*03/07/22 09:32*	*03/08/22 14:43*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.29	U Q	0.38	0.086	ug/L		03/07/22 09:32	03/08/22 13:35	1
1,2-Dichlorobenzene	0.14	U Q	0.38	0.048	ug/L		03/07/22 09:32	03/08/22 13:35	1
1,3-Dichlorobenzene	0.086	U Q	0.38	0.038	ug/L		03/07/22 09:32	03/08/22 13:35	1
1,4-Dichlorobenzene	0.086	U Q	0.38	0.038	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,4,5-Trichlorophenol	0.29	U	0.38	0.095	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,4,6-Trichlorophenol	0.29	U	0.57	0.095	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,4-Dichlorophenol	0.48	U	0.95	0.19	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,4-Dimethylphenol	0.48	U	3.8	0.15	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,4-Dinitrophenol	3.0	U	4.8	1.5	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,4-Dinitrotoluene	0.29	U	0.95	0.095	ug/L		03/07/22 09:32	03/08/22 13:35	1
2,6-Dinitrotoluene	0.29	U	0.38	0.095	ug/L		03/07/22 09:32	03/08/22 13:35	1
2-Chloronaphthalene	0.14	U	0.95	0.067	ug/L		03/07/22 09:32	03/08/22 13:35	1
2-Chlorophenol	0.14	U	0.95	0.048	ug/L		03/07/22 09:32	03/08/22 13:35	1
2-Nitrophenol	0.14	U	0.95	0.067	ug/L		03/07/22 09:32	03/08/22 13:35	1
3,3'-Dichlorobenzidine	0.57	U	0.95	0.25	ug/L		03/07/22 09:32	03/08/22 13:35	1
4,6-Dinitro-2-methylphenol	1.1	U	1.9	0.52	ug/L		03/07/22 09:32	03/08/22 13:35	1
4-Bromophenyl phenyl ether	0.14	U	0.57	0.057	ug/L		03/07/22 09:32	03/08/22 13:35	1
4-Chloro-3-methylphenol	0.29	U	0.57	0.12	ug/L		03/07/22 09:32	03/08/22 13:35	1
4-Chlorophenyl phenyl ether	0.14	U	0.57	0.048	ug/L		03/07/22 09:32	03/08/22 13:35	1
Azobenzene	0.14	U M	1.9	0.057	ug/L		03/07/22 09:32	03/08/22 13:35	1
Bis(2-chloroethoxy)methane	0.14	U	0.57	0.048	ug/L		03/07/22 09:32	03/08/22 13:35	1
Bis(2-chloroethyl)ether	0.086	U	0.095	0.029	ug/L		03/07/22 09:32	03/08/22 13:35	1
Bis(2-ethylhexyl) phthalate	1.5	U	2.9	0.70	ug/L		03/07/22 09:32	03/08/22 13:35	1
Butyl benzyl phthalate	0.57	U	3.8	0.26	ug/L		03/07/22 09:32	03/08/22 13:35	1

Client Sample ID: ERH2651 (OWDFMW08A FD)

Date Collected: 02/28/22 09:45
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-5

Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	**0.31**	**J**	0.95	0.14	ug/L		03/07/22 09:32	03/08/22 13:35	1
Dimethyl phthalate	0.14	U	0.57	0.057	ug/L		03/07/22 09:32	03/08/22 13:35	1
Di-n-butyl phthalate	0.48	U	2.9	0.18	ug/L		03/07/22 09:32	03/08/22 13:35	1
Di-n-octyl phthalate	0.29	U M	0.95	0.12	ug/L		03/07/22 09:32	03/08/22 13:35	1
Hexachlorobenzene	0.086	U	0.57	0.038	ug/L		03/07/22 09:32	03/08/22 13:35	1
Hexachlorobutadiene	0.14	U Q	0.95	0.057	ug/L		03/07/22 09:32	03/08/22 13:35	1
Hexachlorocyclopentadiene	0.29	U Q	0.95	0.13	ug/L		03/07/22 09:32	03/08/22 13:35	1
Hexachloroethane	0.14	U Q	0.95	0.048	ug/L		03/07/22 09:32	03/08/22 13:35	1
Isophorone	0.29	U	0.38	0.095	ug/L		03/07/22 09:32	03/08/22 13:35	1
m+p-Cresol	0.29	U	0.57	0.095	ug/L		03/07/22 09:32	03/08/22 13:35	1
Nitrobenzene	0.086	U	0.95	0.038	ug/L		03/07/22 09:32	03/08/22 13:35	1
N-Nitrosodimethylamine	0.57	U	1.9	0.25	ug/L		03/07/22 09:32	03/08/22 13:35	1
N-Nitrosodi-n-propylamine	0.086	U	0.38	0.057	ug/L		03/07/22 09:32	03/08/22 13:35	1
N-Nitrosodiphenylamine	0.14	U	0.95	0.067	ug/L		03/07/22 09:32	03/08/22 13:35	1
o-Cresol	0.14	U	0.57	0.048	ug/L		03/07/22 09:32	03/08/22 13:35	1
Pentachlorophenol	0.95	U	9.5	0.48	ug/L		03/07/22 09:32	03/08/22 13:35	1
Phenol	0.57	U	0.95	0.34	ug/L		03/07/22 09:32	03/08/22 13:35	1
Pyrene	0.086	U	0.95	0.038	ug/L		03/07/22 09:32	03/08/22 13:35	1
Pyridine	3.0	U	9.5	1.0	ug/L		03/07/22 09:32	03/08/22 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*71*		*43 - 140*	*03/07/22 09:32*	*03/08/22 13:35*	*1*
2-Fluorobiphenyl	*79*		*44 - 119*	*03/07/22 09:32*	*03/08/22 13:35*	*1*
2-Fluorophenol (Surr)	*43*		*19 - 119*	*03/07/22 09:32*	*03/08/22 13:35*	*1*
Nitrobenzene-d5 (Surr)	*63*		*44 - 120*	*03/07/22 09:32*	*03/08/22 13:35*	*1*
Phenol-d5 (Surr)	*23*		*10 - 120*	*03/07/22 09:32*	*03/08/22 13:35*	*1*
Terphenyl-d14	*112*		*50 - 134*	*03/07/22 09:32*	*03/08/22 13:35*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	5.7	U	9.5	1.6	ug/L		03/07/22 09:32	03/18/22 16:03	1
bis (2-chloroisopropyl) ether	0.14	U M	0.24	0.057	ug/L		03/07/22 09:32	03/18/22 16:03	1

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2652 (RHMW14-3)

Date Collected: 03/01/22 10:25
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-6

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 15:02	1
2-Methylnaphthalene	0.081	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 15:02	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 15:02	1
Acenaphthylene	0.032	U	0.050	0.0091	ug/L		03/07/22 09:32	03/08/22 15:02	1
Anthracene	0.081	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 15:02	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:02	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 15:02	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 15:02	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:02	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:02	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 15:02	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 15:02	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 15:02	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 15:02	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:02	1
Naphthalene	0.081	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:02	1
Phenanthrene	0.081	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:02	1
Pyrene	0.081	U	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 15:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*58*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:02*	*1*
Fluoranthene-d10 (Surr)	*91*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:02*	*1*
Terphenyl-d14	*101*		*58 - 132*	*03/07/22 09:32*	*03/08/22 15:02*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.091	ug/L		03/07/22 09:32	03/08/22 13:58	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 13:58	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 13:58	1
1,4-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 13:58	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 13:58	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 13:58	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 13:58	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 13:58	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 13:58	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 13:58	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 13:58	1
4-Chloro-3-methylphenol	0.30	U M	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 13:58	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 13:58	1
Azobenzene	0.15	U	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 13:58	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 13:58	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 13:58	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.75	ug/L		03/07/22 09:32	03/08/22 13:58	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 13:58	1

Client Sample ID: ERH2652 (RHMW14-3)
Date Collected: 03/01/22 10:25
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-6
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	**0.27**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 13:58	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 13:58	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 13:58	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 13:58	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 13:58	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 13:58	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 13:58	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 13:58	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 13:58	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 13:58	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 13:58	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 13:58	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 13:58	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 13:58	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 13:58	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 13:58	1
Phenol	0.60	U	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 13:58	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 13:58	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 13:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*82*		*43 - 140*	*03/07/22 09:32*	*03/08/22 13:58*	*1*
2-Fluorobiphenyl	*70*		*44 - 119*	*03/07/22 09:32*	*03/08/22 13:58*	*1*
2-Fluorophenol (Surr)	*45*		*19 - 119*	*03/07/22 09:32*	*03/08/22 13:58*	*1*
Nitrobenzene-d5 (Surr)	*63*		*44 - 120*	*03/07/22 09:32*	*03/08/22 13:58*	*1*
Phenol-d5 (Surr)	*23*		*10 - 120*	*03/07/22 09:32*	*03/08/22 13:58*	*1*
Terphenyl-d14	*106*		*50 - 134*	*03/07/22 09:32*	*03/08/22 13:58*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U M	10	1.7	ug/L		03/07/22 09:32	03/18/22 16:27	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 16:27	1

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2653 (RHMW16)

Date Collected: 03/01/22 11:10
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-7

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 15:21	1
2-Methylnaphthalene	0.080	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 15:21	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 15:21	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/07/22 09:32	03/08/22 15:21	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 15:21	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:21	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 15:21	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 15:21	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:21	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:21	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 15:21	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 15:21	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 15:21	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 15:21	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:21	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:21	1
Phenanthrene	0.080	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:21	1
Pyrene	0.080	U	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*49*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:21*	*1*
Fluoranthene-d10 (Surr)	*82*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:21*	*1*
Terphenyl-d14	*93*		*58 - 132*	*03/07/22 09:32*	*03/08/22 15:21*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.090	ug/L		03/07/22 09:32	03/08/22 14:21	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 14:21	1
1,3-Dichlorobenzene	0.090	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 14:21	1
1,4-Dichlorobenzene	0.090	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 14:21	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 14:21	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 14:21	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 14:21	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 14:21	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 14:21	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 14:21	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 14:21	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 14:21	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 14:21	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 14:21	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 14:21	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 14:21	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/07/22 09:32	03/08/22 14:21	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 14:21	1

Client Sample ID: ERH2653 (RHMW16)
Date Collected: 03/01/22 11:10
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-7
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	**0.23**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 14:21	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 14:21	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 14:21	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 14:21	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 14:21	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 14:21	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 14:21	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 14:21	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 14:21	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 14:21	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 14:21	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 14:21	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 14:21	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 14:21	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 14:21	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 14:21	1
Phenol	0.60	U	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 14:21	1
Pyrene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 14:21	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*66*		*43 - 140*	*03/07/22 09:32*	*03/08/22 14:21*	*1*
2-Fluorobiphenyl	*54*		*44 - 119*	*03/07/22 09:32*	*03/08/22 14:21*	*1*
2-Fluorophenol (Surr)	*39*		*19 - 119*	*03/07/22 09:32*	*03/08/22 14:21*	*1*
Nitrobenzene-d5 (Surr)	*58*		*44 - 120*	*03/07/22 09:32*	*03/08/22 14:21*	*1*
Phenol-d5 (Surr)	*22*		*10 - 120*	*03/07/22 09:32*	*03/08/22 14:21*	*1*
Terphenyl-d14	*88*		*50 - 134*	*03/07/22 09:32*	*03/08/22 14:21*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 16:50	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 16:50	1

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2654 (RHMW12A)

Date Collected: 03/01/22 14:20
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-8

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 15:40	1
2-Methylnaphthalene	0.080	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 15:40	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 15:40	1
Acenaphthylene	0.032	U	0.050	0.0091	ug/L		03/07/22 09:32	03/08/22 15:40	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 15:40	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:40	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 15:40	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 15:40	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:40	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:40	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 15:40	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 15:40	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 15:40	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 15:40	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:40	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:40	1
Phenanthrene	0.080	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:40	1
Pyrene	0.080	U	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 15:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*53*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:40*	*1*
Fluoranthene-d10 (Surr)	*83*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:40*	*1*
Terphenyl-d14	*93*		*58 - 132*	*03/07/22 09:32*	*03/08/22 15:40*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.091	ug/L		03/07/22 09:32	03/08/22 14:45	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 14:45	1
1,3-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 14:45	1
1,4-Dichlorobenzene	0.091	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 14:45	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 14:45	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 14:45	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 14:45	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 14:45	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 14:45	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 14:45	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 14:45	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 14:45	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 14:45	1
Azobenzene	0.15	U	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 14:45	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 14:45	1
Bis(2-chloroethyl)ether	0.091	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 14:45	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/07/22 09:32	03/08/22 14:45	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 14:45	1

Client Sample ID: ERH2654 (RHMW12A)
Date Collected: 03/01/22 14:20
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-8
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	**0.31**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 14:45	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 14:45	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 14:45	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 14:45	1
Hexachlorobenzene	0.091	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 14:45	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 14:45	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 14:45	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 14:45	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 14:45	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 14:45	1
Nitrobenzene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 14:45	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 14:45	1
N-Nitrosodi-n-propylamine	0.091	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 14:45	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 14:45	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 14:45	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 14:45	1
Phenol	0.60	U	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 14:45	1
Pyrene	0.091	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 14:45	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 14:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*75*		*43 - 140*	*03/07/22 09:32*	*03/08/22 14:45*	*1*
2-Fluorobiphenyl	*60*		*44 - 119*	*03/07/22 09:32*	*03/08/22 14:45*	*1*
2-Fluorophenol (Surr)	*38*		*19 - 119*	*03/07/22 09:32*	*03/08/22 14:45*	*1*
Nitrobenzene-d5 (Surr)	*65*		*44 - 120*	*03/07/22 09:32*	*03/08/22 14:45*	*1*
Phenol-d5 (Surr)	*23*		*10 - 120*	*03/07/22 09:32*	*03/08/22 14:45*	*1*
Terphenyl-d14	*102*		*50 - 134*	*03/07/22 09:32*	*03/08/22 14:45*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 17:13	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 17:13	1

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2655 (RHMW04)

Date Collected: 03/01/22 11:30
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-9

Matrix: Water

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U M	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 15:59	1
2-Methylnaphthalene	0.080	U M Q	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 15:59	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 15:59	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/07/22 09:32	03/08/22 15:59	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 15:59	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:59	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 15:59	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 15:59	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:59	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 15:59	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 15:59	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 15:59	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 15:59	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 15:59	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 15:59	1
Naphthalene	0.080	U M	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:59	1
Phenanthrene	0.080	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 15:59	1
Pyrene	0.080	U	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*61*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:59*	*1*
Fluoranthene-d10 (Surr)	*93*		*40 - 140*	*03/07/22 09:32*	*03/08/22 15:59*	*1*
Terphenyl-d14	*103*		*58 - 132*	*03/07/22 09:32*	*03/08/22 15:59*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U Q	0.40	0.090	ug/L		03/07/22 09:32	03/08/22 15:08	1
1,2-Dichlorobenzene	0.15	U Q	0.40	0.050	ug/L		03/07/22 09:32	03/08/22 15:08	1
1,3-Dichlorobenzene	0.090	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 15:08	1
1,4-Dichlorobenzene	0.090	U Q	0.40	0.040	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/08/22 15:08	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 15:08	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 15:08	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 15:08	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 15:08	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/08/22 15:08	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/08/22 15:08	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 15:08	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/07/22 09:32	03/08/22 15:08	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 15:08	1
Azobenzene	0.15	U M	2.0	0.060	ug/L		03/07/22 09:32	03/08/22 15:08	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 15:08	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/07/22 09:32	03/08/22 15:08	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/07/22 09:32	03/08/22 15:08	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/08/22 15:08	1

Client Sample ID: ERH2655 (RHMW04)
Date Collected: 03/01/22 11:30
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-9
Matrix: Water

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Diethyl phthalate	**0.30**	**J**	1.0	0.15	ug/L		03/07/22 09:32	03/08/22 15:08	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/08/22 15:08	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/08/22 15:08	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/08/22 15:08	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/07/22 09:32	03/08/22 15:08	1
Hexachlorobutadiene	0.15	U Q	1.0	0.060	ug/L		03/07/22 09:32	03/08/22 15:08	1
Hexachlorocyclopentadiene	0.30	U Q	1.0	0.14	ug/L		03/07/22 09:32	03/08/22 15:08	1
Hexachloroethane	0.15	U Q	1.0	0.050	ug/L		03/07/22 09:32	03/08/22 15:08	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/08/22 15:08	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/08/22 15:08	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 15:08	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/08/22 15:08	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/07/22 09:32	03/08/22 15:08	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/08/22 15:08	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/08/22 15:08	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/08/22 15:08	1
Phenol	0.60	U	1.0	0.36	ug/L		03/07/22 09:32	03/08/22 15:08	1
Pyrene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/08/22 15:08	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/08/22 15:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*69*		*43 - 140*	*03/07/22 09:32*	*03/08/22 15:08*	*1*
2-Fluorobiphenyl	*72*		*44 - 119*	*03/07/22 09:32*	*03/08/22 15:08*	*1*
2-Fluorophenol (Surr)	*44*		*19 - 119*	*03/07/22 09:32*	*03/08/22 15:08*	*1*
Nitrobenzene-d5 (Surr)	*73*		*44 - 120*	*03/07/22 09:32*	*03/08/22 15:08*	*1*
Phenol-d5 (Surr)	*27*		*10 - 120*	*03/07/22 09:32*	*03/08/22 15:08*	*1*
Terphenyl-d14	*109*		*50 - 134*	*03/07/22 09:32*	*03/08/22 15:08*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol	6.0	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 17:37	1
bis (2-chloroisopropyl) ether	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 17:37	1

Method: 8270E - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 580-383033/1-A
Matrix: Water
Analysis Batch: 383057

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383033

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	0.30	U	0.40	0.090	ug/L		03/07/22 09:32	03/07/22 17:38	1
1,2-Dichlorobenzene	0.15	U	0.40	0.050	ug/L		03/07/22 09:32	03/07/22 17:38	1
1,3-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/07/22 09:32	03/07/22 17:38	1
1,4-Dichlorobenzene	0.090	U	0.40	0.040	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,4,5-Trichlorophenol	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,4,6-Trichlorophenol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,4-Dichlorophenol	0.50	U	1.0	0.20	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,4-Dimethylphenol	0.50	U	4.0	0.16	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,4-Dinitrophenol	3.2	U	5.0	1.6	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,4-Dinitrotoluene	0.30	U	1.0	0.10	ug/L		03/07/22 09:32	03/07/22 17:38	1
2,6-Dinitrotoluene	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/07/22 17:38	1
2-Chloronaphthalene	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/07/22 17:38	1
2-Chlorophenol	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/07/22 17:38	1
2-Nitrophenol	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/07/22 17:38	1
3,3'-Dichlorobenzidine	0.60	U	1.0	0.26	ug/L		03/07/22 09:32	03/07/22 17:38	1
4,6-Dinitro-2-methylphenol	1.2	U	2.0	0.55	ug/L		03/07/22 09:32	03/07/22 17:38	1
4-Bromophenyl phenyl ether	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/07/22 17:38	1
4-Chloro-3-methylphenol	0.30	U	0.60	0.13	ug/L		03/07/22 09:32	03/07/22 17:38	1
4-Chlorophenyl phenyl ether	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/07/22 17:38	1
Azobenzene	0.15	U	2.0	0.060	ug/L		03/07/22 09:32	03/07/22 17:38	1
Bis(2-chloroethoxy)methane	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/07/22 17:38	1
Bis(2-chloroethyl)ether	0.090	U	0.10	0.030	ug/L		03/07/22 09:32	03/07/22 17:38	1
Bis(2-ethylhexyl) phthalate	1.6	U	3.0	0.74	ug/L		03/07/22 09:32	03/07/22 17:38	1
Butyl benzyl phthalate	0.60	U	4.0	0.27	ug/L		03/07/22 09:32	03/07/22 17:38	1
Diethyl phthalate	0.30	U	1.0	0.15	ug/L		03/07/22 09:32	03/07/22 17:38	1
Dimethyl phthalate	0.15	U	0.60	0.060	ug/L		03/07/22 09:32	03/07/22 17:38	1
Di-n-butyl phthalate	0.50	U	3.0	0.19	ug/L		03/07/22 09:32	03/07/22 17:38	1
Di-n-octyl phthalate	0.30	U M	1.0	0.13	ug/L		03/07/22 09:32	03/07/22 17:38	1
Hexachlorobenzene	0.090	U	0.60	0.040	ug/L		03/07/22 09:32	03/07/22 17:38	1
Hexachlorobutadiene	0.15	U	1.0	0.060	ug/L		03/07/22 09:32	03/07/22 17:38	1
Hexachlorocyclopentadiene	0.30	U	1.0	0.14	ug/L		03/07/22 09:32	03/07/22 17:38	1
Hexachloroethane	0.15	U	1.0	0.050	ug/L		03/07/22 09:32	03/07/22 17:38	1
Isophorone	0.30	U	0.40	0.10	ug/L		03/07/22 09:32	03/07/22 17:38	1
m+p-Cresol	0.30	U	0.60	0.10	ug/L		03/07/22 09:32	03/07/22 17:38	1
Nitrobenzene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/07/22 17:38	1
N-Nitrosodimethylamine	0.60	U	2.0	0.26	ug/L		03/07/22 09:32	03/07/22 17:38	1
N-Nitrosodi-n-propylamine	0.090	U	0.40	0.060	ug/L		03/07/22 09:32	03/07/22 17:38	1
N-Nitrosodiphenylamine	0.15	U	1.0	0.070	ug/L		03/07/22 09:32	03/07/22 17:38	1
o-Cresol	0.15	U	0.60	0.050	ug/L		03/07/22 09:32	03/07/22 17:38	1
Pentachlorophenol	1.0	U	10	0.51	ug/L		03/07/22 09:32	03/07/22 17:38	1
Phenol	0.60	U	1.0	0.36	ug/L		03/07/22 09:32	03/07/22 17:38	1
Pyrene	0.090	U	1.0	0.040	ug/L		03/07/22 09:32	03/07/22 17:38	1
Pyridine	3.2	U	10	1.1	ug/L		03/07/22 09:32	03/07/22 17:38	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol (Surr)	*79*		*43 - 140*	*03/07/22 09:32*	*03/07/22 17:38*	*1*
2-Fluorobiphenyl	*64*		*44 - 119*	*03/07/22 09:32*	*03/07/22 17:38*	*1*
2-Fluorophenol (Surr)	*59*	*M*	*19 - 119*	*03/07/22 09:32*	*03/07/22 17:38*	*1*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 580-383033/1-A
Matrix: Water
Analysis Batch: 383057

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383033

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Nitrobenzene-d5 (Surr)	*70*		*44 - 120*	*03/07/22 09:32*	*03/07/22 17:38*	*1*
Phenol-d5 (Surr)	*39*	*M*	*10 - 120*	*03/07/22 09:32*	*03/07/22 17:38*	*1*
Terphenyl-d14	*103*		*50 - 134*	*03/07/22 09:32*	*03/07/22 17:38*	*1*

Lab Sample ID: LCS 580-383033/2-A
Matrix: Water
Analysis Batch: 383057

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,2,4-Trichlorobenzene	2.00	1.35		ug/L		67	29 - 116
1,2-Dichlorobenzene	2.00	1.45		ug/L		73	32 - 111
1,3-Dichlorobenzene	2.00	1.57		ug/L		78	28 - 110
1,4-Dichlorobenzene	2.00	1.47		ug/L		74	29 - 112
2,4,5-Trichlorophenol	2.00	1.61		ug/L		80	53 - 123
2,4,6-Trichlorophenol	2.00	1.63		ug/L		82	50 - 125
2,4-Dichlorophenol	2.00	1.50		ug/L		75	47 - 121
2,4-Dimethylphenol	2.00	1.75	J	ug/L		88	31 - 124
2,4-Dinitrophenol	4.00	2.60	J M	ug/L		65	23 - 143
2,4-Dinitrotoluene	2.00	1.84		ug/L		92	57 - 128
2,6-Dinitrotoluene	2.00	1.66		ug/L		83	57 - 124
2-Chloronaphthalene	2.00	1.45		ug/L		73	40 - 116
2-Chlorophenol	2.00	1.68		ug/L		84	38 - 117
2-Nitrophenol	2.00	1.60		ug/L		80	47 - 123
3,3'-Dichlorobenzidine	4.00	3.89		ug/L		97	27 - 129
4,6-Dinitro-2-methylphenol	4.00	2.82		ug/L		70	44 - 137
4-Bromophenyl phenyl ether	2.00	1.75		ug/L		87	55 - 124
4-Chloro-3-methylphenol	2.00	1.64		ug/L		82	52 - 119
4-Chlorophenyl phenyl ether	2.00	1.67		ug/L		83	53 - 121
Azobenzene	2.00	1.65	J	ug/L		83	61 - 116
Bis(2-chloroethoxy)methane	2.00	1.64		ug/L		82	48 - 120
Bis(2-chloroethyl)ether	2.00	1.57		ug/L		78	43 - 118
Bis(2-ethylhexyl) phthalate	2.00	2.18	J	ug/L		109	55 - 135
Butyl benzyl phthalate	2.00	1.87	J	ug/L		94	53 - 134
Diethyl phthalate	2.00	1.84		ug/L		92	56 - 125
Dimethyl phthalate	2.00	1.91		ug/L		95	45 - 127
Di-n-butyl phthalate	2.00	1.84	J	ug/L		92	59 - 127
Di-n-octyl phthalate	2.00	1.97		ug/L		98	51 - 140
Hexachlorobenzene	2.00	1.88		ug/L		94	53 - 125
Hexachlorobutadiene	2.00	1.39		ug/L		69	22 - 124
Hexachlorocyclopentadiene	2.00	1.09		ug/L		55	20 - 125
Hexachloroethane	2.00	1.43		ug/L		72	21 - 115
Isophorone	2.00	1.72		ug/L		86	42 - 124
m+p-Cresol	2.00	1.36		ug/L		68	29 - 110
Nitrobenzene	2.00	1.65		ug/L		83	45 - 121
N-Nitrosodimethylamine	2.00	1.12	J	ug/L		56	45 - 125
N-Nitrosodi-n-propylamine	2.00	1.63		ug/L		81	49 - 119
N-Nitrosodiphenylamine	2.00	1.84		ug/L		92	51 - 123
o-Cresol	2.00	1.58		ug/L		79	30 - 117

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 580-383033/2-A
Matrix: Water
Analysis Batch: 383057

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Pentachlorophenol	4.00	2.73	J	ug/L		68	35 - 138
Phenol	2.00	0.911	J M	ug/L		46	13 - 120
Pyrene	2.00	1.68		ug/L		84	57 - 126
Pyridine	4.00	3.2	U	ug/L		26	20 - 125

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*100*		*43 - 140*
2-Fluorobiphenyl	*67*		*44 - 119*
2-Fluorophenol (Surr)	*55*	*M*	*19 - 119*
Nitrobenzene-d5 (Surr)	*72*		*44 - 120*
Phenol-d5 (Surr)	*33*		*10 - 120*
Terphenyl-d14	*104*		*50 - 134*

Lab Sample ID: LCSD 580-383033/3-A
Matrix: Water
Analysis Batch: 383057

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383033

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2,4-Trichlorobenzene	2.00	0.944	Q	ug/L		47	29 - 116	35	20
1,2-Dichlorobenzene	2.00	0.936	Q	ug/L		47	32 - 111	43	20
1,3-Dichlorobenzene	2.00	0.924	Q	ug/L		46	28 - 110	52	20
1,4-Dichlorobenzene	2.00	0.881	Q	ug/L		44	29 - 112	50	20
2,4,5-Trichlorophenol	2.00	1.35		ug/L		67	53 - 123	18	20
2,4,6-Trichlorophenol	2.00	1.46		ug/L		73	50 - 125	11	20
2,4-Dichlorophenol	2.00	1.42		ug/L		71	47 - 121	5	20
2,4-Dimethylphenol	2.00	1.43	J	ug/L		72	31 - 124	20	20
2,4-Dinitrophenol	4.00	2.47	J M	ug/L		62	23 - 143	5	20
2,4-Dinitrotoluene	2.00	1.76		ug/L		88	57 - 128	5	20
2,6-Dinitrotoluene	2.00	1.49		ug/L		75	57 - 124	10	20
2-Chloronaphthalene	2.00	1.20		ug/L		60	40 - 116	19	20
2-Chlorophenol	2.00	1.46		ug/L		73	38 - 117	14	20
2-Nitrophenol	2.00	1.45		ug/L		72	47 - 123	10	20
3,3'-Dichlorobenzidine	4.00	4.22		ug/L		105	27 - 129	8	20
4,6-Dinitro-2-methylphenol	4.00	2.99		ug/L		75	44 - 137	6	20
4-Bromophenyl phenyl ether	2.00	1.80		ug/L		90	55 - 124	3	20
4-Chloro-3-methylphenol	2.00	1.53		ug/L		77	52 - 119	6	20
4-Chlorophenyl phenyl ether	2.00	1.38		ug/L		69	53 - 121	19	20
Azobenzene	2.00	1.61	J	ug/L		80	61 - 116	3	20
Bis(2-chloroethoxy)methane	2.00	1.37		ug/L		68	48 - 120	18	20
Bis(2-chloroethyl)ether	2.00	1.28		ug/L		64	43 - 118	20	20
Bis(2-ethylhexyl) phthalate	2.00	2.33	J	ug/L		116	55 - 135	7	20
Butyl benzyl phthalate	2.00	2.07	J	ug/L		103	53 - 134	10	20
Diethyl phthalate	2.00	1.80		ug/L		90	56 - 125	2	20
Dimethyl phthalate	2.00	1.70		ug/L		85	45 - 127	12	20
Di-n-butyl phthalate	2.00	2.04	J	ug/L		102	59 - 127	10	20
Di-n-octyl phthalate	2.00	2.07		ug/L		104	51 - 140	5	20
Hexachlorobenzene	2.00	1.92		ug/L		96	53 - 125	2	20
Hexachlorobutadiene	2.00	0.741	J Q	ug/L		37	22 - 124	61	20

Method: 8270E - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 580-383033/3-A
Matrix: Water
Analysis Batch: 383057

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383033

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Hexachlorocyclopentadiene			2.00	0.575	J Q	ug/L		29	20 - 125	62	20
Hexachloroethane			2.00	0.740	J Q	ug/L		37	21 - 115	64	20
Isophorone			2.00	1.41		ug/L		70	42 - 124	20	20
m+p-Cresol			2.00	1.19		ug/L		59	29 - 110	13	20
Nitrobenzene			2.00	1.39		ug/L		69	45 - 121	18	20
N-Nitrosodimethylamine			2.00	1.01	J	ug/L		50	45 - 125	11	20
N-Nitrosodi-n-propylamine			2.00	1.38		ug/L		69	49 - 119	16	20
N-Nitrosodiphenylamine			2.00	1.86		ug/L		93	51 - 123	1	20
o-Cresol			2.00	1.29		ug/L		65	30 - 117	20	20
Pentachlorophenol			4.00	2.79	J	ug/L		70	35 - 138	2	20
Phenol			2.00	0.819	J M	ug/L		41	13 - 120	11	20
Pyrene			2.00	1.75		ug/L		88	57 - 126	4	20
Pyridine			4.00	1.15	J	ug/L		29	20 - 125	11	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2,4,6-Tribromophenol (Surr)	*101*		*43 - 140*
2-Fluorobiphenyl	*64*		*44 - 119*
2-Fluorophenol (Surr)	*46*		*19 - 119*
Nitrobenzene-d5 (Surr)	*63*		*44 - 120*
Phenol-d5 (Surr)	*37*	*M*	*10 - 120*
Terphenyl-d14	*115*		*50 - 134*

Method: 8270E - Semivolatile Organic Compounds (GC/MS) - RA

Lab Sample ID: MB 580-383033/1-A
Matrix: Water
Analysis Batch: 384307

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383033

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
4-Nitrophenol - RA	6.0	U	10	1.7	ug/L		03/07/22 09:32	03/18/22 11:46	1
bis (2-chloroisopropyl) ether - RA	0.15	U M	0.25	0.060	ug/L		03/07/22 09:32	03/18/22 11:46	1

Lab Sample ID: LCS 580-383033/2-A
Matrix: Water
Analysis Batch: 384307

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383033

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Nitrophenol - RA			4.00	2.45	J	ug/L		61	35 - 145
bis (2-chloroisopropyl) ether - RA			2.00	1.47		ug/L		74	37 - 130

Lab Sample ID: LCSD 580-383033/3-A
Matrix: Water
Analysis Batch: 384307

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383033

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Nitrophenol - RA			4.00	2.65	J	ug/L		66	35 - 145	8	20
bis (2-chloroisopropyl) ether - RA			2.00	1.41		ug/L		71	37 - 130	4	20

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM)

Lab Sample ID: MB 580-383033/1-A
Matrix: Water
Analysis Batch: 383161

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 383033

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1-Methylnaphthalene	0.032	U	0.10	0.019	ug/L		03/07/22 09:32	03/08/22 12:09	1
2-Methylnaphthalene	0.080	U	0.20	0.039	ug/L		03/07/22 09:32	03/08/22 12:09	1
Acenaphthene	0.032	U	0.10	0.014	ug/L		03/07/22 09:32	03/08/22 12:09	1
Acenaphthylene	0.032	U	0.050	0.0090	ug/L		03/07/22 09:32	03/08/22 12:09	1
Anthracene	0.080	U	0.10	0.022	ug/L		03/07/22 09:32	03/08/22 12:09	1
Benzo[a]anthracene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 12:09	1
Benzo[a]pyrene	0.032	U	0.10	0.011	ug/L		03/07/22 09:32	03/08/22 12:09	1
Benzo[b]fluoranthene	0.032	U	0.050	0.011	ug/L		03/07/22 09:32	03/08/22 12:09	1
Benzo[g,h,i]perylene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 12:09	1
Benzo[k]fluoranthene	0.032	U	0.050	0.012	ug/L		03/07/22 09:32	03/08/22 12:09	1
Chrysene	0.032	U	0.10	0.016	ug/L		03/07/22 09:32	03/08/22 12:09	1
Dibenz(a,h)anthracene	0.032	U	0.10	0.026	ug/L		03/07/22 09:32	03/08/22 12:09	1
Fluoranthene	0.032	U	0.20	0.018	ug/L		03/07/22 09:32	03/08/22 12:09	1
Fluorene	0.032	U	0.10	0.017	ug/L		03/07/22 09:32	03/08/22 12:09	1
Indeno[1,2,3-cd]pyrene	0.032	U	0.050	0.014	ug/L		03/07/22 09:32	03/08/22 12:09	1
Naphthalene	0.080	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 12:09	1
Phenanthrene	0.080	U	0.10	0.031	ug/L		03/07/22 09:32	03/08/22 12:09	1
Pyrene	0.080	U	0.10	0.033	ug/L		03/07/22 09:32	03/08/22 12:09	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-methylnaphthalene-d10	*61*	*M*	*40 - 140*	*03/07/22 09:32*	*03/08/22 12:09*	*1*
Fluoranthene-d10 (Surr)	*94*		*40 - 140*	*03/07/22 09:32*	*03/08/22 12:09*	*1*
Terphenyl-d14	*103*		*58 - 132*	*03/07/22 09:32*	*03/08/22 12:09*	*1*

Lab Sample ID: LCS 580-383033/2-A
Matrix: Water
Analysis Batch: 383161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383033

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1-Methylnaphthalene	2.00	1.36		ug/L		68	41 - 115
2-Methylnaphthalene	2.00	1.33		ug/L		66	39 - 114
Acenaphthene	2.00	1.37		ug/L		68	48 - 114
Acenaphthylene	2.00	1.31		ug/L		65	35 - 121
Anthracene	2.00	1.68		ug/L		84	53 - 119
Benzo[a]anthracene	2.00	1.63		ug/L		82	59 - 120
Benzo[a]pyrene	2.00	1.66		ug/L		83	53 - 120
Benzo[b]fluoranthene	2.00	1.58		ug/L		79	53 - 126
Benzo[g,h,i]perylene	2.00	1.86		ug/L		93	44 - 128
Benzo[k]fluoranthene	2.00	1.99		ug/L		99	54 - 125
Chrysene	2.00	1.74		ug/L		87	57 - 120
Dibenz(a,h)anthracene	2.00	1.79	M	ug/L		90	44 - 131
Fluoranthene	2.00	1.74		ug/L		87	58 - 120
Fluorene	2.00	1.52		ug/L		76	50 - 118
Indeno[1,2,3-cd]pyrene	2.00	1.48	M	ug/L		74	48 - 130
Naphthalene	2.00	1.40		ug/L		70	43 - 114
Phenanthrene	2.00	1.55		ug/L		78	53 - 115
Pyrene	2.00	1.72		ug/L		86	53 - 121

Method: 8270E SIM - Semivolatile Organic Compounds (GC/MS SIM) (Continued)

Lab Sample ID: LCS 580-383033/2-A
Matrix: Water
Analysis Batch: 383161

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 383033

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-methylnaphthalene-d10	*65*		*40 - 140*
Fluoranthene-d10 (Surr)	*86*		*40 - 140*
Terphenyl-d14	*95*		*58 - 132*

Lab Sample ID: LCSD 580-383033/3-A
Matrix: Water
Analysis Batch: 383161

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 383033

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1-Methylnaphthalene			2.00	1.11		ug/L		56	41 - 115	20	20
2-Methylnaphthalene			2.00	1.07	Q	ug/L		54	39 - 114	22	20
Acenaphthene			2.00	1.25		ug/L		62	48 - 114	9	20
Acenaphthylene			2.00	1.19		ug/L		59	35 - 121	10	20
Anthracene			2.00	1.65		ug/L		82	53 - 119	2	20
Benzo[a]anthracene			2.00	1.69		ug/L		85	59 - 120	4	20
Benzo[a]pyrene			2.00	1.74		ug/L		87	53 - 120	5	20
Benzo[b]fluoranthene			2.00	1.75		ug/L		87	53 - 126	10	20
Benzo[g,h,i]perylene			2.00	1.98		ug/L		99	44 - 128	6	20
Benzo[k]fluoranthene			2.00	2.10		ug/L		105	54 - 125	6	20
Chrysene			2.00	1.80		ug/L		90	57 - 120	3	20
Dibenz(a,h)anthracene			2.00	1.90	M	ug/L		95	44 - 131	6	20
Fluoranthene			2.00	1.77		ug/L		88	58 - 120	2	20
Fluorene			2.00	1.40		ug/L		70	50 - 118	8	20
Indeno[1,2,3-cd]pyrene			2.00	1.72	M	ug/L		86	48 - 130	15	20
Naphthalene			2.00	1.18		ug/L		59	43 - 114	17	20
Phenanthrene			2.00	1.51		ug/L		75	53 - 115	3	20
Pyrene			2.00	1.75		ug/L		88	53 - 121	2	20

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-methylnaphthalene-d10	*61*	*M*	*40 - 140*
Fluoranthene-d10 (Surr)	*86*		*40 - 140*
Terphenyl-d14	*94*		*58 - 132*

Lab Chronicle

Client: AECOM
Job ID: 580-110975-1
Project/Site: Red Hill GW

Client Sample ID: ERH2673 (RHMW07)
Lab Sample ID: 580-110975-1
Date Collected: 03/01/22 08:55
Matrix: Water
Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 12:03	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 14:30	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 13:26	E1L	FGS SEA

Client Sample ID: ERH2648 (RHMW08)
Lab Sample ID: 580-110975-2
Date Collected: 02/28/22 13:35
Matrix: Water
Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 12:26	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 14:53	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 13:45	E1L	FGS SEA

Client Sample ID: ERH2649 (OWDFMW07A)
Lab Sample ID: 580-110975-3
Date Collected: 02/28/22 13:40
Matrix: Water
Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 12:49	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 15:16	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 14:04	E1L	FGS SEA

Client Sample ID: ERH2650 (OWDFMW08A)
Lab Sample ID: 580-110975-4
Date Collected: 02/28/22 09:45
Matrix: Water
Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 13:12	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 15:40	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 14:23	E1L	FGS SEA

Lab Chronicle

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2651 (OWDFMW08A FD)

Lab Sample ID: 580-110975-5

Date Collected: 02/28/22 09:45
Matrix: Water
Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 13:35	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 16:03	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 14:43	E1L	FGS SEA

Client Sample ID: ERH2652 (RHMW14-3)

Lab Sample ID: 580-110975-6

Date Collected: 03/01/22 10:25
Matrix: Water
Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 13:58	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 16:27	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 15:02	E1L	FGS SEA

Client Sample ID: ERH2653 (RHMW16)

Lab Sample ID: 580-110975-7

Date Collected: 03/01/22 11:10
Matrix: Water
Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 14:21	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 16:50	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 15:21	E1L	FGS SEA

Client Sample ID: ERH2654 (RHMW12A)

Lab Sample ID: 580-110975-8

Date Collected: 03/01/22 14:20
Matrix: Water
Date Received: 03/03/22 09:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 14:45	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 17:13	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 15:40	E1L	FGS SEA

Lab Chronicle

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Client Sample ID: ERH2655 (RHMW04)

Date Collected: 03/01/22 11:30
Date Received: 03/03/22 09:40

Lab Sample ID: 580-110975-9

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E		1	383156	03/08/22 15:08	W1T	FGS SEA
Total/NA	Prep	3510C	RA		383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E	RA	1	384307	03/18/22 17:37	ADB	FGS SEA
Total/NA	Prep	3510C			383033	03/07/22 09:32	JJY	FGS SEA
Total/NA	Analysis	8270E SIM		1	383161	03/08/22 15:59	E1L	FGS SEA

Laboratory References:

FGS SEA = Eurofins Seattle, 5755 8th Street East, Tacoma, WA 98424, TEL (253)922-2310

Accreditation/Certification Summary

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Laboratory: Eurofins Seattle

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
ANAB	Dept. of Defense ELAP	L2236	01-19-25

Sample Summary

Client: AECOM
Project/Site: Red Hill GW

Job ID: 580-110975-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
580-110975-1	ERH2673 (RHMW07)	Water	03/01/22 08:55	03/03/22 09:40
580-110975-2	ERH2648 (RHMW08)	Water	02/28/22 13:35	03/03/22 09:40
580-110975-3	ERH2649 (OWDFMW07A)	Water	02/28/22 13:40	03/03/22 09:40
580-110975-4	ERH2650 (OWDFMW08A)	Water	02/28/22 09:45	03/03/22 09:40
580-110975-5	ERH2651 (OWDFMW08A FD)	Water	02/28/22 09:45	03/03/22 09:40
580-110975-6	ERH2652 (RHMW14-3)	Water	03/01/22 10:25	03/03/22 09:40
580-110975-7	ERH2653 (RHMW16)	Water	03/01/22 11:10	03/03/22 09:40
580-110975-8	ERH2654 (RHMW12A)	Water	03/01/22 14:20	03/03/22 09:40
580-110975-9	ERH2655 (RHMW04)	Water	03/01/22 11:30	03/03/22 09:40

580-110975 Chain of Custody

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Matt Yiem	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: Euro202202-2
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 8083494738	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:	Analysis Requested		Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Honolulu	TAT Requested (days): Rush - ASAP			
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			Other:
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D SIM (Eurofins Seattle) (Nap, 1-2-Methylnap, PAH) by 8270DSIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:		N	N			
1 ERH2673 (RHMW07)	3/1/22	0855	G	W	N	N	x	2	

3/2/22 MM

3/2/22 MM

Therm. ID: A3 Cor: 0.6° Unc: 0.6°
Cooler Dsc: MR Bulk
Packing: FedEx: P.U
Cust. Seal: Yes ___ No ___ UPS: ___
Blue Ice, Wet, Dry, None Lab Cour: ___
Other: ___

Possible Hazard Identification
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Maggie Nutter	3/2/22 1000	AECOM	MM	3/3/22 0940	EFLS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver. 01/16/2019

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Gavin Mura	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: 02282022-05
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 808 987-3201	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			
City: Honolulu	TAT Requested (days): RUSH /ASAP			
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
2 ERH2648 (RHMW08)	2/28/22	13:35	G	W	N	N	X	2	

3/2/2022

3/2/2022 DE

Therm. ID: A3 Cor: 1.7 ° Unc: 1.7 °
Cooler Dsc: MR
Packing: Bwb
Cust. Seal: Yes ✓ No
Blue Ice, Wet, Dry, None
FedEx: P-O
UPS:
Lab Cour:
Other:

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by: | Date: | Time: | Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Diana Escobar	3/2/2022 10:00 AM	AECOM		3/3/22 0930	EFGS

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: AECOM RS,TN,RC	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: 02282022-08
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 808 393.6607	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			
City: Honolulu	TAT Requested (days): RUSH /ASAP			
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Analysis Requested

3/2/2022 DE

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-, 2-Methylnap, PAH) by 8270DSIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
3 ERH2649 (OWDFMW07A)	2/28/22	13:40	G	W	N	N	X	2	

3/2/2022 DE

Therm. ID: A3 Cor: 1.5 ° Unc: 1.5 °
Cooler Dsc: SS FedEx: PvD
Packing: Bub UPS:
Cust. Seal: Yes No Lab Cour:
Blue Ice, Wet, Dry, None Other:

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
Diana Escobar	3/2/22 9:50 Am	AECOM		3/3/22 0930	EFHS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: Ryan Shinmoto	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: 02282022-06
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 808 393.6007	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			
City: Honolulu	TAT Requested (days): RUSH /ASAP			
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Analysis Requested

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-, 2-Methylnap, PAH) by 8270DSIM	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
4 ERH2650 (OWDFMW08A)	2/28/22	09:45	G	W	N	N	X	2	
5 ERH2651 (OWDFMW08A FD)	2/28/22	09:45	G	W	N	N	x	2	

3/2/2022 DE

3/2/2022 DE

Therm. ID: A3 Cor: 1.2 Unc: 1.2
Cooler Dsc: LR
Packing: Bulk
Cust. Seal: Yes ___ No ___
Blue Ice, Wet, Dry, None
FedEx: ___
UPS: ___
Lab Cour: ___
Other: ___

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Possible Hazard Identification
☑ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☑ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Diana Escobar	3/2/22 10:17	AECOM		3/3/22 0930	EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: CB CBZ CW RT	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: Euro202202-4
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 808 393 6607 916-769-9323	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract	Analysis Requested		Preservation Codes: A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)
City: Honolulu	TAT Requested (days): Rush - ASAP			
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			Other:
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM (Eurofins Seattle)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	X	
ERH2652 (RHMW14-3)	3/1/22	1025	G	W	N	N	x	2	

MN 3/2/22

3/2/22 MN

Therm. ID: A3 Cor: 1.4 ° Unc: 1.4 °
Cooler Dsc: LB FedEx: P.O
Packing: Bub UPS:
Cust. Seal: Yes No Lab Cour:
Blue Ice, Wet, Dry, None Other:

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological	☐ Return To Client ■ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Maya K Nutter	3/2/22 1000	AECOM		3/3/22 0930	EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver 01/16/2019

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: CH RS JV	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: Euro202202-5
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 808 393 6607	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:	Analysis Requested		Job #:

Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract	
City: Honolulu	TAT Requested (days): Rush - ASAP	
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No	
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:	
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:	
Project Name: CV18F0126	Project #: 60571032	
Site: RH	SSOW#:	

MN 3/2/22

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM (Eurofins Seattle)	Total Number of containers	Special Instructions/Note:
			Preservation Code:			N			
1 ERH2653 (RHMW16)	3/1/22	1110	G	W	N	N	x	2	

MN 3/2/22

Therm. ID: A3 Cor: 1.4 ° Unc: 1.4 °
Cooler Dsc: UB
Packing: Bulb
Cust. Seals Yes ___ No ___
Blue Ice: Wet / Dry, None
FedEx: P.O
UPS:
Lab Cour:
Other:

Possible Hazard Identification
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)
Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD.
Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Maggie Nutter	3/2/22 1000	AECOM	MN	3/3/22 0930	EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: CH RS JV	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: Euro202202-3
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 808 393 6607	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:
Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract			
City: Honolulu	TAT Requested (days): Rush - ASAP			
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No			
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:			
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:			
Project Name: CV18F0126	Project #: 60571032			
Site: RH	SSOW#:			

Analysis Requested

MN 3/2/22

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM (Eurofins Seattle)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
4 ERH2654 (RHMW12A)	3/1/22	1420	G	W	N	N	x	2	

3/2/22 MN

Therm. ID: A3 Cor: 1.4 ° Unc: 1.4 °
Cooler Dsc: LB Push
Packing:
Cust. Seal: Yes No
Blue Ice, Wet, Dry, None
FedEx: P.U
UPS:
Lab Cour:
Other:

Possible Hazard Identification
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For _____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Maggie Nutter	3/2/22 1000	AECOM	MN	3/3/22 0930	EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Eurofins FGS, Seattle
5755 8th Street East
Tacoma, WA 98424

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: MY, MK, BF	Lab PM: Elaine Walker	Carrier Tracking No(s): FedEx	COC No: Euro202202-1
Client Contact: Alethea Ramos (alternate: Margie Pascua)	Phone: 908 349 4733	E-Mail: M.Elaine.Walker@EurofinsET.com	State of Origin: Hawaii	Page: Page 1 of 1
Company: AECOM	PWSID:			Job #:

Address: 1001 Bishop St. Suite 1600	Due Date Requested: see subcontract
City: Honolulu	TAT Requested (days): Rush - ASAP
State, Zip: Hawaii 96813	Compliance Project: Δ Yes Δ No
Phone: 808-521-3051 (direct: 808-529-7283) (alternate: 808-356-5373)	PO #:
Email: alethea.ramos@aecom.com (alternate: margie.pascua@aecom.com)	WO #:
Project Name: CV18F0126	Project #: 60571032
Site: RH	SSOW#:

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	SVOCs (full suite) by 8270D (Nap, 1-2-Methylnap, PAH) by 8270DSIM (Eurofins Seattle)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N		
ERH2655 (RHMW04)	3/1/22	1130	G	W	N	N	x	2	

MM 3/2/22

MM 3/2/22

Therm. ID: A3 Cor: 1.4 ° Unc: 1.4 °
Cooler Dsc: LR
Packing: Bub
Cust. Seal: Yes ___ No ___
Blue Ice, Wet, Dry, None
FedEx: P.O
UPS: ___
Lab Cour: ___
Other: ___

Possible Hazard Identification
■ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ■ Disposal By Lab ☐ Archive For ___ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Prelim data (Level 1or2)=see TAT above. DoD Stage 4 report standard TAT. AECOM EQuIS EDD

Special Instructions/QC Requirements: DOD QSM project.

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by: Maggie Nuffer	Date/Time: 3/2/22 1000	Company: AECOM	Received by:	Date/Time: 3/3/22 0930	Company: EFGS
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: AECOM

Job Number: 580-110975-1

Login Number: 110975
List Number: 1
Creator: Greene, Ashton R

List Source: Eurofins Seattle

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

ANALYTICAL SUMMARY REPORT

March 04, 2022

AECOM - Honolulu
1001 Bishop Street, Suite 1600
Honolulu HI, 96813-3698

Work Order: B22020415 Quote ID: 5912

Project Name: CV18F0126, 60571032.02.46.01

Energy Laboratories Inc Billings MT received the following 36 samples from AECOM - Honolulu on 2/8/2022 for analysis.

Lab ID	Client Sample ID	Collect Date	Received Date	Matrix	Test
B22020415-001	ERH2522 (Sump Adit 3)	02/03/22 15:20	02/08/2022	Ground Water	Metals Digestion by SW3010A DRO-Liquid-Liquid Extraction SW3520C Low Level PAH by 8270C SIM SW8270CSIM Separatory Funnel SW3510C Liquid-Liquid Ext. Carbon, Total Organic SW9060A Metals by ICP-MS, Dissolved SW6020 Metals by ICP-MS, Total SW6020 8260-Volatile Organic Compounds-Short List SW8260B EDB in Water by ECD SW8011 Gasoline Range Organics SW8015C Diesel Range Organics SW8015C Headspace Gas Analysis SW8015M Semi-Volatile Organic Compounds, Extended List SW8270C SW8011 Microextraction
B22020415-002	ERH2521 (Trip Blanks)-14694	02/03/22 15:20	02/08/2022	Trip Blank	8260-Volatile Organic Compounds-Short List SW8260B
B22020415-003	ERH2521 (Trip Blanks)-14733	02/03/22 15:20	02/08/2022	Trip Blank	Gasoline Range Organics SW8015C
B22020415-004	ERH2521 (Trip Blanks)-14733	02/03/22 15:20	02/08/2022	Trip Blank	EDB in Water by ECD SW8011 SW8011 Microextraction
B22020415-005	ERH2521 (Trip Blanks) 14709	02/03/22 15:20	02/08/2022	Trip Blank	Headspace Gas Analysis SW8015M

ANALYTICAL SUMMARY REPORT

B22020415-006	ERH2514 (RHMW01R)	02/03/22 13:40	02/08/2022	Ground Water	Metals Digestion by SW3010A DRO-Liquid-Liquid Extraction SW3520C Low Level PAH by 8270C SIM SW8270CSIM Separatory Funnel SW3510C Liquid-Liquid Ext. Carbon, Total Organic SW9060A Metals by ICP-MS, Dissolved SW6020 Metals by ICP-MS, Total SW6020 8260-Volatile Organic Compounds-Short List SW8260B EDB in Water by ECD SW8011 Gasoline Range Organics SW8015C Diesel Range Organics SW8015C Headspace Gas Analysis SW8015M Semi-Volatile Organic Compounds, Extended List SW8270C SW8011 Microextraction
B22020415-007	ERH2513 (Trip Blanks)-14694	02/03/22 13:40	02/08/2022	Trip Blank	8260-Volatile Organic Compounds-Short List SW8260B
B22020415-008	ERH2513 (Trip Blanks)-14733	02/03/22 13:40	02/08/2022	Trip Blank	Gasoline Range Organics SW8015C
B22020415-009	ERH2513 (Trip Blanks)-14733	02/03/22 13:40	02/08/2022	Trip Blank	EDB in Water by ECD SW8011 SW8011 Microextraction
B22020415-010	ERH2513 (Trip Blanks)-14709	02/03/22 13:40	02/08/2022	Trip Blank	Headspace Gas Analysis SW8015M
B22020415-011	ERH2507 (OWDFMW07A)	02/02/22 18:15	02/08/2022	Ground Water	Metals Digestion by SW3010A DRO-Liquid-Liquid Extraction SW3520C Low Level PAH by 8270C SIM SW8270CSIM Separatory Funnel SW3510C Liquid-Liquid Ext. Carbon, Total Organic SW9060A Metals by ICP-MS, Dissolved SW6020 Metals by ICP-MS, Total SW6020 8260-Volatile Organic Compounds-Short List SW8260B EDB in Water by ECD SW8011 Gasoline Range Organics SW8015C Diesel Range Organics SW8015C Headspace Gas Analysis SW8015M Semi-Volatile Organic Compounds, Extended List SW8270C SW8011 Microextraction
B22020415-012	ERH2506 (Trip Blank)-14733	02/02/22 18:15	02/08/2022	Trip Blank	8260-Volatile Organic Compounds-Short List SW8260B

ANALYTICAL SUMMARY REPORT

B22020415-013	ERH2506 (Trip Blank)-14694	02/02/22 18:15	02/08/2022	Trip Blank	Gasoline Range Organics SW8015C
B22020415-014	ERH2506 (Trip Blank)-14694	02/02/22 18:15	02/08/2022	Trip Blank	EDB in Water by ECD SW8011 SW8011 Microextraction
B22020415-015	ERH2506 (Trip Blank)-14709	02/02/22 18:15	02/08/2022	Trip Blank	Headspace Gas Analysis SW8015M
B22020415-016	ERH2510 (OWDFMW08A)	02/02/22 15:05	02/08/2022	Ground Water	DRO-Liquid-Liquid Extraction SW3520C Low Level PAH by 8270C SIM SW8270CSIM Separatory Funnel SW3510C Liquid-Liquid Ext. 8260-Volatile Organic Compounds-Short List SW8260B Gasoline Range Organics SW8015C Diesel Range Organics SW8015C Semi-Volatile Organic Compounds, Extended List SW8270C
B22020415-017	ERH2509 (OWDFMW08A)	02/02/22 15:05	02/08/2022	Ground Water	Metals Digestion by SW3010A DRO-Liquid-Liquid Extraction SW3520C Low Level PAH by 8270C SIM SW8270CSIM Separatory Funnel SW3510C Liquid-Liquid Ext. Carbon, Total Organic SW9060A Metals by ICP-MS, Dissolved SW6020 Metals by ICP-MS, Total SW6020 8260-Volatile Organic Compounds-Short List SW8260B EDB in Water by ECD SW8011 Gasoline Range Organics SW8015C Diesel Range Organics SW8015C Headspace Gas Analysis SW8015M Semi-Volatile Organic Compounds, Extended List SW8270C SW8011 Microextraction
B22020415-018	ERH2508 (Trip Blank)-14733	02/02/22 15:05	02/08/2022	Trip Blank	8260-Volatile Organic Compounds-Short List SW8260B
B22020415-019	ERH2508 (Trip Blank)-14694	02/02/22 15:05	02/08/2022	Trip Blank	Gasoline Range Organics SW8015C
B22020415-020	ERH2508 (Trip Blank)-14694	02/02/22 15:05	02/08/2022	Trip Blank	EDB in Water by ECD SW8011 SW8011 Microextraction
B22020415-021	ERH2508 (Trip Blank)-14709	02/02/22 15:05	02/08/2022	Trip Blank	Headspace Gas Analysis SW8015M

ANALYTICAL SUMMARY REPORT

B22020415-022	ERH2512 (RHMW19)	02/02/22 15:05	02/08/2022	Ground Water	Metals Digestion by SW3010A DRO-Liquid-Liquid Extraction SW3520C Low Level PAH by 8270C SIM SW8270CSIM Separatory Funnel SW3510C Liquid-Liquid Ext. Carbon, Total Organic SW9060A Metals by ICP-MS, Dissolved SW6020 Metals by ICP-MS, Total SW6020 8260-Volatile Organic Compounds-Short List SW8260B EDB in Water by ECD SW8011 Gasoline Range Organics SW8015C Diesel Range Organics SW8015C Headspace Gas Analysis SW8015M Semi-Volatile Organic Compounds, Extended List SW8270C SW8011 Microextraction
B22020415-023	ERH2511 (Trip Blank)-14653	02/02/22 15:05	02/08/2022	Trip Blank	8260-Volatile Organic Compounds-Short List SW8260B
B22020415-024	ERH2511 (Trip Blank)-14694	02/02/22 15:05	02/08/2022	Trip Blank	Gasoline Range Organics SW8015C
B22020415-025	ERH2511 (Trip Blank)-14694	02/02/22 15:05	02/08/2022	Trip Blank	EDB in Water by ECD SW8011 SW8011 Microextraction
B22020415-026	ERH2511 (Trip Blank)-14663	02/02/22 15:05	02/08/2022	Trip Blank	Headspace Gas Analysis SW8015M
B22020415-027	ERH2516 (RHMW2254-01 Bailer)	02/03/22 13:00	02/08/2022	Ground Water	Metals Digestion by SW3010A DRO-Liquid-Liquid Extraction SW3520C Low Level PAH by 8270C SIM SW8270CSIM Separatory Funnel SW3510C Liquid-Liquid Ext. Carbon, Total Organic SW9060A Metals by ICP-MS, Dissolved SW6020 Metals by ICP-MS, Total SW6020 8260-Volatile Organic Compounds-Short List SW8260B EDB in Water by ECD SW8011 Gasoline Range Organics SW8015C Diesel Range Organics SW8015C Headspace Gas Analysis SW8015M Semi-Volatile Organic Compounds, Extended List SW8270C SW8011 Microextraction
B22020415-028	ERH2515 (Trip Blanks)-14694	02/03/22 13:00	02/08/2022	Trip Blank	8260-Volatile Organic Compounds-Short List SW8260B

ANALYTICAL SUMMARY REPORT

B22020415-029	ERH2515 (Trip Blanks)-14733	02/03/22 13:00	02/08/2022	Trip Blank	Gasoline Range Organics SW8015C
B22020415-030	ERH2515 (Trip Blanks)-14733	02/03/22 13:00	02/08/2022	Trip Blank	EDB in Water by ECD SW8011 SW8011 Microextraction
B22020415-031	ERH2515 (Trip Blanks)-14709	02/03/22 13:00	02/08/2022	Trip Blank	Headspace Gas Analysis SW8015M
B22020415-032	ERH2519 (RHMW2254-01 Low Flow)	02/03/22 13:55	02/08/2022	Ground Water	Metals Digestion by SW3010A DRO-Liquid-Liquid Extraction SW3520C Low Level PAH by 8270C SIM SW8270CSIM Separatory Funnel SW3510C Liquid-Liquid Ext. Carbon, Total Organic SW9060A Metals by ICP-MS, Dissolved SW6020 Metals by ICP-MS, Total SW6020 8260-Volatile Organic Compounds-Short List SW8260B EDB in Water by ECD SW8011 Gasoline Range Organics SW8015C Diesel Range Organics SW8015C Headspace Gas Analysis SW8015M Semi-Volatile Organic Compounds, Extended List SW8270C SW8011 Microextraction
B22020415-033	ERH2518 (Trip Blanks)-14733	02/03/22 13:55	02/08/2022	Trip Blank	8260-Volatile Organic Compounds-Short List SW8260B
B22020415-034	ERH2518 (Trip Blanks)-14694	02/03/22 13:55	02/08/2022	Trip Blank	Gasoline Range Organics SW8015C
B22020415-035	ERH2518 (Trip Blanks)-14694	02/03/22 13:55	02/08/2022	Trip Blank	EDB in Water by ECD SW8011 SW8011 Microextraction
B22020415-036	ERH2518 (Trip Blanks)-14709	02/03/22 13:55	02/08/2022	Trip Blank	Headspace Gas Analysis SW8015M

The analyses presented in this report were performed by Energy Laboratories, Inc., 1120 S 27th St., Billings, MT 59101, unless otherwise noted. Any exceptions or problems with the analyses are noted in the report package. Any issues encountered during sample receipt are documented in the Work Order Receipt Checklist.

The results as reported relate only to the item(s) submitted for testing. This report shall be used or copied only in its entirety. Energy Laboratories, Inc. is not responsible for the consequences arising from the use of a partial report.

If you have any questions regarding these test results, please contact your Project Manager.

Report Approved By:

Quality Assurance Manager

Digitally signed by
Leigh Ann. Wise
Date: 2022.03.04 19:20:07 -07:00

CLIENT: AECOM - Honolulu
Project: CV18F0126, 60571032.02.46.01
Work Order: B22020415

Report Date: 3/4/2022

CASE NARRATIVE

General Comments:

For any question please contact your Project Manager at (406) 252-6325 or billingspm@energylab.com.

All analyses have been performed in accordance with DOD QSM Version 5.3 unless otherwise noted below. The specific methodologies used in obtaining the enclosed analytical results are indicated on the Analytical Summary Report and the Laboratory Analytical Report. The samples were received at the appropriate temperature and in accordance with the chain of custody unless otherwise noted in the Work Order Receipt Checklist.

The tests listed below are accredited and meet the requirements of DoD QSM Version 5.3 as verified by ANSI-ASQ National Accreditation Board (ANAB) certificate number ADE-2588. Exceptions to this require client authorization and records documenting this approval are attached in the Sample Management Records. Accreditation may not be offered or required for all methods and analytes reported in this package. Refer to the certificate and scope of accreditation located at https://www.energylab.com/whyus/certifications-quality-control/ or contact your project manager.

Tests for Total Organic Carbon by SW9060A associated with analyst identified as ELI-CA were subcontracted to Energy Laboratories, PO Box 247, Casper, WY, EPA Number WY00002.

Project specific matrix quality control samples may not be reported if site specific samples were not submitted. Matrix quality control samples were performed on project samples where adequate volume was available. All quality control measures met criteria unless otherwise noted in the Analytical QC Exceptions report and in the Analysis Specific Comments below. Where available, sample management records are attached.

The Stage 4 Validation Package includes data reports for all analyses associated with the instrument calibration, quality control (QC) sample analysis, and sample analysis. All analytical data is within method specifications except as noted in the Analytical QC Exceptions report or the Analysis Specific Comments below. The analytical report identifies preparation batch and analytical run IDs associated with each result for a sample. Only the raw data associated with the parameters listed on this report should be validated.

Analysis Specific Comments:

An Analytical QC Exceptions Report has been attached, summarizing all qualified QC results. Where qualified, an analyte exceeded quality control limits, but was not detected in the associated sample(s).

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Chain of Custody & Analytical Request Record

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COC # 202202-6NOI

DoD Samples Page 1 of 1

Account Information (Billing Information)

Company/Name	AECOM
Contact	Alethea Ramos / Margie Pascua
Phone	808-529-7283 / 808-356-5373
Mailing Address	1001 Bishop St., Suite 1600
City, State, Zip	Honolulu, Hawaii 96813
Email	alethea.ramos / margie.pascua@aecom.com
Receive Invoice	☐Hard Copy ☒Email
Receive Report	☐Hard Copy ☒Email
Purchase Order	N/A
Quote	N/A
Bottle Order	N/A

Report Information (if different than Account Information)

Company/Name	AECOM
Contact	see Account information
Phone	
Mailing Address	
City, State, Zip	
Email	USAPimaging@aecom.com
Receive Report	☐Hard Copy ☒Email
Special Report/Formats:	☒ LEVEL IV ☐NELAC ☒ EDD/EDT (contact laboratory) ☐ Other

Comments

1. Project performed under DoD QSM.
2. TPH-DRO needs 3520 extraction.
3. Preliminary data (or Level 1) in 1-2 business days; Level IV report in 10 working days.
4. Note: NOI log is separate from other COC's.
5 *SVOC/VOC (full suite); PAH SIM (naphthalene, 1-methylnaphthalene, 2-methylnaphthlene)

Project Information

Project Name, PWSID, Permit, etc.	CV18F0126, 60571032.02.46.01
Sampler Name	Sampler Phone
Sample Origin State	Hawaii
EPA/State Compliance	☐ Yes ☒ No

The following tests will be subcontracted to other certified laboratories as shown. Signing this COC is authorization to subcontract the analyses as indicated.

Analysis	Subcontract Lab
TOC	Energy Laboratories Inc., Casper

Matrix Codes

A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

All turnaround times are standard unless marked as RUSH.

Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers	Matrix (See Codes Above)	8260 VOCs (Full Suite) + DCA* [40ml VOA w/HCL]	8015 TPH-g [40ml VOA w/ HCL]	RSK175 Methane [40ml VOA w/H2SO4]	8011 EDB [40ml VOA w/HCL]	SVOCs (full suite+Nap, 1-2-Methylnap) by 8270DSIM*	EPA 3630/8015 TPH-d/o +SGC [1-L AG w/H2SO4]	EPA 9060 TOC [250ml AG w/ H3PO4]	EPA 6020 Total Lead [250ml HDPE w/HNO3]	EPA 6020 Diss. Lead [250ml HDPE w/HNO3] (field Filtered)	See Attached	RUSH TAT	ELI LAB ID Laboratory Use Only
1	ERH2522 (Sump Adit 3)	2/3/22	1120	19	GW	✔	✔	✔	✔	✔	✔	✔	✔	✔		X	B220241S-001
2	ERH2521 (Trip Blanks)	2/3/22	1110	8	WQ	✔	✔	✔	✔							X	-002/-003/-004/-005
3	TB-14694 (8260)			2													-002
4	TB-14733 (GRO)			1													-003
5	TB-14733 (8011)			1													-004
6	TB-14709 (Methane)			2													-005
7	TB-14705			2	NA 2/8/22												-006
8																	
9																	

ELI is REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were **NOT** used, please attach your preservative information with this COC.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Alex Edmonds	2/7/22 1430				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Rachel Sell	2/8/22 1145	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check	Amount $	Receipt Number (cash/check only)

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

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Chain of Custody & Analytical Request Record

COC # · 202202-5NOI

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DoD Samples Page 1 of 1

Account Information (Billing information)

Company/Name	AECOM
Contact	Alethea Ramos / Margie Pascua
Phone	808-529-7283 / 808-356-5373
Mailing Address	1001 Bishop St., Suite 1600
City, State, Zip	Honolulu, Hawaii 96813
Email	alethea.ramos / margie.pascua@aecom.com
Receive Invoice	☐Hard Copy ☒Email
Receive Report	☐Hard Copy ☒Email
Purchase Order	N/A
Quote	N/A
Bottle Order	N/A

Report Information (if different than Account Information)

Company/Name	AECOM
Contact	see Account information
Phone	
Mailing Address	
City, State, Zip	
Email	USAPimaging@aecom.com
Receive Report	☐Hard Copy ☒Email
Special Report/Formats:	☒ LEVEL IV ☐NELAC ☒ EDD/EDT (contact laboratory) ☐ Other

Comments

1. Project performed under DoD QSM.
2. TPH-DRO needs 3520 extraction.
3. Preliminary data (or Level 1) in 1-2 business days; Level IV report in 10 working days.
4. Note: NOI log is separate from other COC's.
5. *SVOC/VOC (full suite); PAH SIM (naphthalene, 1-methylnaphthalene, 2-methylnaphthlene)

Project Information

Project Name, PWSID, Permit, etc.	CV18F0126, 60571032.02.46.01
Sampler Name	Gwen Mora
Sampler Phone	808 987-3201
Sample Origin State	Hawaii
EPA/State Compliance	☐ Yes ☒ No

The following tests will be subcontracted to other certified laboratories as shown. Signing this COC is authorization to subcontract the analyses as indicated.

Analysis	Subcontract Lab
TOC	Energy Laboratories Inc., Casper

Matrix Codes

A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

Analysis Requested

#	Sample Identification (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers	Matrix (See Codes Above)	8260 VOC's (Full Suite) + DCA* [40ml VOA w/HCL]	8015 TPH-g [40ml VOA w/ HCL]	RSK175 Methane [40ml VOA w/H2SO4]	8011 EDB [40ml VOA w/HCL]	SVOCs (full suite+Nap, 1-2-Methylnap) by 8270SIM*	EPA 3630/8015 TPH-d/o +SGC [1-L AG w/H2SO4]	EPA 9060 TOC [250ml AG w/ H3PO4]	EPA 6020 Total Lead [250ml HDPE w/HNO3]	EPA 6020 Diss. Lead [250ml HDPE w/HNO3] (field Filtered)	See Attached	RUSH TAT	ELI LAB ID (Laboratory Use Only)
1	ERH2514 (RHMW01R)	02/03/22	0940	19	GW	✔	✔	✔	✔	✔	✔	✔	✔	✔		X	B2202415 - 6
2	ERH2513 (Trip Blanks)	02/03/22	0925	8	WQ	✔	✔	✔	✔							X	
3																	
4	TB 14694 - 8260	2/8/22		2													-7
5	TB 14733 - DRO		FAE 2-8-22	1													-8
6	TB ~~14705 - BTEX~~ 14733 BTEX	02	03/22	1	FAE 2-8-22												-9
7	TB 14709 - MeHg			2													-10
8	TB-14705			2													-042
9																	

All turnaround times are standard unless marked as RUSH.

Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

ELI is REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were **NOT** used, please attach your preservative information with this COC.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Alex Edmonds Jr	02/03/22 1930				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Sonya Mallett	2/8/22 1115	Sonya Mallett

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check	Amount $	Receipt Number (cash/check only)

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

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Chain of Custody & Analytical Request Record

COC #: 202202-1NOI

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DoD Samples Page 1 of 1

Account Information (Billing Information)

Company/Name	AECOM
Contact	Alethea Ramos / Margie Pascua
Phone	808-529-7283 / 808-356-5373
Mailing Address	1001 Bishop St., Suite 1600
City, State, Zip	Honolulu, Hawaii 96813
Email	alethea.ramos / margie.pascua@aecom.com
Receive Invoice	☐Hard Copy ☒Email
Receive Report	☐Hard Copy ☒Email
Purchase Order	N/A
Quote	N/A
Bottle Order	N/A

Report Information (if different than Account Information)

Company/Name	AECOM
Contact	see Account information
Phone	
Mailing Address	
City, State, Zip	
Email	USAPimaging@aecom.com
Receive Report	☐Hard Copy ☒Email
Special Report/Formats:	☒ LEVEL IV ☐NELAC ☒ EDD/EDT (contact laboratory) ☐ Other_____

Comments

1. Project performed under DoD QSM.
2. TPH-DRO needs 3520 extraction.
3. Preliminary data (or Level 1) in 1-2 business days; Level IV report in 10 working days.
4. Note: NOI log is separate from other COC's.
5. *SVOC/VOC (full suite); PAH SIM (Naphthalene, 1-methylnathalene, 2-methylnaphthalene)

Project Information

Project Name, PWSID, Permit, etc.	CV18F0126, 60571032.02.46.01
Sampler Name	Ryan Shimoda
Sampler Phone	808.375.6607
Sample Origin State	Hawaii
EPA/State Compliance	☐ Yes ☐ No

The following tests will be subcontracted to other certified laboratories as shown. Signing this COC is authorization to subcontract the analyses as indicated.

Analysis	Subcontract Lab
TOC	Energy Laboratories Inc., Casper

Matrix Codes

A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

Analysis Requested

All turnaround times are standard unless marked as RUSH

Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling -- See Instructions Page

	Sample Identification (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers	Matrix (See Codes Above)	8260 VOCs (Full Suite) + DCA* [40ml VOA w/HCL]	8015 TPH-g [40ml VOA w/ HCL]	RSK175 Methane [40ml VOA w/H2SO4]	8011 EDB [40ml VOA w/HCL]	SVOCs (full suite+Nap, 1-2-Methylnap) by 8270SIM*	EPA 3630/8015 TPH-d/o +SGC [1-L AG w/H2SO4]	EPA 9060 TOC [250ml AG w/ H3PO4]	EPA 6020 Total Lead [250ml HDPE w/HNO3]	EPA 6020 Diss. Lead [250ml HDPE w/HNO3] (field Filtered)	See Attached	RUSH TAT	ELI LAB ID (Laboratory Use Only)
1	ERH2506 (Trip Blank)	2/2/22	1345	8	WQ	✔	✔	✔	✔							X	B2202-415-11
2	ERH2507 (OWDFMW07A)	2/2/22	1715	19	GW	✔	✔	✔	✔	✔	✔	✔	✔	✔		X	
3																	
4	TB 14733 - 8260	2/8/22		2													-12
5	TB 14694 - DRO		2/3/22	1													-13
6	TB ~~14705~~ 14694 8011 14694			2													-14
7	TB 14709 Methane			2													-15
8	~~TB 14705~~			2													-08
9																	

ELI is REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were **NOT** used, please attach your preservative information with this COC.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Ryan Shimoda	2/4/22 1611				
	Alex Edmonds	2/3/22 1430		Sonya Mallett	2/8/22 1115	Sonya Mallett

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check_____	Amount $	Receipt Number (cash/check only)

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

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Chain of Custody & Analytical Request Record

COC # 202202-3 NOI

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DoD Samples Page 1 of 1

Account Information (Billing Information)

Company/Name	AECOM
Contact	Alethea Ramos / Margie Pascua
Phone	808-529-7283 / 808-356-5373
Mailing Address	1001 Bishop St., Suite 1600
City, State, Zip	Honolulu, Hawaii 96813
Email	alethea.ramos / margie.pascua@aecom.com
Receive Invoice	☐Hard Copy ☒Email
Receive Report	☐Hard Copy ☒Email
Purchase Order	N/A
Quote	N/A
Bottle Order	N/A

Report Information (If different than Account Information)

Company/Name	AECOM
Contact	see Account information
Phone	
Mailing Address	
City, State, Zip	
Email	USAPimaging@aecom.com
Receive Report	☐Hard Copy ☒Email
Special Report/Formats:	☒LEVEL IV ☐NELAC ☒EDD/EDT (contact laboratory) ☐Other

Comments

1. Project performed under DoD QSM.
2. TPH-d/o needs 3520 extraction. per Alethea 2/8/22 BRS
3. Preliminary data (or Level 1) in 1-2 business days; Level IV report in 10 working days.
4. Note: NOI log is separate from other COC's.
5. *SVOC/VOC (full suite); PAH SIM (naphthalene, 1-methylnaphthalene, 2-methylnaphthlene)

Project Information

Project Name, PWSID, Permit, etc.	CV18F0126, 60571032.02.46.01
Sampler Name	Ryan Shinmoto
Sampler Phone	8083936607
Sample Origin State	Hawaii
EPA/State Compliance	☐ Yes ☒ No

The following tests will be subcontracted to other certified laboratories as shown. Signing this COC is authorization to subcontract the analyses as indicated.

Analysis	Subcontract Lab
TOC	Energy Laboratories Inc., Casper

Matrix Codes

A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

Analysis Requested

Sample Identification (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers	Matrix (See Codes Above)	8260 VOC's (Full Suite) + DCA* [40ml VOA w/HCL]	8015 TPH-g [40ml VOA w/ HCL]	RSK175 Methane [40ml VOA w/H2SO4]	8011 EDB [40ml VOA w/HCL]	SVOCs (full suite+Nap, 1-2-Methylnap) by 8270DSIM*	EPA 3630/8015 TPH-d/o +SGC [1-L AG w/H2SO4]	EPA 9060 TOC [250ml AG w/ H3PO4]	EPA 6020 Total Lead [250ml HDPE w/HNO3]	EPA 6020 Diss. Lead [250ml HDPE w/HNO3] (field Filtered)	See Attached	RUSH TAT	ELI LAB ID Laboratory Use Only
1 ERH2510 (OWDFMW08A)	02/02/2022	11:05 am	4	GW					✔	✔					X	B220204I5-016
2																
3																
4																
5	AK	2/3/22														
6																
7																
8																
9																

All turnaround times are standard unless marked as RUSH.

Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling -- See Instructions Page

ELI is REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were **NOT** used, please attach your preservative information with this COC.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Alex Edmonds	2/3/22 1930				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Tabitha Edwards	2/8/22 1145	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check	Amount $	Receipt Number (cash/check only)

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

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Chain of Custody & Analytical Request Record

COC # 202202-2 NOI

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DoD Samples Page 1 of 1

Account Information (Billing information)

Company/Name	AECOM
Contact	Alethea Ramos / Margie Pascua
Phone	808-529-7283 / 808-356-5373
Mailing Address	1001 Bishop St., Suite 1600
City, State, Zip	Honolulu, Hawaii 96813
Email	alethea ramos / margie pascua@aecom com
Receive Invoice	☐Hard Copy ☒Email
Receive Report	☐Hard Copy ☒Email
Purchase Order	N/A
Quote	N/A
Bottle Order	N/A

Report Information (if different than Account Information)

Company/Name	AECOM
Contact	see Account information
Phone	
Mailing Address	
City, State, Zip	
Email	USAPimaging@aecom.com
Receive Report	☐Hard Copy ☒Email

Special Report/Formats: ☒ LEVEL IV ☐NELAC ☒ EDD/EDT (contact laboratory) ☐ Other

Comments

1. Project performed under DoD QSM
2. TPH-DRO needs 3520 extraction
3. Preliminary data (or Level 1) in 1-2 business days; Level IV report in 10 working days.
4. Note: NOI log is separate from other COC's
5. *SVOC/VOC (full suite), PAH SIM (naphthalene, 1-methylnaphthalene, 2-methylnaphthlene)

Project Information

Project Name, PWSID, Permit, etc.	CV18F0126, 60571032.02.46.01
Sampler Name	Ryan Shinmoto
Sampler Phone	8083936607
Sample Origin State	Hawaii
EPA/State Compliance	☐ Yes ☒ No

The following tests will be subcontracted to other certified laboratories as shown. Signing this COC is authorization to subcontract the analyses as indicated.

Analysis	Subcontract Lab
TOC	Energy Laboratories Inc., Casper

Matrix Codes

A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

All turnaround times are standard unless marked as RUSH.

Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers	Matrix (See Codes Above)	8260 VOC's (Full Suite) + DCA* [40ml VOA w/HCL]	8015 TPH-g [40ml VOA w/ HCL]	RSK175 Methane [40ml VOA w/H2SO4]	8011-EDB [40ml VOA w/HCL]	SVOCs (full suite+Nap, 1-2-Methylnap) by 8270DSIM*	EPA 3630/8015 TPH-d/o +SGC [1-L AG w/H2SO4]	EPA 9060 TOC [250ml AG w/ H3PO4]	EPA 6020 Total Lead [250ml HDPE w/HNO3]	EPA 6020 Diss. Lead [250ml HDPE w/HNO3] (field Filtered)	See Attached	RUSH TAT	ELI LAB ID (Laboratory Use Only)
1	ERH2510 (OWDFMW08A)	02/02/2022	11.05 am	6	GW	✔	✔									X	R2202415-016
2	ERH2508 (Trip Blank)	02/02/2022	10.30 am	8	WQ	✔	✔	✔	✔							X	
3	ERH2509 (OWDFMW08A)	02/02/2022	11.05 am	19	GW	✔	✔	✔	✔	✔	✔	✔	✔	✔		X	017
4	TAE 2.8.22																
5	TB-14733 (8260)			2													018
6	TB-14694 (GRO)	"	2/3/22	1													019
7	TB-14694 (8011)			1													020
8	TB-14709 (Methane)			2													021
9	TB-14705			2													039

ELI is REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were **NOT** used, please attach your preservative information with this COC

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Alex Edmonds	02/03/22 1430				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Tabitha Edwards	2.8.22 1115	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check	Amount $	Receipt Number (cash/check only)
				0.5 °C	Y N	Y N			

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Chain of Custody & Analytical Request Record

COC #: 202202-4NOI

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DoD Samples Page 1 of 1

Account Information (Billing information)

Company/Name	AECOM
Contact	Alethea Ramos / Margie Pascua
Phone	808-529-7283 / 808-356-5373
Mailing Address	1001 Bishop St., Suite 1600
City, State, Zip	Honolulu, Hawaii 96813
Email	alethea.ramos / margie.pascua@aecom.com
Receive Invoice	☐Hard Copy ☒Email
Receive Report	☐Hard Copy ☒Email
Purchase Order	N/A
Quote	N/A
Bottle Order	N/A

Report Information (if different than Account Information)

Company/Name	AECOM
Contact	see Account information
Phone	
Mailing Address	
City, State, Zip	
Email	USAPimaging@aecom.com
Receive Report	☐Hard Copy ☒Email

Special Report/Formats: ☒ LEVEL IV ☐NELAC ☒ EDD/EDT (contact laboratory) ☐ Other

Comments

1. Project performed under DoD QSM.
2. TPH-DRO needs 3520 extraction.
3. Preliminary data (or Level 1) in 1-2 business days; Level IV report in 10 working days.
4. Note: NOI log is separate from other COC's.
5. *SVOC/VOC (full suite); PAH SIM (Naphthalene, 1-methylnathalene, 2-methylnaphthalene)

Project Information

Project Name, PWSID, Permit, etc.	CV18F0126, 60571032.02.46.01
Sampler Name	Cara Mun
Sampler Phone	8089857-3201
Sample Origin State	Hawaii
EPA/State Compliance	☐ Yes ☐ No

The following tests will be subcontracted to other certified laboratories as shown. Signing this COC is authorization to subcontract the analyses as indicated.

Analysis	Subcontract Lab
TOC	Energy Laboratories Inc., Casper

Matrix Codes

A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

All turnaround times are standard unless marked as RUSH

Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers	Matrix (See Codes Above)	8260 VOC's (Full Suite) + DCA* [40ml VOA w/HCL]	8015 TPH-g [40ml VOA w/ HCL]	RSK175 Methane [40ml VOA w/H2SO4]	8011 EDB [40ml VOA w/HCL]	SVOCs (full suite+Nap, 1-2-Methylnap) by 8270DSIM*	EPA 3630/8015 TPH-d/o +SGC [1-L AG w/H2SO4]	EPA 9060 TOC [250ml AG w/ H3PO4]	EPA 6020 Total Lead [250ml HDPE w/HNO3]	EPA 6020 Diss. Lead [250ml HDPE w/HNO3] (field Filtered)	See Attached	RUSH TAT	ELI LAB ID (Laboratory Use Only)
1	ERH2511 (Trip Blank)	02/02/22	1040	8	WQ	✔	✔	✔	✔							X	B2202 0415-022
2	ERH2512 (~~OWDEMW07A~~) (RH mw 19)	02/02/22	1105	19	GW	✔	✔	✔	✔	✔	✔	✔	✔	✔		X	
3																	
4	TB 14653 - 8260 2/8/22			2													023
5	TB 14694 - DRO			2													024
6	TB ~~14705~~ - 8011 14,904			2													025
7	TB 14663 - Methane			2													026
8	TB-14705			2													040
9	TAT 2-8-22																

ELI is REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were **NOT** used, please attach your preservative information with this COC.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Alex Edmonds	02/03/22 1430				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Sonya Mellus	2/8/22 1115	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals	Intact	Receipt Temp	Temp Blank	Ice	Payment Type	Amount	Receipt Number (cash/check only)
	1	(Y) N C B	(Y) N	2.4 °C	Y (N)	(Y) N	CC Cash Check	$	

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

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Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

COC # 202202-4NOI

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DoD Samples Page 1 of 1

Account Information (Billing Information)

Company/Name	AECOM
Contact	Alethea Ramos / Margie Pascua
Phone	808-529-7283 / 808-356-5373
Mailing Address	1001 Bishop St., Suite 1600
City, State, Zip	Honolulu, Hawaii 96813
Email	alethea.ramos / margie.pascua@aecom.com
Receive Invoice	☐Hard Copy ☒Email
Receive Report	☐Hard Copy ☒Email
Purchase Order	N/A
Quote	N/A
Bottle Order	N/A

Report Information (if different than Account Information)

Company/Name	AECOM
Contact	see Account information
Phone	
Mailing Address	
City, State, Zip	
Email	USAPimaging@aecom.com
Receive Report	☐Hard Copy ☒Email

Special Report/Formats: ☒ LEVEL IV ☐NELAC ☒ EDD/EDT (contact laboratory) ☐ Other

Comments

1. Project performed under DoD QSM.
2. TPH-DRO needs 3520 extraction.
3. Preliminary data (or Level 1) in 1-2 business days; Level IV report in 10 working days.
4. Note: NOI log is separate from other COC's.
5. *SVOC/VOC (full suite); PAH SIM (naphthalene, 1-methylnaphthalene, 2-methylnaphthlene)

Project Information

Project Name, PWSID, Permit, etc.	CV18F0126, 60571032.02.46.01
Sampler Name	MY, KL, JH
Sampler Phone	808-636-3319
Sample Origin State	Hawaii
EPA/State Compliance	☐ Yes ☒ No

The following tests will be subcontracted to other certified laboratories as shown. Signing this COC is authorization to subcontract the analyses as indicated.

Analysis	Subcontract Lab
TOC	Energy Laboratories Inc., Casper

Matrix Codes: A - Air; W - Water; S - Soils/Solids; V - Vegetation; B - Bioassay; O - Oil; DW - Drinking Water

All turnaround times are standard unless marked as RUSH

Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

	Sample Identification (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers	Matrix (See Codes Above)	8260 VOC's (Full Suite) + DCA* [40ml VOA w/HCL]	8015 TPH-g [40ml VOA w/ HCL]	RSK175 Methane [40ml VOA w/H2SO4]	8011 EDB [40ml VOA w/HCL]	SVOCs (full suite+Nap, 1-2-Methylnap) by 8270SIM*	EPA 3630/8015 TPH-d/o +SGC [1-L AG w/H2SO4]	EPA 8060 TOC [250ml AG w/ H3PO4]	EPA 6020 Total Lead [250ml HDPE w/HNO3]	EPA 6020 Diss. Lead [250ml HDPE w/HNO3] (field Filtered)	See Attached	RUSH TAT	ELI LAB ID (Laboratory Use Only)
1	ERH2516 (RHMW2254-01 Bailer)	2/3/22	0900	19	GW	✔	✔	✔	✔	✔	✔	✔	✔	✔		X	B22020415-027
2	ERH2515 (Trip Blanks)	2/3/22	0850	8	WQ	✔	✔	✔	✔							X	-028 -029 -030 -031
3	TB-14694 (8260)			2													-028
4	TB-14733 (GRO)			1													-029
5	TB-14733 (8011)			1													-030
6	TB-14709 (Methane)			3													-031
7	TB-14705	2 NA	2/8/22														-041
8																	
9																	

ELI is REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were **NOT** used, please attach your preservative information with this COC.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Alex Edmonds	02/03/22 1430				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Richard Stay	2/8/22 11:15	

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check	Amount $	Receipt Number (cash/check only)

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

ENERGY LABORATORIES
Trust our People. Trust our Data.

Chain of Custody & Analytical Request Record

COC # 202202-5NOI

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DoD Samples Page 1 of 1

Account Information (Billing Information)

Company/Name	AECOM
Contact	Alethea Ramos / Margie Pascua
Phone	808-529-7283 / 808-356-5373
Mailing Address	1001 Bishop St., Suite 1600
City, State, Zip	Honolulu, Hawaii 96813
Email	alethea.ramos / margie.pascua@aecom.com
Receive Invoice	☐Hard Copy ☒Email
Receive Report	☐Hard Copy ☒Email
Purchase Order	N/A
Quote	N/A
Bottle Order	N/A

Report Information (if different than Account Information)

Company/Name	AECOM
Contact	see Account information
Phone	
Mailing Address	
City, State, Zip	
Email	USAPimaging@aecom.com
Receive Report	☐Hard Copy ☒Email

Special Report/Formats: ☒ LEVEL IV ☐NELAC ☒ EDD/EDT (contact laboratory) ☐ Other

Comments

1. Project performed under DoD QSM.
2. TPH-DRO needs 3520 extraction.
3. Preliminary data (or Level 1) in 1-2 business days; Level IV report in 10 working days.
4. Note: NOI log is separate from other COC's.
5. *SVOC/VOC (full suite); PAH SIM (naphthalene, 1-methylnaphthalene, 2-methylnaphthlene)

Project Information

Project Name, PWSID, Permit, etc.	CV18F0126, 60571032.02.46 01
Sampler Name	Kevin Lu
Sampler Phone	808 636 3319
Sample Origin State	Hawaii
EPA/State Compliance	☐ Yes ☒ No

The following tests will be subcontracted to other certified laboratories as shown. Signing this COC is authorization to subcontract the analyses as indicated.

Analysis	Subcontract Lab
TOC	Energy Laboratories Inc., Casper

Matrix Codes

A - Air
W - Water
S - Soils/Solids
V - Vegetation
B - Bioassay
O - Oil
DW - Drinking Water

Analysis Requested

Sample Identification (Name, Location, Interval, etc.)	Collection Date	Collection Time	Number of Containers	Matrix (See Codes Above)	8260 VOC's (Full Suite) + DCA* [40ml VOA w/HCL]	8015 TPH-g [40ml VOA w/ HCL]	RSK175 Methane [40ml VOA w/H2SO4]	8011 EDB [40ml VOA w/HCL]	SVOCs (full suite+Nap, 1-2-Methylnap) by 8270SIM*	EPA 3630/8015 TPH-d/o +SGC [1-L AG w/H2SO4]	EPA 9060 TOC [250ml AG w/ H3PO4]	EPA 6020 Total Lead [250ml HDPE w/HNO3]	EPA 6020 Diss. Lead [250ml HDPE w/HNO3] (field Filtered)	See Attached	RUSH TAT	ELI LAB ID (Laboratory Use Only)
1 ERH2519 (RHMW2254-01 Low Flow)	02/03/2022	0955	19	GW	✔	✔	✔	✔	✔	✔	✔	✔	✔		X	B2202 0415-032
2 ERH2518 (Trip Blanks)	02/03/2022	0930	8	WQ	✔	✔	✔	✔							X	
3																
4 TB 14733 - 8260	2/8/22		2													033
5 TB 14694 - DRO			2													034
6 TB 14694 - 8011			1													035
7 TB 14709 - Methane	02/03/22		2													036
8 TB 14705 -			1													037
9																

All turnaround times are standard unless marked as RUSH

Energy Laboratories MUST be contacted prior to RUSH sample submittal for charges and scheduling – See Instructions Page

ELI is REQUIRED to provide preservative traceability. If the preservatives supplied with the bottle order were **NOT** used, please attach your preservative information with this COC.

Custody Record MUST be signed	Relinquished by (print)	Date/Time	Signature	Received by (print)	Date/Time	Signature
	Alex Edmonds	02/03/22 1430				
	Relinquished by (print)	Date/Time	Signature	Received by Laboratory (print)	Date/Time	Signature
				Sonya Mallett	2/8/22 1115	Sonya Mallett

LABORATORY USE ONLY

Shipped By	Cooler ID(s)	Custody Seals Y N C B	Intact Y N	Receipt Temp °C	Temp Blank Y N	On Ice Y N	Payment Type CC Cash Check	Amount $	Receipt Number (cash/check only)

In certain circumstances, samples submitted to Energy Laboratories, Inc. may be subcontracted to other certified laboratories in order to complete the analysis requested. This serves as notice of this possibility. All subcontracted data will be clearly notated on your analytical report.

Work Order Receipt Checklist

AECOM - Honolulu

B22020415

Login completed by:	Tabitha Edwards	Date Received:	2/8/2022
Reviewed by:	BL2000\rshular	Received by:	tae
Reviewed Date:	2/12/2022	Carrier name:	FedEx

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on all sample bottles?	Yes ☑	No ☐	Not Present ☐
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time? (Exclude analyses that are considered field parameters such as pH, DO, Res Cl, Sulfite, Ferrous Iron, etc.)	Yes ☑	No ☐	
Temp Blank received in all shipping container(s)/cooler(s)?	Yes ☑	No ☐	Not Applicable ☐
Container/Temp Blank temperature:	°C On Ice		
Water - VOA vials have zero headspace?	Yes ☑	No ☐	Not Applicable ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	Not Applicable ☐

Standard Reporting Procedures:

Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH, Dissolved Oxygen and Residual Chlorine, are qualified as being analyzed outside of recommended holding time.

Solid/soil samples are reported on a wet weight basis (as received) unless specifically indicated. If moisture corrected, data units are typically noted as –dry. For agricultural and mining soil parameters/characteristics, all samples are dried and ground prior to sample analysis.

Contact and Corrective Action Comments:

Additional Received By:
Richard L. Shular
Sonya Mallett
The shipping containers are processed by multiple sample receiving personel. Reference each Chain of Custody for the individual received by signature.

The Temperature Blank temperature for shipping container 1 was 1.2°C [ERH2522/ERH2521], shipping container 2 was 0.6°C [ERH2514/ERH2513], shipping container 3 was 0.8°C [ERH2507/ERH2506], shipping container 4 was 0.5°C [ERH2510/ERH2509/ERH2508], shipping container 5 was 0.2°C [ERH2510], shipping container 6 was 2.4°C [ERH2512/ERH2511], shipping container 7 was 0.4°C [ERH2516/ERH2515], and shipping container 8 was 1.2°C [ERH2519/ERH2518].

The collection time indicated on the Chain of Custody for all samples is in Hawaii-Aleutian Standard Time. The collection time has been converted (+4 Hours) to Mountain Standard Time.

Qualifiers and Abbreviations

Qualifier	Qualifier Description
##	Limit of Quantitation (LOQ) for this analyte exceeds the Maximum Contaminant Level (MCL)
*	Result exceeds the Maximum Contaminant Level (MCL)
A	The analyte level was greater than four times the spike level - in accordance with the method, percent recovery is not calculated
B	Analyte detected in the method blank
C	Continuing calibration verification was outside of the quality control advisory limits
D	Limit of Quantitation (LOQ) increased due to sample matrix
E	Estimated value - result exceeds the instrument upper quantitation limit
H	Analysis performed past the method holding time
J	The reported result is an estimated value
L	Lowest Limit of Quantitation (LOQ) available for the analytical method used
N	Analyte concentration was not sufficiently high to calculate a Relative Percent Difference (RPD) for the serial dilution test
O	Diluted out
P	Poor method performance - method validations have shown no recoveries at low concentrations or method performance was erratic
Q	Values reported below the Limit of Quantitation (LOQ) are statistically invalid
R	Relative Percent Difference (RPD) exceeds advisory limit
S	Spike recovery outside of advisory limits
T	Analyte detected in the associated trip blank
U	Not detected at the Limit of Detection (LOD)
V	The RPD value for this duplicate represents the RER value and the RPDLimit of 2 is the RER upper limit.

Qualifiers and Abbreviations

Abbreviation

Reporting	Explanation of Abbreviation
DF	Dilution Factor
DL	Detection Limit
LOD	Limit of Detection
LOQ	Limit of Quantitation
MCL	Maximum Contaminant Level
MDC	Minimum Detectable Concentration
ND	Not detected at the Limit of Quantitaton (LOQ)
RBSL	Risk-Based Screening Levels
REC	Recovery
RER	Relative Error Ratio
RPD	Relative Percent Difference
SPK	Spike

Sample Types	Explanation of Abbreviation
CCB	Continuing Calibration Blank
CCV	Continuing Calibration Verification Standard
DUP	Sample Duplicate
ICSA	Interference Check Sample A
ICSAB	Interference Check Sample AB
ICV	Initial Calibration Verification Standard
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
LFB	Laboratory Fortified Blank
LRB	Laboratory Reagent Blank
MBLK	Method Blank
MS	Sample Matrix Spike
MSD	Sample Matrix Spike Duplicate
PDS	Post Digestion/Distillation Spike
QCS	Quality Control Sample
SD	Serial Dilution
SRM	Standard Reference Material

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-001
Client: AECOM - Honolulu
Collection Date: 02/03/2022 15:20
Client Sample ID: ERH2522 (Sump Adit 3)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
LOW LEVEL PAH BY 8270C SIM												
1-Methylnaphthalene	ND	ug/L	1	U	0.10	0.048	0.020		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
2-Methylnaphthalene	ND	ug/L	1	U	0.10	0.048	0.017		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Acenaphthene	ND	ug/L	1	U	0.10	0.048	0.030		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Acenaphthylene	ND	ug/L	1	U	0.10	0.048	0.024		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Anthracene	ND	ug/L	1	U	0.10	0.048	0.027		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Benzo(a)anthracene	ND	ug/L	1	U	0.10	0.048	0.026		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Benzo(a)pyrene	ND	ug/L	1	U	0.10	0.048	0.033		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Benzo(b)fluoranthene	ND	ug/L	1	U	0.10	0.048	0.022		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Benzo(g,h,i)perylene	ND	ug/L	1	U	0.10	0.048	0.026		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Benzo(k)fluoranthene	ND	ug/L	1	U	0.10	0.048	0.028		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Chrysene	ND	ug/L	1	U	0.10	0.048	0.044		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Dibenzo(a,h)anthracene	ND	ug/L	1	U	0.10	0.048	0.035		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Fluoranthene	ND	ug/L	1	U	0.10	0.048	0.022		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Fluorene	ND	ug/L	1	U	0.10	0.048	0.022		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Indeno(1,2,3-cd)pyrene	ND	ug/L	1	U	0.10	0.048	0.047		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Naphthalene	ND	ug/L	1	U	0.10	0.048	0.028		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Phenanthrene	ND	ug/L	1	U	0.10	0.048	0.028		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
Pyrene	ND	ug/L	1	U	0.10	0.048	0.023		SW8270CSIM	02/11/2022 18:01/jph	SV5975.I_220211A : 7	163621
AGGREGATE ORGANICS												
Organic Carbon, Total (TOC) - TOC Range is 0.7 to 0.7	0.68	mg/L	1		0.50	0.50	0.17		SW9060A	02/9/2022 17:48/eli-ca	SUB-C279590 : 4	C_R279590
METALS, DISSOLVED												
Lead	0.00037	mg/L	1	J	0.001	0.0001	0.00006		SW6020	02/14/2022 14:51/srh	ICPMS207-B_220214A : 34	R374695
METALS, TOTAL												
Lead	0.00028	mg/L	1	J	0.001	0.0001	0.00008		SW6020	02/14/2022 15:22/srh	ICPMS207-B_220214A : 39	163617
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Chloroform	0.21	ug/L	1	J	1.0	0.20	0.079		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2522 (Sump Adit 3)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Lab ID: B22020415-001
Collection Date: 02/03/2022 15:20
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Toluene	ND	ug/L	1	UT	1.0	0.20	0.068		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Surr: Dibromofluoromethane	112.0	%REC	1		80-119				SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Surr: 1,2-Dichloroethane-d4	115.0	%REC	1		81-118				SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-001
Client: AECOM - Honolulu
Collection Date: 02/03/2022 15:20
Client Sample ID: ERH2522 (Sump Adit 3)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Surr: Toluene-d8	107.0	%REC	1		89-112				SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
Surr: p-Bromofluorobenzene	102.0	%REC	1		85-114				SW8260B	02/9/2022 08:23/msc	VOA5975C.I_220209A : 5	R374631
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0050	0.0026		SW8011	02/11/2022 18:52/clt	GECD.I_220211A : 21	163636
Surr: 1,1,1,2-Tetrachloroethane	96.0	%REC	1		70-130				SW8011	02/11/2022 18:52/clt	GECD.I_220211A : 21	163636
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	3.7	ug/L	1	J	20	8.7	2.3		SW8015C	02/9/2022 22:28/jp	PE 1_220209A : 19	R374604
Total Purgeable Hydrocarbons	63	ug/L	1		20	10	3.6		SW8015C	02/9/2022 22:28/jp	PE 1_220209A : 19	R374604
Surr: Trifluorotoluene	80.0	%REC	1		70-130				SW8015C	02/9/2022 22:28/jp	PE 1_220209A : 19	R374604
- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.												
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.												
PETROLEUM HYDROCARBONS-SEMI-VOLATILE												
Diesel Range Organics (C10 to C24)	0.32	mg/L	1		0.30	0.14	0.037		SW8015C	02/9/2022 17:18/amn	GCFID-HP5-B_220209A : 6	163616
Diesel Range Organics (SGT-C10 to C24)	0.16	mg/L	1	J	0.30	0.11	0.027		SW8015C	02/10/2022 17:32/amn	GCFID-HP5-B_220209B : 6	163616
Oil Range Hydrocarbons (C24 to C40)	0.12	mg/L	1	J	0.30	0.14	0.084		SW8015C	02/9/2022 17:18/amn	GCFID-HP5-B_220209A : 6	163616
Oil Range Hydrocarbons (SGT-C24 to C40)	ND	mg/L	1	U	0.30	0.14	0.084		SW8015C	02/10/2022 17:32/amn	GCFID-HP5-B_220209B : 6	163616
Total Extractable Hydrocarbons	0.44	mg/L	1		0.30	0.14	0.072		SW8015C	02/9/2022 17:18/amn	GCFID-HP5-B_220209A : 6	163616
Total Extractable Hydrocarbons (SGT)	0.18	mg/L	1	J	0.30	0.11	0.034		SW8015C	02/10/2022 17:32/amn	GCFID-HP5-B_220209B : 6	163616
Surr: o-Terphenyl	94.0	%REC	1		56-125				SW8015C	02/9/2022 17:18/amn	GCFID-HP5-B_220209A : 6	163616
Surr: o-Terphenyl (SGT)	85.0	%REC	1		56-125				SW8015C	02/10/2022 17:32/amn	GCFID-HP5-B_220209B : 6	163616
Surr: n-Triacontane	102.0	%REC	1		50-150				SW8015C	02/9/2022 17:18/amn	GCFID-HP5-B_220209A : 6	163616
Surr: n-Triacontane (SGT)	93.0	%REC	1		50-150				SW8015C	02/10/2022 17:32/amn	GCFID-HP5-B_220209B : 6	163616
- Note: Total Extractable Hydrocarbons are defined as the total hydrocarbon responses regardless of elution time.												
ORGANIC CHARACTERISTICS												
Methane	0.0020	mg/L	1		0.0020	0.0012	0.00070		SW8015M	02/9/2022 10:39/jdw	FID-HEADSPACE_220209A : 5	R374500
SEMI-VOLATILE ORGANIC COMPOUNDS												
1,2,4-Trichlorobenzene	ND	ug/L	1	U	10	4.8	1.8		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
1,2-Dichlorobenzene	ND	ug/L	1	U	10	4.8	1.9		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
1,3-Dichlorobenzene	ND	ug/L	1	U	10	4.8	2.0		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
1,4-Dichlorobenzene	ND	ug/L	1	U	10	4.8	1.9		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
2,4,5-Trichlorophenol	ND	ug/L	1	U	10	4.8	2.1		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
2,4,6-Trichlorophenol	ND	ug/L	1	U	10	4.8	2.5		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
2,4-Dichlorophenol	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
2,4-Dimethylphenol	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
2,4-Dinitrophenol	ND	ug/L	1	U	10	9.6	4.1		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
2,4-Dinitrotoluene	ND	ug/L	1	U	10	4.8	2.9		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-001
Client: AECOM - Honolulu
Collection Date: 02/03/2022 15:20
Client Sample ID: ERH2522 (Sump Adit 3)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
SEMI-VOLATILE ORGANIC COMPOUNDS												
2,6-Dinitrotoluene	ND	ug/L	1	U	10	4.8	3.1		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
2-Chloronaphthalene	ND	ug/L	1	U	10	4.8	2.1		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
2-Chlorophenol	ND	ug/L	1	U	10	4.8	2.4		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
2-Nitrophenol	ND	ug/L	1	U	10	4.8	2.3		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
3,3´-Dichlorobenzidine	ND	ug/L	1	U	10	4.8	2.0		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
4,6-Dinitro-2-methylphenol	ND	ug/L	1	U	10	9.6	2.2		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
4-Bromophenyl phenyl ether	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
4-Chloro-3-methylphenol	ND	ug/L	1	U	10	4.8	1.4		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
4-Chlorophenol	ND	ug/L	1	U	10	4.8	2.5		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
4-Chlorophenyl phenyl ether	ND	ug/L	1	U	10	4.8	2.0		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
4-Nitrophenol	ND	ug/L	1	U	10	9.6	2.4		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Azobenzene	ND	ug/L	1	U	10	4.8	1.0		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
bis(-2-chloroethoxy)Methane	ND	ug/L	1	U	10	4.8	1.3		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
bis(-2-chloroethyl)Ether	ND	ug/L	1	U	10	4.8	2.5		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
bis(2-chloroisopropyl)Ether	ND	ug/L	1	U	10	4.8	1.4		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
bis(2-ethylhexyl)Phthalate	ND	ug/L	1	U	10	4.8	1.8		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Butylbenzylphthalate	ND	ug/L	1	U	10	4.8	1.5		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Di-n-butyl phthalate	ND	ug/L	1	U	10	4.8	0.90		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Di-n-octyl phthalate	ND	ug/L	1	U	10	4.8	1.3		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Diethyl phthalate	ND	ug/L	1	U	10	4.8	2.1		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Dimethyl phthalate	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Hexachlorobenzene	ND	ug/L	1	U	10	4.8	1.3		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Hexachlorobutadiene	ND	ug/L	1	U	10	4.8	2.2		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Hexachlorocyclopentadiene	ND	ug/L	1	U	10	4.8	2.9		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Hexachloroethane	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Isophorone	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
m+p-Cresols	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
n-Nitroso-di-n-propylamine	ND	ug/L	1	U	10	4.8	1.5		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
n-Nitrosodimethylamine	ND	ug/L	1	U	10	4.8	1.5		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
n-Nitrosodiphenylamine	ND	ug/L	1	U	10	4.8	1.1		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Nitrobenzene	ND	ug/L	1	U	10	4.8	2.2		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
o-Cresol	ND	ug/L	1	U	10	4.8	1.8		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Pentachlorophenol	ND	ug/L	1	U	10	9.6	4.1		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Phenol	ND	ug/L	1	U	10	4.8	1.4		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Pyridine	ND	ug/L	1	U	10	4.8	3.1		SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Surr: 2,4,6-Tribromophenol	84.0	%REC	1		43-140				SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Surr: 2-Fluorobiphenyl	63.0	%REC	1		44-119				SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Surr: 2-Fluorophenol	33.0	%REC	1		19-119				SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Surr: Nitrobenzene-d5	66.0	%REC	1		44-120				SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-001
Client: AECOM - Honolulu
Collection Date: 02/03/2022 15:20
Client Sample ID: ERH2522 (Sump Adit 3)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
SEMI-VOLATILE ORGANIC COMPOUNDS												
Surr: Phenol-d5	29.0	%REC	1		10-65				SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621
Surr: Terphenyl-d14	103.0	%REC	1		50-134				SW8270C	02/19/2022 17:10/dsm	SV5973N.I_220218A : 20	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-002
Collection Date: 02/03/2022 15:20
Date Received: 02/08/2022
Report Date: 03/04/2022

Client: AECOM - Honolulu
Client Sample ID: ERH2521 (Trip Blanks)-14694
Project: CV18F0126, 60571032.02.46.01
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Chloroform	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Toluene	0.23	ug/L	1	J	1.0	0.20	0.068		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-002
Client: AECOM - Honolulu
Collection Date: 02/03/2022 15:20
Client Sample ID: ERH2521 (Trip Blanks)-14694
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Surr: Dibromofluoromethane	112.0	%REC	1		80-119				SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Surr: 1,2-Dichloroethane-d4	113.0	%REC	1		81-118				SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Surr: Toluene-d8	107.0	%REC	1		89-112				SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631
Surr: p-Bromofluorobenzene	106.0	%REC	1		85-114				SW8260B	02/9/2022 12:28/msc	VOA5975C.I_220209A : 13	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-003
Client: AECOM - Honolulu
Collection Date: 02/03/2022 15:20
Client Sample ID: ERH2521 (Trip Blanks)-14733
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	U	20	8.7	2.3		SW8015C	02/9/2022 12:45/jp	PE 1_220209A : 7	R374604
Total Purgeable Hydrocarbons	ND	ug/L	1	U	20	10	3.6		SW8015C	02/9/2022 12:45/jp	PE 1_220209A : 7	R374604
Surr: Trifluorotoluene	84.0	%REC	1		70-130				SW8015C	02/9/2022 12:45/jp	PE 1_220209A : 7	R374604

- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-004
Client: AECOM - Honolulu
Collection Date: 02/03/2022 15:20
Client Sample ID: ERH2521 (Trip Blanks)-14733
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0049	0.0025		SW8011	02/11/2022 16:33/clt	GECD.I_220211A : 14	163636
Surr: 1,1,1,2-Tetrachloroethane	91.0	%REC	1		70-130				SW8011	02/11/2022 16:33/clt	GECD.I_220211A : 14	163636

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-005
Client: AECOM - Honolulu
Collection Date: 02/03/2022 15:20
Client Sample ID: ERH2521 (Trip Blanks) 14709
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
ORGANIC CHARACTERISTICS												
Methane	ND	mg/L	1	U	0.0020	0.0012	0.00070		SW8015M	02/9/2022 10:50/jdw	FID-HEADSPACE_220209A : 7	R374500

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2514 (RHMW01R)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Lab ID: B22020415-006
Collection Date: 02/03/2022 13:40
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
LOW LEVEL PAH BY 8270C SIM												
1-Methylnaphthalene	0.036	ug/L	1	J	0.10	0.050	0.020		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
2-Methylnaphthalene	0.036	ug/L	1	J	0.10	0.050	0.017		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Acenaphthene	ND	ug/L	1	U	0.10	0.050	0.031		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Acenaphthylene	0.069	ug/L	1	J	0.10	0.050	0.025		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Anthracene	0.032	ug/L	1	J	0.10	0.050	0.028		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Benzo(a)anthracene	ND	ug/L	1	U	0.10	0.050	0.027		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Benzo(a)pyrene	ND	ug/L	1	U	0.10	0.050	0.034		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Benzo(b)fluoranthene	ND	ug/L	1	U	0.10	0.050	0.022		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Benzo(g,h,i)perylene	ND	ug/L	1	U	0.10	0.050	0.026		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Benzo(k)fluoranthene	ND	ug/L	1	U	0.10	0.050	0.029		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Chrysene	ND	ug/L	1	U	0.10	0.050	0.045		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Dibenzo(a,h)anthracene	ND	ug/L	1	U	0.10	0.050	0.036		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Fluoranthene	ND	ug/L	1	U	0.10	0.050	0.023		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Fluorene	0.073	ug/L	1	J	0.10	0.050	0.022		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Indeno(1,2,3-cd)pyrene	ND	ug/L	1	U	0.10	0.050	0.049		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Naphthalene	ND	ug/L	1	U	0.10	0.050	0.029		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Phenanthrene	0.036	ug/L	1	J	0.10	0.050	0.029		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
Pyrene	ND	ug/L	1	U	0.10	0.050	0.024		SW8270CSIM	02/11/2022 19:06/jph	SV5975.I_220211A : 9	163621
AGGREGATE ORGANICS												
Organic Carbon, Total (TOC) - TOC Range is 1.5 to 1.7	1.6	mg/L	1		0.50	0.50	0.17		SW9060A	02/9/2022 19:56/eli-ca	SUB-C279590 : 7	C_R279590
METALS, DISSOLVED												
Lead	ND	mg/L	1	U	0.001	0.0001	0.00006		SW6020	02/14/2022 16:12/srh	ICPMS207-B_220214A : 47	R374695
METALS, TOTAL												
Lead	ND	mg/L	1	U	0.001	0.0001	0.00008		SW6020	02/14/2022 16:18/srh	ICPMS207-B_220214A : 48	163617
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Chloroform	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631

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Client Sample ID: ERH2514 (RHMW01R)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Toluene	ND	ug/L	1	UT	1.0	0.20	0.068		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Surr: Dibromofluoromethane	112.0	%REC	1		80-119				SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Surr: 1,2-Dichloroethane-d4	115.0	%REC	1		81-118				SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631

LABORATORY ANALYTICAL REPORT

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Lab ID: B22020415-006
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:40
Client Sample ID: ERH2514 (RHMW01R)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Surr: Toluene-d8	105.0	%REC	1		89-112				SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
Surr: p-Bromofluorobenzene	105.0	%REC	1		85-114				SW8260B	02/9/2022 08:50/msc	VOA5975C.I_220209A : 6	R374631
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0049	0.0025		SW8011	02/11/2022 16:53/clt	GECD.I_220211A : 15	163636
Surr: 1,1,1,2-Tetrachloroethane	97.0	%REC	1		70-130				SW8011	02/11/2022 16:53/clt	GECD.I_220211A : 15	163636
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	UT	20	8.7	2.3		SW8015C	02/9/2022 23:37/jp	PE 1_220209A : 20	R374604
Total Purgeable Hydrocarbons	31	ug/L	1	T	20	10	3.6		SW8015C	02/9/2022 23:37/jp	PE 1_220209A : 20	R374604
Surr: Trifluorotoluene	82.0	%REC	1		70-130				SW8015C	02/9/2022 23:37/jp	PE 1_220209A : 20	R374604
- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.												
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.												
PETROLEUM HYDROCARBONS-SEMI-VOLATILE												
Diesel Range Organics (C10 to C24)	0.30	mg/L	1		0.30	0.15	0.038		SW8015C	02/9/2022 21:35/amn	GCFID-HP5-B_220209A : 11	163616
Diesel Range Organics (SGT-C10 to C24)	0.034	mg/L	1	J	0.30	0.12	0.027		SW8015C	02/11/2022 00:42/amn	GCFID-HP5-B_220209B : 13	163616
Oil Range Hydrocarbons (C24 to C40)	0.19	mg/L	1	J	0.30	0.15	0.085		SW8015C	02/9/2022 21:35/amn	GCFID-HP5-B_220209A : 11	163616
Oil Range Hydrocarbons (SGT-C24 to C40)	ND	mg/L	1	U	0.30	0.15	0.085		SW8015C	02/11/2022 00:42/amn	GCFID-HP5-B_220209B : 13	163616
Total Extractable Hydrocarbons	0.61	mg/L	1		0.30	0.15	0.073		SW8015C	02/9/2022 21:35/amn	GCFID-HP5-B_220209A : 11	163616
Total Extractable Hydrocarbons (SGT)	0.046	mg/L	1	J	0.30	0.12	0.035		SW8015C	02/11/2022 00:42/amn	GCFID-HP5-B_220209B : 13	163616
Surr: o-Terphenyl	91.0	%REC	1		56-125				SW8015C	02/9/2022 21:35/amn	GCFID-HP5-B_220209A : 11	163616
Surr: o-Terphenyl (SGT)	74.0	%REC	1		56-125				SW8015C	02/11/2022 00:42/amn	GCFID-HP5-B_220209B : 13	163616
Surr: n-Triacontane	97.0	%REC	1		50-150				SW8015C	02/9/2022 21:35/amn	GCFID-HP5-B_220209A : 11	163616
Surr: n-Triacontane (SGT)	80.0	%REC	1		50-150				SW8015C	02/11/2022 00:42/amn	GCFID-HP5-B_220209B : 13	163616
- Note: Total Extractable Hydrocarbons are defined as the total hydrocarbon responses regardless of elution time.												
ORGANIC CHARACTERISTICS												
Methane	0.38	mg/L	78		0.16	0.090	0.055		SW8015M	02/9/2022 11:14/jdw	FID-HEADSPACE_220209A : 8	R374500
SEMI-VOLATILE ORGANIC COMPOUNDS												
1,2,4-Trichlorobenzene	ND	ug/L	1	U	10	5.0	1.9		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
1,2-Dichlorobenzene	ND	ug/L	1	U	10	5.0	2.0		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
1,3-Dichlorobenzene	ND	ug/L	1	U	10	5.0	2.1		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
1,4-Dichlorobenzene	ND	ug/L	1	U	10	5.0	2.0		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
2,4,5-Trichlorophenol	ND	ug/L	1	U	10	5.0	2.2		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
2,4,6-Trichlorophenol	ND	ug/L	1	U	10	5.0	2.6		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
2,4-Dichlorophenol	ND	ug/L	1	U	10	5.0	1.7		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
2,4-Dimethylphenol	ND	ug/L	1	U	10	5.0	1.7		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
2,4-Dinitrophenol	ND	ug/L	1	U	10	9.9	4.2		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
2,4-Dinitrotoluene	ND	ug/L	1	U	10	5.0	3.0		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621

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Lab ID: B22020415-006
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Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
SEMI-VOLATILE ORGANIC COMPOUNDS												
2,6-Dinitrotoluene	ND	ug/L	1	U	10	5.0	3.2		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
2-Chloronaphthalene	ND	ug/L	1	U	10	5.0	2.1		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
2-Chlorophenol	ND	ug/L	1	U	10	5.0	2.5		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
2-Nitrophenol	ND	ug/L	1	U	10	5.0	2.3		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
3,3´-Dichlorobenzidine	ND	ug/L	1	U	10	5.0	2.1		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
4,6-Dinitro-2-methylphenol	ND	ug/L	1	U	10	9.9	2.3		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
4-Bromophenyl phenyl ether	ND	ug/L	1	U	10	5.0	1.7		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
4-Chloro-3-methylphenol	ND	ug/L	1	U	10	5.0	1.4		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
4-Chlorophenol	ND	ug/L	1	U	10	5.0	2.6		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
4-Chlorophenyl phenyl ether	ND	ug/L	1	U	10	5.0	2.0		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
4-Nitrophenol	ND	ug/L	1	U	10	9.9	2.5		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Azobenzene	ND	ug/L	1	U	10	5.0	1.1		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
bis(-2-chloroethoxy)Methane	ND	ug/L	1	U	10	5.0	1.3		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
bis(-2-chloroethyl)Ether	ND	ug/L	1	U	10	5.0	2.5		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
bis(2-chloroisopropyl)Ether	ND	ug/L	1	U	10	5.0	1.5		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
bis(2-ethylhexyl)Phthalate	3.2	ug/L	1	J	10	5.0	1.9		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Butylbenzylphthalate	ND	ug/L	1	U	10	5.0	1.6		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Di-n-butyl phthalate	ND	ug/L	1	U	10	5.0	0.92		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Di-n-octyl phthalate	ND	ug/L	1	U	10	5.0	1.3		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Diethyl phthalate	ND	ug/L	1	U	10	5.0	2.2		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Dimethyl phthalate	ND	ug/L	1	U	10	5.0	1.7		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Hexachlorobenzene	ND	ug/L	1	U	10	5.0	1.3		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Hexachlorobutadiene	ND	ug/L	1	U	10	5.0	2.3		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Hexachlorocyclopentadiene	ND	ug/L	1	U	10	5.0	2.9		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Hexachloroethane	ND	ug/L	1	U	10	5.0	1.8		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Isophorone	ND	ug/L	1	U	10	5.0	1.7		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
m+p-Cresols	ND	ug/L	1	U	10	5.0	1.8		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
n-Nitroso-di-n-propylamine	ND	ug/L	1	U	10	5.0	1.5		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
n-Nitrosodimethylamine	ND	ug/L	1	U	10	5.0	1.5		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
n-Nitrosodiphenylamine	ND	ug/L	1	U	10	5.0	1.1		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Nitrobenzene	ND	ug/L	1	U	10	5.0	2.3		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
o-Cresol	ND	ug/L	1	U	10	5.0	1.8		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Pentachlorophenol	ND	ug/L	1	U	10	9.9	4.2		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Phenol	ND	ug/L	1	U	10	5.0	1.4		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Pyridine	ND	ug/L	1	U	10	5.0	3.2		SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Surr: 2,4,6-Tribromophenol	71.0	%REC	1		43-140				SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Surr: 2-Fluorobiphenyl	69.0	%REC	1		44-119				SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Surr: 2-Fluorophenol	24.0	%REC	1		19-119				SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Surr: Nitrobenzene-d5	62.0	%REC	1		44-120				SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-006
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:40
Client Sample ID: ERH2514 (RHMW01R)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
SEMI-VOLATILE ORGANIC COMPOUNDS												
Surr: Phenol-d5	28.0	%REC	1		10-65				SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621
Surr: Terphenyl-d14	102.0	%REC	1		50-134				SW8270C	02/19/2022 17:42/dsm	SV5973N.I_220218A : 21	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-007
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:40
Client Sample ID: ERH2513 (Trip Blanks)-14694
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Chloroform	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Toluene	0.089	ug/L	1	J	1.0	0.20	0.068		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-007
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:40
Client Sample ID: ERH2513 (Trip Blanks)-14694
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Surr: Dibromofluoromethane	110.0	%REC	1		80-119				SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Surr: 1,2-Dichloroethane-d4	114.0	%REC	1		81-118				SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Surr: Toluene-d8	106.0	%REC	1		89-112				SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631
Surr: p-Bromofluorobenzene	105.0	%REC	1		85-114				SW8260B	02/9/2022 12:55/msc	VOA5975C.I_220209A : 14	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-008
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:40
Client Sample ID: ERH2513 (Trip Blanks)-14733
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	4.3	ug/L	1	J	20	8.7	2.3		SW8015C	02/9/2022 13:20/jp	PE 1_220209A : 8	R374604
Total Purgeable Hydrocarbons	9.1	ug/L	1	J	20	10	3.6		SW8015C	02/9/2022 13:20/jp	PE 1_220209A : 8	R374604
Surr: Trifluorotoluene	85.0	%REC	1		70-130				SW8015C	02/9/2022 13:20/jp	PE 1_220209A : 8	R374604

- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-009
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:40
Client Sample ID: ERH2513 (Trip Blanks)-14733
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0049	0.0025		SW8011	02/11/2022 17:13/clt	GECD.I_220211A : 16	163636
Surr: 1,1,1,2-Tetrachloroethane	103.0	%REC	1		70-130				SW8011	02/11/2022 17:13/clt	GECD.I_220211A : 16	163636

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-010
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:40
Client Sample ID: ERH2513 (Trip Blanks)-14709
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
ORGANIC CHARACTERISTICS												
Methane	ND	mg/L	1	U	0.0020	0.0012	0.00070		SW8015M	02/9/2022 11:22/jdw	FID-HEADSPACE_220209A : 9	R374500

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2507 (OWDFMW07A)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Lab ID: B22020415-011
Collection Date: 02/02/2022 18:15
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
LOW LEVEL PAH BY 8270C SIM												
1-Methylnaphthalene	ND	ug/L	1	U	0.10	0.048	0.020		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
2-Methylnaphthalene	ND	ug/L	1	U	0.10	0.048	0.017		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Acenaphthene	ND	ug/L	1	U	0.10	0.048	0.030		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Acenaphthylene	ND	ug/L	1	U	0.10	0.048	0.024		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Anthracene	ND	ug/L	1	U	0.10	0.048	0.027		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Benzo(a)anthracene	ND	ug/L	1	U	0.10	0.048	0.026		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Benzo(a)pyrene	ND	ug/L	1	U	0.10	0.048	0.033		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Benzo(b)fluoranthene	ND	ug/L	1	U	0.10	0.048	0.022		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Benzo(g,h,i)perylene	ND	ug/L	1	U	0.10	0.048	0.025		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Benzo(k)fluoranthene	ND	ug/L	1	U	0.10	0.048	0.028		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Chrysene	ND	ug/L	1	U	0.10	0.048	0.044		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Dibenzo(a,h)anthracene	ND	ug/L	1	U	0.10	0.048	0.035		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Fluoranthene	ND	ug/L	1	U	0.10	0.048	0.022		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Fluorene	ND	ug/L	1	U	0.10	0.048	0.021		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Indeno(1,2,3-cd)pyrene	ND	ug/L	1	U	0.10	0.048	0.047		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Naphthalene	ND	ug/L	1	U	0.10	0.048	0.028		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Phenanthrene	ND	ug/L	1	U	0.10	0.048	0.028		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
Pyrene	ND	ug/L	1	U	0.10	0.048	0.023		SW8270CSIM	02/11/2022 20:11/jph	SV5975.I_220211A : 11	163621
AGGREGATE ORGANICS												
Organic Carbon, Total (TOC) - TOC Range is 0.3 to 0.3	0.29	mg/L	1	J	0.50	0.50	0.17		SW9060A	02/9/2022 20:38/eli-ca	SUB-C279590 : 8	C_R279590
METALS, DISSOLVED												
Lead	ND	mg/L	1	U	0.001	0.0001	0.00006		SW6020	02/14/2022 16:24/srh	ICPMS207-B_220214A : 49	R374695
METALS, TOTAL												
Lead	ND	mg/L	1	U	0.001	0.0001	0.00008		SW6020	02/14/2022 16:31/srh	ICPMS207-B_220214A : 50	163617
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Chloroform	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2507 (OWDFMW07A)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Lab ID: B22020415-011
Collection Date: 02/02/2022 18:15
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Toluene	ND	ug/L	1	UT	1.0	0.20	0.068		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Surr: Dibromofluoromethane	110.0	%REC	1		80-119				SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Surr: 1,2-Dichloroethane-d4	115.0	%REC	1		81-118				SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-011
Collection Date: 02/02/2022 18:15
Date Received: 02/08/2022
Report Date: 03/04/2022

Client: AECOM - Honolulu
Client Sample ID: ERH2507 (OWDFMW07A)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Surr: Toluene-d8	105.0	%REC	1		89-112				SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
Surr: p-Bromofluorobenzene	105.0	%REC	1		85-114				SW8260B	02/9/2022 09:17/msc	VOA5975C.I_220209A : 7	R374631
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0049	0.0025		SW8011	02/11/2022 17:33/clt	GECD.I_220211A : 17	163636
Surr: 1,1,1,2-Tetrachloroethane	95.0	%REC	1		70-130				SW8011	02/11/2022 17:33/clt	GECD.I_220211A : 17	163636
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	U	20	8.7	2.3		SW8015C	02/10/2022 00:45/jp	PE 1_220209A : 21	R374604
Total Purgeable Hydrocarbons	ND	ug/L	1	U	20	10	3.6		SW8015C	02/10/2022 00:45/jp	PE 1_220209A : 21	R374604
Surr: Trifluorotoluene	83.0	%REC	1		70-130				SW8015C	02/10/2022 00:45/jp	PE 1_220209A : 21	R374604
- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.												
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.												
PETROLEUM HYDROCARBONS-SEMI-VOLATILE												
Diesel Range Organics (C10 to C24)	ND	mg/L	1	U	0.30	0.14	0.037		SW8015C	02/9/2022 19:27/amn	GCFID-HP5-B_220209A : 8	163616
Oil Range Hydrocarbons (C24 to C40)	ND	mg/L	1	U	0.30	0.14	0.084		SW8015C	02/9/2022 19:27/amn	GCFID-HP5-B_220209A : 8	163616
Total Extractable Hydrocarbons	ND	mg/L	1	U	0.30	0.14	0.071		SW8015C	02/9/2022 19:27/amn	GCFID-HP5-B_220209A : 8	163616
Surr: o-Terphenyl	96.0	%REC	1		56-125				SW8015C	02/9/2022 19:27/amn	GCFID-HP5-B_220209A : 8	163616
Surr: n-Triacontane	101.0	%REC	1		50-150				SW8015C	02/9/2022 19:27/amn	GCFID-HP5-B_220209A : 8	163616
- Note: Total Extractable Hydrocarbons are defined as the total hydrocarbon responses regardless of elution time.												
- Since there were no detectable hydrocarbons, Silica Gel Treatment (SGT) results are equivalent to non-SGT results.												
ORGANIC CHARACTERISTICS												
Methane	ND	mg/L	1	U	0.0020	0.0012	0.00070		SW8015M	02/9/2022 11:29/jdw	FID-HEADSPACE_220209A : 10	R374500
SEMI-VOLATILE ORGANIC COMPOUNDS												
1,2,4-Trichlorobenzene	ND	ug/L	1	U	10	4.8	1.8		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
1,2-Dichlorobenzene	ND	ug/L	1	U	10	4.8	1.9		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
1,3-Dichlorobenzene	ND	ug/L	1	U	10	4.8	2.0		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
1,4-Dichlorobenzene	ND	ug/L	1	U	10	4.8	1.9		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
2,4,5-Trichlorophenol	ND	ug/L	1	U	10	4.8	2.1		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
2,4,6-Trichlorophenol	ND	ug/L	1	U	10	4.8	2.5		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
2,4-Dichlorophenol	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
2,4-Dimethylphenol	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
2,4-Dinitrophenol	ND	ug/L	1	U	10	9.5	4.1		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
2,4-Dinitrotoluene	ND	ug/L	1	U	10	4.8	2.9		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
2,6-Dinitrotoluene	ND	ug/L	1	U	10	4.8	3.0		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
2-Chloronaphthalene	ND	ug/L	1	U	10	4.8	2.0		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
2-Chlorophenol	ND	ug/L	1	U	10	4.8	2.4		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
2-Nitrophenol	ND	ug/L	1	U	10	4.8	2.2		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
3,3´-Dichlorobenzidine	ND	ug/L	1	U	10	4.8	2.0		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
4,6-Dinitro-2-methylphenol	ND	ug/L	1	U	10	9.5	2.2		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-011
Client: AECOM - Honolulu
Collection Date: 02/02/2022 18:15
Client Sample ID: ERH2507 (OWDFMW07A)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
SEMI-VOLATILE ORGANIC COMPOUNDS												
4-Bromophenyl phenyl ether	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
4-Chloro-3-methylphenol	ND	ug/L	1	U	10	4.8	1.4		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
4-Chlorophenol	ND	ug/L	1	U	10	4.8	2.5		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
4-Chlorophenyl phenyl ether	ND	ug/L	1	U	10	4.8	1.9		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
4-Nitrophenol	ND	ug/L	1	U	10	9.5	2.4		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Azobenzene	ND	ug/L	1	U	10	4.8	1.0		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
bis(-2-chloroethoxy)Methane	ND	ug/L	1	U	10	4.8	1.3		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
bis(-2-chloroethyl)Ether	ND	ug/L	1	U	10	4.8	2.4		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
bis(2-chloroisopropyl)Ether	ND	ug/L	1	U	10	4.8	1.4		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
bis(2-ethylhexyl)Phthalate	ND	ug/L	1	U	10	4.8	1.8		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Butylbenzylphthalate	ND	ug/L	1	U	10	4.8	1.5		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Di-n-butyl phthalate	ND	ug/L	1	U	10	4.8	0.89		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Di-n-octyl phthalate	ND	ug/L	1	U	10	4.8	1.3		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Diethyl phthalate	ND	ug/L	1	U	10	4.8	2.1		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Dimethyl phthalate	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Hexachlorobenzene	ND	ug/L	1	U	10	4.8	1.3		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Hexachlorobutadiene	ND	ug/L	1	U	10	4.8	2.2		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Hexachlorocyclopentadiene	ND	ug/L	1	U	10	4.8	2.8		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Hexachloroethane	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Isophorone	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
m+p-Cresols	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
n-Nitroso-di-n-propylamine	ND	ug/L	1	U	10	4.8	1.5		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
n-Nitrosodimethylamine	ND	ug/L	1	U	10	4.8	1.5		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
n-Nitrosodiphenylamine	ND	ug/L	1	U	10	4.8	1.1		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Nitrobenzene	ND	ug/L	1	U	10	4.8	2.2		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
o-Cresol	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Pentachlorophenol	ND	ug/L	1	U	10	9.5	4.0		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Phenol	ND	ug/L	1	U	10	4.8	1.4		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Pyridine	ND	ug/L	1	U	10	4.8	3.1		SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Surr: 2,4,6-Tribromophenol	74.0	%REC	1		43-140				SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Surr: 2-Fluorobiphenyl	59.0	%REC	1		44-119				SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Surr: 2-Fluorophenol	31.0	%REC	1		19-119				SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Surr: Nitrobenzene-d5	60.0	%REC	1		44-120				SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Surr: Phenol-d5	29.0	%REC	1		10-65				SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621
Surr: Terphenyl-d14	100.0	%REC	1		50-134				SW8270C	02/19/2022 18:15/dsm	SV5973N.I_220218A : 22	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-012
Collection Date: 02/02/2022 18:15
Date Received: 02/08/2022
Report Date: 03/04/2022

Client: AECOM - Honolulu
Client Sample ID: ERH2506 (Trip Blank)-14733
Project: CV18F0126, 60571032.02.46.01
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Chloroform	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Toluene	0.19	ug/L	1	J	1.0	0.20	0.068		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-012
Client: AECOM - Honolulu
Collection Date: 02/02/2022 18:15
Client Sample ID: ERH2506 (Trip Blank)-14733
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Surr: Dibromofluoromethane	110.0	%REC	1		80-119				SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Surr: 1,2-Dichloroethane-d4	113.0	%REC	1		81-118				SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Surr: Toluene-d8	106.0	%REC	1		89-112				SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631
Surr: p-Bromofluorobenzene	107.0	%REC	1		85-114				SW8260B	02/9/2022 13:23/msc	VOA5975C.I_220209A : 15	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-013
Client: AECOM - Honolulu
Collection Date: 02/02/2022 18:15
Client Sample ID: ERH2506 (Trip Blank)-14694
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	U	20	8.7	2.3		SW8015C	02/9/2022 13:54/jp	PE 1_220209A : 9	R374604
Total Purgeable Hydrocarbons	ND	ug/L	1	U	20	10	3.6		SW8015C	02/9/2022 13:54/jp	PE 1_220209A : 9	R374604
Surr: Trifluorotoluene	86.0	%REC	1		70-130				SW8015C	02/9/2022 13:54/jp	PE 1_220209A : 9	R374604

- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-014
Client: AECOM - Honolulu
Collection Date: 02/02/2022 18:15
Client Sample ID: ERH2506 (Trip Blank)-14694
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0049	0.0025		SW8011	02/11/2022 17:53/clt	GECD.I_220211A : 18	163636
Surr: 1,1,1,2-Tetrachloroethane	94.0	%REC	1		70-130				SW8011	02/11/2022 17:53/clt	GECD.I_220211A : 18	163636

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-015
Client: AECOM - Honolulu
Collection Date: 02/02/2022 18:15
Client Sample ID: ERH2506 (Trip Blank)-14709
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
ORGANIC CHARACTERISTICS												
Methane	ND	mg/L	1	U	0.0020	0.0012	0.00070		SW8015M	02/9/2022 11:35/jdw	FID-HEADSPACE_220209A : 11	R374500

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2510 (OWDFMW08A)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Lab ID: B22020415-016
Collection Date: 02/02/2022 15:05
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
LOW LEVEL PAH BY 8270C SIM												
1-Methylnaphthalene	ND	ug/L	1	U	0.10	0.048	0.020		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
2-Methylnaphthalene	ND	ug/L	1	U	0.10	0.048	0.017		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Acenaphthene	ND	ug/L	1	U	0.10	0.048	0.030		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Acenaphthylene	ND	ug/L	1	U	0.10	0.048	0.024		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Anthracene	ND	ug/L	1	U	0.10	0.048	0.027		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Benzo(a)anthracene	0.035	ug/L	1	J	0.10	0.048	0.026		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Benzo(a)pyrene	ND	ug/L	1	U	0.10	0.048	0.033		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Benzo(b)fluoranthene	ND	ug/L	1	U	0.10	0.048	0.022		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Benzo(g,h,i)perylene	ND	ug/L	1	U	0.10	0.048	0.025		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Benzo(k)fluoranthene	ND	ug/L	1	U	0.10	0.048	0.028		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Chrysene	ND	ug/L	1	U	0.10	0.048	0.044		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Dibenzo(a,h)anthracene	ND	ug/L	1	U	0.10	0.048	0.035		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Fluoranthene	0.15	ug/L	1		0.10	0.048	0.022		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Fluorene	ND	ug/L	1	U	0.10	0.048	0.021		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Indeno(1,2,3-cd)pyrene	ND	ug/L	1	U	0.10	0.048	0.047		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Naphthalene	ND	ug/L	1	U	0.10	0.048	0.028		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Phenanthrene	ND	ug/L	1	U	0.10	0.048	0.028		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
Pyrene	0.14	ug/L	1		0.10	0.048	0.023		SW8270CSIM	02/11/2022 20:44/jph	SV5975.I_220211A : 12	163621
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Chloroform	0.19	ug/L	1	J	1.0	0.20	0.079		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-016
Client: AECOM - Honolulu
Collection Date: 02/02/2022 15:05
Client Sample ID: ERH2510 (OWDFMW08A)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Toluene	ND	ug/L	1	U	1.0	0.20	0.068		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Surr: Dibromofluoromethane	113.0	%REC	1		80-119				SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Surr: 1,2-Dichloroethane-d4	117.0	%REC	1		81-118				SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Surr: Toluene-d8	106.0	%REC	1		89-112				SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
Surr: p-Bromofluorobenzene	107.0	%REC	1		85-114				SW8260B	02/9/2022 09:44/msc	VOA5975C.I_220209A : 8	R374631
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	U	20	8.7	2.3		SW8015C	02/10/2022 01:54/jp	PE 1_220209A : 22	R374604
Total Purgeable Hydrocarbons	ND	ug/L	1	U	20	10	3.6		SW8015C	02/10/2022 01:54/jp	PE 1_220209A : 22	R374604
Surr: Trifluorotoluene	81.0	%REC	1		70-130				SW8015C	02/10/2022 01:54/jp	PE 1_220209A : 22	R374604

- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-016
Collection Date: 02/02/2022 15:05
Date Received: 02/08/2022
Report Date: 03/04/2022

Client: AECOM - Honolulu
Client Sample ID: ERH2510 (OWDFMW08A)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
PETROLEUM HYDROCARBONS-SEMI-VOLATILE												
Diesel Range Organics (C10 to C24)	0.076	mg/L	1	J	0.30	0.14	0.037		SW8015C	02/9/2022 20:09/amn	GCFID-HP5-B_220209A : 9	163616
Diesel Range Organics (SGT-C10 to C24)	ND	mg/L	1	U	0.30	0.11	0.026		SW8015C	02/10/2022 19:41/amn	GCFID-HP5-B_220209B : 8	163616
Oil Range Hydrocarbons (C24 to C40)	0.17	mg/L	1	J	0.30	0.14	0.083		SW8015C	02/9/2022 20:09/amn	GCFID-HP5-B_220209A : 9	163616
Oil Range Hydrocarbons (SGT-C24 to C40)	ND	mg/L	1	U	0.30	0.14	0.083		SW8015C	02/10/2022 19:41/amn	GCFID-HP5-B_220209B : 8	163616
Total Extractable Hydrocarbons	0.28	mg/L	1	J	0.30	0.14	0.071		SW8015C	02/9/2022 20:09/amn	GCFID-HP5-B_220209A : 9	163616
Total Extractable Hydrocarbons (SGT)	ND	mg/L	1	U	0.30	0.11	0.034		SW8015C	02/10/2022 19:41/amn	GCFID-HP5-B_220209B : 8	163616
Surr: o-Terphenyl	94.0	%REC	1		56-125				SW8015C	02/9/2022 20:09/amn	GCFID-HP5-B_220209A : 9	163616
Surr: o-Terphenyl (SGT)	89.0	%REC	1		56-125				SW8015C	02/10/2022 19:41/amn	GCFID-HP5-B_220209B : 8	163616
Surr: n-Triacontane	101.0	%REC	1		50-150				SW8015C	02/9/2022 20:09/amn	GCFID-HP5-B_220209A : 9	163616
Surr: n-Triacontane (SGT)	97.0	%REC	1		50-150				SW8015C	02/10/2022 19:41/amn	GCFID-HP5-B_220209B : 8	163616
- Note: Total Extractable Hydrocarbons are defined as the total hydrocarbon responses regardless of elution time.												
SEMI-VOLATILE ORGANIC COMPOUNDS												
1,2,4-Trichlorobenzene	ND	ug/L	1	U	10	4.8	1.8		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
1,2-Dichlorobenzene	ND	ug/L	1	U	10	4.8	1.9		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
1,3-Dichlorobenzene	ND	ug/L	1	U	10	4.8	2.0		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
1,4-Dichlorobenzene	ND	ug/L	1	U	10	4.8	1.9		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
2,4,5-Trichlorophenol	ND	ug/L	1	U	10	4.8	2.1		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
2,4,6-Trichlorophenol	ND	ug/L	1	U	10	4.8	2.5		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
2,4-Dichlorophenol	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
2,4-Dimethylphenol	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
2,4-Dinitrophenol	ND	ug/L	1	U	10	9.5	4.1		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
2,4-Dinitrotoluene	ND	ug/L	1	U	10	4.8	2.9		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
2,6-Dinitrotoluene	ND	ug/L	1	U	10	4.8	3.0		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
2-Chloronaphthalene	ND	ug/L	1	U	10	4.8	2.0		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
2-Chlorophenol	ND	ug/L	1	U	10	4.8	2.4		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
2-Nitrophenol	ND	ug/L	1	U	10	4.8	2.2		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
3,3´-Dichlorobenzidine	ND	ug/L	1	U	10	4.8	2.0		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
4,6-Dinitro-2-methylphenol	ND	ug/L	1	U	10	9.5	2.2		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
4-Bromophenyl phenyl ether	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
4-Chloro-3-methylphenol	ND	ug/L	1	U	10	4.8	1.4		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
4-Chlorophenol	ND	ug/L	1	U	10	4.8	2.5		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
4-Chlorophenyl phenyl ether	ND	ug/L	1	U	10	4.8	1.9		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
4-Nitrophenol	ND	ug/L	1	U	10	9.5	2.4		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Azobenzene	ND	ug/L	1	U	10	4.8	1.0		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
bis(-2-chloroethoxy)Methane	ND	ug/L	1	U	10	4.8	1.3		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
bis(-2-chloroethyl)Ether	ND	ug/L	1	U	10	4.8	2.4		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
bis(2-chloroisopropyl)Ether	ND	ug/L	1	U	10	4.8	1.4		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
bis(2-ethylhexyl)Phthalate	ND	ug/L	1	U	10	4.8	1.8		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-016
Client: AECOM - Honolulu
Collection Date: 02/02/2022 15:05
Client Sample ID: ERH2510 (OWDFMW08A)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
SEMI-VOLATILE ORGANIC COMPOUNDS												
Butylbenzylphthalate	ND	ug/L	1	U	10	4.8	1.5		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Di-n-butyl phthalate	ND	ug/L	1	U	10	4.8	0.89		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Di-n-octyl phthalate	ND	ug/L	1	U	10	4.8	1.3		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Diethyl phthalate	ND	ug/L	1	U	10	4.8	2.1		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Dimethyl phthalate	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Hexachlorobenzene	ND	ug/L	1	U	10	4.8	1.3		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Hexachlorobutadiene	ND	ug/L	1	U	10	4.8	2.2		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Hexachlorocyclopentadiene	ND	ug/L	1	U	10	4.8	2.8		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Hexachloroethane	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Isophorone	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
m+p-Cresols	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
n-Nitroso-di-n-propylamine	ND	ug/L	1	U	10	4.8	1.5		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
n-Nitrosodimethylamine	ND	ug/L	1	U	10	4.8	1.5		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
n-Nitrosodiphenylamine	ND	ug/L	1	U	10	4.8	1.1		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Nitrobenzene	ND	ug/L	1	U	10	4.8	2.2		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
o-Cresol	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Pentachlorophenol	ND	ug/L	1	U	10	9.5	4.0		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Phenol	ND	ug/L	1	U	10	4.8	1.4		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Pyridine	ND	ug/L	1	U	10	4.8	3.1		SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Surr: 2,4,6-Tribromophenol	81.0	%REC	1		43-140				SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Surr: 2-Fluorobiphenyl	62.0	%REC	1		44-119				SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Surr: 2-Fluorophenol	26.0	%REC	1		19-119				SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Surr: Nitrobenzene-d5	56.0	%REC	1		44-120				SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Surr: Phenol-d5	26.0	%REC	1		10-65				SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621
Surr: Terphenyl-d14	104.0	%REC	1		50-134				SW8270C	02/19/2022 18:47/dsm	SV5973N.I_220218A : 23	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2509 (OWDFMW08A)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Lab ID: B22020415-017
Collection Date: 02/02/2022 15:05
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
LOW LEVEL PAH BY 8270C SIM												
1-Methylnaphthalene	0.085	ug/L	1	J	0.10	0.048	0.020		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
2-Methylnaphthalene	0.099	ug/L	1	J	0.10	0.048	0.017		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Acenaphthene	0.11	ug/L	1		0.10	0.048	0.030		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Acenaphthylene	0.15	ug/L	1		0.10	0.048	0.024		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Anthracene	ND	ug/L	1	U	0.10	0.048	0.027		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Benzo(a)anthracene	ND	ug/L	1	U	0.10	0.048	0.026		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Benzo(a)pyrene	ND	ug/L	1	U	0.10	0.048	0.033		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Benzo(b)fluoranthene	ND	ug/L	1	U	0.10	0.048	0.022		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Benzo(g,h,i)perylene	ND	ug/L	1	U	0.10	0.048	0.025		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Benzo(k)fluoranthene	ND	ug/L	1	U	0.10	0.048	0.028		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Chrysene	ND	ug/L	1	U	0.10	0.048	0.044		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Dibenzo(a,h)anthracene	ND	ug/L	1	U	0.10	0.048	0.035		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Fluoranthene	0.15	ug/L	1		0.10	0.048	0.022		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Fluorene	0.069	ug/L	1	J	0.10	0.048	0.021		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Indeno(1,2,3-cd)pyrene	ND	ug/L	1	U	0.10	0.048	0.047		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Naphthalene	0.069	ug/L	1	J	0.10	0.048	0.028		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Phenanthrene	ND	ug/L	1	U	0.10	0.048	0.028		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
Pyrene	0.12	ug/L	1		0.10	0.048	0.023		SW8270CSIM	02/11/2022 21:16/jph	SV5975.I_220211A : 13	163621
AGGREGATE ORGANICS												
Organic Carbon, Total (TOC) - TOC Range is 0.4 to 0.4	0.42	mg/L	1	J	0.50	0.50	0.17		SW9060A	02/9/2022 21:19/eli-ca	SUB-C279590 : 9	C_R279590
METALS, DISSOLVED												
Lead	ND	mg/L	1	U	0.001	0.0001	0.00006		SW6020	02/14/2022 16:37/srh	ICPMS207-B_220214A : 51	R374695
METALS, TOTAL												
Lead	ND	mg/L	1	U	0.001	0.0001	0.00008		SW6020	02/14/2022 16:43/srh	ICPMS207-B_220214A : 52	163617
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Chloroform	0.19	ug/L	1	J	1.0	0.20	0.079		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-017
Collection Date: 02/02/2022 15:05
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Client: AECOM - Honolulu
Client Sample ID: ERH2509 (OWDFMW08A)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Toluene	ND	ug/L	1	U	1.0	0.20	0.068		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Surr: Dibromofluoromethane	111.0	%REC	1		80-119				SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Surr: 1,2-Dichloroethane-d4	114.0	%REC	1		81-118				SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631

LABORATORY ANALYTICAL REPORT

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Lab ID: B22020415-017
Collection Date: 02/02/2022 15:05
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Client: AECOM - Honolulu
Client Sample ID: ERH2509 (OWDFMW08A)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Surr: Toluene-d8	105.0	%REC	1		89-112				SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
Surr: p-Bromofluorobenzene	106.0	%REC	1		85-114				SW8260B	02/9/2022 10:12/msc	VOA5975C.I_220209A : 9	R374631
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0049	0.0025		SW8011	02/11/2022 18:13/clt	GECD.I_220211A : 19	163636
Surr: 1,1,1,2-Tetrachloroethane	91.0	%REC	1		70-130				SW8011	02/11/2022 18:13/clt	GECD.I_220211A : 19	163636
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	U	20	8.7	2.3		SW8015C	02/10/2022 03:02/jp	PE 1_220209A : 23	R374604
Total Purgeable Hydrocarbons	ND	ug/L	1	U	20	10	3.6		SW8015C	02/10/2022 03:02/jp	PE 1_220209A : 23	R374604
Surr: Trifluorotoluene	83.0	%REC	1		70-130				SW8015C	02/10/2022 03:02/jp	PE 1_220209A : 23	R374604
- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.												
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.												
PETROLEUM HYDROCARBONS-SEMI-VOLATILE												
Diesel Range Organics (C10 to C24)	ND	mg/L	1	U	0.30	0.14	0.037		SW8015C	02/9/2022 20:53/amn	GCFID-HP5-B_220209A : 10	163616
Oil Range Hydrocarbons (C24 to C40)	ND	mg/L	1	U	0.30	0.14	0.083		SW8015C	02/9/2022 20:53/amn	GCFID-HP5-B_220209A : 10	163616
Total Extractable Hydrocarbons	ND	mg/L	1	U	0.30	0.14	0.071		SW8015C	02/9/2022 20:53/amn	GCFID-HP5-B_220209A : 10	163616
Surr: o-Terphenyl	96.0	%REC	1		56-125				SW8015C	02/9/2022 20:53/amn	GCFID-HP5-B_220209A : 10	163616
Surr: n-Triacontane	102.0	%REC	1		50-150				SW8015C	02/9/2022 20:53/amn	GCFID-HP5-B_220209A : 10	163616
- Note: Total Extractable Hydrocarbons are defined as the total hydrocarbon responses regardless of elution time.												
- Since there were no detectable hydrocarbons, Silica Gel Treatment (SGT) results are equivalent to non-SGT results.												
ORGANIC CHARACTERISTICS												
Methane	ND	mg/L	1	U	0.0020	0.0012	0.00070		SW8015M	02/9/2022 11:41/jdw	FID-HEADSPACE_220209A : 12	R374500
SEMI-VOLATILE ORGANIC COMPOUNDS												
1,2,4-Trichlorobenzene	ND	ug/L	1	U	10	4.8	1.8		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
1,2-Dichlorobenzene	ND	ug/L	1	U	10	4.8	1.9		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
1,3-Dichlorobenzene	ND	ug/L	1	U	10	4.8	2.0		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
1,4-Dichlorobenzene	ND	ug/L	1	U	10	4.8	1.9		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
2,4,5-Trichlorophenol	ND	ug/L	1	U	10	4.8	2.1		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
2,4,6-Trichlorophenol	ND	ug/L	1	U	10	4.8	2.5		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
2,4-Dichlorophenol	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
2,4-Dimethylphenol	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
2,4-Dinitrophenol	ND	ug/L	1	U	10	9.5	4.1		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
2,4-Dinitrotoluene	ND	ug/L	1	U	10	4.8	2.9		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
2,6-Dinitrotoluene	ND	ug/L	1	U	10	4.8	3.0		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
2-Chloronaphthalene	ND	ug/L	1	U	10	4.8	2.0		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
2-Chlorophenol	ND	ug/L	1	U	10	4.8	2.4		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
2-Nitrophenol	ND	ug/L	1	U	10	4.8	2.2		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
3,3´-Dichlorobenzidine	ND	ug/L	1	U	10	4.8	2.0		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
4,6-Dinitro-2-methylphenol	ND	ug/L	1	U	10	9.5	2.2		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621

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Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
SEMI-VOLATILE ORGANIC COMPOUNDS												
4-Bromophenyl phenyl ether	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
4-Chloro-3-methylphenol	ND	ug/L	1	U	10	4.8	1.4		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
4-Chlorophenol	ND	ug/L	1	U	10	4.8	2.5		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
4-Chlorophenyl phenyl ether	ND	ug/L	1	U	10	4.8	1.9		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
4-Nitrophenol	ND	ug/L	1	U	10	9.5	2.4		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Azobenzene	ND	ug/L	1	U	10	4.8	1.0		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
bis(-2-chloroethoxy)Methane	ND	ug/L	1	U	10	4.8	1.3		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
bis(-2-chloroethyl)Ether	ND	ug/L	1	U	10	4.8	2.4		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
bis(2-chloroisopropyl)Ether	ND	ug/L	1	U	10	4.8	1.4		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
bis(2-ethylhexyl)Phthalate	ND	ug/L	1	U	10	4.8	1.8		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Butylbenzylphthalate	ND	ug/L	1	U	10	4.8	1.5		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Di-n-butyl phthalate	ND	ug/L	1	U	10	4.8	0.89		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Di-n-octyl phthalate	ND	ug/L	1	U	10	4.8	1.3		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Diethyl phthalate	ND	ug/L	1	U	10	4.8	2.1		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Dimethyl phthalate	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Hexachlorobenzene	ND	ug/L	1	U	10	4.8	1.3		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Hexachlorobutadiene	ND	ug/L	1	U	10	4.8	2.2		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Hexachlorocyclopentadiene	ND	ug/L	1	U	10	4.8	2.8		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Hexachloroethane	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Isophorone	ND	ug/L	1	U	10	4.8	1.6		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
m+p-Cresols	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
n-Nitroso-di-n-propylamine	ND	ug/L	1	U	10	4.8	1.5		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
n-Nitrosodimethylamine	ND	ug/L	1	U	10	4.8	1.5		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
n-Nitrosodiphenylamine	ND	ug/L	1	U	10	4.8	1.1		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Nitrobenzene	ND	ug/L	1	U	10	4.8	2.2		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
o-Cresol	ND	ug/L	1	U	10	4.8	1.7		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Pentachlorophenol	ND	ug/L	1	U	10	9.5	4.0		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Phenol	ND	ug/L	1	U	10	4.8	1.4		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Pyridine	ND	ug/L	1	U	10	4.8	3.1		SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Surr: 2,4,6-Tribromophenol	78.0	%REC	1		43-140				SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Surr: 2-Fluorobiphenyl	64.0	%REC	1		44-119				SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Surr: 2-Fluorophenol	29.0	%REC	1		19-119				SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Surr: Nitrobenzene-d5	79.0	%REC	1		44-120				SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Surr: Phenol-d5	34.0	%REC	1		10-65				SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621
Surr: Terphenyl-d14	94.0	%REC	1		50-134				SW8270C	02/19/2022 19:20/dsm	SV5973N.I_220218A : 24	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-018
Collection Date: 02/02/2022 15:05
Date Received: 02/08/2022
Report Date: 03/04/2022

Client: AECOM - Honolulu
Client Sample ID: ERH2508 (Trip Blank)-14733
Project: CV18F0126, 60571032.02.46.01
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Chloroform	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Toluene	ND	ug/L	1	U	1.0	0.20	0.068		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-018
Client: AECOM - Honolulu
Collection Date: 02/02/2022 15:05
Client Sample ID: ERH2508 (Trip Blank)-14733
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Surr: Dibromofluoromethane	112.0	%REC	1		80-119				SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Surr: 1,2-Dichloroethane-d4	114.0	%REC	1		81-118				SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Surr: Toluene-d8	106.0	%REC	1		89-112				SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631
Surr: p-Bromofluorobenzene	104.0	%REC	1		85-114				SW8260B	02/9/2022 13:50/msc	VOA5975C.I_220209A : 16	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-019
Client: AECOM - Honolulu
Collection Date: 02/02/2022 15:05
Client Sample ID: ERH2508 (Trip Blank)-14694
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	U	20	8.7	2.3		SW8015C	02/9/2022 14:28/jp	PE 1_220209A : 10	R374604
Total Purgeable Hydrocarbons	ND	ug/L	1	U	20	10	3.6		SW8015C	02/9/2022 14:28/jp	PE 1_220209A : 10	R374604
Surr: Trifluorotoluene	84.0	%REC	1		70-130				SW8015C	02/9/2022 14:28/jp	PE 1_220209A : 10	R374604

- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-020
Client: AECOM - Honolulu
Collection Date: 02/02/2022 15:05
Client Sample ID: ERH2508 (Trip Blank)-14694
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0050	0.0026		SW8011	02/11/2022 18:32/clt	GECD.I_220211A : 20	163636
Surr: 1,1,1,2-Tetrachloroethane	98.0	%REC	1		70-130				SW8011	02/11/2022 18:32/clt	GECD.I_220211A : 20	163636

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-021
Client: AECOM - Honolulu
Collection Date: 02/02/2022 15:05
Client Sample ID: ERH2508 (Trip Blank)-14709
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
ORGANIC CHARACTERISTICS												
Methane	ND	mg/L	1	U	0.0020	0.0012	0.00070		SW8015M	02/9/2022 11:49/jdw	FID-HEADSPACE_220209A : 13	R374500

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2512 (RHMW19)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Lab ID: B22020415-022
Collection Date: 02/02/2022 15:05
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
LOW LEVEL PAH BY 8270C SIM												
1-Methylnaphthalene	ND	ug/L	1	U	0.10	0.050	0.021		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
2-Methylnaphthalene	ND	ug/L	1	U	0.10	0.050	0.018		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Acenaphthene	ND	ug/L	1	U	0.10	0.050	0.032		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Acenaphthylene	ND	ug/L	1	U	0.10	0.050	0.025		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Anthracene	ND	ug/L	1	U	0.10	0.050	0.029		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Benzo(a)anthracene	ND	ug/L	1	U	0.10	0.050	0.027		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Benzo(a)pyrene	ND	ug/L	1	U	0.10	0.050	0.035		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Benzo(b)fluoranthene	ND	ug/L	1	U	0.10	0.050	0.023		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Benzo(g,h,i)perylene	ND	ug/L	1	U	0.10	0.050	0.027		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Benzo(k)fluoranthene	ND	ug/L	1	U	0.10	0.050	0.030		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Chrysene	ND	ug/L	1	U	0.10	0.050	0.046		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Dibenzo(a,h)anthracene	ND	ug/L	1	U	0.10	0.050	0.037		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Fluoranthene	ND	ug/L	1	U	0.10	0.050	0.024		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Fluorene	ND	ug/L	1	U	0.10	0.050	0.023		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Indeno(1,2,3-cd)pyrene	ND	ug/L	1	U	0.10	0.050	0.050		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Naphthalene	ND	ug/L	1	U	0.10	0.050	0.029		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Phenanthrene	ND	ug/L	1	U	0.10	0.050	0.030		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
Pyrene	ND	ug/L	1	U	0.10	0.050	0.024		SW8270CSIM	02/11/2022 21:48/jph	SV5975.I_220211A : 14	163621
AGGREGATE ORGANICS												
Organic Carbon, Total (TOC) - TOC Range is 0.3 to 0.3	0.32	mg/L	1	J	0.50	0.50	0.17		SW9060A	02/9/2022 22:01/eli-ca	SUB-C279590 : 10	C_R279590
METALS, DISSOLVED												
Lead	ND	mg/L	1	U	0.001	0.0001	0.00006		SW6020	02/14/2022 16:49/srh	ICPMS207-B_220214A : 53	R374695
METALS, TOTAL												
Lead	ND	mg/L	1	U	0.001	0.0001	0.00008		SW6020	02/14/2022 16:56/srh	ICPMS207-B_220214A : 54	163617
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Chloroform	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-022
Collection Date: 02/02/2022 15:05
Date Received: 02/08/2022
Report Date: 03/04/2022

Client: AECOM - Honolulu
Client Sample ID: ERH2512 (RHMW19)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Toluene	ND	ug/L	1	UT	1.0	0.20	0.068		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Surr: Dibromofluoromethane	113.0	%REC	1		80-119				SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Surr: 1,2-Dichloroethane-d4	116.0	%REC	1		81-118				SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-022
Client: AECOM - Honolulu
Collection Date: 02/02/2022 15:05
Client Sample ID: ERH2512 (RHMW19)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Surr: Toluene-d8	106.0	%REC	1		89-112				SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
Surr: p-Bromofluorobenzene	108.0	%REC	1		85-114				SW8260B	02/9/2022 10:39/msc	VOA5975C.I_220209A : 10	R374631
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0050	0.0026		SW8011	02/11/2022 20:51/clt	GECD.I_220211A : 25	163636
Surr: 1,1,1,2-Tetrachloroethane	93.0	%REC	1		70-130				SW8011	02/11/2022 20:51/clt	GECD.I_220211A : 25	163636
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	U	20	8.7	2.3		SW8015C	02/10/2022 04:11/jp	PE 1_220209A : 24	R374604
Total Purgeable Hydrocarbons	ND	ug/L	1	U	20	10	3.6		SW8015C	02/10/2022 04:11/jp	PE 1_220209A : 24	R374604
Surr: Trifluorotoluene	82.0	%REC	1		70-130				SW8015C	02/10/2022 04:11/jp	PE 1_220209A : 24	R374604
- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.												
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.												
PETROLEUM HYDROCARBONS-SEMI-VOLATILE												
Diesel Range Organics (C10 to C24)	ND	mg/L	1	U	0.30	0.14	0.037		SW8015C	02/10/2022 14:40/amn	GCFID-HP5-B_220209A : 21	163616
Diesel Range Organics (SGT-C10 to C24)	ND	mg/L	1	U	0.30	0.11	0.026		SW8015C	02/10/2022 21:06/amn	GCFID-HP5-B_220209B : 10	163616
Oil Range Hydrocarbons (C24 to C40)	ND	mg/L	1	U	0.30	0.14	0.083		SW8015C	02/10/2022 14:40/amn	GCFID-HP5-B_220209A : 21	163616
Oil Range Hydrocarbons (SGT-C24 to C40)	ND	mg/L	1	U	0.30	0.14	0.083		SW8015C	02/10/2022 21:06/amn	GCFID-HP5-B_220209B : 10	163616
Total Extractable Hydrocarbons	0.073	mg/L	1	J	0.30	0.14	0.071		SW8015C	02/10/2022 14:40/amn	GCFID-HP5-B_220209A : 21	163616
Total Extractable Hydrocarbons (SGT)	ND	mg/L	1	U	0.30	0.11	0.034		SW8015C	02/10/2022 21:06/amn	GCFID-HP5-B_220209B : 10	163616
Surr: o-Terphenyl	88.0	%REC	1		56-125				SW8015C	02/10/2022 14:40/amn	GCFID-HP5-B_220209A : 21	163616
Surr: o-Terphenyl (SGT)	64.0	%REC	1		56-125				SW8015C	02/10/2022 21:06/amn	GCFID-HP5-B_220209B : 10	163616
Surr: n-Triacontane	101.0	%REC	1		50-150				SW8015C	02/10/2022 14:40/amn	GCFID-HP5-B_220209A : 21	163616
Surr: n-Triacontane (SGT)	76.0	%REC	1		50-150				SW8015C	02/10/2022 21:06/amn	GCFID-HP5-B_220209B : 10	163616
- Note: Total Extractable Hydrocarbons are defined as the total hydrocarbon responses regardless of elution time.												
ORGANIC CHARACTERISTICS												
Methane	ND	mg/L	1	U	0.0020	0.0012	0.00070		SW8015M	02/9/2022 12:03/jdw	FID-HEADSPACE_220209A : 14	R374500
SEMI-VOLATILE ORGANIC COMPOUNDS												
1,2,4-Trichlorobenzene	ND	ug/L	1	U	10	5.0	1.9		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
1,2-Dichlorobenzene	ND	ug/L	1	U	10	5.0	2.0		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
1,3-Dichlorobenzene	ND	ug/L	1	U	10	5.0	2.2		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
1,4-Dichlorobenzene	ND	ug/L	1	U	10	5.0	2.0		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
2,4,5-Trichlorophenol	ND	ug/L	1	U	10	5.0	2.3		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
2,4,6-Trichlorophenol	ND	ug/L	1	U	10	5.0	2.7		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
2,4-Dichlorophenol	ND	ug/L	1	U	10	5.0	1.7		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
2,4-Dimethylphenol	ND	ug/L	1	U	10	5.0	1.7		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
2,4-Dinitrophenol	ND	ug/L	1	U	10	10	4.3		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
2,4-Dinitrotoluene	ND	ug/L	1	U	10	5.0	3.1		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2512 (RHMW19)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Lab ID: B22020415-022
Collection Date: 02/02/2022 15:05
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
SEMI-VOLATILE ORGANIC COMPOUNDS												
2,6-Dinitrotoluene	ND	ug/L	1	U	10	5.0	3.2		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
2-Chloronaphthalene	ND	ug/L	1	U	10	5.0	2.2		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
2-Chlorophenol	ND	ug/L	1	U	10	5.0	2.5		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
2-Nitrophenol	ND	ug/L	1	U	10	5.0	2.4		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
3,3´-Dichlorobenzidine	ND	ug/L	1	U	10	5.0	2.1		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
4,6-Dinitro-2-methylphenol	ND	ug/L	1	U	10	10	2.4		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
4-Bromophenyl phenyl ether	ND	ug/L	1	U	10	5.0	1.8		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
4-Chloro-3-methylphenol	ND	ug/L	1	U	10	5.0	1.5		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
4-Chlorophenol	ND	ug/L	1	U	10	5.0	2.7		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
4-Chlorophenyl phenyl ether	ND	ug/L	1	U	10	5.0	2.1		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
4-Nitrophenol	ND	ug/L	1	U	10	10	2.5		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Azobenzene	ND	ug/L	1	U	10	5.0	1.1		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
bis(-2-chloroethoxy)Methane	ND	ug/L	1	U	10	5.0	1.4		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
bis(-2-chloroethyl)Ether	ND	ug/L	1	U	10	5.0	2.6		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
bis(2-chloroisopropyl)Ether	ND	ug/L	1	U	10	5.0	1.5		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
bis(2-ethylhexyl)Phthalate	3.6	ug/L	1	J	10	5.0	1.9		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Butylbenzylphthalate	ND	ug/L	1	U	10	5.0	1.6		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Di-n-butyl phthalate	ND	ug/L	1	U	10	5.0	0.94		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Di-n-octyl phthalate	ND	ug/L	1	U	10	5.0	1.4		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Diethyl phthalate	ND	ug/L	1	U	10	5.0	2.2		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Dimethyl phthalate	ND	ug/L	1	U	10	5.0	1.7		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Hexachlorobenzene	ND	ug/L	1	U	10	5.0	1.3		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Hexachlorobutadiene	ND	ug/L	1	U	10	5.0	2.3		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Hexachlorocyclopentadiene	ND	ug/L	1	U	10	5.0	3.0		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Hexachloroethane	ND	ug/L	1	U	10	5.0	1.8		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Isophorone	ND	ug/L	1	U	10	5.0	1.7		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
m+p-Cresols	ND	ug/L	1	U	10	5.0	1.8		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
n-Nitroso-di-n-propylamine	ND	ug/L	1	U	10	5.0	1.6		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
n-Nitrosodimethylamine	ND	ug/L	1	U	10	5.0	1.5		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
n-Nitrosodiphenylamine	ND	ug/L	1	U	10	5.0	1.2		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Nitrobenzene	ND	ug/L	1	U	10	5.0	2.3		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
o-Cresol	ND	ug/L	1	U	10	5.0	1.8		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Pentachlorophenol	ND	ug/L	1	U	10	10	4.3		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Phenol	ND	ug/L	1	U	10	5.0	1.5		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Pyridine	ND	ug/L	1	U	10	5.0	3.3		SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Surr: 2,4,6-Tribromophenol	86.0	%REC	1		43-140				SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Surr: 2-Fluorobiphenyl	77.0	%REC	1		44-119				SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Surr: 2-Fluorophenol	33.0	%REC	1		19-119				SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Surr: Nitrobenzene-d5	70.0	%REC	1		44-120				SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-022
Client: AECOM - Honolulu
Collection Date: 02/02/2022 15:05
Client Sample ID: ERH2512 (RHMW19)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
SEMI-VOLATILE ORGANIC COMPOUNDS												
Surr: Phenol-d5	30.0	%REC	1		10-65				SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621
Surr: Terphenyl-d14	111.0	%REC	1		50-134				SW8270C	02/19/2022 20:24/dsm	SV5973N.I_220218A : 26	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2511 (Trip Blank)-14653
Project: CV18F0126, 60571032.02.46.01
Matrix: Trip Blank

Lab ID: B22020415-023
Collection Date: 02/02/2022 15:05
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Chloroform	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Toluene	0.22	ug/L	1	J	1.0	0.20	0.068		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-023
Client: AECOM - Honolulu
Collection Date: 02/02/2022 15:05
Client Sample ID: ERH2511 (Trip Blank)-14653
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Surr: Dibromofluoromethane	113.0	%REC	1		80-119				SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Surr: 1,2-Dichloroethane-d4	115.0	%REC	1		81-118				SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Surr: Toluene-d8	103.0	%REC	1		89-112				SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631
Surr: p-Bromofluorobenzene	108.0	%REC	1		85-114				SW8260B	02/9/2022 14:17/msc	VOA5975C.I_220209A : 17	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-024
Client: AECOM - Honolulu
Collection Date: 02/02/2022 15:05
Client Sample ID: ERH2511 (Trip Blank)-14694
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	U	20	8.7	2.3		SW8015C	02/9/2022 15:37/jp	PE 1_220209A : 11	R374604
Total Purgeable Hydrocarbons	ND	ug/L	1	U	20	10	3.6		SW8015C	02/9/2022 15:37/jp	PE 1_220209A : 11	R374604
Surr: Trifluorotoluene	85.0	%REC	1		70-130				SW8015C	02/9/2022 15:37/jp	PE 1_220209A : 11	R374604

- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-025
Client: AECOM - Honolulu
Collection Date: 02/02/2022 15:05
Client Sample ID: ERH2511 (Trip Blank)-14694
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0050	0.0026		SW8011	02/11/2022 21:11/clt	GECD.I_220211A : 26	163636
Surr: 1,1,1,2-Tetrachloroethane	96.0	%REC	1		70-130				SW8011	02/11/2022 21:11/clt	GECD.I_220211A : 26	163636

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-026
Client: AECOM - Honolulu
Collection Date: 02/02/2022 15:05
Client Sample ID: ERH2511 (Trip Blank)-14663
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
ORGANIC CHARACTERISTICS												
Methane	ND	mg/L	1	U	0.0020	0.0012	0.00070		SW8015M	02/9/2022 12:11/jdw	FID-HEADSPACE_220209A : 15	R374500

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2516 (RHMW2254-01 Bailer)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Lab ID: B22020415-027
Collection Date: 02/03/2022 13:00
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
LOW LEVEL PAH BY 8270C SIM												
1-Methylnaphthalene	ND	ug/L	1	U	0.10	0.049	0.020		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
2-Methylnaphthalene	ND	ug/L	1	U	0.10	0.049	0.017		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Acenaphthene	ND	ug/L	1	U	0.10	0.049	0.031		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Acenaphthylene	ND	ug/L	1	U	0.10	0.049	0.024		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Anthracene	ND	ug/L	1	U	0.10	0.049	0.027		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Benzo(a)anthracene	ND	ug/L	1	U	0.10	0.049	0.026		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Benzo(a)pyrene	ND	ug/L	1	U	0.10	0.049	0.034		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Benzo(b)fluoranthene	ND	ug/L	1	U	0.10	0.049	0.022		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Benzo(g,h,i)perylene	ND	ug/L	1	U	0.10	0.049	0.026		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Benzo(k)fluoranthene	ND	ug/L	1	U	0.10	0.049	0.029		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Chrysene	ND	ug/L	1	U	0.10	0.049	0.044		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Dibenzo(a,h)anthracene	ND	ug/L	1	U	0.10	0.049	0.036		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Fluoranthene	ND	ug/L	1	U	0.10	0.049	0.023		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Fluorene	ND	ug/L	1	U	0.10	0.049	0.022		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Indeno(1,2,3-cd)pyrene	ND	ug/L	1	U	0.10	0.049	0.048		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Naphthalene	ND	ug/L	1	U	0.10	0.049	0.028		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Phenanthrene	ND	ug/L	1	U	0.10	0.049	0.029		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
Pyrene	ND	ug/L	1	U	0.10	0.049	0.023		SW8270CSIM	02/11/2022 22:21/jph	SV5975.I_220211A : 15	163621
AGGREGATE ORGANICS												
Organic Carbon, Total (TOC) - TOC Range is 0.4 to 0.4	0.40	mg/L	1	J	0.50	0.50	0.17		SW9060A	02/9/2022 22:41/eli-ca	SUB-C279590 : 11	C_R279590
METALS, DISSOLVED												
Lead	0.00008	mg/L	1	J	0.001	0.0001	0.00006		SW6020	02/14/2022 17:02/srh	ICPMS207-B_220214A : 55	R374695
METALS, TOTAL												
Lead	ND	mg/L	1	U	0.001	0.0001	0.00008		SW6020	02/14/2022 17:20/srh	ICPMS207-B_220214A : 58	163617
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Chloroform	0.096	ug/L	1	J	1.0	0.20	0.079		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2516 (RHMW2254-01 Bailer)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Lab ID: B22020415-027
Collection Date: 02/03/2022 13:00
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Toluene	ND	ug/L	1	U	1.0	0.20	0.068		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Surr: Dibromofluoromethane	109.0	%REC	1		80-119				SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Surr: 1,2-Dichloroethane-d4	113.0	%REC	1		81-118				SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-027
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:00
Client Sample ID: ERH2516 (RHMW2254-01 Bailer)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Surr: Toluene-d8	104.0	%REC	1		89-112				SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
Surr: p-Bromofluorobenzene	105.0	%REC	1		85-114				SW8260B	02/9/2022 11:06/msc	VOA5975C.I_220209A : 11	R374631
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0049	0.0025		SW8011	02/11/2022 21:31/clt	GECD.I_220211A : 27	163636
Surr: 1,1,1,2-Tetrachloroethane	97.0	%REC	1		70-130				SW8011	02/11/2022 21:31/clt	GECD.I_220211A : 27	163636
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	U	20	8.7	2.3		SW8015C	02/10/2022 05:19/jp	PE 1_220209A : 25	R374604
Total Purgeable Hydrocarbons	11	ug/L	1	J	20	10	3.6		SW8015C	02/10/2022 05:19/jp	PE 1_220209A : 25	R374604
Surr: Trifluorotoluene	80.0	%REC	1		70-130				SW8015C	02/10/2022 05:19/jp	PE 1_220209A : 25	R374604
- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.												
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.												
PETROLEUM HYDROCARBONS-SEMI-VOLATILE												
Diesel Range Organics (C10 to C24)	0.19	mg/L	1	J	0.30	0.14	0.037		SW8015C	02/10/2022 03:21/amn	GCFID-HP5-B_220209A : 14	163616
Diesel Range Organics (SGT-C10 to C24)	0.13	mg/L	1	J	0.30	0.11	0.027		SW8015C	02/10/2022 20:23/amn	GCFID-HP5-B_220209B : 9	163616
Oil Range Hydrocarbons (C24 to C40)	0.13	mg/L	1	J	0.30	0.14	0.084		SW8015C	02/10/2022 03:21/amn	GCFID-HP5-B_220209A : 14	163616
Oil Range Hydrocarbons (SGT-C24 to C40)	ND	mg/L	1	U	0.30	0.14	0.084		SW8015C	02/10/2022 20:23/amn	GCFID-HP5-B_220209B : 9	163616
Total Extractable Hydrocarbons	0.35	mg/L	1		0.30	0.14	0.071		SW8015C	02/10/2022 03:21/amn	GCFID-HP5-B_220209A : 14	163616
Total Extractable Hydrocarbons (SGT)	0.14	mg/L	1	J	0.30	0.11	0.034		SW8015C	02/10/2022 20:23/amn	GCFID-HP5-B_220209B : 9	163616
Surr: o-Terphenyl	91.0	%REC	1		56-125				SW8015C	02/10/2022 03:21/amn	GCFID-HP5-B_220209A : 14	163616
Surr: o-Terphenyl (SGT)	80.0	%REC	1		56-125				SW8015C	02/10/2022 20:23/amn	GCFID-HP5-B_220209B : 9	163616
Surr: n-Triacontane	101.0	%REC	1		50-150				SW8015C	02/10/2022 03:21/amn	GCFID-HP5-B_220209A : 14	163616
Surr: n-Triacontane (SGT)	93.0	%REC	1		50-150				SW8015C	02/10/2022 20:23/amn	GCFID-HP5-B_220209B : 9	163616
- Note: Total Extractable Hydrocarbons are defined as the total hydrocarbon responses regardless of elution time.												
ORGANIC CHARACTERISTICS												
Methane	ND	mg/L	1	U	0.0020	0.0012	0.00070		SW8015M	02/9/2022 12:17/jdw	FID-HEADSPACE_220209A : 16	R374500
SEMI-VOLATILE ORGANIC COMPOUNDS												
1,2,4-Trichlorobenzene	ND	ug/L	1	U	10	4.9	1.8		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
1,2-Dichlorobenzene	ND	ug/L	1	U	10	4.9	1.9		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
1,3-Dichlorobenzene	ND	ug/L	1	U	10	4.9	2.1		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
1,4-Dichlorobenzene	ND	ug/L	1	U	10	4.9	2.0		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
2,4,5-Trichlorophenol	ND	ug/L	1	U	10	4.9	2.2		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
2,4,6-Trichlorophenol	ND	ug/L	1	U	10	4.9	2.6		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
2,4-Dichlorophenol	ND	ug/L	1	U	10	4.9	1.6		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
2,4-Dimethylphenol	ND	ug/L	1	U	10	4.9	1.6		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
2,4-Dinitrophenol	ND	ug/L	1	U	10	9.7	4.1		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
2,4-Dinitrotoluene	ND	ug/L	1	U	10	4.9	3.0		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2516 (RHMW2254-01 Bailer)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Lab ID: B22020415-027
Collection Date: 02/03/2022 13:00
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
SEMI-VOLATILE ORGANIC COMPOUNDS												
2,6-Dinitrotoluene	ND	ug/L	1	U	10	4.9	3.1		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
2-Chloronaphthalene	ND	ug/L	1	U	10	4.9	2.1		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
2-Chlorophenol	ND	ug/L	1	U	10	4.9	2.4		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
2-Nitrophenol	ND	ug/L	1	U	10	4.9	2.3		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
3,3´-Dichlorobenzidine	ND	ug/L	1	U	10	4.9	2.0		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
4,6-Dinitro-2-methylphenol	ND	ug/L	1	U	10	9.7	2.3		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
4-Bromophenyl phenyl ether	ND	ug/L	1	U	10	4.9	1.7		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
4-Chloro-3-methylphenol	ND	ug/L	1	U	10	4.9	1.4		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
4-Chlorophenol	ND	ug/L	1	U	10	4.9	2.6		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
4-Chlorophenyl phenyl ether	ND	ug/L	1	U	10	4.9	2.0		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
4-Nitrophenol	ND	ug/L	1	U	10	9.7	2.4		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Azobenzene	ND	ug/L	1	U	10	4.9	1.1		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
bis(-2-chloroethoxy)Methane	ND	ug/L	1	U	10	4.9	1.3		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
bis(-2-chloroethyl)Ether	ND	ug/L	1	U	10	4.9	2.5		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
bis(2-chloroisopropyl)Ether	ND	ug/L	1	U	10	4.9	1.4		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
bis(2-ethylhexyl)Phthalate	ND	ug/L	1	U	10	4.9	1.9		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Butylbenzylphthalate	ND	ug/L	1	U	10	4.9	1.5		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Di-n-butyl phthalate	ND	ug/L	1	U	10	4.9	0.90		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Di-n-octyl phthalate	ND	ug/L	1	U	10	4.9	1.3		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Diethyl phthalate	ND	ug/L	1	U	10	4.9	2.1		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Dimethyl phthalate	ND	ug/L	1	U	10	4.9	1.7		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Hexachlorobenzene	ND	ug/L	1	U	10	4.9	1.3		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Hexachlorobutadiene	ND	ug/L	1	U	10	4.9	2.3		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Hexachlorocyclopentadiene	ND	ug/L	1	U	10	4.9	2.9		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Hexachloroethane	ND	ug/L	1	U	10	4.9	1.7		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Isophorone	ND	ug/L	1	U	10	4.9	1.6		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
m+p-Cresols	ND	ug/L	1	U	10	4.9	1.7		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
n-Nitroso-di-n-propylamine	ND	ug/L	1	U	10	4.9	1.5		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
n-Nitrosodimethylamine	ND	ug/L	1	U	10	4.9	1.5		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
n-Nitrosodiphenylamine	ND	ug/L	1	U	10	4.9	1.1		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Nitrobenzene	ND	ug/L	1	U	10	4.9	2.2		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
o-Cresol	ND	ug/L	1	U	10	4.9	1.8		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Pentachlorophenol	ND	ug/L	1	U	10	9.7	4.1		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Phenol	ND	ug/L	1	U	10	4.9	1.4		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Pyridine	ND	ug/L	1	U	10	4.9	3.1		SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Surr: 2,4,6-Tribromophenol	77.0	%REC	1		43-140				SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Surr: 2-Fluorobiphenyl	57.0	%REC	1		44-119				SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Surr: 2-Fluorophenol	24.0	%REC	1		19-119				SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Surr: Nitrobenzene-d5	59.0	%REC	1		44-120				SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-027
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:00
Client Sample ID: ERH2516 (RHMW2254-01 Bailer)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
SEMI-VOLATILE ORGANIC COMPOUNDS												
Surr: Phenol-d5	22.0	%REC	1		10-65				SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621
Surr: Terphenyl-d14	101.0	%REC	1		50-134				SW8270C	02/19/2022 22:54/dsm	SV5973N.I_220218B : 4	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Client Sample ID: ERH2515 (Trip Blanks)-14694
Project: CV18F0126, 60571032.02.46.01
Matrix: Trip Blank

Lab ID: B22020415-028
Collection Date: 02/03/2022 13:00
Date Received: 02/08/2022
Report Date: 03/04/2022

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Chloroform	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Toluene	ND	ug/L	1	U	1.0	0.20	0.068		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-028
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:00
Client Sample ID: ERH2515 (Trip Blanks)-14694
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Surr: Dibromofluoromethane	110.0	%REC	1		80-119				SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Surr: 1,2-Dichloroethane-d4	115.0	%REC	1		81-118				SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Surr: Toluene-d8	104.0	%REC	1		89-112				SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631
Surr: p-Bromofluorobenzene	106.0	%REC	1		85-114				SW8260B	02/9/2022 14:45/msc	VOA5975C.I_220209A : 18	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-029
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:00
Client Sample ID: ERH2515 (Trip Blanks)-14733
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	U	20	8.7	2.3		SW8015C	02/9/2022 16:45/jp	PE 1_220209A : 12	R374604
Total Purgeable Hydrocarbons	ND	ug/L	1	U	20	10	3.6		SW8015C	02/9/2022 16:45/jp	PE 1_220209A : 12	R374604
Surr: Trifluorotoluene	84.0	%REC	1		70-130				SW8015C	02/9/2022 16:45/jp	PE 1_220209A : 12	R374604

- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-030
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:00
Client Sample ID: ERH2515 (Trip Blanks)-14733
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0049	0.0025		SW8011	02/11/2022 21:50/clt	GECD.I_220211A : 28	163636
Surr: 1,1,1,2-Tetrachloroethane	94.0	%REC	1		70-130				SW8011	02/11/2022 21:50/clt	GECD.I_220211A : 28	163636

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-031
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:00
Client Sample ID: ERH2515 (Trip Blanks)-14709
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
ORGANIC CHARACTERISTICS												
Methane	ND	mg/L	1	U	0.0020	0.0012	0.00070		SW8015M	02/9/2022 12:25/jdw	FID-HEADSPACE_220209A : 17	R374500

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-032
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:55
Client Sample ID: ERH2519 (RHMW2254-01 Low Flow)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
LOW LEVEL PAH BY 8270C SIM												
1-Methylnaphthalene	ND	ug/L	1	U	0.10	0.049	0.020		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
2-Methylnaphthalene	ND	ug/L	1	U	0.10	0.049	0.017		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Acenaphthene	ND	ug/L	1	U	0.10	0.049	0.031		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Acenaphthylene	ND	ug/L	1	U	0.10	0.049	0.024		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Anthracene	ND	ug/L	1	U	0.10	0.049	0.028		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Benzo(a)anthracene	ND	ug/L	1	U	0.10	0.049	0.027		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Benzo(a)pyrene	ND	ug/L	1	U	0.10	0.049	0.034		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Benzo(b)fluoranthene	ND	ug/L	1	U	0.10	0.049	0.022		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Benzo(g,h,i)perylene	ND	ug/L	1	U	0.10	0.049	0.026		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Benzo(k)fluoranthene	ND	ug/L	1	U	0.10	0.049	0.029		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Chrysene	ND	ug/L	1	U	0.10	0.049	0.045		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Dibenzo(a,h)anthracene	ND	ug/L	1	U	0.10	0.049	0.036		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Fluoranthene	ND	ug/L	1	U	0.10	0.049	0.023		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Fluorene	ND	ug/L	1	U	0.10	0.049	0.022		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Indeno(1,2,3-cd)pyrene	ND	ug/L	1	U	0.10	0.049	0.048		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Naphthalene	ND	ug/L	1	U	0.10	0.049	0.028		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Phenanthrene	ND	ug/L	1	U	0.10	0.049	0.029		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
Pyrene	ND	ug/L	1	U	0.10	0.049	0.023		SW8270CSIM	02/11/2022 22:53/jph	SV5975.I_220211A : 16	163621
AGGREGATE ORGANICS												
Organic Carbon, Total (TOC) - TOC Range is 0.2 to 0.2	0.24	mg/L	1	J	0.50	0.50	0.17		SW9060A	02/9/2022 23:23/eli-ca	SUB-C279590 : 12	C_R279590
METALS, DISSOLVED												
Lead	ND	mg/L	1	U	0.001	0.0001	0.00006		SW6020	02/14/2022 17:27/srh	ICPMS207-B_220214A : 59	R374695
METALS, TOTAL												
Lead	ND	mg/L	1	U	0.001	0.0001	0.00008		SW6020	02/14/2022 17:33/srh	ICPMS207-B_220214A : 60	163617
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Chloroform	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-032
Collection Date: 02/03/2022 13:55
Date Received: 02/08/2022
Report Date: 03/04/2022

Client: AECOM - Honolulu
Client Sample ID: ERH2519 (RHMW2254-01 Low Flow)
Project: CV18F0126, 60571032.02.46.01
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Toluene	ND	ug/L	1	U	1.0	0.20	0.068		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Surr: Dibromofluoromethane	112.0	%REC	1		80-119				SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Surr: 1,2-Dichloroethane-d4	117.0	%REC	1		81-118				SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-032
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:55
Client Sample ID: ERH2519 (RHMW2254-01 Low Flow)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Surr: Toluene-d8	104.0	%REC	1		89-112				SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
Surr: p-Bromofluorobenzene	107.0	%REC	1		85-114				SW8260B	02/9/2022 11:33/msc	VOA5975C.I_220209A : 12	R374631
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0049	0.0025		SW8011	02/11/2022 22:10/clt	GECD.I_220211A : 29	163636
Surr: 1,1,1,2-Tetrachloroethane	99.0	%REC	1		70-130				SW8011	02/11/2022 22:10/clt	GECD.I_220211A : 29	163636
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	U	20	8.7	2.3		SW8015C	02/9/2022 11:36/jp	PE 1_220209A : 6	R374604
Total Purgeable Hydrocarbons	ND	ug/L	1	U	20	10	3.6		SW8015C	02/9/2022 11:36/jp	PE 1_220209A : 6	R374604
Surr: Trifluorotoluene	84.0	%REC	1		70-130				SW8015C	02/9/2022 11:36/jp	PE 1_220209A : 6	R374604
- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.												
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.												
PETROLEUM HYDROCARBONS-SEMI-VOLATILE												
Diesel Range Organics (C10 to C24)	ND	mg/L	1	U	0.30	0.14	0.037		SW8015C	02/10/2022 13:57/amn	GCFID-HP5-B_220209A : 20	163616
Oil Range Hydrocarbons (C24 to C40)	ND	mg/L	1	U	0.30	0.14	0.083		SW8015C	02/10/2022 13:57/amn	GCFID-HP5-B_220209A : 20	163616
Total Extractable Hydrocarbons	ND	mg/L	1	U	0.30	0.14	0.071		SW8015C	02/10/2022 13:57/amn	GCFID-HP5-B_220209A : 20	163616
Surr: o-Terphenyl	92.0	%REC	1		56-125				SW8015C	02/10/2022 13:57/amn	GCFID-HP5-B_220209A : 20	163616
Surr: n-Triacontane	98.0	%REC	1		50-150				SW8015C	02/10/2022 13:57/amn	GCFID-HP5-B_220209A : 20	163616
- Note: Total Extractable Hydrocarbons are defined as the total hydrocarbon responses regardless of elution time.												
- Since there were no detectable hydrocarbons, Silica Gel Treatment (SGT) results are equivalent to non-SGT results.												
ORGANIC CHARACTERISTICS												
Methane	ND	mg/L	1	U	0.0020	0.0012	0.00070		SW8015M	02/9/2022 12:32/jdw	FID-HEADSPACE_220209A : 18	R374500
SEMI-VOLATILE ORGANIC COMPOUNDS												
1,2,4-Trichlorobenzene	ND	ug/L	1	U	10	4.9	1.9		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
1,2-Dichlorobenzene	ND	ug/L	1	U	10	4.9	1.9		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
1,3-Dichlorobenzene	ND	ug/L	1	U	10	4.9	2.1		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
1,4-Dichlorobenzene	ND	ug/L	1	U	10	4.9	2.0		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
2,4,5-Trichlorophenol	ND	ug/L	1	U	10	4.9	2.2		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
2,4,6-Trichlorophenol	ND	ug/L	1	U	10	4.9	2.6		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
2,4-Dichlorophenol	ND	ug/L	1	U	10	4.9	1.7		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
2,4-Dimethylphenol	ND	ug/L	1	U	10	4.9	1.7		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
2,4-Dinitrophenol	ND	ug/L	1	U	10	9.8	4.2		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
2,4-Dinitrotoluene	ND	ug/L	1	U	10	4.9	3.0		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
2,6-Dinitrotoluene	ND	ug/L	1	U	10	4.9	3.1		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
2-Chloronaphthalene	ND	ug/L	1	U	10	4.9	2.1		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
2-Chlorophenol	ND	ug/L	1	U	10	4.9	2.4		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
2-Nitrophenol	ND	ug/L	1	U	10	4.9	2.3		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
3,3´-Dichlorobenzidine	ND	ug/L	1	U	10	4.9	2.1		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
4,6-Dinitro-2-methylphenol	ND	ug/L	1	U	10	9.8	2.3		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-032
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:55
Client Sample ID: ERH2519 (RHMW2254-01 Low Flow)
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Ground Water

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
SEMI-VOLATILE ORGANIC COMPOUNDS												
4-Bromophenyl phenyl ether	ND	ug/L	1	U	10	4.9	1.7		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
4-Chloro-3-methylphenol	ND	ug/L	1	U	10	4.9	1.4		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
4-Chlorophenol	ND	ug/L	1	U	10	4.9	2.6		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
4-Chlorophenyl phenyl ether	ND	ug/L	1	U	10	4.9	2.0		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
4-Nitrophenol	ND	ug/L	1	U	10	9.8	2.4		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Azobenzene	ND	ug/L	1	U	10	4.9	1.1		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
bis(-2-chloroethoxy)Methane	ND	ug/L	1	U	10	4.9	1.3		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
bis(-2-chloroethyl)Ether	ND	ug/L	1	U	10	4.9	2.5		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
bis(2-chloroisopropyl)Ether	ND	ug/L	1	U	10	4.9	1.5		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
bis(2-ethylhexyl)Phthalate	ND	ug/L	1	U	10	4.9	1.9		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Butylbenzylphthalate	ND	ug/L	1	U	10	4.9	1.5		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Di-n-butyl phthalate	ND	ug/L	1	U	10	4.9	0.91		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Di-n-octyl phthalate	ND	ug/L	1	U	10	4.9	1.3		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Diethyl phthalate	ND	ug/L	1	U	10	4.9	2.1		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Dimethyl phthalate	ND	ug/L	1	U	10	4.9	1.7		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Hexachlorobenzene	ND	ug/L	1	U	10	4.9	1.3		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Hexachlorobutadiene	ND	ug/L	1	U	10	4.9	2.3		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Hexachlorocyclopentadiene	ND	ug/L	1	U	10	4.9	2.9		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Hexachloroethane	ND	ug/L	1	U	10	4.9	1.8		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Isophorone	ND	ug/L	1	U	10	4.9	1.6		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
m+p-Cresols	ND	ug/L	1	U	10	4.9	1.7		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
n-Nitroso-di-n-propylamine	ND	ug/L	1	U	10	4.9	1.5		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
n-Nitrosodimethylamine	ND	ug/L	1	U	10	4.9	1.5		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
n-Nitrosodiphenylamine	ND	ug/L	1	U	10	4.9	1.1		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Nitrobenzene	ND	ug/L	1	U	10	4.9	2.3		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
o-Cresol	ND	ug/L	1	U	10	4.9	1.8		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Pentachlorophenol	ND	ug/L	1	U	10	9.8	4.2		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Phenol	ND	ug/L	1	U	10	4.9	1.4		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Pyridine	ND	ug/L	1	U	10	4.9	3.2		SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Surr: 2,4,6-Tribromophenol	77.0	%REC	1		43-140				SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Surr: 2-Fluorobiphenyl	67.0	%REC	1		44-119				SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Surr: 2-Fluorophenol	27.0	%REC	1		19-119				SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Surr: Nitrobenzene-d5	57.0	%REC	1		44-120				SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Surr: Phenol-d5	24.0	%REC	1		10-65				SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621
Surr: Terphenyl-d14	97.0	%REC	1		50-134				SW8270C	02/19/2022 23:27/dsm	SV5973N.I_220218B : 5	163621

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-033
Collection Date: 02/03/2022 13:55
Date Received: 02/08/2022
Report Date: 03/04/2022

Client: AECOM - Honolulu
Client Sample ID: ERH2518 (Trip Blanks)-14733
Project: CV18F0126, 60571032.02.46.01
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
Benzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Bromobenzene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Bromochloromethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Bromodichloromethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Bromoform	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Carbon tetrachloride	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Chlorobenzene	ND	ug/L	1	U	1.0	0.20	0.091		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Chlorodibromomethane	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Chloroethane	ND	ug/L	1	U	1.0	0.50	0.17		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Chloroform	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Chloromethane	ND	ug/L	1	U	1.0	0.50	0.16		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,2-Dibromoethane	ND	ug/L	1	U	1.0	0.20	0.092		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
2-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.088		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
4-Chlorotoluene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Dibromomethane	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,2-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.075		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,3-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.080		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,4-Dichlorobenzene	ND	ug/L	1	U	1.0	0.20	0.086		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Dichlorodifluoromethane	ND	ug/L	1	U	1.0	0.50	0.18		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,1-Dichloroethane	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,2-Dichloroethane	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,1-Dichloroethene	ND	ug/L	1	U	1.0	0.50	0.14		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
cis-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
trans-1,2-Dichloroethene	ND	ug/L	1	U	1.0	0.25	0.12		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,2-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,3-Dichloropropane	ND	ug/L	1	U	1.0	0.20	0.079		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
2,2-Dichloropropane	ND	ug/L	1	U	1.0	0.50	0.19		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,1-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.083		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
cis-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.073		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
trans-1,3-Dichloropropene	ND	ug/L	1	U	1.0	0.20	0.085		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Ethylbenzene	ND	ug/L	1	U	1.0	0.20	0.084		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Methyl ethyl ketone	ND	ug/L	1	U	20	5.0	1.8		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Methyl tert-butyl ether (MTBE)	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Methylene chloride	ND	ug/L	1	U	1.0	0.50	0.34		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Styrene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,1,1,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.25	0.10		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,1,2,2-Tetrachloroethane	ND	ug/L	1	U	1.0	0.20	0.087		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Tetrachloroethene	ND	ug/L	1	U	1.0	0.20	0.067		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Toluene	ND	ug/L	1	U	1.0	0.20	0.068		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-033
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:55
Client Sample ID: ERH2518 (Trip Blanks)-14733
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOLATILE ORGANIC COMPOUNDS												
1,1,1-Trichloroethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,1,2-Trichloroethane	ND	ug/L	1	U	1.0	0.25	0.11		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Trichloroethene	ND	ug/L	1	U	1.0	0.20	0.099		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Trichlorofluoromethane	ND	ug/L	1	U	1.0	0.50	0.13		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
1,2,3-Trichloropropane	ND	ug/L	1	U	1.0	0.50	0.24		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Vinyl chloride	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
m+p-Xylenes	ND	ug/L	1	U	1.0	0.50	0.15		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
o-Xylene	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Xylenes, Total	ND	ug/L	1	U	1.0	0.20	0.060		SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Surr: Dibromofluoromethane	111.0	%REC	1		80-119				SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Surr: 1,2-Dichloroethane-d4	115.0	%REC	1		81-118				SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Surr: Toluene-d8	106.0	%REC	1		89-112				SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631
Surr: p-Bromofluorobenzene	107.0	%REC	1		85-114				SW8260B	02/9/2022 15:12/msc	VOA5975C.I_220209A : 19	R374631

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-034
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:55
Client Sample ID: ERH2518 (Trip Blanks)-14694
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
PETROLEUM HYDROCARBONS-VOLATILE												
C6 to C10	ND	ug/L	1	U	20	8.7	2.3		SW8015C	02/9/2022 11:02/jp	PE 1_220209A : 5	R374604
Total Purgeable Hydrocarbons	ND	ug/L	1	U	20	10	3.6		SW8015C	02/9/2022 11:02/jp	PE 1_220209A : 5	R374604
Surr: Trifluorotoluene	83.0	%REC	1		70-130				SW8015C	02/9/2022 11:02/jp	PE 1_220209A : 5	R374604

- Note 1: C6 to C10 is defined as all hydrocarbons eluting between 2-Methylpentane and 1,2,4-Trimethylbenzene.
- Note 2: Total Purgeable Hydrocarbons are defined as the total hydrocarbon response regardless of elution time.

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-035
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:55
Client Sample ID: ERH2518 (Trip Blanks)-14694
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
VOCS BY MICROEXTRACTION-ECD												
1,2-Dibromoethane	ND	ug/L	1	U	0.010	0.0050	0.0026		SW8011	02/11/2022 22:30/clt	GECD.I_220211A : 30	163636
Surr: 1,1,1,2-Tetrachloroethane	96.0	%REC	1		70-130				SW8011	02/11/2022 22:30/clt	GECD.I_220211A : 30	163636

LABORATORY ANALYTICAL REPORT

Prepared by Billings, MT Branch

Lab ID: B22020415-036
Client: AECOM - Honolulu
Collection Date: 02/03/2022 13:55
Client Sample ID: ERH2518 (Trip Blanks)-14709
Date Received: 02/08/2022
Project: CV18F0126, 60571032.02.46.01
Report Date: 03/04/2022
Matrix: Trip Blank

Analyses	Result	Units	DF	Qual	LOQ	LOD	DL	MCL	Method	Analysis Date / By	RunID : Run Order	BatchID
ORGANIC CHARACTERISTICS												
Methane	ND	mg/L	1	U	0.0020	0.0012	0.00070		SW8015M	02/9/2022 12:38/jdw	FID-HEADSPACE_220209A : 19	R374500

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5975.I_220211A: 4 **SampType:** Method Blank **Batch ID:** 163621
Method: SW8270CSIM **Analysis Date:** 02/11/2022 16:23 **Prep Date:** 02/09/2022 08:18
Lab ID: MB-163621 **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1-Methylnaphthalene	ND	0.10									
2-Methylnaphthalene	ND	0.10									
Acenaphthene	ND	0.10									
Acenaphthylene	ND	0.10									
Anthracene	ND	0.10									
Benzo(a)anthracene	ND	0.10									
Benzo(a)pyrene	ND	0.10									
Benzo(b)fluoranthene	ND	0.10									
Benzo(g,h,i)perylene	ND	0.10									
Benzo(k)fluoranthene	ND	0.10									
Chrysene	ND	0.10									
Dibenzo(a,h)anthracene	ND	0.10									
Fluoranthene	ND	0.10									
Fluorene	ND	0.10									
Indeno(1,2,3-cd)pyrene	ND	0.10									
Naphthalene	ND	0.10									
Phenanthrene	ND	0.10									
Pyrene	ND	0.10									

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C, B22020415-027C, B22020415-032C**

Run ID: Run Order: SV5975.I_220211A: 5 **SampType:** Laboratory Control Sample **Batch ID:** 163621
Method: SW8270CSIM **Analysis Date:** 02/11/2022 16:56 **Prep Date:** 02/09/2022 08:19
Lab ID: LLCS-163621 **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1-Methylnaphthalene	2.8	0.10	5.0		56.0	41	115				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5975.I_220211A: 5 **SampType:** Laboratory Control Sample **Batch ID:** 163621
Method: SW8270CSIM **Analysis Date:** 02/11/2022 16:56 **Prep Date:** 02/09/2022 08:19
Lab ID: LLCS-163621 **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
2-Methylnaphthalene	2.9	0.10	5.0		58.0	39	114				
Acenaphthene	3.7	0.10	5.0		73.0	48	114				
Acenaphthylene	3.4	0.10	5.0		68.0	35	121				
Anthracene	4.4	0.10	5.0		88.0	53	119				
Benzo(a)anthracene	4.6	0.10	5.0		92.0	59	120				
Benzo(a)pyrene	4.1	0.10	5.0		83.0	53	120				
Benzo(b)fluoranthene	4.4	0.10	5.0		88.0	53	126				
Benzo(g,h,i)perylene	4.6	0.10	5.0		92.0	44	128				
Benzo(k)fluoranthene	4.2	0.10	5.0		84.0	54	125				
Chrysene	4.4	0.10	5.0		87.0	57	120				
Dibenzo(a,h)anthracene	4.5	0.10	5.0		90.0	44	141				
Fluoranthene	4.5	0.10	5.0		91.0	58	120				
Fluorene	3.6	0.10	5.0		73.0	50	118				
Indeno(1,2,3-cd)pyrene	4.3	0.10	5.0		86.0	48	130				
Naphthalene	2.7	0.10	5.0		55.0	43	114				
Phenanthrene	4.1	0.10	5.0		83.0	53	115				
Pyrene	4.1	0.10	5.0		83.0	53	121				

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C, B22020415-027C, B22020415-032C**

Run ID: Run Order: SV5975.I_220211A: 6 **SampType:** Laboratory Control Sample Duplicate **Batch ID:** 163621
Method: SW8270CSIM **Analysis Date:** 02/11/2022 17:28 **Prep Date:** 02/09/2022 08:19
Lab ID: LLCSD-163621 **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1-Methylnaphthalene	2.7	0.10	5.0		54.0	41	115	2.8	4.3	40.0	
2-Methylnaphthalene	2.8	0.10	5.0		56.0	39	114	2.9	3.2	40.0	

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5975.I_220211A: 6 **SampType:** Laboratory Control Sample Duplicate **Batch ID:** 163621
Method: SW8270CSIM **Analysis Date:** 02/11/2022 17:28 **Prep Date:** 02/09/2022 08:19
Lab ID: LLCSD-163621 **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Acenaphthene	3.5	0.10	5.0		70.0	48	114	3.7	3.8	40.0	
Acenaphthylene	3.3	0.10	5.0		65.0	35	121	3.4	3.7	40.0	
Anthracene	4.3	0.10	5.0		86.0	53	119	4.4	2.1	40.0	
Benzo(a)anthracene	5.1	0.10	5.0		101.0	59	120	4.6	9.8	40.0	
Benzo(a)pyrene	4.4	0.10	5.0		88.0	53	120	4.1	6.1	40.0	
Benzo(b)fluoranthene	4.6	0.10	5.0		92.0	53	126	4.4	4.6	40.0	
Benzo(g,h,i)perylene	4.8	0.10	5.0		97.0	44	128	4.6	5.1	40.0	
Benzo(k)fluoranthene	4.3	0.10	5.0		86.0	54	125	4.2	2.1	40.0	
Chrysene	4.7	0.10	5.0		94.0	57	120	4.4	7.6	40.0	
Dibenzo(a,h)anthracene	4.6	0.10	5.0		93.0	44	141	4.5	3.2	40.0	
Fluoranthene	4.4	0.10	5.0		89.0	58	120	4.5	2.4	40.0	
Fluorene	3.5	0.10	5.0		71.0	50	118	3.6	3.0	40.0	
Indeno(1,2,3-cd)pyrene	4.6	0.10	5.0		92.0	48	130	4.3	5.9	40.0	
Naphthalene	2.6	0.10	5.0		52.0	43	114	2.7	4.5	40.0	
Phenanthrene	4.1	0.10	5.0		82.0	53	115	4.1	1.7	40.0	
Pyrene	4.5	0.10	5.0		89.0	53	121	4.1	7.2	40.0	

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C, B22020415-027C, B22020415-032C**

Run ID: Run Order: SV5975.I_220211A: 8 **SampType:** Sample Matrix Spike **Batch ID:** 163621
Method: SW8270CSIM **Analysis Date:** 02/11/2022 18:34 **Prep Date:** 02/09/2022 08:19
Lab ID: B22020415-001CLMS **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1-Methylnaphthalene	3.1	0.10	4.8	0.0	65.0	18	117				
2-Methylnaphthalene	3.7	0.10	4.8	0.0	77.0	17	118				
Acenaphthene	4.3	0.10	4.8	0.0	90.0	40	92				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5975.I_220211A: 8 **SampType:** Sample Matrix Spike **Batch ID:** 163621
Method: SW8270CSIM **Analysis Date:** 02/11/2022 18:34 **Prep Date:** 02/09/2022 08:19
Lab ID: B22020415-001CLMS **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Acenaphthylene	3.9	0.10	4.8	0.0	81.0	37	96				
Anthracene	4.3	0.10	4.8	0.0	89.0	46	108				
Benzo(a)anthracene	4.6	0.10	4.8	0.0	97.0	41	105				
Benzo(a)pyrene	4.1	0.10	4.8	0.0	86.0	42	110				
Benzo(b)fluoranthene	4.4	0.10	4.8	0.0	91.0	27	121				
Benzo(g,h,i)perylene	4.5	0.10	4.8	0.0	93.0	44	108				
Benzo(k)fluoranthene	4.2	0.10	4.8	0.0	87.0	44	111				
Chrysene	4.3	0.10	4.8	0.0	89.0	50	106				
Dibenzo(a,h)anthracene	4.5	0.10	4.8	0.0	93.0	47	111				
Fluoranthene	4.3	0.10	4.8	0.0	89.0	44	111				
Fluorene	4.1	0.10	4.8	0.0	85.0	42	99				
Indeno(1,2,3-cd)pyrene	4.3	0.10	4.8	0.0	90.0	33	112				
Naphthalene	3.2	0.10	4.8	0.0	67.0	22	108				
Phenanthrene	4.0	0.10	4.8	0.0	84.0	43	106				
Pyrene	4.3	0.10	4.8	0.0	89.0	41	106				

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C, B22020415-027C, B22020415-032C**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5975.I_220211A: 10 **SampType:** Sample Matrix Spike **Batch ID:** 163621
Method: SW8270CSIM **Analysis Date:** 02/11/2022 19:39 **Prep Date:** 02/09/2022 08:19
Lab ID: B22020415-006CLMS **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1-Methylnaphthalene	2.8	0.10	5.0	0.036	56.0	18	117				
2-Methylnaphthalene	3.1	0.10	5.0	0.036	63.0	17	118				
Acenaphthene	3.8	0.10	5.0	0.0	77.0	40	92				
Acenaphthylene	3.4	0.10	5.0	0.069	68.0	37	96				
Anthracene	4.0	0.10	5.0	0.032	80.0	46	108				
Benzo(a)anthracene	4.8	0.10	5.0	0.0	97.0	41	105				
Benzo(a)pyrene	3.9	0.10	5.0	0.0	79.0	42	110				
Benzo(b)fluoranthene	4.4	0.10	5.0	0.0	88.0	27	121				
Benzo(g,h,i)perylene	4.4	0.10	5.0	0.0	89.0	44	108				
Benzo(k)fluoranthene	4.1	0.10	5.0	0.0	83.0	44	111				
Chrysene	4.4	0.10	5.0	0.0	90.0	50	106				
Dibenzo(a,h)anthracene	4.5	0.10	5.0	0.0	91.0	47	111				
Fluoranthene	4.4	0.10	5.0	0.0	90.0	44	111				
Fluorene	3.8	0.10	5.0	0.073	75.0	42	99				
Indeno(1,2,3-cd)pyrene	4.2	0.10	5.0	0.0	85.0	33	112				
Naphthalene	2.7	0.10	5.0	0.0	55.0	22	108				
Phenanthrene	3.7	0.10	5.0	0.036	75.0	43	106				
Pyrene	4.4	0.10	5.0	0.0	88.0	41	106				

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C, B22020415-027C, B22020415-032C**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5975.I_220211A: 2 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374633
Method: SW8270CSIM **Analysis Date:** 02/11/2022 15:17 **Prep Date:**
Lab ID: 11-Feb-22_CCV_2 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1-Methylnaphthalene	1.9	0.10	2.0		96.0	80	120				
2-Methylnaphthalene	1.8	0.10	2.0		90.0	80	120				
Acenaphthene	1.9	0.10	2.0		96.0	80	120				
Acenaphthylene	2.0	0.10	2.0		102.0	80	120				
Anthracene	2.0	0.10	2.0		99.0	80	120				
Benzo(a)anthracene	2.2	0.10	2.0		110.0	80	120				
Benzo(a)pyrene	2.0	0.10	2.0		99.0	80	120				
Benzo(b)fluoranthene	2.0	0.10	2.0		100.0	80	120				
Benzo(g,h,i)perylene	2.0	0.10	2.0		102.0	80	120				
Benzo(k)fluoranthene	1.9	0.10	2.0		97.0	80	120				
Chrysene	2.0	0.10	2.0		101.0	80	120				
Dibenzo(a,h)anthracene	2.0	0.10	2.0		101.0	80	120				
Fluoranthene	2.0	0.10	2.0		99.0	80	120				
Fluorene	2.0	0.10	2.0		102.0	80	120				
Indeno(1,2,3-cd)pyrene	2.0	0.10	2.0		98.0	80	120				
Naphthalene	1.9	0.10	2.0		93.0	80	120				
Phenanthrene	1.9	0.10	2.0		96.0	80	120				
Pyrene	2.0	0.10	2.0		100.0	80	120				

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C, B22020415-027C, B22020415-032C**

Run ID: Run Order: SV5975.I_220211A: 20 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374633
Method: SW8270CSIM **Analysis Date:** 02/14/2022 11:04 **Prep Date:**
Lab ID: 11-Feb-22_CCV_20 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1-Methylnaphthalene	1.9	0.10	2.0		94.0	50	150				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5975.I_220211A: 20 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374633
Method: SW8270CSIM **Analysis Date:** 02/14/2022 11:04 **Prep Date:**
Lab ID: 11-Feb-22_CCV_20 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
2-Methylnaphthalene	1.9	0.10	2.0		94.0	50	150				
Acenaphthene	1.9	0.10	2.0		93.0	50	150				
Acenaphthylene	1.9	0.10	2.0		94.0	50	150				
Anthracene	2.0	0.10	2.0		102.0	50	150				
Benzo(a)anthracene	2.1	0.10	2.0		106.0	50	150				
Benzo(a)pyrene	1.9	0.10	2.0		93.0	50	150				
Benzo(b)fluoranthene	1.9	0.10	2.0		95.0	50	150				
Benzo(g,h,i)perylene	1.9	0.10	2.0		97.0	50	150				
Benzo(k)fluoranthene	1.8	0.10	2.0		91.0	50	150				
Chrysene	1.9	0.10	2.0		96.0	50	150				
Dibenzo(a,h)anthracene	2.0	0.10	2.0		99.0	50	150				
Fluoranthene	2.1	0.10	2.0		104.0	50	150				
Fluorene	2.1	0.10	2.0		103.0	50	150				
Indeno(1,2,3-cd)pyrene	2.0	0.10	2.0		98.0	50	150				
Naphthalene	1.8	0.10	2.0		90.0	50	150				
Phenanthrene	2.0	0.10	2.0		100.0	50	150				
Pyrene	2.1	0.10	2.0		106.0	50	150				

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C, B22020415-027C, B22020415-032C**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SUB-C279590: 2 **SampType:** Method Blank **Batch ID:** C_R279590
Method: SW9060A **Analysis Date:** 02/09/2022 16:29 **Prep Date:**
Lab ID: MBLK **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Organic Carbon, Total (TOC)	ND	0.20									

Associated Samples: **B22020415-001E, B22020415-006E, B22020415-011E, B22020415-017E, B22020415-022E, B22020415-027E, B22020415-032E**
- TOC Range is 0.0 to 0.1

Run ID: Run Order: SUB-C279590: 1 **SampType:** Laboratory Control Sample **Batch ID:** C_R279590
Method: SW9060A **Analysis Date:** 02/09/2022 15:49 **Prep Date:**
Lab ID: LCS **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Organic Carbon, Total (TOC)	5.0	0.50	5.0		100.0	91	111				

Associated Samples: **B22020415-001E, B22020415-006E, B22020415-011E, B22020415-017E, B22020415-022E, B22020415-027E, B22020415-032E**
- TOC Range is 4.9 to 5.1

Run ID: Run Order: SUB-C279590: 5 **SampType:** Sample Matrix Spike **Batch ID:** C_R279590
Method: SW9060A **Analysis Date:** 02/09/2022 18:30 **Prep Date:**
Lab ID: B22020415-001E **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Organic Carbon, Total (TOC)	5.5	0.50	5.0	0.68	96.0	91	111				

Associated Samples: **B22020415-001E, B22020415-006E, B22020415-011E, B22020415-017E, B22020415-022E, B22020415-027E, B22020415-032E**
- TOC Range is 5.4 to 5.5

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SUB-C279590: 6 **SampType:** Sample Matrix Spike Duplicate **Batch ID:** C_R279590
Method: SW9060A **Analysis Date:** 02/09/2022 19:13 **Prep Date:**
Lab ID: B22020415-001E **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Organic Carbon, Total (TOC)	5.5	0.50	5.0	0.68	96.0	91	111	5.5	0.1	10.0	

Associated Samples: **B22020415-001E, B22020415-006E, B22020415-011E, B22020415-017E, B22020415-022E, B22020415-027E, B22020415-032E**
- TOC Range is 5.4 to 5.5

Run ID: Run Order: SUB-C279590: 3 **SampType:** Continuing Calibration Verification Standard **Batch ID:** C_R279590
Method: SW9060A **Analysis Date:** 02/09/2022 17:08 **Prep Date:**
Lab ID: CCV **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Organic Carbon, Total (TOC)	4.8	0.50	5.0		96.0	90	110				

Associated Samples: **B22020415-001E, B22020415-006E, B22020415-011E, B22020415-017E, B22020415-022E, B22020415-027E, B22020415-032E**
- TOC Range is 4.8 to 4.8

Run ID: Run Order: SUB-C279590: 13 **SampType:** Continuing Calibration Verification Standard **Batch ID:** C_R279590
Method: SW9060A **Analysis Date:** 02/10/2022 00:03 **Prep Date:**
Lab ID: CCV **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Organic Carbon, Total (TOC)	4.8	0.50	5.0		96.0	90	110				

Associated Samples: **B22020415-001E, B22020415-006E, B22020415-011E, B22020415-017E, B22020415-022E, B22020415-027E, B22020415-032E**
- TOC Range is 4.8 to 4.8

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: ICPMS207-B_220214A: 24 **SampType:** Method Blank **Batch ID:** R374695
Method: SW6020 **Analysis Date:** 02/14/2022 13:48 **Prep Date:**
Lab ID: LRB **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	ND	0.0005									

Associated Samples: **B22020415-001A, B22020415-006A, B22020415-011A, B22020415-017A, B22020415-022A, B22020415-027A, B22020415-032A**

Run ID: Run Order: ICPMS207-B_220214A: 25 **SampType:** Laboratory Fortified Blank **Batch ID:** R374695
Method: SW6020 **Analysis Date:** 02/14/2022 13:55 **Prep Date:**
Lab ID: LFB **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	0.051	0.001	0.050		102.0	88	115				

Associated Samples: **B22020415-001A, B22020415-006A, B22020415-011A, B22020415-017A, B22020415-022A, B22020415-027A, B22020415-032A**

Run ID: Run Order: ICPMS207-B_220214A: 36 **SampType:** Sample Matrix Spike **Batch ID:** R374695
Method: SW6020 **Analysis Date:** 02/14/2022 15:03 **Prep Date:**
Lab ID: B22020415-001AMS **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	0.050	0.001	0.050	0	99.0	88	115				

Associated Samples: **B22020415-001A, B22020415-006A, B22020415-011A, B22020415-017A, B22020415-022A, B22020415-027A, B22020415-032A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: ICPMS207-B_220214A: 37 **SampType:** Sample Matrix Spike Duplicate **Batch ID:** R374695
Method: SW6020 **Analysis Date:** 02/14/2022 15:09 **Prep Date:**
Lab ID: B22020415-001AMSD **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	0.048	0.001	0.050	0	96.0	88	115	0.050	3.1	20.0	

Associated Samples: **B22020415-001A, B22020415-006A, B22020415-011A, B22020415-017A, B22020415-022A, B22020415-027A, B22020415-032A**

Run ID: Run Order: ICPMS207-B_220214A: 35 **SampType:** Serial Dilution **Batch ID:** R374695
Method: SW6020 **Analysis Date:** 02/14/2022 14:57 **Prep Date:**
Lab ID: B22020415-001ADIL **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	ND	0.001						0		10.0	N

Associated Samples: **B22020415-001A, B22020415-006A, B22020415-011A, B22020415-017A, B22020415-022A, B22020415-027A, B22020415-032A**

Run ID: Run Order: ICPMS207-B_220214A: 32 **SampType:** Method Blank **Batch ID:** 163617
Method: SW6020 **Analysis Date:** 02/14/2022 14:38 **Prep Date:** 02/08/2022 15:24
Lab ID: MB-163617 **Units:** mg/L **Prep Method:** SW3010A

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	ND	0.0005									

Associated Samples: **B22020415-001B, B22020415-006B, B22020415-011B, B22020415-017B, B22020415-022B, B22020415-027B, B22020415-032B**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: ICPMS207-B_220214A: 33 **SampType:** Laboratory Control Sample **Batch ID:** 163617
Method: SW6020 **Analysis Date:** 02/14/2022 14:45 **Prep Date:** 02/08/2022 15:24
Lab ID: LCS4-163617 **Units:** mg/L **Prep Method:** SW3010A

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	0.099	0.001	0.100		99.0	88	115				

Associated Samples: **B22020415-001B, B22020415-006B, B22020415-011B, B22020415-017B, B22020415-022B, B22020415-027B, B22020415-032B**

Run ID: Run Order: ICPMS207-B_220214A: 42 **SampType:** Sample Matrix Spike **Batch ID:** 163617
Method: SW6020 **Analysis Date:** 02/14/2022 15:41 **Prep Date:** 02/08/2022 15:31
Lab ID: B22020415-001BMS4 **Units:** mg/L **Prep Method:** SW3010A

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	0.100	0.001	0.100	0	100.0	88	115				

Associated Samples: **B22020415-001B, B22020415-006B, B22020415-011B, B22020415-017B, B22020415-022B, B22020415-027B, B22020415-032B**

Run ID: Run Order: ICPMS207-B_220214A: 45 **SampType:** Sample Matrix Spike Duplicate **Batch ID:** 163617
Method: SW6020 **Analysis Date:** 02/14/2022 15:59 **Prep Date:** 02/08/2022 15:31
Lab ID: B22020415-001BMSD4 **Units:** mg/L **Prep Method:** SW3010A

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	0.101	0.001	0.100	0	101.0	88	115	0.100	0.7	20.0	

Associated Samples: **B22020415-001B, B22020415-006B, B22020415-011B, B22020415-017B, B22020415-022B, B22020415-027B, B22020415-032B**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: ICPMS207-B_220214A: 41 **SampType:** Post Digestion/Distillation Spike **Batch ID:** 163617
Method: SW6020 **Analysis Date:** 02/14/2022 15:34 **Prep Date:** 02/08/2022 15:31
Lab ID: B22020415-001BPDS1 **Units:** mg/L **Prep Method:** SW3010A

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	0.049	0.001	0.052	0	95.0	80	120				

Associated Samples: **B22020415-001B, B22020415-006B, B22020415-011B, B22020415-017B, B22020415-022B, B22020415-027B, B22020415-032B**

Run ID: Run Order: ICPMS207-B_220214A: 40 **SampType:** Serial Dilution **Batch ID:** 163617
Method: SW6020 **Analysis Date:** 02/14/2022 15:28 **Prep Date:** 02/08/2022 15:31
Lab ID: B22020415-001BDIL **Units:** mg/L **Prep Method:** SW3010A

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	ND	0.001						0		10.0	

Associated Samples: **B22020415-001B, B22020415-006B, B22020415-011B, B22020415-017B, B22020415-022B, B22020415-027B, B22020415-032B**

Run ID: Run Order: ICPMS207-B_220214A: 30 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374695
Method: SW6020 **Analysis Date:** 02/14/2022 14:26 **Prep Date:**
Lab ID: CCV **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	0.051	0.001	0.050		103.0	90	110				

Associated Samples: **B22020415-001A, B22020415-001B, B22020415-006A, B22020415-006B, B22020415-011A, B22020415-011B, B22020415-017A, B22020415-017B, B22020415-022A, B22020415-022B, B22020415-027A, B22020415-027B, B22020415-032A, B22020415-032B**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: ICPMS207-B_220214A: 43 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374695
Method: SW6020 **Analysis Date:** 02/14/2022 15:47 **Prep Date:**
Lab ID: CCV **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	0.050	0.001	0.050		101.0	90	110				

Associated Samples: **B22020415-001A, B22020415-001B, B22020415-006A, B22020415-006B, B22020415-011A, B22020415-011B, B22020415-017A, B22020415-017B, B22020415-022A, B22020415-022B, B22020415-027A, B22020415-027B, B22020415-032A, B22020415-032B**

Run ID: Run Order: ICPMS207-B_220214A: 56 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374695
Method: SW6020 **Analysis Date:** 02/14/2022 17:08 **Prep Date:**
Lab ID: CCV **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	0.049	0.001	0.050		98.0	90	110				

Associated Samples: **B22020415-001A, B22020415-001B, B22020415-006A, B22020415-006B, B22020415-011A, B22020415-011B, B22020415-017A, B22020415-017B, B22020415-022A, B22020415-022B, B22020415-027A, B22020415-027B, B22020415-032A, B22020415-032B**

Run ID: Run Order: ICPMS207-B_220214A: 61 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374695
Method: SW6020 **Analysis Date:** 02/14/2022 17:39 **Prep Date:**
Lab ID: CCV **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Lead	0.050	0.001	0.050		100.0	90	110				

Associated Samples: **B22020415-001A, B22020415-001B, B22020415-006A, B22020415-006B, B22020415-011A, B22020415-011B, B22020415-017A, B22020415-017B, B22020415-022A, B22020415-022B, B22020415-027A, B22020415-027B, B22020415-032A, B22020415-032B**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 4 **SampType:** Method Blank **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 07:55 **Prep Date:**
Lab ID: MBLK020922_ **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Benzene	ND	0.50									
Bromobenzene	ND	0.50									
Bromochloromethane	ND	0.50									
Bromodichloromethane	ND	0.50									
Bromoform	ND	0.50									
Carbon tetrachloride	ND	0.50									
Chlorobenzene	ND	0.50									
Chlorodibromomethane	ND	0.50									
Chloroethane	ND	0.50									
Chloroform	ND	0.50									
Chloromethane	ND	0.50									
1,2-Dibromoethane	ND	0.50									
2-Chlorotoluene	ND	0.50									
Dibromomethane	ND	0.50									
1,2-Dichlorobenzene	ND	0.50									
4-Chlorotoluene	ND	0.50									
1,3-Dichlorobenzene	ND	0.50									
1,4-Dichlorobenzene	ND	0.50									
Dichlorodifluoromethane	ND	0.50									
1,1-Dichloroethane	ND	0.50									
1,2-Dichloroethane	ND	0.50									
1,1-Dichloroethene	ND	0.50									
cis-1,2-Dichloroethene	ND	0.50									
trans-1,2-Dichloroethene	ND	0.50									
1,2-Dichloropropane	ND	0.50									
1,3-Dichloropropane	ND	0.50									
2,2-Dichloropropane	ND	0.50									

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 4 **SampType:** Method Blank **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 07:55 **Prep Date:**
Lab ID: MBLK020922_ **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,1-Dichloropropene	ND	0.50									
cis-1,3-Dichloropropene	ND	0.50									
trans-1,3-Dichloropropene	ND	0.50									
Ethylbenzene	ND	0.50									
Methyl tert-butyl ether (MTBE)	ND	0.50									
Methyl ethyl ketone	ND	10									
Methylene chloride	ND	0.50									
Styrene	ND	0.50									
1,1,1,2-Tetrachloroethane	ND	0.50									
1,1,2,2-Tetrachloroethane	ND	0.50									
Tetrachloroethene	ND	0.50									
Toluene	ND	0.50									
1,1,1-Trichloroethane	ND	0.50									
1,1,2-Trichloroethane	ND	0.50									
Trichloroethene	ND	0.50									
Trichlorofluoromethane	ND	0.50									
1,2,3-Trichloropropane	ND	0.50									
Vinyl chloride	ND	0.50									
m+p-Xylenes	ND	0.50									
o-Xylene	ND	0.50									
Xylenes, Total	ND	0.50									
Surr: 1,2-Dichloroethane-d4	11	0.50	10		112.0	81	118				
Surr: Dibromofluoromethane	11	0.50	10		111.0	80	119				
Surr: p-Bromofluorobenzene	11	0.50	10		107.0	85	114				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 4 **SampType:** Method Blank **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 07:55 **Prep Date:**
Lab ID: MBLK020922_ **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Surr: Toluene-d8	11	0.50	10		106.0	89	112				

Associated Samples: **B22020415-001F, B22020415-002A, B22020415-006F, B22020415-007A, B22020415-011F, B22020415-012A, B22020415-016C, B22020415-017F, B22020415-018A, B22020415-022F, B22020415-023A, B22020415-027F, B22020415-028A, B22020415-032F, B22020415-033A**

Run ID: Run Order: VOA5975C.I_220209A: 3 **SampType:** Laboratory Control Sample **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 07:01 **Prep Date:**
Lab ID: LCS020922_ **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Benzene	5.0	0.50	5.0		100.0	79	120				
Bromobenzene	5.0	0.50	5.0		100.0	80	120				
Bromochloromethane	4.9	0.50	5.0		97.0	78	123				
Bromodichloromethane	5.0	0.50	5.0		99.0	79	125				
Bromoform	5.1	0.50	5.0		102.0	66	130				
Carbon tetrachloride	4.8	0.50	5.0		96.0	72	136				
Chlorobenzene	5.1	0.50	5.0		101.0	82	118				
Chlorodibromomethane	5.0	0.50	5.0		99.0	74	126				
Chloroethane	4.8	0.50	5.0		96.0	60	138				
Chloroform	4.7	0.50	5.0		93.0	79	124				
Chloromethane	4.8	0.50	5.0		96.0	50	139				
1,2-Dibromoethane	5.0	0.50	5.0		100.0	78	122				
2-Chlorotoluene	5.0	0.50	5.0		99.0	79	122				
Dibromomethane	4.9	0.50	5.0		99.0	79	123				
1,2-Dichlorobenzene	5.0	0.50	5.0		100.0	80	119				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 3 **SampType:** Laboratory Control Sample **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 07:01 **Prep Date:**
Lab ID: LCS020922_ **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
4-Chlorotoluene	5.1	0.50	5.0		103.0	78	122				
1,3-Dichlorobenzene	5.0	0.50	5.0		101.0	80	119				
1,4-Dichlorobenzene	4.9	0.50	5.0		99.0	79	118				
Dichlorodifluoromethane	4.8	0.50	5.0		97.0	32	152				
1,1-Dichloroethane	5.1	0.50	5.0		102.0	77	125				
1,2-Dichloroethane	4.8	0.50	5.0		96.0	73	128				
1,1-Dichloroethene	4.9	0.50	5.0		98.0	71	131				
cis-1,2-Dichloroethene	5.0	0.50	5.0		99.0	78	123				
trans-1,2-Dichloroethene	4.9	0.50	5.0		98.0	75	124				
1,2-Dichloropropane	4.9	0.50	5.0		99.0	78	122				
1,3-Dichloropropane	4.9	0.50	5.0		98.0	80	119				
2,2-Dichloropropane	5.2	0.50	5.0		103.0	60	139				
1,1-Dichloropropene	4.9	0.50	5.0		98.0	79	125				
cis-1,3-Dichloropropene	4.7	0.50	5.0		95.0	75	124				
trans-1,3-Dichloropropene	5.1	0.50	5.0		103.0	73	127				
Ethylbenzene	4.9	0.50	5.0		98.0	79	121				
Methyl tert-butyl ether (MTBE)	5.1	0.50	5.0		102.0	71	124				
Methyl ethyl ketone	50	10	50		100.0	56	143				
Methylene chloride	4.9	0.50	5.0		98.0	74	124				
Styrene	5.0	0.50	5.0		100.0	78	123				
1,1,1,2-Tetrachloroethane	4.8	0.50	5.0		97.0	78	124				
1,1,2,2-Tetrachloroethane	5.0	0.50	5.0		101.0	71	121				
Tetrachloroethene	4.9	0.50	5.0		99.0	74	129				
Toluene	5.1	0.50	5.0		102.0	80	121				
1,1,1-Trichloroethane	5.0	0.50	5.0		101.0	74	131				
1,1,2-Trichloroethane	4.9	0.50	5.0		98.0	80	119				
Trichloroethene	4.9	0.50	5.0		98.0	79	123				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 3 **SampType:** Laboratory Control Sample **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 07:01 **Prep Date:**
Lab ID: LCS020922_ **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Trichlorofluoromethane	4.6	0.50	5.0		92.0	65	141				
1,2,3-Trichloropropane	4.9	0.50	5.0		98.0	73	125				
Vinyl chloride	4.9	0.50	5.0		98.0	58	137				
m+p-Xylenes	9.7	0.50	10		97.0	80	121				
o-Xylene	4.9	0.50	5.0		99.0	78	122				
Xylenes, Total	15	0.50	15		98.0	79	121				
Surr: 1,2-Dichloroethane-d4	11	0.50	10		111.0	81	118				
Surr: Dibromofluoromethane	11	0.50	10		107.0	80	119				
Surr: p-Bromofluorobenzene	10	0.50	10		102.0	85	114				
Surr: Toluene-d8	11	0.50	10		110.0	89	112				

Associated Samples: **B22020415-001F, B22020415-002A, B22020415-006F, B22020415-007A, B22020415-011F, B22020415-012A, B22020415-016C, B22020415-017F, B22020415-018A, B22020415-022F, B22020415-023A, B22020415-027F, B22020415-028A, B22020415-032F, B22020415-033A**

Run ID: Run Order: VOA5975C.I_220209A: 21 **SampType:** Sample Matrix Spike **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 15:40 **Prep Date:**
Lab ID: B22020415-006FMS **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Benzene	5.0	0.50	5.0	0.0	100.0	79	120				
Bromobenzene	5.2	0.50	5.0	0.0	104.0	80	120				
Bromochloromethane	4.8	0.50	5.0	0.0	97.0	78	123				
Bromodichloromethane	5.2	0.50	5.0	0.0	104.0	79	125				
Bromoform	5.1	0.50	5.0	0.0	101.0	66	130				
Carbon tetrachloride	4.9	0.50	5.0	0.0	99.0	72	136				
Chlorobenzene	5.2	0.50	5.0	0.0	103.0	82	118				
Chlorodibromomethane	4.9	0.50	5.0	0.0	97.0	74	126				
Chloroethane	5.2	0.50	5.0	0.0	104.0	60	138				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 21 **SampType:** Sample Matrix Spike **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 15:40 **Prep Date:**
Lab ID: B22020415-006FMS **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Chloroform	4.7	0.50	5.0	0.0	94.0	79	124				
Chloromethane	4.7	0.50	5.0	0.0	95.0	50	139				
1,2-Dibromoethane	4.9	0.50	5.0	0.0	99.0	78	122				
2-Chlorotoluene	5.2	0.50	5.0	0.0	104.0	79	122				
Dibromomethane	5.1	0.50	5.0	0.0	102.0	79	123				
1,2-Dichlorobenzene	5.4	0.50	5.0	0.0	107.0	80	119				
4-Chlorotoluene	5.4	0.50	5.0	0.0	107.0	78	122				
1,3-Dichlorobenzene	5.3	0.50	5.0	0.0	105.0	80	119				
1,4-Dichlorobenzene	5.2	0.50	5.0	0.0	105.0	79	118				
Dichlorodifluoromethane	4.9	0.50	5.0	0.0	99.0	32	152				
1,1-Dichloroethane	5.2	0.50	5.0	0.0	104.0	77	125				
1,2-Dichloroethane	4.7	0.50	5.0	0.0	94.0	73	128				
1,1-Dichloroethene	5.0	0.50	5.0	0.0	101.0	71	131				
cis-1,2-Dichloroethene	4.9	0.50	5.0	0.0	98.0	78	123				
trans-1,2-Dichloroethene	5.0	0.50	5.0	0.0	100.0	75	124				
1,2-Dichloropropane	5.0	0.50	5.0	0.0	101.0	78	122				
1,3-Dichloropropane	4.8	0.50	5.0	0.0	97.0	80	119				
2,2-Dichloropropane	4.9	0.50	5.0	0.0	97.0	60	139				
1,1-Dichloropropene	4.8	0.50	5.0	0.0	97.0	79	125				
cis-1,3-Dichloropropene	4.6	0.50	5.0	0.0	93.0	75	124				
trans-1,3-Dichloropropene	5.1	0.50	5.0	0.0	102.0	73	127				
Ethylbenzene	5.1	0.50	5.0	0.0	102.0	79	121				
Methyl tert-butyl ether (MTBE)	4.8	0.50	5.0	0.0	97.0	71	124				
Methyl ethyl ketone	50	10	50	0.0	100.0	56	143				
Methylene chloride	4.8	0.50	5.0	0.0	96.0	74	124				
Styrene	5.1	0.50	5.0	0.0	101.0	78	123				
1,1,1,2-Tetrachloroethane	5.0	0.50	5.0	0.0	99.0	78	124				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 21 **SampType:** Sample Matrix Spike **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 15:40 **Prep Date:**
Lab ID: B22020415-006FMS **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,1,2,2-Tetrachloroethane	5.1	0.50	5.0	0.0	101.0	71	121				
Tetrachloroethene	5.0	0.50	5.0	0.0	100.0	74	129				
Toluene	5.2	0.50	5.0	0.0	104.0	80	121				
1,1,1-Trichloroethane	4.9	0.50	5.0	0.0	99.0	74	131				
1,1,2-Trichloroethane	5.2	0.50	5.0	0.0	104.0	80	119				
Trichloroethene	5.2	0.50	5.0	0.0	103.0	79	123				
Trichlorofluoromethane	4.6	0.50	5.0	0.0	93.0	65	141				
1,2,3-Trichloropropane	4.9	0.50	5.0	0.0	98.0	73	125				
Vinyl chloride	4.8	0.50	5.0	0.0	96.0	58	137				
m+p-Xylenes	10	0.50	10	0.0	100.0	80	121				
o-Xylene	5.1	0.50	5.0	0.0	101.0	78	122				
Xylenes, Total	15	0.50	15	0.081	100.0	79	121				
Surr: 1,2-Dichloroethane-d4	11	0.50	10	0.0	110.0	81	118				
Surr: Dibromofluoromethane	11	0.50	10	0.0	106.0	80	119				
Surr: p-Bromofluorobenzene	10	0.50	10	0.0	105.0	85	114				
Surr: Toluene-d8	11	0.50	10	0.0	111.0	89	112				

Associated Samples: **B22020415-001F, B22020415-002A, B22020415-006F, B22020415-007A, B22020415-011F, B22020415-012A, B22020415-016C, B22020415-017F, B22020415-018A, B22020415-022F, B22020415-023A, B22020415-027F, B22020415-028A, B22020415-032F, B22020415-033A**

Run ID: Run Order: VOA5975C.I_220209A: 22 **SampType:** Sample Matrix Spike Duplicate **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 16:07 **Prep Date:**
Lab ID: B22020415-006FMSD **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Benzene	5.1	0.50	5.0	0.0	101.0	79	120	5.0	1.7	20.0	
Bromobenzene	5.1	0.50	5.0	0.0	102.0	80	120	5.2	2.5	20.0	
Bromochloromethane	4.8	0.50	5.0	0.0	96.0	78	123	4.8	0.7	20.0	

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 22 **SampType:** Sample Matrix Spike Duplicate **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 16:07 **Prep Date:**
Lab ID: B22020415-006FMSD **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Bromodichloromethane	5.0	0.50	5.0	0.0	100.0	79	125	5.2	3.7	20.0	
Bromoform	4.9	0.50	5.0	0.0	98.0	66	130	5.1	3.3	20.0	
Carbon tetrachloride	4.9	0.50	5.0	0.0	98.0	72	136	4.9	0.7	20.0	
Chlorobenzene	5.1	0.50	5.0	0.0	103.0	82	118	5.2	0.1	20.0	
Chlorodibromomethane	5.1	0.50	5.0	0.0	101.0	74	126	4.9	3.6	20.0	
Chloroethane	5.1	0.50	5.0	0.0	101.0	60	138	5.2	2.8	20.0	
Chloroform	4.6	0.50	5.0	0.0	92.0	79	124	4.7	2.5	20.0	
Chloromethane	4.6	0.50	5.0	0.0	92.0	50	139	4.7	2.8	20.0	
1,2-Dibromoethane	5.1	0.50	5.0	0.0	102.0	78	122	4.9	3.0	20.0	
2-Chlorotoluene	5.3	0.50	5.0	0.0	105.0	79	122	5.2	1.4	20.0	
Dibromomethane	4.9	0.50	5.0	0.0	98.0	79	123	5.1	4.5	20.0	
1,2-Dichlorobenzene	5.1	0.50	5.0	0.0	102.0	80	119	5.4	5.2	20.0	
4-Chlorotoluene	5.2	0.50	5.0	0.0	104.0	78	122	5.4	2.8	20.0	
1,3-Dichlorobenzene	5.1	0.50	5.0	0.0	103.0	80	119	5.3	2.2	20.0	
1,4-Dichlorobenzene	5.1	0.50	5.0	0.0	102.0	79	118	5.2	2.5	20.0	
Dichlorodifluoromethane	4.7	0.50	5.0	0.0	95.0	32	152	4.9	3.8	20.0	
1,1-Dichloroethane	5.1	0.50	5.0	0.0	101.0	77	125	5.2	2.3	20.0	
1,2-Dichloroethane	4.9	0.50	5.0	0.0	97.0	73	128	4.7	3.2	20.0	
1,1-Dichloroethene	5.1	0.50	5.0	0.0	101.0	71	131	5.0	0.2	20.0	
cis-1,2-Dichloroethene	5.0	0.50	5.0	0.0	101.0	78	123	4.9	2.6	20.0	
trans-1,2-Dichloroethene	4.9	0.50	5.0	0.0	99.0	75	124	5.0	1.1	20.0	
1,2-Dichloropropane	5.0	0.50	5.0	0.0	100.0	78	122	5.0	0.9	20.0	
1,3-Dichloropropane	4.9	0.50	5.0	0.0	98.0	80	119	4.8	1.4	20.0	
2,2-Dichloropropane	4.8	0.50	5.0	0.0	96.0	60	139	4.9	1.7	20.0	
1,1-Dichloropropene	4.8	0.50	5.0	0.0	97.0	79	125	4.8	0.2	20.0	
cis-1,3-Dichloropropene	4.6	0.50	5.0	0.0	93.0	75	124	4.6	0.0	20.0	
trans-1,3-Dichloropropene	5.0	0.50	5.0	0.0	101.0	73	127	5.1	1.3	20.0	

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 22 **SampType:** Sample Matrix Spike Duplicate **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 16:07 **Prep Date:**
Lab ID: B22020415-006FMSD **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Ethylbenzene	5.0	0.50	5.0	0.0	101.0	79	121	5.1	1.1	20.0	
Methyl tert-butyl ether (MTBE)	4.7	0.50	5.0	0.0	95.0	71	124	4.8	2.0	20.0	
Methyl ethyl ketone	50	10	50	0.0	100.0	56	143	50	0.8	20.0	
Methylene chloride	4.8	0.50	5.0	0.0	97.0	74	124	4.8	1.1	20.0	
Styrene	5.1	0.50	5.0	0.0	102.0	78	123	5.1	0.9	20.0	
1,1,1,2-Tetrachloroethane	4.9	0.50	5.0	0.0	97.0	78	124	5.0	2.1	20.0	
1,1,2,2-Tetrachloroethane	4.9	0.50	5.0	0.0	98.0	71	121	5.1	3.2	20.0	
Tetrachloroethene	5.0	0.50	5.0	0.0	100.0	74	129	5.0	0.2	20.0	
Toluene	5.2	0.50	5.0	0.0	103.0	80	121	5.2	0.4	20.0	
1,1,1-Trichloroethane	5.0	0.50	5.0	0.0	100.0	74	131	4.9	1.3	20.0	
1,1,2-Trichloroethane	5.0	0.50	5.0	0.0	100.0	80	119	5.2	3.4	20.0	
Trichloroethene	5.0	0.50	5.0	0.0	101.0	79	123	5.2	2.6	20.0	
Trichlorofluoromethane	4.7	0.50	5.0	0.0	94.0	65	141	4.6	1.2	20.0	
1,2,3-Trichloropropane	4.6	0.50	5.0	0.0	93.0	73	125	4.9	5.6	20.0	
Vinyl chloride	4.8	0.50	5.0	0.0	95.0	58	137	4.8	1.1	20.0	
m+p-Xylenes	9.9	0.50	10	0.0	99.0	80	121	10	0.2	20.0	
o-Xylene	5.1	0.50	5.0	0.0	103.0	78	122	5.1	1.6	20.0	
Xylenes, Total	15	0.50	15	0.081	100.0	79	121	15	0.4	20.0	
Surr: 1,2-Dichloroethane-d4	11	0.50	10	0.0	112.0	81	118	0.0			
Surr: Dibromofluoromethane	11	0.50	10	0.0	105.0	80	119	0.0			
Surr: p-Bromofluorobenzene	10	0.50	10	0.0	102.0	85	114	0.0			
Surr: Toluene-d8	11	0.50	10	0.0	110.0	89	112	0.0			

Associated Samples: **B22020415-001F, B22020415-002A, B22020415-006F, B22020415-007A, B22020415-011F, B22020415-012A, B22020415-016C, B22020415-017F, B22020415-018A, B22020415-022F, B22020415-023A, B22020415-027F, B22020415-028A, B22020415-032F, B22020415-033A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 2 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 06:25 **Prep Date:**
Lab ID: CCV020922_ **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Benzene	5.1	0.50	5.0		102.0	80	120				
Bromobenzene	5.0	0.50	5.0		100.0	80	120				
Bromochloromethane	5.1	0.50	5.0		102.0	80	120				
Bromodichloromethane	5.1	0.50	5.0		102.0	80	120				
Bromoform	4.9	0.50	5.0		98.0	80	120				
Carbon tetrachloride	4.9	0.50	5.0		98.0	80	120				
Chlorobenzene	5.1	0.50	5.0		101.0	80	120				
Chlorodibromomethane	5.1	0.50	5.0		102.0	80	120				
Chloroethane	5.1	0.50	5.0		101.0	80	120				
Chloroform	4.9	0.50	5.0		97.0	80	120				
Chloromethane	4.9	0.50	5.0		98.0	80	120				
1,2-Dibromoethane	5.2	0.50	5.0		103.0	80	120				
2-Chlorotoluene	5.0	0.50	5.0		100.0	80	120				
Dibromomethane	5.4	0.50	5.0		108.0	80	120				
1,2-Dichlorobenzene	5.0	0.50	5.0		99.0	80	120				
4-Chlorotoluene	5.2	0.50	5.0		104.0	80	120				
1,3-Dichlorobenzene	4.8	0.50	5.0		97.0	80	120				
1,4-Dichlorobenzene	4.9	0.50	5.0		99.0	80	120				
Dichlorodifluoromethane	4.7	0.50	5.0		95.0	80	120				
1,1-Dichloroethane	5.1	0.50	5.0		101.0	80	120				
1,2-Dichloroethane	5.2	0.50	5.0		104.0	80	120				
1,1-Dichloroethene	5.0	0.50	5.0		99.0	80	120				
cis-1,2-Dichloroethene	5.1	0.50	5.0		102.0	80	120				
trans-1,2-Dichloroethene	4.9	0.50	5.0		98.0	80	120				
1,2-Dichloropropane	5.1	0.50	5.0		102.0	80	120				
1,3-Dichloropropane	5.3	0.50	5.0		106.0	80	120				
2,2-Dichloropropane	5.2	0.50	5.0		104.0	80	120				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 2 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 06:25 **Prep Date:**
Lab ID: CCV020922_ **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,1-Dichloropropene	5.2	0.50	5.0		103.0	80	120				
cis-1,3-Dichloropropene	4.9	0.50	5.0		98.0	80	120				
trans-1,3-Dichloropropene	5.3	0.50	5.0		106.0	80	120				
Ethylbenzene	5.0	0.50	5.0		100.0	80	120				
Methyl tert-butyl ether (MTBE)	4.9	0.50	5.0		98.0	80	120				
Methyl ethyl ketone	50	10	50		99.0	80	120				
Methylene chloride	5.0	0.50	5.0		100.0	80	120				
Styrene	5.2	0.50	5.0		103.0	80	120				
1,1,1,2-Tetrachloroethane	5.1	0.50	5.0		101.0	80	120				
1,1,2,2-Tetrachloroethane	5.1	0.50	5.0		103.0	80	120				
Tetrachloroethene	4.9	0.50	5.0		98.0	80	120				
Toluene	5.2	0.50	5.0		104.0	80	120				
1,1,1-Trichloroethane	5.0	0.50	5.0		101.0	80	120				
1,1,2-Trichloroethane	5.2	0.50	5.0		105.0	80	120				
Trichloroethene	5.0	0.50	5.0		101.0	80	120				
Trichlorofluoromethane	4.8	0.50	5.0		96.0	80	120				
1,2,3-Trichloropropane	5.1	0.50	5.0		102.0	80	120				
Vinyl chloride	4.7	0.50	5.0		95.0	80	120				
m+p-Xylenes	10	0.50	10		100.0	80	120				
o-Xylene	5.0	0.50	5.0		100.0	80	120				
Xylenes, Total	15	0.50	15		100.0	80	120				
Surr: 1,2-Dichloroethane-d4	12	0.50	10		116.0	80	120				
Surr: Dibromofluoromethane	11	0.50	10		109.0	80	120				
Surr: p-Bromofluorobenzene	10	0.50	10		103.0	80	120				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 2 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 06:25 **Prep Date:**
Lab ID: CCV020922_ **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Surr: Toluene-d8	11	0.50	10		110.0	80	120				

Associated Samples: **B22020415-001F, B22020415-002A, B22020415-006F, B22020415-007A, B22020415-011F, B22020415-012A, B22020415-016C, B22020415-017F, B22020415-018A, B22020415-022F, B22020415-023A, B22020415-027F, B22020415-028A, B22020415-032F, B22020415-033A**

Run ID: Run Order: VOA5975C.I_220209A: 23 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 17:02 **Prep Date:**
Lab ID: CCV_CLOSING_020922 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Benzene	4.9	0.50	5.0		97.0	50	150				
Bromobenzene	4.9	0.50	5.0		98.0	50	150				
Bromochloromethane	4.7	0.50	5.0		93.0	50	150				
Bromodichloromethane	4.6	0.50	5.0		93.0	50	150				
Bromoform	4.6	0.50	5.0		92.0	50	150				
Carbon tetrachloride	4.8	0.50	5.0		96.0	50	150				
Chlorobenzene	4.9	0.50	5.0		97.0	50	150				
Chlorodibromomethane	4.8	0.50	5.0		96.0	50	150				
Chloroethane	5.2	0.50	5.0		104.0	50	150				
Chloroform	4.7	0.50	5.0		95.0	50	150				
Chloromethane	4.9	0.50	5.0		99.0	50	150				
1,2-Dibromoethane	4.7	0.50	5.0		95.0	50	150				
2-Chlorotoluene	5.0	0.50	5.0		100.0	50	150				
Dibromomethane	4.7	0.50	5.0		93.0	50	150				
1,2-Dichlorobenzene	4.8	0.50	5.0		97.0	50	150				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 23 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 17:02 **Prep Date:**
Lab ID: CCV_CLOSING_020922 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
4-Chlorotoluene	5.0	0.50	5.0		101.0	50	150				
1,3-Dichlorobenzene	4.8	0.50	5.0		97.0	50	150				
1,4-Dichlorobenzene	4.8	0.50	5.0		97.0	50	150				
Dichlorodifluoromethane	4.8	0.50	5.0		96.0	50	150				
1,1-Dichloroethane	4.8	0.50	5.0		97.0	50	150				
1,2-Dichloroethane	4.7	0.50	5.0		95.0	50	150				
1,1-Dichloroethene	4.7	0.50	5.0		95.0	50	150				
cis-1,2-Dichloroethene	4.6	0.50	5.0		93.0	50	150				
trans-1,2-Dichloroethene	4.7	0.50	5.0		94.0	50	150				
1,2-Dichloropropane	4.8	0.50	5.0		96.0	50	150				
1,3-Dichloropropane	4.7	0.50	5.0		94.0	50	150				
2,2-Dichloropropane	4.6	0.50	5.0		93.0	50	150				
1,1-Dichloropropene	4.7	0.50	5.0		95.0	50	150				
cis-1,3-Dichloropropene	4.6	0.50	5.0		92.0	50	150				
trans-1,3-Dichloropropene	4.6	0.50	5.0		93.0	50	150				
Ethylbenzene	4.8	0.50	5.0		96.0	50	150				
Methyl tert-butyl ether (MTBE)	4.6	0.50	5.0		91.0	50	150				
Methyl ethyl ketone	46	10	50		91.0	50	150				
Methylene chloride	4.7	0.50	5.0		93.0	50	150				
Styrene	4.8	0.50	5.0		96.0	50	150				
1,1,1,2-Tetrachloroethane	4.8	0.50	5.0		96.0	50	150				
1,1,2,2-Tetrachloroethane	4.7	0.50	5.0		93.0	50	150				
Tetrachloroethene	4.8	0.50	5.0		95.0	50	150				
Toluene	4.9	0.50	5.0		97.0	50	150				
1,1,1-Trichloroethane	4.8	0.50	5.0		95.0	50	150				
1,1,2-Trichloroethane	4.8	0.50	5.0		96.0	50	150				
Trichloroethene	4.8	0.50	5.0		97.0	50	150				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: VOA5975C.I_220209A: 23 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374631
Method: SW8260B **Analysis Date:** 02/09/2022 17:02 **Prep Date:**
Lab ID: CCV_CLOSING_020922 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Trichlorofluoromethane	5.0	0.50	5.0		100.0	50	150				
1,2,3-Trichloropropane	4.7	0.50	5.0		93.0	50	150				
Vinyl chloride	4.8	0.50	5.0		95.0	50	150				
m+p-Xylenes	9.7	0.50	10		97.0	50	150				
o-Xylene	4.7	0.50	5.0		94.0	50	150				
Xylenes, Total	14	0.50	15		96.0	50	150				
Surr: 1,2-Dichloroethane-d4	11	0.50	10		111.0	50	150				
Surr: Dibromofluoromethane	11	0.50	10		108.0	50	150				
Surr: p-Bromofluorobenzene	10	0.50	10		105.0	50	150				
Surr: Toluene-d8	11	0.50	10		109.0	50	150				

Associated Samples: **B22020415-001F, B22020415-002A, B22020415-006F, B22020415-007A, B22020415-011F, B22020415-012A, B22020415-016C, B22020415-017F, B22020415-018A, B22020415-022F, B22020415-023A, B22020415-027F, B22020415-028A, B22020415-032F, B22020415-033A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GECD.I_220211A: 10 **SampType:** Method Blank **Batch ID:** 163636
Method: SW8011 **Analysis Date:** 02/11/2022 14:54 **Prep Date:** 02/09/2022 09:54
Lab ID: MB-163636 **Units:** ug/L **Prep Method:** SW8011

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2-Dibromoethane	ND	0.0050									
Surr: 1,1,1,2-Tetrachloroethane	0.092	0.020	0.10		92.0	70	130				

Associated Samples: **B22020415-001H, B22020415-004A, B22020415-006H, B22020415-009A, B22020415-011H, B22020415-014A, B22020415-017H, B22020415-020A, B22020415-022H, B22020415-025A, B22020415-027H, B22020415-030A, B22020415-032H, B22020415-035A**

Run ID: Run Order: GECD.I_220211A: 11 **SampType:** Laboratory Control Sample **Batch ID:** 163636
Method: SW8011 **Analysis Date:** 02/11/2022 15:14 **Prep Date:** 02/09/2022 09:54
Lab ID: LCS-163636 **Units:** ug/L **Prep Method:** SW8011

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.23	0.010	0.25		92.0	60	140				
Surr: 1,1,1,2-Tetrachloroethane	0.095	0.020	0.10		95.0	70	130				

Associated Samples: **B22020415-001H, B22020415-004A, B22020415-006H, B22020415-009A, B22020415-011H, B22020415-014A, B22020415-017H, B22020415-020A, B22020415-022H, B22020415-025A, B22020415-027H, B22020415-030A, B22020415-032H, B22020415-035A**

Run ID: Run Order: GECD.I_220211A: 12 **SampType:** Laboratory Control Sample **Batch ID:** 163636
Method: SW8011 **Analysis Date:** 02/11/2022 15:34 **Prep Date:** 02/09/2022 09:55
Lab ID: LCS1-163636 **Units:** ug/L **Prep Method:** SW8011

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.096	0.010	0.10		96.0	60	140				
Surr: 1,1,1,2-Tetrachloroethane	0.095	0.020	0.10		95.0	70	130				

Associated Samples: **B22020415-001H, B22020415-004A, B22020415-006H, B22020415-009A, B22020415-011H, B22020415-014A, B22020415-017H, B22020415-020A, B22020415-022H, B22020415-025A, B22020415-027H, B22020415-030A, B22020415-032H, B22020415-035A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GECD.I_220211A: 22 **SampType:** Sample Matrix Spike **Batch ID:** 163636
Method: SW8011 **Analysis Date:** 02/11/2022 19:12 **Prep Date:** 02/09/2022 09:56
Lab ID: B22020415-001HMS **Units:** ug/L **Prep Method:** SW8011

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.23	0.010	0.25	0.0	93.0	60	140				
Surr: 1,1,1,2-Tetrachloroethane	0.097	0.020	0.099	0.0	98.0	70	130				

Associated Samples: **B22020415-001H, B22020415-004A, B22020415-006H, B22020415-009A, B22020415-011H, B22020415-014A, B22020415-017H, B22020415-020A, B22020415-022H, B22020415-025A, B22020415-027H, B22020415-030A, B22020415-032H, B22020415-035A**

Run ID: Run Order: GECD.I_220211A: 23 **SampType:** Sample Matrix Spike Duplicate **Batch ID:** 163636
Method: SW8011 **Analysis Date:** 02/11/2022 19:32 **Prep Date:** 02/09/2022 09:56
Lab ID: B22020415-001HMSD **Units:** ug/L **Prep Method:** SW8011

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.23	0.010	0.25	0.0	92.0	60	140	0.23	1.3	20.0	
Surr: 1,1,1,2-Tetrachloroethane	0.096	0.020	0.099	0.0	97.0	70	130	0.0			

Associated Samples: **B22020415-001H, B22020415-004A, B22020415-006H, B22020415-009A, B22020415-011H, B22020415-014A, B22020415-017H, B22020415-020A, B22020415-022H, B22020415-025A, B22020415-027H, B22020415-030A, B22020415-032H, B22020415-035A**

Run ID: Run Order: GECD.I_220211A: 9 **SampType:** Continuing Calibration Verification Standard **Batch ID:** 163636
Method: SW8011 **Analysis Date:** 02/11/2022 14:34 **Prep Date:** 02/09/2022 09:55
Lab ID: CAL3-163636 **Units:** ug/L **Prep Method:** SW8011

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.11	0.010	0.10		108.0	80	120				
Surr: 1,1,1,2-Tetrachloroethane	0.10	0.020	0.10		100.0	80	120				

Associated Samples: **B22020415-001H, B22020415-004A, B22020415-006H, B22020415-009A, B22020415-011H, B22020415-014A, B22020415-017H, B22020415-020A, B22020415-022H, B22020415-025A, B22020415-027H, B22020415-030A, B22020415-032H, B22020415-035A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GECD.I_220211A: 24 **SampType:** Continuing Calibration Verification Standard **Batch ID:** 163636
Method: SW8011 **Analysis Date:** 02/11/2022 20:12 **Prep Date:** 02/09/2022 09:55
Lab ID: CAL5-163636 **Units:** ug/L **Prep Method:** SW8011

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.40	0.010	0.40		100.0	80	120				
Surr: 1,1,1,2-Tetrachloroethane	0.44	0.020	0.40		110.0	80	120				

Associated Samples: **B22020415-001H, B22020415-004A, B22020415-006H, B22020415-009A, B22020415-011H, B22020415-014A, B22020415-017H, B22020415-020A, B22020415-022H, B22020415-025A, B22020415-027H, B22020415-030A, B22020415-032H, B22020415-035A**

Run ID: Run Order: GECD.I_220211A: 31 **SampType:** Continuing Calibration Verification Standard **Batch ID:** 163636
Method: SW8011 **Analysis Date:** 02/11/2022 23:10 **Prep Date:** 02/09/2022 09:55
Lab ID: CAL3-163636 **Units:** ug/L **Prep Method:** SW8011

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2-Dibromoethane	0.10	0.010	0.10		103.0	80	120				
Surr: 1,1,1,2-Tetrachloroethane	0.10	0.020	0.10		100.0	80	120				

Associated Samples: **B22020415-001H, B22020415-004A, B22020415-006H, B22020415-009A, B22020415-011H, B22020415-014A, B22020415-017H, B22020415-020A, B22020415-022H, B22020415-025A, B22020415-027H, B22020415-030A, B22020415-032H, B22020415-035A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GCFID-HP5-B_220209A: 5 **SampType:** Method Blank **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/09/2022 16:35 **Prep Date:** 02/08/2022 15:24
Lab ID: MB-163616 **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (C10 to C24)	ND	0.15									
Oil Range Hydrocarbons (C24 to C40)	ND	0.15									
Total Extractable Hydrocarbons	ND	0.15									
Surr: o-Terphenyl	0.18	0.0020	0.20		88.0	56	125				
Surr: n-Triacontane	0.093	0.0020	0.10		93.0	50	150				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209B: 5 **SampType:** Method Blank **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/10/2022 16:48 **Prep Date:** 02/08/2022 15:24
Lab ID: MB-163616 **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (SGT-C10 to C24)	ND	0.15									
Oil Range Hydrocarbons (SGT-C24 to C40)	ND	0.15									
Total Extractable Hydrocarbons (SGT)	ND	0.15									
Surr: o-Terphenyl (SGT)	0.16	0.0020	0.20		79.0	56	125				
Surr: n-Triacontane (SGT)	0.088	0.0020	0.10		88.0	50	150				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GCFID-HP5-B_220209A: 3 **SampType:** Laboratory Control Sample **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/09/2022 15:10 **Prep Date:** 02/08/2022 15:24
Lab ID: LCS-163616 **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (C10 to C24)	12	0.30	15		77.0	36	132				
Total Extractable Hydrocarbons	12	0.30	15		83.0	60	132				
Surr: o-Terphenyl	0.18	0.0020	0.20		91.0	56	125				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209A: 4 **SampType:** Laboratory Control Sample Duplicate **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/09/2022 15:52 **Prep Date:** 02/08/2022 15:24
Lab ID: LCSD-163616 **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (C10 to C24)	11	0.30	15		76.0	36	132	12	2.1	20.0	
Total Extractable Hydrocarbons	12	0.30	15		81.0	60	132	12	2.4	20.0	
Surr: o-Terphenyl	0.18	0.0020	0.20		90.0	56	125	0.0			

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209A: 16 **SampType:** Laboratory Control Sample Duplicate **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/10/2022 08:58 **Prep Date:** 02/08/2022 15:24
Lab ID: LCSD-163616-RRO **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH(Oil Range)	4.7	0.30	5.0		95.0	41	113				
Surr: n-Triacontane	0.095	0.0020	0.10		95.0	50	150				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GCFID-HP5-B_220209A: 17 **SampType:** Laboratory Control Sample **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/10/2022 09:41 **Prep Date:** 02/08/2022 15:24
Lab ID: LCS-163616-RRO **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH(Oil Range)	4.8	0.30	5.0		95.0	41	113	4.7	0.9		
Surr: n-Triacontane	0.095	0.0020	0.10		95.0	50	150	0.0			

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209B: 3 **SampType:** Laboratory Control Sample **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/10/2022 15:23 **Prep Date:** 02/08/2022 15:24
Lab ID: LCS-163616 **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (SGT-C10 to C24)	8.9	0.30	15		59.0	36	132				
Total Extractable Hydrocarbons (SGT)	9.5	0.30	15		64.0	60	132				
Surr: o-Terphenyl (SGT)	0.15	0.0020	0.20		73.0	56	125				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209B: 4 **SampType:** Laboratory Control Sample Duplicate **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/10/2022 16:06 **Prep Date:** 02/08/2022 15:24
Lab ID: LCSD-163616 **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (SGT-C10 to C24)	11	0.30	15		74.0	36	132	8.9	22.0	20.0	R
Total Extractable Hydrocarbons (SGT)	12	0.30	15		79.0	60	132	9.5	22.0	20.0	R
Surr: o-Terphenyl (SGT)	0.18	0.0020	0.20		90.0	56	125	0.0			

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

- The sample RPD limit is within the QSM 5.3 defined limit of 30%.

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GCFID-HP5-B_220209B: 15 **SampType:** Laboratory Control Sample **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/11/2022 08:25 **Prep Date:** 02/08/2022 15:24
Lab ID: LCS-163616-RRO **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH (SGT-Oil Range)	4.4	0.30	5.0		89.0	41	113				
Surr: n-Triacontane (SGT)	0.088	0.0020	0.10		88.0	50	150				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209B: 16 **SampType:** Laboratory Control Sample Duplicate **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/11/2022 09:08 **Prep Date:** 02/08/2022 15:24
Lab ID: LCSD-163616-RRO **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH (SGT-Oil Range)	3.9	0.30	5.0		78.0	41	113	4.4	13.0	20.0	
Surr: n-Triacontane (SGT)	0.073	0.0020	0.10		73.0	50	150	0.0			

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209A: 7 **SampType:** Sample Matrix Spike **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/09/2022 18:01 **Prep Date:** 02/08/2022 15:24
Lab ID: B22020415-001D-MS **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (C10 to C24)	12	0.30	14	0.32	78.0	36	132				
Total Extractable Hydrocarbons	12	0.30	14	0.44	83.0	60	132				
Surr: o-Terphenyl	0.17	0.0020	0.19	0.0	91.0	56	125				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GCFID-HP5-B_220209A: 15 **SampType:** Sample Matrix Spike **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/10/2022 04:04 **Prep Date:** 02/08/2022 15:24
Lab ID: B22020415-022D-MS-RRO **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH(Oil Range)	5.0	0.30	5.0	0.0	99.0	41	113				
Surr: n-Triacontane	0.097	0.0020	0.10	0.0	96.0	50	150				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209B: 7 **SampType:** Sample Matrix Spike **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/10/2022 18:15 **Prep Date:** 02/08/2022 15:24
Lab ID: B22020415-001D-MS **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (SGT-C10 to C24)	11	0.30	14	0.16	78.0	36	132				
Total Extractable Hydrocarbons (SGT)	12	0.30	14	0.18	83.0	60	132				
Surr: o-Terphenyl (SGT)	0.18	0.0020	0.19	0.0	92.0	56	125				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209B: 14 **SampType:** Sample Matrix Spike **Batch ID:** 163616
Method: SW8015C **Analysis Date:** 02/11/2022 01:25 **Prep Date:** 02/08/2022 15:24
Lab ID: B22020415-022D-MS-RRO **Units:** mg/L **Prep Method:** SW3520C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH (SGT-Oil Range)	4.8	0.30	5.0	0.0049	95.0	41	113				
Surr: n-Triacontane (SGT)	0.096	0.0020	0.10	0.0	95.0	50	150				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: PE 1_220209A: 4 **SampType:** Method Blank **Batch ID:** R374604
Method: SW8015C **Analysis Date:** 02/09/2022 10:28 **Prep Date:**
Lab ID: MBLK_0209PE106r **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
C6 to C10	ND	10									
Total Purgeable Hydrocarbons	ND	10									
Surr: Trifluorotoluene	21	1.0	25		85.0	70	130				

Associated Samples: **B22020415-001G, B22020415-003A, B22020415-006G, B22020415-008A, B22020415-011G, B22020415-013A, B22020415-016D, B22020415-017G, B22020415-019A, B22020415-022G, B22020415-024A, B22020415-027G, B22020415-029A, B22020415-032G, B22020415-034A**

Run ID: Run Order: PE 1_220209A: 18 **SampType:** Method Blank **Batch ID:** R374604
Method: SW8015C **Analysis Date:** 02/09/2022 21:54 **Prep Date:**
Lab ID: MBLK_0209PE126r **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
C6 to C10	ND	10									
Total Purgeable Hydrocarbons	ND	10									
Surr: Trifluorotoluene	21	1.0	25		84.0	70	130				

Associated Samples: **B22020415-001G, B22020415-003A, B22020415-006G, B22020415-008A, B22020415-011G, B22020415-013A, B22020415-016D, B22020415-017G, B22020415-019A, B22020415-022G, B22020415-024A, B22020415-027G, B22020415-029A, B22020415-032G, B22020415-034A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: PE 1_220209A: 3 **SampType:** Laboratory Control Sample **Batch ID:** R374604
Method: SW8015C **Analysis Date:** 02/09/2022 09:54 **Prep Date:**
Lab ID: LCS_0209PE105r **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
C6 to C10	163	20	170		96.0	78	122				
Total Purgeable Hydrocarbons	201	20	200		100.0	70	130				
Surr: Trifluorotoluene	23	1.0	25		93.0	70	130				

Associated Samples: **B22020415-001G, B22020415-003A, B22020415-006G, B22020415-008A, B22020415-011G, B22020415-013A, B22020415-016D, B22020415-017G, B22020415-019A, B22020415-022G, B22020415-024A, B22020415-027G, B22020415-029A, B22020415-032G, B22020415-034A**

Run ID: Run Order: PE 1_220209A: 17 **SampType:** Laboratory Control Sample **Batch ID:** R374604
Method: SW8015C **Analysis Date:** 02/09/2022 21:20 **Prep Date:**
Lab ID: LCS_0209PE125r **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
C6 to C10	159	20	170		94.0	78	122				
Total Purgeable Hydrocarbons	196	20	200		98.0	70	130				
Surr: Trifluorotoluene	23	1.0	25		90.0	70	130				

Associated Samples: **B22020415-001G, B22020415-003A, B22020415-006G, B22020415-008A, B22020415-011G, B22020415-013A, B22020415-016D, B22020415-017G, B22020415-019A, B22020415-022G, B22020415-024A, B22020415-027G, B22020415-029A, B22020415-032G, B22020415-034A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: PE 1_220209A: 13 **SampType:** Sample Matrix Spike **Batch ID:** R374604
Method: SW8015C **Analysis Date:** 02/09/2022 19:03 **Prep Date:**
Lab ID: B22020415-032GMS **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
C6 to C10	161	20	170	0.0	95.0	78	122				
Total Purgeable Hydrocarbons	199	20	200	0.0	99.0	70	130				
Surr: Trifluorotoluene	22	1.0	25	0.0	89.0	70	130				

Associated Samples: **B22020415-001G, B22020415-003A, B22020415-006G, B22020415-008A, B22020415-011G, B22020415-013A, B22020415-016D, B22020415-017G, B22020415-019A, B22020415-022G, B22020415-024A, B22020415-027G, B22020415-029A, B22020415-032G, B22020415-034A**

Run ID: Run Order: PE 1_220209A: 14 **SampType:** Sample Matrix Spike Duplicate **Batch ID:** R374604
Method: SW8015C **Analysis Date:** 02/09/2022 19:37 **Prep Date:**
Lab ID: B22020415-032GMSD **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
C6 to C10	164	20	170	0.0	97.0	78	122	161	2.2	20.0	
Total Purgeable Hydrocarbons	204	20	200	0.0	102.0	70	130	199	2.5	20.0	
Surr: Trifluorotoluene	23	1.0	25	0.0	93.0	70	130	0.0			

Associated Samples: **B22020415-001G, B22020415-003A, B22020415-006G, B22020415-008A, B22020415-011G, B22020415-013A, B22020415-016D, B22020415-017G, B22020415-019A, B22020415-022G, B22020415-024A, B22020415-027G, B22020415-029A, B22020415-032G, B22020415-034A**

Run ID: Run Order: GCFID-HP5-B_220209A: 1 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374488
Method: SW8015C **Analysis Date:** 02/09/2022 12:19 **Prep Date:**
Lab ID: CCV_0209HP504r-W **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH(Oil Range)	5.1	0.30	5.0		102.0	80	120				
Surr: n-Triacontane	0.19	0.0020	0.20		95.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GCFID-HP5-B_220209A: 2 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374488
Method: SW8015C **Analysis Date:** 02/09/2022 13:01 **Prep Date:**
Lab ID: CCV_0209HP505r **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (C10 to C24)	15	0.30	15		99.0	80	120				
Total Extractable Hydrocarbons	15	0.30	15		103.0	80	120				
Surr: o-Terphenyl	0.21	0.0020	0.20		104.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209A: 12 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374488
Method: SW8015C **Analysis Date:** 02/09/2022 23:01 **Prep Date:**
Lab ID: CCV_0209HP519r-W **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH(Oil Range)	4.9	0.30	5.0		98.0	80	120				
Surr: n-Triacontane	0.18	0.0020	0.20		91.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209A: 13 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374488
Method: SW8015C **Analysis Date:** 02/09/2022 23:45 **Prep Date:**
Lab ID: CCV_0209HP520r **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (C10 to C24)	15	0.30	15		99.0	80	120				
Total Extractable Hydrocarbons	15	0.30	15		102.0	80	120				
Surr: o-Terphenyl	0.21	0.0020	0.20		103.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GCFID-HP5-B_220209A: 18 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374488
Method: SW8015C **Analysis Date:** 02/10/2022 11:06 **Prep Date:**
Lab ID: CCV_0209HP535r-W **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH(Oil Range)	5.2	0.30	5.0		103.0	80	120				
Surr: n-Triacontane	0.19	0.0020	0.20		95.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209A: 19 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374488
Method: SW8015C **Analysis Date:** 02/10/2022 11:49 **Prep Date:**
Lab ID: CCV_0209HP536r **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (C10 to C24)	16	0.30	15		107.0	80	120				
Total Extractable Hydrocarbons	16	0.30	15		107.0	80	120				
Surr: o-Terphenyl	0.22	0.0020	0.20		108.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209A: 22 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374488
Method: SW8015C **Analysis Date:** 02/10/2022 22:33 **Prep Date:**
Lab ID: CCV_0209HP551r-W **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH(Oil Range)	5.1	0.30	5.0		103.0	80	120				
Surr: n-Triacontane	0.19	0.0020	0.20		96.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GCFID-HP5-B_220209A: 23 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374488
Method: SW8015C **Analysis Date:** 02/10/2022 23:16 **Prep Date:**
Lab ID: CCV_0209HP552r **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (C10 to C24)	16	0.30	15		104.0	80	120				
Total Extractable Hydrocarbons	16	0.30	15		108.0	80	120				
Surr: o-Terphenyl	0.22	0.0020	0.20		109.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-011D, B22020415-016B, B22020415-017D, B22020415-022D, B22020415-027D, B22020415-032D**

Run ID: Run Order: GCFID-HP5-B_220209B: 1 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374563
Method: SW8015C **Analysis Date:** 02/10/2022 11:06 **Prep Date:**
Lab ID: CCV_0209HP535r-W **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH(Oil Range)	5.2	0.30	5.0		103.0	80	120				
Surr: n-Triacontane	0.19	0.0020	0.20		95.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-016B, B22020415-022D, B22020415-027D**

Run ID: Run Order: GCFID-HP5-B_220209B: 2 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374563
Method: SW8015C **Analysis Date:** 02/10/2022 11:49 **Prep Date:**
Lab ID: CCV_0209HP536r **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (C10 to C24)	16	0.30	15		107.0	80	120				
Total Extractable Hydrocarbons	16	0.30	15		107.0	80	120				
Surr: o-Terphenyl	0.22	0.0020	0.20		108.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-016B, B22020415-022D, B22020415-027D**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GCFID-HP5-B_220209B: 11 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374563
Method: SW8015C **Analysis Date:** 02/10/2022 22:33 **Prep Date:**
Lab ID: CCV_0209HP551r-W **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH(Oil Range)	5.1	0.30	5.0		103.0	80	120				
Surr: n-Triacontane	0.19	0.0020	0.20		96.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-016B, B22020415-022D, B22020415-027D**

Run ID: Run Order: GCFID-HP5-B_220209B: 12 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374563
Method: SW8015C **Analysis Date:** 02/10/2022 23:16 **Prep Date:**
Lab ID: CCV_0209HP552r **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (C10 to C24)	16	0.30	15		104.0	80	120				
Total Extractable Hydrocarbons	16	0.30	15		108.0	80	120				
Surr: o-Terphenyl	0.22	0.0020	0.20		109.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-016B, B22020415-022D, B22020415-027D**

Run ID: Run Order: GCFID-HP5-B_220209B: 17 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374563
Method: SW8015C **Analysis Date:** 02/11/2022 10:33 **Prep Date:**
Lab ID: CCV_0209HP568r-W **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
TEH(Oil Range)	5.1	0.30	5.0		103.0	80	120				
Surr: n-Triacontane	0.19	0.0020	0.20		95.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-016B, B22020415-022D, B22020415-027D**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: GCFID-HP5-B_220209B: 18 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374563
Method: SW8015C **Analysis Date:** 02/11/2022 11:16 **Prep Date:**
Lab ID: CCV_0209HP569r **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diesel Range Organics (C10 to C24)	16	0.30	15		105.0	80	120				
Total Extractable Hydrocarbons	16	0.30	15		108.0	80	120				
Surr: o-Terphenyl	0.22	0.0020	0.20		110.0	80	120				

Associated Samples: **B22020415-001D, B22020415-006D, B22020415-016B, B22020415-022D, B22020415-027D**

Run ID: Run Order: PE 1_220209A: 2 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374604
Method: SW8015C **Analysis Date:** 02/09/2022 09:19 **Prep Date:**
Lab ID: CCV_0209PE104r **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
C6 to C10	169	20	168		101.0	80	120				
Total Purgeable Hydrocarbons	207	20	200		103.0	80	120				
Surr: Trifluorotoluene	24	1.0	25		96.0	80	120				

Associated Samples: **B22020415-001G, B22020415-003A, B22020415-006G, B22020415-008A, B22020415-011G, B22020415-013A, B22020415-016D, B22020415-017G, B22020415-019A, B22020415-022G, B22020415-024A, B22020415-027G, B22020415-029A, B22020415-032G, B22020415-034A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: PE 1_220209A: 16 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374604
Method: SW8015C **Analysis Date:** 02/09/2022 20:45 **Prep Date:**
Lab ID: CCV_0209PE124r **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
C6 to C10	165	20	168		98.0	80	120				
Total Purgeable Hydrocarbons	203	20	200		101.0	80	120				
Surr: Trifluorotoluene	22	1.0	25		90.0	80	120				

Associated Samples: **B22020415-001G, B22020415-003A, B22020415-006G, B22020415-008A, B22020415-011G, B22020415-013A, B22020415-016D, B22020415-017G, B22020415-019A, B22020415-022G, B22020415-024A, B22020415-027G, B22020415-029A, B22020415-032G, B22020415-034A**

Run ID: Run Order: PE 1_220209A: 27 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374604
Method: SW8015C **Analysis Date:** 02/10/2022 07:02 **Prep Date:**
Lab ID: CCV_0209PE142r **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
C6 to C10	161	20	168		96.0	80	120				
Total Purgeable Hydrocarbons	198	20	200		99.0	80	120				
Surr: Trifluorotoluene	23	1.0	25		92.0	80	120				

Associated Samples: **B22020415-001G, B22020415-003A, B22020415-006G, B22020415-008A, B22020415-011G, B22020415-013A, B22020415-016D, B22020415-017G, B22020415-019A, B22020415-022G, B22020415-024A, B22020415-027G, B22020415-029A, B22020415-032G, B22020415-034A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: FID-HEADSPACE_220209A: 4 **SampType:** Method Blank **Batch ID:** R374500
Method: SW8015M **Analysis Date:** 02/09/2022 10:30 **Prep Date:**
Lab ID: MBLK **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Methane	ND	0.0010			0.0						

Associated Samples: **B22020415-001I, B22020415-005A, B22020415-006I, B22020415-010A, B22020415-011I, B22020415-015A, B22020415-017I, B22020415-021A, B22020415-022I, B22020415-026A, B22020415-027I, B22020415-031A, B22020415-032I, B22020415-036A**

Run ID: Run Order: FID-HEADSPACE_220209A: 2 **SampType:** Laboratory Control Sample **Batch ID:** R374500
Method: SW8015M **Analysis Date:** 02/09/2022 09:19 **Prep Date:**
Lab ID: LCS **Units:** ppm **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Methane	97	2.0	100		97.0	85	115				

Associated Samples: **B22020415-001I, B22020415-005A, B22020415-006I, B22020415-010A, B22020415-011I, B22020415-015A, B22020415-017I, B22020415-021A, B22020415-022I, B22020415-026A, B22020415-027I, B22020415-031A, B22020415-032I, B22020415-036A**

Run ID: Run Order: FID-HEADSPACE_220209A: 3 **SampType:** Laboratory Control Sample Duplicate **Batch ID:** R374500
Method: SW8015M **Analysis Date:** 02/09/2022 09:23 **Prep Date:**
Lab ID: LCSD **Units:** ppm **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Methane	99	2.0	100		99.0	85	115	97	2.3	20.0	

Associated Samples: **B22020415-001I, B22020415-005A, B22020415-006I, B22020415-010A, B22020415-011I, B22020415-015A, B22020415-017I, B22020415-021A, B22020415-022I, B22020415-026A, B22020415-027I, B22020415-031A, B22020415-032I, B22020415-036A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: FID-HEADSPACE_220209A: 6 **SampType:** Sample Duplicate **Batch ID:** R374500
Method: SW8015M **Analysis Date:** 02/09/2022 10:45 **Prep Date:**
Lab ID: B22020415-001IDUP **Units:** mg/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Methane	0.0021	0.0020			0.0			0.0020	2.8	20.0	

Associated Samples: **B22020415-001I, B22020415-005A, B22020415-006I, B22020415-010A, B22020415-011I, B22020415-015A, B22020415-017I, B22020415-021A, B22020415-022I, B22020415-026A, B22020415-027I, B22020415-031A, B22020415-032I, B22020415-036A**

Run ID: Run Order: FID-HEADSPACE_220209A: 1 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374500
Method: SW8015M **Analysis Date:** 02/09/2022 09:14 **Prep Date:**
Lab ID: CCV **Units:** ppm **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Methane	100	2.0	100		101.0	85	115				

Associated Samples: **B22020415-001I, B22020415-005A, B22020415-006I, B22020415-010A, B22020415-011I, B22020415-015A, B22020415-017I, B22020415-021A, B22020415-022I, B22020415-026A, B22020415-027I, B22020415-031A, B22020415-032I, B22020415-036A**

Run ID: Run Order: FID-HEADSPACE_220209A: 20 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374500
Method: SW8015M **Analysis Date:** 02/09/2022 12:47 **Prep Date:**
Lab ID: CCV **Units:** ppm **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Methane	100	2.0	100		100.0	85	115				

Associated Samples: **B22020415-001I, B22020415-005A, B22020415-006I, B22020415-010A, B22020415-011I, B22020415-015A, B22020415-017I, B22020415-021A, B22020415-022I, B22020415-026A, B22020415-027I, B22020415-031A, B22020415-032I, B22020415-036A**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218A: 14 **SampType:** Method Blank **Batch ID:** 163621
Method: SW8270C **Analysis Date:** 02/19/2022 13:56 **Prep Date:** 02/09/2022 08:18
Lab ID: MB-163621 **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	ND	5.0									
1,2-Dichlorobenzene	ND	5.0									
1,3-Dichlorobenzene	ND	5.0									
1,4-Dichlorobenzene	ND	5.0									
2,4,5-Trichlorophenol	ND	5.0									
2,4,6-Trichlorophenol	ND	5.0									
2,4-Dichlorophenol	ND	5.0									
2,4-Dimethylphenol	ND	5.0									
2,4-Dinitrophenol	ND	10									
2,4-Dinitrotoluene	ND	5.0									
2,6-Dinitrotoluene	ND	5.0									
2-Chloronaphthalene	ND	5.0									
2-Chlorophenol	ND	5.0									
2-Nitrophenol	ND	5.0									
3,3´-Dichlorobenzidine	ND	10									
4,6-Dinitro-2-methylphenol	ND	10									
4-Bromophenyl phenyl ether	ND	5.0									
4-Chloro-3-methylphenol	ND	5.0									
4-Chlorophenol	ND	5.0									
4-Chlorophenyl phenyl ether	ND	5.0									
4-Nitrophenol	ND	10									
Azobenzene	ND	5.0									
bis(-2-chloroethoxy)Methane	ND	5.0									
bis(-2-chloroethyl)Ether	ND	5.0									
bis(2-chloroisopropyl)Ether	ND	5.0									
bis(2-ethylhexyl)Phthalate	ND	5.0									
Butylbenzylphthalate	ND	5.0									

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218A: 14 **SampType:** Method Blank **Batch ID:** 163621
Method: SW8270C **Analysis Date:** 02/19/2022 13:56 **Prep Date:** 02/09/2022 08:18
Lab ID: MB-163621 **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diethyl phthalate	ND	5.0									
Dimethyl phthalate	ND	5.0									
Di-n-butyl phthalate	ND	5.0									
Di-n-octyl phthalate	ND	5.0									
Hexachlorobenzene	ND	5.0									
Hexachlorobutadiene	ND	5.0									
Hexachlorocyclopentadiene	ND	5.0									
Hexachloroethane	ND	5.0									
Isophorone	ND	5.0									
m+p-Cresols	ND	5.0									
Nitrobenzene	ND	5.0									
n-Nitrosodimethylamine	ND	5.0									
n-Nitroso-di-n-propylamine	ND	5.0									
n-Nitrosodiphenylamine	ND	10									
o-Cresol	ND	5.0									
Pentachlorophenol	ND	10									
Phenol	ND	5.0									
Pyridine	ND	5.0									
Surr: 2,4,6-Tribromophenol	157	5.0	200		79.0	43	140				
Surr: 2-Fluorobiphenyl	62	5.0	100		62.0	44	119				
Surr: 2-Fluorophenol	68	5.0	200		34.0	19	119				
Surr: Nitrobenzene-d5	62	5.0	100		62.0	44	120				
Surr: Phenol-d5	67	5.0	200		33.0	10	65				
Surr: Terphenyl-d14	102	5.0	100		102.0	50	134				

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C, B22020415-027C, B22020415-032C**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218A: 15 **SampType:** Laboratory Control Sample **Batch ID:** 163621
Method: SW8270C **Analysis Date:** 02/19/2022 14:28 **Prep Date:** 02/09/2022 08:18
Lab ID: LCS-163621 **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	72	10	100		72.0	29	116				
1,2-Dichlorobenzene	68	10	100		68.0	32	111				
1,3-Dichlorobenzene	69	10	100		69.0	28	110				
1,4-Dichlorobenzene	67	10	100		67.0	29	112				
2,4,5-Trichlorophenol	85	10	100		85.0	53	123				
2,4,6-Trichlorophenol	91	10	100		91.0	50	125				
2,4-Dichlorophenol	77	10	100		77.0	47	121				
2,4-Dimethylphenol	80	10	100		80.0	31	124				
2,4-Dinitrophenol	93	10	100		93.0	23	142				
2,4-Dinitrotoluene	89	10	100		89.0	57	128				
2,6-Dinitrotoluene	80	10	100		80.0	50	118				
2-Chloronaphthalene	86	10	100		86.0	40	116				
2-Chlorophenol	69	10	100		69.0	38	117				
2-Nitrophenol	85	10	100		85.0	47	123				
3,3´-Dichlorobenzidine	72	10	100		72.0	27	129				
4,6-Dinitro-2-methylphenol	85	10	100		85.0	44	137				
4-Bromophenyl phenyl ether	89	10	100		89.0	55	124				
4-Chloro-3-methylphenol	82	10	100		82.0	52	119				
4-Chlorophenol	70	10	100		70.0	41	81				
4-Chlorophenyl phenyl ether	96	10	100		96.0	53	121				
4-Nitrophenol	41	10	100		41.0	15	36				S
Azobenzene	80	10	100		80.0	61	116				
bis(-2-chloroethoxy)Methane	81	10	100		81.0	48	120				
bis(-2-chloroethyl)Ether	75	10	100		75.0	43	118				
bis(2-chloroisopropyl)Ether	67	10	100		67.0	37	130				
bis(2-ethylhexyl)Phthalate	96	10	100		96.0	55	135				
Butylbenzylphthalate	95	10	100		95.0	53	134				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218A: 15 **SampType:** Laboratory Control Sample **Batch ID:** 163621
Method: SW8270C **Analysis Date:** 02/19/2022 14:28 **Prep Date:** 02/09/2022 08:18
Lab ID: LCS-163621 **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diethyl phthalate	91	10	100		91.0	56	125				
Dimethyl phthalate	96	10	100		96.0	45	127				
Di-n-butyl phthalate	95	10	100		95.0	59	127				
Di-n-octyl phthalate	91	10	100		91.0	51	140				
Hexachlorobenzene	85	10	100		85.0	53	125				
Hexachlorobutadiene	75	10	100		75.0	22	124				
Hexachlorocyclopentadiene	79	10	100		79.0	39	91				
Hexachloroethane	66	10	100		66.0	21	115				
Isophorone	78	10	100		78.0	42	124				
m+p-Cresols	80	10	100		80.0	29	110				
Nitrobenzene	89	10	100		89.0	45	121				
n-Nitrosodimethylamine	50	10	100		50.0	20	45				S
n-Nitroso-di-n-propylamine	95	10	100		95.0	49	119				
n-Nitrosodiphenylamine	87	10	100		87.0	51	123				
o-Cresol	77	10	100		77.0	30	117				
Pentachlorophenol	96	10	100		96.0	35	138				
Phenol	49	10	100		49.0	37	75				
Pyridine	36	10	100		36.0	16	45				
Surr: 2,4,6-Tribromophenol	174	10	200		87.0	43	140				
Surr: 2-Fluorobiphenyl	73	10	100		73.0	44	119				
Surr: 2-Fluorophenol	79	10	200		40.0	19	119				
Surr: Nitrobenzene-d5	78	10	100		78.0	44	120				
Surr: Phenol-d5	83	10	200		42.0	10	65				
Surr: Terphenyl-d14	94	10	100		94.0	50	134				

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C, B22020415-027C, B22020415-032C**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218A: 16 **SampType:** Laboratory Control Sample Duplicate **Batch ID:** 163621
Method: SW8270C **Analysis Date:** 02/19/2022 15:01 **Prep Date:** 02/09/2022 08:19
Lab ID: LCSD-163621 **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	72	10	100		72.0	29	116	72	0.5	20.0	
1,2-Dichlorobenzene	65	10	100		65.0	32	111	68	3.6	20.0	
1,3-Dichlorobenzene	66	10	100		66.0	28	110	69	3.8	20.0	
1,4-Dichlorobenzene	66	10	100		66.0	29	112	67	1.4	20.0	
2,4,5-Trichlorophenol	78	10	100		78.0	53	123	85	8.3	20.0	
2,4,6-Trichlorophenol	85	10	100		85.0	50	125	91	6.6	20.0	
2,4-Dichlorophenol	75	10	100		75.0	47	121	77	2.9	20.0	
2,4-Dimethylphenol	81	10	100		81.0	31	124	80	1.8	20.0	
2,4-Dinitrophenol	80	10	100		80.0	23	142	93	15.0	20.0	
2,4-Dinitrotoluene	91	10	100		91.0	57	128	89	1.9	20.0	
2,6-Dinitrotoluene	84	10	100		84.0	50	118	80	4.3	20.0	
2-Chloronaphthalene	87	10	100		87.0	40	116	86	1.5	20.0	
2-Chlorophenol	69	10	100		69.0	38	117	69	0.0	20.0	
2-Nitrophenol	81	10	100		81.0	47	123	85	5.7	20.0	
3,3´-Dichlorobenzidine	76	10	100		76.0	27	129	72	6.3	20.0	
4,6-Dinitro-2-methylphenol	93	10	100		93.0	44	137	85	7.9	20.0	
4-Bromophenyl phenyl ether	96	10	100		96.0	55	124	89	7.6	20.0	
4-Chloro-3-methylphenol	85	10	100		85.0	52	119	82	4.1	20.0	
4-Chlorophenol	67	10	100		67.0	41	81	70	5.1	20.0	
4-Chlorophenyl phenyl ether	95	10	100		95.0	53	121	96	1.2	20.0	
4-Nitrophenol	38	10	100		38.0	15	36	41	7.2	20.0	S
Azobenzene	87	10	100		87.0	61	116	80	8.9	20.0	
bis(-2-chloroethoxy)Methane	81	10	100		81.0	48	120	81	0.3	20.0	
bis(-2-chloroethyl)Ether	77	10	100		77.0	43	118	75	3.2	20.0	
bis(2-chloroisopropyl)Ether	69	10	100		69.0	37	130	67	1.8	20.0	
bis(2-ethylhexyl)Phthalate	98	10	100		98.0	55	135	96	1.5	20.0	
Butylbenzylphthalate	96	10	100		96.0	53	134	95	0.4	20.0	

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218A: 16 **SampType:** Laboratory Control Sample Duplicate **Batch ID:** 163621
Method: SW8270C **Analysis Date:** 02/19/2022 15:01 **Prep Date:** 02/09/2022 08:19
Lab ID: LCSD-163621 **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diethyl phthalate	90	10	100		90.0	56	125	91	0.5	20.0	
Dimethyl phthalate	97	10	100		97.0	45	127	96	0.8	20.0	
Di-n-butyl phthalate	103	10	100		103.0	59	127	95	8.5	20.0	
Di-n-octyl phthalate	98	10	100		98.0	51	140	91	6.8	20.0	
Hexachlorobenzene	96	10	100		96.0	53	125	85	13.0	20.0	
Hexachlorobutadiene	73	10	100		73.0	22	124	75	1.9	20.0	
Hexachlorocyclopentadiene	79	10	100		79.0	39	91	79	0.2	20.0	
Hexachloroethane	64	10	100		64.0	21	115	66	2.6	20.0	
Isophorone	79	10	100		79.0	42	124	78	1.3	20.0	
m+p-Cresols	79	10	100		79.0	29	110	80	1.3	20.0	
Nitrobenzene	90	10	100		90.0	45	121	89	1.9	20.0	
n-Nitrosodimethylamine	52	10	100		52.0	20	45	50	4.5	20.0	S
n-Nitroso-di-n-propylamine	100	10	100		100.0	49	119	95	4.6	20.0	
n-Nitrosodiphenylamine	99	10	100		99.0	51	123	87	13.0	20.0	
o-Cresol	76	10	100		76.0	30	117	77	1.0	20.0	
Pentachlorophenol	103	10	100		103.0	35	138	96	6.9	20.0	
Phenol	51	10	100		51.0	37	75	49	3.5	20.0	
Pyridine	37	10	100		37.0	16	45	36	3.6	20.0	
Surr: 2,4,6-Tribromophenol	183	10	200		91.0	43	140	0.0	0.0		
Surr: 2-Fluorobiphenyl	69	10	100		69.0	44	119	0.0	0.0		
Surr: 2-Fluorophenol	79	10	200		39.0	19	119	0.0	0.0		
Surr: Nitrobenzene-d5	77	10	100		77.0	44	120	0.0	0.0		
Surr: Phenol-d5	86	10	200		43.0	10	65	0.0	0.0		
Surr: Terphenyl-d14	101	10	100		101.0	50	134	0.0	0.0		

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C, B22020415-027C, B22020415-032C**

- Insufficient sample was submitted to perform a Matrix Spike/Duplicate, so a Laboratory Control Sample Duplicate is included in the reporting package to assess precision.

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218A: 25 **SampType:** Sample Matrix Spike **Batch ID:** 163621
Method: SW8270C **Analysis Date:** 02/19/2022 19:52 **Prep Date:** 02/09/2022 08:20
Lab ID: B22020415-017CMS **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	64	10	95	0.0	67.0	29	116				
1,2-Dichlorobenzene	55	10	95	0.0	58.0	32	111				
1,3-Dichlorobenzene	52	10	95	0.0	54.0	28	110				
1,4-Dichlorobenzene	53	10	95	0.0	56.0	29	112				
2,4,5-Trichlorophenol	78	10	95	0.0	82.0	53	123				
2,4,6-Trichlorophenol	84	10	95	0.0	88.0	50	125				
2,4-Dichlorophenol	70	10	95	0.0	73.0	47	121				
2,4-Dimethylphenol	67	10	95	0.0	70.0	31	124				
2,4-Dinitrophenol	90	10	95	0.0	94.0	23	142				
2,4-Dinitrotoluene	93	10	95	0.0	97.0	57	128				
2,6-Dinitrotoluene	80	10	95	0.0	84.0	50	118				
2-Chloronaphthalene	79	10	95	0.0	83.0	40	116				
2-Chlorophenol	57	10	95	0.0	60.0	38	117				
2-Nitrophenol	77	10	95	0.0	81.0	47	123				
3,3´-Dichlorobenzidine	73	10	95	0.0	76.0	27	129				
4,6-Dinitro-2-methylphenol	87	10	95	0.0	91.0	44	137				
4-Bromophenyl phenyl ether	86	10	95	0.0	91.0	55	124				
4-Chloro-3-methylphenol	80	10	95	0.0	84.0	52	119				
4-Chlorophenol	60	10	95	0.0	63.0	41	81				
4-Chlorophenyl phenyl ether	93	10	95	0.0	98.0	53	121				
4-Nitrophenol	40	10	95	0.0	42.0	15	36				S
Azobenzene	75	10	95	0.0	79.0	61	116				
bis(-2-chloroethoxy)Methane	70	10	95	0.0	74.0	48	120				
bis(-2-chloroethyl)Ether	64	10	95	0.0	68.0	43	118				
bis(2-chloroisopropyl)Ether	59	10	95	0.0	62.0	37	130				
bis(2-ethylhexyl)Phthalate	103	10	95	0.0	108.0	55	135				
Butylbenzylphthalate	99	10	95	0.0	104.0	53	134				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218A: 25 **SampType:** Sample Matrix Spike **Batch ID:** 163621
Method: SW8270C **Analysis Date:** 02/19/2022 19:52 **Prep Date:** 02/09/2022 08:20
Lab ID: B22020415-017CMS **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diethyl phthalate	93	10	95	0.0	98.0	56	125				
Dimethyl phthalate	97	10	95	0.0	102.0	45	127				
Di-n-butyl phthalate	97	10	95	0.0	102.0	59	127				
Di-n-octyl phthalate	96	10	95	0.0	101.0	51	140				
Hexachlorobenzene	82	10	95	0.0	87.0	53	125				
Hexachlorobutadiene	60	10	95	0.0	63.0	22	124				
Hexachlorocyclopentadiene	59	10	95	0.0	62.0	39	91				
Hexachloroethane	52	10	95	0.0	54.0	21	115				
Isophorone	74	10	95	0.0	77.0	42	124				
m+p-Cresols	61	10	95	0.0	64.0	29	110				
Nitrobenzene	65	10	95	0.0	69.0	45	121				
n-Nitrosodimethylamine	39	10	95	0.0	41.0	20	45				
n-Nitroso-di-n-propylamine	83	10	95	0.0	87.0	49	119				
n-Nitrosodiphenylamine	89	10	95	0.0	94.0	51	123				
o-Cresol	64	10	95	0.0	67.0	30	117				
Pentachlorophenol	97	10	95	0.0	102.0	35	138				
Phenol	38	10	95	0.0	40.0	37	75				
Pyridine	19	10	95	0.0	20.0	16	45				
Surr: 2,4,6-Tribromophenol	172	10	190	0.0	90.0	43	140				
Surr: 2-Fluorobiphenyl	71	10	95	0.0	75.0	44	119				
Surr: 2-Fluorophenol	62	10	190	0.0	33.0	19	119				
Surr: Nitrobenzene-d5	64	10	95	0.0	67.0	44	120				
Surr: Phenol-d5	72	10	190	0.0	38.0	10	65				
Surr: Terphenyl-d14	94	10	95	0.0	99.0	50	134				

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C, B22020415-027C, B22020415-032C**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218B: 6 **SampType:** Sample Matrix Spike **Batch ID:** 163621
Method: SW8270C **Analysis Date:** 02/19/2022 23:59 **Prep Date:** 02/09/2022 08:20
Lab ID: B22020415-032CMS **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	70	10	97	0.0	72.0	29	116				
1,2-Dichlorobenzene	62	10	97	0.0	64.0	32	111				
1,3-Dichlorobenzene	57	10	97	0.0	59.0	28	110				
1,4-Dichlorobenzene	58	10	97	0.0	59.0	29	112				
2,4,5-Trichlorophenol	77	10	97	0.0	79.0	53	123				
2,4,6-Trichlorophenol	81	10	97	0.0	84.0	50	125				
2,4-Dichlorophenol	73	10	97	0.0	75.0	47	121				
2,4-Dimethylphenol	68	10	97	0.0	70.0	31	124				
2,4-Dinitrophenol	85	10	97	0.0	88.0	23	142				
2,4-Dinitrotoluene	86	10	97	0.0	88.0	57	128				
2,6-Dinitrotoluene	77	10	97	0.0	79.0	50	118				
2-Chloronaphthalene	82	10	97	0.0	84.0	40	116				
2-Chlorophenol	63	10	97	0.0	65.0	38	117				
2-Nitrophenol	75	10	97	0.0	77.0	47	123				
3,3´-Dichlorobenzidine	71	10	97	0.0	73.0	27	129				
4,6-Dinitro-2-methylphenol	89	10	97	0.0	91.0	44	137				
4-Bromophenyl phenyl ether	81	10	97	0.0	84.0	55	124				
4-Chloro-3-methylphenol	79	10	97	0.0	81.0	52	119				
4-Chlorophenol	66	10	97	0.0	68.0	41	81				
4-Chlorophenyl phenyl ether	81	10	97	0.0	83.0	53	121				
4-Nitrophenol	36	10	97	0.0	37.0	15	36				S
Azobenzene	78	10	97	0.0	80.0	61	116				
bis(-2-chloroethoxy)Methane	75	10	97	0.0	77.0	48	120				
bis(-2-chloroethyl)Ether	66	10	97	0.0	68.0	43	118				
bis(2-chloroisopropyl)Ether	62	10	97	0.0	64.0	37	130				
bis(2-ethylhexyl)Phthalate	94	10	97	0.0	96.0	55	135				
Butylbenzylphthalate	91	10	97	0.0	94.0	53	134				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218B: 6 **SampType:** Sample Matrix Spike **Batch ID:** 163621
Method: SW8270C **Analysis Date:** 02/19/2022 23:59 **Prep Date:** 02/09/2022 08:20
Lab ID: B22020415-032CMS **Units:** ug/L **Prep Method:** SW3510C

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diethyl phthalate	96	10	97	0.0	99.0	56	125				
Dimethyl phthalate	94	10	97	0.0	97.0	45	127				
Di-n-butyl phthalate	92	10	97	0.0	95.0	59	127				
Di-n-octyl phthalate	91	10	97	0.0	93.0	51	140				
Hexachlorobenzene	81	10	97	0.0	84.0	53	125				
Hexachlorobutadiene	65	10	97	0.0	67.0	22	124				
Hexachlorocyclopentadiene	63	10	97	0.0	65.0	39	91				
Hexachloroethane	55	10	97	0.0	57.0	21	115				
Isophorone	79	10	97	0.0	81.0	42	124				
m+p-Cresols	64	10	97	0.0	66.0	29	110				
Nitrobenzene	67	10	97	0.0	69.0	45	121				
n-Nitrosodimethylamine	49	10	97	0.0	50.0	20	45				S
n-Nitroso-di-n-propylamine	82	10	97	0.0	84.0	49	119				
n-Nitrosodiphenylamine	83	10	97	0.0	86.0	51	123				
o-Cresol	67	10	97	0.0	69.0	30	117				
Pentachlorophenol	95	10	97	0.0	98.0	35	138				
Phenol	38	10	97	0.0	40.0	37	75				
Pyridine	30	10	97	0.0	31.0	16	45				
Surr: 2,4,6-Tribromophenol	168	10	194	0.0	86.0	43	140				
Surr: 2-Fluorobiphenyl	68	10	97	0.0	70.0	44	119				
Surr: 2-Fluorophenol	68	10	194	0.0	35.0	19	119				
Surr: Nitrobenzene-d5	68	10	97	0.0	70.0	44	120				
Surr: Phenol-d5	71	10	194	0.0	37.0	10	65				
Surr: Terphenyl-d14	90	10	97	0.0	93.0	50	134				

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C, B22020415-027C, B22020415-032C**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218A: 10 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374941
Method: SW8270C **Analysis Date:** 02/19/2022 12:20 **Prep Date:**
Lab ID: 18-Feb-22_CCV_9 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	80	10	75		107.0	80	120				
1,2-Dichlorobenzene	82	10	75		109.0	80	120				
1,3-Dichlorobenzene	82	10	75		109.0	80	120				
1,4-Dichlorobenzene	81	10	75		108.0	80	120				
2,4,5-Trichlorophenol	73	10	75		97.0	80	120				
2,4,6-Trichlorophenol	72	10	75		97.0	80	120				
2,4-Dichlorophenol	78	10	75		104.0	80	120				
2,4-Dimethylphenol	78	10	75		103.0	80	120				
2,4-Dinitrophenol	73	10	75		98.0	80	120				
2,4-Dinitrotoluene	79	10	75		106.0	80	120				
2,6-Dinitrotoluene	74	10	75		99.0	80	120				
2-Chloronaphthalene	82	10	75		110.0	80	120				
2-Chlorophenol	81	10	75		109.0	80	120				
2-Nitrophenol	79	10	75		105.0	80	120				
3,3´-Dichlorobenzidine	68	10	75		90.0	80	120				
4,6-Dinitro-2-methylphenol	70	10	75		93.0	80	120				
4-Bromophenyl phenyl ether	76	10	75		101.0	80	120				
4-Chloro-3-methylphenol	80	10	75		107.0	80	120				
4-Chlorophenol	80	10	75		107.0	80	120				
4-Chlorophenyl phenyl ether	73	10	75		98.0	80	120				
4-Nitrophenol	77	10	75		103.0	80	120				
Azobenzene	77	10	75		103.0	80	120				
bis(-2-chloroethoxy)Methane	72	10	75		95.0	80	120				
bis(-2-chloroethyl)Ether	81	10	75		109.0	80	120				
bis(2-chloroisopropyl)Ether	67	10	75		89.0	80	120				
bis(2-ethylhexyl)Phthalate	78	10	75		104.0	80	120				
Butylbenzylphthalate	81	10	75		107.0	80	120				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218A: 10 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374941
Method: SW8270C **Analysis Date:** 02/19/2022 12:20 **Prep Date:**
Lab ID: 18-Feb-22_CCV_9 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diethyl phthalate	82	10	75		109.0	80	120				
Dimethyl phthalate	84	10	75		112.0	80	120				
Di-n-butyl phthalate	79	10	75		105.0	80	120				
Di-n-octyl phthalate	79	10	75		105.0	80	120				
Hexachlorobenzene	75	10	75		100.0	80	120				
Hexachlorobutadiene	79	10	75		105.0	80	120				
Hexachlorocyclopentadiene	73	10	75		98.0	80	120				
Hexachloroethane	77	10	75		103.0	80	120				
Isophorone	73	10	75		97.0	80	120				
m+p-Cresols	78	10	75		104.0	80	120				
Nitrobenzene	73	10	75		97.0	80	120				
n-Nitrosodimethylamine	85	10	75		113.0	80	120				
n-Nitroso-di-n-propylamine	83	10	75		111.0	80	120				
n-Nitrosodiphenylamine	82	10	75		110.0	80	120				
o-Cresol	80	10	75		107.0	80	120				
Pentachlorophenol	81	10	75		108.0	80	120				
Phenol	84	10	75		112.0	80	120				
Pyridine	85	10	75		114.0	80	120				
Surr: 2,4,6-Tribromophenol	74	10	75		99.0	80	120				
Surr: 2-Fluorobiphenyl	68	10	75		90.0	80	120				
Surr: 2-Fluorophenol	82	10	75		109.0	80	120				
Surr: Nitrobenzene-d5	72	10	75		95.0	80	120				
Surr: Phenol-d5	78	10	75		104.0	80	120				
Surr: Terphenyl-d14	72	10	75		97.0	80	120				

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218A: 27 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374941
Method: SW8270C **Analysis Date:** 02/19/2022 20:57 **Prep Date:**
Lab ID: 18-Feb-22_CCV_25 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	78	10	75		104.0	50	150				
1,2-Dichlorobenzene	79	10	75		105.0	50	150				
1,3-Dichlorobenzene	83	10	75		110.0	50	150				
1,4-Dichlorobenzene	85	10	75		114.0	50	150				
2,4,5-Trichlorophenol	82	10	75		109.0	50	150				
2,4,6-Trichlorophenol	84	10	75		112.0	50	150				
2,4-Dichlorophenol	80	10	75		107.0	50	150				
2,4-Dimethylphenol	78	10	75		103.0	50	150				
2,4-Dinitrophenol	85	10	75		113.0	50	150				
2,4-Dinitrotoluene	80	10	75		106.0	50	150				
2,6-Dinitrotoluene	75	10	75		100.0	50	150				
2-Chloronaphthalene	79	10	75		105.0	50	150				
2-Chlorophenol	83	10	75		110.0	50	150				
2-Nitrophenol	86	10	75		115.0	50	150				
3,3´-Dichlorobenzidine	79	10	75		105.0	50	150				
4,6-Dinitro-2-methylphenol	85	10	75		113.0	50	150				
4-Bromophenyl phenyl ether	84	10	75		112.0	50	150				
4-Chloro-3-methylphenol	83	10	75		110.0	50	150				
4-Chlorophenol	85	10	75		113.0	50	150				
4-Chlorophenyl phenyl ether	82	10	75		109.0	50	150				
4-Nitrophenol	80	10	75		107.0	50	150				
Azobenzene	78	10	75		104.0	50	150				
bis(-2-chloroethoxy)Methane	79	10	75		105.0	50	150				
bis(-2-chloroethyl)Ether	81	10	75		107.0	50	150				
bis(2-chloroisopropyl)Ether	82	10	75		109.0	50	150				
bis(2-ethylhexyl)Phthalate	86	10	75		115.0	50	150				
Butylbenzylphthalate	85	10	75		113.0	50	150				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218A: 27 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374941
Method: SW8270C **Analysis Date:** 02/19/2022 20:57 **Prep Date:**
Lab ID: 18-Feb-22_CCV_25 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diethyl phthalate	79	10	75		105.0	50	150				
Dimethyl phthalate	82	10	75		109.0	50	150				
Di-n-butyl phthalate	87	10	75		115.0	50	150				
Di-n-octyl phthalate	82	10	75		110.0	50	150				
Hexachlorobenzene	86	10	75		115.0	50	150				
Hexachlorobutadiene	83	10	75		110.0	50	150				
Hexachlorocyclopentadiene	78	10	75		104.0	50	150				
Hexachloroethane	79	10	75		105.0	50	150				
Isophorone	83	10	75		111.0	50	150				
m+p-Cresols	88	10	75		117.0	50	150				
Nitrobenzene	91	10	75		121.0	50	150				
n-Nitrosodimethylamine	77	10	75		103.0	50	150				
n-Nitroso-di-n-propylamine	89	10	75		119.0	50	150				
n-Nitrosodiphenylamine	82	10	75		110.0	50	150				
o-Cresol	79	10	75		106.0	50	150				
Pentachlorophenol	86	10	75		114.0	50	150				
Phenol	78	10	75		104.0	50	150				
Pyridine	74	10	75		98.0	50	150				
Surr: 2,4,6-Tribromophenol	84	10	75		112.0	50	150				
Surr: 2-Fluorobiphenyl	82	10	75		109.0	50	150				
Surr: 2-Fluorophenol	79	10	75		106.0	50	150				
Surr: Nitrobenzene-d5	80	10	75		107.0	50	150				
Surr: Phenol-d5	80	10	75		106.0	50	150				
Surr: Terphenyl-d14	79	10	75		105.0	50	150				

Associated Samples: **B22020415-001C, B22020415-006C, B22020415-011C, B22020415-016A, B22020415-017C, B22020415-022C**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218B: 2 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374943
Method: SW8270C **Analysis Date:** 02/19/2022 21:50 **Prep Date:**
Lab ID: 18-Feb-22_CCV_27 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	80	10	75		107.0	70	130				
1,2-Dichlorobenzene	76	10	75		102.0	70	130				
1,3-Dichlorobenzene	80	10	75		106.0	70	130				
1,4-Dichlorobenzene	78	10	75		103.0	80	120				
2,4,5-Trichlorophenol	80	10	75		107.0	70	130				
2,4,6-Trichlorophenol	85	10	75		113.0	80	120				
2,4-Dichlorophenol	79	10	75		105.0	80	120				
2,4-Dimethylphenol	74	10	75		99.0	70	130				
2,4-Dinitrophenol	82	10	75		109.0	70	130				
2,4-Dinitrotoluene	80	10	75		107.0	70	130				
2,6-Dinitrotoluene	75	10	75		100.0	70	130				
2-Chloronaphthalene	78	10	75		105.0	70	130				
2-Chlorophenol	78	10	75		104.0	70	130				
2-Nitrophenol	83	10	75		111.0	80	120				
3,3´-Dichlorobenzidine	81	10	75		108.0	70	130				
4,6-Dinitro-2-methylphenol	84	10	75		112.0	70	130				
4-Bromophenyl phenyl ether	81	10	75		107.0	70	130				
4-Chloro-3-methylphenol	80	10	75		107.0	80	120				
4-Chlorophenol	81	10	75		108.0	70	130				
4-Chlorophenyl phenyl ether	83	10	75		111.0	70	130				
4-Nitrophenol	85	10	75		113.0	70	130				
Azobenzene	77	10	75		102.0	70	130				
bis(-2-chloroethoxy)Methane	75	10	75		100.0	70	130				
bis(-2-chloroethyl)Ether	80	10	75		107.0	70	130				
bis(2-chloroisopropyl)Ether	77	10	75		103.0	70	130				
bis(2-ethylhexyl)Phthalate	84	10	75		113.0	70	130				
Butylbenzylphthalate	82	10	75		110.0	70	130				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218B: 2 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374943
Method: SW8270C **Analysis Date:** 02/19/2022 21:50 **Prep Date:**
Lab ID: 18-Feb-22_CCV_27 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diethyl phthalate	79	10	75		105.0	70	130				
Dimethyl phthalate	83	10	75		110.0	70	130				
Di-n-butyl phthalate	86	10	75		114.0	70	130				
Di-n-octyl phthalate	83	10	75		111.0	80	120				
Hexachlorobenzene	83	10	75		110.0	70	130				
Hexachlorobutadiene	83	10	75		111.0	80	120				
Hexachlorocyclopentadiene	84	10	75		112.0	70	130				
Hexachloroethane	77	10	75		103.0	70	130				
Isophorone	81	10	75		108.0	70	130				
m+p-Cresols	82	10	75		109.0	70	130				
Nitrobenzene	85	10	75		113.0	70	130				
n-Nitrosodimethylamine	89	10	75		118.0	70	130				
n-Nitroso-di-n-propylamine	88	10	75		117.0	70	130				
n-Nitrosodiphenylamine	79	10	75		105.0	80	120				
o-Cresol	77	10	75		102.0	70	130				
Pentachlorophenol	85	10	75		113.0	80	120				
Phenol	77	10	75		103.0	80	120				
Pyridine	80	10	75		107.0	70	130				
Surr: 2,4,6-Tribromophenol	84	10	75		112.0	70	130				
Surr: 2-Fluorobiphenyl	80	10	75		106.0	70	130				
Surr: 2-Fluorophenol	79	10	75		105.0	70	130				
Surr: Nitrobenzene-d5	79	10	75		106.0	70	130				
Surr: Phenol-d5	77	10	75		103.0	70	130				
Surr: Terphenyl-d14	78	10	75		105.0	70	130				

Associated Samples: **B22020415-027C, B22020415-032C**

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218B: 17 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374943
Method: SW8270C **Analysis Date:** 02/20/2022 05:53 **Prep Date:**
Lab ID: 18-Feb-22_CCV_42 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
1,2,4-Trichlorobenzene	83	10	75		111.0	50	150				
1,2-Dichlorobenzene	84	10	75		112.0	50	150				
1,3-Dichlorobenzene	78	10	75		104.0	50	150				
1,4-Dichlorobenzene	80	10	75		107.0	50	150				
2,4,5-Trichlorophenol	78	10	75		104.0	50	150				
2,4,6-Trichlorophenol	77	10	75		103.0	50	150				
2,4-Dichlorophenol	81	10	75		108.0	50	150				
2,4-Dimethylphenol	70	10	75		94.0	50	150				
2,4-Dinitrophenol	73	10	75		98.0	50	150				
2,4-Dinitrotoluene	84	10	75		112.0	50	150				
2,6-Dinitrotoluene	79	10	75		105.0	50	150				
2-Chloronaphthalene	84	10	75		111.0	50	150				
2-Chlorophenol	80	10	75		107.0	50	150				
2-Nitrophenol	76	10	75		102.0	50	150				
3,3´-Dichlorobenzidine	78	10	75		104.0	50	150				
4,6-Dinitro-2-methylphenol	75	10	75		100.0	50	150				
4-Bromophenyl phenyl ether	74	10	75		99.0	50	150				
4-Chloro-3-methylphenol	79	10	75		105.0	50	150				
4-Chlorophenol	83	10	75		111.0	50	150				
4-Chlorophenyl phenyl ether	74	10	75		99.0	50	150				
4-Nitrophenol	79	10	75		105.0	50	150				
Azobenzene	81	10	75		108.0	50	150				
bis(-2-chloroethoxy)Methane	77	10	75		102.0	50	150				
bis(-2-chloroethyl)Ether	79	10	75		105.0	50	150				
bis(2-chloroisopropyl)Ether	80	10	75		107.0	50	150				
bis(2-ethylhexyl)Phthalate	82	10	75		109.0	50	150				
Butylbenzylphthalate	81	10	75		109.0	50	150				

Analytical QC Summary Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Run ID: Run Order: SV5973N.I_220218B: 17 **SampType:** Continuing Calibration Verification Standard **Batch ID:** R374943
Method: SW8270C **Analysis Date:** 02/20/2022 05:53 **Prep Date:**
Lab ID: 18-Feb-22_CCV_42 **Units:** ug/L **Prep Method:**

Analytes	Result	LOQ	Spk value	Spk RefVal	%REC	LowLimit	HighLimit	RPD RefVal	%RPD	RPDLimit	Qual
Diethyl phthalate	84	10	75		112.0	50	150				
Dimethyl phthalate	80	10	75		107.0	50	150				
Di-n-butyl phthalate	82	10	75		109.0	50	150				
Di-n-octyl phthalate	83	10	75		111.0	50	150				
Hexachlorobenzene	77	10	75		103.0	50	150				
Hexachlorobutadiene	79	10	75		106.0	50	150				
Hexachlorocyclopentadiene	78	10	75		104.0	50	150				
Hexachloroethane	78	10	75		103.0	50	150				
Isophorone	83	10	75		110.0	50	150				
m+p-Cresols	81	10	75		109.0	50	150				
Nitrobenzene	73	10	75		97.0	50	150				
n-Nitrosodimethylamine	75	10	75		99.0	50	150				
n-Nitroso-di-n-propylamine	79	10	75		105.0	50	150				
n-Nitrosodiphenylamine	81	10	75		108.0	50	150				
o-Cresol	77	10	75		102.0	50	150				
Pentachlorophenol	86	10	75		115.0	50	150				
Phenol	81	10	75		108.0	50	150				
Pyridine	75	10	75		101.0	50	150				
Surr: 2,4,6-Tribromophenol	80	10	75		106.0	50	150				
Surr: 2-Fluorobiphenyl	73	10	75		97.0	50	150				
Surr: 2-Fluorophenol	79	10	75		105.0	50	150				
Surr: Nitrobenzene-d5	79	10	75		105.0	50	150				
Surr: Phenol-d5	81	10	75		108.0	50	150				
Surr: Terphenyl-d14	77	10	75		103.0	50	150				

Associated Samples: **B22020415-027C, B22020415-032C**

Analytical QC Exceptions Report

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01

Report Date: 03/04/2022

Analysis Method	Analysis	Batch ID	Associated Samples	Sample Type	Lab ID	Analysis Date	Analysis Time	Analyte	%REC	Low Limit	High Limit	% RPD	RPD Limit	Qual
SW6020	Metals by ICP-MS, Dissolved	R374695	001A, 006A, 011A, 017A, 022A, 027A, 032A	SD	B22020415-001ADIL	2/14/2022	14:57	Lead					10.0	N
SW8015C	Diesel Range Organics	163616	001D, 006D, 011D, 016B, 017D, 022D, 027D, 032D	LCSD-DOD	LCSD-163616	2/10/2022	16:06	Diesel Range Organics (SGT-C10 to C24)	74.0	36	132	22	20.0	R
								Total Extractable Hydrocarbons (SGT)	79.0	60	132	22	20.0	R
SW8270C	Semi-Volatile Organic Compounds, Extended List	163621	001C, 006C, 011C, 016A, 017C, 022C, 027C, 032C	LCS-DOD	LCS-163621	2/19/2022	14:28	4-Nitrophenol	41.0	15	36			S
								n-Nitrosodimethylamine	50.0	20	45			S
				LCSD-DOD	LCSD-163621	2/19/2022	15:01	4-Nitrophenol	38.0	15	36	7.2	20.0	S
								n-Nitrosodimethylamine	52.0	20	45	4.5	20.0	S
				MS-DOD	B22020415-017CMS	2/19/2022	19:52	4-Nitrophenol	42.0	15	36			S
				MS-DOD	B22020415-032CMS	2/19/2022	23:59	4-Nitrophenol	37.0	15	36			S
								n-Nitrosodimethylamine	50.0	20	45			S

Preparation and Analysis Dates Report

Work Order: B22020415
Client: AECOM - Honolulu
Project Name: CV18F0126, 60571032.02.46.01
Report Date: 3/04/2022

Lab ID	Client Sample ID	Collection Date	Matrix	Test Name	TCLP Date	Prep Method	Prep Date	Prep Batch	Analysis Method	Analysis Date
001B	ERH2522 (Sump Adit 3)	02/03/2022 15:20	Ground Water	Metals by ICP-MS, Total		SW3010A	02/08/2022 15:31	163617	SW6020	02/14/2022 15:22
001C	ERH2522 (Sump Adit 3)	02/03/2022 15:20	Ground Water	Low Level PAH by 8270C SIM		SW3510C	02/09/2022 08:19	163621	SW8270CSIM	02/11/2022 18:01
				Semi-Volatile Organic Compounds, Extended List		SW3510C	02/09/2022 08:19	163621	SW8270C	02/19/2022 17:10
001D	ERH2522 (Sump Adit 3)	02/03/2022 15:20	Ground Water	Diesel Range Organics		SW3520C	02/08/2022 15:24	163616	SW8015C	02/09/2022 17:18
						SW3520C	02/08/2022 15:24	163616	SW8015C	02/10/2022 17:32
001H	ERH2522 (Sump Adit 3)	02/03/2022 15:20	Ground Water	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 18:52
004A	ERH2521 (Trip Blanks)-14733	02/03/2022 15:20	Trip Blank	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 16:33
006B	ERH2514 (RHMW01R)	02/03/2022 13:40	Ground Water	Metals by ICP-MS, Total		SW3010A	02/08/2022 15:31	163617	SW6020	02/14/2022 16:18
006C	ERH2514 (RHMW01R)	02/03/2022 13:40	Ground Water	Low Level PAH by 8270C SIM		SW3510C	02/09/2022 08:19	163621	SW8270CSIM	02/11/2022 19:06
				Semi-Volatile Organic Compounds, Extended List		SW3510C	02/09/2022 08:19	163621	SW8270C	02/19/2022 17:42
006D	ERH2514 (RHMW01R)	02/03/2022 13:40	Ground Water	Diesel Range Organics		SW3520C	02/08/2022 15:24	163616	SW8015C	02/09/2022 21:35
						SW3520C	02/08/2022 15:24	163616	SW8015C	02/11/2022 00:42
006H	ERH2514 (RHMW01R)	02/03/2022 13:40	Ground Water	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 16:53
009A	ERH2513 (Trip Blanks)-14733	02/03/2022 13:40	Trip Blank	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 17:13
011B	ERH2507 (OWDFMW07A)	02/02/2022 18:15	Ground Water	Metals by ICP-MS, Total		SW3010A	02/08/2022 15:31	163617	SW6020	02/14/2022 16:31
011C	ERH2507 (OWDFMW07A)	02/02/2022 18:15	Ground Water	Low Level PAH by 8270C SIM		SW3510C	02/09/2022 08:19	163621	SW8270CSIM	02/11/2022 20:11
				Semi-Volatile Organic Compounds, Extended List		SW3510C	02/09/2022 08:19	163621	SW8270C	02/19/2022 18:15
011D	ERH2507 (OWDFMW07A)	02/02/2022 18:15	Ground Water	Diesel Range Organics		SW3520C	02/08/2022 15:24	163616	SW8015C	02/09/2022 19:27
011H	ERH2507 (OWDFMW07A)	02/02/2022 18:15	Ground Water	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 17:33
014A	ERH2506 (Trip Blank)-14694	02/02/2022 18:15	Trip Blank	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 17:53
016A	ERH2510 (OWDFMW08A)	02/02/2022 15:05	Ground Water	Low Level PAH by 8270C SIM		SW3510C	02/09/2022 08:19	163621	SW8270CSIM	02/11/2022 20:44
				Semi-Volatile Organic Compounds, Extended List		SW3510C	02/09/2022 08:19	163621	SW8270C	02/19/2022 18:47
016B	ERH2510 (OWDFMW08A)	02/02/2022 15:05	Ground Water	Diesel Range Organics		SW3520C	02/08/2022 15:24	163616	SW8015C	02/09/2022 20:09
						SW3520C	02/08/2022 15:24	163616	SW8015C	02/10/2022 19:41

Preparation and Analysis Dates Report

Work Order: B22020415
Client: AECOM - Honolulu
Project Name: CV18F0126, 60571032.02.46.01
Report Date: 3/04/2022

017B	ERH2509 (OWDFMW08A)	02/02/2022 15:05	Ground Water	Metals by ICP-MS, Total		SW3010A	02/08/2022 15:31	163617	SW6020	02/14/2022 16:43
017C	ERH2509 (OWDFMW08A)	02/02/2022 15:05	Ground Water	Low Level PAH by 8270C SIM		SW3510C	02/09/2022 08:19	163621	SW8270CSIM	02/11/2022 21:16
				Semi-Volatile Organic Compounds, Extended List		SW3510C	02/09/2022 08:19	163621	SW8270C	02/19/2022 19:20
017D	ERH2509 (OWDFMW08A)	02/02/2022 15:05	Ground Water	Diesel Range Organics		SW3520C	02/08/2022 15:24	163616	SW8015C	02/09/2022 20:53
017H	ERH2509 (OWDFMW08A)	02/02/2022 15:05	Ground Water	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 18:13
020A	ERH2508 (Trip Blank)-14694	02/02/2022 15:05	Trip Blank	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 18:32
022B	ERH2512 (RHMW19)	02/02/2022 15:05	Ground Water	Metals by ICP-MS, Total		SW3010A	02/08/2022 15:31	163617	SW6020	02/14/2022 16:56
022C	ERH2512 (RHMW19)	02/02/2022 15:05	Ground Water	Low Level PAH by 8270C SIM		SW3510C	02/09/2022 08:19	163621	SW8270CSIM	02/11/2022 21:48
				Semi-Volatile Organic Compounds, Extended List		SW3510C	02/09/2022 08:19	163621	SW8270C	02/19/2022 20:24
022D	ERH2512 (RHMW19)	02/02/2022 15:05	Ground Water	Diesel Range Organics		SW3520C	02/08/2022 15:24	163616	SW8015C	02/10/2022 14:40
						SW3520C	02/08/2022 15:24	163616	SW8015C	02/10/2022 21:06
022H	ERH2512 (RHMW19)	02/02/2022 15:05	Ground Water	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 20:51
025A	ERH2511 (Trip Blank)-14694	02/02/2022 15:05	Trip Blank	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 21:11
027B	ERH2516 (RHMW2254-01 Bailer)	02/03/2022 13:00	Ground Water	Metals by ICP-MS, Total		SW3010A	02/08/2022 15:31	163617	SW6020	02/14/2022 17:20
027C	ERH2516 (RHMW2254-01 Bailer)	02/03/2022 13:00	Ground Water	Low Level PAH by 8270C SIM		SW3510C	02/09/2022 08:19	163621	SW8270CSIM	02/11/2022 22:21
				Semi-Volatile Organic Compounds, Extended List		SW3510C	02/09/2022 08:19	163621	SW8270C	02/19/2022 22:54
027D	ERH2516 (RHMW2254-01 Bailer)	02/03/2022 13:00	Ground Water	Diesel Range Organics		SW3520C	02/08/2022 15:24	163616	SW8015C	02/10/2022 03:21
						SW3520C	02/08/2022 15:24	163616	SW8015C	02/10/2022 20:23
027H	ERH2516 (RHMW2254-01 Bailer)	02/03/2022 13:00	Ground Water	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 21:31
030A	ERH2515 (Trip Blanks)-14733	02/03/2022 13:00	Trip Blank	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 21:50
032B	ERH2519 (RHMW2254-01 Low Flow)	02/03/2022 13:55	Ground Water	Metals by ICP-MS, Total		SW3010A	02/08/2022 15:31	163617	SW6020	02/14/2022 17:33
032C	ERH2519 (RHMW2254-01 Low Flow)	02/03/2022 13:55	Ground Water	Low Level PAH by 8270C SIM		SW3510C	02/09/2022 08:19	163621	SW8270CSIM	02/11/2022 22:53
				Semi-Volatile Organic Compounds, Extended List		SW3510C	02/09/2022 08:19	163621	SW8270C	02/19/2022 23:27
032D	ERH2519 (RHMW2254-01 Low Flow)	02/03/2022 13:55	Ground Water	Diesel Range Organics		SW3520C	02/08/2022 15:24	163616	SW8015C	02/10/2022 13:57
032H	ERH2519 (RHMW2254-01 Low Flow)	02/03/2022 13:55	Ground Water	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 22:10

Preparation and Analysis Dates Report

Work Order: B22020415

Client: AECOM - Honolulu

Project Name: CV18F0126, 60571032.02.46.01

Report Date: 3/04/2022

035A	ERH2518 (Trip Blanks)-14694	02/03/2022 13:55	Trip Blank	EDB in Water by ECD		SW8011	02/09/2022 09:56	163636	SW8011	02/11/2022 22:30

Chemical Abstracts Service (CAS) Registry Numbers

Prepared by Billings, MT Branch

Client: AECOM - Honolulu
Workorder: B22020415
Project: CV18F0126, 60571032.02.46.01 **Report Date:** 03/04/2022

Analyses	CAS No
LOW LEVEL PAH BY 8270C SIM	
1-Methylnaphthalene	90-12-0
2-Methylnaphthalene	91-57-6
Acenaphthene	83-32-9
Acenaphthylene	208-96-8
Anthracene	120-12-7
Benzo(a)anthracene	56-55-3
Benzo(a)pyrene	50-32-8
Benzo(b)fluoranthene	205-99-2
Benzo(g,h,i)perylene	191-24-2
Benzo(k)fluoranthene	207-08-9
Chrysene	218-01-9
Dibenzo(a,h)anthracene	53-70-3
Fluoranthene	206-44-0
Fluorene	86-73-7
Indeno(1,2,3-cd)pyrene	193-39-5
Naphthalene	91-20-3
Phenanthrene	85-01-8
Pyrene	129-00-0
AGGREGATE ORGANICS	
Organic Carbon, Total (TOC)	7440-44-0
METALS, TOTAL	
Lead	7439-92-1
METALS, DISSOLVED	
Lead	7439-92-1
VOLATILE ORGANIC COMPOUNDS	
Benzene	71-43-2
Bromobenzene	108-86-1
Bromochloromethane	74-97-5
Bromodichloromethane	75-27-4
Bromoform	75-25-2
Carbon tetrachloride	56-23-5
Chlorobenzene	108-90-7
Chlorodibromomethane	124-48-1
Chloroethane	75-00-3
Chloroform	67-66-3
Chloromethane	74-87-3
1,2-Dibromoethane	106-93-4

2-Chlorotoluene	95-49-8
4-Chlorotoluene	106-43-4
Dibromomethane	74-95-3
1,2-Dichlorobenzene	95-50-1
1,3-Dichlorobenzene	541-73-1
1,4-Dichlorobenzene	106-46-7
Dichlorodifluoromethane	75-71-8
1,1-Dichloroethane	75-34-3
1,2-Dichloroethane	107-06-2
1,1-Dichloroethene	75-35-4
cis-1,2-Dichloroethene	156-59-2
trans-1,2-Dichloroethene	156-60-5
1,2-Dichloropropane	78-87-5
1,3-Dichloropropane	142-28-9
2,2-Dichloropropane	594-20-7
1,1-Dichloropropene	563-58-6
cis-1,3-Dichloropropene	10061-01-5
trans-1,3-Dichloropropene	10061-02-6
Ethylbenzene	100-41-4
Methyl ethyl ketone	78-93-3
Methyl tert-butyl ether (MTBE)	1634-04-4
Methylene chloride	75-09-2
Styrene	100-42-5
1,1,1,2-Tetrachloroethane	630-20-6
1,1,2,2-Tetrachloroethane	79-34-5
Tetrachloroethene	127-18-4
Toluene	108-88-3
1,1,1-Trichloroethane	71-55-6
1,1,2-Trichloroethane	79-00-5
Trichloroethene	79-01-6
Trichlorofluoromethane	75-69-4
1,2,3-Trichloropropane	96-18-4
Vinyl chloride	75-01-4
m+p-Xylenes	179601-23-1
o-Xylene	95-47-6
Xylenes, Total	1330-20-7

VOCS BY MICROEXTRACTION-ECD

1,2-Dibromoethane	106-93-4

PETROLEUM HYDROCARBONS-VOLATILE

C6 to C10

Total Purgeable Hydrocarbons

PETROLEUM HYDROCARBONS-SEMI-VOLATILE

Diesel Range Organics (C10 to C24)

Diesel Range Organics (SGT-C10 to C24)

Oil Range Hydrocarbons (C24 to C40)

Oil Range Hydrocarbons (SGT-C24 to C40)

Total Extractable Hydrocarbons

Total Extractable Hydrocarbons (SGT)

ORGANIC CHARACTERISTICS

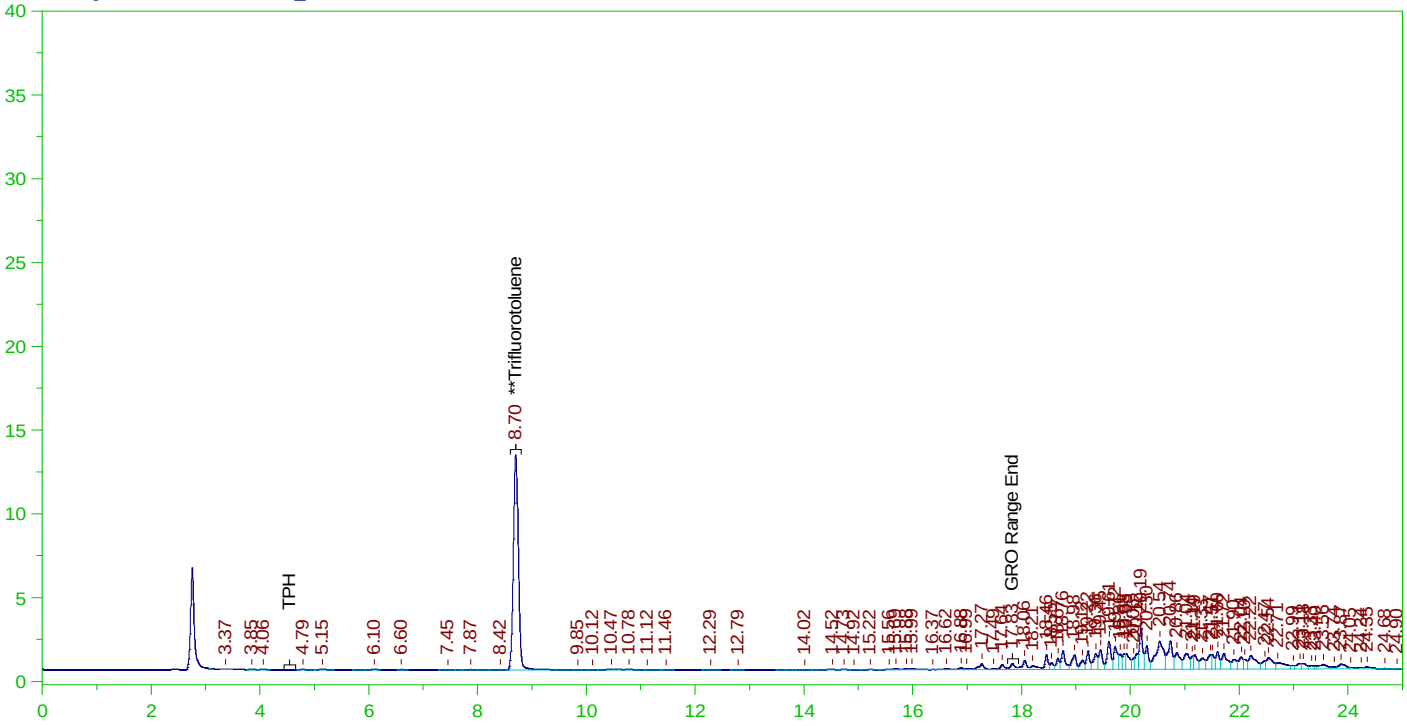
Methane	74-82-8

SEMI-VOLATILE ORGANIC COMPOUNDS

1,2,4-Trichlorobenzene	120-82-1
1,2-Dichlorobenzene	95-50-1
1,3-Dichlorobenzene	541-73-1
1,4-Dichlorobenzene	106-46-7
2,4,5-Trichlorophenol	95-95-4
2,4,6-Trichlorophenol	88-06-2
2,4-Dichlorophenol	120-83-2
2,4-Dimethylphenol	105-67-9
2,4-Dinitrophenol	51-28-5
2,4-Dinitrotoluene	121-14-2
2,6-Dinitrotoluene	606-20-2
2-Chloronaphthalene	91-58-7
2-Chlorophenol	95-57-8
2-Nitrophenol	88-75-5
3,3´-Dichlorobenzidine	91-94-1
4,6-Dinitro-2-methylphenol	534-52-1
4-Bromophenyl phenyl ether	101-55-3
4-Chloro-3-methylphenol	59-50-7
4-Chlorophenol	106-48-9
4-Chlorophenyl phenyl ether	7005-72-3
4-Nitrophenol	100-02-7
Azobenzene	103-33-3
bis(-2-chloroethoxy)Methane	111-91-1
bis(-2-chloroethyl)Ether	111-44-4
bis(2-chloroisopropyl)Ether	108-60-1
bis(2-ethylhexyl)Phthalate	117-81-7
Butylbenzylphthalate	85-68-7
Di-n-butyl phthalate	84-74-2
Di-n-octyl phthalate	117-84-0
Diethyl phthalate	84-66-2
Dimethyl phthalate	131-11-3
Hexachlorobenzene	118-74-1
Hexachlorobutadiene	87-68-3
Hexachlorocyclopentadiene	77-47-4
Hexachloroethane	67-72-1
Isophorone	78-59-1
m+p-Cresols	15831-10-4
n-Nitroso-di-n-propylamine	621-64-7
n-Nitrosodimethylamine	62-75-9
n-Nitrosodiphenylamine	86-30-6
Nitrobenzene	98-95-3
o-Cresol	95-48-7
Pentachlorophenol	87-86-5
Phenol	108-95-2
Pyridine	110-86-1

ERH2522 (Sump Adit 3)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0027.RAW B22020415-001G ;0209PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-001G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0027.RAW
Date & Time Acquired: 2/9/2022 10:28:43 PM
Method File: G:\Org\PE1\Methods\220203G415-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

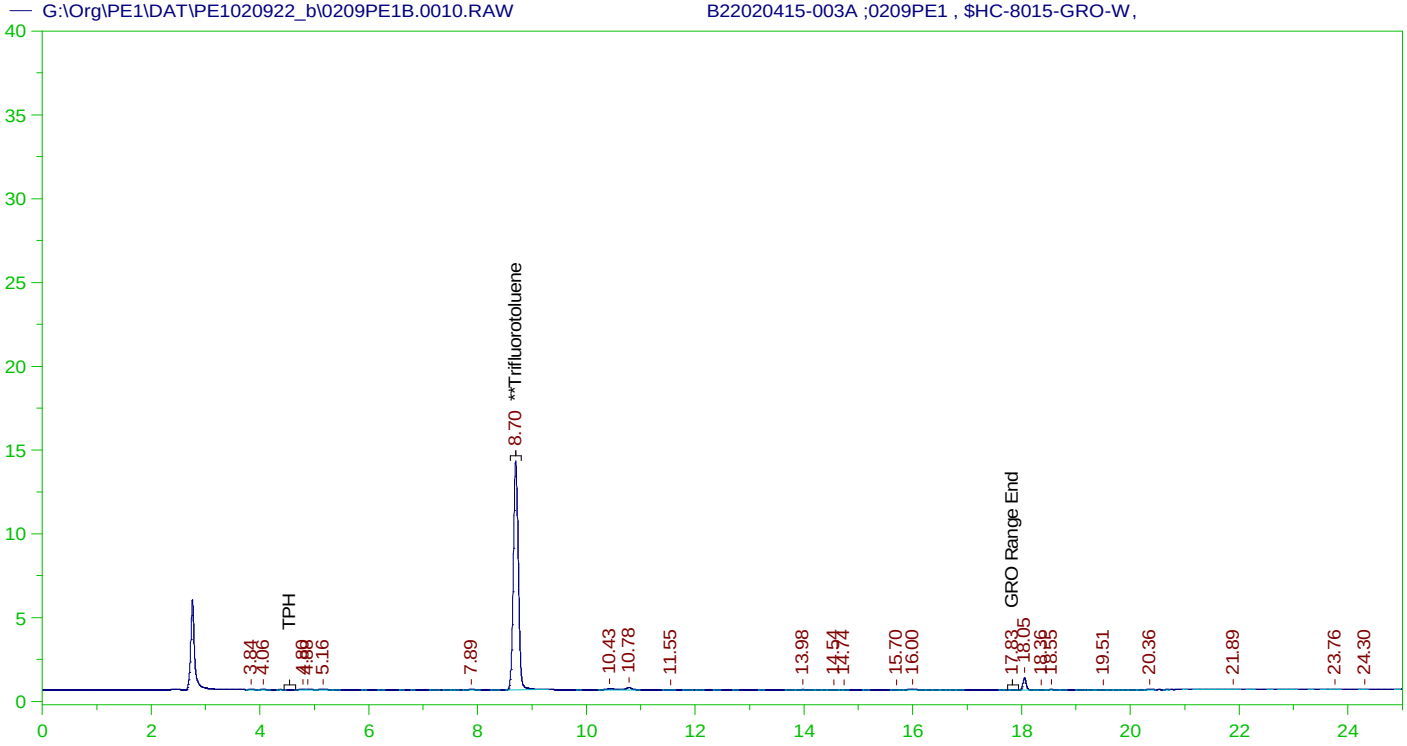
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.704	25.	19.889	79.56	-

C6 to C10 Area:14421.5 C6 to C10 Amount: 3.740707
TPH Area:227937.9 TPH Amount: 63.09756

ERH2521 (Trip Blanks)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0010.RAW B22020415-003A ;0209PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

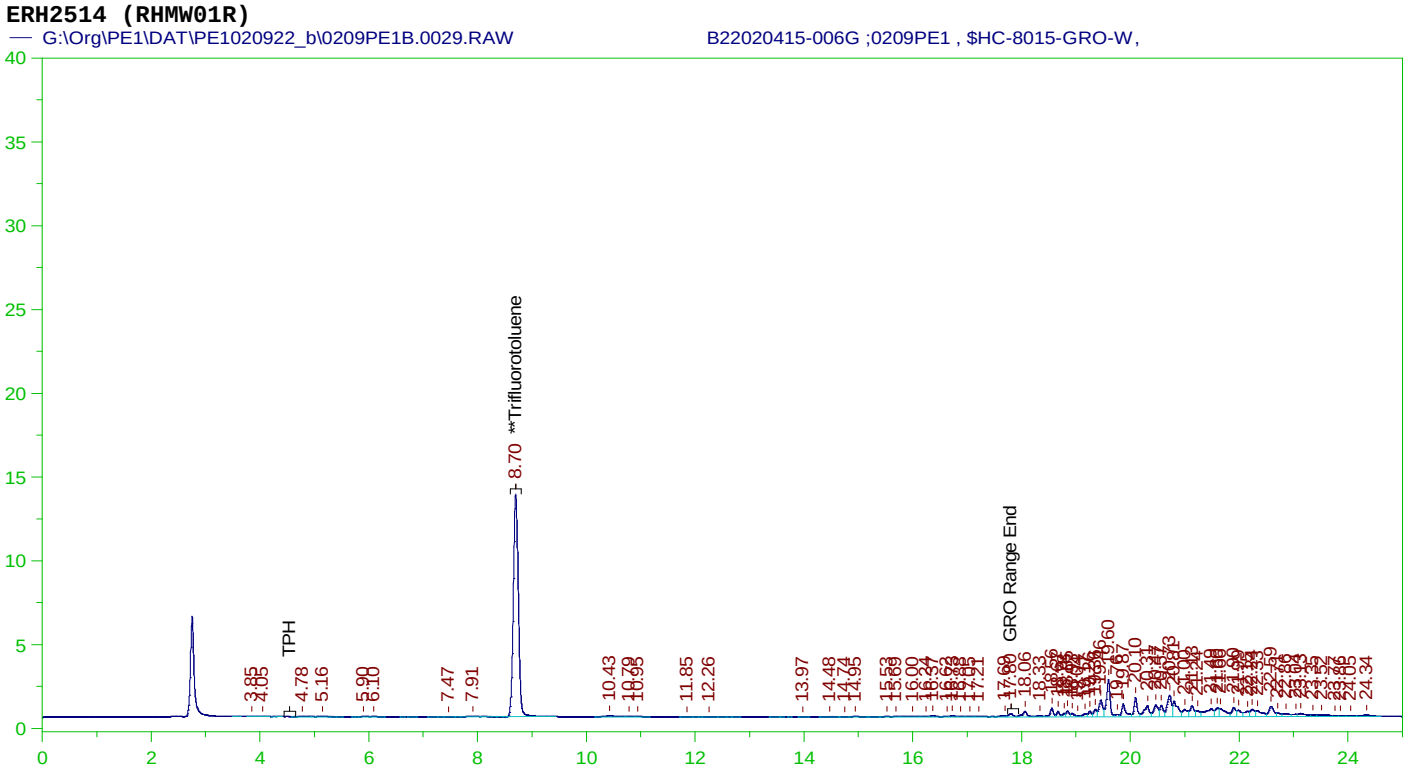
Sample Name: B22020415-003A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0010.RAW
Date & Time Acquired: 2/9/2022 12:45:46 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	25.	20.948	83.79	-

C6 to C10 Area:4316.05 C6 to C10 Amount: 1.119515
TPH Area:8880.889 TPH Amount: 2.4584

ERH2514 (RHMW01R)



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

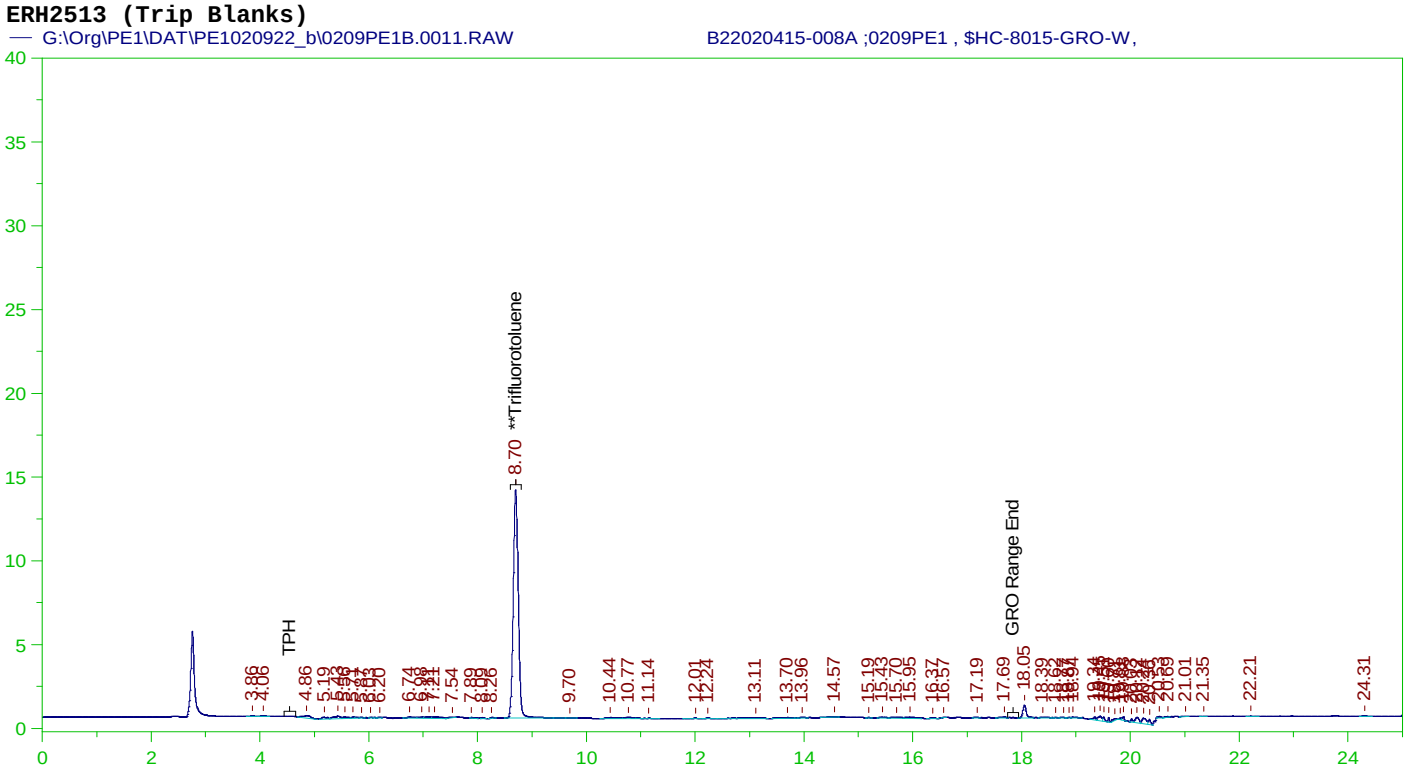
Sample Name: B22020415-006G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0029.RAW
Date & Time Acquired: 2/9/2022 11:37:21 PM
Method File: G:\Org\PE1\Methods\220203G415-6DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	25.	20.455	81.82	-

C6 to C10 Area:7953.982 C6 to C10 Amount: 2.063137
TPH Area:111258.9 TPH Amount: 30.79859

ERH2513 (Trip Blanks)



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-008A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0011.RAW
Date & Time Acquired: 2/9/2022 1:20:02 PM
Method File: G:\Org\PE1\Methods\220203G415-8DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.702	25.	21.211	84.84	-

C6 to C10 Area:16449.08 C6 to C10 Amount: 4.266631
TPH Area:32819.07 TPH Amount: 9.084947

ERH2507 (OWDFMW07A)

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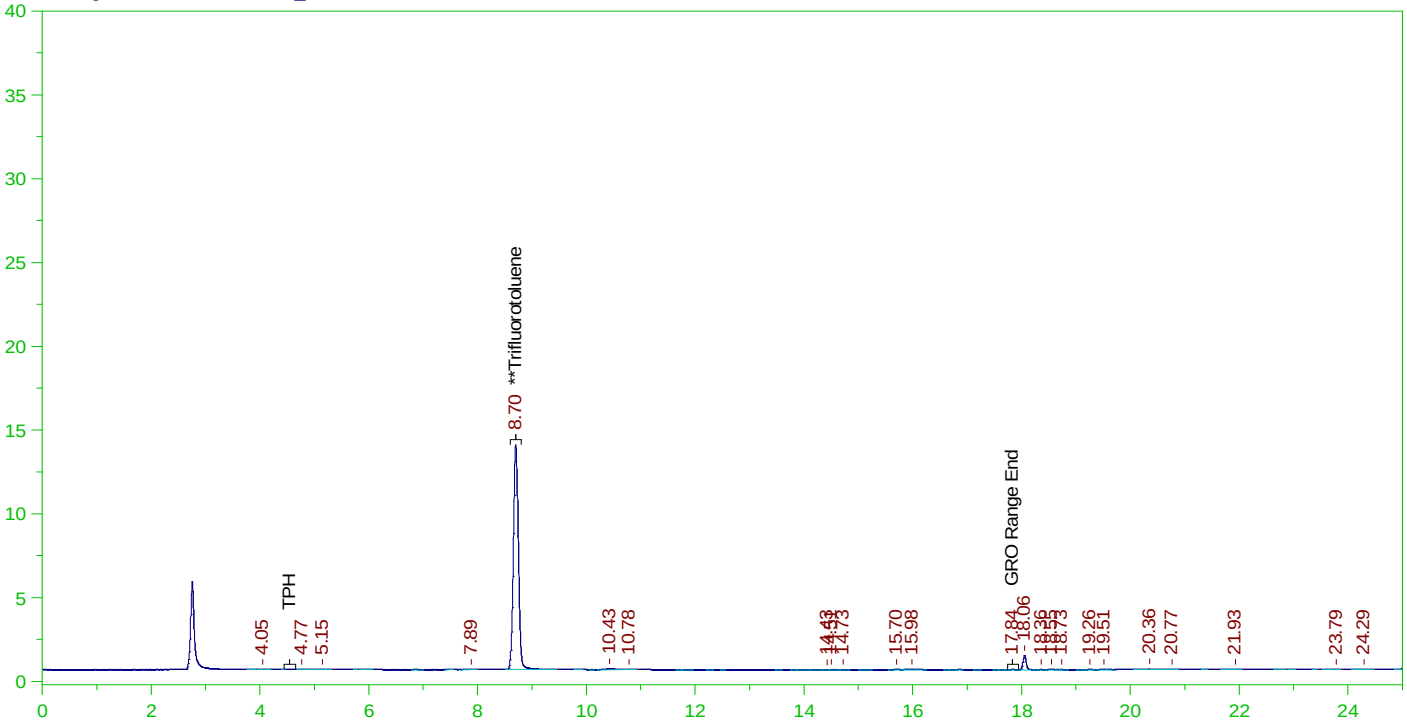


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

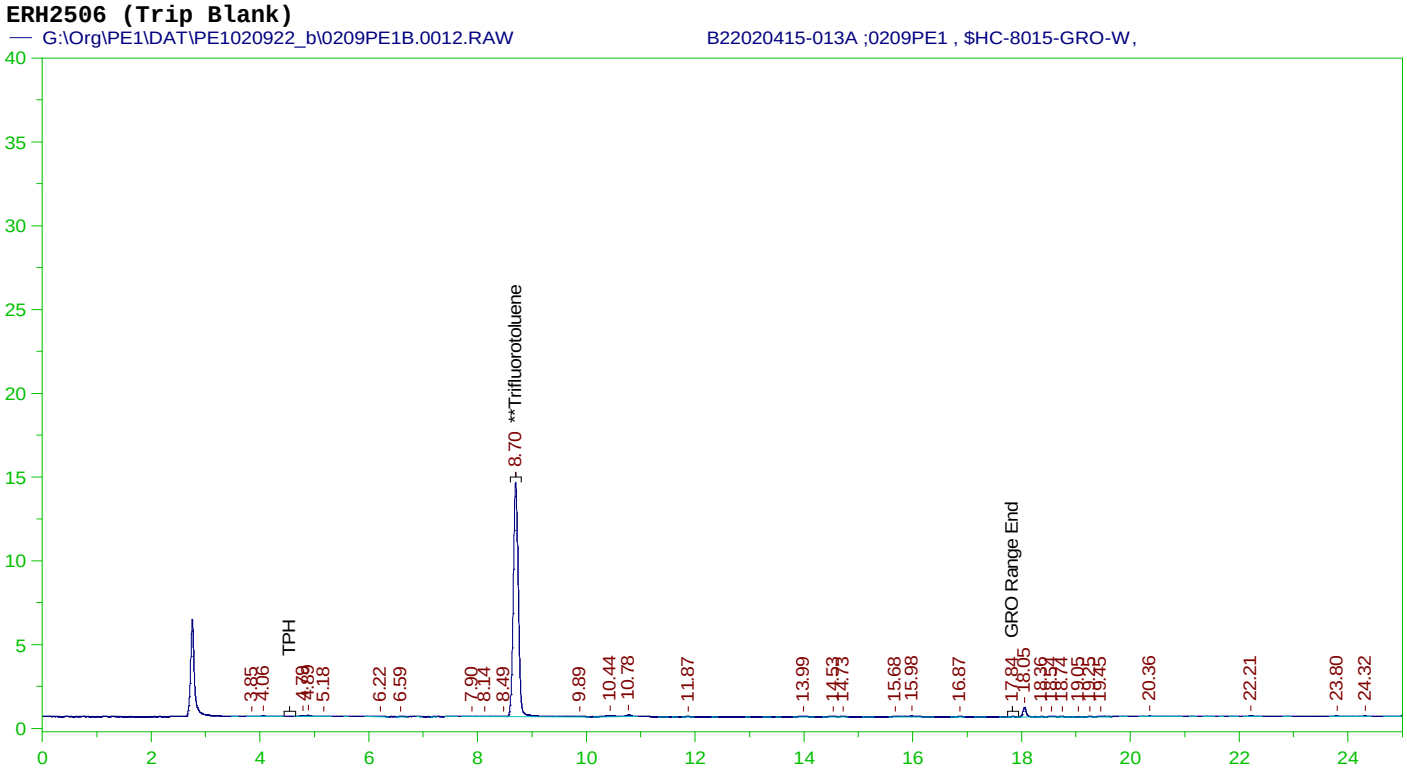
Sample Name: B22020415-011G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0031.RAW
Date & Time Acquired: 2/10/2022 12:45:54 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.704	25.	20.649	82.6	-

C6 to C10 Area:2482.973 C6 to C10 Amount: 0.6440436
TPH Area:7445.45 TPH Amount: 2.061043

ERH2506 (Trip Blank)



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-013A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0012.RAW
Date & Time Acquired: 2/9/2022 1:54:17 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

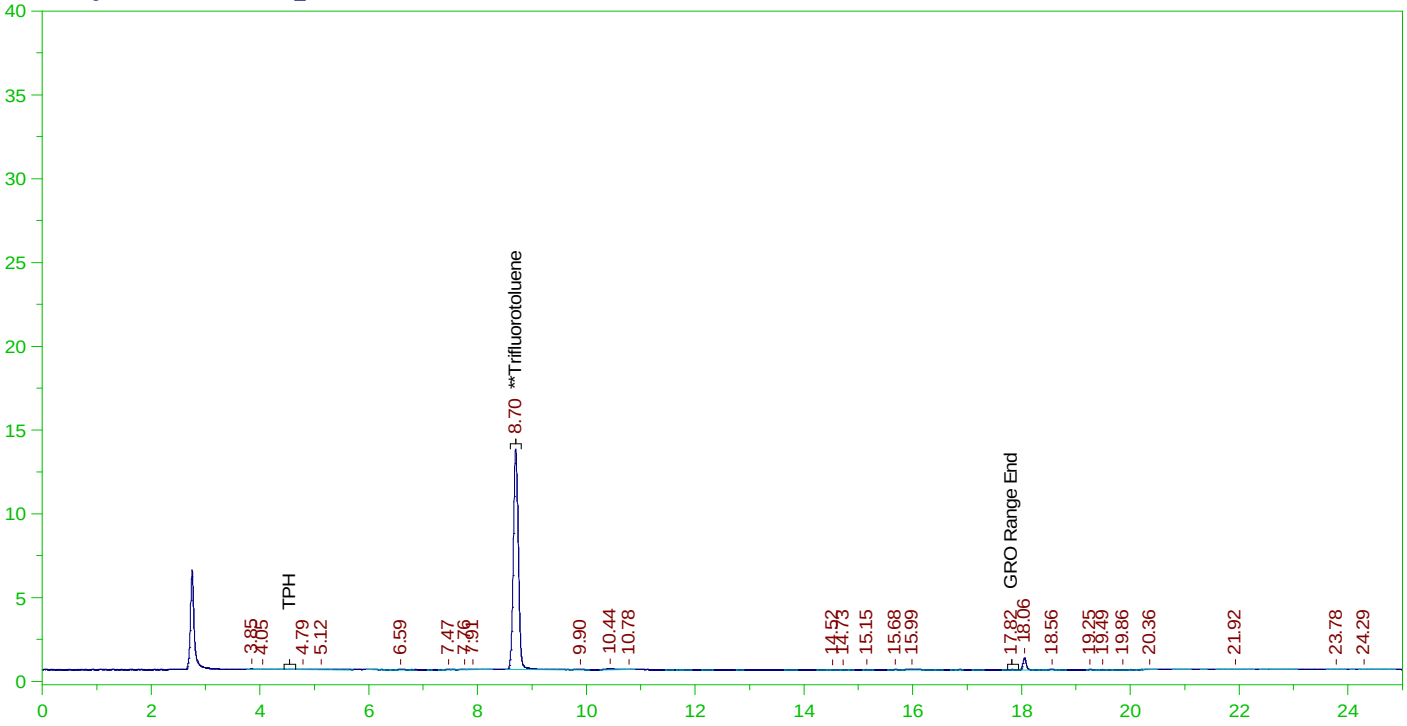
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.702	25.	21.579	86.32	-

C6 to C10 Area:4917.448 C6 to C10 Amount: 1.275508
TPH Area:9333.75 TPH Amount: 2.58376

ERH2510 (OWDFMW08A)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0033.RAW B22020415-016D ;0209PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

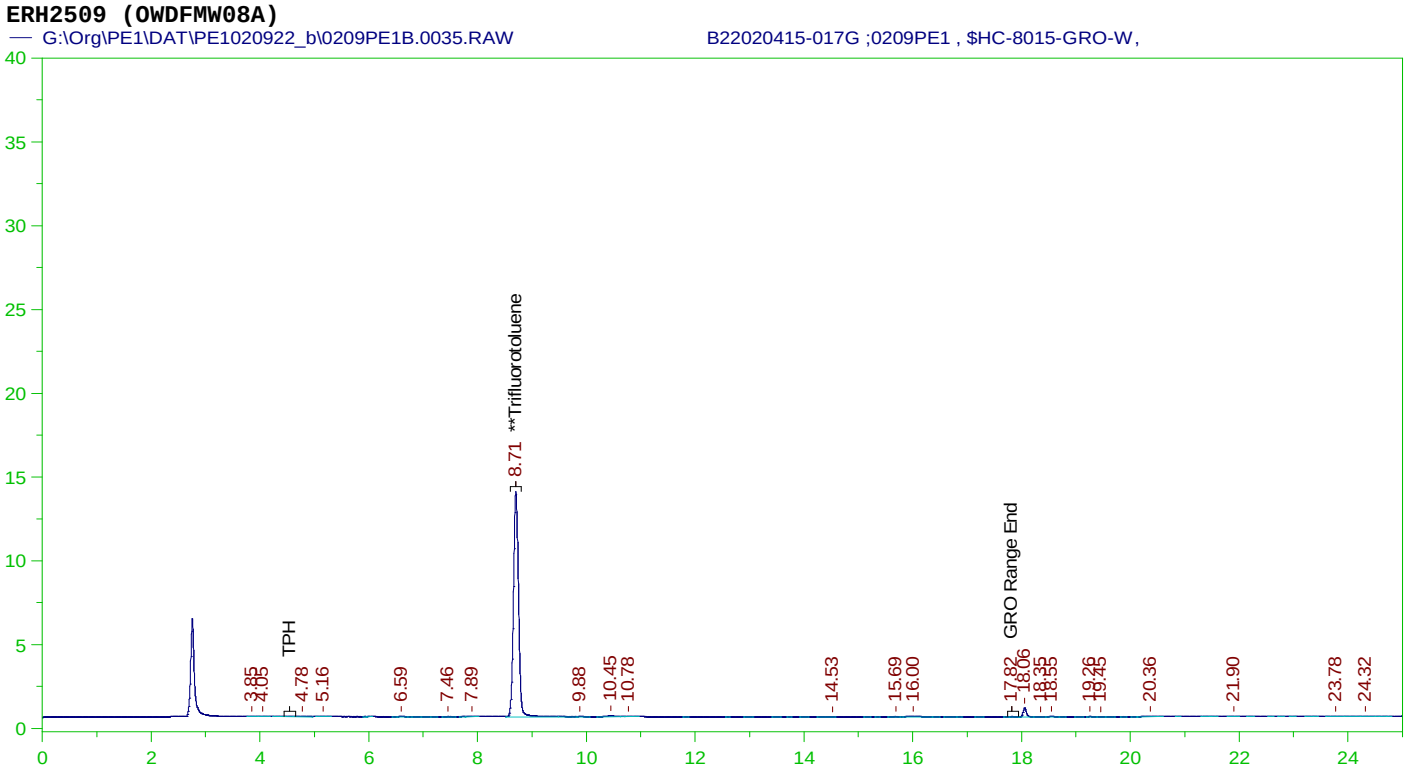
Sample Name: B22020415-016D ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0033.RAW
Date & Time Acquired: 2/10/2022 1:54:20 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	25.	20.342	81.37	-

C6 to C10 Area:3361.074 C6 to C10 Amount: 0.8718091
TPH Area:8000.52 TPH Amount: 2.214696

ERH2509 (OWDFMW08A)



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

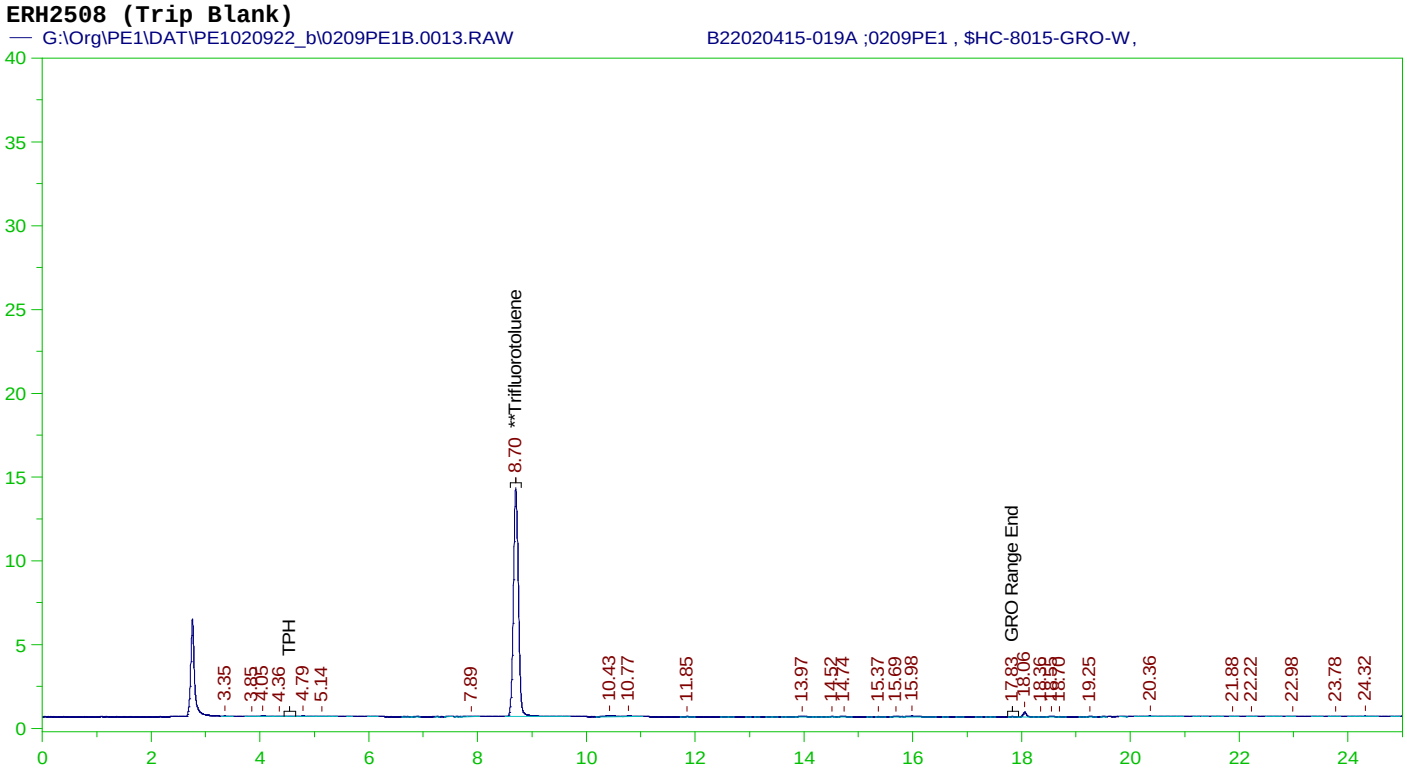
Sample Name: B22020415-017G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0035.RAW
Date & Time Acquired: 2/10/2022 3:02:50 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.706	25.	20.712	82.85	-

C6 to C10 Area:2616.789 C6 to C10 Amount: 0.6787533
TPH Area:6382.077 TPH Amount: 1.766681

ERH2508 (Trip Blank)



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-019A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0013.RAW
Date & Time Acquired: 2/9/2022 2:28:35 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

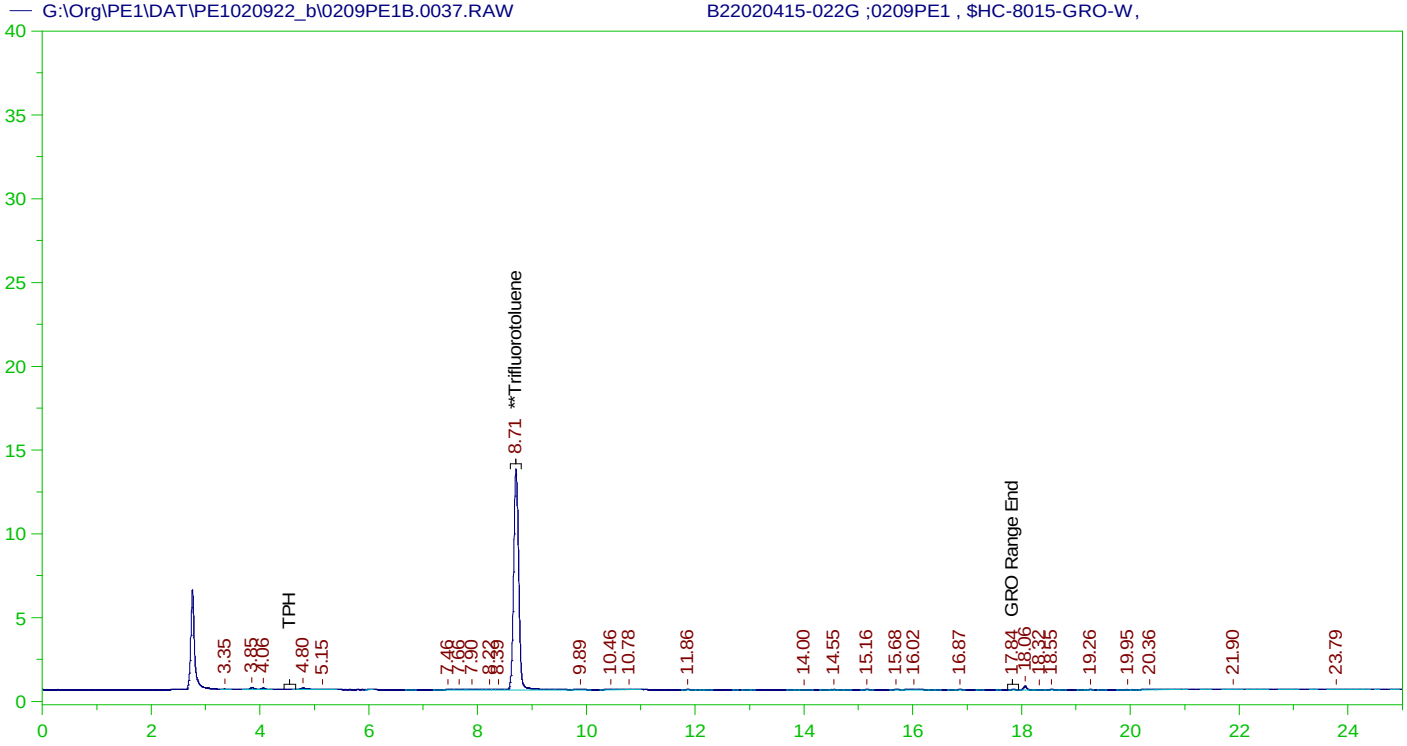
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.705	25.	20.937	83.75	-

C6 to C10 Area:3948.688 C6 to C10 Amount: 1.024227
TPH Area:7077.976 TPH Amount: 1.959319

ERH2512 (RHMW19)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0037.RAW B22020415-022G ;0209PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

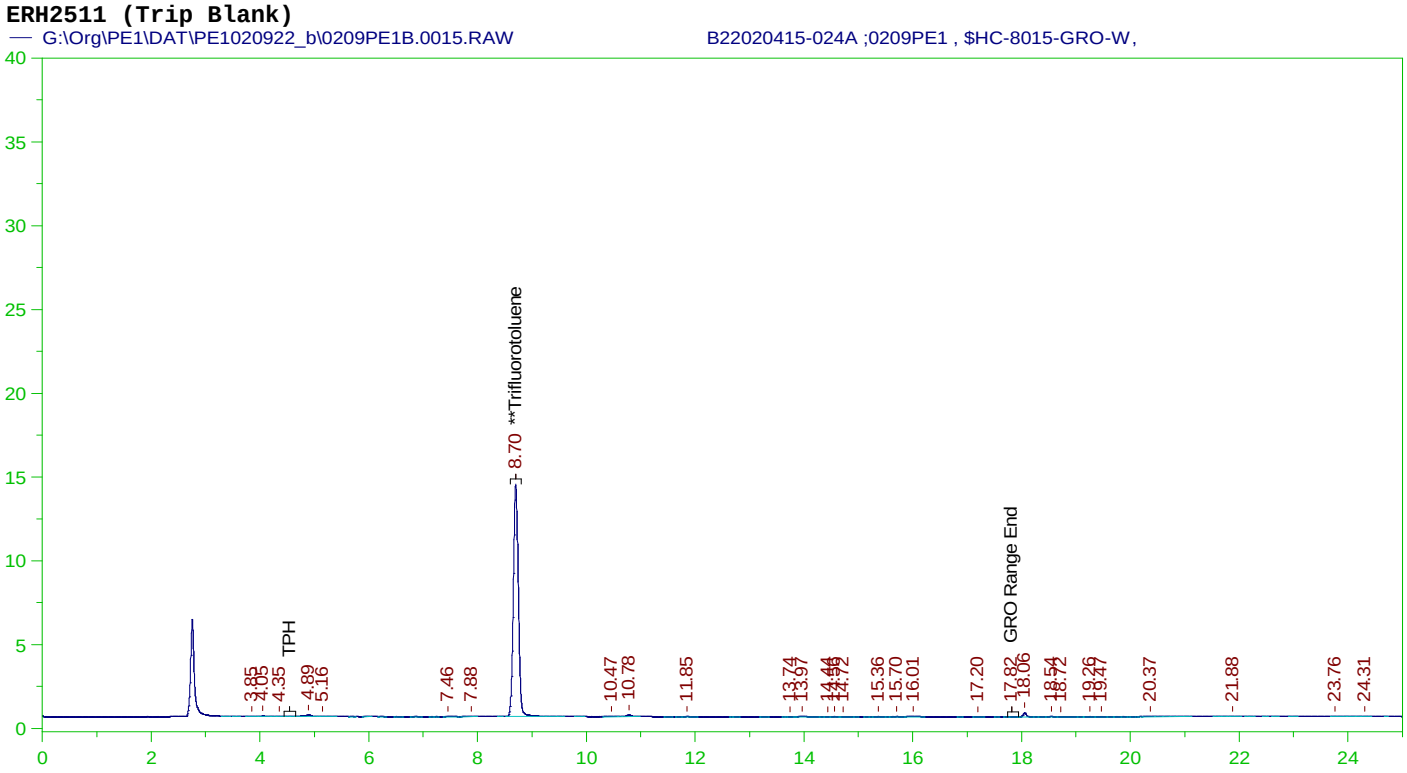
Sample Name: B22020415-022G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0037.RAW
Date & Time Acquired: 2/10/2022 4:11:20 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.709	25.	20.4	81.6	-

C6 to C10 Area:3633.385 C6 to C10 Amount: 0.9424422
TPH Area:7034.321 TPH Amount: 1.947234

ERH2511 (Trip Blank)



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-024A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0015.RAW
Date & Time Acquired: 2/9/2022 3:37:09 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

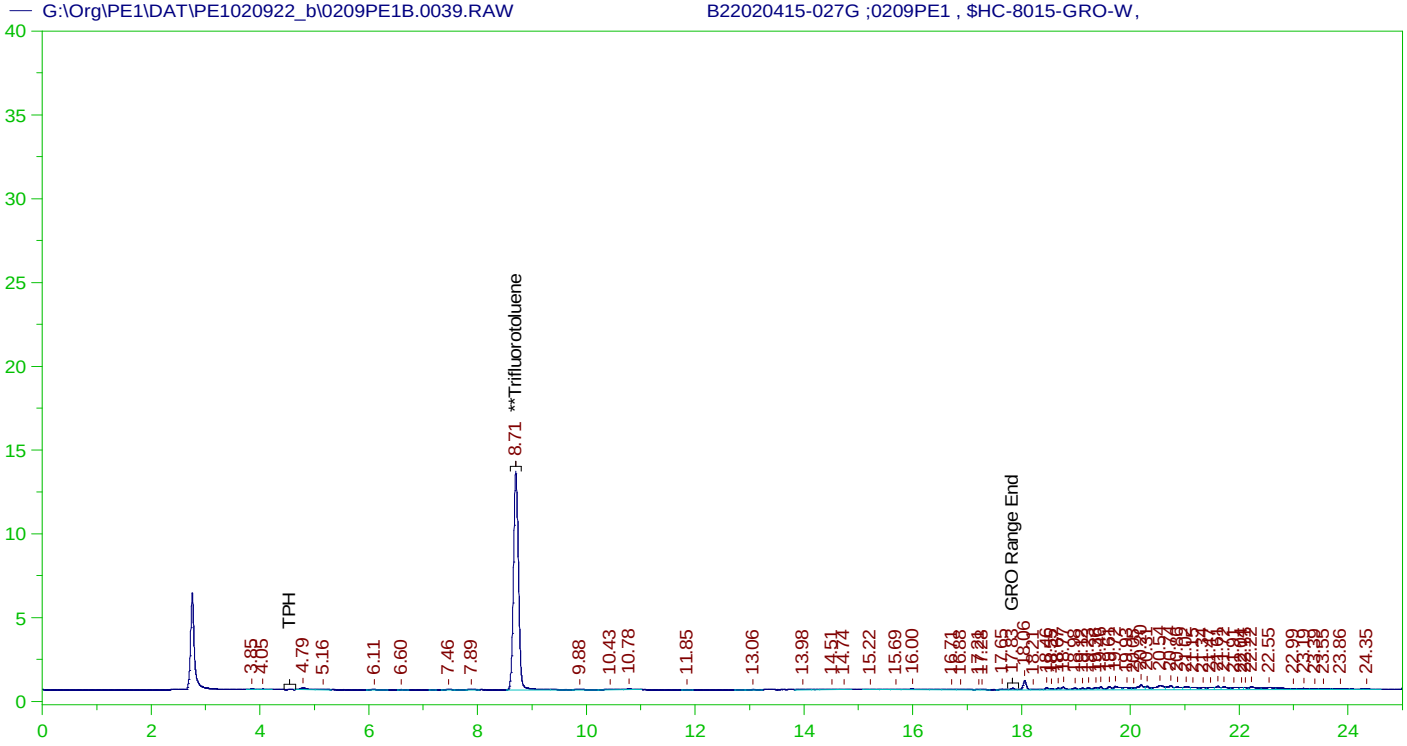
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.704	25.	21.359	85.43	-

C6 to C10 Area:4314.865 C6 to C10 Amount: 1.119207
TPH Area:7349.804 TPH Amount: 2.034566

ERH2516 (RHMW2254-01 Bailer)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0039.RAW B22020415-027G ;0209PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

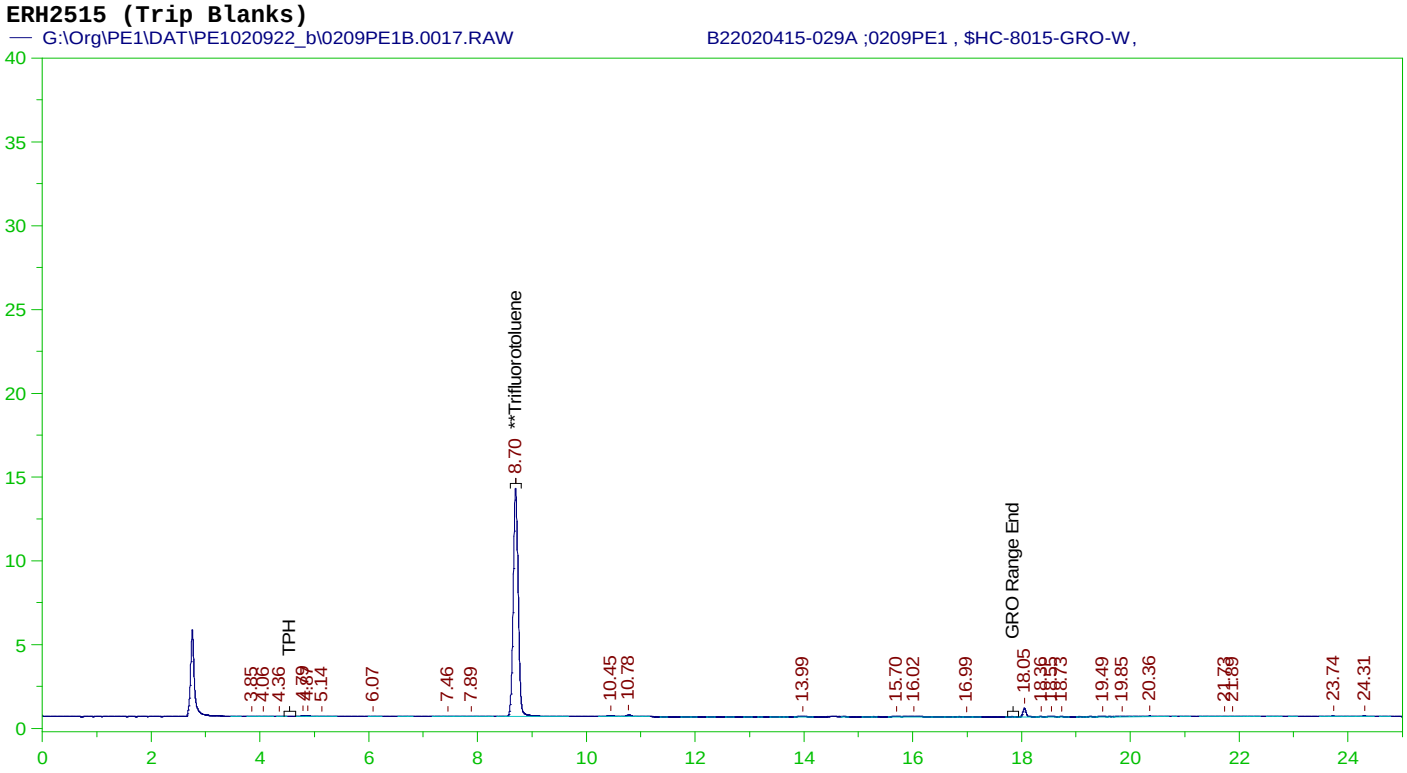
Sample Name: B22020415-027G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0039.RAW
Date & Time Acquired: 2/10/2022 5:19:58 AM
Method File: G:\Org\PE1\Methods\220203G415-27DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.706	25.	20.065	80.26	-

C6 to C10 Area:5436.918 C6 to C10 Amount: 1.41025
TPH Area:38849.62 TPH Amount: 10.75432

ERH2515 (Trip Blanks)



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-029A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0017.RAW
Date & Time Acquired: 2/9/2022 4:45:46 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

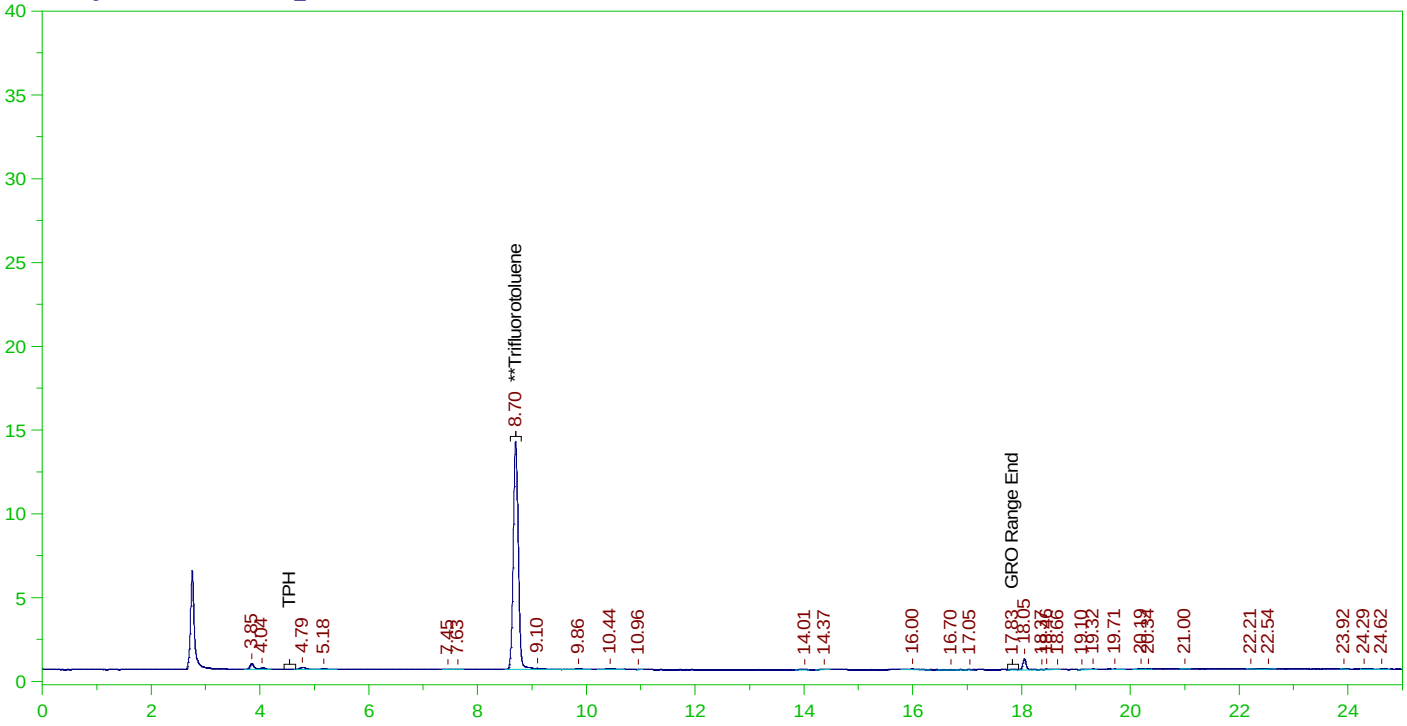
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.701	25.	20.955	83.82	-

C6 to C10 Area:3720.895 C6 to C10 Amount: 0.9651409
TPH Area:7684.969 TPH Amount: 2.127346

ERH2519 (RHMW2254-01 Low Flow)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0008.RAW B22020415-032G ;0209PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

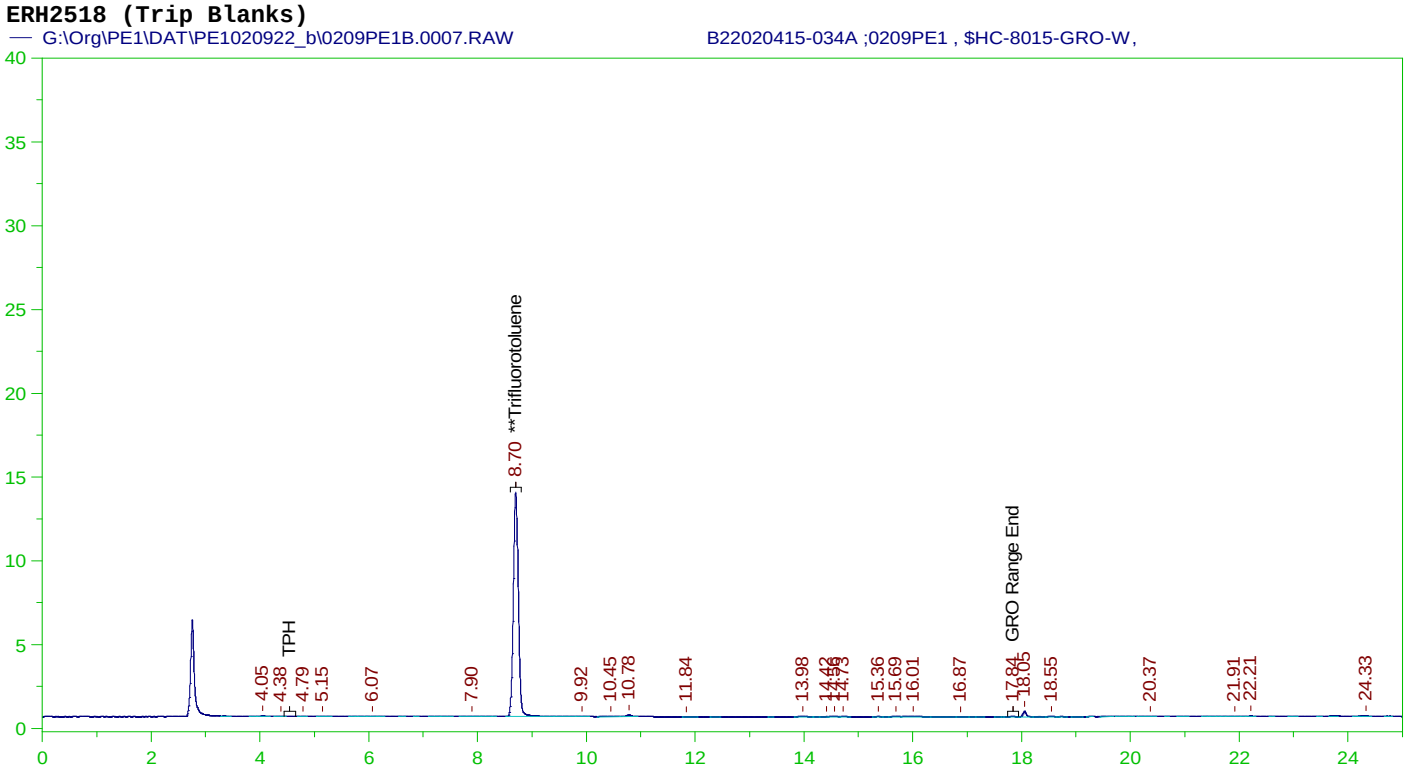
Sample Name: B22020415-032G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0008.RAW
Date & Time Acquired: 2/9/2022 11:36:58 AM
Method File: G:\Org\PE1\Methods\220203G415-32DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.702	25.	20.955	83.82	-

C6 to C10 Area:5039.947 C6 to C10 Amount: 1.307282
TPH Area:12426.37 TPH Amount: 3.439857

ERH2518 (Trip Blanks)



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-034A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0007.RAW
Date & Time Acquired: 2/9/2022 11:02:36 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

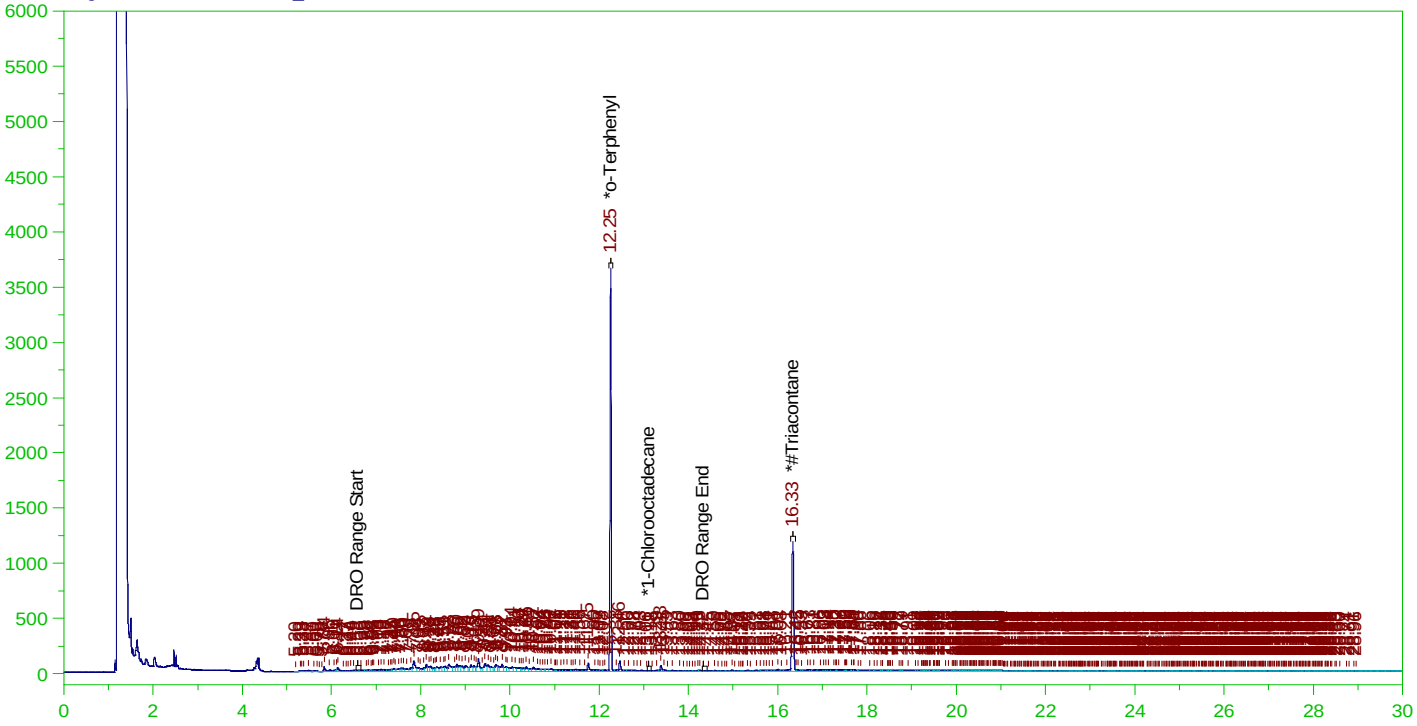
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	25.	20.652	82.61	-

C6 to C10 Area:3146.417 C6 to C10 Amount: 0.8161306
TPH Area:5910.205 TPH Amount: 1.636057

ERH2522 (Sump Adit 3) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0011.RAW B22020415-001D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-001D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0011.RAW
Date & Time Acquired: 2/9/2022 5:18:29 PM
Method File: G:\Org\HP5\Methods\D3_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

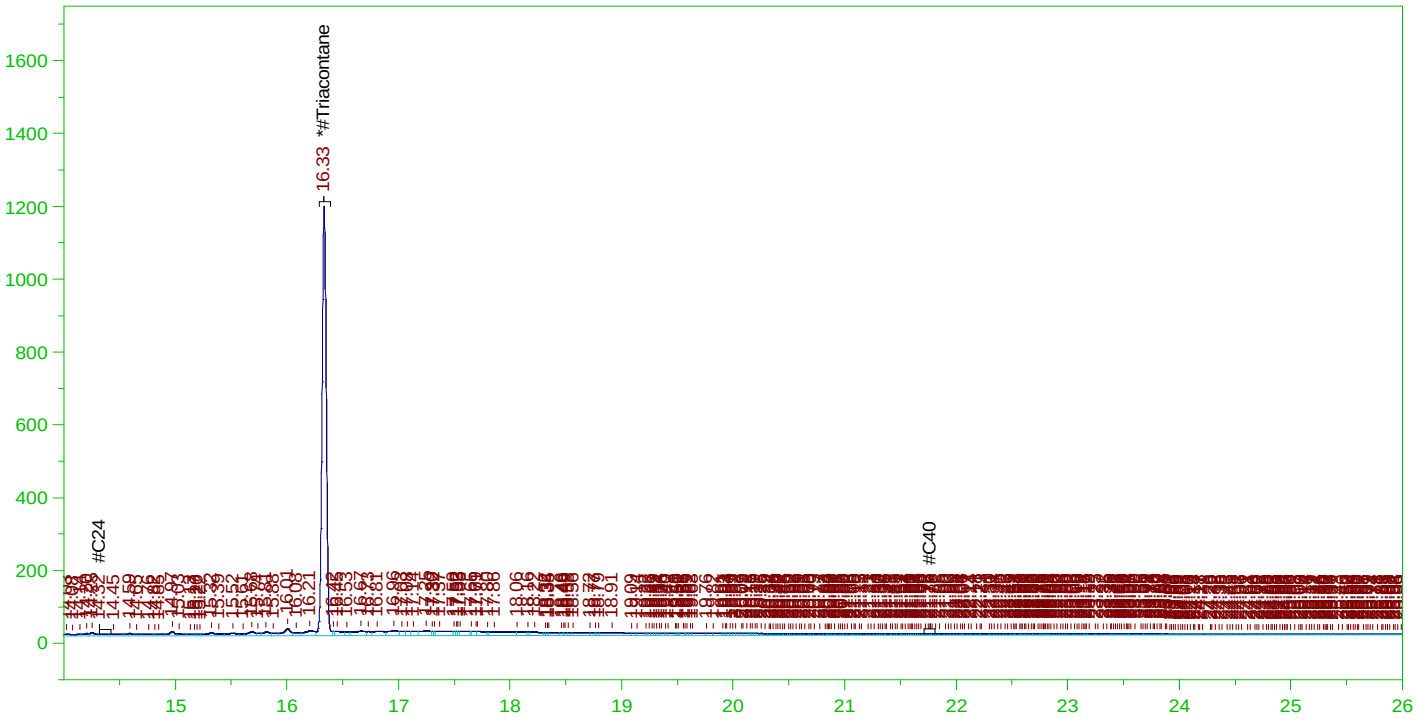
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.255	.191	.182	95.01	-
*1-Chlorooctadecane	13.111	.191	.001	.27	-
*#Triacontane	16.334	.191	.101	52.63	-

DRO Area:1.083072E+07 DRO Amount: 0.3171909
TEH Area:1.506676E+07 TEH Amount: 0.4412484

ERH2522 (Sump Adit 3) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0011.RAW B22020415-001D ;0209HP5 , $HC-8015-DRO-W,



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-001D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0011.RAW
Date & Time Acquired: 2/9/2022 5:18:29 PM
Method File: G:\Org\HP5\Methods\D3_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

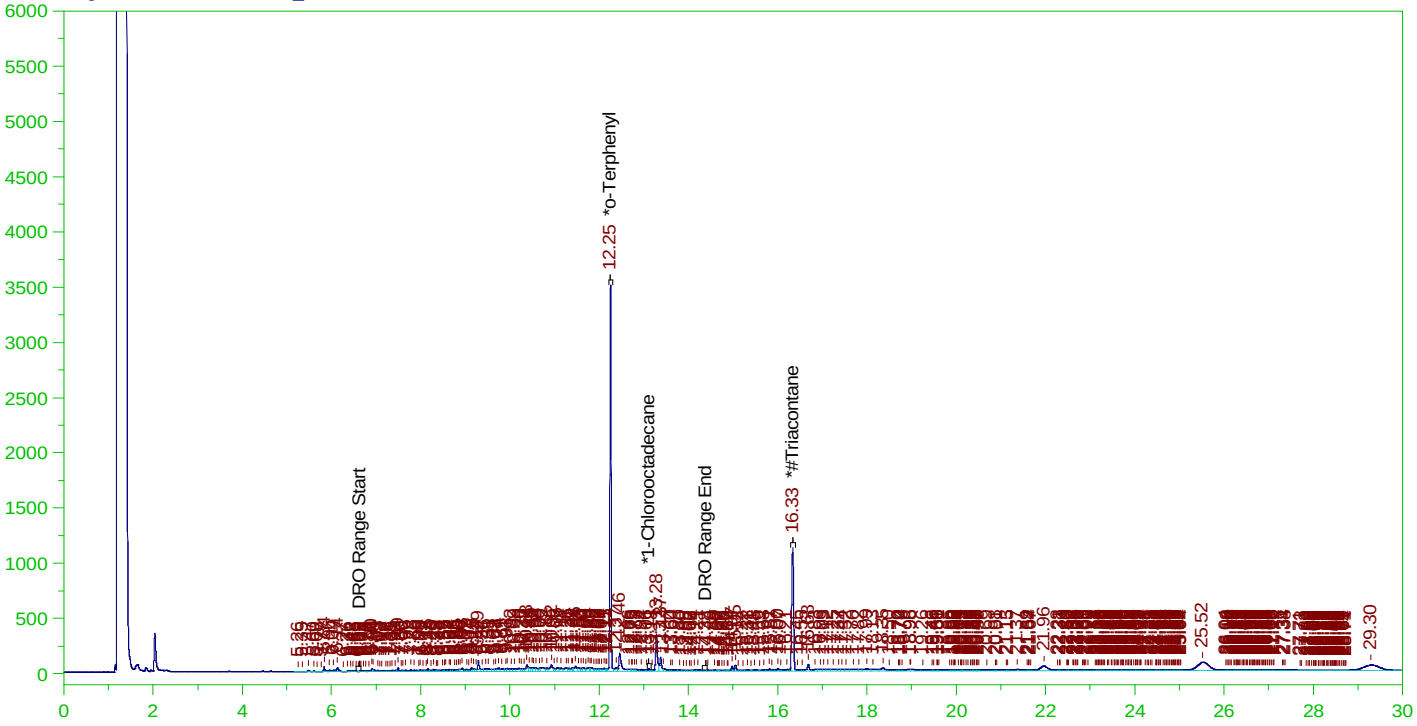
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.334	.478	.101	21.09	-

RRO Area:3242306 RRO AMOUNT: 0.1174167

ERH2514 (RHMW01R) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0017.RAW B22020415-006D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: B22020415-006D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0017.RAW
Date & Time Acquired: 2/9/2022 9:35:56 PM
Method File: G:\Org\HP5\Methods\D3_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

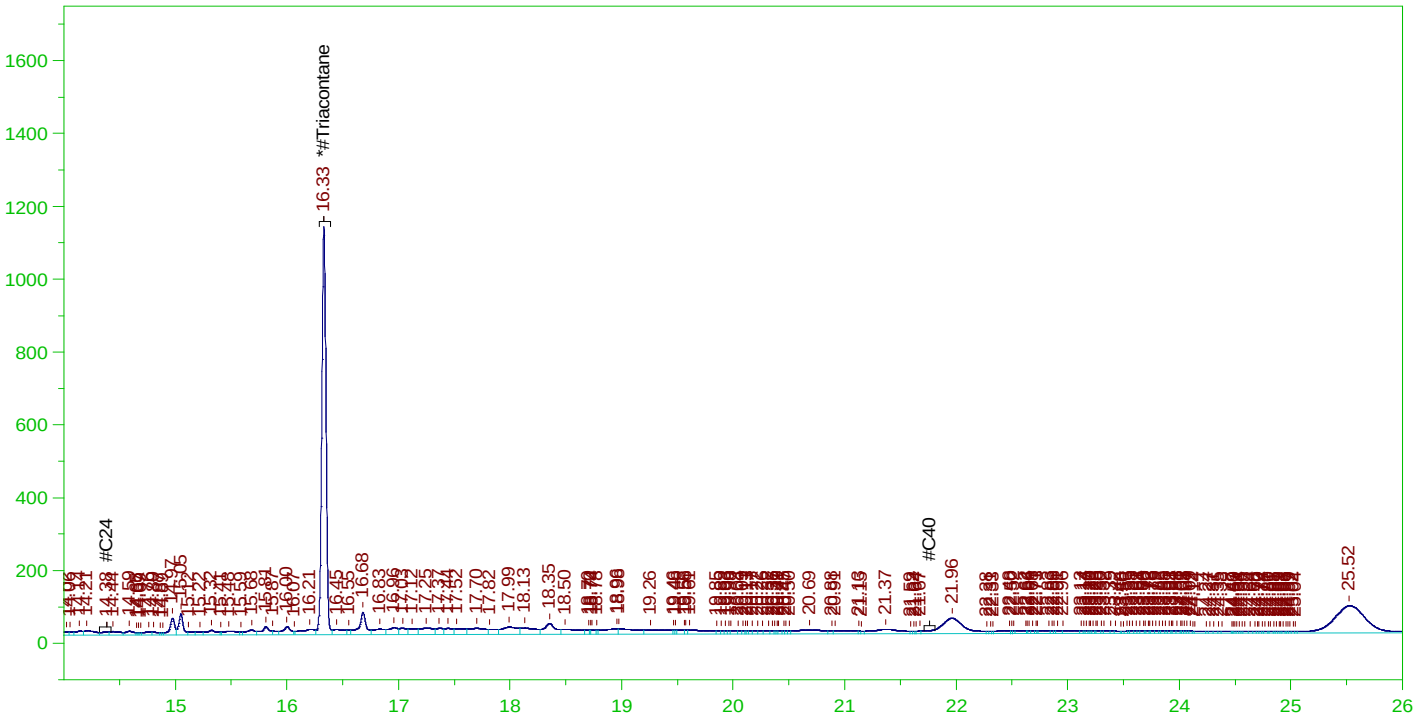
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.194	.181	93.15	-
*1-Chlorooctadecane	13.107	.194	.003	1.35	-
*#Triacontane	16.332	.194	.098	50.28	-

DRO Area:1.013063E+07 DRO Amount: 0.3010084
TEH Area:2.064761E+07 TEH Amount: 0.6134966

ERH2514 (RHMW01R) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0017.RAW B22020415-006D ;0209HP5 , $HC-8015-DRO-W,



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-006D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0017.RAW
Date & Time Acquired: 2/9/2022 9:35:56 PM
Method File: G:\Org\HP5\Methods\D3_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.332	.485	.098	20.12	-

RRO Area:5277806 RRO AMOUNT: 0.1939137

ERH2507 (OWDFMW07A) Batch ID: 163616

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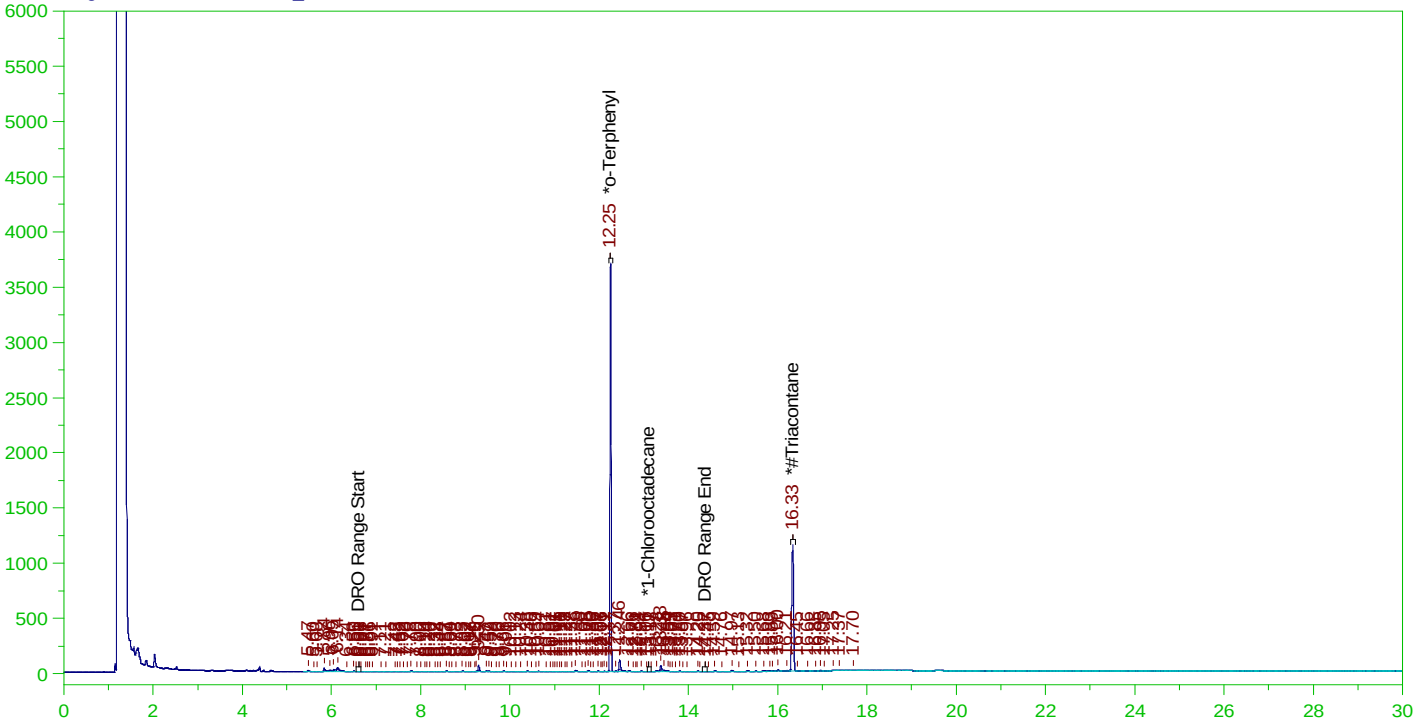


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-011D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0014.RAW
Date & Time Acquired: 2/9/2022 7:27:01 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

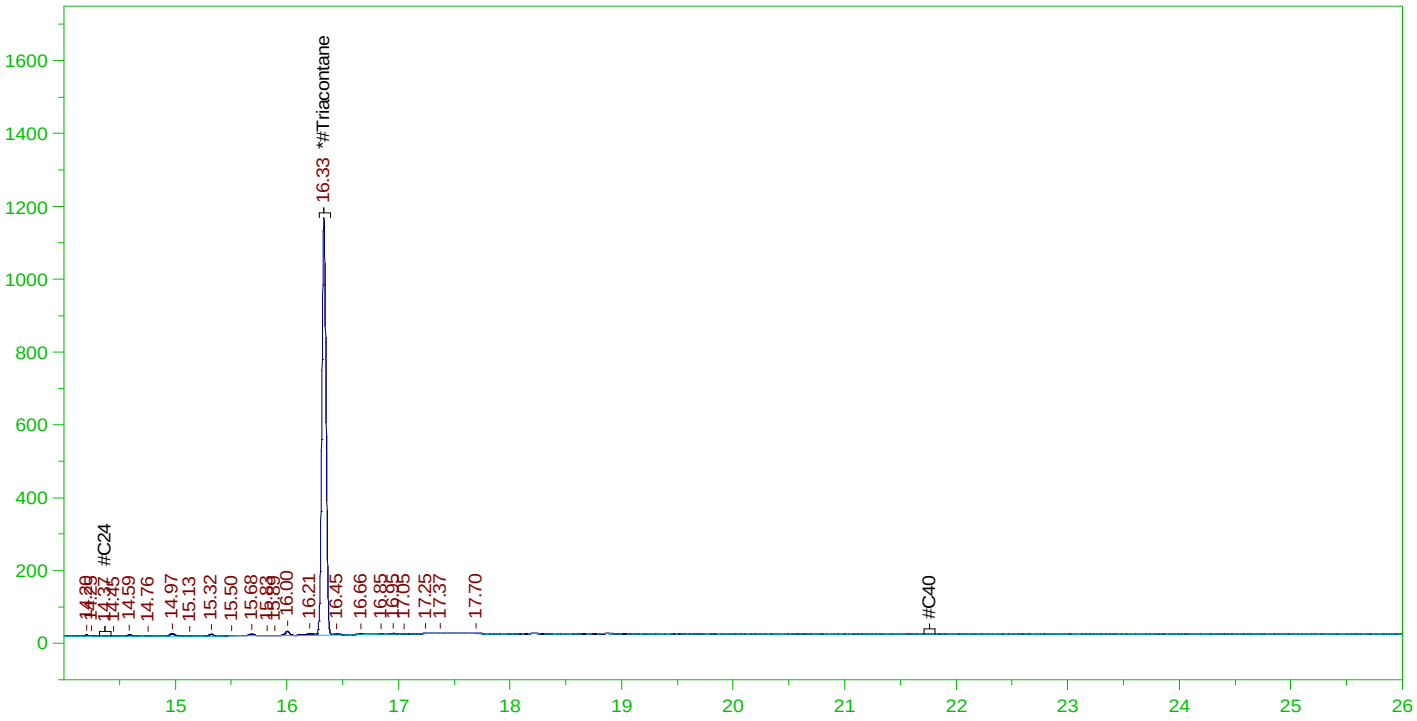
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.19	.182	95.74	-
*1-Chlorooctadecane	13.107	.19	.	.09	-
*#Triacontane	16.332	.19	.096	50.45	-

DRO Area:1086124 DRO Amount: 0.031657
TEH Area:1733538 TEH Amount: 5.052701E-02

ERH2507 (OWDFMW07A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0014.RAW B22020415-011D ;0209HP5 , $HC-8015-DRO-W,



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-011D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0014.RAW
Date & Time Acquired: 2/9/2022 7:27:01 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.332	.476	.096	20.18	-

RRO Area:168512.7 RRO AMOUNT: 6.073453E-03

ERH2510 (OWDFMW08A) Batch ID: 163616

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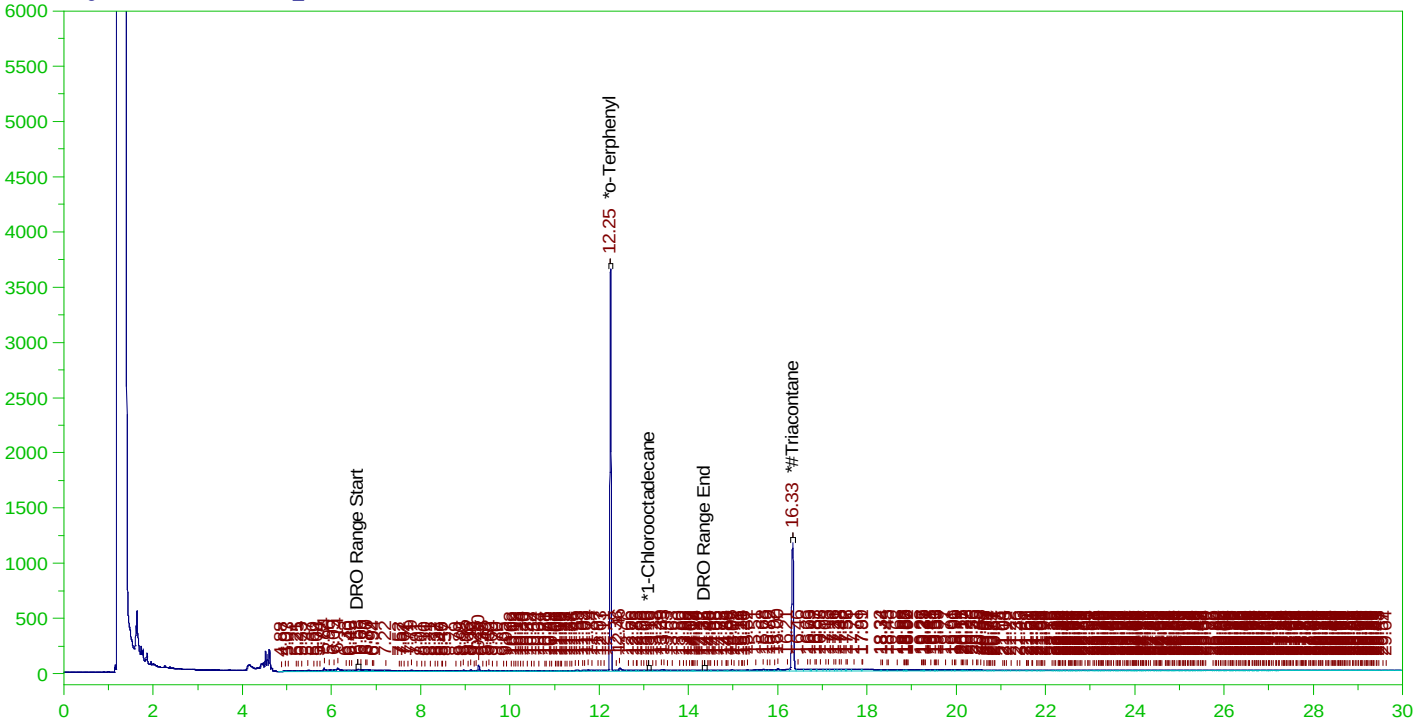


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-016B ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0015.RAW
Date & Time Acquired: 2/9/2022 8:09:58 PM
Method File: G:\Org\HP5\Methods\D3_8015-020915-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

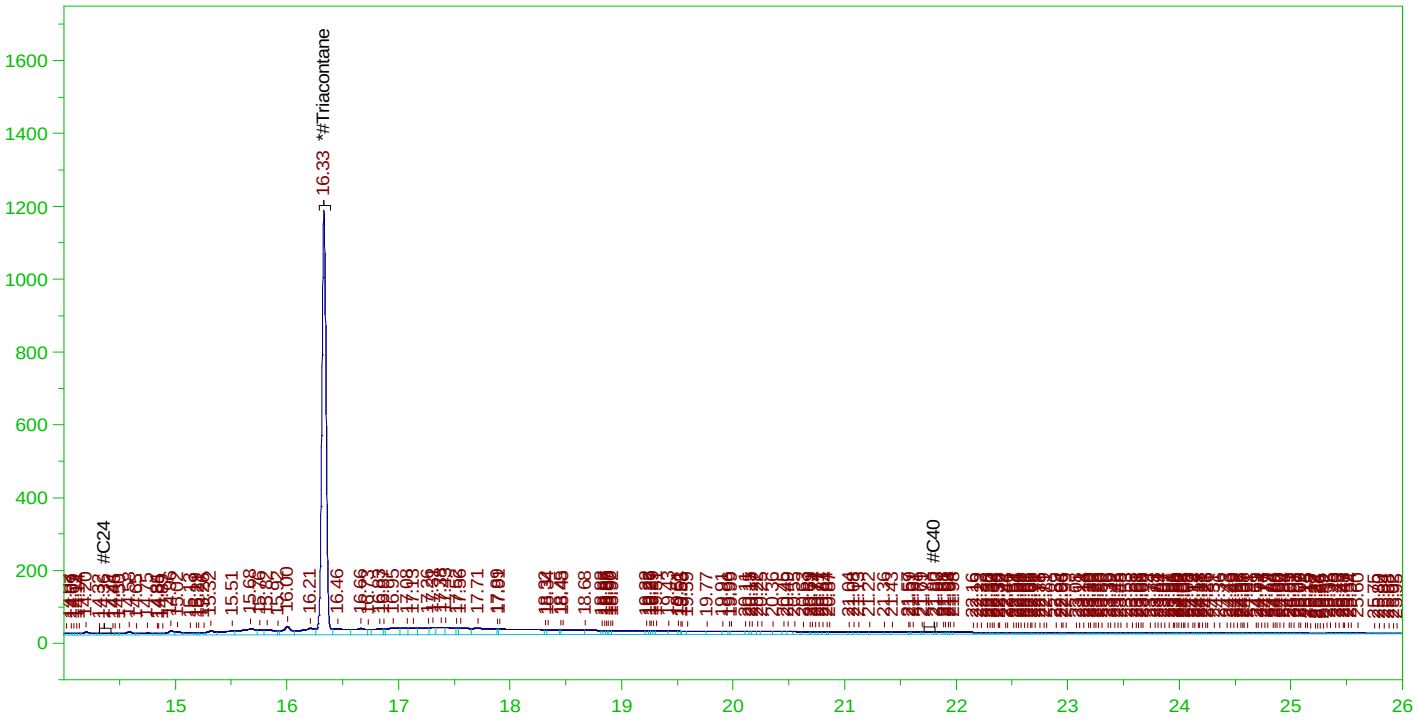
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.189	.179	95.08	-
*1-Chlorooctadecane	13.101	.189	.001	.49	-
*#Triacontane	16.332	.189	.1	52.96	-

DRO Area:2616285 DRO Amount: 7.553684E-02
TEH Area:9591447 TEH Amount: 0.2769223

ERH2510 (OWDFMW08A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0015.RAW B22020415-016B ;0209HP5 , $HC-8015-DRO-W,



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-016B ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0015.RAW
Date & Time Acquired: 2/9/2022 8:09:58 PM
Method File: G:\Org\HP5\Methods\D3_OROS-020915-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

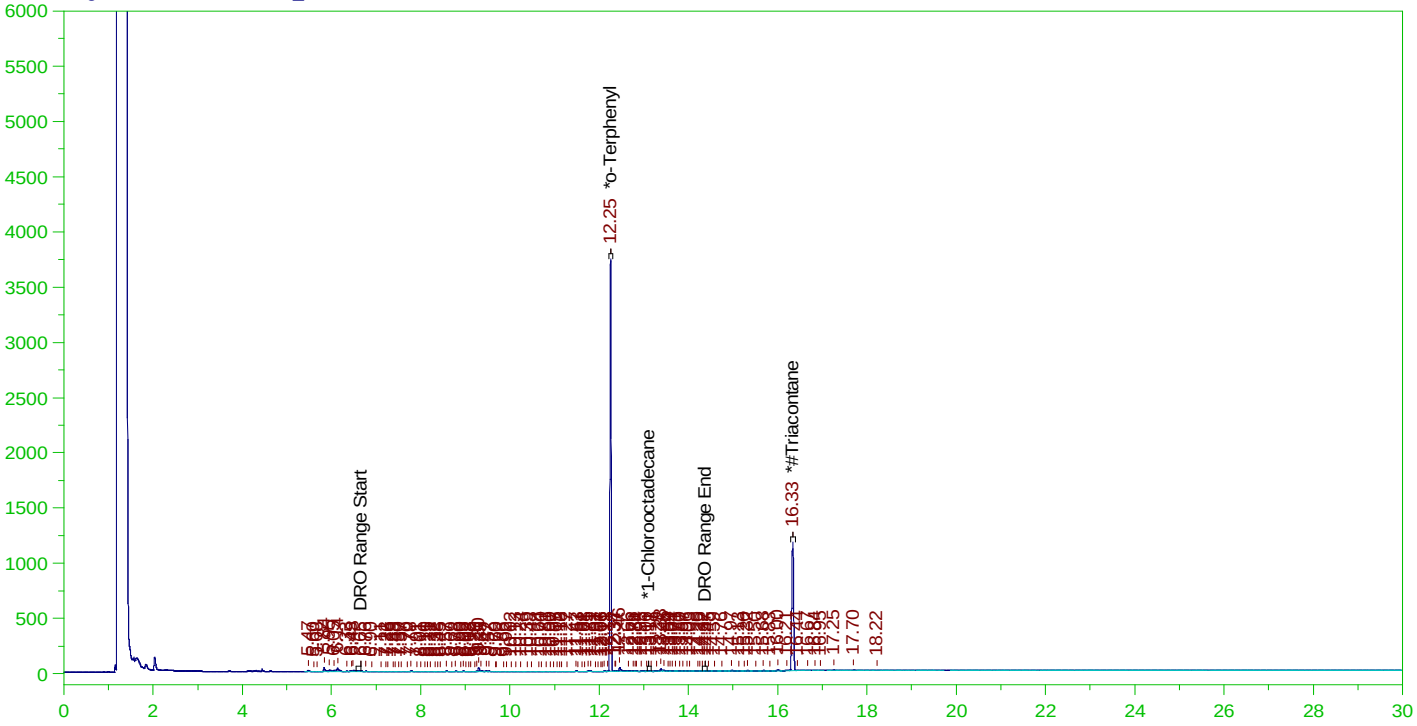
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.332	.472	.1	21.16	-

RRO Area:4812965 RRO AMOUNT: 0.1718301

ERH2509 (OWDFMW08A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0016.RAW B22020415-017D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-017D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0016.RAW
Date & Time Acquired: 2/9/2022 8:53:03 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

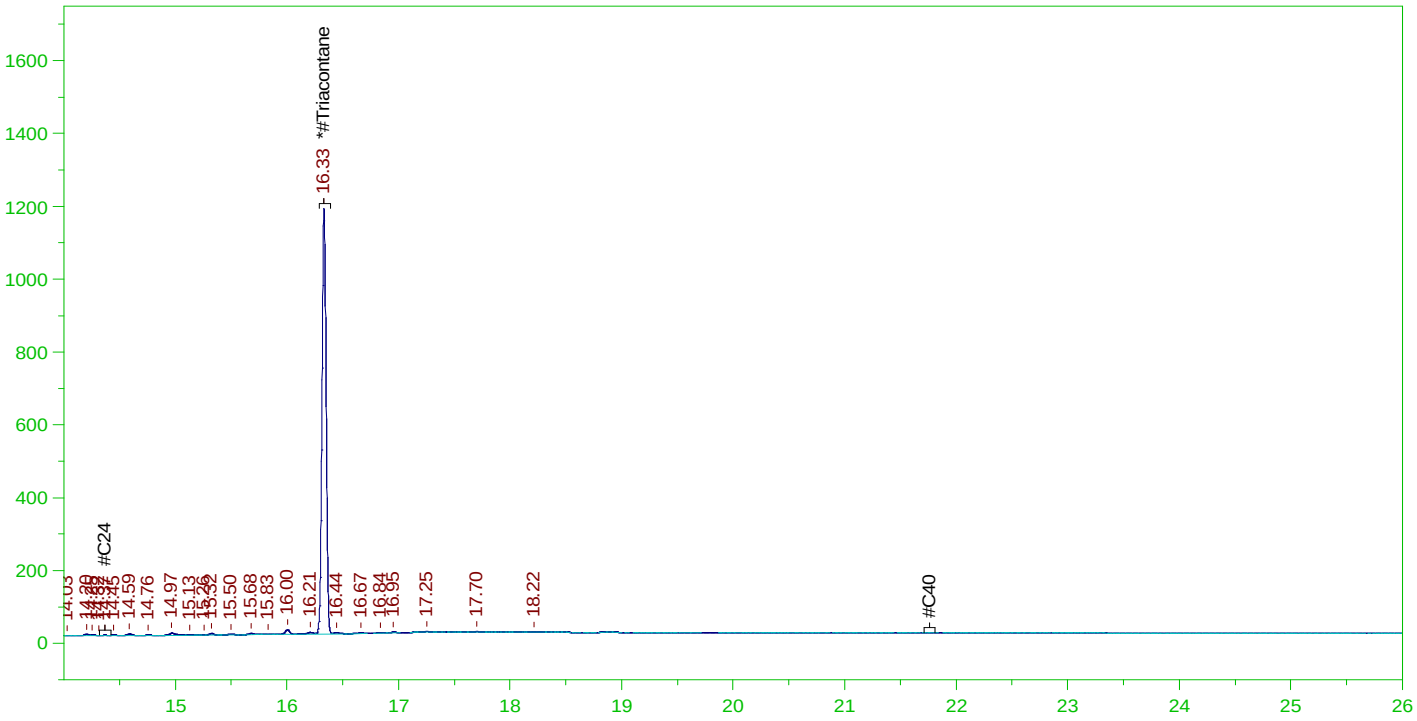
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.189	.182	96.23	-
*1-Chlorooctadecane	13.105	.189	.07		-
*#Triacontane	16.333	.189	.097	51.22	-

DRO Area:730882.8 DRO Amount: 0.0211019
TEH Area:1355878 TEH Amount: 3.914663E-02

ERH2509 (OWDFMW08A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0016.RAW B22020415-017D ;0209HP5 , $HC-8015-DRO-W,



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-017D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0016.RAW
Date & Time Acquired: 2/9/2022 8:53:03 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

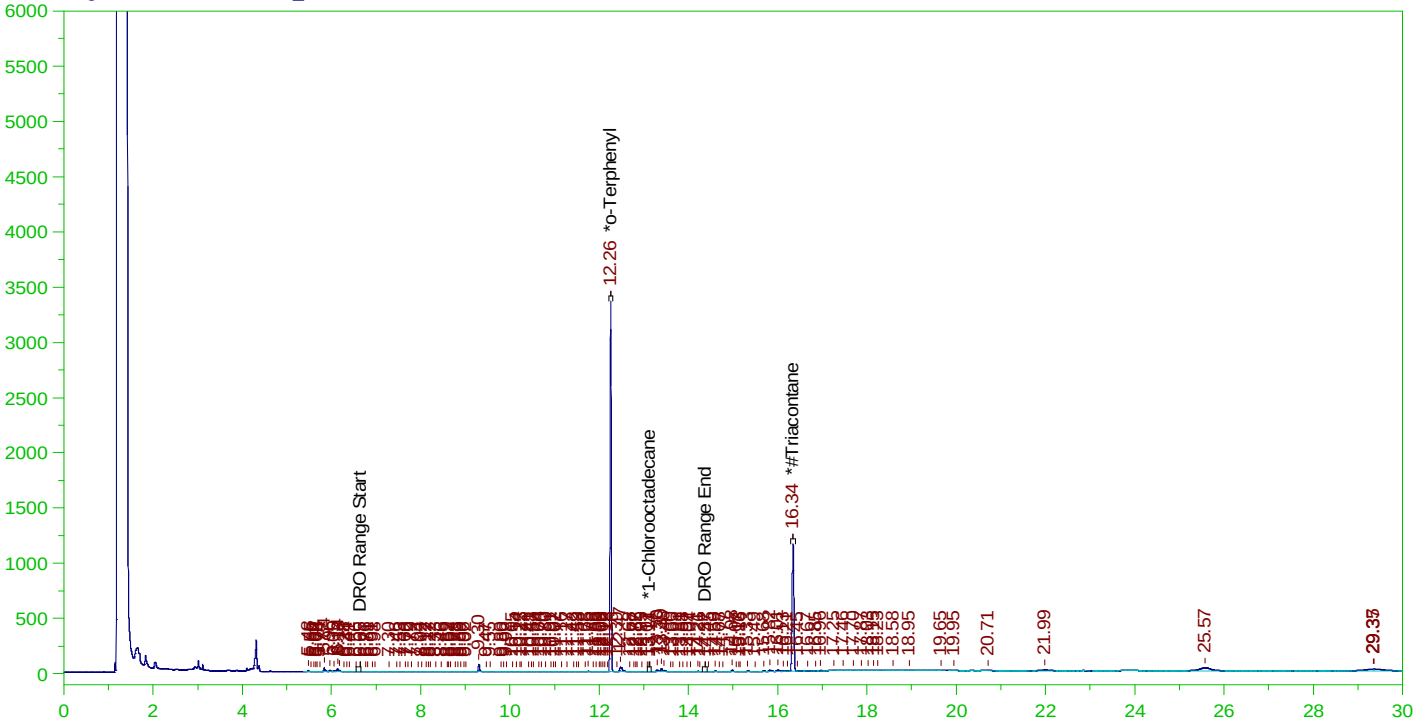
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.333	.472	.097	20.49	-

RRO Area:181631.5 RRO AMOUNT: 6.484517E-03

ERH2512 (RHMW19) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0040.RAW B22020415-022D ;0209HP5 , $HC-8015-DRO-W, RR



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-022D ;0209HP5 , $HC-8015-DRO-W, RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0040.RAW
Date & Time Acquired: 2/10/2022 2:40:33 PM
Method File: G:\Org\HP5\Methods\DR_8015-020940-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

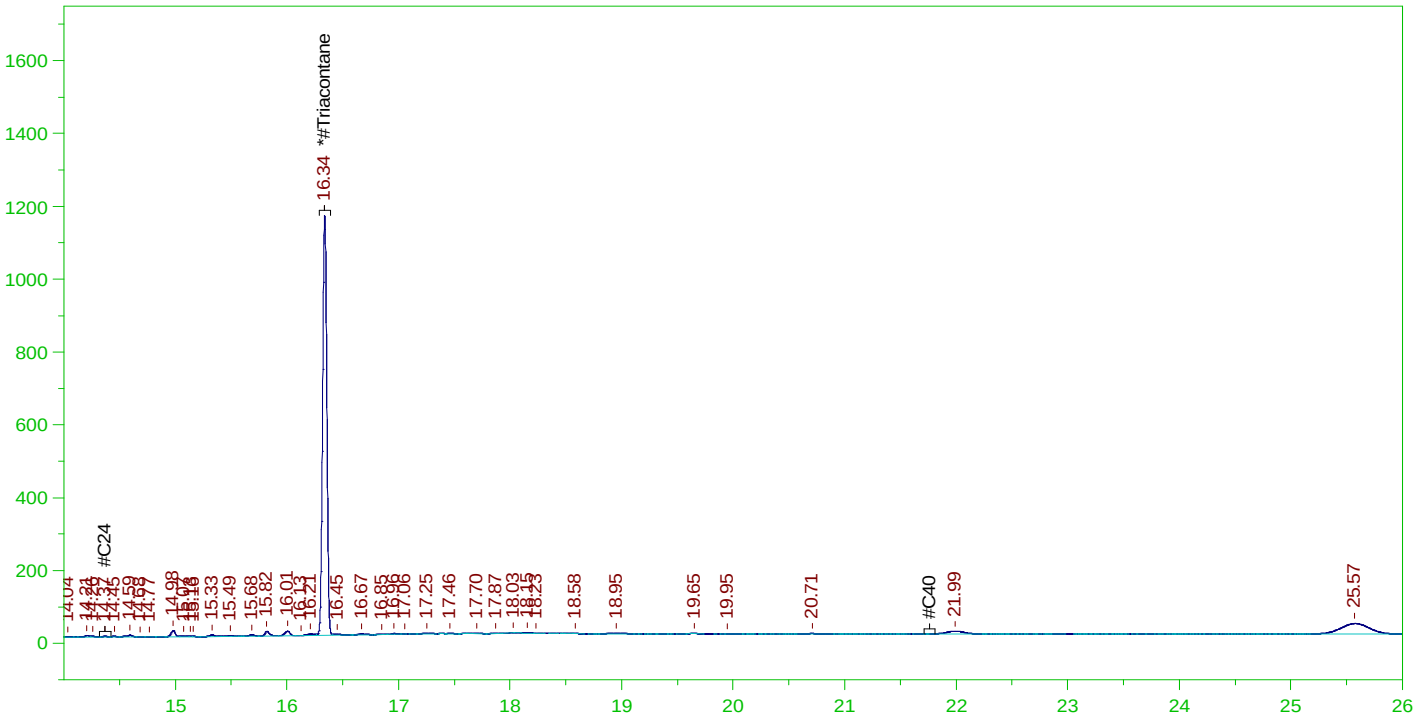
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.256	.189	.167	88.41	-
*1-Chlorooctadecane	13.113	.189	.	.02	-
*#Triacontane	16.339	.189	.096	50.93	-

DRO Area:814494.2 DRO Amount: 2.351591E-02
TEH Area:2526302 TEH Amount: 7.293886E-02

ERH2512 (RHMW19) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0040.RAW B22020415-022D ;0209HP5 , $HC-8015-DRO-W, RR



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-022D ;0209HP5 , $HC-8015-DRO-W, RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0040.RAW
Date & Time Acquired: 2/10/2022 2:40:33 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

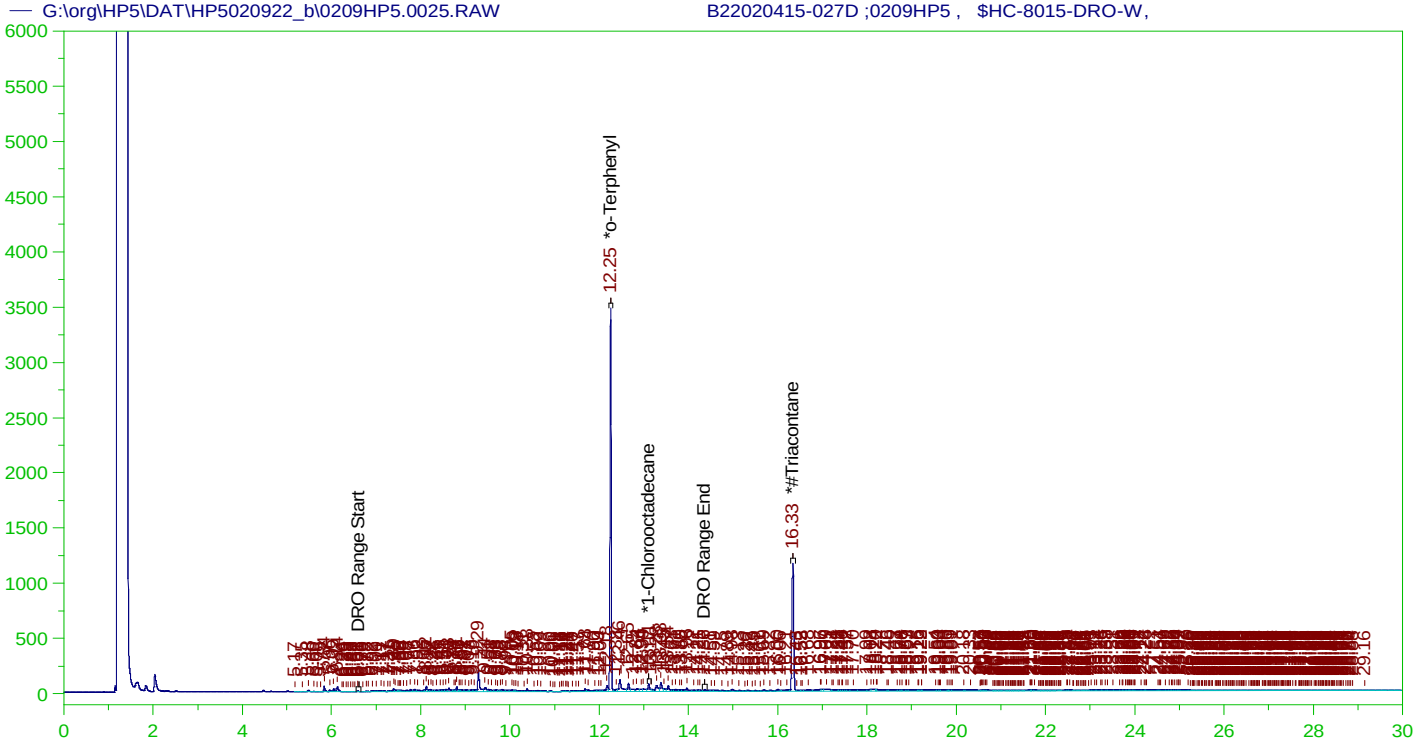
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.339	.472	.096	20.37	-

RRO Area:297873.4 RRO AMOUNT: 1.063453E-02

ERH2516 (RHMW2254-01 Bailer) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0025.RAW B22020415-027D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-027D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0025.RAW
Date & Time Acquired: 2/10/2022 3:21:11 AM
Method File: G:\Org\HP5\Methods\D3_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

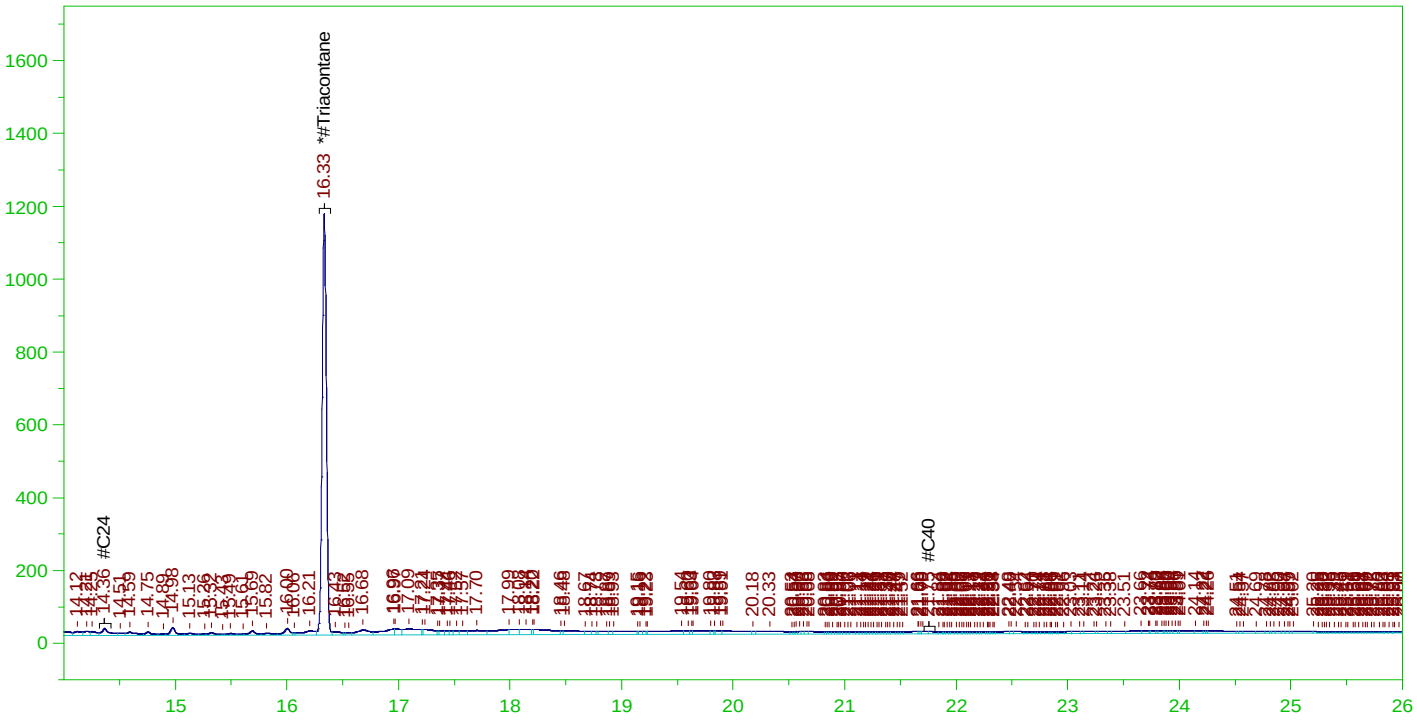
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.254	.19	.176	92.48	-
*1-Chlorooctadecane	13.106	.19	.006	2.89	-
*#Triacontane	16.335	.19	.098	51.49	-

DRO Area:6420128 DRO Amount: 0.1871259
TEH Area:1.215804E+07 TEH Amount: 0.3543674

ERH2516 (RHMW2254-01 Bailer) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0025.RAW B22020415-027D ;0209HP5 , $HC-8015-DRO-W,



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-027D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0025.RAW
Date & Time Acquired: 2/10/2022 3:21:11 AM
Method File: G:\Org\HP5\Methods\D3_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

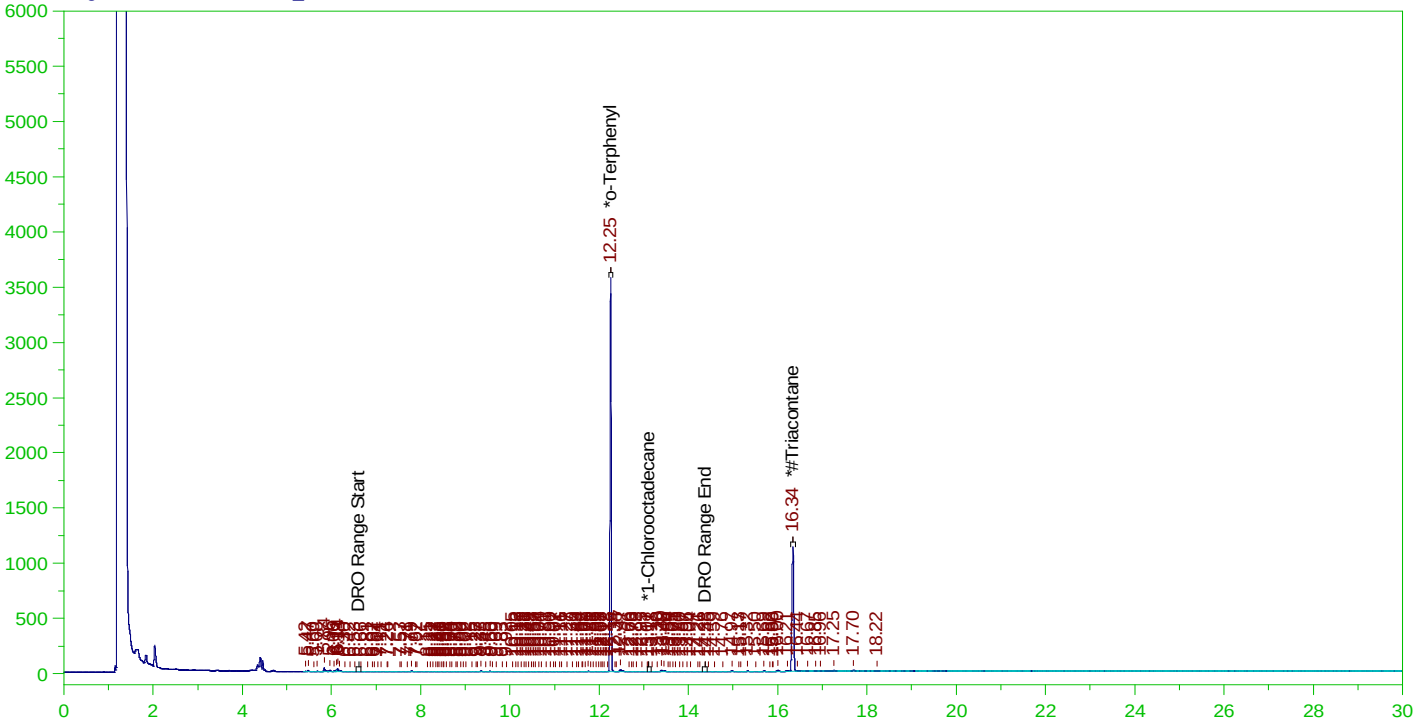
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.335	.476	.098	20.6	-

RRO Area:3715085 RRO AMOUNT: 0.1338973

ERH2519 (RHMW2254-01 Low Flow) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0039.RAW B22020415-032D ;0209HP5 , $HC-8015-DRO-W, RR



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-032D ;0209HP5 , $HC-8015-DRO-W, RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0039.RAW
Date & Time Acquired: 2/10/2022 1:57:43 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1055 Dilution: 1 S.A.: 1

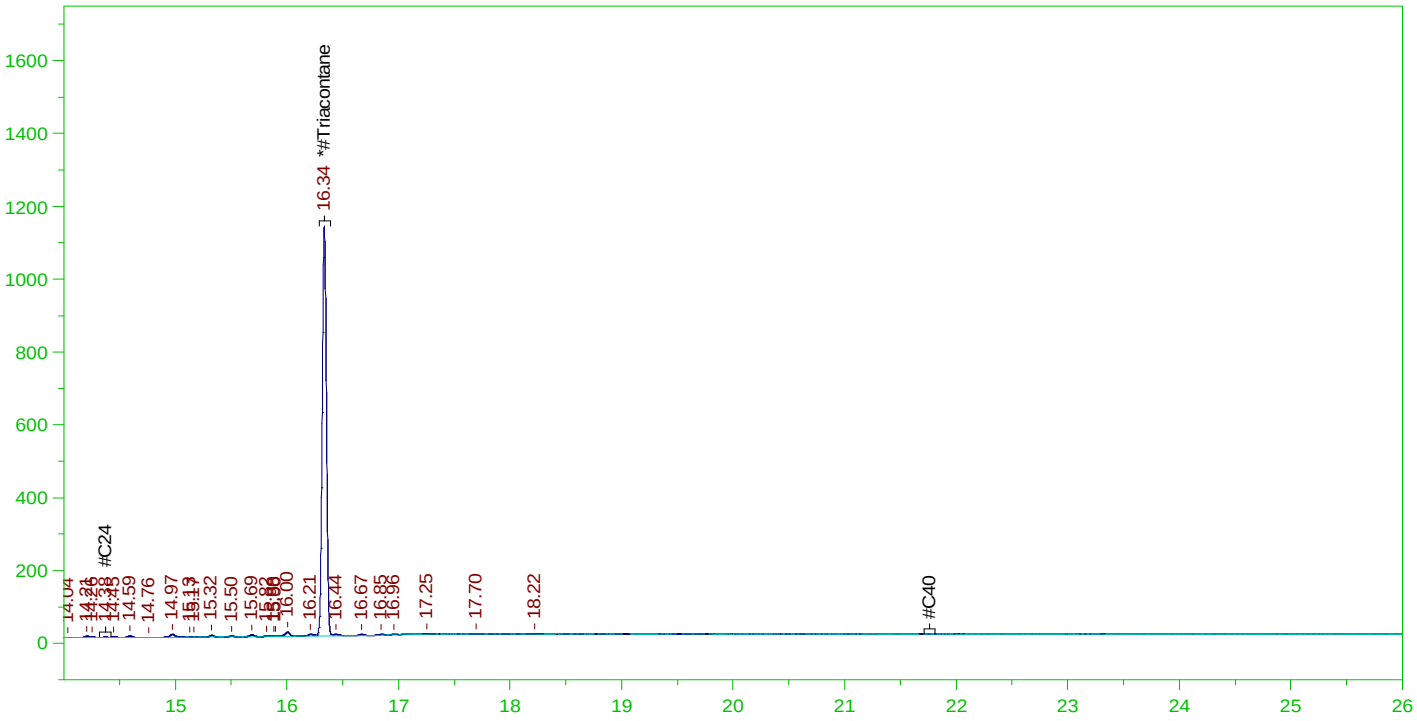
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.254	.19	.176	92.73	-
*1-Chlorooctadecane	13.108	.19	.	.06	-
*#Triacontane	16.335	.19	.094	49.59	-

DRO Area:552482.5 DRO Amount: 1.602676E-02
TEH Area:1099621 TEH Amount: 3.189849E-02

ERH2519 (RHMW2254-01 Low Flow) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0039.RAW B22020415-032D ;0209HP5 , $HC-8015-DRO-W, RR



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-032D ;0209HP5 , $HC-8015-DRO-W, RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0039.RAW
Date & Time Acquired: 2/10/2022 1:57:43 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1055 Dilution: 1 S.A.: 1

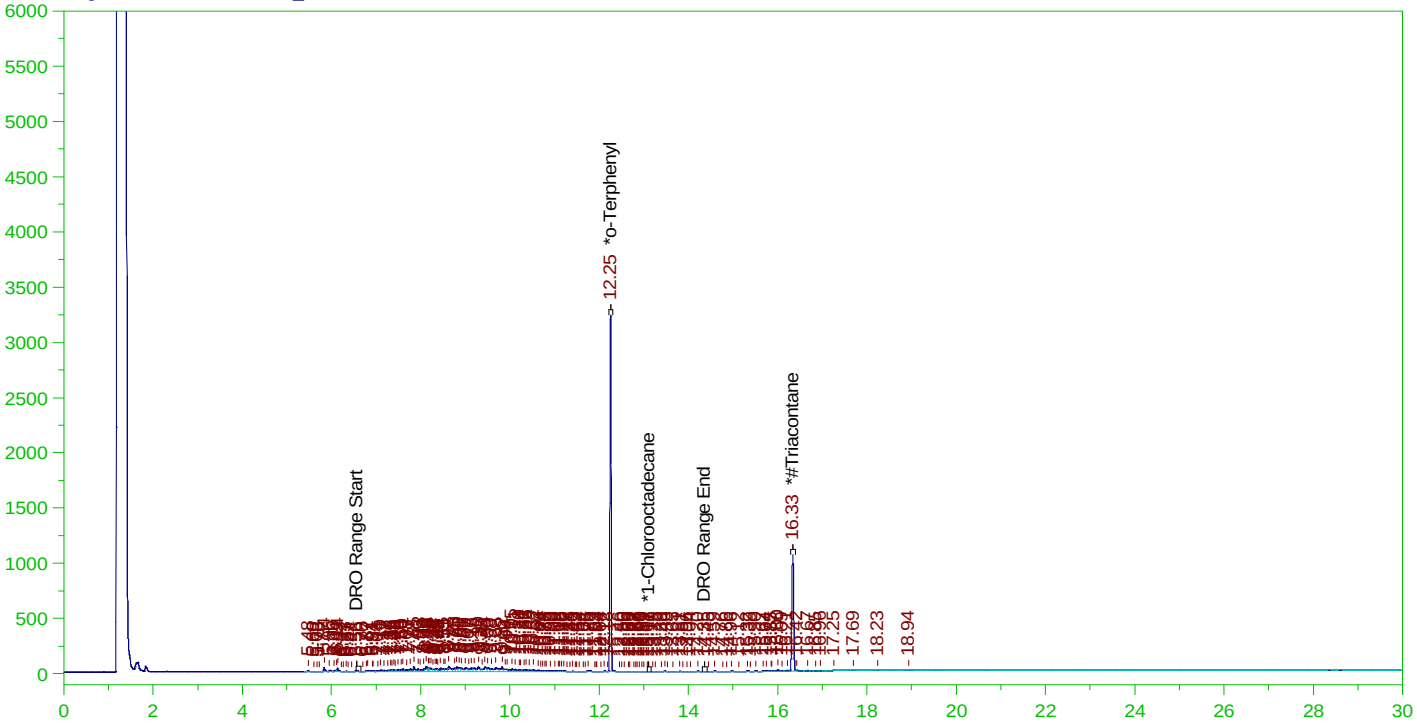
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.335	.474	.094	19.83	-

RRO Area:191151.8 RRO AMOUNT: 6.856748E-03

ERH2522 (Sump Adit 3) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0044.RAW B22020415-001D ;0209HP5 , $HC-8015-DRO-W, SGT



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-001D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0044.RAW
Date & Time Acquired: 2/10/2022 5:32:05 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

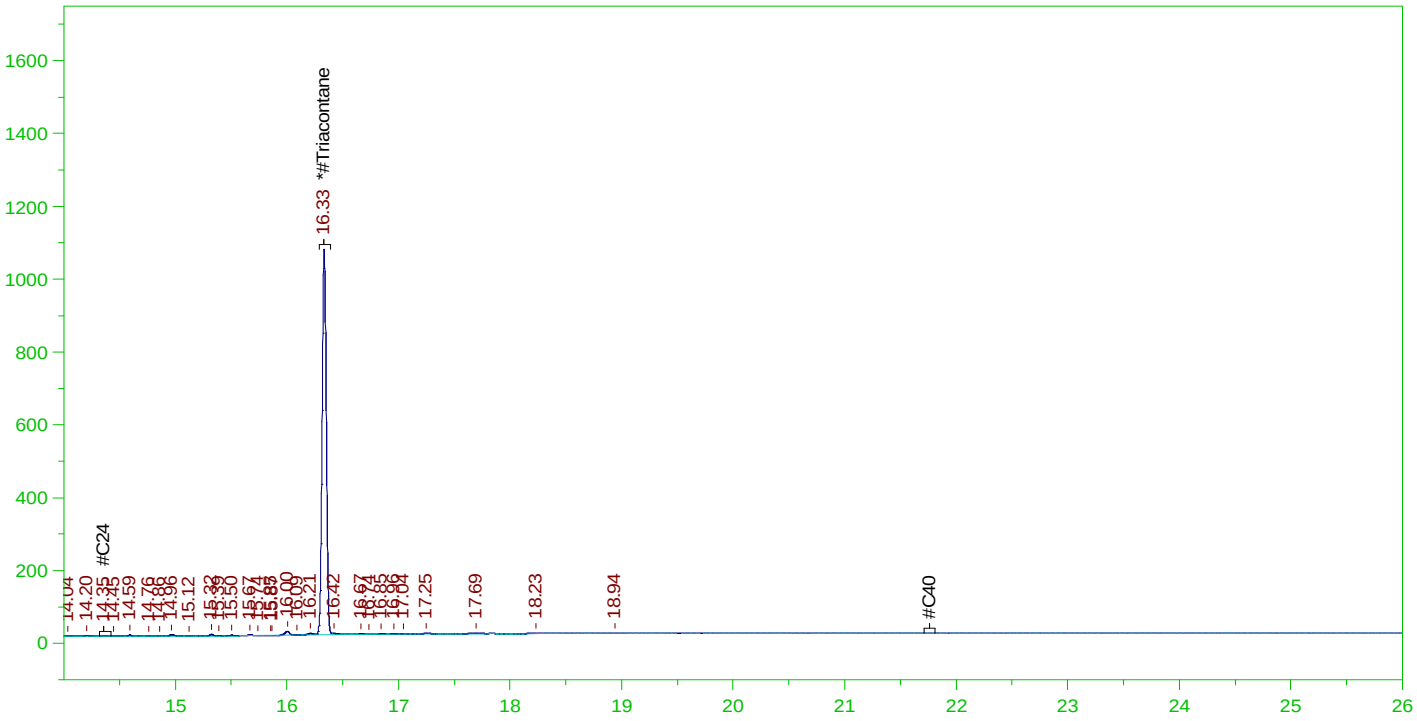
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.191	.163	85.23	-
*1-Chlorooctadecane	13.112	.191	.	.07	-
*#Triacontane	16.334	.191	.089	46.72	-

DRO Area:5587970 DRO Amount: 0.1636505
TEH Area:6130092 TEH Amount: 0.1795272

ERH2522 (Sump Adit 3) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0044.RAW B22020415-001D ;0209HP5 , $HC-8015-DRO-W, SGT



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-001D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0044.RAW
Date & Time Acquired: 2/10/2022 5:32:05 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

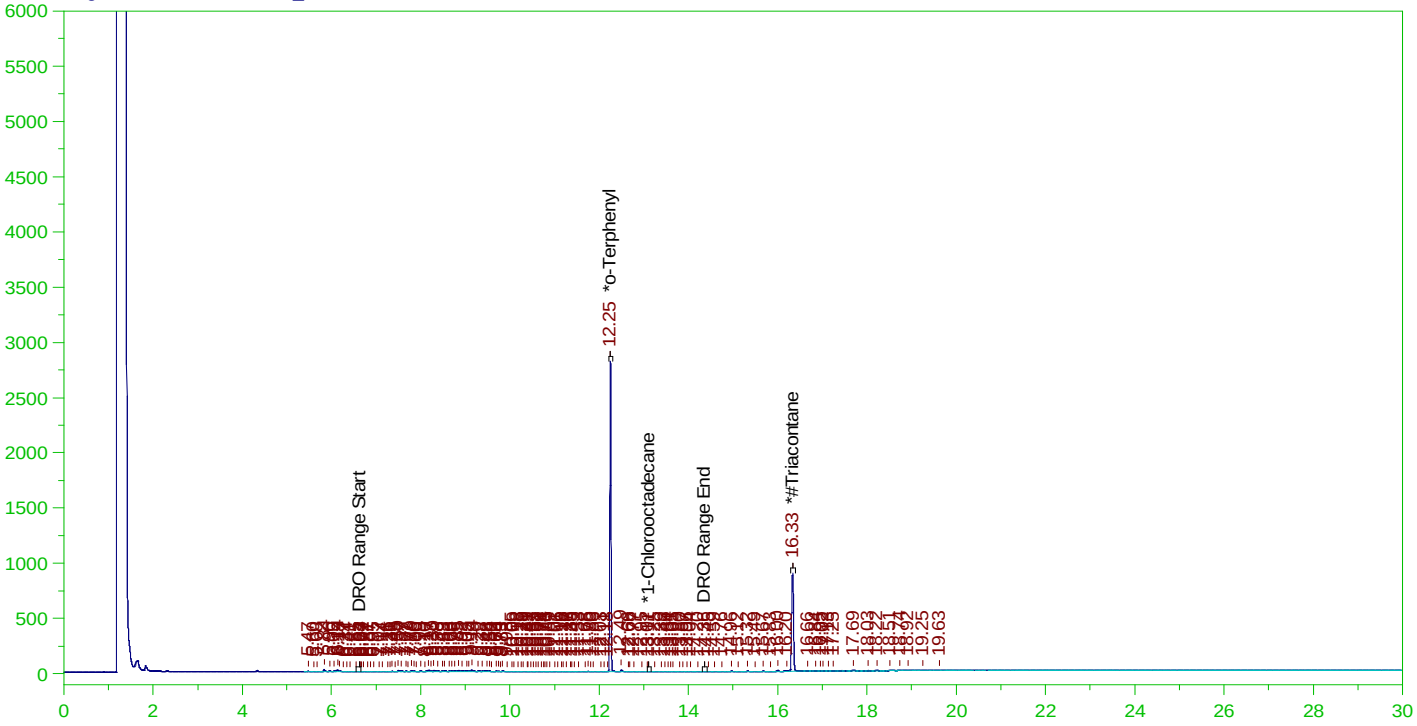
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.334	.478	.089	18.69	-

RRO Area:186885.1 RRO AMOUNT: 6.767849E-03

ERH2514 (RHMW01R) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0054.RAW B22020415-006D ;0209HP5 , $HC-8015-DRO-W, SGT



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: B22020415-006D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0054.RAW
Date & Time Acquired: 2/11/2022 12:42:17 AM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

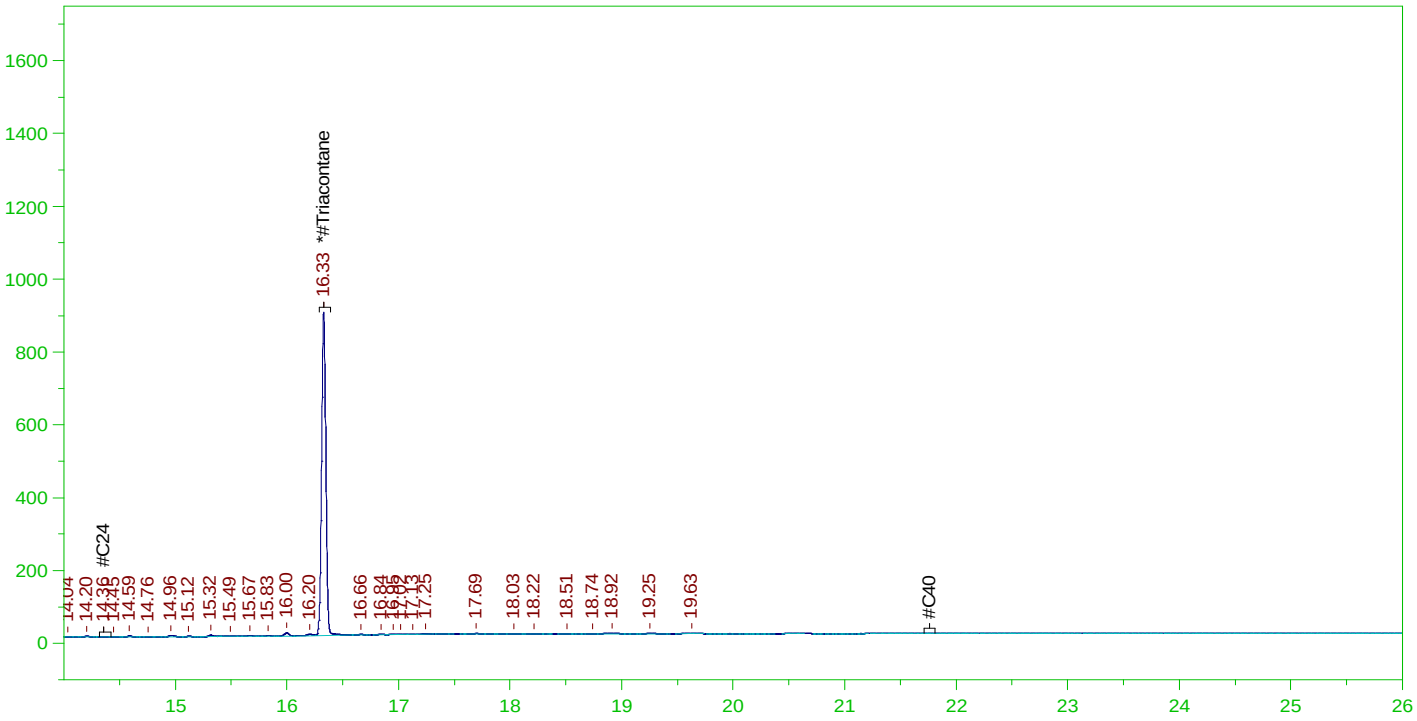
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.249	.194	.143	73.72	-
*1-Chlorooctadecane	13.105	.194	.03		-
*#Triacontane	16.33	.194	.078	40.16	-

DRO Area:1156980 DRO Amount: 3.437703E-02
TEH Area:1549483 TEH Amount: 4.603936E-02

ERH2514 (RHMW01R) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0054.RAW B22020415-006D ;0209HP5 , $HC-8015-DRO-W, SGT



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-006D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0054.RAW
Date & Time Acquired: 2/11/2022 12:42:17 AM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

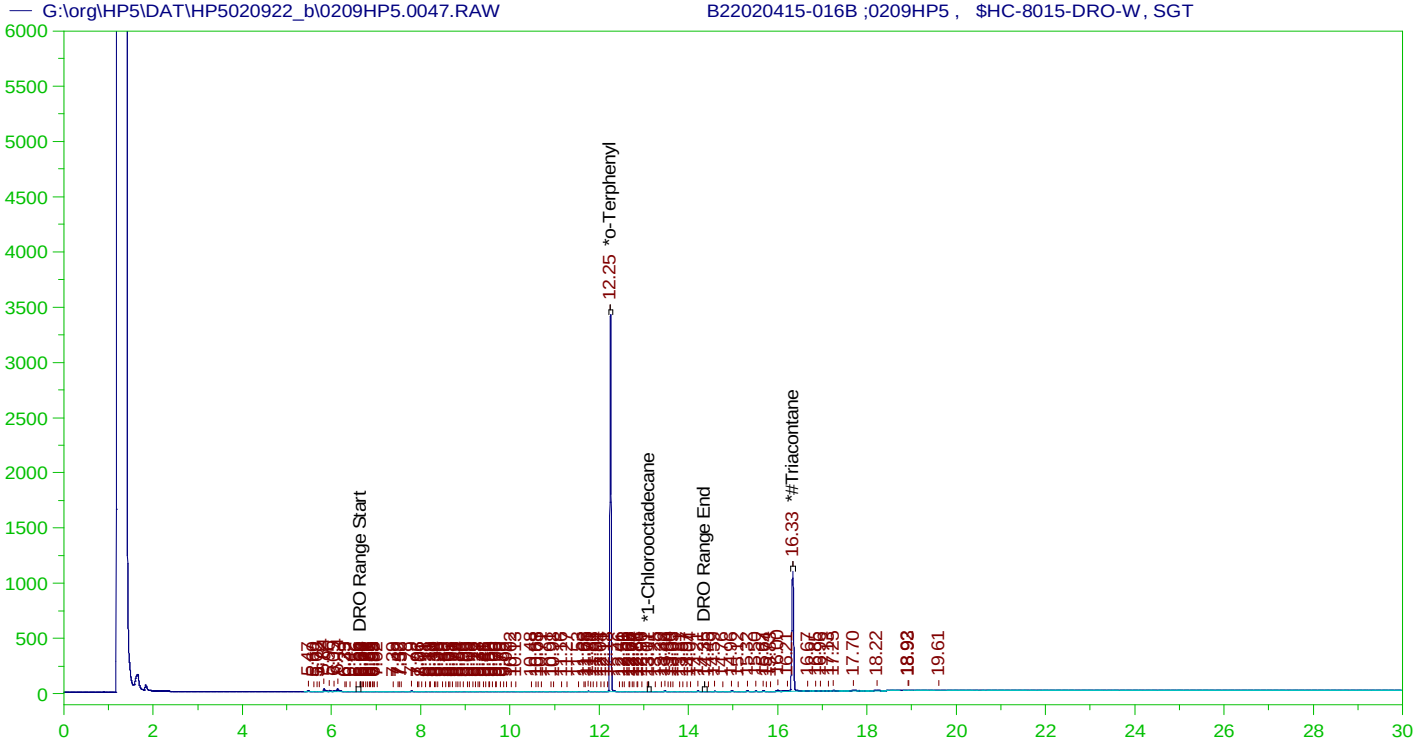
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.33	.485	.078	16.06	-

RRO Area:143879.6 RRO AMOUNT: 5.286332E-03

ERH2510 (OWDFMW08A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0047.RAW B22020415-016B ;0209HP5 , $HC-8015-DRO-W, SGT



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-016B ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0047.RAW
Date & Time Acquired: 2/10/2022 7:41:09 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

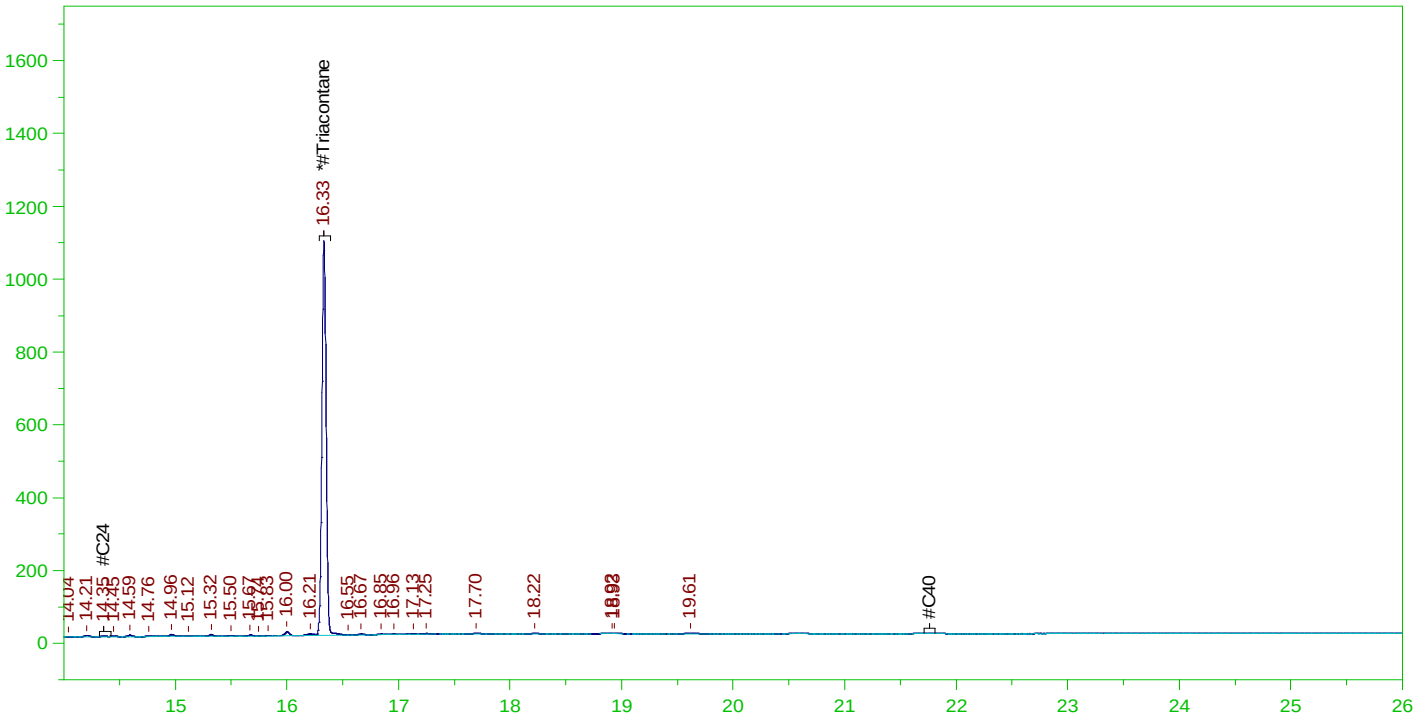
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.251	.189	.168	88.92	-
*1-Chlorooctadecane	13.108	.189	.	.05	-
*#Triacontane	16.332	.189	.092	48.74	-

DRO Area:252327.7 DRO Amount: 7.285153E-03
TEH Area:734472.4 TEH Amount: 2.120554E-02

ERH2510 (OWDFMW08A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0047.RAW B22020415-016B ;0209HP5 , $HC-8015-DRO-W, SGT



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-016B ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0047.RAW
Date & Time Acquired: 2/10/2022 7:41:09 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

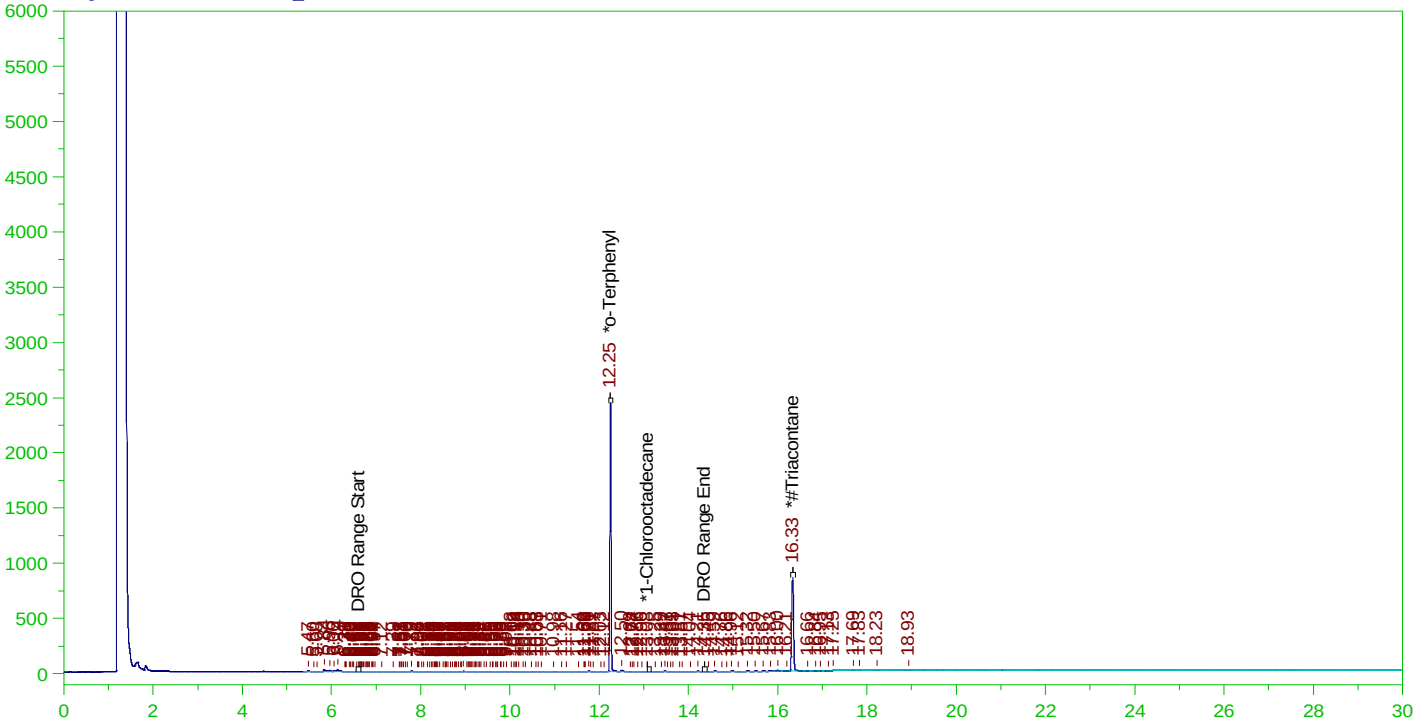
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.332	.472	.092	19.51	-

RRO Area:164043.6 RRO AMOUNT: 5.856604E-03

ERH2512 (RHMW19) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0049.RAW B22020415-022D ;0209HP5 , $HC-8015-DRO-W, SGT



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-022D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0049.RAW
Date & Time Acquired: 2/10/2022 9:06:58 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

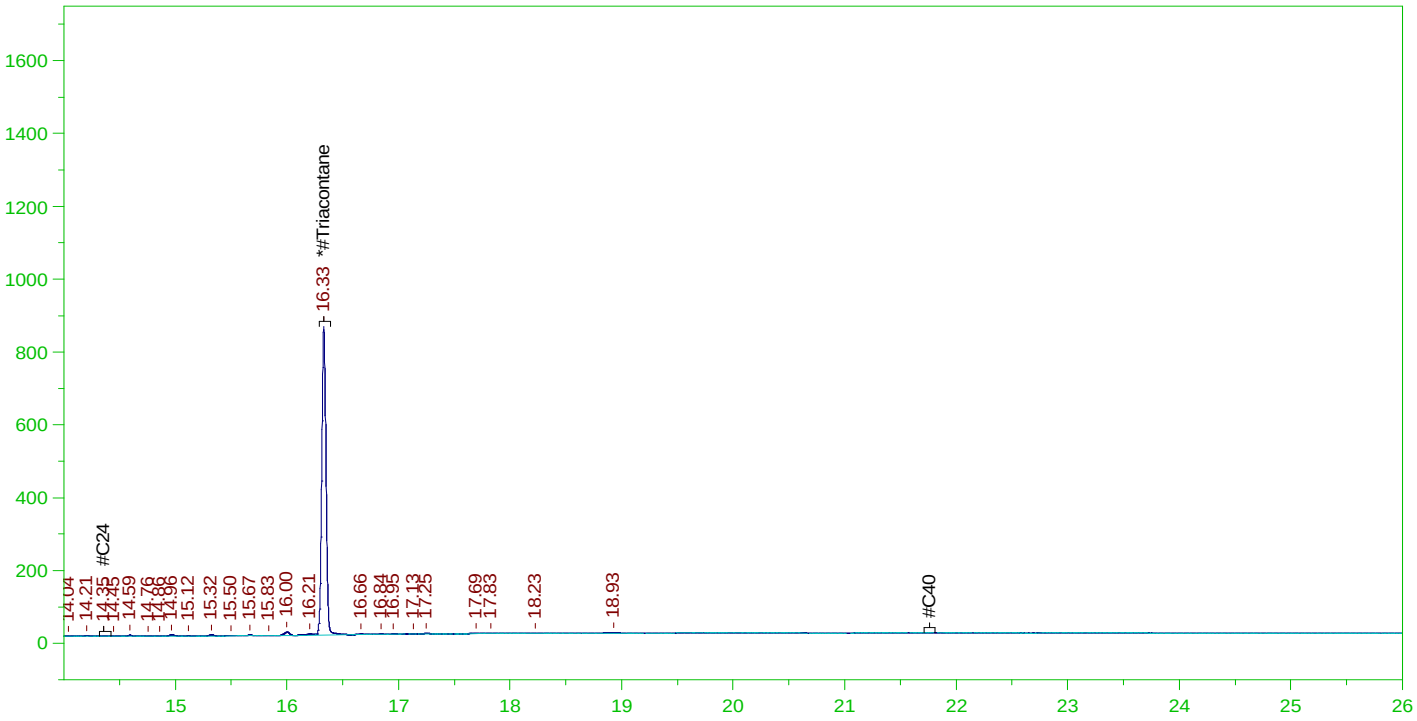
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.251	.189	.122	64.51	-
*1-Chlorooctadecane	13.076	.189	.07		-
*#Triacontane	16.331	.189	.072	38.24	-

DRO Area:259482.6 DRO Amount: 7.491728E-03
TEH Area:623251.3 TEH Amount: 1.799438E-02

ERH2512 (RHMW19) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0049.RAW B22020415-022D ;0209HP5 , $HC-8015-DRO-W, SGT



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-022D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0049.RAW
Date & Time Acquired: 2/10/2022 9:06:58 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

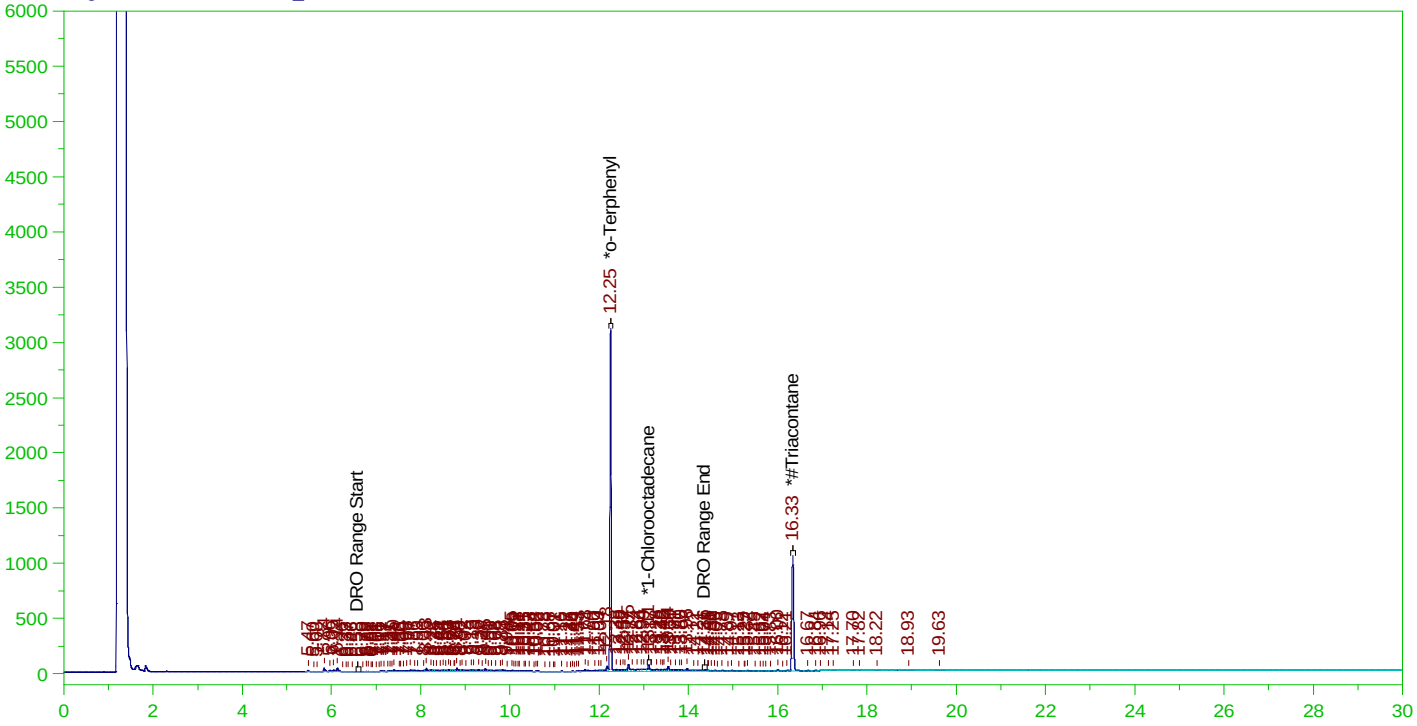
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.331	.472	.072	15.31	-

RRO Area:136575.2 RRO AMOUNT: 4.87594E-03

ERH2516 (RHMW2254-01 Bailer) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0048.RAW B22020415-027D ;0209HP5 , $HC-8015-DRO-W, SGT



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-027D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0048.RAW
Date & Time Acquired: 2/10/2022 8:23:55 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

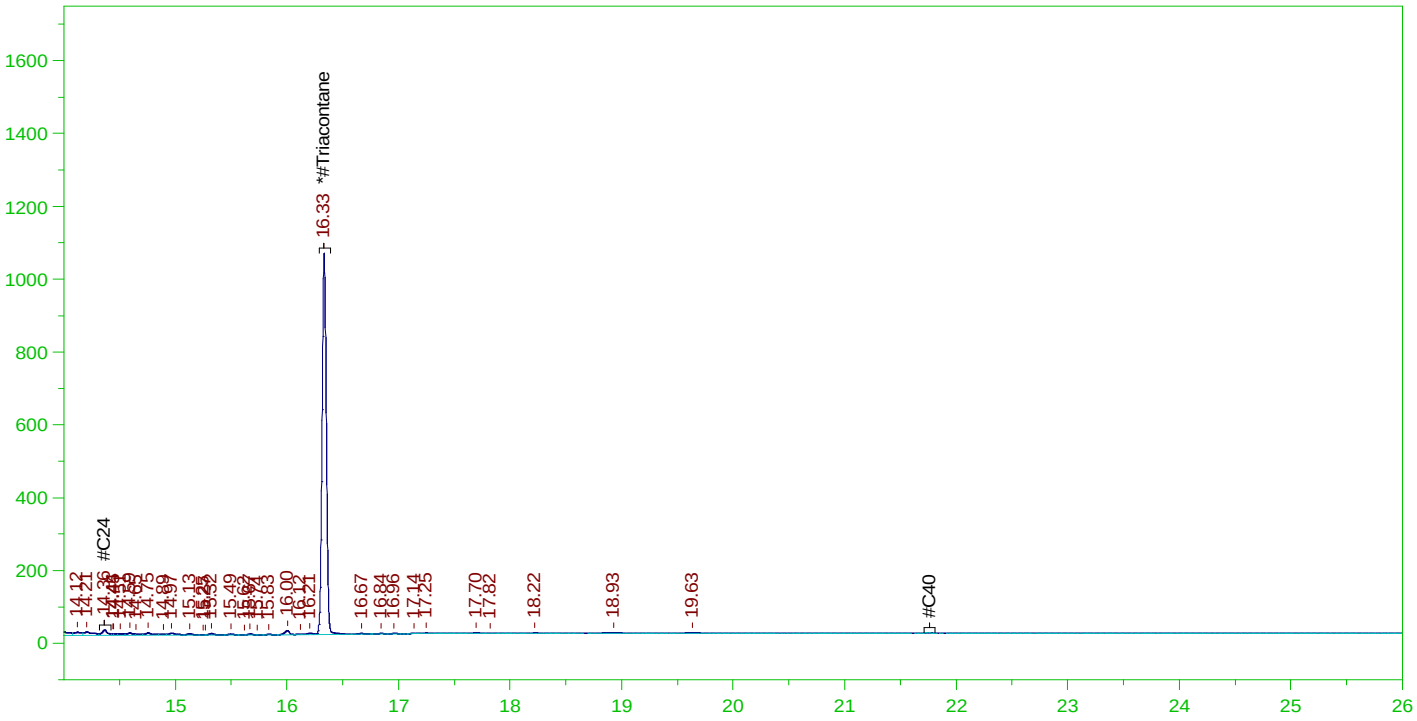
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.19	.156	81.87	-
*1-Chlorooctadecane	13.105	.19	.005	2.62	-
*#Triacontane	16.334	.19	.089	46.98	-

DRO Area:4291110 DRO Amount: 0.125072
TEH Area:4934664 TEH Amount: 0.1438295

ERH2516 (RHMW2254-01 Bailer) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0048.RAW B22020415-027D ;0209HP5 , $HC-8015-DRO-W, SGT



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-027D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0048.RAW
Date & Time Acquired: 2/10/2022 8:23:55 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.334	.476	.089	18.79	-

RRO Area:365926.6 RRO AMOUNT: 1.318855E-02

From: Ramos, Alethea <alethea.ramos@aecom.com>
Sent: Monday, December 13, 2021 3:11 PM
To: Tabitha Edwards
Cc: Pascua, Margie; billingsPM@energylab.com
Subject: RE: [EXTERNAL] FW: CV18F0126: Expedited NOI Groundwater Samples, Saturday 12/12 Submission

Categories: Must Attend

Hi Tabitha,

I believe Casper WY is DoD ELAP accredited in the TOC 9060 method. I spoke to Shari and she indicated there is a daily courier between Billings and Casper, and would be appx. a day delay. Under those stipulations, please subcontract these samples and inform on expedited TAT.

Thank you,

Alethea Ramos, CIH
Environmental Scientist, Environmental Health & Science, Environment
D +1-808-529-7283
M +1-808-389-5383
alethea.ramos@aecom.com

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Suite 1600
Honolulu, HI 96813, United States of America
aecom.com

From: Tabitha Edwards <tedwards@energylab.com>
Sent: Monday, December 13, 2021 7:05 AM
To: Ramos, Alethea <alethea.ramos@aecom.com>
Cc: Pascua, Margie <Margie.Pascua@aecom.com>; billingsPM@energylab.com
Subject: [EXTERNAL] FW: CV18F0126: Expedited NOI Groundwater Samples, Saturday 12/12 Submission
Importance: High

Alethea,

The TOC by 9060 must be subcontracted to our office in Casper, WY. I need authorization from you to subcontract these. Once that has been received we will discuss the TAT with them and let you know what is achievable.

Thank you,

Energy Laboratories, Inc.
Trust our People. Trust our Data.

Tabitha Edwards | Office Manager | Billings, MT
O: 406-869-6286 | tedwards@energylab.com | www.energylab.com

***We want to help you ship successfully**! Please plan ahead and allow extra time to receive supplies from the lab and for the lab to receive your samples. All carriers are in full-swing holiday peak season operating with double the volume and limited capacity. We appreciate your business so please contact your local branch or Project Manager to discuss adjustments to your shipping schedule or to ask questions.*

From: Ramos, Alethea [mailto:alethea.ramos@aecom.com]
Sent: Saturday, December 11, 2021 3:20 AM
To: Shari Endy; billingsPM@energylab.com
Cc: Jillian Miller; Pascua, Margie; KaaihiliChoy, Terri Ann
Subject: CV18F0126: Expedited NOI Groundwater Samples, Saturday 12/12 Submission
Importance: High

Hi Shari and Billings PM,

You will be receiving a Saturday shipment (12/12) of groundwater samples indicated in the attached COCs. We will need results by **Wednesday, December 15th**, and will pay any fees incurred for an expedited TAT. Please proceed with analysis without preservation traceability. Please see below tracking information links:

https://www.fedex.com/fedextrack/?trknbr=287337969629&trkqual=2459558000~287337969629~FX
https://www.fedex.com/fedextrack/?trknbr=287343101019&trkqual=2459559000~287343101019~FX

Thank you,

Alethea Ramos, CIH
Environmental Scientist, Environmental Health & Science, Environment
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PREP BATCH REPORT

Prep Code: **PRP-3010** Technician: **Amanda E. McDaniels** Prep Start Date: **2/8/2022 3:24:21 PM**

Prep Batch **163617** Prep Temp **90.4 °C** Batch Units: **ML** Prep End Date: **2/9/2022 10:24:00 AM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
MB-163617			50	0	0	50	1		2/8/2022	2/9/2022
Temp cell B2, supervised by JPV										
LCS4-163617			50	0	0	50	1		2/8/2022	2/9/2022
B22020415-001B	Ground Water		50	0	0	50	1		2/8/2022	2/9/2022
B22020415-001BMS4			50	0	0	50	1		2/8/2022	2/9/2022
B22020415-001BMSD4			50	0	0	50	1		2/8/2022	2/9/2022
B22020415-006B	Ground Water		50	0	0	50	1		2/8/2022	2/9/2022
B22020415-011B	Ground Water		50	0	0	50	1		2/8/2022	2/9/2022
B22020415-017B	Ground Water		50	0	0	50	1		2/8/2022	2/9/2022
B22020415-022B	Ground Water		50	0	0	50	1		2/8/2022	2/9/2022
B22020415-027B	Ground Water		50	0	0	50	1		2/8/2022	2/9/2022
B22020415-032B	Ground Water		50	0	0	50	1		2/8/2022	2/9/2022

Number	Reagent Name	Exp Date	A
13910	Hydrochloric Acid, 36.5-38.0% 0000281827	3/29/2026	1 mL
14377	50mL DigiTubes J521901-2029	10/12/2022	
14778	Nitric Acid, 69.0-70.0% D0521	1/18/2027	6 mL

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
ME211202 EL200	EL-200.2MS	LCS4/MS4	0.05 mL	12/2/2022
ME220125 EL-MS	EL-MSICV-2	LCS4/MS4	0.05 ml	1/25/2023
ME220208 AUDI	AUDIGSPK	LCS4/MS4	0.05 ml	10/25/2022

Energy Laboratories Inc

ANALYTICAL RUN Summary

24-Feb-22

Run ID ICPMS207-B_220214A

Run Start Date: 2/14/2022 11:20:43
Analyst: Stacy R. Hendricks
Ical: 0
Column ID:
Comments:

Instrument ID	Description
04F07114	Metals 5-50 uL Adjustable Pipette
340760037	Metals 100-1000 uL Adjustable Pipette
340760040	Metals 100-1000 uL Adjustable Pipette
440780018	Metals 1-5 mL Adjustable Pipette
440780025	Metals 1-5 mL Adjustable Pipette
841980007	1000-5000uL Pipette
841980009	1000-5000uL Pipette

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
ME210901 ICSA	ICSA					ICSA	9/1/2022
ME210901 ICSAB	ICSAB					ICSAB	9/1/2022
ME211206 ICV STANDARD	ICV for ICPMS Standards					ICV	4/30/2022
ME220112 0.025 PPB STAND	0.025 ppb Standard						11/18/2022
ME220112 0.05 PPB STANDA	0.5 ppb Standard						11/18/2022
ME220112 0.1 PPB STANDAR	0.1 ppb Standard						11/18/2022
ME220112 0.5 PPB STANDAR	0.5 ppb Standard						11/18/2022
ME220112 1 PPB STANDARD	1 ppb Standard						11/18/2022
ME220112 10 PPB STANDAR	10 ppb Standard					CCV	11/18/2022
ME220112 100 PPB STANDAR	100 ppb Standard					CAL8	11/18/2022
ME220112 50 PPB STANDAR	50 ppb Standard/CCV					CRI	11/18/2022
ME220112 SS1	SS1 ICPMS Spiking Solution					LFB/MS	12/8/2022
ME220112A 1000 PPB STAND	1000 PPB Standard					URL	11/18/2022
ME220114A Tune Solution	Tune Solution						12/7/2022

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035584	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 11:20:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035585	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 11:26:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035586	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 11:33:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035587	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 11:39:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035588	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 11:45:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035589	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 11:51:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035590	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 11:58:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035591	Cal Blk	ICPMS-6020-W-	SAMP		2/14/2022 12:04:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0	0		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	0	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	0	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Beryllium	A	mg/L	0	0		0	0	0	0.00012	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	0	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	0	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	0	0		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	0	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Copper	A	mg/L	0	0		0	0	0	0.00027	0.001	1	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035591	Cal Blk	ICPMS-6020-W-	SAMP		2/14/2022 12:04:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Lanthanum	A	mg/L	0	0		0	0	0	0.000011	0.001	0.1	0%	0	0	0%	
Lead	A	mg/L	0	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	
Manganese	A	mg/L	0	0		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	0	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	0	0		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	
Nickel	A	mg/L	0	0		0	0	0	0.00063	0.001	1	0%	0	0	0%	
Selenium	A	mg/L	0	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silicon	A	mg/L	0	0		0	0	0	0.01223	0.1	0.4	0%	0	0	0%	
Silver	A	mg/L	0	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	0	0		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0	0		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	0	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0	0		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Calcium	B	mg/L	0	0		0	0	0	0.02092	0.02092	50	0%	0	0	0%	L
Iron	B	mg/L	0	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	0	0		0	0	0	0.00564	0.00564	50	0%	0	0	0%	L
Potassium	B	mg/L	0	0		0	0	0	0.08139	0.08139	50	0%	0	0	0%	L
Sodium	B	mg/L	0	0		0	0	0	0.02171	0.02171	50	0%	0	0	0%	L
Tin	B	mg/L	0	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	0	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035592	0.025 ppb STD	ICPMS-6020B-C	Cal1		2/14/2022 12:11:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.0002642	0.0002642		0	0	0		0.01		0%			0%	
Antimony	A	mg/L	0.0000207	0.0000207		0	0	0		0.001		0%			0%	
Arsenic	A	mg/L	0.00005472	0.00005472		0.000025	0	0		0.001		219%	80	120	0%	S
Barium	A	mg/L	0.00003112	0.00003112		0.000025	0	0		0.0003		124%	80	120	0%	S
Beryllium	A	mg/L	0.00002855	0.00002855		0.000025	0	0		0.001		114%	80	120	0%	
Boron	A	mg/L	-3.626E-06	-3.626E-06		0	0	0		0.1		0%			0%	
Cadmium	A	mg/L	0.00002177	0.00002177		0.000025	0	0		0.001		87%	80	120	0%	
Calcium	A	mg/L	0.009215	0.009215		0	0	0		1		0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035592	0.025 ppb STD	ICPMS-6020B-C	Cal1		2/14/2022 12:11:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Cerium	A	mg/L	0.0000229	0.0000229		0.000025	0	0		0.001		92%	80	120	0%	
Chromium	A	mg/L	0.00004787	0.00004787		0.000025	0	0		0.001		191%	80	120	0%	S
Cobalt	A	mg/L	0.00003242	0.00003242		0.000025	0	0		0.001		130%	80	120	0%	S
Copper	A	mg/L	0.000095	0.000095		0	0	0		0.005		0%			0%	
Iron	A	mg/L	0.0007911	0.0007911		0	0	0		0.01		0%			0%	
Lanthanum	A	mg/L	0.00002428	0.00002428		0.000025	0	0		0.001		97%	80	120	0%	
Lead	A	mg/L	0.00002852	0.00002852		0.000025	0	0		0.001		114%	80	120	0%	
Lithium	A	mg/L	0.000336	0.000336		0.0003125	0	0		1		108%	80	120	0%	
Magnesium	A	mg/L	0.00674	0.00674		0	0	0		1		0%			0%	
Manganese	A	mg/L	0.00003116	0.00003116		0	0	0		0.001		0%			0%	
Mercury	A	mg/L	1.319E-07	1.319E-07		0	0	0		0.001		0%			0%	
Molybdenum	A	mg/L	0.00004467	0.00004467		0	0	0		0.001		0%			0%	
Nickel	A	mg/L	0.00007264	0.00007264		0	0	0		0.005		0%			0%	
Potassium	A	mg/L	0.009419	0.009419		0.00625	0	0		1		151%	80	120	0%	S
Selenium	A	mg/L	9.781E-06	9.781E-06		0.000025	0	0		0.005		39%	80	120	0%	S
Silicon	A	mg/L	-0.0002958	-0.0002958		0	0	0		0.1		0%			0%	
Silver	A	mg/L	0.00002016	0.00002016		0	0	0		0.001		0%			0%	
Sodium	A	mg/L	0.007763	0.007763		0.00625	0	0		1		124%	80	120	0%	S
Strontium	A	mg/L	0.0000255	0.0000255		0	0	0		0.001		0%	80	120	0%	
Thallium	A	mg/L	0.0000194	0.0000194		0	0	0		0.001		0%			0%	
Thorium	A	mg/L	0.00001523	0.00001523		0	0	0		0.05		0%			0%	
Tin	A	mg/L	0.00002964	0.00002964		0	0	0		0.001		0%			0%	
Titanium	A	mg/L	0.00006116	0.00006116		0	0	0		0.001		0%			0%	
Uranium	A	mg/L	0.00002342	0.00002342		0.000025	0	0		0.001		94%	80	120	0%	
Vanadium	A	mg/L	0.0001363	0.0001363		0	0	0		0.005		0%			0%	
Zinc	A	mg/L	0.0001026	0.0001026		0	0	0		0.01		0%			0%	
Iron, Ferrous	C	mg/L	0.0007911	0.0007911		0.000025	0	0		0.01	5	3164%	80	120	0%	S
Silicon as SiO2	C	mg/L	-0.0006330	-0.0006330		0.0000535	0	0		0.214	0.9	-1183%	80	120	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035593	0.05 ppb STD	ICPMS-6020B-C	Cal2		2/14/2022 12:17:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035593	0.05 ppb STD	ICPMS-6020B-C	Cal2		2/14/2022 12:17:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.000373	0.000373		0	0	0		0.01		0%			0%	
Antimony	A	mg/L	0.00004449	0.00004449		0.00005	0	0		0.001		89%	80	120	0%	
Arsenic	A	mg/L	0.00006709	0.00006709		0.00005	0	0		0.001		134%	80	120	0%	S
Barium	A	mg/L	0.0000599	0.0000599		0.00005	0	0		0.0003		120%	80	120	0%	
Beryllium	A	mg/L	0.00003856	0.00003856		0.00005	0	0		0.001		77%	80	120	0%	S
Boron	A	mg/L	-1.545E-05	-1.545E-05		0	0	0		0.1		0%			0%	
Cadmium	A	mg/L	0.00004505	0.00004505		0.00005	0	0		0.001		90%	80	120	0%	
Calcium	A	mg/L	0.01918	0.01918		0.0125	0	0		1		153%	80	120	0%	S
Cerium	A	mg/L	0.00005135	0.00005135		0.00005	0	0		0.001		103%	80	120	0%	
Chromium	A	mg/L	0.00008715	0.00008715		0.00005	0	0		0.001		174%	80	120	0%	S
Cobalt	A	mg/L	0.00006092	0.00006092		0	0	0		0.001		0%			0%	
Copper	A	mg/L	0.0000996	0.0000996		0.00005	0	0		0.005		199%	80	120	0%	S
Iron	A	mg/L	0.001506	0.001506		0.00125	0	0		0.01		120%	80	120	0%	
Lanthanum	A	mg/L	0.00004924	0.00004924		0.00005	0	0		0.001		98%	80	120	0%	
Lead	A	mg/L	0.00005118	0.00005118		0.00005	0	0		0.001		102%	80	120	0%	
Lithium	A	mg/L	0.0006031	0.0006031		0.000625	0	0		1		96%	80	120	0%	
Magnesium	A	mg/L	0.01429	0.01429		0.0125	0	0		1		114%	80	120	0%	
Manganese	A	mg/L	0.00006307	0.00006307		0.00005	0	0		0.001		126%	80	120	0%	S
Mercury	A	mg/L	-4.748E-07	-4.748E-07		0	0	0		0.001		0%			0%	
Molybdenum	A	mg/L	0.00004619	0.00004619		0.00005	0	0		0.001		92%	80	120	0%	
Nickel	A	mg/L	0.00009919	0.00009919		0	0	0		0.005		0%			0%	
Potassium	A	mg/L	0.01758	0.01758		0.0125	0	0		1		141%	80	120	0%	S
Selenium	A	mg/L	0.00003972	0.00003972		0.00005	0	0		0.005		79%	80	120	0%	S
Silicon	A	mg/L	-0.000352	-0.000352		0	0	0		0.1		0%			0%	
Silver	A	mg/L	0.0000249	0.0000249		0.00002	0	0		0.001		124%	80	120	0%	S
Sodium	A	mg/L	0.01566	0.01566		0.0125	0	0		1		125%	80	120	0%	S
Strontium	A	mg/L	0.00005983	0.00005983		0.00005	0	0		0.001		120%	80	120	0%	
Thallium	A	mg/L	0.00004688	0.00004688		0	0	0		0.001		0%			0%	
Thorium	A	mg/L	0.00003229	0.00003229		0	0	0		0.05		0%			0%	
Tin	A	mg/L	0.00005201	0.00005201		0	0	0		0.001		0%			0%	
Titanium	A	mg/L	0.00008034	0.00008034		0	0	0		0.001		0%			0%	
Uranium	A	mg/L	0.00004784	0.00004784		0.00005	0	0		0.001		96%	80	120	0%	
Vanadium	A	mg/L	0.00008486	0.00008486		0	0	0		0.005		0%			0%	
Zinc	A	mg/L	0.0001497	0.0001497		0	0	0		0.01		0%			0%	
Iron, Ferrous	C	mg/L	0.001506	0.001506		0.00005	0	0		0.01	5	3012%	80	120	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035593	0.05 ppb STD	ICPMS-6020B-C	Cal2		2/14/2022 12:17:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Silicon as SiO2	C	mg/L	-0.0007533	-0.0007533		0.00428	0	0		0.214	0.9	-18%	80	120	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035594	0.10 ppb STD	ICPMS-6020B-C	Cal3		2/14/2022 12:24:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.0001369	0.0001369		0.0001	0	0		0.01		137%	80	120	0%	S
Antimony	A	mg/L	0.00008714	0.00008714		0.0001	0	0		0.001		87%	80	120	0%	
Arsenic	A	mg/L	0.0001147	0.0001147		0.0001	0	0		0.001		115%	80	120	0%	
Barium	A	mg/L	0.0001071	0.0001071		0.0001	0	0		0.0003		107%	80	120	0%	
Beryllium	A	mg/L	0.0000864	0.0000864		0.0001	0	0		0.001		86%	80	120	0%	
Boron	A	mg/L	0.00001755	0.00001755		0	0	0		0.1		0%			0%	
Cadmium	A	mg/L	0.00009654	0.00009654		0.0001	0	0		0.001		97%	80	120	0%	
Calcium	A	mg/L	0.03233	0.03233		0.025	0	0		1		129%	80	120	0%	S
Cerium	A	mg/L	0.0001033	0.0001033		0.0001	0	0		0.001		103%	80	120	0%	
Chromium	A	mg/L	0.0001406	0.0001406		0.0001	0	0		0.001		141%	80	120	0%	S
Cobalt	A	mg/L	0.0001137	0.0001137		0.0001	0	0		0.001		114%	80	120	0%	
Copper	A	mg/L	0.0001395	0.0001395		0.0001	0	0		0.005		140%	80	120	0%	S
Iron	A	mg/L	0.002885	0.002885		0.0025	0	0		0.01		115%	80	120	0%	
Lanthanum	A	mg/L	0.0001045	0.0001045		0.0001	0	0		0.001		104%	80	120	0%	
Lead	A	mg/L	0.0001015	0.0001015		0.0001	0	0		0.001		102%	80	120	0%	
Lithium	A	mg/L	0.001233	0.001233		0.00125	0	0		1		99%	80	120	0%	
Magnesium	A	mg/L	0.02869	0.02869		0.025	0	0		1		115%	80	120	0%	
Manganese	A	mg/L	0.0001165	0.0001165		0.0001	0	0		0.001		117%	80	120	0%	
Mercury	A	mg/L	5.236E-07	5.236E-07		0.000002	0	0		0.001		26%	80	120	0%	S
Molybdenum	A	mg/L	0.0001028	0.0001028		0.0001	0	0		0.001		103%	80	120	0%	
Nickel	A	mg/L	0.0001553	0.0001553		0.0001	0	0		0.005		155%	80	120	0%	S
Potassium	A	mg/L	0.0301	0.0301		0.025	0	0		1		120%	80	120	0%	
Selenium	A	mg/L	0.00009341	0.00009341		0.0001	0	0		0.005		93%	80	120	0%	
Silicon	A	mg/L	-0.0003892	-0.0003892		0.0004	0	0		0.1		-97%	80	120	0%	S
Silver	A	mg/L	0.00004683	0.00004683		0.00004	0	0		0.001		117%	80	120	0%	
Sodium	A	mg/L	0.02879	0.02879		0.025	0	0		1		115%	80	120	0%	
Strontium	A	mg/L	0.0001078	0.0001078		0.0001	0	0		0.001		108%	80	120	0%	
Thallium	A	mg/L	0.00009593	0.00009593		0.0001	0	0		0.001		96%	80	120	0%	
Thorium	A	mg/L	0.00006647	0.00006647		0.0001	0	0		0.05		66%	80	120	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035594	0.10 ppb STD	ICPMS-6020B-C	Cal3		2/14/2022 12:24:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Tin	A	mg/L	0.0001105	0.0001105		0.0001	0	0		0.001		111%	80	120	0%	
Titanium	A	mg/L	0.0001435	0.0001435		0.0001	0	0		0.001		144%	80	120	0%	S
Uranium	A	mg/L	0.00009789	0.00009789		0.0001	0	0		0.001		98%	80	120	0%	
Vanadium	A	mg/L	0.0000911	0.0000911		0.0001	0	0		0.005		91%	80	120	0%	
Zinc	A	mg/L	0.0001011	0.0001011		0.0001	0	0		0.01		101%	80	120	0%	
Iron, Ferrous	C	mg/L	0.002885	0.002885		0.0001	0	0		0.01	5	2885%	80	120	0%	S
Silicon as SiO2	C	mg/L	-0.0008329	-0.0008329		0.00856	0	0		0.214	0.9	-10%	80	120	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035595	0.5 ppb STD	ICPMS-6020B-C	Cal4		2/14/2022 12:31:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.0007179	0.0007179		0.0005	0	0		0.01		144%	80	120	0%	S
Antimony	A	mg/L	0.0004608	0.0004608		0.0005	0	0		0.001		92%	80	120	0%	
Arsenic	A	mg/L	0.0005156	0.0005156		0.0005	0	0		0.001		103%	80	120	0%	
Barium	A	mg/L	0.0005111	0.0005111		0.0005	0	0		0.0003		102%	80	120	0%	
Beryllium	A	mg/L	0.0005009	0.0005009		0.0005	0	0		0.001		100%	80	120	0%	
Boron	A	mg/L	0.000458	0.000458		0.0005	0	0		0.1		92%	80	120	0%	
Cadmium	A	mg/L	0.0004986	0.0004986		0.0005	0	0		0.001		100%	80	120	0%	
Calcium	A	mg/L	0.1375	0.1375		0.125	0	0		1		110%	80	120	0%	
Cerium	A	mg/L	0.0004692	0.0004692		0.0005	0	0		0.001		94%	80	120	0%	
Chromium	A	mg/L	0.0004946	0.0004946		0.0005	0	0		0.001		99%	80	120	0%	
Cobalt	A	mg/L	0.0005333	0.0005333		0.0005	0	0		0.001		107%	80	120	0%	
Copper	A	mg/L	0.0005651	0.0005651		0.0005	0	0		0.005		113%	80	120	0%	
Iron	A	mg/L	0.01293	0.01293		0.0125	0	0		0.01		103%	80	120	0%	
Lanthanum	A	mg/L	0.0004832	0.0004832		0.0005	0	0		0.001		97%	80	120	0%	
Lead	A	mg/L	0.0004917	0.0004917		0.0005	0	0		0.001		98%	80	120	0%	
Lithium	A	mg/L	0.006791	0.006791		0.00625	0	0		1		109%	80	120	0%	
Magnesium	A	mg/L	0.1325	0.1325		0.125	0	0		1		106%	80	120	0%	
Manganese	A	mg/L	0.0005281	0.0005281		0.0005	0	0		0.001		106%	80	120	0%	
Mercury	A	mg/L	8.245E-06	8.245E-06		0.00001	0	0		0.001		82%	80	120	0%	
Molybdenum	A	mg/L	0.0004929	0.0004929		0.0005	0	0		0.001		99%	80	120	0%	
Nickel	A	mg/L	0.0005449	0.0005449		0.0005	0	0		0.005		109%	80	120	0%	
Potassium	A	mg/L	0.1282	0.1282		0.125	0	0		1		103%	80	120	0%	
Selenium	A	mg/L	0.0004837	0.0004837		0.0005	0	0		0.005		97%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035595	0.5 ppb STD	ICPMS-6020B-C	Cal4		2/14/2022 12:31:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Silicon	A	mg/L	0.001474	0.001474		0.002	0	0		0.1		74%	80	120	0%	S
Silver	A	mg/L	0.0002066	0.0002066		0.0002	0	0		0.001		103%	80	120	0%	
Sodium	A	mg/L	0.1318	0.1318		0.125	0	0		1		105%	80	120	0%	
Strontium	A	mg/L	0.0004922	0.0004922		0.0005	0	0		0.001		98%	80	120	0%	
Thallium	A	mg/L	0.0004469	0.0004469		0.0005	0	0		0.001		89%	80	120	0%	
Thorium	A	mg/L	0.0003635	0.0003635		0.0005	0	0		0.05		73%	80	120	0%	S
Tin	A	mg/L	0.0004751	0.0004751		0.0005	0	0		0.001		95%	80	120	0%	
Titanium	A	mg/L	0.0005149	0.0005149		0.0005	0	0		0.001		103%	80	120	0%	
Uranium	A	mg/L	0.0004749	0.0004749		0.0005	0	0		0.001		95%	80	120	0%	
Vanadium	A	mg/L	0.0003439	0.0003439		0.0005	0	0		0.005		69%	80	120	0%	S
Zinc	A	mg/L	0.0005991	0.0005991		0.0005	0	0		0.01		120%	80	120	0%	
Iron, Ferrous	C	mg/L	0.01293	0.01293		0.0005	0	0		0.01	5	2586%	80	120	0%	S
Silicon as SiO2	C	mg/L	0.00315436	0.00315436		0.0428	0	0		0.214	0.9	7%	80	120	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035596	1 ppb STD	ICPMS-6020B-C	Cal5		2/14/2022 12:37:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.001288	0.001288		0.001	0	0		0.01		129%	80	120	0%	S
Antimony	A	mg/L	0.0009902	0.0009902		0.001	0	0		0.001		99%	80	120	0%	
Arsenic	A	mg/L	0.001016	0.001016		0.001	0	0		0.001		102%	80	120	0%	
Barium	A	mg/L	0.001	0.001		0.001	0	0		0.0003		100%	80	120	0%	
Beryllium	A	mg/L	0.001043	0.001043		0.001	0	0		0.001		104%	80	120	0%	
Boron	A	mg/L	0.000986	0.000986		0.001	0	0		0.1		99%	80	120	0%	
Cadmium	A	mg/L	0.001029	0.001029		0.001	0	0		0.001		103%	80	120	0%	
Calcium	A	mg/L	0.2747	0.2747		0.25	0	0		1		110%	80	120	0%	
Cerium	A	mg/L	0.0009743	0.0009743		0.001	0	0		0.001		97%	80	120	0%	
Chromium	A	mg/L	0.001071	0.001071		0.001	0	0		0.001		107%	80	120	0%	
Cobalt	A	mg/L	0.001063	0.001063		0.001	0	0		0.001		106%	80	120	0%	
Copper	A	mg/L	0.001111	0.001111		0.001	0	0		0.005		111%	80	120	0%	
Iron	A	mg/L	0.02671	0.02671		0.025	0	0		0.01		107%	80	120	0%	
Lanthanum	A	mg/L	0.0009938	0.0009938		0.001	0	0		0.001		99%	80	120	0%	
Lead	A	mg/L	0.001044	0.001044		0.001	0	0		0.001		104%	80	120	0%	
Lithium	A	mg/L	0.01391	0.01391		0.0125	0	0		1		111%	80	120	0%	
Magnesium	A	mg/L	0.2648	0.2648		0.25	0	0		1		106%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035596	1 ppb STD	ICPMS-6020B-C	Cal5		2/14/2022 12:37:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Manganese	A	mg/L	0.001025	0.001025		0.001	0	0		0.001		102%	80	120	0%	
Mercury	A	mg/L	0.00001723	0.00001723		0.00002	0	0		0.001		86%	80	120	0%	
Molybdenum	A	mg/L	0.001003	0.001003		0.001	0	0		0.001		100%	80	120	0%	
Nickel	A	mg/L	0.00105	0.00105		0.001	0	0		0.005		105%	80	120	0%	
Potassium	A	mg/L	0.2597	0.2597		0.25	0	0		1		104%	80	120	0%	
Selenium	A	mg/L	0.0009806	0.0009806		0.001	0	0		0.005		98%	80	120	0%	
Silicon	A	mg/L	0.004339	0.004339		0.004	0	0		0.1		108%	80	120	0%	
Silver	A	mg/L	0.0004346	0.0004346		0.0004	0	0		0.001		109%	80	120	0%	
Sodium	A	mg/L	0.2633	0.2633		0.25	0	0		1		105%	80	120	0%	
Strontium	A	mg/L	0.000967	0.000967		0.001	0	0		0.001		97%	80	120	0%	
Thallium	A	mg/L	0.0009273	0.0009273		0.001	0	0		0.001		93%	80	120	0%	
Thorium	A	mg/L	0.0008201	0.0008201		0.001	0	0		0.05		82%	80	120	0%	
Tin	A	mg/L	0.000983	0.000983		0.001	0	0		0.001		98%	80	120	0%	
Titanium	A	mg/L	0.001127	0.001127		0.001	0	0		0.001		113%	80	120	0%	
Uranium	A	mg/L	0.0009933	0.0009933		0.001	0	0		0.001		99%	80	120	0%	
Vanadium	A	mg/L	0.0007649	0.0007649		0.001	0	0		0.005		76%	80	120	0%	S
Zinc	A	mg/L	0.001022	0.001022		0.001	0	0		0.01		102%	80	120	0%	
Iron, Ferrous	C	mg/L	0.02671	0.02671		0.001	0	0		0.01	5	2671%	80	120	0%	S
Silicon as SiO2	C	mg/L	0.00928546	0.00928546		0.0856	0	0		0.214	0.9	11%	80	120	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035597	10 ppb STD	ICPMS-6020B-C	Cal6		2/14/2022 12:44:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.01139	0.01139		0.01	0	0		0.01		114%	90	110	0%	S
Antimony	A	mg/L	0.009623	0.009623		0.01	0	0		0.001		96%	90	110	0%	
Arsenic	A	mg/L	0.009916	0.009916		0.01	0	0		0.001		99%	90	110	0%	
Barium	A	mg/L	0.009908	0.009908		0.01	0	0		0.0003		99%	90	110	0%	
Beryllium	A	mg/L	0.01069	0.01069		0.01	0	0		0.001		107%	90	110	0%	
Boron	A	mg/L	0.01073	0.01073		0.01	0	0		0.1		107%	90	110	0%	
Cadmium	A	mg/L	0.009999	0.009999		0.01	0	0		0.001		100%	90	110	0%	
Calcium	A	mg/L	2.692	2.692		2.5	0	0		1		108%	90	110	0%	
Cerium	A	mg/L	0.009669	0.009669		0.01	0	0		0.001		97%	90	110	0%	
Chromium	A	mg/L	0.009991	0.009991		0.01	0	0		0.001		100%	90	110	0%	
Cobalt	A	mg/L	0.0104	0.0104		0.01	0	0		0.001		104%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035597	10 ppb STD	ICPMS-6020B-C Cal6			2/14/2022 12:44:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Copper	A	mg/L	0.01069	0.01069		0.01	0	0		0.005		107%	90	110	0%	
Iron	A	mg/L	0.2679	0.2679		0.25	0	0		0.01		107%	90	110	0%	
Lanthanum	A	mg/L	0.0097	0.0097		0.01	0	0		0.001		97%	90	110	0%	
Lead	A	mg/L	0.009995	0.009995		0.01	0	0		0.001		100%	90	110	0%	
Lithium	A	mg/L	0.1381	0.1381		0.125	0	0		1		110%	90	110	0%	
Magnesium	A	mg/L	2.603	2.603		2.5	0	0		1		104%	90	110	0%	
Manganese	A	mg/L	0.01035	0.01035		0.01	0	0		0.001		103%	90	110	0%	
Mercury	A	mg/L	0.0001927	0.0001927		0.0002	0	0		0.001		96%	90	110	0%	
Molybdenum	A	mg/L	0.009874	0.009874		0.01	0	0		0.001		99%	90	110	0%	
Nickel	A	mg/L	0.01068	0.01068		0.01	0	0		0.005		107%	90	110	0%	
Potassium	A	mg/L	2.504	2.504		2.5	0	0		1		100%	90	110	0%	
Selenium	A	mg/L	0.01002	0.01002		0.01	0	0		0.005		100%	90	110	0%	
Silicon	A	mg/L	0.03896	0.03896		0.04	0	0		0.1		97%	90	110	0%	
Silver	A	mg/L	0.003999	0.003999		0.004	0	0		0.001		100%	90	110	0%	
Sodium	A	mg/L	2.609	2.609		2.5	0	0		1		104%	90	110	0%	
Strontium	A	mg/L	0.009789	0.009789		0.01	0	0		0.001		98%	90	110	0%	
Thallium	A	mg/L	0.00944	0.00944		0.01	0	0		0.001		94%	90	110	0%	
Thorium	A	mg/L	0.009129	0.009129		0.01	0	0		0.05		91%	90	110	0%	
Tin	A	mg/L	0.009531	0.009531		0.01	0	0		0.001		95%	90	110	0%	
Titanium	A	mg/L	0.01049	0.01049		0.01	0	0		0.001		105%	90	110	0%	
Uranium	A	mg/L	0.009821	0.009821		0.01	0	0		0.001		98%	90	110	0%	
Vanadium	A	mg/L	0.008048	0.008048		0.01	0	0		0.005		80%	90	110	0%	S
Zinc	A	mg/L	0.0107	0.0107		0.01	0	0		0.01		107%	90	110	0%	
Iron, Ferrous	C	mg/L	0.2679	0.2679		0.01	0	0		0.01	5	2679%	90	110	0%	S
Silicon as SiO2	C	mg/L	0.0833744	0.0833744		0.856	0	0		0.214	0.9	10%	90	110	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035598	50 ppb STD	ICPMS-6020B-C Cal7			2/14/2022 12:51:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.05481	0.05481		0.05	0	0		0.01		110%	90	110	0%	
Antimony	A	mg/L	0.0534	0.0534		0.05	0	0		0.001		107%	90	110	0%	
Arsenic	A	mg/L	0.05094	0.05094		0.05	0	0		0.001		102%	90	110	0%	
Barium	A	mg/L	0.05169	0.05169		0.05	0	0		0.0003		103%	90	110	0%	
Beryllium	A	mg/L	0.05328	0.05328		0.05	0	0		0.001		107%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist				
15035598	50 ppb STD	ICPMS-6020B-C Cal7			2/14/2022 12:51:	1	R374695		0	0					

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Boron	A	mg/L	0.05639	0.05639		0.05	0	0		0.1		113%	90	110	0%	S
Cadmium	A	mg/L	0.05144	0.05144		0.05	0	0		0.001		103%	90	110	0%	
Calcium	A	mg/L	13	13		12.5	0	0		1		104%	90	110	0%	
Cerium	A	mg/L	0.05143	0.05143		0.05	0	0		0.001		103%	90	110	0%	
Chromium	A	mg/L	0.05103	0.05103		0.05	0	0		0.001		102%	90	110	0%	
Cobalt	A	mg/L	0.05268	0.05268		0.05	0	0		0.001		105%	90	110	0%	
Copper	A	mg/L	0.05201	0.05201		0.05	0	0		0.005		104%	90	110	0%	
Iron	A	mg/L	1.327	1.327		1.25	0	0		0.01		106%	90	110	0%	
Lanthanum	A	mg/L	0.05237	0.05237		0.05	0	0		0.001		105%	90	110	0%	
Lead	A	mg/L	0.05208	0.05208		0.05	0	0		0.001		104%	90	110	0%	
Lithium	A	mg/L	0.6843	0.6843		0.625	0	0		1		109%	90	110	0%	
Magnesium	A	mg/L	13.07	13.07		12.5	0	0		1		105%	90	110	0%	
Manganese	A	mg/L	0.05188	0.05188		0.05	0	0		0.001		104%	90	110	0%	
Mercury	A	mg/L	0.001051	0.001051		0.001	0	0		0.001		105%	90	110	0%	
Molybdenum	A	mg/L	0.0506	0.0506		0.05	0	0		0.001		101%	90	110	0%	
Nickel	A	mg/L	0.05324	0.05324		0.05	0	0		0.005		106%	90	110	0%	
Potassium	A	mg/L	12.72	12.72		12.5	0	0		1		102%	90	110	0%	
Selenium	A	mg/L	0.05121	0.05121		0.05	0	0		0.005		102%	90	110	0%	
Silicon	A	mg/L	0.2272	0.2272		0.2	0	0		0.1		114%	90	110	0%	S
Silver	A	mg/L	0.02048	0.02048		0.02	0	0		0.001		102%	90	110	0%	
Sodium	A	mg/L	13.18	13.18		12.5	0	0		1		105%	90	110	0%	
Strontium	A	mg/L	0.05001	0.05001		0.05	0	0		0.001		100%	90	110	0%	
Thallium	A	mg/L	0.04855	0.04855		0.05	0	0		0.001		97%	90	110	0%	
Thorium	A	mg/L	0.04954	0.04954		0.05	0	0		0.05		99%	90	110	0%	
Tin	A	mg/L	0.05122	0.05122		0.05	0	0		0.001		102%	90	110	0%	
Titanium	A	mg/L	0.05122	0.05122		0.05	0	0		0.001		102%	90	110	0%	
Uranium	A	mg/L	0.05092	0.05092		0.05	0	0		0.001		102%	90	110	0%	
Vanadium	A	mg/L	0.0469	0.0469		0.05	0	0		0.005		94%	90	110	0%	
Zinc	A	mg/L	0.05273	0.05273		0.05	0	0		0.01		105%	90	110	0%	
Iron, Ferrous	C	mg/L	1.327	1.327		0.05	0	0		0.01	5	2654%	90	110	0%	S
Silicon as SiO2	C	mg/L	0.486208	0.486208		4.28	0	0		0.214	0.9	11%	90	110	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035599	100 ppb STD	ICPMS-6020B-C Cal8			2/14/2022 12:58:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.1024	0.1024		0.1	0	0		0.01		102%	90	110	0%	
Antimony	A	mg/L	0.09834	0.09834		0.1	0	0		0.001		98%	90	110	0%	
Arsenic	A	mg/L	0.09901	0.09901		0.1	0	0		0.001		99%	90	110	0%	
Barium	A	mg/L	0.101	0.101		0.1	0	0		0.0003		101%	90	110	0%	
Beryllium	A	mg/L	0.1004	0.1004		0.1	0	0		0.001		100%	90	110	0%	
Boron	A	mg/L	0.09945	0.09945		0.1	0	0		0.1		99%	90	110	0%	
Cadmium	A	mg/L	0.1008	0.1008		0.1	0	0		0.001		101%	90	110	0%	
Calcium	A	mg/L	25.02	25.02		25	0	0		1		100%	90	110	0%	
Cerium	A	mg/L	0.09932	0.09932		0.1	0	0		0.001		99%	90	110	0%	
Chromium	A	mg/L	0.09707	0.09707		0.1	0	0		0.001		97%	90	110	0%	
Cobalt	A	mg/L	0.09743	0.09743		0.1	0	0		0.001		97%	90	110	0%	
Copper	A	mg/L	0.09992	0.09992		0.1	0	0		0.005		100%	90	110	0%	
Iron	A	mg/L	2.548	2.548		2.5	0	0		0.01		102%	90	110	0%	
Lanthanum	A	mg/L	0.09885	0.09885		0.1	0	0		0.001		99%	90	110	0%	
Lead	A	mg/L	0.09935	0.09935		0.1	0	0		0.001		99%	90	110	0%	
Lithium	A	mg/L	1.267	1.267		1.25	0	0		1		101%	90	110	0%	
Magnesium	A	mg/L	24.89	24.89		25	0	0		1		100%	90	110	0%	
Manganese	A	mg/L	0.1004	0.1004		0.1	0	0		0.001		100%	90	110	0%	
Mercury	A	mg/L	0.001975	0.001975		0.002	0	0		0.001		99%	90	110	0%	
Molybdenum	A	mg/L	0.09971	0.09971		0.1	0	0		0.001		100%	90	110	0%	
Nickel	A	mg/L	0.1006	0.1006		0.1	0	0		0.005		101%	90	110	0%	
Potassium	A	mg/L	25.07	25.07		25	0	0		1		100%	90	110	0%	
Selenium	A	mg/L	0.09923	0.09923		0.1	0	0		0.005		99%	90	110	0%	
Silicon	A	mg/L	0.3865	0.3865		0.4	0	0		0.1		97%	90	110	0%	
Silver	A	mg/L	0.03976	0.03976		0.04	0	0		0.001		99%	90	110	0%	
Sodium	A	mg/L	24.74	24.74		25	0	0		1		99%	90	110	0%	
Strontium	A	mg/L	0.09822	0.09822		0.1	0	0		0.001		98%	90	110	0%	
Thallium	A	mg/L	0.09379	0.09379		0.1	0	0		0.001		94%	90	110	0%	
Thorium	A	mg/L	0.09415	0.09415		0.1	0	0		0.05		94%	90	110	0%	
Tin	A	mg/L	0.09943	0.09943		0.1	0	0		0.001		99%	90	110	0%	
Titanium	A	mg/L	0.09934	0.09934		0.1	0	0		0.001		99%	90	110	0%	
Uranium	A	mg/L	0.09894	0.09894		0.1	0	0		0.001		99%	90	110	0%	
Vanadium	A	mg/L	0.09284	0.09284		0.1	0	0		0.005		93%	90	110	0%	
Zinc	A	mg/L	0.1012	0.1012		0.1	0	0		0.01		101%	90	110	0%	
Iron, Ferrous	C	mg/L	2.548	2.548		0.1	0	0		0.01	5	2548%	90	110	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035599	100 ppb STD	ICPMS-6020B-C	Cal8		2/14/2022 12:58:	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Silicon as SiO2	C	mg/L	0.82711	0.82711		8.56	0	0		0.214	0.9	10%	90	110	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035600	1000 ppb STD	ICPMS-6020B-C	Cal10		2/14/2022 1:04:4	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.9995	0.9995		1	0	0		0.01		100%	90	110	0%	
Antimony	A	mg/L	0.0002221	0.0002221		0	0	0		0.001		0%			0%	
Arsenic	A	mg/L	1	1		1	0	0		0.001		100%	90	110	0%	
Barium	A	mg/L	0.9998	0.9998		1	0	0		0.0003		100%	90	110	0%	
Beryllium	A	mg/L	0.9998	0.9998		1	0	0		0.001		100%	90	110	0%	
Boron	A	mg/L	0.9997	0.9997		1	0	0		0.1		100%	90	110	0%	
Cadmium	A	mg/L	0.9999	0.9999		1	0	0		0.001		100%	90	110	0%	
Calcium	A	mg/L	49.85	49.85		50	0	0		1		100%	90	110	0%	
Cerium	A	mg/L	0.00002392	0.00002392		0	0	0		0.001		0%			0%	
Chromium	A	mg/L	1	1		1	0	0		0.001		100%	90	110	0%	
Cobalt	A	mg/L	1	1		1	0	0		0.001		100%	90	110	0%	
Copper	A	mg/L	0.9999	0.9999		1	0	0		0.005		100%	90	110	0%	
Iron	A	mg/L	6.016	6.016		6	0	0		0.01		100%	90	110	0%	
Lanthanum	A	mg/L	0.00001322	0.00001322		0	0	0		0.001		0%			0%	
Lead	A	mg/L	1	1		1	0	0		0.001		100%	90	110	0%	
Lithium	A	mg/L	2.476	2.476		2.5	0	0		1		99%	90	110	0%	
Magnesium	A	mg/L	49.91	49.91		50	0	0		1		100%	90	110	0%	
Manganese	A	mg/L	0.9999	0.9999		1	0	0		0.001		100%	90		0%	
Mercury	A	mg/L	0.00001085	0.00001085		0	0	0		0.001		0%			0%	
Molybdenum	A	mg/L	0.0001694	0.0001694		0	0	0		0.001		0%			0%	
Nickel	A	mg/L	0.9998	0.9998		1	0	0		0.005		100%	90	110	0%	
Potassium	A	mg/L	49.91	49.91		50	0	0		1		100%	90	110	0%	
Selenium	A	mg/L	1	1		1	0	0		0.005		100%	90	110	0%	
Silicon	A	mg/L	0.0004145	0.0004145		0	0	0		0.1		0%			0%	
Silver	A	mg/L	0.3649	0.3649		0	0	0		0.001		0%			0%	
Sodium	A	mg/L	49.96	49.96		50	0	0		1		100%	90	110	0%	
Strontium	A	mg/L	1	1		1	0	0		0.001		100%	90	110	0%	
Thallium	A	mg/L	1.001	1.001		1	0	0		0.001		100%	90	110	0%	
Thorium	A	mg/L	1.001	1.001		1	0	0		0.05		100%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035600	1000 ppb STD	ICPMS-6020B-C	Cal10		2/14/2022 1:04:4	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Tin	A	mg/L	0.0001367	0.0001367		0	0	0		0.001		0%			0%	
Titanium	A	mg/L	0.007342	0.007342		1	0	0		0.001		1%	90	110	0%	S
Uranium	A	mg/L	1	1		1	0	0		0.001		100%	90	110	0%	
Vanadium	A	mg/L	1.001	1.001		1	0	0		0.005		100%	90	110	0%	
Zinc	A	mg/L	0.9997	0.9997		1	0	0		0.01		100%	90	110	0%	
Iron, Ferrous	C	mg/L	6.016	6.016		0	0	0		0.01	5	0%			0%	
Silicon as SiO2	C	mg/L	0.00088703	0.00088703		0	0	0		0.214	0.9	0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035601	100 ppb Br STD	ICPMS-6020-W-	SAMP		2/14/2022 1:11:1	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	-2.919E-05	0		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	-5.655E-05	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	0.00001546	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Beryllium	A	mg/L	2.429E-06	0		0	0	0	0.00012	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	0.00004647	0.00004647		0	0	0	0.000025	0.001	1	0%	0	0	0%	J
Cerium	A	mg/L	8.452E-07	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	0.00000278	0		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	5.892E-06	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Copper	A	mg/L	0.00006305	0		0	0	0	0.00027	0.001	1	0%	0	0	0%	
Lanthanum	A	mg/L	8.994E-07	0		0	0	0	0.000011	0.001	0.1	0%	0	0	0%	
Lead	A	mg/L	0.00002856	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	
Manganese	A	mg/L	0.00001639	0		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	2.037E-06	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	0.0000256	0		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	
Nickel	A	mg/L	9.807E-06	0		0	0	0	0.00063	0.001	1	0%	0	0	0%	
Selenium	A	mg/L	0.0001524	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silicon	A	mg/L	-0.0008389	0		0	0	0	0.01223	0.1	0.4	0%	0	0	0%	
Silver	A	mg/L	0.00003863	0.00003863		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	J
Strontium	A	mg/L	0.00001012	0		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00008369	0.00008369		0	0	0	0.000041	0.001	1	0%	0	0	0%	J
Thorium	A	mg/L	0.0002332	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0.00008833	0		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00004745	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035601	100 ppb Br STD	ICPMS-6020-W-	SAMP		2/14/2022 1:11:1	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Calcium	B	mg/L	0.005625	0		0	0	0	0.02092	0.02092	50	0%	0	0	0%	L
Iron	B	mg/L	0.0001342	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0.0001342	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	0.0002316	0		0	0	0	0.00564	0.00564	50	0%	0	0	0%	L
Potassium	B	mg/L	0.645	0.645		0	0	0	0.08139	0.08139	50	0%	0	0	0%	D
Sodium	B	mg/L	0.006678	0		0	0	0	0.02171	0.02171	50	0%	0	0	0%	L
Tin	B	mg/L	0.00009025	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	0.00006486	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035602	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 1:17:3	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	-0.0002075	0		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	-0.0002176	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	1.849E-06	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Beryllium	A	mg/L	-3.048E-05	0		0	0	0	0.00012	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	0.00001221	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	2.485E-07	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	-9.758E-06	0		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	2.277E-06	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Copper	A	mg/L	0.00001505	0		0	0	0	0.00027	0.001	1	0%	0	0	0%	
Lanthanum	A	mg/L	1.574E-07	0		0	0	0	0.000011	0.001	0.1	0%	0	0	0%	
Lead	A	mg/L	9.926E-06	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	
Manganese	A	mg/L	-1.369E-06	0		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	-1.201E-06	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	4.352E-06	0		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	
Nickel	A	mg/L	2.503E-06	0		0	0	0	0.00063	0.001	1	0%	0	0	0%	
Selenium	A	mg/L	0.00002843	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silicon	A	mg/L	-0.001985	0		0	0	0	0.01223	0.1	0.4	0%	0	0	0%	
Silver	A	mg/L	5.648E-07	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	3.261E-06	0		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00002791	0		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	0.00004804	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0.00004032	0		0	0	0	0.000094	0.001	1	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035602	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 1:17:3	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Uranium	A	mg/L	8.381E-06	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Calcium	B	mg/L	0.0023	0		0	0	0	0.02092	0.02092	50	0%	0	0	0%	L
Iron	B	mg/L	-1.125E-05	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	-1.125E-05	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	-0.0003228	0		0	0	0	0.00564	0.00564	50	0%	0	0	0%	L
Potassium	B	mg/L	0.01582	0		0	0	0	0.08139	0.08139	50	0%	0	0	0%	L
Sodium	B	mg/L	0.002398	0		0	0	0	0.02171	0.02171	50	0%	0	0	0%	L
Tin	B	mg/L	0.00003038	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	-3.043E-05	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035603	QCS	ICPMS-6020-W-	ICV		2/14/2022 1:23:5	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.2704	0.2704		0.25	0	0	0.00086	0.001	1	108%	90	110	0%	
Antimony	A	mg/L	0.04672	0.04672		0.05	0	0		0.001	0.1	93%	90	110	0%	
Arsenic	A	mg/L	0.04939	0.04939		0.05	0	0	0.00019	0.001	1	99%	90	110	0%	
Barium	A	mg/L	0.05187	0.05187		0.05	0	0	0.000042	0.001	1	104%	90	110	0%	
Beryllium	A	mg/L	0.02539	0.02539		0.025	0	0	0.00012	0.001	1	102%	90	110	0%	
Boron	A	mg/L	0.05711	0.05711		0.05	0	0	0.00561	0.00561	1	114%	90	110	0%	S
Cadmium	A	mg/L	0.02481	0.02481		0.025	0	0	0.000025	0.001	1	99%	90	110	0%	
Calcium	A	mg/L	2.591	2.591		2.5	0	0	0.02092	0.02092	50	104%	90	110	0%	
Cerium	A	mg/L	0.04983	0.04983		0.05	0	0	0.000012	0.001	0.1	100%	90	110	0%	
Chromium	A	mg/L	0.04933	0.04933		0.05	0	0	0.00018	0.001	1	99%	90	110	0%	
Cobalt	A	mg/L	0.0522	0.0522		0.05	0	0	0.000042	0.001	1	104%	90	110	0%	
Copper	A	mg/L	0.05259	0.05259		0.05	0	0	0.00027	0.001	1	105%	90	110	0%	
Iron	A	mg/L	0.2555	0.2555		0.25	0	0	0.00119	0.00119	5	102%	90	110	0%	
Lanthanum	A	mg/L	0.04949	0.04949		0.05	0	0	0.000011	0.001	0.1	99%	90	110	0%	
Lead	A	mg/L	0.04943	0.04943		0.05	0	0	0.000056	0.001	1	99%	90	110	0%	
Magnesium	A	mg/L	2.647	2.647		2.5	0	0	0.00564	0.00564	50	106%	90	110	0%	
Manganese	A	mg/L	0.257	0.257		0.25	0	0	0.000095	0.001	1	103%	90	110	0%	
Mercury	A	mg/L	0.0009916	0.0009916		0.001	0	0	0.00016	0.001	0.002	99%	90	110	0%	
Molybdenum	A	mg/L	0.04817	0.04817		0.05	0	0	0.00005	0.001	0.1	96%	90	110	0%	
Nickel	A	mg/L	0.05193	0.05193		0.05	0	0	0.00063	0.001	1	104%	90	110	0%	
Potassium	A	mg/L	2.564	2.564		2.5	0	0	0.08139	0.08139	50	103%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035603	QCS	ICPMS-6020-W- ICV			2/14/2022 1:23:5	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Selenium	A	mg/L	0.05052	0.05052		0.05	0	0	0.00033	0.001	1	101%	90	110	0%	
Silicon	A	mg/L	0.4851	0.4851		0.5	0	0	0.01223	0.1	0.4	97%	90	110	0%	
Silver	A	mg/L	0.02519	0.02519		0.025	0	0	0.00002	0.001	0.04	101%	90	110	0%	
Sodium	A	mg/L	2.656	2.656		2.5	0	0	0.02171	0.02171	50	106%	90	110	0%	
Strontium	A	mg/L	0.04948	0.04948		0.05	0	0	0.00014	0.001	1	99%	90	110	0%	
Thallium	A	mg/L	0.04894	0.04894		0.05	0	0	0.000041	0.001	1	98%	90	110	0%	
Thorium	A	mg/L	0.04577	0.04577		0.05	0	0	0.00061	0.001	1	92%	90	110	0%	
Tin	A	mg/L	0.04928	0.04928		0.05	0	0	0.00132	0.00132	0.1	99%	90	110	0%	
Titanium	A	mg/L	0.04964	0.04964		0.05	0	0	0.000094	0.001	1	99%	90	110	0%	
Uranium	A	mg/L	0.05137	0.05137		0.05	0	0	0.000052	0.0003	1	103%	90	110	0%	
Vanadium	A	mg/L	0.04544	0.04544		0.05	0	0		0.001	1	91%	90	110	0%	
Zinc	A	mg/L	0.05287	0.05287		0.05	0	0	0.00273	0.00273	1	106%	90	110	0%	
Iron, Ferrous	C	mg/L	0.2555	0.2555		0	0	0	0.00119	0.00119	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035604	CCV	ICPMS-6020-W- CCV			2/14/2022 1:30:0	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.05216	0.05216		0.05	0	0	0.00086	0.001	1	104%	90	110	0%	
Antimony	A	mg/L	0.05041	0.05041		0.05	0	0	0.00042	0.001	0.1	101%	90	110	0%	
Arsenic	A	mg/L	0.05087	0.05087		0.05	0	0	0.00019	0.001	1	102%	90	110	0%	
Barium	A	mg/L	0.04951	0.04951		0.05	0	0	0.000042	0.001	1	99%	90	110	0%	
Beryllium	A	mg/L	0.05034	0.05034		0.05	0	0	0.00012	0.001	1	101%	90	110	0%	
Boron	A	mg/L	0.05532	0.05532		0.05	0	0	0.00561	0.00561	1	111%	90	110	0%	S
Cadmium	A	mg/L	0.04954	0.04954		0.05	0	0	0.000025	0.001	1	99%	90	110	0%	
Calcium	A	mg/L	13.23	13.23		12.5	0	0	0.02092	0.02092	50	106%	90	110	0%	
Cerium	A	mg/L	0.0506	0.0506		0.05	0	0	0.000012	0.001	0.1	101%	90	110	0%	
Chromium	A	mg/L	0.05128	0.05128		0.05	0	0	0.00018	0.001	1	103%	90	110	0%	
Cobalt	A	mg/L	0.05017	0.05017		0.05	0	0	0.000042	0.001	1	100%	90	110	0%	
Copper	A	mg/L	0.05238	0.05238		0.05	0	0	0.00027	0.001	1	105%	90	110	0%	
Iron	A	mg/L	1.379	1.379		1.3	0	0	0.00119	0.00119	5	106%	90	110	0%	
Lanthanum	A	mg/L	0.05117	0.05117		0.05	0	0	0.000011	0.001	0.1	102%	90	110	0%	
Lead	A	mg/L	0.05021	0.05021		0.05	0	0	0.000056	0.001	1	100%	90	110	0%	
Magnesium	A	mg/L	13.06	13.06		12.5	0	0	0.00564	0.00564	50	104%	90	110	0%	
Manganese	A	mg/L	0.05223	0.05223		0.05	0	0	0.000095	0.001	1	104%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035604	CCV	ICPMS-6020-W- CCV			2/14/2022 1:30:0	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Mercury	A	mg/L	0.001036	0.001036		0.001	0	0	0.00016	0.001	0.002	104%	90	110	0%	
Molybdenum	A	mg/L	0.04816	0.04816		0.05	0	0	0.00005	0.001	0.1	96%	90	110	0%	
Nickel	A	mg/L	0.05367	0.05367		0.05	0	0	0.00063	0.001	1	107%	90	110	0%	
Potassium	A	mg/L	12.95	12.95		12.5	0	0	0.08139	0.08139	50	104%	90	110	0%	
Selenium	A	mg/L	0.05171	0.05171		0.05	0	0	0.00033	0.001	1	103%	90	110	0%	
Silicon	A	mg/L	0.2271	0.2271		0.2	0	0	0.01223	0.1	0.4	114%	90	110	0%	S
Silver	A	mg/L	0.01948	0.01948		0.02	0	0	0.00002	0.001	0.04	97%	90	110	0%	
Sodium	A	mg/L	13.22	13.22		12.5	0	0	0.02171	0.02171	50	106%	90	110	0%	
Strontium	A	mg/L	0.05052	0.05052		0.05	0	0	0.00014	0.001	1	101%	90	110	0%	
Thallium	A	mg/L	0.04571	0.04571		0.05	0	0	0.000041	0.001	1	91%	90	110	0%	
Thorium	A	mg/L	0.04935	0.04935		0.05	0	0	0.00061	0.001	1	99%	90	110	0%	
Tin	A	mg/L	0.04938	0.04938		0.05	0	0	0.00132	0.00132	0.1	99%	90	110	0%	
Titanium	A	mg/L	0.05009	0.05009		0.05	0	0	0.000094	0.001	1	100%	90	110	0%	
Uranium	A	mg/L	0.04958	0.04958		0.05	0	0	0.000052	0.0003	1	99%	90	110	0%	
Vanadium	A	mg/L	0.04577	0.04577		0.05	0	0	0.0013	0.0013	1	92%	90	110	0%	
Zinc	A	mg/L	0.0528	0.0528		0.05	0	0	0.00273	0.00273	1	106%	90	110	0%	
Iron, Ferrous	C	mg/L	1.379	1.379		0	0	0	0.00119	0.00119	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035605	CCB	ICPMS-6020-W- CCB			2/14/2022 1:36:2	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	-0.0002337	-0.0002337		0	0	0	0.00086	0.001	1	0%			0%	
Antimony	A	mg/L	0.00008912	0.00008912		0	0	0	0.00042	0.001	0.1	0%			0%	
Arsenic	A	mg/L	-0.0001829	-0.0001829		0	0	0	0.00019	0.001	1	0%			0%	
Barium	A	mg/L	-1.987E-06	-1.987E-06		0	0	0	0.000042	0.001	1	0%			0%	
Beryllium	A	mg/L	-4.068E-05	-4.068E-05		0	0	0	0.00012	0.001	1	0%			0%	
Boron	A	mg/L	0.001904	0.001904		0	0	0	0.00561	0.00561	1	0%			0%	
Cadmium	A	mg/L	6.249E-06	6.249E-06		0	0	0	0.000025	0.001	1	0%			0%	
Calcium	A	mg/L	0.001741	0.001741		0	0	0	0.02092	0.02092	50	0%			0%	
Cerium	A	mg/L	2.06E-07	2.06E-07		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	8.743E-06	8.743E-06		0	0	0	0.00018	0.001	1	0%			0%	
Cobalt	A	mg/L	9.345E-07	9.345E-07		0	0	0	0.000042	0.001	1	0%			0%	
Copper	A	mg/L	0.0000105	0.0000105		0	0	0	0.00027	0.001	1	0%			0%	
Iron	A	mg/L	0.00001303	0.00001303		0	0	0	0.00119	0.00119	5	0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035605	CCB	ICPMS-6020-W-	CCB		2/14/2022 1:36:2	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Lanthanum	A	mg/L	4.921E-07	4.921E-07		0	0	0	0.000011	0.001	0.1	0%	0	0	0%	
Lead	A	mg/L	5.265E-06	5.265E-06		0	0	0	0.000056	0.001	1	0%			0%	
Magnesium	A	mg/L	-0.0003656	-0.0003656		0	0	0	0.00564	0.00564	50	0%			0%	
Manganese	A	mg/L	-3.305E-06	-3.305E-06		0	0	0	0.000095	0.001	1	0%			0%	
Mercury	A	mg/L	6.942E-07	6.942E-07		0	0	0	0.00016	0.001	0.002	0%			0%	
Molybdenum	A	mg/L	0.00004685	0.00004685		0	0	0	0.00005	0.001	0.1	0%			0%	
Nickel	A	mg/L	1.608E-06	1.608E-06		0	0	0	0.00063	0.001	1	0%			0%	
Potassium	A	mg/L	0.02043	0.02043		0	0	0	0.08139	0.08139	50	0%			0%	
Selenium	A	mg/L	4.356E-06	4.356E-06		0	0	0	0.00033	0.001	1	0%			0%	
Silicon	A	mg/L	-0.001833	-0.001833		0	0	0	0.01223	0.1	0.4	0%	0	0	0%	
Silver	A	mg/L	5.076E-06	5.076E-06		0	0	0	0.00002	0.001	0.04	0%			0%	
Sodium	A	mg/L	0.001284	0.001284		0	0	0	0.02171	0.02171	50	0%			0%	
Strontium	A	mg/L	3.57E-07	3.57E-07		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00008797	0.00008797		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	0.00004581	0.00004581		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Tin	A	mg/L	0.00002478	0.00002478		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Titanium	A	mg/L	-1.496E-06	-1.496E-06		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	5.951E-06	5.951E-06		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Vanadium	A	mg/L	-0.003926	-0.003926		0	0	0	0.0013	0.0013	1	0%	0	0	0%	
Zinc	A	mg/L	-0.0001054	-0.0001054		0	0	0	0.00273	0.00273	1	0%	0	0	0%	
Iron, Ferrous	C	mg/L	0.00001303	0.00001303		0	0	0	0.00119	0.00119	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035606	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 1:42:3	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	-0.000261	0		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	-0.0001765	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	-3.13E-06	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Beryllium	A	mg/L	-4.704E-05	0		0	0	0	0.00012	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	7.971E-06	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	4.677E-07	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	-8.304E-06	0		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	-1.938E-06	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Copper	A	mg/L	7.981E-06	0		0	0	0	0.00027	0.001	1	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035606	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 1:42:3	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Lanthanum	A	mg/L	2.76E-07	0		0	0	0	0.000011	0.001	0.1	0%	0	0	0%	
Lead	A	mg/L	1.915E-06	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	
Manganese	A	mg/L	-7.823E-06	0		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	1.003E-06	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	9.385E-06	0		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	
Nickel	A	mg/L	-1.909E-06	0		0	0	0	0.00063	0.001	1	0%	0	0	0%	
Selenium	A	mg/L	-0.0000116	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silver	A	mg/L	1.84E-07	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	-9.504E-07	0		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00002197	0		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	0.00001317	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	2.101E-06	0		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	1.807E-06	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Calcium	B	mg/L	0.001132	0		0	0	0	0.02092	0.02092	50	0%	0	0	0%	L
Iron	B	mg/L	-4.568E-05	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	-4.568E-05	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	-0.0004864	0		0	0	0	0.00564	0.00564	50	0%	0	0	0%	L
Potassium	B	mg/L	0.01606	0		0	0	0	0.08139	0.08139	50	0%	0	0	0%	L
Sodium	B	mg/L	0.0009693	0		0	0	0	0.02171	0.02171	50	0%	0	0	0%	L
Tin	B	mg/L	-4.082E-06	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	-9.149E-05	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035607	LRB	ICPMS-6020-W-	MBLK		2/14/2022 1:48:4	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.00003802	0		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Antimony	A	mg/L	0.00002552	0		0	0	0	0.00042	0.001	0.1	0%	0	0	0%	
Arsenic	A	mg/L	-0.0001785	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	0.0000102	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Beryllium	A	mg/L	-4.607E-05	0		0	0	0	0.00012	0.001	1	0%	0	0	0%	
Boron	A	mg/L	0.001196	0		0	0	0	0.00561	0.00561	1	0%	0	0	0%	
Cadmium	A	mg/L	0.0000201	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Calcium	A	mg/L	0.005054	0		0	0	0	0.02092	0.02092	50	0%	0	0	0%	
Cerium	A	mg/L	5.681E-07	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035607	LRB	ICPMS-6020-W-	MBLK		2/14/2022 1:48:4	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chromium	A	mg/L	4.167E-06	0		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	1.998E-06	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Copper	A	mg/L	0.00003674	0		0	0	0	0.00027	0.001	1	0%	0	0	0%	
Iron	A	mg/L	0.0001914	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Lanthanum	A	mg/L	3.844E-07	0		0	0	0	0.000011	0.001	0.1	0%	0	0	0%	
Lead	A	mg/L	7.241E-06	0		0	0	0	0.000056	0.0005	1	0%	0	0	0%	
Magnesium	A	mg/L	0.002448	0		0	0	0	0.00564	0.00564	50	0%	0	0	0%	
Manganese	A	mg/L	3.487E-06	0		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	1.696E-06	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	5.759E-06	0		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	
Nickel	A	mg/L	-2.91E-06	0		0	0	0	0.00063	0.001	1	0%	0	0	0%	
Potassium	A	mg/L	0.0211	0		0	0	0	0.08139	0.08139	50	0%	0	0	0%	
Selenium	A	mg/L	-1.546E-05	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silicon	A	mg/L	-0.0000227	0		0	0	0	0.01223	0.1	0.4	0%	0	0	0%	
Silver	A	mg/L	-6.697E-05	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Sodium	A	mg/L	0.00704	0		0	0	0	0.02171	0.02171	50	0%	0	0	0%	
Strontium	A	mg/L	0.00002828	0		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00001164	0		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	7.507E-06	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Tin	A	mg/L	0.00002603	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Titanium	A	mg/L	-3.258E-06	0		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	1.667E-06	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Vanadium	A	mg/L	-0.004004	0		0	0	0	0.0013	0.0013	1	0%	0	0	0%	
Zinc	A	mg/L	0.0002793	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	
Iron, Ferrous	C	mg/L	0.0001914	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035608	LFB	ICPMS-6020-W-	LFB		2/14/2022 1:55:0	1.03	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.04954	0.0510262		0.05	0	0	0.0008858	0.001	1	102%	85	115	0%	
Antimony	A	mg/L	0.04888	0.0503464		0.05	0	0	0.0004326	0.001	0.1	101%	85	115	0%	
Arsenic	A	mg/L	0.04923	0.0507069		0.05	0	0	0.0001957	0.001	1	101%	85	115	0%	
Barium	A	mg/L	0.04695	0.0483585		0.05	0	0	4.326E-05	0.001	1	97%	85	115	0%	
Beryllium	A	mg/L	0.04789	0.0493267		0.05	0	0	0.0001236	0.001	1	99%	85	115	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035608	LFB	ICPMS-6020-W-	LFB		2/14/2022 1:55:0	1.03	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Boron	A	mg/L	0.05034	0.0518502		0.05	0	0	0.0057783	0.0057783	1	104%	85	115	0%	
Cadmium	A	mg/L	0.04726	0.0486778		0.05	0	0	2.575E-05	0.001	1	97%	85	115	0%	
Calcium	A	mg/L	49.57	51.0571		50	0	0	0.0215476	0.0215476	50	102%	85	115	0%	
Cerium	A	mg/L	0.04946	0.0509438		0.05	0	0	1.236E-05	0.001	0.1	102%	85	115	0%	
Chromium	A	mg/L	0.04792	0.0493576		0.05	0	0	0.0001854	0.001	1	99%	85	115	0%	
Cobalt	A	mg/L	0.04697	0.0483791		0.05	0	0	4.326E-05	0.001	1	97%	85	115	0%	
Copper	A	mg/L	0.0493	0.050779		0.05	0	0	0.0002781	0.001	1	102%	85	115	0%	
Iron	A	mg/L	5.002	5.15206		5.05	0	0	0.0012257	0.0012257	5	102%	85	115	0%	
Lanthanum	A	mg/L	5.445E-06	0		0.05	0	0	1.133E-05	0.001	0.1	0%	85	115	0%	S
Lead	A	mg/L	0.04965	0.0511395		0.05	0	0	5.768E-05	0.001	1	102%	88	115	0%	
Magnesium	A	mg/L	49.79	51.2837		50	0	0	0.0058092	0.0058092	50	103%	85	115	0%	
Manganese	A	mg/L	0.0496	0.051088		0.05	0	0	9.785E-05	0.001	1	102%	85	115	0%	
Mercury	A	mg/L	0.001041	0.00107223		0.001	0	0	0.0001648	0.001	0.002	107%	85	115	0%	
Molybdenum	A	mg/L	0.04779	0.0492237		0.05	0	0	0.0000515	0.001	0.1	98%	85	115	0%	
Nickel	A	mg/L	0.05064	0.0521592		0.05	0	0	0.0006489	0.001	1	104%	85	115	0%	
Potassium	A	mg/L	49.04	50.5112		50	0	0	0.0838317	0.0838317	50	101%	85	115	0%	
Selenium	A	mg/L	0.04929	0.0507687		0.05	0	0	0.0003399	0.001	1	102%	85	115	0%	
Silicon	A	mg/L	0.1905	0.196215		0.2	0	0	0.0125969	0.1	0.4	98%	85	115	0%	
Silver	A	mg/L	0.01967	0.0202601		0.02	0	0	0.0000206	0.001	0.04	101%	85	115	0%	
Sodium	A	mg/L	51.46	53.0038		50	0	0	0.0223613	0.0223613	50	106%	85	115	0%	
Strontium	A	mg/L	0.04839	0.0498417		0.05	0	0	0.0001442	0.001	1	100%	85	115	0%	
Thallium	A	mg/L	0.05016	0.0516648		0.05	0	0	4.223E-05	0.001	1	103%	85	115	0%	
Thorium	A	mg/L	0.04856	0.0500168		0.05	0	0	0.0006283	0.001	1	100%	85	115	0%	
Tin	A	mg/L	0.04719	0.0486057		0.05	0	0	0.0013596	0.0013596	0.1	97%	85	115	0%	
Titanium	A	mg/L	0.05206	0.0536218		0.05	0	0	9.682E-05	0.001	1	107%	85	115	0%	
Uranium	A	mg/L	0.05047	0.0519841		0.05	0	0	5.356E-05	0.0003	1	104%	85	115	0%	
Vanadium	A	mg/L	0.04618	0.0475654		0.05	0	0	0.001339	0.001339	1	95%	85	115	0%	
Zinc	A	mg/L	0.0531	0.054693		0.05	0	0	0.0028119	0.0028119	1	109%	85	115	0%	
Iron, Ferrous	C	mg/L	5.002	5.15206		0	0	0	0.0012257	0.0012257	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035609	ICSA	ICPMS-6020-W-	ICSA		2/14/2022 2:01:2	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035609	ICSA	ICPMS-6020-W-	ICSA		2/14/2022 2:01:2	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	40.56	40.56		40	0	0	0.00086	0.001	1	101%	80	120	0%	
Antimony	A	mg/L	0.00011	0.00011		0	0	0	0.00042	0.001	0.1	0%			0%	
Arsenic	A	mg/L	-0.0002388	-0.0002388		0	0	0	0.00019	0.001	1	0%			0%	
Barium	A	mg/L	0.00009016	0.00009016		0	0	0	0.000042	0.001	1	0%			0%	
Beryllium	A	mg/L	-6.396E-05	-6.396E-05		0	0	0	0.00012	0.001	1	0%			0%	
Boron	A	mg/L	0.001278	0.001278		0	0	0	0.00561	0.00561	1	0%			0%	
Cadmium	A	mg/L	0.0000793	0.0000793		0	0	0	0.000025	0.001	1	0%			0%	
Calcium	A	mg/L	117.1	117.1		120	0	0	0.02092	0.02092	50	98%	80	120	0%	
Cerium	A	mg/L	0.00000502	0.00000502		0	0	0	0.000012	0.001	0.1	0%			0%	
Chromium	A	mg/L	0.0008436	0.0008436		0	0	0	0.00018	0.001	1	0%			0%	
Cobalt	A	mg/L	0.0003587	0.0003587		0	0	0	0.000042	0.001	1	0%			0%	
Copper	A	mg/L	0.000129	0.000129		0	0	0	0.00027	0.001	1	0%			0%	
Iron	A	mg/L	101.6	101.6		100	0	0	0.00119	0.00119	5	102%	80	120	0%	
Lanthanum	A	mg/L	0.00001136	0.00001136		0	0	0	0.000011	0.001	0.1	0%			0%	
Lead	A	mg/L	0.00002613	0.00002613		0	0	0	0.000056	0.001	1	0%			0%	
Magnesium	A	mg/L	41.65	41.65		50	0	0	0.00564	0.00564	50	83%			0%	
Manganese	A	mg/L	0.0001875	0.0001875		0	0	0	0.000095	0.001	1	0%			0%	
Mercury	A	mg/L	1.453E-06	1.453E-06		0	0	0	0.00016	0.001	0.002	0%			0%	
Molybdenum	A	mg/L	0.8255	0.8255		0.8	0	0	0.00005	0.001	0.1	103%	80	120	0%	
Nickel	A	mg/L	0.0002138	0.0002138		0	0	0	0.00063	0.001	1	0%			0%	
Potassium	A	mg/L	39.14	39.14		50	0	0	0.08139	0.08139	50	78%			0%	
Selenium	A	mg/L	0.0001709	0.0001709		0	0	0	0.00033	0.001	1	0%			0%	
Silicon	A	mg/L	-0.0003613	-0.0003613		0	0	0	0.01223	0.1	0.4	0%			0%	
Silver	A	mg/L	8.233E-06	8.233E-06		0	0	0	0.00002	0.001	0.04	0%			0%	
Sodium	A	mg/L	103.6	103.6		100	0	0	0.02171	0.02171	50	104%			0%	
Strontium	A	mg/L	0.001244	0.001244		0	0	0	0.00014	0.001	1	0%			0%	
Thallium	A	mg/L	0.00003946	0.00003946		0	0	0	0.000041	0.001	1	0%			0%	
Thorium	A	mg/L	0.00006981	0.00006981		0	0	0	0.00061	0.001	1	0%			0%	
Tin	A	mg/L	0.00006716	0.00006716		0	0	0	0.00132	0.00132	0.1	0%			0%	
Titanium	A	mg/L	0.8355	0.8355		0.8	0	0	0.000094	0.001	1	104%			0%	
Uranium	A	mg/L	5.205E-06	5.205E-06		0	0	0	0.000052	0.0003	1	0%			0%	
Vanadium	A	mg/L	-0.007066	-0.007066		0	0	0	0.0013	0.0013	1	0%			0%	
Zinc	A	mg/L	0.0005231	0.0005231		0	0	0	0.00273	0.00273	1	0%			0%	
Iron, Ferrous	C	mg/L	101.6	101.6		0	0	0	0.00119	0.00119	5	0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035610	ICSAB	ICPMS-6020-W-	ICSAB		2/14/2022 2:07:3	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	38.34	38.34		40	0	0	0.00086	0.001	1	96%	80	120	0%	
Antimony	A	mg/L	0.00007149	0.00007149		0	0	0	0.00042	0.001	0.1	0%			0%	
Arsenic	A	mg/L	0.009562	0.009562		0.01	0	0	0.00019	0.001	1	96%	80	120	0%	
Barium	A	mg/L	0.0001003	0.0001003		0	0	0	0.000042	0.001	1	0%			0%	
Beryllium	A	mg/L	-6.901E-05	-6.901E-05		0	0	0	0.00012	0.001	1	0%			0%	
Boron	A	mg/L	0.0009519	0.0009519		0	0	0	0.00561	0.00561	1	0%			0%	
Cadmium	A	mg/L	0.009402	0.009402		0.01	0	0	0.000025	0.001	1	94%	80	120	0%	
Calcium	A	mg/L	119.9	119.9		120	0	0	0.02092	0.02092	50	100%	80	120	0%	
Cerium	A	mg/L	4.622E-06	4.622E-06		0	0	0	0.000012	0.001	0.1	0%			0%	
Chromium	A	mg/L	0.01995	0.01995		0.02	0	0	0.00018	0.001	1	100%	80	120	0%	
Cobalt	A	mg/L	0.0198	0.0198		0.02	0	0	0.000042	0.001	1	99%	80	120	0%	
Copper	A	mg/L	0.02007	0.02007		0.02	0	0	0.00027	0.001	1	100%	80	120	0%	
Iron	A	mg/L	104	104		100	0	0	0.00119	0.00119	5	104%	80	120	0%	
Lanthanum	A	mg/L	0.0000123	0.0000123		0	0	0	0.000011	0.001	0.1	0%			0%	
Lead	A	mg/L	0.00003117	0.00003117		0	0	0	0.000056	0.001	1	0%			0%	
Magnesium	A	mg/L	41.51	41.51		40	0	0	0.00564	0.00564	50	104%	80	120	0%	
Manganese	A	mg/L	0.01975	0.01975		0.02	0	0	0.000095	0.001	1	99%	80	120	0%	
Mercury	A	mg/L	4.046E-06	4.046E-06		0	0	0	0.00016	0.001	0.002	0%			0%	
Molybdenum	A	mg/L	0.778	0.778		0.8	0	0	0.00005	0.001	0.1	97%	80	120	0%	
Nickel	A	mg/L	0.02074	0.02074		0.02	0	0	0.00063	0.001	1	104%	80	120	0%	
Potassium	A	mg/L	39.35	39.35		40	0	0	0.08139	0.08139	50	98%	80	120	0%	
Selenium	A	mg/L	0.01031	0.01031		0.01	0	0	0.00033	0.001	1	103%	80	120	0%	
Silicon	A	mg/L	-3.545E-05	-3.545E-05		0	0	0	0.01223	0.1	0.4	0%			0%	
Silver	A	mg/L	0.004587	0.004587		0.005	0	0	0.00002	0.001	0.04	92%	80	120	0%	
Sodium	A	mg/L	102.7	102.7		100	0	0	0.02171	0.02171	50	103%	80	120	0%	
Strontium	A	mg/L	0.001218	0.001218		0	0	0	0.00014	0.001	1	0%			0%	
Thallium	A	mg/L	0.00001475	0.00001475		0	0	0	0.000041	0.001	1	0%			0%	
Thorium	A	mg/L	0.00002912	0.00002912		0	0	0	0.00061	0.001	1	0%			0%	
Tin	A	mg/L	0.00008077	0.00008077		0	0	0	0.00132	0.00132	0.1	0%			0%	
Titanium	A	mg/L	0.7885	0.7885		0.8	0	0	0.000094	0.001	1	99%	80	120	0%	
Uranium	A	mg/L	2.767E-06	2.767E-06		0	0	0	0.000052	0.0003	1	0%			0%	
Vanadium	A	mg/L	0.01208	0.01208		0.02	0	0	0.0013	0.0013	1	60%	80	120	0%	S
Zinc	A	mg/L	0.01066	0.01066		0.01	0	0	0.00273	0.00273	1	107%	80	120	0%	
Iron, Ferrous	C	mg/L	104	104		0	0	0	0.00119	0.00119	5	0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035611	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 2:13:5	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.000054	0		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	-0.0003481	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	-6.233E-07	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Beryllium	A	mg/L	-6.459E-05	0		0	0	0	0.00012	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	2.37E-09	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	2.516E-07	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	-4.726E-05	0		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	0.00000188	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Copper	A	mg/L	-6.79E-06	0		0	0	0	0.00027	0.001	1	0%	0	0	0%	
Lead	A	mg/L	-4.875E-07	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	
Manganese	A	mg/L	-3.688E-06	0		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	-2.153E-06	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	0.0004559	0.0004559		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	J
Nickel	A	mg/L	-1.092E-05	0		0	0	0	0.00063	0.001	1	0%	0	0	0%	
Selenium	A	mg/L	-2.129E-05	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silver	A	mg/L	2.103E-06	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	3.775E-06	0		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	7.924E-06	0		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	1.709E-06	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0.0001457	0.0001457		0	0	0	0.000094	0.001	1	0%	0	0	0%	J
Uranium	A	mg/L	5.495E-07	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Calcium	B	mg/L	0.002618	0		0	0	0	0.02092	0.02092	50	0%	0	0	0%	L
Iron	B	mg/L	0.001097	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0.001097	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	-0.0001665	0		0	0	0	0.00564	0.00564	50	0%	0	0	0%	L
Potassium	B	mg/L	0.006986	0		0	0	0	0.08139	0.08139	50	0%	0	0	0%	L
Sodium	B	mg/L	0.02365	0.02365		0	0	0	0.02171	0.02171	50	0%	0	0	0%	D
Tin	B	mg/L	0.00001035	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	-5.899E-05	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035612	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 2:20:0	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035612	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 2:20:0	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	-0.0001758	0		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	-0.0003605	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	4.268E-06	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Beryllium	A	mg/L	-6.422E-05	0		0	0	0	0.00012	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	3.545E-06	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	1.543E-07	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	-2.268E-05	0		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	2.813E-06	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Copper	A	mg/L	-1.526E-05	0		0	0	0	0.00027	0.001	1	0%	0	0	0%	
Lead	A	mg/L	-1.091E-06	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	
Manganese	A	mg/L	-6.707E-08	0		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	-3.697E-07	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	0.000105	0.000105		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	J
Nickel	A	mg/L	-6.836E-06	0		0	0	0	0.00063	0.001	1	0%	0	0	0%	
Selenium	A	mg/L	-3.398E-05	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silver	A	mg/L	-3.051E-06	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	2.538E-06	0		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	6.005E-06	0		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	3.602E-07	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0.00008434	0		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	3.126E-07	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Calcium	B	mg/L	0.001632	0		0	0	0	0.02092	0.02092	50	0%	0	0	0%	L
Iron	B	mg/L	0.0004503	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0.0004503	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	-0.0002259	0		0	0	0	0.00564	0.00564	50	0%	0	0	0%	L
Potassium	B	mg/L	-0.002144	0		0	0	0	0.08139	0.08139	50	0%	0	0	0%	L
Sodium	B	mg/L	0.01288	0		0	0	0	0.02171	0.02171	50	0%	0	0	0%	L
Tin	B	mg/L	-0.000002	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	0.00004714	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035613	CCV	ICPMS-6020-W-	CCV		2/14/2022 2:26:2	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035613	CCV	ICPMS-6020-W- CCV			2/14/2022 2:26:2	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.05142	0.05142		0.05	0	0	0.00086	0.001	1	103%	90	110	0%	
Antimony	A	mg/L	0.05202	0.05202		0.05	0	0	0.00042	0.001	0.1	104%	90	110	0%	
Arsenic	A	mg/L	0.05148	0.05148		0.05	0	0	0.00019	0.001	1	103%	90	110	0%	
Barium	A	mg/L	0.04995	0.04995		0.05	0	0	0.000042	0.001	1	100%	90	110	0%	
Beryllium	A	mg/L	0.04797	0.04797		0.05	0	0	0.00012	0.001	1	96%	90	110	0%	
Boron	A	mg/L	0.05473	0.05473		0.05	0	0	0.00561	0.00561	1	109%	90	110	0%	
Cadmium	A	mg/L	0.05077	0.05077		0.05	0	0	0.000025	0.001	1	102%	90	110	0%	
Calcium	A	mg/L	13.16	13.16		12.5	0	0	0.02092	0.02092	50	105%	90	110	0%	
Cerium	A	mg/L	0.0522	0.0522		0.05	0	0	0.000012	0.001	0.1	104%	90	110	0%	
Chromium	A	mg/L	0.05063	0.05063		0.05	0	0	0.00018	0.001	1	101%	90	110	0%	
Cobalt	A	mg/L	0.05246	0.05246		0.05	0	0	0.000042	0.001	1	105%	90	110	0%	
Copper	A	mg/L	0.05419	0.05419		0.05	0	0	0.00027	0.001	1	108%	90	110	0%	
Iron	A	mg/L	1.36	1.36		1.3	0	0	0.00119	0.00119	5	105%	90	110	0%	
Lanthanum	A	mg/L	0.05229	0.05229		0.05	0	0	0.000011	0.001	0.1	105%	90	110	0%	
Lead	A	mg/L	0.0514	0.0514		0.05	0	0	0.000056	0.001	1	103%	90	110	0%	
Magnesium	A	mg/L	13.59	13.59		12.5	0	0	0.00564	0.00564	50	109%	90	110	0%	
Manganese	A	mg/L	0.05245	0.05245		0.05	0	0	0.000095	0.001	1	105%	90	110	0%	
Mercury	A	mg/L	0.001046	0.001046		0.001	0	0	0.00016	0.001	0.002	105%	90	110	0%	
Molybdenum	A	mg/L	0.0494	0.0494		0.05	0	0	0.00005	0.001	0.1	99%	90	110	0%	
Nickel	A	mg/L	0.05471	0.05471		0.05	0	0	0.00063	0.001	1	109%	90	110	0%	
Potassium	A	mg/L	12.87	12.87		12.5	0	0	0.08139	0.08139	50	103%	90	110	0%	
Selenium	A	mg/L	0.05234	0.05234		0.05	0	0	0.00033	0.001	1	105%	90	110	0%	
Silicon	A	mg/L	0.2194	0.2194		0.2	0	0	0.01223	0.1	0.4	110%	90	110	0%	
Silver	A	mg/L	0.02017	0.02017		0.02	0	0	0.00002	0.001	0.04	101%	90	110	0%	
Sodium	A	mg/L	13.81	13.81		12.5	0	0	0.02171	0.02171	50	110%	90	110	0%	
Strontium	A	mg/L	0.05088	0.05088		0.05	0	0	0.00014	0.001	1	102%	90	110	0%	
Thallium	A	mg/L	0.04818	0.04818		0.05	0	0	0.000041	0.001	1	96%	90	110	0%	
Thorium	A	mg/L	0.04775	0.04775		0.05	0	0	0.00061	0.001	1	95%	90	110	0%	
Tin	A	mg/L	0.04996	0.04996		0.05	0	0	0.00132	0.00132	0.1	100%	90	110	0%	
Titanium	A	mg/L	0.05179	0.05179		0.05	0	0	0.000094	0.001	1	104%	90	110	0%	
Uranium	A	mg/L	0.05093	0.05093		0.05	0	0	0.000052	0.0003	1	102%	90	110	0%	
Vanadium	A	mg/L	0.04513	0.04513		0.05	0	0	0.0013	0.0013	1	90%	90	110	0%	
Zinc	A	mg/L	0.05461	0.05461		0.05	0	0	0.00273	0.00273	1	109%	90	110	0%	
Iron, Ferrous	C	mg/L	1.36	1.36		0	0	0	0.00119	0.00119	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035614	CCB	ICPMS-6020-W-	CCB		2/14/2022 2:32:3	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	-0.0002442	-0.0002442		0	0	0	0.00086	0.001	1	0%			0%	
Antimony	A	mg/L	0.00007134	0.00007134		0	0	0	0.00042	0.001	0.1	0%			0%	
Arsenic	A	mg/L	-0.0003428	-0.0003428		0	0	0	0.00019	0.001	1	0%			0%	
Barium	A	mg/L	-1.342E-06	-1.342E-06		0	0	0	0.000042	0.001	1	0%			0%	
Beryllium	A	mg/L	-6.498E-05	-6.498E-05		0	0	0	0.00012	0.001	1	0%			0%	
Boron	A	mg/L	0.0008038	0.0008038		0	0	0	0.00561	0.00561	1	0%			0%	
Cadmium	A	mg/L	0.00000955	0.00000955		0	0	0	0.000025	0.001	1	0%			0%	
Calcium	A	mg/L	0.0004098	0.0004098		0	0	0	0.02092	0.02092	50	0%			0%	
Cerium	A	mg/L	6.427E-08	6.427E-08		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	8.432E-06	8.432E-06		0	0	0	0.00018	0.001	1	0%			0%	
Cobalt	A	mg/L	-1.752E-06	-1.752E-06		0	0	0	0.000042	0.001	1	0%			0%	
Copper	A	mg/L	-6.522E-06	-6.522E-06		0	0	0	0.00027	0.001	1	0%			0%	
Iron	A	mg/L	0.0001671	0.0001671		0	0	0	0.00119	0.00119	5	0%			0%	
Lanthanum	A	mg/L	2.356E-07	2.356E-07		0	0	0	0.000011	0.001	0.1	0%	0	0	0%	
Lead	A	mg/L	2.038E-07	2.038E-07		0	0	0	0.000056	0.001	1	0%			0%	
Magnesium	A	mg/L	-0.0001906	-0.0001906		0	0	0	0.00564	0.00564	50	0%			0%	
Manganese	A	mg/L	-5.742E-06	-5.742E-06		0	0	0	0.000095	0.001	1	0%			0%	
Mercury	A	mg/L	1.694E-06	1.694E-06		0	0	0	0.00016	0.001	0.002	0%			0%	
Molybdenum	A	mg/L	0.00006106	0.00006106		0	0	0	0.00005	0.001	0.1	0%			0%	
Nickel	A	mg/L	-1.283E-05	-1.283E-05		0	0	0	0.00063	0.001	1	0%			0%	
Potassium	A	mg/L	-0.004062	-0.004062		0	0	0	0.08139	0.08139	50	0%			0%	
Selenium	A	mg/L	-0.00002	-0.00002		0	0	0	0.00033	0.001	1	0%			0%	
Silicon	A	mg/L	-0.00186	-0.00186		0	0	0	0.01223	0.1	0.4	0%	0	0	0%	
Silver	A	mg/L	-3.686E-06	-3.686E-06		0	0	0	0.00002	0.001	0.04	0%			0%	
Sodium	A	mg/L	0.007525	0.007525		0	0	0	0.02171	0.02171	50	0%			0%	
Strontium	A	mg/L	0.00000224	0.00000224		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00007828	0.00007828		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	0.00003644	0.00003644		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Tin	A	mg/L	0.00001132	0.00001132		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Titanium	A	mg/L	0.00002941	0.00002941		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	2.729E-06	2.729E-06		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Vanadium	A	mg/L	-0.00617	-0.00617		0	0	0	0.0013	0.0013	1	0%	0	0	0%	
Zinc	A	mg/L	-0.0000651	-0.0000651		0	0	0	0.00273	0.00273	1	0%	0	0	0%	
Iron, Ferrous	C	mg/L	0.0001671	0.0001671		0	0	0	0.00119	0.00119	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035615	MB-163617	ICPMS-6020-W-	MBLK		2/14/2022 2:38:5	1	163617	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.002123	0		0	0	0	0.0038747	0.0031975	1	0%	0	0	0%	
Antimony	A	mg/L	0.00007729	0		0	0	0	0.0002799	0.001	0.1	0%	0	0	0%	
Arsenic	A	mg/L	-0.0001022	0		0	0	0	0.0003412	0.001	1	0%	0	0	0%	
Barium	A	mg/L	0.00001481	0		0	0	0	0.0002682	0.001	1	0%	0	0	0%	
Beryllium	A	mg/L	-5.303E-05	0		0	0	0	0.0001071	0.01	1	0%	0	0	0%	
Boron	A	mg/L	0.001302	0		0	0	0	0.0203802	0.01467	1	0%	0	0	0%	
Cadmium	A	mg/L	6.143E-06	0		0	0	0	1.821E-05	0.005	1	0%	0	0	0%	
Calcium	A	mg/L	0.01396	0		0	0	0	0.0372936	0.1103481	50	0%	0	0	0%	
Cerium	A	mg/L	1.566E-06	0		0	0	0	2.738E-05	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	0.00009066	0		0	0	0	0.0015375	0.0015375	1	0%	0	0	0%	
Cobalt	A	mg/L	0.00001462	0		0	0	0	9.541E-05	0.001	1	0%	0	0	0%	
Copper	A	mg/L	0.00007978	0		0	0	0	0.0008747	0.00198	1	0%	0	0	0%	
Iron	A	mg/L	0.001207	0		0	0	0	0.007424	0.00513	5	0%	0	0	0%	
Lanthanum	A	mg/L	1.035E-06	0		0	0	0	0.000055	0.001	0.1	0%	0	0	0%	
Lead	A	mg/L	0.00003084	0		0	0	0	7.716E-05	0.0005	1	0%	0	0	0%	
Magnesium	A	mg/L	0.0009626	0		0	0	0	0.0104254	0.0081522	50	0%	0	0	0%	
Manganese	A	mg/L	0.00003108	0		0	0	0	0.0005399	0.001	1	0%	0	0	0%	
Molybdenum	A	mg/L	0.0002182	0.0002182		0	0	0	0.0001763	0.001	0.1	0%	0	0	0%	
Nickel	A	mg/L	0.00003191	0		0	0	0	0.0002288	0.0024200	1	0%	0	0	0%	
Potassium	A	mg/L	-0.007273	0		0	0	0	0.0765619	0.0261205	50	0%	0	0	0%	
Selenium	A	mg/L	-4.484E-06	0		0	0	0	0.0001357	0.001	1	0%	0	0	0%	
Silicon	A	mg/L	0.01888	0		0	0	0	0.0422089	0.0053212	0.4	0%	0	0	0%	
Silver	A	mg/L	-6.458E-05	0		0	0	0	4.281E-05	0.001	0.04	0%	0	0	0%	
Sodium	A	mg/L	0.02517	0		0	0	0	0.1019461	0.7330269	50	0%	0	0	0%	
Strontium	A	mg/L	0.00001498	0		0	0	0	0.0002433	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00006882	0		0	0	0	0.0001114	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	0.0001538	0		0	0	0	0.0003796	0.00415	1	0%	0	0	0%	
Tin	A	mg/L	0.0003086	0		0	0	0	0.0018932	0.0011175	0.1	0%	0	0	0%	
Titanium	A	mg/L	0.0006546	0.0006546		0	0	0	0.0005733	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	2.574E-06	0		0	0	0	1.699E-05	0.0003	1	0%	0	0	0%	
Vanadium	A	mg/L	-0.005001	0		0	0	0	0.0039127	0.0021085	1	0%	0	0	0%	
Zinc	A	mg/L	0.0008124	0		0	0	0	0.0011617	0.0065544	1	0%	0	0	0%	
Silica	C	mg/L	0.0403881	0		0	0	0	0.0902933	0.0113831	5	0%	0	0	0%	
Silicon as SiO2	C	mg/L	0.0403881	0		0	0	0	0.0902933	0.0113831	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035616	LCS4-163617	ICPMS-6020-W-	LCS4		2/14/2022 2:45:0	1	163617	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.48	0.48		0.5	0	0	0.0038747	0.0031975	1	96%	80	120	0%	
Antimony	A	mg/L	0.1034	0.1034		0.1	0	0	0.0002799	0.001	0.1	103%	80	120	0%	
Arsenic	A	mg/L	0.1001	0.1001		0.1	0	0	0.0003412	0.001	1	100%	80	120	0%	
Barium	A	mg/L	0.09187	0.09187		0.1	0	0	0.0002682	0.001	1	92%	80	120	0%	
Beryllium	A	mg/L	0.04452	0.04452		0.05	0	0	0.0001071	0.01	1	89%	80	120	0%	
Boron	A	mg/L	0.1021	0.1021		0.1	0	0	0.0203802	0.01467	1	102%	80	120	0%	
Cadmium	A	mg/L	0.05176	0.05176		0.05	0	0	1.821E-05	0.005	1	104%	80	120	0%	
Calcium	A	mg/L	5.139	5.139		5	0	0	0.0372936	0.1103481	50	103%	80	120	0%	
Cerium	A	mg/L	0.1107	0.1107		0.1	0	0	2.738E-05	0.001	0.1	111%	80	120	0%	
Chromium	A	mg/L	0.1029	0.1029		0.1	0	0	0.0015375	0.0015375	1	103%	80	120	0%	
Cobalt	A	mg/L	0.09746	0.09746		0.1	0	0	9.541E-05	0.001	1	97%	80	120	0%	
Copper	A	mg/L	0.1091	0.1091		0.1	0	0	0.0008747	0.00198	1	109%	80	120	0%	
Iron	A	mg/L	0.5145	0.5145		0.5	0	0	0.007424	0.00513	5	103%	80	120	0%	
Lanthanum	A	mg/L	0.1073	0.1073		0.1	0	0	0.000055	0.001	0.1	107%	80	120	0%	
Lead	A	mg/L	0.09947	0.09947		0.1	0	0	7.716E-05	0.001	1	99%	88	115	0%	
Magnesium	A	mg/L	5.499	5.499		5	0	0	0.0104254	0.0081522	50	110%	80	120	0%	
Manganese	A	mg/L	0.5216	0.5216		0.5	0	0	0.0005399	0.001	1	104%	80	120	0%	
Molybdenum	A	mg/L	0.09074	0.09074		0.1	0	0	0.0001763	0.001	0.1	91%	80	120	0%	
Nickel	A	mg/L	0.1079	0.1079		0.1	0	0	0.0002288	0.0024200	1	108%	80	120	0%	
Potassium	A	mg/L	4.879	4.879		5	0	0	0.0765619	0.0261205	50	98%	80	120	0%	
Selenium	A	mg/L	0.1028	0.1028		0.1	0	0	0.0001357	0.001	1	103%	80	120	0%	
Silicon	A	mg/L	1	1		1	0	0	0.0422089	0.0053212	0.4	100%	80	120	0%	
Silver	A	mg/L	0.009447	0.009447		0.01	0	0	4.281E-05	0.001	0.04	94%	80	120	0%	
Sodium	A	mg/L	5.546	5.546		5	0	0	0.1019461	0.7330269	50	111%	80	120	0%	
Strontium	A	mg/L	0.1015	0.1015		0.1	0	0	0.0002433	0.001	1	101%	80	120	0%	
Thallium	A	mg/L	0.09923	0.09923		0.1	0	0	0.0001114	0.001	1	99%	80	120	0%	
Thorium	A	mg/L	0.09901	0.09901		0.1	0	0	0.0003796	0.00415	1	99%	80	120	0%	
Tin	A	mg/L	0.09682	0.09682		0.1	0	0	0.0018932	0.0011175	0.1	97%	80	120	0%	
Titanium	A	mg/L	0.09188	0.09188		0.1	0	0	0.0005733	0.001	1	92%	80	120	0%	
Uranium	A	mg/L	0.09831	0.09831		0.1	0	0	1.699E-05	0.0003	1	98%	80	120	0%	
Vanadium	A	mg/L	0.09438	0.09438		0.1	0	0	0.0039127	0.0021085	1	94%	80	120	0%	
Zinc	A	mg/L	0.1083	0.1083		0.1	0	0	0.0011617	0.0065544	1	108%	80	120	0%	
Silica	C	mg/L	2.1392	2.1392		0	0	0	0.0902933	0.0113831	5	0%	0	0	0%	
Silicon as SiO2	C	mg/L	2.1392	2.1392		2.14	0	0	0.0902933	0.0113831	5	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035617	B22020415-001	ICPMS-6020-W-	SAMP		2/14/2022 2:51:1	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.005963	0.005963		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	-0.0004334	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	0.02313	0.02313		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Beryllium	A	mg/L	-7.045E-05	0		0	0	0	0.00012	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	0.00004828	0.00004828		0	0	0	0.000025	0.001	1	0%	0	0	0%	J
Cerium	A	mg/L	0.00000537	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	0.001416	0.001416		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	0.000193	0.000193		0	0	0	0.000042	0.001	1	0%	0	0	0%	J
Copper	A	mg/L	0.002104	0.002104		0	0	0	0.00027	0.001	1	0%	0	0	0%	
Lead	A	mg/L	0.000368	0.000368		0	0	0	0.000056	0.001	1	0%	0	0	0%	J
Manganese	A	mg/L	0.03688	0.03688		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	0.00001892	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	0.0003822	0.0003822		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	J
Nickel	A	mg/L	0.002183	0.002183		0	0	0	0.00063	0.001	1	0%	0	0	0%	
Selenium	A	mg/L	0.0004563	0.0004563		0	0	0	0.00033	0.001	1	0%	0	0	0%	J
Silver	A	mg/L	-6.275E-05	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	0.1826	0.1826		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00016	0.00016		0	0	0	0.000041	0.001	1	0%	0	0	0%	J
Thorium	A	mg/L	0.00006404	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0.001495	0.001495		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00002806	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Calcium	B	mg/L	24.84	24.84		0	0	0	0.02092	0.02092	50	0%	0	0	0%	D
Iron	B	mg/L	0.005825	0.005825		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0.005825	0.005825		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	24.06	24.06		0	0	0	0.00564	0.00564	50	0%	0	0	0%	D
Potassium	B	mg/L	2.708	2.708		0	0	0	0.08139	0.08139	50	0%	0	0	0%	D
Tin	B	mg/L	0.0001702	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	0.006526	0.006526		0	0	0	0.00273	0.00273	1	0%	0	0	0%	D

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035618	B22020415-001	ICPMS-6020-W-	SD		2/14/2022 2:57:3	5	R374695		0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035618	B22020415-001	ICPMS-6020-W-	SD		2/14/2022 2:57:3	5	R374695		0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.003276	0.01638		0	0	0.005963	0.0043	0.0043	1	0%				N
Antimony	A	mg/L	0.0000488	0		0	0	0	0.0021	0.0021	0.1	0%				
Arsenic	A	mg/L	-0.0003017	0		0	0	0	0.00095	0.001	1	0%				
Barium	A	mg/L	0.00463	0.02315		0	0	0.02313	0.00021	0.001	1	0%			0%	
Beryllium	A	mg/L	-6.747E-05	0		0	0	0	0.0006	0.001	1	0%				
Boron	A	mg/L	0.01588	0.0794		0	0	0.06783	0.02805	0.02805	1	0%				N
Cadmium	A	mg/L	0.00002456	0		0	0	4.828E-05	0.000125	0.001	1	0%				
Calcium	A	mg/L	4.984	24.92		0	0	24.84	0.1046	0.1046	50	0%			0%	
Cerium	A	mg/L	2.883E-06	0		0	0	0	0.00006	0.001	0.1	0%				
Chromium	A	mg/L	0.0002944	0.001472		0	0	0.001416	0.0009	0.001	1	0%				N
Cobalt	A	mg/L	0.00004165	0		0	0	0.000193	0.00021	0.001	1	0%				
Copper	A	mg/L	0.0008039	0.0040195		0	0	0.002104	0.00135	0.00135	1	0%				N
Iron	A	mg/L	0.001818	0.00909		0	0	0.005825	0.00595	0.00595	5	0%				N
Lanthanum	A	mg/L	1.978E-06	0		0	0	0	0.000055	0.001	0.1	0%				
Lead	A	mg/L	0.0001014	0.000507		0	0	0.000368	0.00028	0.001	1	0%				N
Magnesium	A	mg/L	4.914	24.57		0	0	24.06	0.0282	0.0282	50	0%			2%	
Manganese	A	mg/L	0.007411	0.037055		0	0	0.03688	0.000475	0.001	1	0%			0%	
Mercury	A	mg/L	2.891E-06	0		0	0	0	0.0008	0.001	0.002	0%				
Molybdenum	A	mg/L	0.00009722	0.0004861		0	0	0.0003822	0.00025	0.001	0.1	0%				N
Nickel	A	mg/L	0.0005284	0		0	0	0.002183	0.00315	0.00315	1	0%				
Potassium	A	mg/L	0.4891	2.4455		0	0	2.708	0.40695	0.40695	50	0%				N
Selenium	A	mg/L	0.000057	0		0	0	0.0004563	0.00165	0.00165	1	0%				
Silicon	A	mg/L	4.077	20.385		0	0	20.73	0.06115	0.1	0.4	0%			2%	
Silver	A	mg/L	-6.471E-05	0		0	0	0	0.0001	0.001	0.04	0%				
Sodium	A	mg/L	13.09	65.45		0	0	63.15	0.10855	0.10855	50	0%			4%	
Strontium	A	mg/L	0.03612	0.1806		0	0	0.1826	0.0007	0.001	1	0%			1%	
Thallium	A	mg/L	0.00003907	0		0	0	0.00016	0.000205	0.001	1	0%				
Thorium	A	mg/L	0.0000217	0		0	0	0	0.00305	0.00305	1	0%				
Tin	A	mg/L	0.00009108	0		0	0	0	0.0066	0.0066	0.1	0%				
Titanium	A	mg/L	0.0003021	0.0015105		0	0	0.001495	0.00047	0.001	1	0%				N
Uranium	A	mg/L	7.022E-06	0		0	0	0	0.00026	0.0003	1	0%				
Vanadium	A	mg/L	-0.001304	0		0	0	0.007099	0.0065	0.0065	1	0%				
Zinc	A	mg/L	0.002863	0.014315		0	0	0.006526	0.01365	0.01365	1	0%				N
Iron, Ferrous	C	mg/L	0.001818	0.00909		0	0	0.005825	0.00595	0.00595	5	0%				N

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035619	B22020415-001	ICPMS-6020-W- MS			2/14/2022 3:03:4	1.03	R374695		2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.05106	0.0525918		0.05	0.005963	0	0.0008858	0.001	1	93%	75	125	0%	
Antimony	A	mg/L	0.04981	0.0513043		0.05	0	0	0.0004326	0.001	0.1	103%	75	125	0%	
Arsenic	A	mg/L	0.04902	0.0504906		0.05	0	0	0.0001957	0.001	1	101%	75	125	0%	
Barium	A	mg/L	0.07316	0.0753548		0.05	0.02313	0	4.326E-05	0.001	1	104%	75	125	0%	
Beryllium	A	mg/L	0.04432	0.0456496		0.05	0	0	0.0001236	0.001	1	91%	75	125	0%	
Boron	A	mg/L	0.1167	0.120201		0.05	0.06783	0	0.0057783	0.0057783	1	105%	75	125	0%	
Cadmium	A	mg/L	0.04826	0.0497078		0.05	4.828E-05	0	2.575E-05	0.001	1	99%	75	125	0%	
Calcium	A	mg/L	70.44	72.5532		50	24.84	0	0.0215476	0.0215476	50	95%	75	125	0%	E
Cerium	A	mg/L	0.05049	0.0520047		0.05	0	0	1.236E-05	0.001	0.1	104%	75	125	0%	
Chromium	A	mg/L	0.04847	0.0499241		0.05	0.001416	0	0.0001854	0.001	1	97%	75	125	0%	
Cobalt	A	mg/L	0.04709	0.0485027		0.05	0.000193	0	4.326E-05	0.001	1	97%	75	125	0%	
Copper	A	mg/L	0.05011	0.0516133		0.05	0.002104	0	0.0002781	0.001	1	99%	75	125	0%	
Iron	A	mg/L	4.955	5.10365		5.05	0.005825	0	0.0012257	0.0012257	5	101%	75	125	0%	
Lanthanum	A	mg/L	7.972E-06	0		0.05	0	0	1.133E-05	0.001	0.1	0%	75	125	0%	S
Lead	A	mg/L	0.04847	0.0499241		0.05	0.000368	0	5.768E-05	0.001	1	99%	88	115	0%	
Magnesium	A	mg/L	73.05	75.2415		50	24.06	0	0.0058092	0.0058092	50	102%	75	125	0%	E
Manganese	A	mg/L	0.08374	0.0862522		0.05	0.03688	0	9.785E-05	0.001	1	99%	75	125	0%	
Mercury	A	mg/L	0.001025	0.00105575		0.001	0	0	0.0001648	0.001	0.002	106%	75	125	0%	
Molybdenum	A	mg/L	0.04686	0.0482658		0.05	0.0003822	0	0.0000515	0.001	0.1	96%	75	125	0%	
Nickel	A	mg/L	0.05177	0.0533231		0.05	0.002183	0	0.0006489	0.001	1	102%	75	125	0%	
Potassium	A	mg/L	49.43	50.9129		50	2.708	0	0.0838317	0.0838317	50	96%	75	125	0%	
Selenium	A	mg/L	0.0498	0.051294		0.05	0.0004563	0	0.0003399	0.001	1	102%	75	125	0%	
Silicon	A	mg/L	20.07	20.6721		0.2	20.73	0	0.0125969	0.1	0.4		75	125	0%	AE
Silver	A	mg/L	0.01945	0.0200335		0.02	0	0	0.0000206	0.001	0.04	100%	75	125	0%	
Sodium	A	mg/L	109.6	112.888		50	63.15	0	0.0223613	0.0223613	50	99%	75	125	0%	E
Strontium	A	mg/L	0.2244	0.231132		0.05	0.1826	0	0.0001442	0.001	1	97%	75	125	0%	
Thallium	A	mg/L	0.04715	0.0485645		0.05	0.00016	0	4.223E-05	0.001	1	97%	75	125	0%	
Thorium	A	mg/L	0.04877	0.0502331		0.05	0	0	0.0006283	0.001	1	100%	75	125	0%	
Tin	A	mg/L	0.04825	0.0496975		0.05	0	0	0.0013596	0.0013596	0.1	99%	75	125	0%	
Titanium	A	mg/L	0.05248	0.0540544		0.05	0.001495	0	9.682E-05	0.001	1	105%	75	125	0%	
Uranium	A	mg/L	0.04948	0.0509644		0.05	0	0	5.356E-05	0.0003	1	102%	75	125	0%	
Vanadium	A	mg/L	0.05692	0.0586276		0.05	0.007099	0	0.001339	0.001339	1	103%	75	125	0%	
Zinc	A	mg/L	0.05589	0.0575667		0.05	0.006526	0	0.0028119	0.0028119	1	102%	75	125	0%	
Iron, Ferrous	C	mg/L	4.955	5.10365		0	0.005825	0	0.0012257	0.0012257	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035620	B22020415-001	ICPMS-6020-W-	MSD		2/14/2022 3:09:5	1.03	R374695		2E+07	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.05021	0.0517163		0.05	0.005963	0.0525918	0.0008858	0.001	1	92%	75	125	2%	
Antimony	A	mg/L	0.04679	0.0481937		0.05	0	0.0513043	0.0004326	0.001	0.1	96%	75	125	6%	
Arsenic	A	mg/L	0.04956	0.0510468		0.05	0	0.0504906	0.0001957	0.001	1	102%	75	125	1%	
Barium	A	mg/L	0.06895	0.0710185		0.05	0.02313	0.0753548	4.326E-05	0.001	1	96%	75	125	6%	
Beryllium	A	mg/L	0.0431	0.044393		0.05	0	0.0456496	0.0001236	0.001	1	89%	75	125	3%	
Boron	A	mg/L	0.1141	0.117523		0.05	0.06783	0.120201	0.0057783	0.0057783	1	99%	75	125	2%	
Cadmium	A	mg/L	0.04488	0.0462264		0.05	4.828E-05	0.0497078	2.575E-05	0.001	1	92%	75	125	7%	
Calcium	A	mg/L	70.23	72.3369		50	24.84	72.5532	0.0215476	0.0215476	50	95%	75	125	0%	E
Cerium	A	mg/L	0.05004	0.0515412		0.05	0	0.0520047	1.236E-05	0.001	0.1	103%	75	125	1%	
Chromium	A	mg/L	0.04953	0.0510159		0.05	0.001416	0.0499241	0.0001854	0.001	1	99%	75	125	2%	
Cobalt	A	mg/L	0.04561	0.0469783		0.05	0.000193	0.0485027	4.326E-05	0.001	1	94%	75	125	3%	
Copper	A	mg/L	0.05065	0.0521695		0.05	0.002104	0.0516133	0.0002781	0.001	1	100%	75	125	1%	
Iron	A	mg/L	4.991	5.14073		5.05	0.005825	5.10365	0.0012257	0.0012257	5	102%	75	125	1%	
Lanthanum	A	mg/L	6.438E-06	0		0.05	0	0	1.133E-05	0.001	0.1	0%	75	125		S
Lead	A	mg/L	0.04701	0.0484203		0.05	0.000368	0.0499241	5.768E-05	0.001	1	96%	88	115	3%	
Magnesium	A	mg/L	72.63	74.8089		50	24.06	75.2415	0.0058092	0.0058092	50	101%	75	125	1%	E
Manganese	A	mg/L	0.08445	0.0869835		0.05	0.03688	0.0862522	9.785E-05	0.001	1	100%	75	125	1%	
Mercury	A	mg/L	0.001042	0.00107326		0.001	0	0.0010558	0.0001648	0.001	0.002	107%	75	125	2%	
Molybdenum	A	mg/L	0.04392	0.0452376		0.05	0.0003822	0.0482658	0.0000515	0.001	0.1	90%	75	125	6%	
Nickel	A	mg/L	0.05141	0.0529523		0.05	0.002183	0.0533231	0.0006489	0.001	1	102%	75	125	1%	
Potassium	A	mg/L	49.84	51.3352		50	2.708	50.9129	0.0838317	0.0838317	50	97%	75	125	1%	
Selenium	A	mg/L	0.05003	0.0515309		0.05	0.0004563	0.051294	0.0003399	0.001	1	102%	75	125	0%	
Silicon	A	mg/L	19.87	20.4661		0.2	20.73	20.6721	0.0125969	0.1	0.4		75	125	1%	AE
Silver	A	mg/L	0.01813	0.0186739		0.02	0	0.0200335	0.0000206	0.001	0.04	93%	75	125	7%	
Sodium	A	mg/L	110.4	113.712		50	63.15	112.888	0.0223613	0.0223613	50	101%	75	125	1%	E
Strontium	A	mg/L	0.2283	0.235149		0.05	0.1826	0.231132	0.0001442	0.001	1	105%	75	125	2%	
Thallium	A	mg/L	0.04686	0.0482658		0.05	0.00016	0.0485645	4.223E-05	0.001	1	96%	75	125	1%	
Thorium	A	mg/L	0.04857	0.0500271		0.05	0	0.0502331	0.0006283	0.001	1	100%	75	125	0%	
Tin	A	mg/L	0.04572	0.0470916		0.05	0	0.0496975	0.0013596	0.0013596	0.1	94%	75	125	5%	
Titanium	A	mg/L	0.05202	0.0535806		0.05	0.001495	0.0540544	9.682E-05	0.001	1	104%	75	125	1%	
Uranium	A	mg/L	0.0476	0.049028		0.05	0	0.0509644	5.356E-05	0.0003	1	98%	75	125	4%	
Vanadium	A	mg/L	0.05765	0.0593795		0.05	0.007099	0.0586276	0.001339	0.001339	1	105%	75	125	1%	
Zinc	A	mg/L	0.05497	0.0566191		0.05	0.006526	0.0575667	0.0028119	0.0028119	1	100%	75	125	2%	
Iron, Ferrous	C	mg/L	4.991	5.14073		0	0.005825	5.10365	0.0012257	0.0012257	5	0%	0	0	1%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035621	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 3:16:1	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	-0.0003138	0		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	-0.0001566	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	-2.841E-06	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Beryllium	A	mg/L	-7.355E-05	0		0	0	0	0.00012	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	4.107E-06	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	1.009E-06	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	0.00001387	0		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	-3.187E-06	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Copper	A	mg/L	-1.147E-05	0		0	0	0	0.00027	0.001	1	0%	0	0	0%	
Lead	A	mg/L	3.105E-06	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	
Manganese	A	mg/L	3.487E-06	0		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	7.455E-06	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	0.00008196	0.00008196		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	J
Nickel	A	mg/L	-2.412E-05	0		0	0	0	0.00063	0.001	1	0%	0	0	0%	
Selenium	A	mg/L	-1.059E-05	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silver	A	mg/L	-1.098E-06	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	4.448E-06	0		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.000055	0.000055		0	0	0	0.000041	0.001	1	0%	0	0	0%	J
Thorium	A	mg/L	0.00002995	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0.0001432	0.0001432		0	0	0	0.000094	0.001	1	0%	0	0	0%	J
Uranium	A	mg/L	4.412E-06	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Calcium	B	mg/L	0.001079	0		0	0	0	0.02092	0.02092	50	0%	0	0	0%	L
Iron	B	mg/L	0.0001689	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0.0001689	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	0.001743	0		0	0	0	0.00564	0.00564	50	0%	0	0	0%	L
Potassium	B	mg/L	-0.006945	0		0	0	0	0.08139	0.08139	50	0%	0	0	0%	L
Sodium	B	mg/L	0.03281	0.03281		0	0	0	0.02171	0.02171	50	0%	0	0	0%	D
Tin	B	mg/L	0.00004661	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	-7.105E-07	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035622	B22020415-001	ICPMS-6020-W-	SAMP		2/14/2022 3:22:2	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035622	B22020415-001	ICPMS-6020-W-	SAMP		2/14/2022 3:22:2	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Arsenic	A	mg/L	0.0002387	0		0	0	0	0.0003412	0.001	1	0%	0	0	0%	U
Barium	A	mg/L	0.02399	0.02399		0	0	0	0.0002682	0.001	1	0%	0	0	0%	
Beryllium	A	mg/L	-0.000062	0		0	0	0	0.0001071	0.01	1	0%	0	0	0%	U
Cadmium	A	mg/L	0.00004363	0.00004363		0	0	0	1.821E-05	0.005	1	0%	0	0	0%	J
Cerium	A	mg/L	0.00003119	0.00003119		0	0	0	2.738E-05	0.001	0.1	0%	0	0	0%	J
Cobalt	A	mg/L	0.0002386	0.0002386		0	0	0	9.541E-05	0.001	1	0%	0	0	0%	J
Lanthanum	A	mg/L	0.00001935	0		0	0	0	0.000055	0.001	0.1	0%	0	0	0%	U
Lead	A	mg/L	0.0002833	0.0002833		0	0	0	7.716E-05	0.001	1	0%	0	0	0%	J
Manganese	A	mg/L	0.03948	0.03948		0	0	0	0.0005399	0.001	1	0%	0	0	0%	
Molybdenum	A	mg/L	0.000476	0.000476		0	0	0	0.0001763	0.001	0.1	0%	0	0	0%	J
Selenium	A	mg/L	0.0005156	0.0005156		0	0	0	0.0001357	0.001	1	0%	0	0	0%	J
Silver	A	mg/L	-6.112E-05	0		0	0	0	4.281E-05	0.001	0.04	0%	0	0	0%	U
Strontium	A	mg/L	0.1898	0.1898		0	0	0	0.0002433	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00009053	0		0	0	0	0.0001114	0.001	1	0%	0	0	0%	U
Titanium	A	mg/L	0.002374	0.002374		0	0	0	0.0005733	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00003219	0.00003219		0	0	0	1.699E-05	0.0003	1	0%	0	0	0%	J
Aluminum	B	mg/L	0.01729	0.01729		0	0	0	0.0038747	0.0031975	1	0%	0	0	0%	D
Calcium	B	mg/L	25.25	25.25		0	0	0	0.0372936	0.1103481	50	0%	0	0	0%	D
Chromium	B	mg/L	0.001797	0.001797		0	0	0	0.0015375	0.0015375	1	0%	0	0	0%	DU
Copper	B	mg/L	0.001813	0.001813		0	0	0	0.0008747	0.00198	1	0%	0	0	0%	JL
Iron	B	mg/L	0.04746	0.04746		0	0	0	0.007424	0.00513	5	0%	0	0	0%	D
Magnesium	B	mg/L	24.83	24.83		0	0	0	0.0104254	0.0081522	50	0%	0	0	0%	D
Nickel	B	mg/L	0.002051	0.002051		0	0	0	0.0002288	0.0024200	1	0%	0	0	0%	JL
Potassium	B	mg/L	2.716	2.716		0	0	0	0.0765619	0.0261205	50	0%	0	0	0%	D
Thorium	B	mg/L	0.0001764	0		0	0	0	0.0003796	0.00415	1	0%	0	0	0%	LU
Tin	B	mg/L	0.0004125	0		0	0	0	0.0018932	0.0011175	0.1	0%	0	0	0%	U
Zinc	B	mg/L	0.007351	0.007351		0	0	0	0.0011617	0.0065544	1	0%	0	0	0%	D

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035623	B22020415-001	ICPMS-6020-W-	SD		2/14/2022 3:28:4	5	163617	2/8/2022 3:3	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.004485	0.022425		0	0	0.01729	0.0193736	0.0159875	1	0%	0	0		N
Antimony	A	mg/L	0.00004933	0		0	0	0	0.0013997	0.0049	0.1	0%	0	0		
Arsenic	A	mg/L	-0.0001466	0		0	0	0	0.0017061	0.0013383	1	0%	0	0		

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035623	B22020415-001	ICPMS-6020-W-	SD		2/14/2022 3:28:4	5	163617	2/8/2022 3:3	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Barium	A	mg/L	0.004796	0.02398		0	0	0.02399	0.0013411	0.0012039	1	0%	0	0	0%	
Beryllium	A	mg/L	-7.693E-05	0		0	0	0	0.0005353	0.01	1	0%	0	0		
Boron	A	mg/L	0.01524	0		0	0	0.07206	0.1019008	0.07335	1	0%	0	0		
Cadmium	A	mg/L	0.00000967	0		0	0	4.363E-05	9.105E-05	0.005	1	0%	0	0		
Calcium	A	mg/L	4.994	24.97		0	0	25.25	0.1864681	0.5517403	50	0%	0	0	1%	
Cerium	A	mg/L	6.137E-06	0		0	0	3.119E-05	0.0001369	0.001	0.1	0%	0	0		
Chromium	A	mg/L	0.0003723	0		0	0	0.001797	0.0076875	0.0076875	1	0%	0	0		
Cobalt	A	mg/L	0.00004444	0		0	0	0.0002386	0.0004771	0.001	1	0%	0	0		
Copper	A	mg/L	0.0003878	0		0	0	0.001813	0.0043735	0.0099	1	0%	0	0		
Iron	A	mg/L	0.009724	0.04862		0	0	0.04746	0.0371198	0.02565	5	0%	0	0		N
Lanthanum	A	mg/L	3.546E-06	0		0	0	0	0.000275	0.001	0.1	0%	0	0		
Lead	A	mg/L	0.00006131	0		0	0	0.0002833	0.0003858	0.001	1	0%	0	0		
Magnesium	A	mg/L	5.109	25.545		0	0	24.83	0.0521269	0.0407608	50	0%	0	0	3%	
Manganese	A	mg/L	0.007637	0.038185		0	0	0.03948	0.0026994	0.0010695	1	0%	0	0	3%	
Molybdenum	A	mg/L	0.000093	0		0	0	0.000476	0.0008814	0.001	0.1	0%	0	0		
Nickel	A	mg/L	0.0003704	0.001852		0	0	0.002051	0.0011441	0.0121000	1	0%	0	0		N
Potassium	A	mg/L	0.4809	2.4045		0	0	2.716	0.3828097	0.1306027	50	0%	0	0		N
Selenium	A	mg/L	0.00008284	0		0	0	0.0005156	0.0006787	0.0029274	1	0%	0	0		
Silicon	A	mg/L	4.221	21.105		0	0	20.95	0.2110446	0.026606	0.4	0%	0	0	1%	
Silver	A	mg/L	-6.496E-05	0		0	0	0	0.0002141	0.001	0.04	0%	0	0		
Sodium	A	mg/L	13.36	66.8		0	0	65.47	0.5097304	3.6651346	50	0%	0	0	2%	
Strontium	A	mg/L	0.03675	0.18375		0	0	0.1898	0.0012164	0.001	1	0%	0	0	3%	
Thallium	A	mg/L	0.00003642	0		0	0	0	0.0005569	0.001	1	0%	0	0		
Thorium	A	mg/L	0.00001998	0		0	0	0	0.0018981	0.02075	1	0%	0	0		
Tin	A	mg/L	0.000134	0		0	0	0	0.0094659	0.0055874	0.1	0%	0	0		
Titanium	A	mg/L	0.0004964	0		0	0	0.002374	0.0028666	0.001	1	0%	0	0		
Uranium	A	mg/L	6.146E-06	0		0	0	3.219E-05	8.495E-05	0.0004224	1	0%	0	0		
Vanadium	A	mg/L	0.0006406	0		0	0	0.01415	0.0195637	0.0105423	1	0%	0	0		
Zinc	A	mg/L	0.001405	0.007025		0	0	0.007351	0.0058087	0.0327721	1	0%	0	0		N
Silica	C	mg/L	9.0295632	45.147816		0	0	0	0.4514666	0.0569155	5	0%	0	0		N
Silicon as SiO2	C	mg/L	9.0295632	45.147816		0	0	0	0.4514666	0.0569155	5	0%	0	0		N

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035624	B22020415-001	ICPMS-6020-W- PDS1			2/14/2022 3:34:5	1.03	163617	2/8/2022 3:3	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.05905	0.0608215		0.0515	0.01729	0	0.003991	0.0032934	1	85%	75	125	0%	
Antimony	A	mg/L	0.04839	0.0498417		0.0515	0	0	0.0002883	0.0010094	0.1	97%	75	125	0%	
Arsenic	A	mg/L	0.04904	0.0505112		0.0515	0	0	0.0003514	0.001	1	98%	75	125	0%	
Barium	A	mg/L	0.07123	0.0733669		0.0515	0.02399	0	0.0002763	0.001	1	96%	75	125	0%	
Beryllium	A	mg/L	0.04181	0.0430643		0.0515	0	0	0.0001103	0.01	1	84%	75	125	0%	
Boron	A	mg/L	0.1186	0.122158		0.0515	0.07206	0	0.0209916	0.0151101	1	97%	75	125	0%	
Cadmium	A	mg/L	0.04967	0.0511601		0.0515	4.363E-05	0	1.876E-05	0.005	1	99%	75	125	0%	
Calcium	A	mg/L	69.44	71.5232		51.5	25.25	0	0.0384124	0.1136585	50	90%	75	125	0%	
Cerium	A	mg/L	0.05101	0.0525403		0.0515	3.119E-05	0	2.820E-05	0.001	0.1	102%	75	125	0%	
Chromium	A	mg/L	0.04959	0.0510777		0.0515	0.001797	0	0.0015836	0.0015836	1	96%	75	125	0%	
Cobalt	A	mg/L	0.0433	0.044599		0.0515	0.0002386	0	9.827E-05	0.001	1	86%	75	125	0%	
Copper	A	mg/L	0.05086	0.0523858		0.0515	0.001813	0	0.0009009	0.0020394	1	98%	75	125	0%	
Iron	A	mg/L	5.022	5.17266		5.15	0.04746	0	0.0076467	0.0052839	5	100%	75	125	0%	
Lanthanum	A	mg/L	0.00001435	0		0.0515	0	0	5.665E-05	0.001	0.1	0%	75	125	0%	S
Lead	A	mg/L	0.04793	0.0493679		0.0515	0.0002833	0	7.947E-05	0.001	1	95%	80	120	0%	
Magnesium	A	mg/L	74.14	76.3642		51.5	24.83	0	0.0107381	0.0083967	50	100%	75	125	0%	
Manganese	A	mg/L	0.08507	0.0876221		0.0515	0.03948	0	0.0005561	0.001	1	93%	75	125	0%	
Molybdenum	A	mg/L	0.04684	0.0482452		0.0515	0.000476	0	0.0001816	0.001	0.1	93%	75	125	0%	
Nickel	A	mg/L	0.05074	0.0522622		0.0515	0.002051	0	0.0002357	0.0024926	1	97%	75	125	0%	
Potassium	A	mg/L	48.19	49.6357		51.5	2.716	0	0.0788588	0.0269042	50	91%	75	125	0%	
Selenium	A	mg/L	0.05025	0.0517575		0.0515	0.0005156	0	0.0001398	0.001	1	99%	75	125	0%	
Silicon	A	mg/L	20.18	20.7854		0.206	20.95	0	0.0434752	0.0054808	0.4		0	0	0%	A
Silver	A	mg/L	0.01885	0.0194155		0.0206	0	0	4.409E-05	0.001	0.04	94%	75	125	0%	
Sodium	A	mg/L	111.5	114.845		51.5	65.47	0	0.1050045	0.7550177	50	96%	75	125	0%	
Strontium	A	mg/L	0.2253	0.232059		0.0515	0.1898	0	0.0002506	0.001	1	82%	75	125	0%	
Thallium	A	mg/L	0.04688	0.0482864		0.0515	0	0	0.0001147	0.001	1	94%	75	125	0%	
Thorium	A	mg/L	0.04825	0.0496975		0.0515	0	0	0.000391	0.0042745	1	97%	75	125	0%	
Tin	A	mg/L	0.04895	0.0504185		0.0515	0	0	0.00195	0.001151	0.1	98%	75	125	0%	
Titanium	A	mg/L	0.0505	0.052015		0.0515	0.002374	0	0.0005905	0.001	1	96%	75	125	0%	
Uranium	A	mg/L	0.04832	0.0497696		0.0515	3.219E-05	0	1.75E-05	0.0003	1	97%	75	125	0%	
Vanadium	A	mg/L	0.0629	0.064787		0.0515	0.01415	0	0.0040301	0.0021717	1	98%	75	125	0%	
Zinc	A	mg/L	0.05458	0.0562174		0.0515	0.007351	0	0.0011966	0.0067511	1	95%	75	125	0%	
Silica	C	mg/L	43.169056	44.4641277		0	0	0	0.0930021	0.0117246	5	0%	0	0	0%	
Silicon as SiO2	C	mg/L	43.169056	44.4641277		0.0515	0	0	0.0930021	0.0117246	5	86338%	75	125	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035625	B22020415-001	ICPMS-6020-W- MS4			2/14/2022 3:41:0	1	163617	2/8/2022 3:3	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.4791	0.4791		0.5	0.01729	0	0.0038747	0.0031975	1	92%	75	125	0%	
Antimony	A	mg/L	0.1018	0.1018		0.1	0	0	0.0002799	0.001	0.1	102%	75	125	0%	
Arsenic	A	mg/L	0.09946	0.09946		0.1	0	0	0.0003412	0.001	1	99%	75	125	0%	
Barium	A	mg/L	0.1148	0.1148		0.1	0.02399	0	0.0002682	0.001	1	91%	75	125	0%	
Beryllium	A	mg/L	0.04374	0.04374		0.05	0	0	0.0001071	0.01	1	87%	75	125	0%	
Boron	A	mg/L	0.1668	0.1668		0.1	0.07206	0	0.0203802	0.01467	1	95%	75	125	0%	
Cadmium	A	mg/L	0.05082	0.05082		0.05	4.363E-05	0	1.821E-05	0.005	1	102%	75	125	0%	
Calcium	A	mg/L	29.7	29.7		5	25.25	0	0.0372936	0.1103481	50		75	125	0%	A
Cerium	A	mg/L	0.1074	0.1074		0.1	3.119E-05	0	2.738E-05	0.001	0.1	107%	75	125	0%	
Chromium	A	mg/L	0.09939	0.09939		0.1	0.001797	0	0.0015375	0.0015375	1	98%	75	125	0%	
Cobalt	A	mg/L	0.09367	0.09367		0.1	0.0002386	0	9.541E-05	0.001	1	93%	75	125	0%	
Copper	A	mg/L	0.1048	0.1048		0.1	0.001813	0	0.0008747	0.00198	1	103%	75	125	0%	
Iron	A	mg/L	0.5601	0.5601		0.5	0.04746	0	0.007424	0.00513	5	103%	75	125	0%	
Lanthanum	A	mg/L	0.1066	0.1066		0.1	0	0	0.000055	0.001	0.1	107%	75	125	0%	
Lead	A	mg/L	0.1002	0.1002		0.1	0.0002833	0	7.716E-05	0.001	1	100%	88	115	0%	
Magnesium	A	mg/L	29.58	29.58		5	24.83	0	0.0104254	0.0081522	50		75	125	0%	A
Manganese	A	mg/L	0.5487	0.5487		0.5	0.03948	0	0.0005399	0.001	1	102%	75	125	0%	
Molybdenum	A	mg/L	0.09161	0.09161		0.1	0.000476	0	0.0001763	0.001	0.1	91%	75	125	0%	
Nickel	A	mg/L	0.1066	0.1066		0.1	0.002051	0	0.0002288	0.0024200	1	105%	75	125	0%	
Potassium	A	mg/L	7.446	7.446		5	2.716	0	0.0765619	0.0261205	50	95%	75	125	0%	
Selenium	A	mg/L	0.1036	0.1036		0.1	0.0005156	0	0.0001357	0.001	1	103%	75	125	0%	
Silicon	A	mg/L	21.59	21.59		1	20.95	0	0.0422089	0.0053212	0.4		75	125	0%	A
Silver	A	mg/L	0.009052	0.009052		0.01	0	0	4.281E-05	0.001	0.04	91%	75	125	0%	
Sodium	A	mg/L	69.26	69.26		5	65.47	0	0.1019461	0.7330269	50		75	125	0%	A
Strontium	A	mg/L	0.2952	0.2952		0.1	0.1898	0	0.0002433	0.001	1	105%	75	125	0%	
Thallium	A	mg/L	0.09862	0.09862		0.1	0	0	0.0001114	0.001	1	99%	75	125	0%	
Thorium	A	mg/L	0.1025	0.1025		0.1	0	0	0.0003796	0.00415	1	102%	75	125	0%	
Tin	A	mg/L	0.09864	0.09864		0.1	0	0	0.0018932	0.0011175	0.1	99%	75	125	0%	
Titanium	A	mg/L	0.09441	0.09441		0.1	0.002374	0	0.0005733	0.001	1	92%	75	125	0%	
Uranium	A	mg/L	0.1005	0.1005		0.1	3.219E-05	0	1.699E-05	0.0003	1	100%	75	125	0%	
Vanadium	A	mg/L	0.1138	0.1138		0.1	0.01415	0	0.0039127	0.0021085	1	100%	75	125	0%	
Zinc	A	mg/L	0.1071	0.1071		0.1	0.007351	0	0.0011617	0.0065544	1	100%	75	125	0%	
Silica	C	mg/L	46.185328	46.185328		0	0	0	0.0902933	0.0113831	5	0%	0	0	0%	
Silicon as SiO2	C	mg/L	46.185328	46.185328		2.14	0	0	0.0902933	0.0113831	5	2158%	75	125	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035626	CCV	ICPMS-6020-W-	CCV		2/14/2022 3:47:2	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.05019	0.05019		0.05	0	0	0.00086	0.001	1	100%	90	110	0%	
Antimony	A	mg/L	0.05157	0.05157		0.05	0	0	0.00042	0.001	0.1	103%	90	110	0%	
Arsenic	A	mg/L	0.05004	0.05004		0.05	0	0	0.00019	0.001	1	100%	90	110	0%	
Barium	A	mg/L	0.0496	0.0496		0.05	0	0	0.000042	0.001	1	99%	90	110	0%	
Beryllium	A	mg/L	0.04673	0.04673		0.05	0	0	0.00012	0.001	1	93%	90	110	0%	
Boron	A	mg/L	0.05394	0.05394		0.05	0	0	0.00561	0.00561	1	108%	90	110	0%	
Cadmium	A	mg/L	0.05028	0.05028		0.05	0	0	0.000025	0.001	1	101%	90	110	0%	
Calcium	A	mg/L	12.87	12.87		12.5	0	0	0.02092	0.02092	50	103%	90	110	0%	
Cerium	A	mg/L	0.05258	0.05258		0.05	0	0	0.000012	0.001	0.1	105%	90	110	0%	
Chromium	A	mg/L	0.04991	0.04991		0.05	0	0	0.00018	0.001	1	100%	90	110	0%	
Cobalt	A	mg/L	0.04911	0.04911		0.05	0	0	0.000042	0.001	1	98%	90	110	0%	
Copper	A	mg/L	0.05243	0.05243		0.05	0	0	0.00027	0.001	1	105%	90	110	0%	
Iron	A	mg/L	1.37	1.37		1.3	0	0	0.00119	0.00119	5	105%	90	110	0%	
Lanthanum	A	mg/L	0.05153	0.05153		0.05	0	0	0.000011	0.001	0.1	103%	90	110	0%	
Lead	A	mg/L	0.05029	0.05029		0.05	0	0	0.000056	0.001	1	101%	90	110	0%	
Magnesium	A	mg/L	13.61	13.61		12.5	0	0	0.00564	0.00564	50	109%	90	110	0%	
Manganese	A	mg/L	0.05095	0.05095		0.05	0	0	0.000095	0.001	1	102%	90	110	0%	
Mercury	A	mg/L	0.001039	0.001039		0.001	0	0	0.00016	0.001	0.002	104%	90	110	0%	
Molybdenum	A	mg/L	0.04853	0.04853		0.05	0	0	0.00005	0.001	0.1	97%	90	110	0%	
Nickel	A	mg/L	0.05238	0.05238		0.05	0	0	0.00063	0.001	1	105%	90	110	0%	
Potassium	A	mg/L	12.56	12.56		12.5	0	0	0.08139	0.08139	50	100%	90	110	0%	
Selenium	A	mg/L	0.0515	0.0515		0.05	0	0	0.00033	0.001	1	103%	90	110	0%	
Silicon	A	mg/L	0.2238	0.2238		0.2	0	0	0.01223	0.1	0.4	112%	90	110	0%	S
Silver	A	mg/L	0.01999	0.01999		0.02	0	0	0.00002	0.001	0.04	100%	90	110	0%	
Sodium	A	mg/L	13.74	13.74		12.5	0	0	0.02171	0.02171	50	110%	90	110	0%	
Strontium	A	mg/L	0.05042	0.05042		0.05	0	0	0.00014	0.001	1	101%	90	110	0%	
Thallium	A	mg/L	0.04941	0.04941		0.05	0	0	0.000041	0.001	1	99%	90	110	0%	
Thorium	A	mg/L	0.04809	0.04809		0.05	0	0	0.00061	0.001	1	96%	90	110	0%	
Tin	A	mg/L	0.0498	0.0498		0.05	0	0	0.00132	0.00132	0.1	100%	90	110	0%	
Titanium	A	mg/L	0.0483	0.0483		0.05	0	0	0.000094	0.001	1	97%	90	110	0%	
Uranium	A	mg/L	0.04963	0.04963		0.05	0	0	0.000052	0.0003	1	99%	90	110	0%	
Vanadium	A	mg/L	0.04705	0.04705		0.05	0	0	0.0013	0.0013	1	94%	90	110	0%	
Zinc	A	mg/L	0.05264	0.05264		0.05	0	0	0.00273	0.00273	1	105%	90	110	0%	
Iron, Ferrous	C	mg/L	1.37	1.37		0	0	0	0.00119	0.00119	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035627	CCB	ICPMS-6020-W-	CCB		2/14/2022 3:53:3	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	-0.0003984	-0.0003984		0	0	0	0.00086	0.001	1	0%			0%	
Antimony	A	mg/L	0.0001056	0.0001056		0	0	0	0.00042	0.001	0.1	0%			0%	
Arsenic	A	mg/L	-0.0001704	-0.0001704		0	0	0	0.00019	0.001	1	0%			0%	
Barium	A	mg/L	-4.638E-06	-4.638E-06		0	0	0	0.000042	0.001	1	0%			0%	
Beryllium	A	mg/L	-6.931E-05	-6.931E-05		0	0	0	0.00012	0.001	1	0%			0%	
Boron	A	mg/L	0.001788	0.001788		0	0	0	0.00561	0.00561	1	0%			0%	
Cadmium	A	mg/L	6.848E-06	6.848E-06		0	0	0	0.000025	0.001	1	0%			0%	
Calcium	A	mg/L	1.986E-06	1.986E-06		0	0	0	0.02092	0.02092	50	0%			0%	
Cerium	A	mg/L	5.703E-07	5.703E-07		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	0.0000285	0.0000285		0	0	0	0.00018	0.001	1	0%			0%	
Cobalt	A	mg/L	-1.119E-06	-1.119E-06		0	0	0	0.000042	0.001	1	0%			0%	
Copper	A	mg/L	-8.179E-06	-8.179E-06		0	0	0	0.00027	0.001	1	0%			0%	
Iron	A	mg/L	0.00007771	0.00007771		0	0	0	0.00119	0.00119	5	0%			0%	
Lanthanum	A	mg/L	6.044E-07	6.044E-07		0	0	0	0.000011	0.001	0.1	0%	0	0	0%	
Lead	A	mg/L	3.477E-06	3.477E-06		0	0	0	0.000056	0.001	1	0%			0%	
Magnesium	A	mg/L	0.001724	0.001724		0	0	0	0.00564	0.00564	50	0%			0%	
Manganese	A	mg/L	2.173E-07	2.173E-07		0	0	0	0.000095	0.001	1	0%			0%	
Mercury	A	mg/L	6.461E-06	6.461E-06		0	0	0	0.00016	0.001	0.002	0%			0%	
Molybdenum	A	mg/L	0.00004041	0.00004041		0	0	0	0.00005	0.001	0.1	0%			0%	
Nickel	A	mg/L	-1.856E-05	-1.856E-05		0	0	0	0.00063	0.001	1	0%			0%	
Potassium	A	mg/L	-0.01854	-0.01854		0	0	0	0.08139	0.08139	50	0%			0%	
Selenium	A	mg/L	-6.552E-06	-6.552E-06		0	0	0	0.00033	0.001	1	0%			0%	
Silicon	A	mg/L	-9.897E-05	-9.897E-05		0	0	0	0.01223	0.1	0.4	0%	0	0	0%	
Silver	A	mg/L	-1.899E-06	-1.899E-06		0	0	0	0.00002	0.001	0.04	0%			0%	
Sodium	A	mg/L	0.02129	0.02129		0	0	0	0.02171	0.02171	50	0%			0%	
Strontium	A	mg/L	2.543E-06	2.543E-06		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.0001137	0.0001137		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	0.00004753	0.00004753		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Tin	A	mg/L	8.696E-06	8.696E-06		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Titanium	A	mg/L	0.00001857	0.00001857		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	3.675E-06	3.675E-06		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Vanadium	A	mg/L	-0.001361	-0.001361		0	0	0	0.0013	0.0013	1	0%	0	0	0%	
Zinc	A	mg/L	-5.253E-05	-5.253E-05		0	0	0	0.00273	0.00273	1	0%	0	0	0%	
Iron, Ferrous	C	mg/L	0.00007771	0.00007771		0	0	0	0.00119	0.00119	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035628	B22020415-001	ICPMS-6020-W- MSD4			2/14/2022 3:59:5	1	163617	2/8/2022 3:3	2E+07	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.4791	0.4791		0.5	0.01729	0.4791	0.0038747	0.0031975	1	92%	75	125	0%	
Antimony	A	mg/L	0.1052	0.1052		0.1	0	0.1018	0.0002799	0.001	0.1	105%	75	125	3%	
Arsenic	A	mg/L	0.1007	0.1007		0.1	0	0.09946	0.0003412	0.001	1	101%	75	125	1%	
Barium	A	mg/L	0.1176	0.1176		0.1	0.02399	0.1148	0.0002682	0.001	1	94%	75	125	2%	
Beryllium	A	mg/L	0.04267	0.04267		0.05	0	0.04374	0.0001071	0.01	1	85%	75	125	2%	
Boron	A	mg/L	0.168	0.168		0.1	0.07206	0.1668	0.0203802	0.01467	1	96%	75	125	1%	
Cadmium	A	mg/L	0.05219	0.05219		0.05	4.363E-05	0.05082	1.821E-05	0.005	1	104%	75	125	3%	
Calcium	A	mg/L	28.78	28.78		5	25.25	29.7	0.0372936	0.1103481	50		75	125	3%	A
Cerium	A	mg/L	0.1103	0.1103		0.1	3.119E-05	0.1074	2.738E-05	0.001	0.1	110%	75	125	3%	
Chromium	A	mg/L	0.102	0.102		0.1	0.001797	0.09939	0.0015375	0.0015375	1	100%	75	125	3%	
Cobalt	A	mg/L	0.09145	0.09145		0.1	0.0002386	0.09367	9.541E-05	0.001	1	91%	75	125	2%	
Copper	A	mg/L	0.1066	0.1066		0.1	0.001813	0.1048	0.0008747	0.00198	1	105%	75	125	2%	
Iron	A	mg/L	0.554	0.554		0.5	0.04746	0.5601	0.007424	0.00513	5	101%	75	125	1%	
Lanthanum	A	mg/L	0.1091	0.1091		0.1	0	0.1066	0.000055	0.001	0.1	109%	75	125	2%	
Lead	A	mg/L	0.1009	0.1009		0.1	0.0002833	0.1002	7.716E-05	0.001	1	101%	88	115	1%	
Magnesium	A	mg/L	29.46	29.46		5	24.83	29.58	0.0104254	0.0081522	50		75	125	0%	A
Manganese	A	mg/L	0.5428	0.5428		0.5	0.03948	0.5487	0.0005399	0.001	1	101%	75	125	1%	
Molybdenum	A	mg/L	0.09361	0.09361		0.1	0.000476	0.09161	0.0001763	0.001	0.1	93%	75	125	2%	
Nickel	A	mg/L	0.1068	0.1068		0.1	0.002051	0.1066	0.0002288	0.0024200	1	105%	75	125	0%	
Potassium	A	mg/L	7.367	7.367		5	2.716	7.446	0.0765619	0.0261205	50	93%	75	125	1%	
Selenium	A	mg/L	0.1026	0.1026		0.1	0.0005156	0.1036	0.0001357	0.001	1	102%	75	125	1%	
Silicon	A	mg/L	21.55	21.55		1	20.95	21.59	0.0422089	0.0053212	0.4		75	125	0%	A
Silver	A	mg/L	0.009176	0.009176		0.01	0	0.009052	4.281E-05	0.001	0.04	92%	75	125	1%	
Sodium	A	mg/L	68.2	68.2		5	65.47	69.26	0.1019461	0.7330269	50		75	125	2%	A
Strontium	A	mg/L	0.2891	0.2891		0.1	0.1898	0.2952	0.0002433	0.001	1	99%	75	125	2%	
Thallium	A	mg/L	0.09917	0.09917		0.1	0	0.09862	0.0001114	0.001	1	99%	75	125	1%	
Thorium	A	mg/L	0.1014	0.1014		0.1	0	0.1025	0.0003796	0.00415	1	101%	75	125	1%	
Tin	A	mg/L	0.09991	0.09991		0.1	0	0.09864	0.0018932	0.0011175	0.1	100%	75	125	1%	
Titanium	A	mg/L	0.09054	0.09054		0.1	0.002374	0.09441	0.0005733	0.001	1	88%	75	125	4%	
Uranium	A	mg/L	0.1004	0.1004		0.1	3.219E-05	0.1005	1.699E-05	0.0003	1	100%	75	125	0%	
Vanadium	A	mg/L	0.1125	0.1125		0.1	0.01415	0.1138	0.0039127	0.0021085	1	98%	75	125	1%	
Zinc	A	mg/L	0.1087	0.1087		0.1	0.007351	0.1071	0.0011617	0.0065544	1	101%	75	125	1%	
Silica	C	mg/L	46.09976	46.09976		0	0	46.185328	0.0902933	0.0113831	5	0%	0	0	0%	
Silicon as SiO2	C	mg/L	46.09976	46.09976		2.14	0	46.185328	0.0902933	0.0113831	5	2154%	75	125	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035629	Rinse	ICPMS-6020-W-	SAMP		2/14/2022 4:06:0	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	-0.0003954	0		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	-0.0002255	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	2.932E-06	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	5.266E-06	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	8.323E-07	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	2.359E-06	0		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	2.431E-07	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Copper	A	mg/L	-2.199E-06	0		0	0	0	0.00027	0.001	1	0%	0	0	0%	
Lead	A	mg/L	4.733E-06	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	
Manganese	A	mg/L	3.272E-06	0		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	9.985E-09	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	0.0000253	0		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	
Nickel	A	mg/L	-0.0000103	0		0	0	0	0.00063	0.001	1	0%	0	0	0%	
Selenium	A	mg/L	-1.491E-05	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silver	A	mg/L	-2.691E-06	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	8.904E-06	0		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.0001599	0.0001599		0	0	0	0.000041	0.001	1	0%	0	0	0%	J
Thorium	A	mg/L	0.00004585	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	-2.774E-05	0		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	3.145E-06	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Calcium	B	mg/L	0.0001484	0		0	0	0	0.02092	0.02092	50	0%	0	0	0%	L
Iron	B	mg/L	0.00004284	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0.00004284	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	0.0014	0		0	0	0	0.00564	0.00564	50	0%	0	0	0%	L
Potassium	B	mg/L	-0.0281	0		0	0	0	0.08139	0.08139	50	0%	0	0	0%	L
Tin	B	mg/L	4.192E-06	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	-7.229E-05	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035630	B22020415-006	ICPMS-6020-W-	SAMP		2/14/2022 4:12:1	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.003782	0.003782		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	0.00005505	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	0.003989	0.003989		0	0	0	0.000042	0.001	1	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035630	B22020415-006	ICPMS-6020-W-	SAMP		2/14/2022 4:12:1	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Cadmium	A	mg/L	0.00001495	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	0.00001896	0.00001896		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	J
Chromium	A	mg/L	-4.094E-05	0		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	0.0003948	0.0003948		0	0	0	0.000042	0.001	1	0%	0	0	0%	J
Copper	A	mg/L	0.0001558	0		0	0	0	0.00027	0.001	1	0%	0	0	0%	
Lead	A	mg/L	0.00001832	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	U
Manganese	A	mg/L	0.5135	0.5135		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	0.0001826	0.0001826		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	J
Molybdenum	A	mg/L	0.0003193	0.0003193		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	J
Nickel	A	mg/L	0.0008796	0.0008796		0	0	0	0.00063	0.001	1	0%	0	0	0%	J
Selenium	A	mg/L	-1.987E-05	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silver	A	mg/L	-6.595E-05	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	0.06823	0.06823		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.0001031	0.0001031		0	0	0	0.000041	0.001	1	0%	0	0	0%	J
Thorium	A	mg/L	0.0000108	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0.002323	0.002323		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00001079	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Calcium	B	mg/L	9.648	9.648		0	0	0	0.02092	0.02092	50	0%	0	0	0%	D
Iron	B	mg/L	0.452	0.452		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0.452	0.452		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	10.56	10.56		0	0	0	0.00564	0.00564	50	0%	0	0	0%	D
Potassium	B	mg/L	1.989	1.989		0	0	0	0.08139	0.08139	50	0%	0	0	0%	D
Sodium	B	mg/L	41.71	41.71		0	0	0	0.02171	0.02171	50	0%	0	0	0%	D
Tin	B	mg/L	-1.554E-05	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	0.001569	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035631	B22020415-006	ICPMS-6020-W-	SAMP		2/14/2022 4:18:3	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Arsenic	A	mg/L	0.0006609	0.0006609		0	0	0	0.0003412	0.001	1	0%	0	0	0%	J
Barium	A	mg/L	0.004286	0.004286		0	0	0	0.0002682	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	4.929E-06	0		0	0	0	1.821E-05	0.005	1	0%	0	0	0%	U
Cerium	A	mg/L	0.00009689	0.00009689		0	0	0	2.738E-05	0.001	0.1	0%	0	0	0%	J
Cobalt	A	mg/L	0.000401	0.000401		0	0	0	9.541E-05	0.001	1	0%	0	0	0%	J

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035631	B22020415-006	ICPMS-6020-W-	SAMP		2/14/2022 4:18:3	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Lanthanum	A	mg/L	0.00002875	0		0	0	0	0.000055	0.001	0.1	0%	0	0	0%	U
Lead	A	mg/L	0.00006283	0		0	0	0	7.716E-05	0.001	1	0%	0	0	0%	U
Manganese	A	mg/L	0.523	0.523		0	0	0	0.0005399	0.001	1	0%	0	0	0%	
Molybdenum	A	mg/L	0.0002803	0.0002803		0	0	0	0.0001763	0.001	0.1	0%	0	0	0%	J
Selenium	A	mg/L	0.00002599	0		0	0	0	0.0001357	0.001	1	0%	0	0	0%	U
Silver	A	mg/L	-3.891E-05	0		0	0	0	4.281E-05	0.001	0.04	0%	0	0	0%	U
Strontium	A	mg/L	0.06744	0.06744		0	0	0	0.0002433	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00009918	0		0	0	0	0.0001114	0.001	1	0%	0	0	0%	U
Titanium	A	mg/L	0.005244	0.005244		0	0	0	0.0005733	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00001132	0		0	0	0	1.699E-05	0.0003	1	0%	0	0	0%	U
Aluminum	B	mg/L	0.04484	0.04484		0	0	0	0.0038747	0.0031975	1	0%	0	0	0%	D
Calcium	B	mg/L	9.196	9.196		0	0	0	0.0372936	0.1103481	50	0%	0	0	0%	D
Chromium	B	mg/L	0.0003044	0		0	0	0	0.0015375	0.0015375	1	0%	0	0	0%	LU
Copper	B	mg/L	0.0009274	0.0009274		0	0	0	0.0008747	0.00198	1	0%	0	0	0%	JL
Iron	B	mg/L	0.5116	0.5116		0	0	0	0.007424	0.00513	5	0%	0	0	0%	D
Magnesium	B	mg/L	10.71	10.71		0	0	0	0.0104254	0.0081522	50	0%	0	0	0%	D
Nickel	B	mg/L	0.001047	0.001047		0	0	0	0.0002288	0.0024200	1	0%	0	0	0%	JL
Potassium	B	mg/L	1.833	1.833		0	0	0	0.0765619	0.0261205	50	0%	0	0	0%	D
Sodium	B	mg/L	42.18	42.18		0	0	0	0.1019461	0.7330269	50	0%	0	0	0%	D
Thorium	B	mg/L	0.0001306	0		0	0	0	0.0003796	0.00415	1	0%	0	0	0%	LU
Tin	B	mg/L	0.0002366	0		0	0	0	0.0018932	0.0011175	0.1	0%	0	0	0%	U
Zinc	B	mg/L	0.001936	0.001936		0	0	0	0.0011617	0.0065544	1	0%	0	0	0%	JL

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035632	B22020415-011	ICPMS-6020-W-	SAMP		2/14/2022 4:24:4	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.004212	0.004212		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	-0.0004462	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	0.004337	0.004337		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	0.00001649	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	6.284E-06	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	0.0007909	0.0007909		0	0	0	0.00018	0.001	1	0%	0	0	0%	J
Cobalt	A	mg/L	0.00005455	0.00005455		0	0	0	0.000042	0.001	1	0%	0	0	0%	J
Copper	A	mg/L	0.0004859	0.0004859		0	0	0	0.00027	0.001	1	0%	0	0	0%	J

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035632	B22020415-011	ICPMS-6020-W-	SAMP		2/14/2022 4:24:4	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Lead	A	mg/L	0.00001241	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	U
Manganese	A	mg/L	0.008143	0.008143		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	7.441E-06	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	0.0003266	0.0003266		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	J
Nickel	A	mg/L	0.0008135	0.0008135		0	0	0	0.00063	0.001	1	0%	0	0	0%	J
Selenium	A	mg/L	0.0002095	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silver	A	mg/L	-6.347E-05	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	0.1678	0.1678		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00004614	0.00004614		0	0	0	0.000041	0.001	1	0%	0	0	0%	J
Thorium	A	mg/L	-4.576E-06	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0.001951	0.001951		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00001041	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Calcium	B	mg/L	16.89	16.89		0	0	0	0.02092	0.02092	50	0%	0	0	0%	D
Iron	B	mg/L	0.001706	0.001706		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0.001706	0.001706		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	18.01	18.01		0	0	0	0.00564	0.00564	50	0%	0	0	0%	D
Potassium	B	mg/L	3.196	3.196		0	0	0	0.08139	0.08139	50	0%	0	0	0%	D
Sodium	B	mg/L	39.45	39.45		0	0	0	0.02171	0.02171	50	0%	0	0	0%	D
Tin	B	mg/L	-6.494E-05	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	0.00131	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035633	B22020415-011	ICPMS-6020-W-	SAMP		2/14/2022 4:31:0	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Arsenic	A	mg/L	0.0002587	0		0	0	0	0.0003412	0.001	1	0%	0	0	0%	U
Barium	A	mg/L	0.004641	0.004641		0	0	0	0.0002682	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	0.00000601	0		0	0	0	1.821E-05	0.005	1	0%	0	0	0%	U
Cerium	A	mg/L	0.00006631	0.00006631		0	0	0	2.738E-05	0.001	0.1	0%	0	0	0%	J
Cobalt	A	mg/L	0.0001754	0.0001754		0	0	0	9.541E-05	0.001	1	0%	0	0	0%	J
Lanthanum	A	mg/L	0.00002929	0		0	0	0	0.000055	0.001	0.1	0%	0	0	0%	U
Lead	A	mg/L	0.00002894	0		0	0	0	7.716E-05	0.001	1	0%	0	0	0%	U
Manganese	A	mg/L	0.01757	0.01757		0	0	0	0.0005399	0.001	1	0%	0	0	0%	
Molybdenum	A	mg/L	0.0007675	0.0007675		0	0	0	0.0001763	0.001	0.1	0%	0	0	0%	J
Selenium	A	mg/L	0.000235	0.000235		0	0	0	0.0001357	0.001	1	0%	0	0	0%	J

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035633	B22020415-011	ICPMS-6020-W-	SAMP		2/14/2022 4:31:0	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Silver	A	mg/L	-5.475E-05	0		0	0	0	4.281E-05	0.001	0.04	0%	0	0	0%	U
Strontium	A	mg/L	0.1728	0.1728		0	0	0	0.0002433	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00005909	0		0	0	0	0.0001114	0.001	1	0%	0	0	0%	U
Titanium	A	mg/L	0.006666	0.006666		0	0	0	0.0005733	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00001183	0		0	0	0	1.699E-05	0.0003	1	0%	0	0	0%	U
Aluminum	B	mg/L	0.0983	0.0983		0	0	0	0.0038747	0.0031975	1	0%	0	0	0%	D
Calcium	B	mg/L	16.4	16.4		0	0	0	0.0372936	0.1103481	50	0%	0	0	0%	D
Chromium	B	mg/L	0.001285	0		0	0	0	0.0015375	0.0015375	1	0%	0	0	0%	LU
Copper	B	mg/L	0.0008017	0		0	0	0	0.0008747	0.00198	1	0%	0	0	0%	LU
Iron	B	mg/L	0.0741	0.0741		0	0	0	0.007424	0.00513	5	0%	0	0	0%	D
Magnesium	B	mg/L	18.77	18.77		0	0	0	0.0104254	0.0081522	50	0%	0	0	0%	D
Nickel	B	mg/L	0.001128	0.001128		0	0	0	0.0002288	0.0024200	1	0%	0	0	0%	JL
Potassium	B	mg/L	3.083	3.083		0	0	0	0.0765619	0.0261205	50	0%	0	0	0%	D
Sodium	B	mg/L	40.17	40.17		0	0	0	0.1019461	0.7330269	50	0%	0	0	0%	D
Thorium	B	mg/L	0.00006965	0		0	0	0	0.0003796	0.00415	1	0%	0	0	0%	LU
Tin	B	mg/L	0.0002392	0		0	0	0	0.0018932	0.0011175	0.1	0%	0	0	0%	U
Zinc	B	mg/L	0.003137	0.003137		0	0	0	0.0011617	0.0065544	1	0%	0	0	0%	JL

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035634	B22020415-017	ICPMS-6020-W-	SAMP		2/14/2022 4:37:1	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.003087	0.003087		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	0.0004405	0.0004405		0	0	0	0.00019	0.001	1	0%	0	0	0%	J
Barium	A	mg/L	0.01112	0.01112		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	0.00002192	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	4.713E-06	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	0.0006896	0.0006896		0	0	0	0.00018	0.001	1	0%	0	0	0%	J
Cobalt	A	mg/L	0.0001126	0.0001126		0	0	0	0.000042	0.001	1	0%	0	0	0%	J
Copper	A	mg/L	0.0005615	0.0005615		0	0	0	0.00027	0.001	1	0%	0	0	0%	J
Lead	A	mg/L	0.00001517	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	U
Manganese	A	mg/L	0.002003	0.002003		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	0.000772	0.000772		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	J
Molybdenum	A	mg/L	0.001802	0.001802		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	
Nickel	A	mg/L	0.0004843	0		0	0	0	0.00063	0.001	1	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035634	B22020415-017	ICPMS-6020-W-	SAMP		2/14/2022 4:37:1	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Selenium	A	mg/L	0.0003927	0.0003927		0	0	0	0.00033	0.001	1	0%	0	0	0%	J
Silver	A	mg/L	-4.627E-05	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	0.3061	0.3061		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00002263	0		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	-5.833E-06	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0.001735	0.001735		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00007447	0.00007447		0	0	0	0.000052	0.0003	1	0%	0	0	0%	J
Calcium	B	mg/L	39.14	39.14		0	0	0	0.02092	0.02092	50	0%	0	0	0%	D
Iron	B	mg/L	0.01445	0.01445		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0.01445	0.01445		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	40.27	40.27		0	0	0	0.00564	0.00564	50	0%	0	0	0%	D
Potassium	B	mg/L	2.762	2.762		0	0	0	0.08139	0.08139	50	0%	0	0	0%	D
Tin	B	mg/L	-4.676E-05	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	0.001892	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035635	B22020415-017	ICPMS-6020-W-	SAMP		2/14/2022 4:43:3	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Arsenic	A	mg/L	0.001322	0.001322		0	0	0	0.0003412	0.001	1	0%	0	0	0%	
Barium	A	mg/L	0.01129	0.01129		0	0	0	0.0002682	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	0.00001026	0		0	0	0	1.821E-05	0.005	1	0%	0	0	0%	U
Cerium	A	mg/L	0.00003819	0.00003819		0	0	0	2.738E-05	0.001	0.1	0%	0	0	0%	J
Cobalt	A	mg/L	0.0001393	0.0001393		0	0	0	9.541E-05	0.001	1	0%	0	0	0%	J
Lanthanum	A	mg/L	0.00001755	0		0	0	0	0.000055	0.001	0.1	0%	0	0	0%	U
Lead	A	mg/L	0.00006939	0		0	0	0	7.716E-05	0.001	1	0%	0	0	0%	U
Manganese	A	mg/L	0.002803	0.002803		0	0	0	0.0005399	0.001	1	0%	0	0	0%	
Molybdenum	A	mg/L	0.001897	0.001897		0	0	0	0.0001763	0.001	0.1	0%	0	0	0%	
Selenium	A	mg/L	0.0004409	0.0004409		0	0	0	0.0001357	0.001	1	0%	0	0	0%	J
Silver	A	mg/L	-3.881E-05	0		0	0	0	4.281E-05	0.001	0.04	0%	0	0	0%	U
Strontium	A	mg/L	0.3076	0.3076		0	0	0	0.0002433	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00004743	0		0	0	0	0.0001114	0.001	1	0%	0	0	0%	U
Titanium	A	mg/L	0.003052	0.003052		0	0	0	0.0005733	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00007795	0.00007795		0	0	0	1.699E-05	0.0003	1	0%	0	0	0%	J
Aluminum	B	mg/L	0.01902	0.01902		0	0	0	0.0038747	0.0031975	1	0%	0	0	0%	D

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035635	B22020415-017	ICPMS-6020-W-	SAMP		2/14/2022 4:43:3	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Calcium	B	mg/L	39.09	39.09		0	0	0	0.0372936	0.1103481	50	0%	0	0	0%	D
Chromium	B	mg/L	0.00109	0		0	0	0	0.0015375	0.0015375	1	0%	0	0	0%	LU
Copper	B	mg/L	0.0006014	0		0	0	0	0.0008747	0.00198	1	0%	0	0	0%	LU
Iron	B	mg/L	0.07876	0.07876		0	0	0	0.007424	0.00513	5	0%	0	0	0%	D
Magnesium	B	mg/L	41.31	41.31		0	0	0	0.0104254	0.0081522	50	0%	0	0	0%	D
Nickel	B	mg/L	0.0006434	0.0006434		0	0	0	0.0002288	0.0024200	1	0%	0	0	0%	JL
Potassium	B	mg/L	2.74	2.74		0	0	0	0.0765619	0.0261205	50	0%	0	0	0%	D
Thorium	B	mg/L	0.00004757	0		0	0	0	0.0003796	0.00415	1	0%	0	0	0%	LU
Tin	B	mg/L	0.0003082	0		0	0	0	0.0018932	0.0011175	0.1	0%	0	0	0%	U
Zinc	B	mg/L	0.004792	0.004792		0	0	0	0.0011617	0.0065544	1	0%	0	0	0%	JL

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035636	B22020415-022	ICPMS-6020-W-	SAMP		2/14/2022 4:49:4	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.005417	0.005417		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	-0.0004206	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	0.003578	0.003578		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	0.00001772	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	3.837E-06	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	0.001991	0.001991		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	0.00002529	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Copper	A	mg/L	0.0006238	0.0006238		0	0	0	0.00027	0.001	1	0%	0	0	0%	J
Lead	A	mg/L	0.00001428	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	U
Manganese	A	mg/L	0.0003477	0.0003477		0	0	0	0.000095	0.001	1	0%	0	0	0%	J
Mercury	A	mg/L	9.398E-06	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	0.00009774	0.00009774		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	J
Nickel	A	mg/L	0.0006477	0.0006477		0	0	0	0.00063	0.001	1	0%	0	0	0%	J
Selenium	A	mg/L	0.00007557	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silver	A	mg/L	-6.442E-05	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	0.06874	0.06874		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00001705	0		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	-8.317E-06	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0.001637	0.001637		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00001743	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035636	B22020415-022	ICPMS-6020-W-	SAMP		2/14/2022 4:49:4	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Calcium	B	mg/L	10.42	10.42		0	0	0	0.02092	0.02092	50	0%	0	0	0%	D
Iron	B	mg/L	0.000985	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0.000985	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	10.11	10.11		0	0	0	0.00564	0.00564	50	0%	0	0	0%	D
Potassium	B	mg/L	2.038	2.038		0	0	0	0.08139	0.08139	50	0%	0	0	0%	D
Sodium	B	mg/L	31.95	31.95		0	0	0	0.02171	0.02171	50	0%	0	0	0%	D
Tin	B	mg/L	-2.744E-05	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	0.002288	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035637	B22020415-022	ICPMS-6020-W-	SAMP		2/14/2022 4:56:0	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Arsenic	A	mg/L	0.0003504	0.0003504		0	0	0	0.0003412	0.001	1	0%	0	0	0%	J
Barium	A	mg/L	0.003686	0.003686		0	0	0	0.0002682	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	2.585E-06	0		0	0	0	1.821E-05	0.005	1	0%	0	0	0%	U
Cerium	A	mg/L	0.00000834	0		0	0	0	2.738E-05	0.001	0.1	0%	0	0	0%	U
Cobalt	A	mg/L	0.00005139	0		0	0	0	9.541E-05	0.001	1	0%	0	0	0%	U
Lanthanum	A	mg/L	3.988E-06	0		0	0	0	0.000055	0.001	0.1	0%	0	0	0%	U
Lead	A	mg/L	0.0000322	0		0	0	0	7.716E-05	0.001	1	0%	0	0	0%	U
Manganese	A	mg/L	0.0004547	0		0	0	0	0.0005399	0.001	1	0%	0	0	0%	U
Molybdenum	A	mg/L	0.0001745	0		0	0	0	0.0001763	0.001	0.1	0%	0	0	0%	U
Selenium	A	mg/L	0.0001422	0.0001422		0	0	0	0.0001357	0.001	1	0%	0	0	0%	J
Silver	A	mg/L	-6.179E-05	0		0	0	0	4.281E-05	0.001	0.04	0%	0	0	0%	U
Strontium	A	mg/L	0.06804	0.06804		0	0	0	0.0002433	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.0000316	0		0	0	0	0.0001114	0.001	1	0%	0	0	0%	U
Titanium	A	mg/L	0.002189	0.002189		0	0	0	0.0005733	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00001754	0.00001754		0	0	0	1.699E-05	0.0003	1	0%	0	0	0%	J
Aluminum	B	mg/L	0.009832	0.009832		0	0	0	0.0038747	0.0031975	1	0%	0	0	0%	DU
Calcium	B	mg/L	10.27	10.27		0	0	0	0.0372936	0.1103481	50	0%	0	0	0%	D
Chromium	B	mg/L	0.004759	0.004759		0	0	0	0.0015375	0.0015375	1	0%	0	0	0%	DU
Copper	B	mg/L	0.000273	0		0	0	0	0.0008747	0.00198	1	0%	0	0	0%	LU
Iron	B	mg/L	0.02084	0.02084		0	0	0	0.007424	0.00513	5	0%	0	0	0%	D
Magnesium	B	mg/L	10.26	10.26		0	0	0	0.0104254	0.0081522	50	0%	0	0	0%	D
Nickel	B	mg/L	0.001422	0.001422		0	0	0	0.0002288	0.0024200	1	0%	0	0	0%	JL

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035637	B22020415-022	ICPMS-6020-W-	SAMP		2/14/2022 4:56:0	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Potassium	B	mg/L	1.906	1.906		0	0	0	0.0765619	0.0261205	50	0%	0	0	0%	D
Sodium	B	mg/L	33.15	33.15		0	0	0	0.1019461	0.7330269	50	0%	0	0	0%	D
Thorium	B	mg/L	0.00003284	0		0	0	0	0.0003796	0.00415	1	0%	0	0	0%	LU
Tin	B	mg/L	0.0003471	0		0	0	0	0.0018932	0.0011175	0.1	0%	0	0	0%	U
Zinc	B	mg/L	0.007889	0.007889		0	0	0	0.0011617	0.0065544	1	0%	0	0	0%	D

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035638	B22020415-027	ICPMS-6020-W-	SAMP		2/14/2022 5:02:1	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.0007821	0		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	-0.0004973	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	0.007067	0.007067		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	0.00001925	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	3.721E-07	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	0.001914	0.001914		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	0.00002633	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Copper	A	mg/L	0.002038	0.002038		0	0	0	0.00027	0.001	1	0%	0	0	0%	
Lead	A	mg/L	0.00007934	0.00007934		0	0	0	0.000056	0.001	1	0%	0	0	0%	J
Manganese	A	mg/L	0.001635	0.001635		0	0	0	0.000095	0.001	1	0%	0	0	0%	
Mercury	A	mg/L	2.307E-06	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	0.0002647	0.0002647		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	J
Nickel	A	mg/L	0.0001798	0		0	0	0	0.00063	0.001	1	0%	0	0	0%	
Selenium	A	mg/L	0.0002628	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silver	A	mg/L	-6.501E-05	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	0.1447	0.1447		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	5.217E-06	0		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	-8.65E-06	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0.001327	0.001327		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00002443	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Calcium	B	mg/L	19.66	19.66		0	0	0	0.02092	0.02092	50	0%	0	0	0%	D
Iron	B	mg/L	0.001355	0.001355		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0.001355	0.001355		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	20.25	20.25		0	0	0	0.00564	0.00564	50	0%	0	0	0%	D
Potassium	B	mg/L	2.589	2.589		0	0	0	0.08139	0.08139	50	0%	0	0	0%	D

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035638	B22020415-027	ICPMS-6020-W-	SAMP		2/14/2022 5:02:1	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Tin	B	mg/L	-6.476E-05	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	0.00273	0.00273		0	0	0	0.00273	0.00273	1	0%	0	0	0%	D

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035639	CCV	ICPMS-6020-W-	CCV		2/14/2022 5:08:2	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.04689	0.04689		0.05	0	0	0.00086	0.001	1	94%	90	110	0%	
Antimony	A	mg/L	0.04967	0.04967		0.05	0	0	0.00042	0.001	0.1	99%	90	110	0%	
Arsenic	A	mg/L	0.04962	0.04962		0.05	0	0	0.00019	0.001	1	99%	90	110	0%	
Barium	A	mg/L	0.04862	0.04862		0.05	0	0	0.000042	0.001	1	97%	90	110	0%	
Beryllium	A	mg/L	0.04357	0.04357		0.05	0	0	0.00012	0.001	1	87%	90	110	0%	S
Boron	A	mg/L	0.05108	0.05108		0.05	0	0	0.00561	0.00561	1	102%	90	110	0%	
Cadmium	A	mg/L	0.04786	0.04786		0.05	0	0	0.000025	0.001	1	96%	90	110	0%	
Calcium	A	mg/L	12.44	12.44		12.5	0	0	0.02092	0.02092	50	100%	90	110	0%	
Cerium	A	mg/L	0.05047	0.05047		0.05	0	0	0.000012	0.001	0.1	101%	90	110	0%	
Chromium	A	mg/L	0.04896	0.04896		0.05	0	0	0.00018	0.001	1	98%	90	110	0%	
Cobalt	A	mg/L	0.04762	0.04762		0.05	0	0	0.000042	0.001	1	95%	90	110	0%	
Copper	A	mg/L	0.05166	0.05166		0.05	0	0	0.00027	0.001	1	103%	90	110	0%	
Iron	A	mg/L	1.362	1.362		1.3	0	0	0.00119	0.00119	5	105%	90	110	0%	
Lanthanum	A	mg/L	0.05034	0.05034		0.05	0	0	0.000011	0.001	0.1	101%	90	110	0%	
Lead	A	mg/L	0.04897	0.04897		0.05	0	0	0.000056	0.001	1	98%	90	110	0%	
Magnesium	A	mg/L	13.31	13.31		12.5	0	0	0.00564	0.00564	50	106%	90	110	0%	
Manganese	A	mg/L	0.04997	0.04997		0.05	0	0	0.000095	0.001	1	100%	90	110	0%	
Mercury	A	mg/L	0.001006	0.001006		0.001	0	0	0.00016	0.001	0.002	101%	90	110	0%	
Molybdenum	A	mg/L	0.04634	0.04634		0.05	0	0	0.00005	0.001	0.1	93%	90	110	0%	
Nickel	A	mg/L	0.05228	0.05228		0.05	0	0	0.00063	0.001	1	105%	90	110	0%	
Potassium	A	mg/L	12.27	12.27		12.5	0	0	0.08139	0.08139	50	98%	90	110	0%	
Selenium	A	mg/L	0.05141	0.05141		0.05	0	0	0.00033	0.001	1	103%	90	110	0%	
Silicon	A	mg/L	0.2154	0.2154		0.2	0	0	0.01223	0.1	0.4	108%	90	110	0%	
Silver	A	mg/L	0.01909	0.01909		0.02	0	0	0.00002	0.001	0.04	95%	90	110	0%	
Sodium	A	mg/L	13.46	13.46		12.5	0	0	0.02171	0.02171	50	108%	90	110	0%	
Strontium	A	mg/L	0.04939	0.04939		0.05	0	0	0.00014	0.001	1	99%	90	110	0%	
Thallium	A	mg/L	0.04803	0.04803		0.05	0	0	0.000041	0.001	1	96%	90	110	0%	
Thorium	A	mg/L	0.04631	0.04631		0.05	0	0	0.00061	0.001	1	93%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035639	CCV	ICPMS-6020-W- CCV			2/14/2022 5:08:2	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Tin	A	mg/L	0.04852	0.04852		0.05	0	0	0.00132	0.00132	0.1	97%	90	110	0%	
Titanium	A	mg/L	0.04812	0.04812		0.05	0	0	0.000094	0.001	1	96%	90	110	0%	
Uranium	A	mg/L	0.04921	0.04921		0.05	0	0	0.000052	0.0003	1	98%	90	110	0%	
Vanadium	A	mg/L	0.04778	0.04778		0.05	0	0	0.0013	0.0013	1	96%	90	110	0%	
Zinc	A	mg/L	0.05103	0.05103		0.05	0	0	0.00273	0.00273	1	102%	90	110	0%	
Iron, Ferrous	C	mg/L	1.362	1.362		0	0	0	0.00119	0.00119	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035640	CCB	ICPMS-6020-W- CCB			2/14/2022 5:14:4	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	-0.000496	-0.000496		0	0	0	0.00086	0.001	1	0%			0%	
Antimony	A	mg/L	0.00006174	0.00006174		0	0	0	0.00042	0.001	0.1	0%			0%	
Arsenic	A	mg/L	-0.0001081	-0.0001081		0	0	0	0.00019	0.001	1	0%			0%	
Barium	A	mg/L	-2.284E-06	-2.284E-06		0	0	0	0.000042	0.001	1	0%			0%	
Beryllium	A	mg/L	-7.052E-05	-7.052E-05		0	0	0	0.00012	0.001	1	0%			0%	
Boron	A	mg/L	0.001169	0.001169		0	0	0	0.00561	0.00561	1	0%			0%	
Cadmium	A	mg/L	7.533E-06	7.533E-06		0	0	0	0.000025	0.001	1	0%			0%	
Calcium	A	mg/L	0.0001302	0.0001302		0	0	0	0.02092	0.02092	50	0%			0%	
Cerium	A	mg/L	4.943E-07	4.943E-07		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	0.0000204	0.0000204		0	0	0	0.00018	0.001	1	0%			0%	
Cobalt	A	mg/L	-2.385E-06	-2.385E-06		0	0	0	0.000042	0.001	1	0%			0%	
Copper	A	mg/L	-1.733E-05	-1.733E-05		0	0	0	0.00027	0.001	1	0%			0%	
Iron	A	mg/L	0.000121	0.000121		0	0	0	0.00119	0.00119	5	0%			0%	
Lanthanum	A	mg/L	5.275E-07	5.275E-07		0	0	0	0.000011	0.001	0.1	0%	0	0	0%	
Lead	A	mg/L	9.924E-07	9.924E-07		0	0	0	0.000056	0.001	1	0%			0%	
Magnesium	A	mg/L	0.0007812	0.0007812		0	0	0	0.00564	0.00564	50	0%			0%	
Manganese	A	mg/L	1.024E-06	1.024E-06		0	0	0	0.000095	0.001	1	0%			0%	
Mercury	A	mg/L	1.012E-06	1.012E-06		0	0	0	0.00016	0.001	0.002	0%			0%	
Molybdenum	A	mg/L	0.00002651	0.00002651		0	0	0	0.00005	0.001	0.1	0%			0%	
Nickel	A	mg/L	-1.744E-05	-1.744E-05		0	0	0	0.00063	0.001	1	0%			0%	
Potassium	A	mg/L	-0.02854	-0.02854		0	0	0	0.08139	0.08139	50	0%			0%	
Selenium	A	mg/L	-1.424E-05	-1.424E-05		0	0	0	0.00033	0.001	1	0%			0%	
Silicon	A	mg/L	-0.0007018	-0.0007018		0	0	0	0.01223	0.1	0.4	0%	0	0	0%	
Silver	A	mg/L	-3.458E-06	-3.458E-06		0	0	0	0.00002	0.001	0.04	0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035640	CCB	ICPMS-6020-W-	CCB		2/14/2022 5:14:4	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Sodium	A	mg/L	0.02986	0.02986		0	0	0	0.02171	0.02171	50	0%			0%	
Strontium	A	mg/L	-1.085E-06	-1.085E-06		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00006478	0.00006478		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	0.00002499	0.00002499		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Tin	A	mg/L	-7.053E-06	-7.053E-06		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Titanium	A	mg/L	0.0000258	0.0000258		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	2.839E-06	2.839E-06		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Vanadium	A	mg/L	0.0002554	0.0002554		0	0	0	0.0013	0.0013	1	0%	0	0	0%	
Zinc	A	mg/L	-0.000166	-0.000166		0	0	0	0.00273	0.00273	1	0%	0	0	0%	
Iron, Ferrous	C	mg/L	0.000121	0.000121		0	0	0	0.00119	0.00119	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035641	B22020415-027	ICPMS-6020-W-	SAMP		2/14/2022 5:20:5	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Arsenic	A	mg/L	0.0003083	0		0	0	0	0.0003412	0.001	1	0%	0	0	0%	U
Barium	A	mg/L	0.006962	0.006962		0	0	0	0.0002682	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	5.357E-06	0		0	0	0	1.821E-05	0.005	1	0%	0	0	0%	U
Cerium	A	mg/L	1.836E-06	0		0	0	0	2.738E-05	0.001	0.1	0%	0	0	0%	U
Cobalt	A	mg/L	0.00004753	0		0	0	0	9.541E-05	0.001	1	0%	0	0	0%	U
Lanthanum	A	mg/L	8.046E-07	0		0	0	0	0.000055	0.001	0.1	0%	0	0	0%	U
Lead	A	mg/L	0.00002487	0		0	0	0	7.716E-05	0.001	1	0%	0	0	0%	U
Manganese	A	mg/L	0.001697	0.001697		0	0	0	0.0005399	0.001	1	0%	0	0	0%	
Molybdenum	A	mg/L	0.0005301	0.0005301		0	0	0	0.0001763	0.001	0.1	0%	0	0	0%	J
Selenium	A	mg/L	0.0003273	0.0003273		0	0	0	0.0001357	0.001	1	0%	0	0	0%	J
Silver	A	mg/L	-6.576E-05	0		0	0	0	4.281E-05	0.001	0.04	0%	0	0	0%	U
Strontium	A	mg/L	0.1445	0.1445		0	0	0	0.0002433	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00005944	0		0	0	0	0.0001114	0.001	1	0%	0	0	0%	U
Titanium	A	mg/L	0.001789	0.001789		0	0	0	0.0005733	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00002726	0.00002726		0	0	0	1.699E-05	0.0003	1	0%	0	0	0%	J
Aluminum	B	mg/L	0.002345	0		0	0	0	0.0038747	0.0031975	1	0%	0	0	0%	LU
Calcium	B	mg/L	19.28	19.28		0	0	0	0.0372936	0.1103481	50	0%	0	0	0%	D
Chromium	B	mg/L	0.0023	0.0023		0	0	0	0.0015375	0.0015375	1	0%	0	0	0%	DU
Copper	B	mg/L	0.0001468	0		0	0	0	0.0008747	0.00198	1	0%	0	0	0%	LU
Iron	B	mg/L	0.002661	0		0	0	0	0.007424	0.00513	5	0%	0	0	0%	LU

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035641	B22020415-027	ICPMS-6020-W-	SAMP		2/14/2022 5:20:5	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Magnesium	B	mg/L	20.52	20.52		0	0	0	0.0104254	0.0081522	50	0%	0	0	0%	D
Nickel	B	mg/L	0.0002332	0.0002332		0	0	0	0.0002288	0.0024200	1	0%	0	0	0%	JL
Potassium	B	mg/L	2.523	2.523		0	0	0	0.0765619	0.0261205	50	0%	0	0	0%	D
Thorium	B	mg/L	0.0001018	0		0	0	0	0.0003796	0.00415	1	0%	0	0	0%	LU
Tin	B	mg/L	0.0002107	0		0	0	0	0.0018932	0.0011175	0.1	0%	0	0	0%	U
Zinc	B	mg/L	0.0009584	0		0	0	0	0.0011617	0.0065544	1	0%	0	0	0%	LU

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035642	B22020415-032	ICPMS-6020-W-	SAMP		2/14/2022 5:27:1	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.001306	0.001306		0	0	0	0.00086	0.001	1	0%	0	0	0%	
Arsenic	A	mg/L	-0.000499	0		0	0	0	0.00019	0.001	1	0%	0	0	0%	
Barium	A	mg/L	0.00675	0.00675		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	0.00001838	0		0	0	0	0.000025	0.001	1	0%	0	0	0%	
Cerium	A	mg/L	8.62E-07	0		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	0.001883	0.001883		0	0	0	0.00018	0.001	1	0%	0	0	0%	
Cobalt	A	mg/L	0.00002321	0		0	0	0	0.000042	0.001	1	0%	0	0	0%	
Copper	A	mg/L	0.0003808	0.0003808		0	0	0	0.00027	0.001	1	0%	0	0	0%	J
Lead	A	mg/L	0.00001084	0		0	0	0	0.000056	0.001	1	0%	0	0	0%	U
Manganese	A	mg/L	0.0007255	0.0007255		0	0	0	0.000095	0.001	1	0%	0	0	0%	J
Mercury	A	mg/L	1.281E-06	0		0	0	0	0.00016	0.001	0.002	0%	0	0	0%	
Molybdenum	A	mg/L	0.0002699	0.0002699		0	0	0	0.00005	0.001	0.1	0%	0	0	0%	J
Nickel	A	mg/L	0.0001811	0		0	0	0	0.00063	0.001	1	0%	0	0	0%	
Selenium	A	mg/L	0.0002452	0		0	0	0	0.00033	0.001	1	0%	0	0	0%	
Silver	A	mg/L	-6.405E-05	0		0	0	0	0.00002	0.001	0.04	0%	0	0	0%	
Strontium	A	mg/L	0.1426	0.1426		0	0	0	0.00014	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00001852	0		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	-7.904E-06	0		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Titanium	A	mg/L	0.001318	0.001318		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00002622	0		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Calcium	B	mg/L	19.42	19.42		0	0	0	0.02092	0.02092	50	0%	0	0	0%	D
Iron	B	mg/L	0.0009957	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Iron, Ferrous	B	mg/L	0.0009957	0		0	0	0	0.00119	0.00119	5	0%	0	0	0%	
Magnesium	B	mg/L	20.19	20.19		0	0	0	0.00564	0.00564	50	0%	0	0	0%	D

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035642	B22020415-032	ICPMS-6020-W-	SAMP		2/14/2022 5:27:1	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Potassium	B	mg/L	2.586	2.586		0	0	0	0.08139	0.08139	50	0%	0	0	0%	D
Sodium	B	mg/L	49.05	49.05		0	0	0	0.02171	0.02171	50	0%	0	0	0%	D
Tin	B	mg/L	-6.153E-05	0		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Zinc	B	mg/L	0.0008527	0		0	0	0	0.00273	0.00273	1	0%	0	0	0%	L

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035643	B22020415-032	ICPMS-6020-W-	SAMP		2/14/2022 5:33:2	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Arsenic	A	mg/L	0.0003186	0		0	0	0	0.0003412	0.001	1	0%	0	0	0%	U
Barium	A	mg/L	0.006776	0.006776		0	0	0	0.0002682	0.001	1	0%	0	0	0%	
Cadmium	A	mg/L	4.587E-06	0		0	0	0	1.821E-05	0.005	1	0%	0	0	0%	U
Cerium	A	mg/L	2.207E-06	0		0	0	0	2.738E-05	0.001	0.1	0%	0	0	0%	U
Cobalt	A	mg/L	0.00004181	0		0	0	0	9.541E-05	0.001	1	0%	0	0	0%	U
Lanthanum	A	mg/L	1.221E-06	0		0	0	0	0.000055	0.001	0.1	0%	0	0	0%	U
Lead	A	mg/L	0.00001606	0		0	0	0	7.716E-05	0.001	1	0%	0	0	0%	U
Manganese	A	mg/L	0.0007989	0.0007989		0	0	0	0.0005399	0.001	1	0%	0	0	0%	J
Molybdenum	A	mg/L	0.0006626	0.0006626		0	0	0	0.0001763	0.001	0.1	0%	0	0	0%	J
Selenium	A	mg/L	0.0003063	0.0003063		0	0	0	0.0001357	0.001	1	0%	0	0	0%	J
Silver	A	mg/L	-6.637E-05	0		0	0	0	4.281E-05	0.001	0.04	0%	0	0	0%	U
Strontium	A	mg/L	0.1419	0.1419		0	0	0	0.0002433	0.001	1	0%	0	0	0%	
Thallium	A	mg/L	0.00002592	0		0	0	0	0.0001114	0.001	1	0%	0	0	0%	U
Titanium	A	mg/L	0.001561	0.001561		0	0	0	0.0005733	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	0.00002535	0.00002535		0	0	0	1.699E-05	0.0003	1	0%	0	0	0%	J
Aluminum	B	mg/L	0.002394	0		0	0	0	0.0038747	0.0031975	1	0%	0	0	0%	LU
Calcium	B	mg/L	19.47	19.47		0	0	0	0.0372936	0.1103481	50	0%	0	0	0%	D
Chromium	B	mg/L	0.002145	0.002145		0	0	0	0.0015375	0.0015375	1	0%	0	0	0%	DU
Copper	B	mg/L	0.0001349	0		0	0	0	0.0008747	0.00198	1	0%	0	0	0%	LU
Iron	B	mg/L	0.001717	0		0	0	0	0.007424	0.00513	5	0%	0	0	0%	LU
Magnesium	B	mg/L	20.5	20.5		0	0	0	0.0104254	0.0081522	50	0%	0	0	0%	D
Nickel	B	mg/L	0.0002125	0		0	0	0	0.0002288	0.0024200	1	0%	0	0	0%	LU
Potassium	B	mg/L	2.538	2.538		0	0	0	0.0765619	0.0261205	50	0%	0	0	0%	D
Thorium	B	mg/L	0.00004541	0		0	0	0	0.0003796	0.00415	1	0%	0	0	0%	LU
Tin	B	mg/L	0.0001923	0		0	0	0	0.0018932	0.0011175	0.1	0%	0	0	0%	U
Zinc	B	mg/L	0.0008047	0		0	0	0	0.0011617	0.0065544	1	0%	0	0	0%	LU

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035643	B22020415-032	ICPMS-6020-W-	SAMP		2/14/2022 5:33:2	1	163617	2/8/2022 3:3	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035644	CCV	ICPMS-6020-W-	CCV		2/14/2022 5:39:4	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	0.04988	0.04988		0.05	0	0	0.00086	0.001	1	100%	90	110	0%	
Antimony	A	mg/L	0.05042	0.05042		0.05	0	0	0.00042	0.001	0.1	101%	90	110	0%	
Arsenic	A	mg/L	0.04858	0.04858		0.05	0	0	0.00019	0.001	1	97%	90	110	0%	
Barium	A	mg/L	0.04926	0.04926		0.05	0	0	0.000042	0.001	1	99%	90	110	0%	
Beryllium	A	mg/L	0.04572	0.04572		0.05	0	0	0.00012	0.001	1	91%	90	110	0%	
Boron	A	mg/L	0.05292	0.05292		0.05	0	0	0.00561	0.00561	1	106%	90	110	0%	
Cadmium	A	mg/L	0.04888	0.04888		0.05	0	0	0.000025	0.001	1	98%	90	110	0%	
Calcium	A	mg/L	12.04	12.04		12.5	0	0	0.02092	0.02092	50	96%	90	110	0%	
Cerium	A	mg/L	0.05077	0.05077		0.05	0	0	0.000012	0.001	0.1	102%	90	110	0%	
Chromium	A	mg/L	0.04844	0.04844		0.05	0	0	0.00018	0.001	1	97%	90	110	0%	
Cobalt	A	mg/L	0.0476	0.0476		0.05	0	0	0.000042	0.001	1	95%	90	110	0%	
Copper	A	mg/L	0.05132	0.05132		0.05	0	0	0.00027	0.001	1	103%	90	110	0%	
Iron	A	mg/L	1.342	1.342		1.3	0	0	0.00119	0.00119	5	103%	90	110	0%	
Lanthanum	A	mg/L	0.05099	0.05099		0.05	0	0	0.000011	0.001	0.1	102%	90	110	0%	
Lead	A	mg/L	0.04992	0.04992		0.05	0	0	0.000056	0.001	1	100%	90	110	0%	
Magnesium	A	mg/L	13.38	13.38		12.5	0	0	0.00564	0.00564	50	107%	90	110	0%	
Manganese	A	mg/L	0.04927	0.04927		0.05	0	0	0.000095	0.001	1	99%	90	110	0%	
Mercury	A	mg/L	0.001008	0.001008		0.001	0	0	0.00016	0.001	0.002	101%	90	110	0%	
Molybdenum	A	mg/L	0.0463	0.0463		0.05	0	0	0.00005	0.001	0.1	93%	90	110	0%	
Nickel	A	mg/L	0.05207	0.05207		0.05	0	0	0.00063	0.001	1	104%	90	110	0%	
Potassium	A	mg/L	11.99	11.99		12.5	0	0	0.08139	0.08139	50	96%	90	110	0%	
Selenium	A	mg/L	0.0506	0.0506		0.05	0	0	0.00033	0.001	1	101%	90	110	0%	
Silicon	A	mg/L	0.2144	0.2144		0.2	0	0	0.01223	0.1	0.4	107%	90	110	0%	
Silver	A	mg/L	0.01907	0.01907		0.02	0	0	0.00002	0.001	0.04	95%	90	110	0%	
Sodium	A	mg/L	13.62	13.62		12.5	0	0	0.02171	0.02171	50	109%	90	110	0%	
Strontium	A	mg/L	0.04855	0.04855		0.05	0	0	0.00014	0.001	1	97%	90	110	0%	
Thallium	A	mg/L	0.04847	0.04847		0.05	0	0	0.000041	0.001	1	97%	90	110	0%	
Thorium	A	mg/L	0.04689	0.04689		0.05	0	0	0.00061	0.001	1	94%	90	110	0%	
Tin	A	mg/L	0.04978	0.04978		0.05	0	0	0.00132	0.00132	0.1	100%	90	110	0%	
Titanium	A	mg/L	0.0474	0.0474		0.05	0	0	0.000094	0.001	1	95%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035644	CCV	ICPMS-6020-W-	CCV		2/14/2022 5:39:4	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Uranium	A	mg/L	0.04921	0.04921		0.05	0	0	0.000052	0.0003	1	98%	90	110	0%	
Vanadium	A	mg/L	0.04766	0.04766		0.05	0	0	0.0013	0.0013	1	95%	90	110	0%	
Zinc	A	mg/L	0.05104	0.05104		0.05	0	0	0.00273	0.00273	1	102%	90	110	0%	
Iron, Ferrous	C	mg/L	1.342	1.342		0	0	0	0.00119	0.00119	5	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035645	CCB	ICPMS-6020-W-	CCB		2/14/2022 5:45:5	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aluminum	A	mg/L	-0.0005162	-0.0005162		0	0	0	0.00086	0.001	1	0%			0%	
Antimony	A	mg/L	0.00005863	0.00005863		0	0	0	0.00042	0.001	0.1	0%			0%	
Arsenic	A	mg/L	-0.0001227	-0.0001227		0	0	0	0.00019	0.001	1	0%			0%	
Barium	A	mg/L	-3.764E-06	-3.764E-06		0	0	0	0.000042	0.001	1	0%			0%	
Beryllium	A	mg/L	-6.629E-05	-6.629E-05		0	0	0	0.00012	0.001	1	0%			0%	
Boron	A	mg/L	0.0009095	0.0009095		0	0	0	0.00561	0.00561	1	0%			0%	
Cadmium	A	mg/L	8.155E-06	8.155E-06		0	0	0	0.000025	0.001	1	0%			0%	
Calcium	A	mg/L	0.00008003	0.00008003		0	0	0	0.02092	0.02092	50	0%			0%	
Cerium	A	mg/L	7.274E-08	7.274E-08		0	0	0	0.000012	0.001	0.1	0%	0	0	0%	
Chromium	A	mg/L	-1.014E-06	-1.014E-06		0	0	0	0.00018	0.001	1	0%			0%	
Cobalt	A	mg/L	-8.091E-07	-8.091E-07		0	0	0	0.000042	0.001	1	0%			0%	
Copper	A	mg/L	-1.751E-05	-1.751E-05		0	0	0	0.00027	0.001	1	0%			0%	
Iron	A	mg/L	0.0001024	0.0001024		0	0	0	0.00119	0.00119	5	0%			0%	
Lanthanum	A	mg/L	7.527E-08	7.527E-08		0	0	0	0.000011	0.001	0.1	0%	0	0	0%	
Lead	A	mg/L	6.187E-07	6.187E-07		0	0	0	0.000056	0.001	1	0%			0%	
Magnesium	A	mg/L	0.00098	0.00098		0	0	0	0.00564	0.00564	50	0%			0%	
Manganese	A	mg/L	-2.611E-06	-2.611E-06		0	0	0	0.000095	0.001	1	0%			0%	
Mercury	A	mg/L	-6.103E-07	-6.103E-07		0	0	0	0.00016	0.001	0.002	0%			0%	
Molybdenum	A	mg/L	0.00002753	0.00002753		0	0	0	0.00005	0.001	0.1	0%			0%	
Nickel	A	mg/L	1.172E-06	1.172E-06		0	0	0	0.00063	0.001	1	0%			0%	
Potassium	A	mg/L	-0.04037	-0.04037		0	0	0	0.08139	0.08139	50	0%			0%	
Selenium	A	mg/L	-1.845E-05	-1.845E-05		0	0	0	0.00033	0.001	1	0%			0%	
Silicon	A	mg/L	-0.0009173	-0.0009173		0	0	0	0.01223	0.1	0.4	0%	0	0	0%	
Silver	A	mg/L	-2.699E-06	-2.699E-06		0	0	0	0.00002	0.001	0.04	0%			0%	
Sodium	A	mg/L	0.02805	0.02805		0	0	0	0.02171	0.02171	50	0%			0%	
Strontium	A	mg/L	-3.367E-06	-3.367E-06		0	0	0	0.00014	0.001	1	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15035645	CCB	ICPMS-6020-W-	CCB		2/14/2022 5:45:5	1	R374695		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Thallium	A	mg/L	0.00007295	0.00007295		0	0	0	0.000041	0.001	1	0%	0	0	0%	
Thorium	A	mg/L	0.00002545	0.00002545		0	0	0	0.00061	0.001	1	0%	0	0	0%	
Tin	A	mg/L	-3.41E-06	-3.41E-06		0	0	0	0.00132	0.00132	0.1	0%	0	0	0%	
Titanium	A	mg/L	4.442E-06	4.442E-06		0	0	0	0.000094	0.001	1	0%	0	0	0%	
Uranium	A	mg/L	3.241E-06	3.241E-06		0	0	0	0.000052	0.0003	1	0%	0	0	0%	
Vanadium	A	mg/L	-0.0001202	-0.0001202		0	0	0	0.0013	0.0013	1	0%	0	0	0%	
Zinc	A	mg/L	-0.0002147	-0.0002147		0	0	0	0.00273	0.00273	1	0%	0	0	0%	
Iron, Ferrous	C	mg/L	0.0001024	0.0001024		0	0	0	0.00119	0.00119	5	0%	0	0	0%	

Batch Summary Report

Batch Folder: D:\Agilent\ICPMH\1\DATA\220214A.b\
Analysis File: 220214A.batch.bin
Tune Step: #1 No Gas
#2 H2
#3 He

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
1		2022-02-14 11:20:43	001BLKV.d	Rinse	BlkVrfy		1.0000
2		2022-02-14 11:26:57	002BLKV.d	Rinse	BlkVrfy		1.0000
3		2022-02-14 11:33:10	003BLKV.d	Rinse	BlkVrfy		1.0000
4		2022-02-14 11:39:23	004BLKV.d	Rinse	BlkVrfy		1.0000
5		2022-02-14 11:45:36	005BLKV.d	Rinse	BlkVrfy		1.0000
6		2022-02-14 11:51:49	006BLKV.d	Rinse	BlkVrfy		1.0000
7		2022-02-14 11:58:03	007BLKV.d	Rinse	BlkVrfy		1.0000
8		2022-02-14 12:04:17	008CALB.d	Cal Blk	CalBlk	1	1.0000
9		2022-02-14 12:11:15	009CALS.d	0.025 ppb STD	CalStd	2	1.0000
10		2022-02-14 12:17:54	010CALS.d	0.05 ppb STD	CalStd	3	1.0000
11		2022-02-14 12:24:33	011CALS.d	0.10 ppb STD	CalStd	4	1.0000
12		2022-02-14 12:31:12	012CALS.d	0.5 ppb STD	CalStd	5	1.0000
13		2022-02-14 12:37:51	013CALS.d	1 ppb STD	CalStd	6	1.0000
14		2022-02-14 12:44:29	014CALS.d	10 ppb STD	CalStd	7	1.0000
15		2022-02-14 12:51:06	015CALS.d	50 ppb STD	CalStd	8	1.0000
16		2022-02-14 12:58:15	016CALS.d	100 ppb STD	CalStd	9	1.0000
17		2022-02-14 13:04:46	017CALS.d	1000 ppb STD	CalStd	10	1.0000
18		2022-02-14 13:11:14	018CALS.d	100 ppb Br STD	CalStd	11	1.0000
19		2022-02-14 13:17:36	019BLKV.d	Rinse	BlkVrfy		1.0000
20		2022-02-14 13:23:51	020_QC1.d	QCS	QC1		1.0000
21		2022-02-14 13:30:05	021_CCV.d	CCV	CCV		1.0000
22		2022-02-14 13:36:20	022_CCB.d	CCB	CCB		1.0000
23		2022-02-14 13:42:34	023BLKV.d	Rinse	BlkVrfy		1.0000
24		2022-02-14 13:48:49	024MBLK.d	LRB	MBLK		1.0000
25		2022-02-14 13:55:04	025_LFB.d	LFB	LFB		1.0300

	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
26		2022-02-14 14:01:20	026ICSA.d	ICSA	ICSA		1.0000
27		2022-02-14 14:07:36	027ICSB.d	ICSAB	ICSAB		1.0000
28		2022-02-14 14:13:54	028BLKV.d	Rinse	BlkVrfy		1.0000
29		2022-02-14 14:20:07	029BLKV.d	Rinse	BlkVrfy		1.0000
30		2022-02-14 14:26:21	030_CCV.d	CCV	CCV		1.0000
31		2022-02-14 14:32:36	031_CCB.d	CCB	CCB		1.0000
32		2022-02-14 14:38:50	032ARef.d	MB-163617	AllRef		1.0000
33		2022-02-14 14:45:04	033LCS4.d	LCS4-163617	LCS4		1.0000
34		2022-02-14 14:51:17	034SMPL.d	B22020415-001A	Sample		1.0000
35		2022-02-14 14:57:31	035ARef.d	B22020415-001ADIL	AllRef		5.0000
36		2022-02-14 15:03:44	036MS.d	B22020415-001AMS	MS		1.0300
37		2022-02-14 15:09:58	037MSD.d	B22020415-001AMSD	MSD		1.0300
38		2022-02-14 15:16:13	038BLKV.d	Rinse	BlkVrfy		1.0000
39		2022-02-14 15:22:26	039SMPL.d	B22020415-001B	Sample		1.0000
40		2022-02-14 15:28:40	040SMPL.d	B22020415-001BDIL	Sample		5.0000
41		2022-02-14 15:34:53	041ARef.d	B22020415-001BPDS1	AllRef		1.0300
42		2022-02-14 15:41:08	042MS4.d	B22020415-001BMS4	MS4		1.0000
43		2022-02-14 15:47:22	043_CCV.d	CCV	CCV		1.0000
44		2022-02-14 15:53:37	044_CCB.d	CCB	CCB		1.0000
45		2022-02-14 15:59:51	045MSD4.d	B22020415-001BMSD4	MSD4		1.0000
46		2022-02-14 16:06:05	046BLKV.d	Rinse	BlkVrfy		1.0000
47		2022-02-14 16:12:19	047SMPL.d	B22020415-006A	Sample		1.0000
48		2022-02-14 16:18:33	048SMPL.d	B22020415-006B	Sample		1.0000
49		2022-02-14 16:24:47	049SMPL.d	B22020415-011A	Sample		1.0000
50		2022-02-14 16:31:03	050SMPL.d	B22020415-011B	Sample		1.0000
51		2022-02-14 16:37:18	051SMPL.d	B22020415-017A	Sample		1.0000
52		2022-02-14 16:43:32	052SMPL.d	B22020415-017B	Sample		1.0000
53		2022-02-14 16:49:47	053SMPL.d	B22020415-022A	Sample		1.0000
54		2022-02-14 16:56:00	054SMPL.d	B22020415-022B	Sample		1.0000
55		2022-02-14 17:02:13	055SMPL.d	B22020415-027A	Sample		1.0000
56		2022-02-14 17:08:29	056_CCV.d	CCV	CCV		1.0000
57		2022-02-14 17:14:43	057_CCB.d	CCB	CCB		1.0000

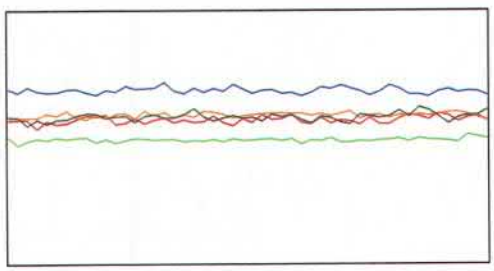
	Rjct	Acq. Date-Time	Data File	Sample Name	Type	Level	Dilution
58		2022-02-14 17:20:57	058SMPL.d	B22020415-027B	Sample		1.0000
59		2022-02-14 17:27:11	059SMPL.d	B22020415-032A	Sample		1.0000
60		2022-02-14 17:33:27	060SMPL.d	B22020415-032B	Sample		1.0000
61		2022-02-14 17:39:41	061_CCV.d	CCV	CCV		1.0000
62		2022-02-14 17:45:56	062_CCB.d	CCB	CCB		1.0000

Tune Report

Operator Name	elim
Acq/Data Batch	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq. Date-Time	2022-02-14 11:04:16
Report Comment	ICPMS207-B JPV
Instrument Name	G8403A JP17281923

[No Gas]

Sensitivity



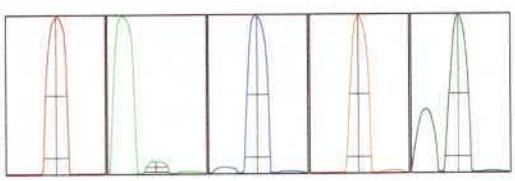
Mass	Range	Count	RSD%	Background
9	500000	284962	2.441	4.000
24	100000	49016	1.526	3.100
59	100000	68736	1.845	1.600
115	100000	59013	1.648	2.800
208	50000	29056	2.715	7.600

Sampling Period [sec]	0.514
Integration Time [sec]	0.1

Oxide/Doubly Charged Ratio

Oxide	156 / 140 0.935 %
Doubly Charged	70 / 140 0.979 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
9	288860.92	9.05	0.64	0.769
24	48884.04	24.00	0.66	0.773
59	67121.68	59.00	0.64	0.771
115	59237.27	115.00	0.58	0.744
208	29527.24	207.95	0.60	0.784

Integration Time [sec]	0.1
Acquisition Time [sec]	37.4
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	---	Nebulizer Gas	0.80 L/min	Dilution Gas	0.12 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.00 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

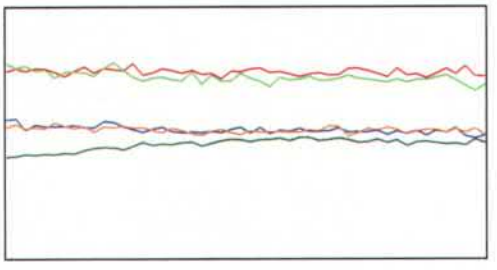
Extract 1	0.0 V	Omega Lens	9.6 V	Deflect	15.0 V
Extract 2	-250.0 V	Cell Entrance	-30 V	Plate Bias	-35 V

Tune Report

Omega Bias	-75 V	Cell Exit	-50 V		
Cell Parameters					
Use Gas	No	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-8.0 V		
H2 Flow	0.0 mL/min	OctP RF	170 V		
QP Parameters					
Mass Gain	124	Axis Gain	0.9986	QP Bias	-3.0 V
Mass Offset	126	Axis Offset	0.15		
Hardware Settings					
Torch					
Torch H	-1.0 mm	Torch V	-0.7 mm		
EM					
Discriminator	5.0 mV	Analog HV	2324 V	Pulse HV	1751 V

[H2]

Sensitivity



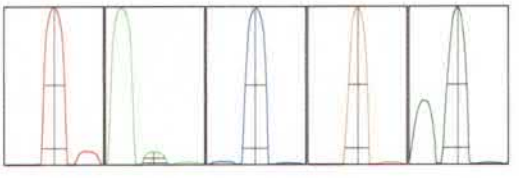
Mass	Range	Count	RSD%	Background
9	50000	37340	1.799	0.100
24	20000	14492	3.215	0.700
59	50000	25728	3.193	0.100
115	100000	51500	2.367	0.200
208	50000	22768	4.813	0.400

Sampling Period [sec] 0.514
Integration Time [sec] 0.1

Oxide/Doubly Charged Ratio

Oxide ---
Doubly Charged 70 / 140 0.796 %

Resolution/Axis



Mass	Peak Height	Axis	W-50%	W-10%
9	35008.52	9.05	0.62	0.758
24	13499.31	24.00	0.65	0.764
59	24700.72	59.00	0.63	0.767
115	51355.22	115.05	0.57	0.737
208	23084.78	208.00	0.61	0.784

Integration Time [sec] 0.1
Acquisition Time [sec] 37.4
Y Axis Linear

Tune Parameters

Plasma Parameters

Tune Report

Plasma Mode	---	Nebulizer Gas	0.80 L/min	Dilution Gas	0.12 L/min
RF Power	1600 W	Option Gas	---	Auxiliary Gas	0.90 L/min
RF Matching	1.00 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	9.4 V	Deflect	3.6 V
Extract 2	-230.0 V	Cell Entrance	-30 V	Plate Bias	-80 V
Omega Bias	-95 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	---	Energy Discrimination	5.0 V
He Flow	0.0 mL/min	OctP Bias	-18.0 V		
H2 Flow	3.8 mL/min	OctP RF	190 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9986	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	0.15		

Hardware Settings

Torch

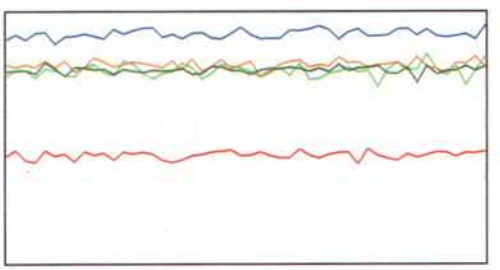
Torch H	-1.0 mm	Torch V	-0.7 mm

EM

Discriminator	5.0 mV	Analog HV	2324 V	Pulse HV	1751 V

[He]

Sensitivity



Mass	Range	Count	RSD%	Background
9	5000	2156	3.418	1.400
24	2000	1530	3.354	0.500
59	20000	18281	1.904	0.400
115	20000	15816	2.157	0.400
208	20000	15364	1.794	0.700

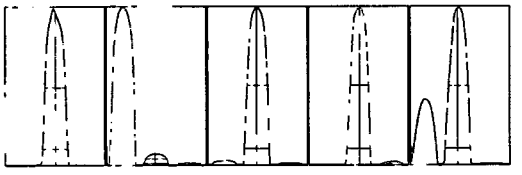
Sampling Period [sec] 0.514
Integration Time [sec] 0.1

Oxide/Doubly Charged Ratio

Oxide	---
Doubly Charged	70 / 140 0.828 %

Resolution/Axis

Tune Report



Mass	Peak Height	Axis	W-50%	W-10%
9	2153.60	9.05	0.62	0.757
24	1523.07	24.00	0.65	0.750
59	18332.00	59.00	0.62	0.763
115	15877.58	115.05	0.56	0.717
208	15154.16	207.95	0.59	0.765

Integration Time [sec]	0.1
Acquisition Time [sec]	37.4
Y Axis	Linear

Tune Parameters

Plasma Parameters

Plasma Mode	—	Nebulizer Gas	0.80 L/min	Dilution Gas	0.12 L/min
RF Power	1600 W	Option Gas	—	Auxiliary Gas	0.90 L/min
RF Matching	1.00 V	Nebulizer Pump	0.10 rps	Plasma Gas	15.0 L/min
Sample Depth	8.0 mm	S/C Temp	2 °C		

Lens Parameters

Extract 1	0.0 V	Omega Lens	10.3 V	Deflect	0.6 V
Extract 2	-230.0 V	Cell Entrance	-30 V	Plate Bias	-80 V
Omega Bias	-70 V	Cell Exit	-50 V		

Cell Parameters

Use Gas	Yes	3rd Gas Flow	—	Energy Discrimination	5.0 V
He Flow	4.0 mL/min	OctP Bias	-18.0 V		
H2 Flow	0.0 mL/min	OctP RF	200 V		

QP Parameters

Mass Gain	124	Axis Gain	0.9986	QP Bias	-13.0 V
Mass Offset	126	Axis Offset	0.15		

Hardware Settings

Torch

Torch H	-1.0 mm	Torch V	-0.7 mm		

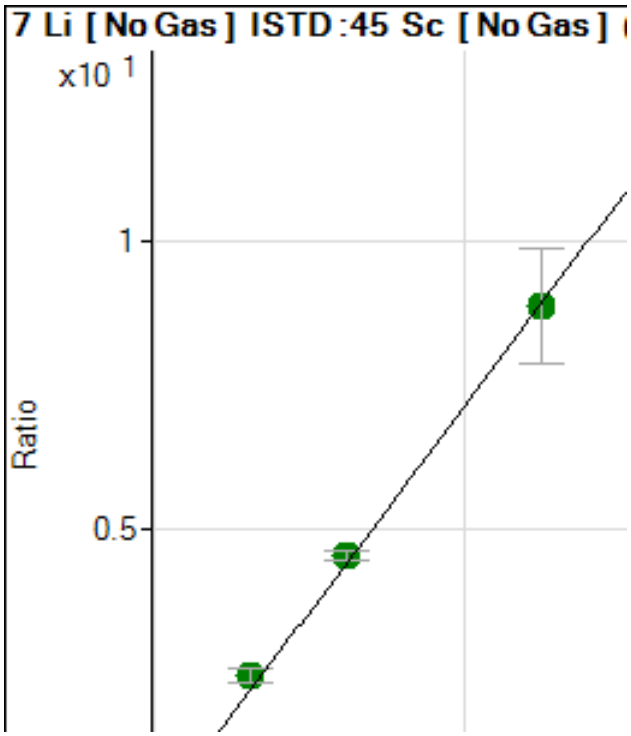
EM

Discriminator	5.0 mV	Analog HV	2324 V	Pulse HV	1751 V

Calibration for 020_QC1.d

Batch Folder: D:\Agilent\ICPMH\1\DATA\220214A.b\
Analysis File: 220214A.batch.bin
DA Date-Time: 2022-02-14 13:26:48
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

Level	Standard Data File	Sample Name	Acq. Date-Time
1	008CALB.d	Cal Blk	2022-02-14 12:04:17
2	009CALS.d	0.025 ppb STD	2022-02-14 12:11:15
3	010CALS.d	0.05 ppb STD	2022-02-14 12:17:54
4	011CALS.d	0.10 ppb STD	2022-02-14 12:24:33
5	012CALS.d	0.5 ppb STD	2022-02-14 12:31:12
6	013CALS.d	1 ppb STD	2022-02-14 12:37:51
7	014CALS.d	10 ppb STD	2022-02-14 12:44:29
8	015CALS.d	50 ppb STD	2022-02-14 12:51:06
9	016CALS.d	100 ppb STD	2022-02-14 12:58:15
10	017CALS.d	1000 ppb STD	2022-02-14 13:04:46
11	018CALS.d	100 ppb Br STD	2022-02-14 13:11:14



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11494.94	0.003		0.	
2	☐	0.313	0.336	15281.79	0.004		10	7.5
3	☐	0.625	0.603	20115.99	0.005		3.	-3.5
4	☐	1.250	1.233	28980.42	0.007		2.	-1.4
5	☐	6.250	6.791	98538.25	0.027		10	8.7
6	☐	12.500	13.912	189820.1	0.052		6.	11.3
7	☐	125.00	138.05	1783391.	0.495		6.	10.4
8	☐	625.00	684.30	9002617.	2.446		9.	9.5
9	☐	1250.0	1266.5	17343227	4.525		3.	1.3
10	☐	2500.0	2476.2	33884178	8.844		22	-1.0
11	☐			43191.53	0.010		2.	

y = 0.0036 * x + 0.0030

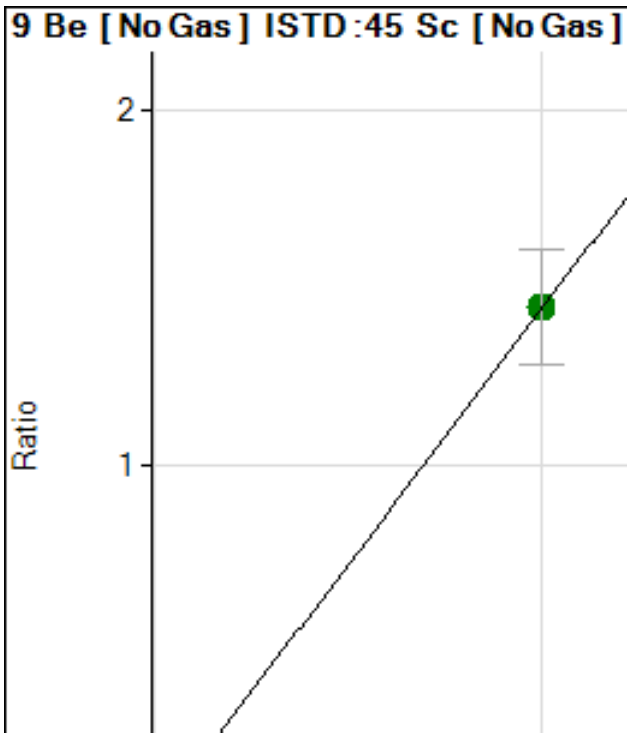
R = 0.9997

DL = 0.02188 ug/l

BEC = 0.8346 ug/l

Weight: 1/y

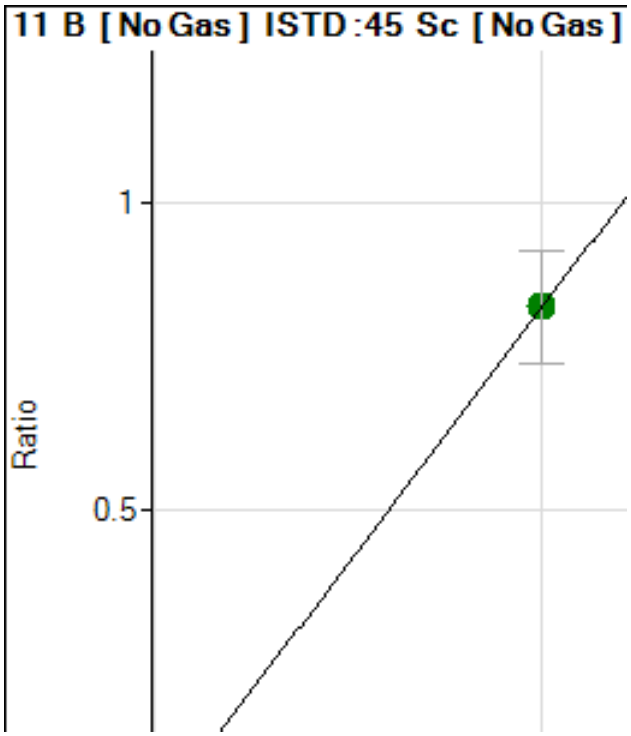
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	555.23	0.000		4.	
2	☐	0.025	0.029	677.88	0.000		8.	14.2
3	☐	0.050	0.039	782.53	0.000		3.	-22.9
4	☐	0.100	0.086	1055.49	0.000		1.	-13.6
5	☐	0.500	0.501	3132.03	0.000		13	0.2
6	☐	1.000	1.043	5947.98	0.001		8.	4.3
7	☐	10.000	10.689	56045.87	0.015		5.	6.9
8	☐	50.000	53.282	283835.2	0.077		9.	6.6
9	☐	100.00	100.42	556591.6	0.145		3.	0.4
10	☐	1000.0	999.78	5532769.	1.444		22	0.0
11	☐			585.23	0.000		3.	

y = 0.0014 * x + 1.4396E-004

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1151.84	0.000		4.	
2	☐			1085.15	0.000		3.	
3	☐	0.050	-0.015	1120.49	0.000		2.	-130.
4	☐	0.100	0.018	1230.55	0.000		3.	-82.5
5	☐	0.500	0.458	2459.86	0.000		8.	-8.4
6	☐	1.000	0.986	4033.50	0.001		4.	-1.4
7	☐	10.000	10.725	33119.35	0.009		5.	7.3
8	☐	50.000	56.387	173462.4	0.047		9.	12.8
9	☐	100.00	99.451	317697.6	0.082		4.	-0.5
10	☐	1000.0	999.72	3183430.	0.830		22	0.0
11	☐			18576.79	0.004		2.	

y = 8.3053E-004 * x + 2.9867E-004

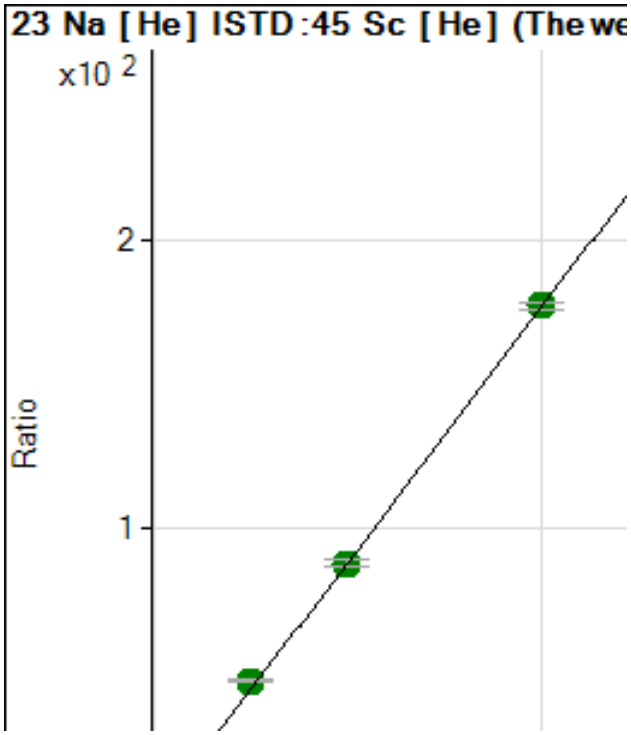
R = 1.0000

DL = 0.04895 ug/l

BEC = 0.3596 ug/l

Weight: 1/y

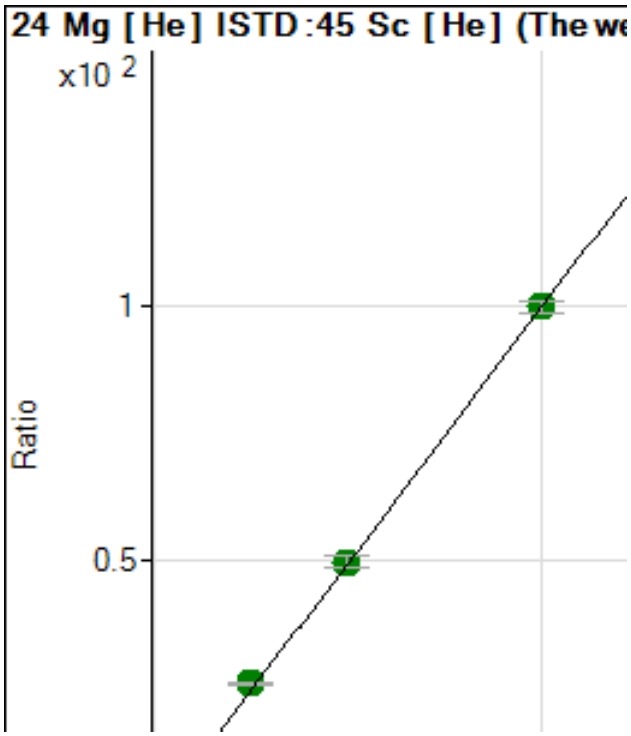
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	40797.30	0.154		1.	
2	☐	6.250	7.763	47522.44	0.181		0.	24.2
3	☐	12.500	15.659	54890.72	0.209		0.	25.3
4	☐	25.000	28.789	67000.54	0.256		1.	15.2
5	☐	125.00	131.83	162531.2	0.621		0.	5.5
6	☐	250.00	263.29	287291.5	1.086		0.	5.3
7	☐	2500.0	2609.3	2463572.	9.393		0.	4.4
8	☐	12500.	13182.	12463575	46.83		1.	5.5
9	☐	25000.	24737.	23714329	87.74		3.	-1.1
10	☐	50000.	49955.	47619395	177.0		1.	-0.1
11	☐			47075.43	0.178		0.	

y = 0.0035 * x + 0.1544

R = 0.9999



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1201.01	0.004		2.	
2	☐	6.250	6.740	4704.75	0.018		3.	7.8
3	☐	12.500	14.289	8652.01	0.033		1.	14.3
4	☐	25.000	28.693	16166.64	0.061		1.	14.8
5	☐	125.00	132.48	70411.02	0.269		1.	6.0
6	☐	250.00	264.76	140979.7	0.533		1.	5.9
7	☐	2500.0	2602.6	1364310.	5.202		1.	4.1
8	☐	12500.	13074.	6950590.	26.11		1.	4.6
9	☐	25000.	24885.	13427706	49.70		4.	-0.5
10	☐	50000.	49908.	26809096	99.67		2.	-0.2
11	☐			1324.10	0.005		7.	

y = 0.0020 * x + 0.0045

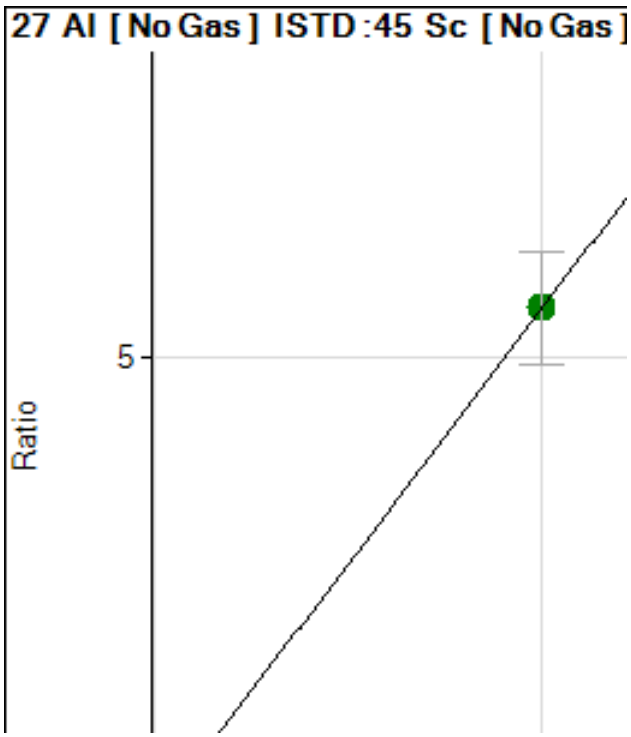
R = 0.9999

DL = 0.1823 ug/l

BEC = 2.276 ug/l

Weight: 1/y

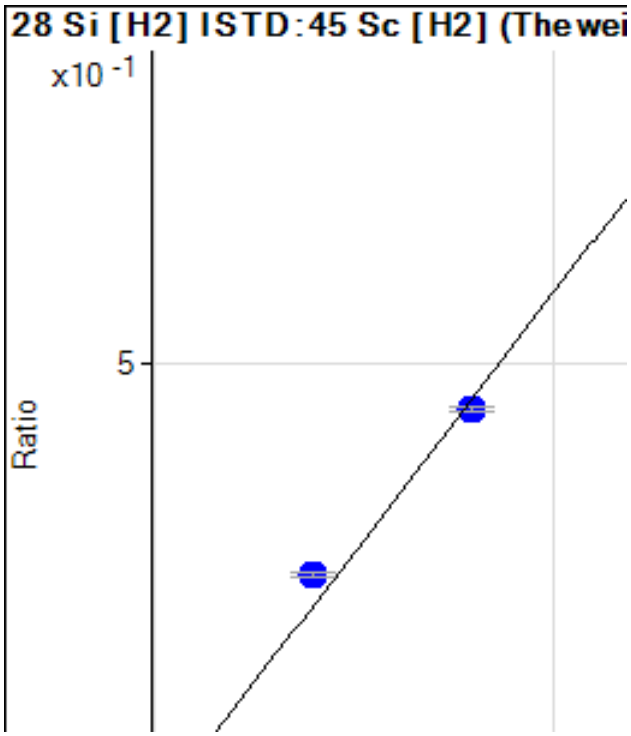
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	17709.40	0.004		0.	
2	☐			22133.03	0.006		9.	
3	☐	0.050	0.373	26076.01	0.006		2.	646.
4	☐	0.100	0.137	21000.27	0.005		0.	36.9
5	☐	0.500	0.718	30935.19	0.008		11	43.6
6	☐	1.000	1.288	42175.87	0.011		8.	28.8
7	☐	10.000	11.394	242855.2	0.067		6.	13.9
8	☐	50.000	54.815	1131395.	0.307		10	9.6
9	☐	100.00	102.43	2186726.	0.570		3.	2.4
10	☐	1000.0	999.50	21180765	5.526		22	0.0
11	☐			17581.46	0.004		1.	

y = 0.0055 * x + 0.0046

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	15615.74	0.007		2.	
2	☐			14331.94	0.006		0.	
3	☐	0.200	-0.352	13822.58	0.006		0.	-276.
4	☐	0.400	-0.389	13737.14	0.006		3.	-197.
5	☐	2.000	1.474	17670.14	0.008		0.	-26.3
6	☐	4.000	4.339	23905.36	0.011		6.	8.5
7	☐	40.000	38.959	101599.2	0.051		1.	-2.6
8	☐	200.00	227.15	512045.5	0.266		1.	13.6
9	☐	400.00	386.52	837848.3	0.449		1.	-3.4
10	☐			13640.32	0.007		1.	
11	☐			11730.64	0.006		0.	

y = 0.0011 * x + 0.0070

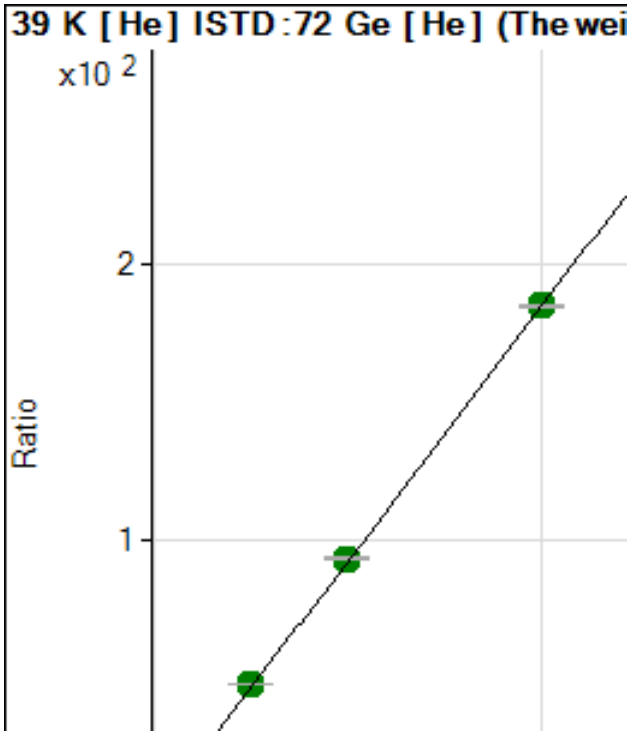
R = 0.9970

DL = 0.445 ug/l

BEC = 6.089 ug/l

Weight: 1/y

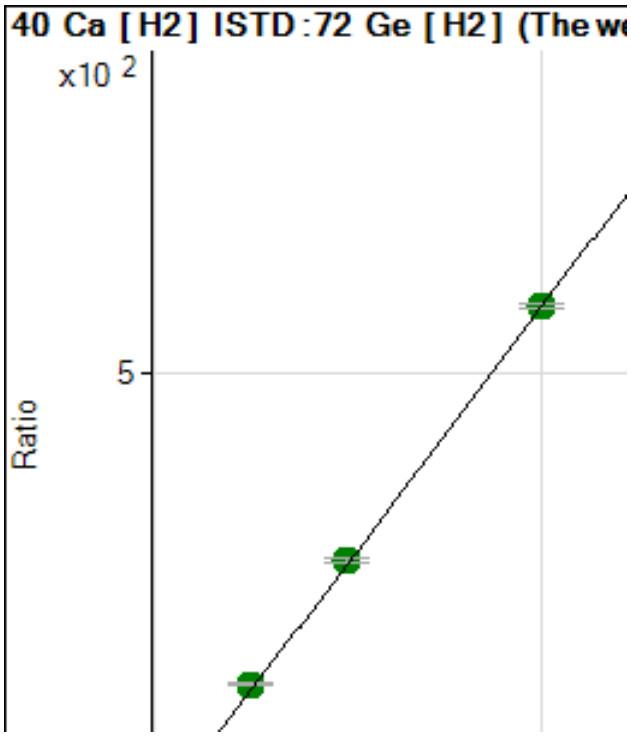
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	137300.5	0.869		1.	
2	☐	6.250	9.419	140195.2	0.904		0.	50.7
3	☐	12.500	17.582	144058.2	0.934		3.	40.7
4	☐	25.000	30.103	151899.5	0.980		1.	20.4
5	☐	125.00	128.15	207737.2	1.341		1.	2.5
6	☐	250.00	259.72	284367.6	1.826		1.	3.9
7	☐	2500.0	2503.5	1564873.	10.09		0.	0.1
8	☐	12500.	12724.	7534975.	47.74		0.	1.8
9	☐	25000.	25070.	14806361	93.22		1.	0.3
10	☐	50000.	49908.	29257935	184.7		0.	-0.2
11	☐			509276.5	3.245		0.	

y = 0.0037 * x + 0.8695

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	161076.2	0.228		3.	
2	☐	6.250	9.215	230255.8	0.334		2.	47.4
3	☐	12.500	19.182	307305.6	0.449		1.	53.5
4	☐	25.000	32.334	411831.7	0.601		1.	29.3
5	☐	125.00	137.48	1228516.	1.814		2.	10.0
6	☐	250.00	274.71	2273402.	3.398		3.	9.9
7	☐	2500.0	2691.8	20768975	31.28		3.	7.7
8	☐	12500.	12995.	10023505	150.1		3.	4.0
9	☐	25000.	25024.	18882876	288.9		2.	0.1
10	☐	50000.	49854.	36597858	575.4		1.	-0.3
11	☐			193750.8	0.293		1.	

y = 0.0115 * x + 0.2284

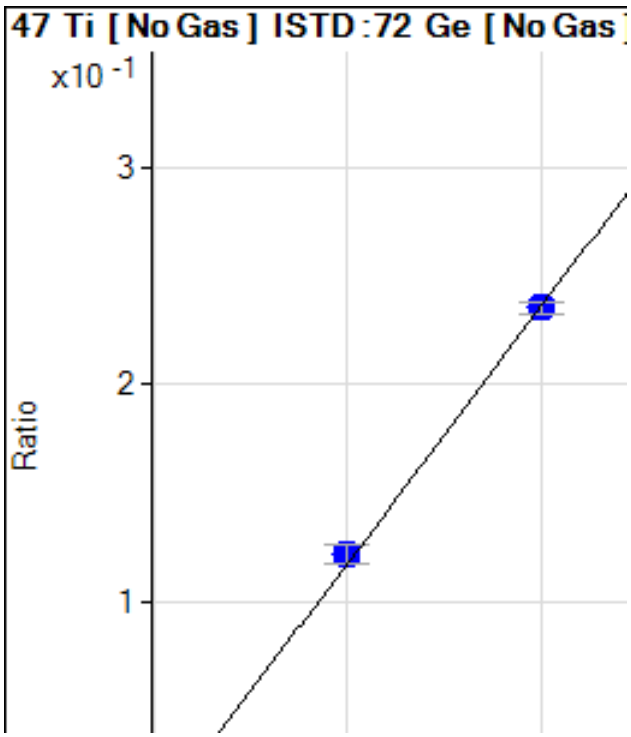
R = 0.9999

DL = 1.76 ug/l

BEC = 19.8 ug/l

Weight: 1/y

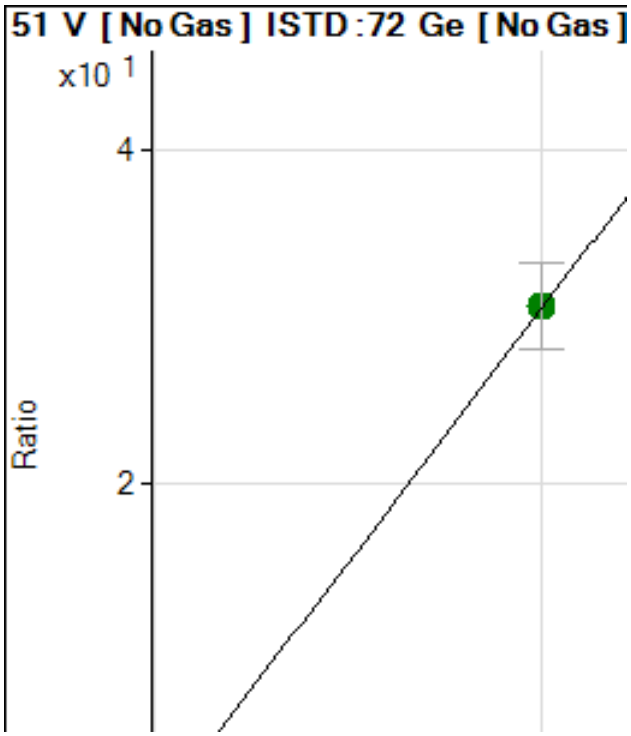
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	395.40	0.000		11	
2	☐	0.025	0.061	505.52	0.000		6.	144.
3	☐	0.050	0.080	567.25	0.000		5.	60.7
4	☐	0.100	0.143	712.41	0.000		2.	43.5
5	☐	0.500	0.515	1456.54	0.001		1.	3.0
6	☐	1.000	1.127	2768.05	0.003		5.	12.7
7	☐	10.000	10.490	22782.22	0.025		2.	4.9
8	☐	50.000	51.223	111837.3	0.121		6.	2.4
9	☐	100.00	99.338	220732.1	0.235		2.	-0.7
10	☐			16001.45	0.017		15	
11	☐			590.61	0.000		16	

y = 0.0024 * x + 4.1550E-004

R = 0.9999



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	15055.51	0.015		45	
2	☐	0.025	-3.504	-81003.85	-0.09		-5	-141
3	☐	0.050	-2.403	-54805.10	-0.05		-1	-490
4	☐	0.100	-1.919	-40982.47	-0.04		-1	-201
5	☐	0.500	-3.376	-76276.31	-0.08		-9	-775.
6	☐	1.000	-4.179	-100281.0	-0.11		-4	-517.
7	☐	10.000	4.989	151310.0	0.167		17	-50.1
8	☐	50.000	43.218	1229815.	1.335		7.	-13.6
9	☐	100.00	86.954	2508194.	2.670		3.	-13.0
10	☐	1000.0	1001.7	27535665	30.60		17	0.2
11	☐			-35592.19	-0.03		-8	

y = 0.0305 * x + 0.0154

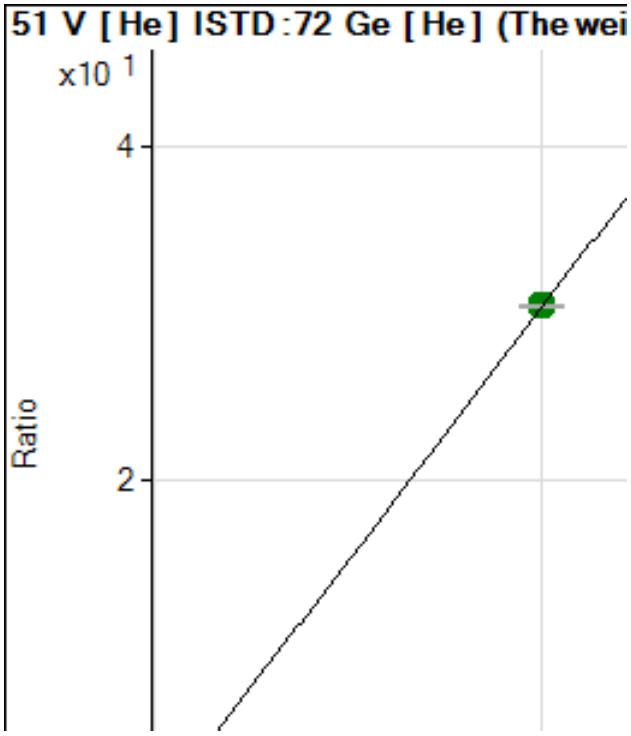
R = 0.9999

DL = 6.831 ug/l

BEC = 0.5034 ug/l

Weight: 1/y

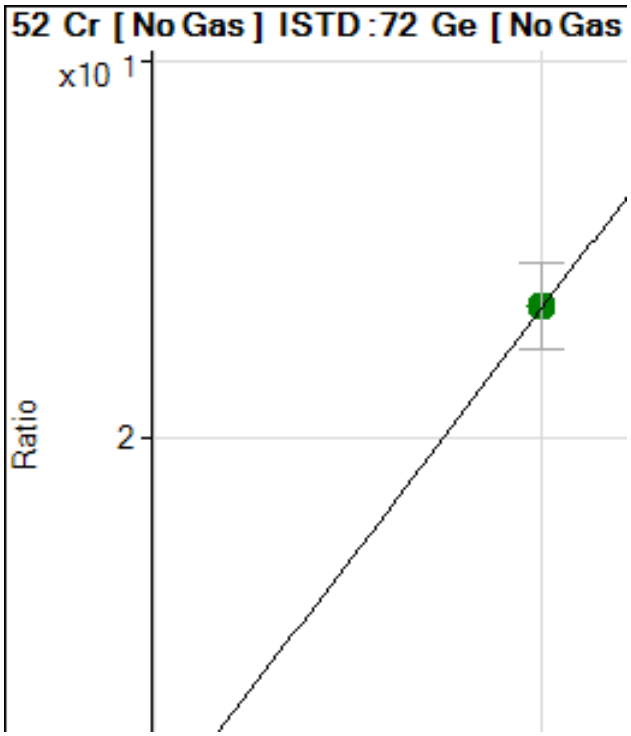
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	37592.29	0.238		1.	
2	☐	0.025	0.136	37547.73	0.242		1.	445.
3	☐	0.050	0.085	37105.53	0.240		2.	69.7
4	☐	0.100	0.091	37309.33	0.240		0.	-8.9
5	☐	0.500	0.344	38471.15	0.248		1.	-31.2
6	☐	1.000	0.765	40667.07	0.261		1.	-23.5
7	☐	10.000	8.048	74628.96	0.481		0.	-19.5
8	☐	50.000	46.902	261302.5	1.655		0.	-6.2
9	☐	100.00	92.841	483477.0	3.044		1.	-7.2
10	☐	1000.0	1000.8	4829191.	30.48		0.	0.1
11	☐			18378.18	0.117		2.	

y = 0.0302 * x + 0.2381

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	124562.5	0.130		3.	
2	☐	0.025	0.309	125464.2	0.139		6.	1134
3	☐	0.050	0.002	122574.0	0.130		1.	-96.7
4	☐	0.100	0.008	123737.3	0.131		2.	-91.9
5	☐	0.500	0.580	130299.9	0.146		5.	15.9
6	☐	1.000	1.145	145243.0	0.161		7.	14.5
7	☐	10.000	9.890	358070.9	0.396		2.	-1.1
8	☐	50.000	49.010	1332009.	1.445		5.	-2.0
9	☐	100.00	94.194	2494124.	2.657		4.	-5.8
10	☐	1000.0	1000.6	24262327	26.97		17	0.1
11	☐			91638.21	0.096		3.	

y = 0.0268 * x + 0.1308

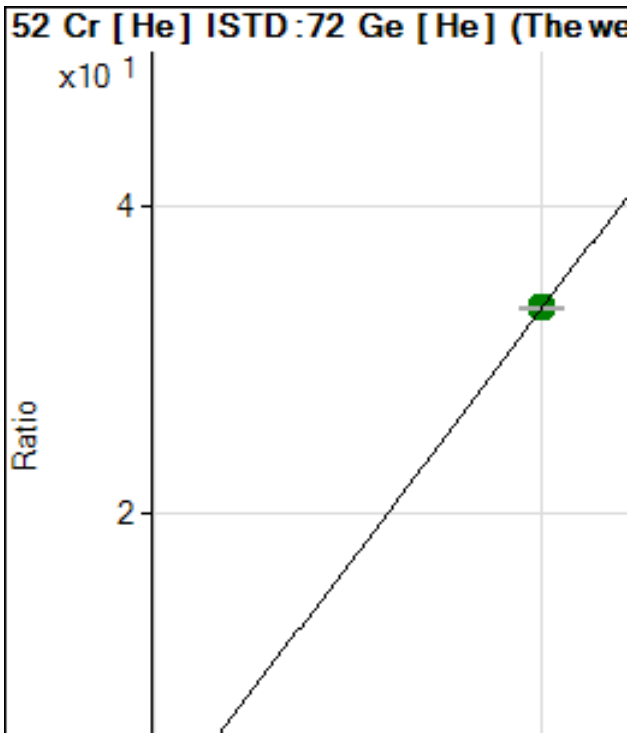
R = 1.0000

DL = 0.4632 ug/l

BEC = 4.876 ug/l

Weight: 1/y

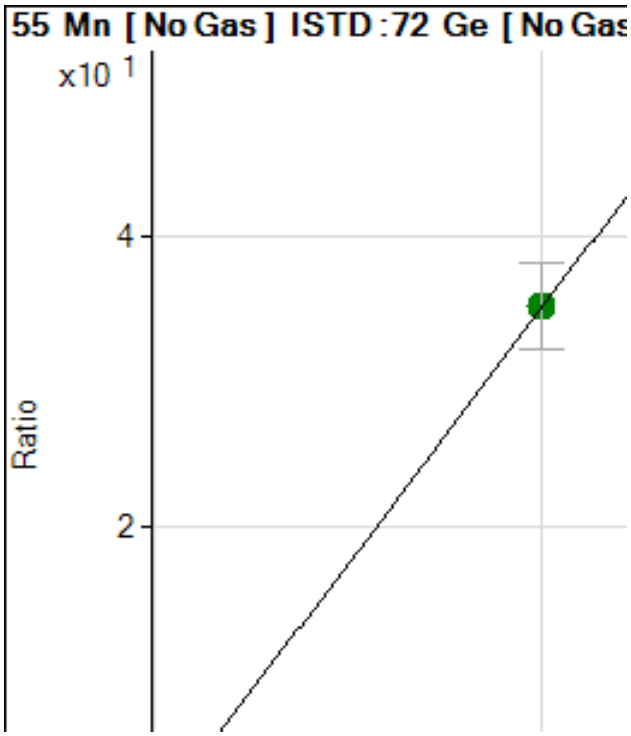
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1705.67	0.010		5.	
2	☐	0.025	0.048	1922.36	0.012		4.	91.5
3	☐	0.050	0.087	2114.61	0.013		4.	74.3
4	☐	0.100	0.141	2399.10	0.015		3.	40.6
5	☐	0.500	0.495	4226.18	0.027		4.	-1.1
6	☐	1.000	1.071	7245.16	0.046		1.	7.1
7	☐	10.000	9.991	53350.71	0.344		2.	-0.1
8	☐	50.000	51.035	270392.9	1.713		0.	2.1
9	☐	100.00	97.074	516002.1	3.249		2.	-2.9
10	☐	1000.0	1000.2	5286634.	33.37		0.	0.0
11	☐			1709.00	0.010		5.	

y = 0.0334 * x + 0.0108

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	12044.37	0.012		5.	
2	☐	0.025	0.061	13339.62	0.014		6.	143.
3	☐	0.050	0.066	14015.57	0.015		1.	31.5
4	☐	0.100	0.112	15660.64	0.016		3.	11.8
5	☐	0.500	0.547	28354.45	0.031		8.	9.4
6	☐	1.000	1.049	44579.06	0.049		6.	4.9
7	☐	10.000	10.456	343908.6	0.380		1.	4.6
8	☐	50.000	50.832	1659798.	1.800		4.	1.7
9	☐	100.00	98.530	3264888.	3.478		4.	-1.5
10	☐	1000.0	1000.1	31657828	35.18		16	0.0
11	☐			18001.94	0.019		1.	

y = 0.0352 * x + 0.0126

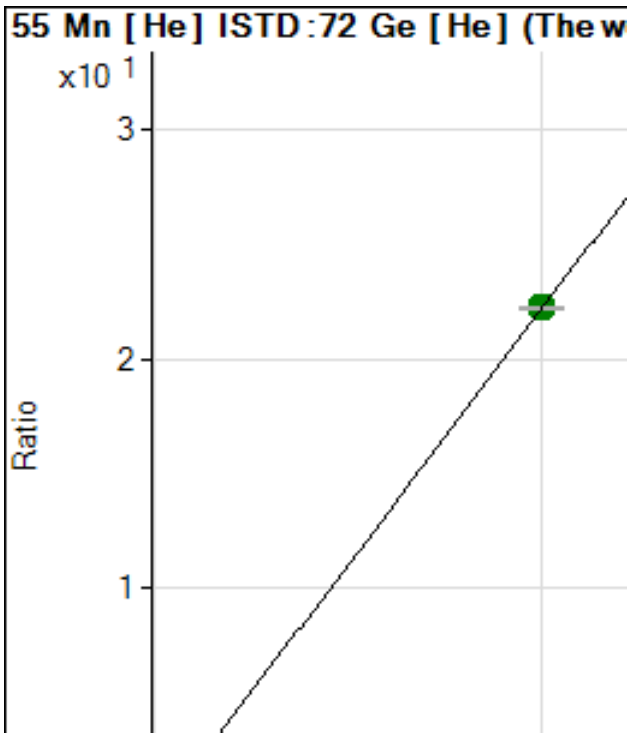
R = 1.0000

DL = 0.06139 ug/l

BEC = 0.3596 ug/l

Weight: 1/y

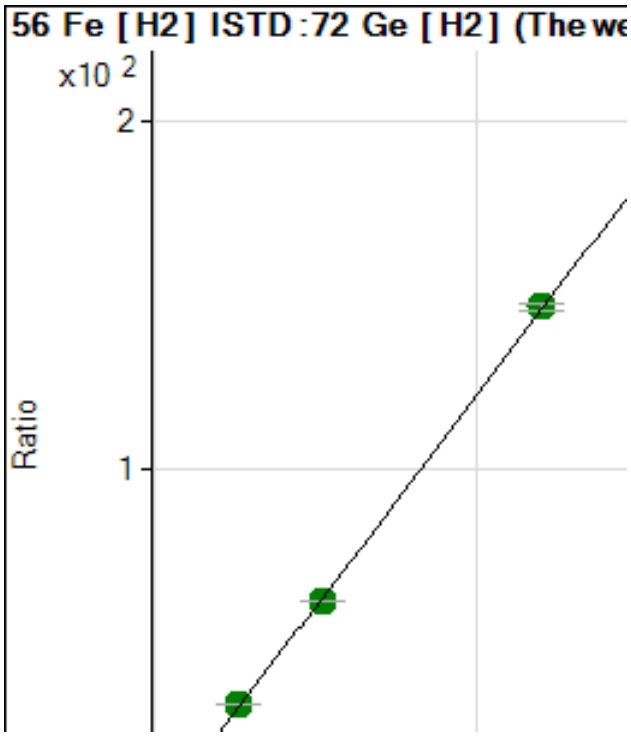
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	170.63	0.001		10	
2	☐	0.025	0.031	274.95	0.001		6.	24.6
3	☐	0.050	0.063	383.26	0.002		1.	26.1
4	☐	0.100	0.116	568.90	0.003		4.	16.5
5	☐	0.500	0.528	1986.41	0.012		3.	5.6
6	☐	1.000	1.025	3719.40	0.023		1.	2.5
7	☐	10.000	10.347	35858.67	0.231		0.	3.5
8	☐	50.000	51.881	182301.8	1.155		0.	3.8
9	☐	100.00	100.43	354989.4	2.235		1.	0.4
10	☐	1000.0	999.85	3522797.	22.24		0.	0.0
11	☐			226.96	0.001		5.	

y = 0.0222 * x + 0.0011

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	9819.83	0.013		2.	
2	☐	0.650	0.791	22864.06	0.033		1.	21.7
3	☐	1.300	1.506	34623.73	0.050		1.	15.8
4	☐	2.600	2.885	57728.91	0.084		2.	10.9
5	☐	13.000	12.928	222970.1	0.329		1.	-0.6
6	☐	26.000	26.712	445405.8	0.665		1.	2.7
7	☐	260.00	267.86	4347633.	6.550		1.	3.0
8	☐	1300.0	1327.2	21625388	32.40		1.	2.1
9	☐	2600.0	2548.3	40635466	62.20		0.	-2.0
10	☐	6000.0	6016.1	93387917	146.8		1.	0.3
11	☐			11359.17	0.017		1.	

y = 0.0244 * x + 0.0139

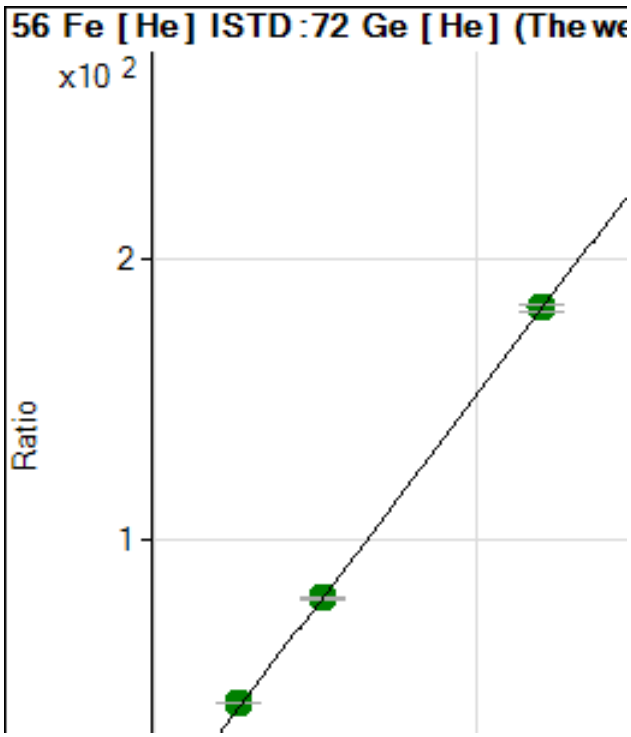
R = 0.9999

DL = 0.04916 ug/l

BEC = 0.5706 ug/l

Weight: 1/y

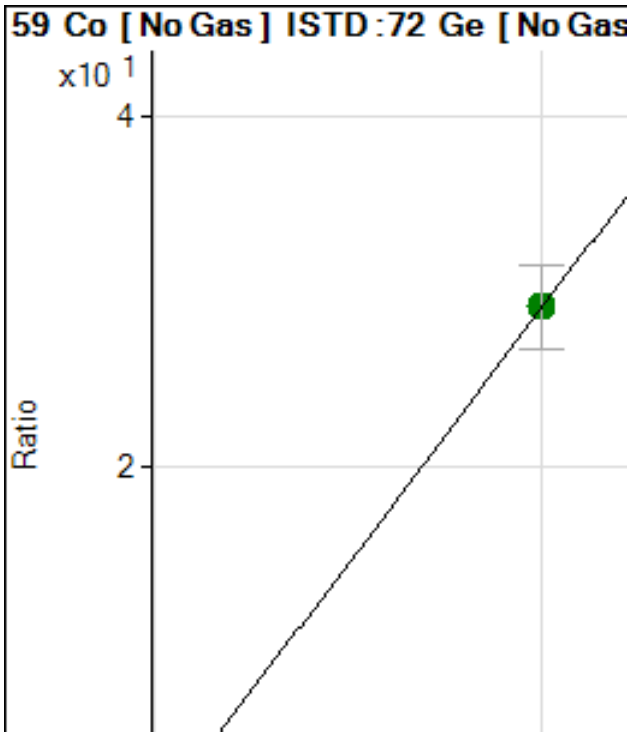
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7389.32	0.046		2.	
2	☐	0.650	0.752	10808.21	0.069		3.	15.7
3	☐	1.300	1.491	14217.87	0.092		4.	14.7
4	☐	2.600	2.928	21061.31	0.136		2.	12.6
5	☐	13.000	12.861	67894.21	0.438		1.	-1.1
6	☐	26.000	26.374	132349.5	0.850		2.	1.4
7	☐	260.00	262.97	1248937.	8.055		2.	1.1
8	☐	1300.0	1347.4	6484025.	41.08		0.	3.7
9	☐	2600.0	2590.3	12537433	78.93		1.	-0.4
10	☐	6000.0	5993.7	28921554	182.5		1.	-0.1
11	☐			8078.70	0.051		2.	

y = 0.0305 * x + 0.0468

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	445.79	0.000		21	
2	☐	0.025	0.032	1274.20	0.001		7.	29.7
3	☐	0.050	0.061	2099.35	0.002		5.	21.8
4	☐	0.100	0.114	3570.04	0.003		3.	13.7
5	☐	0.500	0.533	14245.40	0.016		6.	6.7
6	☐	1.000	1.063	28254.54	0.031		7.	6.3
7	☐	10.000	10.404	274428.1	0.303		1.	4.0
8	☐	50.000	52.680	1415068.	1.535		4.	5.4
9	☐	100.00	97.428	2664484.	2.838		4.	-2.6
10	☐	1000.0	1000.1	26221333	29.13		16	0.0
11	☐			605.48	0.000		23	

y = 0.0291 * x + 4.6714E-004

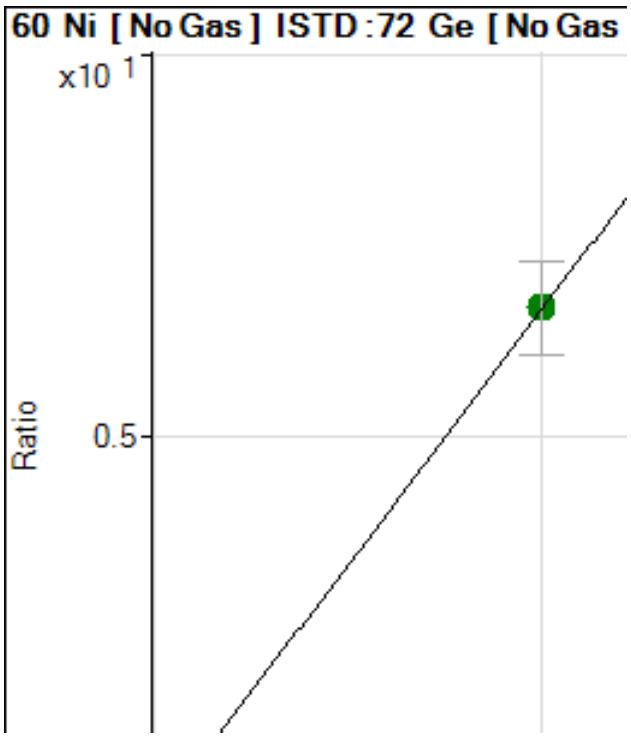
R = 1.0000

DL = 0.01043 ug/l

BEC = 0.01604 ug/l

Weight: 1/y

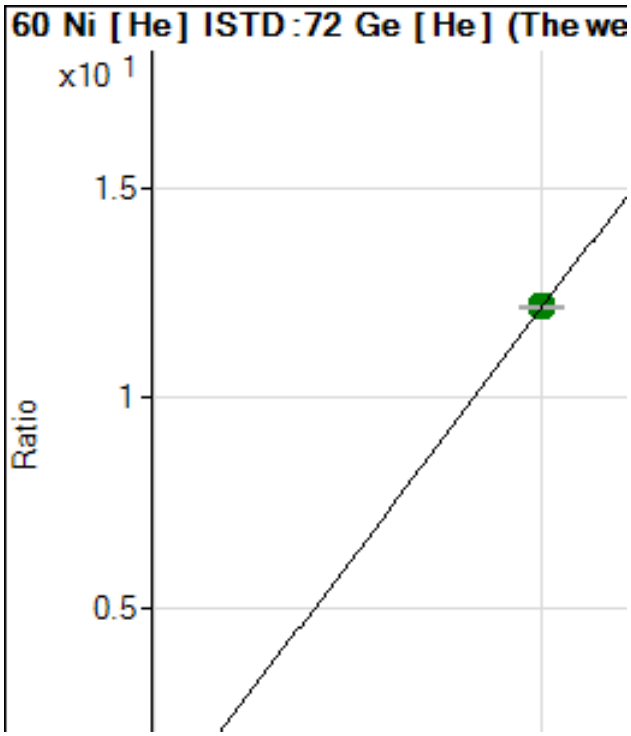
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	815.08	0.000		21	
2	☐	0.025	0.058	1121.16	0.001		18	133.
3	☐	0.050	0.087	1347.39	0.001		6.	73.9
4	☐	0.100	0.129	1623.55	0.001		9.	29.0
5	☐	0.500	0.553	4039.24	0.004		11	10.5
6	☐	1.000	1.084	7284.09	0.008		5.	8.4
7	☐	10.000	10.156	62087.78	0.068		2.	1.6
8	☐	50.000	51.450	317347.2	0.344		6.	2.9
9	☐	100.00	95.720	600899.0	0.640		4.	-4.3
10	☐	1000.0	1000.3	6002894.	6.681		18	0.0
11	☐			1543.70	0.001		13	

y = 0.0067 * x + 8.5805E-004

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	137.78	0.000		11	
2	☐	0.025	0.073	272.23	0.001		10	190.
3	☐	0.050	0.099	321.12	0.002		8.	98.4
4	☐	0.100	0.155	427.78	0.002		7.	55.3
5	☐	0.500	0.545	1161.16	0.007		5.	9.0
6	☐	1.000	1.050	2125.73	0.013		4.	5.0
7	☐	10.000	10.684	20284.11	0.130		1.	6.8
8	☐	50.000	53.235	102329.7	0.648		1.	6.5
9	☐	100.00	100.59	194490.0	1.224		2.	0.6
10	☐	1000.0	999.77	1926185.	12.16		0.	0.0
11	☐			155.56	0.001		15	

y = 0.0122 * x + 8.7244E-004

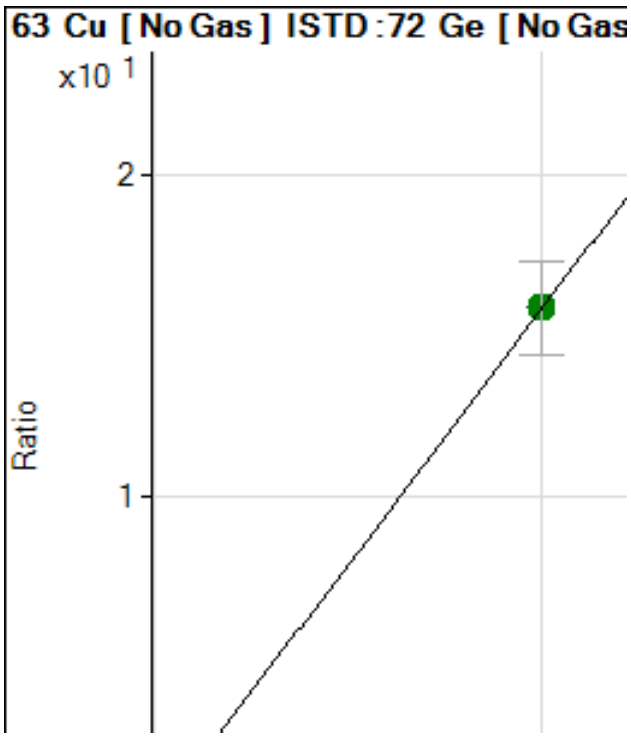
R = 1.0000

DL = 0.02391 ug/l

BEC = 0.07173 ug/l

Weight: 1/y

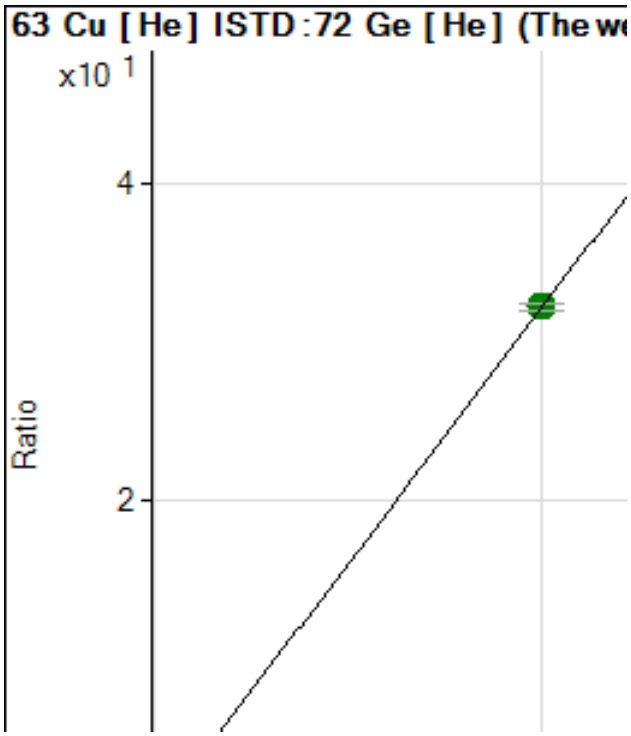
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1794.83	0.001		4.	
2	☐	0.025	0.095	3057.55	0.003		8.	279.
3	☐	0.050	0.094	3172.29	0.003		4.	88.9
4	☐	0.100	0.122	3607.90	0.003		3.	21.8
5	☐	0.500	0.583	9922.02	0.011		7.	16.7
6	☐	1.000	1.100	17402.67	0.019		7.	10.0
7	☐	10.000	10.663	154873.2	0.171		2.	6.6
8	☐	50.000	52.210	766133.8	0.831		6.	4.4
9	☐	100.00	96.678	1443812.	1.538		4.	-3.3
10	☐	1000.0	1000.2	14276326	15.89		18	0.0
11	☐			3523.18	0.003		4.	

y = 0.0159 * x + 0.0019

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	430.92	0.002		9.	
2	☐	0.025	0.095	897.18	0.005		0.	280.
3	☐	0.050	0.100	914.85	0.005		4.	99.2
4	☐	0.100	0.139	1118.16	0.007		1.	39.5
5	☐	0.500	0.565	3238.05	0.020		0.	13.0
6	☐	1.000	1.111	5988.70	0.038		0.	11.1
7	☐	10.000	10.691	53751.41	0.346		1.	6.9
8	☐	50.000	52.011	264500.1	1.675		0.	4.0
9	☐	100.00	99.922	510990.9	3.217		1.	-0.1
10	☐	1000.0	999.90	5094975.	32.16		1.	0.0
11	☐			746.54	0.004		2.	

y = 0.0322 * x + 0.0027

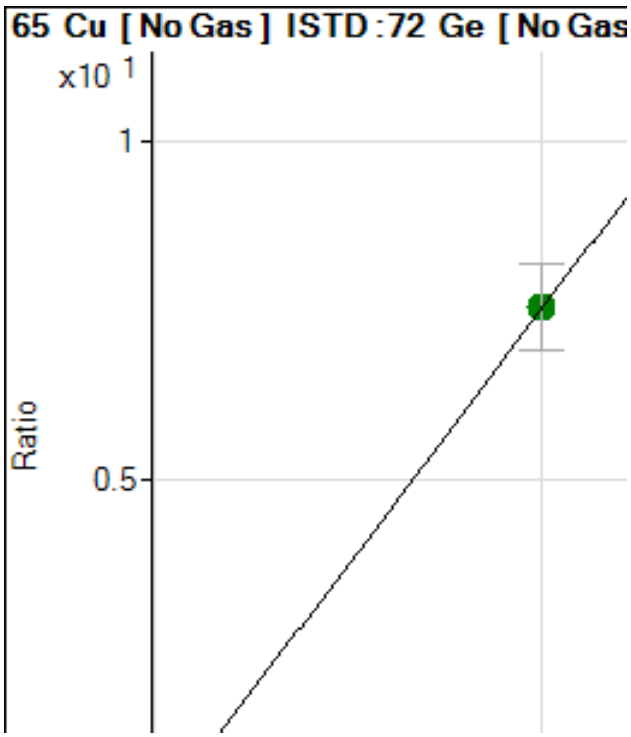
R = 1.0000

DL = 0.02435 ug/l

BEC = 0.08487 ug/l

Weight: 1/y

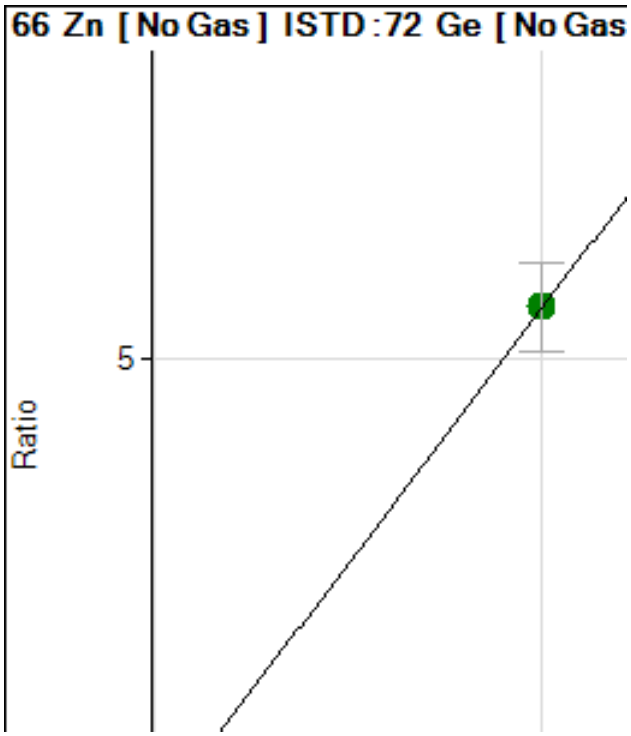
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1037.79	0.001		5.	
2	☐	0.025	0.091	1604.07	0.001		7.	265.
3	☐	0.050	0.087	1639.42	0.001		3.	74.8
4	☐	0.100	0.109	1807.51	0.001		1.	9.2
5	☐	0.500	0.565	4765.37	0.005		5.	13.0
6	☐	1.000	1.089	8364.43	0.009		6.	8.9
7	☐	10.000	10.581	73107.13	0.080		3.	5.8
8	☐	50.000	51.895	361636.9	0.392		5.	3.8
9	☐	100.00	97.095	688378.2	0.733		4.	-2.9
10	☐	1000.0	1000.1	6786287.	7.543		16	0.0
11	☐			1507.35	0.001		7.	

y = 0.0075 * x + 0.0011

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	2681.59	0.002		10	
2	☐			2824.56	0.003		9.	
3	☐	0.050	0.145	3397.17	0.003		3.	190.
4	☐	0.100	0.058	2967.87	0.003		2.	-41.6
5	☐	0.500	0.569	5310.03	0.006		14	13.8
6	☐	1.000	0.943	7257.01	0.008		6.	-5.7
7	☐	10.000	10.014	52938.94	0.058		2.	0.1
8	☐	50.000	50.055	259463.4	0.281		4.	0.1
9	☐	100.00	94.500	496542.9	0.528		3.	-5.5
10	☐	1000.0	1000.5	5009270.	5.572		17	0.1
11	☐			2689.98	0.002		1.	

y = 0.0056 * x + 0.0028

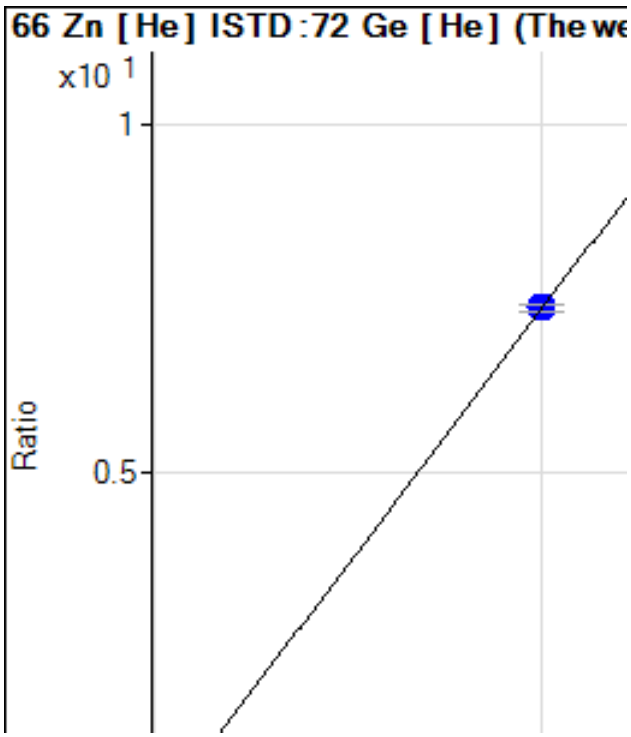
R = 1.0000

DL = 0.162 ug/l

BEC = 0.5061 ug/l

Weight: 1/y

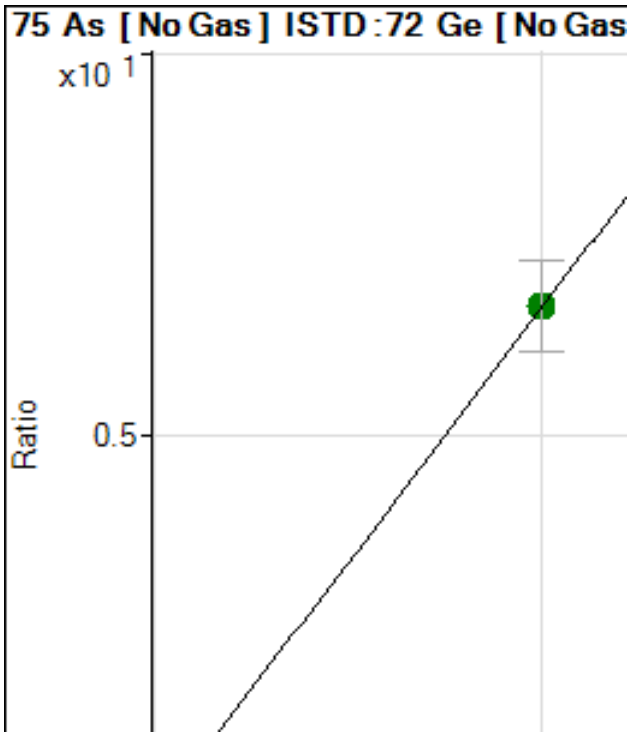
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	551.12	0.003		9.	
2	☐			657.80	0.004		7.	
3	☐	0.050	0.150	706.69	0.004		14	199.
4	☐	0.100	0.101	655.58	0.004		8.	1.1
5	☐	0.500	0.599	1223.39	0.007		6.	19.8
6	☐	1.000	1.022	1714.56	0.011		1.	2.2
7	☐	10.000	10.703	12752.28	0.082		2.	7.0
8	☐	50.000	52.733	61786.02	0.391		1.	5.5
9	☐	100.00	101.16	118780.0	0.747		1.	1.2
10	☐	1000.0	999.74	1165604.	7.359		1.	0.0
11	☐			622.24	0.004		5.	

y = 0.0074 * x + 0.0035

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	21067.61	0.022		11	
2	☐	0.025	0.218	21497.74	0.023		24	771.
3	☐	0.050	-0.742	16144.28	0.017		53	-158
4	☐	0.100	-0.096	20328.13	0.021		51	-196.
5	☐	0.500	0.764	24243.79	0.027		6.	52.8
6	☐	1.000	1.401	28374.69	0.031		1.	40.1
7	☐	10.000	10.447	82936.26	0.091		1.	4.5
8	☐	50.000	53.245	347044.1	0.376		6.	6.5
9	☐	100.00	101.80	657464.9	0.700		2.	1.8
10	☐	1000.0	999.65	6003427.	6.679		17	0.0
11	☐			20427.27	0.021		24	

y = 0.0067 * x + 0.0221

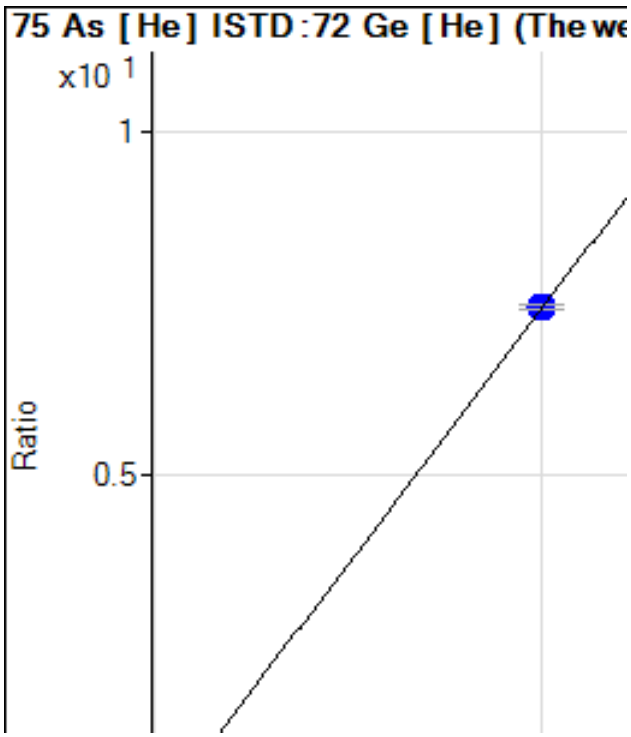
R = 1.0000

DL = 1.19 ug/l

BEC = 3.325 ug/l

Weight: 1/y

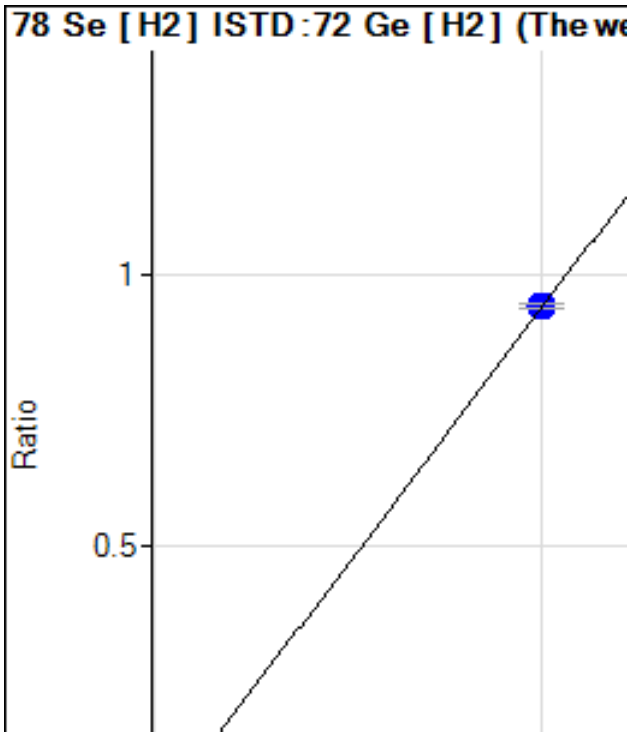
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	828.94	0.005		1.	
2	☐	0.025	0.055	877.08	0.005		1.	118.
3	☐	0.050	0.067	886.34	0.005		3.	34.2
4	☐	0.100	0.115	945.14	0.006		0.	14.7
5	☐	0.500	0.516	1405.57	0.009		1.	3.1
6	☐	1.000	1.016	1991.70	0.012		1.	1.6
7	☐	10.000	9.916	12226.54	0.078		1.	-0.8
8	☐	50.000	50.940	60504.53	0.383		0.	1.9
9	☐	100.00	99.007	117556.4	0.740		1.	-1.0
10	☐	1000.0	1000.0	1176555.	7.428		0.	0.0
11	☐			757.80	0.004		1.	

y = 0.0074 * x + 0.0052

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	49.00	0.000		6.	
2	☐	0.025	0.010	54.22	0.000		7.	-60.9
3	☐	0.050	0.040	73.00	0.000		9.	-20.6
4	☐	0.100	0.093	107.67	0.000		1.	-6.6
5	☐	0.500	0.484	354.67	0.000		4.	-3.3
6	☐	1.000	0.981	662.57	0.001		1.	-1.9
7	☐	10.000	10.021	6292.14	0.009		1.	0.2
8	☐	50.000	51.205	32135.83	0.048		0.	2.4
9	☐	100.00	99.231	60924.78	0.093		0.	-0.8
10	☐	1000.0	1000.0	597152.3	0.939		0.	0.0
11	☐			140.44	0.000		6.	

y = 9.3908E-004 * x + 6.9528E-005

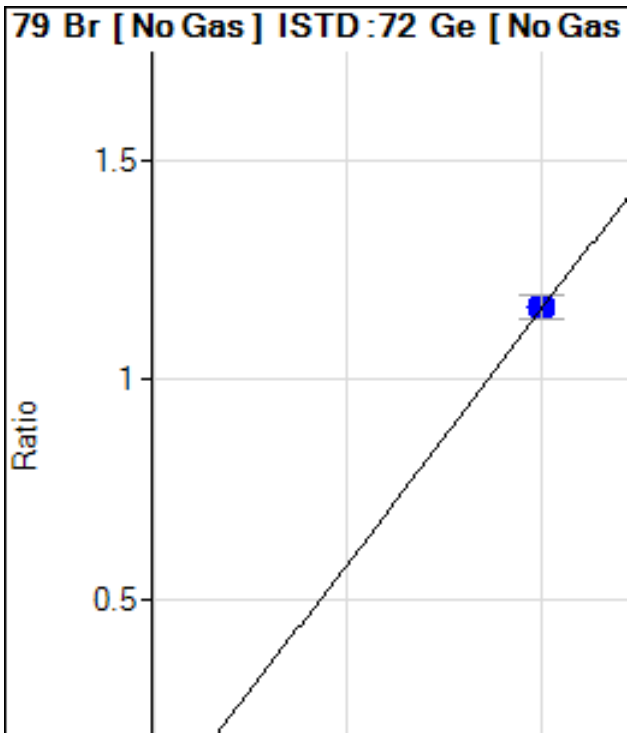
R = 1.0000

DL = 0.0143 ug/l

BEC = 0.07404 ug/l

Weight: 1/y

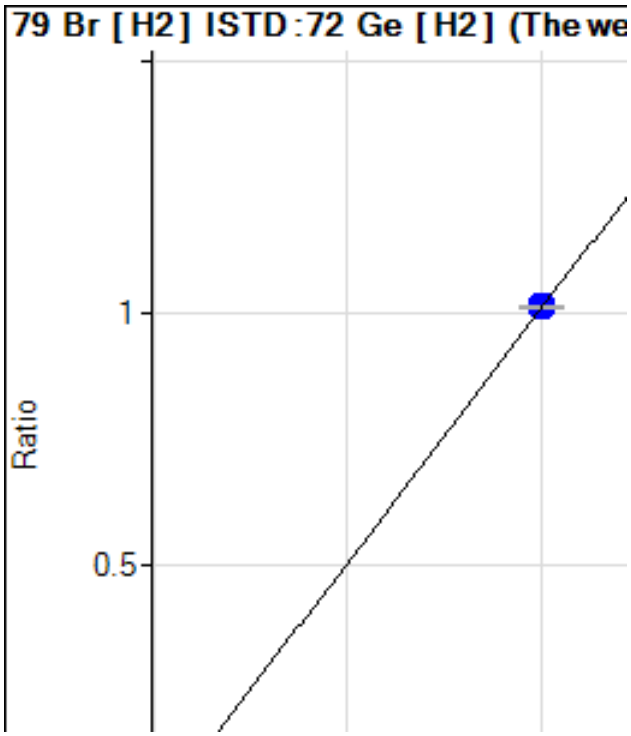
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	7433.88	0.007		6.	
2	☐			12317.54	0.013		10	
3	☐			12334.19	0.013		0.	
4	☐			12577.26	0.013		4.	
5	☐			12244.31	0.013		9.	
6	☐			12314.19	0.013		8.	
7	☐			11578.39	0.012		3.	
8	☐			9394.45	0.010		2.	
9	☐			13063.35	0.013		4.	
10	☐			14981.42	0.016		16	
11	☐	100.00	100.00	1102542.	1.165		4.	0.0

y = 0.0116 * x + 0.0078

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4538.40	0.006		4.	
2	☐			7483.81	0.010		3.	
3	☐			7666.86	0.011		1.	
4	☐			7643.56	0.011		5.	
5	☐			7177.54	0.010		5.	
6	☐			7114.33	0.010		1.	
7	☐			6981.19	0.010		1.	
8	☐			5982.73	0.009		4.	
9	☐			8575.57	0.013		6.	
10	☐			21993.24	0.034		1.	
11	☐	100.00	100.00	668101.5	1.011		0.	0.0

y = 0.0101 * x + 0.0064

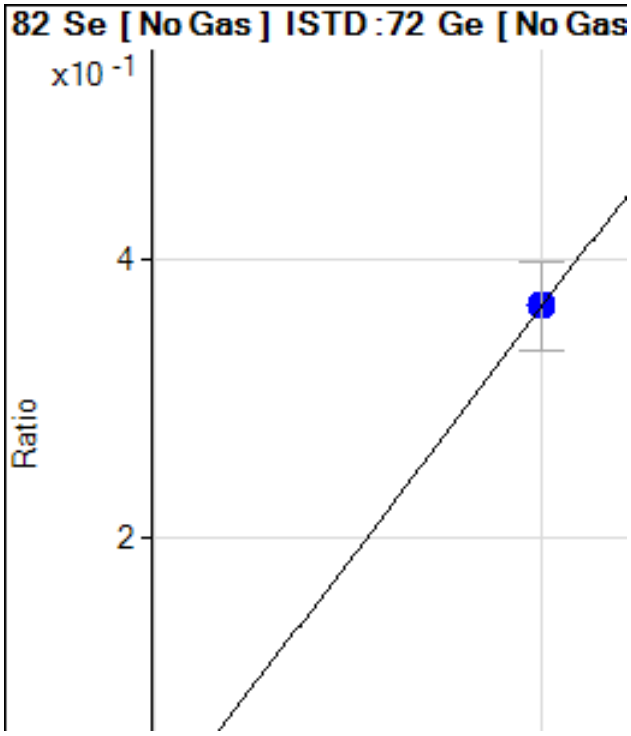
R = 1.0000

DL = 0.08175 ug/l

BEC = 0.6397 ug/l

Weight: 1/y

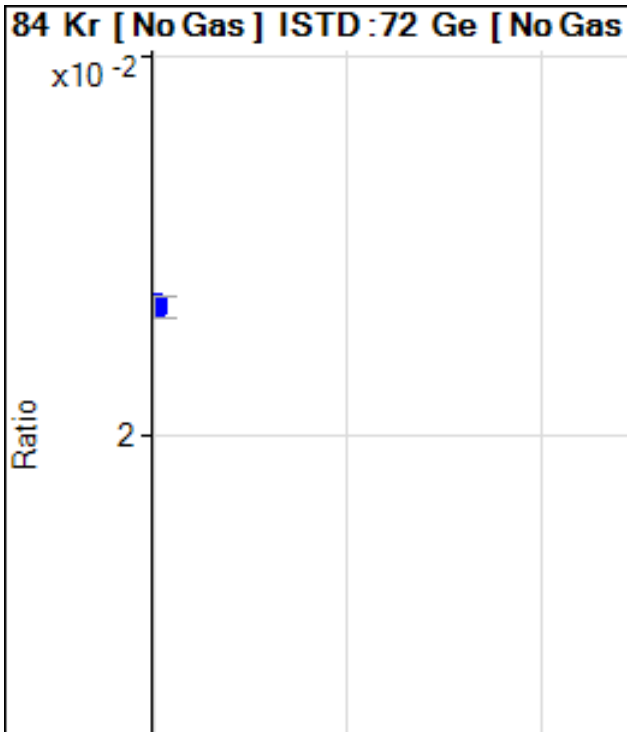
Min Conc: <None>



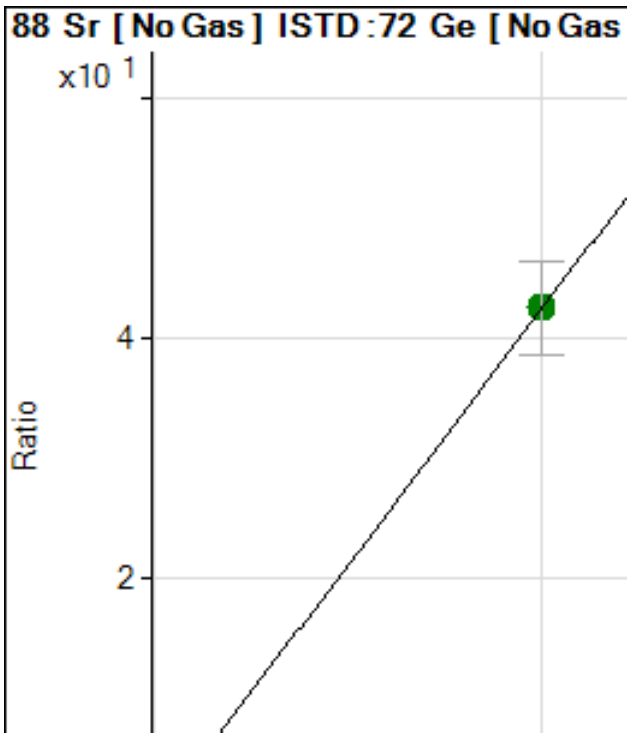
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	989.58	0.001		7.	
2	☐	0.025	0.518	1116.12	0.001		12	1970
3	☐	0.050	-0.216	898.49	0.001		11	-532.
4	☐	0.100	-0.188	916.23	0.001		4.	-288.
5	☐	0.500	0.586	1115.59	0.001		8.	17.3
6	☐	1.000	0.785	1192.67	0.001		13	-21.5
7	☐	10.000	10.549	4432.85	0.004		4.	5.5
8	☐	50.000	52.516	18666.58	0.020		7.	5.0
9	☐	100.00	99.571	35201.27	0.037		3.	-0.4
10	☐	1000.0	999.91	330207.5	0.367		17	0.0
11	☐			1468.05	0.001		6.	

y = 3.6613E-004 * x + 0.0010

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000		25521.94	0.026		4.	
2	☐			25135.30	0.027		4.	
3	☐			24965.44	0.026		1.	
4	☐			25332.00	0.026		4.	
5	☐			25112.16	0.028		10	
6	☐			24932.24	0.027		13	
7	☐			26768.54	0.029		6.	
8	☐			39298.89	0.042		5.	
9	☐			49206.24	0.052		5.	
10	☐			263475.3	0.292		15	
11	☐			24972.14	0.026		4.	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	582.20	0.000		20	
2	☐	0.025	0.027	1593.61	0.001		8.	8.7
3	☐	0.050	0.057	2834.69	0.003		9.	13.6
4	☐	0.100	0.111	5047.56	0.005		4.	11.3
5	☐	0.500	0.504	19594.53	0.022		8.	0.8
6	☐	1.000	1.020	39572.49	0.044		4.	2.0
7	☐	10.000	10.242	394048.3	0.435		2.	2.4
8	☐	50.000	52.095	2041504.	2.214		5.	4.2
9	☐	100.00	97.677	3897806.	4.152		4.	-2.3
10	☐	1000.0	1000.1	38190192	42.50		18	0.0
11	☐			944.83	0.001		15	

y = 0.0425 * x + 6.1109E-004

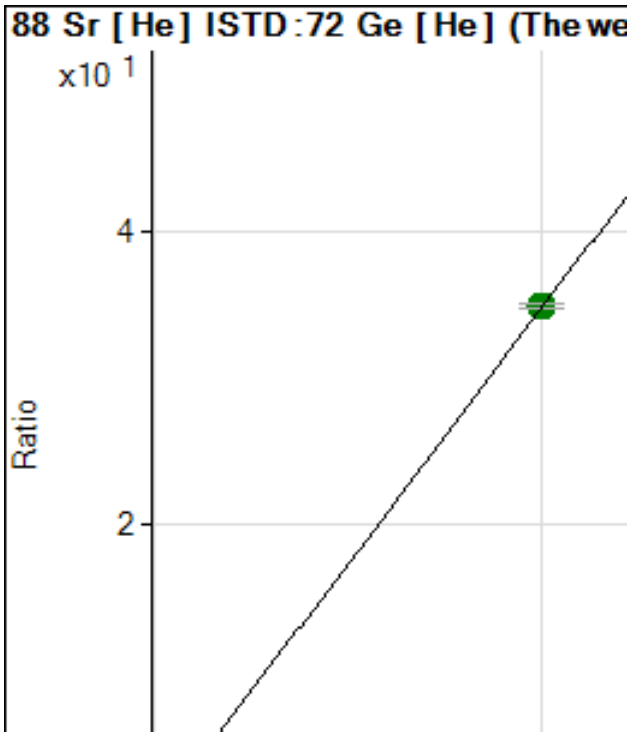
R = 1.0000

DL = 0.008956 ug/l

BEC = 0.01438 ug/l

Weight: 1/y

Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	164.45	0.001		7.	
2	☐	0.025	0.025	298.89	0.001		21	2.0
3	☐	0.050	0.060	483.34	0.003		7.	19.7
4	☐	0.100	0.108	744.47	0.004		6.	7.8
5	☐	0.500	0.492	2822.52	0.018		5.	-1.6
6	☐	1.000	0.967	5419.95	0.034		4.	-3.3
7	☐	10.000	9.789	53171.49	0.342		1.	-2.1
8	☐	50.000	50.005	275775.4	1.747		1.	0.0
9	☐	100.00	98.219	544950.2	3.431		1.	-1.8
10	☐	1000.0	1000.1	5532411.	34.93		1.	0.0
11	☐			218.89	0.001		8.	

y = 0.0349 * x + 0.0010

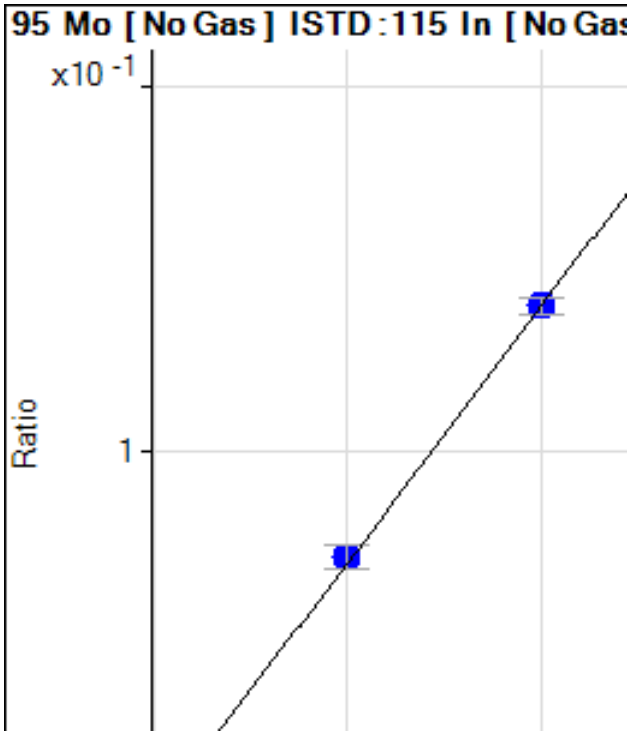
R = 1.0000

DL = 0.006465 ug/l

BEC = 0.0298 ug/l

Weight: 1/y

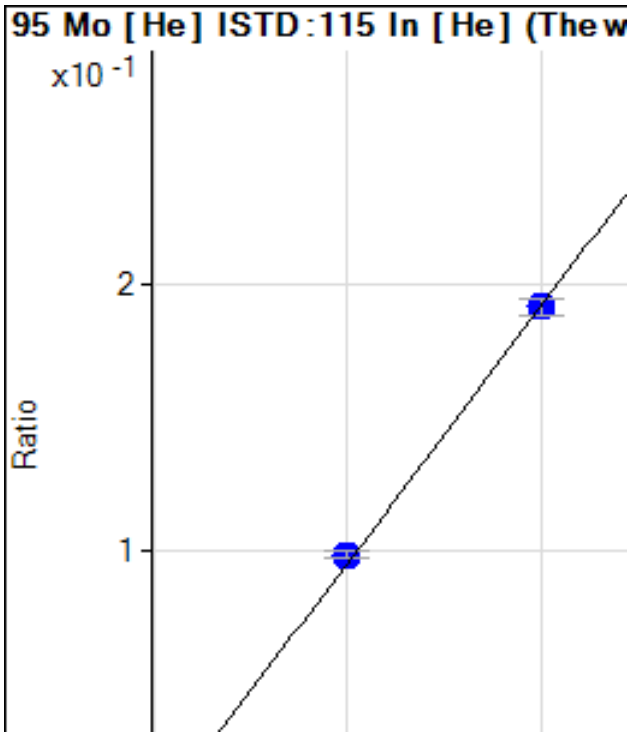
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	90.00	0.000		22	
2	☐	0.025	0.045	406.68	0.000		14	78.7
3	☐	0.050	0.046	444.46	0.000		6.	-7.6
4	☐	0.100	0.103	897.81	0.000		4.	2.8
5	☐	0.500	0.493	3663.83	0.000		6.	-1.4
6	☐	1.000	1.003	7222.98	0.001		8.	0.3
7	☐	10.000	9.874	72724.18	0.013		5.	-1.3
8	☐	50.000	50.600	373690.9	0.071		8.	1.2
9	☐	100.00	99.713	730306.2	0.139		3.	-0.3
10	☐			1353.41	0.000		21	
11	☐			295.56	0.000		13	

y = 0.0014 * x + 1.6135E-005

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	34.44	0.000		40	
2	☐	0.025	0.038	141.11	0.000		11	50.2
3	☐	0.050	0.044	161.11	0.000		10	-11.4
4	☐	0.100	0.098	314.45	0.000		8.	-2.4
5	☐	0.500	0.476	1395.63	0.000		6.	-4.7
6	☐	1.000	0.987	2868.09	0.001		2.	-1.3
7	☐	10.000	9.692	27879.45	0.018		3.	-3.1
8	☐	50.000	51.129	146249.3	0.098		2.	2.3
9	☐	100.00	99.467	283282.3	0.191		3.	-0.5
10	☐			362.23	0.000		17	
11	☐			82.22	0.000		14	

y = 0.0019 * x + 2.3011E-005

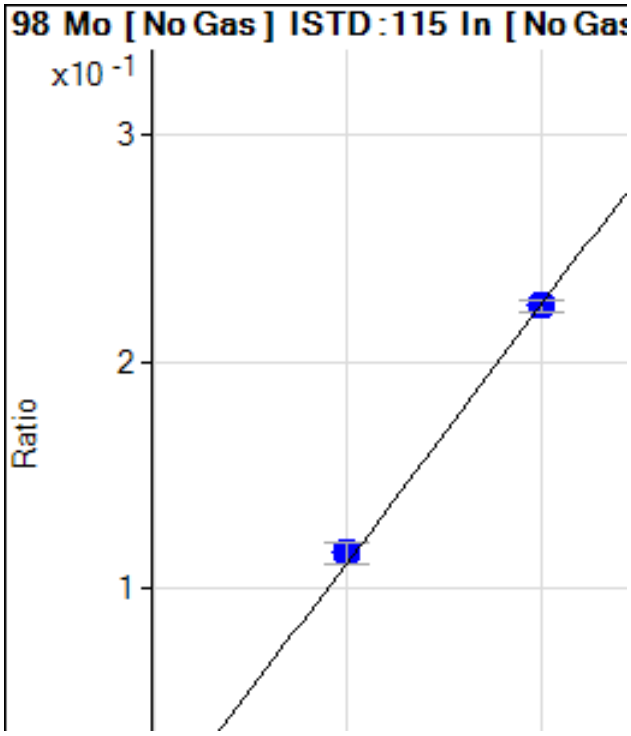
R = 0.9999

DL = 0.01434 ug/l

BEC = 0.01193 ug/l

Weight: 1/y

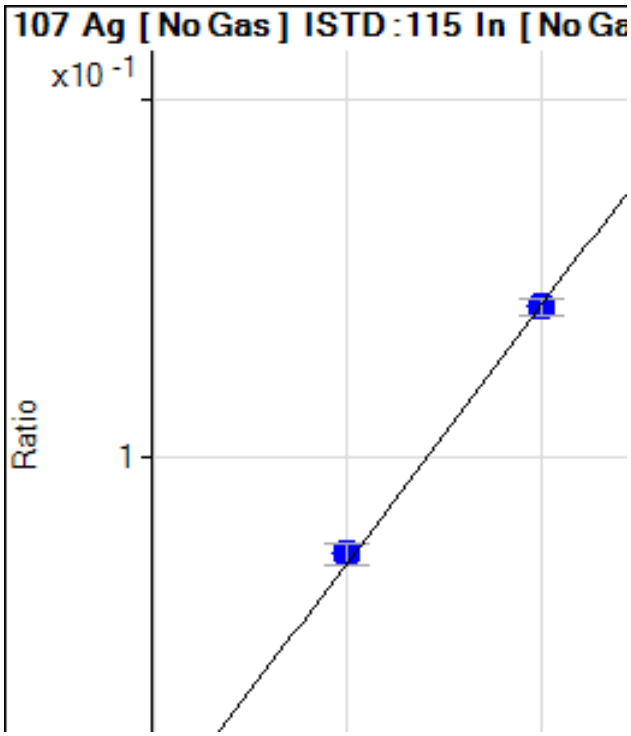
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	148.56	0.000		21	
2	☐	0.025	0.046	678.50	0.000		17	85.9
3	☐	0.050	0.044	696.97	0.000		6.	-11.3
4	☐	0.100	0.099	1400.65	0.000		5.	-1.1
5	☐	0.500	0.468	5605.59	0.001		10	-6.4
6	☐	1.000	0.992	11527.60	0.002		8.	-0.8
7	☐	10.000	9.674	114935.8	0.021		4.	-3.3
8	☐	50.000	51.202	610082.6	0.115		7.	2.4
9	☐	100.00	99.432	1174546.	0.225		2.	-0.6
10	☐			2396.42	0.000		16	
11	☐			384.40	0.000		5.	

y = 0.0023 * x + 2.6634E-005

R = 0.9999



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1456.66	0.000		9.	
2	☐	0.010	0.020	1728.80	0.000		2.	101.
3	☐	0.020	0.025	1922.91	0.000		1.	24.5
4	☐	0.040	0.047	2397.84	0.000		3.	17.1
5	☐	0.200	0.207	5161.68	0.001		8.	3.3
6	☐	0.400	0.435	9197.35	0.001		6.	8.7
7	☐	4.000	3.999	76170.84	0.014		4.	0.0
8	☐	20.000	20.485	385920.3	0.073		8.	2.4
9	☐	40.000	39.757	741324.5	0.142		3.	-0.6
10	☐			6898458.	1.301		23	
11	☐			2264.43	0.000		3.	

y = 0.0036 * x + 2.6138E-004

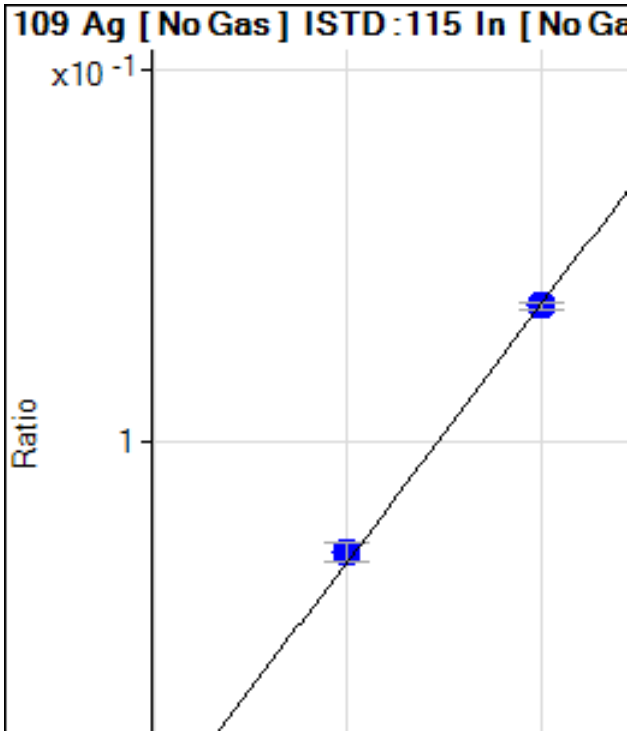
R = 0.9999

DL = 0.02025 ug/l

BEC = 0.07331 ug/l

Weight: 1/y

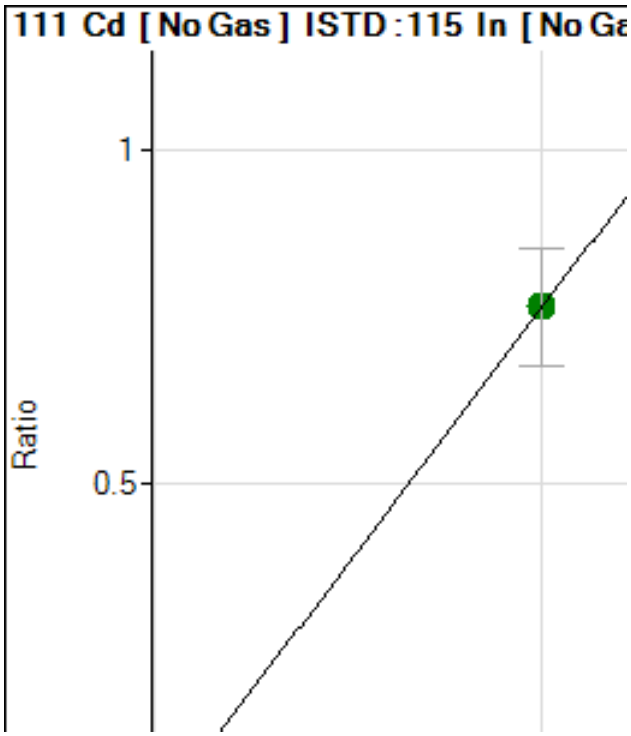
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1496.68	0.000		3.	
2	☐	0.010	0.013	1613.41	0.000		7.	26.0
3	☐	0.020	0.016	1774.16	0.000		2.	-20.8
4	☐	0.040	0.037	2223.74	0.000		4.	-6.5
5	☐	0.200	0.200	4931.51	0.001		9.	-0.1
6	☐	0.400	0.426	8778.25	0.001		9.	6.6
7	☐	4.000	4.038	74041.91	0.014		5.	0.9
8	☐	20.000	20.512	371939.8	0.070		7.	2.6
9	☐	40.000	39.740	713158.7	0.136		1.	-0.7
10	☐			6801309.	1.284		24	
11	☐			2103.00	0.000		1.	

y = 0.0034 * x + 2.6870E-004

R = 0.9999



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-13.45	0.000		-1	
2	☐	0.025	0.029	102.31	0.000		21	16.8
3	☐	0.050	0.051	202.91	0.000		23	2.9
4	☐	0.100	0.096	397.41	0.000		3.	-4.1
5	☐	0.500	0.514	2014.10	0.000		15	2.8
6	☐	1.000	1.053	4073.19	0.000		10	5.3
7	☐	10.000	10.345	41523.28	0.007		4.	3.5
8	☐	50.000	53.369	215062.0	0.040		7.	6.7
9	☐	100.00	103.83	414903.6	0.079		2.	3.8
10	☐	1000.0	999.44	4058398.	0.764		23	-0.1
11	☐			254.30	0.000		23	

y = 7.6537E-004 * x - 2.4381E-006

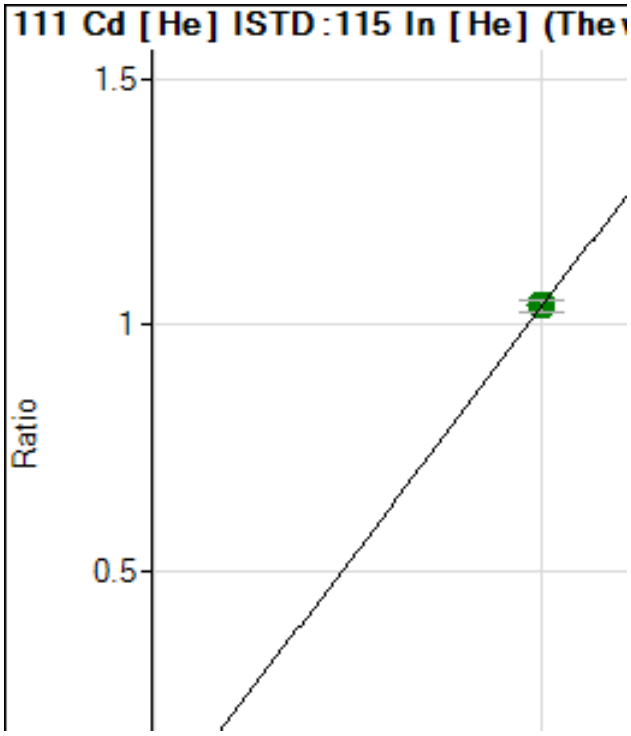
R = 1.0000

DL = 0.01612 ug/l

BEC = -0.003185 ug/l

Weight: 1/y

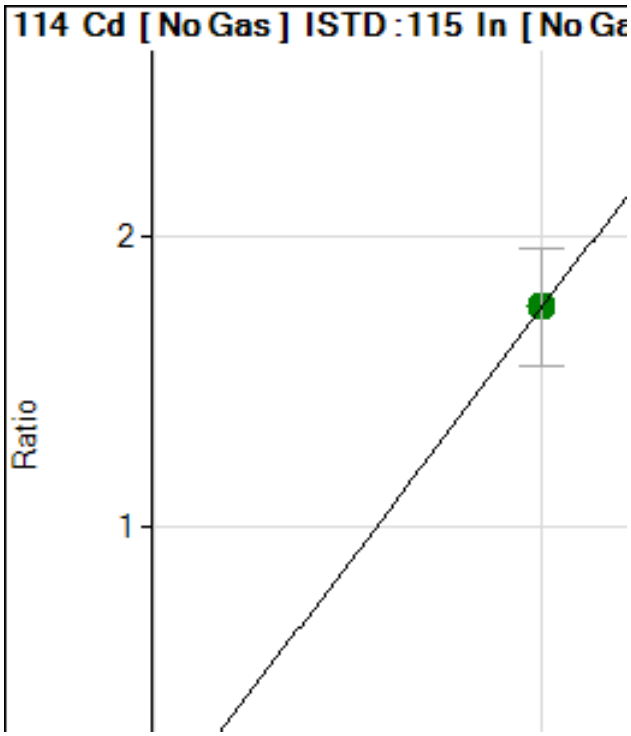
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	4.22	0.000		18	
2	☐	0.025	0.029	49.45	0.000		10	17.9
3	☐	0.050	0.049	79.89	0.000		5.	-1.8
4	☐	0.100	0.109	172.78	0.000		4.	9.1
5	☐	0.500	0.501	775.02	0.000		2.	0.2
6	☐	1.000	0.997	1545.53	0.001		1.	-0.3
7	☐	10.000	9.985	15440.36	0.010		0.	-0.1
8	☐	50.000	52.104	80185.98	0.054		1.	4.2
9	☐	100.00	101.14	154989.3	0.105		2.	1.1
10	☐	1000.0	999.78	1516163.	1.037		2.	0.0
11	☐			57.11	0.000		10	

y = 0.0010 * x + 2.8230E-006

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	-129.99	0.000		-1	
2	☐	0.025	0.022	77.57	0.000		33	-12.9
3	☐	0.050	0.045	305.92	0.000		34	-9.9
4	☐	0.100	0.097	817.20	0.000		7.	-3.5
5	☐	0.500	0.499	4397.17	0.000		11	-0.3
6	☐	1.000	1.029	9028.82	0.001		10	2.9
7	☐	10.000	9.999	91889.10	0.017		4.	0.0
8	☐	50.000	51.436	475040.1	0.090		7.	2.9
9	☐	100.00	100.78	922857.6	0.176		2.	0.8
10	☐	1000.0	999.85	9305919.	1.754		23	0.0
11	☐			330.21	0.000		22	

y = 0.0018 * x - 2.3351E-005

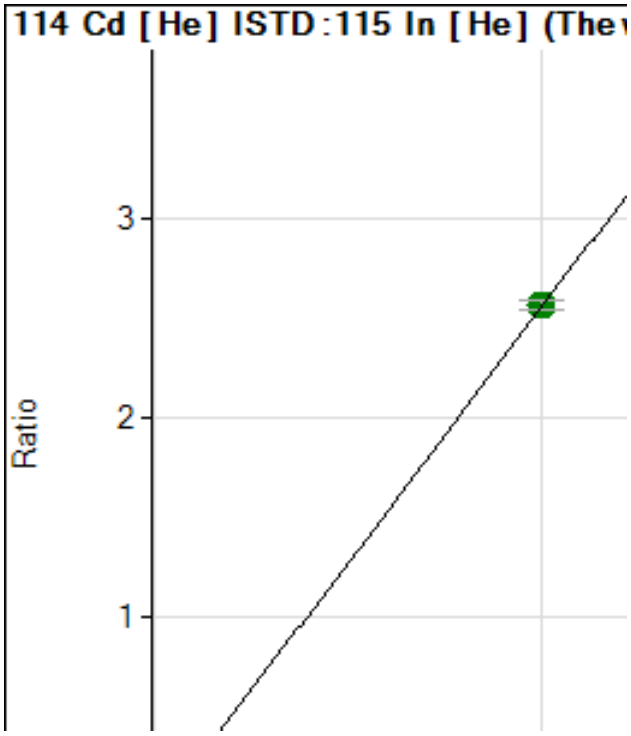
R = 1.0000

DL = 0.004657 ug/l

BEC = -0.01331 ug/l

Weight: 1/y

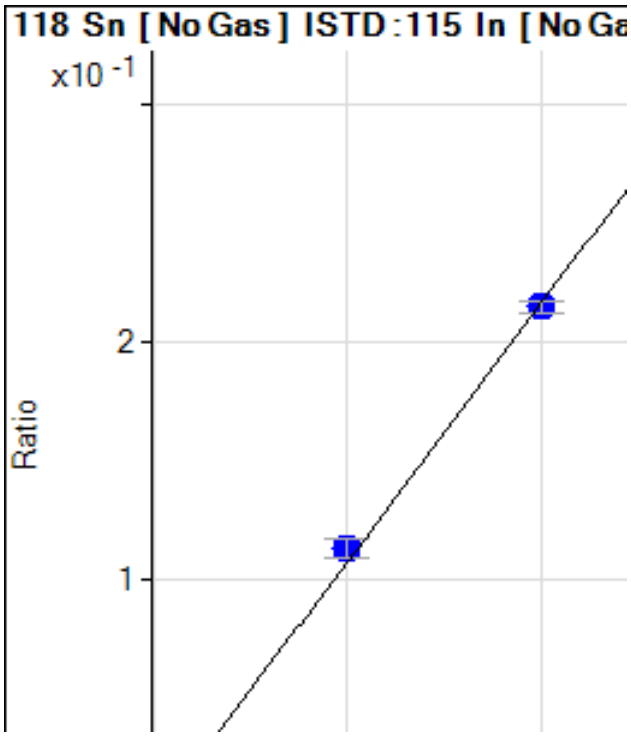
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	11.30	0.000		18	
2	☐	0.025	0.024	101.06	0.000		7.	-5.1
3	☐	0.050	0.053	214.81	0.000		1.	6.9
4	☐	0.100	0.103	403.50	0.000		4.	2.8
5	☐	0.500	0.482	1842.49	0.001		1.	-3.6
6	☐	1.000	0.984	3769.41	0.002		1.	-1.6
7	☐	10.000	9.758	37282.85	0.025		0.	-2.4
8	☐	50.000	50.866	193423.4	0.130		1.	1.7
9	☐	100.00	99.015	374899.6	0.253		2.	-1.0
10	☐	1000.0	1000.0	3747214.	2.564		2.	0.0
11	☐			139.32	0.000		7.	

y = 0.0026 * x + 7.5515E-006

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	1117.84	0.000		13	
2	☐	0.025	0.027	1344.07	0.000		5.	8.1
3	☐	0.050	0.056	1766.62	0.000		7.	11.5
4	☐	0.100	0.091	2232.42	0.000		2.	-8.8
5	☐	0.500	0.491	6548.57	0.001		9.	-1.7
6	☐	1.000	0.993	11948.09	0.002		10	-0.7
7	☐	10.000	9.748	112024.6	0.021		5.	-2.5
8	☐	50.000	52.192	597837.1	0.113		7.	4.4
9	☐	100.00	98.929	1122124.	0.214		2.	-1.1
10	☐			3514.09	0.000		46	
11	☐			2249.06	0.000		6.	

y = 0.0022 * x + 2.0061E-004

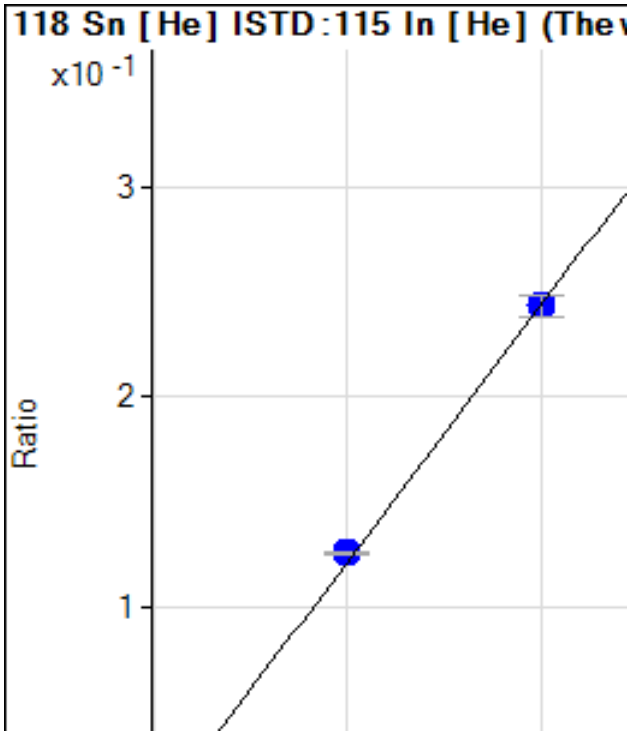
R = 0.9997

DL = 0.03618 ug/l

BEC = 0.09242 ug/l

Weight: 1/y

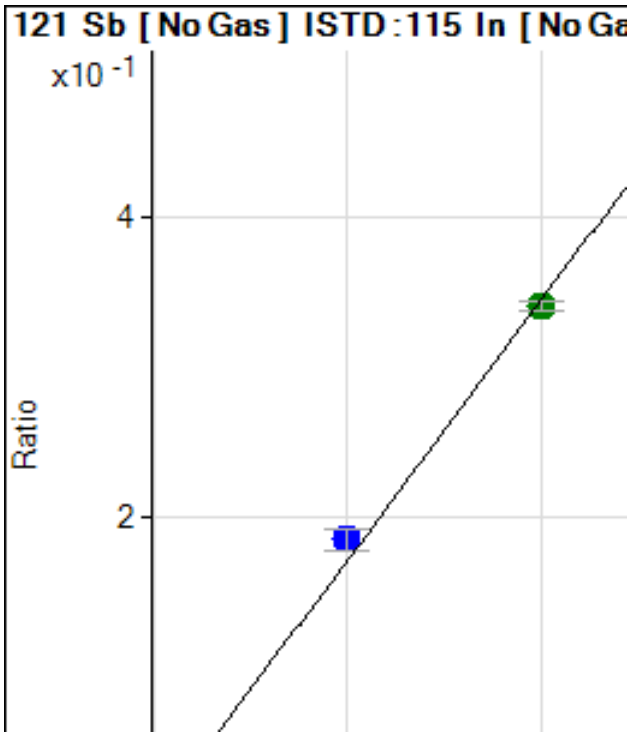
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	338.89	0.000		24	
2	☐	0.025	0.030	442.23	0.000		5.	18.5
3	☐	0.050	0.052	525.57	0.000		10	4.0
4	☐	0.100	0.110	738.92	0.000		12	10.5
5	☐	0.500	0.475	2056.83	0.001		2.	-5.0
6	☐	1.000	0.983	3913.90	0.002		4.	-1.7
7	☐	10.000	9.531	35035.82	0.023		1.	-4.7
8	☐	50.000	51.225	185994.7	0.125		0.	2.4
9	☐	100.00	99.435	359100.4	0.243		4.	-0.6
10	☐			818.92	0.000		6.	
11	☐			770.03	0.000		5.	

y = 0.0024 * x + 2.2660E-004

R = 0.9999



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	353.04	0.000		6.	
2	☐	0.025	0.021	698.09	0.000		8.	-17.2
3	☐	0.050	0.044	1192.17	0.000		3.	-11.0
4	☐	0.100	0.087	2040.02	0.000		1.	-12.9
5	☐	0.500	0.461	8558.13	0.001		8.	-7.8
6	☐	1.000	0.990	17682.19	0.003		8.	-1.0
7	☐	10.000	9.623	174755.5	0.033		4.	-3.8
8	☐	50.000	53.403	971803.5	0.184		7.	6.8
9	☐	100.00	98.336	1774176.	0.339		1.	-1.7
10	☐			4442.15	0.000		18	
11	☐			1263.85	0.000		5.	

y = 0.0035 * x + 6.3385E-005

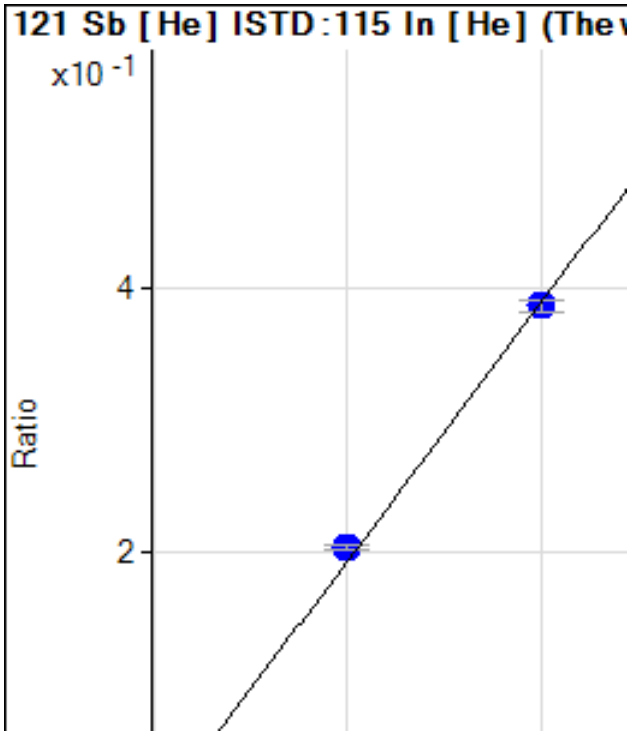
R = 0.9993

DL = 0.003683 ug/l

BEC = 0.01835 ug/l

Weight: 1/y

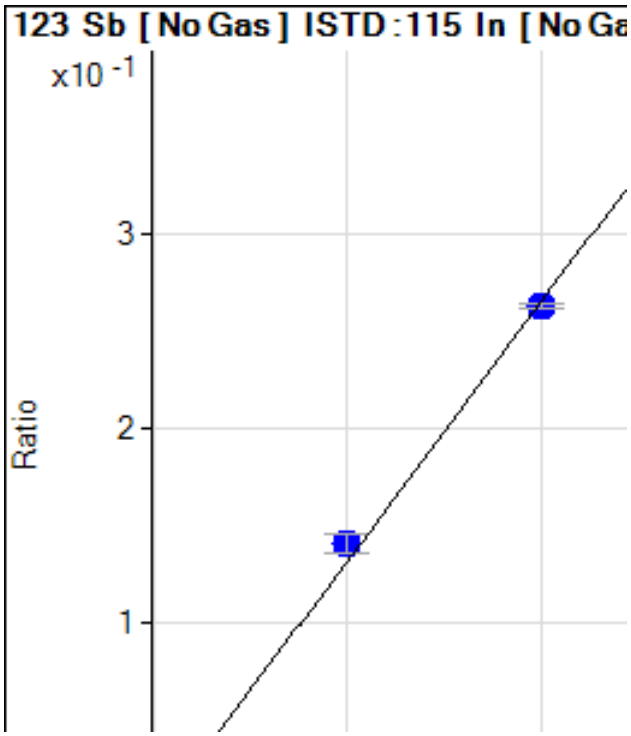
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	105.34	0.000		14	
2	☐	0.025	0.020	217.69	0.000		3.	-21.3
3	☐	0.050	0.045	368.04	0.000		5.	-9.2
4	☐	0.100	0.096	660.75	0.000		5.	-4.3
5	☐	0.500	0.444	2670.86	0.001		2.	-11.3
6	☐	1.000	0.906	5367.90	0.003		3.	-9.4
7	☐	10.000	9.486	55254.21	0.037		1.	-5.1
8	☐	50.000	52.093	301597.3	0.203		1.	4.2
9	☐	100.00	99.006	570723.7	0.386		2.	-1.0
10	☐			1280.19	0.000		3.	
11	☐			397.38	0.000		6.	

y = 0.0039 * x + 7.0430E-005

R = 0.9997



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	262.36	0.000		2.	
2	☐	0.025	0.020	516.39	0.000		4.	-21.0
3	☐	0.050	0.043	886.45	0.000		2.	-14.2
4	☐	0.100	0.090	1609.92	0.000		1.	-9.8
5	☐	0.500	0.456	6523.17	0.001		8.	-8.9
6	☐	1.000	0.973	13410.73	0.002		6.	-2.7
7	☐	10.000	9.528	133460.1	0.025		4.	-4.7
8	☐	50.000	52.810	741296.5	0.140		7.	5.6
9	☐	100.00	98.642	1372899.	0.262		1.	-1.4
10	☐			3664.85	0.000		18	
11	☐			950.80	0.000		5.	

y = 0.0027 * x + 4.7103E-005

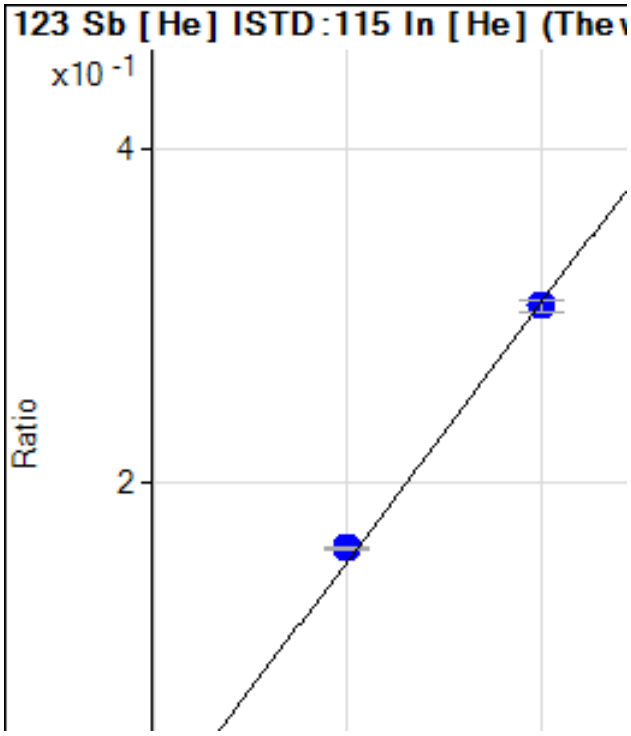
R = 0.9995

DL = 0.001357 ug/l

BEC = 0.01768 ug/l

Weight: 1/y

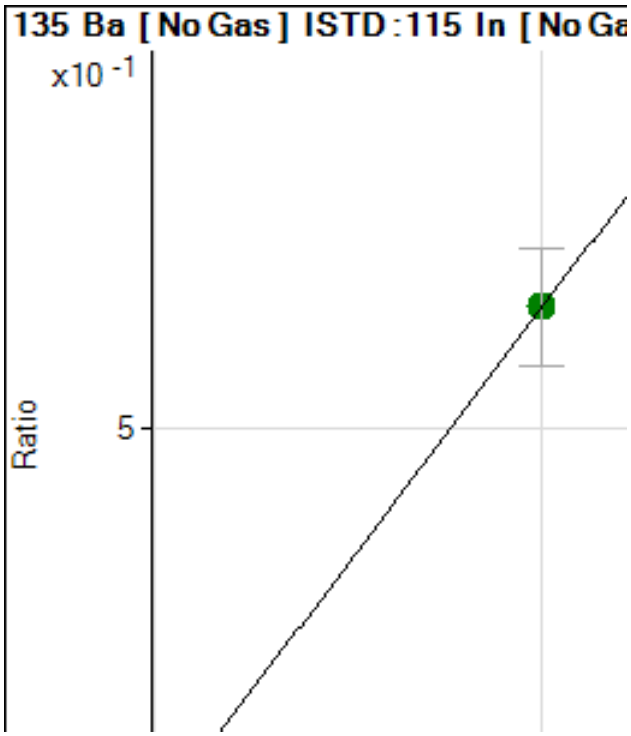
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	91.01	0.000		10	
2	☐	0.025	0.020	182.02	0.000		5.	-19.4
3	☐	0.050	0.048	312.04	0.000		2.	-3.3
4	☐	0.100	0.093	517.39	0.000		2.	-7.1
5	☐	0.500	0.444	2120.37	0.001		2.	-11.2
6	☐	1.000	0.936	4393.47	0.003		2.	-6.4
7	☐	10.000	9.370	43178.64	0.029		1.	-6.3
8	☐	50.000	51.971	238005.9	0.160		1.	3.9
9	☐	100.00	99.079	451732.0	0.305		2.	-0.9
10	☐			1009.14	0.000		5.	
11	☐			334.71	0.000		2.	

y = 0.0031 * x + 6.0837E-005

R = 0.9997



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	29.94	0.000		32	
2	☐	0.025	0.026	116.44	0.000		34	2.4
3	☐	0.050	0.050	209.59	0.000		37	0.1
4	☐	0.100	0.119	465.75	0.000		6.	18.8
5	☐	0.500	0.531	1823.19	0.000		10	6.2
6	☐	1.000	1.037	3480.21	0.000		6.	3.7
7	☐	10.000	10.294	35378.19	0.006		6.	2.9
8	☐	50.000	53.002	182732.6	0.034		9.	6.0
9	☐	100.00	103.37	353497.0	0.067		4.	3.4
10	☐	1000.0	999.50	3474261.	0.654		23	0.0
11	☐			93.15	0.000		33	

y = 6.5503E-004 * x + 5.3695E-006

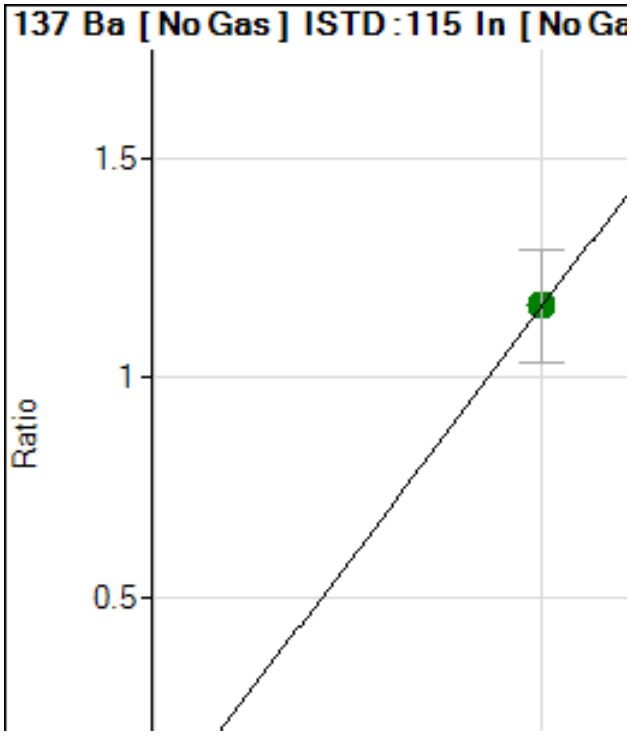
R = 1.0000

DL = 0.008056 ug/l

BEC = 0.008197 ug/l

Weight: 1/y

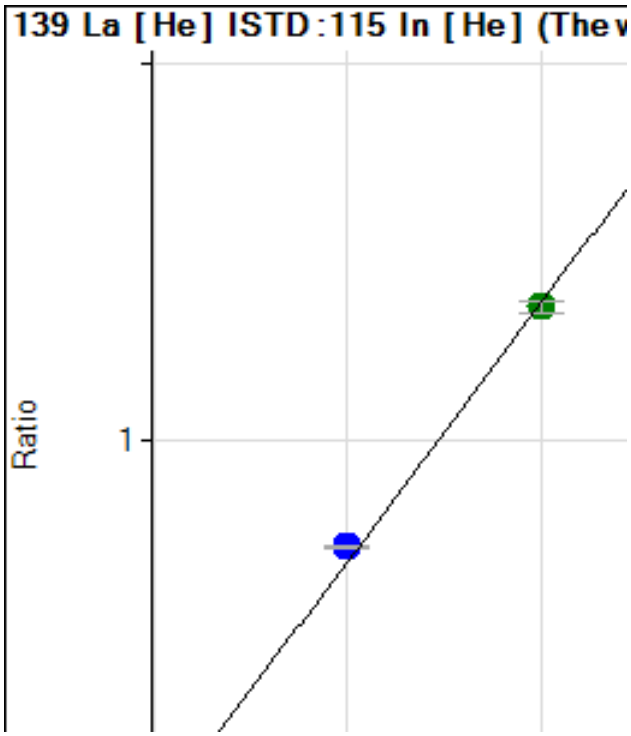
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	43.25	0.000		13	
2	☐	0.025	0.031	226.22	0.000		37	24.5
3	☐	0.050	0.060	425.83	0.000		9.	19.8
4	☐	0.100	0.107	741.89	0.000		1.	7.1
5	☐	0.500	0.511	3130.82	0.000		5.	2.2
6	☐	1.000	1.000	5942.84	0.001		12	0.0
7	☐	10.000	9.908	60588.13	0.011		4.	-0.9
8	☐	50.000	51.690	317152.0	0.060		7.	3.4
9	☐	100.00	100.96	614278.7	0.117		1.	1.0
10	☐	1000.0	999.82	6187133.	1.164		22	0.0
11	☐			146.38	0.000		13	

y = 0.0012 * x + 7.7642E-006

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	5.56	0.000		34	
2	☐	0.025	0.024	497.79	0.000		7.	-2.9
3	☐	0.050	0.049	1007.82	0.000		11	-1.5
4	☐	0.100	0.105	2137.96	0.001		2.	4.5
5	☐	0.500	0.483	9821.29	0.006		0.	-3.4
6	☐	1.000	0.994	20286.02	0.013		2.	-0.6
7	☐	10.000	9.700	198051.4	0.132		0.	-3.0
8	☐	50.000	52.367	1064475.	0.717		0.	4.7
9	☐	100.00	98.847	2000593.	1.354		2.	-1.2
10	☐			270.01	0.000		9.	
11	☐			24.44	0.000		8.	

y = 0.0137 * x + 3.7131E-006

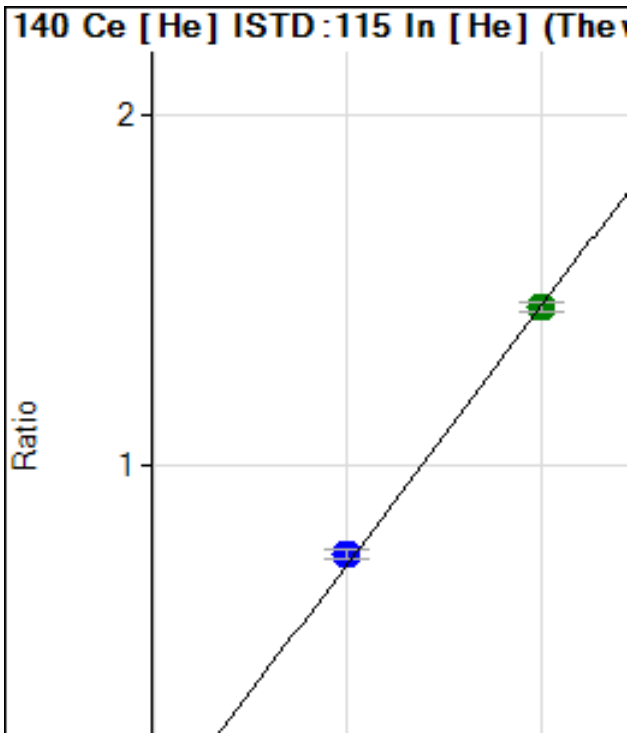
R = 0.9996

DL = 0.0002812 ug/l

BEC = 0.0002709 ug/l

Weight: 1/y

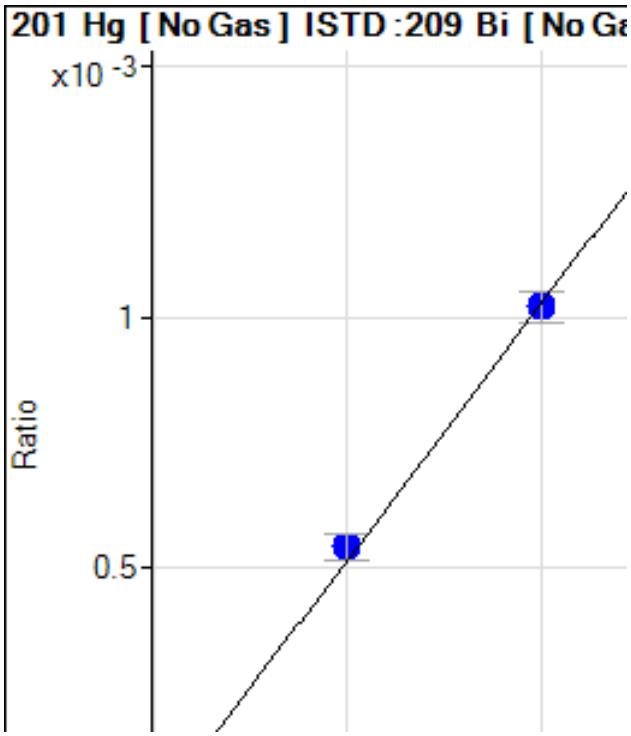
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	6.67	0.000		50	
2	☐	0.025	0.023	501.13	0.000		3.	-8.4
3	☐	0.050	0.051	1120.05	0.000		7.	2.7
4	☐	0.100	0.103	2251.31	0.001		1.	3.3
5	☐	0.500	0.469	10156.00	0.006		1.	-6.2
6	☐	1.000	0.974	21180.68	0.014		1.	-2.6
7	☐	10.000	9.669	210211.9	0.141		1.	-3.3
8	☐	50.000	51.430	1112938.	0.750		3.	2.9
9	☐	100.00	99.319	2140665.	1.449		1.	-0.7
10	☐			516.68	0.000		2.	
11	☐			25.55	0.000		28	

y = 0.0146 * x + 4.4555E-006

R = 0.9999



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	34.99	0.000		5.	
2	☐			31.99	0.000		13	
3	☐	0.001	-0.001	33.99	0.000		11	-156.
4	☐	0.002	-0.004	25.99	0.000		18	-289.
5	☐	0.010	0.005	43.99	0.000		12	-47.2
6	☐	0.020	0.017	65.99	0.000		4.	-12.7
7	☐	0.200	0.181	402.93	0.000		4.	-9.4
8	☐	1.000	1.041	2159.08	0.000		10	4.1
9	☐	2.000	1.981	4135.82	0.001		6.	-0.9
10	☐			43.66	0.000		16	
11	☐			26.99	0.000		8.	

y = 5.1098E-004 * x + 8.1265E-006

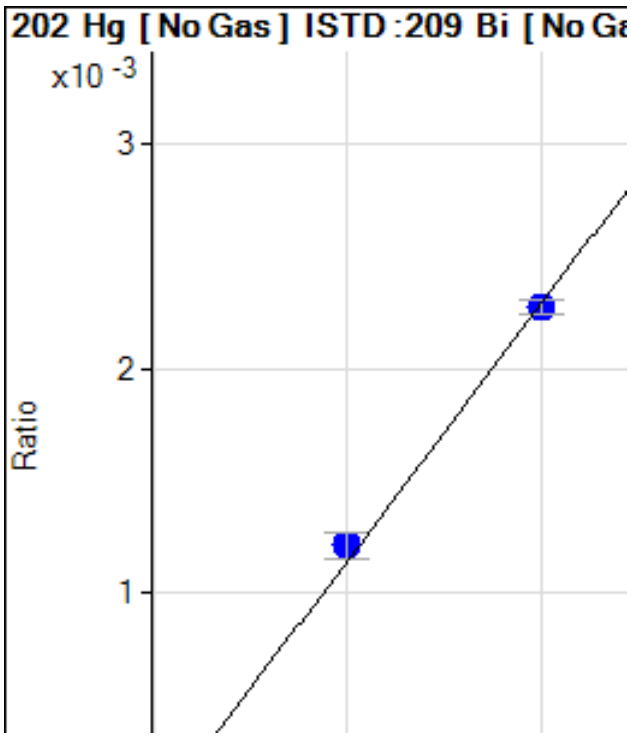
R = 0.9997

DL = 0.002445 ug/l

BEC = 0.0159 ug/l

Weight: 1/y

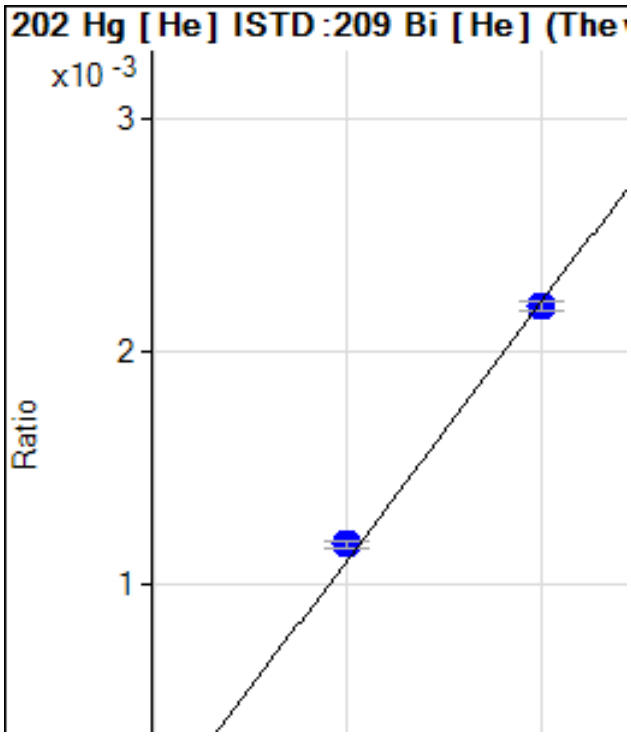
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	69.66	0.000		4.	
2	☐			67.99	0.000		24	
3	☐	0.001	-0.001	65.66	0.000		5.	-189.
4	☐	0.002	0.003	82.98	0.000		22	62.0
5	☐	0.010	0.009	107.31	0.000		16	-6.2
6	☐	0.020	0.019	144.64	0.000		4.	-7.4
7	☐	0.200	0.191	936.18	0.000		1.	-4.5
8	☐	1.000	1.049	4843.92	0.001		10	4.9
9	☐	2.000	1.977	9206.00	0.002		2.	-1.2
10	☐			112.98	0.000		16	
11	☐			84.98	0.000		11	

y = 0.0011 * x + 1.6184E-005

R = 0.9996



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	31.66	0.000		14	
2	☐			31.32	0.000		17	
3	☐	0.001	0.000	30.32	0.000		14	-147.
4	☐	0.002	0.001	32.33	0.000		29	-73.8
5	☐	0.010	0.008	52.32	0.000		11	-17.6
6	☐	0.020	0.017	73.32	0.000		4.	-13.9
7	☐	0.200	0.193	495.58	0.000		1.	-3.6
8	☐	1.000	1.051	2577.41	0.001		2.	5.1
9	☐	2.000	1.975	4885.25	0.002		1.	-1.2
10	☐			55.66	0.000		3.	
11	☐			37.32	0.000		19	

y = 0.0011 * x + 1.4253E-005

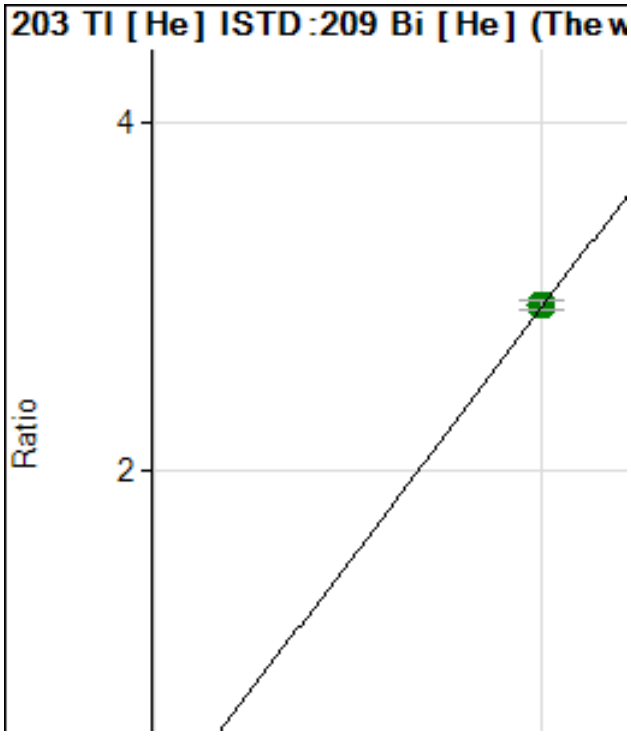
R = 0.9996

DL = 0.005606 ug/l

BEC = 0.01293 ug/l

Weight: 1/y

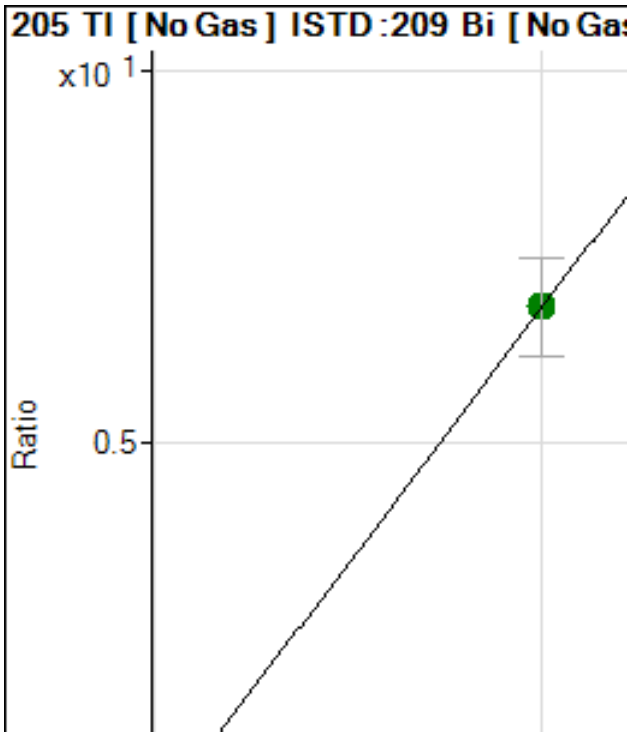
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	142.72	0.000		4.	
2	☐	0.025	0.023	286.12	0.000		2.	-9.1
3	☐	0.050	0.041	408.17	0.000		2.	-18.1
4	☐	0.100	0.088	706.97	0.000		6.	-11.8
5	☐	0.500	0.444	3070.93	0.001		2.	-11.3
6	☐	1.000	0.922	6126.54	0.002		1.	-7.8
7	☐	10.000	9.558	61632.93	0.028		1.	-4.4
8	☐	50.000	48.628	314647.1	0.143		1.	-2.7
9	☐	100.00	94.756	621868.9	0.279		3.	-5.2
10	☐	1000.0	1000.5	6254109.	2.945		2.	0.1
11	☐			634.27	0.000		3.	

y = 0.0029 * x + 6.4239E-005

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	668.91	0.000		7.	
2	☐	0.025	0.022	1220.06	0.000		7.	-13.2
3	☐	0.050	0.041	1871.26	0.000		1.	-18.9
4	☐	0.100	0.095	3372.67	0.000		6.	-4.7
5	☐	0.500	0.478	13727.14	0.003		8.	-4.4
6	☐	1.000	1.024	27635.37	0.007		3.	2.4
7	☐	10.000	10.006	273749.1	0.068		4.	0.1
8	☐	50.000	49.131	1345304.	0.335		5.	-1.7
9	☐	100.00	99.012	2740296.	0.676		5.	-1.0
10	☐	1000.0	1000.1	27470274	6.828		19	0.0
11	☐			3127.05	0.000		5.	

y = 0.0068 * x + 1.5537E-004

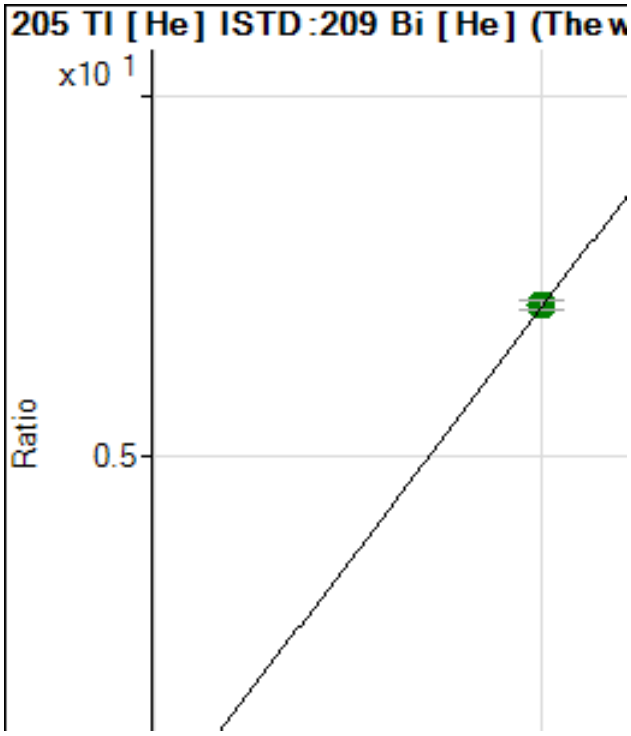
R = 1.0000

DL = 0.004892 ug/l

BEC = 0.02276 ug/l

Weight: 1/y

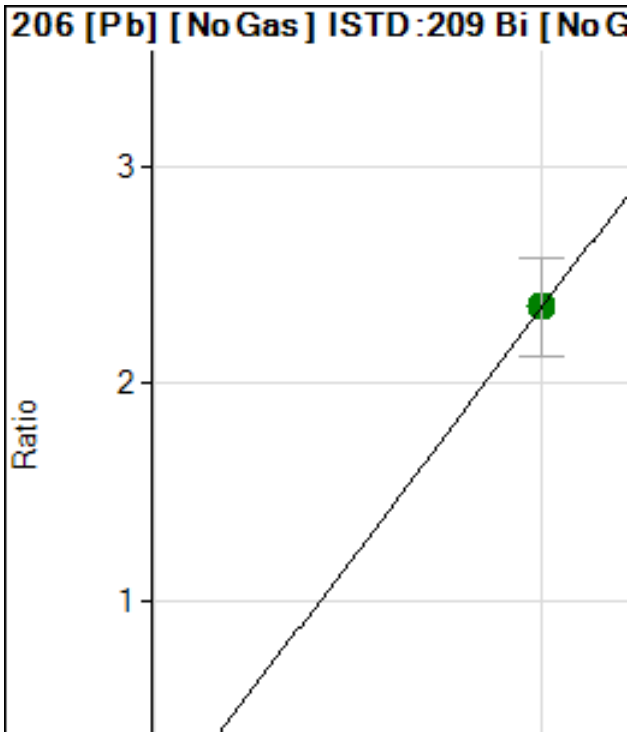
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	377.49	0.000		11	
2	☐	0.025	0.019	670.29	0.000		7.	-22.4
3	☐	0.050	0.047	1110.50	0.000		3.	-6.2
4	☐	0.100	0.096	1857.55	0.000		8.	-4.1
5	☐	0.500	0.447	7481.79	0.003		0.	-10.6
6	☐	1.000	0.927	14864.26	0.006		3.	-7.3
7	☐	10.000	9.440	146626.1	0.067		2.	-5.6
8	☐	50.000	48.547	756809.4	0.344		0.	-2.9
9	☐	100.00	93.788	1482456.	0.665		3.	-6.2
10	☐	1000.0	1000.7	15066333	7.095		1.	0.1
11	☐			1546.05	0.000		4.	

y = 0.0071 * x + 1.7011E-004

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	137.78	0.000		4.	
2	☐	0.025	0.028	400.01	0.000		12	14.0
3	☐	0.050	0.048	624.47	0.000		10	-4.5
4	☐	0.100	0.100	1116.72	0.000		13	-0.2
5	☐	0.500	0.499	4839.80	0.001		11	-0.1
6	☐	1.000	1.030	9490.11	0.002		6.	3.0
7	☐	10.000	10.059	94812.45	0.023		4.	0.6
8	☐	50.000	51.887	488610.3	0.122		9.	3.8
9	☐	100.00	98.334	938621.4	0.231		5.	-1.7
10	☐	1000.0	1000.0	9474817.	2.354		19	0.0
11	☐			417.79	0.000		10	

y = 0.0024 * x + 3.2005E-005

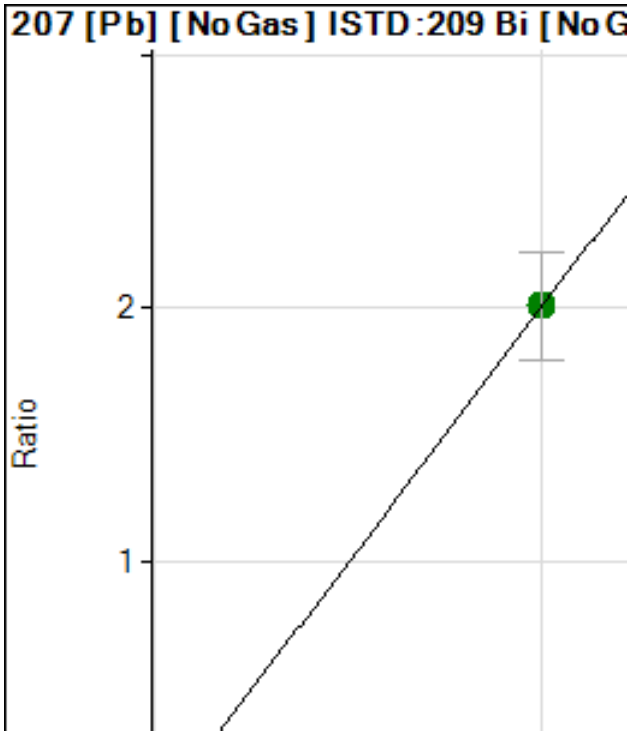
R = 1.0000

DL = 0.002014 ug/l

BEC = 0.01359 ug/l

Weight: 1/y

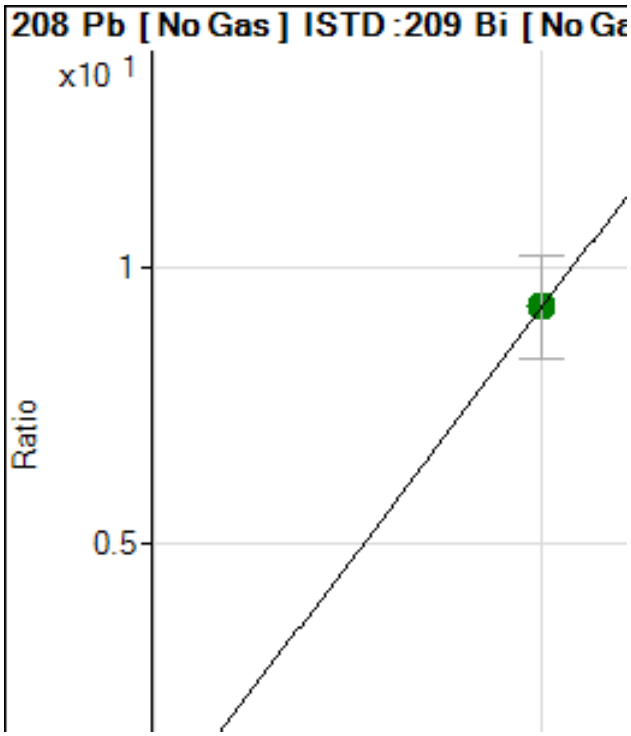
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	116.67	0.000		15	
2	☐	0.025	0.029	341.12	0.000		11	15.2
3	☐	0.050	0.057	615.57	0.000		13	14.6
4	☐	0.100	0.099	943.38	0.000		6.	-1.5
5	☐	0.500	0.494	4080.65	0.001		13	-1.3
6	☐	1.000	1.022	8054.70	0.002		3.	2.2
7	☐	10.000	9.961	80220.67	0.020		4.	-0.4
8	☐	50.000	52.804	424753.2	0.106		9.	5.6
9	☐	100.00	101.16	825524.3	0.203		3.	1.2
10	☐	1000.0	999.74	8071856.	2.010		21	0.0
11	☐			362.23	0.000		18	

y = 0.0020 * x + 2.7084E-005

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	528.89	0.000		7.	
2	☐	0.025	0.029	1558.93	0.000		9.	14.1
3	☐	0.050	0.051	2589.01	0.000		8.	2.4
4	☐	0.100	0.102	4461.44	0.001		4.	1.5
5	☐	0.500	0.492	18814.20	0.004		10	-1.7
6	☐	1.000	1.044	37960.58	0.009		4.	4.4
7	☐	10.000	9.995	371904.7	0.093		4.	0.0
8	☐	50.000	52.082	1935325.	0.484		10	4.2
9	☐	100.00	99.350	3743508.	0.923		4.	-0.6
10	☐	1000.0	999.96	37332142	9.292		20	0.0
11	☐			1668.94	0.000		12	

y = 0.0093 * x + 1.2282E-004

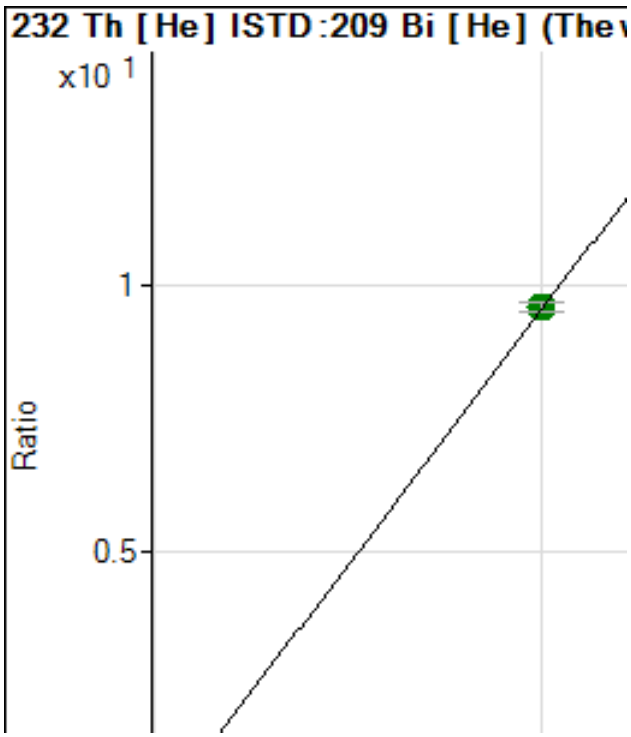
R = 1.0000

DL = 0.0028 ug/l

BEC = 0.01322 ug/l

Weight: 1/y

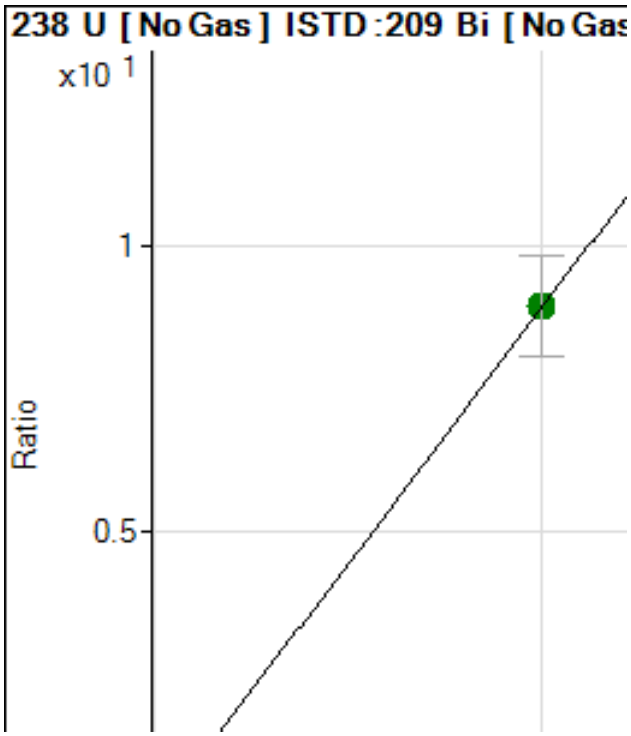
Min Conc: <None>



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	293.46	0.000		5.	
2	☐	0.025	0.015	605.59	0.000		11	-39.1
3	☐	0.050	0.032	975.10	0.000		9.	-35.4
4	☐	0.100	0.066	1679.45	0.000		1.	-33.5
5	☐	0.500	0.364	8101.77	0.003		6.	-27.3
6	☐	1.000	0.820	17611.56	0.008		2.	-18.0
7	☐	10.000	9.129	191391.5	0.087		2.	-8.7
8	☐	50.000	49.543	1042971.	0.474		2.	-0.9
9	☐	100.00	94.149	2010195.	0.902		4.	-5.9
10	☐	1000.0	1000.6	20355171	9.586		2.	0.1
11	☐			5353.93	0.002		3.	

y = 0.0096 * x + 1.3210E-004

R = 1.0000



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	0.000	0.000	13.67	0.000		17	
2	☐	0.025	0.023	853.19	0.000		4.	-6.3
3	☐	0.050	0.048	1861.09	0.000		2.	-4.3
4	☐	0.100	0.098	3667.12	0.000		4.	-2.1
5	☐	0.500	0.475	16981.29	0.004		11	-5.0
6	☐	1.000	0.993	34255.54	0.008		4.	-0.7
7	☐	10.000	9.821	350211.5	0.087		4.	-1.8
8	☐	50.000	50.923	1816361.	0.454		9.	1.8
9	☐	100.00	98.938	3577620.	0.882		4.	-1.1
10	☐	1000.0	1000.0	35868162	8.919		19	0.0
11	☐			1831.10	0.000		18	

y = 0.0089 * x + 3.1727E-006

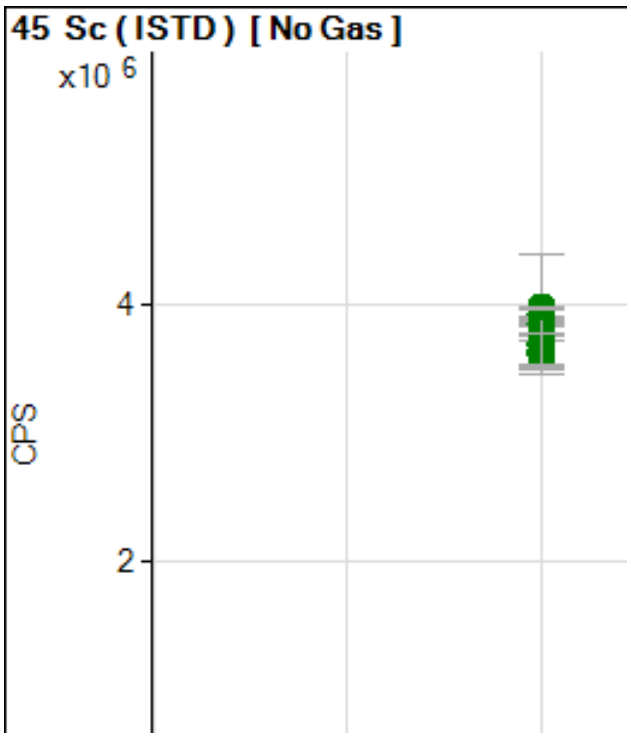
R = 1.0000

DL = 0.0001906 ug/l

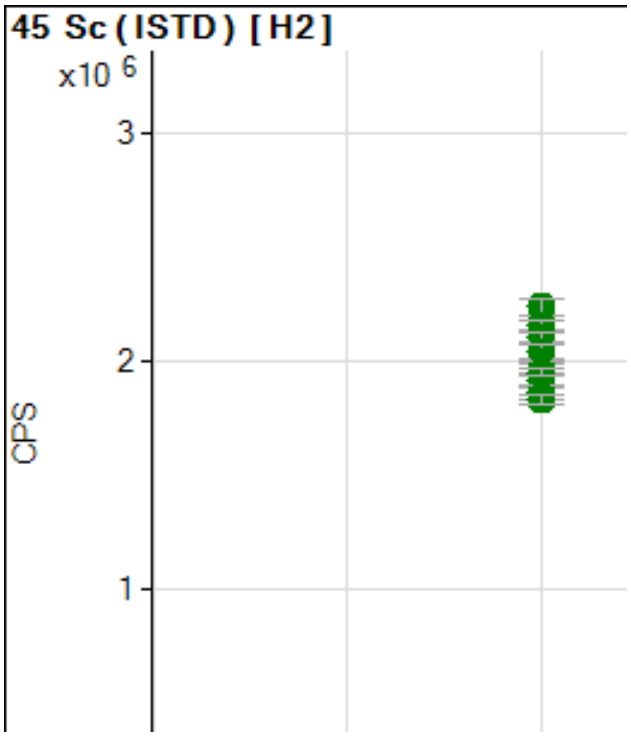
BEC = 0.0003557 ug/l

Weight: 1/y

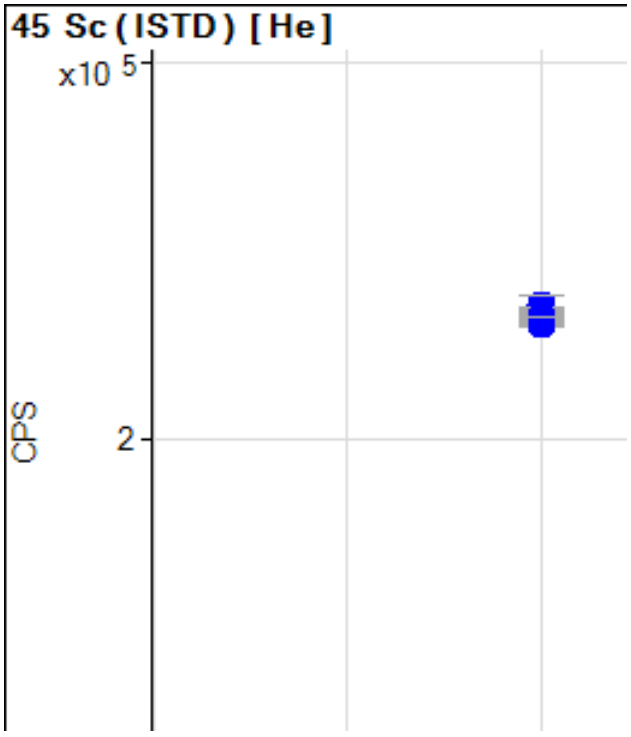
Min Conc: <None>



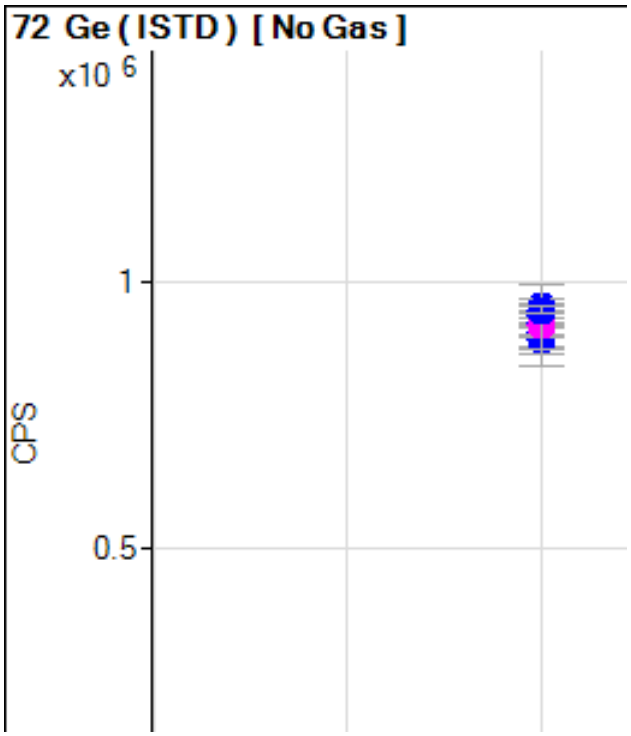
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3857271.			1.	
2	☐	1.000		3677133.			8.	
3	☐	1.000		3921507.			2.	
4	☐	1.000		3927272.			1.	
5	☐	1.000		3644655.			10	
6	☐	1.000		3616480.			7.	
7	☐	1.000		3604547.			5.	
8	☐	1.000		3702375.			9.	
9	☐	1.000		3836119.			3.	
10	☐	1.000		3959384.			21	
11	☐	1.000		3968564.			0.	



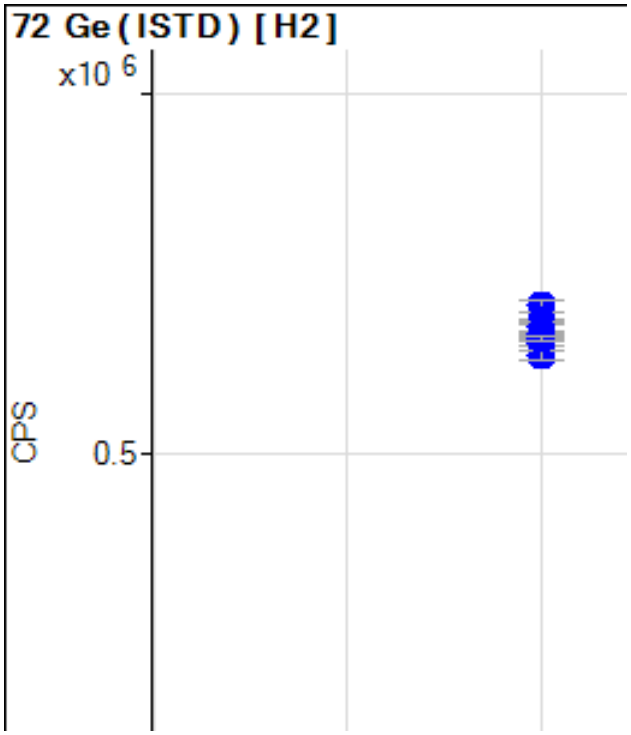
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2240425.			3.	
2	☐	1.000		2162080.			1.	
3	☐	1.000		2105750.			3.	
4	☐	1.000		2106210.			2.	
5	☐	1.000		2041583.			3.	
6	☐	1.000		2002457.			1.	
7	☐	1.000		1970459.			3.	
8	☐	1.000		1918115.			3.	
9	☐	1.000		1864726.			3.	
10	☐	1.000		1832824.			2.	
11	☐	1.000		1952844.			1.	



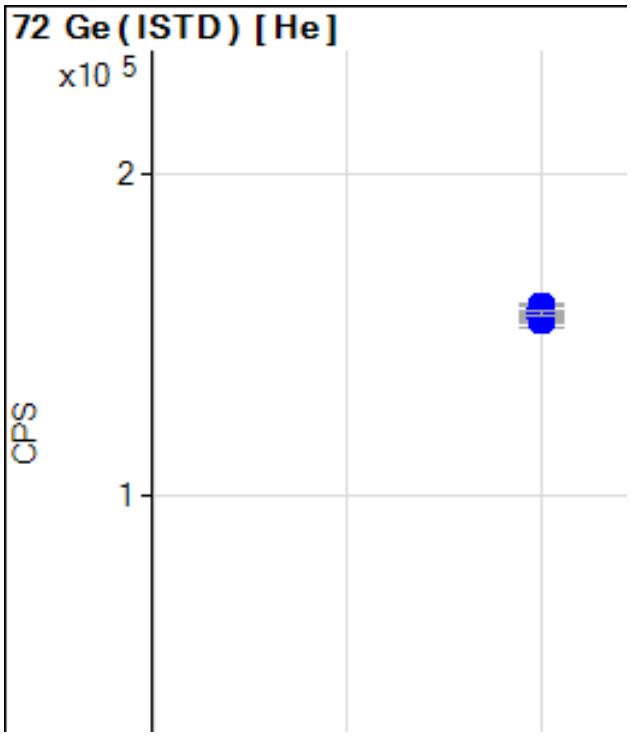
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		264213.2			0.	
2	☐	1.000		261251.5			0.	
3	☐	1.000		261570.8			1.	
4	☐	1.000		261386.4			1.	
5	☐	1.000		261639.1			0.	
6	☐	1.000		264390.4			1.	
7	☐	1.000		262267.2			0.	
8	☐	1.000		266151.7			0.	
9	☐	1.000		270511.7			4.	
10	☐	1.000		269000.0			0.	
11	☐	1.000		264382.6			0.	



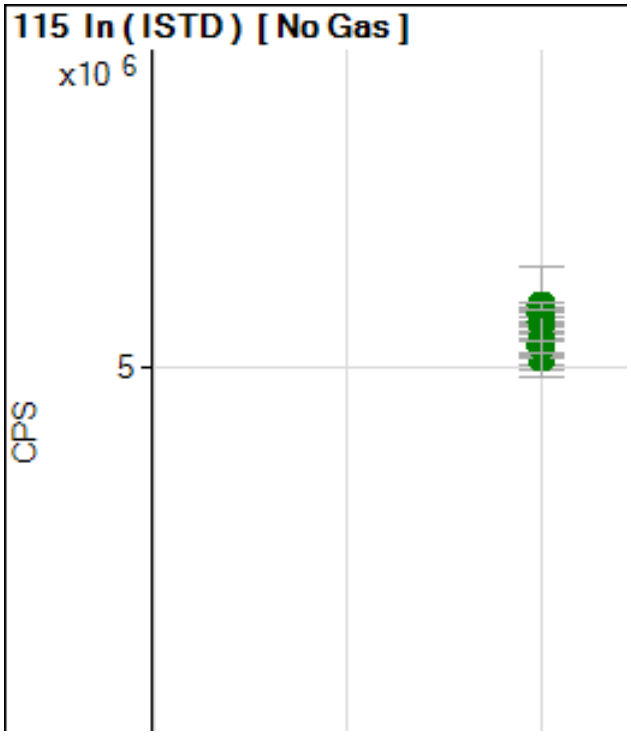
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		952801.0			2.	
2	☐	1.000		904595.5			6.	
3	☐	1.000		936869.3			1.	
4	☐	1.000		944495.2			0.	
5	☐	1.000		892492.4			6.	
6	☐	1.000		901824.3			6.	
7	☐	1.000		904223.6			2.	
8	☐	1.000		923288.2			5.	
9	☐	1.000		939742.5			4.	
10	☐	1.000		916666.6			16	
11	☐	1.000		946645.0			1.	



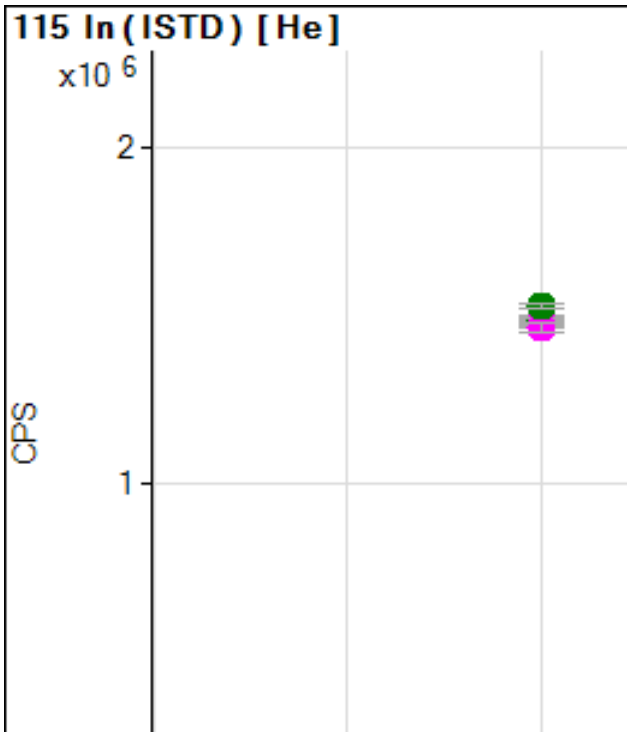
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		705403.8			2.	
2	☐	1.000		688138.5			2.	
3	☐	1.000		683217.3			1.	
4	☐	1.000		684660.3			0.	
5	☐	1.000		676834.3			1.	
6	☐	1.000		669003.5			0.	
7	☐	1.000		663641.5			1.	
8	☐	1.000		667346.1			1.	
9	☐	1.000		653321.0			1.	
10	☐	1.000		635901.9			2.	
11	☐	1.000		660497.1			0.	



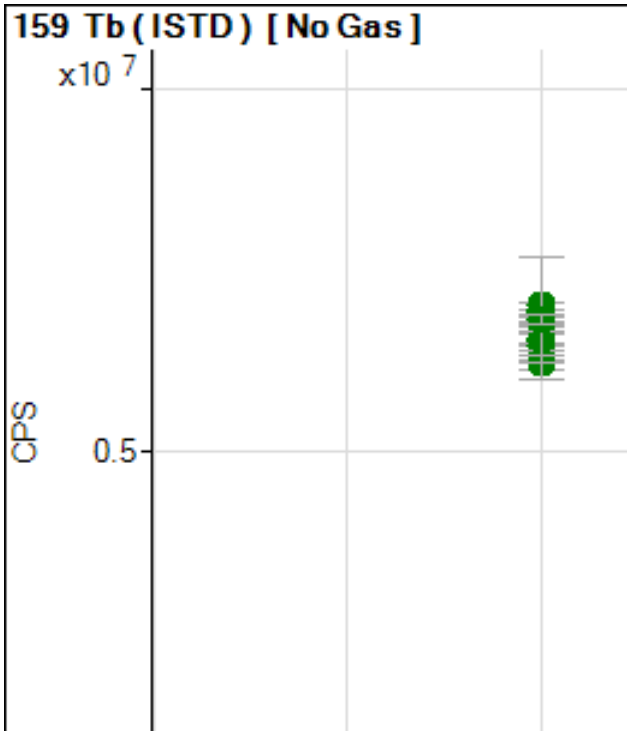
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		157921.0			1.	
2	☐	1.000		155062.9			1.	
3	☐	1.000		154266.5			2.	
4	☐	1.000		154927.0			1.	
5	☐	1.000		154853.6			0.	
6	☐	1.000		155718.9			0.	
7	☐	1.000		155065.4			1.	
8	☐	1.000		157822.0			0.	
9	☐	1.000		158845.4			1.	
10	☐	1.000		158388.0			0.	
11	☐	1.000		156906.7			0.	



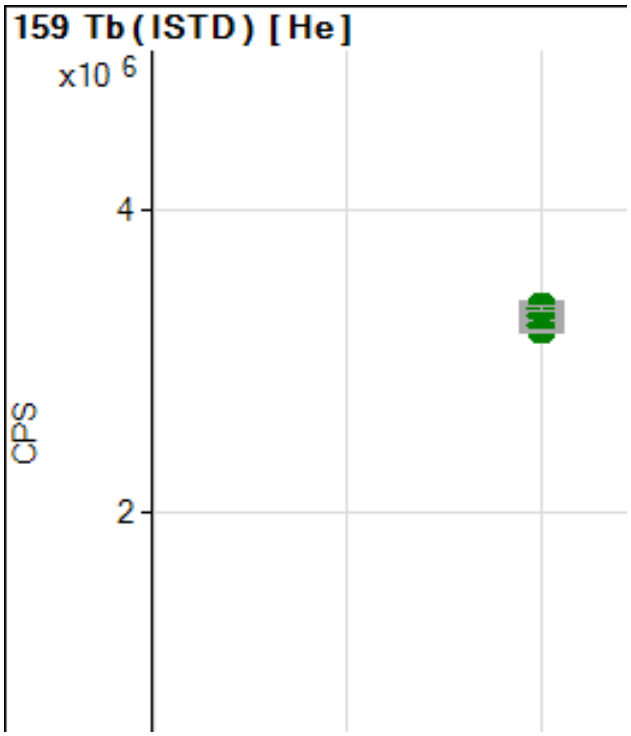
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		5570411.			0.	
2	☐	1.000		5190570.			7.	
3	☐	1.000		5491584.			0.	
4	☐	1.000		5599116.			2.	
5	☐	1.000		5199654.			9.	
6	☐	1.000		5097419.			8.	
7	☐	1.000		5252958.			4.	
8	☐	1.000		5285707.			7.	
9	☐	1.000		5223133.			2.	
10	☐	1.000		5497297.			22	
11	☐	1.000		5675110.			1.	



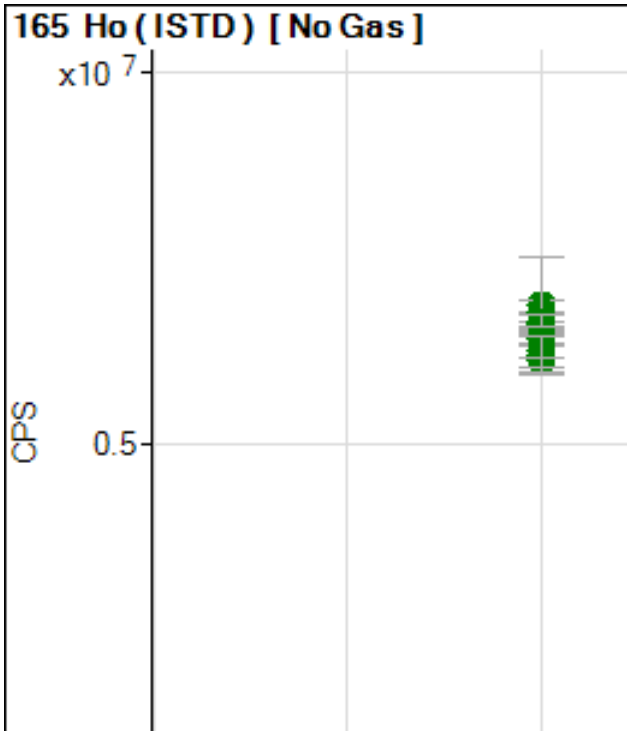
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		1495968.			0.	
2	☐	1.000		1479181.			1.	
3	☐	1.000		1485831.			0.	
4	☐	1.000		1488672.			0.	
5	☐	1.000		1482183.			0.	
6	☐	1.000		1489255.			1.	
7	☐	1.000		1489691.			0.	
8	☐	1.000		1483180.			1.	
9	☐	1.000		1477057.			1.	
10	☐	1.000		1461799.			2.	
11	☐	1.000		1524718.			1.	



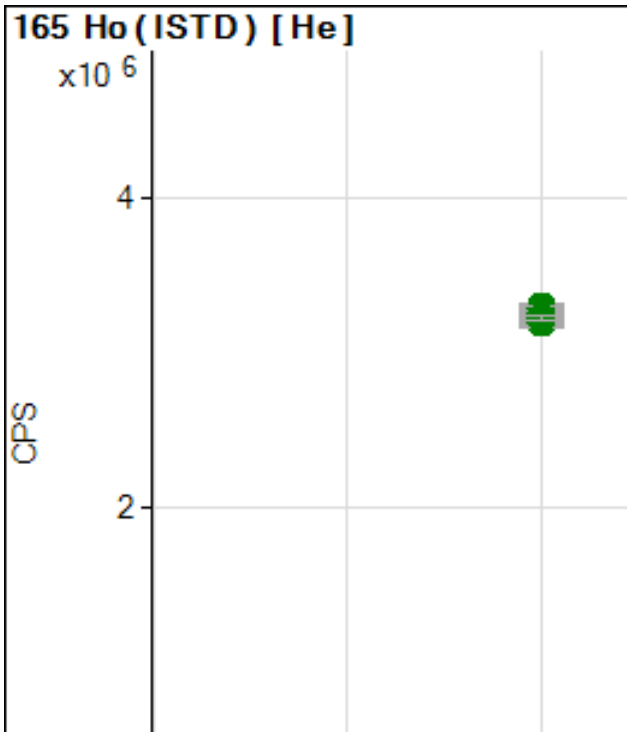
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		7012816.			1.	
2	☐	1.000		6520983.			8.	
3	☐	1.000		6914800.			1.	
4	☐	1.000		6806465.			2.	
5	☐	1.000		6388432.			7.	
6	☐	1.000		6224676.			7.	
7	☐	1.000		6451917.			1.	
8	☐	1.000		6557721.			7.	
9	☐	1.000		6757094.			2.	
10	☐	1.000		6944602.			20	
11	☐	1.000		6825168.			1.	



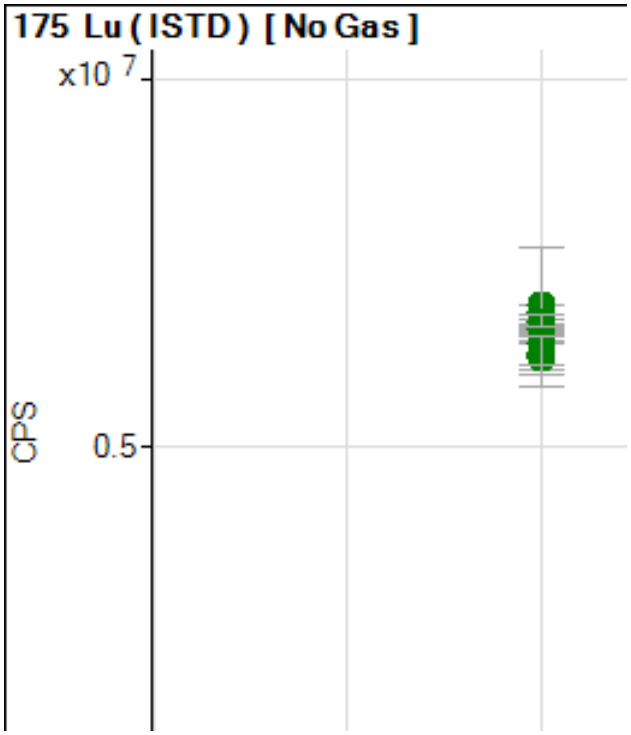
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3358791.			1.	
2	☐	1.000		3223103.			0.	
3	☐	1.000		3241386.			1.	
4	☐	1.000		3261747.			2.	
5	☐	1.000		3259691.			0.	
6	☐	1.000		3204811.			0.	
7	☐	1.000		3295089.			1.	
8	☐	1.000		3317472.			1.	
9	☐	1.000		3304483.			2.	
10	☐	1.000		3360056.			2.	
11	☐	1.000		3344201.			0.	



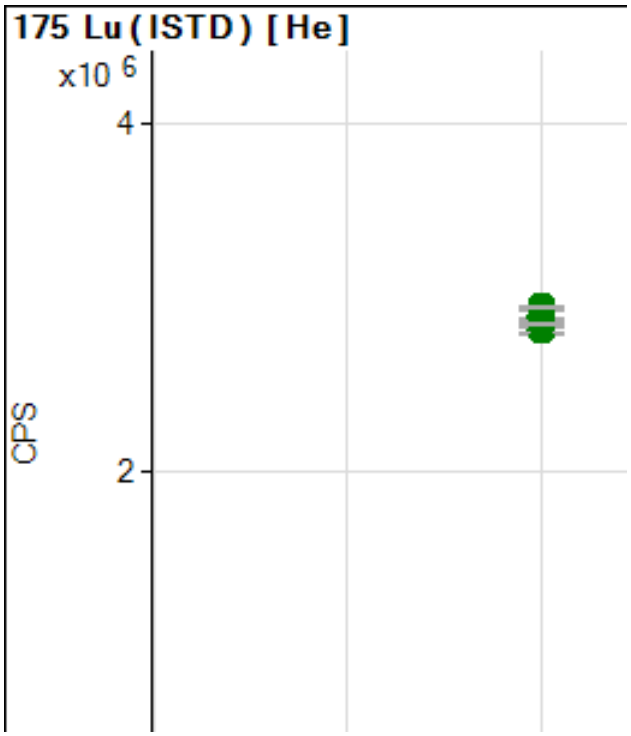
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		6863707.			2.	
2	☐	1.000		6210298.			8.	
3	☐	1.000		6605439.			1.	
4	☐	1.000		6509283.			0.	
5	☐	1.000		6258846.			10	
6	☐	1.000		6143760.			5.	
7	☐	1.000		6195093.			4.	
8	☐	1.000		6417824.			7.	
9	☐	1.000		6589109.			4.	
10	☐	1.000		6772931.			21	
11	☐	1.000		6655709.			2.	



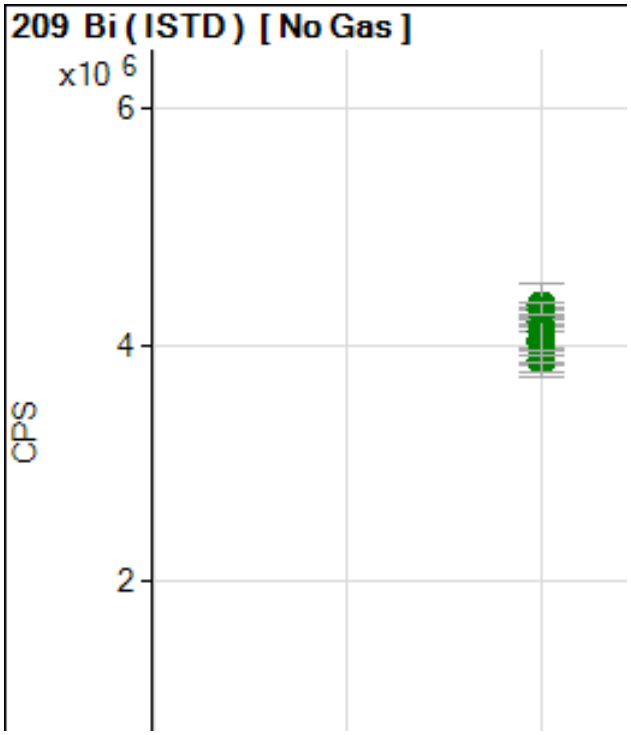
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		3270471.			2.	
2	☐	1.000		3230908.			2.	
3	☐	1.000		3232599.			1.	
4	☐	1.000		3245640.			1.	
5	☐	1.000		3184601.			1.	
6	☐	1.000		3192182.			2.	
7	☐	1.000		3229327.			0.	
8	☐	1.000		3288595.			0.	
9	☐	1.000		3292151.			1.	
10	☐	1.000		3275896.			0.	
11	☐	1.000		3222898.			0.	



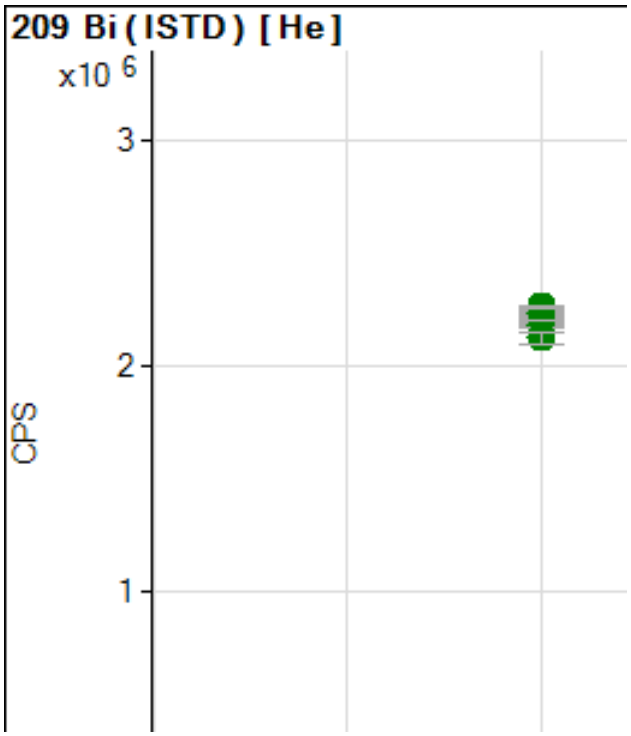
	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		6840550.			2.	
2	☐	1.000		6236913.			6.	
3	☐	1.000		6548028.			1.	
4	☐	1.000		6590265.			1.	
5	☐	1.000		6216424.			12	
6	☐	1.000		6197148.			7.	
7	☐	1.000		6269379.			5.	
8	☐	1.000		6398394.			8.	
9	☐	1.000		6615749.			3.	
10	☐	1.000		6916159.			22	
11	☐	1.000		6709005.			2.	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2853023.			1.	
2	☐	1.000		2807250.			1.	
3	☐	1.000		2845390.			1.	
4	☐	1.000		2842948.			0.	
5	☐	1.000		2837040.			0.	
6	☐	1.000		2829906.			1.	
7	☐	1.000		2850709.			1.	
8	☐	1.000		2876400.			3.	
9	☐	1.000		2894970.			3.	
10	☐	1.000		2946052.			0.	
11	☐	1.000		2849549.			0.	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		4304831.			0.	
2	☐	1.000		4032452.			6.	
3	☐	1.000		4330434.			1.	
4	☐	1.000		4187495.			2.	
5	☐	1.000		4037259.			10	
6	☐	1.000		3871647.			5.	
7	☐	1.000		4004536.			5.	
8	☐	1.000		4022298.			9.	
9	☐	1.000		4060895.			5.	
10	☐	1.000		4123372.			18	
11	☐	1.000		4305623.			2.	



	Rjct	Conc.	Calc Conc.	CPS	Ratio	Det.	RSD	%RE
1	☐	1.000		2221377.			2.	
2	☐	1.000		2182069.			3.	
3	☐	1.000		2209812.			0.	
4	☐	1.000		2184235.			1.	
5	☐	1.000		2241075.			0.	
6	☐	1.000		2204544.			1.	
7	☐	1.000		2186150.			2.	
8	☐	1.000		2197766.			2.	
9	☐	1.000		2230330.			2.	
10	☐	1.000		2124030.			2.	
11	☐	1.000		2262803.			0.	

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	001BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 11:20:43
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas		ug/l	37352.65
Be	9	45	1	No Gas		ug/l	1023.16
B	11	45	1	No Gas		ug/l	3651.91
Na	23	45	3	He		ug/l	54899.89
Mg	24	45	3	He		ug/l	4385.32
Al	27	45	1	No Gas		ug/l	43795.36
Si	28	45	2	H2		ug/l	29194.06
K	39	72	3	He		ug/l	130208.85
Ca	40	72	2	H2		ug/l	255022.46
Ti	47	72	1	No Gas		ug/l	553.90
V	51	72	1	No Gas		ug/l	-119157.79
V	51	72	3	He		ug/l	33916.78
Cr	52	72	1	No Gas		ug/l	121051.36
Cr	52	72	3	He		ug/l	1727.89
Mn	55	72	1	No Gas		ug/l	14971.30
Mn	55	72	3	He		ug/l	390.60
Fe	56	72	2	H2		ug/l	31905.14
Fe	56	72	3	He		ug/l	13307.78
Co	59	72	1	No Gas		ug/l	991.40
Ni	60	72	1	No Gas		ug/l	1826.50
Ni	60	72	3	He		ug/l	524.45
Cu	63	72	1	No Gas		ug/l	4738.68
Cu	63	72	3	He		ug/l	871.19
Cu	65	72	1	No Gas		ug/l	1912.90
Zn	66	72	1	No Gas		ug/l	20996.83
Zn	66	72	3	He		ug/l	4302.89
As	75	72	1	No Gas		ug/l	17834.30
As	75	72	3	He		ug/l	635.20
Se	78	72	2	H2		ug/l	87.22
Br	79	72	1	No Gas		ug/l	4119.10
Br	79	72	2	H2		ug/l	2887.91
Se	82	72	1	No Gas		ug/l	946.24
Kr	84	72	1	No Gas		ug/l	23942.42
Sr	88	72	1	No Gas		ug/l	3892.84
Sr	88	72	3	He		ug/l	704.47
Mo	95	115	1	No Gas		ug/l	643.35
Mo	95	115	3	He		ug/l	260.00
Mo	98	115	1	No Gas		ug/l	1032.14
Ag	107	115	1	No Gas		ug/l	1654.76
Ag	109	115	1	No Gas		ug/l	1548.04
Cd	111	115	1	No Gas		ug/l	235.00

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He		ug/l	65.44
Cd	114	115	1	No Gas		ug/l	356.33
Cd	114	115	3	He		ug/l	159.32
Sn	118	115	1	No Gas		ug/l	2774.79
Sn	118	115	3	He		ug/l	700.02
Sb	121	115	1	No Gas		ug/l	1521.91
Sb	121	115	3	He		ug/l	457.72
Sb	123	115	1	No Gas		ug/l	1216.85
Sb	123	115	3	He		ug/l	340.04
Ba	135	115	1	No Gas		ug/l	136.39
Ba	137	115	1	No Gas		ug/l	209.59
La	139	115	3	He		ug/l	85.56
Ce	140	115	3	He		ug/l	116.67
Hg	201	209	1	No Gas		ug/l	87.65
Hg	202	209	1	No Gas		ug/l	227.96
Hg	202	209	3	He		ug/l	111.65
Tl	203	209	3	He		ug/l	2236.42
Tl	205	209	1	No Gas		ug/l	15346.76
Tl	205	209	3	He		ug/l	5336.55
[Pb]	206	209	1	No Gas		ug/l	765.58
[Pb]	207	209	1	No Gas		ug/l	632.24
Pb	208	209	1	No Gas		ug/l	2935.70
Th	232	209	3	He		ug/l	4290.43
U	238	209	1	No Gas		ug/l	288.95

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3811366.84	
Sc	45	2	H2	2583804.30	
Sc	45	3	He	244547.47	
Ge	72	1	No Gas	905949.16	
Ge	72	2	H2	730943.63	
Ge	72	3	He	151156.62	
In	115	1	No Gas	5801724.66	
In	115	3	He	1491045.88	
Tb	159	1	No Gas	6892410.03	
Tb	159	3	He	3464396.04	
Ho	165	1	No Gas	6661988.84	
Ho	165	3	He	3368799.62	
Lu	175	1	No Gas	6724889.71	
Lu	175	3	He	2950796.01	
Bi	209	1	No Gas	5067763.53	
Bi	209	3	He	2498145.67	

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	002BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 11:26:57
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas		ug/l	21619.31
Be	9	45	1	No Gas		ug/l	798.20
B	11	45	1	No Gas		ug/l	2282.43
Na	23	45	3	He		ug/l	39069.44
Mg	24	45	3	He		ug/l	1430.57
Al	27	45	1	No Gas		ug/l	24619.07
Si	28	45	2	H2		ug/l	24965.39
K	39	72	3	He		ug/l	125554.15
Ca	40	72	2	H2		ug/l	174907.83
Ti	47	72	1	No Gas		ug/l	595.65
V	51	72	1	No Gas		ug/l	-198575.98
V	51	72	3	He		ug/l	37956.58
Cr	52	72	1	No Gas		ug/l	132584.07
Cr	52	72	3	He		ug/l	1713.44
Mn	55	72	1	No Gas		ug/l	13642.60
Mn	55	72	3	He		ug/l	194.29
Fe	56	72	2	H2		ug/l	12524.61
Fe	56	72	3	He		ug/l	7389.31
Co	59	72	1	No Gas		ug/l	622.12
Ni	60	72	1	No Gas		ug/l	891.59
Ni	60	72	3	He		ug/l	203.34
Cu	63	72	1	No Gas		ug/l	2965.50
Cu	63	72	3	He		ug/l	519.90
Cu	65	72	1	No Gas		ug/l	1435.98
Zn	66	72	1	No Gas		ug/l	8795.02
Zn	66	72	3	He		ug/l	1799.01
As	75	72	1	No Gas		ug/l	22263.22
As	75	72	3	He		ug/l	745.33
Se	78	72	2	H2		ug/l	67.11
Br	79	72	1	No Gas		ug/l	5480.20
Br	79	72	2	H2		ug/l	3799.66
Se	82	72	1	No Gas		ug/l	1032.91
Kr	84	72	1	No Gas		ug/l	26221.80
Sr	88	72	1	No Gas		ug/l	652.06
Sr	88	72	3	He		ug/l	190.00
Mo	95	115	1	No Gas		ug/l	168.89
Mo	95	115	3	He		ug/l	71.11
Mo	98	115	1	No Gas		ug/l	258.35
Ag	107	115	1	No Gas		ug/l	1463.34
Ag	109	115	1	No Gas		ug/l	1409.31
Cd	111	115	1	No Gas		ug/l	59.17

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He		ug/l	18.89
Cd	114	115	1	No Gas		ug/l	-19.54
Cd	114	115	3	He		ug/l	36.44
Sn	118	115	1	No Gas		ug/l	1397.30
Sn	118	115	3	He		ug/l	432.23
Sb	121	115	1	No Gas		ug/l	607.08
Sb	121	115	3	He		ug/l	236.69
Sb	123	115	1	No Gas		ug/l	452.05
Sb	123	115	3	He		ug/l	198.02
Ba	135	115	1	No Gas		ug/l	53.23
Ba	137	115	1	No Gas		ug/l	116.44
La	139	115	3	He		ug/l	7.78
Ce	140	115	3	He		ug/l	7.78
Hg	201	209	1	No Gas		ug/l	55.66
Hg	202	209	1	No Gas		ug/l	126.98
Hg	202	209	3	He		ug/l	77.65
Tl	203	209	3	He		ug/l	707.64
Tl	205	209	1	No Gas		ug/l	3548.27
Tl	205	209	3	He		ug/l	1544.04
[Pb]	206	209	1	No Gas		ug/l	306.67
[Pb]	207	209	1	No Gas		ug/l	246.67
Pb	208	209	1	No Gas		ug/l	1172.26
Th	232	209	3	He		ug/l	1307.93
U	238	209	1	No Gas		ug/l	11.00

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3844949.32	
Sc	45	2	H2	2583419.04	
Sc	45	3	He	253491.39	
Ge	72	1	No Gas	890674.21	
Ge	72	2	H2	748060.52	
Ge	72	3	He	152244.44	
In	115	1	No Gas	5714498.85	
In	115	3	He	1492014.12	
Tb	159	1	No Gas	6693044.74	
Tb	159	3	He	3356017.23	
Ho	165	1	No Gas	6515598.65	
Ho	165	3	He	3374975.27	
Lu	175	1	No Gas	6529655.10	
Lu	175	3	He	2987487.69	
Bi	209	1	No Gas	4843307.52	
Bi	209	3	He	2449583.24	

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	003BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 11:33:10
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas		ug/l	18444.52
Be	9	45	1	No Gas		ug/l	760.54
B	11	45	1	No Gas		ug/l	2010.28
Na	23	45	3	He		ug/l	39228.71
Mg	24	45	3	He		ug/l	1277.52
Al	27	45	1	No Gas		ug/l	23295.88
Si	28	45	2	H2		ug/l	25350.26
K	39	72	3	He		ug/l	130711.93
Ca	40	72	2	H2		ug/l	172148.93
Ti	47	72	1	No Gas		ug/l	555.57
V	51	72	1	No Gas		ug/l	-160588.18
V	51	72	3	He		ug/l	39007.02
Cr	52	72	1	No Gas		ug/l	134170.72
Cr	52	72	3	He		ug/l	1814.57
Mn	55	72	1	No Gas		ug/l	13622.67
Mn	55	72	3	He		ug/l	186.96
Fe	56	72	2	H2		ug/l	11491.07
Fe	56	72	3	He		ug/l	7619.67
Co	59	72	1	No Gas		ug/l	562.23
Ni	60	72	1	No Gas		ug/l	835.04
Ni	60	72	3	He		ug/l	185.56
Cu	63	72	1	No Gas		ug/l	2596.61
Cu	63	72	3	He		ug/l	502.91
Cu	65	72	1	No Gas		ug/l	1307.25
Zn	66	72	1	No Gas		ug/l	6225.54
Zn	66	72	3	He		ug/l	1315.62
As	75	72	1	No Gas		ug/l	12680.09
As	75	72	3	He		ug/l	812.28
Se	78	72	2	H2		ug/l	62.78
Br	79	72	1	No Gas		ug/l	6212.38
Br	79	72	2	H2		ug/l	3859.57
Se	82	72	1	No Gas		ug/l	923.03
Kr	84	72	1	No Gas		ug/l	26531.72
Sr	88	72	1	No Gas		ug/l	718.60
Sr	88	72	3	He		ug/l	198.89
Mo	95	115	1	No Gas		ug/l	217.78
Mo	95	115	3	He		ug/l	70.00
Mo	98	115	1	No Gas		ug/l	344.94
Ag	107	115	1	No Gas		ug/l	1405.97
Ag	109	115	1	No Gas		ug/l	1408.64
Cd	111	115	1	No Gas		ug/l	47.30

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He		ug/l	13.67
Cd	114	115	1	No Gas		ug/l	-60.52
Cd	114	115	3	He		ug/l	25.36
Sn	118	115	1	No Gas		ug/l	1097.87
Sn	118	115	3	He		ug/l	418.90
Sb	121	115	1	No Gas		ug/l	500.39
Sb	121	115	3	He		ug/l	194.69
Sb	123	115	1	No Gas		ug/l	362.37
Sb	123	115	3	He		ug/l	145.35
Ba	135	115	1	No Gas		ug/l	53.23
Ba	137	115	1	No Gas		ug/l	106.46
La	139	115	3	He		ug/l	14.44
Ce	140	115	3	He		ug/l	13.33
Hg	201	209	1	No Gas		ug/l	43.32
Hg	202	209	1	No Gas		ug/l	101.65
Hg	202	209	3	He		ug/l	63.99
Tl	203	209	3	He		ug/l	424.18
Tl	205	209	1	No Gas		ug/l	1965.72
Tl	205	209	3	He		ug/l	971.76
[Pb]	206	209	1	No Gas		ug/l	207.78
[Pb]	207	209	1	No Gas		ug/l	190.00
Pb	208	209	1	No Gas		ug/l	871.13
Th	232	209	3	He		ug/l	1121.84
U	238	209	1	No Gas		ug/l	15.33

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	4081545.14	
Sc	45	2	H2	2524930.73	
Sc	45	3	He	259151.85	
Ge	72	1	No Gas	965732.20	
Ge	72	2	H2	734849.73	
Ge	72	3	He	155821.67	
In	115	1	No Gas	6042665.82	
In	115	3	He	1502479.67	
Tb	159	1	No Gas	7012415.35	
Tb	159	3	He	3340515.53	
Ho	165	1	No Gas	6648372.41	
Ho	165	3	He	3317816.82	
Lu	175	1	No Gas	6671751.36	
Lu	175	3	He	2940644.11	
Bi	209	1	No Gas	5030480.70	
Bi	209	3	He	2375088.46	

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	004BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 11:39:23
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas		ug/l	16168.39
Be	9	45	1	No Gas		ug/l	684.55
B	11	45	1	No Gas		ug/l	1812.84
Na	23	45	3	He		ug/l	40344.99
Mg	24	45	3	He		ug/l	1423.92
Al	27	45	1	No Gas		ug/l	21686.80
Si	28	45	2	H2		ug/l	21330.36
K	39	72	3	He		ug/l	133359.40
Ca	40	72	2	H2		ug/l	169758.19
Ti	47	72	1	No Gas		ug/l	505.52
V	51	72	1	No Gas		ug/l	-140318.55
V	51	72	3	He		ug/l	39141.94
Cr	52	72	1	No Gas		ug/l	132765.87
Cr	52	72	3	He		ug/l	1741.22
Mn	55	72	1	No Gas		ug/l	13246.38
Mn	55	72	3	He		ug/l	192.30
Fe	56	72	2	H2		ug/l	11442.66
Fe	56	72	3	He		ug/l	7651.38
Co	59	72	1	No Gas		ug/l	512.33
Ni	60	72	1	No Gas		ug/l	901.58
Ni	60	72	3	He		ug/l	165.56
Cu	63	72	1	No Gas		ug/l	2267.76
Cu	63	72	3	He		ug/l	528.57
Cu	65	72	1	No Gas		ug/l	1295.25
Zn	66	72	1	No Gas		ug/l	4435.06
Zn	66	72	3	He		ug/l	1022.27
As	75	72	1	No Gas		ug/l	25328.24
As	75	72	3	He		ug/l	822.28
Se	78	72	2	H2		ug/l	56.22
Br	79	72	1	No Gas		ug/l	6548.52
Br	79	72	2	H2		ug/l	4215.62
Se	82	72	1	No Gas		ug/l	967.17
Kr	84	72	1	No Gas		ug/l	27035.08
Sr	88	72	1	No Gas		ug/l	588.85
Sr	88	72	3	He		ug/l	208.89
Mo	95	115	1	No Gas		ug/l	107.78
Mo	95	115	3	He		ug/l	56.67
Mo	98	115	1	No Gas		ug/l	190.50
Ag	107	115	1	No Gas		ug/l	1494.01
Ag	109	115	1	No Gas		ug/l	1454.00
Cd	111	115	1	No Gas		ug/l	13.27

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He		ug/l	8.33
Cd	114	115	1	No Gas		ug/l	-112.94
Cd	114	115	3	He		ug/l	18.76
Sn	118	115	1	No Gas		ug/l	1154.43
Sn	118	115	3	He		ug/l	371.12
Sb	121	115	1	No Gas		ug/l	424.72
Sb	121	115	3	He		ug/l	150.68
Sb	123	115	1	No Gas		ug/l	317.70
Sb	123	115	3	He		ug/l	114.01
Ba	135	115	1	No Gas		ug/l	46.57
Ba	137	115	1	No Gas		ug/l	93.15
La	139	115	3	He		ug/l	3.33
Ce	140	115	3	He		ug/l	12.22
Hg	201	209	1	No Gas		ug/l	45.32
Hg	202	209	1	No Gas		ug/l	104.65
Hg	202	209	3	He		ug/l	51.99
Tl	203	209	3	He		ug/l	292.12
Tl	205	209	1	No Gas		ug/l	1346.75
Tl	205	209	3	He		ug/l	734.98
[Pb]	206	209	1	No Gas		ug/l	190.00
[Pb]	207	209	1	No Gas		ug/l	194.45
Pb	208	209	1	No Gas		ug/l	758.90
Th	232	209	3	He		ug/l	656.95
U	238	209	1	No Gas		ug/l	16.33

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3750246.09	
Sc	45	2	H2	2479660.89	
Sc	45	3	He	261643.45	
Ge	72	1	No Gas	924438.72	
Ge	72	2	H2	718954.32	
Ge	72	3	He	154885.88	
In	115	1	No Gas	5462371.01	
In	115	3	He	1506533.98	
Tb	159	1	No Gas	6365229.69	
Tb	159	3	He	3291182.21	
Ho	165	1	No Gas	6238294.01	
Ho	165	3	He	3242756.39	
Lu	175	1	No Gas	6196895.32	
Lu	175	3	He	2889871.88	
Bi	209	1	No Gas	4554450.58	
Bi	209	3	He	2351248.39	

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	005BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 11:45:36
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas		ug/l	13893.91
Be	9	45	1	No Gas		ug/l	629.22
B	11	45	1	No Gas		ug/l	1608.73
Na	23	45	3	He		ug/l	40699.29
Mg	24	45	3	He		ug/l	1497.11
Al	27	45	1	No Gas		ug/l	20501.82
Si	28	45	2	H2		ug/l	20315.88
K	39	72	3	He		ug/l	134896.90
Ca	40	72	2	H2		ug/l	170275.00
Ti	47	72	1	No Gas		ug/l	462.14
V	51	72	1	No Gas		ug/l	-119904.34
V	51	72	3	He		ug/l	38911.29
Cr	52	72	1	No Gas		ug/l	133331.17
Cr	52	72	3	He		ug/l	1870.13
Mn	55	72	1	No Gas		ug/l	12890.11
Mn	55	72	3	He		ug/l	186.63
Fe	56	72	2	H2		ug/l	10971.80
Fe	56	72	3	He		ug/l	7564.56
Co	59	72	1	No Gas		ug/l	535.62
Ni	60	72	1	No Gas		ug/l	868.31
Ni	60	72	3	He		ug/l	165.56
Cu	63	72	1	No Gas		ug/l	2126.35
Cu	63	72	3	He		ug/l	491.91
Cu	65	72	1	No Gas		ug/l	1198.53
Zn	66	72	1	No Gas		ug/l	3842.58
Zn	66	72	3	He		ug/l	805.59
As	75	72	1	No Gas		ug/l	19946.54
As	75	72	3	He		ug/l	842.14
Se	78	72	2	H2		ug/l	52.78
Br	79	72	1	No Gas		ug/l	6674.97
Br	79	72	2	H2		ug/l	4198.97
Se	82	72	1	No Gas		ug/l	1019.58
Kr	84	72	1	No Gas		ug/l	25838.50
Sr	88	72	1	No Gas		ug/l	655.39
Sr	88	72	3	He		ug/l	193.34
Mo	95	115	1	No Gas		ug/l	103.34
Mo	95	115	3	He		ug/l	42.22
Mo	98	115	1	No Gas		ug/l	166.47
Ag	107	115	1	No Gas		ug/l	1437.32
Ag	109	115	1	No Gas		ug/l	1440.65
Cd	111	115	1	No Gas		ug/l	33.02

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He		ug/l	6.67
Cd	114	115	1	No Gas		ug/l	-94.06
Cd	114	115	3	He		ug/l	14.78
Sn	118	115	1	No Gas		ug/l	1294.17
Sn	118	115	3	He		ug/l	345.56
Sb	121	115	1	No Gas		ug/l	385.38
Sb	121	115	3	He		ug/l	142.35
Sb	123	115	1	No Gas		ug/l	294.70
Sb	123	115	3	He		ug/l	103.68
Ba	135	115	1	No Gas		ug/l	29.94
Ba	137	115	1	No Gas		ug/l	113.11
La	139	115	3	He		ug/l	5.55
Ce	140	115	3	He		ug/l	8.89
Hg	201	209	1	No Gas		ug/l	34.66
Hg	202	209	1	No Gas		ug/l	91.65
Hg	202	209	3	He		ug/l	46.99
Tl	203	209	3	He		ug/l	242.77
Tl	205	209	1	No Gas		ug/l	1042.27
Tl	205	209	3	He		ug/l	549.57
[Pb]	206	209	1	No Gas		ug/l	196.67
[Pb]	207	209	1	No Gas		ug/l	118.89
Pb	208	209	1	No Gas		ug/l	661.12
Th	232	209	3	He		ug/l	531.56
U	238	209	1	No Gas		ug/l	19.33

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3879353.19	
Sc	45	2	H2	2417037.11	
Sc	45	3	He	261499.86	
Ge	72	1	No Gas	927334.69	
Ge	72	2	H2	719990.18	
Ge	72	3	He	156213.20	
In	115	1	No Gas	5728732.04	
In	115	3	He	1498246.17	
Tb	159	1	No Gas	6595651.20	
Tb	159	3	He	3346941.62	
Ho	165	1	No Gas	6283150.17	
Ho	165	3	He	3290863.95	
Lu	175	1	No Gas	6246922.07	
Lu	175	3	He	2865448.79	
Bi	209	1	No Gas	4650086.83	
Bi	209	3	He	2347205.55	

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	006BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 11:51:49
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas		ug/l	12986.76
Be	9	45	1	No Gas		ug/l	608.23
B	11	45	1	No Gas		ug/l	1518.02
Na	23	45	3	He		ug/l	41345.46
Mg	24	45	3	He		ug/l	1300.81
Al	27	45	1	No Gas		ug/l	19320.23
Si	28	45	2	H2		ug/l	19477.11
K	39	72	3	He		ug/l	136536.01
Ca	40	72	2	H2		ug/l	169709.36
Ti	47	72	1	No Gas		ug/l	447.13
V	51	72	1	No Gas		ug/l	-115531.30
V	51	72	3	He		ug/l	39261.13
Cr	52	72	1	No Gas		ug/l	130314.25
Cr	52	72	3	He		ug/l	1872.35
Mn	55	72	1	No Gas		ug/l	12623.76
Mn	55	72	3	He		ug/l	197.63
Fe	56	72	2	H2		ug/l	11073.68
Fe	56	72	3	He		ug/l	7504.48
Co	59	72	1	No Gas		ug/l	538.94
Ni	60	72	1	No Gas		ug/l	908.23
Ni	60	72	3	He		ug/l	174.45
Cu	63	72	1	No Gas		ug/l	2027.63
Cu	63	72	3	He		ug/l	513.57
Cu	65	72	1	No Gas		ug/l	1135.17
Zn	66	72	1	No Gas		ug/l	3240.29
Zn	66	72	3	He		ug/l	790.03
As	75	72	1	No Gas		ug/l	17304.79
As	75	72	3	He		ug/l	838.68
Se	78	72	2	H2		ug/l	50.11
Br	79	72	1	No Gas		ug/l	6848.08
Br	79	72	2	H2		ug/l	4531.75
Se	82	72	1	No Gas		ug/l	943.18
Kr	84	72	1	No Gas		ug/l	25508.58
Sr	88	72	1	No Gas		ug/l	602.16
Sr	88	72	3	He		ug/l	208.89
Mo	95	115	1	No Gas		ug/l	103.33
Mo	95	115	3	He		ug/l	40.00
Mo	98	115	1	No Gas		ug/l	139.74
Ag	107	115	1	No Gas		ug/l	1468.00
Ag	109	115	1	No Gas		ug/l	1347.94
Cd	111	115	1	No Gas		ug/l	-0.05

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He		ug/l	5.33
Cd	114	115	1	No Gas		ug/l	-129.93
Cd	114	115	3	He		ug/l	8.61
Sn	118	115	1	No Gas		ug/l	1134.47
Sn	118	115	3	He		ug/l	388.90
Sb	121	115	1	No Gas		ug/l	362.04
Sb	121	115	3	He		ug/l	127.01
Sb	123	115	1	No Gas		ug/l	292.70
Sb	123	115	3	He		ug/l	95.01
Ba	135	115	1	No Gas		ug/l	43.25
Ba	137	115	1	No Gas		ug/l	73.19
La	139	115	3	He		ug/l	12.22
Ce	140	115	3	He		ug/l	17.78
Hg	201	209	1	No Gas		ug/l	39.99
Hg	202	209	1	No Gas		ug/l	83.32
Hg	202	209	3	He		ug/l	47.99
Tl	203	209	3	He		ug/l	225.43
Tl	205	209	1	No Gas		ug/l	847.81
Tl	205	209	3	He		ug/l	491.54
[Pb]	206	209	1	No Gas		ug/l	141.11
[Pb]	207	209	1	No Gas		ug/l	148.89
Pb	208	209	1	No Gas		ug/l	615.57
Th	232	209	3	He		ug/l	500.88
U	238	209	1	No Gas		ug/l	19.67

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3866835.75	
Sc	45	2	H2	2397964.78	
Sc	45	3	He	262224.24	
Ge	72	1	No Gas	928468.36	
Ge	72	2	H2	716425.82	
Ge	72	3	He	155074.03	
In	115	1	No Gas	5681872.69	
In	115	3	He	1478244.76	
Tb	159	1	No Gas	6534449.01	
Tb	159	3	He	3307485.70	
Ho	165	1	No Gas	6337213.14	
Ho	165	3	He	3270313.06	
Lu	175	1	No Gas	6357528.35	
Lu	175	3	He	2910330.85	
Bi	209	1	No Gas	4722885.68	
Bi	209	3	He	2293521.15	

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	007BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 11:58:03
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas		ug/l	12277.86
Be	9	45	1	No Gas		ug/l	590.23
B	11	45	1	No Gas		ug/l	1411.30
Na	23	45	3	He		ug/l	40851.86
Mg	24	45	3	He		ug/l	1207.66
Al	27	45	1	No Gas		ug/l	18351.27
Si	28	45	2	H2		ug/l	17771.65
K	39	72	3	He		ug/l	135697.29
Ca	40	72	2	H2		ug/l	160494.95
Ti	47	72	1	No Gas		ug/l	368.71
V	51	72	1	No Gas		ug/l	-246779.77
V	51	72	3	He		ug/l	38337.63
Cr	52	72	1	No Gas		ug/l	129471.94
Cr	52	72	3	He		ug/l	1894.58
Mn	55	72	1	No Gas		ug/l	11931.18
Mn	55	72	3	He		ug/l	168.64
Fe	56	72	2	H2		ug/l	10133.71
Fe	56	72	3	He		ug/l	7532.86
Co	59	72	1	No Gas		ug/l	552.25
Ni	60	72	1	No Gas		ug/l	868.31
Ni	60	72	3	He		ug/l	185.56
Cu	63	72	1	No Gas		ug/l	1933.57
Cu	63	72	3	He		ug/l	457.92
Cu	65	72	1	No Gas		ug/l	1118.49
Zn	66	72	1	No Gas		ug/l	2608.31
Zn	66	72	3	He		ug/l	566.68
As	75	72	1	No Gas		ug/l	16954.94
As	75	72	3	He		ug/l	828.01
Se	78	72	2	H2		ug/l	47.33
Br	79	72	1	No Gas		ug/l	7483.79
Br	79	72	2	H2		ug/l	4714.76
Se	82	72	1	No Gas		ug/l	917.96
Kr	84	72	1	No Gas		ug/l	25425.43
Sr	88	72	1	No Gas		ug/l	588.85
Sr	88	72	3	He		ug/l	186.67
Mo	95	115	1	No Gas		ug/l	107.78
Mo	95	115	3	He		ug/l	33.34
Mo	98	115	1	No Gas		ug/l	186.68
Ag	107	115	1	No Gas		ug/l	1412.64
Ag	109	115	1	No Gas		ug/l	1339.27
Cd	111	115	1	No Gas		ug/l	-40.72

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He		ug/l	6.00
Cd	114	115	1	No Gas		ug/l	-180.17
Cd	114	115	3	He		ug/l	9.72
Sn	118	115	1	No Gas		ug/l	1084.57
Sn	118	115	3	He		ug/l	335.56
Sb	121	115	1	No Gas		ug/l	453.05
Sb	121	115	3	He		ug/l	128.68
Sb	123	115	1	No Gas		ug/l	353.71
Sb	123	115	3	He		ug/l	106.68
Ba	135	115	1	No Gas		ug/l	13.31
Ba	137	115	1	No Gas		ug/l	33.27
La	139	115	3	He		ug/l	7.78
Ce	140	115	3	He		ug/l	13.33
Hg	201	209	1	No Gas		ug/l	31.32
Hg	202	209	1	No Gas		ug/l	86.31
Hg	202	209	3	He		ug/l	50.66
Tl	203	209	3	He		ug/l	184.07
Tl	205	209	1	No Gas		ug/l	792.25
Tl	205	209	3	He		ug/l	412.17
[Pb]	206	209	1	No Gas		ug/l	150.00
[Pb]	207	209	1	No Gas		ug/l	117.78
Pb	208	209	1	No Gas		ug/l	567.79
Th	232	209	3	He		ug/l	384.83
U	238	209	1	No Gas		ug/l	10.67

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	4014390.85	
Sc	45	2	H2	2319355.17	
Sc	45	3	He	262663.62	
Ge	72	1	No Gas	950485.58	
Ge	72	2	H2	705862.27	
Ge	72	3	He	157270.99	
In	115	1	No Gas	5859695.40	
In	115	3	He	1499357.93	
Tb	159	1	No Gas	6777383.18	
Tb	159	3	He	3318220.34	
Ho	165	1	No Gas	6398595.71	
Ho	165	3	He	3255434.41	
Lu	175	1	No Gas	6595990.76	
Lu	175	3	He	2963920.54	
Bi	209	1	No Gas	4749822.33	
Bi	209	3	He	2293434.24	

ICPMS207-B Analytical Data

Sample Name	Cal Blk
File Name	008CALB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 12:04:17
Sample Type	CalBlk
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.000	ug/l	11494.94
Be	9	45	1	No Gas	0.000	ug/l	555.23
B	11	45	1	No Gas	0.000	ug/l	1151.84
Na	23	45	3	He	0.000	ug/l	40797.30
Mg	24	45	3	He	0.000	ug/l	1201.01
Al	27	45	1	No Gas	0.000	ug/l	17709.40
Si	28	45	2	H2	0.000	ug/l	15615.74
K	39	72	3	He	0.000	ug/l	137300.52
Ca	40	72	2	H2	0.000	ug/l	161076.22
Ti	47	72	1	No Gas	0.000	ug/l	395.40
V	51	72	1	No Gas	0.000	ug/l	15055.51
V	51	72	3	He	0.000	ug/l	37592.29
Cr	52	72	1	No Gas	0.000	ug/l	124562.50
Cr	52	72	3	He	0.000	ug/l	1705.67
Mn	55	72	1	No Gas	0.000	ug/l	12044.37
Mn	55	72	3	He	0.000	ug/l	170.63
Fe	56	72	2	H2	0.000	ug/l	9819.83
Fe	56	72	3	He	0.000	ug/l	7389.32
Co	59	72	1	No Gas	0.000	ug/l	445.79
Ni	60	72	1	No Gas	0.000	ug/l	815.08
Ni	60	72	3	He	0.000	ug/l	137.78
Cu	63	72	1	No Gas	0.000	ug/l	1794.83
Cu	63	72	3	He	0.000	ug/l	430.92
Cu	65	72	1	No Gas	0.000	ug/l	1037.79
Zn	66	72	1	No Gas	0.000	ug/l	2681.59
Zn	66	72	3	He	0.000	ug/l	551.12
As	75	72	1	No Gas	0.000	ug/l	21067.61
As	75	72	3	He	0.000	ug/l	828.94
Se	78	72	2	H2	0.000	ug/l	49.00
Br	79	72	1	No Gas	0.000	ug/l	7433.88
Br	79	72	2	H2	0.000	ug/l	4538.40
Se	82	72	1	No Gas	0.000	ug/l	989.58
Kr	84	72	1	No Gas		ug/l	25521.94
Sr	88	72	1	No Gas	0.000	ug/l	582.20
Sr	88	72	3	He	0.000	ug/l	164.45
Mo	95	115	1	No Gas	0.000	ug/l	90.00
Mo	95	115	3	He	0.000	ug/l	34.44
Mo	98	115	1	No Gas	0.000	ug/l	148.56
Ag	107	115	1	No Gas	0.000	ug/l	1456.66
Ag	109	115	1	No Gas	0.000	ug/l	1496.68
Cd	111	115	1	No Gas	0.000	ug/l	-13.45

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.000	ug/l	4.22
Cd	114	115	1	No Gas	0.000	ug/l	-129.99
Cd	114	115	3	He	0.000	ug/l	11.30
Sn	118	115	1	No Gas	0.000	ug/l	1117.84
Sn	118	115	3	He	0.000	ug/l	338.89
Sb	121	115	1	No Gas	0.000	ug/l	353.04
Sb	121	115	3	He	0.000	ug/l	105.34
Sb	123	115	1	No Gas	0.000	ug/l	262.36
Sb	123	115	3	He	0.000	ug/l	91.01
Ba	135	115	1	No Gas	0.000	ug/l	29.94
Ba	137	115	1	No Gas	0.000	ug/l	43.25
La	139	115	3	He	0.000	ug/l	5.56
Ce	140	115	3	He	0.000	ug/l	6.67
Hg	201	209	1	No Gas	0.000	ug/l	34.99
Hg	202	209	1	No Gas	0.000	ug/l	69.66
Hg	202	209	3	He	0.000	ug/l	31.66
Tl	203	209	3	He	0.000	ug/l	142.72
Tl	205	209	1	No Gas	0.000	ug/l	668.91
Tl	205	209	3	He	0.000	ug/l	377.49
[Pb]	206	209	1	No Gas	0.000	ug/l	137.78
[Pb]	207	209	1	No Gas	0.000	ug/l	116.67
Pb	208	209	1	No Gas	0.000	ug/l	528.89
Th	232	209	3	He	0.000	ug/l	293.46
U	238	209	1	No Gas	0.000	ug/l	13.67

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3857271.91	100.0
Sc	45	2	H2	2240425.66	100.0
Sc	45	3	He	264213.20	100.0
Ge	72	1	No Gas	952801.02	100.0
Ge	72	2	H2	705403.84	100.0
Ge	72	3	He	157921.08	100.0
In	115	1	No Gas	5570411.92	100.0
In	115	3	He	1495968.32	100.0
Tb	159	1	No Gas	7012816.74	100.0
Tb	159	3	He	3358791.12	100.0
Ho	165	1	No Gas	6863707.27	100.0
Ho	165	3	He	3270471.63	100.0
Lu	175	1	No Gas	6840550.57	100.0
Lu	175	3	He	2853023.36	100.0
Bi	209	1	No Gas	4304831.53	100.0
Bi	209	3	He	2221377.86	100.0

ICPMS207-B Analytical Data

Sample Name	0.025 ppb STD
File Name	009CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 12:11:15
Sample Type	CalStd
Total Dilution	1.0000
Comment	ICPMS-6020B-Cal
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.336	ug/l	15281.79
Be	9	45	1	No Gas	0.029	ug/l	677.88
B	11	45	1	No Gas	-0.004	ug/l	1085.15
Na	23	45	3	He	7.763	ug/l	47522.44
Mg	24	45	3	He	6.740	ug/l	4704.75
Al	27	45	1	No Gas	0.264	ug/l	22133.03
Si	28	45	2	H2	-0.296	ug/l	14331.94
K	39	72	3	He	9.419	ug/l	140195.28
Ca	40	72	2	H2	9.215	ug/l	230255.83
Ti	47	72	1	No Gas	0.061	ug/l	505.52
V	51	72	1	No Gas	-3.504	ug/l	-81003.85
V	51	72	3	He	0.136	ug/l	37547.73
Cr	52	72	1	No Gas	0.309	ug/l	125464.25
Cr	52	72	3	He	0.048	ug/l	1922.36
Mn	55	72	1	No Gas	0.061	ug/l	13339.62
Mn	55	72	3	He	0.031	ug/l	274.95
Fe	56	72	2	H2	0.791	ug/l	22864.06
Fe	56	72	3	He	0.752	ug/l	10808.21
Co	59	72	1	No Gas	0.032	ug/l	1274.20
Ni	60	72	1	No Gas	0.058	ug/l	1121.16
Ni	60	72	3	He	0.073	ug/l	272.23
Cu	63	72	1	No Gas	0.095	ug/l	3057.55
Cu	63	72	3	He	0.095	ug/l	897.18
Cu	65	72	1	No Gas	0.091	ug/l	1604.07
Zn	66	72	1	No Gas	0.057	ug/l	2824.56
Zn	66	72	3	He	0.103	ug/l	657.80
As	75	72	1	No Gas	0.218	ug/l	21497.74
As	75	72	3	He	0.055	ug/l	877.08
Se	78	72	2	H2	0.010	ug/l	54.22
Br	79	72	1	No Gas	0.507	ug/l	12317.54
Br	79	72	2	H2	0.442	ug/l	7483.81
Se	82	72	1	No Gas	0.518	ug/l	1116.12
Kr	84	72	1	No Gas		ug/l	25135.30
Sr	88	72	1	No Gas	0.027	ug/l	1593.61
Sr	88	72	3	He	0.025	ug/l	298.89
Mo	95	115	1	No Gas	0.045	ug/l	406.68
Mo	95	115	3	He	0.038	ug/l	141.11
Mo	98	115	1	No Gas	0.046	ug/l	678.50
Ag	107	115	1	No Gas	0.020	ug/l	1728.80
Ag	109	115	1	No Gas	0.013	ug/l	1613.41
Cd	111	115	1	No Gas	0.029	ug/l	102.31

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.029	ug/l	49.45
Cd	114	115	1	No Gas	0.022	ug/l	77.57
Cd	114	115	3	He	0.024	ug/l	101.06
Sn	118	115	1	No Gas	0.027	ug/l	1344.07
Sn	118	115	3	He	0.030	ug/l	442.23
Sb	121	115	1	No Gas	0.021	ug/l	698.09
Sb	121	115	3	He	0.020	ug/l	217.69
Sb	123	115	1	No Gas	0.020	ug/l	516.39
Sb	123	115	3	He	0.020	ug/l	182.02
Ba	135	115	1	No Gas	0.026	ug/l	116.44
Ba	137	115	1	No Gas	0.031	ug/l	226.22
La	139	115	3	He	0.024	ug/l	497.79
Ce	140	115	3	He	0.023	ug/l	501.13
Hg	201	209	1	No Gas	0.000	ug/l	31.99
Hg	202	209	1	No Gas	0.001	ug/l	67.99
Hg	202	209	3	He	0.000	ug/l	31.32
Tl	203	209	3	He	0.023	ug/l	286.12
Tl	205	209	1	No Gas	0.022	ug/l	1220.06
Tl	205	209	3	He	0.019	ug/l	670.29
[Pb]	206	209	1	No Gas	0.028	ug/l	400.01
[Pb]	207	209	1	No Gas	0.029	ug/l	341.12
Pb	208	209	1	No Gas	0.029	ug/l	1558.93
Th	232	209	3	He	0.015	ug/l	605.59
U	238	209	1	No Gas	0.023	ug/l	853.19

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3677133.75	95.3
Sc	45	2	H2	2162080.93	96.5
Sc	45	3	He	261251.50	98.9
Ge	72	1	No Gas	904595.51	94.9
Ge	72	2	H2	688138.53	97.6
Ge	72	3	He	155062.96	98.2
In	115	1	No Gas	5190570.88	93.2
In	115	3	He	1479181.45	98.9
Tb	159	1	No Gas	6520983.10	93.0
Tb	159	3	He	3223103.80	96.0
Ho	165	1	No Gas	6210298.26	90.5
Ho	165	3	He	3230908.24	98.8
Lu	175	1	No Gas	6236913.99	91.2
Lu	175	3	He	2807250.33	98.4
Bi	209	1	No Gas	4032452.87	93.7
Bi	209	3	He	2182069.85	98.2

ICPMS207-B Analytical Data

Sample Name	0.05 ppb STD
File Name	010CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 12:17:54
Sample Type	CalStd
Total Dilution	1.0000
Comment	ICPMS-6020B-Cal
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.603	ug/l	20115.99
Be	9	45	1	No Gas	0.039	ug/l	782.53
B	11	45	1	No Gas	-0.015	ug/l	1120.49
Na	23	45	3	He	15.659	ug/l	54890.72
Mg	24	45	3	He	14.289	ug/l	8652.01
Al	27	45	1	No Gas	0.373	ug/l	26076.01
Si	28	45	2	H2	-0.352	ug/l	13822.58
K	39	72	3	He	17.582	ug/l	144058.22
Ca	40	72	2	H2	19.182	ug/l	307305.60
Ti	47	72	1	No Gas	0.080	ug/l	567.25
V	51	72	1	No Gas	-2.403	ug/l	-54805.10
V	51	72	3	He	0.085	ug/l	37105.53
Cr	52	72	1	No Gas	0.002	ug/l	122574.08
Cr	52	72	3	He	0.087	ug/l	2114.61
Mn	55	72	1	No Gas	0.066	ug/l	14015.57
Mn	55	72	3	He	0.063	ug/l	383.26
Fe	56	72	2	H2	1.506	ug/l	34623.73
Fe	56	72	3	He	1.491	ug/l	14217.87
Co	59	72	1	No Gas	0.061	ug/l	2099.35
Ni	60	72	1	No Gas	0.087	ug/l	1347.39
Ni	60	72	3	He	0.099	ug/l	321.12
Cu	63	72	1	No Gas	0.094	ug/l	3172.29
Cu	63	72	3	He	0.100	ug/l	914.85
Cu	65	72	1	No Gas	0.087	ug/l	1639.42
Zn	66	72	1	No Gas	0.145	ug/l	3397.17
Zn	66	72	3	He	0.150	ug/l	706.69
As	75	72	1	No Gas	-0.742	ug/l	16144.28
As	75	72	3	He	0.067	ug/l	886.34
Se	78	72	2	H2	0.040	ug/l	73.00
Br	79	72	1	No Gas	0.463	ug/l	12334.19
Br	79	72	2	H2	0.477	ug/l	7666.86
Se	82	72	1	No Gas	-0.216	ug/l	898.49
Kr	84	72	1	No Gas		ug/l	24965.44
Sr	88	72	1	No Gas	0.057	ug/l	2834.69
Sr	88	72	3	He	0.060	ug/l	483.34
Mo	95	115	1	No Gas	0.046	ug/l	444.46
Mo	95	115	3	He	0.044	ug/l	161.11
Mo	98	115	1	No Gas	0.044	ug/l	696.97
Ag	107	115	1	No Gas	0.025	ug/l	1922.91
Ag	109	115	1	No Gas	0.016	ug/l	1774.16
Cd	111	115	1	No Gas	0.051	ug/l	202.91

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.049	ug/l	79.89
Cd	114	115	1	No Gas	0.045	ug/l	305.92
Cd	114	115	3	He	0.053	ug/l	214.81
Sn	118	115	1	No Gas	0.056	ug/l	1766.62
Sn	118	115	3	He	0.052	ug/l	525.57
Sb	121	115	1	No Gas	0.044	ug/l	1192.17
Sb	121	115	3	He	0.045	ug/l	368.04
Sb	123	115	1	No Gas	0.043	ug/l	886.45
Sb	123	115	3	He	0.048	ug/l	312.04
Ba	135	115	1	No Gas	0.050	ug/l	209.59
Ba	137	115	1	No Gas	0.060	ug/l	425.83
La	139	115	3	He	0.049	ug/l	1007.82
Ce	140	115	3	He	0.051	ug/l	1120.05
Hg	201	209	1	No Gas	-0.001	ug/l	33.99
Hg	202	209	1	No Gas	-0.001	ug/l	65.66
Hg	202	209	3	He	0.000	ug/l	30.32
Tl	203	209	3	He	0.041	ug/l	408.17
Tl	205	209	1	No Gas	0.041	ug/l	1871.26
Tl	205	209	3	He	0.047	ug/l	1110.50
[Pb]	206	209	1	No Gas	0.048	ug/l	624.47
[Pb]	207	209	1	No Gas	0.057	ug/l	615.57
Pb	208	209	1	No Gas	0.051	ug/l	2589.01
Th	232	209	3	He	0.032	ug/l	975.10
U	238	209	1	No Gas	0.048	ug/l	1861.09

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3921507.61	101.7
Sc	45	2	H2	2105750.79	94.0
Sc	45	3	He	261570.84	99.0
Ge	72	1	No Gas	936869.33	98.3
Ge	72	2	H2	683217.33	96.9
Ge	72	3	He	154266.52	97.7
In	115	1	No Gas	5491584.85	98.6
In	115	3	He	1485831.80	99.3
Tb	159	1	No Gas	6914800.03	98.6
Tb	159	3	He	3241386.19	96.5
Ho	165	1	No Gas	6605439.74	96.2
Ho	165	3	He	3232599.72	98.8
Lu	175	1	No Gas	6548028.27	95.7
Lu	175	3	He	2845390.55	99.7
Bi	209	1	No Gas	4330434.36	100.6
Bi	209	3	He	2209812.49	99.5

ICPMS207-B Analytical Data

Sample Name	0.10 ppb STD
File Name	011CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 12:24:33
Sample Type	CalStd
Total Dilution	1.0000
Comment	ICPMS-6020B-Cal
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1.233	ug/l	28980.42
Be	9	45	1	No Gas	0.086	ug/l	1055.49
B	11	45	1	No Gas	0.018	ug/l	1230.55
Na	23	45	3	He	28.789	ug/l	67000.54
Mg	24	45	3	He	28.693	ug/l	16166.64
Al	27	45	1	No Gas	0.137	ug/l	21000.27
Si	28	45	2	H2	-0.389	ug/l	13737.14
K	39	72	3	He	30.103	ug/l	151899.59
Ca	40	72	2	H2	32.334	ug/l	411831.78
Ti	47	72	1	No Gas	0.143	ug/l	712.41
V	51	72	1	No Gas	-1.919	ug/l	-40982.47
V	51	72	3	He	0.091	ug/l	37309.33
Cr	52	72	1	No Gas	0.008	ug/l	123737.38
Cr	52	72	3	He	0.141	ug/l	2399.10
Mn	55	72	1	No Gas	0.112	ug/l	15660.64
Mn	55	72	3	He	0.116	ug/l	568.90
Fe	56	72	2	H2	2.885	ug/l	57728.91
Fe	56	72	3	He	2.928	ug/l	21061.31
Co	59	72	1	No Gas	0.114	ug/l	3570.04
Ni	60	72	1	No Gas	0.129	ug/l	1623.55
Ni	60	72	3	He	0.155	ug/l	427.78
Cu	63	72	1	No Gas	0.122	ug/l	3607.90
Cu	63	72	3	He	0.139	ug/l	1118.16
Cu	65	72	1	No Gas	0.109	ug/l	1807.51
Zn	66	72	1	No Gas	0.058	ug/l	2967.87
Zn	66	72	3	He	0.101	ug/l	655.58
As	75	72	1	No Gas	-0.096	ug/l	20328.13
As	75	72	3	He	0.115	ug/l	945.14
Se	78	72	2	H2	0.093	ug/l	107.67
Br	79	72	1	No Gas	0.476	ug/l	12577.26
Br	79	72	2	H2	0.471	ug/l	7643.56
Se	82	72	1	No Gas	-0.188	ug/l	916.23
Kr	84	72	1	No Gas		ug/l	25332.00
Sr	88	72	1	No Gas	0.111	ug/l	5047.56
Sr	88	72	3	He	0.108	ug/l	744.47
Mo	95	115	1	No Gas	0.103	ug/l	897.81
Mo	95	115	3	He	0.098	ug/l	314.45
Mo	98	115	1	No Gas	0.099	ug/l	1400.65
Ag	107	115	1	No Gas	0.047	ug/l	2397.84
Ag	109	115	1	No Gas	0.037	ug/l	2223.74
Cd	111	115	1	No Gas	0.096	ug/l	397.41

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.109	ug/l	172.78
Cd	114	115	1	No Gas	0.097	ug/l	817.20
Cd	114	115	3	He	0.103	ug/l	403.50
Sn	118	115	1	No Gas	0.091	ug/l	2232.42
Sn	118	115	3	He	0.110	ug/l	738.92
Sb	121	115	1	No Gas	0.087	ug/l	2040.02
Sb	121	115	3	He	0.096	ug/l	660.75
Sb	123	115	1	No Gas	0.090	ug/l	1609.92
Sb	123	115	3	He	0.093	ug/l	517.39
Ba	135	115	1	No Gas	0.119	ug/l	465.75
Ba	137	115	1	No Gas	0.107	ug/l	741.89
La	139	115	3	He	0.105	ug/l	2137.96
Ce	140	115	3	He	0.103	ug/l	2251.31
Hg	201	209	1	No Gas	-0.004	ug/l	25.99
Hg	202	209	1	No Gas	0.003	ug/l	82.98
Hg	202	209	3	He	0.001	ug/l	32.33
Tl	203	209	3	He	0.088	ug/l	706.97
Tl	205	209	1	No Gas	0.095	ug/l	3372.67
Tl	205	209	3	He	0.096	ug/l	1857.55
[Pb]	206	209	1	No Gas	0.100	ug/l	1116.72
[Pb]	207	209	1	No Gas	0.099	ug/l	943.38
Pb	208	209	1	No Gas	0.102	ug/l	4461.44
Th	232	209	3	He	0.066	ug/l	1679.45
U	238	209	1	No Gas	0.098	ug/l	3667.12

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3927272.92	101.8
Sc	45	2	H2	2106210.73	94.0
Sc	45	3	He	261386.41	98.9
Ge	72	1	No Gas	944495.23	99.1
Ge	72	2	H2	684660.35	97.1
Ge	72	3	He	154927.00	98.1
In	115	1	No Gas	5599116.28	100.5
In	115	3	He	1488672.20	99.5
Tb	159	1	No Gas	6806465.65	97.1
Tb	159	3	He	3261747.60	97.1
Ho	165	1	No Gas	6509283.38	94.8
Ho	165	3	He	3245640.52	99.2
Lu	175	1	No Gas	6590265.24	96.3
Lu	175	3	He	2842948.29	99.6
Bi	209	1	No Gas	4187495.41	97.3
Bi	209	3	He	2184235.70	98.3

ICPMS207-B Analytical Data

Sample Name	0.5 ppb STD
File Name	012CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 12:31:12
Sample Type	CalStd
Total Dilution	1.0000
Comment	ICPMS-6020B-Cal
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	6.791	ug/l	98538.25
Be	9	45	1	No Gas	0.501	ug/l	3132.03
B	11	45	1	No Gas	0.458	ug/l	2459.86
Na	23	45	3	He	131.835	ug/l	162531.25
Mg	24	45	3	He	132.485	ug/l	70411.02
Al	27	45	1	No Gas	0.718	ug/l	30935.19
Si	28	45	2	H2	1.474	ug/l	17670.14
K	39	72	3	He	128.155	ug/l	207737.29
Ca	40	72	2	H2	137.489	ug/l	1228516.98
Ti	47	72	1	No Gas	0.515	ug/l	1456.54
V	51	72	1	No Gas	-3.376	ug/l	-76276.31
V	51	72	3	He	0.344	ug/l	38471.15
Cr	52	72	1	No Gas	0.580	ug/l	130299.99
Cr	52	72	3	He	0.495	ug/l	4226.18
Mn	55	72	1	No Gas	0.547	ug/l	28354.45
Mn	55	72	3	He	0.528	ug/l	1986.41
Fe	56	72	2	H2	12.928	ug/l	222970.17
Fe	56	72	3	He	12.861	ug/l	67894.21
Co	59	72	1	No Gas	0.533	ug/l	14245.40
Ni	60	72	1	No Gas	0.553	ug/l	4039.24
Ni	60	72	3	He	0.545	ug/l	1161.16
Cu	63	72	1	No Gas	0.583	ug/l	9922.02
Cu	63	72	3	He	0.565	ug/l	3238.05
Cu	65	72	1	No Gas	0.565	ug/l	4765.37
Zn	66	72	1	No Gas	0.569	ug/l	5310.03
Zn	66	72	3	He	0.599	ug/l	1223.39
As	75	72	1	No Gas	0.764	ug/l	24243.79
As	75	72	3	He	0.516	ug/l	1405.57
Se	78	72	2	H2	0.484	ug/l	354.67
Br	79	72	1	No Gas	0.515	ug/l	12244.31
Br	79	72	2	H2	0.415	ug/l	7177.54
Se	82	72	1	No Gas	0.586	ug/l	1115.59
Kr	84	72	1	No Gas		ug/l	25112.16
Sr	88	72	1	No Gas	0.504	ug/l	19594.53
Sr	88	72	3	He	0.492	ug/l	2822.52
Mo	95	115	1	No Gas	0.493	ug/l	3663.83
Mo	95	115	3	He	0.476	ug/l	1395.63
Mo	98	115	1	No Gas	0.468	ug/l	5605.59
Ag	107	115	1	No Gas	0.207	ug/l	5161.68
Ag	109	115	1	No Gas	0.200	ug/l	4931.51
Cd	111	115	1	No Gas	0.514	ug/l	2014.10

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.501	ug/l	775.02
Cd	114	115	1	No Gas	0.499	ug/l	4397.17
Cd	114	115	3	He	0.482	ug/l	1842.49
Sn	118	115	1	No Gas	0.491	ug/l	6548.57
Sn	118	115	3	He	0.475	ug/l	2056.83
Sb	121	115	1	No Gas	0.461	ug/l	8558.13
Sb	121	115	3	He	0.444	ug/l	2670.86
Sb	123	115	1	No Gas	0.456	ug/l	6523.17
Sb	123	115	3	He	0.444	ug/l	2120.37
Ba	135	115	1	No Gas	0.531	ug/l	1823.19
Ba	137	115	1	No Gas	0.511	ug/l	3130.82
La	139	115	3	He	0.483	ug/l	9821.29
Ce	140	115	3	He	0.469	ug/l	10156.00
Hg	201	209	1	No Gas	0.005	ug/l	43.99
Hg	202	209	1	No Gas	0.009	ug/l	107.31
Hg	202	209	3	He	0.008	ug/l	52.32
Tl	203	209	3	He	0.444	ug/l	3070.93
Tl	205	209	1	No Gas	0.478	ug/l	13727.14
Tl	205	209	3	He	0.447	ug/l	7481.79
[Pb]	206	209	1	No Gas	0.499	ug/l	4839.80
[Pb]	207	209	1	No Gas	0.494	ug/l	4080.65
Pb	208	209	1	No Gas	0.492	ug/l	18814.20
Th	232	209	3	He	0.364	ug/l	8101.77
U	238	209	1	No Gas	0.475	ug/l	16981.29

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3644655.99	94.5
Sc	45	2	H2	2041583.50	91.1
Sc	45	3	He	261639.13	99.0
Ge	72	1	No Gas	892492.42	93.7
Ge	72	2	H2	676834.33	95.9
Ge	72	3	He	154853.62	98.1
In	115	1	No Gas	5199654.07	93.3
In	115	3	He	1482183.06	99.1
Tb	159	1	No Gas	6388432.84	91.1
Tb	159	3	He	3259691.97	97.0
Ho	165	1	No Gas	6258846.33	91.2
Ho	165	3	He	3184601.94	97.4
Lu	175	1	No Gas	6216424.48	90.9
Lu	175	3	He	2837040.56	99.4
Bi	209	1	No Gas	4037259.47	93.8
Bi	209	3	He	2241075.48	100.9

ICPMS207-B Analytical Data

Sample Name	1 ppb STD
File Name	013CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 12:37:51
Sample Type	CalStd
Total Dilution	1.0000
Comment	ICPMS-6020B-Cal
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	13.912	ug/l	189820.14
Be	9	45	1	No Gas	1.043	ug/l	5947.98
B	11	45	1	No Gas	0.986	ug/l	4033.50
Na	23	45	3	He	263.292	ug/l	287291.59
Mg	24	45	3	He	264.761	ug/l	140979.71
Al	27	45	1	No Gas	1.288	ug/l	42175.87
Si	28	45	2	H2	4.339	ug/l	23905.36
K	39	72	3	He	259.728	ug/l	284367.63
Ca	40	72	2	H2	274.716	ug/l	2273402.15
Ti	47	72	1	No Gas	1.127	ug/l	2768.05
V	51	72	1	No Gas	-4.179	ug/l	-100281.08
V	51	72	3	He	0.765	ug/l	40667.07
Cr	52	72	1	No Gas	1.145	ug/l	145243.06
Cr	52	72	3	He	1.071	ug/l	7245.16
Mn	55	72	1	No Gas	1.049	ug/l	44579.06
Mn	55	72	3	He	1.025	ug/l	3719.40
Fe	56	72	2	H2	26.712	ug/l	445405.86
Fe	56	72	3	He	26.374	ug/l	132349.59
Co	59	72	1	No Gas	1.063	ug/l	28254.54
Ni	60	72	1	No Gas	1.084	ug/l	7284.09
Ni	60	72	3	He	1.050	ug/l	2125.73
Cu	63	72	1	No Gas	1.100	ug/l	17402.67
Cu	63	72	3	He	1.111	ug/l	5988.70
Cu	65	72	1	No Gas	1.089	ug/l	8364.43
Zn	66	72	1	No Gas	0.943	ug/l	7257.01
Zn	66	72	3	He	1.022	ug/l	1714.56
As	75	72	1	No Gas	1.401	ug/l	28374.69
As	75	72	3	He	1.016	ug/l	1991.70
Se	78	72	2	H2	0.981	ug/l	662.57
Br	79	72	1	No Gas	0.509	ug/l	12314.19
Br	79	72	2	H2	0.418	ug/l	7114.33
Se	82	72	1	No Gas	0.785	ug/l	1192.67
Kr	84	72	1	No Gas		ug/l	24932.24
Sr	88	72	1	No Gas	1.020	ug/l	39572.49
Sr	88	72	3	He	0.967	ug/l	5419.95
Mo	95	115	1	No Gas	1.003	ug/l	7222.98
Mo	95	115	3	He	0.987	ug/l	2868.09
Mo	98	115	1	No Gas	0.992	ug/l	11527.60
Ag	107	115	1	No Gas	0.435	ug/l	9197.35
Ag	109	115	1	No Gas	0.426	ug/l	8778.25
Cd	111	115	1	No Gas	1.053	ug/l	4073.19

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.997	ug/l	1545.53
Cd	114	115	1	No Gas	1.029	ug/l	9028.82
Cd	114	115	3	He	0.984	ug/l	3769.41
Sn	118	115	1	No Gas	0.993	ug/l	11948.09
Sn	118	115	3	He	0.983	ug/l	3913.90
Sb	121	115	1	No Gas	0.990	ug/l	17682.19
Sb	121	115	3	He	0.906	ug/l	5367.90
Sb	123	115	1	No Gas	0.973	ug/l	13410.73
Sb	123	115	3	He	0.936	ug/l	4393.47
Ba	135	115	1	No Gas	1.037	ug/l	3480.21
Ba	137	115	1	No Gas	1.000	ug/l	5942.84
La	139	115	3	He	0.994	ug/l	20286.02
Ce	140	115	3	He	0.974	ug/l	21180.68
Hg	201	209	1	No Gas	0.017	ug/l	65.99
Hg	202	209	1	No Gas	0.019	ug/l	144.64
Hg	202	209	3	He	0.017	ug/l	73.32
Tl	203	209	3	He	0.922	ug/l	6126.54
Tl	205	209	1	No Gas	1.024	ug/l	27635.37
Tl	205	209	3	He	0.927	ug/l	14864.26
[Pb]	206	209	1	No Gas	1.030	ug/l	9490.11
[Pb]	207	209	1	No Gas	1.022	ug/l	8054.70
Pb	208	209	1	No Gas	1.044	ug/l	37960.58
Th	232	209	3	He	0.820	ug/l	17611.56
U	238	209	1	No Gas	0.993	ug/l	34255.54

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3616480.26	93.8
Sc	45	2	H2	2002457.62	89.4
Sc	45	3	He	264390.49	100.1
Ge	72	1	No Gas	901824.30	94.6
Ge	72	2	H2	669003.56	94.8
Ge	72	3	He	155718.93	98.6
In	115	1	No Gas	5097419.21	91.5
In	115	3	He	1489255.47	99.6
Tb	159	1	No Gas	6224676.65	88.8
Tb	159	3	He	3204811.99	95.4
Ho	165	1	No Gas	6143760.83	89.5
Ho	165	3	He	3192182.57	97.6
Lu	175	1	No Gas	6197148.60	90.6
Lu	175	3	He	2829906.89	99.2
Bi	209	1	No Gas	3871647.48	89.9
Bi	209	3	He	2204544.07	99.2

ICPMS207-B Analytical Data

Sample Name	10 ppb STD
File Name	014CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 12:44:29
Sample Type	CalStd
Total Dilution	1.0000
Comment	ICPMS-6020B-Cal
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	138.055	ug/l	1783391.42
Be	9	45	1	No Gas	10.689	ug/l	56045.87
B	11	45	1	No Gas	10.725	ug/l	33119.35
Na	23	45	3	He	2609.397	ug/l	2463572.38
Mg	24	45	3	He	2602.653	ug/l	1364310.75
Al	27	45	1	No Gas	11.394	ug/l	242855.28
Si	28	45	2	H2	38.959	ug/l	101599.25
K	39	72	3	He	2503.578	ug/l	1564873.40
Ca	40	72	2	H2	2691.895	ug/l	20768975.12
Ti	47	72	1	No Gas	10.490	ug/l	22782.22
V	51	72	1	No Gas	4.989	ug/l	151310.02
V	51	72	3	He	8.048	ug/l	74628.96
Cr	52	72	1	No Gas	9.890	ug/l	358070.95
Cr	52	72	3	He	9.991	ug/l	53350.71
Mn	55	72	1	No Gas	10.456	ug/l	343908.66
Mn	55	72	3	He	10.347	ug/l	35858.67
Fe	56	72	2	H2	267.868	ug/l	4347633.10
Fe	56	72	3	He	262.972	ug/l	1248937.62
Co	59	72	1	No Gas	10.404	ug/l	274428.19
Ni	60	72	1	No Gas	10.156	ug/l	62087.78
Ni	60	72	3	He	10.684	ug/l	20284.11
Cu	63	72	1	No Gas	10.663	ug/l	154873.26
Cu	63	72	3	He	10.691	ug/l	53751.41
Cu	65	72	1	No Gas	10.581	ug/l	73107.13
Zn	66	72	1	No Gas	10.014	ug/l	52938.94
Zn	66	72	3	He	10.703	ug/l	12752.28
As	75	72	1	No Gas	10.447	ug/l	82936.26
As	75	72	3	He	9.916	ug/l	12226.54
Se	78	72	2	H2	10.021	ug/l	6292.14
Br	79	72	1	No Gas	0.432	ug/l	11578.39
Br	79	72	2	H2	0.407	ug/l	6981.19
Se	82	72	1	No Gas	10.549	ug/l	4432.85
Kr	84	72	1	No Gas		ug/l	26768.54
Sr	88	72	1	No Gas	10.242	ug/l	394048.37
Sr	88	72	3	He	9.789	ug/l	53171.49
Mo	95	115	1	No Gas	9.874	ug/l	72724.18
Mo	95	115	3	He	9.692	ug/l	27879.45
Mo	98	115	1	No Gas	9.674	ug/l	114935.84
Ag	107	115	1	No Gas	3.999	ug/l	76170.84
Ag	109	115	1	No Gas	4.038	ug/l	74041.91
Cd	111	115	1	No Gas	10.345	ug/l	41523.28

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	9.985	ug/l	15440.36
Cd	114	115	1	No Gas	9.999	ug/l	91889.10
Cd	114	115	3	He	9.758	ug/l	37282.85
Sn	118	115	1	No Gas	9.748	ug/l	112024.69
Sn	118	115	3	He	9.531	ug/l	35035.82
Sb	121	115	1	No Gas	9.623	ug/l	174755.52
Sb	121	115	3	He	9.486	ug/l	55254.21
Sb	123	115	1	No Gas	9.528	ug/l	133460.12
Sb	123	115	3	He	9.370	ug/l	43178.64
Ba	135	115	1	No Gas	10.294	ug/l	35378.19
Ba	137	115	1	No Gas	9.908	ug/l	60588.13
La	139	115	3	He	9.700	ug/l	198051.41
Ce	140	115	3	He	9.669	ug/l	210211.92
Hg	201	209	1	No Gas	0.181	ug/l	402.93
Hg	202	209	1	No Gas	0.191	ug/l	936.18
Hg	202	209	3	He	0.193	ug/l	495.58
Tl	203	209	3	He	9.558	ug/l	61632.93
Tl	205	209	1	No Gas	10.006	ug/l	273749.13
Tl	205	209	3	He	9.440	ug/l	146626.12
[Pb]	206	209	1	No Gas	10.059	ug/l	94812.45
[Pb]	207	209	1	No Gas	9.961	ug/l	80220.67
Pb	208	209	1	No Gas	9.995	ug/l	371904.78
Th	232	209	3	He	9.129	ug/l	191391.50
U	238	209	1	No Gas	9.821	ug/l	350211.54

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3604547.90	93.4
Sc	45	2	H2	1970459.49	88.0
Sc	45	3	He	262267.26	99.3
Ge	72	1	No Gas	904223.61	94.9
Ge	72	2	H2	663641.50	94.1
Ge	72	3	He	155065.43	98.2
In	115	1	No Gas	5252958.24	94.3
In	115	3	He	1489691.64	99.6
Tb	159	1	No Gas	6451917.31	92.0
Tb	159	3	He	3295089.06	98.1
Ho	165	1	No Gas	6195093.73	90.3
Ho	165	3	He	3229327.68	98.7
Lu	175	1	No Gas	6269379.79	91.7
Lu	175	3	He	2850709.54	99.9
Bi	209	1	No Gas	4004536.78	93.0
Bi	209	3	He	2186150.68	98.4

ICPMS207-B Analytical Data

Sample Name	50 ppb STD
File Name	015CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 12:51:06
Sample Type	CalStd
Total Dilution	1.0000
Comment	ICPMS-6020B-Cal
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	684.303	ug/l	9002617.84
Be	9	45	1	No Gas	53.282	ug/l	283835.22
B	11	45	1	No Gas	56.387	ug/l	173462.41
Na	23	45	3	He	13182.776	ug/l	12463575.79
Mg	24	45	3	He	13074.382	ug/l	6950590.14
Al	27	45	1	No Gas	54.815	ug/l	1131395.42
Si	28	45	2	H2	227.159	ug/l	512045.51
K	39	72	3	He	12724.353	ug/l	7534975.79
Ca	40	72	2	H2	12995.114	ug/l	100235051.52
Ti	47	72	1	No Gas	51.223	ug/l	111837.31
V	51	72	1	No Gas	43.218	ug/l	1229815.21
V	51	72	3	He	46.902	ug/l	261302.51
Cr	52	72	1	No Gas	49.010	ug/l	1332009.66
Cr	52	72	3	He	51.035	ug/l	270392.92
Mn	55	72	1	No Gas	50.832	ug/l	1659798.10
Mn	55	72	3	He	51.881	ug/l	182301.84
Fe	56	72	2	H2	1327.219	ug/l	21625388.17
Fe	56	72	3	He	1347.463	ug/l	6484025.98
Co	59	72	1	No Gas	52.680	ug/l	1415068.47
Ni	60	72	1	No Gas	51.450	ug/l	317347.23
Ni	60	72	3	He	53.235	ug/l	102329.74
Cu	63	72	1	No Gas	52.210	ug/l	766133.83
Cu	63	72	3	He	52.011	ug/l	264500.12
Cu	65	72	1	No Gas	51.895	ug/l	361636.97
Zn	66	72	1	No Gas	50.055	ug/l	259463.41
Zn	66	72	3	He	52.733	ug/l	61786.02
As	75	72	1	No Gas	53.245	ug/l	347044.15
As	75	72	3	He	50.940	ug/l	60504.53
Se	78	72	2	H2	51.205	ug/l	32135.83
Br	79	72	1	No Gas	0.205	ug/l	9394.45
Br	79	72	2	H2	0.252	ug/l	5982.73
Se	82	72	1	No Gas	52.516	ug/l	18666.58
Kr	84	72	1	No Gas		ug/l	39298.89
Sr	88	72	1	No Gas	52.095	ug/l	2041504.18
Sr	88	72	3	He	50.005	ug/l	275775.42
Mo	95	115	1	No Gas	50.600	ug/l	373690.92
Mo	95	115	3	He	51.129	ug/l	146249.32
Mo	98	115	1	No Gas	51.202	ug/l	610082.69
Ag	107	115	1	No Gas	20.485	ug/l	385920.34
Ag	109	115	1	No Gas	20.512	ug/l	371939.85
Cd	111	115	1	No Gas	53.369	ug/l	215062.08

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	52.104	ug/l	80185.98
Cd	114	115	1	No Gas	51.436	ug/l	475040.13
Cd	114	115	3	He	50.866	ug/l	193423.49
Sn	118	115	1	No Gas	52.192	ug/l	597837.14
Sn	118	115	3	He	51.225	ug/l	185994.73
Sb	121	115	1	No Gas	53.403	ug/l	971803.52
Sb	121	115	3	He	52.093	ug/l	301597.34
Sb	123	115	1	No Gas	52.810	ug/l	741296.57
Sb	123	115	3	He	51.971	ug/l	238005.96
Ba	135	115	1	No Gas	53.002	ug/l	182732.69
Ba	137	115	1	No Gas	51.690	ug/l	317152.09
La	139	115	3	He	52.367	ug/l	1064475.96
Ce	140	115	3	He	51.430	ug/l	1112938.25
Hg	201	209	1	No Gas	1.041	ug/l	2159.08
Hg	202	209	1	No Gas	1.049	ug/l	4843.92
Hg	202	209	3	He	1.051	ug/l	2577.41
Tl	203	209	3	He	48.628	ug/l	314647.12
Tl	205	209	1	No Gas	49.131	ug/l	1345304.81
Tl	205	209	3	He	48.547	ug/l	756809.42
[Pb]	206	209	1	No Gas	51.887	ug/l	488610.34
[Pb]	207	209	1	No Gas	52.804	ug/l	424753.23
Pb	208	209	1	No Gas	52.082	ug/l	1935325.44
Th	232	209	3	He	49.543	ug/l	1042971.05
U	238	209	1	No Gas	50.923	ug/l	1816361.52

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3702375.16	96.0
Sc	45	2	H2	1918115.99	85.6
Sc	45	3	He	266151.76	100.7
Ge	72	1	No Gas	923288.23	96.9
Ge	72	2	H2	667346.10	94.6
Ge	72	3	He	157822.07	99.9
In	115	1	No Gas	5285707.84	94.9
In	115	3	He	1483180.79	99.1
Tb	159	1	No Gas	6557721.97	93.5
Tb	159	3	He	3317472.25	98.8
Ho	165	1	No Gas	6417824.79	93.5
Ho	165	3	He	3288595.80	100.6
Lu	175	1	No Gas	6398394.73	93.5
Lu	175	3	He	2876400.36	100.8
Bi	209	1	No Gas	4022298.01	93.4
Bi	209	3	He	2197766.28	98.9

ICPMS207-B Analytical Data

Sample Name	100 ppb STD
File Name	016CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 12:58:15
Sample Type	CalStd
Total Dilution	1.0000
Comment	ICPMS-6020B-Cal
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1266.561	ug/l	17343227.22
Be	9	45	1	No Gas	100.428	ug/l	556591.69
B	11	45	1	No Gas	99.451	ug/l	317697.60
Na	23	45	3	He	24737.217	ug/l	23714329.37
Mg	24	45	3	He	24885.371	ug/l	13427706.08
Al	27	45	1	No Gas	102.437	ug/l	2186726.74
Si	28	45	2	H2	386.525	ug/l	837848.35
K	39	72	3	He	25070.354	ug/l	14806361.44
Ca	40	72	2	H2	25024.904	ug/l	188828767.12
Ti	47	72	1	No Gas	99.338	ug/l	220732.16
V	51	72	1	No Gas	86.954	ug/l	2508194.27
V	51	72	3	He	92.841	ug/l	483477.01
Cr	52	72	1	No Gas	94.194	ug/l	2494124.58
Cr	52	72	3	He	97.074	ug/l	516002.12
Mn	55	72	1	No Gas	98.530	ug/l	3264888.92
Mn	55	72	3	He	100.432	ug/l	354989.45
Fe	56	72	2	H2	2548.328	ug/l	40635466.95
Fe	56	72	3	He	2590.322	ug/l	12537433.76
Co	59	72	1	No Gas	97.428	ug/l	2664484.41
Ni	60	72	1	No Gas	95.720	ug/l	600899.03
Ni	60	72	3	He	100.597	ug/l	194490.03
Cu	63	72	1	No Gas	96.678	ug/l	1443812.40
Cu	63	72	3	He	99.922	ug/l	510990.99
Cu	65	72	1	No Gas	97.095	ug/l	688378.21
Zn	66	72	1	No Gas	94.500	ug/l	496542.94
Zn	66	72	3	He	101.166	ug/l	118780.00
As	75	72	1	No Gas	101.808	ug/l	657464.96
As	75	72	3	He	99.007	ug/l	117556.40
Se	78	72	2	H2	99.231	ug/l	60924.78
Br	79	72	1	No Gas	0.528	ug/l	13063.35
Br	79	72	2	H2	0.666	ug/l	8575.57
Se	82	72	1	No Gas	99.571	ug/l	35201.27
Kr	84	72	1	No Gas		ug/l	49206.24
Sr	88	72	1	No Gas	97.677	ug/l	3897806.13
Sr	88	72	3	He	98.219	ug/l	544950.29
Mo	95	115	1	No Gas	99.713	ug/l	730306.22
Mo	95	115	3	He	99.467	ug/l	283282.37
Mo	98	115	1	No Gas	99.432	ug/l	1174546.47
Ag	107	115	1	No Gas	39.757	ug/l	741324.50
Ag	109	115	1	No Gas	39.740	ug/l	713158.73
Cd	111	115	1	No Gas	103.837	ug/l	414903.63

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	101.142	ug/l	154989.35
Cd	114	115	1	No Gas	100.782	ug/l	922857.65
Cd	114	115	3	He	99.015	ug/l	374899.62
Sn	118	115	1	No Gas	98.929	ug/l	1122124.14
Sn	118	115	3	He	99.435	ug/l	359100.44
Sb	121	115	1	No Gas	98.336	ug/l	1774176.24
Sb	121	115	3	He	99.006	ug/l	570723.70
Sb	123	115	1	No Gas	98.642	ug/l	1372899.53
Sb	123	115	3	He	99.079	ug/l	451732.08
Ba	135	115	1	No Gas	103.377	ug/l	353497.03
Ba	137	115	1	No Gas	100.969	ug/l	614278.70
La	139	115	3	He	98.847	ug/l	2000593.84
Ce	140	115	3	He	99.319	ug/l	2140665.87
Hg	201	209	1	No Gas	1.981	ug/l	4135.82
Hg	202	209	1	No Gas	1.977	ug/l	9206.00
Hg	202	209	3	He	1.975	ug/l	4885.25
Tl	203	209	3	He	94.756	ug/l	621868.99
Tl	205	209	1	No Gas	99.012	ug/l	2740296.10
Tl	205	209	3	He	93.788	ug/l	1482456.43
[Pb]	206	209	1	No Gas	98.334	ug/l	938621.48
[Pb]	207	209	1	No Gas	101.167	ug/l	825524.30
Pb	208	209	1	No Gas	99.350	ug/l	3743508.76
Th	232	209	3	He	94.149	ug/l	2010195.05
U	238	209	1	No Gas	98.938	ug/l	3577620.61

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3836119.66	99.5
Sc	45	2	H2	1864726.12	83.2
Sc	45	3	He	270511.79	102.4
Ge	72	1	No Gas	939742.56	98.6
Ge	72	2	H2	653321.06	92.6
Ge	72	3	He	158845.45	100.6
In	115	1	No Gas	5223133.09	93.8
In	115	3	He	1477057.08	98.7
Tb	159	1	No Gas	6757094.30	96.4
Tb	159	3	He	3304483.30	98.4
Ho	165	1	No Gas	6589109.66	96.0
Ho	165	3	He	3292151.49	100.7
Lu	175	1	No Gas	6615749.06	96.7
Lu	175	3	He	2894970.23	101.5
Bi	209	1	No Gas	4060895.39	94.3
Bi	209	3	He	2230330.24	100.4

ICPMS207-B Analytical Data

Sample Name	1000 ppb STD
File Name	017CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 13:04:46
Sample Type	CalStd
Total Dilution	1.0000
Comment	ICPMS-6020B-Cal
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	2476.233	ug/l	33884178.89
Be	9	45	1	No Gas	999.786	ug/l	5532769.01
B	11	45	1	No Gas	999.728	ug/l	3183430.36
Na	23	45	3	He	49955.142	ug/l	47619395.96
Mg	24	45	3	He	49908.492	ug/l	26809096.87
Al	27	45	1	No Gas	999.501	ug/l	21180765.66
Si	28	45	2	H2	0.414	ug/l	13640.32
K	39	72	3	He	49908.495	ug/l	29257935.95
Ca	40	72	2	H2	49854.014	ug/l	365978589.03
Ti	47	72	1	No Gas	7.342	ug/l	16001.45
V	51	72	1	No Gas	1001.701	ug/l	27535665.19
V	51	72	3	He	1000.891	ug/l	4829191.49
Cr	52	72	1	No Gas	1000.631	ug/l	24262327.01
Cr	52	72	3	He	1000.241	ug/l	5286634.37
Mn	55	72	1	No Gas	1000.101	ug/l	31657828.08
Mn	55	72	3	He	999.859	ug/l	3522797.99
Fe	56	72	2	H2	6016.150	ug/l	93387917.13
Fe	56	72	3	He	5993.780	ug/l	28921554.91
Co	59	72	1	No Gas	1000.119	ug/l	26221333.63
Ni	60	72	1	No Gas	1000.354	ug/l	6002894.31
Ni	60	72	3	He	999.772	ug/l	1926185.18
Cu	63	72	1	No Gas	1000.215	ug/l	14276326.37
Cu	63	72	3	He	999.900	ug/l	5094975.96
Cu	65	72	1	No Gas	1000.190	ug/l	6786287.53
Zn	66	72	1	No Gas	1000.547	ug/l	5009270.44
Zn	66	72	3	He	999.740	ug/l	1165604.76
As	75	72	1	No Gas	999.652	ug/l	6003427.99
As	75	72	3	He	1000.053	ug/l	1176555.50
Se	78	72	2	H2	1000.016	ug/l	597152.36
Br	79	72	1	No Gas	0.762	ug/l	14981.42
Br	79	72	2	H2	2.802	ug/l	21993.24
Se	82	72	1	No Gas	999.912	ug/l	330207.50
Kr	84	72	1	No Gas		ug/l	263475.37
Sr	88	72	1	No Gas	1000.125	ug/l	38190192.27
Sr	88	72	3	He	1000.180	ug/l	5532411.17
Mo	95	115	1	No Gas	0.169	ug/l	1353.41
Mo	95	115	3	He	0.117	ug/l	362.23
Mo	98	115	1	No Gas	0.185	ug/l	2396.42
Ag	107	115	1	No Gas	364.927	ug/l	6898458.48
Ag	109	115	1	No Gas	374.521	ug/l	6801309.37
Cd	111	115	1	No Gas	999.444	ug/l	4058398.31

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	999.781	ug/l	1516163.10
Cd	114	115	1	No Gas	999.850	ug/l	9305919.43
Cd	114	115	3	He	1000.058	ug/l	3747214.89
Sn	118	115	1	No Gas	0.212	ug/l	3514.09
Sn	118	115	3	He	0.137	ug/l	818.92
Sb	121	115	1	No Gas	0.222	ug/l	4442.15
Sb	121	115	3	He	0.206	ug/l	1280.19
Sb	123	115	1	No Gas	0.239	ug/l	3664.85
Sb	123	115	3	He	0.204	ug/l	1009.14
Ba	135	115	1	No Gas	999.509	ug/l	3474261.10
Ba	137	115	1	No Gas	999.820	ug/l	6187133.44
La	139	115	3	He	0.013	ug/l	270.01
Ce	140	115	3	He	0.024	ug/l	516.68
Hg	201	209	1	No Gas	0.005	ug/l	43.66
Hg	202	209	1	No Gas	0.010	ug/l	112.98
Hg	202	209	3	He	0.011	ug/l	55.66
Tl	203	209	3	He	1000.598	ug/l	6254109.71
Tl	205	209	1	No Gas	1000.142	ug/l	27470274.87
Tl	205	209	3	He	1000.700	ug/l	15066333.85
[Pb]	206	209	1	No Gas	1000.072	ug/l	9474817.50
[Pb]	207	209	1	No Gas	999.743	ug/l	8071856.34
Pb	208	209	1	No Gas	999.961	ug/l	37332142.01
Th	232	209	3	He	1000.617	ug/l	20355171.60
U	238	209	1	No Gas	1000.062	ug/l	35868162.51

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3959384.62	102.6
Sc	45	2	H2	1832824.42	81.8
Sc	45	3	He	269000.04	101.8
Ge	72	1	No Gas	916666.61	96.2
Ge	72	2	H2	635901.95	90.1
Ge	72	3	He	158388.02	100.3
In	115	1	No Gas	5497297.38	98.7
In	115	3	He	1461799.46	97.7
Tb	159	1	No Gas	6944602.85	99.0
Tb	159	3	He	3360056.06	100.0
Ho	165	1	No Gas	6772931.23	98.7
Ho	165	3	He	3275896.67	100.2
Lu	175	1	No Gas	6916159.30	101.1
Lu	175	3	He	2946052.14	103.3
Bi	209	1	No Gas	4123372.04	95.8
Bi	209	3	He	2124030.45	95.6

ICPMS207-B Analytical Data

Sample Name	100 ppb Br STD
File Name	018CALS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 13:11:14
Sample Type	CalStd
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	2.213	ug/l	43191.53
Be	9	45	1	No Gas	0.002	ug/l	585.23
B	11	45	1	No Gas	5.276	ug/l	18576.79
Na	23	45	3	He	6.678	ug/l	47075.43
Mg	24	45	3	He	0.232	ug/l	1324.10
Al	27	45	1	No Gas	-0.029	ug/l	17581.46
Si	28	45	2	H2	-0.839	ug/l	11730.64
K	39	72	3	He	645.040	ug/l	509276.59
Ca	40	72	2	H2	5.625	ug/l	193750.80
Ti	47	72	1	No Gas	0.088	ug/l	590.61
V	51	72	1	No Gas	-1.737	ug/l	-35592.19
V	51	72	3	He	-4.000	ug/l	18378.18
Cr	52	72	1	No Gas	-1.267	ug/l	91638.21
Cr	52	72	3	He	0.003	ug/l	1709.00
Mn	55	72	1	No Gas	0.181	ug/l	18001.94
Mn	55	72	3	He	0.016	ug/l	226.96
Fe	56	72	2	H2	0.134	ug/l	11359.17
Fe	56	72	3	He	0.154	ug/l	8078.70
Co	59	72	1	No Gas	0.006	ug/l	605.48
Ni	60	72	1	No Gas	0.116	ug/l	1543.70
Ni	60	72	3	He	0.010	ug/l	155.56
Cu	63	72	1	No Gas	0.115	ug/l	3523.18
Cu	63	72	3	He	0.063	ug/l	746.54
Cu	65	72	1	No Gas	0.066	ug/l	1507.35
Zn	66	72	1	No Gas	0.004	ug/l	2689.98
Zn	66	72	3	He	0.065	ug/l	622.24
As	75	72	1	No Gas	-0.087	ug/l	20427.27
As	75	72	3	He	-0.057	ug/l	757.80
Se	78	72	2	H2	0.152	ug/l	140.44
Br	79	72	1	No Gas	100.000	ug/l	1102542.03
Br	79	72	2	H2	100.000	ug/l	668101.50
Se	82	72	1	No Gas	1.398	ug/l	1468.05
Kr	84	72	1	No Gas		ug/l	24972.14
Sr	88	72	1	No Gas	0.009	ug/l	944.83
Sr	88	72	3	He	0.010	ug/l	218.89
Mo	95	115	1	No Gas	0.026	ug/l	295.56
Mo	95	115	3	He	0.016	ug/l	82.22
Mo	98	115	1	No Gas	0.018	ug/l	384.40
Ag	107	115	1	No Gas	0.039	ug/l	2264.43
Ag	109	115	1	No Gas	0.030	ug/l	2103.00
Cd	111	115	1	No Gas	0.062	ug/l	254.30

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.033	ug/l	57.11
Cd	114	115	1	No Gas	0.046	ug/l	330.21
Cd	114	115	3	He	0.033	ug/l	139.32
Sn	118	115	1	No Gas	0.090	ug/l	2249.06
Sn	118	115	3	He	0.114	ug/l	770.03
Sb	121	115	1	No Gas	0.046	ug/l	1263.85
Sb	121	115	3	He	0.049	ug/l	397.38
Sb	123	115	1	No Gas	0.045	ug/l	950.80
Sb	123	115	3	He	0.051	ug/l	334.71
Ba	135	115	1	No Gas	0.017	ug/l	93.15
Ba	137	115	1	No Gas	0.015	ug/l	146.38
La	139	115	3	He	0.001	ug/l	24.44
Ce	140	115	3	He	0.001	ug/l	25.55
Hg	201	209	1	No Gas	-0.004	ug/l	26.99
Hg	202	209	1	No Gas	0.003	ug/l	84.98
Hg	202	209	3	He	0.002	ug/l	37.32
Tl	203	209	3	He	0.073	ug/l	634.27
Tl	205	209	1	No Gas	0.084	ug/l	3127.05
Tl	205	209	3	He	0.072	ug/l	1546.05
[Pb]	206	209	1	No Gas	0.028	ug/l	417.79
[Pb]	207	209	1	No Gas	0.028	ug/l	362.23
Pb	208	209	1	No Gas	0.029	ug/l	1668.94
Th	232	209	3	He	0.233	ug/l	5353.93
U	238	209	1	No Gas	0.047	ug/l	1831.10

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3968564.95	102.9
Sc	45	2	H2	1952844.11	87.2
Sc	45	3	He	264382.67	100.1
Ge	72	1	No Gas	946645.07	99.4
Ge	72	2	H2	660497.13	93.6
Ge	72	3	He	156906.74	99.4
In	115	1	No Gas	5675110.48	101.9
In	115	3	He	1524718.63	101.9
Tb	159	1	No Gas	6825168.42	97.3
Tb	159	3	He	3344201.19	99.6
Ho	165	1	No Gas	6655709.12	97.0
Ho	165	3	He	3222898.05	98.5
Lu	175	1	No Gas	6709005.90	98.1
Lu	175	3	He	2849549.40	99.9
Bi	209	1	No Gas	4305623.97	100.0
Bi	209	3	He	2262803.70	101.9

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	019BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 13:17:36
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.927	ug/l	24538.19
Be	9	45	1	No Gas	-0.030	ug/l	389.93
B	11	45	1	No Gas	3.112	ug/l	11254.02
Na	23	45	3	He	2.398	ug/l	43192.80
Mg	24	45	3	He	-0.323	ug/l	1034.65
Al	27	45	1	No Gas	-0.207	ug/l	13437.18
Si	28	45	2	H2	-1.985	ug/l	9408.07
K	39	72	3	He	15.816	ug/l	147332.83
Ca	40	72	2	H2	2.300	ug/l	170464.60
Ti	47	72	1	No Gas	0.040	ug/l	480.49
V	51	72	1	No Gas	-0.073	ug/l	11558.00
V	51	72	3	He	-4.814	ug/l	14700.71
Cr	52	72	1	No Gas	-1.858	ug/l	75984.23
Cr	52	72	3	He	-0.010	ug/l	1662.33
Mn	55	72	1	No Gas	0.075	ug/l	14345.22
Mn	55	72	3	He	-0.001	ug/l	166.97
Fe	56	72	2	H2	-0.011	ug/l	9125.38
Fe	56	72	3	He	-0.044	ug/l	7217.36
Co	59	72	1	No Gas	0.002	ug/l	499.02
Ni	60	72	1	No Gas	0.042	ug/l	1064.60
Ni	60	72	3	He	0.003	ug/l	143.33
Cu	63	72	1	No Gas	0.049	ug/l	2496.55
Cu	63	72	3	He	0.015	ug/l	510.57
Cu	65	72	1	No Gas	0.006	ug/l	1067.14
Zn	66	72	1	No Gas	-0.039	ug/l	2440.89
Zn	66	72	3	He	-0.030	ug/l	518.90
As	75	72	1	No Gas	-1.560	ug/l	10996.18
As	75	72	3	He	-0.218	ug/l	577.27
Se	78	72	2	H2	0.028	ug/l	64.34
Br	79	72	1	No Gas	1.035	ug/l	18611.80
Br	79	72	2	H2	0.832	ug/l	9887.14
Se	82	72	1	No Gas	-0.244	ug/l	885.96
Kr	84	72	1	No Gas		ug/l	24675.56
Sr	88	72	1	No Gas	0.001	ug/l	618.79
Sr	88	72	3	He	0.003	ug/l	183.33
Mo	95	115	1	No Gas	0.004	ug/l	126.67
Mo	95	115	3	He	0.006	ug/l	52.22
Mo	98	115	1	No Gas	0.007	ug/l	239.39
Ag	107	115	1	No Gas	0.001	ug/l	1494.68
Ag	109	115	1	No Gas	-0.003	ug/l	1461.33
Cd	111	115	1	No Gas	0.016	ug/l	57.02

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.015	ug/l	27.67
Cd	114	115	1	No Gas	0.012	ug/l	-11.64
Cd	114	115	3	He	0.015	ug/l	69.52
Sn	118	115	1	No Gas	0.030	ug/l	1544.44
Sn	118	115	3	He	-0.002	ug/l	334.45
Sb	121	115	1	No Gas	0.018	ug/l	714.09
Sb	121	115	3	He	0.020	ug/l	221.69
Sb	123	115	1	No Gas	0.020	ug/l	576.41
Sb	123	115	3	He	0.022	ug/l	193.02
Ba	135	115	1	No Gas	-0.002	ug/l	23.29
Ba	137	115	1	No Gas	0.002	ug/l	56.55
La	139	115	3	He	0.000	ug/l	8.89
Ce	140	115	3	He	0.000	ug/l	12.22
Hg	201	209	1	No Gas	-0.004	ug/l	25.33
Hg	202	209	1	No Gas	-0.001	ug/l	64.99
Hg	202	209	3	He	-0.001	ug/l	28.66
Tl	203	209	3	He	0.030	ug/l	339.47
Tl	205	209	1	No Gas	0.028	ug/l	1480.09
Tl	205	209	3	He	0.028	ug/l	825.69
[Pb]	206	209	1	No Gas	0.008	ug/l	216.67
[Pb]	207	209	1	No Gas	0.015	ug/l	247.78
Pb	208	209	1	No Gas	0.010	ug/l	923.35
Th	232	209	3	He	0.048	ug/l	1313.27
U	238	209	1	No Gas	0.008	ug/l	335.61

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3918029.85	101.6
Sc	45	2	H2	2003172.08	89.4
Sc	45	3	He	265159.26	100.4
Ge	72	1	No Gas	941096.72	98.8
Ge	72	2	H2	668557.36	94.8
Ge	72	3	He	158825.39	100.6
In	115	1	No Gas	5699730.82	102.3
In	115	3	He	1512147.97	101.1
Tb	159	1	No Gas	6894210.74	98.3
Tb	159	3	He	3320266.42	98.9
Ho	165	1	No Gas	6754628.66	98.4
Ho	165	3	He	3289681.42	100.6
Lu	175	1	No Gas	6729156.42	98.4
Lu	175	3	He	2868808.34	100.6
Bi	209	1	No Gas	4298532.32	99.9
Bi	209	3	He	2218547.84	99.9

ICPMS207-B Analytical Data

Sample Name	QCS
File Name	020_QC1.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 13:23:51
Sample Type	QC1
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	53.780	ug/l	728390.93
Be	9	45	1	No Gas	25.388	ug/l	137596.45
B	11	45	1	No Gas	57.105	ug/l	178285.62
Na	23	45	3	He	2655.870	ug/l	2527379.41
Mg	24	45	3	He	2647.412	ug/l	1399200.26
Al	27	45	1	No Gas	270.395	ug/l	5597331.38
Si	28	45	2	H2	485.143	ug/l	1108489.60
K	39	72	3	He	2563.878	ug/l	1634955.20
Ca	40	72	2	H2	2591.182	ug/l	20275446.61
Ti	47	72	1	No Gas	49.643	ug/l	108057.39
V	51	72	1	No Gas	45.442	ug/l	1284245.15
V	51	72	3	He	44.022	ug/l	248647.92
Cr	52	72	1	No Gas	49.385	ug/l	1335086.50
Cr	52	72	3	He	49.334	ug/l	262585.04
Mn	55	72	1	No Gas	260.955	ug/l	8442764.17
Mn	55	72	3	He	256.998	ug/l	906310.98
Fe	56	72	2	H2	255.516	ug/l	4203076.36
Fe	56	72	3	He	249.402	ug/l	1211395.95
Co	59	72	1	No Gas	52.197	ug/l	1396708.99
Ni	60	72	1	No Gas	50.965	ug/l	313277.33
Ni	60	72	3	He	51.930	ug/l	100259.05
Cu	63	72	1	No Gas	52.269	ug/l	764012.07
Cu	63	72	3	He	52.592	ug/l	268626.11
Cu	65	72	1	No Gas	52.659	ug/l	365706.28
Zn	66	72	1	No Gas	49.932	ug/l	257708.16
Zn	66	72	3	He	52.871	ug/l	62208.95
As	75	72	1	No Gas	52.159	ug/l	339292.11
As	75	72	3	He	49.394	ug/l	58948.96
Se	78	72	2	H2	50.523	ug/l	31955.12
Br	79	72	1	No Gas	0.434	ug/l	11768.14
Br	79	72	2	H2	0.506	ug/l	7746.71
Se	82	72	1	No Gas	51.454	ug/l	18261.44
Kr	84	72	1	No Gas		ug/l	37934.70
Sr	88	72	1	No Gas	51.753	ug/l	2020612.19
Sr	88	72	3	He	49.483	ug/l	274094.21
Mo	95	115	1	No Gas	48.172	ug/l	364149.08
Mo	95	115	3	He	48.095	ug/l	139647.77
Mo	98	115	1	No Gas	47.028	ug/l	572825.85
Ag	107	115	1	No Gas	25.190	ug/l	485400.03
Ag	109	115	1	No Gas	24.915	ug/l	461753.01
Cd	111	115	1	No Gas	25.736	ug/l	106100.53

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	25.254	ug/l	39454.70
Cd	114	115	1	No Gas	24.813	ug/l	234414.13
Cd	114	115	3	He	24.586	ug/l	94908.04
Sn	118	115	1	No Gas	49.279	ug/l	577467.86
Sn	118	115	3	He	49.124	ug/l	181062.86
Sb	121	115	1	No Gas	45.154	ug/l	842316.40
Sb	121	115	3	He	47.076	ug/l	276662.00
Sb	123	115	1	No Gas	44.539	ug/l	640430.91
Sb	123	115	3	He	46.716	ug/l	217149.47
Ba	135	115	1	No Gas	52.961	ug/l	186735.57
Ba	137	115	1	No Gas	51.868	ug/l	325496.83
La	139	115	3	He	49.494	ug/l	1021161.11
Ce	140	115	3	He	49.825	ug/l	1094664.57
Hg	201	209	1	No Gas	0.936	ug/l	2021.09
Hg	202	209	1	No Gas	0.961	ug/l	4626.55
Hg	202	209	3	He	0.992	ug/l	2509.07
Tl	203	209	3	He	47.078	ug/l	314215.97
Tl	205	209	1	No Gas	48.944	ug/l	1391437.39
Tl	205	209	3	He	46.068	ug/l	740515.86
[Pb]	206	209	1	No Gas	48.912	ug/l	479314.67
[Pb]	207	209	1	No Gas	49.628	ug/l	415361.52
Pb	208	209	1	No Gas	49.433	ug/l	1912065.83
Th	232	209	3	He	45.769	ug/l	993933.46
U	238	209	1	No Gas	51.370	ug/l	1906352.77

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3770190.60	97.7
Sc	45	2	H2	1970664.47	88.0
Sc	45	3	He	264427.96	100.1
Ge	72	1	No Gas	921489.32	96.7
Ge	72	2	H2	672713.28	95.4
Ge	72	3	He	158519.59	100.4
In	115	1	No Gas	5414300.35	97.2
In	115	3	He	1505660.20	100.6
Tb	159	1	No Gas	6666479.79	95.1
Tb	159	3	He	3254927.52	96.9
Ho	165	1	No Gas	6309294.12	91.9
Ho	165	3	He	3234454.00	98.9
Lu	175	1	No Gas	6363482.01	93.0
Lu	175	3	He	2899332.22	101.6
Bi	209	1	No Gas	4173561.79	97.0
Bi	209	3	He	2266412.32	102.0

ICPMS207-B Analytical Data

Sample Name	CCV
File Name	021_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 13:30:05
Sample Type	CCV
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	638.680	ug/l	8900875.48
Be	9	45	1	No Gas	50.336	ug/l	283880.70
B	11	45	1	No Gas	55.324	ug/l	180215.84
Na	23	45	3	He	13216.754	ug/l	12581713.98
Mg	24	45	3	He	13063.906	ug/l	6992236.96
Al	27	45	1	No Gas	52.161	ug/l	1140657.95
Si	28	45	2	H2	227.053	ug/l	529453.45
K	39	72	3	He	12951.877	ug/l	7652955.58
Ca	40	72	2	H2	13232.540	ug/l	102756396.11
Ti	47	72	1	No Gas	50.087	ug/l	112858.29
V	51	72	1	No Gas	43.718	ug/l	1283485.30
V	51	72	3	He	45.772	ug/l	255437.18
Cr	52	72	1	No Gas	46.648	ug/l	1314099.97
Cr	52	72	3	He	51.277	ug/l	271167.89
Mn	55	72	1	No Gas	50.323	ug/l	1693904.37
Mn	55	72	3	He	52.225	ug/l	183164.92
Fe	56	72	2	H2	1378.808	ug/l	22606148.06
Fe	56	72	3	He	1342.176	ug/l	6446045.71
Co	59	72	1	No Gas	50.166	ug/l	1388324.81
Ni	60	72	1	No Gas	49.388	ug/l	314285.29
Ni	60	72	3	He	53.668	ug/l	102975.87
Cu	63	72	1	No Gas	50.367	ug/l	762560.04
Cu	63	72	3	He	52.378	ug/l	265884.02
Cu	65	72	1	No Gas	50.011	ug/l	359427.67
Zn	66	72	1	No Gas	47.922	ug/l	256399.05
Zn	66	72	3	He	52.796	ug/l	61747.81
As	75	72	1	No Gas	51.223	ug/l	345162.11
As	75	72	3	He	50.874	ug/l	60316.91
Se	78	72	2	H2	51.712	ug/l	32655.54
Br	79	72	1	No Gas	0.473	ug/l	12637.14
Br	79	72	2	H2	0.488	ug/l	7613.59
Se	82	72	1	No Gas	50.838	ug/l	18690.80
Kr	84	72	1	No Gas		ug/l	37894.57
Sr	88	72	1	No Gas	50.120	ug/l	2025038.15
Sr	88	72	3	He	50.516	ug/l	278112.97
Mo	95	115	1	No Gas	48.164	ug/l	369090.54
Mo	95	115	3	He	50.989	ug/l	146373.63
Mo	98	115	1	No Gas	49.279	ug/l	609111.56
Ag	107	115	1	No Gas	19.485	ug/l	381103.59
Ag	109	115	1	No Gas	19.652	ug/l	369655.50
Cd	111	115	1	No Gas	51.020	ug/l	213266.28

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	51.682	ug/l	79807.52
Cd	114	115	1	No Gas	49.543	ug/l	474557.84
Cd	114	115	3	He	50.601	ug/l	193065.88
Sn	118	115	1	No Gas	49.378	ug/l	586355.97
Sn	118	115	3	He	50.644	ug/l	184504.02
Sb	121	115	1	No Gas	51.493	ug/l	972529.72
Sb	121	115	3	He	51.786	ug/l	300848.01
Sb	123	115	1	No Gas	50.412	ug/l	733849.31
Sb	123	115	3	He	51.442	ug/l	236374.14
Ba	135	115	1	No Gas	50.723	ug/l	181497.40
Ba	137	115	1	No Gas	49.513	ug/l	314756.09
La	139	115	3	He	51.173	ug/l	1043566.17
Ce	140	115	3	He	50.596	ug/l	1098767.47
Hg	201	209	1	No Gas	0.981	ug/l	2088.08
Hg	202	209	1	No Gas	0.996	ug/l	4721.23
Hg	202	209	3	He	1.036	ug/l	2520.74
Tl	203	209	3	He	48.487	ug/l	311240.32
Tl	205	209	1	No Gas	45.709	ug/l	1277663.27
Tl	205	209	3	He	48.138	ug/l	744297.64
[Pb]	206	209	1	No Gas	49.826	ug/l	481151.59
[Pb]	207	209	1	No Gas	50.975	ug/l	420586.65
Pb	208	209	1	No Gas	50.211	ug/l	1913815.62
Th	232	209	3	He	49.346	ug/l	1030684.39
U	238	209	1	No Gas	49.583	ug/l	1812269.49

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3908871.99	101.3
Sc	45	2	H2	1983443.04	88.5
Sc	45	3	He	267969.58	101.4
Ge	72	1	No Gas	951815.36	99.9
Ge	72	2	H2	671532.36	95.2
Ge	72	3	He	157552.61	99.8
In	115	1	No Gas	5484604.01	98.5
In	115	3	He	1488026.06	99.5
Tb	159	1	No Gas	6759845.75	96.4
Tb	159	3	He	3313633.57	98.7
Ho	165	1	No Gas	6608645.55	96.3
Ho	165	3	He	3325796.33	101.7
Lu	175	1	No Gas	6644756.09	97.1
Lu	175	3	He	2856548.84	100.1
Bi	209	1	No Gas	4114097.50	95.6
Bi	209	3	He	2179882.16	98.1

ICPMS207-B Analytical Data

Sample Name	CCB
File Name	022_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 13:36:20
Sample Type	CCB
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.881	ug/l	23500.81
Be	9	45	1	No Gas	-0.041	ug/l	326.94
B	11	45	1	No Gas	1.904	ug/l	7215.29
Na	23	45	3	He	1.284	ug/l	42024.04
Mg	24	45	3	He	-0.366	ug/l	1008.04
Al	27	45	1	No Gas	-0.234	ug/l	12660.95
Si	28	45	2	H2	-1.833	ug/l	9685.03
K	39	72	3	He	20.434	ug/l	145897.94
Ca	40	72	2	H2	1.741	ug/l	168814.78
Ti	47	72	1	No Gas	-0.001	ug/l	380.39
V	51	72	1	No Gas	-1.906	ug/l	-38723.11
V	51	72	3	He	-3.926	ug/l	18439.38
Cr	52	72	1	No Gas	-1.456	ug/l	84684.13
Cr	52	72	3	He	0.009	ug/l	1712.34
Mn	55	72	1	No Gas	0.030	ug/l	12643.72
Mn	55	72	3	He	-0.003	ug/l	155.64
Fe	56	72	2	H2	0.013	ug/l	9674.60
Fe	56	72	3	He	0.083	ug/l	7614.66
Co	59	72	1	No Gas	0.001	ug/l	455.77
Ni	60	72	1	No Gas	0.041	ug/l	1041.31
Ni	60	72	3	He	0.002	ug/l	137.78
Cu	63	72	1	No Gas	0.026	ug/l	2117.67
Cu	63	72	3	He	0.011	ug/l	473.91
Cu	65	72	1	No Gas	-0.015	ug/l	901.06
Zn	66	72	1	No Gas	-0.118	ug/l	1994.65
Zn	66	72	3	He	-0.105	ug/l	418.90
As	75	72	1	No Gas	-1.621	ug/l	10484.12
As	75	72	3	He	-0.183	ug/l	601.13
Se	78	72	2	H2	0.004	ug/l	50.00
Br	79	72	1	No Gas	0.297	ug/l	10369.88
Br	79	72	2	H2	0.198	ug/l	5719.83
Se	82	72	1	No Gas	-0.066	ug/l	934.37
Kr	84	72	1	No Gas		ug/l	24598.95
Sr	88	72	1	No Gas	-0.004	ug/l	425.83
Sr	88	72	3	He	0.000	ug/l	162.22
Mo	95	115	1	No Gas	0.047	ug/l	452.23
Mo	95	115	3	He	0.045	ug/l	162.22
Mo	98	115	1	No Gas	0.049	ug/l	752.60
Ag	107	115	1	No Gas	0.005	ug/l	1548.05
Ag	109	115	1	No Gas	0.004	ug/l	1554.71
Cd	111	115	1	No Gas	0.011	ug/l	30.55

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.008	ug/l	16.11
Cd	114	115	1	No Gas	0.006	ug/l	-70.04
Cd	114	115	3	He	0.007	ug/l	38.59
Sn	118	115	1	No Gas	0.025	ug/l	1407.29
Sn	118	115	3	He	0.017	ug/l	397.79
Sb	121	115	1	No Gas	0.093	ug/l	2130.38
Sb	121	115	3	He	0.075	ug/l	539.40
Sb	123	115	1	No Gas	0.089	ug/l	1571.25
Sb	123	115	3	He	0.079	ug/l	453.39
Ba	135	115	1	No Gas	0.000	ug/l	29.94
Ba	137	115	1	No Gas	-0.002	ug/l	29.94
La	139	115	3	He	0.000	ug/l	15.55
Ce	140	115	3	He	0.000	ug/l	11.11
Hg	201	209	1	No Gas	0.000	ug/l	34.99
Hg	202	209	1	No Gas	0.003	ug/l	80.98
Hg	202	209	3	He	0.001	ug/l	33.32
Tl	203	209	3	He	0.092	ug/l	744.32
Tl	205	209	1	No Gas	0.088	ug/l	3181.51
Tl	205	209	3	He	0.089	ug/l	1772.17
[Pb]	206	209	1	No Gas	0.005	ug/l	187.78
[Pb]	207	209	1	No Gas	0.005	ug/l	160.00
Pb	208	209	1	No Gas	0.005	ug/l	722.23
Th	232	209	3	He	0.046	ug/l	1267.91
U	238	209	1	No Gas	0.006	ug/l	236.29

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3842561.95	99.6
Sc	45	2	H2	1987690.68	88.7
Sc	45	3	He	264363.42	100.1
Ge	72	1	No Gas	923346.04	96.9
Ge	72	2	H2	679268.22	96.3
Ge	72	3	He	154449.29	97.8
In	115	1	No Gas	5539008.83	99.4
In	115	3	He	1486042.65	99.3
Tb	159	1	No Gas	6746617.58	96.2
Tb	159	3	He	3307006.50	98.5
Ho	165	1	No Gas	6470759.54	94.3
Ho	165	3	He	3226697.05	98.7
Lu	175	1	No Gas	6587995.63	96.3
Lu	175	3	He	2834651.40	99.4
Bi	209	1	No Gas	4210152.19	97.8
Bi	209	3	He	2221097.60	100.0

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	023BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 13:42:34
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.487	ug/l	18571.40
Be	9	45	1	No Gas	-0.047	ug/l	299.28
B	11	45	1	No Gas	1.460	ug/l	5947.56
Na	23	45	3	He	0.969	ug/l	40543.28
Mg	24	45	3	He	-0.486	ug/l	918.21
Al	27	45	1	No Gas	-0.261	ug/l	12397.39
Si	28	45	2	H2	-1.897	ug/l	9610.29
K	39	72	3	He	16.058	ug/l	143298.42
Ca	40	72	2	H2	1.132	ug/l	162865.11
Ti	47	72	1	No Gas	0.002	ug/l	392.07
V	51	72	1	No Gas	-0.272	ug/l	6609.12
V	51	72	3	He	-4.023	ug/l	17972.10
Cr	52	72	1	No Gas	-1.550	ug/l	83172.10
Cr	52	72	3	He	-0.008	ug/l	1623.43
Mn	55	72	1	No Gas	0.036	ug/l	12986.68
Mn	55	72	3	He	-0.008	ug/l	139.97
Fe	56	72	2	H2	-0.046	ug/l	8637.90
Fe	56	72	3	He	-0.039	ug/l	7037.13
Co	59	72	1	No Gas	-0.002	ug/l	382.58
Ni	60	72	1	No Gas	0.027	ug/l	968.12
Ni	60	72	3	He	-0.002	ug/l	131.11
Cu	63	72	1	No Gas	0.015	ug/l	1976.26
Cu	63	72	3	He	0.008	ug/l	460.91
Cu	65	72	1	No Gas	-0.018	ug/l	887.72
Zn	66	72	1	No Gas	-0.163	ug/l	1781.67
Zn	66	72	3	He	-0.091	ug/l	434.45
As	75	72	1	No Gas	-1.629	ug/l	10509.82
As	75	72	3	He	-0.176	ug/l	607.93
Se	78	72	2	H2	-0.012	ug/l	39.56
Br	79	72	1	No Gas	0.218	ug/l	9630.78
Br	79	72	2	H2	0.223	ug/l	5849.59
Se	82	72	1	No Gas	0.111	ug/l	1006.51
Kr	84	72	1	No Gas		ug/l	24072.34
Sr	88	72	1	No Gas	-0.003	ug/l	462.42
Sr	88	72	3	He	-0.001	ug/l	155.56
Mo	95	115	1	No Gas	0.009	ug/l	165.56
Mo	95	115	3	He	0.015	ug/l	76.67
Mo	98	115	1	No Gas	0.009	ug/l	264.59
Ag	107	115	1	No Gas	0.000	ug/l	1481.34
Ag	109	115	1	No Gas	-0.006	ug/l	1400.63
Cd	111	115	1	No Gas	0.015	ug/l	51.87

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.004	ug/l	11.11
Cd	114	115	1	No Gas	0.008	ug/l	-52.72
Cd	114	115	3	He	0.005	ug/l	32.09
Sn	118	115	1	No Gas	-0.004	ug/l	1084.57
Sn	118	115	3	He	0.013	ug/l	383.34
Sb	121	115	1	No Gas	0.037	ug/l	1083.15
Sb	121	115	3	He	0.037	ug/l	317.70
Sb	123	115	1	No Gas	0.037	ug/l	816.77
Sb	123	115	3	He	0.035	ug/l	251.03
Ba	135	115	1	No Gas	0.000	ug/l	29.94
Ba	137	115	1	No Gas	-0.003	ug/l	23.29
La	139	115	3	He	0.000	ug/l	11.11
Ce	140	115	3	He	0.000	ug/l	16.67
Hg	201	209	1	No Gas	-0.006	ug/l	22.67
Hg	202	209	1	No Gas	0.000	ug/l	66.99
Hg	202	209	3	He	0.001	ug/l	33.66
Tl	203	209	3	He	0.037	ug/l	376.16
Tl	205	209	1	No Gas	0.022	ug/l	1307.85
Tl	205	209	3	He	0.033	ug/l	891.72
[Pb]	206	209	1	No Gas	0.003	ug/l	172.23
[Pb]	207	209	1	No Gas	0.000	ug/l	117.78
Pb	208	209	1	No Gas	0.002	ug/l	602.23
Th	232	209	3	He	0.013	ug/l	565.58
U	238	209	1	No Gas	0.002	ug/l	82.65

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3936377.24	102.1
Sc	45	2	H2	2002063.03	89.4
Sc	45	3	He	256855.50	97.2
Ge	72	1	No Gas	932225.23	97.8
Ge	72	2	H2	674590.45	95.6
Ge	72	3	He	154310.47	97.7
In	115	1	No Gas	5653468.94	101.5
In	115	3	He	1483661.70	99.2
Tb	159	1	No Gas	6982492.66	99.6
Tb	159	3	He	3380215.15	100.6
Ho	165	1	No Gas	6810705.05	99.2
Ho	165	3	He	3294864.25	100.7
Lu	175	1	No Gas	6799286.91	99.4
Lu	175	3	He	2800332.00	98.2
Bi	209	1	No Gas	4282946.49	99.5
Bi	209	3	He	2190214.10	98.6

ICPMS207-B Analytical Data

Sample Name	LRB
File Name	024MBLK.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 13:48:49
Sample Type	MBLK
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.408	ug/l	16942.21
Be	9	45	1	No Gas	-0.046	ug/l	294.28
B	11	45	1	No Gas	1.196	ug/l	4946.80
Na	23	45	3	He	7.040	ug/l	46168.29
Mg	24	45	3	He	2.448	ug/l	2428.78
Al	27	45	1	No Gas	0.038	ug/l	18335.67
Si	28	45	2	H2	-0.023	ug/l	13712.11
K	39	72	3	He	21.099	ug/l	143314.38
Ca	40	72	2	H2	5.054	ug/l	189568.35
Ti	47	72	1	No Gas	-0.003	ug/l	378.72
V	51	72	1	No Gas	-1.282	ug/l	-22221.27
V	51	72	3	He	-4.004	ug/l	17708.48
Cr	52	72	1	No Gas	-1.527	ug/l	83336.30
Cr	52	72	3	He	0.004	ug/l	1654.55
Mn	55	72	1	No Gas	0.064	ug/l	13845.79
Mn	55	72	3	He	0.003	ug/l	175.30
Fe	56	72	2	H2	0.191	ug/l	12297.54
Fe	56	72	3	He	0.111	ug/l	7591.29
Co	59	72	1	No Gas	0.002	ug/l	485.72
Ni	60	72	1	No Gas	0.045	ug/l	1084.56
Ni	60	72	3	He	-0.003	ug/l	126.67
Cu	63	72	1	No Gas	0.044	ug/l	2395.83
Cu	63	72	3	He	0.037	ug/l	591.90
Cu	65	72	1	No Gas	0.007	ug/l	1063.80
Zn	66	72	1	No Gas	0.118	ug/l	3215.91
Zn	66	72	3	He	0.279	ug/l	838.92
As	75	72	1	No Gas	-0.426	ug/l	17608.38
As	75	72	3	He	-0.178	ug/l	593.80
Se	78	72	2	H2	-0.015	ug/l	36.33
Br	79	72	1	No Gas	0.171	ug/l	9124.83
Br	79	72	2	H2	0.127	ug/l	5100.82
Se	82	72	1	No Gas	-0.301	ug/l	866.10
Kr	84	72	1	No Gas		ug/l	23559.13
Sr	88	72	1	No Gas	0.024	ug/l	1517.07
Sr	88	72	3	He	0.028	ug/l	306.67
Mo	95	115	1	No Gas	0.006	ug/l	132.22
Mo	95	115	3	He	0.007	ug/l	53.33
Mo	98	115	1	No Gas	0.004	ug/l	193.34
Ag	107	115	1	No Gas	-0.067	ug/l	122.71
Ag	109	115	1	No Gas	-0.071	ug/l	136.06
Cd	111	115	1	No Gas	0.011	ug/l	32.68

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.005	ug/l	12.00
Cd	114	115	1	No Gas	0.020	ug/l	63.96
Cd	114	115	3	He	0.004	ug/l	25.53
Sn	118	115	1	No Gas	0.026	ug/l	1387.32
Sn	118	115	3	He	0.030	ug/l	445.56
Sb	121	115	1	No Gas	0.025	ug/l	817.44
Sb	121	115	3	He	0.024	ug/l	243.36
Sb	123	115	1	No Gas	0.026	ug/l	627.41
Sb	123	115	3	He	0.024	ug/l	201.69
Ba	135	115	1	No Gas	0.012	ug/l	73.19
Ba	137	115	1	No Gas	0.010	ug/l	106.45
La	139	115	3	He	0.000	ug/l	13.33
Ce	140	115	3	He	0.001	ug/l	18.89
Hg	201	209	1	No Gas	-0.004	ug/l	25.33
Hg	202	209	1	No Gas	-0.001	ug/l	63.32
Hg	202	209	3	He	0.002	ug/l	36.32
Tl	203	209	3	He	0.016	ug/l	249.44
Tl	205	209	1	No Gas	0.012	ug/l	1006.71
Tl	205	209	3	He	0.017	ug/l	656.95
[Pb]	206	209	1	No Gas	0.006	ug/l	198.89
[Pb]	207	209	1	No Gas	0.010	ug/l	197.78
Pb	208	209	1	No Gas	0.007	ug/l	814.46
Th	232	209	3	He	0.008	ug/l	459.53
U	238	209	1	No Gas	0.002	ug/l	76.99

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3855411.13	100.0
Sc	45	2	H2	1975443.22	88.2
Sc	45	3	He	257440.61	97.4
Ge	72	1	No Gas	932949.78	97.9
Ge	72	2	H2	661284.25	93.7
Ge	72	3	He	151297.74	95.8
In	115	1	No Gas	5458265.64	98.0
In	115	3	He	1481792.85	99.1
Tb	159	1	No Gas	6777586.83	96.6
Tb	159	3	He	3338066.10	99.4
Ho	165	1	No Gas	6518868.74	95.0
Ho	165	3	He	3240118.67	99.1
Lu	175	1	No Gas	6617722.75	96.7
Lu	175	3	He	2857724.92	100.2
Bi	209	1	No Gas	4282712.01	99.5
Bi	209	3	He	2252660.39	101.4

ICPMS207-B Analytical Data

Sample Name	LFB
File Name	025_LFB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 13:55:04
Sample Type	LFB
Total Dilution	1.0300
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	2475.129	ug/l	32681269.09
Be	9	45	1	No Gas	49.324	ug/l	263941.18
B	11	45	1	No Gas	51.851	ug/l	160332.66
Na	23	45	3	He	53002.453	ug/l	46837652.08
Mg	24	45	3	He	51285.389	ug/l	25542549.73
Al	27	45	1	No Gas	51.024	ug/l	1059729.05
Si	28	45	2	H2	196.216	ug/l	426389.69
K	39	72	3	He	50512.924	ug/l	27820709.31
Ca	40	72	2	H2	51059.928	ug/l	374455445.59
Ti	47	72	1	No Gas	53.620	ug/l	116380.63
V	51	72	1	No Gas	45.578	ug/l	1289370.99
V	51	72	3	He	47.564	ug/l	250413.21
Cr	52	72	1	No Gas	48.153	ug/l	1306404.69
Cr	52	72	3	He	49.362	ug/l	246693.43
Mn	55	72	1	No Gas	48.401	ug/l	1571276.72
Mn	55	72	3	He	51.083	ug/l	169253.01
Fe	56	72	2	H2	5152.396	ug/l	79849960.48
Fe	56	72	3	He	5069.421	ug/l	22977406.18
Co	59	72	1	No Gas	48.374	ug/l	1291343.82
Ni	60	72	1	No Gas	47.077	ug/l	288834.60
Ni	60	72	3	He	52.157	ug/l	94544.75
Cu	63	72	1	No Gas	47.803	ug/l	697484.79
Cu	63	72	3	He	50.782	ug/l	243509.78
Cu	65	72	1	No Gas	47.329	ug/l	327946.81
Zn	66	72	1	No Gas	48.614	ug/l	250540.91
Zn	66	72	3	He	54.694	ug/l	60420.22
As	75	72	1	No Gas	51.246	ug/l	333589.48
As	75	72	3	He	50.706	ug/l	56814.12
Se	78	72	2	H2	50.767	ug/l	30320.95
Br	79	72	1	No Gas	0.511	ug/l	12783.71
Br	79	72	2	H2	0.495	ug/l	7363.98
Se	82	72	1	No Gas	49.106	ug/l	17445.04
Kr	84	72	1	No Gas		ug/l	35743.31
Sr	88	72	1	No Gas	48.230	ug/l	1878205.36
Sr	88	72	3	He	49.846	ug/l	259175.35
Mo	95	115	1	No Gas	49.222	ug/l	351376.62
Mo	95	115	3	He	51.537	ug/l	138375.09
Mo	98	115	1	No Gas	48.507	ug/l	558446.03
Ag	107	115	1	No Gas	20.260	ug/l	368857.02
Ag	109	115	1	No Gas	20.047	ug/l	351327.88
Cd	111	115	1	No Gas	50.631	ug/l	197127.22

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	51.434	ug/l	74296.78
Cd	114	115	1	No Gas	48.677	ug/l	434319.35
Cd	114	115	3	He	50.426	ug/l	179967.73
Sn	118	115	1	No Gas	48.608	ug/l	538047.81
Sn	118	115	3	He	50.598	ug/l	172426.76
Sb	121	115	1	No Gas	51.130	ug/l	899027.41
Sb	121	115	3	He	51.061	ug/l	277491.81
Sb	123	115	1	No Gas	50.343	ug/l	682658.59
Sb	123	115	3	He	50.991	ug/l	219168.78
Ba	135	115	1	No Gas	50.838	ug/l	169409.76
Ba	137	115	1	No Gas	48.355	ug/l	286655.82
La	139	115	3	He	0.006	ug/l	112.22
Ce	140	115	3	He	50.941	ug/l	1034813.47
Hg	201	209	1	No Gas	1.020	ug/l	1977.75
Hg	202	209	1	No Gas	1.043	ug/l	4502.53
Hg	202	209	3	He	1.072	ug/l	2422.41
Tl	203	209	3	He	49.438	ug/l	294888.52
Tl	205	209	1	No Gas	51.660	ug/l	1318052.53
Tl	205	209	3	He	49.071	ug/l	705050.43
[Pb]	206	209	1	No Gas	50.694	ug/l	445887.50
[Pb]	207	209	1	No Gas	51.484	ug/l	386827.12
Pb	208	209	1	No Gas	51.137	ug/l	1775214.79
Th	232	209	3	He	50.015	ug/l	970793.53
U	238	209	1	No Gas	51.986	ug/l	1731366.15

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3808356.77	98.7
Sc	45	2	H2	1894094.80	84.5
Sc	45	3	He	256867.75	97.2
Ge	72	1	No Gas	943711.14	99.0
Ge	72	2	H2	654038.86	92.7
Ge	72	3	He	153278.04	97.1
In	115	1	No Gas	5241646.80	94.1
In	115	3	He	1433707.27	95.8
Tb	159	1	No Gas	6714267.31	95.7
Tb	159	3	He	3251821.24	96.8
Ho	165	1	No Gas	6605330.31	96.2
Ho	165	3	He	3191272.17	97.6
Lu	175	1	No Gas	6598772.60	96.5
Lu	175	3	He	2819981.44	98.8
Bi	209	1	No Gas	3847994.20	89.4
Bi	209	3	He	2086379.04	93.9

ICPMS207-B Analytical Data

Sample Name	ICSA
File Name	026ICSA.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 14:01:20
Sample Type	ICSA
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1.595	ug/l	31303.93
Be	9	45	1	No Gas	-0.064	ug/l	186.30
B	11	45	1	No Gas	1.278	ug/l	4902.76
Na	23	45	3	He	103615.540	ug/l	89884584.22
Mg	24	45	3	He	41652.065	ug/l	20370997.28
Al	27	45	1	No Gas	40556.609	ug/l	809445267.94
Si	28	45	2	H2	-0.361	ug/l	11818.11
K	39	72	3	He	39136.684	ug/l	21587501.62
Ca	40	72	2	H2	117085.869	ug/l	841208885.92
Ti	47	72	1	No Gas	835.466	ug/l	1717552.29
V	51	72	1	No Gas	0.148	ug/l	17415.38
V	51	72	3	He	-7.066	ug/l	3647.14
Cr	52	72	1	No Gas	-2.072	ug/l	65438.30
Cr	52	72	3	He	0.844	ug/l	5794.51
Mn	55	72	1	No Gas	0.369	ug/l	22289.37
Mn	55	72	3	He	0.187	ug/l	781.53
Fe	56	72	2	H2	101578.500	ug/l	1543087820.13
Fe	56	72	3	He	100681.617	ug/l	456388305.56
Co	59	72	1	No Gas	0.359	ug/l	9504.27
Ni	60	72	1	No Gas	1.002	ug/l	6575.11
Ni	60	72	3	He	0.214	ug/l	516.68
Cu	63	72	1	No Gas	2.776	ug/l	40032.42
Cu	63	72	3	He	0.129	ug/l	1023.83
Cu	65	72	1	No Gas	0.782	ug/l	6081.06
Zn	66	72	1	No Gas	0.827	ug/l	6453.82
Zn	66	72	3	He	0.523	ug/l	1092.27
As	75	72	1	No Gas	-0.525	ug/l	16259.53
As	75	72	3	He	-0.239	ug/l	517.53
Se	78	72	2	H2	0.171	ug/l	143.22
Br	79	72	1	No Gas	1.078	ug/l	17639.07
Br	79	72	2	H2	0.530	ug/l	7317.37
Se	82	72	1	No Gas	0.027	ug/l	913.17
Kr	84	72	1	No Gas		ug/l	24095.67
Sr	88	72	1	No Gas	1.274	ug/l	47700.97
Sr	88	72	3	He	1.244	ug/l	6622.67
Mo	95	115	1	No Gas	825.536	ug/l	5860101.58
Mo	95	115	3	He	842.393	ug/l	2276181.29
Mo	98	115	1	No Gas	819.807	ug/l	9388762.30
Ag	107	115	1	No Gas	0.008	ug/l	1468.67
Ag	109	115	1	No Gas	0.002	ug/l	1394.63
Cd	111	115	1	No Gas	0.074	ug/l	268.32

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.273	ug/l	400.67
Cd	114	115	1	No Gas	0.079	ug/l	578.56
Cd	114	115	3	He	0.192	ug/l	701.07
Sn	118	115	1	No Gas	0.067	ug/l	1759.97
Sn	118	115	3	He	0.067	ug/l	545.57
Sb	121	115	1	No Gas	0.113	ug/l	2294.42
Sb	121	115	3	He	0.105	ug/l	673.09
Sb	123	115	1	No Gas	0.110	ug/l	1721.62
Sb	123	115	3	He	0.101	ug/l	521.40
Ba	135	115	1	No Gas	0.092	ug/l	332.68
Ba	137	115	1	No Gas	0.090	ug/l	568.89
La	139	115	3	He	0.011	ug/l	223.34
Ce	140	115	3	He	0.005	ug/l	108.89
Hg	201	209	1	No Gas	-0.001	ug/l	30.66
Hg	202	209	1	No Gas	0.001	ug/l	70.65
Hg	202	209	3	He	0.001	ug/l	34.66
Tl	203	209	3	He	0.053	ug/l	479.54
Tl	205	209	1	No Gas	0.039	ug/l	1686.79
Tl	205	209	3	He	0.049	ug/l	1127.17
[Pb]	206	209	1	No Gas	0.027	ug/l	381.12
[Pb]	207	209	1	No Gas	0.024	ug/l	300.01
Pb	208	209	1	No Gas	0.026	ug/l	1448.93
Th	232	209	3	He	0.070	ug/l	1751.49
U	238	209	1	No Gas	0.005	ug/l	195.96

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3622608.68	93.9
Sc	45	2	H2	1803065.66	80.5
Sc	45	3	He	244908.69	92.7
Ge	72	1	No Gas	870860.29	91.4
Ge	72	2	H2	622496.89	88.2
Ge	72	3	He	148863.79	94.3
In	115	1	No Gas	5068737.51	91.0
In	115	3	He	1400996.80	93.7
Tb	159	1	No Gas	6747687.81	96.2
Tb	159	3	He	3449328.69	102.7
Ho	165	1	No Gas	6544675.70	95.4
Ho	165	3	He	3370705.28	103.1
Lu	175	1	No Gas	6545971.89	95.7
Lu	175	3	He	2924529.74	102.5
Bi	209	1	No Gas	3969524.75	92.2
Bi	209	3	He	2188877.11	98.5

ICPMS207-B Analytical Data

Sample Name	ICSAB
File Name	027ICSB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 14:07:36
Sample Type	ICSAB
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1.179	ug/l	27544.51
Be	9	45	1	No Gas	-0.069	ug/l	169.64
B	11	45	1	No Gas	0.952	ug/l	4172.93
Na	23	45	3	He	102686.184	ug/l	88642409.79
Mg	24	45	3	He	41509.522	ug/l	20202144.57
Al	27	45	1	No Gas	38340.065	ug/l	811505783.46
Si	28	45	2	H2	-0.035	ug/l	12574.39
K	39	72	3	He	39351.128	ug/l	21601905.51
Ca	40	72	2	H2	119862.405	ug/l	861787336.98
Ti	47	72	1	No Gas	788.521	ug/l	1706232.80
V	51	72	1	No Gas	19.597	ug/l	562101.57
V	51	72	3	He	12.082	ug/l	89349.20
Cr	52	72	1	No Gas	16.492	ug/l	524868.17
Cr	52	72	3	He	19.950	ug/l	100168.71
Mn	55	72	1	No Gas	19.491	ug/l	639294.24
Mn	55	72	3	He	19.752	ug/l	65237.55
Fe	56	72	2	H2	104045.595	ug/l	1582055519.79
Fe	56	72	3	He	100496.339	ug/l	453280414.45
Co	59	72	1	No Gas	19.800	ug/l	528621.83
Ni	60	72	1	No Gas	19.507	ug/l	120078.02
Ni	60	72	3	He	20.743	ug/l	37499.18
Cu	63	72	1	No Gas	21.842	ug/l	319554.64
Cu	63	72	3	He	20.068	ug/l	96022.24
Cu	65	72	1	No Gas	19.595	ug/l	136316.28
Zn	66	72	1	No Gas	10.144	ug/l	54285.59
Zn	66	72	3	He	10.656	ug/l	12125.11
As	75	72	1	No Gas	10.512	ug/l	84455.53
As	75	72	3	He	9.562	ug/l	11290.81
Se	78	72	2	H2	10.307	ug/l	6074.82
Br	79	72	1	No Gas	1.011	ug/l	17858.89
Br	79	72	2	H2	0.562	ug/l	7530.36
Se	82	72	1	No Gas	11.202	ug/l	4712.31
Kr	84	72	1	No Gas		ug/l	41997.51
Sr	88	72	1	No Gas	1.260	ug/l	49600.41
Sr	88	72	3	He	1.218	ug/l	6454.82
Mo	95	115	1	No Gas	777.962	ug/l	5978068.04
Mo	95	115	3	He	844.494	ug/l	2290541.25
Mo	98	115	1	No Gas	769.695	ug/l	9535714.51
Ag	107	115	1	No Gas	4.587	ug/l	90994.88
Ag	109	115	1	No Gas	4.592	ug/l	87731.69
Cd	111	115	1	No Gas	9.640	ug/l	40397.21

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	10.415	ug/l	15203.33
Cd	114	115	1	No Gas	9.402	ug/l	90204.69
Cd	114	115	3	He	10.087	ug/l	36381.61
Sn	118	115	1	No Gas	0.081	ug/l	2059.40
Sn	118	115	3	He	0.088	ug/l	620.02
Sb	121	115	1	No Gas	0.073	ug/l	1727.28
Sb	121	115	3	He	0.078	ug/l	526.40
Sb	123	115	1	No Gas	0.071	ug/l	1301.53
Sb	123	115	3	He	0.093	ug/l	491.11
Ba	135	115	1	No Gas	0.102	ug/l	395.89
Ba	137	115	1	No Gas	0.100	ug/l	682.00
La	139	115	3	He	0.012	ug/l	242.22
Ce	140	115	3	He	0.005	ug/l	101.11
Hg	201	209	1	No Gas	-0.001	ug/l	30.66
Hg	202	209	1	No Gas	0.002	ug/l	77.32
Hg	202	209	3	He	0.004	ug/l	40.99
Tl	203	209	3	He	0.028	ug/l	323.47
Tl	205	209	1	No Gas	0.015	ug/l	1067.83
Tl	205	209	3	He	0.024	ug/l	743.66
[Pb]	206	209	1	No Gas	0.029	ug/l	416.68
[Pb]	207	209	1	No Gas	0.032	ug/l	384.45
Pb	208	209	1	No Gas	0.031	ug/l	1721.17
Th	232	209	3	He	0.029	ug/l	899.06
U	238	209	1	No Gas	0.003	ug/l	115.98

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3830809.21	99.3
Sc	45	2	H2	1815326.50	81.0
Sc	45	3	He	243710.32	92.2
Ge	72	1	No Gas	915882.95	96.1
Ge	72	2	H2	623298.59	88.4
Ge	72	3	He	148129.30	93.8
In	115	1	No Gas	5477663.88	98.3
In	115	3	He	1406368.73	94.0
Tb	159	1	No Gas	7136363.14	101.8
Tb	159	3	He	3383374.95	100.7
Ho	165	1	No Gas	7026229.84	102.4
Ho	165	3	He	3343172.38	102.2
Lu	175	1	No Gas	7042264.21	102.9
Lu	175	3	He	2962608.42	103.8
Bi	209	1	No Gas	4170565.66	96.9
Bi	209	3	He	2190079.99	98.6

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	028BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 14:13:54
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1.369	ug/l	29981.41
Be	9	45	1	No Gas	-0.065	ug/l	193.29
B	11	45	1	No Gas	0.687	ug/l	3307.70
Na	23	45	3	He	23.650	ug/l	59615.16
Mg	24	45	3	He	-0.167	ug/l	1054.61
Al	27	45	1	No Gas	0.054	ug/l	18666.34
Si	28	45	2	H2	-1.785	ug/l	9855.88
K	39	72	3	He	6.986	ug/l	135688.39
Ca	40	72	2	H2	2.618	ug/l	172712.67
Ti	47	72	1	No Gas	0.146	ug/l	682.37
V	51	72	1	No Gas	-0.410	ug/l	2722.88
V	51	72	3	He	-6.737	ug/l	5220.95
Cr	52	72	1	No Gas	-3.178	ug/l	40965.67
Cr	52	72	3	He	-0.047	ug/l	1397.85
Mn	55	72	1	No Gas	0.223	ug/l	18418.29
Mn	55	72	3	He	-0.004	ug/l	151.64
Fe	56	72	2	H2	1.097	ug/l	27189.13
Fe	56	72	3	He	0.720	ug/l	10414.18
Co	59	72	1	No Gas	0.002	ug/l	469.08
Ni	60	72	1	No Gas	0.177	ug/l	1829.83
Ni	60	72	3	He	-0.011	ug/l	112.22
Cu	63	72	1	No Gas	0.121	ug/l	3424.45
Cu	63	72	3	He	-0.007	ug/l	380.60
Cu	65	72	1	No Gas	0.010	ug/l	1045.79
Zn	66	72	1	No Gas	-0.071	ug/l	2178.62
Zn	66	72	3	He	-0.059	ug/l	463.34
As	75	72	1	No Gas	-1.496	ug/l	10938.64
As	75	72	3	He	-0.348	ug/l	404.13
Se	78	72	2	H2	-0.021	ug/l	33.11
Br	79	72	1	No Gas	0.188	ug/l	8975.00
Br	79	72	2	H2	0.113	ug/l	5054.21
Se	82	72	1	No Gas	0.279	ug/l	1025.58
Kr	84	72	1	No Gas		ug/l	24415.68
Sr	88	72	1	No Gas	0.000	ug/l	538.95
Sr	88	72	3	He	0.004	ug/l	177.78
Mo	95	115	1	No Gas	0.456	ug/l	3726.08
Mo	95	115	3	He	0.363	ug/l	1085.60
Mo	98	115	1	No Gas	0.438	ug/l	5781.56
Ag	107	115	1	No Gas	0.002	ug/l	1529.37
Ag	109	115	1	No Gas	-0.003	ug/l	1470.00
Cd	111	115	1	No Gas	0.003	ug/l	0.70

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.006	ug/l	14.34
Cd	114	115	1	No Gas	0.000	ug/l	-132.35
Cd	114	115	3	He	0.004	ug/l	28.37
Sn	118	115	1	No Gas	0.010	ug/l	1267.56
Sn	118	115	3	He	0.005	ug/l	356.68
Sb	121	115	1	No Gas	0.025	ug/l	859.12
Sb	121	115	3	He	0.030	ug/l	282.36
Sb	123	115	1	No Gas	0.029	ug/l	707.76
Sb	123	115	3	He	0.023	ug/l	198.69
Ba	135	115	1	No Gas	0.002	ug/l	36.59
Ba	137	115	1	No Gas	-0.001	ug/l	39.92
La	139	115	3	He	0.000	ug/l	6.67
Ce	140	115	3	He	0.000	ug/l	12.22
Hg	201	209	1	No Gas	-0.005	ug/l	23.66
Hg	202	209	1	No Gas	0.000	ug/l	70.65
Hg	202	209	3	He	-0.002	ug/l	27.99
Tl	203	209	3	He	0.021	ug/l	293.45
Tl	205	209	1	No Gas	0.008	ug/l	910.04
Tl	205	209	3	He	0.016	ug/l	659.62
[Pb]	206	209	1	No Gas	-0.001	ug/l	123.33
[Pb]	207	209	1	No Gas	0.000	ug/l	117.78
Pb	208	209	1	No Gas	0.000	ug/l	511.12
Th	232	209	3	He	0.002	ug/l	348.81
U	238	209	1	No Gas	0.001	ug/l	34.99

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3816919.65	99.0
Sc	45	2	H2	2001716.97	89.3
Sc	45	3	He	250318.18	94.7
Ge	72	1	No Gas	899624.94	94.4
Ge	72	2	H2	667905.57	94.7
Ge	72	3	He	151599.04	96.0
In	115	1	No Gas	5684985.38	102.1
In	115	3	He	1499891.21	100.3
Tb	159	1	No Gas	7146169.72	101.9
Tb	159	3	He	3407849.14	101.5
Ho	165	1	No Gas	6846765.69	99.8
Ho	165	3	He	3370244.84	103.1
Lu	175	1	No Gas	6841623.05	100.0
Lu	175	3	He	2914574.52	102.2
Bi	209	1	No Gas	4324935.17	100.5
Bi	209	3	He	2345588.88	105.6

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	029BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 14:20:07
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1.275	ug/l	29026.53
Be	9	45	1	No Gas	-0.064	ug/l	197.29
B	11	45	1	No Gas	0.560	ug/l	2943.47
Na	23	45	3	He	12.881	ug/l	49409.61
Mg	24	45	3	He	-0.226	ug/l	1011.37
Al	27	45	1	No Gas	-0.176	ug/l	13946.53
Si	28	45	2	H2	-2.007	ug/l	9332.68
K	39	72	3	He	-2.144	ug/l	129781.85
Ca	40	72	2	H2	1.632	ug/l	166420.44
Ti	47	72	1	No Gas	0.084	ug/l	553.90
V	51	72	1	No Gas	-0.096	ug/l	11336.96
V	51	72	3	He	-6.644	ug/l	5611.10
Cr	52	72	1	No Gas	-3.111	ug/l	42713.64
Cr	52	72	3	He	-0.023	ug/l	1512.31
Mn	55	72	1	No Gas	0.171	ug/l	16846.28
Mn	55	72	3	He	0.000	ug/l	162.64
Fe	56	72	2	H2	0.450	ug/l	16768.12
Fe	56	72	3	He	0.075	ug/l	7390.97
Co	59	72	1	No Gas	0.003	ug/l	495.70
Ni	60	72	1	No Gas	0.068	ug/l	1184.37
Ni	60	72	3	He	-0.007	ug/l	118.89
Cu	63	72	1	No Gas	0.064	ug/l	2619.29
Cu	63	72	3	He	-0.015	ug/l	337.27
Cu	65	72	1	No Gas	-0.013	ug/l	891.72
Zn	66	72	1	No Gas	-0.051	ug/l	2285.17
Zn	66	72	3	He	0.047	ug/l	577.79
As	75	72	1	No Gas	-1.313	ug/l	12089.41
As	75	72	3	He	-0.360	ug/l	387.73
Se	78	72	2	H2	-0.034	ug/l	25.33
Br	79	72	1	No Gas	0.130	ug/l	8399.15
Br	79	72	2	H2	0.058	ug/l	4721.44
Se	82	72	1	No Gas	-0.003	ug/l	935.57
Kr	84	72	1	No Gas		ug/l	23169.50
Sr	88	72	1	No Gas	0.002	ug/l	625.45
Sr	88	72	3	He	0.003	ug/l	170.00
Mo	95	115	1	No Gas	0.105	ug/l	934.48
Mo	95	115	3	He	0.107	ug/l	340.01
Mo	98	115	1	No Gas	0.098	ug/l	1425.23
Ag	107	115	1	No Gas	-0.003	ug/l	1431.32
Ag	109	115	1	No Gas	-0.006	ug/l	1417.98
Cd	111	115	1	No Gas	0.001	ug/l	-9.08

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.005	ug/l	11.22
Cd	114	115	1	No Gas	0.004	ug/l	-97.33
Cd	114	115	3	He	0.003	ug/l	21.24
Sn	118	115	1	No Gas	-0.002	ug/l	1121.16
Sn	118	115	3	He	0.004	ug/l	353.34
Sb	121	115	1	No Gas	0.021	ug/l	773.10
Sb	121	115	3	He	0.024	ug/l	241.36
Sb	123	115	1	No Gas	0.021	ug/l	582.40
Sb	123	115	3	He	0.024	ug/l	198.69
Ba	135	115	1	No Gas	0.003	ug/l	43.25
Ba	137	115	1	No Gas	0.004	ug/l	73.19
La	139	115	3	He	0.000	ug/l	8.89
Ce	140	115	3	He	0.000	ug/l	10.00
Hg	201	209	1	No Gas	-0.005	ug/l	25.00
Hg	202	209	1	No Gas	-0.001	ug/l	64.66
Hg	202	209	3	He	0.000	ug/l	31.99
Tl	203	209	3	He	0.015	ug/l	250.10
Tl	205	209	1	No Gas	0.006	ug/l	851.14
Tl	205	209	3	He	0.014	ug/l	632.27
[Pb]	206	209	1	No Gas	-0.001	ug/l	127.78
[Pb]	207	209	1	No Gas	-0.001	ug/l	107.78
Pb	208	209	1	No Gas	-0.001	ug/l	486.67
Th	232	209	3	He	0.000	ug/l	314.80
U	238	209	1	No Gas	0.000	ug/l	25.99

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3852940.60	99.9
Sc	45	2	H2	1996873.20	89.1
Sc	45	3	He	247030.54	93.5
Ge	72	1	No Gas	902068.83	94.7
Ge	72	2	H2	673074.83	95.4
Ge	72	3	He	150629.83	95.4
In	115	1	No Gas	5721039.94	102.7
In	115	3	He	1487953.97	99.5
Tb	159	1	No Gas	7049491.64	100.5
Tb	159	3	He	3414820.59	101.7
Ho	165	1	No Gas	6863686.15	100.0
Ho	165	3	He	3319666.61	101.5
Lu	175	1	No Gas	6875367.42	100.5
Lu	175	3	He	2878325.38	100.9
Bi	209	1	No Gas	4346695.29	101.0
Bi	209	3	He	2320427.53	104.5

ICPMS207-B Analytical Data

Sample Name	CCV
File Name	030_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 14:26:21
Sample Type	CCV
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	628.747	ug/l	8389298.86
Be	9	45	1	No Gas	47.967	ug/l	259212.57
B	11	45	1	No Gas	54.730	ug/l	170794.76
Na	23	45	3	He	13807.068	ug/l	12255258.71
Mg	24	45	3	He	13592.702	ug/l	6784562.61
Al	27	45	1	No Gas	51.420	ug/l	1077558.72
Si	28	45	2	H2	219.360	ug/l	526143.51
K	39	72	3	He	12867.089	ug/l	7231427.74
Ca	40	72	2	H2	13155.218	ug/l	105634277.22
Ti	47	72	1	No Gas	51.789	ug/l	111206.78
V	51	72	1	No Gas	48.347	ug/l	1353632.89
V	51	72	3	He	45.127	ug/l	239989.88
Cr	52	72	1	No Gas	48.341	ug/l	1294019.31
Cr	52	72	3	He	50.630	ug/l	254662.22
Mn	55	72	1	No Gas	53.056	ug/l	1701367.84
Mn	55	72	3	He	52.452	ug/l	174937.91
Fe	56	72	2	H2	1360.138	ug/l	23063296.86
Fe	56	72	3	He	1372.923	ug/l	6271461.29
Co	59	72	1	No Gas	52.460	ug/l	1385394.60
Ni	60	72	1	No Gas	51.123	ug/l	310262.06
Ni	60	72	3	He	54.714	ug/l	99837.14
Cu	63	72	1	No Gas	51.936	ug/l	749612.66
Cu	63	72	3	He	54.193	ug/l	261579.11
Cu	65	72	1	No Gas	51.834	ug/l	355207.57
Zn	66	72	1	No Gas	49.580	ug/l	252699.95
Zn	66	72	3	He	54.610	ug/l	60714.81
As	75	72	1	No Gas	52.761	ug/l	338338.04
As	75	72	3	He	51.481	ug/l	58038.88
Se	78	72	2	H2	52.338	ug/l	34182.25
Br	79	72	1	No Gas	0.284	ug/l	10046.94
Br	79	72	2	H2	0.275	ug/l	6382.11
Se	82	72	1	No Gas	53.707	ug/l	18754.84
Kr	84	72	1	No Gas		ug/l	36883.91
Sr	88	72	1	No Gas	53.436	ug/l	2058891.05
Sr	88	72	3	He	50.878	ug/l	266345.48
Mo	95	115	1	No Gas	49.400	ug/l	379014.88
Mo	95	115	3	He	53.026	ug/l	146619.99
Mo	98	115	1	No Gas	49.497	ug/l	612407.18
Ag	107	115	1	No Gas	20.173	ug/l	394847.87
Ag	109	115	1	No Gas	19.976	ug/l	376222.70
Cd	111	115	1	No Gas	52.223	ug/l	218622.42

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	53.429	ug/l	79478.02
Cd	114	115	1	No Gas	50.773	ug/l	486970.46
Cd	114	115	3	He	52.282	ug/l	192155.04
Sn	118	115	1	No Gas	49.956	ug/l	594425.03
Sn	118	115	3	He	51.554	ug/l	180916.04
Sb	121	115	1	No Gas	52.209	ug/l	986771.34
Sb	121	115	3	He	52.719	ug/l	295021.05
Sb	123	115	1	No Gas	52.022	ug/l	758245.30
Sb	123	115	3	He	52.342	ug/l	231682.95
Ba	135	115	1	No Gas	52.520	ug/l	188359.86
Ba	137	115	1	No Gas	49.946	ug/l	318542.92
La	139	115	3	He	52.290	ug/l	1027228.54
Ce	140	115	3	He	52.204	ug/l	1092056.32
Hg	201	209	1	No Gas	0.988	ug/l	2143.08
Hg	202	209	1	No Gas	1.032	ug/l	4976.61
Hg	202	209	3	He	1.046	ug/l	2613.74
Tl	203	209	3	He	48.061	ug/l	317224.38
Tl	205	209	1	No Gas	48.179	ug/l	1374533.67
Tl	205	209	3	He	47.779	ug/l	759591.78
[Pb]	206	209	1	No Gas	51.005	ug/l	501499.47
[Pb]	207	209	1	No Gas	51.853	ug/l	435566.14
Pb	208	209	1	No Gas	51.401	ug/l	1994340.42
Th	232	209	3	He	47.749	ug/l	1025540.56
U	238	209	1	No Gas	50.929	ug/l	1896604.97

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3737730.26	96.9
Sc	45	2	H2	2038295.94	91.0
Sc	45	3	He	249895.60	94.6
Ge	72	1	No Gas	906814.93	95.2
Ge	72	2	H2	694577.65	98.5
Ge	72	3	He	149835.72	94.9
In	115	1	No Gas	5477115.77	98.3
In	115	3	He	1433394.64	95.8
Tb	159	1	No Gas	6882421.76	98.1
Tb	159	3	He	3388771.49	100.9
Ho	165	1	No Gas	6842705.33	99.7
Ho	165	3	He	3287657.17	100.5
Lu	175	1	No Gas	6917898.54	101.1
Lu	175	3	He	2782570.62	97.5
Bi	209	1	No Gas	4177571.57	97.0
Bi	209	3	He	2241582.56	100.9

ICPMS207-B Analytical Data

Sample Name	CCB
File Name	031_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 14:32:36
Sample Type	CCB
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1.306	ug/l	29990.78
Be	9	45	1	No Gas	-0.065	ug/l	196.96
B	11	45	1	No Gas	0.804	ug/l	3792.67
Na	23	45	3	He	7.525	ug/l	43792.36
Mg	24	45	3	He	-0.191	ug/l	1008.04
Al	27	45	1	No Gas	-0.244	ug/l	12732.11
Si	28	45	2	H2	-1.860	ug/l	9705.05
K	39	72	3	He	-4.062	ug/l	124730.20
Ca	40	72	2	H2	0.410	ug/l	160127.18
Ti	47	72	1	No Gas	0.029	ug/l	452.13
V	51	72	1	No Gas	-0.168	ug/l	11071.87
V	51	72	3	He	-6.170	ug/l	7527.52
Cr	52	72	1	No Gas	-2.815	ug/l	51400.75
Cr	52	72	3	He	0.008	ug/l	1616.77
Mn	55	72	1	No Gas	0.191	ug/l	18035.33
Mn	55	72	3	He	-0.006	ug/l	139.30
Fe	56	72	2	H2	0.167	ug/l	12362.67
Fe	56	72	3	He	0.040	ug/l	7008.74
Co	59	72	1	No Gas	-0.002	ug/l	385.91
Ni	60	72	1	No Gas	0.034	ug/l	1011.37
Ni	60	72	3	He	-0.013	ug/l	104.44
Cu	63	72	1	No Gas	0.032	ug/l	2228.40
Cu	63	72	3	He	-0.007	ug/l	367.60
Cu	65	72	1	No Gas	-0.040	ug/l	739.65
Zn	66	72	1	No Gas	-0.138	ug/l	1895.70
Zn	66	72	3	He	-0.065	ug/l	438.90
As	75	72	1	No Gas	-0.678	ug/l	16312.25
As	75	72	3	He	-0.343	ug/l	394.87
Se	78	72	2	H2	-0.020	ug/l	34.89
Br	79	72	1	No Gas	0.156	ug/l	8958.37
Br	79	72	2	H2	0.099	ug/l	5097.46
Se	82	72	1	No Gas	-0.656	ug/l	742.47
Kr	84	72	1	No Gas		ug/l	23772.54
Sr	88	72	1	No Gas	-0.004	ug/l	422.50
Sr	88	72	3	He	0.002	ug/l	163.34
Mo	95	115	1	No Gas	0.061	ug/l	617.80
Mo	95	115	3	He	0.071	ug/l	232.22
Mo	98	115	1	No Gas	0.062	ug/l	1006.78
Ag	107	115	1	No Gas	-0.004	ug/l	1496.68
Ag	109	115	1	No Gas	-0.009	ug/l	1432.65
Cd	111	115	1	No Gas	0.013	ug/l	46.43

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.006	ug/l	12.33
Cd	114	115	1	No Gas	0.010	ug/l	-38.30
Cd	114	115	3	He	0.005	ug/l	30.01
Sn	118	115	1	No Gas	0.011	ug/l	1360.71
Sn	118	115	3	He	0.015	ug/l	382.23
Sb	121	115	1	No Gas	0.071	ug/l	1879.32
Sb	121	115	3	He	0.064	ug/l	462.39
Sb	123	115	1	No Gas	0.071	ug/l	1437.22
Sb	123	115	3	He	0.065	ug/l	375.71
Ba	135	115	1	No Gas	-0.002	ug/l	23.29
Ba	137	115	1	No Gas	-0.001	ug/l	36.59
La	139	115	3	He	0.000	ug/l	10.00
Ce	140	115	3	He	0.000	ug/l	7.78
Hg	201	209	1	No Gas	0.000	ug/l	38.99
Hg	202	209	1	No Gas	0.002	ug/l	86.65
Hg	202	209	3	He	0.002	ug/l	36.99
Tl	203	209	3	He	0.110	ug/l	891.06
Tl	205	209	1	No Gas	0.078	ug/l	3220.42
Tl	205	209	3	He	0.109	ug/l	2171.05
[Pb]	206	209	1	No Gas	0.000	ug/l	144.45
[Pb]	207	209	1	No Gas	0.001	ug/l	134.45
Pb	208	209	1	No Gas	0.000	ug/l	581.12
Th	232	209	3	He	0.036	ug/l	1105.16
U	238	209	1	No Gas	0.003	ug/l	129.98

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3952278.28	102.5
Sc	45	2	H2	2005385.46	89.5
Sc	45	3	He	241890.96	91.6
Ge	72	1	No Gas	933115.34	97.9
Ge	72	2	H2	686782.37	97.4
Ge	72	3	He	145991.14	92.4
In	115	1	No Gas	6056493.53	108.7
In	115	3	He	1445644.70	96.6
Tb	159	1	No Gas	7541951.37	107.5
Tb	159	3	He	3423898.00	101.9
Ho	165	1	No Gas	7493408.46	109.2
Ho	165	3	He	3330742.71	101.8
Lu	175	1	No Gas	7541237.49	110.2
Lu	175	3	He	2792495.52	97.9
Bi	209	1	No Gas	4689107.70	108.9
Bi	209	3	He	2295081.98	103.3

ICPMS207-B Analytical Data

Sample Name	MB-163617
File Name	032ARef.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 14:38:50
Sample Type	AllRef
Total Dilution	1.0000
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1.409	ug/l	27354.78
Be	9	45	1	No Gas	-0.053	ug/l	229.96
B	11	45	1	No Gas	1.302	ug/l	4718.64
Na	23	45	3	He	25.171	ug/l	52641.54
Mg	24	45	3	He	0.963	ug/l	1397.29
Al	27	45	1	No Gas	2.123	ug/l	55733.13
Si	28	45	2	H2	18.881	ug/l	52912.85
K	39	72	3	He	-7.273	ug/l	111394.68
Ca	40	72	2	H2	13.958	ug/l	245824.76
Ti	47	72	1	No Gas	0.655	ug/l	1626.73
V	51	72	1	No Gas	2.555	ug/l	77280.34
V	51	72	3	He	-5.001	ug/l	11487.86
Cr	52	72	1	No Gas	-1.181	ug/l	82275.81
Cr	52	72	3	He	0.091	ug/l	1826.79
Mn	55	72	1	No Gas	1.011	ug/l	40018.18
Mn	55	72	3	He	0.031	ug/l	234.29
Fe	56	72	2	H2	1.207	ug/l	27377.95
Fe	56	72	3	He	1.129	ug/l	10728.09
Co	59	72	1	No Gas	0.015	ug/l	741.89
Ni	60	72	1	No Gas	0.140	ug/l	1487.13
Ni	60	72	3	He	0.032	ug/l	166.67
Cu	63	72	1	No Gas	0.443	ug/l	7393.51
Cu	63	72	3	He	0.080	ug/l	700.21
Cu	65	72	1	No Gas	0.061	ug/l	1289.25
Zn	66	72	1	No Gas	0.692	ug/l	5535.73
Zn	66	72	3	He	0.812	ug/l	1251.17
As	75	72	1	No Gas	-0.543	ug/l	15346.72
As	75	72	3	He	-0.102	ug/l	593.73
Se	78	72	2	H2	-0.004	ug/l	41.22
Br	79	72	1	No Gas	1.383	ug/l	19761.17
Br	79	72	2	H2	1.223	ug/l	11814.79
Se	82	72	1	No Gas	0.286	ug/l	948.51
Kr	84	72	1	No Gas		ug/l	23902.76
Sr	88	72	1	No Gas	0.015	ug/l	1041.31
Sr	88	72	3	He	0.015	ug/l	206.67
Mo	95	115	1	No Gas	0.218	ug/l	1670.11
Mo	95	115	3	He	0.235	ug/l	620.02
Mo	98	115	1	No Gas	0.228	ug/l	2815.44
Ag	107	115	1	No Gas	-0.065	ug/l	161.40
Ag	109	115	1	No Gas	-0.070	ug/l	150.73
Cd	111	115	1	No Gas	0.016	ug/l	50.83

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.010	ug/l	16.89
Cd	114	115	1	No Gas	0.022	ug/l	78.65
Cd	114	115	3	He	0.006	ug/l	30.37
Sn	118	115	1	No Gas	0.309	ug/l	4515.13
Sn	118	115	3	He	0.333	ug/l	1356.74
Sb	121	115	1	No Gas	0.077	ug/l	1715.28
Sb	121	115	3	He	0.080	ug/l	498.06
Sb	123	115	1	No Gas	0.077	ug/l	1312.86
Sb	123	115	3	He	0.077	ug/l	387.38
Ba	135	115	1	No Gas	0.012	ug/l	69.86
Ba	137	115	1	No Gas	0.015	ug/l	129.74
La	139	115	3	He	0.001	ug/l	23.33
Ce	140	115	3	He	0.002	ug/l	35.56
Hg	201	209	1	No Gas	0.012	ug/l	58.66
Hg	202	209	1	No Gas	0.017	ug/l	148.97
Hg	202	209	3	He	0.028	ug/l	95.65
Tl	203	209	3	He	0.072	ug/l	588.92
Tl	205	209	1	No Gas	0.050	ug/l	2059.07
Tl	205	209	3	He	0.069	ug/l	1412.64
[Pb]	206	209	1	No Gas	0.029	ug/l	412.23
[Pb]	207	209	1	No Gas	0.033	ug/l	391.12
Pb	208	209	1	No Gas	0.031	ug/l	1697.83
Th	232	209	3	He	0.154	ug/l	3444.51
U	238	209	1	No Gas	0.003	ug/l	108.31

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3418633.76	88.6
Sc	45	2	H2	1851374.22	82.6
Sc	45	3	He	216165.63	81.8
Ge	72	1	No Gas	830106.58	87.1
Ge	72	2	H2	631110.23	89.5
Ge	72	3	He	132186.93	83.7
In	115	1	No Gas	5187207.39	93.1
In	115	3	He	1303241.09	87.1
Tb	159	1	No Gas	6587373.34	93.9
Tb	159	3	He	3182030.95	94.7
Ho	165	1	No Gas	6594729.34	96.1
Ho	165	3	He	3125829.78	95.6
Lu	175	1	No Gas	6599956.50	96.5
Lu	175	3	He	2646181.30	92.8
Bi	209	1	No Gas	4150305.77	96.4
Bi	209	3	He	2147114.27	96.7

ICPMS207-B Analytical Data

Sample Name	LCS4-163617
File Name	033LCS4.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 14:45:04
Sample Type	LCS4
Total Dilution	1.0000
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	95.409	ug/l	1225140.81
Be	9	45	1	No Gas	44.518	ug/l	229767.73
B	11	45	1	No Gas	102.054	ug/l	303296.03
Na	23	45	3	He	5546.478	ug/l	4388363.86
Mg	24	45	3	He	5499.281	ug/l	2435664.08
Al	27	45	1	No Gas	479.975	ug/l	9472548.26
Si	28	45	2	H2	1000.460	ug/l	2140869.19
K	39	72	3	He	4879.341	ug/l	2588354.42
Ca	40	72	2	H2	5139.232	ug/l	39012477.77
Ti	47	72	1	No Gas	91.879	ug/l	196703.05
V	51	72	1	No Gas	90.271	ug/l	2508682.55
V	51	72	3	He	94.382	ug/l	424511.72
Cr	52	72	1	No Gas	91.851	ug/l	2347792.50
Cr	52	72	3	He	102.917	ug/l	473065.44
Mn	55	72	1	No Gas	492.528	ug/l	15684080.58
Mn	55	72	3	He	521.631	ug/l	1593875.78
Fe	56	72	2	H2	514.474	ug/l	8232973.31
Fe	56	72	3	He	530.171	ug/l	2224254.07
Co	59	72	1	No Gas	97.463	ug/l	2568691.22
Ni	60	72	1	No Gas	92.508	ug/l	559603.78
Ni	60	72	3	He	107.908	ug/l	180397.39
Cu	63	72	1	No Gas	95.733	ug/l	1377945.81
Cu	63	72	3	He	109.092	ug/l	482406.73
Cu	65	72	1	No Gas	94.828	ug/l	647991.27
Zn	66	72	1	No Gas	93.514	ug/l	473586.11
Zn	66	72	3	He	108.318	ug/l	109951.00
As	75	72	1	No Gas	98.378	ug/l	612765.36
As	75	72	3	He	100.115	ug/l	102794.49
Se	78	72	2	H2	102.843	ug/l	63309.36
Br	79	72	1	No Gas	1.209	ug/l	19734.37
Br	79	72	2	H2	1.344	ug/l	13070.09
Se	82	72	1	No Gas	98.999	ug/l	33729.28
Kr	84	72	1	No Gas		ug/l	47444.54
Sr	88	72	1	No Gas	102.724	ug/l	3950517.58
Sr	88	72	3	He	101.457	ug/l	486819.01
Mo	95	115	1	No Gas	90.744	ug/l	691628.30
Mo	95	115	3	He	105.535	ug/l	273362.14
Mo	98	115	1	No Gas	92.752	ug/l	1139997.49
Ag	107	115	1	No Gas	9.447	ug/l	184460.96
Ag	109	115	1	No Gas	9.359	ug/l	175840.59
Cd	111	115	1	No Gas	49.365	ug/l	205227.50

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	53.022	ug/l	73890.92
Cd	114	115	1	No Gas	48.123	ug/l	458509.89
Cd	114	115	3	He	51.755	ug/l	178208.35
Sn	118	115	1	No Gas	96.824	ug/l	1143458.28
Sn	118	115	3	He	104.619	ug/l	343597.70
Sb	121	115	1	No Gas	101.451	ug/l	1904316.67
Sb	121	115	3	He	104.433	ug/l	547452.70
Sb	123	115	1	No Gas	103.381	ug/l	1496645.70
Sb	123	115	3	He	104.732	ug/l	434295.07
Ba	135	115	1	No Gas	95.267	ug/l	338902.16
Ba	137	115	1	No Gas	91.873	ug/l	581330.83
La	139	115	3	He	107.255	ug/l	1973586.22
Ce	140	115	3	He	110.693	ug/l	2169251.01
Hg	201	209	1	No Gas	0.011	ug/l	59.99
Hg	202	209	1	No Gas	0.018	ug/l	160.63
Hg	202	209	3	He	0.024	ug/l	90.31
Tl	203	209	3	He	98.750	ug/l	640241.95
Tl	205	209	1	No Gas	99.329	ug/l	2936217.28
Tl	205	209	3	He	99.228	ug/l	1549860.38
[Pb]	206	209	1	No Gas	98.312	ug/l	1001017.01
[Pb]	207	209	1	No Gas	98.248	ug/l	855430.86
Pb	208	209	1	No Gas	99.472	ug/l	3999645.46
Th	232	209	3	He	99.012	ug/l	2088691.22
U	238	209	1	No Gas	98.306	ug/l	3793920.17

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3566513.76	92.5
Sc	45	2	H2	1858104.55	82.9
Sc	45	3	He	221727.16	83.9
Ge	72	1	No Gas	905272.94	95.0
Ge	72	2	H2	655084.80	92.9
Ge	72	3	He	137357.96	87.0
In	115	1	No Gas	5438195.68	97.6
In	115	3	He	1343216.39	89.8
Tb	159	1	No Gas	7133682.55	101.7
Tb	159	3	He	3286794.42	97.9
Ho	165	1	No Gas	6973326.10	101.6
Ho	165	3	He	3176013.06	97.1
Lu	175	1	No Gas	7057459.29	103.2
Lu	175	3	He	2680524.49	94.0
Bi	209	1	No Gas	4331222.46	100.6
Bi	209	3	He	2203017.26	99.2

ICPMS207-B Analytical Data

Sample Name	B22020415-001A
File Name	034SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 14:51:17
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.536	ug/l	20798.53
Be	9	45	1	No Gas	-0.070	ug/l	179.30
B	11	45	1	No Gas	67.829	ug/l	240686.32
Na	23	45	3	He	63150.681	ug/l	59123543.56
Mg	24	45	3	He	24057.021	ug/l	12695953.73
Al	27	45	1	No Gas	5.963	ug/l	159544.32
Si	28	45	2	H2	20734.033	ug/l	49647558.55
K	39	72	3	He	2708.245	ug/l	1747786.54
Ca	40	72	2	H2	24835.966	ug/l	201753132.69
Ti	47	72	1	No Gas	1.495	ug/l	3844.38
V	51	72	1	No Gas	12.287	ug/l	380297.61
V	51	72	3	He	7.099	ug/l	72932.88
Cr	52	72	1	No Gas	-1.830	ug/l	79559.71
Cr	52	72	3	He	1.416	ug/l	9350.79
Mn	55	72	1	No Gas	36.356	ug/l	1257304.29
Mn	55	72	3	He	36.880	ug/l	132359.82
Fe	56	72	2	H2	5.825	ug/l	109785.28
Fe	56	72	3	He	5.454	ug/l	34306.04
Co	59	72	1	No Gas	0.193	ug/l	5929.48
Ni	60	72	1	No Gas	2.066	ug/l	14268.71
Ni	60	72	3	He	2.183	ug/l	4418.47
Cu	63	72	1	No Gas	2.265	ug/l	36881.06
Cu	63	72	3	He	2.104	ug/l	11346.12
Cu	65	72	1	No Gas	2.085	ug/l	16373.07
Zn	66	72	1	No Gas	7.661	ug/l	44255.25
Zn	66	72	3	He	6.526	ug/l	8302.42
As	75	72	1	No Gas	-1.023	ug/l	14909.55
As	75	72	3	He	-0.433	ug/l	327.40
Se	78	72	2	H2	0.456	ug/l	350.34
Br	79	72	1	No Gas	36.649	ug/l	420649.01
Br	79	72	2	H2	39.224	ug/l	281819.59
Se	82	72	1	No Gas	1.035	ug/l	1380.84
Kr	84	72	1	No Gas		ug/l	72146.52
Sr	88	72	1	No Gas	192.105	ug/l	7949783.92
Sr	88	72	3	He	182.569	ug/l	1027648.19
Mo	95	115	1	No Gas	0.382	ug/l	3345.97
Mo	95	115	3	He	0.423	ug/l	1315.63
Mo	98	115	1	No Gas	0.377	ug/l	5324.78
Ag	107	115	1	No Gas	-0.063	ug/l	228.10
Ag	109	115	1	No Gas	-0.068	ug/l	222.09
Cd	111	115	1	No Gas	0.048	ug/l	208.10

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.039	ug/l	68.56
Cd	114	115	1	No Gas	0.048	ug/l	371.60
Cd	114	115	3	He	0.039	ug/l	170.23
Sn	118	115	1	No Gas	0.170	ug/l	3453.59
Sn	118	115	3	He	0.159	ug/l	966.71
Sb	121	115	1	No Gas	0.096	ug/l	2393.11
Sb	121	115	3	He	0.091	ug/l	670.08
Sb	123	115	1	No Gas	0.100	ug/l	1892.99
Sb	123	115	3	He	0.081	ug/l	486.06
Ba	135	115	1	No Gas	24.172	ug/l	95952.03
Ba	137	115	1	No Gas	23.130	ug/l	163271.42
La	139	115	3	He	0.004	ug/l	83.33
Ce	140	115	3	He	0.005	ug/l	130.00
Hg	201	209	1	No Gas	0.005	ug/l	50.32
Hg	202	209	1	No Gas	0.006	ug/l	103.65
Hg	202	209	3	He	0.019	ug/l	82.65
Tl	203	209	3	He	0.228	ug/l	1732.82
Tl	205	209	1	No Gas	0.160	ug/l	5753.56
Tl	205	209	3	He	0.226	ug/l	4164.33
[Pb]	206	209	1	No Gas	0.366	ug/l	4126.23
[Pb]	207	209	1	No Gas	0.367	ug/l	3528.27
Pb	208	209	1	No Gas	0.368	ug/l	16346.28
Th	232	209	3	He	0.064	ug/l	1754.83
U	238	209	1	No Gas	0.028	ug/l	1169.49

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	4251036.58	110.2
Sc	45	2	H2	2091516.51	93.4
Sc	45	3	He	264232.87	100.0
Ge	72	1	No Gas	973686.39	102.2
Ge	72	2	H2	703361.87	99.7
Ge	72	3	He	161152.20	102.0
In	115	1	No Gas	6058132.17	108.8
In	115	3	He	1569762.27	104.9
Tb	159	1	No Gas	7736357.44	110.3
Tb	159	3	He	3554351.18	105.8
Ho	165	1	No Gas	7550836.14	110.0
Ho	165	3	He	3508726.00	107.3
Lu	175	1	No Gas	7587553.48	110.9
Lu	175	3	He	3063648.20	107.4
Bi	209	1	No Gas	4618835.15	107.3
Bi	209	3	He	2355054.86	106.0

ICPMS207-B Analytical Data

Sample Name	B22020415-001ADIL
File Name	035ARef.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 14:57:31
Sample Type	AllRef
Total Dilution	5.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	3.125	ug/l	19637.83
Be	9	45	1	No Gas	-0.337	ug/l	175.30
B	11	45	1	No Gas	79.420	ug/l	50843.23
Na	23	45	3	He	65458.686	ug/l	10994277.20
Mg	24	45	3	He	24568.993	ug/l	2320850.19
Al	27	45	1	No Gas	16.379	ug/l	85535.09
Si	28	45	2	H2	20385.895	ug/l	9252287.37
K	39	72	3	He	2445.507	ug/l	390447.57
Ca	40	72	2	H2	24919.274	ug/l	38836509.72
Ti	47	72	1	No Gas	1.510	ug/l	1039.42
V	51	72	1	No Gas	11.754	ug/l	81656.12
V	51	72	3	He	-6.519	ug/l	29037.52
Cr	52	72	1	No Gas	-9.513	ug/l	73302.91
Cr	52	72	3	He	1.472	ug/l	3013.66
Mn	55	72	1	No Gas	37.645	ug/l	254957.08
Mn	55	72	3	He	37.054	ug/l	24255.74
Fe	56	72	2	H2	9.089	ug/l	39204.77
Fe	56	72	3	He	9.134	ug/l	14972.74
Co	59	72	1	No Gas	0.208	ug/l	1553.67
Ni	60	72	1	No Gas	2.727	ug/l	4135.71
Ni	60	72	3	He	2.642	ug/l	1066.71
Cu	63	72	1	No Gas	4.267	ug/l	14185.91
Cu	63	72	3	He	4.019	ug/l	4179.43
Cu	65	72	1	No Gas	3.828	ug/l	6308.58
Zn	66	72	1	No Gas	12.453	ug/l	15327.02
Zn	66	72	3	He	14.314	ug/l	3589.36
As	75	72	1	No Gas	-4.127	ug/l	15285.78
As	75	72	3	He	-1.508	ug/l	440.13
Se	78	72	2	H2	0.285	ug/l	82.78
Br	79	72	1	No Gas	41.888	ug/l	96374.62
Br	79	72	2	H2	39.248	ug/l	57396.21
Se	82	72	1	No Gas	0.147	ug/l	976.37
Kr	84	72	1	No Gas		ug/l	33372.61
Sr	88	72	1	No Gas	193.759	ug/l	1514507.30
Sr	88	72	3	He	180.582	ug/l	184541.70
Mo	95	115	1	No Gas	0.486	ug/l	880.03
Mo	95	115	3	He	0.552	ug/l	348.90
Mo	98	115	1	No Gas	0.446	ug/l	1322.09
Ag	107	115	1	No Gas	-0.324	ug/l	178.07
Ag	109	115	1	No Gas	-0.355	ug/l	148.06
Cd	111	115	1	No Gas	0.098	ug/l	73.01

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.068	ug/l	24.89
Cd	114	115	1	No Gas	0.123	ug/l	113.19
Cd	114	115	3	He	0.055	ug/l	52.71
Sn	118	115	1	No Gas	0.455	ug/l	2302.31
Sn	118	115	3	He	0.486	ug/l	685.58
Sb	121	115	1	No Gas	0.230	ug/l	1286.19
Sb	121	115	3	He	0.234	ug/l	373.37
Sb	123	115	1	No Gas	0.244	ug/l	1025.48
Sb	123	115	3	He	0.242	ug/l	310.70
Ba	135	115	1	No Gas	24.502	ug/l	18542.34
Ba	137	115	1	No Gas	23.148	ug/l	31243.14
La	139	115	3	He	0.010	ug/l	45.56
Ce	140	115	3	He	0.014	ug/l	68.89
Hg	201	209	1	No Gas	-0.002	ug/l	35.99
Hg	202	209	1	No Gas	0.008	ug/l	80.65
Hg	202	209	3	He	0.014	ug/l	40.99
Tl	203	209	3	He	0.325	ug/l	599.59
Tl	205	209	1	No Gas	0.195	ug/l	1909.04
Tl	205	209	3	He	0.321	ug/l	1470.01
[Pb]	206	209	1	No Gas	0.496	ug/l	1201.17
[Pb]	207	209	1	No Gas	0.533	ug/l	1093.39
Pb	208	209	1	No Gas	0.507	ug/l	4820.37
Th	232	209	3	He	0.108	ug/l	799.01
U	238	209	1	No Gas	0.035	ug/l	297.94

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3774679.02	97.9
Sc	45	2	H2	1979298.78	88.3
Sc	45	3	He	236395.82	89.5
Ge	72	1	No Gas	921197.79	96.7
Ge	72	2	H2	672670.83	95.4
Ge	72	3	He	146211.14	92.6
In	115	1	No Gas	5810666.28	104.3
In	115	3	He	1476913.27	98.7
Tb	159	1	No Gas	7446428.46	106.2
Tb	159	3	He	3458848.80	103.0
Ho	165	1	No Gas	7268839.26	105.9
Ho	165	3	He	3469856.40	106.1
Lu	175	1	No Gas	7364613.21	107.7
Lu	175	3	He	2995005.92	105.0
Bi	209	1	No Gas	4531676.10	105.3
Bi	209	3	He	2352014.40	105.9

ICPMS207-B Analytical Data

Sample Name	B22020415-001AMS
File Name	036MS.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 15:03:44
Sample Type	MS
Total Dilution	1.0300
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	2365.437	ug/l	31512549.63
Be	9	45	1	No Gas	45.653	ug/l	246434.83
B	11	45	1	No Gas	120.249	ug/l	373544.23
Na	23	45	3	He	112876.645	ug/l	96573904.12
Mg	24	45	3	He	75241.632	ug/l	36296723.32
Al	27	45	1	No Gas	52.596	ug/l	1101898.76
Si	28	45	2	H2	20669.714	ug/l	45149184.30
K	39	72	3	He	50913.835	ug/l	27647842.09
Ca	40	72	2	H2	72558.315	ug/l	548632246.25
Ti	47	72	1	No Gas	54.053	ug/l	115116.27
V	51	72	1	No Gas	58.248	ug/l	1612908.17
V	51	72	3	He	58.628	ug/l	295942.12
Cr	52	72	1	No Gas	48.184	ug/l	1282801.88
Cr	52	72	3	He	49.928	ug/l	245998.30
Mn	55	72	1	No Gas	85.777	ug/l	2723295.66
Mn	55	72	3	He	86.248	ug/l	281637.80
Fe	56	72	2	H2	5104.066	ug/l	81571511.14
Fe	56	72	3	He	5106.055	ug/l	22822589.08
Co	59	72	1	No Gas	48.504	ug/l	1270246.00
Ni	60	72	1	No Gas	48.857	ug/l	293966.65
Ni	60	72	3	He	53.324	ug/l	95291.37
Cu	63	72	1	No Gas	49.439	ug/l	707724.15
Cu	63	72	3	He	51.611	ug/l	244010.58
Cu	65	72	1	No Gas	48.922	ug/l	332532.24
Zn	66	72	1	No Gas	51.926	ug/l	262453.89
Zn	66	72	3	He	57.569	ug/l	62671.97
As	75	72	1	No Gas	51.919	ug/l	331109.40
As	75	72	3	He	50.488	ug/l	55778.40
Se	78	72	2	H2	51.293	ug/l	31588.30
Br	79	72	1	No Gas	35.470	ug/l	376208.25
Br	79	72	2	H2	34.261	ug/l	229815.71
Se	82	72	1	No Gas	51.452	ug/l	17892.41
Kr	84	72	1	No Gas		ug/l	80380.42
Sr	88	72	1	No Gas	240.990	ug/l	9205462.75
Sr	88	72	3	He	231.087	ug/l	1184175.31
Mo	95	115	1	No Gas	48.268	ug/l	358215.45
Mo	95	115	3	He	51.479	ug/l	138461.58
Mo	98	115	1	No Gas	48.211	ug/l	576891.84
Ag	107	115	1	No Gas	20.037	ug/l	379383.70
Ag	109	115	1	No Gas	19.834	ug/l	361407.25
Cd	111	115	1	No Gas	51.277	ug/l	207545.47

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	51.932	ug/l	75138.92
Cd	114	115	1	No Gas	49.703	ug/l	460967.86
Cd	114	115	3	He	50.940	ug/l	182103.02
Sn	118	115	1	No Gas	49.696	ug/l	571051.76
Sn	118	115	3	He	51.445	ug/l	175610.62
Sb	121	115	1	No Gas	52.305	ug/l	956010.43
Sb	121	115	3	He	52.205	ug/l	284152.54
Sb	123	115	1	No Gas	51.305	ug/l	723226.07
Sb	123	115	3	He	52.054	ug/l	224104.23
Ba	135	115	1	No Gas	77.352	ug/l	267989.62
Ba	137	115	1	No Gas	75.355	ug/l	463907.51
La	139	115	3	He	0.008	ug/l	162.23
Ce	140	115	3	He	52.006	ug/l	1058147.20
Hg	201	209	1	No Gas	1.000	ug/l	2144.08
Hg	202	209	1	No Gas	0.991	ug/l	4737.23
Hg	202	209	3	He	1.056	ug/l	2521.41
Tl	203	209	3	He	48.414	ug/l	305154.59
Tl	205	209	1	No Gas	48.563	ug/l	1369888.02
Tl	205	209	3	He	48.049	ug/l	729606.89
[Pb]	206	209	1	No Gas	49.523	ug/l	481666.55
[Pb]	207	209	1	No Gas	49.751	ug/l	413705.08
Pb	208	209	1	No Gas	49.922	ug/l	1916348.89
Th	232	209	3	He	50.229	ug/l	1030171.08
U	238	209	1	No Gas	50.965	ug/l	1877747.62

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3847398.58	99.7
Sc	45	2	H2	1964833.12	87.7
Sc	45	3	He	248801.84	94.2
Ge	72	1	No Gas	926037.37	97.2
Ge	72	2	H2	674591.89	95.6
Ge	72	3	He	151120.40	95.7
In	115	1	No Gas	5466685.21	98.1
In	115	3	He	1436049.59	96.0
Tb	159	1	No Gas	7143253.00	101.9
Tb	159	3	He	3491298.28	103.9
Ho	165	1	No Gas	7034456.45	102.5
Ho	165	3	He	3397211.13	103.9
Lu	175	1	No Gas	7119988.54	104.1
Lu	175	3	He	2964686.28	103.9
Bi	209	1	No Gas	4265203.88	99.1
Bi	209	3	He	2205430.66	99.3

ICPMS207-B Analytical Data

Sample Name	B22020415-001AMSD
File Name	037MSD.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 15:09:58
Sample Type	MSD
Total Dilution	1.0300
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	2296.806	ug/l	32190104.63
Be	9	45	1	No Gas	44.396	ug/l	252177.11
B	11	45	1	No Gas	117.543	ug/l	384562.60
Na	23	45	3	He	113696.253	ug/l	98210029.65
Mg	24	45	3	He	74805.216	ug/l	36430664.19
Al	27	45	1	No Gas	51.720	ug/l	1140145.29
Si	28	45	2	H2	20466.034	ug/l	43987700.73
K	39	72	3	He	51336.678	ug/l	27958276.53
Ca	40	72	2	H2	72337.895	ug/l	545208822.95
Ti	47	72	1	No Gas	53.585	ug/l	119810.76
V	51	72	1	No Gas	57.011	ug/l	1656650.87
V	51	72	3	He	59.376	ug/l	300141.51
Cr	52	72	1	No Gas	46.790	ug/l	1310904.25
Cr	52	72	3	He	51.020	ug/l	252063.98
Mn	55	72	1	No Gas	83.653	ug/l	2787887.29
Mn	55	72	3	He	86.987	ug/l	284868.62
Fe	56	72	2	H2	5141.051	ug/l	81907710.66
Fe	56	72	3	He	5130.094	ug/l	22996843.74
Co	59	72	1	No Gas	46.977	ug/l	1291418.19
Ni	60	72	1	No Gas	47.808	ug/l	301968.57
Ni	60	72	3	He	52.949	ug/l	94897.70
Cu	63	72	1	No Gas	48.166	ug/l	723712.05
Cu	63	72	3	He	52.173	ug/l	247378.99
Cu	65	72	1	No Gas	47.356	ug/l	337700.35
Zn	66	72	1	No Gas	49.027	ug/l	260118.02
Zn	66	72	3	He	56.622	ug/l	61832.86
As	75	72	1	No Gas	49.107	ug/l	330053.75
As	75	72	3	He	51.043	ug/l	56545.82
Se	78	72	2	H2	51.534	ug/l	31640.65
Br	79	72	1	No Gas	34.702	ug/l	386316.81
Br	79	72	2	H2	33.552	ug/l	224523.25
Se	82	72	1	No Gas	49.681	ug/l	18170.50
Kr	84	72	1	No Gas		ug/l	82006.37
Sr	88	72	1	No Gas	230.842	ug/l	9254555.30
Sr	88	72	3	He	235.110	ug/l	1208326.06
Mo	95	115	1	No Gas	45.239	ug/l	363898.66
Mo	95	115	3	He	51.263	ug/l	140256.49
Mo	98	115	1	No Gas	45.138	ug/l	586105.72
Ag	107	115	1	No Gas	18.676	ug/l	383314.81
Ag	109	115	1	No Gas	18.602	ug/l	367633.60
Cd	111	115	1	No Gas	47.742	ug/l	209518.35

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	51.785	ug/l	76226.46
Cd	114	115	1	No Gas	46.224	ug/l	464904.59
Cd	114	115	3	He	50.768	ug/l	184640.56
Sn	118	115	1	No Gas	47.094	ug/l	587306.82
Sn	118	115	3	He	51.252	ug/l	177997.46
Sb	121	115	1	No Gas	49.227	ug/l	975611.67
Sb	121	115	3	He	52.416	ug/l	290254.74
Sb	123	115	1	No Gas	48.190	ug/l	736552.02
Sb	123	115	3	He	51.957	ug/l	227579.23
Ba	135	115	1	No Gas	73.143	ug/l	274422.26
Ba	137	115	1	No Gas	71.018	ug/l	473836.53
La	139	115	3	He	0.007	ug/l	134.44
Ce	140	115	3	He	51.542	ug/l	1066960.08
Hg	201	209	1	No Gas	0.950	ug/l	2116.75
Hg	202	209	1	No Gas	0.987	ug/l	4894.93
Hg	202	209	3	He	1.073	ug/l	2565.74
Tl	203	209	3	He	49.207	ug/l	310510.71
Tl	205	209	1	No Gas	48.268	ug/l	1412949.82
Tl	205	209	3	He	48.391	ug/l	735607.53
[Pb]	206	209	1	No Gas	48.129	ug/l	485990.13
[Pb]	207	209	1	No Gas	48.746	ug/l	420402.94
Pb	208	209	1	No Gas	48.417	ug/l	1929642.94
Th	232	209	3	He	50.031	ug/l	1027382.84
U	238	209	1	No Gas	49.030	ug/l	1875249.12

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	4080844.82	105.8
Sc	45	2	H2	1933431.85	86.3
Sc	45	3	He	251184.31	95.1
Ge	72	1	No Gas	974913.51	102.3
Ge	72	2	H2	672435.06	95.3
Ge	72	3	He	151558.96	96.0
In	115	1	No Gas	5959077.34	107.0
In	115	3	He	1461000.87	97.7
Tb	159	1	No Gas	7506360.26	107.0
Tb	159	3	He	3498821.04	104.2
Ho	165	1	No Gas	7349608.57	107.1
Ho	165	3	He	3496416.68	106.9
Lu	175	1	No Gas	7382168.63	107.9
Lu	175	3	He	2980822.90	104.5
Bi	209	1	No Gas	4443628.17	103.2
Bi	209	3	He	2207203.88	99.4

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	038BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 15:16:13
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	5.022	ug/l	79254.59
Be	9	45	1	No Gas	-0.074	ug/l	142.64
B	11	45	1	No Gas	2.476	ug/l	8937.57
Na	23	45	3	He	32.811	ug/l	66628.82
Mg	24	45	3	He	1.743	ug/l	1976.22
Al	27	45	1	No Gas	-0.314	ug/l	10836.19
Si	28	45	2	H2	-0.655	ug/l	12626.38
K	39	72	3	He	-6.945	ug/l	127830.56
Ca	40	72	2	H2	1.079	ug/l	165751.35
Ti	47	72	1	No Gas	0.143	ug/l	705.73
V	51	72	1	No Gas	-3.058	ug/l	-73120.39
V	51	72	3	He	-0.988	ug/l	31537.10
Cr	52	72	1	No Gas	-0.827	ug/l	101620.02
Cr	52	72	3	He	0.014	ug/l	1705.67
Mn	55	72	1	No Gas	0.331	ug/l	22735.84
Mn	55	72	3	He	0.003	ug/l	175.63
Fe	56	72	2	H2	0.169	ug/l	12421.09
Fe	56	72	3	He	0.215	ug/l	8080.36
Co	59	72	1	No Gas	-0.003	ug/l	349.31
Ni	60	72	1	No Gas	0.146	ug/l	1716.70
Ni	60	72	3	He	-0.024	ug/l	87.78
Cu	63	72	1	No Gas	0.031	ug/l	2223.07
Cu	63	72	3	He	-0.011	ug/l	357.60
Cu	65	72	1	No Gas	-0.031	ug/l	803.01
Zn	66	72	1	No Gas	-0.046	ug/l	2395.64
Zn	66	72	3	He	-0.001	ug/l	527.79
As	75	72	1	No Gas	-0.390	ug/l	18138.32
As	75	72	3	He	-0.157	ug/l	619.13
Se	78	72	2	H2	-0.011	ug/l	41.11
Br	79	72	1	No Gas	0.781	ug/l	15757.41
Br	79	72	2	H2	0.653	ug/l	8941.75
Se	82	72	1	No Gas	-0.391	ug/l	839.02
Kr	84	72	1	No Gas		ug/l	24139.00
Sr	88	72	1	No Gas	0.002	ug/l	638.75
Sr	88	72	3	He	0.004	ug/l	181.11
Mo	95	115	1	No Gas	0.082	ug/l	755.58
Mo	95	115	3	He	0.079	ug/l	263.34
Mo	98	115	1	No Gas	0.084	ug/l	1246.52
Ag	107	115	1	No Gas	-0.001	ug/l	1484.01
Ag	109	115	1	No Gas	-0.006	ug/l	1441.99
Cd	111	115	1	No Gas	0.006	ug/l	12.69

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.006	ug/l	13.11
Cd	114	115	1	No Gas	0.004	ug/l	-93.61
Cd	114	115	3	He	0.005	ug/l	30.06
Sn	118	115	1	No Gas	0.047	ug/l	1746.66
Sn	118	115	3	He	0.035	ug/l	471.12
Sb	121	115	1	No Gas	0.104	ug/l	2448.46
Sb	121	115	3	He	0.095	ug/l	662.75
Sb	123	115	1	No Gas	0.104	ug/l	1874.99
Sb	123	115	3	He	0.090	ug/l	509.06
Ba	135	115	1	No Gas	0.002	ug/l	39.92
Ba	137	115	1	No Gas	-0.003	ug/l	26.61
La	139	115	3	He	0.000	ug/l	10.00
Ce	140	115	3	He	0.001	ug/l	28.89
Hg	201	209	1	No Gas	-0.002	ug/l	30.66
Hg	202	209	1	No Gas	0.005	ug/l	95.65
Hg	202	209	3	He	0.007	ug/l	51.99
Tl	203	209	3	He	0.089	ug/l	753.66
Tl	205	209	1	No Gas	0.055	ug/l	2288.00
Tl	205	209	3	He	0.081	ug/l	1727.48
[Pb]	206	209	1	No Gas	0.005	ug/l	186.67
[Pb]	207	209	1	No Gas	0.003	ug/l	143.33
Pb	208	209	1	No Gas	0.003	ug/l	658.90
Th	232	209	3	He	0.030	ug/l	971.76
U	238	209	1	No Gas	0.004	ug/l	183.30

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3806642.52	98.7
Sc	45	2	H2	2030042.45	90.6
Sc	45	3	He	246237.72	93.2
Ge	72	1	No Gas	935915.05	98.2
Ge	72	2	H2	688272.93	97.6
Ge	72	3	He	151498.15	95.9
In	115	1	No Gas	5802696.50	104.2
In	115	3	He	1505753.37	100.7
Tb	159	1	No Gas	7061800.98	100.7
Tb	159	3	He	3478751.47	103.6
Ho	165	1	No Gas	6968579.53	101.5
Ho	165	3	He	3403819.12	104.1
Lu	175	1	No Gas	7040949.24	102.9
Lu	175	3	He	2899132.26	101.6
Bi	209	1	No Gas	4335398.43	100.7
Bi	209	3	He	2319012.02	104.4

ICPMS207-B Analytical Data

Sample Name	B22020415-001B
File Name	039SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 15:22:26
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	4.210	ug/l	65194.96
Be	9	45	1	No Gas	-0.062	ug/l	196.30
B	11	45	1	No Gas	72.055	ug/l	217419.02
Na	23	45	3	He	65465.578	ug/l	51160188.13
Mg	24	45	3	He	24833.911	ug/l	10939637.57
Al	27	45	1	No Gas	17.286	ug/l	361056.81
Si	28	45	2	H2	20949.441	ug/l	43602022.14
K	39	72	3	He	2715.551	ug/l	1476230.41
Ca	40	72	2	H2	25248.237	ug/l	180170087.07
Ti	47	72	1	No Gas	2.374	ug/l	5424.81
V	51	72	1	No Gas	10.469	ug/l	299230.84
V	51	72	3	He	14.147	ug/l	90371.23
Cr	52	72	1	No Gas	2.103	ug/l	168509.32
Cr	52	72	3	He	1.797	ug/l	9605.41
Mn	55	72	1	No Gas	37.500	ug/l	1197233.05
Mn	55	72	3	He	39.477	ug/l	119370.71
Fe	56	72	2	H2	47.461	ug/l	724411.54
Fe	56	72	3	He	46.387	ug/l	198186.45
Co	59	72	1	No Gas	0.239	ug/l	6664.99
Ni	60	72	1	No Gas	2.032	ug/l	12960.07
Ni	60	72	3	He	2.051	ug/l	3506.00
Cu	63	72	1	No Gas	1.988	ug/l	30098.97
Cu	63	72	3	He	1.813	ug/l	8291.69
Cu	65	72	1	No Gas	1.758	ug/l	12908.90
Zn	66	72	1	No Gas	6.206	ug/l	33638.01
Zn	66	72	3	He	7.351	ug/l	7816.58
As	75	72	1	No Gas	-0.278	ug/l	18112.44
As	75	72	3	He	0.239	ug/l	953.34
Se	78	72	2	H2	0.516	ug/l	342.34
Br	79	72	1	No Gas	8.203	ug/l	92387.94
Br	79	72	2	H2	8.198	ug/l	54888.61
Se	82	72	1	No Gas	-0.252	ug/l	852.23
Kr	84	72	1	No Gas		ug/l	63576.89
Sr	88	72	1	No Gas	186.848	ug/l	7138249.57
Sr	88	72	3	He	189.825	ug/l	900138.43
Mo	95	115	1	No Gas	0.476	ug/l	3740.52
Mo	95	115	3	He	0.549	ug/l	1444.53
Mo	98	115	1	No Gas	0.456	ug/l	5786.21
Ag	107	115	1	No Gas	-0.061	ug/l	237.43
Ag	109	115	1	No Gas	-0.065	ug/l	246.10
Cd	111	115	1	No Gas	0.051	ug/l	202.40

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.051	ug/l	74.44
Cd	114	115	1	No Gas	0.054	ug/l	386.59
Cd	114	115	3	He	0.044	ug/l	159.35
Sn	118	115	1	No Gas	0.413	ug/l	5989.45
Sn	118	115	3	He	0.433	ug/l	1715.67
Sb	121	115	1	No Gas	0.168	ug/l	3528.47
Sb	121	115	3	He	0.178	ug/l	1018.47
Sb	123	115	1	No Gas	0.174	ug/l	2798.56
Sb	123	115	3	He	0.178	ug/l	816.44
Ba	135	115	1	No Gas	25.239	ug/l	90389.81
Ba	137	115	1	No Gas	23.992	ug/l	152792.12
La	139	115	3	He	0.019	ug/l	358.90
Ce	140	115	3	He	0.031	ug/l	613.35
Hg	201	209	1	No Gas	0.020	ug/l	76.99
Hg	202	209	1	No Gas	0.025	ug/l	186.63
Hg	202	209	3	He	0.038	ug/l	120.31
Tl	203	209	3	He	0.094	ug/l	739.65
Tl	205	209	1	No Gas	0.063	ug/l	2472.48
Tl	205	209	3	He	0.091	ug/l	1756.82
[Pb]	206	209	1	No Gas	0.288	ug/l	2998.14
[Pb]	207	209	1	No Gas	0.285	ug/l	2529.15
Pb	208	209	1	No Gas	0.283	ug/l	11632.06
Th	232	209	3	He	0.176	ug/l	3942.85
U	238	209	1	No Gas	0.032	ug/l	1224.81

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3632399.64	94.2
Sc	45	2	H2	1818321.10	81.2
Sc	45	3	He	220568.68	83.5
Ge	72	1	No Gas	902273.77	94.7
Ge	72	2	H2	618120.95	87.6
Ge	72	3	He	135780.79	86.0
In	115	1	No Gas	5472711.56	98.2
In	115	3	He	1334638.01	89.2
Tb	159	1	No Gas	7034041.92	100.3
Tb	159	3	He	3239195.88	96.4
Ho	165	1	No Gas	6745563.81	98.3
Ho	165	3	He	3224736.55	98.6
Lu	175	1	No Gas	6788453.47	99.2
Lu	175	3	He	2754345.21	96.5
Bi	209	1	No Gas	4226237.15	98.2
Bi	209	3	He	2163667.83	97.4

ICPMS207-B Analytical Data

Sample Name	B22020415-001BDIL
File Name	040SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 15:28:40
Sample Type	Sample
Total Dilution	5.0000
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	9.172	ug/l	37527.07
Be	9	45	1	No Gas	-0.385	ug/l	129.31
B	11	45	1	No Gas	76.184	ug/l	50987.82
Na	23	45	3	He	66796.899	ug/l	10905131.09
Mg	24	45	3	He	25544.467	ug/l	2345550.16
Al	27	45	1	No Gas	22.424	ug/l	115626.66
Si	28	45	2	H2	21104.540	ug/l	9336981.66
K	39	72	3	He	2404.543	ug/l	383544.72
Ca	40	72	2	H2	24972.390	ug/l	38936309.94
Ti	47	72	1	No Gas	2.482	ug/l	1491.58
V	51	72	1	No Gas	4.681	ug/l	41133.92
V	51	72	3	He	3.203	ug/l	37386.25
Cr	52	72	1	No Gas	-3.679	ug/l	104347.85
Cr	52	72	3	He	1.861	ug/l	3371.52
Mn	55	72	1	No Gas	38.858	ug/l	268722.17
Mn	55	72	3	He	38.183	ug/l	24828.59
Fe	56	72	2	H2	48.619	ug/l	168979.45
Fe	56	72	3	He	47.236	ug/l	48578.79
Co	59	72	1	No Gas	0.222	ug/l	1656.82
Ni	60	72	1	No Gas	2.446	ug/l	3876.17
Ni	60	72	3	He	1.852	ug/l	781.14
Cu	63	72	1	No Gas	2.217	ug/l	8391.78
Cu	63	72	3	He	1.939	ug/l	2208.06
Cu	65	72	1	No Gas	1.808	ug/l	3586.56
Zn	66	72	1	No Gas	6.106	ug/l	9029.85
Zn	66	72	3	He	7.023	ug/l	2007.93
As	75	72	1	No Gas	-4.725	ug/l	14887.01
As	75	72	3	He	-0.733	ug/l	604.33
Se	78	72	2	H2	0.414	ug/l	99.11
Br	79	72	1	No Gas	10.042	ug/l	29184.95
Br	79	72	2	H2	9.285	ug/l	16886.51
Se	82	72	1	No Gas	-2.654	ug/l	793.42
Kr	84	72	1	No Gas		ug/l	30378.45
Sr	88	72	1	No Gas	192.495	ug/l	1537832.29
Sr	88	72	3	He	183.763	ug/l	186553.69
Mo	95	115	1	No Gas	0.465	ug/l	864.48
Mo	95	115	3	He	0.551	ug/l	345.56
Mo	98	115	1	No Gas	0.462	ug/l	1389.67
Ag	107	115	1	No Gas	-0.325	ug/l	175.41
Ag	109	115	1	No Gas	-0.354	ug/l	153.40
Cd	111	115	1	No Gas	0.091	ug/l	67.91

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.044	ug/l	17.44
Cd	114	115	1	No Gas	0.116	ug/l	102.95
Cd	114	115	3	He	0.048	ug/l	47.42
Sn	118	115	1	No Gas	0.670	ug/l	2894.61
Sn	118	115	3	He	0.617	ug/l	774.47
Sb	121	115	1	No Gas	0.235	ug/l	1329.53
Sb	121	115	3	He	0.246	ug/l	385.04
Sb	123	115	1	No Gas	0.247	ug/l	1053.15
Sb	123	115	3	He	0.258	ug/l	322.70
Ba	135	115	1	No Gas	25.024	ug/l	19365.12
Ba	137	115	1	No Gas	23.980	ug/l	32986.92
La	139	115	3	He	0.018	ug/l	76.66
Ce	140	115	3	He	0.031	ug/l	137.78
Hg	201	209	1	No Gas	0.013	ug/l	43.66
Hg	202	209	1	No Gas	0.031	ug/l	107.98
Hg	202	209	3	He	0.070	ug/l	70.32
Tl	203	209	3	He	0.199	ug/l	429.51
Tl	205	209	1	No Gas	0.125	ug/l	1504.54
Tl	205	209	3	He	0.182	ug/l	1012.45
[Pb]	206	209	1	No Gas	0.292	ug/l	783.36
[Pb]	207	209	1	No Gas	0.304	ug/l	691.14
Pb	208	209	1	No Gas	0.307	ug/l	3203.51
Th	232	209	3	He	0.100	ug/l	765.00
U	238	209	1	No Gas	0.031	ug/l	268.28

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3938812.94	102.1
Sc	45	2	H2	1929601.27	86.1
Sc	45	3	He	229805.89	87.0
Ge	72	1	No Gas	939765.38	98.6
Ge	72	2	H2	672736.83	95.4
Ge	72	3	He	145238.49	92.0
In	115	1	No Gas	5899386.85	105.9
In	115	3	He	1465962.44	98.0
Tb	159	1	No Gas	7736492.78	110.3
Tb	159	3	He	3443507.27	102.5
Ho	165	1	No Gas	7446504.21	108.5
Ho	165	3	He	3468576.13	106.1
Lu	175	1	No Gas	7460232.89	109.1
Lu	175	3	He	2941716.17	103.1
Bi	209	1	No Gas	4630364.29	107.6
Bi	209	3	He	2364440.19	106.4

ICPMS207-B Analytical Data

Sample Name	B22020415-001BPDS1
File Name	041ARef.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 15:34:53
Sample Type	AllRef
Total Dilution	1.0300
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	2244.068	ug/l	27819433.13
Be	9	45	1	No Gas	43.068	ug/l	216395.90
B	11	45	1	No Gas	122.186	ug/l	353315.27
Na	23	45	3	He	114871.870	ug/l	89569249.78
Mg	24	45	3	He	76366.921	ug/l	33572421.86
Al	27	45	1	No Gas	60.824	ug/l	1183038.34
Si	28	45	2	H2	20787.449	ug/l	40571084.16
K	39	72	3	He	49634.290	ug/l	25017513.79
Ca	40	72	2	H2	71526.479	ug/l	496507016.19
Ti	47	72	1	No Gas	52.010	ug/l	110338.55
V	51	72	1	No Gas	53.816	ug/l	1485279.86
V	51	72	3	He	64.789	ug/l	300011.78
Cr	52	72	1	No Gas	49.347	ug/l	1305474.76
Cr	52	72	3	He	51.077	ug/l	233470.08
Mn	55	72	1	No Gas	81.699	ug/l	2583968.12
Mn	55	72	3	He	87.617	ug/l	265493.74
Fe	56	72	2	H2	5172.926	ug/l	75929250.74
Fe	56	72	3	He	5180.320	ug/l	21485278.27
Co	59	72	1	No Gas	44.604	ug/l	1163498.27
Ni	60	72	1	No Gas	45.577	ug/l	273247.72
Ni	60	72	3	He	52.266	ug/l	86668.99
Cu	63	72	1	No Gas	46.496	ug/l	663119.95
Cu	63	72	3	He	52.382	ug/l	229801.80
Cu	65	72	1	No Gas	45.836	ug/l	310400.78
Zn	66	72	1	No Gas	47.731	ug/l	240423.25
Zn	66	72	3	He	56.215	ug/l	56800.41
As	75	72	1	No Gas	48.702	ug/l	310747.17
As	75	72	3	He	50.510	ug/l	51781.40
Se	78	72	2	H2	51.758	ug/l	29273.92
Br	79	72	1	No Gas	9.021	ug/l	100655.39
Br	79	72	2	H2	8.624	ug/l	56117.14
Se	82	72	1	No Gas	47.980	ug/l	16682.63
Kr	84	72	1	No Gas		ug/l	74650.97
Sr	88	72	1	No Gas	222.011	ug/l	8447143.43
Sr	88	72	3	He	232.073	ug/l	1103435.00
Mo	95	115	1	No Gas	48.240	ug/l	342543.64
Mo	95	115	3	He	52.464	ug/l	131824.27
Mo	98	115	1	No Gas	47.661	ug/l	545631.36
Ag	107	115	1	No Gas	19.420	ug/l	351759.07
Ag	109	115	1	No Gas	19.451	ug/l	338908.20
Cd	111	115	1	No Gas	49.594	ug/l	192014.77

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	52.078	ug/l	70404.12
Cd	114	115	1	No Gas	47.915	ug/l	425183.30
Cd	114	115	3	He	51.164	ug/l	170900.15
Sn	118	115	1	No Gas	50.422	ug/l	554893.58
Sn	118	115	3	He	53.065	ug/l	169243.57
Sb	121	115	1	No Gas	50.904	ug/l	889988.20
Sb	121	115	3	He	52.334	ug/l	266156.66
Sb	123	115	1	No Gas	49.847	ug/l	672324.19
Sb	123	115	3	He	52.257	ug/l	210217.91
Ba	135	115	1	No Gas	76.520	ug/l	253634.55
Ba	137	115	1	No Gas	73.369	ug/l	432408.42
La	139	115	3	He	0.015	ug/l	268.89
Ce	140	115	3	He	52.542	ug/l	998904.40
Hg	201	209	1	No Gas	0.955	ug/l	1959.09
Hg	202	209	1	No Gas	1.010	ug/l	4607.55
Hg	202	209	3	He	1.046	ug/l	2417.41
Tl	203	209	3	He	49.038	ug/l	298783.10
Tl	205	209	1	No Gas	48.622	ug/l	1310172.30
Tl	205	209	3	He	48.285	ug/l	708743.74
[Pb]	206	209	1	No Gas	49.065	ug/l	455723.57
[Pb]	207	209	1	No Gas	49.060	ug/l	389258.03
Pb	208	209	1	No Gas	49.366	ug/l	1809804.37
Th	232	209	3	He	49.693	ug/l	985244.30
U	238	209	1	No Gas	49.773	ug/l	1750889.81

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3576570.07	92.7
Sc	45	2	H2	1756244.46	78.4
Sc	45	3	He	226743.17	85.8
Ge	72	1	No Gas	921960.39	96.8
Ge	72	2	H2	619444.73	87.8
Ge	72	3	He	140250.91	88.8
In	115	1	No Gas	5213129.85	93.6
In	115	3	He	1341771.72	89.7
Tb	159	1	No Gas	6781241.94	96.7
Tb	159	3	He	3295405.34	98.1
Ho	165	1	No Gas	6749308.55	98.3
Ho	165	3	He	3255419.65	99.5
Lu	175	1	No Gas	6697873.89	97.9
Lu	175	3	He	2805682.30	98.3
Bi	209	1	No Gas	4062671.37	94.4
Bi	209	3	He	2132036.28	96.0

ICPMS207-B Analytical Data

Sample Name	B22020415-001BMS4
File Name	042MS4.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 15:41:08
Sample Type	MS4
Total Dilution	1.0000
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	94.655	ug/l	1301014.37
Be	9	45	1	No Gas	43.745	ug/l	241637.53
B	11	45	1	No Gas	166.799	ug/l	529813.57
Na	23	45	3	He	69264.656	ug/l	57308325.26
Mg	24	45	3	He	29575.499	ug/l	13794477.03
Al	27	45	1	No Gas	479.111	ug/l	10121768.88
Si	28	45	2	H2	21587.040	ug/l	45972790.06
K	39	72	3	He	7445.633	ug/l	4121006.85
Ca	40	72	2	H2	29695.253	ug/l	220693165.39
Ti	47	72	1	No Gas	94.406	ug/l	211844.65
V	51	72	1	No Gas	102.982	ug/l	2996874.71
V	51	72	3	He	113.793	ug/l	535632.46
Cr	52	72	1	No Gas	94.831	ug/l	2536001.55
Cr	52	72	3	He	99.385	ug/l	484255.40
Mn	55	72	1	No Gas	506.862	ug/l	16916389.53
Mn	55	72	3	He	548.679	ug/l	1777497.55
Fe	56	72	2	H2	560.079	ug/l	8805014.81
Fe	56	72	3	He	549.134	ug/l	2442629.89
Co	59	72	1	No Gas	93.668	ug/l	2587845.86
Ni	60	72	1	No Gas	91.743	ug/l	581809.76
Ni	60	72	3	He	106.554	ug/l	188805.37
Cu	63	72	1	No Gas	94.442	ug/l	1424812.87
Cu	63	72	3	He	104.797	ug/l	491395.38
Cu	65	72	1	No Gas	92.816	ug/l	664768.42
Zn	66	72	1	No Gas	92.789	ug/l	492433.55
Zn	66	72	3	He	107.099	ug/l	115287.03
As	75	72	1	No Gas	93.629	ug/l	612228.90
As	75	72	3	He	99.465	ug/l	108278.25
Se	78	72	2	H2	103.560	ug/l	62634.45
Br	79	72	1	No Gas	7.639	ug/l	91251.93
Br	79	72	2	H2	7.870	ug/l	55055.36
Se	82	72	1	No Gas	95.600	ug/l	34176.37
Kr	84	72	1	No Gas		ug/l	98165.10
Sr	88	72	1	No Gas	282.294	ug/l	11378630.01
Sr	88	72	3	He	295.171	ug/l	1501347.13
Mo	95	115	1	No Gas	91.613	ug/l	725377.43
Mo	95	115	3	He	103.181	ug/l	281472.34
Mo	98	115	1	No Gas	91.843	ug/l	1172411.60
Ag	107	115	1	No Gas	9.052	ug/l	183599.90
Ag	109	115	1	No Gas	9.049	ug/l	176630.77
Cd	111	115	1	No Gas	48.930	ug/l	211313.31

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	51.817	ug/l	76073.36
Cd	114	115	1	No Gas	47.272	ug/l	467829.60
Cd	114	115	3	He	50.823	ug/l	184346.31
Sn	118	115	1	No Gas	98.641	ug/l	1209212.84
Sn	118	115	3	He	103.789	ug/l	359063.56
Sb	121	115	1	No Gas	101.208	ug/l	1973263.84
Sb	121	115	3	He	103.928	ug/l	573882.56
Sb	123	115	1	No Gas	101.842	ug/l	1531567.51
Sb	123	115	3	He	105.626	ug/l	461321.50
Ba	135	115	1	No Gas	120.045	ug/l	443838.54
Ba	137	115	1	No Gas	114.804	ug/l	754690.82
La	139	115	3	He	106.577	ug/l	2066326.62
Ce	140	115	3	He	107.417	ug/l	2217346.93
Hg	201	209	1	No Gas	0.018	ug/l	72.99
Hg	202	209	1	No Gas	0.029	ug/l	210.63
Hg	202	209	3	He	0.037	ug/l	120.98
Tl	203	209	3	He	99.066	ug/l	644551.32
Tl	205	209	1	No Gas	98.758	ug/l	2870539.05
Tl	205	209	3	He	98.623	ug/l	1545680.15
[Pb]	206	209	1	No Gas	98.391	ug/l	986108.47
[Pb]	207	209	1	No Gas	100.159	ug/l	857580.60
Pb	208	209	1	No Gas	100.215	ug/l	3964111.60
Th	232	209	3	He	102.481	ug/l	2169720.59
U	238	209	1	No Gas	100.508	ug/l	3815219.41

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3821343.09	99.1
Sc	45	2	H2	1860262.83	83.0
Sc	45	3	He	233553.06	88.4
Ge	72	1	No Gas	948252.32	99.5
Ge	72	2	H2	643569.95	91.2
Ge	72	3	He	145690.45	92.3
In	115	1	No Gas	5643014.42	101.3
In	115	3	He	1414969.94	94.6
Tb	159	1	No Gas	7114829.52	101.5
Tb	159	3	He	3343169.22	99.5
Ho	165	1	No Gas	6957949.11	101.4
Ho	165	3	He	3318432.80	101.5
Lu	175	1	No Gas	7146463.66	104.5
Lu	175	3	He	2891325.42	101.3
Bi	209	1	No Gas	4256508.91	98.9
Bi	209	3	He	2209643.50	99.5

ICPMS207-B Analytical Data

Sample Name	CCV
File Name	043_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 15:47:22
Sample Type	CCV
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	620.399	ug/l	8686136.17
Be	9	45	1	No Gas	46.726	ug/l	264886.98
B	11	45	1	No Gas	53.939	ug/l	176647.13
Na	23	45	3	He	13742.174	ug/l	12519168.15
Mg	24	45	3	He	13608.905	ug/l	6972390.40
Al	27	45	1	No Gas	50.191	ug/l	1103522.26
Si	28	45	2	H2	223.758	ug/l	531245.50
K	39	72	3	He	12564.304	ug/l	7473828.50
Ca	40	72	2	H2	12872.628	ug/l	105635411.69
Ti	47	72	1	No Gas	48.297	ug/l	114400.24
V	51	72	1	No Gas	48.883	ug/l	1504447.52
V	51	72	3	He	47.049	ug/l	263124.98
Cr	52	72	1	No Gas	47.730	ug/l	1410010.47
Cr	52	72	3	He	49.908	ug/l	265596.14
Mn	55	72	1	No Gas	49.342	ug/l	1746595.94
Mn	55	72	3	He	50.947	ug/l	179786.71
Fe	56	72	2	H2	1370.282	ug/l	23745010.01
Fe	56	72	3	He	1328.358	ug/l	6420130.64
Co	59	72	1	No Gas	49.113	ug/l	1429992.80
Ni	60	72	1	No Gas	47.936	ug/l	320730.41
Ni	60	72	3	He	52.378	ug/l	101115.93
Cu	63	72	1	No Gas	48.627	ug/l	773937.67
Cu	63	72	3	He	52.434	ug/l	267783.08
Cu	65	72	1	No Gas	48.385	ug/l	365575.96
Zn	66	72	1	No Gas	47.313	ug/l	265993.43
Zn	66	72	3	He	52.644	ug/l	61944.50
As	75	72	1	No Gas	50.594	ug/l	358553.60
As	75	72	3	He	50.039	ug/l	59703.08
Se	78	72	2	H2	51.497	ug/l	34375.70
Br	79	72	1	No Gas	0.541	ug/l	14042.33
Br	79	72	2	H2	0.596	ug/l	8818.63
Se	82	72	1	No Gas	49.849	ug/l	19280.60
Kr	84	72	1	No Gas		ug/l	38975.35
Sr	88	72	1	No Gas	51.536	ug/l	2189394.16
Sr	88	72	3	He	50.416	ug/l	279202.39
Mo	95	115	1	No Gas	48.526	ug/l	395612.95
Mo	95	115	3	He	51.858	ug/l	151967.64
Mo	98	115	1	No Gas	48.793	ug/l	641398.94
Ag	107	115	1	No Gas	19.988	ug/l	415389.91
Ag	109	115	1	No Gas	19.783	ug/l	395806.28
Cd	111	115	1	No Gas	51.557	ug/l	229192.07

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	52.695	ug/l	83070.64
Cd	114	115	1	No Gas	50.278	ug/l	512313.05
Cd	114	115	3	He	51.248	ug/l	199618.33
Sn	118	115	1	No Gas	49.796	ug/l	629166.42
Sn	118	115	3	He	51.947	ug/l	193191.11
Sb	121	115	1	No Gas	52.531	ug/l	1054737.90
Sb	121	115	3	He	51.903	ug/l	307827.28
Sb	123	115	1	No Gas	51.568	ug/l	798409.91
Sb	123	115	3	He	52.305	ug/l	245357.36
Ba	135	115	1	No Gas	52.333	ug/l	199132.88
Ba	137	115	1	No Gas	49.599	ug/l	335666.86
La	139	115	3	He	51.527	ug/l	1072728.54
Ce	140	115	3	He	52.579	ug/l	1165685.63
Hg	201	209	1	No Gas	0.993	ug/l	2348.41
Hg	202	209	1	No Gas	0.998	ug/l	5255.99
Hg	202	209	3	He	1.039	ug/l	2764.41
Tl	203	209	3	He	48.286	ug/l	339087.45
Tl	205	209	1	No Gas	49.406	ug/l	1537594.84
Tl	205	209	3	He	47.475	ug/l	803099.69
[Pb]	206	209	1	No Gas	49.421	ug/l	530197.82
[Pb]	207	209	1	No Gas	50.114	ug/l	459267.76
Pb	208	209	1	No Gas	50.292	ug/l	2129584.09
Th	232	209	3	He	48.091	ug/l	1099006.64
U	238	209	1	No Gas	49.628	ug/l	2016467.24

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3920848.61	101.6
Sc	45	2	H2	2019541.36	90.1
Sc	45	3	He	256491.76	97.1
Ge	72	1	No Gas	999630.97	104.9
Ge	72	2	H2	709869.65	100.6
Ge	72	3	He	158507.10	100.4
In	115	1	No Gas	5816304.03	104.4
In	115	3	He	1519162.57	101.6
Tb	159	1	No Gas	7481394.20	106.7
Tb	159	3	He	3560621.46	106.0
Ho	165	1	No Gas	7337378.32	106.9
Ho	165	3	He	3468635.75	106.1
Lu	175	1	No Gas	7363805.21	107.6
Lu	175	3	He	3020181.09	105.9
Bi	209	1	No Gas	4556892.53	105.9
Bi	209	3	He	2384708.14	107.4

ICPMS207-B Analytical Data

Sample Name	CCB
File Name	044_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 15:53:37
Sample Type	CCB
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	2.313	ug/l	43279.21
Be	9	45	1	No Gas	-0.069	ug/l	168.64
B	11	45	1	No Gas	1.788	ug/l	6864.31
Na	23	45	3	He	21.292	ug/l	55316.65
Mg	24	45	3	He	1.724	ug/l	1922.97
Al	27	45	1	No Gas	-0.398	ug/l	9220.66
Si	28	45	2	H2	-0.099	ug/l	13886.00
K	39	72	3	He	-18.539	ug/l	118087.84
Ca	40	72	2	H2	0.002	ug/l	158255.96
Ti	47	72	1	No Gas	0.019	ug/l	440.45
V	51	72	1	No Gas	-1.679	ug/l	-32411.17
V	51	72	3	He	-1.361	ug/l	29025.22
Cr	52	72	1	No Gas	-0.865	ug/l	102933.61
Cr	52	72	3	He	0.029	ug/l	1732.33
Mn	55	72	1	No Gas	0.289	ug/l	21829.58
Mn	55	72	3	He	0.000	ug/l	160.30
Fe	56	72	2	H2	0.078	ug/l	10958.48
Fe	56	72	3	He	0.126	ug/l	7461.08
Co	59	72	1	No Gas	-0.001	ug/l	415.85
Ni	60	72	1	No Gas	0.036	ug/l	1047.96
Ni	60	72	3	He	-0.019	ug/l	95.56
Cu	63	72	1	No Gas	-0.002	ug/l	1770.16
Cu	63	72	3	He	-0.008	ug/l	363.60
Cu	65	72	1	No Gas	-0.045	ug/l	717.64
Zn	66	72	1	No Gas	-0.115	ug/l	2082.73
Zn	66	72	3	He	-0.053	ug/l	457.79
As	75	72	1	No Gas	-0.591	ug/l	17339.69
As	75	72	3	He	-0.170	ug/l	587.27
Se	78	72	2	H2	-0.007	ug/l	43.89
Br	79	72	1	No Gas	0.291	ug/l	10696.13
Br	79	72	2	H2	0.290	ug/l	6468.63
Se	82	72	1	No Gas	-0.052	ug/l	967.31
Kr	84	72	1	No Gas		ug/l	23106.15
Sr	88	72	1	No Gas	-0.001	ug/l	552.25
Sr	88	72	3	He	0.003	ug/l	166.67
Mo	95	115	1	No Gas	0.040	ug/l	427.79
Mo	95	115	3	He	0.036	ug/l	137.78
Mo	98	115	1	No Gas	0.047	ug/l	777.46
Ag	107	115	1	No Gas	-0.002	ug/l	1475.34
Ag	109	115	1	No Gas	-0.007	ug/l	1429.98
Cd	111	115	1	No Gas	0.010	ug/l	33.38

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.006	ug/l	13.56
Cd	114	115	1	No Gas	0.007	ug/l	-63.48
Cd	114	115	3	He	0.006	ug/l	33.08
Sn	118	115	1	No Gas	0.009	ug/l	1274.21
Sn	118	115	3	He	0.007	ug/l	363.34
Sb	121	115	1	No Gas	0.110	ug/l	2591.17
Sb	121	115	3	He	0.086	ug/l	604.07
Sb	123	115	1	No Gas	0.106	ug/l	1922.66
Sb	123	115	3	He	0.084	ug/l	474.05
Ba	135	115	1	No Gas	-0.001	ug/l	26.61
Ba	137	115	1	No Gas	-0.005	ug/l	13.31
La	139	115	3	He	0.001	ug/l	17.78
Ce	140	115	3	He	0.001	ug/l	18.89
Hg	201	209	1	No Gas	-0.001	ug/l	33.99
Hg	202	209	1	No Gas	0.007	ug/l	109.98
Hg	202	209	3	He	0.006	ug/l	48.66
Tl	203	209	3	He	0.172	ug/l	1300.59
Tl	205	209	1	No Gas	0.114	ug/l	4195.15
Tl	205	209	3	He	0.174	ug/l	3197.01
[Pb]	206	209	1	No Gas	0.004	ug/l	184.45
[Pb]	207	209	1	No Gas	0.004	ug/l	156.67
Pb	208	209	1	No Gas	0.003	ug/l	698.90
Th	232	209	3	He	0.048	ug/l	1337.28
U	238	209	1	No Gas	0.004	ug/l	163.30

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3875716.97	100.5
Sc	45	2	H2	2025675.68	90.4
Sc	45	3	He	240720.07	91.1
Ge	72	1	No Gas	959576.75	100.7
Ge	72	2	H2	692758.30	98.2
Ge	72	3	He	147442.11	93.4
In	115	1	No Gas	5865692.40	105.3
In	115	3	He	1483893.17	99.2
Tb	159	1	No Gas	7346381.96	104.8
Tb	159	3	He	3461737.66	103.1
Ho	165	1	No Gas	7126427.58	103.8
Ho	165	3	He	3429956.08	104.9
Lu	175	1	No Gas	7228013.44	105.7
Lu	175	3	He	2876483.60	100.8
Bi	209	1	No Gas	4535773.89	105.4
Bi	209	3	He	2276718.11	102.5

ICPMS207-B Analytical Data

Sample Name	B22020415-001BMSD4
File Name	045MSD4.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 15:59:51
Sample Type	MSD4
Total Dilution	1.0000
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	91.750	ug/l	1204499.87
Be	9	45	1	No Gas	42.672	ug/l	225099.29
B	11	45	1	No Gas	167.966	ug/l	509396.45
Na	23	45	3	He	68204.160	ug/l	54162954.19
Mg	24	45	3	He	29460.468	ug/l	13188262.88
Al	27	45	1	No Gas	479.062	ug/l	9660990.13
Si	28	45	2	H2	21546.631	ug/l	44698118.22
K	39	72	3	He	7366.897	ug/l	3871581.82
Ca	40	72	2	H2	28783.496	ug/l	212965683.18
Ti	47	72	1	No Gas	90.540	ug/l	199128.99
V	51	72	1	No Gas	95.822	ug/l	2733926.66
V	51	72	3	He	112.509	ug/l	502990.20
Cr	52	72	1	No Gas	93.788	ug/l	2460129.00
Cr	52	72	3	He	102.010	ug/l	471913.33
Mn	55	72	1	No Gas	508.225	ug/l	16627840.79
Mn	55	72	3	He	542.807	ug/l	1669224.35
Fe	56	72	2	H2	554.043	ug/l	8672096.79
Fe	56	72	3	He	558.996	ug/l	2359849.25
Co	59	72	1	No Gas	91.450	ug/l	2476267.69
Ni	60	72	1	No Gas	89.368	ug/l	555476.80
Ni	60	72	3	He	106.804	ug/l	179698.36
Cu	63	72	1	No Gas	92.412	ug/l	1366611.53
Cu	63	72	3	He	106.641	ug/l	474624.75
Cu	65	72	1	No Gas	92.252	ug/l	647681.80
Zn	66	72	1	No Gas	91.529	ug/l	476010.13
Zn	66	72	3	He	108.652	ug/l	110995.40
As	75	72	1	No Gas	95.099	ug/l	609172.91
As	75	72	3	He	100.733	ug/l	104092.30
Se	78	72	2	H2	102.566	ug/l	61758.79
Br	79	72	1	No Gas	8.032	ug/l	93655.78
Br	79	72	2	H2	8.137	ug/l	56514.31
Se	82	72	1	No Gas	96.175	ug/l	33690.90
Kr	84	72	1	No Gas		ug/l	91022.24
Sr	88	72	1	No Gas	275.968	ug/l	10901680.46
Sr	88	72	3	He	289.095	ug/l	1395884.98
Mo	95	115	1	No Gas	93.608	ug/l	700511.38
Mo	95	115	3	He	104.940	ug/l	271133.13
Mo	98	115	1	No Gas	95.850	ug/l	1156535.71
Ag	107	115	1	No Gas	9.176	ug/l	175894.95
Ag	109	115	1	No Gas	9.222	ug/l	170147.13
Cd	111	115	1	No Gas	49.780	ug/l	203219.70

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	53.265	ug/l	74043.19
Cd	114	115	1	No Gas	48.403	ug/l	452795.02
Cd	114	115	3	He	52.190	ug/l	179240.00
Sn	118	115	1	No Gas	99.906	ug/l	1157710.45
Sn	118	115	3	He	106.992	ug/l	350484.90
Sb	121	115	1	No Gas	104.638	ug/l	1928482.53
Sb	121	115	3	He	107.086	ug/l	559862.55
Sb	123	115	1	No Gas	105.184	ug/l	1495125.28
Sb	123	115	3	He	106.832	ug/l	441769.75
Ba	135	115	1	No Gas	121.555	ug/l	424848.94
Ba	137	115	1	No Gas	117.638	ug/l	730848.49
La	139	115	3	He	109.087	ug/l	2002224.71
Ce	140	115	3	He	110.328	ug/l	2156384.05
Hg	201	209	1	No Gas	0.021	ug/l	78.98
Hg	202	209	1	No Gas	0.025	ug/l	187.30
Hg	202	209	3	He	0.028	ug/l	98.31
Tl	203	209	3	He	98.318	ug/l	623893.54
Tl	205	209	1	No Gas	100.940	ug/l	2864017.28
Tl	205	209	3	He	99.174	ug/l	1515544.97
[Pb]	206	209	1	No Gas	98.599	ug/l	964693.10
[Pb]	207	209	1	No Gas	99.553	ug/l	831992.05
Pb	208	209	1	No Gas	100.935	ug/l	3897264.43
Th	232	209	3	He	101.372	ug/l	2093219.45
U	238	209	1	No Gas	100.442	ug/l	3721938.57

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3643799.47	94.5
Sc	45	2	H2	1812190.67	80.9
Sc	45	3	He	224142.53	84.8
Ge	72	1	No Gas	929553.38	97.6
Ge	72	2	H2	640681.71	90.8
Ge	72	3	He	138244.40	87.5
In	115	1	No Gas	5334897.17	95.8
In	115	3	He	1339835.46	89.6
Tb	159	1	No Gas	7017110.30	100.1
Tb	159	3	He	3220910.88	95.9
Ho	165	1	No Gas	6913576.14	100.7
Ho	165	3	He	3204416.00	98.0
Lu	175	1	No Gas	6856307.89	100.2
Lu	175	3	He	2796528.12	98.0
Bi	209	1	No Gas	4154960.48	96.5
Bi	209	3	He	2155291.30	97.0

ICPMS207-B Analytical Data

Sample Name	Rinse
File Name	046BLKV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 16:06:05
Sample Type	BlkVrfy
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1.115	ug/l	27120.98
Be	9	45	1	No Gas	-0.069	ug/l	171.63
B	11	45	1	No Gas	1.770	ug/l	6892.34
Na	23	45	3	He	24.147	ug/l	57485.90
Mg	24	45	3	He	1.400	ug/l	1759.95
Al	27	45	1	No Gas	-0.395	ug/l	9377.41
Si	28	45	2	H2	1.590	ug/l	17656.81
K	39	72	3	He	-28.096	ug/l	112790.86
Ca	40	72	2	H2	0.148	ug/l	159779.37
Ti	47	72	1	No Gas	-0.028	ug/l	338.68
V	51	72	1	No Gas	-1.765	ug/l	-37233.23
V	51	72	3	He	-2.584	ug/l	23556.71
Cr	52	72	1	No Gas	-1.346	ug/l	91685.60
Cr	52	72	3	He	0.002	ug/l	1601.21
Mn	55	72	1	No Gas	0.231	ug/l	20110.59
Mn	55	72	3	He	0.003	ug/l	169.97
Fe	56	72	2	H2	0.043	ug/l	10394.15
Fe	56	72	3	He	0.023	ug/l	6992.04
Co	59	72	1	No Gas	0.000	ug/l	459.10
Ni	60	72	1	No Gas	0.030	ug/l	1024.68
Ni	60	72	3	He	-0.010	ug/l	110.00
Cu	63	72	1	No Gas	-0.002	ug/l	1791.50
Cu	63	72	3	He	-0.002	ug/l	391.60
Cu	65	72	1	No Gas	-0.034	ug/l	804.35
Zn	66	72	1	No Gas	-0.098	ug/l	2196.99
Zn	66	72	3	He	-0.072	ug/l	435.56
As	75	72	1	No Gas	-1.504	ug/l	11733.82
As	75	72	3	He	-0.226	ug/l	526.53
Se	78	72	2	H2	-0.015	ug/l	38.55
Br	79	72	1	No Gas	0.355	ug/l	11535.11
Br	79	72	2	H2	0.326	ug/l	6738.24
Se	82	72	1	No Gas	-0.418	ug/l	857.03
Kr	84	72	1	No Gas		ug/l	22466.39
Sr	88	72	1	No Gas	0.001	ug/l	628.77
Sr	88	72	3	He	0.009	ug/l	198.89
Mo	95	115	1	No Gas	0.025	ug/l	308.90
Mo	95	115	3	He	0.022	ug/l	96.67
Mo	98	115	1	No Gas	0.021	ug/l	450.15
Ag	107	115	1	No Gas	-0.003	ug/l	1509.36
Ag	109	115	1	No Gas	-0.007	ug/l	1468.67
Cd	111	115	1	No Gas	0.007	ug/l	16.38

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.005	ug/l	12.11
Cd	114	115	1	No Gas	0.005	ug/l	-85.79
Cd	114	115	3	He	0.005	ug/l	29.08
Sn	118	115	1	No Gas	0.004	ug/l	1257.56
Sn	118	115	3	He	0.000	ug/l	334.45
Sb	121	115	1	No Gas	0.094	ug/l	2313.09
Sb	121	115	3	He	0.075	ug/l	535.07
Sb	123	115	1	No Gas	0.097	ug/l	1825.64
Sb	123	115	3	He	0.072	ug/l	416.38
Ba	135	115	1	No Gas	0.004	ug/l	46.57
Ba	137	115	1	No Gas	0.003	ug/l	66.53
La	139	115	3	He	0.000	ug/l	13.33
Ce	140	115	3	He	0.001	ug/l	24.44
Hg	201	209	1	No Gas	-0.004	ug/l	27.66
Hg	202	209	1	No Gas	0.002	ug/l	84.65
Hg	202	209	3	He	0.000	ug/l	33.99
Tl	203	209	3	He	0.212	ug/l	1639.43
Tl	205	209	1	No Gas	0.160	ug/l	5725.74
Tl	205	209	3	He	0.207	ug/l	3900.15
[Pb]	206	209	1	No Gas	0.005	ug/l	195.56
[Pb]	207	209	1	No Gas	0.004	ug/l	162.23
Pb	208	209	1	No Gas	0.005	ug/l	764.46
Th	232	209	3	He	0.046	ug/l	1359.29
U	238	209	1	No Gas	0.003	ug/l	142.97

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3896219.82	101.0
Sc	45	2	H2	2008781.80	89.7
Sc	45	3	He	239630.91	90.7
Ge	72	1	No Gas	968152.75	101.6
Ge	72	2	H2	694482.57	98.5
Ge	72	3	He	147258.70	93.2
In	115	1	No Gas	5996575.64	107.7
In	115	3	He	1472550.59	98.4
Tb	159	1	No Gas	7590662.89	108.2
Tb	159	3	He	3383053.01	100.7
Ho	165	1	No Gas	7200363.76	104.9
Ho	165	3	He	3395004.76	103.8
Lu	175	1	No Gas	7230659.88	105.7
Lu	175	3	He	2901460.45	101.7
Bi	209	1	No Gas	4584069.42	106.5
Bi	209	3	He	2380580.43	107.2

ICPMS207-B Analytical Data

Sample Name	B22020415-006A
File Name	047SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 16:12:19
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.879	ug/l	26453.53
Be	9	45	1	No Gas	-0.079	ug/l	127.98
B	11	45	1	No Gas	61.507	ug/l	222188.83
Na	23	45	3	He	41708.160	ug/l	38697935.54
Mg	24	45	3	He	10563.216	ug/l	5522640.80
Al	27	45	1	No Gas	3.782	ug/l	110329.73
Si	28	45	2	H2	27041.294	ug/l	65907385.44
K	39	72	3	He	1988.943	ug/l	1307449.20
Ca	40	72	2	H2	9648.328	ug/l	80137864.21
Ti	47	72	1	No Gas	2.323	ug/l	5865.43
V	51	72	1	No Gas	0.662	ug/l	35399.28
V	51	72	3	He	-5.249	ug/l	12665.51
Cr	52	72	1	No Gas	-3.067	ug/l	48232.97
Cr	52	72	3	He	-0.041	ug/l	1504.53
Mn	55	72	1	No Gas	509.686	ug/l	17829665.30
Mn	55	72	3	He	513.459	ug/l	1822056.69
Fe	56	72	2	H2	451.963	ug/l	7932220.64
Fe	56	72	3	He	440.329	ug/l	2146534.58
Co	59	72	1	No Gas	0.395	ug/l	11894.58
Ni	60	72	1	No Gas	0.872	ug/l	6638.39
Ni	60	72	3	He	0.880	ug/l	1845.69
Cu	63	72	1	No Gas	0.333	ug/l	7135.28
Cu	63	72	3	He	0.156	ug/l	1235.14
Cu	65	72	1	No Gas	0.178	ug/l	2417.84
Zn	66	72	1	No Gas	1.199	ug/l	9437.47
Zn	66	72	3	He	1.569	ug/l	2397.99
As	75	72	1	No Gas	-0.539	ug/l	18439.16
As	75	72	3	He	0.055	ug/l	902.61
Se	78	72	2	H2	-0.020	ug/l	36.55
Br	79	72	1	No Gas	11.634	ug/l	141590.47
Br	79	72	2	H2	10.731	ug/l	82102.28
Se	82	72	1	No Gas	-0.510	ug/l	847.42
Kr	84	72	1	No Gas		ug/l	41817.52
Sr	88	72	1	No Gas	73.219	ug/l	3093388.51
Sr	88	72	3	He	68.228	ug/l	380234.54
Mo	95	115	1	No Gas	0.319	ug/l	2916.98
Mo	95	115	3	He	0.358	ug/l	1110.05
Mo	98	115	1	No Gas	0.301	ug/l	4454.20
Ag	107	115	1	No Gas	-0.066	ug/l	165.40
Ag	109	115	1	No Gas	-0.070	ug/l	176.07
Cd	111	115	1	No Gas	0.008	ug/l	24.37

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.003	ug/l	9.11
Cd	114	115	1	No Gas	0.015	ug/l	17.55
Cd	114	115	3	He	0.002	ug/l	20.28
Sn	118	115	1	No Gas	-0.016	ug/l	1051.40
Sn	118	115	3	He	-0.035	ug/l	220.00
Sb	121	115	1	No Gas	1.087	ug/l	24006.81
Sb	121	115	3	He	1.166	ug/l	7202.57
Sb	123	115	1	No Gas	1.072	ug/l	18257.00
Sb	123	115	3	He	1.164	ug/l	5691.06
Ba	135	115	1	No Gas	4.197	ug/l	17306.56
Ba	137	115	1	No Gas	3.989	ug/l	29299.38
La	139	115	3	He	0.005	ug/l	103.33
Ce	140	115	3	He	0.019	ug/l	437.79
Hg	201	209	1	No Gas	0.010	ug/l	61.32
Hg	202	209	1	No Gas	0.218	ug/l	1252.48
Hg	202	209	3	He	0.183	ug/l	517.24
Tl	203	209	3	He	0.146	ug/l	1185.20
Tl	205	209	1	No Gas	0.103	ug/l	4058.47
Tl	205	209	3	He	0.131	ug/l	2646.00
[Pb]	206	209	1	No Gas	0.019	ug/l	357.79
[Pb]	207	209	1	No Gas	0.019	ug/l	311.12
Pb	208	209	1	No Gas	0.018	ug/l	1383.38
Th	232	209	3	He	0.011	ug/l	565.57
U	238	209	1	No Gas	0.011	ug/l	469.25

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	4334721.71	112.4
Sc	45	2	H2	2129441.64	95.0
Sc	45	3	He	261766.01	99.1
Ge	72	1	No Gas	993867.59	104.3
Ge	72	2	H2	718260.90	101.8
Ge	72	3	He	159521.33	101.0
In	115	1	No Gas	6299411.25	113.1
In	115	3	He	1558282.13	104.2
Tb	159	1	No Gas	7806247.38	111.3
Tb	159	3	He	3670195.12	109.3
Ho	165	1	No Gas	7693149.29	112.1
Ho	165	3	He	3604160.88	110.2
Lu	175	1	No Gas	7719468.63	112.8
Lu	175	3	He	3034256.37	106.4
Bi	209	1	No Gas	4726592.59	109.8
Bi	209	3	He	2401737.25	108.1

ICPMS207-B Analytical Data

Sample Name	B22020415-006B
File Name	048SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 16:18:33
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	2.010	ug/l	37202.82
Be	9	45	1	No Gas	-0.063	ug/l	191.30
B	11	45	1	No Gas	65.735	ug/l	200848.01
Na	23	45	3	He	42182.269	ug/l	31716387.58
Mg	24	45	3	He	10714.193	ug/l	4540092.33
Al	27	45	1	No Gas	44.844	ug/l	923854.46
Si	28	45	2	H2	27095.016	ug/l	56719338.43
K	39	72	3	He	1833.114	ug/l	1006707.02
Ca	40	72	2	H2	9195.976	ug/l	66790468.95
Ti	47	72	1	No Gas	5.244	ug/l	11337.47
V	51	72	1	No Gas	-1.394	ug/l	-26249.70
V	51	72	3	He	3.296	ug/l	44600.73
Cr	52	72	1	No Gas	1.698	ug/l	156270.59
Cr	52	72	3	He	0.304	ug/l	2766.95
Mn	55	72	1	No Gas	487.400	ug/l	15201389.70
Mn	55	72	3	He	523.020	ug/l	1536571.39
Fe	56	72	2	H2	511.621	ug/l	7847803.41
Fe	56	72	3	He	507.401	ug/l	2046596.42
Co	59	72	1	No Gas	0.401	ug/l	10749.36
Ni	60	72	1	No Gas	1.125	ug/l	7410.55
Ni	60	72	3	He	1.047	ug/l	1796.79
Cu	63	72	1	No Gas	1.205	ug/l	18615.97
Cu	63	72	3	He	0.927	ug/l	4300.44
Cu	65	72	1	No Gas	0.952	ug/l	7325.46
Zn	66	72	1	No Gas	1.574	ug/l	10242.30
Zn	66	72	3	He	1.936	ug/l	2341.32
As	75	72	1	No Gas	1.627	ug/l	28959.12
As	75	72	3	He	0.661	ug/l	1341.23
Se	78	72	2	H2	0.026	ug/l	59.00
Br	79	72	1	No Gas	6.786	ug/l	76479.85
Br	79	72	2	H2	6.319	ug/l	43919.25
Se	82	72	1	No Gas	-0.346	ug/l	808.62
Kr	84	72	1	No Gas		ug/l	38038.28
Sr	88	72	1	No Gas	69.971	ug/l	2635462.37
Sr	88	72	3	He	67.444	ug/l	311213.33
Mo	95	115	1	No Gas	0.280	ug/l	2240.19
Mo	95	115	3	He	0.328	ug/l	835.59
Mo	98	115	1	No Gas	0.261	ug/l	3373.07
Ag	107	115	1	No Gas	-0.039	ug/l	670.29
Ag	109	115	1	No Gas	-0.046	ug/l	602.26
Cd	111	115	1	No Gas	0.011	ug/l	32.41

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.008	ug/l	14.56
Cd	114	115	1	No Gas	0.018	ug/l	48.75
Cd	114	115	3	He	0.005	ug/l	25.69
Sn	118	115	1	No Gas	0.237	ug/l	3906.15
Sn	118	115	3	He	0.310	ug/l	1254.51
Sb	121	115	1	No Gas	0.680	ug/l	13196.83
Sb	121	115	3	He	0.726	ug/l	3698.53
Sb	123	115	1	No Gas	0.645	ug/l	9653.29
Sb	123	115	3	He	0.732	ug/l	2957.28
Ba	135	115	1	No Gas	4.509	ug/l	16177.42
Ba	137	115	1	No Gas	4.286	ug/l	27349.39
La	139	115	3	He	0.029	ug/l	506.68
Ce	140	115	3	He	0.097	ug/l	1806.80
Hg	201	209	1	No Gas	0.008	ug/l	53.32
Hg	202	209	1	No Gas	0.150	ug/l	827.53
Hg	202	209	3	He	0.129	ug/l	337.94
Tl	203	209	3	He	0.103	ug/l	797.68
Tl	205	209	1	No Gas	0.064	ug/l	2605.84
Tl	205	209	3	He	0.099	ug/l	1891.57
[Pb]	206	209	1	No Gas	0.067	ug/l	837.81
[Pb]	207	209	1	No Gas	0.064	ug/l	686.69
Pb	208	209	1	No Gas	0.063	ug/l	3123.49
Th	232	209	3	He	0.131	ug/l	2994.22
U	238	209	1	No Gas	0.011	ug/l	459.92

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3673934.49	95.2
Sc	45	2	H2	1828659.00	81.6
Sc	45	3	He	212147.62	80.3
Ge	72	1	No Gas	887217.54	93.1
Ge	72	2	H2	627920.37	89.0
Ge	72	3	He	132104.77	83.7
In	115	1	No Gas	5473606.97	98.3
In	115	3	He	1274399.67	85.2
Tb	159	1	No Gas	7109851.22	101.4
Tb	159	3	He	3223118.87	96.0
Ho	165	1	No Gas	6970757.60	101.6
Ho	165	3	He	3196833.28	97.7
Lu	175	1	No Gas	6895040.37	100.8
Lu	175	3	He	2719669.42	95.3
Bi	209	1	No Gas	4426991.68	102.8
Bi	209	3	He	2165795.48	97.5

ICPMS207-B Analytical Data

Sample Name	B22020415-011A
File Name	049SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 16:24:47
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.779	ug/l	24945.73
Be	9	45	1	No Gas	-0.079	ug/l	126.31
B	11	45	1	No Gas	41.740	ug/l	151423.80
Na	23	45	3	He	39449.152	ug/l	36548411.95
Mg	24	45	3	He	18012.570	ug/l	9402711.48
Al	27	45	1	No Gas	4.212	ug/l	120623.54
Si	28	45	2	H2	26492.479	ug/l	64293865.40
K	39	72	3	He	3196.366	ug/l	2007761.52
Ca	40	72	2	H2	16893.819	ug/l	136353361.89
Ti	47	72	1	No Gas	1.951	ug/l	4924.13
V	51	72	1	No Gas	8.515	ug/l	270153.40
V	51	72	3	He	1.599	ug/l	45477.80
Cr	52	72	1	No Gas	-1.833	ug/l	79943.95
Cr	52	72	3	He	0.791	ug/l	5904.55
Mn	55	72	1	No Gas	8.138	ug/l	292734.44
Mn	55	72	3	He	8.143	ug/l	28934.25
Fe	56	72	2	H2	1.706	ug/l	38781.37
Fe	56	72	3	He	1.206	ug/l	13257.86
Co	59	72	1	No Gas	0.055	ug/l	2012.82
Ni	60	72	1	No Gas	0.862	ug/l	6471.96
Ni	60	72	3	He	0.814	ug/l	1710.11
Cu	63	72	1	No Gas	0.644	ug/l	11864.91
Cu	63	72	3	He	0.486	ug/l	2915.71
Cu	65	72	1	No Gas	0.512	ug/l	4848.76
Zn	66	72	1	No Gas	1.473	ug/l	10828.42
Zn	66	72	3	He	1.310	ug/l	2083.50
As	75	72	1	No Gas	-1.207	ug/l	13814.60
As	75	72	3	He	-0.446	ug/l	307.73
Se	78	72	2	H2	0.210	ug/l	186.00
Br	79	72	1	No Gas	14.265	ug/l	169457.47
Br	79	72	2	H2	14.089	ug/l	103411.71
Se	82	72	1	No Gas	-0.063	ug/l	995.04
Kr	84	72	1	No Gas		ug/l	67971.60
Sr	88	72	1	No Gas	180.128	ug/l	7501335.23
Sr	88	72	3	He	167.814	ug/l	930782.40
Mo	95	115	1	No Gas	0.327	ug/l	2955.89
Mo	95	115	3	He	0.373	ug/l	1148.95
Mo	98	115	1	No Gas	0.314	ug/l	4589.45
Ag	107	115	1	No Gas	-0.063	ug/l	218.09
Ag	109	115	1	No Gas	-0.069	ug/l	198.08
Cd	111	115	1	No Gas	0.007	ug/l	17.94

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.006	ug/l	14.11
Cd	114	115	1	No Gas	0.016	ug/l	35.23
Cd	114	115	3	He	0.004	ug/l	27.10
Sn	118	115	1	No Gas	-0.065	ug/l	372.60
Sn	118	115	3	He	-0.062	ug/l	115.56
Sb	121	115	1	No Gas	0.091	ug/l	2348.44
Sb	121	115	3	He	0.099	ug/l	707.09
Sb	123	115	1	No Gas	0.093	ug/l	1836.97
Sb	123	115	3	He	0.100	ug/l	571.40
Ba	135	115	1	No Gas	4.498	ug/l	18395.75
Ba	137	115	1	No Gas	4.337	ug/l	31536.83
La	139	115	3	He	0.003	ug/l	62.22
Ce	140	115	3	He	0.006	ug/l	148.89
Hg	201	209	1	No Gas	-0.002	ug/l	35.66
Hg	202	209	1	No Gas	0.002	ug/l	89.32
Hg	202	209	3	He	0.007	ug/l	53.66
Tl	203	209	3	He	0.084	ug/l	750.99
Tl	205	209	1	No Gas	0.046	ug/l	2286.89
Tl	205	209	3	He	0.083	ug/l	1830.20
[Pb]	206	209	1	No Gas	0.013	ug/l	305.56
[Pb]	207	209	1	No Gas	0.012	ug/l	253.34
Pb	208	209	1	No Gas	0.012	ug/l	1162.25
Th	232	209	3	He	-0.005	ug/l	212.09
U	238	209	1	No Gas	0.010	ug/l	468.25

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	4330603.18	112.3
Sc	45	2	H2	2119899.20	94.6
Sc	45	3	He	261387.00	98.9
Ge	72	1	No Gas	980026.83	102.9
Ge	72	2	H2	698512.87	99.0
Ge	72	3	He	158803.00	100.6
In	115	1	No Gas	6237059.60	112.0
In	115	3	He	1548730.24	103.5
Tb	159	1	No Gas	7935720.96	113.2
Tb	159	3	He	3631746.93	108.1
Ho	165	1	No Gas	7727463.44	112.6
Ho	165	3	He	3519075.98	107.6
Lu	175	1	No Gas	7935925.33	116.0
Lu	175	3	He	3099436.36	108.6
Bi	209	1	No Gas	4881136.86	113.4
Bi	209	3	He	2405040.48	108.3

ICPMS207-B Analytical Data

Sample Name	B22020415-011B
File Name	050SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 16:31:03
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1.558	ug/l	31199.73
Be	9	45	1	No Gas	-0.066	ug/l	178.97
B	11	45	1	No Gas	43.794	ug/l	133929.20
Na	23	45	3	He	40169.427	ug/l	29980174.00
Mg	24	45	3	He	18771.414	ug/l	7894159.96
Al	27	45	1	No Gas	98.302	ug/l	2000765.98
Si	28	45	2	H2	26794.076	ug/l	55156870.15
K	39	72	3	He	3083.354	ug/l	1592875.06
Ca	40	72	2	H2	16398.006	ug/l	116713392.62
Ti	47	72	1	No Gas	6.666	ug/l	14485.03
V	51	72	1	No Gas	6.870	ug/l	201926.06
V	51	72	3	He	11.353	ug/l	75703.77
Cr	52	72	1	No Gas	2.724	ug/l	182750.63
Cr	52	72	3	He	1.285	ug/l	6989.48
Mn	55	72	1	No Gas	17.134	ug/l	551529.77
Mn	55	72	3	He	17.567	ug/l	51041.92
Fe	56	72	2	H2	74.103	ug/l	1122545.89
Fe	56	72	3	He	72.887	ug/l	295243.62
Co	59	72	1	No Gas	0.175	ug/l	4997.62
Ni	60	72	1	No Gas	1.196	ug/l	7929.79
Ni	60	72	3	He	1.128	ug/l	1901.25
Cu	63	72	1	No Gas	0.991	ug/l	15802.88
Cu	63	72	3	He	0.802	ug/l	3715.73
Cu	65	72	1	No Gas	0.809	ug/l	6444.69
Zn	66	72	1	No Gas	2.097	ug/l	12987.11
Zn	66	72	3	He	3.137	ug/l	3462.66
As	75	72	1	No Gas	2.093	ug/l	32333.31
As	75	72	3	He	0.259	ug/l	934.08
Se	78	72	2	H2	0.235	ug/l	178.89
Br	79	72	1	No Gas	7.197	ug/l	81663.56
Br	79	72	2	H2	7.361	ug/l	49532.95
Se	82	72	1	No Gas	-0.159	ug/l	879.16
Kr	84	72	1	No Gas		ug/l	61983.55
Sr	88	72	1	No Gas	173.366	ug/l	6605460.65
Sr	88	72	3	He	172.772	ug/l	786089.31
Mo	95	115	1	No Gas	0.767	ug/l	6005.74
Mo	95	115	3	He	0.888	ug/l	2224.63
Mo	98	115	1	No Gas	0.767	ug/l	9687.87
Ag	107	115	1	No Gas	-0.055	ug/l	363.49
Ag	109	115	1	No Gas	-0.061	ug/l	328.14
Cd	111	115	1	No Gas	0.017	ug/l	57.72

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.009	ug/l	15.33
Cd	114	115	1	No Gas	0.023	ug/l	90.43
Cd	114	115	3	He	0.006	ug/l	29.41
Sn	118	115	1	No Gas	0.239	ug/l	3959.39
Sn	118	115	3	He	0.307	ug/l	1252.29
Sb	121	115	1	No Gas	0.134	ug/l	2886.26
Sb	121	115	3	He	0.157	ug/l	874.45
Sb	123	115	1	No Gas	0.137	ug/l	2260.08
Sb	123	115	3	He	0.153	ug/l	681.42
Ba	135	115	1	No Gas	4.843	ug/l	17476.40
Ba	137	115	1	No Gas	4.641	ug/l	29759.53
La	139	115	3	He	0.029	ug/l	518.90
Ce	140	115	3	He	0.066	ug/l	1245.62
Hg	201	209	1	No Gas	0.006	ug/l	46.66
Hg	202	209	1	No Gas	0.016	ug/l	145.64
Hg	202	209	3	He	0.018	ug/l	73.99
Tl	203	209	3	He	0.060	ug/l	524.89
Tl	205	209	1	No Gas	0.040	ug/l	1775.69
Tl	205	209	3	He	0.059	ug/l	1288.58
[Pb]	206	209	1	No Gas	0.029	ug/l	417.79
[Pb]	207	209	1	No Gas	0.028	ug/l	345.56
Pb	208	209	1	No Gas	0.029	ug/l	1638.94
Th	232	209	3	He	0.070	ug/l	1749.49
U	238	209	1	No Gas	0.012	ug/l	455.25

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3655336.95	94.8
Sc	45	2	H2	1798431.60	80.3
Sc	45	3	He	210556.33	79.7
Ge	72	1	No Gas	896355.25	94.1
Ge	72	2	H2	616023.29	87.3
Ge	72	3	He	130267.78	82.5
In	115	1	No Gas	5502383.46	98.8
In	115	3	He	1281202.47	85.6
Tb	159	1	No Gas	7018202.38	100.1
Tb	159	3	He	3219910.63	95.9
Ho	165	1	No Gas	6833778.80	99.6
Ho	165	3	He	3191537.99	97.6
Lu	175	1	No Gas	6909447.12	101.0
Lu	175	3	He	2715127.64	95.2
Bi	209	1	No Gas	4185581.61	97.2
Bi	209	3	He	2188336.19	98.5

ICPMS207-B Analytical Data

Sample Name	B22020415-017A
File Name	051SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 16:37:18
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	2.160	ug/l	45809.06
Be	9	45	1	No Gas	-0.081	ug/l	116.31
B	11	45	1	No Gas	76.210	ug/l	272403.32
Na	23	45	3	He	99102.989	ug/l	91276266.42
Mg	24	45	3	He	40269.965	ug/l	20911268.63
Al	27	45	1	No Gas	3.087	ug/l	92728.52
Si	28	45	2	H2	24317.776	ug/l	56691496.63
K	39	72	3	He	2761.625	ug/l	1751195.76
Ca	40	72	2	H2	39138.062	ug/l	309061830.94
Ti	47	72	1	No Gas	1.735	ug/l	4413.45
V	51	72	1	No Gas	16.563	ug/l	509677.45
V	51	72	3	He	9.813	ug/l	84791.80
Cr	52	72	1	No Gas	-2.090	ug/l	73085.81
Cr	52	72	3	He	0.690	ug/l	5359.89
Mn	55	72	1	No Gas	2.000	ug/l	81155.88
Mn	55	72	3	He	2.003	ug/l	7236.34
Fe	56	72	2	H2	14.453	ug/l	250722.99
Fe	56	72	3	He	13.719	ug/l	73687.45
Co	59	72	1	No Gas	0.113	ug/l	3663.22
Ni	60	72	1	No Gas	0.705	ug/l	5440.24
Ni	60	72	3	He	0.484	ug/l	1073.38
Cu	63	72	1	No Gas	0.950	ug/l	16608.76
Cu	63	72	3	He	0.561	ug/l	3298.05
Cu	65	72	1	No Gas	0.665	ug/l	5969.62
Zn	66	72	1	No Gas	1.856	ug/l	12852.81
Zn	66	72	3	He	1.892	ug/l	2761.39
As	75	72	1	No Gas	-0.353	ug/l	19348.54
As	75	72	3	He	0.441	ug/l	1351.10
Se	78	72	2	H2	0.393	ug/l	299.78
Br	79	72	1	No Gas	60.372	ug/l	690895.20
Br	79	72	2	H2	58.988	ug/l	409881.71
Se	82	72	1	No Gas	0.863	ug/l	1324.55
Kr	84	72	1	No Gas		ug/l	98985.16
Sr	88	72	1	No Gas	304.699	ug/l	12665637.28
Sr	88	72	3	He	306.051	ug/l	1695468.58
Mo	95	115	1	No Gas	1.802	ug/l	15695.35
Mo	95	115	3	He	2.017	ug/l	6115.79
Mo	98	115	1	No Gas	1.781	ug/l	25007.20
Ag	107	115	1	No Gas	-0.046	ug/l	594.92
Ag	109	115	1	No Gas	-0.051	ug/l	572.24
Cd	111	115	1	No Gas	0.016	ug/l	59.88

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.006	ug/l	13.78
Cd	114	115	1	No Gas	0.022	ug/l	93.29
Cd	114	115	3	He	0.006	ug/l	34.63
Sn	118	115	1	No Gas	-0.047	ug/l	612.13
Sn	118	115	3	He	-0.051	ug/l	157.78
Sb	121	115	1	No Gas	0.032	ug/l	1067.48
Sb	121	115	3	He	0.032	ug/l	302.70
Sb	123	115	1	No Gas	0.032	ug/l	808.77
Sb	123	115	3	He	0.031	ug/l	244.03
Ba	135	115	1	No Gas	11.600	ug/l	46899.36
Ba	137	115	1	No Gas	11.122	ug/l	79946.84
La	139	115	3	He	0.003	ug/l	63.33
Ce	140	115	3	He	0.005	ug/l	114.45
Hg	201	209	1	No Gas	0.041	ug/l	137.64
Hg	202	209	1	No Gas	0.879	ug/l	4842.26
Hg	202	209	3	He	0.772	ug/l	2084.09
Tl	203	209	3	He	0.059	ug/l	570.24
Tl	205	209	1	No Gas	0.023	ug/l	1475.65
Tl	205	209	3	He	0.050	ug/l	1268.58
[Pb]	206	209	1	No Gas	0.015	ug/l	320.01
[Pb]	207	209	1	No Gas	0.015	ug/l	273.34
Pb	208	209	1	No Gas	0.015	ug/l	1254.48
Th	232	209	3	He	-0.006	ug/l	183.41
U	238	209	1	No Gas	0.074	ug/l	3172.42

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	4284971.78	111.1
Sc	45	2	H2	2036544.03	90.9
Sc	45	3	He	260011.05	98.4
Ge	72	1	No Gas	977983.47	102.6
Ge	72	2	H2	683985.65	97.0
Ge	72	3	He	158601.68	100.4
In	115	1	No Gas	6171017.58	110.8
In	115	3	He	1563115.15	104.5
Tb	159	1	No Gas	7987281.84	113.9
Tb	159	3	He	3718593.64	110.7
Ho	165	1	No Gas	7817762.33	113.9
Ho	165	3	He	3605771.27	110.3
Lu	175	1	No Gas	7937003.44	116.0
Lu	175	3	He	3151899.11	110.5
Bi	209	1	No Gas	4753514.34	110.4
Bi	209	3	He	2408408.10	108.4

ICPMS207-B Analytical Data

Sample Name	B22020415-017B
File Name	052SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 16:43:32
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1.284	ug/l	27984.20
Be	9	45	1	No Gas	-0.066	ug/l	179.63
B	11	45	1	No Gas	79.354	ug/l	244887.92
Na	23	45	3	He	103308.130	ug/l	81149496.57
Mg	24	45	3	He	41312.389	ug/l	18296921.83
Al	27	45	1	No Gas	19.023	ug/l	405762.09
Si	28	45	2	H2	24663.668	ug/l	50021369.73
K	39	72	3	He	2740.218	ug/l	1520933.50
Ca	40	72	2	H2	39090.713	ug/l	275100083.73
Ti	47	72	1	No Gas	3.052	ug/l	6791.76
V	51	72	1	No Gas	9.430	ug/l	273981.63
V	51	72	3	He	19.049	ug/l	112893.78
Cr	52	72	1	No Gas	2.977	ug/l	187680.12
Cr	52	72	3	He	1.090	ug/l	6541.49
Mn	55	72	1	No Gas	3.719	ug/l	127752.28
Mn	55	72	3	He	2.803	ug/l	8800.21
Fe	56	72	2	H2	78.764	ug/l	1180165.71
Fe	56	72	3	He	75.127	ug/l	323975.90
Co	59	72	1	No Gas	0.139	ug/l	4032.58
Ni	60	72	1	No Gas	1.144	ug/l	7580.33
Ni	60	72	3	He	0.643	ug/l	1206.72
Cu	63	72	1	No Gas	1.155	ug/l	18028.35
Cu	63	72	3	He	0.601	ug/l	3063.04
Cu	65	72	1	No Gas	0.808	ug/l	6397.32
Zn	66	72	1	No Gas	4.284	ug/l	23734.13
Zn	66	72	3	He	4.792	ug/l	5376.58
As	75	72	1	No Gas	2.532	ug/l	34806.25
As	75	72	3	He	1.322	ug/l	2089.44
Se	78	72	2	H2	0.441	ug/l	294.78
Br	79	72	1	No Gas	18.338	ug/l	195964.44
Br	79	72	2	H2	17.952	ug/l	113909.65
Se	82	72	1	No Gas	0.229	ug/l	996.78
Kr	84	72	1	No Gas		ug/l	92318.73
Sr	88	72	1	No Gas	297.786	ug/l	11270671.24
Sr	88	72	3	He	307.557	ug/l	1490288.54
Mo	95	115	1	No Gas	1.897	ug/l	14800.01
Mo	95	115	3	He	2.331	ug/l	5970.17
Mo	98	115	1	No Gas	1.890	ug/l	23794.64
Ag	107	115	1	No Gas	-0.039	ug/l	679.62
Ag	109	115	1	No Gas	-0.045	ug/l	638.27
Cd	111	115	1	No Gas	0.017	ug/l	59.51

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.011	ug/l	18.78
Cd	114	115	1	No Gas	0.024	ug/l	100.65
Cd	114	115	3	He	0.010	ug/l	44.65
Sn	118	115	1	No Gas	0.308	ug/l	4807.98
Sn	118	115	3	He	0.370	ug/l	1494.53
Sb	121	115	1	No Gas	0.061	ug/l	1511.90
Sb	121	115	3	He	0.070	ug/l	456.38
Sb	123	115	1	No Gas	0.068	ug/l	1266.18
Sb	123	115	3	He	0.069	ug/l	360.71
Ba	135	115	1	No Gas	11.459	ug/l	41506.33
Ba	137	115	1	No Gas	11.289	ug/l	72800.36
La	139	115	3	He	0.018	ug/l	322.23
Ce	140	115	3	He	0.038	ug/l	743.36
Hg	201	209	1	No Gas	0.061	ug/l	162.30
Hg	202	209	1	No Gas	1.182	ug/l	5635.41
Hg	202	209	3	He	0.954	ug/l	2291.74
Tl	203	209	3	He	0.055	ug/l	483.54
Tl	205	209	1	No Gas	0.033	ug/l	1562.33
Tl	205	209	3	He	0.047	ug/l	1089.15
[Pb]	206	209	1	No Gas	0.072	ug/l	828.92
[Pb]	207	209	1	No Gas	0.066	ug/l	663.35
Pb	208	209	1	No Gas	0.069	ug/l	3173.50
Th	232	209	3	He	0.048	ug/l	1263.90
U	238	209	1	No Gas	0.078	ug/l	2886.41

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3706389.27	96.1
Sc	45	2	H2	1771737.30	79.1
Sc	45	3	He	221772.32	83.9
Ge	72	1	No Gas	891380.65	93.6
Ge	72	2	H2	609571.59	86.4
Ge	72	3	He	138744.00	87.9
In	115	1	No Gas	5531705.69	99.3
In	115	3	He	1322462.96	88.4
Tb	159	1	No Gas	7014780.42	100.0
Tb	159	3	He	3276324.94	97.5
Ho	165	1	No Gas	6768052.40	98.6
Ho	165	3	He	3223183.20	98.6
Lu	175	1	No Gas	6904899.55	100.9
Lu	175	3	He	2799261.59	98.1
Bi	209	1	No Gas	4136228.78	96.1
Bi	209	3	He	2150001.00	96.8

ICPMS207-B Analytical Data

Sample Name	B22020415-022A
File Name	053SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 16:49:47
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.505	ug/l	20839.27
Be	9	45	1	No Gas	-0.084	ug/l	95.98
B	11	45	1	No Gas	42.085	ug/l	153469.80
Na	23	45	3	He	31947.053	ug/l	30175543.72
Mg	24	45	3	He	10110.424	ug/l	5380545.98
Al	27	45	1	No Gas	5.417	ug/l	150341.79
Si	28	45	2	H2	21710.972	ug/l	51204961.81
K	39	72	3	He	2037.527	ug/l	1339855.62
Ca	40	72	2	H2	10424.508	ug/l	84148208.58
Ti	47	72	1	No Gas	1.637	ug/l	4151.47
V	51	72	1	No Gas	15.176	ug/l	465112.43
V	51	72	3	He	10.012	ug/l	86486.97
Cr	52	72	1	No Gas	-0.930	ug/l	102893.24
Cr	52	72	3	He	1.991	ug/l	12350.78
Mn	55	72	1	No Gas	0.402	ug/l	26011.38
Mn	55	72	3	He	0.348	ug/l	1410.12
Fe	56	72	2	H2	0.985	ug/l	26505.61
Fe	56	72	3	He	0.757	ug/l	11173.91
Co	59	72	1	No Gas	0.025	ug/l	1171.06
Ni	60	72	1	No Gas	0.704	ug/l	5403.62
Ni	60	72	3	He	0.648	ug/l	1400.08
Cu	63	72	1	No Gas	0.790	ug/l	14043.04
Cu	63	72	3	He	0.624	ug/l	3646.40
Cu	65	72	1	No Gas	0.661	ug/l	5896.23
Zn	66	72	1	No Gas	2.238	ug/l	14887.82
Zn	66	72	3	He	2.288	ug/l	3250.39
As	75	72	1	No Gas	-1.152	ug/l	13978.51
As	75	72	3	He	-0.421	ug/l	340.33
Se	78	72	2	H2	0.076	ug/l	98.11
Br	79	72	1	No Gas	11.333	ug/l	135079.22
Br	79	72	2	H2	10.361	ug/l	77201.83
Se	82	72	1	No Gas	-0.118	ug/l	955.84
Kr	84	72	1	No Gas		ug/l	42024.53
Sr	88	72	1	No Gas	74.023	ug/l	3058760.09
Sr	88	72	3	He	68.741	ug/l	384146.28
Mo	95	115	1	No Gas	0.098	ug/l	985.60
Mo	95	115	3	He	0.098	ug/l	338.90
Mo	98	115	1	No Gas	0.090	ug/l	1488.63
Ag	107	115	1	No Gas	-0.064	ug/l	202.75
Ag	109	115	1	No Gas	-0.071	ug/l	172.07
Cd	111	115	1	No Gas	0.010	ug/l	32.55

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.004	ug/l	10.33
Cd	114	115	1	No Gas	0.018	ug/l	48.41
Cd	114	115	3	He	0.002	ug/l	19.69
Sn	118	115	1	No Gas	-0.027	ug/l	904.91
Sn	118	115	3	He	-0.021	ug/l	278.89
Sb	121	115	1	No Gas	0.067	ug/l	1893.32
Sb	121	115	3	He	0.072	ug/l	561.07
Sb	123	115	1	No Gas	0.069	ug/l	1484.57
Sb	123	115	3	He	0.069	ug/l	436.72
Ba	135	115	1	No Gas	3.622	ug/l	15278.13
Ba	137	115	1	No Gas	3.578	ug/l	26802.62
La	139	115	3	He	0.002	ug/l	47.78
Ce	140	115	3	He	0.004	ug/l	96.67
Hg	201	209	1	No Gas	-0.006	ug/l	25.33
Hg	202	209	1	No Gas	0.006	ug/l	113.65
Hg	202	209	3	He	0.009	ug/l	60.99
Tl	203	209	3	He	0.038	ug/l	435.52
Tl	205	209	1	No Gas	0.017	ug/l	1323.41
Tl	205	209	3	He	0.035	ug/l	1041.79
[Pb]	206	209	1	No Gas	0.016	ug/l	341.12
[Pb]	207	209	1	No Gas	0.013	ug/l	256.67
Pb	208	209	1	No Gas	0.014	ug/l	1243.37
Th	232	209	3	He	-0.008	ug/l	130.05
U	238	209	1	No Gas	0.017	ug/l	771.20

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	4361082.01	113.1
Sc	45	2	H2	2060081.40	92.0
Sc	45	3	He	266443.38	100.8
Ge	72	1	No Gas	975270.19	102.4
Ge	72	2	H2	698148.28	99.0
Ge	72	3	He	159970.32	101.3
In	115	1	No Gas	6433480.83	115.5
In	115	3	He	1598828.66	106.9
Tb	159	1	No Gas	7852727.87	112.0
Tb	159	3	He	3667122.12	109.2
Ho	165	1	No Gas	7613986.58	110.9
Ho	165	3	He	3631038.67	111.0
Lu	175	1	No Gas	7907801.59	115.6
Lu	175	3	He	3157718.26	110.7
Bi	209	1	No Gas	4860289.72	112.9
Bi	209	3	He	2476057.50	111.5

ICPMS207-B Analytical Data

Sample Name	B22020415-022B
File Name	054SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 16:56:00
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1.056	ug/l	24645.78
Be	9	45	1	No Gas	-0.075	ug/l	129.31
B	11	45	1	No Gas	44.572	ug/l	136260.46
Na	23	45	3	He	33153.272	ug/l	25345946.01
Mg	24	45	3	He	10262.109	ug/l	4418851.37
Al	27	45	1	No Gas	9.832	ug/l	215029.25
Si	28	45	2	H2	22016.556	ug/l	45369940.27
K	39	72	3	He	1906.189	ug/l	1067954.31
Ca	40	72	2	H2	10274.636	ug/l	73245633.89
Ti	47	72	1	No Gas	2.189	ug/l	5049.35
V	51	72	1	No Gas	10.662	ug/l	308716.27
V	51	72	3	He	20.596	ug/l	116467.52
Cr	52	72	1	No Gas	6.527	ug/l	276439.88
Cr	52	72	3	He	4.759	ug/l	22944.58
Mn	55	72	1	No Gas	1.548	ug/l	60640.71
Mn	55	72	3	He	0.455	ug/l	1515.11
Fe	56	72	2	H2	20.843	ug/l	322097.27
Fe	56	72	3	He	20.226	ug/l	89694.67
Co	59	72	1	No Gas	0.051	ug/l	1776.60
Ni	60	72	1	No Gas	1.509	ug/l	9880.44
Ni	60	72	3	He	1.422	ug/l	2458.00
Cu	63	72	1	No Gas	0.517	ug/l	9123.86
Cu	63	72	3	He	0.273	ug/l	1558.11
Cu	65	72	1	No Gas	0.357	ug/l	3415.78
Zn	66	72	1	No Gas	6.602	ug/l	35751.41
Zn	66	72	3	He	7.889	ug/l	8328.00
As	75	72	1	No Gas	1.608	ug/l	29729.08
As	75	72	3	He	0.350	ug/l	1062.42
Se	78	72	2	H2	0.142	ug/l	125.22
Br	79	72	1	No Gas	5.475	ug/l	64335.15
Br	79	72	2	H2	5.345	ug/l	37080.56
Se	82	72	1	No Gas	-0.369	ug/l	816.88
Kr	84	72	1	No Gas		ug/l	39015.48
Sr	88	72	1	No Gas	69.945	ug/l	2687142.45
Sr	88	72	3	He	68.035	ug/l	321692.63
Mo	95	115	1	No Gas	0.174	ug/l	1420.08
Mo	95	115	3	He	0.198	ug/l	524.46
Mo	98	115	1	No Gas	0.168	ug/l	2211.10
Ag	107	115	1	No Gas	-0.062	ug/l	223.42
Ag	109	115	1	No Gas	-0.069	ug/l	174.07
Cd	111	115	1	No Gas	0.010	ug/l	27.56

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.003	ug/l	8.33
Cd	114	115	1	No Gas	0.018	ug/l	45.72
Cd	114	115	3	He	0.003	ug/l	18.34
Sn	118	115	1	No Gas	0.347	ug/l	5190.66
Sn	118	115	3	He	0.415	ug/l	1604.55
Sb	121	115	1	No Gas	0.143	ug/l	3036.30
Sb	121	115	3	He	0.158	ug/l	889.79
Sb	123	115	1	No Gas	0.145	ug/l	2359.11
Sb	123	115	3	He	0.158	ug/l	709.76
Ba	135	115	1	No Gas	3.829	ug/l	13669.69
Ba	137	115	1	No Gas	3.686	ug/l	23390.03
La	139	115	3	He	0.004	ug/l	75.55
Ce	140	115	3	He	0.008	ug/l	163.34
Hg	201	209	1	No Gas	0.001	ug/l	37.33
Hg	202	209	1	No Gas	0.020	ug/l	161.97
Hg	202	209	3	He	0.021	ug/l	81.65
Tl	203	209	3	He	0.033	ug/l	355.48
Tl	205	209	1	No Gas	0.022	ug/l	1270.07
Tl	205	209	3	He	0.032	ug/l	868.38
[Pb]	206	209	1	No Gas	0.033	ug/l	461.13
[Pb]	207	209	1	No Gas	0.034	ug/l	398.90
Pb	208	209	1	No Gas	0.032	ug/l	1772.28
Th	232	209	3	He	0.033	ug/l	984.43
U	238	209	1	No Gas	0.018	ug/l	670.22

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3652523.30	94.7
Sc	45	2	H2	1799865.64	80.3
Sc	45	3	He	215713.64	81.6
Ge	72	1	No Gas	903880.10	94.9
Ge	72	2	H2	616385.91	87.4
Ge	72	3	He	135332.97	85.7
In	115	1	No Gas	5441155.92	97.7
In	115	3	He	1294734.02	86.5
Tb	159	1	No Gas	6982917.73	99.6
Tb	159	3	He	3191815.30	95.0
Ho	165	1	No Gas	6733995.11	98.1
Ho	165	3	He	3210454.77	98.2
Lu	175	1	No Gas	6879730.16	100.6
Lu	175	3	He	2752925.72	96.5
Bi	209	1	No Gas	4201686.24	97.6
Bi	209	3	He	2203480.75	99.2

ICPMS207-B Analytical Data

Sample Name	B22020415-027A
File Name	055SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 17:02:13
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.203	ug/l	16008.82
Be	9	45	1	No Gas	-0.082	ug/l	109.31
B	11	45	1	No Gas	55.133	ug/l	199162.53
Na	23	45	3	He	51084.641	ug/l	47762209.29
Mg	24	45	3	He	20254.230	ug/l	10673876.06
Al	27	45	1	No Gas	0.782	ug/l	38521.69
Si	28	45	2	H2	20927.719	ug/l	49158778.05
K	39	72	3	He	2589.499	ug/l	1685458.34
Ca	40	72	2	H2	19656.003	ug/l	160472266.61
Ti	47	72	1	No Gas	1.327	ug/l	3503.96
V	51	72	1	No Gas	14.472	ug/l	451346.80
V	51	72	3	He	9.389	ug/l	84498.70
Cr	52	72	1	No Gas	-1.304	ug/l	94544.98
Cr	52	72	3	He	1.914	ug/l	12092.80
Mn	55	72	1	No Gas	1.693	ug/l	71207.59
Mn	55	72	3	He	1.635	ug/l	6064.04
Fe	56	72	2	H2	1.355	ug/l	33224.22
Fe	56	72	3	He	1.053	ug/l	12768.40
Co	59	72	1	No Gas	0.026	ug/l	1217.64
Ni	60	72	1	No Gas	0.303	ug/l	2844.65
Ni	60	72	3	He	0.180	ug/l	495.57
Cu	63	72	1	No Gas	2.210	ug/l	36510.71
Cu	63	72	3	He	2.038	ug/l	11057.64
Cu	65	72	1	No Gas	2.021	ug/l	16108.70
Zn	66	72	1	No Gas	2.656	ug/l	17357.30
Zn	66	72	3	He	2.730	ug/l	3816.08
As	75	72	1	No Gas	-1.117	ug/l	14518.79
As	75	72	3	He	-0.497	ug/l	252.47
Se	78	72	2	H2	0.263	ug/l	223.56
Br	79	72	1	No Gas	27.855	ug/l	325721.36
Br	79	72	2	H2	25.910	ug/l	188631.39
Se	82	72	1	No Gas	0.450	ug/l	1186.67
Kr	84	72	1	No Gas		ug/l	61766.12
Sr	88	72	1	No Gas	159.102	ug/l	6671977.21
Sr	88	72	3	He	144.687	ug/l	818421.83
Mo	95	115	1	No Gas	0.265	ug/l	2410.22
Mo	95	115	3	He	0.280	ug/l	891.15
Mo	98	115	1	No Gas	0.270	ug/l	3959.47
Ag	107	115	1	No Gas	-0.065	ug/l	184.08
Ag	109	115	1	No Gas	-0.070	ug/l	178.07
Cd	111	115	1	No Gas	0.010	ug/l	31.12

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.005	ug/l	13.44
Cd	114	115	1	No Gas	0.019	ug/l	64.70
Cd	114	115	3	He	0.004	ug/l	28.32
Sn	118	115	1	No Gas	-0.065	ug/l	372.60
Sn	118	115	3	He	-0.066	ug/l	103.34
Sb	121	115	1	No Gas	0.045	ug/l	1357.54
Sb	121	115	3	He	0.050	ug/l	418.71
Sb	123	115	1	No Gas	0.047	ug/l	1068.82
Sb	123	115	3	He	0.047	ug/l	322.70
Ba	135	115	1	No Gas	7.388	ug/l	30139.56
Ba	137	115	1	No Gas	7.067	ug/l	51249.50
La	139	115	3	He	0.001	ug/l	22.22
Ce	140	115	3	He	0.000	ug/l	15.56
Hg	201	209	1	No Gas	-0.004	ug/l	30.33
Hg	202	209	1	No Gas	-0.003	ug/l	62.66
Hg	202	209	3	He	0.002	ug/l	40.99
Tl	203	209	3	He	0.022	ug/l	314.13
Tl	205	209	1	No Gas	0.005	ug/l	932.26
Tl	205	209	3	He	0.022	ug/l	797.01
[Pb]	206	209	1	No Gas	0.083	ug/l	1117.83
[Pb]	207	209	1	No Gas	0.081	ug/l	925.60
Pb	208	209	1	No Gas	0.079	ug/l	4206.96
Th	232	209	3	He	-0.009	ug/l	120.05
U	238	209	1	No Gas	0.024	ug/l	1080.50

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	4327555.89	112.2
Sc	45	2	H2	2052057.59	91.6
Sc	45	3	He	263886.44	99.9
Ge	72	1	No Gas	986691.66	103.6
Ge	72	2	H2	706913.85	100.2
Ge	72	3	He	161982.17	102.6
In	115	1	No Gas	6220920.99	111.7
In	115	3	He	1580388.35	105.6
Tb	159	1	No Gas	8040898.90	114.7
Tb	159	3	He	3554615.90	105.8
Ho	165	1	No Gas	7749730.76	112.9
Ho	165	3	He	3596806.73	110.0
Lu	175	1	No Gas	7867214.28	115.0
Lu	175	3	He	3145992.94	110.3
Bi	209	1	No Gas	4892677.92	113.7
Bi	209	3	He	2439860.81	109.8

ICPMS207-B Analytical Data

Sample Name	CCV
File Name	056_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 17:08:29
Sample Type	CCV
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	583.742	ug/l	8152279.14
Be	9	45	1	No Gas	43.571	ug/l	246354.35
B	11	45	1	No Gas	51.078	ug/l	166848.15
Na	23	45	3	He	13463.703	ug/l	11681509.13
Mg	24	45	3	He	13306.366	ug/l	6491687.52
Al	27	45	1	No Gas	46.890	ug/l	1029709.13
Si	28	45	2	H2	215.361	ug/l	486881.10
K	39	72	3	He	12273.160	ug/l	6986619.13
Ca	40	72	2	H2	12442.999	ug/l	96474681.28
Ti	47	72	1	No Gas	48.119	ug/l	109684.55
V	51	72	1	No Gas	45.603	ug/l	1354203.54
V	51	72	3	He	47.781	ug/l	255002.88
Cr	52	72	1	No Gas	47.469	ug/l	1350194.44
Cr	52	72	3	He	48.956	ug/l	249247.78
Mn	55	72	1	No Gas	49.270	ug/l	1677187.04
Mn	55	72	3	He	49.966	ug/l	168675.24
Fe	56	72	2	H2	1362.315	ug/l	22306690.28
Fe	56	72	3	He	1326.666	ug/l	6133210.44
Co	59	72	1	No Gas	47.618	ug/l	1333538.41
Ni	60	72	1	No Gas	47.300	ug/l	304489.09
Ni	60	72	3	He	52.282	ug/l	96548.12
Cu	63	72	1	No Gas	47.663	ug/l	730236.76
Cu	63	72	3	He	51.656	ug/l	252355.83
Cu	65	72	1	No Gas	47.519	ug/l	345480.99
Zn	66	72	1	No Gas	46.244	ug/l	250283.55
Zn	66	72	3	He	51.035	ug/l	57453.13
As	75	72	1	No Gas	51.945	ug/l	353825.60
As	75	72	3	He	49.618	ug/l	56634.62
Se	78	72	2	H2	51.408	ug/l	32424.59
Br	79	72	1	No Gas	0.985	ug/l	18438.53
Br	79	72	2	H2	0.886	ug/l	10289.91
Se	82	72	1	No Gas	48.741	ug/l	18152.80
Kr	84	72	1	No Gas		ug/l	35809.97
Sr	88	72	1	No Gas	50.140	ug/l	2049125.16
Sr	88	72	3	He	49.388	ug/l	261652.46
Mo	95	115	1	No Gas	46.338	ug/l	374363.79
Mo	95	115	3	He	50.840	ug/l	143097.24
Mo	98	115	1	No Gas	46.192	ug/l	601734.56
Ag	107	115	1	No Gas	19.093	ug/l	393328.30
Ag	109	115	1	No Gas	18.956	ug/l	375805.73
Cd	111	115	1	No Gas	49.335	ug/l	217362.85

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	51.637	ug/l	78188.53
Cd	114	115	1	No Gas	47.856	ug/l	483219.78
Cd	114	115	3	He	50.518	ug/l	189002.20
Sn	118	115	1	No Gas	48.516	ug/l	607643.71
Sn	118	115	3	He	50.071	ug/l	178852.31
Sb	121	115	1	No Gas	50.130	ug/l	997491.45
Sb	121	115	3	He	51.537	ug/l	293571.56
Sb	123	115	1	No Gas	49.666	ug/l	762030.94
Sb	123	115	3	He	51.376	ug/l	231484.80
Ba	135	115	1	No Gas	50.691	ug/l	191097.67
Ba	137	115	1	No Gas	48.622	ug/l	326055.88
La	139	115	3	He	50.343	ug/l	1006652.63
Ce	140	115	3	He	50.473	ug/l	1074739.88
Hg	201	209	1	No Gas	0.952	ug/l	2164.42
Hg	202	209	1	No Gas	0.974	ug/l	4927.93
Hg	202	209	3	He	1.006	ug/l	2589.41
Tl	203	209	3	He	46.432	ug/l	315386.87
Tl	205	209	1	No Gas	48.029	ug/l	1435419.48
Tl	205	209	3	He	46.617	ug/l	762740.20
[Pb]	206	209	1	No Gas	48.170	ug/l	496321.05
[Pb]	207	209	1	No Gas	49.526	ug/l	435915.36
Pb	208	209	1	No Gas	48.967	ug/l	1991223.97
Th	232	209	3	He	46.309	ug/l	1023571.81
U	238	209	1	No Gas	49.207	ug/l	1920000.66

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3906007.77	101.3
Sc	45	2	H2	1921141.37	85.7
Sc	45	3	He	244259.11	92.4
Ge	72	1	No Gas	961896.90	101.0
Ge	72	2	H2	670819.15	95.1
Ge	72	3	He	151628.36	96.0
In	115	1	No Gas	5759755.87	103.4
In	115	3	He	1459121.86	97.5
Tb	159	1	No Gas	7331692.32	104.5
Tb	159	3	He	3443911.42	102.5
Ho	165	1	No Gas	7201137.92	104.9
Ho	165	3	He	3410347.60	104.3
Lu	175	1	No Gas	7272564.23	106.3
Lu	175	3	He	2969824.31	104.1
Bi	209	1	No Gas	4375370.20	101.6
Bi	209	3	He	2306528.39	103.8

ICPMS207-B Analytical Data

Sample Name	CCB
File Name	057_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 17:14:43
Sample Type	CCB
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.656	ug/l	20690.99
Be	9	45	1	No Gas	-0.071	ug/l	163.64
B	11	45	1	No Gas	1.169	ug/l	4934.79
Na	23	45	3	He	29.858	ug/l	61508.37
Mg	24	45	3	He	0.781	ug/l	1443.88
Al	27	45	1	No Gas	-0.496	ug/l	7196.20
Si	28	45	2	H2	-0.702	ug/l	11892.18
K	39	72	3	He	-28.543	ug/l	110802.42
Ca	40	72	2	H2	0.130	ug/l	154793.55
Ti	47	72	1	No Gas	0.026	ug/l	450.46
V	51	72	1	No Gas	-0.120	ug/l	11347.88
V	51	72	3	He	0.255	ug/l	35624.13
Cr	52	72	1	No Gas	-0.113	ug/l	120745.41
Cr	52	72	3	He	0.020	ug/l	1664.55
Mn	55	72	1	No Gas	0.236	ug/l	19797.47
Mn	55	72	3	He	0.001	ug/l	159.97
Fe	56	72	2	H2	0.121	ug/l	11355.84
Fe	56	72	3	He	0.143	ug/l	7416.01
Co	59	72	1	No Gas	-0.002	ug/l	375.93
Ni	60	72	1	No Gas	0.055	ug/l	1157.75
Ni	60	72	3	He	-0.017	ug/l	95.56
Cu	63	72	1	No Gas	-0.006	ug/l	1695.45
Cu	63	72	3	He	-0.017	ug/l	314.94
Cu	65	72	1	No Gas	-0.047	ug/l	694.29
Zn	66	72	1	No Gas	-0.238	ug/l	1410.27
Zn	66	72	3	He	-0.166	ug/l	328.90
As	75	72	1	No Gas	0.337	ug/l	23091.29
As	75	72	3	He	-0.108	ug/l	644.73
Se	78	72	2	H2	-0.014	ug/l	37.89
Br	79	72	1	No Gas	0.518	ug/l	13043.38
Br	79	72	2	H2	0.463	ug/l	7463.84
Se	82	72	1	No Gas	-0.517	ug/l	802.22
Kr	84	72	1	No Gas		ug/l	22702.85
Sr	88	72	1	No Gas	-0.001	ug/l	532.29
Sr	88	72	3	He	-0.001	ug/l	145.56
Mo	95	115	1	No Gas	0.027	ug/l	313.34
Mo	95	115	3	He	0.026	ug/l	104.44
Mo	98	115	1	No Gas	0.029	ug/l	539.95
Ag	107	115	1	No Gas	-0.003	ug/l	1466.00
Ag	109	115	1	No Gas	-0.009	ug/l	1409.31
Cd	111	115	1	No Gas	0.002	ug/l	-7.02

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.004	ug/l	10.00
Cd	114	115	1	No Gas	0.008	ug/l	-58.41
Cd	114	115	3	He	0.004	ug/l	25.67
Sn	118	115	1	No Gas	-0.007	ug/l	1091.22
Sn	118	115	3	He	-0.002	ug/l	316.67
Sb	121	115	1	No Gas	0.060	ug/l	1586.58
Sb	121	115	3	He	0.047	ug/l	363.71
Sb	123	115	1	No Gas	0.062	ug/l	1246.18
Sb	123	115	3	He	0.043	ug/l	275.36
Ba	135	115	1	No Gas	-0.006	ug/l	9.98
Ba	137	115	1	No Gas	-0.002	ug/l	29.94
La	139	115	3	He	0.001	ug/l	15.56
Ce	140	115	3	He	0.000	ug/l	16.67
Hg	201	209	1	No Gas	-0.002	ug/l	31.66
Hg	202	209	1	No Gas	0.000	ug/l	74.99
Hg	202	209	3	He	0.001	ug/l	35.66
Tl	203	209	3	He	0.090	ug/l	766.33
Tl	205	209	1	No Gas	0.065	ug/l	2728.09
Tl	205	209	3	He	0.092	ug/l	1905.58
[Pb]	206	209	1	No Gas	0.001	ug/l	154.45
[Pb]	207	209	1	No Gas	0.002	ug/l	138.89
Pb	208	209	1	No Gas	0.001	ug/l	603.34
Th	232	209	3	He	0.025	ug/l	861.71
U	238	209	1	No Gas	0.003	ug/l	130.31

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3888680.39	100.8
Sc	45	2	H2	1929290.03	86.1
Sc	45	3	He	236481.94	89.5
Ge	72	1	No Gas	945458.59	99.2
Ge	72	2	H2	673314.09	95.5
Ge	72	3	He	144998.82	91.8
In	115	1	No Gas	5888890.76	105.7
In	115	3	He	1425815.89	95.3
Tb	159	1	No Gas	7379609.30	105.2
Tb	159	3	He	3354712.12	99.9
Ho	165	1	No Gas	7162572.37	104.4
Ho	165	3	He	3294865.82	100.7
Lu	175	1	No Gas	7183430.68	105.0
Lu	175	3	He	2820530.46	98.9
Bi	209	1	No Gas	4569640.77	106.2
Bi	209	3	He	2319542.04	104.4

ICPMS207-B Analytical Data

Sample Name	B22020415-027B
File Name	058SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 17:20:57
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	1.010	ug/l	23628.43
Be	9	45	1	No Gas	-0.062	ug/l	194.30
B	11	45	1	No Gas	56.845	ug/l	170392.97
Na	23	45	3	He	51276.390	ug/l	38360434.98
Mg	24	45	3	He	20517.120	ug/l	8650553.80
Al	27	45	1	No Gas	2.345	ug/l	62939.64
Si	28	45	2	H2	20893.614	ug/l	41723731.20
K	39	72	3	He	2522.535	ug/l	1337965.99
Ca	40	72	2	H2	19277.872	ug/l	136753979.16
Ti	47	72	1	No Gas	1.789	ug/l	4136.43
V	51	72	1	No Gas	11.376	ug/l	322951.36
V	51	72	3	He	19.841	ug/l	110286.83
Cr	52	72	1	No Gas	4.507	ug/l	224373.39
Cr	52	72	3	He	2.300	ug/l	11520.10
Mn	55	72	1	No Gas	2.629	ug/l	93711.01
Mn	55	72	3	He	1.697	ug/l	5110.21
Fe	56	72	2	H2	2.661	ug/l	48429.76
Fe	56	72	3	He	2.530	ug/l	16305.46
Co	59	72	1	No Gas	0.048	ug/l	1650.16
Ni	60	72	1	No Gas	0.402	ug/l	3154.09
Ni	60	72	3	He	0.233	ug/l	487.79
Cu	63	72	1	No Gas	0.466	ug/l	8285.01
Cu	63	72	3	He	0.147	ug/l	981.17
Cu	65	72	1	No Gas	0.253	ug/l	2670.66
Zn	66	72	1	No Gas	0.789	ug/l	6425.97
Zn	66	72	3	He	0.958	ug/l	1387.85
As	75	72	1	No Gas	1.050	ug/l	26016.71
As	75	72	3	He	0.308	ug/l	992.48
Se	78	72	2	H2	0.327	ug/l	231.45
Br	79	72	1	No Gas	8.065	ug/l	90158.41
Br	79	72	2	H2	8.105	ug/l	53983.24
Se	82	72	1	No Gas	0.333	ug/l	1034.78
Kr	84	72	1	No Gas		ug/l	57156.37
Sr	88	72	1	No Gas	148.863	ug/l	5640303.81
Sr	88	72	3	He	144.459	ug/l	664255.91
Mo	95	115	1	No Gas	0.530	ug/l	4065.05
Mo	95	115	3	He	0.606	ug/l	1525.65
Mo	98	115	1	No Gas	0.506	ug/l	6266.28
Ag	107	115	1	No Gas	-0.066	ug/l	144.06
Ag	109	115	1	No Gas	-0.071	ug/l	138.06
Cd	111	115	1	No Gas	0.015	ug/l	50.13

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.007	ug/l	13.00
Cd	114	115	1	No Gas	0.022	ug/l	77.11
Cd	114	115	3	He	0.005	ug/l	27.26
Sn	118	115	1	No Gas	0.211	ug/l	3520.13
Sn	118	115	3	He	0.238	ug/l	1035.60
Sb	121	115	1	No Gas	0.036	ug/l	1005.14
Sb	121	115	3	He	0.042	ug/l	297.70
Sb	123	115	1	No Gas	0.043	ug/l	864.45
Sb	123	115	3	He	0.036	ug/l	218.69
Ba	135	115	1	No Gas	7.006	ug/l	24579.66
Ba	137	115	1	No Gas	6.962	ug/l	43422.11
La	139	115	3	He	0.001	ug/l	18.89
Ce	140	115	3	He	0.002	ug/l	40.00
Hg	201	209	1	No Gas	0.002	ug/l	37.66
Hg	202	209	1	No Gas	0.010	ug/l	114.31
Hg	202	209	3	He	0.017	ug/l	68.99
Tl	203	209	3	He	0.055	ug/l	480.87
Tl	205	209	1	No Gas	0.038	ug/l	1726.79
Tl	205	209	3	He	0.059	ug/l	1258.57
[Pb]	206	209	1	No Gas	0.025	ug/l	372.23
[Pb]	207	209	1	No Gas	0.029	ug/l	354.45
Pb	208	209	1	No Gas	0.025	ug/l	1465.59
Th	232	209	3	He	0.102	ug/l	2355.83
U	238	209	1	No Gas	0.027	ug/l	1020.17

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3586642.51	93.0
Sc	45	2	H2	1744558.66	77.9
Sc	45	3	He	211107.26	79.9
Ge	72	1	No Gas	891418.96	93.6
Ge	72	2	H2	614150.53	87.1
Ge	72	3	He	131653.00	83.4
In	115	1	No Gas	5349911.59	96.0
In	115	3	He	1280926.55	85.6
Tb	159	1	No Gas	6965475.18	99.3
Tb	159	3	He	3197101.49	95.2
Ho	165	1	No Gas	6750314.66	98.3
Ho	165	3	He	3176026.12	97.1
Lu	175	1	No Gas	6854888.61	100.2
Lu	175	3	He	2660734.49	93.3
Bi	209	1	No Gas	4143260.76	96.2
Bi	209	3	He	2127558.47	95.8

ICPMS207-B Analytical Data

Sample Name	B22020415-032A
File Name	059SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 17:27:11
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.267	ug/l	16169.73
Be	9	45	1	No Gas	-0.075	ug/l	144.30
B	11	45	1	No Gas	56.192	ug/l	193031.77
Na	23	45	3	He	49050.101	ug/l	45100499.33
Mg	24	45	3	He	20188.486	ug/l	10461872.78
Al	27	45	1	No Gas	1.306	ug/l	48552.11
Si	28	45	2	H2	20596.642	ug/l	48373383.24
K	39	72	3	He	2585.601	ug/l	1663356.82
Ca	40	72	2	H2	19417.473	ug/l	157348221.01
Ti	47	72	1	No Gas	1.318	ug/l	3448.89
V	51	72	1	No Gas	15.192	ug/l	468605.03
V	51	72	3	He	9.330	ug/l	83222.78
Cr	52	72	1	No Gas	-1.316	ug/l	93368.98
Cr	52	72	3	He	1.883	ug/l	11779.22
Mn	55	72	1	No Gas	0.731	ug/l	37500.22
Mn	55	72	3	He	0.725	ug/l	2755.38
Fe	56	72	2	H2	0.996	ug/l	26811.55
Fe	56	72	3	He	0.743	ug/l	11107.06
Co	59	72	1	No Gas	0.023	ug/l	1117.83
Ni	60	72	1	No Gas	0.306	ug/l	2841.32
Ni	60	72	3	He	0.181	ug/l	492.23
Cu	63	72	1	No Gas	0.582	ug/l	10890.44
Cu	63	72	3	He	0.381	ug/l	2397.05
Cu	65	72	1	No Gas	0.413	ug/l	4109.57
Zn	66	72	1	No Gas	0.639	ug/l	6230.54
Zn	66	72	3	He	0.853	ug/l	1562.32
As	75	72	1	No Gas	-1.241	ug/l	13568.94
As	75	72	3	He	-0.499	ug/l	247.33
Se	78	72	2	H2	0.245	ug/l	210.33
Br	79	72	1	No Gas	29.099	ug/l	336940.65
Br	79	72	2	H2	28.214	ug/l	203441.52
Se	82	72	1	No Gas	0.186	ug/l	1081.59
Kr	84	72	1	No Gas		ug/l	62090.13
Sr	88	72	1	No Gas	155.760	ug/l	6473764.88
Sr	88	72	3	He	142.630	ug/l	797238.41
Mo	95	115	1	No Gas	0.270	ug/l	2411.33
Mo	95	115	3	He	0.274	ug/l	861.15
Mo	98	115	1	No Gas	0.258	ug/l	3725.10
Ag	107	115	1	No Gas	-0.064	ug/l	201.42
Ag	109	115	1	No Gas	-0.070	ug/l	174.07
Cd	111	115	1	No Gas	0.012	ug/l	39.95

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.005	ug/l	12.00
Cd	114	115	1	No Gas	0.018	ug/l	54.37
Cd	114	115	3	He	0.004	ug/l	28.95
Sn	118	115	1	No Gas	-0.062	ug/l	409.19
Sn	118	115	3	He	-0.064	ug/l	108.89
Sb	121	115	1	No Gas	0.001	ug/l	414.05
Sb	121	115	3	He	0.001	ug/l	113.68
Sb	123	115	1	No Gas	0.003	ug/l	339.04
Sb	123	115	3	He	0.000	ug/l	96.34
Ba	135	115	1	No Gas	6.930	ug/l	27739.36
Ba	137	115	1	No Gas	6.750	ug/l	48041.17
La	139	115	3	He	0.000	ug/l	11.11
Ce	140	115	3	He	0.001	ug/l	26.66
Hg	201	209	1	No Gas	-0.005	ug/l	26.99
Hg	202	209	1	No Gas	-0.003	ug/l	59.66
Hg	202	209	3	He	0.001	ug/l	37.99
Tl	203	209	3	He	0.047	ug/l	490.87
Tl	205	209	1	No Gas	0.019	ug/l	1310.08
Tl	205	209	3	He	0.040	ug/l	1096.49
[Pb]	206	209	1	No Gas	0.009	ug/l	247.78
[Pb]	207	209	1	No Gas	0.011	ug/l	227.78
Pb	208	209	1	No Gas	0.011	ug/l	1040.03
Th	232	209	3	He	-0.008	ug/l	135.39
U	238	209	1	No Gas	0.026	ug/l	1102.49

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	4113954.38	106.7
Sc	45	2	H2	2051706.34	91.6
Sc	45	3	He	259462.96	98.2
Ge	72	1	No Gas	977792.42	102.6
Ge	72	2	H2	701548.23	99.5
Ge	72	3	He	160028.02	101.3
In	115	1	No Gas	6104823.74	109.6
In	115	3	He	1562810.74	104.5
Tb	159	1	No Gas	7748207.36	110.5
Tb	159	3	He	3557394.02	105.9
Ho	165	1	No Gas	7582809.42	110.5
Ho	165	3	He	3558333.73	108.8
Lu	175	1	No Gas	7762202.35	113.5
Lu	175	3	He	3123376.13	109.5
Bi	209	1	No Gas	4651414.48	108.1
Bi	209	3	He	2410175.93	108.5

ICPMS207-B Analytical Data

Sample Name	B22020415-032B
File Name	060SMPL.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 17:33:27
Sample Type	Sample
Total Dilution	1.0000
Comment	ICPMS-6020-W-T
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.720	ug/l	20225.52
Be	9	45	1	No Gas	-0.065	ug/l	181.96
B	11	45	1	No Gas	56.018	ug/l	170499.12
Na	23	45	3	He	51321.653	ug/l	39134246.08
Mg	24	45	3	He	20495.401	ug/l	8808653.55
Al	27	45	1	No Gas	2.394	ug/l	64884.96
Si	28	45	2	H2	20604.937	ug/l	41283716.87
K	39	72	3	He	2538.311	ug/l	1390068.54
Ca	40	72	2	H2	19467.877	ug/l	138334159.29
Ti	47	72	1	No Gas	1.561	ug/l	3702.53
V	51	72	1	No Gas	9.836	ug/l	284453.89
V	51	72	3	He	18.753	ug/l	109465.33
Cr	52	72	1	No Gas	4.411	ug/l	224808.72
Cr	52	72	3	He	2.145	ug/l	11203.20
Mn	55	72	1	No Gas	1.803	ug/l	68650.11
Mn	55	72	3	He	0.799	ug/l	2564.05
Fe	56	72	2	H2	1.717	ug/l	34329.45
Fe	56	72	3	He	1.612	ug/l	13042.29
Co	59	72	1	No Gas	0.042	ug/l	1523.73
Ni	60	72	1	No Gas	0.460	ug/l	3546.75
Ni	60	72	3	He	0.212	ug/l	470.01
Cu	63	72	1	No Gas	0.456	ug/l	8237.65
Cu	63	72	3	He	0.135	ug/l	961.51
Cu	65	72	1	No Gas	0.253	ug/l	2705.34
Zn	66	72	1	No Gas	0.698	ug/l	6057.00
Zn	66	72	3	He	0.805	ug/l	1280.06
As	75	72	1	No Gas	1.802	ug/l	30853.50
As	75	72	3	He	0.319	ug/l	1035.62
Se	78	72	2	H2	0.306	ug/l	219.56
Br	79	72	1	No Gas	8.952	ug/l	100561.89
Br	79	72	2	H2	8.724	ug/l	57897.13
Se	82	72	1	No Gas	0.151	ug/l	992.38
Kr	84	72	1	No Gas		ug/l	57513.76
Sr	88	72	1	No Gas	147.083	ug/l	5645473.26
Sr	88	72	3	He	141.908	ug/l	674227.99
Mo	95	115	1	No Gas	0.663	ug/l	5155.41
Mo	95	115	3	He	0.794	ug/l	2025.72
Mo	98	115	1	No Gas	0.663	ug/l	8319.09
Ag	107	115	1	No Gas	-0.066	ug/l	135.39
Ag	109	115	1	No Gas	-0.071	ug/l	143.39
Cd	111	115	1	No Gas	0.011	ug/l	33.99

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.006	ug/l	11.67
Cd	114	115	1	No Gas	0.017	ug/l	40.04
Cd	114	115	3	He	0.005	ug/l	25.16
Sn	118	115	1	No Gas	0.192	ug/l	3367.08
Sn	118	115	3	He	0.222	ug/l	1002.26
Sb	121	115	1	No Gas	0.018	ug/l	678.09
Sb	121	115	3	He	0.023	ug/l	208.69
Sb	123	115	1	No Gas	0.026	ug/l	636.41
Sb	123	115	3	He	0.021	ug/l	163.02
Ba	135	115	1	No Gas	6.902	ug/l	24659.67
Ba	137	115	1	No Gas	6.776	ug/l	43037.73
La	139	115	3	He	0.001	ug/l	26.67
Ce	140	115	3	He	0.002	ug/l	47.78
Hg	201	209	1	No Gas	-0.001	ug/l	31.99
Hg	202	209	1	No Gas	0.006	ug/l	98.65
Hg	202	209	3	He	0.009	ug/l	53.32
Tl	203	209	3	He	0.029	ug/l	326.81
Tl	205	209	1	No Gas	0.018	ug/l	1188.95
Tl	205	209	3	He	0.026	ug/l	766.33
[Pb]	206	209	1	No Gas	0.016	ug/l	294.45
[Pb]	207	209	1	No Gas	0.017	ug/l	257.78
Pb	208	209	1	No Gas	0.016	ug/l	1153.37
Th	232	209	3	He	0.045	ug/l	1227.22
U	238	209	1	No Gas	0.025	ug/l	970.84

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3653463.90	94.7
Sc	45	2	H2	1750222.63	78.1
Sc	45	3	He	215194.57	81.4
Ge	72	1	No Gas	904957.81	95.0
Ge	72	2	H2	615147.80	87.2
Ge	72	3	He	136021.22	86.1
In	115	1	No Gas	5468955.23	98.2
In	115	3	He	1303464.89	87.1
Tb	159	1	No Gas	7191860.04	102.6
Tb	159	3	He	3192593.45	95.1
Ho	165	1	No Gas	6890739.20	100.4
Ho	165	3	He	3163066.45	96.7
Lu	175	1	No Gas	6991949.41	102.2
Lu	175	3	He	2799483.79	98.1
Bi	209	1	No Gas	4251763.03	98.8
Bi	209	3	He	2164599.13	97.4

ICPMS207-B Analytical Data

Sample Name	CCV
File Name	061_CCV.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 17:39:41
Sample Type	CCV
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	622.471	ug/l	8361122.59
Be	9	45	1	No Gas	45.725	ug/l	248603.15
B	11	45	1	No Gas	52.923	ug/l	166232.16
Na	23	45	3	He	13618.908	ug/l	11781678.85
Mg	24	45	3	He	13375.042	ug/l	6506331.20
Al	27	45	1	No Gas	49.878	ug/l	1052115.26
Si	28	45	2	H2	214.431	ug/l	478578.89
K	39	72	3	He	11985.961	ug/l	6945933.09
Ca	40	72	2	H2	12042.821	ug/l	93979687.21
Ti	47	72	1	No Gas	47.402	ug/l	107723.45
V	51	72	1	No Gas	43.733	ug/l	1292709.39
V	51	72	3	He	47.657	ug/l	258949.37
Cr	52	72	1	No Gas	47.491	ug/l	1346120.45
Cr	52	72	3	He	48.442	ug/l	250887.73
Mn	55	72	1	No Gas	49.541	ug/l	1681477.25
Mn	55	72	3	He	49.265	ug/l	169222.86
Fe	56	72	2	H2	1341.676	ug/l	22117644.99
Fe	56	72	3	He	1280.496	ug/l	6023487.02
Co	59	72	1	No Gas	47.597	ug/l	1329380.62
Ni	60	72	1	No Gas	47.168	ug/l	302750.92
Ni	60	72	3	He	52.075	ug/l	97831.68
Cu	63	72	1	No Gas	48.494	ug/l	740232.51
Cu	63	72	3	He	51.317	ug/l	255105.22
Cu	65	72	1	No Gas	47.764	ug/l	346069.67
Zn	66	72	1	No Gas	47.435	ug/l	255501.44
Zn	66	72	3	He	51.037	ug/l	58466.79
As	75	72	1	No Gas	50.194	ug/l	341821.12
As	75	72	3	He	48.584	ug/l	56445.17
Se	78	72	2	H2	50.602	ug/l	32133.93
Br	79	72	1	No Gas	0.867	ug/l	17049.65
Br	79	72	2	H2	0.794	ug/l	9730.65
Se	82	72	1	No Gas	49.975	ug/l	18522.36
Kr	84	72	1	No Gas		ug/l	36577.18
Sr	88	72	1	No Gas	51.671	ug/l	2105763.14
Sr	88	72	3	He	48.551	ug/l	261763.98
Mo	95	115	1	No Gas	46.297	ug/l	376112.11
Mo	95	115	3	He	50.319	ug/l	142438.52
Mo	98	115	1	No Gas	47.115	ug/l	617434.74
Ag	107	115	1	No Gas	19.070	ug/l	395084.81
Ag	109	115	1	No Gas	19.239	ug/l	383594.91
Cd	111	115	1	No Gas	50.641	ug/l	224360.04

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	51.521	ug/l	78466.52
Cd	114	115	1	No Gas	48.878	ug/l	496297.72
Cd	114	115	3	He	50.779	ug/l	191079.78
Sn	118	115	1	No Gas	49.782	ug/l	626572.58
Sn	118	115	3	He	50.605	ug/l	181803.35
Sb	121	115	1	No Gas	51.179	ug/l	1023827.63
Sb	121	115	3	He	51.596	ug/l	295624.63
Sb	123	115	1	No Gas	50.423	ug/l	778098.34
Sb	123	115	3	He	51.534	ug/l	233534.30
Ba	135	115	1	No Gas	50.935	ug/l	193289.08
Ba	137	115	1	No Gas	49.258	ug/l	332650.58
La	139	115	3	He	50.992	ug/l	1025594.42
Ce	140	115	3	He	50.773	ug/l	1087522.93
Hg	201	209	1	No Gas	0.976	ug/l	2268.41
Hg	202	209	1	No Gas	0.986	ug/l	5108.96
Hg	202	209	3	He	1.008	ug/l	2640.41
Tl	203	209	3	He	47.045	ug/l	325262.96
Tl	205	209	1	No Gas	48.469	ug/l	1484692.86
Tl	205	209	3	He	46.278	ug/l	770701.76
[Pb]	206	209	1	No Gas	49.429	ug/l	521152.04
[Pb]	207	209	1	No Gas	50.334	ug/l	453643.76
Pb	208	209	1	No Gas	49.917	ug/l	2078288.59
Th	232	209	3	He	46.892	ug/l	1054988.97
U	238	209	1	No Gas	49.208	ug/l	1965409.69

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3764412.50	97.6
Sc	45	2	H2	1896473.15	84.6
Sc	45	3	He	243549.41	92.2
Ge	72	1	No Gas	961194.94	100.9
Ge	72	2	H2	675439.36	95.8
Ge	72	3	He	154306.21	97.7
In	115	1	No Gas	5799979.66	104.1
In	115	3	He	1467639.10	98.1
Tb	159	1	No Gas	7410084.30	105.7
Tb	159	3	He	3454878.09	102.9
Ho	165	1	No Gas	7276454.43	106.0
Ho	165	3	He	3375748.88	103.2
Lu	175	1	No Gas	7290316.26	106.6
Lu	175	3	He	2888393.55	101.2
Bi	209	1	No Gas	4485358.48	104.2
Bi	209	3	He	2347808.14	105.7

ICPMS207-B Analytical Data

Sample Name	CCB
File Name	062_CCB.d
Data Path Name	D:\Agilent\ICPMH\1\DATA\220214A.b
Acq Time	2022-02-14 17:45:56
Sample Type	CCB
Total Dilution	1.0000
Comment	ICPMS-6020-W-D
Operator	CAR/SRH/JPV/AEM
Method	SW6020/SW6020B

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Li	7	45	1	No Gas	0.621	ug/l	19506.30
Be	9	45	1	No Gas	-0.066	ug/l	180.96
B	11	45	1	No Gas	0.910	ug/l	3956.11
Na	23	45	3	He	28.050	ug/l	58750.72
Mg	24	45	3	He	0.980	ug/l	1503.77
Al	27	45	1	No Gas	-0.516	ug/l	6529.23
Si	28	45	2	H2	-0.917	ug/l	11069.87
K	39	72	3	He	-40.372	ug/l	105681.56
Ca	40	72	2	H2	0.080	ug/l	151849.16
Ti	47	72	1	No Gas	0.004	ug/l	402.08
V	51	72	1	No Gas	-3.869	ug/l	-96638.74
V	51	72	3	He	-0.120	ug/l	34372.32
Cr	52	72	1	No Gas	-0.294	ug/l	115883.53
Cr	52	72	3	He	-0.001	ug/l	1577.87
Mn	55	72	1	No Gas	0.180	ug/l	17875.44
Mn	55	72	3	He	-0.003	ug/l	149.97
Fe	56	72	2	H2	0.102	ug/l	10873.29
Fe	56	72	3	He	0.072	ug/l	7182.33
Co	59	72	1	No Gas	-0.001	ug/l	419.17
Ni	60	72	1	No Gas	0.060	ug/l	1187.70
Ni	60	72	3	He	0.001	ug/l	130.00
Cu	63	72	1	No Gas	-0.016	ug/l	1531.36
Cu	63	72	3	He	-0.018	ug/l	317.61
Cu	65	72	1	No Gas	-0.054	ug/l	642.94
Zn	66	72	1	No Gas	-0.267	ug/l	1257.09
Zn	66	72	3	He	-0.215	ug/l	280.01
As	75	72	1	No Gas	0.569	ug/l	24476.41
As	75	72	3	He	-0.123	ug/l	636.20
Se	78	72	2	H2	-0.018	ug/l	34.55
Br	79	72	1	No Gas	0.459	ug/l	12377.45
Br	79	72	2	H2	0.440	ug/l	7177.59
Se	82	72	1	No Gas	-0.202	ug/l	910.77
Kr	84	72	1	No Gas		ug/l	22036.47
Sr	88	72	1	No Gas	0.000	ug/l	562.23
Sr	88	72	3	He	-0.003	ug/l	135.56
Mo	95	115	1	No Gas	0.028	ug/l	323.34
Mo	95	115	3	He	0.028	ug/l	110.00
Mo	98	115	1	No Gas	0.026	ug/l	506.33
Ag	107	115	1	No Gas	-0.003	ug/l	1483.35
Ag	109	115	1	No Gas	-0.011	ug/l	1366.62
Cd	111	115	1	No Gas	0.010	ug/l	29.82

ICPMS207-B Analytical Data

Name	Mass	ISTD	Tune Step	Tune Mode	Conc.	Units	CPS
Cd	111	115	3	He	0.004	ug/l	9.89
Cd	114	115	1	No Gas	0.008	ug/l	-53.24
Cd	114	115	3	He	0.004	ug/l	23.40
Sn	118	115	1	No Gas	-0.003	ug/l	1137.79
Sn	118	115	3	He	-0.001	ug/l	314.45
Sb	121	115	1	No Gas	0.058	ug/l	1561.58
Sb	121	115	3	He	0.044	ug/l	341.04
Sb	123	115	1	No Gas	0.059	ug/l	1200.51
Sb	123	115	3	He	0.040	ug/l	259.70
Ba	135	115	1	No Gas	0.000	ug/l	29.94
Ba	137	115	1	No Gas	-0.004	ug/l	19.96
La	139	115	3	He	0.000	ug/l	6.67
Ce	140	115	3	He	0.000	ug/l	7.78
Hg	201	209	1	No Gas	-0.005	ug/l	26.33
Hg	202	209	1	No Gas	-0.001	ug/l	71.66
Hg	202	209	3	He	-0.001	ug/l	30.99
Tl	203	209	3	He	0.102	ug/l	836.36
Tl	205	209	1	No Gas	0.073	ug/l	3015.93
Tl	205	209	3	He	0.103	ug/l	2056.32
[Pb]	206	209	1	No Gas	0.000	ug/l	151.12
[Pb]	207	209	1	No Gas	0.000	ug/l	127.78
Pb	208	209	1	No Gas	0.001	ug/l	594.46
Th	232	209	3	He	0.025	ug/l	859.71
U	238	209	1	No Gas	0.003	ug/l	148.64

Name	Mass	Tune Step	Tune Mode	CPS	ISTD Recovery %
Sc	45	1	No Gas	3753281.87	97.3
Sc	45	2	H2	1870920.16	83.5
Sc	45	3	He	231615.20	87.7
Ge	72	1	No Gas	943068.34	99.0
Ge	72	2	H2	662113.52	93.9
Ge	72	3	He	146637.22	92.9
In	115	1	No Gas	5896338.55	105.9
In	115	3	He	1409672.87	94.2
Tb	159	1	No Gas	7437000.07	106.0
Tb	159	3	He	3384892.22	100.8
Ho	165	1	No Gas	7251934.02	105.7
Ho	165	3	He	3312095.86	101.3
Lu	175	1	No Gas	7238610.85	105.8
Lu	175	3	He	2833342.15	99.3
Bi	209	1	No Gas	4627093.71	107.5
Bi	209	3	He	2286237.56	102.9

Energy Laboratories Inc

Spike LOG

Standard ID: ME220208 AUDIGSPK
Standard Name AUDIGSPK
Date Prepared 1/28/2022
Date Expires: 10/25/2022
Department ME
Vendor:
Lot Number:
Balance ID:

Type: Secondary
BY: Amanda E. McDani
Status: Empty/Disposed

Comments:

Final Volume: 50 mL

Stock Source		Base Units	Amount Added
ME211202A	U Stock	ug/mL	5 mL
ME 211025 Th Sec	Th Seondary Stock	ug/mL	5 mL
ME211222 Ce 2nd	Ce Secondary Stock	ug/mL	5 mL
ME211222 La Sec	La Secondary Stock	ug/mL	5 mL
ME211229A AU 2n	Au 2nd source Stock	ug/mL	15 mL
ME211025A	Te Stock	ug/mL	15 mL

Analytes	CAS	Conc:	ug/mL

Energy Laboratories Inc

Standard LOG

Standard ID: ME211202A
Standard Name U Stock
Date Prepared 12/2/2021
Date Expires: 12/2/2022
Department ME
Vendor: SCP Science
Lot Number: S210517021
Balance ID:

Type: Primary
BY: Amanda E. McDani
Status: New

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
ICP/ICPMS Standard Uranium	14419	500	mL	12/2/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

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Certificate of Analysis

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1.0 DESCRIPTION:

*Plasma*CAL ICP/ICPMS Standard - Uranium 1000 µg/ml

Catalogue Number: 140-051-920/-921/-925

Starting Material: Uranyl Nitrate 99.99%

Lot Number: **S210517021**

Matrix: 4% HNO_3 (See Section 3 for actual matrix)

Expiration Date (End of month): **May 2023** (or 15 months after bottle is opened, whichever comes first)

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1004 µg/ml +/- 4 µg/ml**

985 µg/g +/- 4 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3164 Lot: **080521**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.020 g/ml @ 24.0 °C**

Actual Matrix: **4.0% (v/v) HNO_3**

% abundance of stable isotopes : ^{238}U : 99. 82% ; ^{235}U : 0.18%

Note : The uranyl nitrate comes from a depleted source of uranium.

ID #: 14419
Opened:_____
ICP/ICPMS Standard Uranium
Expires: 5/31/2023
Rec'd: 10/20/2021
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	<0.0010	Fe	<0.0018	Nd	<0.0010	Sn	<0.0010
Al	**0.0252**	Ga	<0.0010	Ni	<0.0010	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	<0.0010	Ge	<0.0010	P	<0.0026	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	*	Pd	<0.0010	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	<0.0010	Tl	<0.0011
Ca	<0.0135	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	<0.0024	Re	<0.0010	U	N/A
Ce	<0.0010	La	<0.0010	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	<0.0010
Cs	<0.0010	Mg	<0.0020	Sb	<0.0010	Yb	<0.0010
Cu	<0.0010	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.0010	Zr	<0.0010
Er	<0.0010	Na	<0.0010	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Yaling Sui, Chemist

Certification Date: May 27, 2021

Yaling Sui

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter* ***SCP SCIENCE***.

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ*:

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION*:

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ*:

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité* ***enregistré*** *à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: SCP SCIENCE (Corporate Headquarters) operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)*** *est* ***accréditée*** *ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)*** *est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Marktoberdorf

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Energy Laboratories Inc

Standard LOG

Standard ID:	ME 211025 TH SECONDARY STOCK		
Standard Name	Th Seondary Stock	Type:	Primary
Date Prepared	10/25/2021	BY:	Stacy R. Hendricks
Date Expires:	10/25/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	S2-TH706436		
Balance ID:			
Comments:	Opened 10/25/2021; Expires 10/25/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Thorium Single Analyte Custom Grade Sol	14318	125	mL	10/25/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

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inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTH1
Lot Number:	S2-TH706436
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Thorium
Starting Material:	TH(NO3)4*4H2O
Starting Material Lot#:	2250
Starting Material Purity:	99.9905%

ID #: 14318
Opened:
Thorium Single Analyte Custom Grade Solutic
Expires: 7/4/2025
Rec'd: 9/24/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1001 ± 4 µg/mL

Density: 1.026 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1001 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #2 **1001 ± 6 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000448	M	Eu	<	0.000224	O	Na		0.064077	M	Se	<	0.005827	M	Zn		0.003183
O	Al		0.010962	M	Fe		0.012392	M	Nb	<	0.003138	i	Si	<		M	Zr	<	0.010310
M	As	<	0.038776	M	Ga	<	0.004931	M	Nd		0.004697	M	Sm		0.000871				
M	Au	<	0.000224	M	Gd		0.000300	M	Ni	<	0.006724	M	Sn	<	0.028242				
M	B	<	0.021293	M	Ge	<	0.008965	M	Os	<	0.000224	M	Sr		0.002582				
M	Ba		0.001317	M	Hf	<	0.000224	i	P	<		M	Ta	<	0.001344				
M	Be	<	0.000224	M	Hg	<	0.000448	M	Pb		0.003287	M	Tb	<	0.001793				
M	Bi	<	0.001793	M	Ho	<	0.001344	M	Pd	<	0.000448	M	Te	<	0.010086				
O	Ca		0.051969	M	In		0.000134	M	Pr		0.001202	s	Th	<					
M	Cd	<	0.001344	M	Ir	<	0.000224	M	Pt	<	0.000224	M	Ti	<	0.004258				
M	Ce		0.015420	O	K		0.028928	M	Rb	<	0.005155	M	Tl	<	0.000224				
M	Co	<	0.001344	M	La		0.003577	M	Re	<	0.000224	M	Tm	<	0.000224				
M	Cr	<	0.015465	M	Li	<	0.000448	M	Rh	<	0.000224	M	U		0.006564				
M	Cs	<	0.013896	M	Lu	<	0.000224	M	Ru	<	0.000224	M	V	<	0.001793				
M	Cu		0.001472	O	Mg		0.027914	i	S	<		M	W	<	0.000224				
M	Dy		0.000197	M	Mn		0.001814	M	Sb	<	0.004931	M	Y		0.000860				
M	Er	<	0.002241	M	Mo	<	0.000896	M	Sc	<	0.000672	M	Yb	<	0.000224				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 232.04 +4 8 Th(OH) 3+ and Th(OH)22+

Chemical Compatibility -Soluble in HCl, and HNO3. Avoid H3PO4, H2SO4 and HF although solubilities may not be a problem depending upon pH and matrix (For example: ThF4 is soluble in acids). Avoid neutral to basic media. Th4+ is stable with most metals and inorganic anions forming an insoluble carbonate, oxide, fluoride, oxalate, sulfate and phosphate in neutral to slightly acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

Th Containing Samples (Preparation and Solution) -Metal (Soluble in Aqua Regia); Oxide (The heated oxide is not soluble in acids except hot conc. H2SO4); Ores (Na2O2 fusion at 480 ± 20EC for 7 minutes, cool and treat sintered mass with 50 mL cold water and stand until disintegrated. The mass is transferred to a beaker and acidified with HCl with 25 mL excess HCl added. Any residue is collected on a Whatman No. 42 filter, dried and ignited to 1000 EC in Pt0 crucible and the ash treated with H2SO4 / HF and fumed. If residue remains, then treat it by peroxide fusion as above.)

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 232 amu	1 ppt	N/A	
ICP-OES 274.716 nm	0.08 / 0.008 µg/mL	1	Ti, Ta, Fe, V
ICP-OES 283.231 nm	0.07 / 0.007 µg/mL	1	U, Mo, Ti, Fe, Cr
ICP-OES 283.730 nm	0.07 / 0.007 µg/mL	1	U, Zr

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 04, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 04, 2025

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211222 CE 2ND SOURCE		
Standard Name	Ce Secondary Stock	Type:	Primary
Date Prepared	12/22/2021	BY:	Amanda E. McDani
Date Expires:	12/22/2022		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S210208003		
Balance ID:			
Comments:	opened 12/22/2021, expires 12/22/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Cerium PlasmaCal Standard	14327	125	mL	12/22/2022

Final Volume:
125 mL

Stock Source | **Base Units** | **Amount Added**

Analytes		**CAS**	Conc:	**ug/mL**
A	Cerium	7440-45-1		1000

SCP SCIENCE

Providing Innovative Solutions to Analytical Chemists

Certificate of Analysis

1.0 DESCRIPTION:

*Plasma*CAL ICP/ICPMS Standard - Cerium 1000 µg/ml

Catalogue Number: 140-051-580/-581/-585

Starting Material: Cerium(III) Nitrate Hexahydrate 99.99+%

Lot Number: **S210208003**

Matrix: 4% HNO_3 (See Section 3 for actual matrix)

Expiration Date (End of month): **February 2023** (or 15 months after bottle is opened, whichever comes first)

Ce

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1003 µg/ml +/- 4 µg/ml**

982 µg/g +/- 4 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3110 Lot: **090504**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.021 g/ml @ 22.5 °C**

Actual Matrix: **4.0% (v/v) HNO_3**

ID #: 14327
Opened:_____
Cerium PlasmaCal Standard
Expires: 2/28/2023
Rec'd: 9/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	<0.0010	Fe	<0.0018	Nd	**0.0102**	Sn	<0.0010
Al	**0.0148**	Ga	**0.0526**	Ni	**0.0064**	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	<0.0010	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	*	Pd	<0.0010	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	**0.0235**	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	<0.0010	Tl	<0.0011
Ca	**0.0375**	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	<0.0024	Re	<0.0010	U	<0.0010
Ce	N/A	La	<0.10	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	<0.0010
Cs	<0.0010	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0121**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.0010	Zr	<0.0010
Er	<0.0010	Na	<0.0010	Si	<0.10		
Eu	**0.0035**	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Yaling Sui, Chemist

Certification Date: February 22, 2021

Yaling Sui

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: SCP SCIENCE (Corporate Headquarters) operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Fax: +33 (0) 1 60 92 05 67

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Marktoberdorf

Phone: +49 (0) 8342-89560-61
Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211222 LA SECOND SOURCE		
Standard Name	La Secondary Stock	Type:	Primary
Date Prepared	12/22/2021	BY:	Amanda E. McDani
Date Expires:	12/22/2022		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S210803016		
Balance ID:			
Comments:	opened 12/22/2021, expires 12/22/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Lanthanum PlasmaCal Standard	14326	125	mL	12/22/2022

Final Volume: mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

SCP SCIENCE

Providing Innovative Solutions to Analytical Chemists

Certificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Lanthanum 1000 µg/ml

Catalogue Number: 140-051-570/-571/-575

Starting Material: Lanthanum(III) Oxide 99.99+%

Lot Number: **S210803016**

Matrix: 4% HNO_3 (See Section 3 for actual matrix)

Expiration Date (End of month): **August 2023** (or 15 months after bottle is opened, whichever comes first)

La

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1005 µg/ml +/- 4 µg/ml**

985 µg/g +/- 3 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3127a Lot: **151030**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.020 g/ml @ 23.2 °C**

Actual Matrix: **4.0% (v/v) HNO_3**

ID #: **14326**
Opened:
Lanthanum PlasmaCal Standard
Expires: 8/31/2023
Rec'd: 9/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	<0.0010	Fe	<0.0018	Nd	<0.0010	Sn	<0.0010
Al	**0.0106**	Ga	<0.0010	Ni	<0.0010	Sr	<0.0025
As	<0.0010	Gd	**0.0889**	Os	<0.0010	Ta	<0.0010
Au	<0.0010	Ge	<0.0010	P	<0.0026	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	**0.0031**	Hg	*	Pd	<0.0010	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0062
Bi	<0.0010	In	<0.0010	Pt	<0.0010	Tl	<0.0011
Ca	**0.0169**	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	<0.0024	Re	<0.0010	U	<0.0010
Ce	**0.0272**	La	N/A	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	**0.0020**
Cs	<0.0010	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	<0.0010	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.0010	Zr	<0.0010
Er	<0.0010	Na	**0.0156**	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist

Certification Date: August 12, 2021

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter* ***SCP SCIENCE***.

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité* ***enregistré*** *à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: SCP SCIENCE (Corporate Headquarters) operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)*** *est* ***accréditée*** *ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)*** *est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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GERMANY
Alte Marktoberdorfer Straße 14, 87616
Marktoberdorf

Phone: +49 (0) 8342-89560-61
Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211229A AU 2ND SOURCE		
Standard Name	Au 2nd source Stock	Type:	Primary
Date Prepared	12/29/2021	BY:	Amanda E. McDani
Date Expires:	12/29/2022		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S211129013		
Balance ID:			
Comments:	opened 12/29/2021; expires 12/29/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
ICP/ICPMS Standard Gold	14710	500	mL	12/29/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

SCP SCIENC

Providing Innovative Solutions to Analytical

ID #: 14710
Opened:
ICP/ICPMS Standard Gold
Expires: 12/31/2023
Rec'd: 12/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Gold 1000 µg/ml

Catalogue Number: 140-052-790/-791/-795
Starting Material: Gold Metal 99.99+%
Lot Number: **S211129013**
Matrix: 10% HCl (See Section 3 for actual matrix)
Expiration Date (End of month): **December 2023** (or 15 months after bottle is opened, whichever comes first)

Au

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1001 µg/ml +/- 4 µg/ml**
982 µg/g +/- 4 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3121 Lot: **991806**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.019 g/ml @ 22.4 °C**
Actual Matrix: **10.0% (v/v) HCl**

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	**0.3851**	Fe	<0.0090	Nd	<0.0010	Sn	<0.0010
Al	**0.0062**	Ga	<0.0010	Ni	<0.0010	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	N/A	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	*	Pd	**0.0434**	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	**0.0048**	Tl	<0.0011
Ca	<0.0135	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	**0.0362**	Re	<0.0010	U	<0.0010
Ce	<0.0010	La	<0.0010	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	<0.0010
Cs	**0.0029**	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0023**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.01	Zr	<0.0010
Er	<0.0010	Na	**0.0070**	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist
Certification Date: December 10, 2021

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: **SCP SCIENCE (Corporate Headquarters)** operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Fax: +33 (0) 1 60 92 05 67

GERMANY
Alte Marktoberdorfer Straße 14, 87616
Marktoberdorf
Phone: +49 (0) 8342-89560-61
Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211025A		
Standard Name	Te Stock	Type:	Primary
Date Prepared	10/25/2021	BY:	Stacy R. Hendricks
Date Expires:	10/25/2022		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S200130018		
Balance ID:			
Comments:	Opened 10/25/2021; Expires 10/25/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
ICP/ICPMS Standard Tellurium	14418	500	mL	10/25

Final Volume: 500 mL

Stock Source	**Base Units**	**Amount Added**
Analytes	**CAS**	Conc: **ug/mL**

SCP SCIENCE

Providing Innovative Solutions to Analytical Chemists

Certificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Tellurium 1000 µg/ml

Catalogue Number: 140-051-520/-521/-525

Starting Material: Tellurium Metal 99.99+%

Lot Number: **S210615004**

Matrix: 10% HNO3 (See Section 3 for actual matrix)

Expiration Date (End of month): **June 2023** (or 15 months after bottle is opened, whichever comes first)

Te

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1005 µg/ml +/- 5 µg/ml**

958 µg/g +/- 5 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3156 Lot: **140830**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

ID #: 14418
Opened:
ICP/ICPMS Standard Tellurium
Expires: 6/30/2023
Rec'd: 10/20/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 REFERENCE VALUES:

Density: **1.049 g/ml @ 25.5 °C**

Actual Matrix: **10.0% (v/v) HNO3**

Trace Metal Impurities as tested by ICP-AES:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	<0.0010	Fe	<0.0018	Nd	**0.0449**	Sn	<0.0010
Al	<0.0010	Ga	<0.0010	Ni	<0.0010	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	<0.0010	Ge	<0.0010	P	**0.0184**	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	N/A
Ba	<0.0010	Hg	*	Pd	<0.0010	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	**0.0028**	Ti	<0.0012
Bi	<0.0010	In	**0.0020**	Pt	<0.0010	Tl	<0.0011
Ca	<0.0135	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	<0.0024	Re	<0.0010	U	<0.0010
Ce	<0.0010	La	<0.0010	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	<0.0010
Cs	<0.0010	Mg	<0.0020	Sb	<0.0010	Yb	<0.0010
Cu	<0.0010	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.1	Zr	<0.0010
Er	<0.0010	Na	<0.0025	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist

Certification Date: June 30, 2021

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter* ***SCP SCIENCE***.

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité* ***enregistré*** *à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: SCP SCIENCE (Corporate Headquarters) operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)*** *est* ***accréditée*** *ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)*** *est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Fax: +33 (0) 1 60 92 05 67

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Alte Marktoberdorfer Straße 14, 87616
Marktoberdorf
Phone: +49 (0) 8342-89560-61
Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID: ME220114A TUNE SOLUTION
Standard Name: Tune Solution
Type: Secondary
Date Prepared: 1/14/2022
BY: Stacy R. Hendricks
Date Expires: 12/7/2022
Department: ME
Status: Open
Vendor:
Lot Number:
Balance ID:

Comments: All elements except Be at 10 ppb. Be is spiked at 210 ppb.

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Nitric Acid, 69.0-70.0%,0000282671	14178	5	mL	4/11/
Milli-Q H2O	391	493	mL	6/1/2
Multi Analyte Custom Grade Solution	13795	0.5	mL	12/7/
Beryliium Single Analyte Custom Grad	14679	0.2	mL	9/17/

Final Volume: 500 mL

Stock Source	Base Units	Amount Added
ME220114 TUNE S Tune Solution Stock	ug/mL	1 mL

Analytes	CAS	Conc: ug/mL

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 USA

CERTIFICATE OF ANALYSIS

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	2008TS
Lot Number:	R2-MEB691898
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	10 µg/mL ea: Beryllium, Indium, Lead, Cobalt, Magnesium,

ID #: 13795
Opened:
Multi Analyte Custom Grade Solution
Expires: 4/8/2024
Rec'd: 4/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Beryllium, Be	10.01 ± 0.06 µg/mL	Cobalt, Co	10.01 ± 0.04 µg/mL
Indium, In	10.01 ± 0.04 µg/mL	Lead, Pb	10.01 ± 0.04 µg/mL
Magnesium, Mg	10.01 ± 0.05 µg/mL		

Density: 1.014 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Be	ICP Assay	3105a	090514
Co	EDTA	928	928
Co	ICP Assay	traceable to 3113	M2-CO661665
Co	Calculated		See Sec. 4.2
In	ICP Assay	3124a	110516
In	EDTA	928	928
In	Calculated		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mg	Calculated		See Sec. 4.2
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Pb	Calculated		See Sec. 4.2

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 08, 2020

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- April 08, 2024

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Manager, Quality Control

Michael 2 Booth

Certifying Officer:

Paul Gaines
CEO, Senior Technical Director

Paul R Gaines

INORGANIC VENTURES
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Certificate of Analysis

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGBE1
Lot Number:	S2-BE708103
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Beryllium
Starting Material:	Beryllium Acetate
Starting Material Lot#:	2354
Starting Material Purity:	99.9997%

ID #: 14679
Opened: _____
Beryllium Single Analyte Custom Grade Solut
Expires: 9/17/2026
Rec'd: 12/28/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.020 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1003 ± 5 µg/mL**
ICP Assay NIST SRM 3105a Lot Number: 090514

Assay Method #2 **1002 ± 6 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000940	M	Eu	<	0.000240	O	Na		0.003944	M	Se	<	0.018000	O	Zn	0.001126
M	Al		0.005019	O	Fe		0.001024	M	Nb	<	0.000240	O	Si		0.021513	M	Zr	< 0.000470
M	As	<	0.005500	M	Ga	<	0.000710	M	Nd	<	0.000240	M	Sm	<	0.000240			
M	Au	<	0.000240	M	Gd	<	0.000240	M	Ni	<	0.004700	M	Sn	<	0.003300			
M	B	<	0.045000	M	Ge	<	0.003100	M	Os	<	0.000240	M	Sr	<	0.001900			
M	Ba	<	0.001900	M	Hf	<	0.000240	O	P	<	0.130000	M	Ta	<	0.000240			
s	Be	<		M	Hg	<	0.000470	M	Pb	<	0.000470	M	Tb	<	0.000240			
M	Bi	<	0.003300	M	Ho	<	0.000240	M	Pd	<	0.000470	M	Te	<	0.009700			
O	Ca		0.002919	M	In	<	0.001900	M	Pr	<	0.000240	M	Th	<	0.000240			
M	Cd	<	0.000470	M	Ir	<	0.000240	M	Pt	<	0.000240	O	Ti	<	0.003600			
M	Ce	<	0.000240	M	K		0.004968	M	Rb	<	0.001500	M	Tl	<	0.000240			
O	Co	<	0.002100	M	La	<	0.000240	M	Re	<	0.000240	M	Tm	<	0.000240			
O	Cr	<	0.002100	M	Li	<	0.002200	M	Rh	<	0.000240	M	U	<	0.000240			
M	Cs		0.000133	M	Lu	<	0.000240	M	Ru	<	0.000710	M	V	<	0.001500			
O	Cu	<	0.013000	O	Mg		0.000819	i	S	<		M	W	<	0.001700			
M	Dy	<	0.000240	O	Mn	<	0.001900	M	Sb	<	0.000940	M	Y	<	0.000940			
M	Er	<	0.000240	M	Mo	<	0.001700	M	Sc	<	0.003600	M	Yb	<	0.000240			

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 9.01 ; +2 ; 4 ; Be(H2O)4+2

Chemical Compatibility -Soluble in HCl, HNO3, H2SO4 and HF aqueous matrices. Stable with all metals and inorganic anions.

Stability - 2-100 ppb levels stable for months in 1 % HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 5-10 % HNO3 / LDPE container.

Be Containing Samples (Preparation and Solution) - Meta l(is best dissolved in diluted H2SO4); BeO (boiling nitric, hydrochloric, or sulfuric acids or KHSO4 fusion); Ores (H2SO4/HF digestion or carbonate fusion in Pt0); Organic Matrices (sulfuric/peroxide digestion or nitric/sulfuric/perchloric acid decomposition, or dry ash and dissolution according to the BeO procedure above).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 9 amu	4 ppt	N/A	
ICP-OES 234.861 nm	0.0003/0.00016 µg/mL	1	Fe, Ta, Mo
ICP-OES 313.042 nm	0.0003/0.00009 µg/mL	1	V, Ce, U
ICP-OES 313.107 nm	0.0007/0.0005 µg/mL	1	Ce, Th, Tm

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 17, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 17, 2026

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

Energy Laboratories Inc

Standard LOG

Standard ID: ME220114 TUNE STOCK
Standard Name: Tune Solution Stock
Date Prepared: 1/14/2022
Date Expires: 12/22/2022
Department: ME
Vendor:
Lot Number:
Balance ID:

Type: Secondary
BY: Stacy R. Hendricks
Status: Open

Comments: Solution is 1% HNO3 preserved

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Nitric Acid Instra Analyzed 000026478	13061	5	mL	5/12/
Milli-Q H2O	391	482.25	mL	6/1/2
Yittrium Single Analyte Custom Grade	14210	2.5	mL	1/25/
Cerium PlasmaCal Standard	14327	2.5	mL	12/22
Cobalt Single Analyte Custom Grade S	14683	2.5	mL	3/22/
Lithium Single Analyte Custom Grade	14687	2.5	mL	2/11/
Magnesium Single Analyte Custom Gr	14688	0.25	mL	4/23/
Thallium Single Analyte Custom Grade	14693	2.5	mL	8/5/2

Final Volume: 500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 • USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 • 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGY1
Lot Number:	S2-Y700840
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Yttrium
Starting Material:	Yttrium Oxide
Starting Material Lot#:	623052
Starting Material Purity:	99.9991%

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1000 ± 4 µg/mL

Density: 1.011 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**999 ± 3 µg/mL** EDTA NIST SRM 928 Lot Number: 928
Assay Method #2	**1000 ± 5 µg/mL** ICP Assay NIST SRM 3167a Lot Number: 120314
Assay Method #3	**1001 ± 3 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

ID #: 14210
Opened:_____
Yttrium Single Analyte Custom Grade Solutio
Expires: 1/25/2025
Rec'd: 8/27/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.038000	M	Eu		0.002235	O	Na	<	0.060000	M	Se	<	0.027000	O	Zn	0.002642
O	Al	<	0.016000	O	Fe		0.000193	M	Nb	<	0.000570	O	Si		0.003658	O	Zr	< 0.012000
M	As	<	0.002300	M	Ga	<	0.000570	M	Nd	<	0.000570	M	Sm	<	0.000570			
M	Au	<	0.008000	M	Gd	<	0.000570	M	Ni	<	0.004600	M	Sn	<	0.001800			
O	B	<	0.022000	M	Ge	<	0.001200	M	Os	<	0.000570	O	Sr	<	0.003100			
M	Ba	<	0.001200	M	Hf	<	0.000570	n	P	<		M	Ta	<	0.000570			
O	Be	<	0.002900	M	Hg	<	0.002900	M	Pb		0.000833	M	Tb	<	0.000570			
M	Bi	<	0.005600	M	Ho		0.001524	i	Pd	<		M	Te	<	0.006900			
O	Ca		0.000304	M	In	<	0.002500	M	Pr	<	0.000570	M	Th	<	0.000570			
M	Cd	<	0.000570	M	Ir	<	0.000570	M	Pt	<	0.000570	M	Ti	<	0.005700			
M	Ce	<	0.000570	O	K		0.001117	M	Rb	<	0.001400	M	Tl	<	0.000570			
M	Co	<	0.000570	M	La	<	0.000570	M	Re	<	0.000570	M	Tm	<	0.001200			
M	Cr	<	0.003500	O	Li	<	0.004200	M	Rh	<	0.011000	M	U	<	0.000570			
M	Cs	<	0.005700	M	Lu	<	0.000570	M	Ru	<	0.000570	O	V	<	0.013000			
M	Cu		0.000365	O	Mg		0.000223	n	S	<		M	W	<	0.006900			
M	Dy		0.000508	O	Mn	<	0.001400	M	Sb		0.000365	s	Y	<				
M	Er		0.000197	M	Mo	<	0.006200	O	Sc	<	0.011000	M	Yb	<	0.003500			

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 88.91 +3 6 Y(OH)(H2O)x+2

Chemical Compatibility -Soluble in HCl, H2SO4 and HNO3. Avoid HF, H3PO4 and neutral to basic media. Stable with most metals and inorganic anions forming an insoluble carbonate, oxide, oxalate, and fluoride. Avoid mixing with elements / solutions containing moderate amounts of fluoride.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

Y Containing Samples (Preparation and Solution) - Metal (Soluble in acids); Oxide (Dissolve by heating in H2O/ HNO3); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Dry ash and dissolve in 1:1 H2O / HCl or HNO3).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 89 amu	0.8 ppt	N/A	73Ge16O, 178Hf+2
ICP-OES 360.073 nm	0.005 / 0.000036 µg/mL	1	Ce, Th
ICP-OES 371.030 nm	0.004 / 0.00007 µg/mL	1	Ce
ICP-OES 377.433 nm	0.005 / 0.0009 µg/mL	1	Ta, Th

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 25, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- January 25, 2025

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

SCP SCIENCE

Providing Innovative Solutions to Analytical Chemists

Certificate of Analysis

1.0 DESCRIPTION:

	***Plasma*CAL ICP/ICPMS Standard - Cerium 1000 µg/ml**
Catalogue Number:	140-051-580/-581/-585
Starting Material:	Cerium(III) Nitrate Hexahydrate 99.99+%
Lot Number:	**S210208003**
Matrix:	4% HNO_3 (See Section 3 for actual matrix)
Expiration Date (End of month):	**February 2023** (or 15 months after bottle is opened, whichever comes first)

Ce

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1003 µg/ml +/- 4 µg/ml**
982 µg/g +/- 4 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3110 Lot: **090504**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.021 g/ml @ 22.5 °C**

Actual Matrix: **4.0% (v/v) HNO_3**

ID #: 14327
Opened: _____
Cerium PlasmaCal Standard
Expires: 2/28/2023
Rec'd: 9/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	<0.0010	Fe	<0.0018	Nd	**0.0102**	Sn	<0.0010
Al	**0.0148**	Ga	**0.0526**	Ni	**0.0064**	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	<0.0010	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	*	Pd	<0.0010	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	**0.0235**	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	<0.0010	Tl	<0.0011
Ca	**0.0375**	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	<0.0024	Re	<0.0010	U	<0.0010
Ce	N/A	La	<0.10	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	<0.0010
Cs	<0.0010	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0121**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.0010	Zr	<0.0010
Er	<0.0010	Na	<0.0010	Si	<0.10		
Eu	**0.0035**	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Yaling Sui, Chemist

Certification Date: February 22, 2021

Yaling Sui

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: SCP SCIENCE (Corporate Headquarters) operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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info@inorganicventures.com

Certificate of Analysis

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGCO1
Lot Number:	S2-CO702699
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Cobalt
Starting Material:	Co Metal
Starting Material Lot#:	2326
Starting Material Purity:	99.9934%

ID #: 14683
Opened:
Cobalt Single Analyte Custom Grade Solution
Expires: 3/22/2025
Rec'd: 12/28/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 998 ± 3 µg/mL

Density: 1.018 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**994 ± 5 µg/mL** ICP Assay NIST SRM 3113 Lot Number: 190630
Assay Method #2	**997 ± 3 µg/mL** EDTA NIST SRM 928 Lot Number: 928
Assay Method #3	**1001 ± 3 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag		0.001515	M	Eu	<	0.000590	O	Na		0.000778	M	Se	<	0.019000	M	Zn		0.000357
M	Al	<	0.024000	M	Fe		0.005262	M	Nb	<	0.000590	O	Si		0.007789	M	Zr	<	0.001200
i	As	<		M	Ga	<	0.000590	M	Nd	<	0.000590	M	Sm	<	0.000590				
M	Au	<	0.004100	M	Gd	<	0.000590	O	Ni		0.044207	M	Sn	<	0.001200				
M	B	<	0.031000	M	Ge	<	0.003000	M	Os	<	0.000590	O	Sr	<	0.000260				
M	Ba	<	0.000590	M	Hf	<	0.000590	n	P	<		M	Ta	<	0.001200				
O	Be	<	0.001300	M	Hg	<	0.001800	M	Pb		0.000336	M	Tb	<	0.000590				
M	Bi	<	0.003000	M	Ho	<	0.000590	M	Pd	<	0.000590	M	Te	<	0.005300				
O	Ca		0.001094	M	In	<	0.001200	M	Pr	<	0.000590	M	Th	<	0.000590				
M	Cd	<	0.004700	M	Ir	<	0.001200	M	Pt	<	0.002400	M	Ti	<	0.014000				
M	Ce	<	0.000590	O	K		0.000842	M	Rb	<	0.000590	M	Tl		0.000273				
s	Co	<		M	La	<	0.000590	M	Re	<	0.000590	M	Tm	<	0.000590				
M	Cr	<	0.021000	O	Li	<	0.000130	M	Rh	<	0.000590	M	U	<	0.000590				
M	Cs	<	0.002400	M	Lu	<	0.000590	M	Ru	<	0.007100	O	V	<	0.000880				
M	Cu		0.019577	O	Mg		0.000195	n	S	<		M	W	<	0.000590				
M	Dy	<	0.000590	M	Mn	<	0.001800	M	Sb	<	0.003600	M	Y	<	0.000590				
M	Er	<	0.000590	M	Mo	<	0.002400	O	Sc	<	0.001600	M	Yb	<	0.000590				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 58.93 +2 6 $Co(H_2O)_6^{2+}$

Chemical Compatibility -Stable in HCl, HNO_3, H_2SO_4 ,HF, H_3PO_4. Avoid basic media. Stable with most metals and inorganic anions in acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO_3 / LDPE container.

Co Containing Samples (Preparation and Solution) - Metal (soluble in HNO_3); Oxides (Soluble in HCl); Ores (dissolve in HCl / HNO_3).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 59 amu	2 ppt	n/a	42Ca16O1H , 40Ar18O1H , 36Ar23Na, 43Ca16O, 24Mg35Cl
ICP-OES 228.616 nm	0.01/0.001 µg/mL	1	
ICP-OES 237.862 nm	0.01/0.002 µg/mL	1	W, Re, Al, Ta
ICP-OES 238.892 nm	0.01/0.002 µg/mL	1	Fe, W, Ta

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 - USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 - 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGLI1
Lot Number:	S2-LI701641
Matrix:	0.1% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Lithium
Starting Material:	Lithium Carbonate
Starting Material Lot#:	1613
Starting Material Purity:	99.9962%

ID #: 14687
Opened:
Lithium Single Analyte Custom Grade Solution
Expires: 2/11/2025
Rec'd: 12/28/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1000 ± 3 µg/mL

Density: 1.005 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**997 ± 4 µg/mL** ICP Assay NIST SRM 3129a Lot Number: 100714
Assay Method #2	**1000 ± 1 µg/mL** Gravimetric NIST SRM Lot Number: See Sec. 4.2
Assay Method #3	**1001 ± 3 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000500	M	Eu	<	0.000500	O	Na		0.018534	M	Se	<	0.011000	M	Zn		0.003494
O	Al		0.000741	O	Fe		0.004342	M	Nb	<	0.000500	M	Si		0.111204	M	Zr	<	0.002000
M	As	<	0.011000	M	Ga	<	0.000500	M	Nd	<	0.000500	M	Sm	<	0.000500				
M	Au	<	0.010000	M	Gd	<	0.000500	M	Ni	<	0.007000	M	Sn	<	0.001000				
O	B		0.000503	M	Ge	<	0.004500	M	Os	<	0.001000	M	Sr		0.000243				
O	Ba		0.000381	M	Hf	<	0.000500	O	P	<	0.045000	M	Ta	<	0.000500				
O	Be		0.000046	M	Hg	<	0.000500	M	Pb	<	0.003000	M	Tb	<	0.000500				
M	Bi	<	0.000500	M	Ho	<	0.000500	M	Pd	<	0.000500	M	Te	<	0.005000				
O	Ca		0.058249	M	In	<	0.000500	M	Pr	<	0.000500	M	Th	<	0.000500				
M	Cd	<	0.000500	M	Ir	<	0.000500	M	Pt	<	0.000500	M	Ti	<	0.002500				
M	Ce	<	0.000500	O	K		0.029124	M	Rb	<	0.001000	M	Tl	<	0.000500				
M	Co	<	0.000500	M	La	<	0.000500	M	Re	<	0.000500	M	Tm	<	0.000500				
M	Cr		0.000153	s	Li	<		M	Rh	<	0.000500	M	U	<	0.000500				
M	Cs	<	0.000500	M	Lu	<	0.000500	M	Ru	<	0.000500	M	V		0.000953				
M	Cu	<	0.002000	O	Mg		0.011649	O	S		0.031772	M	W	<	0.001000				
M	Dy	<	0.000500	O	Mn		0.000164	M	Sb	<	0.003000	M	Y	<	0.000500				
M	Er	<	0.000500	M	Mo	<	0.000500	M	Sc	<	0.001500	M	Yb	<	0.000500				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 6.94 +1 (6) Li+(aq) large effective radius due to hydration sphere

Chemical Compatibility -Soluble in HCl, HNO3, H2SO4 and HF aqueous matrices. Stable with all metals and inorganic anions.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-5% HNO3 / LDPE container.

Li Containing Samples (Preparation and Solution) -Metal (Dissolves very rapidly in water); Ores (Sodium carbonate fusion in Pt0 followed by HCl dissolution-blank levels of Li in sodium carbonate critical); Organic Matrices (Sulfuric / peroxide digestion or nitric / sulfuric / perchloric acid decomposition).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 7 amu	10 ppt	n/a	
ICP-OES 323.261 nm	1.1 / 0.05 micro;g/mL	1	Sb, Th, Ni
ICP-OES 460.286 nm	0.9 / 0.04 µg/mL	1	Zr, Th
ICP-OES 670.784 nm	0.002 / 0.00002 µg/mL	1	2nd order radiation from R.E.s on some optical designs

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

February 11, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- February 11, 2025

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

INORGANIC VENTURES
Refine your results. Redefine your industry.

Certificate of Analysis

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1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGMG10
Lot Number:	S2-MG704239
Matrix:	2% (v/v) HNO3
Value / Analyte(s):	10 000 µg/mL ea: Magnesium
Starting Material:	Magnesium Metal
Starting Material Lot#:	2168
Starting Material Purity:	99.9984%

ID #: 14688
Opened:
Magnesium Single Analyte Custom Grade Sol
Expires: 4/23/2025
Rec'd: 12/28/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 10053 ± 30 µg/mL

Density: 1.053 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**10022 ± 62 µg/mL** ICP Assay NIST SRM 3131a Lot Number: 140110
Assay Method #2	**10078 ± 26 µg/mL** EDTA NIST SRM 928 Lot Number: 928
Assay Method #3	**10033 ± 26 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Ag		0.002106	M	Eu	<	0.000910	O	Na		0.071075	O	Se	<	0.048000	O	Zn	0.003299
M	Al		0.003553	M	Fe		0.002538	M	Nb	<	0.000460	O	Si	<	0.032000	O	Zr	< 0.002700
M	As	<	0.001400	M	Ga	<	0.000460	M	Nd	<	0.000910	M	Sm	<	0.000460			
M	Au	<	0.001400	M	Gd	<	0.000460	O	Ni	<	0.001600	M	Sn	<	0.002300			
O	B		0.006853	M	Ge	<	0.001400	M	Os	<	0.000460	O	Sr		0.000279			
O	Ba		0.000964	M	Hf	<	0.000460	O	P		0.015230	M	Ta	<	0.000460			
O	Be	<	0.000120	M	Hg	<	0.000460	M	Pb	<	0.000460	M	Tb	<	0.000460			
M	Bi	<	0.000460	M	Ho	<	0.000460	M	Pd	<	0.003200	M	Te	<	0.007300			
O	Ca		0.053306	M	In	<	0.000460	M	Pr	<	0.000460	M	Th	<	0.000460			
O	Cd	<	0.000360	M	Ir	<	0.000460	M	Pt	<	0.001900	O	Ti	<	0.001700			
M	Ce	<	0.002300	M	K		0.048229	M	Rb		0.002411	M	Tl		0.003046			
M	Co	<	0.000910	M	La	<	0.002800	M	Re	<	0.000460	M	Tm	<	0.000460			
M	Cr	<	0.002300	O	Li		0.027922	M	Rh	<	0.000460	M	U	<	0.000460			
M	Cs		0.001040	M	Lu	<	0.000460	M	Ru	<	0.000460	M	V	<	0.000460			
O	Cu	<	0.003000	s	Mg	<		O	S	<	0.190000	M	W	<	0.000460			
M	Dy	<	0.000460	O	Mn		0.015230	M	Sb		0.020814	O	Y	<	0.000720			
M	Er	<	0.000460	M	Mo	<	0.000910	O	Sc	<	0.000480	M	Yb	<	0.000460			

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 24.31 +2 6 $Mg(H_2O)_6^{+2}$

Chemical Compatibility -Soluble in HCl, HNO_3, and H_2SO_4 avoid HF, H_3PO_4 and neutral to basic media. Stable with most metals and inorganic anions forming insoluble silicates, carbonates, hydroxides, oxides, and tungstates in neutral and slightly acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO_3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 1-10% HNO_3 / LDPE container.

Mg Containing Samples (Preparation and Solution) -Metal (Best dissolved in diluted HNO_3); Oxide (Readily soluble in above compatible aqueous acidic solutions); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Sulfuric / peroxide digestion or nitric / sulfuric / perchloric acid decomposition, or dry ash and dissolution in dilute HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	**Estimated D.L.**	**Order**	**Interferences** (underlined indicates severe)
ICP-MS 24 amu	42 ppt	n/a	7Li17O, 48Ti+2 , 48Ca+2
ICP-OES 279.553 nm	0.0002 / 0.00003 µg/mL	1	Th
ICP-OES 280.270 nm	0.0003 / 0.00005 µg/mL	1	U, V
ICP-OES 285.213 nm	0.002 / 0.00003 µg/mL	1	U, Hf, Cr, Zr

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 23, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **April 23, 2025**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 - USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 - 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 — ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTL1
Lot Number:	R2-TL694852
Matrix:	1% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Thallium
Starting Material:	TlNO3
Starting Material Lot#:	2118
Starting Material Purity:	99.9998%

ID #: 14693
Opened:
Thallium Single Analyte Custom Grade Solutic
Expires: 8/5/2024
Rec'd: 12/28/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 5 µg/mL

Density: 1.005 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 — **1003 ± 4 µg/mL**
ICP Assay NIST SRM 3158 Lot Number: 151215

Assay Method #2 — **1000 ± 7 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000200	M	Eu	<	0.000200	O	Na		0.000256	M	Se	<	0.011019	O	Zn	0.000236
O	Al	<	0.004184	O	Fe	<	0.002824	M	Nb	<	0.000200	O	Si		0.000387	M	Zr	< 0.000200
M	As	<	0.002003	M	Ga	<	0.000200	M	Nd	<	0.000200	M	Sm	<	0.000200			
O	Au	<	0.002824	M	Gd	<	0.000200	M	Ni		0.000177	M	Sn	<	0.000601			
O	B	<	0.004184	M	Ge	<	0.000801	M	Os	<	0.000198	O	Sr	<	0.000313			
M	Ba	<	0.000400	M	Hf	<	0.000200	O	P	<	0.010460	M	Ta	<	0.000200			
O	Be	<	0.000104	M	Hg	<	0.000794	M	Pb		0.000083	M	Tb	<	0.000200			
M	Bi	<	0.005209	M	Ho	<	0.000200	M	Pd	<	0.000400	M	Te	<	0.005008			
O	Ca		0.000250	M	In	<	0.000200	M	Pr	<	0.000200	M	Th	<	0.000200			
M	Cd		0.000135	M	Ir	<	0.000198	M	Pt	<	0.000801	O	Ti	<	0.001255			
M	Ce	<	0.000200	O	K		0.000636	M	Rb	<	0.000200	s	Tl	<				
M	Co	<	0.000601	M	La	<	0.000200	M	Re	<	0.000200	M	Tm	<	0.000200			
M	Cr	<	0.000801	O	Li	<	0.000177	M	Rh	<	0.000200	M	U	<	0.000200			
M	Cs	<	0.003606	M	Lu	<	0.000200	M	Ru	<	0.000397	M	V	<	0.002203			
M	Cu	<	0.001001	O	Mg		0.000054	O	S	<	0.015690	M	W	<	0.000601			
M	Dy	<	0.000200	M	Mn	<	0.000801	M	Sb	<	0.000400	M	Y	<	0.000200			
M	Er	<	0.000200	M	Mo	<	0.001202	O	Sc	<	0.000711	M	Yb	<	0.000200			

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 204.38 +1 6 Tl(H2O)61+

Chemical Compatibility - Soluble in HCl, HNO3, and H2SO4. Stable with most metals and inorganic anions. The sulfite, thiocyanate and oxalate are moderately soluble; the phosphate and arsenite are slightly soluble and the sulfide is insoluble.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

Tl Containing Samples (Preparation and Solution) -Metal (Best dissolved in HNO3 which forms chiefly the Tl1+ ion.); Oxide (The thallous oxide is readily soluble in water. The thallic oxide requires high levels of acid); Ores (Carbonate fusion in Pt0 followed by HCl dissolution); Organic Matrices (Sulfuric/peroxide digestion or dry ash and dissolution in HCl).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 205 amu	2 ppt	N/A	189Os16O
ICP-OES 190.864 nm	0.04 / 0.004 µg/mL	1	V, Ti
ICP-OES 276.787 nm	0.1 / 0.01 µg/mL	1	Ta, V, Fe, Cr
ICP-OES 351.924 nm	0.2 / 0.02 µg/mL	1	Th, Ce, Zr

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

August 05, 2020

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **August 05, 2024**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Energy Laboratories Inc

Standard LOG

Standard ID: ME220112A 1000 PPB STANDARD
Standard Name 1000 PPB Standard
Type: Secondary
Date Prepared 1/12/2022
BY: Cindy Rohrer
Date Expires: 11/18/2022
Department ME
Status: Open
Vendor:
Lot Number:
Balance ID:

Comments: Made fresh daily

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Hydrochloric Acid E1421	14721	0.25	mL	1/4/2027
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Milli-Q H2O	391	48.25	mL	6/1/2100

Final Volume:
50 mL

Stock Source		**Base Units**	**Amount Added**
ME211208 MSCAL	MSCAL 2B	ug/mL	0.5 mL
ME211118 MSCAL	EL-MSCAL-5A	ug/mL	0.5 mL
ME211229A AU 2n	Au 2nd source Stock	ug/mL	0.01 mL

Analytes	**CAS**	Conc:	**mg/L**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211208 MSCAL2B		
Standard Name	MSCAL 2B	Type:	Primary
Date Prepared	12/8/2021	BY:	Stacy R. Hendricks
Date Expires:	12/8/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	S2-MEB704403		
Balance ID:			
Comments:	Opened 12/08/2021; Expires 12/08/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Multi Analyte Custom Grade Solution	13793		mL	12/8/2022

Final Volume: mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES™
Refine your results. Redefine your industry.

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

Certificate of Analysis

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	EL-MSCAL-2B
Lot Number:	S2-MEB704403
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea:

Aluminum, Arsenic,
Boron, Barium,
Beryllium, Cadmium,
Cobalt, Chromium,
Copper, Iron,
Manganese, Nickel,
Lead, Selenium,
Strontium, Thorium,
Thallium, Uranium,
Vanadium, Zinc,

40 µg/mL ea:
Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ID #: 13793
Opened:
Multi Analyte Custom Grade Solution
Expires: 4/21/2025
Rec'd: 4/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	100.0 ± 0.4 µg/mL	Arsenic, As	100.0 ± 0.9 µg/mL
Barium, Ba	100.0 ± 0.5 µg/mL	Beryllium, Be	100.0 ± 0.7 µg/mL
Boron, B	100.0 ± 0.7 µg/mL	Cadmium, Cd	100.0 ± 0.5 µg/mL
Chromium, Cr	100.0 ± 0.8 µg/mL	Cobalt, Co	100.0 ± 0.6 µg/mL
Copper, Cu	100.0 ± 0.5 µg/mL	Iron, Fe	100.1 ± 0.4 µg/mL
Lead, Pb	100.0 ± 0.6 µg/mL	Manganese, Mn	100.0 ± 0.5 µg/mL
Nickel, Ni	100.0 ± 0.6 µg/mL	Selenium, Se	100.0 ± 0.7 µg/mL
Silver, Ag	39.99 ± 0.18 µg/mL	Strontium, Sr	100.0 ± 0.4 µg/mL
Thallium, Tl	100.0 ± 0.6 µg/mL	Thorium, Th	100.0 ± 0.5 µg/mL
Uranium, U	100.0 ± 0.5 µg/mL	Vanadium, V	100.0 ± 0.5 µg/mL
Zinc, Zn	100.0 ± 0.5 µg/mL		

Density: 1.033 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
B	ICP Assay	3107	110830
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Sr	Calculated		See Sec. 4.2
Th	EDTA	928	928
Th	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
U	ICP Assay	3164	080521
U	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.24 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 21, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- April 21, 2025

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211118 MSCAL-5A		
Standard Name	EL-MSCAL-5A	Type:	Primary
Date Prepared	11/18/2021	BY:	Stacy R. Hendricks
Date Expires:	11/18/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	P2-MEB687200		
Balance ID:			
Comments:	Opened 11/18/2021; Expires 11/18/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Multi Analyte Custom Grade Solution	13175	500	mL	11/18/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 · 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	EL-MSCAL-5A
Lot Number:	P2-MEB687200
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 500 µg/mL ea: Phosphorus, Iron, 250 µg/mL ea: Lithium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Calcium, Ca	**5 000 ± 20 µg/mL**	**Iron, Fe**	**499.9 ± 2.1 µg/mL**
Lithium, Li	**250.0 ± 1.1 µg/mL**	**Magnesium, Mg**	**5 000 ± 21 µg/mL**
Phosphorus, P	**499.8 ± 2.5 µg/mL**	**Potassium, K**	**5 000 ± 18 µg/mL**
Sodium, Na	**5 000 ± 18 µg/mL**		

Density: 1.076 g/mL (measured at 20 ± 4 °C)

Assay Information:

ID #: 13175
Opened:
Multi Analyte Custom Grade Solution
Expires: 12/2/2023
Rec'd: 10/12/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed outer bag.

- While stored in the sealed outer bag, transpiration of this CRM/RM is negligible. After opening the sealed outer bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed outer bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; Inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

December 02, 2019

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- December 02, 2023

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed outer Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Manager, Quality Control

Certifying Officer:

Paul Gaines
CEO, Senior Technical Director

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211229A AU 2ND SOURCE		
Standard Name	Au 2nd source Stock	Type:	Primary
Date Prepared	12/29/2021	BY:	Amanda E. McDani
Date Expires:	12/29/2022		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S211129013		
Balance ID:			
Comments:	opened 12/29/2021; expires 12/29/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
ICP/ICPMS Standard Gold	14710	500	mL	12/29/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

ID #: 14710
Opened:
ICP/ICPMS Standard Gold
Expires: 12/31/2023
Rec'd: 12/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

SCP SCIENC
Providing Innovative Solutions to Analytical

Certificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Gold 1000 µg/ml

Au

Catalogue Number: 140-052-790/-791/-795
Starting Material: Gold Metal 99.99+%
Lot Number: **S211129013**
Matrix: 10% HCl (See Section 3 for actual matrix)
Expiration Date (End of month): **December 2023** (or 15 months after bottle is opened, whichever comes first)

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1001 µg/ml +/- 4 µg/ml**
982 µg/g +/- 4 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3121 Lot: **991806**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.019 g/ml @ 22.4 °C**
Actual Matrix: **10.0% (v/v) HCl**

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	**0.3851**	Fe	<0.0090	Nd	<0.0010	Sn	<0.0010
Al	**0.0062**	Ga	<0.0010	Ni	<0.0010	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	N/A	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	*	Pd	**0.0434**	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	**0.0048**	Tl	<0.0011
Ca	<0.0135	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	**0.0362**	Re	<0.0010	U	<0.0010
Ce	<0.0010	La	<0.0010	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	<0.0010
Cs	**0.0029**	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0023**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.01	Zr	<0.0010
Er	<0.0010	Na	**0.0070**	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist
Certification Date: December 10, 2021

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: **SCP SCIENCE (Corporate Headquarters)** operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Fax: +33 (0) 1 60 92 05 67

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Alte Marktoberdorfer Straße 14, 87616
Marktoberdorf
Phone: +49 (0) 8342-89560-61
Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID:	ME220112 100 PPB STANDARD		
Standard Name	100 ppb Standard	Type:	Secondary
Date Prepared	1/12/2022	BY:	Cindy Rohrer
Date Expires:	11/18/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			

Comments: Made Fresh Daily

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Hydrochloric Acid E1421	14721	0.25	mL	1/4/2027
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Milli-Q H2O	391	48.335	mL	6/1/2100

Final Volume:
50 mL

Stock Source		**Base Units**	**Amount Added**
ME211221 MSCAL	MSCAL 3C	ug/mL	0.05 mL
ME211118 MSCAL	EL-MSCAL-5A	ug/mL	0.25 mL
ME220105 HgPrim	Primary Hg Stock 2 PPM	ug/mL	0.05 mL
ME211208 MSCAL	MSCAL 2B	ug/mL	0.05 mL
ME211229A AU 2n	Au 2nd source Stock	ug/mL	0.01 mL
ME220110 Ce, La	Ce, La Primary	ug/mL	0.05 mL

Analytes	**CAS**	Conc:	**mg/L**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211221 MSCAL 3C		
Standard Name	MSCAL 3C	Type:	Primary
Date Prepared	12/21/2021	BY:	Stacy R. Hendricks
Date Expires:	12/21/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	S2-MEB700780		
Balance ID:			
Comments:	Opened 12/21/21; expires 12/21/22		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Multi Analyte Custom Grade Solution	13473	250	mL	12/21/2022

Final Volume:
250 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES

CERTIFICATE OF ANALYSIS

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	EL-MSCAL-3C
Lot Number:	S2-MEB700780
Matrix:	3% (v/v) HNO3 tr. HF
Value / Analyte(s):	400 µg/mL ea: Silicon, 100 µg/mL ea: Tin, Molybdenum, Titanium, Antimony

1-6-2025

ID #: 13473
Opened:_____
Multi Analyte Custom Grade Solution
Expires: 1/6/2025
Rec'd: 1/15/2021
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	100.0 ± 0.8 µg/mL	Molybdenum, Mo	100.0 ± 0.6 µg/mL
Silicon, Si	399.9 ± 3.0 µg/mL	Tin, Sn	100.0 ± 0.6 µg/mL
Titanium, Ti	100.0 ± 0.7 µg/mL		

Density: 1.018 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Sb	ICP Assay	3102a	140911
Si	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 06, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- January 06, 2025

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211118 MSCAL-5A		
Standard Name	EL-MSCAL-5A	Type:	Primary
Date Prepared	11/18/2021	BY:	Stacy R. Hendricks
Date Expires:	11/18/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	P2-MEB687200		
Balance ID:			
Comments:	Opened 11/18/2021; Expires 11/18/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Multi Analyte Custom Grade Solution	13175	500	mL	11/18/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 · 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	EL-MSCAL-5A
Lot Number:	P2-MEB687200
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 500 µg/mL ea: Phosphorus, Iron, 250 µg/mL ea: Lithium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Calcium, Ca	**5 000 ± 20 µg/mL**	**Iron, Fe**	**499.9 ± 2.1 µg/mL**
Lithium, Li	**250.0 ± 1.1 µg/mL**	**Magnesium, Mg**	**5 000 ± 21 µg/mL**
Phosphorus, P	**499.8 ± 2.5 µg/mL**	**Potassium, K**	**5 000 ± 18 µg/mL**
Sodium, Na	**5 000 ± 18 µg/mL**		

Density: 1.076 g/mL (measured at 20 ± 4 °C)

Assay Information:

ID #: 13175
Opened:
Multi Analyte Custom Grade Solution
Expires: 12/2/2023
Rec'd: 10/12/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed outer bag.

- While stored in the sealed outer bag, transpiration of this CRM/RM is negligible. After opening the sealed outer bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed outer bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; Inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

December 02, 2019

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- December 02, 2023

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed outer Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Manager, Quality Control

Certifying Officer:

Paul Gaines
CEO, Senior Technical Director

Energy Laboratories Inc

Spike LOG

Standard ID:	ME220105 HGPRIMARY		
Standard Name	Primary Hg Stock 2 PPM	Type:	Secondary
Date Prepared	1/5/2022	BY:	Amanda E. McDani
Date Expires:	12/29/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			

Comments: Made with different HG stock than QCS

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Hydrochloric Acid E1421	14721	0.25	mL	1/4/2027

Final Volume: 25 mL

Stock Source		**Base Units**	**Amount Added**
ME220110HG	HG Stock	ug/mL	0.05 mL
ME211229A AU 2N	Au 2nd source Stock	ug/mL	0.05 mL

Analytes	**CAS**	Conc:	**ug/mL**

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Energy Laboratories Inc

Standard LOG

Standard ID:	ME220110HG		
Standard Name	HG Stock	Type:	Primary
Date Prepared	1/10/2022	BY:	Amanda E. McDani
Date Expires:	1/10/2023		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S210729017		
Balance ID:			

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
ICP/ICPMS Standard Mercury	14711	125	mL	1/10/2023

Final Volume:
125 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

ID #: 14711
Opened:
ICP/ICPMS Standard Mercury
Expires: 7/31/2023
Rec'd: 12/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

SCP SCIENCE
Providing Innovative Solutions to Analytical Chemists

rtificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Mercury 1000 µg/ml

Catalogue Number: 140-051-800/-801/-805
Starting Material: Mercury(II) oxide 99.99+%
Lot Number: **S210729017**
Matrix: 10% HNO_3 (See Section 3 for actual matrix)
Expiration Date (End of month): **July 2023** (or 15 months after bottle is opened, whichever comes first)

Hg

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **999 µg/ml +/- 5 µg/ml**
952 µg/g +/- 5 µg/g
Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)
Traceability: NIST Standard Reference Material 3133 Lot: **160921**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.050 g/ml @ 23.6 °C**
Actual Matrix: **10.0% (v/v) HNO_3**

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	<0.0010	Fe	**0.0322**	Nd	<0.0010	Sn	<0.0010
Al	**0.0042**	Ga	<0.0010	Ni	**0.0039**	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	<0.0010	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	N/A	Pd	<0.0010	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	<0.0010	Tl	**0.0117**
Ca	<0.0135	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	<0.0024	Re	<0.0010	U	<0.0010
Ce	<0.0010	La	<0.0010	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	**0.0112**	Lu	<0.0010	S	*	Y	<0.0010
Cs	<0.0010	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0060**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.0010	Zr	<0.0010
Er	<0.0010	Na	**0.0092**	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist
Certification Date: August 12, 2021

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ*:

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION*:

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ*:

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: **SCP SCIENCE (Corporate Headquarters)** operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : **SCP SCIENCE (Corporate Headquarters)** is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Phone: +49 (0) 8342-89560-61
Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211229A AU 2ND SOURCE		
Standard Name	Au 2nd source Stock	Type:	Primary
Date Prepared	12/29/2021	BY:	Amanda E. McDani
Date Expires:	12/29/2022		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S211129013		
Balance ID:			
Comments:	opened 12/29/2021; expires 12/29/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
ICP/ICPMS Standard Gold	14710	500	mL	12/29/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

ID #: 14710
Opened:
ICP/ICPMS Standard Gold
Expires: 12/31/2023
Rec'd: 12/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

SCP SCIENC
Providing Innovative Solutions to Analytical

Certificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Gold 1000 µg/ml

Catalogue Number: 140-052-790/-791/-795
Starting Material: Gold Metal 99.99+%
Lot Number: **S211129013**
Matrix: 10% HCl (See Section 3 for actual matrix)
Expiration Date (End of month): **December 2023** (or 15 months after bottle is opened, whichever comes first)

Au

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1001 µg/ml +/- 4 µg/ml**
982 µg/g +/- 4 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3121 Lot: **991806**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.019 g/ml @ 22.4 °C**
Actual Matrix: **10.0% (v/v) HCl**

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	**0.3851**	Fe	<0.0090	Nd	<0.0010	Sn	<0.0010
Al	**0.0062**	Ga	<0.0010	Ni	<0.0010	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	N/A	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	*	Pd	**0.0434**	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	**0.0048**	Tl	<0.0011
Ca	<0.0135	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	**0.0362**	Re	<0.0010	U	<0.0010
Ce	<0.0010	La	<0.0010	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	<0.0010
Cs	**0.0029**	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0023**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.01	Zr	<0.0010
Er	<0.0010	Na	**0.0070**	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist
Certification Date: December 10, 2021

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: **SCP SCIENCE (Corporate Headquarters)** operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Marktoberdorf
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Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211208 MSCAL2B		
Standard Name	MSCAL 2B	Type:	Primary
Date Prepared	12/8/2021	BY:	Stacy R. Hendricks
Date Expires:	12/8/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	S2-MEB704403		
Balance ID:			
Comments:	Opened 12/08/2021; Expires 12/08/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Multi Analyte Custom Grade Solution	13793		mL	12/8/2022

Final Volume: mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES™
Refine your results. Redefine your industry.

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

Certificate of Analysis

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	EL-MSCAL-2B
Lot Number:	S2-MEB704403
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea:

Aluminum, Arsenic,
Boron, Barium,
Beryllium, Cadmium,
Cobalt, Chromium,
Copper, Iron,
Manganese, Nickel,
Lead, Selenium,
Strontium, Thorium,
Thallium, Uranium,
Vanadium, Zinc,

40 µg/mL ea:
Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ID #: 13793
Opened:
Multi Analyte Custom Grade Solution
Expires: 4/21/2025
Rec'd: 4/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	100.0 ± 0.4 µg/mL	Arsenic, As	100.0 ± 0.9 µg/mL
Barium, Ba	100.0 ± 0.5 µg/mL	Beryllium, Be	100.0 ± 0.7 µg/mL
Boron, B	100.0 ± 0.7 µg/mL	Cadmium, Cd	100.0 ± 0.5 µg/mL
Chromium, Cr	100.0 ± 0.8 µg/mL	Cobalt, Co	100.0 ± 0.6 µg/mL
Copper, Cu	100.0 ± 0.5 µg/mL	Iron, Fe	100.1 ± 0.4 µg/mL
Lead, Pb	100.0 ± 0.6 µg/mL	Manganese, Mn	100.0 ± 0.5 µg/mL
Nickel, Ni	100.0 ± 0.6 µg/mL	Selenium, Se	100.0 ± 0.7 µg/mL
Silver, Ag	39.99 ± 0.18 µg/mL	Strontium, Sr	100.0 ± 0.4 µg/mL
Thallium, Tl	100.0 ± 0.6 µg/mL	Thorium, Th	100.0 ± 0.5 µg/mL
Uranium, U	100.0 ± 0.5 µg/mL	Vanadium, V	100.0 ± 0.5 µg/mL
Zinc, Zn	100.0 ± 0.5 µg/mL		

Density: 1.033 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
B	ICP Assay	3107	110830
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Sr	Calculated		See Sec. 4.2
Th	EDTA	928	928
Th	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
U	ICP Assay	3164	080521
U	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.24 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 21, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- April 21, 2025

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211229A AU 2ND SOURCE		
Standard Name	Au 2nd source Stock	Type:	Primary
Date Prepared	12/29/2021	BY:	Amanda E. McDani
Date Expires:	12/29/2022		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S211129013		
Balance ID:			
Comments:	opened 12/29/2021; expires 12/29/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
ICP/ICPMS Standard Gold	14710	500	mL	12/29/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

ID #: 14710
Opened:
ICP/ICPMS Standard Gold
Expires: 12/31/2023
Rec'd: 12/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

SCP SCIENC
Providing Innovative Solutions to Analytical

Certificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Gold 1000 µg/ml

Au

Catalogue Number: 140-052-790/-791/-795
Starting Material: Gold Metal 99.99+%
Lot Number: **S211129013**
Matrix: 10% HCl (See Section 3 for actual matrix)
Expiration Date (End of month): **December 2023** (or 15 months after bottle is opened, whichever comes first)

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1001 µg/ml +/- 4 µg/ml**
982 µg/g +/- 4 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3121 Lot: **991806**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.019 g/ml @ 22.4 °C**
Actual Matrix: **10.0% (v/v) HCl**

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	**0.3851**	Fe	<0.0090	Nd	<0.0010	Sn	<0.0010
Al	**0.0062**	Ga	<0.0010	Ni	<0.0010	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	N/A	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	*	Pd	**0.0434**	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	**0.0048**	Tl	<0.0011
Ca	<0.0135	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	**0.0362**	Re	<0.0010	U	<0.0010
Ce	<0.0010	La	<0.0010	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	<0.0010
Cs	**0.0029**	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0023**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.01	Zr	<0.0010
Er	<0.0010	Na	**0.0070**	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist
Certification Date: December 10, 2021

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
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- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: **SCP SCIENCE (Corporate Headquarters)** operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID:	ME220110 CE, LA PRIMARY		
Standard Name	Ce, La Primary	Type:	Secondary
Date Prepared	1/10/2022	BY:	Amanda E. McDani
Date Expires:	1/6/2023		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	M2-CE657768/M2-		
Balance ID:			

Comments: Used to make standards and spiking solutions; No primary La available

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Milli-Q H2O	391	39.5	mL	6/1/2100

Final Volume: 50 mL

Stock Source		**Base Units**	**Amount Added**
ME220106-CE	Ce Primary Stock	ug/mL	5 mL

Analytes	**CAS**	Conc:	**ug/mL**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME220112 50 PPB STANDARD_CCV		
Standard Name	50 ppb Standard/CCV	Type:	Secondary
Date Prepared	1/12/2022	BY:	Cindy Rohrer
Date Expires:	11/18/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			
Comments:	Made Fresh Daily		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Hydrochloric Acid E1421	14721	0.25	mL	1/4/2027
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Milli-Q H2O	391	48.335	mL	6/1/2100

Final Volume:
100 mL

Stock Source		**Base Units**	**Amount Added**
ME211221 MSCAL	MSCAL 3C	ug/mL	0.05 mL
ME211118 MSCAL	EL-MSCAL-5A	ug/mL	0.25 mL
ME220105 HgPrim	Primary Hg Stock 2 PPM	ug/mL	0.05 mL
ME211208 MSCAL	MSCAL 2B	ug/mL	0.05 mL
ME211229A AU 2n	Au 2nd source Stock	ug/mL	0.01 mL
ME220110 Ce, La	Ce, La Primary	ug/mL	0.05 mL

Analytes	**CAS**	Conc:	**mg/L**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211221 MSCAL 3C		
Standard Name	MSCAL 3C	Type:	Primary
Date Prepared	12/21/2021	BY:	Stacy R. Hendricks
Date Expires:	12/21/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	S2-MEB700780		
Balance ID:			
Comments:	Opened 12/21/21; expires 12/21/22		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Multi Analyte Custom Grade Solution	13473	250	mL	12/21/2022

Final Volume:
250 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES

CERTIFICATE OF ANALYSIS

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	EL-MSCAL-3C
Lot Number:	S2-MEB700780
Matrix:	3% (v/v) HNO3 tr. HF
Value / Analyte(s):	400 µg/mL ea: Silicon, 100 µg/mL ea: Tin, Molybdenum, Titanium, Antimony

1-6-2025

ID #: 13473
Opened:_____
Multi Analyte Custom Grade Solution
Expires: 1/6/2025
Rec'd: 1/15/2021
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	100.0 ± 0.8 µg/mL	Molybdenum, Mo	100.0 ± 0.6 µg/mL
Silicon, Si	399.9 ± 3.0 µg/mL	Tin, Sn	100.0 ± 0.6 µg/mL
Titanium, Ti	100.0 ± 0.7 µg/mL		

Density: 1.018 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Sb	ICP Assay	3102a	140911
Si	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 06, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- January 06, 2025

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211118 MSCAL-5A		
Standard Name	EL-MSCAL-5A	Type:	Primary
Date Prepared	11/18/2021	BY:	Stacy R. Hendricks
Date Expires:	11/18/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	P2-MEB687200		
Balance ID:			
Comments:	Opened 11/18/2021; Expires 11/18/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Multi Analyte Custom Grade Solution	13175	500	mL	11/18/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

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info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	EL-MSCAL-5A
Lot Number:	P2-MEB687200
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea: Calcium, Potassium, Magnesium, Sodium, 500 µg/mL ea: Phosphorus, Iron, 250 µg/mL ea: Lithium

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Calcium, Ca	**5 000 ± 20 µg/mL**	**Iron, Fe**	**499.9 ± 2.1 µg/mL**
Lithium, Li	**250.0 ± 1.1 µg/mL**	**Magnesium, Mg**	**5 000 ± 21 µg/mL**
Phosphorus, P	**499.8 ± 2.5 µg/mL**	**Potassium, K**	**5 000 ± 18 µg/mL**
Sodium, Na	**5 000 ± 18 µg/mL**		

Density: 1.076 g/mL (measured at 20 ± 4 °C)

Assay Information:

ID #: 13175
Opened:
Multi Analyte Custom Grade Solution
Expires: 12/2/2023
Rec'd: 10/12/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed outer bag.

- While stored in the sealed outer bag, transpiration of this CRM/RM is negligible. After opening the sealed outer bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed outer bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; Inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

December 02, 2019

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- December 02, 2023

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed outer Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Manager, Quality Control

Certifying Officer:

Paul Gaines
CEO, Senior Technical Director

Energy Laboratories Inc

Spike LOG

Standard ID:	ME220105 HGPRIMARY		
Standard Name	Primary Hg Stock 2 PPM	Type:	Secondary
Date Prepared	1/5/2022	BY:	Amanda E. McDani
Date Expires:	12/29/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			

Comments: Made with different HG stock than QCS

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Hydrochloric Acid E1421	14721	0.25	mL	1/4/2027

Final Volume:
25 mL

Stock Source		**Base Units**	**Amount Added**
ME220110HG	HG Stock	ug/mL	0.05 mL
ME211229A AU 2N	Au 2nd source Stock	ug/mL	0.05 mL

Analytes	**CAS**	Conc:	**ug/mL**

Page:*1 of 1*

Energy Laboratories Inc

Standard LOG

Standard ID: ME220110HG
Standard Name HG Stock
Date Prepared 1/10/2022
Date Expires: 1/10/2023
Department ME
Vendor: SCP Science
Lot Number: S210729017
Balance ID:

Type: Primary
BY: Amanda E. McDani
Status: Open

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
ICP/ICPMS Standard Mercury	14711	125	mL	1/10/2023

Final Volume:
125 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

ID #: 14711
Opened:
ICP/ICPMS Standard Mercury
Expires: 7/31/2023
Rec'd: 12/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

SCP SCIENCE
Providing Innovative Solutions to Analytical Chemists

rtificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Mercury 1000 µg/ml

Catalogue Number: 140-051-800/-801/-805
Starting Material: Mercury(II) oxide 99.99+%
Lot Number: **S210729017**
Matrix: 10% HNO_3 (See Section 3 for actual matrix)
Expiration Date (End of month): **July 2023** (or 15 months after bottle is opened, whichever comes first)

Hg

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **999 µg/ml +/- 5 µg/ml**
952 µg/g +/- 5 µg/g
Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)
Traceability: NIST Standard Reference Material 3133 Lot: **160921**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.050 g/ml @ 23.6 °C**
Actual Matrix: **10.0% (v/v) HNO_3**

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	<0.0010	Fe	**0.0322**	Nd	<0.0010	Sn	<0.0010
Al	**0.0042**	Ga	<0.0010	Ni	**0.0039**	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	<0.0010	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	N/A	Pd	<0.0010	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	<0.0010	Tl	**0.0117**
Ca	<0.0135	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	<0.0024	Re	<0.0010	U	<0.0010
Ce	<0.0010	La	<0.0010	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	**0.0112**	Lu	<0.0010	S	*	Y	<0.0010
Cs	<0.0010	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0060**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.0010	Zr	<0.0010
Er	<0.0010	Na	**0.0092**	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist
Certification Date: August 12, 2021

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ*:

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION*:

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ*:

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: **SCP SCIENCE (Corporate Headquarters)** operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034*: **SCP SCIENCE (Corporate Headquarters)** is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Fax: +33 (0) 1 60 92 05 67

GERMANY
Alte Marktoberdorfer Straße 14, 87616
Marktoberdorf
Phone: +49 (0) 8342-89560-61
Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211229A AU 2ND SOURCE		
Standard Name	Au 2nd source Stock	Type:	Primary
Date Prepared	12/29/2021	BY:	Amanda E. McDani
Date Expires:	12/29/2022		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S211129013		
Balance ID:			
Comments:	opened 12/29/2021; expires 12/29/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
ICP/ICPMS Standard Gold	14710	500	mL	12/29/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

ID #: 14710
Opened:
ICP/ICPMS Standard Gold
Expires: 12/31/2023
Rec'd: 12/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

SCP SCIENC
Providing Innovative Solutions to Analytical

Certificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Gold 1000 µg/ml

Catalogue Number: 140-052-790/-791/-795
Starting Material: Gold Metal 99.99+%
Lot Number: **S211129013**
Matrix: 10% HCl (See Section 3 for actual matrix)
Expiration Date (End of month): **December 2023** (or 15 months after bottle is opened, whichever comes first)

Au

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1001 µg/ml +/- 4 µg/ml**
982 µg/g +/- 4 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3121 Lot: **991806**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.019 g/ml @ 22.4 °C**
Actual Matrix: **10.0% (v/v) HCl**

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	**0.3851**	Fe	<0.0090	Nd	<0.0010	Sn	<0.0010
Al	**0.0062**	Ga	<0.0010	Ni	<0.0010	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	N/A	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	*	Pd	**0.0434**	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	**0.0048**	Tl	<0.0011
Ca	<0.0135	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	**0.0362**	Re	<0.0010	U	<0.0010
Ce	<0.0010	La	<0.0010	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	<0.0010
Cs	**0.0029**	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0023**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.01	Zr	<0.0010
Er	<0.0010	Na	**0.0070**	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist
Certification Date: December 10, 2021

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: **SCP SCIENCE (Corporate Headquarters)** operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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12 Ave. de Québec, Bat. IRIS
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Fax: +33 (0) 1 60 92 05 67

GERMANY
Alte Marktoberdorfer Straße 14, 87616
Marktoberdorf
Phone: +49 (0) 8342-89560-61
Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211208 MSCAL2B		
Standard Name	MSCAL 2B	Type:	Primary
Date Prepared	12/8/2021	BY:	Stacy R. Hendricks
Date Expires:	12/8/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	S2-MEB704403		
Balance ID:			
Comments:	Opened 12/08/2021; Expires 12/08/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Multi Analyte Custom Grade Solution	13793		mL	12/8/2022

Final Volume: mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	EL-MSCAL-2B
Lot Number:	S2-MEB704403
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea:

Aluminum, Arsenic,
Boron, Barium,
Beryllium, Cadmium,
Cobalt, Chromium,
Copper, Iron,
Manganese, Nickel,
Lead, Selenium,
Strontium, Thorium,
Thallium, Uranium,
Vanadium, Zinc,

40 µg/mL ea:
Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ID #: 13793
Opened:
Multi Analyte Custom Grade Solution
Expires: 4/21/2025
Rec'd: 4/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	100.0 ± 0.4 µg/mL	Arsenic, As	100.0 ± 0.9 µg/mL
Barium, Ba	100.0 ± 0.5 µg/mL	Beryllium, Be	100.0 ± 0.7 µg/mL
Boron, B	100.0 ± 0.7 µg/mL	Cadmium, Cd	100.0 ± 0.5 µg/mL
Chromium, Cr	100.0 ± 0.8 µg/mL	Cobalt, Co	100.0 ± 0.6 µg/mL
Copper, Cu	100.0 ± 0.5 µg/mL	Iron, Fe	100.1 ± 0.4 µg/mL
Lead, Pb	100.0 ± 0.6 µg/mL	Manganese, Mn	100.0 ± 0.5 µg/mL
Nickel, Ni	100.0 ± 0.6 µg/mL	Selenium, Se	100.0 ± 0.7 µg/mL
Silver, Ag	39.99 ± 0.18 µg/mL	Strontium, Sr	100.0 ± 0.4 µg/mL
Thallium, Tl	100.0 ± 0.6 µg/mL	Thorium, Th	100.0 ± 0.5 µg/mL
Uranium, U	100.0 ± 0.5 µg/mL	Vanadium, V	100.0 ± 0.5 µg/mL
Zinc, Zn	100.0 ± 0.5 µg/mL		

Density: 1.033 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
B	ICP Assay	3107	110830
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Sr	Calculated		See Sec. 4.2
Th	EDTA	928	928
Th	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
U	ICP Assay	3164	080521
U	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.24 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 21, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- April 21, 2025

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211229A AU 2ND SOURCE		
Standard Name	Au 2nd source Stock	Type:	Primary
Date Prepared	12/29/2021	BY:	Amanda E. McDani
Date Expires:	12/29/2022		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S211129013		
Balance ID:			
Comments:	opened 12/29/2021; expires 12/29/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
ICP/ICPMS Standard Gold	14710	500	mL	12/29/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

ID #: 14710
Opened:
ICP/ICPMS Standard Gold
Expires: 12/31/2023
Rec'd: 12/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

SCP SCIENC
Providing Innovative Solutions to Analytical

Certificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Gold 1000 µg/ml

Catalogue Number: 140-052-790/-791/-795
Starting Material: Gold Metal 99.99+%
Lot Number: **S211129013**
Matrix: 10% HCl (See Section 3 for actual matrix)
Expiration Date (End of month): **December 2023** (or 15 months after bottle is opened, whichever comes first)

Au

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1001 µg/ml +/- 4 µg/ml**
982 µg/g +/- 4 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3121 Lot: **991806**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.019 g/ml @ 22.4 °C**
Actual Matrix: **10.0% (v/v) HCl**

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	**0.3851**	Fe	<0.0090	Nd	<0.0010	Sn	<0.0010
Al	**0.0062**	Ga	<0.0010	Ni	<0.0010	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	N/A	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	*	Pd	**0.0434**	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	**0.0048**	Tl	<0.0011
Ca	<0.0135	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	**0.0362**	Re	<0.0010	U	<0.0010
Ce	<0.0010	La	<0.0010	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	<0.0010
Cs	**0.0029**	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0023**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.01	Zr	<0.0010
Er	<0.0010	Na	**0.0070**	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist
Certification Date: December 10, 2021

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: **SCP SCIENCE (Corporate Headquarters)** operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)*** *est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)*** *est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Fax: +33 (0) 1 60 92 05 67

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Energy Laboratories Inc

Standard LOG

Standard ID:	ME220110 CE, LA PRIMARY		
Standard Name	Ce, La Primary	Type:	Secondary
Date Prepared	1/10/2022	BY:	Amanda E. McDani
Date Expires:	1/6/2023		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	M2-CE657768/M2-		
Balance ID:			

Comments: Used to make standards and spiking solutions; No primary La available

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Milli-Q H2O	391	39.5	mL	6/1/2100

Final Volume: 50 mL

Stock Source		**Base Units**	**Amount Added**
ME220106-CE	Ce Primary Stock	ug/mL	5 mL

Analytes	**CAS**	Conc:	**ug/mL**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME220112 10 PPB STANDARD		
Standard Name	10 ppb Standard	Type:	Secondary
Date Prepared	1/12/2022	BY:	Cindy Rohrer
Date Expires:	11/18/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			
Comments:	Made Fresh Daily		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Hydrochloric Acid E1421	14721	0.25	mL	1/4/2027
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Milli-Q H2O	391	48.335	mL	6/1/2100

Final Volume:
50 mL

Stock Source	**Base Units**	**Amount Added**
ME220112 100 PP 100 ppb Standard	ug/mL	5 mL

Analytes	**CAS**	Conc:	**mg/L**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME220112 1 PPB STANDARD		
Standard Name	1 ppb Standard	Type:	Secondary
Date Prepared	1/12/2022	BY:	Cindy Rohrer
Date Expires:	11/18/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			
Comments:	Made Fresh Daily		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Hydrochloric Acid E1421	14721	0.25	mL	1/4/2027
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Milli-Q H2O	391	48.335	mL	6/1/2100

Final Volume:
50 mL

Stock Source	**Base Units**	**Amount Added**
ME220112 10 PPB 10 ppb Standard	ug/mL	5 mL

Analytes	**CAS**	Conc:	**mg/L**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME220112 0.5 PPB STANDARD		
Standard Name	0.5 ppb Standard	Type:	Secondary
Date Prepared	1/12/2022	BY:	Cindy Rohrer
Date Expires:	11/18/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			
Comments:	Made Fresh Daily		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Hydrochloric Acid E1421	14721	0.25	mL	1/4/2027
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Milli-Q H2O	391	48.335	mL	6/1/2100

Final Volume:
50 mL

Stock Source	**Base Units**	**Amount Added**
ME220112 10 PPB 10 ppb Standard	ug/mL	2.5 mL

Analytes	**CAS**	Conc:	**mg/L**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME220112 0.1 PPB STANDARD		
Standard Name	0.1 ppb Standard	Type:	Secondary
Date Prepared	1/12/2022	BY:	Cindy Rohrer
Date Expires:	11/18/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			
Comments:	Made Fresh Daily		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Hydrochloric Acid E1421	14721	0.25	mL	1/4/2027
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Milli-Q H2O	391	48.335	mL	6/1/2100

Final Volume:
50 mL

Stock Source		**Base Units**	**Amount Added**
ME220112 1 PPB	1 ppb Standard	ug/mL	5 mL

Analytes	**CAS**	Conc:	**mg/L**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME220112 0.05 PPB STANDARD		
Standard Name	0.5 ppb Standard	Type:	Secondary
Date Prepared	1/12/2022	BY:	Cindy Rohrer
Date Expires:	11/18/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			
Comments:	Made Fresh Daily		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Hydrochloric Acid E1421	14721	0.25	mL	1/4/2027
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Milli-Q H2O	391	48.335	mL	6/1/2100

Final Volume:
50 mL

Stock Source		**Base Units**	**Amount Added**
ME220112 0.5 PP	0.5 ppb Standard	ug/mL	5 mL

Analytes	**CAS**	Conc:	**mg/L**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME220112 0.025 PPB STANDARD		
Standard Name	0.025 ppb Standard	Type:	Secondary
Date Prepared	1/12/2022	BY:	Cindy Rohrer
Date Expires:	11/18/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			
Comments:	Made Fresh Daily		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Hydrochloric Acid E1421	14721	0.25	mL	1/4/2027
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Milli-Q H2O	391	48.335	mL	6/1/2100

Final Volume:
50 mL

Stock Source		**Base Units**	**Amount Added**
ME220112 0.5 PP	0.5 ppb Standard	ug/mL	2.5 mL

Analytes	**CAS**	Conc:	**mg/L**

Energy Laboratories Inc

Standard LOG

Standard ID: ME211206 ICV STANDARD
Standard Name ICV for ICPMS Standards
Date Prepared 12/6/2021
Date Expires: 4/30/2022
Department
Vendor:
Lot Number:
Balance ID:

Type: Secondary
BY: Stacy R. Hendricks
Status: Open

Comments: Made fresh daily

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Hydrochloric Acid Instra Analyzed 000	14028	1	mL	3/29/
Nitric Acid Instra Analyzed 000028856	14572	2	mL	6/28/
Milli-Q H2O	391		mL	6/1/2

Final Volume: 100 mL

Stock Source		Base Units	Amount Added
ME210211 U Seco	U 2' QCS	ug/mL	0.05 mL
ME211206 Th QC	Th QCS Stock	ug/mL	0.05 mL
ME210901 Hg Sec	Secondary Hg Stock 2 PPM	ug/mL	0.05 mL
ME211124 EL-MSI	EL-MSICV-2	ug/mL	0.05 mL
ME210817 ICV-1A	EL-MSICV-1A	ug/mL	0.05 mL
ME210903 Ce, La	Ce, La Secondary solution	ug/mL	0.05 mL

Analytes	CAS	Conc:	mg/L

Energy Laboratories Inc

Spike LOG

Standard ID: ME210211 U SECOND SOURCE
Standard Name U 2' QCS
Date Prepared 2/11/2021
Date Expires: 4/30/2022
Department ME
Vendor:
Lot Number:
Balance ID:

Type: Secondary
BY: Alyssa A. Olson
Status: Open

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Nitric Acid Instra Analyzed 0000264786	13061	0.25	mL	5/12/2025
Milli-Q H2O	391	22.25	mL	6/1/2100

Final Volume:
25 mL

Stock Source		**Base Units**	**Amount Added**
ME200624A	U Stock	ug/mL	2.5 mL

Analytes	**CAS**	Conc:	**ug/mL**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME200624A		
Standard Name	U Stock	Type:	Primary
Date Prepared	6/24/2020	BY:	Ron Hunt
Date Expires:	4/30/2022		
Department	ME	Status:	Empty/Disposed
Vendor:	SCP Science		
Lot Number:	S200422002		
Balance ID:			

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
PlasmaCal Standard Uranium	12767	500	mL	4/30/

Final Volume: 500 mL

Stock Source **Base Units** **Amount Added**

Analytes		**CAS**	Conc:	**ug/mL**
A	Uranium	7440-61-1		1000

SCP SCIENCE

Providing Innovative Solutions to Analytical Chemists

Certificate of Analysis

1.0 DESCRIPTION: ***Plasma*CAL ICP/ICPMS Standard - Uranium 1000 µg/ml**

Catalogue Number: 140-051-920/-921/-925

Starting Material: Uranyl Nitrate 99.99%

Lot Number: **S200422002**

Matrix: 4% HNO_3 (See Section 3 for actual matrix)

Expiration Date (End of month): **April 2022** (or 15 months after bottle is opened, whichever comes first)

U

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1003 µg/ml +/- 4 µg/ml**

983 µg/g +/- 4 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3164 Lot: **080521**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

ID #: 12767
Opened:
PlasmaCal Standard Uranium
Expires: 4/30/2022
Rec'd: 6/15/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 REFERENCE VALUES:

Density: **1.020 g/ml @ 21.7 °C**

Actual Matrix: **4.0% (v/v) HNO_3**

% abundance of stable isotopes : ^{238}U : 99.79% ; ^{235}U : 0.21%

Note : The uranyl nitrate comes from a depleted source of uranium.

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	<0.0010	Fe	<0.0018	Nd	<0.0010	Sn	<0.0010
Al	**0.0073**	Ga	<0.0010	Ni	**0.0038**	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	*	Ta	<0.0010
Au	<0.0010	Ge	<0.0010	P	<0.0026	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0031
Ba	<0.0010	Hg	*	Pd	<0.0010	Th	**0.0020**
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	<0.0010	Tl	<0.0011
Ca	**0.0340**	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	<0.0024	Re	<0.0010	U	N/A
Ce	<0.0010	La	*	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	<1.0000	Y	**0.0049**
Cs	<0.0010	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	<0.0010	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	*	Zr	<0.0010
Er	<0.0010	Na	<0.0010	Si	<1.0000		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist

Certification Date: April 28, 2020

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: SCP SCIENCE (Corporate Headquarters) operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Marktoberdorf

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Energy Laboratories Inc

Spike LOG

Standard ID: ME211206 TH QCS STOCK
Standard Name Th QCS Stock
Date Prepared 12/6/2021
Date Expires: 10/25/2022
Department ME
Vendor:
Lot Number:
Balance ID:

Type: Secondary
BY: Stacy R. Hendricks
Status: Open

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Nitric Acid Instra Analyzed 000028856	14572	0.25	mL	6/28/
Milli-Q H2O	391	22.25	mL	6/1/2

Final Volume: 25 mL

Stock Source	**Base Units**	**Amount Added**
ME 211025 Th Sec Th Seondary Stock	ug/mL	2.5 mL

Analytes	**CAS**	Conc:	**ug/mL**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME 211025 TH SECONDARY STOCK		
Standard Name	Th Seondary Stock	Type:	Primary
Date Prepared	10/25/2021	BY:	Stacy R. Hendricks
Date Expires:	10/25/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	S2-TH706436		
Balance ID:			
Comments:	Opened 10/25/2021; Expires 10/25/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Thorium Single Analyte Custom Grade Sol	14318	125	mL	10/25/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES
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Certificate of Analysis

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Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGTH1
Lot Number:	S2-TH706436
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Thorium
Starting Material:	TH(NO3)4*4H2O
Starting Material Lot#:	2250
Starting Material Purity:	99.9905%

ID #: 14318
Opened:
Thorium Single Analyte Custom Grade Solutic
Expires: 7/4/2025
Rec'd: 9/24/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1001 ± 4 µg/mL

Density: 1.026 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1 **1001 ± 3 µg/mL**
EDTA NIST SRM 928 Lot Number: 928

Assay Method #2 **1001 ± 6 µg/mL**
Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{½}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{½}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

M	Ag	<	0.000448	M	Eu	<	0.000224	O	Na		0.064077	M	Se	<	0.005827	M	Zn		0.003183
O	Al		0.010962	M	Fe		0.012392	M	Nb	<	0.003138	i	Si	<		M	Zr	<	0.010310
M	As	<	0.038776	M	Ga	<	0.004931	M	Nd		0.004697	M	Sm		0.000871				
M	Au	<	0.000224	M	Gd		0.000300	M	Ni	<	0.006724	M	Sn	<	0.028242				
M	B	<	0.021293	M	Ge	<	0.008965	M	Os	<	0.000224	M	Sr		0.002582				
M	Ba		0.001317	M	Hf	<	0.000224	i	P	<		M	Ta	<	0.001344				
M	Be	<	0.000224	M	Hg	<	0.000448	M	Pb		0.003287	M	Tb	<	0.001793				
M	Bi	<	0.001793	M	Ho	<	0.001344	M	Pd	<	0.000448	M	Te	<	0.010086				
O	Ca		0.051969	M	In		0.000134	M	Pr		0.001202	s	Th	<					
M	Cd	<	0.001344	M	Ir	<	0.000224	M	Pt	<	0.000224	M	Ti	<	0.004258				
M	Ce		0.015420	O	K		0.028928	M	Rb	<	0.005155	M	Tl	<	0.000224				
M	Co	<	0.001344	M	La		0.003577	M	Re	<	0.000224	M	Tm	<	0.000224				
M	Cr	<	0.015465	M	Li	<	0.000448	M	Rh	<	0.000224	M	U		0.006564				
M	Cs	<	0.013896	M	Lu	<	0.000224	M	Ru	<	0.000224	M	V	<	0.001793				
M	Cu		0.001472	O	Mg		0.027914	i	S	<		M	W	<	0.000224				
M	Dy		0.000197	M	Mn		0.001814	M	Sb	<	0.004931	M	Y		0.000860				
M	Er	<	0.002241	M	Mo	<	0.000896	M	Sc	<	0.000672	M	Yb	<	0.000224				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 232.04 +4 8 Th(OH) 3+ and Th(OH)22+

Chemical Compatibility -Soluble in HCl, and HNO3. Avoid H3PO4, H2SO4 and HF although solubilities may not be a problem depending upon pH and matrix (For example: ThF4 is soluble in acids). Avoid neutral to basic media. Th4+ is stable with most metals and inorganic anions forming an insoluble carbonate, oxide, fluoride, oxalate, sulfate and phosphate in neutral to slightly acidic media.

Stability - 2-100 ppb levels stable for months in 1% HNO3 / LDPE container. 1-10,000 ppm solutions chemically stable for years in 2-5% HNO3 / LDPE container.

Th Containing Samples (Preparation and Solution) -Metal (Soluble in Aqua Regia); Oxide (The heated oxide is not soluble in acids except hot conc. H2SO4); Ores (Na2O2 fusion at 480 ± 20EC for 7 minutes, cool and treat sintered mass with 50 mL cold water and stand until disintegrated. The mass is transferred to a beaker and acidified with HCl with 25 mL excess HCl added. Any residue is collected on a Whatman No. 42 filter, dried and ignited to 1000 EC in Pt0 crucible and the ash treated with H2SO4 / HF and fumed. If residue remains, then treat it by peroxide fusion as above.)

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 232 amu	1 ppt	N/A	
ICP-OES 274.716 nm	0.08 / 0.008 µg/mL	1	Ti, Ta, Fe, V
ICP-OES 283.231 nm	0.07 / 0.007 µg/mL	1	U, Mo, Ti, Fe, Cr
ICP-OES 283.730 nm	0.07 / 0.007 µg/mL	1	U, Zr

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

July 04, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- July 04, 2025

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

Energy Laboratories Inc

Spike LOG

Standard ID:	ME210901 HG SECOND SOURCE		
Standard Name	Secondary Hg Stock 2 PPM	Type:	Secondary
Date Prepared	9/1/2021	BY:	Alyssa A. espinoza
Date Expires:	7/26/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Nitric Acid, 69.0-70.0%,0000282671	14178	0.1	mL	4/11/
Hydrochloric Acid Instra Analyzed 000	14028	0.05	mL	3/29/

Final Volume: 50 mL

Stock Source		**Base Units**	**Amount Added**
ME210726	Hg Secondary Source	ug/mL	0.1 mL

Analytes	**CAS**	Conc:	**ug/mL**

Page: *1 of 1*

Energy Laboratories Inc

Spike LOG

Standard ID: ME210726
Standard Name Hg Secondary Source
Date Prepared 7/26/2021
Date Expires: 7/26/2022
Department
Vendor:
Lot Number:
Balance ID:

Type:
BY: Jordan A. Gjerde
Status: New

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Mercury Single Analyte Custom Grade	13979	120	mL	7/26/

Final Volume: mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

Page: *1 of 1*

INORGANIC VENTURES

CERTIFICATE OF ANALYSIS

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Single Analyte Custom Grade Solution
Catalog Number:	CGHG1
Lot Number:	R2-HG696409
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	1 000 µg/mL ea: Mercury
Starting Material:	Hg metal
Starting Material Lot#:	1959
Starting Material Purity:	99.9994%

ID #: 13979
Opened:
Mercury Single Analyte Custom Grade Solutic
Expires: 9/15/2024
Rec'd: 6/23/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

Certified Value: 1002 ± 3 µg/mL

Density: 1.026 g/mL (measured at 20 ± 4 °C)

Assay Information:

Assay Method #1	**1004 ± 8 µg/mL** ICP Assay NIST SRM 3133 Lot Number: 160921
Assay Method #2	**1003 ± 3 µg/mL** EDTA NIST SRM 928 Lot Number: 928
Assay Method #3	**1001 ± 3 µg/mL** Calculated NIST SRM Lot Number: See Sec. 4.2

- The Calculated Value is a value calculated from the weight of a starting material that has been certified directly vs. a National Institute of Standards and Technology (NIST) SRM/RM. See Sec 4.2 for balance traceability.

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

CRM/RMs are tested for trace metallic impurities by Axial ICP-OES and ICP-MS. The result from the most sensitive method for each element, is reported below. Solutions tested by ICP-MS were analyzed in an ULPA-Filtered Clean Room. An ULPA-Filter is 99.9985% efficient for the removal of particles down to 0.3 µm.

O	Ag		0.001159	M	Eu	<	0.000201	O	Na		0.000435	M	Se	<	0.015915	O	Zn	<	0.001510
O	Al		0.000090	O	Fe		0.000113	M	Nb	<	0.000201	O	Si		0.000525	M	Zr	<	0.000201
M	As	<	0.000402	M	Ga	<	0.000201	M	Nd	<	0.000201	M	Sm	<	0.000201				
M	Au	<	0.003631	M	Gd	<	0.000201	M	Ni	<	0.000402	M	Sn	<	0.001007				
M	B	<	0.001208	M	Ge	<	0.000201	M	Os	<	0.000605	M	Sr	<	0.000201				
M	Ba	<	0.000201	M	Hf	<	0.000201	O	P	<	0.032370	M	Ta	<	0.000201				
M	Be	<	0.000201	s	Hg	<		M	Pb	<	0.000201	M	Tb	<	0.000201				
M	Bi	<	0.000201	M	Ho	<	0.000201	M	Pd	<	0.000403	M	Te	<	0.002216				
O	Ca		0.000746	M	In	<	0.000201	M	Pr	<	0.000201	M	Th	<	0.000201				
M	Cd	<	0.000201	M	Ir	<	0.000201	M	Pt	<	0.000402	M	Ti	<	0.000402				
M	Ce	<	0.000201	O	K		0.002007	M	Rb	<	0.000201	O	Tl	<	0.016508				
M	Co	<	0.000201	M	La	<	0.000201	M	Re	<	0.000201	M	Tm	<	0.000201				
O	Cr	<	0.003021	O	Li	<	0.000107	M	Rh	<	0.000201	M	U	<	0.008058				
M	Cs	<	0.001208	M	Lu	<	0.000201	M	Ru	<	0.000201	M	V	<	0.000201				
M	Cu	<	0.000402	O	Mg		0.000096	O	S	<	0.053950	M	W	<	0.000604				
M	Dy	<	0.000201	M	Mn	<	0.000604	M	Sb	<	0.001208	M	Y	<	0.000201				
M	Er	<	0.000201	M	Mo		0.000971	M	Sc	<	0.000201	M	Yb	<	0.000201				

M - Checked by ICP-MS O - Checked by ICP-OES i - Spectral Interference
n - Not Checked For s - Solution Standard Element

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Atomic Weight; Valence; Coordination Number; Chemical Form in Solution - 200.59 +2 4 Hg(OH)(aq) 1+

Chemical Compatibility - Stable in HNO3. Avoid basic media forming insoluble carbonate. The sulfide, basic carbonate, oxalate, phosphate, arsenite, arsenate and iodide are insoluble in water.

Stability - 2-100 ppb levels not stable in 1% HNO3 / LDPE container, stable in 10% HNO3 packaged in borosilicate glass. 1-100 ppm levels stable in 7% HNO3 packaged in borosilicate glass. 1000-10,000 ppm solutions are chemically stable for years in 5-10% HNO3 / LDPE container.

Hg Containing Samples (Preparation and Solution) - Metal (soluble in HNO3); Oxide (Soluble in HNO3); Ores and Organic based (The literature has more references to the preparation of Hg containing samples than any other element. Please consult the literature for your specific sample type, since such preparations are prone to error. Or e-mail our technical staff and we will contact you to discuss your particular sample preparation questions in further detail.).

Atomic Spectroscopic Information (ICP-OES D.L.s are given as radial/axial view):

Technique/Line	Estimated D.L.	Order	Interferences (underlined indicates severe)
ICP-MS 202 amu	9 ppt	n/a	186W16O
ICP-OES 184.950 nm	0.03 / 0.005 µg/mL	1	
ICP-OES 194.227 nm	0.03 / 0.005 µg/mL	1	V
ICP-OES 253.652 nm	0.1 / 0.03 µg/mL	1	Ta, Co, Th ,Rh , Fe, U

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 15, 2020

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- **September 15, 2024**

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211124 EL-MSICV-2		
Standard Name	EL-MSICV-2	Type:	Primary
Date Prepared	11/24/2021	BY:	Amanda E. McDani
Date Expires:	11/24/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Multi Analyte Custom Grade Solution	14023	500	mL	11/24

Final Volume: mL

Stock Source	**Base Units**	**Amount Added**
Analytes	**CAS**	Conc: **ug/mL**

INORGANIC VENTURES
300 Technology Drive
Christiansburg, VA 24073 - USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 - 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	EL-MSICV-2
Lot Number:	R2-MEB696849
Matrix:	3% (v/v) HNO_3 tr. HF
Value / Analyte(s):	1 000 µg/mL ea: Silicon, 100 µg/mL ea: Tin, Titanium, Molybdenum, Antimony

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	100.0 ± 0.6 µg/mL	Molybdenum, Mo	100.0 ± 0.5 µg/mL
Silicon, Si	1 000 ± 7 µg/mL	Tin, Sn	99.9 ± 0.4 µg/mL
Titanium, Ti	99.9 ± 0.6 µg/mL		

Density: 1.019 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Sb	ICP Assay	3102a	140911
Si	ICP Assay	3150	130912
Sn	ICP Assay	3161a	070330
Sn	Calculated		See Sec. 4.2
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

ID #: 14023
Opened:
Multi Analyte Custom Grade Solution
Expires: 9/14/2024
Rec'd: 7/7/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

September 14, 2020

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- September 14, 2024

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

Energy Laboratories Inc

Standard LOG

Standard ID:	ME210817 ICV-1A		
Standard Name	EL-MSICV-1A	Type:	Primary
Date Prepared	8/17/2021	BY:	Alyssa A. espinoza
Date Expires:	8/17/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	R2-MEB688457		
Balance ID:			
Comments:	Opened 8/17/2021; Expires 8/17/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Multi Analyte Custom Grade Solution	13475	500	mL	8/17/

Final Volume: 500 mL

Stock Source	**Base Units**	**Amount Added**
Analytes	**CAS**	Conc: **ug/mL**

INORGANIC VENTURES™
300 Technology Drive
Christiansburg, VA 24073 · USA
inorganicventures.com

CERTIFICATE OF ANALYSIS

tel: 800.669.6799 · 540.585.3030
fax: 540.585.3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Callbration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	EL-MSICV-1A
Lot Number:	R2-MEB688457
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	5 000 µg/mL ea: Calcium, Potassium, Magnesium, Sodium,
	1 000 µg/mL ea: Phosphorus,
	500 µg/mL ea: Manganese, Iron, Aluminum,
	100 µg/mL ea: Arsenic, Boron, Barium, Cobalt, Chromium, Copper, Lithium, Nickel, Lead, Selenium, Strontium, Thallium, Vanadium, Zinc,
	50 µg/mL ea: Silver, Cadmium, Beryllium

ID #: 13475
Opened:_____
Multi Analyte Custom Grade Solution
Expires: 1/10/2024
Rec'd: 1/15/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Second Source: Whenever possible, this solution was manufactured from a second set of concentrates in our manufacturing facility.

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	500.3 ± 1.8 µg/mL	Arsenic, As	100.0 ± 0.8 µg/mL
Barium, Ba	99.9 ± 0.4 µg/mL	Beryllium, Be	49.96 ± 0.33 µg/mL
Boron, B	100.0 ± 0.6 µg/mL	Cadmium, Cd	50.10 ± 0.22 µg/mL
Calcium, Ca	5 001 ± 20 µg/mL	Chromium, Cr	100.0 ± 0.6 µg/mL
Cobalt, Co	100.0 ± 0.5 µg/mL	Copper, Cu	100.1 ± 0.4 µg/mL
Iron, Fe	499.7 ± 2.1 µg/mL	Lead, Pb	100.1 ± 0.4 µg/mL
Lithium, Li	100.0 ± 0.4 µg/mL	Magnesium, Mg	5 000 ± 21 µg/mL
Manganese, Mn	499.8 ± 1.9 µg/mL	Nickel, Ni	100.1 ± 0.4 µg/mL
Phosphorus, P	1 000 ± 5 µg/mL	Potassium, K	5 000 ± 18 µg/mL
Selenium, Se	100.1 ± 0.8 µg/mL	Silver, Ag	50.02 ± 0.22 µg/mL
Sodium, Na	5 000 ± 18 µg/mL	Strontium, Sr	100.1 ± 0.4 µg/mL
Thallium, Tl	100.0 ± 0.7 µg/mL	Vanadium, V	99.9 ± 0.5 µg/mL
Zinc, Zn	100.0 ± 0.4 µg/mL		

Density: 1.098 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
B	ICP Assay	3107	110830
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Ca	ICP Assay	3109a	130213
Ca	EDTA	928	928
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	EDTA	928	928
Co	ICP Assay	traceable to 3113	M2-CO661665
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
K	ICP Assay	3141a	140813
K	Gravimetric		See Sec. 4.2
Li	ICP Assay	3129a	100714
Li	Gravimetric		See Sec. 4.2
Mg	ICP Assay	3131a	140110
Mg	EDTA	928	928
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Na	ICP Assay	3152a	120715
Na	Gravimetric		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
P	ICP Assay	3139a	060717
P	Acidimetric	84L	84L
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Sr	EDTA	928	928
Sr	ICP Assay	3153a	990906
Tl	ICP Assay	3158	993012
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method I with standard uncertainty $u_{char\ I}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ I})^2 / (\Sigma(1/(u_{char\ I})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ I})^2)]^{1/2}$ where $u_{char\ I}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed outer bag.

- While stored in the sealed outer bag, transpiration of this CRM/RM is negligible. After opening the sealed outer bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed outer bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 10, 2020

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- January 10, 2024

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

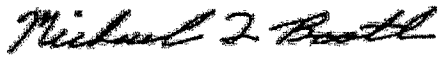
- Sealed outer Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Manager, Quality Control



Certifying Officer:

Paul Gaines
CEO, Senior Technical Director

Energy Laboratories Inc

Standard LOG

Standard ID:	ME210903 CE, LA SECONDARY		
Standard Name	Ce, La Secondary solution	Type:	Secondary
Date Prepared	9/3/2021	BY:	Parker A. Pearsall
Date Expires:	5/25/2022		
Department	ME	Status:	Open
Vendor:			
Lot Number:			
Balance ID:			
Comments:	Second Source Stock Solution		

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Nitric Acid Instra Analyzed 000020579	10902	0.5	mL	7/1/2
Milli-Q H2O	391	39.5	mL	6/1/2

Final Volume: 50 mL

Stock Source		Base Units	Amount Added
ME210903 La Sec	La Secondary Stock	ug/mL	5 mL
ME210525 Ce 2nd	Ce Secondary Stock	ug/mL	5 mL

Analytes	CAS	Conc:	ug/mL

Page: *1 of 1*

Energy Laboratories Inc

Standard LOG

Standard ID:	ME210903 LA SECOND SOURCE		
Standard Name	La Secondary Stock	Type:	Primary
Date Prepared	9/3/2021	BY:	Alyssa A. espinoza
Date Expires:	9/3/2022		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S201029004		
Balance ID:			
Comments:	Opened 9/3/2021; Expires 9/3/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Lanthanum PlasmaCal Standard	14019	125	mL	9/3/2022

Final Volume: mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

SCP SCIENCE

Providing Innovative Solutions to Analytical Chemists

Certificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Lanthanum 1000 µg/ml

Catalogue Number: 140-051-570/-571/-575

Starting Material: Lanthanum(III) Oxide 99.99+%

Lot Number: **S201029004**

Matrix: 4% HNO_3 (See Section 3 for actual matrix)

Expiration Date (End of month): **November 2022** (or 15 months after bottle is opened, whichever comes first)

La

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1005 µg/ml +/- 4 µg/ml**

985 µg/g +/- 4 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3127a Lot: **151030**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

ID #: 14019
Opened:_____
Lanthanum PlasmaCal Standard
Expires: 11/30/2022
Rec'd: 7/6/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 REFERENCE VALUES:

Density: **1.020 g/ml @ 23.4 °C**

Actual Matrix: **4.0% (v/v) HNO_3**

Trace Metal Impurities as tested by ICP-AES:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	<0.0049	Fe	<0.0102	Nd	<0.1595	Sn	<0.0307
Al	<0.0280	Ga	<0.0260	Ni	<0.0139	Sr	<0.0004
As	<0.0525	Gd	<0.0685	Os	*	Ta	<0.0635
Au	<0.0085	Ge	<0.0548	P	<0.0104	Tb	<0.0146
B	<0.2535	Hf	<0.0339	Pb	<0.2460	Te	<0.4025
Ba	<0.0025	Hg	*	Pd	<0.1410	Th	<0.0471
Be	<0.0022	Ho	<0.0065	Pr	<0.0274	Ti	<0.0013
Bi	<0.0780	In	<0.0105	Pt	<0.0533	Tl	<0.5600
Ca	**0.0164**	Ir	<0.0243	Rb	*	Tm	<0.0105
Cd	<0.0048	K	<0.0128	Re	<0.0076	U	<0.2490
Ce	<0.0393	La	N/A	Rh	<0.0163	V	<0.0049
Co	<0.0224	Li	<0.0006	Ru	<0.0304	W	<0.0443
Cr	<0.0063	Lu	<0.0021	S	<0.0515	Y	<0.0033
Cs	*	Mg	<0.0045	Sb	<0.0197	Yb	<0.0057
Cu	<0.0040	Mn	<0.0018	Sc	<0.0055	Zn	<0.0045
Dy	<0.0043	Mo	<0.0229	Se	<0.0249	Zr	<0.0061
Er	<0.0070	Na	<0.0038	Si	<0.0455		
Eu	<0.0086	Nb	<0.0112	Sm	<0.1105	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist

Certification Date: November 04, 2020

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter* ***SCP SCIENCE***.

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité* ***enregistré*** *à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: SCP SCIENCE (Corporate Headquarters) operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)*** *est* ***accréditée*** *ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)*** *est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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SILIC 642, 91965
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Fax: +33 (0) 1 60 92 05 67

GERMANY
Alte Marktoberdorfer Straße 14, 87616
Marktoberdorf

Phone: +49 (0) 8342-89560-61
Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID:	ME210525 CE 2ND SOURCE		
Standard Name	Ce Secondary Stock	Type:	Primary
Date Prepared	5/25/2021	BY:	Stacy R. Hendricks
Date Expires:	5/25/2022		
Department	ME	Status:	Empty/Disposed
Vendor:	SCP Science		
Lot Number:	S210208003		
Balance ID:			
Comments:	opened 5/25/2021, expires 5/25/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
ICP/ICPMS Standard Cerium	13642	125	mL	5/25/2022

Final Volume:
125 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

SCP SCIENCE

Providing Innovative Solutions to Analytical Chemists

Certificate of Analysis

1.0 DESCRIPTION:

***Plasma*CAL ICP/ICPMS Standard - Cerium 1000 µg/ml**

Catalogue Number: 140-051-580/-581/-585

Starting Material: Cerium(III) Nitrate Hexahydrate 99.99+%

Lot Number: **S210208003**

Matrix: 4% HNO_3 (See Section 3 for actual matrix)

Expiration Date (End of month): **February 2023** (or 15 months after bottle is opened, whichever comes first)

Ce

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1003 µg/ml +/- 4 µg/ml**

982 µg/g +/- 4 µg/g

Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)

Traceability: NIST Standard Reference Material 3110 Lot: **090504**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.021 g/ml @ 22.5 °C**

Actual Matrix: **4.0% (v/v) HNO_3**

Trace Metal Impurities as tested by ICP-MS:

ID #: 13642
Opened:_____
ICP/ICPMS Standard Cerium
Expires: 2/28/2023
Rec'd: 3/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	<0.0010	Fe	<0.0018	Nd	**0.0102**	Sn	<0.0010
Al	**0.0148**	Ga	**0.0526**	Ni	**0.0064**	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	<0.0010	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	*	Pd	<0.0010	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	**0.0235**	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	<0.0010	Tl	<0.0011
Ca	**0.0375**	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	<0.0024	Re	<0.0010	U	<0.0010
Ce	N/A	La	<0.10	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	<0.0010
Cs	<0.0010	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0121**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.0010	Zr	<0.0010
Er	<0.0010	Na	<0.0010	Si	<0.10		
Eu	**0.0035**	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Yaling Sui, Chemist

Certification Date: February 22, 2021

Yaling Sui

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter* ***SCP SCIENCE***.

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité* ***enregistré*** *à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: SCP SCIENCE (Corporate Headquarters) operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)*** *est* ***accréditée*** *ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)*** *est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Energy Laboratories Inc

Standard LOG

Standard ID:	ME210901 ICSAB		
Standard Name	ICSAB	Type:	Secondary
Date Prepared	9/1/2021	BY:	Cindy Rohrer
Date Expires:	9/1/2022		
Department	ME	Status:	Open
Vendor:			
Lot Number:			
Balance ID:			
Comments:	Made fresh every Monday, Wednesday, and Friday		

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Nitric Acid, 69.0-70.0%,0000282671	14178	1	mL	4/11/
Milli-Q H2O	391	46.45	mL	6/1/2
Hydrochloric Acid Instra Analyzed 000	14028	0.5	mL	3/29/

Final Volume: 50 mL

Stock Source		**Base Units**	**Amount Added**
ME210901 6020IC	6020ICS-8A	ug/mL	2 mL
ME 210901 6020IC	6020ICS-9B	ug/mL	0.05 mL

Analytes	**CAS**	Conc:	**mg/L**

Energy Laboratories Inc

Standard LOG

Standard ID:	ME 210901 6020ICS-9B		
Standard Name	6020ICS-9B	Type:	Primary
Date Prepared	9/1/2021	BY:	Alyssa A. espinoza
Date Expires:	9/1/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	P2-MEB678862		
Balance ID:			
Comments:	Opened 9/1/2021; Expires 9/1/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Multi Analyte Custom Grade Solution	13478	125	mL	9/1/2022

Final Volume:
125 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **mg/L**

INORGANIC VENTURES
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fax: 540.585.3012
info@inorganicventures.com

CERTIFICATE OF ANALYSIS

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01
ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	6020ICS-9B
Lot Number:	P2-MEB678862
Matrix:	3% (v/v) HNO3
Value / Analyte(s):	20 µg/mL ea: Cobalt, Chromium, Copper, Manganese, Nickel, Vanadium, 10 µg/mL ea: Zinc, Arsenic, Cadmium, Selenium, 5 µg/mL ea: Silver

ID #: 13478
Opened:_____
Multi Analyte Custom Grade Solution
Expires: 5/17/2023
Rec'd: 1/15/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Arsenic, As	10.01 ± 0.05 µg/mL	Cadmium, Cd	10.01 ± 0.04 µg/mL
Chromium, Cr	20.02 ± 0.12 µg/mL	Cobalt, Co	20.01 ± 0.10 µg/mL
Copper, Cu	20.02 ± 0.08 µg/mL	Manganese, Mn	20.02 ± 0.09 µg/mL
Nickel, Ni	20.02 ± 0.09 µg/mL	Selenium, Se	10.01 ± 0.06 µg/mL
Silver, Ag	5.005 ± 0.022 µg/mL	Vanadium, V	20.02 ± 0.08 µg/mL
Zinc, Zn	10.01 ± 0.04 µg/mL		

Density: 1.015 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
As	ICP Assay	3103a	100818
As	Calculated		See Sec. 4.2
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	EDTA	928	928
Co	ICP Assay	traceable to 3113	M2-CO661665
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Mn	EDTA	928	928
Mn	ICP Assay	Traceable to 3132	N2-MN665236
Mn	Calculated		See Sec. 4.2
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
V	EDTA	928	928
V	ICP Assay	3165	992706
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method I with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\ (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\ (u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\ (u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 *Balance Calibration*

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

Low Silver Note: This solution contains "LOW" levels of Silver. Please store this entire bottle inside a sealed glass jar.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

May 17, 2019

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- May 17, 2023

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

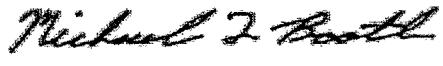
- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Supervisor, Quality Control



Certifying Officer:

Paul Gaines
CEO, Senior Technical Director

Energy Laboratories Inc

Standard LOG

Standard ID:	ME220112 SS1		
Standard Name	SS1 ICPMS Spiking Solution	Type:	Secondary
Date Prepared	1/12/2022	BY:	Stacy R. Hendricks
Date Expires:	12/8/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Nitric Acid, 69.0-70.0%,0000277202	13781	0.8	mL	1/14/2026
Hydrochloric Acid, 36.5-38.0% 000027567	13784	2	mL	12/15/2025
Milli-Q H2O	391	28.8	mL	6/1/2100

Final Volume:
40 mL

Stock Source		**Base Units**	**Amount Added**
ME220105 HgPrim	Primary Hg Stock 2 PPM	ug/mL	2 mL
ME211208 MSCAL	MSCAL 2B	ug/mL	2 mL
ME211221 MSCAL	MSCAL 3C	ug/mL	2 mL
ME220110 Ce, La	Ce, La Primary	ug/mL	2 mL

Analytes	**CAS**	Conc:	**mg/L**

Energy Laboratories Inc

Spike LOG

Standard ID:	ME220105 HGPRIMARY		
Standard Name	Primary Hg Stock 2 PPM	Type:	Secondary
Date Prepared	1/5/2022	BY:	Amanda E. McDani
Date Expires:	12/29/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:			
Balance ID:			

Comments: Made with different HG stock than QCS

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Hydrochloric Acid E1421	14721	0.25	mL	1/4/2027

Final Volume: 25 mL

Stock Source		**Base Units**	**Amount Added**
ME220110HG	HG Stock	ug/mL	0.05 mL
ME211229A AU 2N	Au 2nd source Stock	ug/mL	0.05 mL

Analytes	**CAS**	Conc:	**ug/mL**

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Energy Laboratories Inc

Standard LOG

Standard ID:	ME220110HG		
Standard Name	HG Stock	Type:	Primary
Date Prepared	1/10/2022	BY:	Amanda E. McDani
Date Expires:	1/10/2023		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S210729017		
Balance ID:			

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
ICP/ICPMS Standard Mercury	14711	125	mL	1/10/2023

Final Volume:
125 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

ID #: 14711
Opened:
ICP/ICPMS Standard Mercury
Expires: 7/31/2023
Rec'd: 12/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

SCP SCIENCE
Providing Innovative Solutions to Analytical Chemists

rtificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Mercury 1000 µg/ml

Catalogue Number: 140-051-800/-801/-805
Starting Material: Mercury(II) oxide 99.99+%
Lot Number: **S210729017**
Matrix: 10% HNO_3 (See Section 3 for actual matrix)
Expiration Date (End of month): **July 2023** (or 15 months after bottle is opened, whichever comes first)

Hg

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **999 µg/ml +/- 5 µg/ml**
952 µg/g +/- 5 µg/g
Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)
Traceability: NIST Standard Reference Material 3133 Lot: **160921**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.050 g/ml @ 23.6 °C**
Actual Matrix: **10.0% (v/v) HNO_3**

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	<0.0010	Fe	**0.0322**	Nd	<0.0010	Sn	<0.0010
Al	**0.0042**	Ga	<0.0010	Ni	**0.0039**	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	<0.0010	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	N/A	Pd	<0.0010	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	<0.0010	Tl	**0.0117**
Ca	<0.0135	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	<0.0024	Re	<0.0010	U	<0.0010
Ce	<0.0010	La	<0.0010	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	**0.0112**	Lu	<0.0010	S	*	Y	<0.0010
Cs	<0.0010	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0060**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.0010	Zr	<0.0010
Er	<0.0010	Na	**0.0092**	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist
Certification Date: August 12, 2021

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ*:

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION*:

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ*:

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: **SCP SCIENCE (Corporate Headquarters)** operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034*: **SCP SCIENCE (Corporate Headquarters)** is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Fax: +33 (0) 1 60 92 05 67

GERMANY
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Marktoberdorf
Phone: +49 (0) 8342-89560-61
Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211229A AU 2ND SOURCE		
Standard Name	Au 2nd source Stock	Type:	Primary
Date Prepared	12/29/2021	BY:	Amanda E. McDani
Date Expires:	12/29/2022		
Department	ME	Status:	Open
Vendor:	SCP Science		
Lot Number:	S211129013		
Balance ID:			
Comments:	opened 12/29/2021; expires 12/29/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
ICP/ICPMS Standard Gold	14710	500	mL	12/29/2022

Final Volume:
500 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

ID #: 14710
Opened:
ICP/ICPMS Standard Gold
Expires: 12/31/2023
Rec'd: 12/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

SCP SCIENC
Providing Innovative Solutions to Analytical

Certificate of Analysis

1.0 DESCRIPTION:

PlasmaCAL ICP/ICPMS Standard - Gold 1000 µg/ml

Catalogue Number: 140-052-790/-791/-795
Starting Material: Gold Metal 99.99+%
Lot Number: **S211129013**
Matrix: 10% HCl (See Section 3 for actual matrix)
Expiration Date (End of month): **December 2023** (or 15 months after bottle is opened, whichever comes first)

Au

2.0 CERTIFIED VALUES AND ASSOCIATED UNCERTAINTY:

Certified Concentration: **1001 µg/ml +/- 4 µg/ml**
982 µg/g +/- 4 µg/g
Method of analysis: Inductively Coupled Plasma Atomic Emission Spectroscopy (ICP-AES)
Traceability: NIST Standard Reference Material 3121 Lot: **991806**

Note: The uncertainty of the certified value has been calculated from applicable uncertainty contributors (u_i) including uncertainty established during characterization of the material (u_{char}), the between bottle variation (u_{bb}), short-term stability (u_{sts}) and long-term stability (u_{lts}) according to the model $u_c = \sqrt{(u_{char}^2 + u_{bb}^2 + u_{sts}^2 + u_{lts}^2)}$. This combined uncertainty has been further multiplied by a coverage factor (k) of 2 to provide a 95% confidence interval.

3.0 REFERENCE VALUES:

Density: **1.019 g/ml @ 22.4 °C**
Actual Matrix: **10.0% (v/v) HCl**

Trace Metal Impurities as tested by ICP-MS:

Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)	Element	Conc. (ppm)
Ag	**0.3851**	Fe	<0.0090	Nd	<0.0010	Sn	<0.0010
Al	**0.0062**	Ga	<0.0010	Ni	<0.0010	Sr	<0.0025
As	<0.0010	Gd	<0.0010	Os	<0.0010	Ta	<0.0010
Au	N/A	Ge	<0.0010	P	<0.0132	Tb	<0.0010
B	<0.0015	Hf	<0.0010	Pb	<0.0010	Te	<0.0010
Ba	<0.0010	Hg	*	Pd	**0.0434**	Th	<0.0010
Be	<0.0010	Ho	<0.0010	Pr	<0.0010	Ti	<0.0012
Bi	<0.0010	In	<0.0010	Pt	**0.0048**	Tl	<0.0011
Ca	<0.0135	Ir	<0.0010	Rb	<0.0010	Tm	<0.0010
Cd	<0.0010	K	**0.0362**	Re	<0.0010	U	<0.0010
Ce	<0.0010	La	<0.0010	Rh	<0.0010	V	<0.0010
Co	<0.0010	Li	<0.0010	Ru	<0.0010	W	<0.0020
Cr	<0.0010	Lu	<0.0010	S	*	Y	<0.0010
Cs	**0.0029**	Mg	<0.0010	Sb	<0.0010	Yb	<0.0010
Cu	**0.0023**	Mn	<0.0010	Sc	<0.0010	Zn	<0.0010
Dy	<0.0010	Mo	<0.0010	Se	<0.01	Zr	<0.0010
Er	<0.0010	Na	**0.0070**	Si	<0.1		
Eu	<0.0010	Nb	<0.0010	Sm	<0.0010	*: Not tested	

4.0 APPROVAL AND DATE OF CERTIFICATION:

Certification Approval: Daniel Boisvert, Chemist
Certification Date: December 10, 2021

Daniel Boisvert

5.0 INTENDED USE / *UTILISATION PRÉVUE*:

- ICP Standards: For the calibration of, including but not limited to: ICP-AES, ICP-MS, FAAS, GFAA, XRF and DCP. / *Étalons ICP : Pour l'étalonnage d'instruments de mesure tels que: ICP-AES, ICP-MS, FAAS, GFAA, XRF et DCP.*
- AA Standards: For the calibration of Flame (FAAS) and Graphite Furnace (GFAA) Atomic Absorption Spectrometers. / *Étalons AA : Pour l'étalonnage de spectromètres d'absorption atomique flamme (GFAA) et four au graphite (GFAA).*
- Matrix Modifiers: For the optimization of analytical conditions to provide better Graphite Furnace Atomic Absorption (GFAA) instrument response and improved detection limits. / *Modificateur de matrice : Pour l'optimisation des conditions analytiques afin de fournir des meilleurs réponses instrumentales et limites de détection pour SAA four au graphite.*
- pH Standards: For the calibrating pH meters or for other wet chemistry applications. / *Étalons pH : Pour étalonnage de pH mètres et autres applications de chimie humide.*
- Conductivity Standards: For electrolytic conductivity measurement as a calibration standard. / *Étalons de conductivité : Comme étalon pour les mesures de conductivité électrolytiques.*
- IC Standards: for calibration of, but not limited to IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS or other wet chemistry applications. / *Étalons IC : Pour étalonnage d'instruments tels que : IC, HPLC, TLC, ISE, IR, NMR, MS, UV/VIS et autres applications de chimie humide.*

For any inquiries, please contact **SCP SCIENCE**. / *Pour toute question, veuillez contacter **SCP SCIENCE**.*

6.0 INSTRUCTIONS FOR USE / *INSTRUCTIONS D'UTILISATION*:

Handling and Storage / Manutention et entreposage: Keep product tightly capped when not in use. The solution should be opened for a minimum amount of time necessary to dispense the amount required. Do not pipet or use directly from container. Do not return unused portions back to container. Store under normal laboratory conditions. Avoid exposure to excessive sources of heat and humidity or direct sunlight. / *Garder les contenants bien fermés lorsque non utilisés. Le contenant devrait être ouvert seulement pour le temps requis afin de prélever la quantité nécessaire. Ne pas pipetter ou utiliser directement du contenant. Ne pas retourner les portions non-utilisées dans le contentant. Conserver dans des conditions normales de laboratoire. Éviter l'exposition à des sources de chaleur et d'humidité excessives ou à l'exposition solaire directe.*

Stability / *Stabilité*: This Standard is guaranteed to be stable and accurate to within the specified uncertainty of measurement up to the unopened expiry date, if sealed, or up to the opened expiry date (when indicated), whichever comes first, provided the solution is kept tightly capped and stored under the indicated storage conditions. Purchasers will be notified of any significant changes resulting in re-certification or withdrawal of the product prior to the expiration date. / *La stabilité et l'exactitude de cet étalon sont garanties d'être à l'intérieur de l'incertitude de mesure, jusqu'à la date d'expiration de la bouteille non-ouverte, si scellée, ou jusqu'à la date d'expiration de la bouteille ouverte (si indiquée), en présumant que le contenant est maintenu fermé et gardé dans les conditions d'entreposage indiquées. Les acheteurs seront avisés dans le cas où il y aura des changements significatifs nécessitant une re-certification ou un rappel du produit avant la date d'expiration.*

7.0 HAZARDOUS INFORMATION / *INFORMATION SUR LES RISQUES POTENTIELS*:

Please refer to the associated Safety Data Sheet (SDS) for information regarding this product (available at www.SCPSCIENCE.com). / *SVP vous référer à la Fiche Signalétique applicable pour de l'information sur ce produit (Disponible à www.SCPSCIENCE.com).*

8.0 HOMOGENEITY / *HOMOGÉNÉITÉ:*

This solution has been blended according to an in-house procedure and its homogeneity is guaranteed to be fit for purpose when a sample size sufficient for the intended method of analysis is used. / *Cette solution a été préparée selon une procédure maison et nous assurons que sa homogénéité est approprié à l'emploi lorsqu'un échantillon suffisant pour la méthode d'analyse prévue est utilisé.*

9.0 TRACEABILITY / *TRAÇABILITÉ*:

This CRM (Certified Reference Material) is traceable to the NIST SRM (Standard Reference Material) indicated in section 2 through an unbroken chain of comparisons. In addition, balances used are regularly calibrated using weights which are traceable to NIST (National Institute of Standards and Technology) or NRC (National Research Council of Canada) standards. All conductivity meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable Thermometer and standards. All pH meters used to analyze this standard have been regularly calibrated using a NIST or NRC traceable thermometer and pH/MV simulator. / *Ce matériel de référence certifié est traçable au Matériel de Référence Standardisé de NIST indiqué à la section 2 par une chaine de comparaison ininterrompue. De plus, les balances utilisées sont étalonnées régulièrement en utilisant des poids qui sont traçables au NIST (National Institute of Standards and Technology) ou au CRNC (Conseil National de Recherches Canada). Tout conductimètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et étalons traçables au NIST ou CNRC. Tout pH mètre utilisé afin d'analyser cet étalon a été sujet à un étalonnage périodique utilisant des thermomètres et un simulateur pH/MV traçables au NIST ou au CNRC.*

10.0 PREPARATION / *PRÉPARATION:*

For the preparation of these solutions, 18 meghom/cm double deionized water, high-purity acids and glassware calibrated to ASTM Class A specifications are used. / *Une eau de 18 meghom/cm doublement déionisé, de l'acide de haute pureté, ainsi que de la verrerie étalonnée afin de satisfaire les spécifications Classe A de ASTM ont été utilisés pour la préparation de cet étalon.*

11.0 QUALITY SYSTEM CERTIFICATIONS / *CERTIFICATIONS DE SYSTÈME QUALITÉ:*

ISO 9001 Certification / *Certification ISO 9001*: This standard was produced in a facility which operates under a **registered** ISO 9001 Quality Management System. Please consult our web site for a copy of the most recent revision of our certificate of registration. / *Cet étalon a été fabriqué dans un laboratoire qui utilise un Système de Gestion de la Qualité **enregistré** à la norme ISO 9001. Veuillez consulter notre site web pour obtenir la version la plus récente de notre certificat d'enregistrement.*

ISO 17025 Accreditation / *Accréditation ISO 17025*: **SCP SCIENCE (Corporate Headquarters)** operates an ISO 17025 **accredited** laboratory. Please consult our web site for a copy of the most recent revision of our certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est **accréditée** ISO 17025. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

ISO 17034 Accreditation / *Accréditation ISO 17034* : SCP SCIENCE (Corporate Headquarters) is an ISO 17034 accredited Reference Material Producer. Please consult our website for a copy of our most recent certificate and scope of accreditation. / ***SCP SCIENCE (Siège social)** est un Fabricant de Matériaux de Référence Accrédité ISO 17034. Veuillez consulter notre site web afin d'obtenir la plus récente version de notre certificat d'accréditation ainsi que la portée de notre accréditation.*

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Fax: +49 (0) 8342-89560-69

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211208 MSCAL2B		
Standard Name	MSCAL 2B	Type:	Primary
Date Prepared	12/8/2021	BY:	Stacy R. Hendricks
Date Expires:	12/8/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	S2-MEB704403		
Balance ID:			
Comments:	Opened 12/08/2021; Expires 12/08/2022		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Multi Analyte Custom Grade Solution	13793		mL	12/8/2022

Final Volume: mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES™
Refine your results. Redefine your industry.

Certificate of Analysis

300 Technology Drive
Christiansburg, VA 24073 USA
inorganicventures.com

P: 800-669-6799/540-585-3030
F: 540-585-3012
info@inorganicventures.com

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED
Testing Laboratory
Certificate 883.01

ACCREDITED
Reference Material Producer
Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	EL-MSCAL-2B
Lot Number:	S2-MEB704403
Matrix:	5% (v/v) HNO3
Value / Analyte(s):	100 µg/mL ea:

Aluminum, Arsenic,
Boron, Barium,
Beryllium, Cadmium,
Cobalt, Chromium,
Copper, Iron,
Manganese, Nickel,
Lead, Selenium,
Strontium, Thorium,
Thallium, Uranium,
Vanadium, Zinc,

40 µg/mL ea:
Silver

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ID #: 13793
Opened:
Multi Analyte Custom Grade Solution
Expires: 4/21/2025
Rec'd: 4/29/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Aluminum, Al	100.0 ± 0.4 µg/mL	Arsenic, As	100.0 ± 0.9 µg/mL
Barium, Ba	100.0 ± 0.5 µg/mL	Beryllium, Be	100.0 ± 0.7 µg/mL
Boron, B	100.0 ± 0.7 µg/mL	Cadmium, Cd	100.0 ± 0.5 µg/mL
Chromium, Cr	100.0 ± 0.8 µg/mL	Cobalt, Co	100.0 ± 0.6 µg/mL
Copper, Cu	100.0 ± 0.5 µg/mL	Iron, Fe	100.1 ± 0.4 µg/mL
Lead, Pb	100.0 ± 0.6 µg/mL	Manganese, Mn	100.0 ± 0.5 µg/mL
Nickel, Ni	100.0 ± 0.6 µg/mL	Selenium, Se	100.0 ± 0.7 µg/mL
Silver, Ag	39.99 ± 0.18 µg/mL	Strontium, Sr	100.0 ± 0.4 µg/mL
Thallium, Tl	100.0 ± 0.6 µg/mL	Thorium, Th	100.0 ± 0.5 µg/mL
Uranium, U	100.0 ± 0.5 µg/mL	Vanadium, V	100.0 ± 0.5 µg/mL
Zinc, Zn	100.0 ± 0.5 µg/mL		

Density: 1.033 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Ag	ICP Assay	3151	160729
Ag	Volhard	999c	999c
Al	ICP Assay	3101a	140903
Al	EDTA	928	928
As	ICP Assay	3103a	100818
B	ICP Assay	3107	110830
Ba	ICP Assay	3104a	140909
Ba	Gravimetric		See Sec. 4.2
Be	ICP Assay	3105a	090514
Cd	ICP Assay	3108	130116
Cd	EDTA	928	928
Co	ICP Assay	3113	190630
Co	EDTA	928	928
Cr	ICP Assay	3112a	170630
Cu	ICP Assay	3114	121207
Cu	EDTA	928	928
Fe	ICP Assay	3126a	140812
Fe	EDTA	928	928
Fe	Calculated		See Sec. 4.2
Mn	ICP Assay	3132	050429
Mn	EDTA	928	928
Ni	ICP Assay	3136	120619
Ni	EDTA	928	928
Pb	ICP Assay	3128	101026
Pb	EDTA	928	928
Se	ICP Assay	3149	100901
Se	Calculated		See Sec. 4.2
Sr	EDTA	928	928
Sr	ICP Assay	Traceable to 3153a	K2-SR650985
Sr	Calculated		See Sec. 4.2
Th	EDTA	928	928
Th	Calculated		See Sec. 4.2
Tl	ICP Assay	3158	151215
U	ICP Assay	3164	080521
U	Calculated		See Sec. 4.2
V	ICP Assay	3165	160906
V	EDTA	928	928
Zn	ICP Assay	3168a	120629
Zn	EDTA	928	928

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2 (u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Certified Abundance:

IV's Certified Abundance

Isotope	Atom %
Uranium 238U	99.8 ± 0.1
Uranium 235U	0.24 ± 0.05

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

Inorganic Ventures, 300 Technology Drive, Christiansburg, Va. 24073, USA; Telephone: 800.669.6799; 540.585.3030, Fax: 540.585.3012; inorganicventures.com; info@inorganicventures.com

11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

April 21, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- April 21, 2025

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

Energy Laboratories Inc

Standard LOG

Standard ID:	ME211221 MSCAL 3C		
Standard Name	MSCAL 3C	Type:	Primary
Date Prepared	12/21/2021	BY:	Stacy R. Hendricks
Date Expires:	12/21/2022		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	S2-MEB700780		
Balance ID:			
Comments:	Opened 12/21/21; expires 12/21/22		

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Multi Analyte Custom Grade Solution	13473	250	mL	12/21/2022

Final Volume:
250 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

INORGANIC VENTURES

CERTIFICATE OF ANALYSIS

1.0 ACCREDITATION / REGISTRATION

INORGANIC VENTURES is accredited to ISO 17034, "General Requirements for the Competence of Reference Material Producers" and ISO/IEC 17025, "General Requirements for the Competence of Testing and Calibration Laboratories". Inorganic Ventures is also an ISO 9001 registered manufacturer (QSR Certificate Number QSR-1034).

ACCREDITED Testing Laboratory Certificate 883.01 ACCREDITED Reference Material Producer Certificate 883.02

2.0 PRODUCT DESCRIPTION

Product Code:	Multi Analyte Custom Grade Solution
Catalog Number:	EL-MSCAL-3C
Lot Number:	S2-MEB700780
Matrix:	3% (v/v) HNO3 tr. HF
Value / Analyte(s):	400 µg/mL ea: Silicon, 100 µg/mL ea: Tin, Molybdenum, Titanium, Antimony

1-6-2025

ID #: 13473
Opened:_____
Multi Analyte Custom Grade Solution
Expires: 1/6/2025
Rec'd: 1/15/2021
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

3.0 CERTIFIED VALUES AND UNCERTAINTIES

ANALYTE	CERTIFIED VALUE	ANALYTE	CERTIFIED VALUE
Antimony, Sb	100.0 ± 0.8 µg/mL	Molybdenum, Mo	100.0 ± 0.6 µg/mL
Silicon, Si	399.9 ± 3.0 µg/mL	Tin, Sn	100.0 ± 0.6 µg/mL
Titanium, Ti	100.0 ± 0.7 µg/mL		

Density: 1.018 g/mL (measured at 20 ± 4 °C)

Assay Information:

ANALYTE	METHOD	NIST SRM#	SRM LOT#
Mo	ICP Assay	3134	130418
Sb	ICP Assay	3102a	140911
Si	ICP Assay	3150	130912
Sn	ICP Assay	3161a	140917
Ti	ICP Assay	3162a	130925

The following equations are used in the calculation of the certified value and the uncertainty. Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Characterization of CRM/RM by Two or More Methods

Certified Value, $X_{CRM/RM}$, where two or more methods of characterization are used is the weighted mean of the results:

$X_{CRM/RM} = \Sigma(w_i)(X_i)$

X_i = mean of Assay Method i with standard uncertainty $u_{char\ i}$

w_i = the weighting factors for each method calculated using the inverse square of the variance:

$w_i = (1/u_{char\ i})^2 / (\Sigma(1/(u_{char\ i})^2)$

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char} = [\Sigma((w_i)^2\,(u_{char\ i})^2)]^{1/2}$ where $u_{char\ i}$ are the errors from each characterization method

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

Characterization of CRM/RM by One Method

Certified Value, $X_{CRM/RM}$, where one method of characterization is used is the mean of individual results:

$X_{CRM/RM} = (X_a)\,(u_{char\ a})$

X_a = mean of Assay Method A with

$u_{char\ a}$ = the standard uncertainty of characterization Method A

CRM/RM Expanded Uncertainty (±) = $U_{CRM/RM} = k\,(u^2_{char\ a} + u^2_{bb} + u^2_{lts} + u^2_{ts})^{1/2}$

k = coverage factor = 2

$u_{char\ a}$ = the errors from characterization

u_{bb} = bottle to bottle homogeneity standard uncertainty

u_{lts} = long term stability standard uncertainty (storage)

u_{ts} = transport stability standard uncertainty

4.0 TRACEABILITY TO NIST

- This product is traceable to NIST via an unbroken chain of comparisons. The uncertainties for each certified value are reported, taking into account the SRM/RM uncertainty error and the measurement, weighing and volume dilution errors. In rare cases where no NIST SRM/RM are available, the term 'in-house std.' is specified.

4.1 Thermometer Calibration

- All thermometers are NIST traceable through thermometers that are calibrated by an accredited calibration laboratory.

4.2 Balance Calibration

- All analytical balances are calibrated by an accredited calibration laboratory and procedure. The weights used for testing are annually compared to master weights and are traceable to NIST.

4.3 Glassware Calibration

- An in-house procedure is used to calibrate all Class A glassware used in the manufacturing and quality control of CRM/RMs.

5.0 TRACE METALLIC IMPURITIES (TMI) DETERMINED BY ICP-MS AND ICP-OES (µg/mL)

N/A

6.0 INTENDED USE

- For the calibration of analytical instruments and validation of analytical methods as appropriate.

7.0 INSTRUCTIONS FOR THE CORRECT USE OF THIS REFERENCE MATERIAL

7.1 Storage and Handling Recommendations

- Store between approximately 4° - 30° C while in sealed TCT bag.

- While stored in the sealed TCT bag, transpiration of this CRM/RM is negligible. After opening the sealed TCT bag transpiration of the CRM/RM will occur, resulting in a gradual increase in the analyte concentration(s). It is the responsibility of the user to account for this effect. When the bottle is weighed both before and after being placed in storage, the mass difference observed will be a measure of transpiration mass loss.

- After opening the sealed TCT bag, keep cap tightly sealed when not in use and store between 4° - 24° C to minimize the effects of transpiration. Use at 20° ± 4° C to minimize volumetric dilution error when using the reported density. Do not pipette from the container. Do not return removed aliquots to container.

- For more information, visit **www.inorganicventures.com/TCT**

HF Note: This standard should not be prepared or stored in glass.

8.0 HAZARDOUS INFORMATION

- Please refer to the Safety Data Sheet for information regarding this CRM/RM.

9.0 HOMOGENEITY

- This solution was mixed according to an in-house procedure and is guaranteed to be homogeneous. Homogeneity data indicate that the end user should take a minimum sample size of 0.2 mL to assure homogeneity.

10.0 QUALITY STANDARD DOCUMENTATION

10.1 ISO 9001 Quality Management System Registration

- QSR Certificate Number QSR-1034

10.2 ISO/IEC 17025 "General Requirements for the Competence of Testing and Calibration Laboratories"

- Chemical Testing - Accredited / A2LA Certificate Number 883.01

10.3 ISO 17034 "General Requirements for the Competence of Reference Material Producers"

- Reference Material Producer - Accredited / A2LA Certificate Number 883.02

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11.0 CERTIFICATION, LOT EXPIRATION AND PERIOD OF VALIDITY

11.1 Certification Issue Date

January 06, 2021

- The certification is valid within the measurement uncertainty specified provided the CRM/RM is stored and handled in accordance with instructions given in Sec 7.1. This certification is nullified if instructions in Sec 7.1 are not followed or if the CRM/RM is damaged, contaminated, or otherwise modified.

11.2 Lot Expiration Date

- January 06, 2025

- The date after which this CRM/RM should not be used.

- The lot expiration date reflects the period of time that the stability of a CRM/RM can be supported by long term stability studies conducted on properly stored and handled CRM/RMs. Lot expiration is limited primarily by transpiration (loss of water from the solution) and infrequently by chemical stability.

11.3 Period of Validity

- Sealed TCT Bag Open Date: _____

- This CRM/RM should not be used longer than one year (or six months in the case of a 30 mL bottle) from the date of opening the aluminized bag or after the date given in Sec. 11.2, whichever comes first. This is contingent upon the CRM/RM being stored and handled in accordance with the instructions given in Sec. 7.1.

12.0 NAMES AND SIGNATURES OF CERTIFYING OFFICERS

Certificate Approved By:

Michael Booth
Director, Quality Control

Michael J Booth

Certifying Officer:

Paul Gaines
Chairman / Senior Technical Director

Paul R Gaines

Energy Laboratories Inc

Standard LOG

Standard ID:	ME220110 CE, LA PRIMARY		
Standard Name	Ce, La Primary	Type:	Secondary
Date Prepared	1/10/2022	BY:	Amanda E. McDani
Date Expires:	1/6/2023		
Department	ME	Status:	Open
Vendor:	Inorganic Ventures		
Lot Number:	M2-CE657768/M2-		
Balance ID:			

Comments: Used to make standards and spiking solutions; No primary La available

Chemical / Solvent Used	BottleNo	Amt	Units	Expires
Nitric Acid 69.0- 70.0% D0521	14626	0.5	mL	12/14/2026
Milli-Q H2O	391	39.5	mL	6/1/2100

Final Volume:
50 mL

Stock Source		**Base Units**	**Amount Added**
ME220106-CE	Ce Primary Stock	ug/mL	5 mL

Analytes	**CAS**	Conc:	**ug/mL**

Energy Laboratories Inc

ANALYTICAL RUN Summary

13-Jan-22

Run ID GCFID-HP5-B_220111A

Run Start Date:	1/11/2022
Analyst:	Ann Nebel
Ical:	
Column ID:	
Comments:	ICAL-SW8015C_DRO220111JA.CAL

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
DRO211012B	#2 Diesel in Acetone 150,000 ug/mL					ICV	11/5/2023
DRO211101A	OTP-4000 ug/mL DCM					OTP-CAL	9/30/2024
DRO211214C	Diesel Fuel #2 50,000 ug/mL in DCM					CCV-CAL	4/30/2023
DRO220102D	ALASKA MARKER-200ug/mL					MARKER	5/31/2022

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14976981	CCV_0111HP50	HC-8015-DRO-	CCV		1/11/2022 8:59:2	1	R373149		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		3.205893		15	0	0	0.0749	0.3	50	21%	80	120	0%	S
o-Terphenyl	S	mg/L		0.1968894		0.2	0	0	0.000429	0.002	0	98%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14976982	CCV_0111HP50	HC-8015-DRO-	CAL1		1/11/2022 10:25:	1	R373149		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
o-Terphenyl	S	mg/L		0.00201677		0.002	0	0	0.000429	0.002	0	101%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14976983	CCV_0111HP50	HC-8015-DRO-	CAL2		1/11/2022 11:08:	1	R373149		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
o-Terphenyl	S	mg/L		0.0489019		0.05	0	0	0.000429	0.002	0	98%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14976984	CCV_0111HP50	HC-8015-DRO-	CAL3		1/11/2022 11:51:	1	R373149		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
o-Terphenyl	S	mg/L		0.2047389		0.2	0	0	0.000429	0.002	0	102%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14976985	CCV_0111HP50	HC-8015-DRO-	CAL4		1/11/2022 12:34:	1	R373149		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
o-Terphenyl	S	mg/L		0.4884362		0.5	0	0	0.000429	0.002	0	98%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14976986	CCV_0111HP50	HC-8015-DRO-	CAL5		1/11/2022 1:17:0	1	R373149		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
o-Terphenyl	S	mg/L		1.013008		1	0	0	0.000429	0.002	0	101%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14976987	CCV_0111HP50	HC-8015-DRO-	CAL1		1/11/2022 1:59:5	1	R373149		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		0.1635249		0.15	0	0	0.0749	0.3	50	109%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14976989	CCV_0111HP51	HC-8015-DRO-	CAL2		1/11/2022 2:42:3	1	R373149		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		3.698293		3.75	0	0	0.0749	0.3	50	99%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14976990	CCV_0111HP51	HC-8015-DRO-	CAL3		1/11/2022 3:25:2	1	R373149		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		14.75864		15	0	0	0.0749	0.3	50	98%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14976991	CCV_0111HP51	HC-8015-DRO-	CAL4		1/11/2022 4:08:0	1	R373149		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		36.29137		37.5	0	0	0.0749	0.3	50	97%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14976992	CCV_0111HP51	HC-8015-DRO-	CAL5		1/11/2022 4:51:0	1	R373149		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		48.59718		50	0	0	0.0749	0.3	50	97%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14976993	CCV_0111HP51	HC-8015-DRO-	ICV		1/11/2022 5:34:2	1	R373149		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Total Extractable Hydrocarbons	A	mg/L		14.05379		15	0	0	0.0749	0.3	50	94%	80	120	0%	

Write Sequence Data File	Insert Entries(Have the first cell for entries selecte Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
G:\org\HP5\DAT\HP5011122_b\0111HP5.01r	DCM-Baseline Check-V01	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.02r	CCV_0111HP502r, DRO ;0111HP5 , DRO220102D	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.03r	DCM-Baseline Check-V03	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.04r	CCV_0111HP504r, CAL1 ;0111HP5 , 2 ug per mL OTP (10 uL of Cal3 + 990 uL DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.05r	CCV_0111HP505r, CAL2 ;0111HP5 , 50 ug per mL OTP (100 uL Cal4 + 900 uL of DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.06r	CCV_0111HP506r, CAL3 ;0111HP5 , 200 ug per mL OTP (100uL of Cal5 + 400 uL DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.07r	CCV_0111HP507r, CAL4 ;0111HP5 , 500 ug per mL OTP (250uL of Cal5 + 250 uL DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.08r	CCV_0111HP508r, CAL5 ;0111HP5 , 1000 ug per mL OTP (250 uL 4000 ug/mL OTP DRO211101A + 750 DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.09r	CCV_0111HP509r, CAL1 ;0111HP5 , 150 ug per mL Diesel (20 uL of Cal3 + 980 uL DCM(14647), then 100 uL of that + 100 uL of DCM (14647))	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.10r	CCV_0111HP510r, CAL2 ;0111HP5 , 3750 ug per mL Diesel (100 uL Cal4 + 900 uL of DCM(14647)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.11r	CCV_0111HP511r, CAL3 ;0111HP5 , 15000 ug per mL Diesel (300 uL of DRO211214C + 700 uL DCM(14647)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.12r	CCV_0111HP512r, CAL4 ;0111HP5 , 37500ug per mL Diesel (750 uL of DRO211214C + 250 uL DCM(14647)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.13r	CCV_0111HP513r, CAL5 ;0111HP5 , 50000 ug per mL Diesel (200 uL of DRO211214C)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.14r	CCV_0111HP514r, Second Source ;0111HP5 , 15000 ug per mL (100uL of DRO211012B + 900uL DCM(14647)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0

File Name: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Version: 12

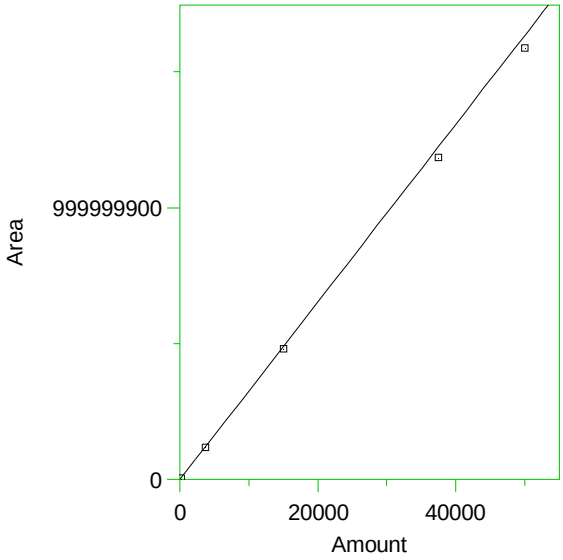
Creator: AMN 01/13/2022
Description: 8015C-DRO. New ICal Per 0111HP5 (2022)-2 uL Inj.; COD added using OTP RFs
Reason for change:

External standard calibration
Standard injection volume: 1
Standard sample weight: 1
Area reject threshold: 500
Reference peak area reject threshold: 500
Amount units: nanograms
No default component

Method of calculating data point averages: Equal weight for all updates
No calibration update report

All levels are normal data points.

1 DRO Range Start



Expected retention time:	6.68 minutes
Search window:	0.05 minutes
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by area

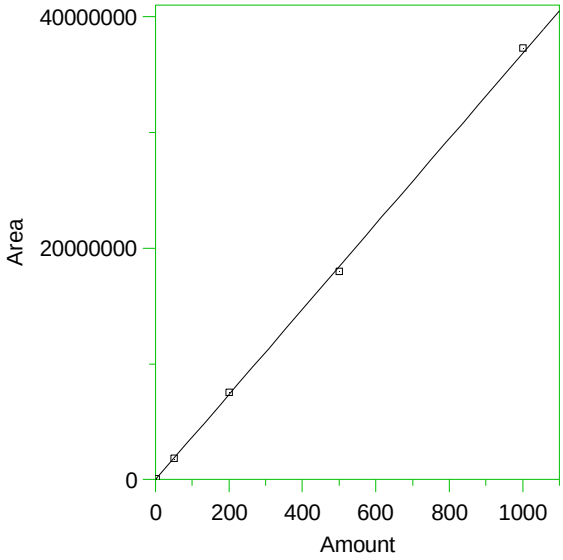
Y = 32675.36 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9980255
Average error:	3.607%
Average CF:	32675.36
RSD:	5.100%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	150	5343235	35621.57	9.017	Manual	1/13/2022 12:28:36 PM
2	3750	1.20843E+08	32224.8	-1.379	Manual	1/13/2022 12:29:11 PM
3	15000	4.82244E+08	32149.6	-1.609	Manual	1/13/2022 12:29:24 PM
4	37500	1.185834E+09	31622.24	-3.223	Manual	1/13/2022 12:29:37 PM
5	50000	1.58793E+09	31758.6	-2.806	Manual	1/13/2022 12:28:57 PM

2 *o-Terphenyl



Expected retention time: 12.35 minutes
Search window: 0.05 minutes
No retention time reference component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 0

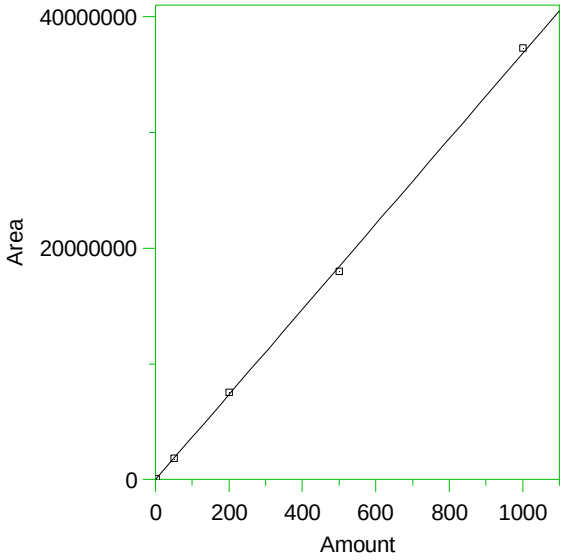
Single peak quantification by area

Y = 36857.86 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9995278
Average error: 1.804%
Average CF: 36857.86
RSD: 2.132%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	2	74333.97	37166.98	0.839	G:\Org\HP5\DAT\HP5011122_b\0111HP5.0004.BND	1/13/2022 12:27:15 PM
2	50	1802420	36048.4	-2.196	G:\Org\HP5\DAT\HP5011122_b\0111HP5.0005.BND	1/13/2022 12:27:23 PM
3	200	7546240	37731.2	2.369	G:\Org\HP5\DAT\HP5011122_b\0111HP5.0006.BND	1/13/2022 12:27:28 PM
4	500	1.800271E+07	36005.42	-2.313	G:\Org\HP5\DAT\HP5011122_b\0111HP5.0007.BND	1/13/2022 12:27:34 PM
5	1000	3.733731E+07	37337.31	1.301	G:\Org\HP5\DAT\HP5011122_b\0111HP5.0008.BND	1/13/2022 12:27:40 PM

3 *1-Chlorooctadecane



Expected retention time:	13.16 minutes
Search window:	0.05 minutes
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by area

Y = 36857.86 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9995278
Average error:	1.804%
Average CF:	36857.86
RSD:	2.132%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	2	74333.97	37166.98	0.839	Manual	1/13/2022 12:27:45 PM
2	50	1802420	36048.4	-2.196	Manual	1/13/2022 12:27:47 PM
3	200	7546240	37731.2	2.369	Manual	1/13/2022 12:27:49 PM
4	500	1.800271E+07	36005.42	-2.313	Manual	1/13/2022 12:27:51 PM
5	1000	3.733731E+07	37337.31	1.301	Manual	1/13/2022 12:27:53 PM

Write Sequence	Insert Entries(Have the first cell for entries selecte								
Data File	Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.01r	DCM-Baseline Check-V01	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0	No Integration
G:\org\HP5\DAT\HP5011122_b\0111HP5.02r	CCV_0111HP502r, DRO ;0111HP5 , DRO220102D	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	No Integration
G:\org\HP5\DAT\HP5011122_b\0111HP5.03r	DCM-Baseline Check-V03	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0	No Integration
G:\org\HP5\DAT\HP5011122_b\0111HP5.04r	CCV_0111HP504r, CAL1 ;0111HP5 , 2 ug per mL OTP (10 uL of Cal3 + 990 uL DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 12.01 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.05r	CCV_0111HP505r, CAL2 ;0111HP5 , 50 ug per mL OTP (100 uL Cal4 + 900 uL of DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 12.01 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.06r	CCV_0111HP506r, CAL3 ;0111HP5 , 200 ug per mL OTP (100uL of Cal5 + 400 uL DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 12.01 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.07r	CCV_0111HP507r, CAL4 ;0111HP5 , 500 ug per mL OTP (250uL of Cal5 + 250 uL DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 12.01 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.08r	CCV_0111HP508r, CAL5 ;0111HP5 , 1000 ug per mL OTP (250 uL 4000 ug/mL OTP DRO211101A + 750 DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 12.01 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.09r	CCV_0111HP509r, CAL1 ;0111HP5 , 150 ug per mL Diesel (20 uL of Cal3 + 980 uL DCM(14647), then 100 uL of that + 100 uL of DCM (14647))	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline on All Valley on at 16.36 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.10r	CCV_0111HP510r, CAL2 ;0111HP5 , 3750 ug per mL Diesel (100 uL Cal4 + 900 uL of DCM(14647)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline on All Valley on at 16.36 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.11r	CCV_0111HP511r, CAL3 ;0111HP5 , 15000 ug per mL Diesel (300 uL of DRO211214C + 700 uL DCM(14647)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline on All Valley on at 16.36 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.12r	CCV_0111HP512r, CAL4 ;0111HP5 , 37500ug per mL Diesel (750 uL of DRO211214C + 250 uL DCM(14647)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline on All Valley on at 16.36 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.13r	CCV_0111HP513r, CAL5 ;0111HP5 , 50000 ug per mL Diesel (200 uL of DRO211214C)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline on All Valley on at 16.36 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.14r	CCV_0111HP514r, Second Source ;0111HP5 , 15000 ug per mL (100uL of DRO211012B + 900uL DCM(14647)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline on All Valley on at 16.36 minutes.

Ann Nebel

Digitally signed by
Ann Nebel
Date: 2022.02.11 10:29:19 -07:00

Write Sequence / Data File	Insert Entries(Have the first cell for entries selected) / Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.01r	DCM-Baseline Check-V01	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0	No Integration
G:\org\HP5\DAT\HP5011122_b\0111HP5.02r	CCV_0111HP502r, DRO ;0111HP5 , DRO220102D	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	No Integration
G:\org\HP5\DAT\HP5011122_b\0111HP5.03r	DCM-Baseline Check-V03	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0	No Integration
G:\org\HP5\DAT\HP5011122_b\0111HP5.04r	CCV_0111HP504r, CAL1 ;0111HP5 , 2 ug per mL OTP (10 uL of Cal3 + 990 uL DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 12.01 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.05r	CCV_0111HP505r, CAL2 ;0111HP5 , 50 ug per mL OTP (100 uL Cal4 + 900 uL of DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 12.01 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.06r	CCV_0111HP506r, CAL3 ;0111HP5 , 200 ug per mL OTP (100uL of Cal5 + 400 uL DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 12.01 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.07r	CCV_0111HP507r, CAL4 ;0111HP5 , 500 ug per mL OTP (250uL of Cal5 + 250 uL DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 12.01 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.08r	CCV_0111HP508r, CAL5 ;0111HP5 , 1000 ug per mL OTP (250 uL 4000 ug/mL OTP DRO211101A + 750 DCM(14647)	G:\Org\HP5\Methods\DS_8015-JA-L#.met	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 12.01 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.09r	CCV_0111HP509r, CAL1 ;0111HP5 , 150 ug per mL Diesel (20 uL of Cal3 + 980 uL DCM(14647), then 100 uL of that + 100 uL of DCM (14647))	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline on All Valley on at 16.36 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.10r	CCV_0111HP510r, CAL2 ;0111HP5 , 3750 ug per mL Diesel (100 uL Cal4 + 900 uL of DCM(14647)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline on All Valley on at 16.36 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.11r	CCV_0111HP511r, CAL3 ;0111HP5 , 15000 ug per mL Diesel (300 uL of DRO211214C + 700 uL DCM(14647)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline on All Valley on at 16.36 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.12r	CCV_0111HP512r, CAL4 ;0111HP5 , 37500ug per mL Diesel (750 uL of DRO211214C + 250 uL DCM(14647)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline on All Valley on at 16.36 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.13r	CCV_0111HP513r, CAL5 ;0111HP5 , 50000 ug per mL Diesel (200 uL of DRO211214C)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline on All Valley on at 16.36 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.14r	CCV_0111HP514r, Second Source ;0111HP5 , 15000 ug per mL (100uL of DRO211012B + 900uL DCM(14647)	G:\Org\HP5\Methods\DC_8015-JA-L%.met	1	1	1	1	0	The integration of Diesel Range Organics and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the baseline. Assigned Set Baseline on All Valley on at 16.36 minutes.

Digitally signed by
Ann Nebel
Date: 2022.02.11 10:29:19 -07:00

Energy Laboratories Inc

ANALYTICAL RUN Summary

14-Jan-22

Run ID GCFID-HP5-B_220111C

Run Start Date:	1/11/2022
Analyst:	Ann Nebel
Ical:	
Column ID:	
Comments:	ICAL-SW8015C_ORO220111BA.CAL with Triacontane

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
DRO210902A	50,000 ug/mL Oil Std for RRO-In DCM					ICV	9/1/2026
DRO211006A	Triacontane SURR 2000 ug/mL					CAL-SURR	4/6/2026
DRO211118A	50,000 ug/mL Oil Std For AK103 RRO-In DCM					CAL-ORO	10/31/2028

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14977288	CCV_0111HP52	HC-8015-DRO-	CAL1		1/12/2022 3:39:1	1	R373160		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
n-Triacontane	S	mg/L		0.00190245		0.002	0	0	0.000336	0.002	0	95%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14977289	CCV_0111HP52	HC-8015-DRO-	CAL2		1/12/2022 4:22:1	1	R373160		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
n-Triacontane	S	mg/L		0.04984459		0.05	0	0	0.000336	0.002	0	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14977290	CCV_0111HP53	HC-8015-DRO-	CAL3		1/12/2022 5:05:2	1	R373160		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
n-Triacontane	S	mg/L		0.2024053		0.2	0	0	0.000336	0.002	0	101%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14977291	CCV_0111HP53	HC-8015-DRO-	CAL4		1/12/2022 5:48:3	1	R373160		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
n-Triacontane	S	mg/L		0.5035697		0.5	0	0	0.000336	0.002	0	101%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14977292	CCV_0111HP55	HC-8015-DRO-	CAL5		1/12/2022 8:49:5	1	R373160		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
n-Triacontane	S	mg/L		1.032718		1	0	0	0.000336	0.002	0	103%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14977293	CCV_0111HP55	HC-8015-DRO-	CAL1		1/13/2022 3:06:1	1	R373160		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		0.15954587		0.15	0	0	0.0879	0.3	0	106%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14977294	CCV_0111HP55	HC-8015-DRO-	CAL2		1/13/2022 4:31:3	1	R373160		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		1.03294141		1	0	0	0.0879	0.3	0	103%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14977295	CCV_0111HP55	HC-8015-DRO-	CAL3		1/13/2022 5:57:4	1	R373160		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		4.9326875		5	0	0	0.0879	0.3	0	99%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14977296	CCV_0111HP56	HC-8015-DRO-	CAL4		1/13/2022 7:24:1	1	R373160		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		14.328667		15	0	0	0.0879	0.3	0	96%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14977297	CCV_0111HP56	HC-8015-DRO-	CAL5		1/13/2022 8:50:3	1	R373160		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		28.7914395		30	0	0	0.0879	0.3	0	96%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14977298	CCV_0111HP56	HC-8015-DRO-	ICV		1/14/2022 8:18:1	0	R373160		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		5.07699902		5	0	0	0	0.3	0	102%	80	120	0%	

Write Sequence	Insert Entries(Have the first cell for entries selecte							
Data File	Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
G:\org\HP5\DAT\HP5011122_b\0111HP5.25r	DCM-Baseline Check-V25	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.26r	Marker_0111HP526r, DRO ;0111HP5 , DRO220111A	g:\org\HP5\Methods\\CSC210212.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.27r	DCM-Baseline Check-V27	G:\Org\HP5\Methods\DR_8015-HS-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.28r	CCV_0111HP528r, CAL1 ;0111HP5 , 2 ug per mL Triacontane (10 uL of Cal3 + 990 uL DCM(14647)	G:\Org\HP5\Methods\DS_ORO-BA-L#.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.29r	CCV_0111HP529r, CAL2 ;0111HP5 , 50 ug per mL Triacontane (100 uL Cal4 + 900 uL of DCM(14647)	G:\Org\HP5\Methods\DS_ORO-BA-L#.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.30r	CCV_0111HP530r, CAL3 ;0111HP5 , 200 ug per mL Triacontane (100uL of Cal5 + 400 uL DCM(14647)	G:\Org\HP5\Methods\DS_ORO-BA-L#.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.31r	CCV_0111HP531r, CAL4 ;0111HP5 , 500 ug per mL Triacontane (250uL of Cal5 + 250 uL DCM(14647)	G:\Org\HP5\Methods\DS_ORO-BA-L#.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.32r	DCM-Baseline Check-V33	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.50r	CCV_0111HP550r, CAL5 ;0111HP5 , 1000 ug per mL Triacontane (DRO211006A)	G:\Org\HP5\Methods\DS_ORO-BA-L#.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.51r	DCM-Baseline Check-V51	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.52r	DCM-Baseline Check-V52	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.53r	Marker_0111HP553r, DRO ;0111HP5 , DRO220111A	g:\org\HP5\Methods\\CSC210212.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.54r	DCM-Baseline Check-V54	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.55r	CCV_0111HP555r, CAL1 ;0111HP5 , 150 ug per mLOil (10 uL of Cal4 + 990 uL DCM(14647)	G:\Org\HP5\Methods\DC_ORO-55-BA-L%.xls	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.56r	DCM-Baseline Check-V56	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.57r	CCV_0111HP557r, CAL2 ;0111HP5 , 1000 ug per mL Oil (200 uL of Cal 3 +800 uL DCM(14647)	G:\Org\HP5\Methods\DC_ORO-57-BA-L%.xls	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.58r	DCM-Baseline Check-V58	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.59r	CCV_0111HP559r, CAL3 ;0111HP5 , 5000 ug per mL Oil (100 uL of DRO211118A + 900 uL DCM(14647)	G:\Org\HP5\Methods\DC_ORO-59-BA-L%.xls	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.60r	DCM-Baseline Check-V60	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.61r	CCV_0111HP561r, CAL4 ;0111HP5 , 15000 ug per mL Oil (200 uL of CAL5 + 200 uL DCM(14647)	G:\Org\HP5\Methods\DC_ORO-61-BA-L%.xls	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.62r	DCM-Baseline Check-V62	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.63r	CCV_0111HP563r, CAL5 ;0111HP5 , 30000 ug per mL Oil (600 uL of DRO211118A + 400 uL of DCM)	G:\Org\HP5\Methods\DC_ORO-BA-L%.xls	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.64r	DCM-Baseline Check-V64	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.65r	DCM-Baseline Check-V65	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.66r	DCM-Baseline Check-V66	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.68r	DCM-Baseline Check-V68	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5011122_b\0111HP5.69r	CCV_0111HP567r, Second Source ;0111HP5 , 5000 ug per mL (100uL of DRO210902A + 900uL DCM(14647)	G:\Org\HP5\Methods\DC_ORO-59-BA-L%.xls	1	1	1	1	0

File Name: G:\Org\HP5\Cals\SW8015C_ORO220111BA.CAL
Version: 11

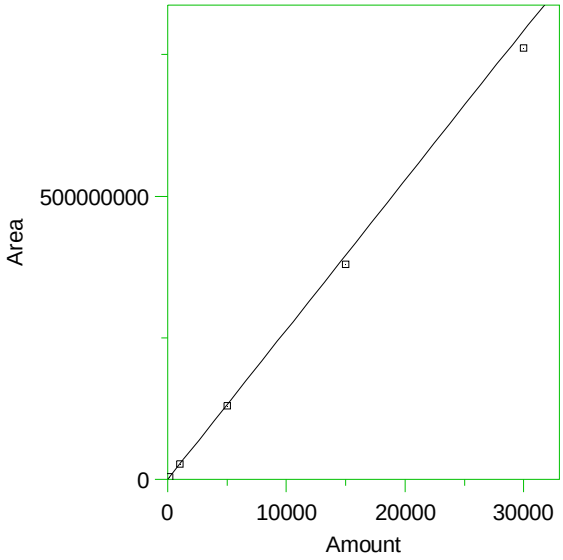
Creator: AMN
Description: 8015C-Oil Range with Triacontane. New ICal Per 0111HP5,(2022)-2 uL Inj.;
Reason for change:

External standard calibration
Standard injection volume: 1
Standard sample weight: 1
Area reject threshold: 500
Reference peak area reject threshold: 500
Amount units: nanograms
No default component

Method of calculating data point averages: Equal weight for all updates
No calibration update report

All levels are normal data points.

1 *30-40 Motor Oil



Expected retention time:	6.4 minutes
Search window:	0.05 minutes
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

Single peak quantification by area

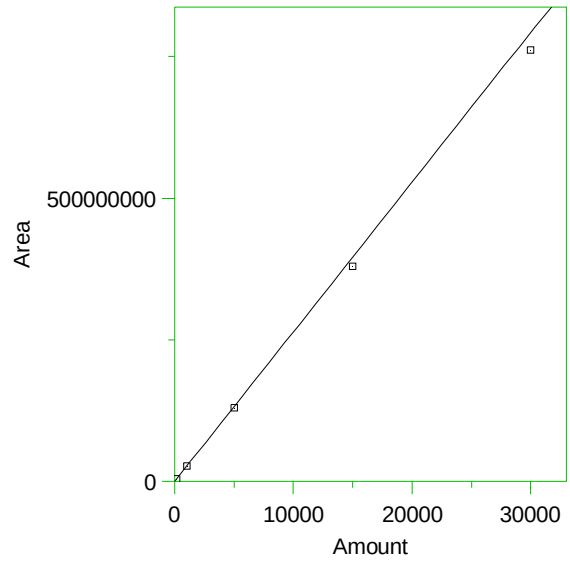
Y = 26424.55 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9969108
Average error:	3.495%
Average CF:	26424.55
RSD:	4.293%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	150	4177025	27846.83	5.382	Manual	1/14/2022 7:51:42 AM
2	1000	2.73111E+07	27311.1	3.355	Manual	1/14/2022 8:05:40 AM
3	5000	1.313247E+08	26264.94	-0.604	Manual	1/14/2022 8:05:24 AM
4	15000	3.796282E+08	25308.55	-4.223	Manual	1/14/2022 8:05:07 AM
5	30000	7.617404E+08	25391.35	-3.910	Manual	1/14/2022 8:04:35 AM

2 #C20



Expected retention time: 12.56 minutes
Search window: 0.05 minutes
No retention time reference component
Group number: 0

High alarm limit: 0
Low alarm limit: 0
Component constant: 0

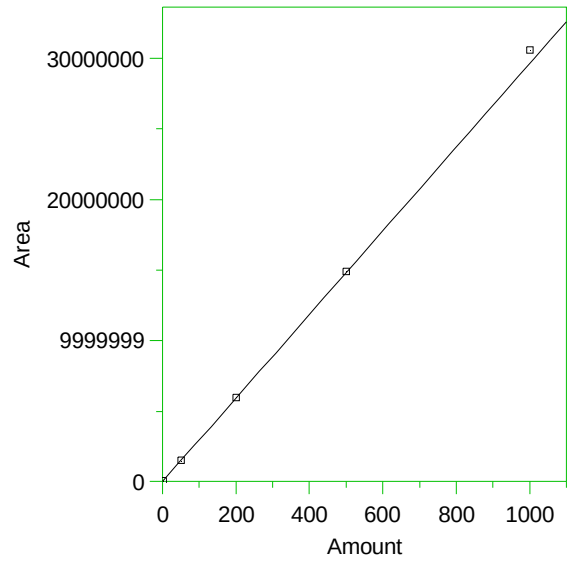
Single peak quantification by area

Y = 26424.55 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9969108
Average error: 3.495%
Average CF: 26424.55
RSD: 4.293%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	150	4177025	27846.83	5.382	Manual	1/14/2022 8:06:03 AM
2	1000	2.73111E+07	27311.1	3.355	Manual	1/14/2022 8:06:05 AM
3	5000	1.313247E+08	26264.94	-0.604	Manual	1/14/2022 8:06:06 AM
4	15000	3.796282E+08	25308.55	-4.223	Manual	1/14/2022 8:06:11 AM
5	30000	7.617404E+08	25391.35	-3.910	Manual	1/14/2022 8:06:13 AM

3 *#Triacontane



Expected retention time:	16.44 minutes
Search window:	0.05 minutes
No retention time reference component	
Group number:	0
High alarm limit:	0
Low alarm limit:	0
Component constant:	0

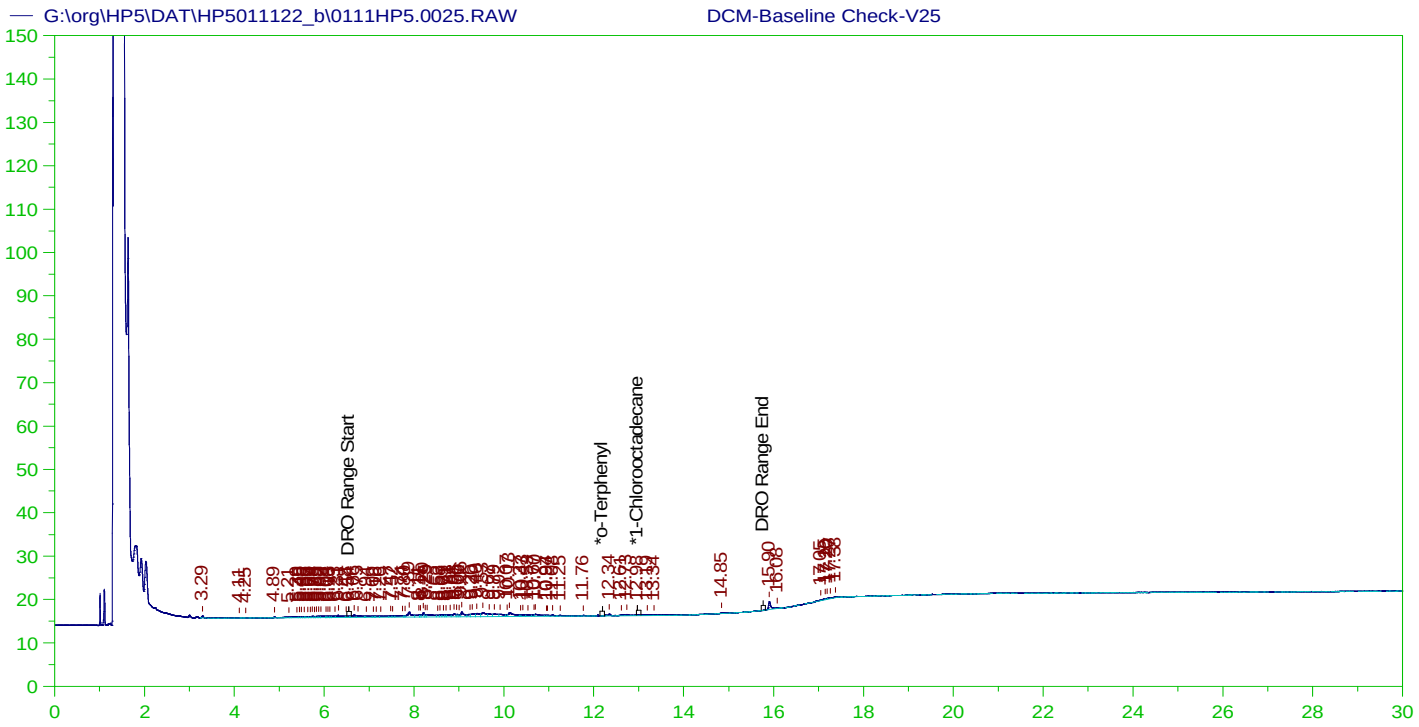
Single peak quantification by area

Y = 29636.1 X + 0

Average CF fit with equal weighting, forced to origin

Coefficient of determination:	0.9984925
Average error:	2.075%
Average CF:	29636.1
RSD:	3.023%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	2	56381.2	28190.6	-4.878	Manual	1/13/2022 12:38:47 PM
2	50	1477199	29543.98	-0.311	Manual	1/13/2022 12:38:50 PM
3	200	5998503	29992.52	1.203	Manual	1/13/2022 12:38:53 PM
4	500	1.492384E+07	29847.68	0.714	Manual	1/13/2022 12:38:56 PM
5	1000	3.060573E+07	30605.73	3.272	Manual	1/13/2022 12:39:03 PM

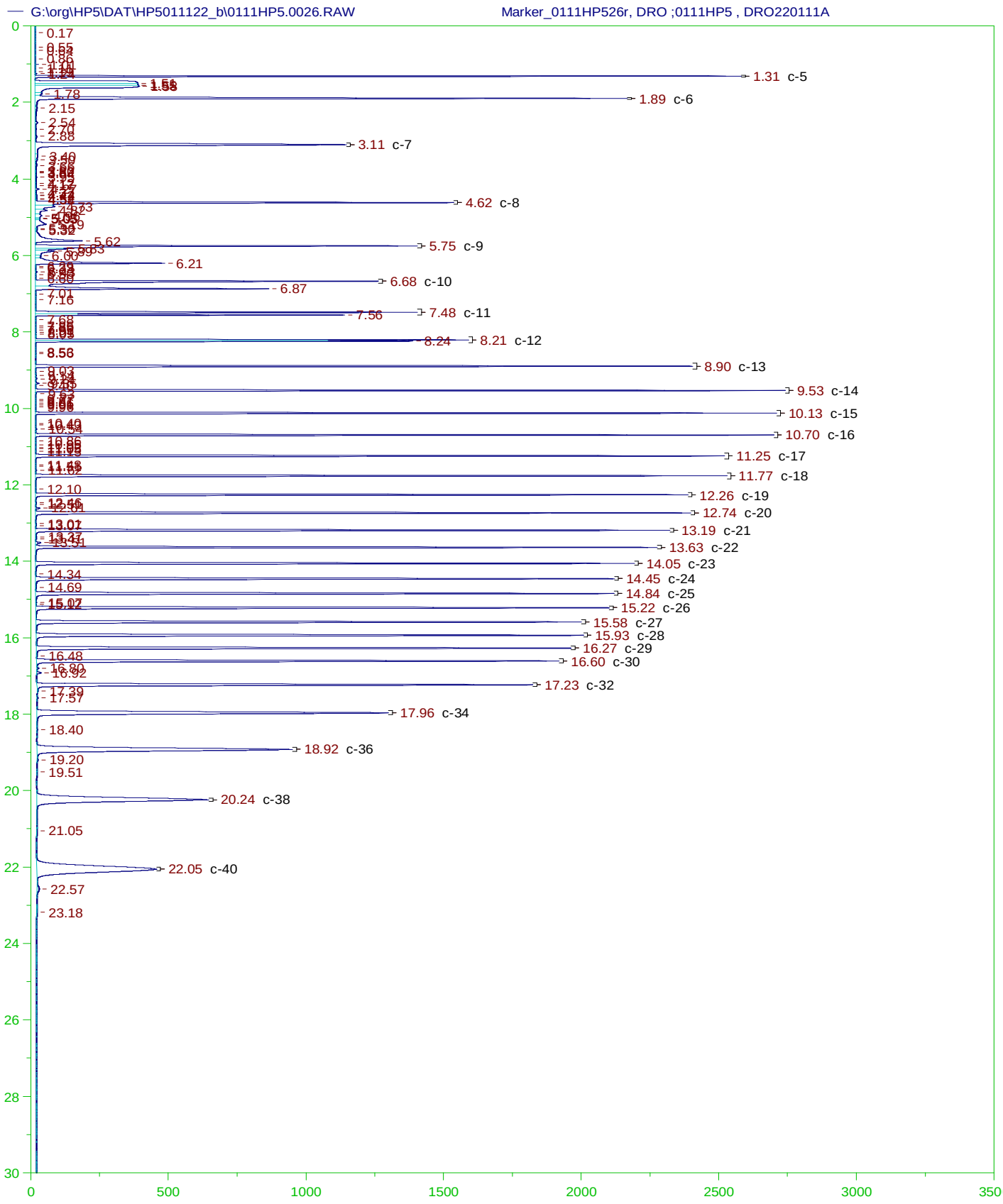


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V25
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0025.RAW
Date & Time Acquired: 1/12/2022 1:29:46 AM
Method File: G:\Org\HP5\Methods\DR_8015-IC-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO211102IC.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

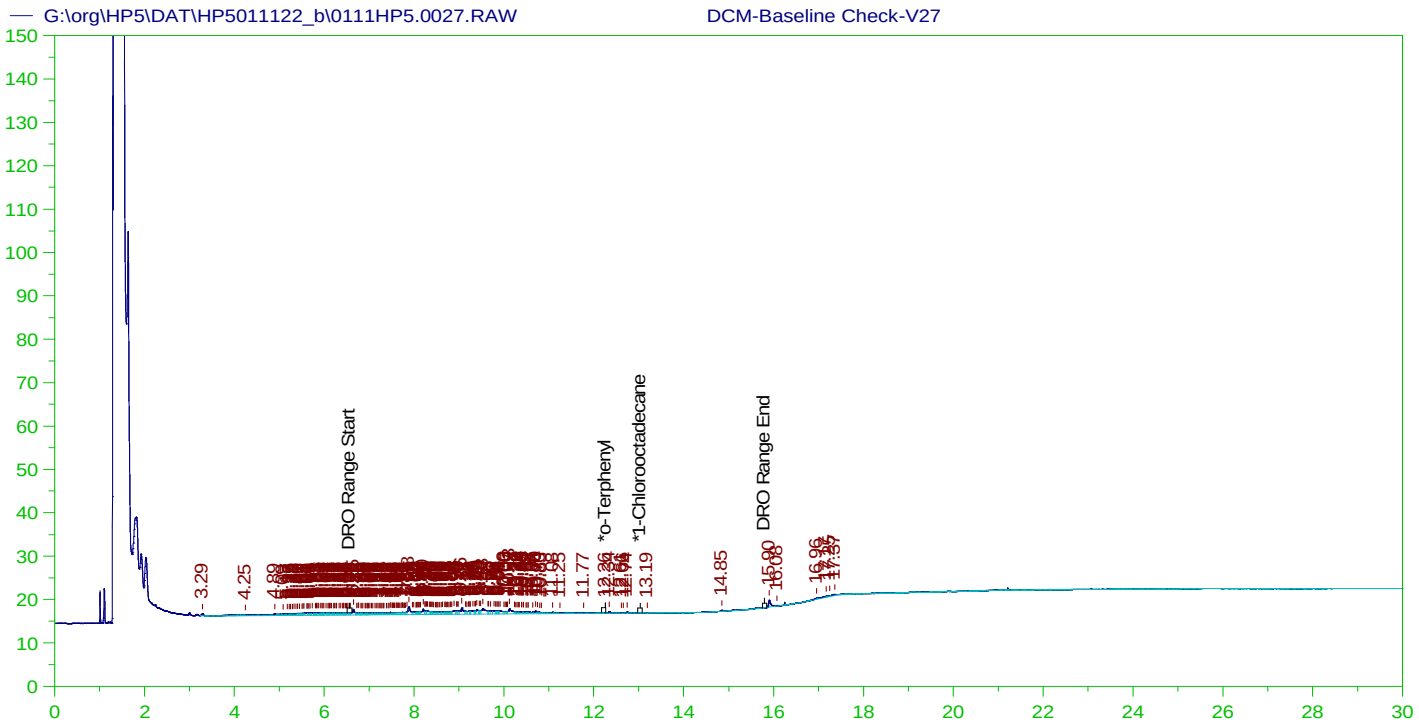
Mean RF for TEH: 31353.19
Rt range for Diesel Range Organics: 6.5 to 15.82

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
*o-Terphenyl	29.899	200.	.	-
*1-Chlorooctadecane	12.975	200.	.017	.01 -

DRO Area:132028.6 DRO Amount: 4.211011
TEH Area:186308.4 TEH Amount: 5.942247



G:\org\HP5\dat\HP5011122_b\Review\026_Marker_0111HP526r_CSC220111.xls

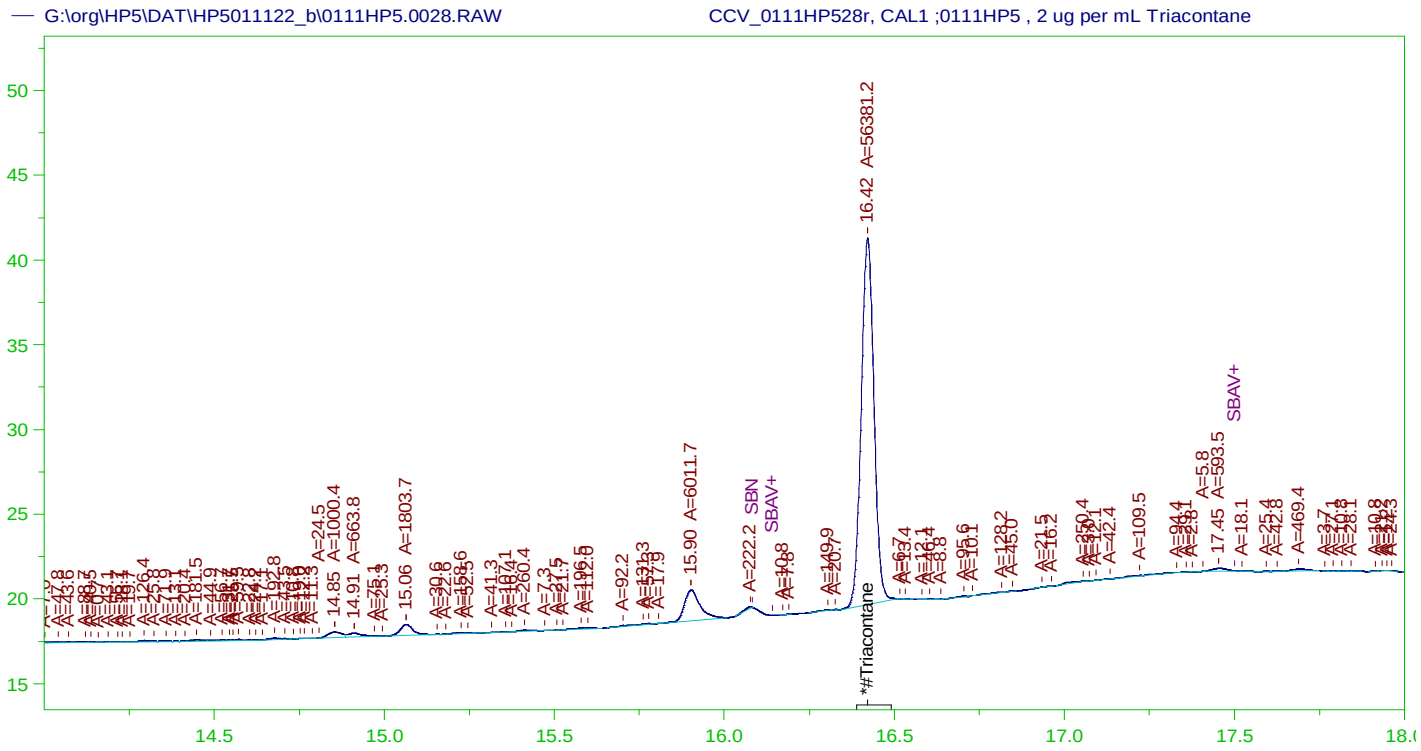


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V27
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0027.RAW
Date & Time Acquired: 1/12/2022 2:56:04 AM
Method File: G:\Org\HP5\Methods\DR_8015-HS-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108Hs.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.51 to 15.85

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.261	200.	.017	.01	-
*1-Chlorooctadecane	29.983	200.	.	.	-

DRO Area:193795.7 DRO Amount: 6.578862
TEH Area:272770 TEH Amount: 9.259835



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: CCV_0111HP528r, CAL1 ;0111HP5 , 2 ug per mL Triacontane
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0028.RAW
Date & Time Acquired: 1/12/2022 3:39:11 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BA-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111ba.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41
Rt range for Residual Range Organics: 12.51 to 30.05

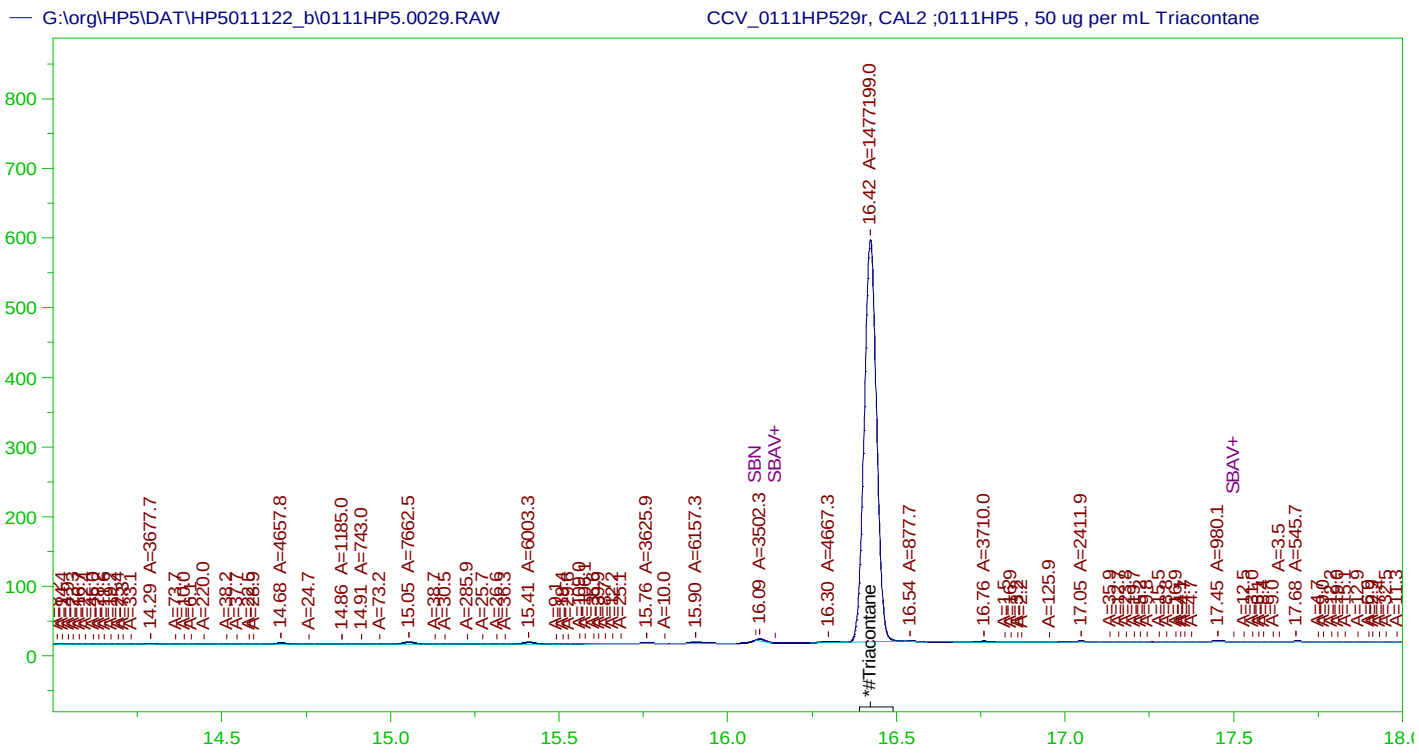
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.421	500.	1.902	.38	-

RRO Area:11465.21 RRO AMOUNT: 0.4016902

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5011122_b\0111HP5.0028.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.056	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.421	200.	1.902	.95	75-125



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: CCV_0111HP529r, CAL2 ;0111HP5 , 50 ug per mL Triacontane
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0029.RAW
Date & Time Acquired: 1/12/2022 4:22:15 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BA-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111ba.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41
Rt range for Residual Range Organics: 12.51 to 30.05

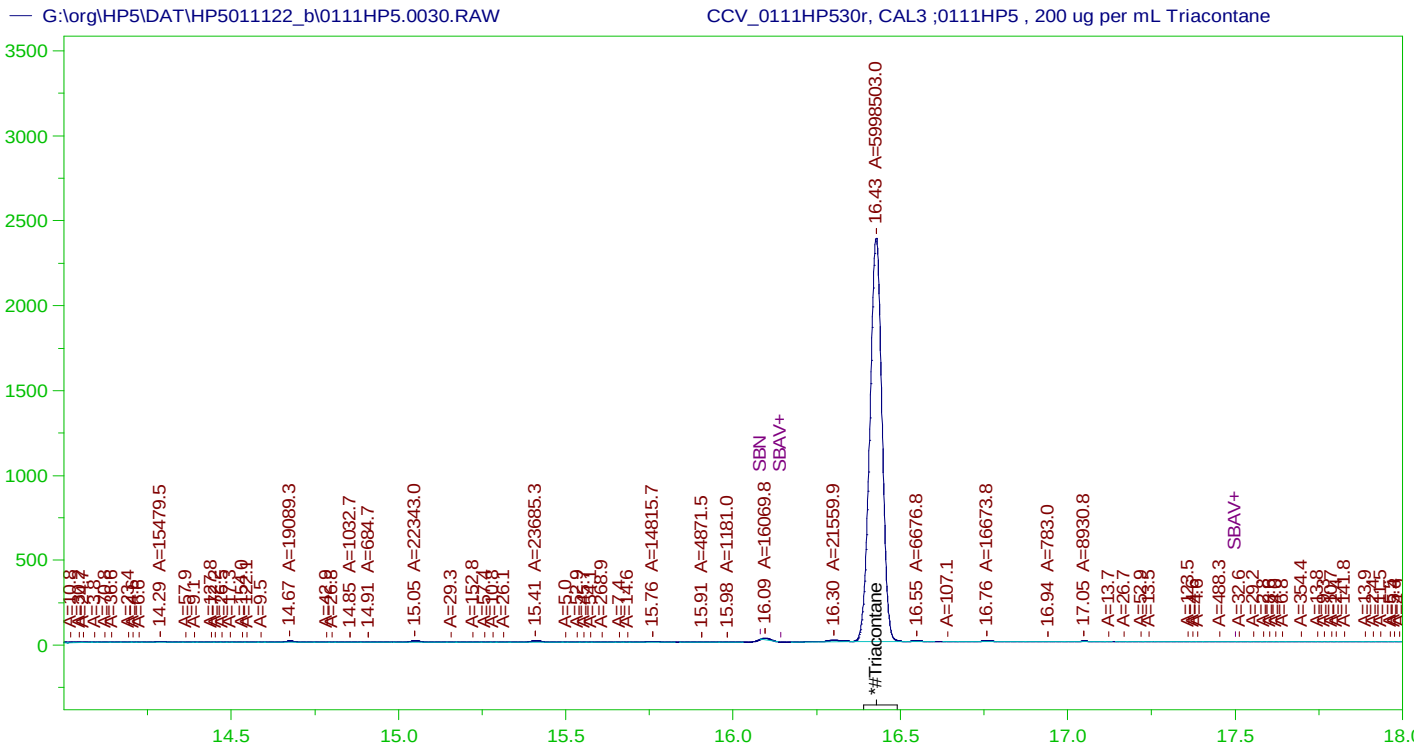
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.423	500.	49.845	9.97	-

RRO Area:60154.51 RRO AMOUNT: 2.107548

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5011122_b\0111HP5.0029.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.023	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.423	200.	49.845	24.92	75-125



RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0111HP530r, CAL3 ;0111HP5 , 200 ug per mL Triacontane
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0030.RAW
Date & Time Acquired: 1/12/2022 5:05:25 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BA-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111ba.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41
Rt range for Residual Range Organics: 12.51 to 30.05

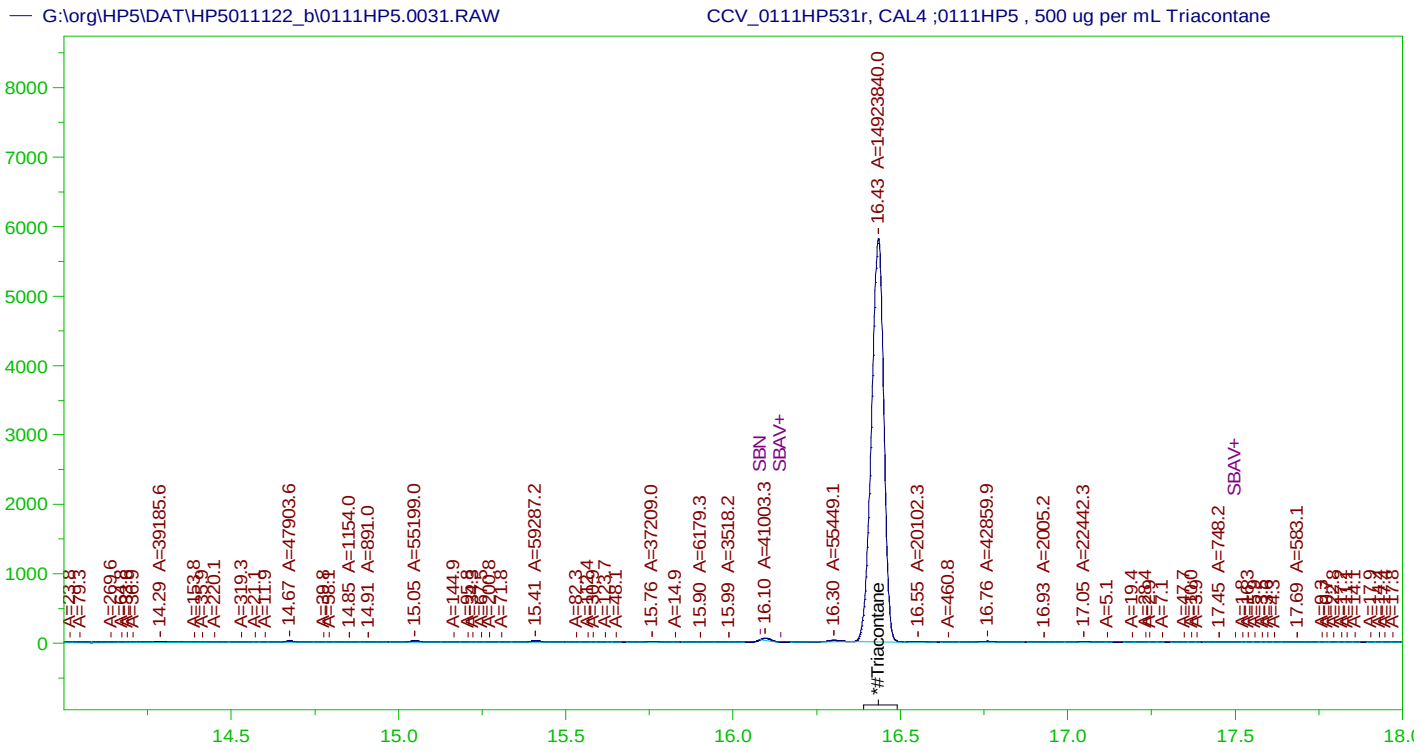
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.427	500.	202.405	40.48	-

RRO Area:200104.8 RRO AMOUNT: 7.01079

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5011122_b\0111HP5.0030.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.427	200.	202.405	101.2	75-125



RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0111HP531r, CAL4 ;0111HP5 , 500 ug per mL Triacontane
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0031.RAW
Date & Time Acquired: 1/12/2022 5:48:34 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BA-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111ba.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41
Rt range for Residual Range Organics: 12.51 to 30.05

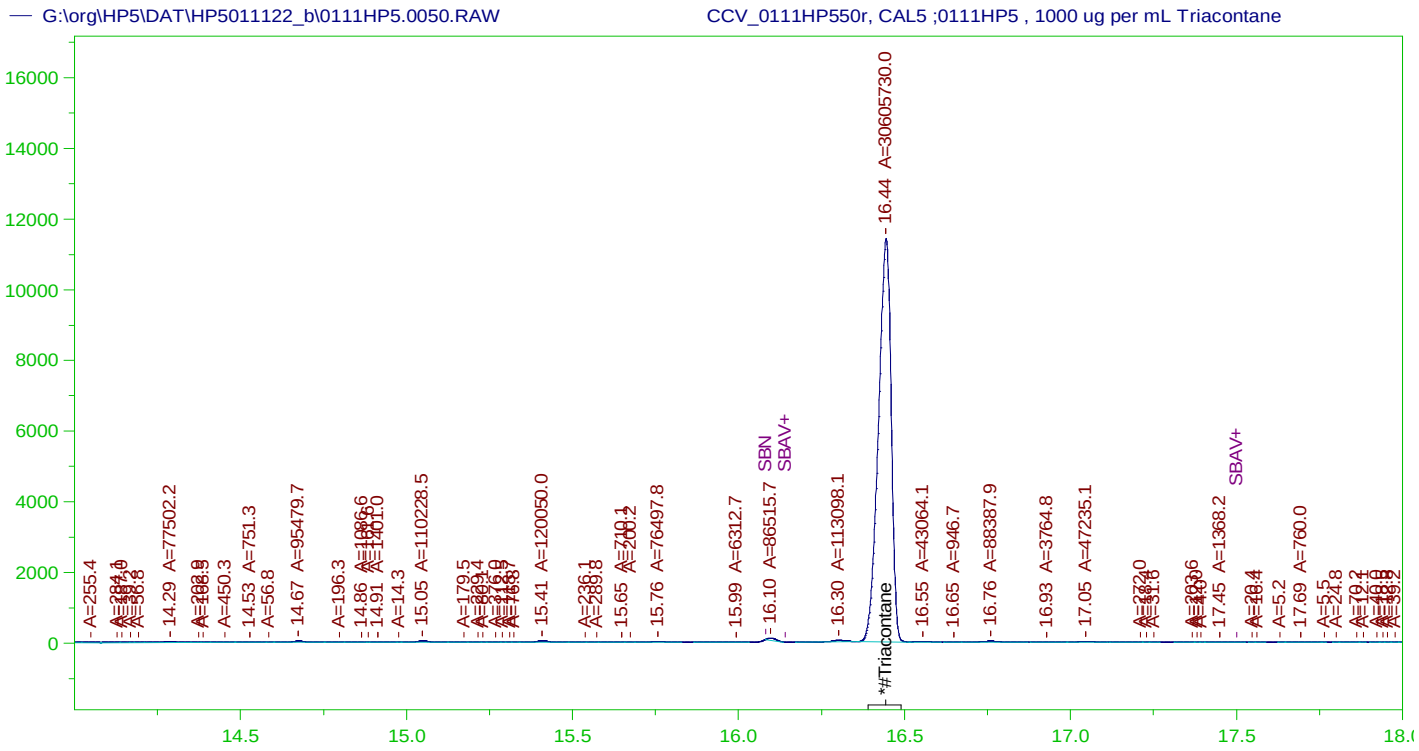
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.434	500.	503.57	100.71	-

RRO Area:497882.9 RRO AMOUNT: 17.44362

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5011122_b\0111HP5.0031.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.434	200.	503.57	251.78	75-125



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: CCV_0111HP550r, CAL5 ;0111HP5 , 1000 ug per mL Triacontane
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0050.RAW
Date & Time Acquired: 1/12/2022 8:49:58 PM
Method File: G:\Org\HP5\Methods\DS_ORO-BA-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111ba.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 28542.41
Rt range for Residual Range Organics: 12.51 to 30.05

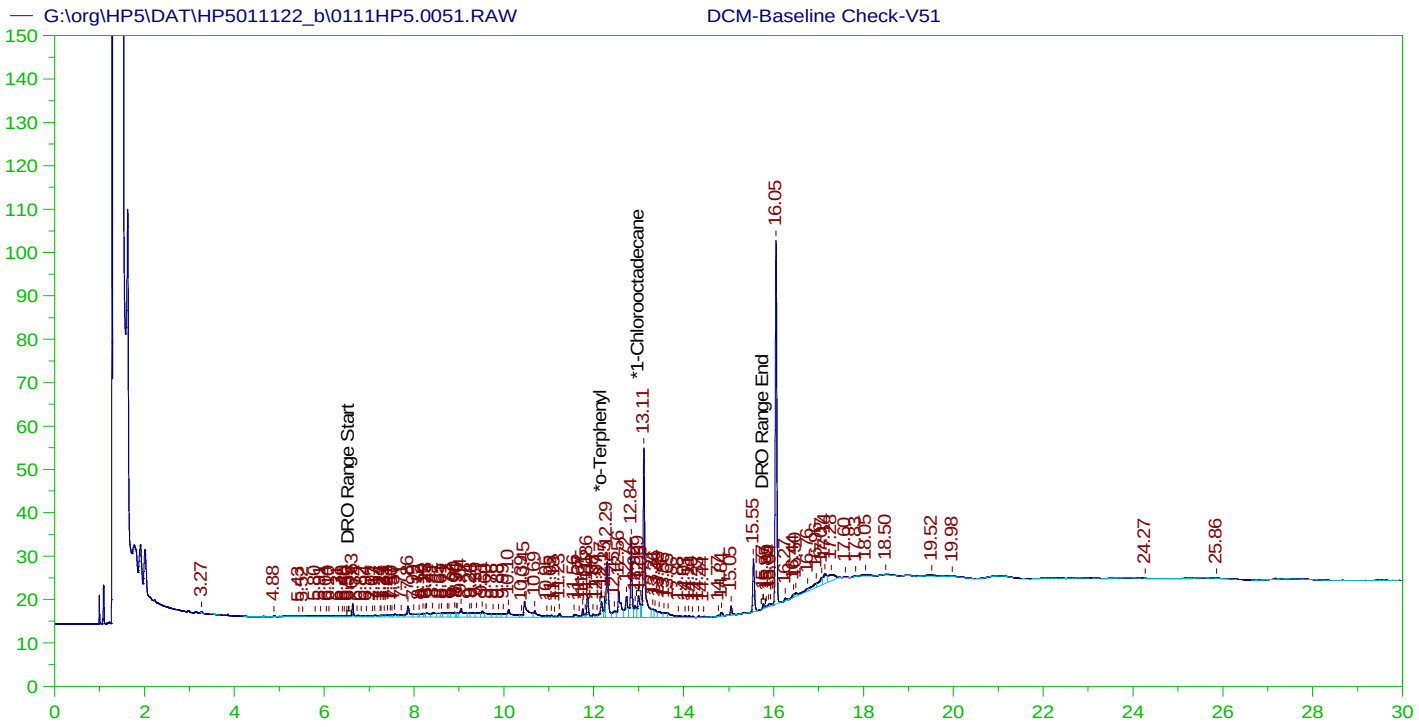
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.444	500.	1032.718	206.54	-

RRO Area:993904.8 RRO AMOUNT: 34.82203

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5011122_b\0111HP5.0050.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.444	200.	1032.718	516.36	75-125

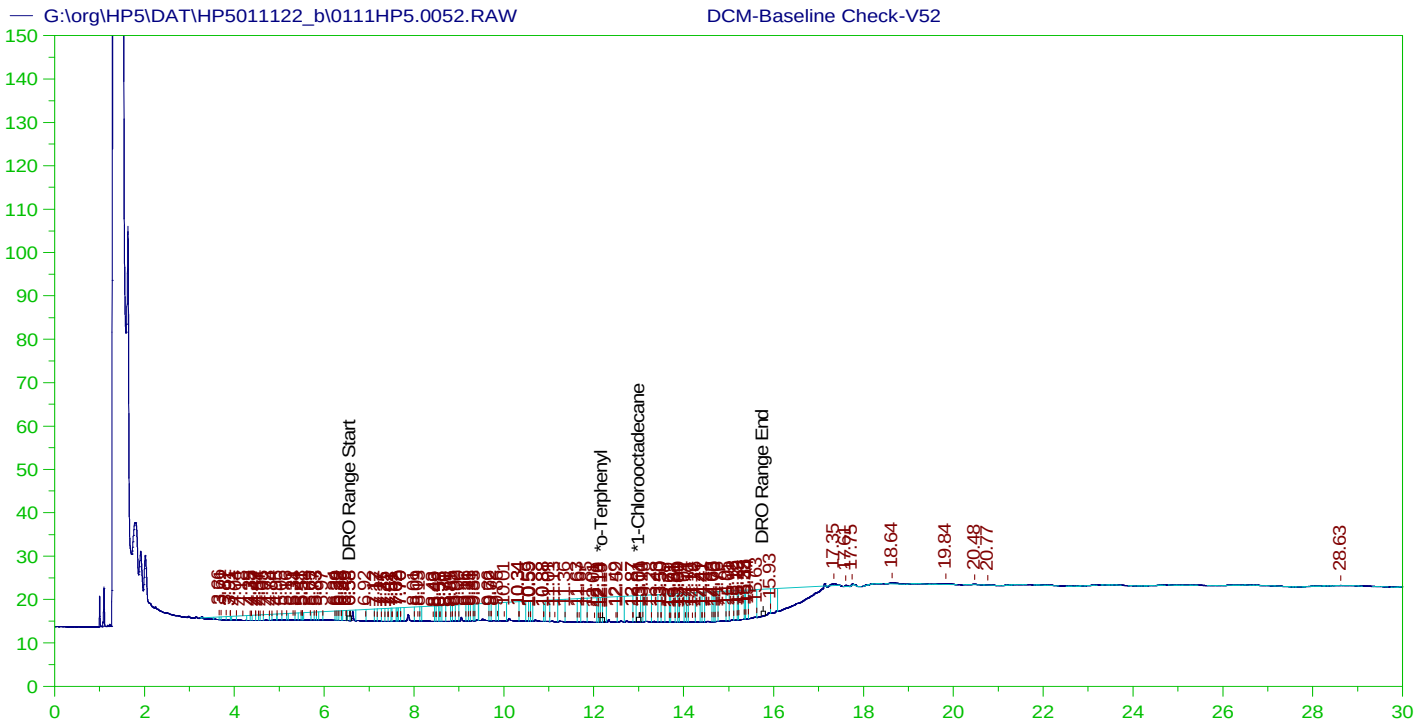


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V51
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0051.RAW
Date & Time Acquired: 1/13/2022 12:15:29 PM
Method File: G:\Org\HP5\Methods\DR_8015-IC-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO211102IC.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19
Rt range for Diesel Range Organics: 6.5 to 15.82

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.166	200.	.369	.18	-
*1-Chlorooctadecane	12.994	200.	.464	.23	-

DRO Area:587062.5 DRO Amount: 18.72417
TEH Area:891448.4 TEH Amount: 28.43246

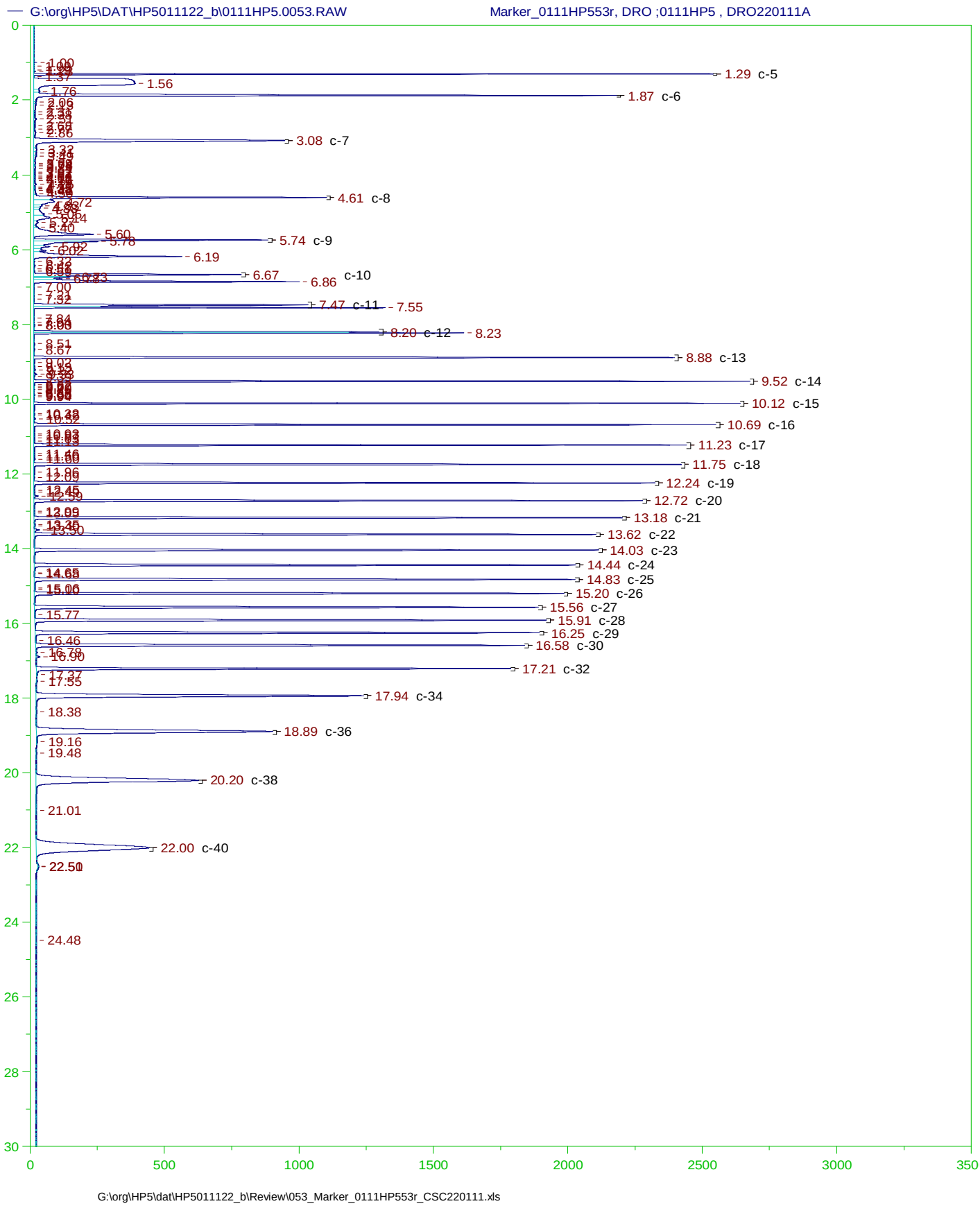


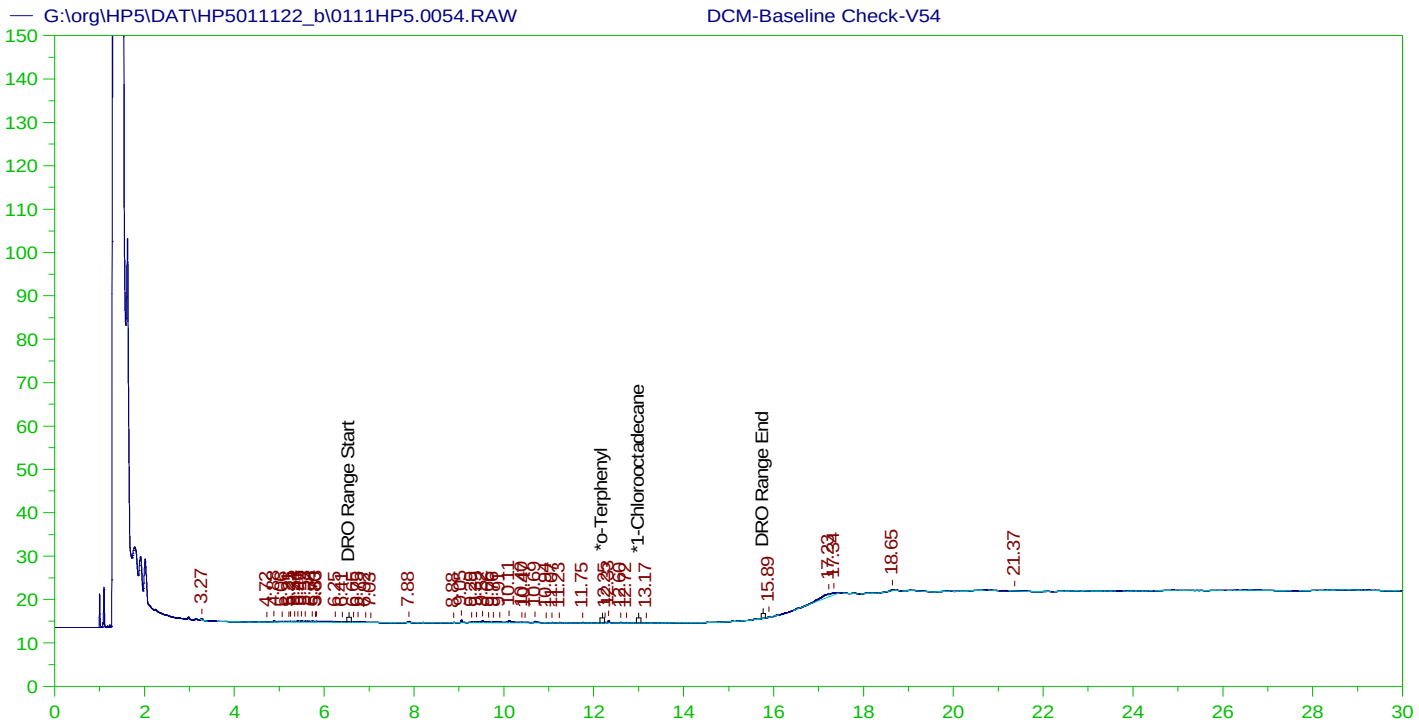
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V52
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0052.RAW
Date & Time Acquired: 1/13/2022 12:58:31 PM
Method File: G:\Org\HP5\Methods\DR_8015-IC-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO211102IC.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19
Rt range for Diesel Range Organics: 6.5 to 15.82

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.192	200.	.855	.43	-
*1-Chlorooctadecane	13.007	200.	.955	.48	-

DRO Area:2710300 DRO Amount: 86.44414
TEH Area:2842315 TEH Amount: 90.65472


G:\org\HP5\DAT\HP5011122_b\0111HP5.0053.RAW
Marker_0111HP553r, DRO ;0111HP5 , DRO220111A
1.29 c-5
1.56
1.87 c-6
3.08 c-7
4.61 c-8
5.74 c-9
6.19
6.67
6.86 c-10
7.47 c-11
7.55
8.20 c-12
8.23
8.88 c-13
9.52 c-14
10.12 c-15
10.69 c-16
11.23 c-17
11.75 c-18
12.24 c-19
12.72 c-20
13.18 c-21
13.62 c-22
14.03 c-23
14.44 c-24
14.83 c-25
15.20 c-26
15.56 c-27
15.91 c-28
16.25 c-29
16.58 c-30
17.21 c-32
17.94 c-34
18.38
18.89 c-36
19.16
19.48
20.20 c-38
21.01
22.00 c-40
22.50
24.48
0
500
1000
1500
2000
2500
3000
G:\org\HP5\dat\HP5011122_b\Review\053_Marker_0111HP553r_CSC220111.xls

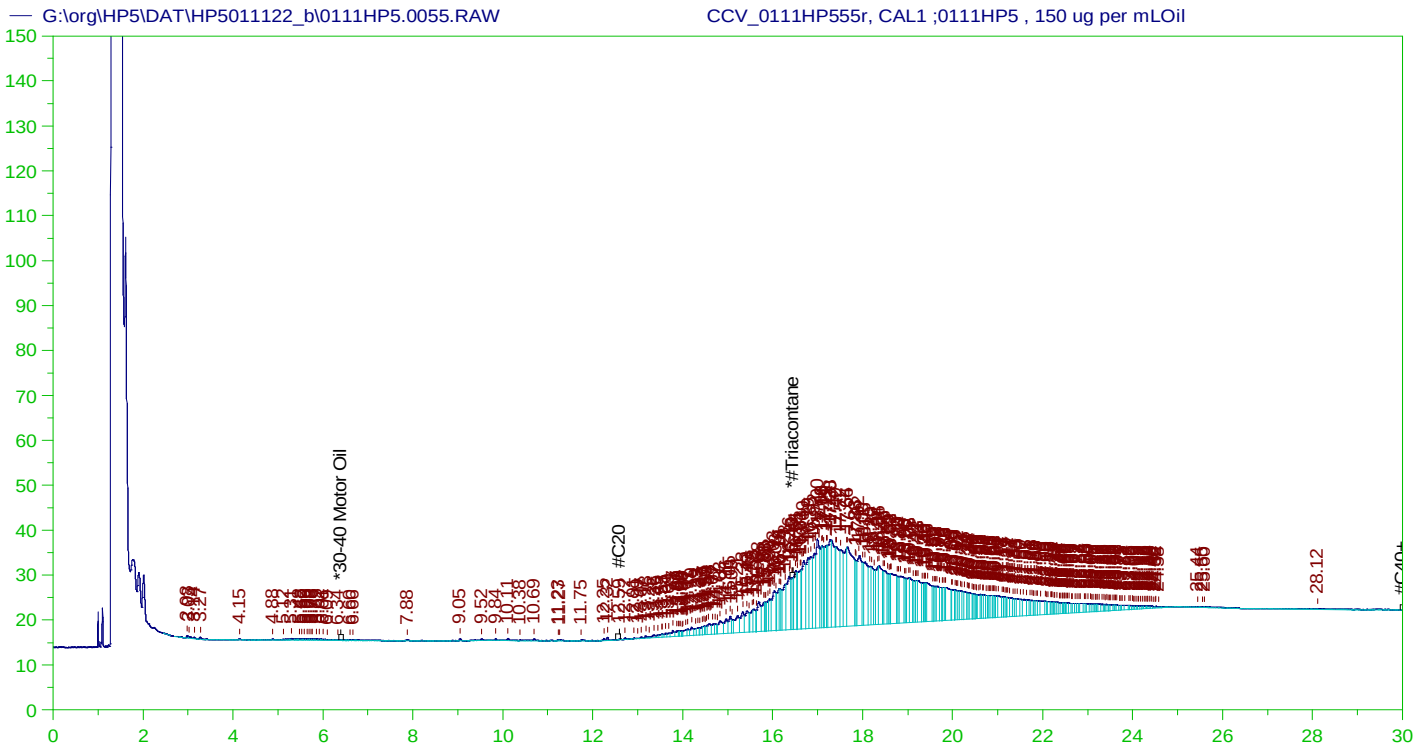


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V54
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0054.RAW
Date & Time Acquired: 1/13/2022 2:23:42 PM
Method File: G:\Org\HP5\Methods\DR_8015-IC-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO211102IC.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19
Rt range for Diesel Range Organics: 6.5 to 15.82

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.882	200.	.	.	-
*1-Chlorooctadecane	29.882	200.	.	.	-

DRO Area:44798.44 DRO Amount: 1.428832
TEH Area:97771.24 TEH Amount: 3.118382



RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0111HP555r, CAL1 ;0111HP5 , 150 ug per mLOil
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0055.RAW
Date & Time Acquired: 1/13/2022 3:06:11 PM
Method File: G:\Org\HP5\Methods\DC_ORO-55-BA-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.51 to 30.05

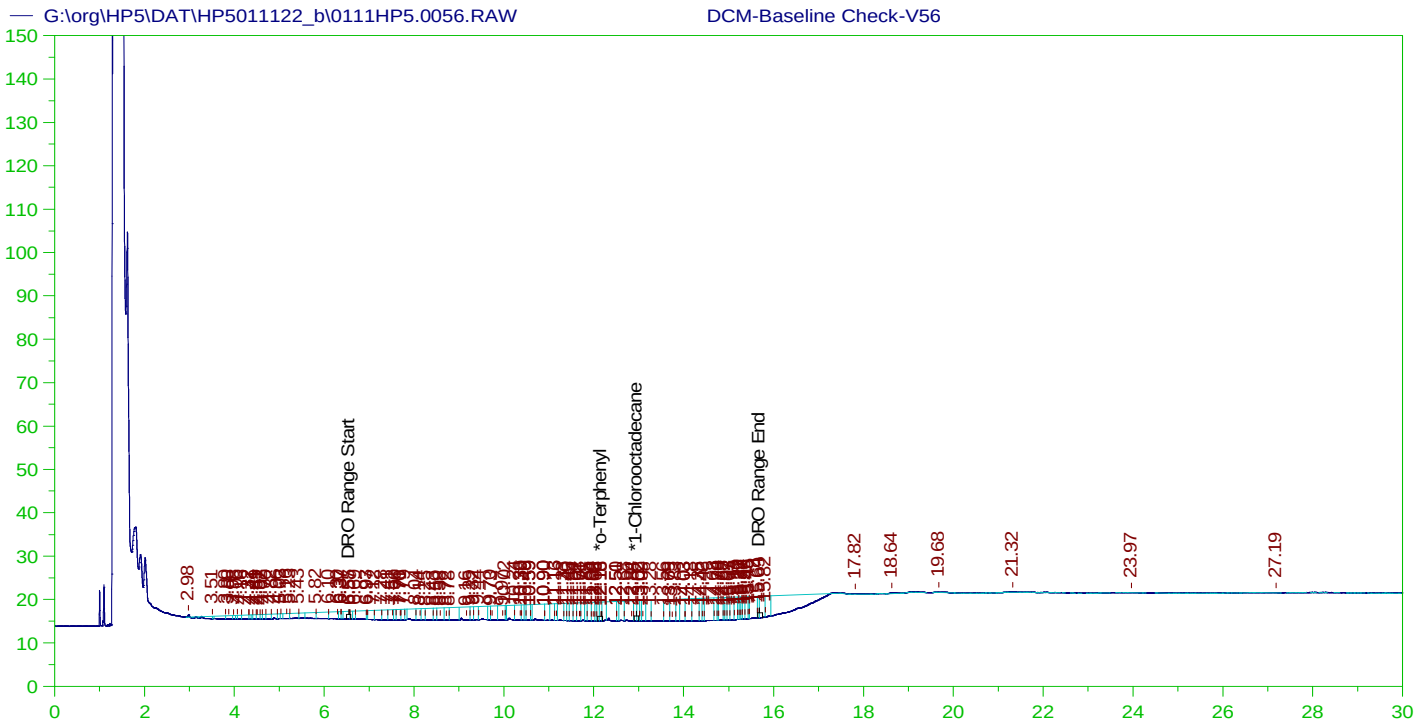
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.447	500.	.47	.09	-

RRO Area:4215928 RRO AMOUNT: 159.5459

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5011122_b\0111HP5.0055.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.447	200.	.47	.23	75-125

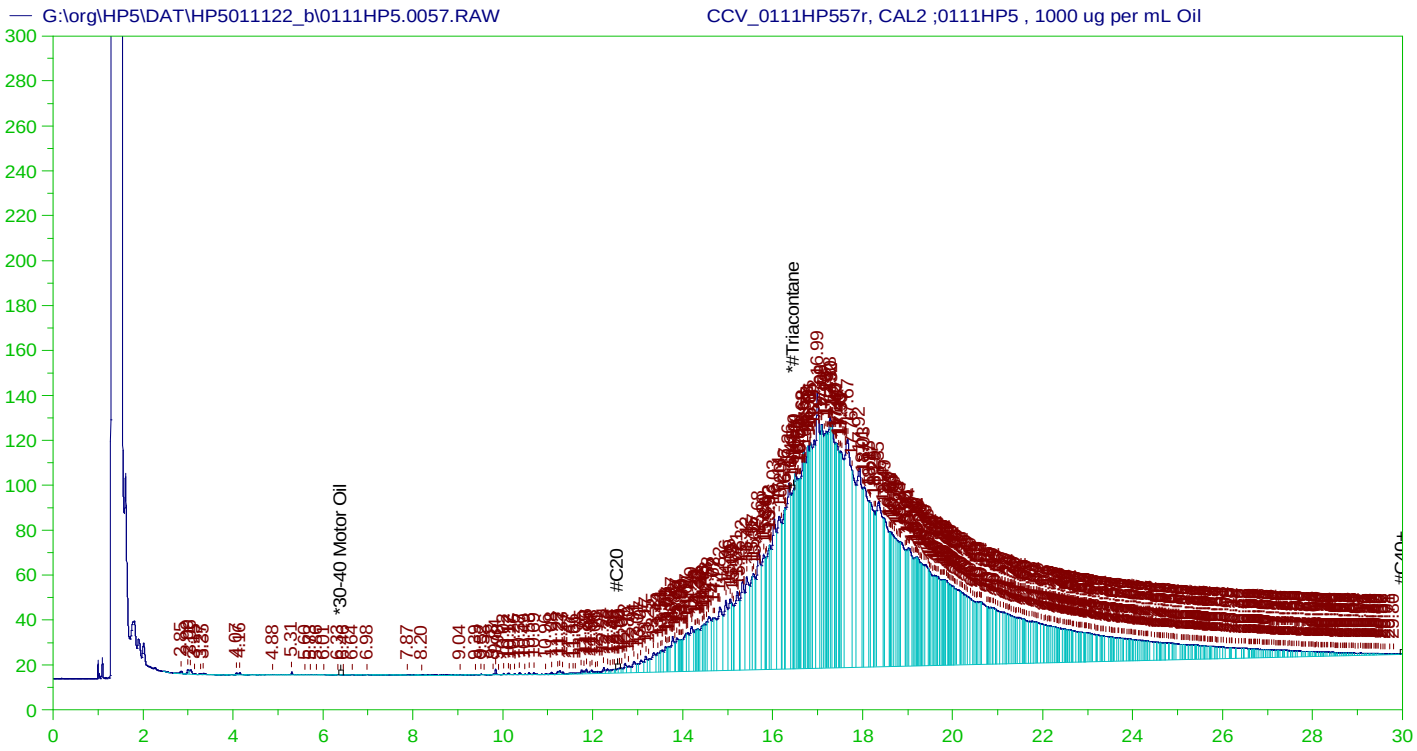


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V56
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0056.RAW
Date & Time Acquired: 1/13/2022 3:48:53 PM
Method File: G:\Org\HP5\Methods\DR_8015-HE-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.49 to 15.75

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.162	200.	.406	.2	-
*1-Chlorooctadecane	29.946	200.	.	.	-

DRO Area:2125703 DRO Amount: 72.16209
TEH Area:2146824 TEH Amount: 72.8791



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: CCV_0111HP557r, CAL2 ;0111HP5 , 1000 ug per mL Oil
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0057.RAW
Date & Time Acquired: 1/13/2022 4:31:31 PM
Method File: G:\Org\HP5\Methods\DC_ORO-57-BA-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.51 to 30.05

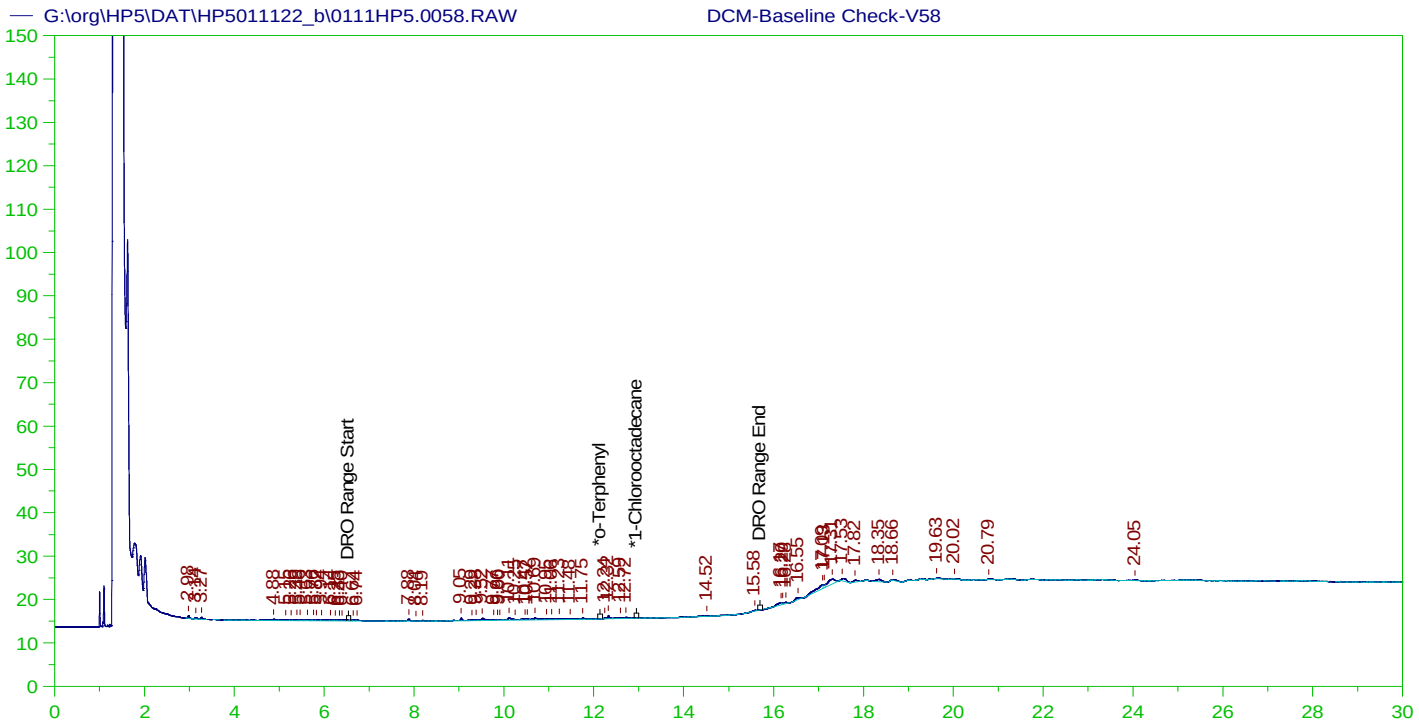
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.454	500.	3.058	.61	-

RRO Area:2.729502E+07 RRO AMOUNT: 1032.941

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5011122_b\0111HP5.0057.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.454	200.	3.058	1.53	75-125

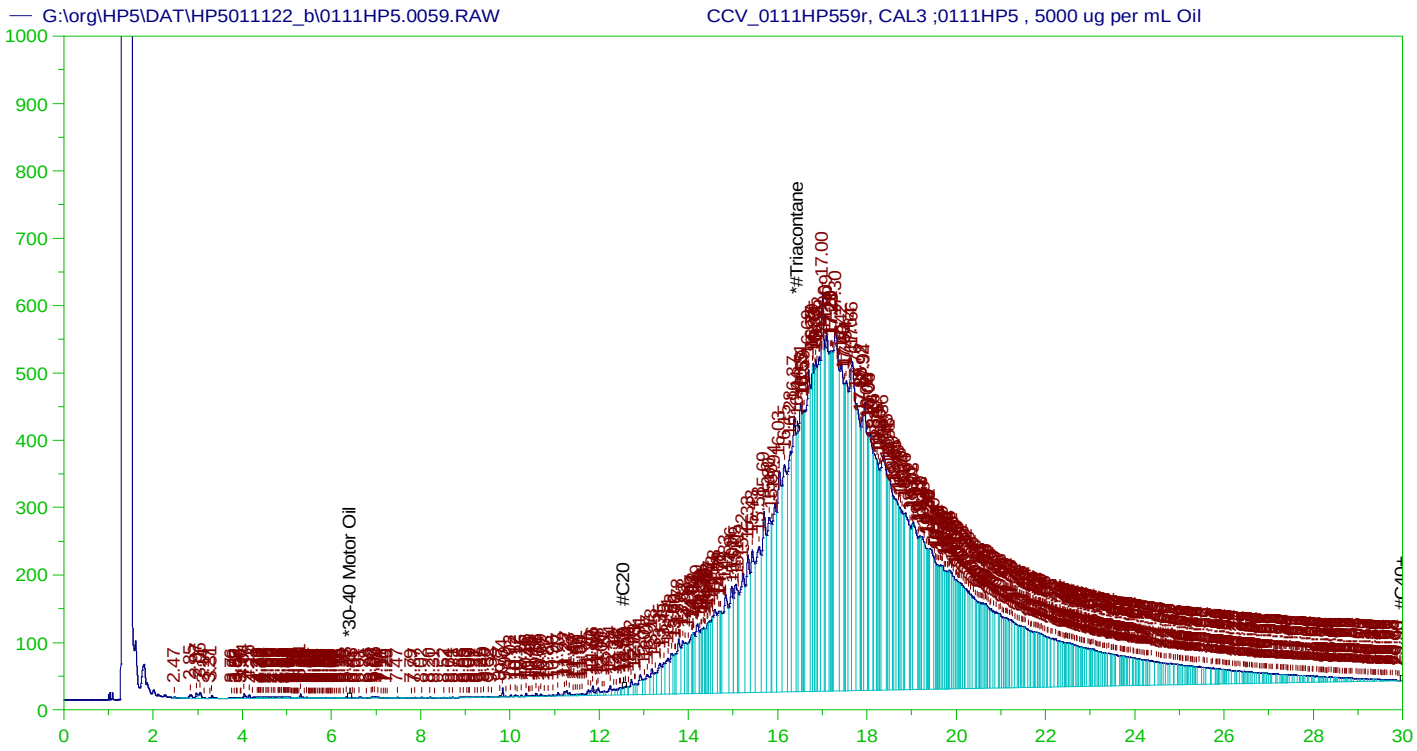


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V58
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0058.RAW
Date & Time Acquired: 1/13/2022 5:14:45 PM
Method File: G:\Org\HP5\Methods\DR_8015-HE-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.49 to 15.75

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.94	200.	.	.	-
*1-Chlorooctadecane	29.94	200.	.	.	-

DRO Area:48306.73 DRO Amount: 1.639888
TEH Area:141285.5 TEH Amount: 4.796276



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: CCV_0111HP559r, CAL3 ;0111HP5 , 5000 ug per mL Oil
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0059.RAW
Date & Time Acquired: 1/13/2022 5:57:48 PM
Method File: G:\Org\HP5\Methods\DC_ORO-59-BA-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.51 to 30.05

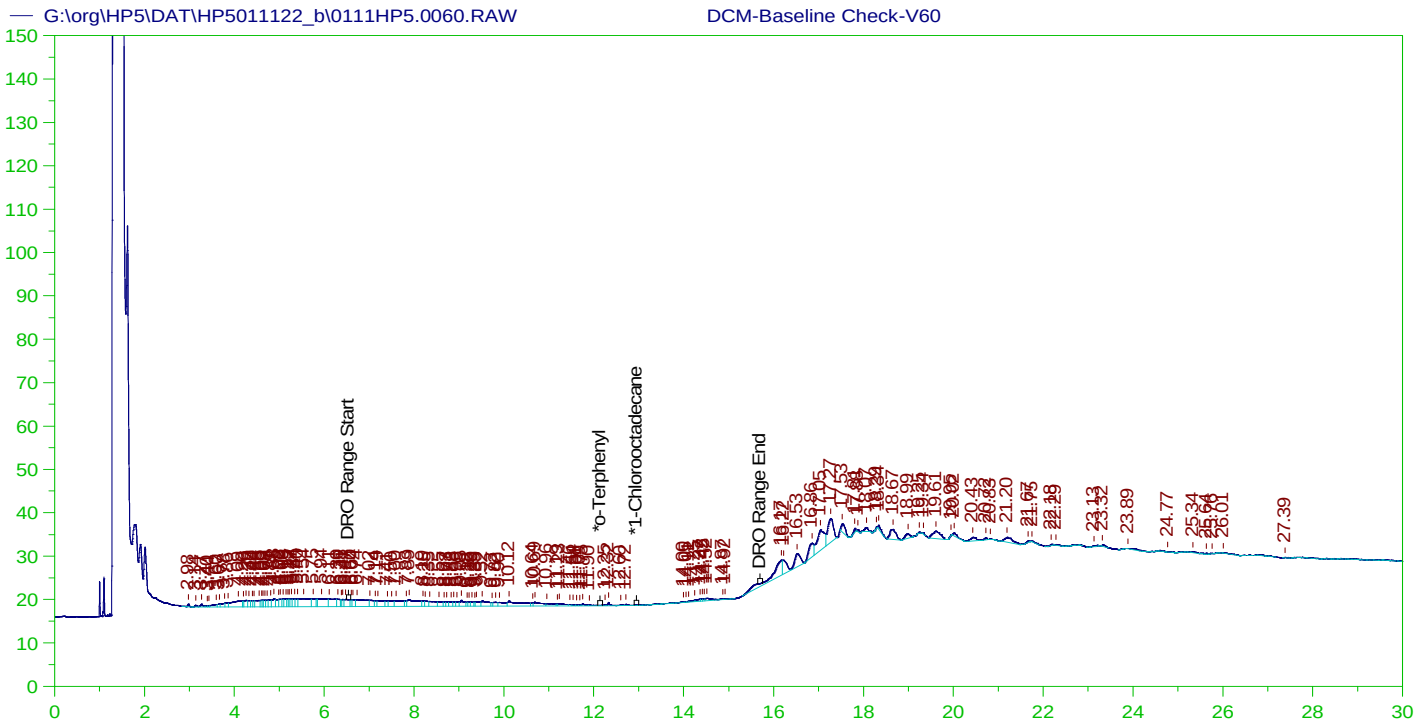
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.442	500.	33.09	6.62	-

RRO Area:1.303441E+08 RRO AMOUNT: 4932.688

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5011122_b\0111HP5.0059.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.037	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.442	200.	33.09	16.54	75-125

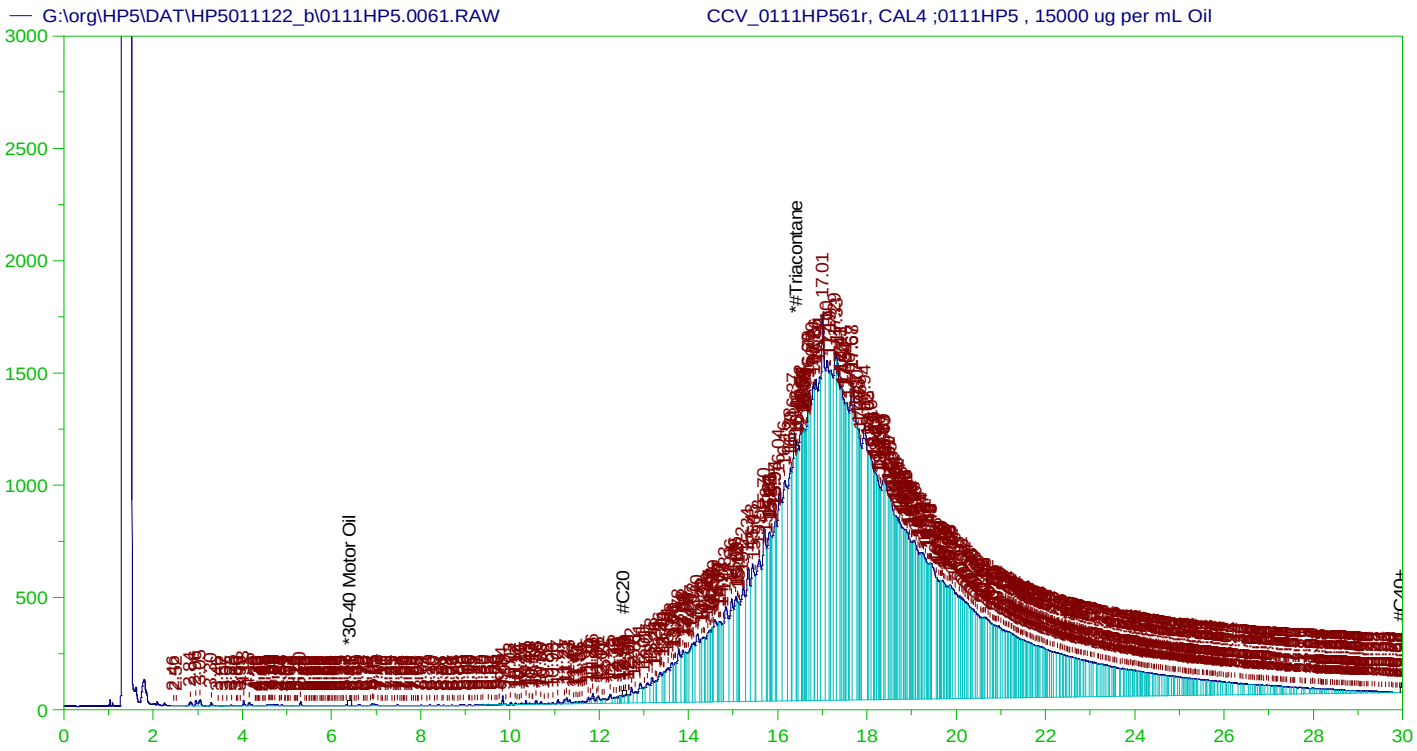


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V60
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0060.RAW
Date & Time Acquired: 1/13/2022 6:41:03 PM
Method File: G:\Org\HP5\Methods\DR_8015-HE-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.49 to 15.75

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.911	200.	.	.	-
*1-Chlorooctadecane	29.911	200.	.	.	-

DRO Area:316779.5 DRO Amount: 10.75384
TEH Area:980005.5 TEH Amount: 33.26864



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: CCV_0111HP561r, CAL4 ;0111HP5 , 15000 ug per mL Oil
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0061.RAW
Date & Time Acquired: 1/13/2022 7:24:16 PM
Method File: G:\Org\HP5\Methods\DC_ORO-61-BA-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.51 to 30.05

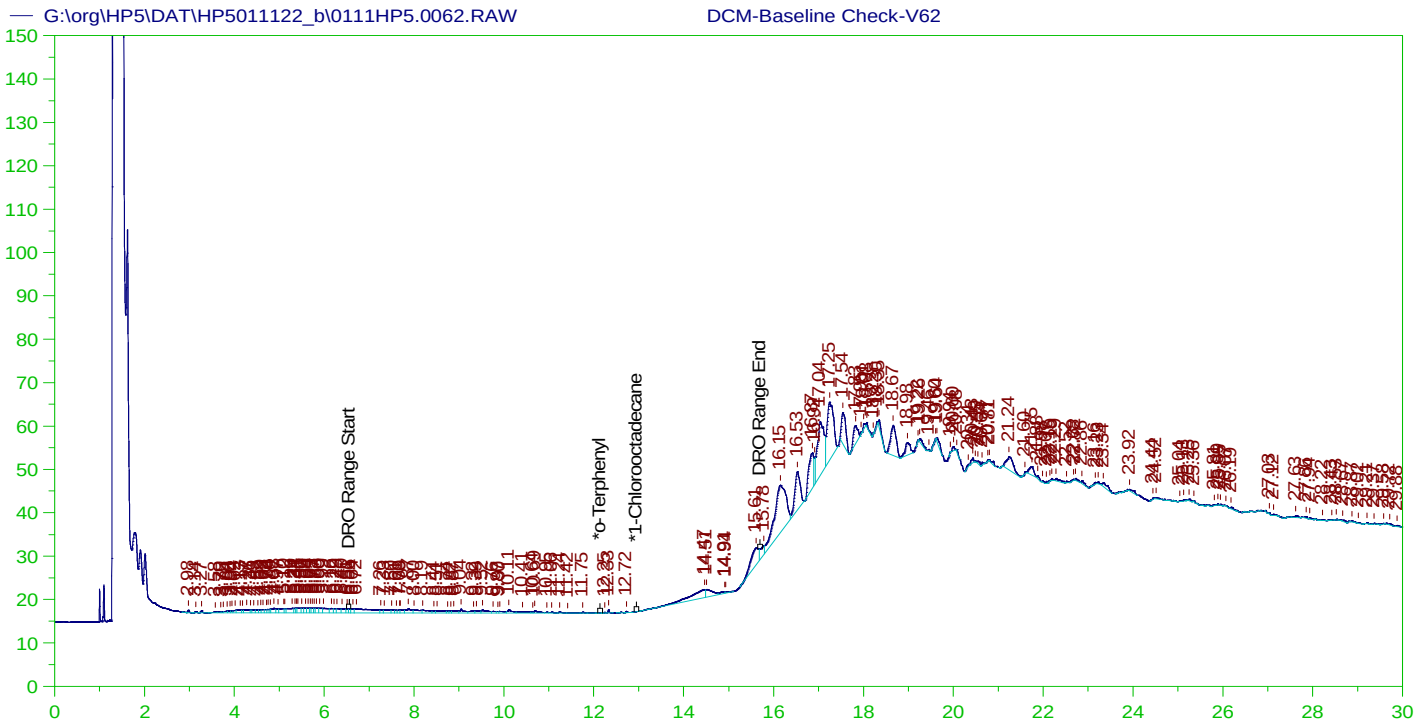
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.429	500.	33.728	6.75	-

RRO Area:3.786286E+08 RRO AMOUNT: 14328.67

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5011122_b\0111HP5.0061.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.086	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.429	200.	33.728	16.86	75-125

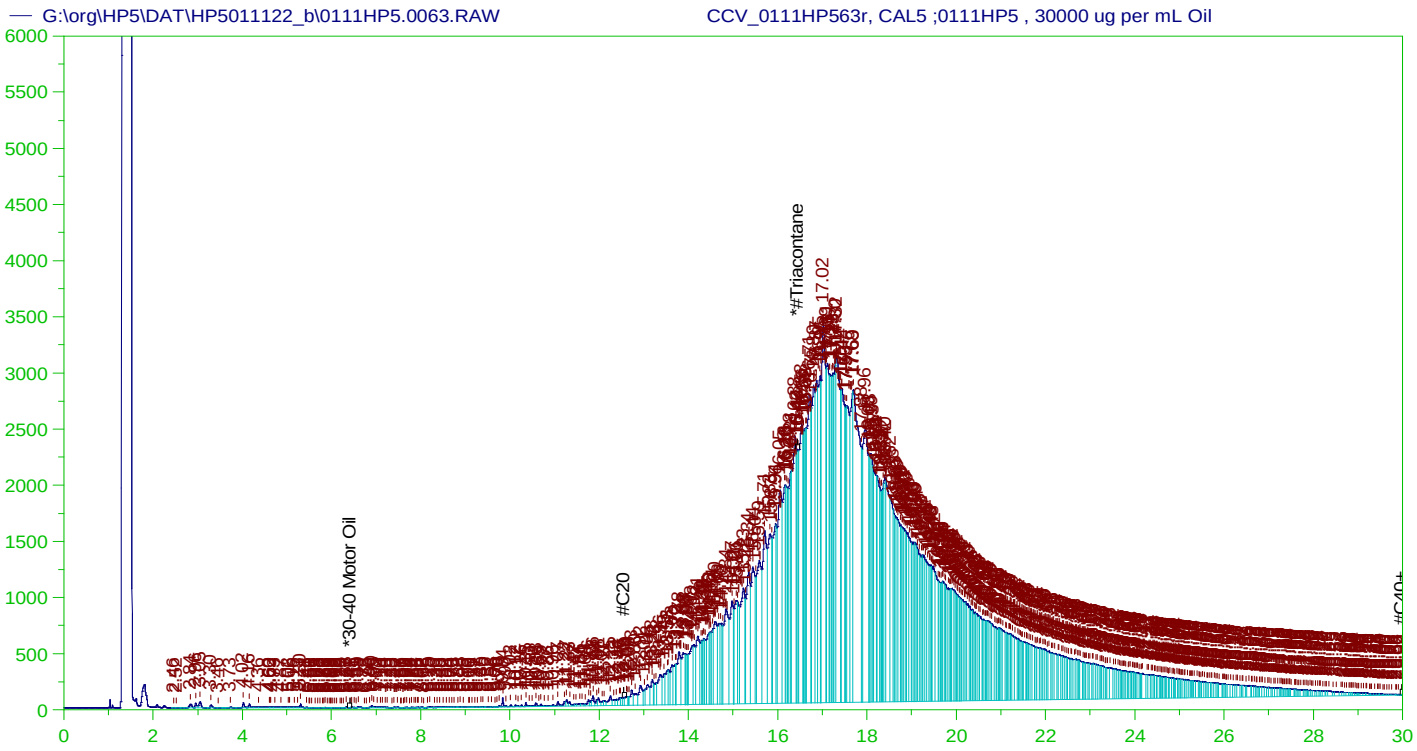


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V62
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0062.RAW
Date & Time Acquired: 1/13/2022 8:07:28 PM
Method File: G:\Org\HP5\Methods\DR_8015-HE-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.49 to 15.75

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.883	200.	.	.	-
*1-Chlorooctadecane	29.883	200.	.	.	-

DRO Area:289041.4 DRO Amount: 9.812207
TEH Area:1408450 TEH Amount: 47.81323



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: CCV_0111HP563r, CAL5 ;0111HP5 , 30000 ug per mL Oil
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0063.RAW
Date & Time Acquired: 1/13/2022 8:50:32 PM
Method File: G:\Org\HP5\Methods\DC_ORO-BA-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.51 to 30.05

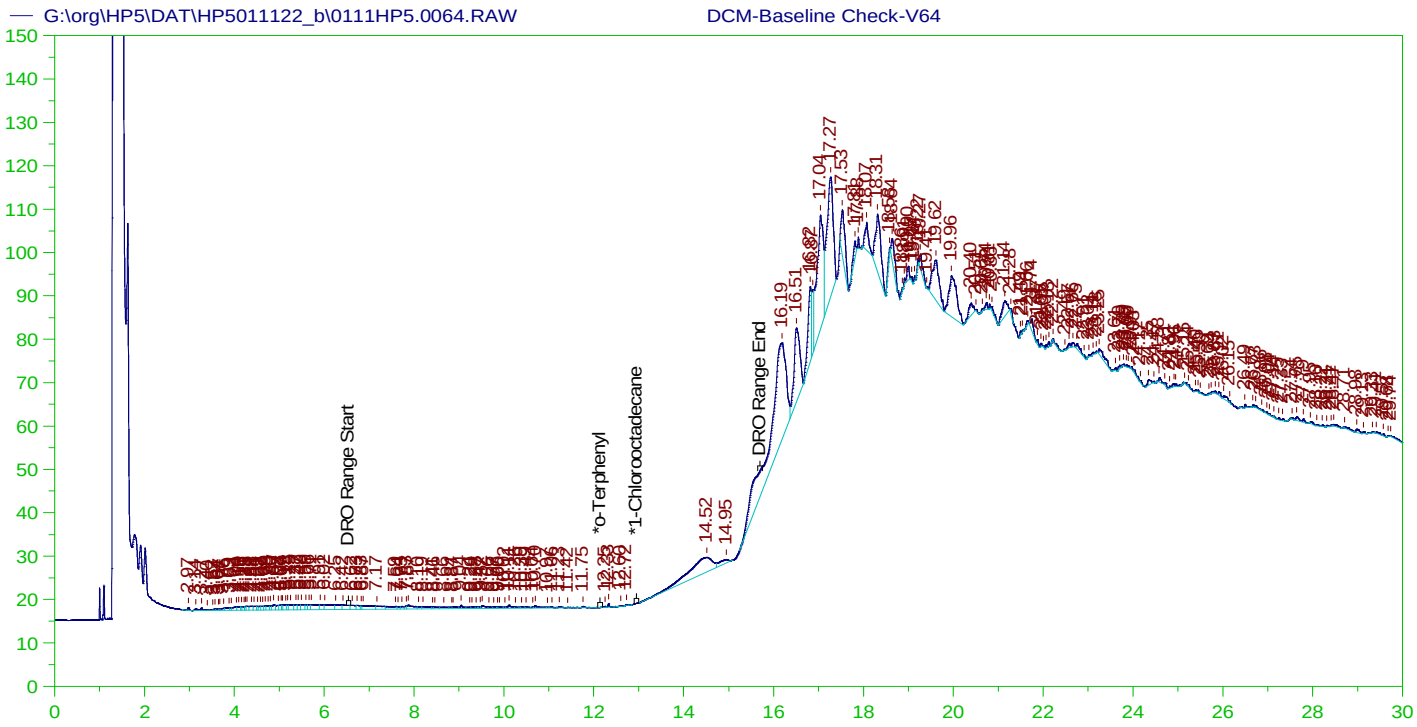
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.44	500.	102.625	20.52	-

RRO Area:7.608009E+08 RRO AMOUNT: 28791.44

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5011122_b\0111HP5.0063.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.102	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.44	200.	102.625	51.31	75-125

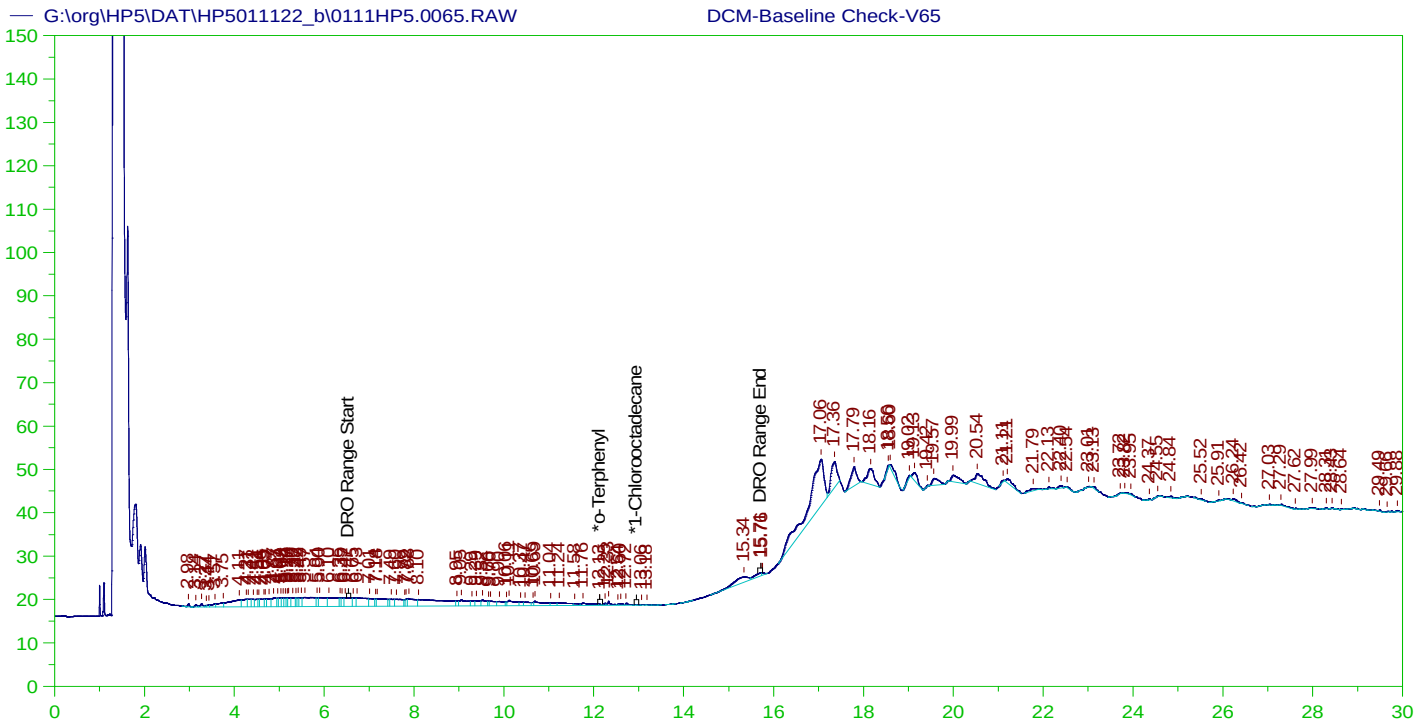


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V64
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0064.RAW
Date & Time Acquired: 1/13/2022 9:33:32 PM
Method File: G:\Org\HP5\Methods\DR_8015-HE-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.49 to 15.75

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.741	200.	.	.	-
*1-Chlorooctadecane	29.741	200.	.	.	-

DRO Area:282237.4 DRO Amount: 9.581227
TEH Area:2669631 TEH Amount: 90.62704

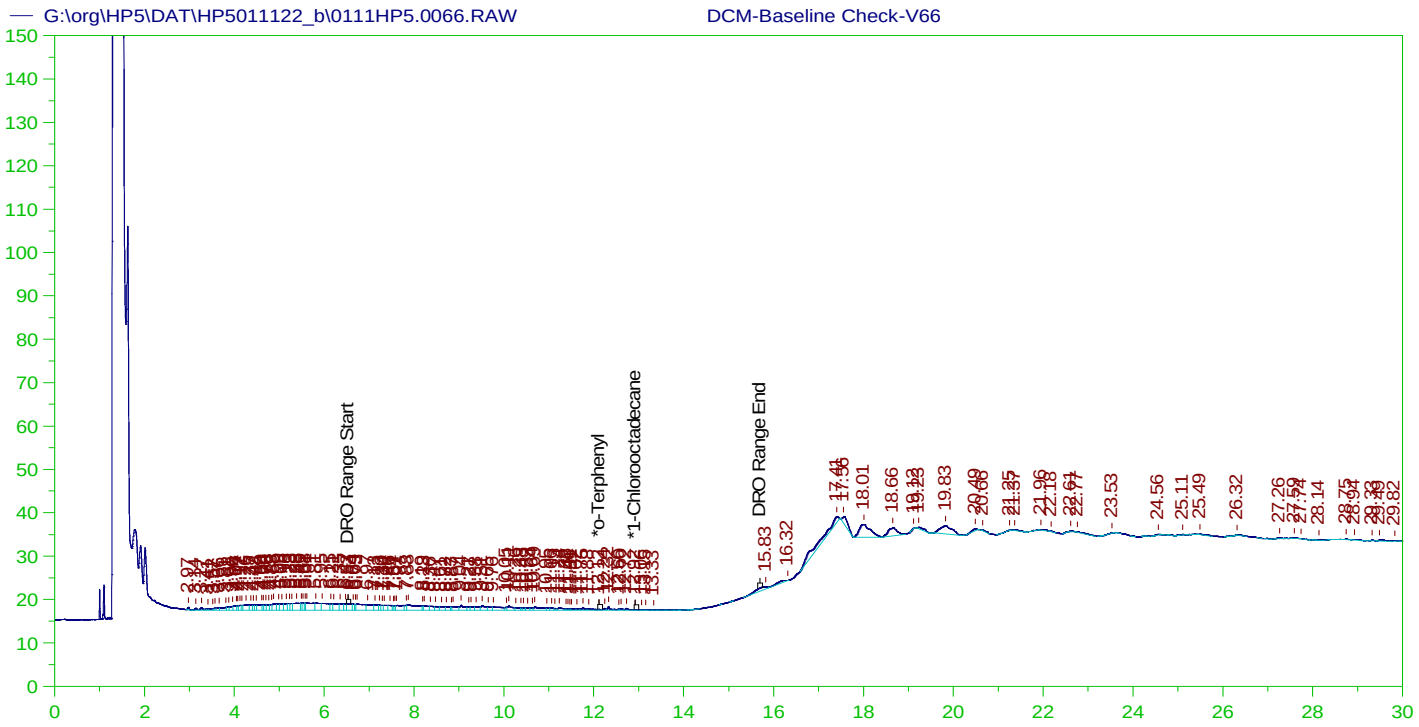


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V65
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0065.RAW
Date & Time Acquired: 1/13/2022 10:16:33 PM
Method File: G:\Org\HP5\Methods\DR_8015-HE-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.49 to 15.75

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.129	200.	.021	.01	-
*1-Chlorooctadecane	29.884	200.	.	.	-

DRO Area:397141.5 DRO Amount: 13.48192
TEH Area:1310457 TEH Amount: 44.48662

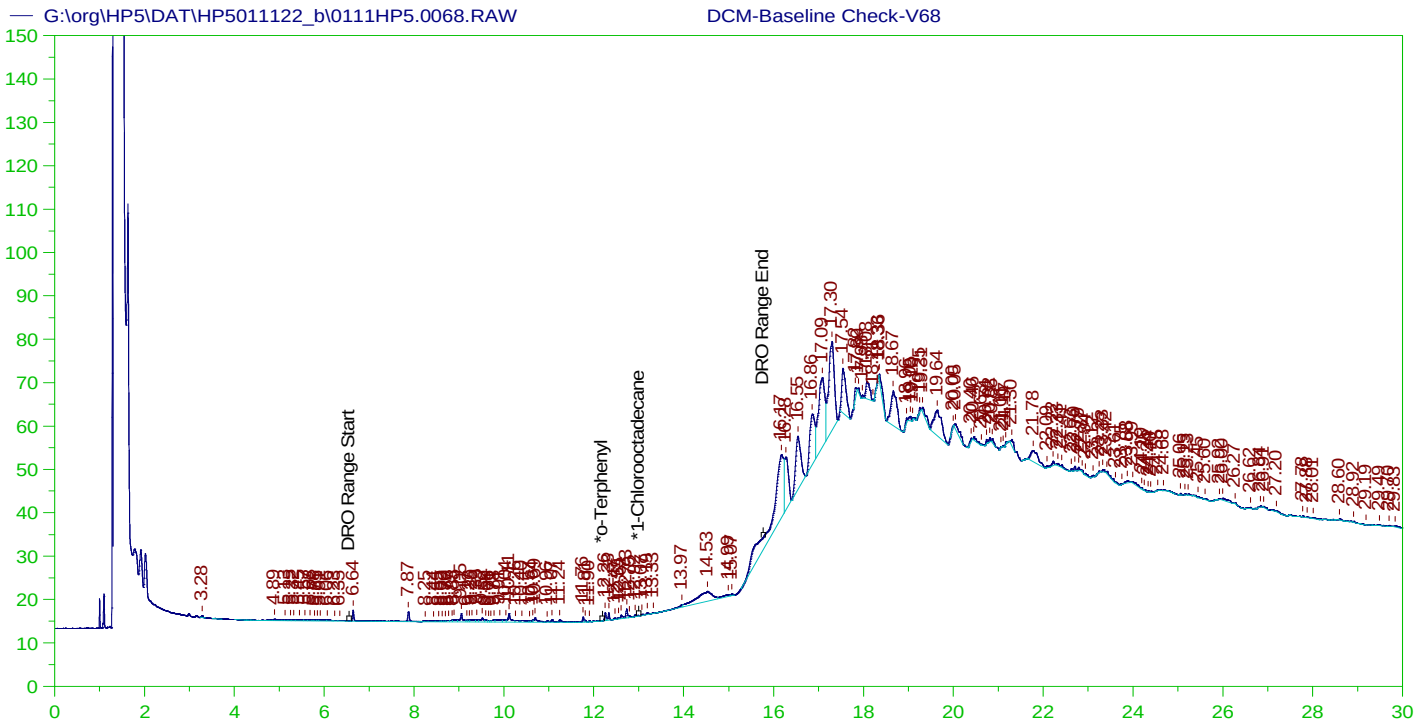


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V66
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0066.RAW
Date & Time Acquired: 1/13/2022 10:59:39 PM
Method File: G:\Org\HP5\Methods\DR_8015-HE-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO210108HE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 29457.33
Rt range for Diesel Range Organics: 6.49 to 15.75

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.12	200.	.025	.01	-
*1-Chlorooctadecane	12.922	200.	.037	.02	-

DRO Area:278500.4 DRO Amount: 9.454367
TEH Area:757930.2 TEH Amount: 25.72976

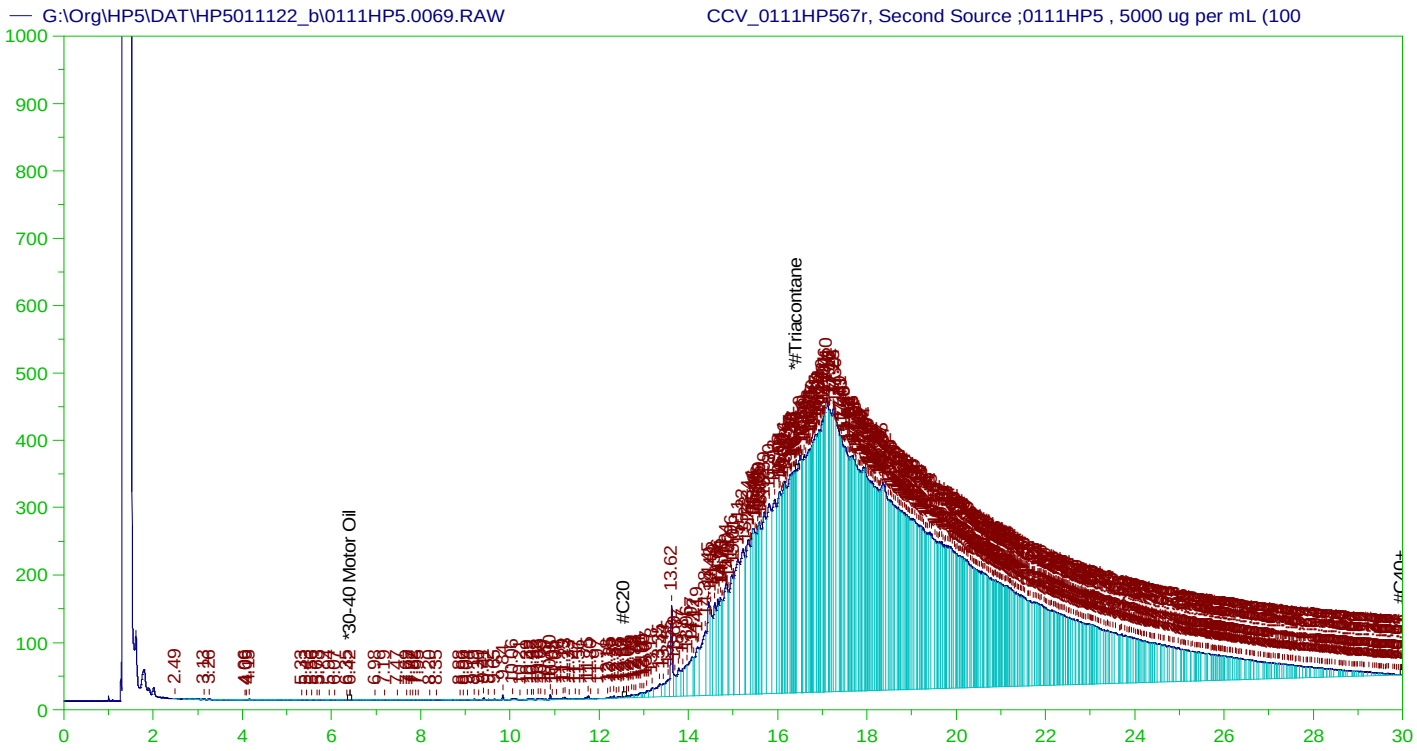


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V68
Raw File: G:\org\HP5\DAT\HP5011122_b\0111HP5.0068.RAW
Date & Time Acquired: 1/14/2022 7:35:26 AM
Method File: G:\Org\HP5\Methods\DR_8015-IC-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO211102IC.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 31353.19
Rt range for Diesel Range Organics: 6.5 to 15.82

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.833	200.	.	.	-
*1-Chlorooctadecane	29.833	200.	.	.	-

DRO Area:178261.1 DRO Amount: 5.685582
TEH Area:1513925 TEH Amount: 48.28614



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: CCV_0111HP567r, Second Source ;0111HP5 , 5000 ug per mL (100
Raw File: G:\Org\HP5\DAT\HP5011122_b\0111HP5.0069.RAW
Date & Time Acquired: 1/14/2022 8:18:14 AM
Method File: G:\Org\HP5\Methods\DC_ORO-59-BA-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.51 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.408	500.	23.958	4.79	-

RRO Area:1.341574E+08 RRO AMOUNT: 5076.999

CONTINUING CALIBRATION REPORT: G:\Org\HP5\DAT\HP5011122_b\0111HP5.0069.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.033	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.408	200.	23.958	11.98	75-125

Write Sequence	Insert Entries(Have the first cell for entries selecte								
Data File	Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.25r	DCM-Baseline Check-V25	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.26r	Marker_0111HP526r, DRO ;0111HP5 , DRO220111A	g:\org\HP5\Methods\\CSC210212.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.27r	DCM-Baseline Check-V27	G:\Org\HP5\Methods\DR_8015-HS-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.28r	CCV_0111HP528r, CAL1 ;0111HP5 , 2 ug per mL Triacontane (10 uL of Cal3 + 990 uL DCM(14647)	G:\Org\HP5\Methods\DS_ORO-BA-L#.MET	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 16.04 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.29r	CCV_0111HP529r, CAL2 ;0111HP5 , 50 ug per mL Triacontane (100 uL Cal4 + 900 uL of DCM(14647)	G:\Org\HP5\Methods\DS_ORO-BA-L#.MET	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 16.04 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.30r	CCV_0111HP530r, CAL3 ;0111HP5 , 200 ug per mL Triacontane (100uL of Cal5 + 400 uL DCM(14647)	G:\Org\HP5\Methods\DS_ORO-BA-L#.MET	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 16.04 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.31r	CCV_0111HP531r, CAL4 ;0111HP5 , 500 ug per mL Triacontane (250uL of Cal5 + 250 uL DCM(14647)	G:\Org\HP5\Methods\DS_ORO-BA-L#.MET	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 16.04 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.32r	DCM-Baseline Check-V33	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.50r	CCV_0111HP550r, CAL5 ;0111HP5 , 1000 ug per mL Triacontane (DRO211006A)	G:\Org\HP5\Methods\DS_ORO-BA-L#.MET	1	1	1	1	0	Surrogates are integrated using a valley to valley integration Set Baseline All Valley on at 16.04 minutes.
G:\org\HP5\DAT\HP5011122_b\0111HP5.51r	DCM-Baseline Check-V51	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.52r	DCM-Baseline Check-V52	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.53r	Marker_0111HP553r, DRO ;0111HP5 , DRO220111A	g:\org\HP5\Methods\\CSC210212.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.54r	DCM-Baseline Check-V54	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.55r	CCV_0111HP555r, CAL1 ;0111HP5 , 150 ug per mLOil (10 uL of Cal4 + 990 uL DCM(14647)	G:\Org\HP5\Methods\DC_ORO-55-BA-L%.xls	1	1	1	1	0	The integration of TEH(Oil Range)is the hydrocarbon response with reference to the baseline. Assigned Set Baseline Now at 25 minutes. Y-Scale adjusted.
G:\org\HP5\DAT\HP5011122_b\0111HP5.56r	DCM-Baseline Check-V56	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.57r	CCV_0111HP557r, CAL2 ;0111HP5 , 1000 ug per mL Oil (200 uL of Cal 3 +800 uL DCM(14647)	G:\Org\HP5\Methods\DC_ORO-57-BA-L%.xls	1	1	1	1	0	The integration of TEH(Oil Range)is the hydrocarbon response with reference to the baseline. Y-Scale adjusted.
G:\org\HP5\DAT\HP5011122_b\0111HP5.58r	DCM-Baseline Check-V58	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.59r	CCV_0111HP559r, CAL3 ;0111HP5 , 5000 ug per mL Oil (100 uL of DRO211118A + 900 uL DCM(14647)	G:\Org\HP5\Methods\DC_ORO-59-BA-L%.xls	1	1	1	1	0	The integration of TEH(Oil Range)is the hydrocarbon response with reference to the baseline. Y-Scale adjusted.
G:\org\HP5\DAT\HP5011122_b\0111HP5.60r	DCM-Baseline Check-V60	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.61r	CCV_0111HP561r, CAL4 ;0111HP5 , 15000 ug per mL Oil (200 uL of CAL5 + 200 uL DCM(14647)	G:\Org\HP5\Methods\DC_ORO-61-BA-L%.xls	1	1	1	1	0	The integration of TEH(Oil Range)is the hydrocarbon response with reference to the baseline. Y-Scale adjusted.
G:\org\HP5\DAT\HP5011122_b\0111HP5.62r	DCM-Baseline Check-V62	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.63r	CCV_0111HP563r, CAL5 ;0111HP5 , 30000 ug per mL Oil (600 uL of DRO211118A + 400 uL of DCM)	G:\Org\HP5\Methods\DC_ORO-BA-L%.xls	1	1	1	1	0	The integration of TEH(Oil Range)is the hydrocarbon response with reference to the baseline. Y-Scale adjusted.
G:\org\HP5\DAT\HP5011122_b\0111HP5.64r	DCM-Baseline Check-V64	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.65r	DCM-Baseline Check-V65	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.66r	DCM-Baseline Check-V66	G:\Org\HP5\Methods\DR_8015-HE-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.68r	DCM-Baseline Check-V68	G:\Org\HP5\Methods\DR_8015-IC-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5011122_b\0111HP5.69r	CCV_0111HP567r, Second Source ;0111HP5 , 5000 ug per mL (100uL of DRO210902A + 900uL DCM(14647)	G:\Org\HP5\Methods\DC_ORO-59-BA-L%.xls	1	1	1	1	0	The integration of TEH(Oil Range)is the hydrocarbon response with reference to the baseline. Y-Scale adjusted.

Ann Nebel

Digitally signed by
Ann Nebel
Date: 2022.02.11 10:29:31 -07:00

PREP BATCH REPORT

Prep Batch **163616** Prep Code: **HC-3520-DRO** Prep Temp **NA °C** Technician: **Ann Nebel** Batch Units: **ML** Prep Start Date: **2/8/2022 3:24:19 PM** Prep End Date: **2/9/2022 2:02:00 PM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
MB-163616			1000	0	0	1.00	0.001		2/8/2022	2/9/2022
Start time: 3:27 PM, 2/08/2022. End time: 02/09/2022 at 9:30 AM SGT was performed on remainder of sample on 02/10/2022 by AMN.										
LCS-163616			1000	0	0	1.00	0.001		2/8/2022	2/9/2022
All bottles were completely used, defaced and disposed of on 2/08/2022. SGT was performed on remainder of sample on 02/10/2022 by AMN. Blew down to .5 mL during the SGT process was brought back up to 0.9 mL. amn										
LCSD-163616			1000	0	0	1.00	0.001		2/8/2022	2/9/2022
JLB assisted in setting up waters, transfer, blow down, and bottling. SGT was performed on remainder of sample on 02/10/2022 by AMN.										
LCSD-163616-RRO			1000	0	0	1.00	0.001		2/8/2022	2/9/2022
SGT was performed on remainder of sample on 02/10/2022 by AMN.										
LCS-163616-RRO			1000	0	0	1.00	0.001		2/8/2022	2/9/2022
SGT was performed on remainder of sample on 02/10/2022 by AMN.										
B22020415-001D	Ground Water	2	1040	0	0	1.00	0.000957		2/8/2022	2/9/2022
Bottle 1/2 Clear SGT was performed on remainder of sample on 02/10/2022 by AMN.										
B22020415-006D	Ground Water	2	1030	0	0	1.00	0.000971		2/8/2022	2/9/2022
Bottle 1/2 Clear SGT was performed on remainder of sample on 02/10/2022 by AMN.										
B22020415-011D	Ground Water	2	1050	0	0	1.00	0.000952		2/8/2022	2/9/2022
Bottle 1/2 Clear										
B22020415-016B	Ground Water	2	1060	0	0	1.00	0.000943		2/8/2022	2/9/2022
Bottle 1/2 Clear SGT was performed on remainder of sample on 02/10/2022 by AMN.										
B22020415-017D	Ground Water	2	1060	0	0	1.00	0.000943		2/8/2022	2/9/2022
Bottle 1/2 Clear										
B22020415-022D	Ground Water	2	1060	0	0	1.00	0.000943		2/8/2022	2/9/2022
Bottle 1/2 Clear SGT was performed on remainder of sample on 02/10/2022 by AMN.										
B22020415-027D	Ground Water	2	1050	0	0	1.00	0.000952		2/8/2022	2/9/2022
Bottle 1/2 Clear SGT was performed on remainder of sample on 02/10/2022 by AMN.										
B22020415-032D	Ground Water	2	1060	0	0	1.00	0.000948		2/8/2022	2/9/2022
Bottle 1/2 Clear										

Number	Reagent Name	Exp Date	
11	Carbon Filter Water	1/1/2023	
13379	PTFE Boiling Stones 27463755	12/30/2025	
14206	pH-indicator Strips 0-14 HC160347	8/26/2026	
14719	4ML, Amber Vial, 20220104	1/4/2027	
14777	Dichloromethane EC 978	11/17/2023	

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
FP220126 14244	DCM RINSED FILTER PAPER	all	1	4/6/2026
Sulfate 01/25/22 (	Baked Sodium Sulfate	all	Varies	11/29/2026
DRO220119A	Triacontane SURR 1000 ug/mL	All except LCS, L	100 uL	4/6/2026
DRO211213A	OTP only SURR 2000 ug/mL	All except RRO-L	100 uL	9/30/2024
DRO220106C	#2 Diesel in Acetone 150,000 ug/m	LCS, LCSD, MS,	100 uL	11/5/2023
DRO220112A	50,000 ug/mL Oil Std for RRO-In D	LCS-RRO, LCSD	100 uL	9/1/2026
DRO210902C	3,000 ug/mL Oil Std For MDLS-In D	LOD	50 uL	9/1/2026
DRO211006B	Triacontane SURR 20 ug/mL	LOD	50 uL	4/6/2026

PREP BATCH REPORT

Prep Code: **HC-3520-DRO** Technician: **Ann Nebel** Prep Start Date: **2/8/2022 3:24:19 PM**

Prep Batch **163616** Prep Temp **NA °C** Batch Units: **ML** Prep End Date: **2/9/2022 2:02:00 PM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
B22020415-001D-MS	Ground Water	2	1040	0	0	1.00	0.000957		2/8/2022	2/9/2022
Bottle 2/2 Clear SGT was performed on remainder of sample on 02/10/2022 by AMN.										
B22020415-022D-MS-RRO	Ground Water	2	990	0	0	1.00	0.00101		2/8/2022	2/9/2022
Bottle 2/2 Clear SGT was performed on remainder of sample on 02/10/2022 by AMN.										
LOD-163616-RRO			1000	0	0	1.00	0.001		2/8/2022	2/9/2022
SGT was performed on remainder of sample on 02/10/2022 by AMN.										

Number	Reagent Name	Exp Date	A
11	Carbon Filter Water	1/1/2023	
13379	PTFE Boiling Stones 27463755	12/30/2025	
14206	pH-indicator Strips 0-14 HC160347	8/26/2026	
14719	4ML, Amber Vial, 20220104	1/4/2027	
14777	Dichloromethane EC 978	11/17/2023	

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
FP220126 14244	DCM RINSED FILTER PAPER	all	1	4/6/2026
Sulfate 01/25/22 (	Baked Sodium Sulfate	all	Varies	11/29/2026
DRO220119A	Triacontane SURR 1000 ug/mL	All except LCS, L	100 uL	4/6/2026
DRO211213A	OTP only SURR 2000 ug/mL	All except RRO-L	100 uL	9/30/2024
DRO220106C	#2 Diesel in Acetone 150,000 ug/m	LCS, LCSD, MS,	100 uL	11/5/2023
DRO220112A	50,000 ug/mL Oil Std for RRO-In D	LCS-RRO, LCSD	100 uL	9/1/2026
DRO210902C	3,000 ug/mL Oil Std For MDLS-In D	LOD	50 uL	9/1/2026
DRO211006B	Triacontane SURR 20 ug/mL	LOD	50 uL	4/6/2026

Energy Laboratories Inc

ANALYTICAL RUN Summary

11-Feb-22

Run ID GCFID-HP5-B_220209A

Run Start Date: 2/9/2022
Analyst: Ann Nebel
Ical:
Column ID:
Comments: DRO-8015-ICAL information is in Index GCFID-HP5-B_220111A 8015C OIL range calibration GCFID-HP5-B_220111C

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
DRO220128A	8015 CCV-15,000ug/mL + 200 OTP					CCV-DRO	4/30/2023
DRO220128B	Carbon Scan STD-Marker					MARKER	7/13/2026
DRO220201A	5,000 ug/mL RRO CCV 200 ug/mL Triacontane					CCV-RRO	4/6/2026

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028689	CCV_0209HP50	HC-8015-DRO-	CCV		2/9/2022 12:19:0	1	R374488		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		5.09391748		5	0	0	0.0879	0.3	0	102%	80	120	0%	
n-Triacontane	S	mg/L		0.1906058		0.2	0	0	0.000336	0.002	0	95%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028690	CCV_0209HP50	HC-8015-DRO-	CCV		2/9/2022 1:01:37	1	R374488		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		14.89284		15	0	0	0.0389	0.3	0	99%	80	120	0%	
Total Extractable Hydrocarbons	A	mg/L		15.39757		15	0	0	0.0749	0.3	50	103%	80	120	0%	
o-Terphenyl	S	mg/L		0.2080741		0.2	0	0	0.000429	0.002	0	104%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028691	LCS-163616	HC-8015-DRO-	LCS-DOD		2/9/2022 3:10:00	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028691	LCS-163616	HC-8015-DRO-	LCS-DOD		2/9/2022 3:10:00	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		11.57112		15	0	0	0.0389	0.3	0	77%	36	132	0%	
Total Extractable Hydrocarbons	A	mg/L		12.38437		15	0	0	0.0749	0.3	50	83%	60	132	0%	
o-Terphenyl	S	mg/L		0.1810242		0.2	0	0	0.000429	0.002	0	91%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028692	LCSD-163616	HC-8015-DRO-	LCSD-DOD		2/9/2022 3:52:49	1	163616	2/8/2022 3:2	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		11.33179		15	0	11.57112	0.0389	0.3	0	76%	36	132	2%	
Total Extractable Hydrocarbons	A	mg/L		12.09529		15	0	12.38437	0.0749	0.3	50	81%	60	132	2%	
o-Terphenyl	S	mg/L		0.1803467		0.2	0	0	0.000429	0.002	0	90%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028693	MB-163616	HC-8015-DRO-	MBLK		2/9/2022 4:35:41	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		0		0	0	0	0.0389	0.15	0	0%	0	0	0%	
Oil Range Hydrocarbons (C24 to C40	A	mg/L		0		0	0	0	0.0879	0.15	0	0%	0	0	0%	
Total Extractable Hydrocarbons	A	mg/L		0		0	0	0	0.0749	0.15	50	0%	0	0	0%	
n-Triacontane	S	mg/L		0.093		0.1	0	0	0.000336	0.002	0	93%	50	150	0%	
o-Terphenyl	S	mg/L		0.17677		0.2	0	0	0.000429	0.002	0	88%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028694	B22020415-001	HC-8015-DRO-	SAMP		2/9/2022 5:18:29	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		0.3171909		0	0	0	0.0372273	0.3	0	0%	0	0	0%	
Oil Range Hydrocarbons (C24 to C40	A	mg/L		0.11741675		0	0	0	0.0841203	0.3	0	0%	0	0	0%	J
Total Extractable Hydrocarbons	A	mg/L		0.4412484		0	0	0	0.0716793	0.3	50	0%	0	0	0%	
n-Triacontane	S	mg/L		0.098		0.0957	0	0	0.0003216	0.001914	0	102%	50	150	0%	
o-Terphenyl	S	mg/L		0.1798451		0.1914	0	0	0.0004106	0.002	0	94%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028695	B22020415-001	HC-8015-DRO-	MS-DOD		2/9/2022 6:01:22	1	163616	2/8/2022 3:2	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		11.53223		14.355	0.3171909	0	0.0372273	0.3	0	78%	36	132	0%	
Total Extractable Hydrocarbons	A	mg/L		12.31522		14.355	0.4412484	0	0.0716793	0.3	50	83%	60	132	0%	
o-Terphenyl	S	mg/L		0.1734683		0.1914	0	0	0.0004106	0.002	0	91%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028696	B22020415-011	HC-8015-DRO-	SAMP		2/9/2022 7:27:01	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		0		0	0	0	0.0370328	0.3	0	0%	0	0	0%	U
Oil Range Hydrocarbons (C24 to C40	A	mg/L		0		0	0	0	0.0836808	0.3	0	0%	0	0	0%	U
Total Extractable Hydrocarbons	A	mg/L		0		0	0	0	0.0713048	0.3	50	0%	0	0	0%	U
n-Triacontane	S	mg/L		0.096		0.0952	0	0	0.0003199	0.001904	0	101%	50	150	0%	
o-Terphenyl	S	mg/L		0.182003		0.1904	0	0	0.0004084	0.002	0	96%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028697	B22020415-016	HC-8015-DRO-	SAMP		2/9/2022 8:09:58	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		0.07553684		0	0	0	0.0366827	0.3	0	0%	0	0	0%	J
Oil Range Hydrocarbons (C24 to C40	A	mg/L		0.17183009		0	0	0	0.0828897	0.3	0	0%	0	0	0%	J
Total Extractable Hydrocarbons	A	mg/L		0.2769223		0	0	0	0.0706307	0.3	50	0%	0	0	0%	J
n-Triacontane	S	mg/L		0.095		0.0943	0	0	0.0003168	0.001886	0	101%	50	150	0%	
o-Terphenyl	S	mg/L		0.1780905		0.1886	0	0	0.0004045	0.002	0	94%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028698	B22020415-017	HC-8015-DRO-	SAMP		2/9/2022 8:53:03	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		0		0	0	0	0.0366827	0.3	0	0%	0	0	0%	U
Oil Range Hydrocarbons (C24 to C40	A	mg/L		0		0	0	0	0.0828897	0.3	0	0%	0	0	0%	U
Total Extractable Hydrocarbons	A	mg/L		0		0	0	0	0.0706307	0.3	50	0%	0	0	0%	U
n-Triacontane	S	mg/L		0.096		0.0943	0	0	0.0003168	0.001886	0	102%	50	150	0%	
o-Terphenyl	S	mg/L		0.1812323		0.1886	0	0	0.0004045	0.002	0	96%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028699	B22020415-006	HC-8015-DRO-	SAMP		2/9/2022 9:35:56	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		0.3010084		0	0	0	0.0377719	0.3	0	0%	0	0	0%	
Oil Range Hydrocarbons (C24 to C40	A	mg/L		0.19391371		0	0	0	0.0853509	0.3	0	0%	0	0	0%	J
Total Extractable Hydrocarbons	A	mg/L		0.6134966		0	0	0	0.0727279	0.3	50	0%	0	0	0%	
n-Triacontane	S	mg/L		0.094		0.0971	0	0	0.0003263	0.001942	0	97%	50	150	0%	
o-Terphenyl	S	mg/L		0.1760385		0.1942	0	0	0.0004166	0.002	0	91%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028700	CCV_0209HP51	HC-8015-DRO-	CCV		2/9/2022 11:01:5	1	R374488		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		4.91993848		5	0	0	0.0879	0.3	0	98%	80	120	0%	
n-Triacontane	S	mg/L		0.1821714		0.2	0	0	0.000336	0.002	0	91%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028701	CCV_0209HP52	HC-8015-DRO-	CCV		2/9/2022 11:45:0	1	R374488		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		14.78549		15	0	0	0.0389	0.3	0	99%	80	120	0%	
Total Extractable Hydrocarbons	A	mg/L		15.30261		15	0	0	0.0749	0.3	50	102%	80	120	0%	
o-Terphenyl	S	mg/L		0.2060842		0.2	0	0	0.000429	0.002	0	103%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028702	B22020415-027	HC-8015-DRO-	SAMP		2/10/2022 3:21:1	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		0.1871259		0	0	0	0.0370328	0.3	0	0%	0	0	0%	J
Oil Range Hydrocarbons (C24 to C40	A	mg/L		0.13389729		0	0	0	0.0836808	0.3	0	0%	0	0	0%	J
Total Extractable Hydrocarbons	A	mg/L		0.3543674		0	0	0	0.0713048	0.3	50	0%	0	0	0%	
n-Triacontane	S	mg/L		0.096		0.0952	0	0	0.0003199	0.001904	0	101%	50	150	0%	
o-Terphenyl	S	mg/L		0.1730118		0.1904	0	0	0.0004084	0.002	0	91%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028703	B22020415-022	HC-8015-DRO-	MS-DOD		2/10/2022 4:04:2	1	163616	2/8/2022 3:2	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		4.97759819		5.05	0	0	0.088779	0.303	0	99%	41	113	0%	
n-Triacontane	S	mg/L		0.097		0.101	0	0	0.0003394	0.00202	0	96%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028704	LCSD-163616-R	HC-8015-DRO-	LCSD-DOD		2/10/2022 8:58:5	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		4.73108721		5	0	0	0.0879	0.3	0	95%	41	113	0%	
n-Triacontane	S	mg/L		0.095		0.1	0	0	0.000336	0.002	0	95%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028705	LCS-163616-RR	HC-8015-DRO-	LCS-DOD		2/10/2022 9:41:3	1	163616	2/8/2022 3:2	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		4.77232027		5	0	4.7310872	0.0879	0.3	0	95%	41	113	1%	
n-Triacontane	S	mg/L		0.095		0.1	0	0	0.000336	0.002	0	95%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031055	CCV_0209HP53	HC-8015-DRO-	CCV		2/10/2022 11:06:	1	R374488		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		5.16265576		5	0	0	0.0879	0.3	0	103%	80	120	0%	
n-Triacontane	S	mg/L		0.1900182		0.2	0	0	0.000336	0.002	0	95%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031056	CCV_0209HP53	HC-8015-DRO-	CCV		2/10/2022 11:49:	1	R374488		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		16.00184		15	0	0	0.0389	0.3	0	107%	80	120	0%	
Total Extractable Hydrocarbons	A	mg/L		16.00184		15	0	0	0.0749	0.3	50	107%	80	120	0%	
o-Terphenyl	S	mg/L		0.2168928		0.2	0	0	0.000429	0.002	0	108%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031057	B22020415-032	HC-8015-DRO-	SAMP		2/10/2022 1:57:4	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		0		0	0	0	0.0368772	0.3	0	0%	0	0	0%	U
Oil Range Hydrocarbons (C24 to C40	A	mg/L		0		0	0	0	0.0833292	0.3	0	0%	0	0	0%	U
Total Extractable Hydrocarbons	A	mg/L		0		0	0	0	0.0710052	0.3	50	0%	0	0	0%	U
n-Triacontane	S	mg/L		0.093		0.0948	0	0	0.0003185	0.001896	0	98%	50	150	0%	
o-Terphenyl	S	mg/L		0.1753548		0.1896	0	0	0.0004067	0.002	0	92%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031058	B22020415-022	HC-8015-DRO-	SAMP		2/10/2022 2:40:3	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		0		0	0	0	0.0366827	0.3	0	0%	0	0	0%	U
Oil Range Hydrocarbons (C24 to C40	A	mg/L		0		0	0	0	0.0828897	0.3	0	0%	0	0	0%	U
Total Extractable Hydrocarbons	A	mg/L		0.07293886		0	0	0	0.0706307	0.3	50	0%	0	0	0%	J
n-Triacontane	S	mg/L		0.095		0.0943	0	0	0.0003168	0.001886	0	101%	50	150	0%	
o-Terphenyl	S	mg/L		0.1664992		0.1886	0	0	0.0004045	0.002	0	88%	56	125	0%	
TEH(Oil Range)	X	mg/L		0		0	0	0	0.0828897	0.3	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031059	CCV_0209HP55	HC-8015-DRO-	CCV		2/10/2022 10:33:	1	R374488		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		5.13794141		5	0	0	0.0879	0.3	0	103%	80	120	0%	
n-Triacontane	S	mg/L		0.1918486		0.2	0	0	0.000336	0.002	0	96%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031060	CCV_0209HP55	HC-8015-DRO-	CCV		2/10/2022 11:16:	1	R374488		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		15.67277		15	0	0	0.0389	0.3	0	104%	80	120	0%	
Total Extractable Hydrocarbons	A	mg/L		16.21882		15	0	0	0.0749	0.3	50	108%	80	120	0%	
o-Terphenyl	S	mg/L		0.2187438		0.2	0	0	0.000429	0.002	0	109%	80	120	0%	

Energy Laboratories Inc

ANALYTICAL RUN Summary

11-Feb-22

Run ID GCFID-HP5-B_220209B

Run Start Date: 2/9/2022
Analyst: Ann Nebel
Ical:
Column ID:
Comments: DRO-8015-ICAL information is in Index GCFID-HP5-B_220111A 8015C OIL range calibration GCFID-HP5-B_220111C

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
DRO220128A	8015 CCV-15,000ug/mL + 200 OTP					CCV-DRO	4/30/2023
DRO220128B	Carbon Scan STD-Marker					MARKER	7/13/2026
DRO220201A	5,000 ug/mL RRO CCV 200 ug/mL Triacontane					CCV-RRO	4/6/2026

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031069	CCV_0209HP53	HC-8015-DRO-	CCV		2/10/2022 11:06:	1	R374563		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		5.16265576		5	0	0	0.0879	0.3	0	103%	80	120	0%	
n-Triacontane	S	mg/L		0.1900182		0.2	0	0	0.000336	0.002	0	95%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031070	CCV_0209HP53	HC-8015-DRO-	CCV		2/10/2022 11:49:	1	R374563		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		16.00184		15	0	0	0.0389	0.3	0	107%	80	120	0%	
Total Extractable Hydrocarbons	A	mg/L		16.00184		15	0	0	0.0749	0.3	50	107%	80	120	0%	
o-Terphenyl	S	mg/L		0.2168928		0.2	0	0	0.000429	0.002	0	108%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031071	LCS-163616	HC-8015-DRO-	LCS-DOD		2/10/2022 3:23:3	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031071	LCS-163616	HC-8015-DRO-	LCS-DOD		2/10/2022 3:23:3	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (SGT-C10 to	A	mg/L		8.922567		15	0	0	0.0281	0.3	0	59%	36	132	0%	
Total Extractable Hydrocarbons (SGT	A	mg/L		9.533887		15	0	0	0.0357	0.3	0	64%	60	132	0%	
o-Terphenyl (SGT)	S	mg/L		0.1461413		0.2	0	0	0.000429	0.002	0	73%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031072	LCSD-163616	HC-8015-DRO-	LCSD-DOD		2/10/2022 4:06:1	1	163616	2/8/2022 3:2	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (SGT-C10 to	A	mg/L		11.1153		15	0	8.922567	0.0281	0.3	0	74%	36	132	22%	R
Total Extractable Hydrocarbons (SGT	A	mg/L		11.83737		15	0	9.533887	0.0357	0.3	0	79%	60	132	22%	R
o-Terphenyl (SGT)	S	mg/L		0.1807422		0.2	0	0	0.000429	0.002	0	90%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031073	MB-163616	HC-8015-DRO-	MBLK		2/10/2022 4:48:5	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (SGT-C10 to	A	mg/L		0		0	0	0	0.0281	0.15	0	0%	0	0	0%	
Oil Range Hydrocarbons (SGT-C24 t	A	mg/L		0		0	0	0	0.0879	0.15	0	0%	0	0	0%	
Total Extractable Hydrocarbons (SGT	A	mg/L		0		0	0	0	0.0357	0.15	0	0%	0	0	0%	
n-Triacontane (SGT)	S	mg/L		0.088		0.1	0	0	0.000336	0.002	0	88%	50	150	0%	
o-Terphenyl (SGT)	S	mg/L		0.1588675		0.2	0	0	0.000429	0.002	0	79%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031074	B22020415-001	HC-8015-DRO-	SAMP		2/10/2022 5:32:0	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (SGT-C10 to	A	mg/L		0.1636505		0	0	0	0.0268917	0.3	0	0%	0	0	0%	J
Oil Range Hydrocarbons (SGT-C24 t	A	mg/L		0		0	0	0	0.0841203	0.3	0	0%	0	0	0%	U
Total Extractable Hydrocarbons (SGT	A	mg/L		0.1795272		0	0	0	0.0341649	0.3	0	0%	0	0	0%	J
n-Triacontane (SGT)	S	mg/L		0.089		0.0957	0	0	0.0003216	0.001914	0	93%	50	150	0%	
o-Terphenyl (SGT)	S	mg/L		0.1624573		0.1914	0	0	0.0004106	0.001914	0	85%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031075	B22020415-001	HC-8015-DRO-	MS-DOD		2/10/2022 6:15:1	1	163616	2/8/2022 3:2	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (SGT-C10 to	A	mg/L		11.37892		14.355	0.1636505	0	0.0268917	0.3	0	78%	36	132	0%	
Total Extractable Hydrocarbons (SGT	A	mg/L		12.10275		14.355	0.1795272	0	0.0341649	0.3	0	83%	60	132	0%	
o-Terphenyl (SGT)	S	mg/L		0.1768918		0.1914	0	0	0.0004106	0.002	0	92%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031076	B22020415-016	HC-8015-DRO-	SAMP		2/10/2022 7:41:0	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (SGT-C10 to	A	mg/L		0		0	0	0	0.0264983	0.3	0	0%	0	0	0%	U
Oil Range Hydrocarbons (SGT-C24 t	A	mg/L		0		0	0	0	0.0828897	0.3	0	0%	0	0	0%	U
Total Extractable Hydrocarbons (SGT	A	mg/L		0		0	0	0	0.0336651	0.3	0	0%	0	0	0%	U
n-Triacontane (SGT)	S	mg/L		0.091		0.0943	0	0	0.0003168	0.001886	0	97%	50	150	0%	
o-Terphenyl (SGT)	S	mg/L		0.1674139		0.1886	0	0	0.0004045	0.001886	0	89%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031077	B22020415-027	HC-8015-DRO-	SAMP		2/10/2022 8:23:5	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (SGT-C10 to	A	mg/L		0.125072		0	0	0	0.0267512	0.3	0	0%	0	0	0%	J
Oil Range Hydrocarbons (SGT-C24 t	A	mg/L		0		0	0	0	0.0836808	0.3	0	0%	0	0	0%	U
Total Extractable Hydrocarbons (SGT	A	mg/L		0.1438295		0	0	0	0.0339864	0.3	0	0%	0	0	0%	J
n-Triacontane (SGT)	S	mg/L		0.089		0.0952	0	0	0.0003199	0.001904	0	93%	50	150	0%	
o-Terphenyl (SGT)	S	mg/L		0.1528735		0.1904	0	0	0.0004084	0.001904	0	80%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031078	B22020415-022	HC-8015-DRO-	SAMP		2/10/2022 9:06:5	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (SGT-C10 to	A	mg/L		0		0	0	0	0.0264983	0.3	0	0%	0	0	0%	U
Oil Range Hydrocarbons (SGT-C24 t	A	mg/L		0		0	0	0	0.0828897	0.3	0	0%	0	0	0%	U
Total Extractable Hydrocarbons (SGT	A	mg/L		0		0	0	0	0.0336651	0.3	0	0%	0	0	0%	U
n-Triacontane (SGT)	S	mg/L		0.072		0.0943	0	0	0.0003168	0.001886	0	76%	50	150	0%	
o-Terphenyl (SGT)	S	mg/L		0.1214633		0.1886	0	0	0.0004045	0.001886	0	64%	56	125	0%	
TEH (SGT-Oil Range)	X	mg/L		0.00487594		0	0	0	0	0.2829	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031079	CCV_0209HP55	HC-8015-DRO-	CCV		2/10/2022 10:33:	1	R374563		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		5.13794141		5	0	0	0.0879	0.3	0	103%	80	120	0%	
n-Triacontane	S	mg/L		0.1918486		0.2	0	0	0.000336	0.002	0	96%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031080	CCV_0209HP55	HC-8015-DRO-	CCV		2/10/2022 11:16:	1	R374563		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		15.67277		15	0	0	0.0389	0.3	0	104%	80	120	0%	
Total Extractable Hydrocarbons	A	mg/L		16.21882		15	0	0	0.0749	0.3	50	108%	80	120	0%	
o-Terphenyl	S	mg/L		0.2187438		0.2	0	0	0.000429	0.002	0	109%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031081	B22020415-006	HC-8015-DRO-	SAMP		2/11/2022 12:42:	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (SGT-C10 to	A	mg/L		0.03437703		0	0	0	0.0272851	0.3	0	0%	0	0	0%	J
Oil Range Hydrocarbons (SGT-C24 t	A	mg/L		0		0	0	0	0.0853509	0.3	0	0%	0	0	0%	U
Total Extractable Hydrocarbons (SGT	A	mg/L		0.04603936		0	0	0	0.0346647	0.3	0	0%	0	0	0%	J
n-Triacontane (SGT)	S	mg/L		0.078		0.0971	0	0	0.0003263	0.001942	0	80%	50	150	0%	
o-Terphenyl (SGT)	S	mg/L		0.1427892		0.1942	0	0	0.0004166	0.001942	0	74%	56	125	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031082	B22020415-022	HC-8015-DRO-	MS-DOD		2/11/2022 1:25:2	1	163616	2/8/2022 3:2	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH (SGT-Oil Range)	A	mg/L		4.81518221		5.05	0.0048759	0	0.088779	0.303	0	95%	41	113	0%	
n-Triacontane (SGT)	S	mg/L		0.096		0.101	0	0	0.0003394	0.00202	0	95%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031083	LCS-163616-RR	HC-8015-DRO-	LCS-DOD		2/11/2022 8:25:5	1	163616	2/8/2022 3:2	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH (SGT-Oil Range)	A	mg/L		4.43170834		5	0	0	0.0879	0.3	0	89%	41	113	0%	
n-Triacontane (SGT)	S	mg/L		0.088		0.1	0	0	0.000336	0.002	0	88%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031084	LCSD-163616-R	HC-8015-DRO-	LCSD-DOD		2/11/2022 9:08:4	1	163616	2/8/2022 3:2	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH (SGT-Oil Range)	A	mg/L		3.90811968		5	0	4.4317083	0.0879	0.3	0	78%	41	113	13%	
n-Triacontane (SGT)	S	mg/L		0.073		0.1	0	0	0.000336	0.002	0	73%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031085	CCV_0209HP56	HC-8015-DRO-	CCV		2/11/2022 10:33:	1	R374563		0	0	

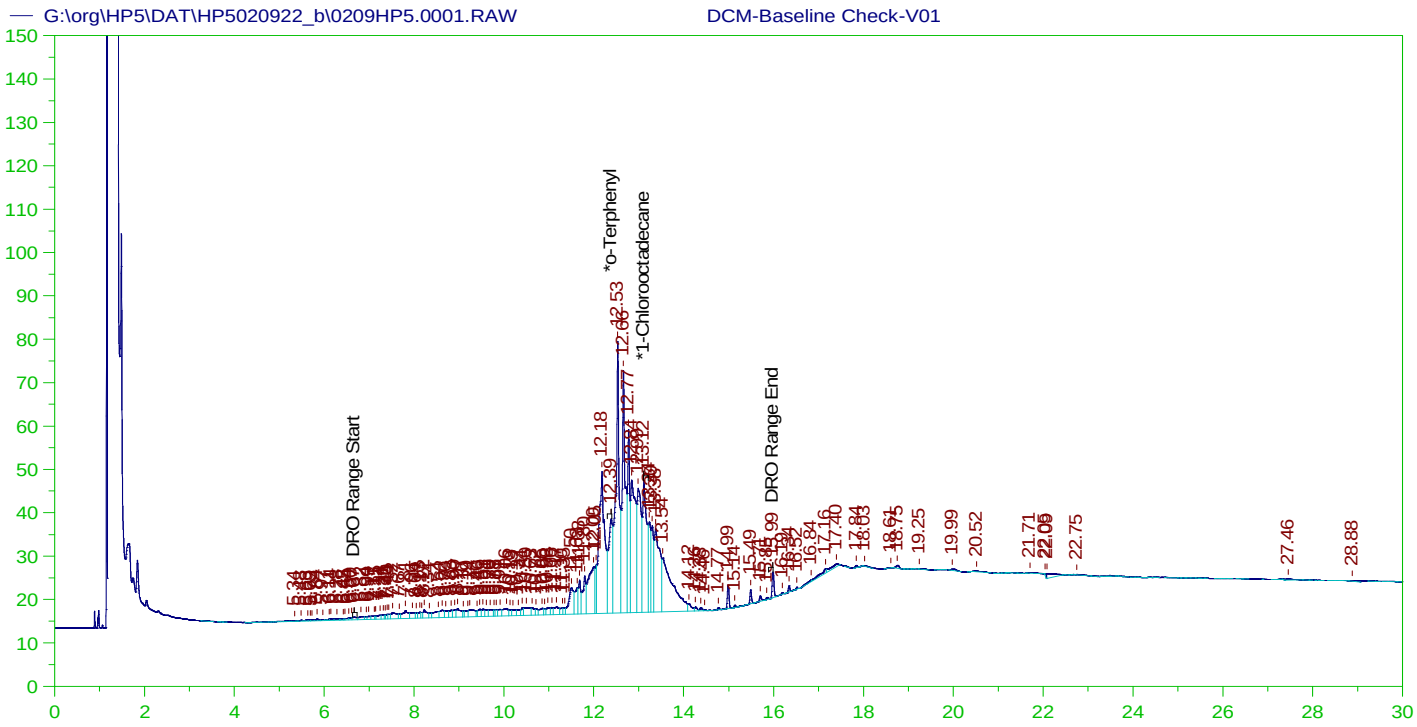
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
TEH(Oil Range)	A	mg/L		5.14645557		5	0	0	0.0879	0.3	0	103%	80	120	0%	
n-Triacontane	S	mg/L		0.190097		0.2	0	0	0.000336	0.002	0	95%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15031086	CCV_0209HP56	HC-8015-DRO-	CCV		2/11/2022 11:16:	1	R374563		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Diesel Range Organics (C10 to C24)	A	mg/L		15.73194		15	0	0	0.0389	0.3	0	105%	80	120	0%	
Total Extractable Hydrocarbons	A	mg/L		16.26276		15	0	0	0.0749	0.3	50	108%	80	120	0%	
o-Terphenyl	S	mg/L		0.2190368		0.2	0	0	0.000429	0.002	0	110%	80	120	0%	

Write Sequence / Data File	Insert Entries(Have the first cell for entries selecte / Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
G:\org\HP5\DAT\HP5020922_b\0209HP5.01r	DCM-Baseline Check-V01	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.02r	DCM-Baseline Check-V02	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.03r	MARKER_0209HP503r, DRO ;0209HP5 , DRO220128B	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.04r	CCV_0209HP504r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.05r	CCV_0209HP505r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.06r	DCM-Baseline Check-V06	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.07r	DCM-Baseline Check-V07	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.08r	LCS-163616 ;0209HP5 ,	G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.09r	LCSD-163616 ;0209HP5 ,	G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.10r	MB-163616 ;0209HP5 ,	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.11r	B22020415-001D ;0209HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\D3_8015-C24T-JE-L%.met G:\Org\HP5\Methods\D3_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1045	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.12r	B22020415-001D-MS ;0209HP5 ,	G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1045	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.13r	DCM-Baseline Check-V13	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.14r	B22020415-011D ;0209HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1050	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.15r	B22020415-016B ;0209HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\D3_8015-020915-JE-L%.met G:\Org\HP5\Methods\D3_OROS-020915-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1060	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.16r	B22020415-017D ;0209HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1060	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.17r	B22020415-006D ;0209HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\D3_8015-C24T-JE-L%.met G:\Org\HP5\Methods\D3_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1030	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.18r	MARKER_0209HP518r, DRO ;0209HP5 , DRO220128B	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.19r	CCV_0209HP519r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.20r	CCV_0209HP520r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.21r	DCM-Baseline Check-V21	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.22r	DCM-Baseline Check-V22	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.23r	B22020415-022D ;0209HP5 , $HC-8015-DRO-W, Need RR to verify	G:\Org\HP5\Methods\DR_8015-C24T-JE-L0.met	1060	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.24r	B22020415-032D ;0209HP5 , $HC-8015-DRO-W, Need RR to verify	G:\Org\HP5\Methods\DR_8015-C24T-JE-L0.met	1055	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.25r	B22020415-027D ;0209HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\D3_8015-C24T-JE-L%.met G:\Org\HP5\Methods\D3_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1050	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.26r	B22020415-022D-MS-RRO ;0209HP5 ,	G:\Org\HP5\Methods\D3_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	990	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.27r	DCM-Baseline Check-V27	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.28r	LCS-163616-RRO ;0209HP5 , Needs RR due to electrical spike	G:\Org\HP5\Methods\D3_ORO-BE-L0.MET	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.29r	DCM-Baseline Check-V29	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.30r	LCSD-163616-RRO ;0209HP5 , Lost communication did not poke vial.	G:\Org\HP5\Methods\D3_ORO-BE-L0.MET	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.31r	DCM-Baseline Check-V31	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.32r	LCSD-163616-RRO ;0209HP5 , RR	G:\Org\HP5\Methods\D3_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.33r	LCS-163616-RRO ;0209HP5 , RR	G:\Org\HP5\Methods\D3_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.34r	MARKER_0209HP534r, DRO ;0209HP5 , DRO220128B-	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.35r	CCV_0209HP535r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.36r	CCV_0209HP536r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.37r	DCM-Baseline Check-V37	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.38r	DCM-Baseline Check-V38	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.39r	B22020415-032D ;0209HP5 , $HC-8015-DRO-W, RR	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1055	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.40r	B22020415-022D ;0209HP5 , $HC-8015-DRO-W, RR	G:\Org\HP5\Methods\DR_8015-020940-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1060	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.50r	MARKER_0209HP550r, DRO ;0209HP5 , DRO220128B	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.51r	CCV_0209HP551r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.52r	CCV_0209HP552r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0

Write Sequence	Insert Entries(Have the first cell for entries selecte						
Data File	Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
G:\org\HP5\DAT\HP5020922_b\0209HP5.34r	MARKER_0209HP534r, DRO ;0209HP5 , DRO220128B-	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.35r	CCV_0209HP535r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.36r	CCV_0209HP536r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.37r	DCM-Baseline Check-V37	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.38r	DCM-Baseline Check-V38	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.41r	LCS-163616 ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.42r	LCSD-163616 ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.43r	MB-163616 ;0209HP5 , SGT	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.44r	B22020415-001D ;0209HP5 , $HC-8015-DRO-W, SGT	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1045	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.45r	B22020415-001D-MS ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1045	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.46r	DCM-Baseline Check-V46	G:\Org\HP5\Methods\D3_8015-C24-JE-L0.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.47r	B22020415-016B ;0209HP5 , $HC-8015-DRO-W, SGT	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1060	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.48r	B22020415-027D ;0209HP5 , $HC-8015-DRO-W, SGT	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1050	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.49r	B22020415-022D ;0209HP5 , $HC-8015-DRO-W, SGT	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1060	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.50r	MARKER_0209HP550r, DRO ;0209HP5 , DRO220128B	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.51r	CCV_0209HP551r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.52r	CCV_0209HP552r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.53r	DCM-Baseline Check-V53	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.54r	B22020415-006D ;0209HP5 , $HC-8015-DRO-W, SGT	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1030	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.55r	B22020415-022D-MS-RRO ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	990	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.56r	DCM-Baseline Check-V56 lost communication with GC V56-V63 did not poke, instrument just kept on running without poking vials.	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.57r	LCS-163616-RRO ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_ORO-BE-L0.MET	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.58r	DCM-Baseline Check-V58	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.59r	LCSD-163616-RRO ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_ORO-BE-L0.MET	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.60r	MARKER_0209HP560r, DRO ;0209HP5 , DRO220128B	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.61r	CCV_0209HP561r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L0.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.62r	CCV_0209HP562r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L0.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.63r	DCM-Baseline Check-V63	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.64r	DCM-Baseline Check-Communication was acquired again with GC-V64	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.65r	LCS-163616-RRO ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.66r	LCSD-163616-RRO ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1000	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.67r	MARKER_0209HP567r, DRO ;0209HP5 , DRO220128B	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.68r	CCV_0209HP568r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0
G:\org\HP5\DAT\HP5020922_b\0209HP5.69r	CCV_0209HP569r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0

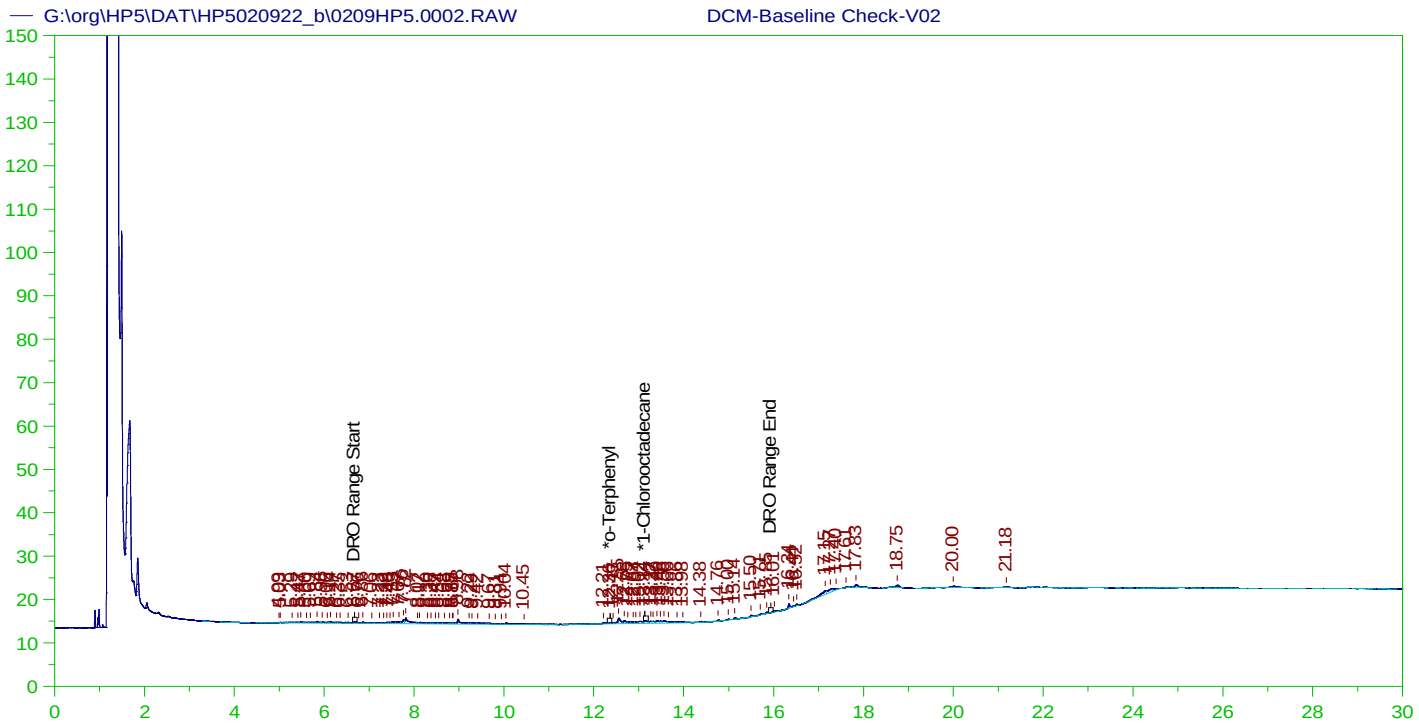


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V01
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0001.RAW
Date & Time Acquired: 2/9/2022 10:11:19 AM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.385	200.	3.926	1.96	-
*1-Chlorooctadecane	13.116	200.	5.284	2.64	-

DRO Area:2707193 DRO Amount: 82.85122
TEH Area:2799704 TEH Amount: 85.68242

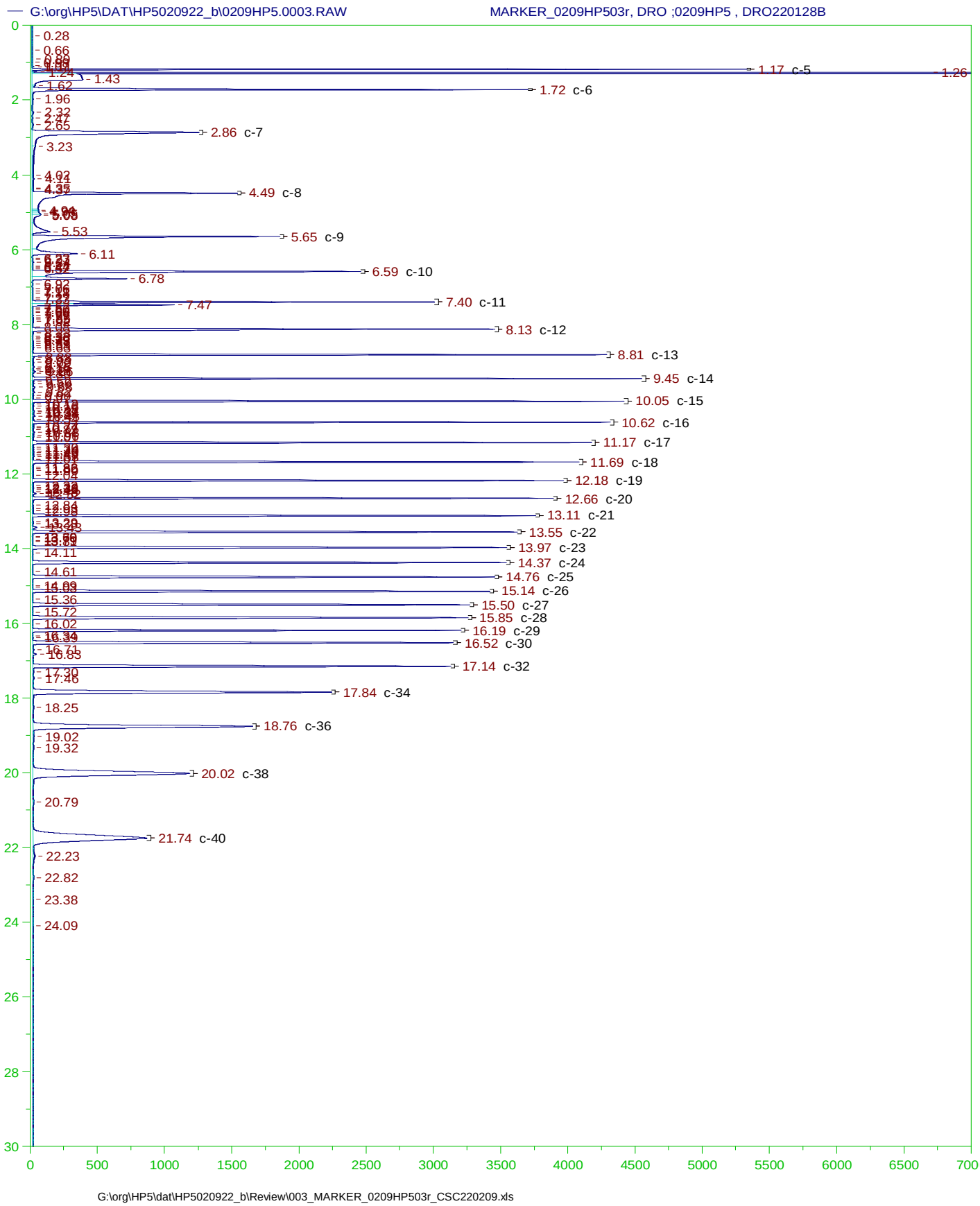


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V02
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0002.RAW
Date & Time Acquired: 2/9/2022 10:53:47 AM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.364	200.	.016	.01	-
*1-Chlorooctadecane	13.136	200.	.095	.05	-

DRO Area:102915.3 DRO Amount: 3.14963
TEH Area:165928.2 TEH Amount: 5.078084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MARKER_0209HP503r, DRO ;0209HP5 , DRO220128B
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0.66
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1.26
1.24
1.43
1.62
1.72 c-6
1.96
2.32
2.65
2.86 c-7
3.23
4.02
4.11
4.35
4.49 c-8
4.94
5.03
5.53
5.65 c-9
6.11
6.27
6.37
6.59 c-10
6.78
6.92
7.06
7.37
7.47
7.40 c-11
7.80
8.13 c-12
8.81 c-13
9.45 c-14
10.05 c-15
10.62 c-16
11.17 c-17
11.69 c-18
12.18 c-19
12.66 c-20
13.11 c-21
13.55 c-22
13.97 c-23
14.11
14.37 c-24
14.61
14.76 c-25
15.03
15.14 c-26
15.36
15.50 c-27
15.72
15.85 c-28
16.02
16.19 c-29
16.34
16.52 c-30
16.71
16.83
17.14 c-32
17.30
17.46
17.84 c-34
18.25
18.76 c-36
19.02
19.32
20.02 c-38
20.79
21.74 c-40
22.23
22.82
23.38
24.09
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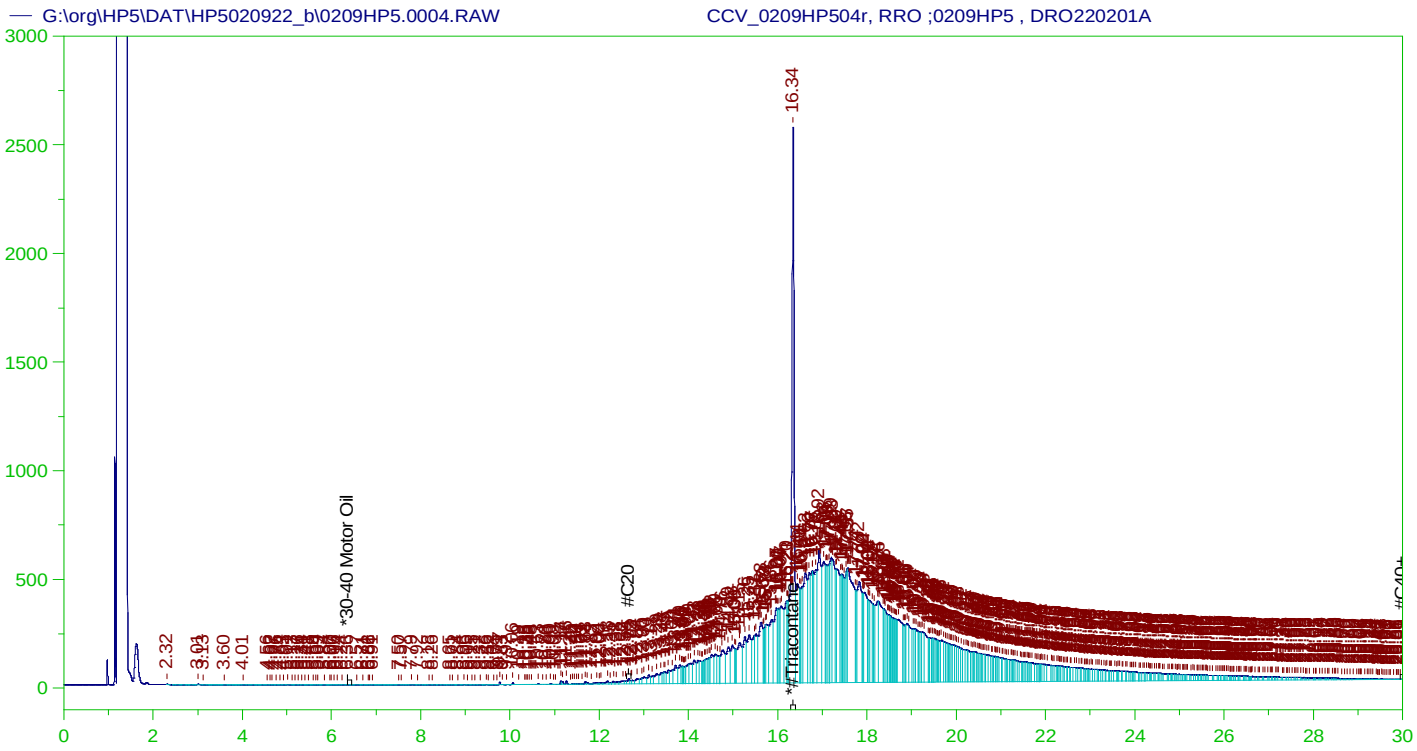

RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP504r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0004.RAW
Date & Time Acquired: 2/9/2022 12:19:04 PM
Method File: G:\Org\HP5\Methods\DC_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.342	500.	323.488	64.7	-

~~RRO~~ TEH(Oil Range) Area:1.346045E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 5093.917

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0004.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.039	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.342	200.	323.488	161.74	75-125

AMN 02/16/2022

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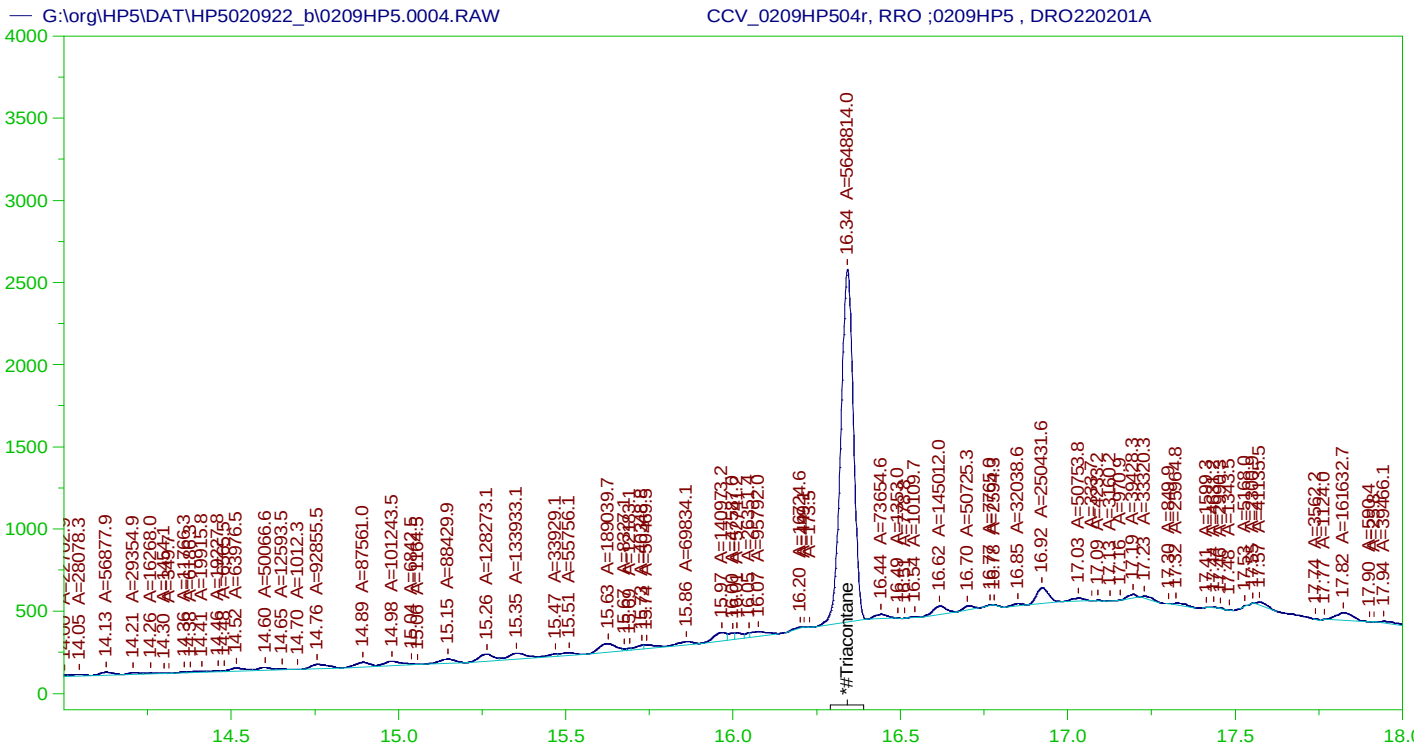


RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP504r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0004.RAW
Date & Time Acquired: 2/9/2022 12:19:04 PM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

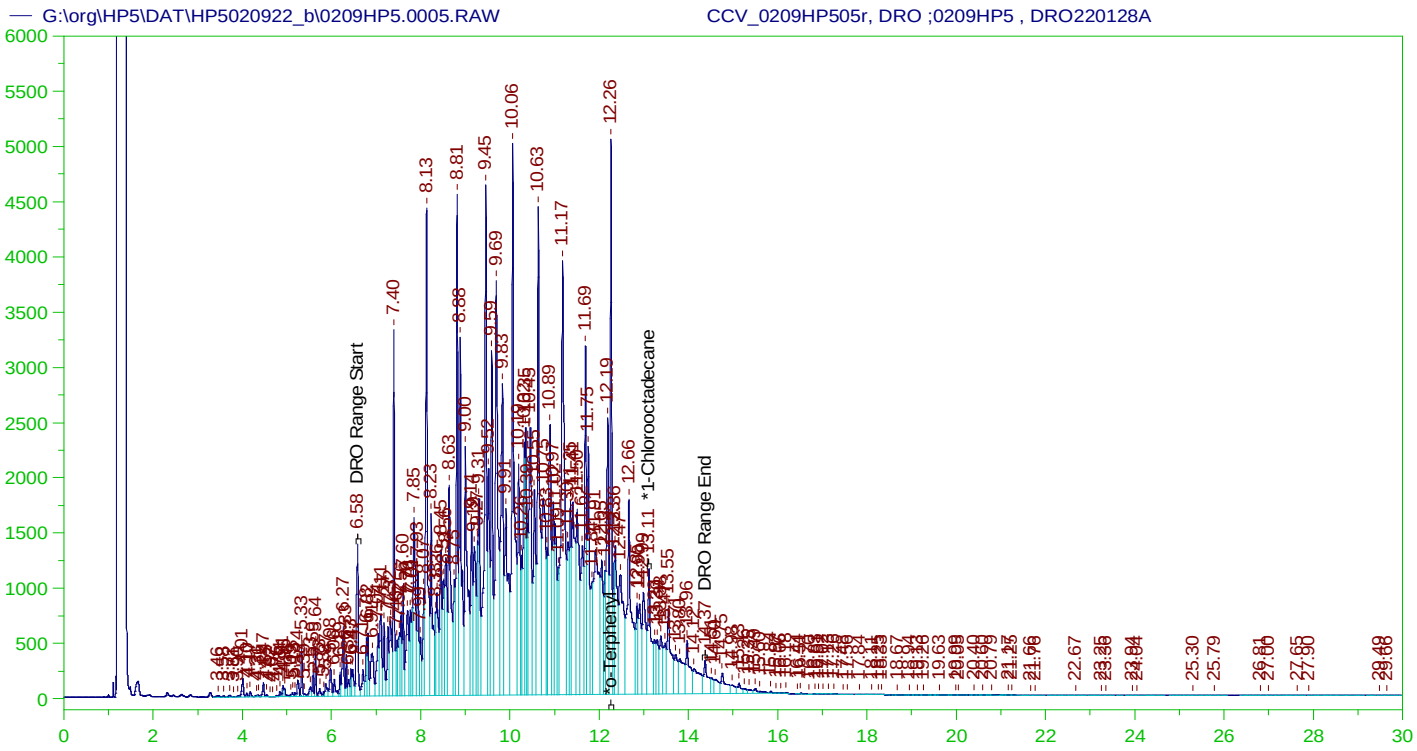
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.342	500.	190.606	38.12	-

RRO Area:3446210 RRO AMOUNT: 130.417

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0004.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.039	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.342	200.	190.606	95.3	75-125



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP505r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0005.RAW
Date & Time Acquired: 2/9/2022 1:01:37 PM
Method File: G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

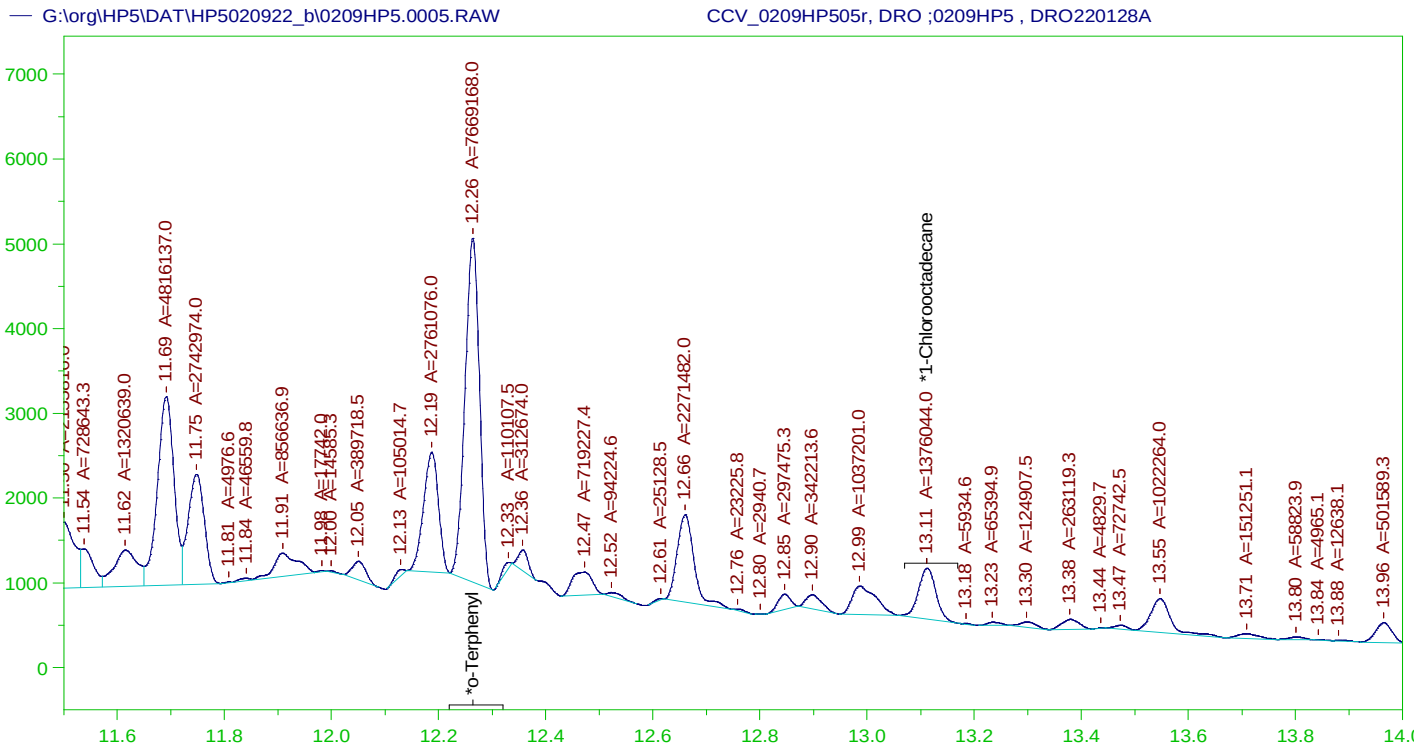
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.264	200.	336.744	168.37	-
*1-Chlorooctadecane	13.112	200.	162.121	81.06	-

DRO Area:4.866288E+08 DRO Amount: 14892.84
TEH Area:5.031212E+08 TEH Amount: 15397.57

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0005.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	15397.57	102.65	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.264	200.	336.744	168.37	85-115
*1-Chlorooctadecane	13.112	200.	162.121	81.06	85-115



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP505r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0005.RAW
Date & Time Acquired: 2/9/2022 1:01:37 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.264	200.	208.074	104.04	-
*1-Chlorooctadecane	13.112	200.	37.334	18.67	-

DRO Area:2.506675E+08 DRO Amount: 7671.453
TEH Area:2.617532E+08 TEH Amount: 8010.721

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0005.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	8010.72	53.4	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.264	200.	208.074	104.04	85-115
*1-Chlorooctadecane	13.112	200.	37.334	18.67	85-115

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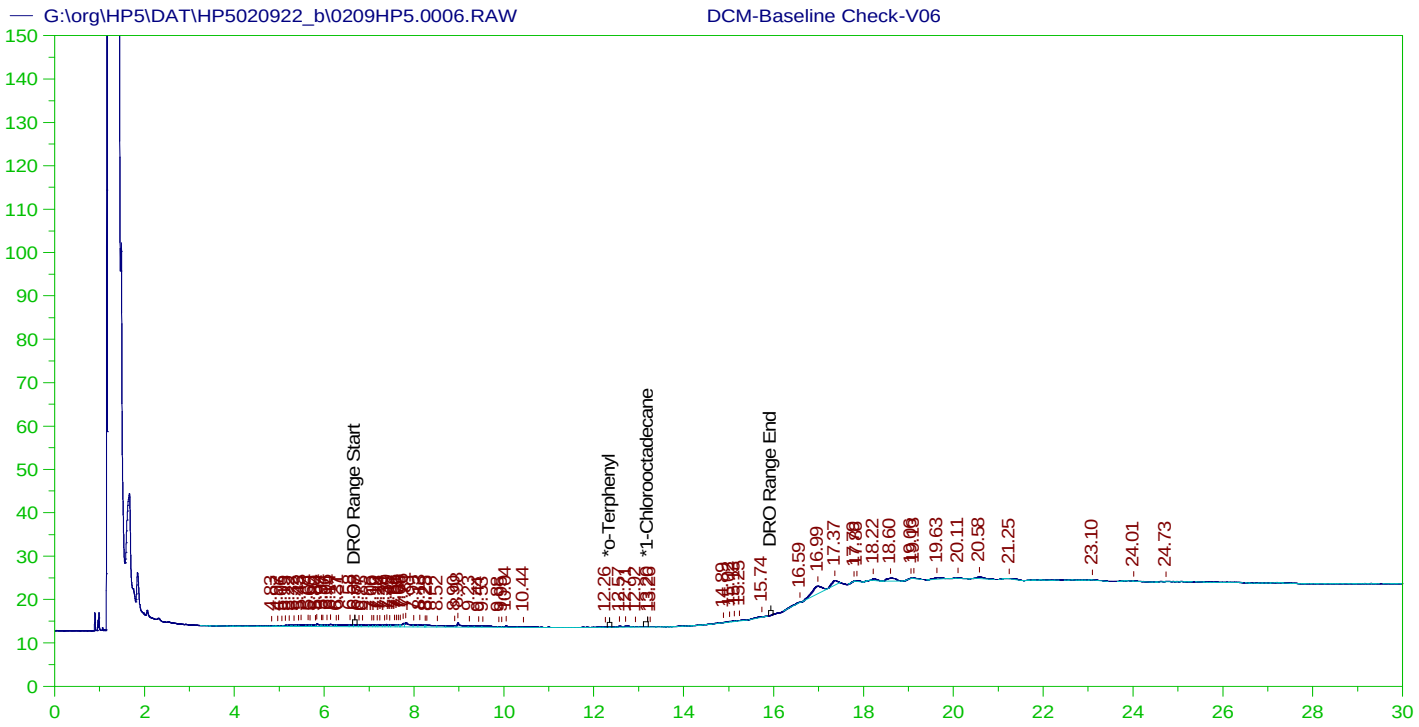
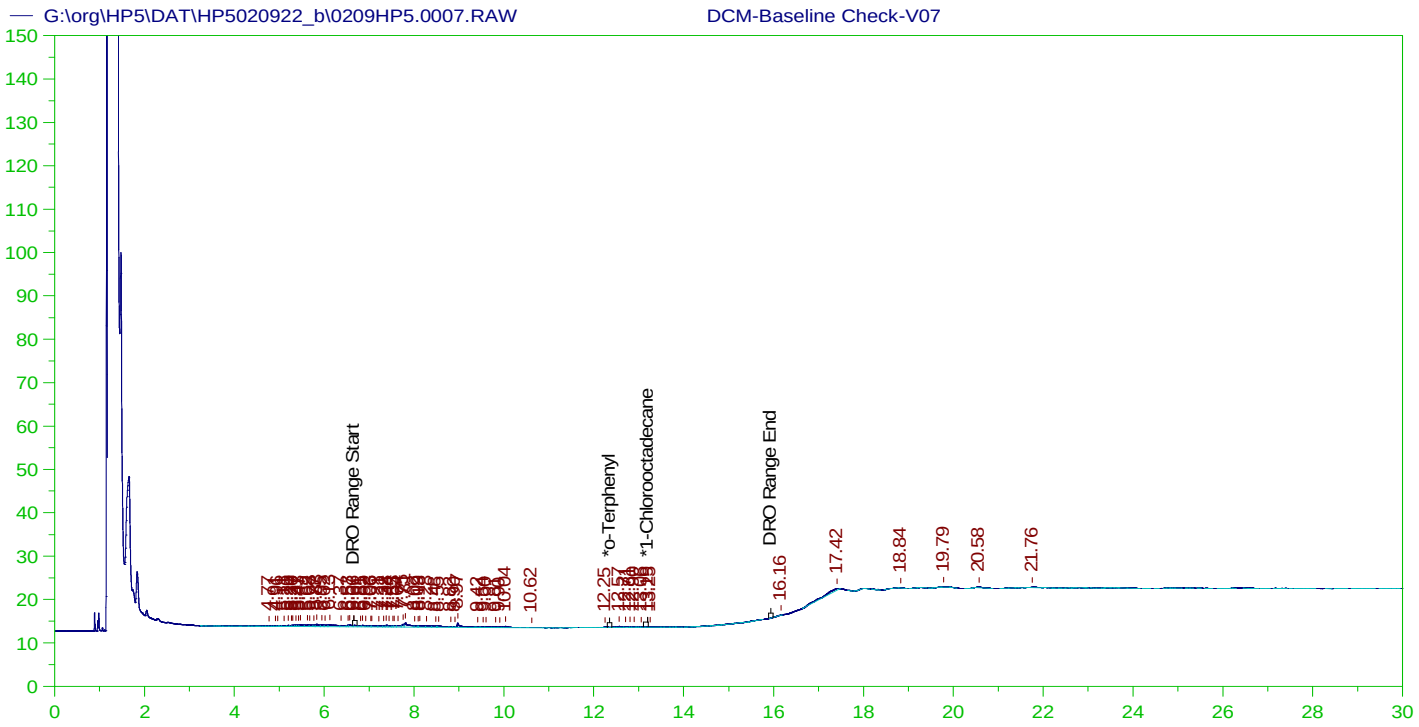


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V06
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0006.RAW
Date & Time Acquired: 2/9/2022 1:44:25 PM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
*o-Terphenyl	29.894	200.	.	-
*1-Chlorooctadecane	13.197	200.	.036	.02 -

DRO Area:94338.02 DRO Amount: 2.88713
TEH Area:213902.1 TEH Amount: 6.54628



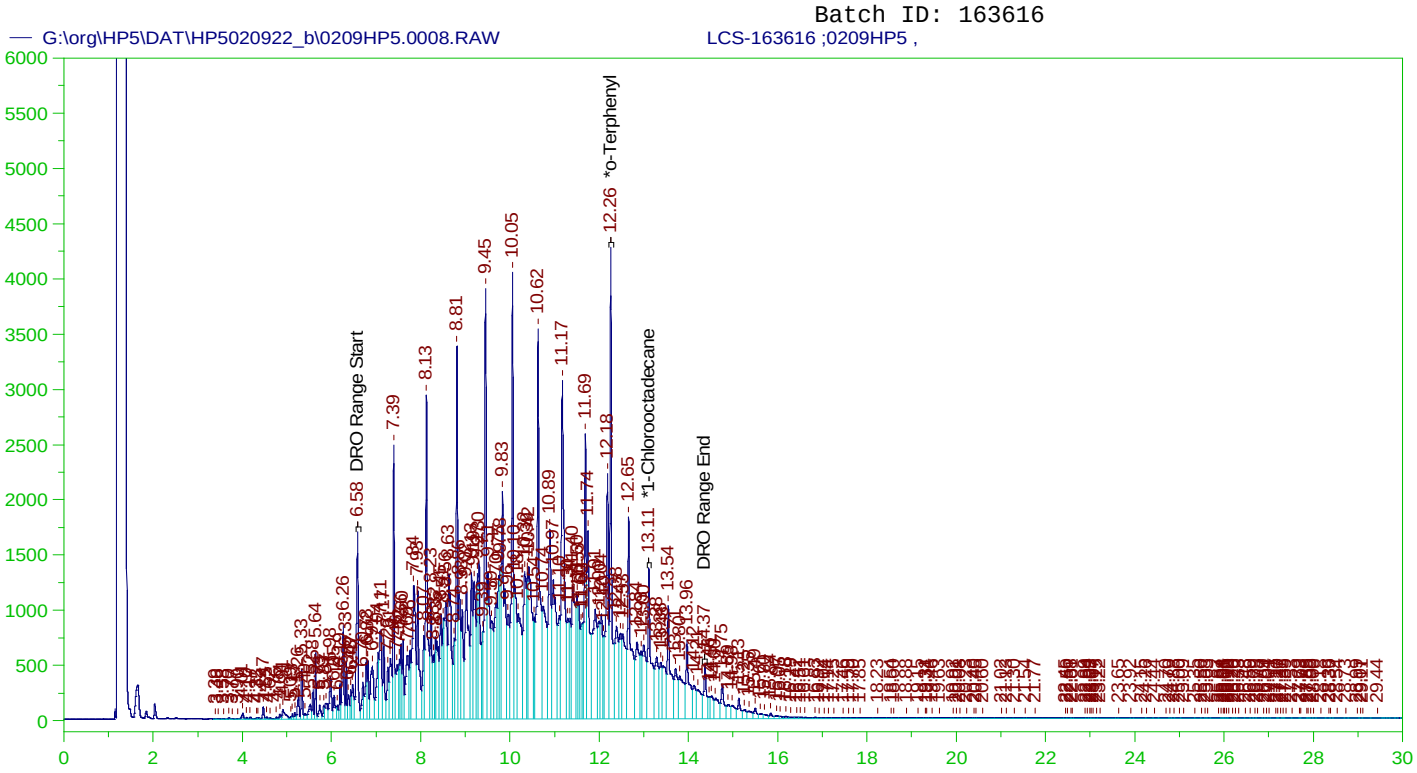
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V07
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0007.RAW
Date & Time Acquired: 2/9/2022 2:27:11 PM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
*o-Terphenyl	29.899	200.	.	-
*1-Chlorooctadecane	13.194	200.	.015	.01 -

DRO Area:73194.83 DRO Amount: 2.240062
TEH Area:137325.9 TEH Amount: 4.202737

Batch ID: 163616



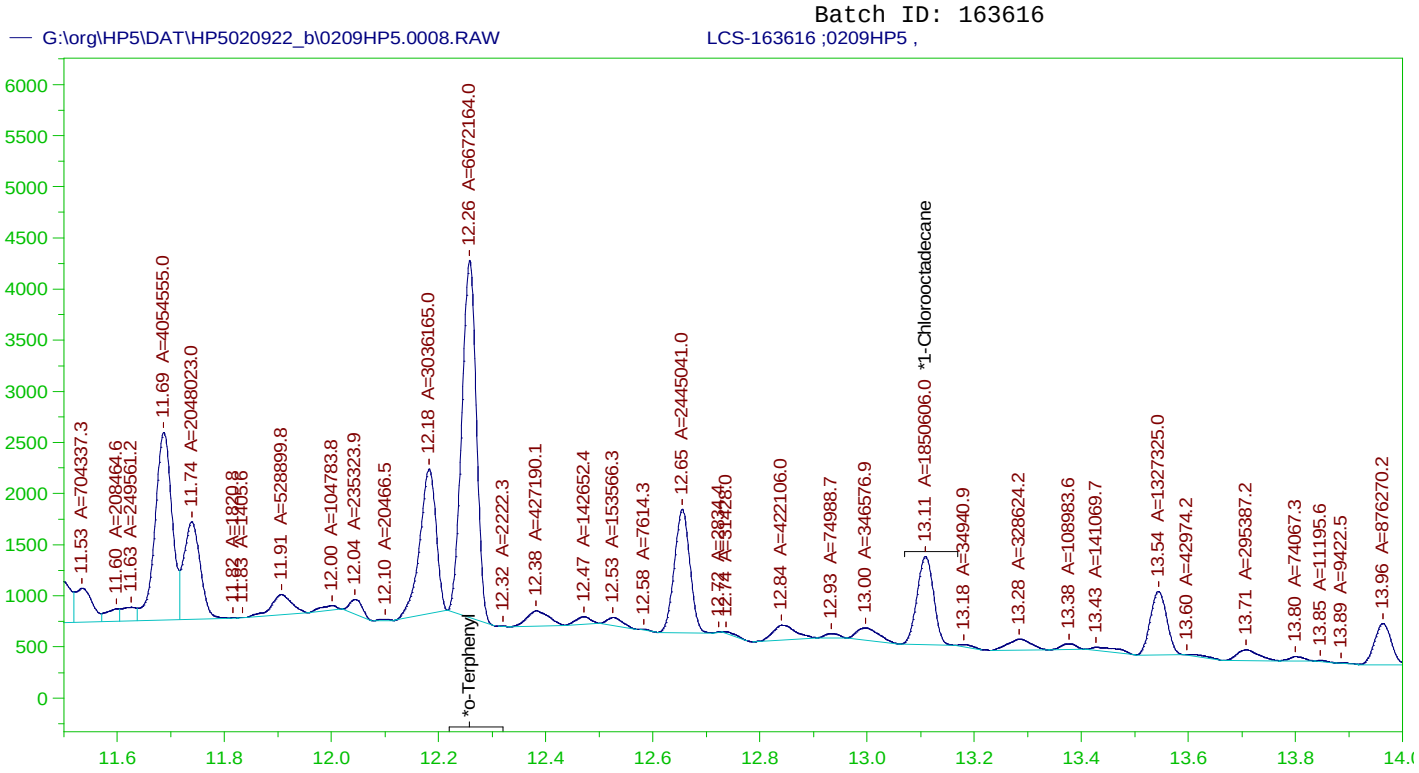
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: LCS-163616 ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0008.RAW
Date & Time Acquired: 2/9/2022 3:10:00 PM
Method File: G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.258	.2	.322	160.81	-
*1-Chlorooctadecane	13.109	.2	.187	93.71	-

DRO Area:3.780905E+08 DRO Amount: 11.57112
TEH Area:4.046639E+08 TEH Amount: 12.38437

Batch ID: 163616



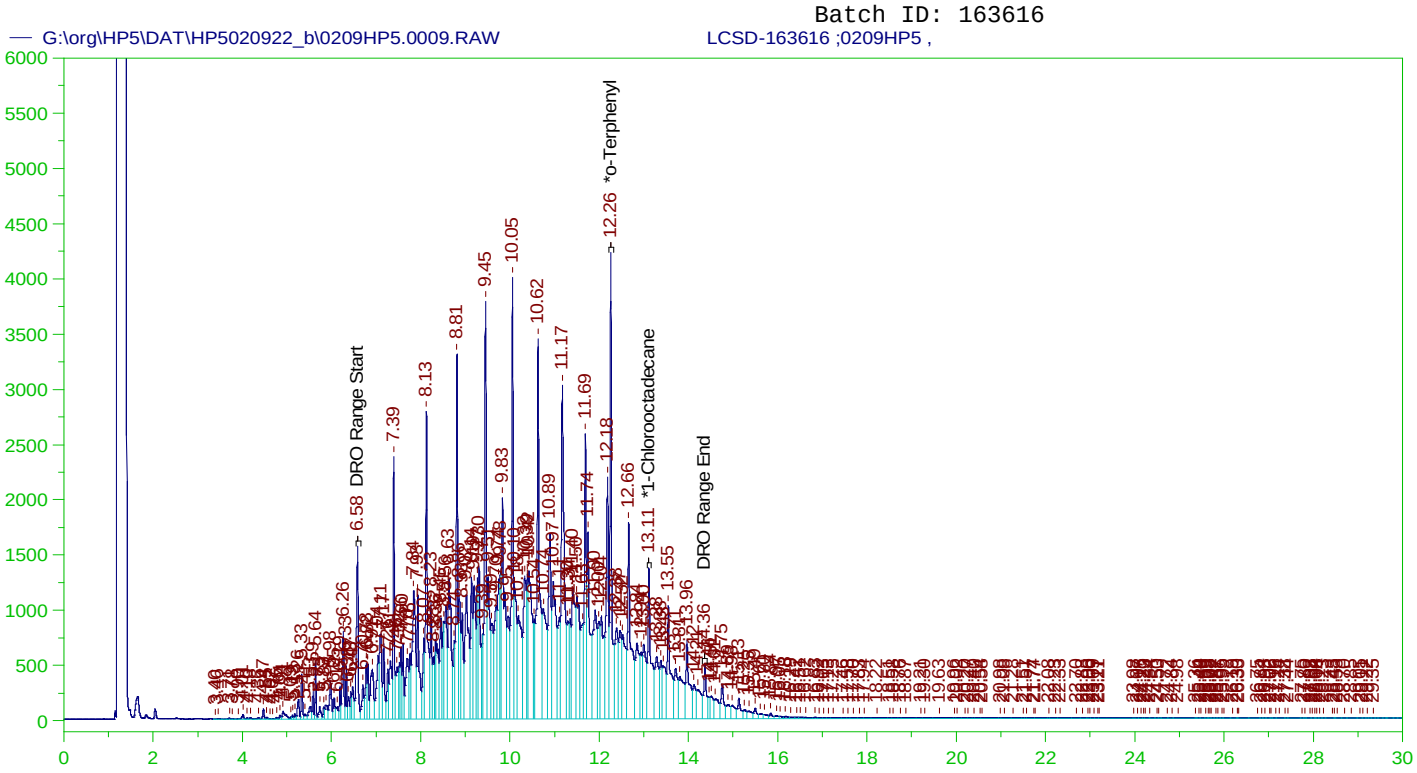
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: LCS-163616 ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0008.RAW
Date & Time Acquired: 2/9/2022 3:10:00 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.258	.2	.181	90.51	-
*1-Chlorooctadecane	13.109	.2	.05	25.1	-

DRO Area:1.783309E+08 DRO Amount: 5.457657
TEH Area:1.919866E+08 TEH Amount: 5.875576

Batch ID: 163616



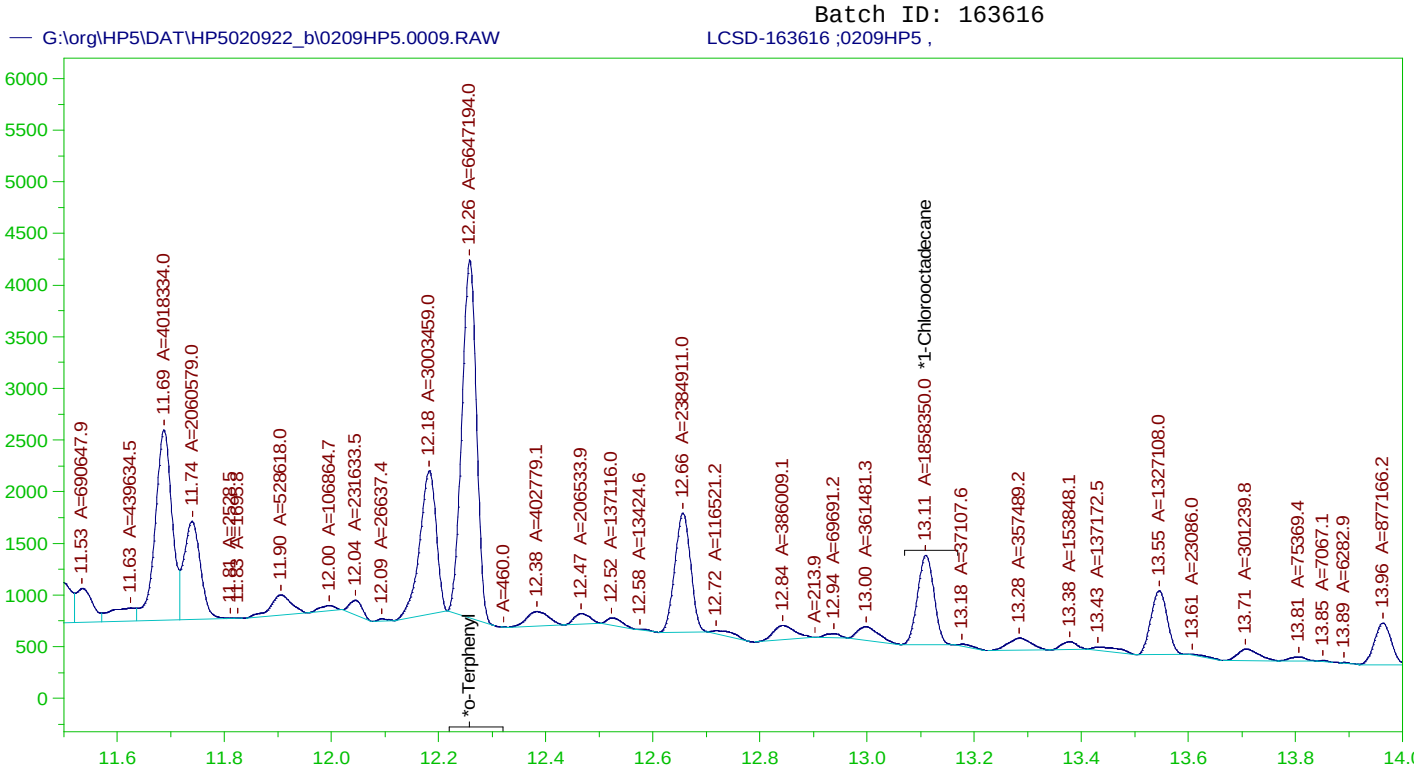
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: LCSD-163616 ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0009.RAW
Date & Time Acquired: 2/9/2022 3:52:49 PM
Method File: G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.258	.2	.317	158.39	-
*1-Chlorooctadecane	13.109	.2	.181	90.41	-

DRO Area:3.702703E+08 DRO Amount: 11.33179
TEH Area:3.952179E+08 TEH Amount: 12.09529

Batch ID: 163616



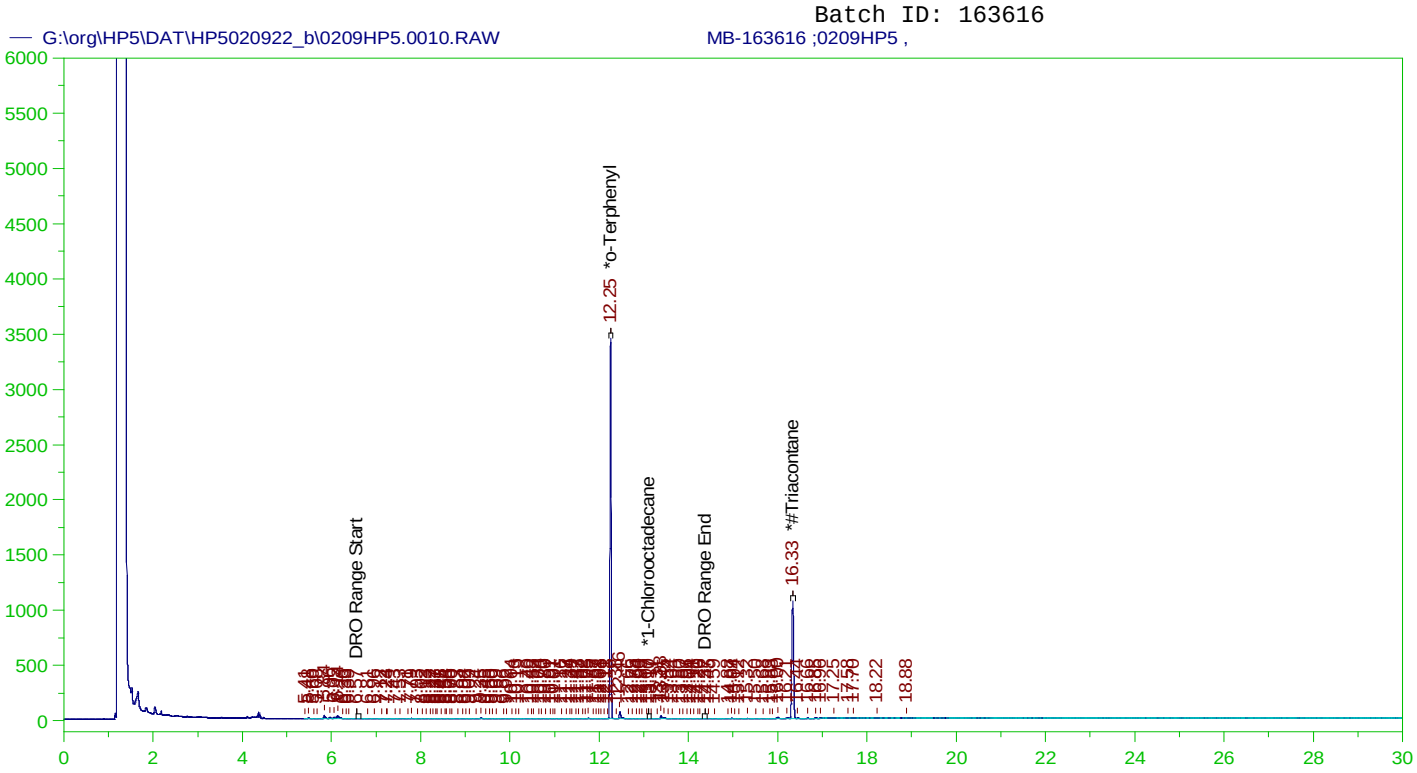
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: LCSD-163616 ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0009.RAW
Date & Time Acquired: 2/9/2022 3:52:49 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.258	.2	.18	90.17	-
*1-Chlorooctadecane	13.109	.2	.05	25.21	-

DRO Area:1.731063E+08 DRO Amount: 5.297764
TEH Area:1.855455E+08 TEH Amount: 5.678453

Batch ID: 163616

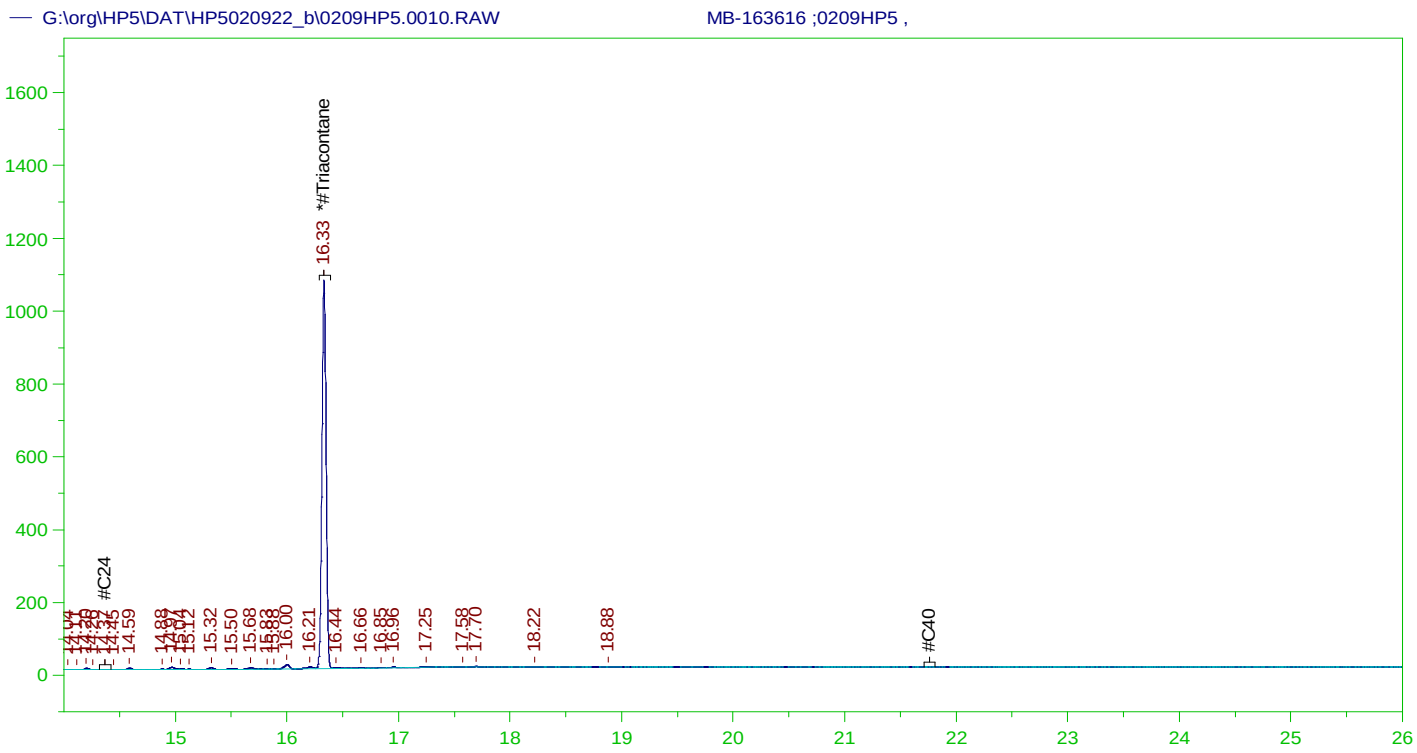


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: MB-163616 ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0010.RAW
Date & Time Acquired: 2/9/2022 4:35:41 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.253	.2	.177	88.57	-
*1-Chlorooctadecane	13.105	.2	.	.06	-
*#Triacontane	16.333	.2	.094	46.8	-

DRO Area:694397.3 DRO Amount: 0.0212514
TEH Area:1241173 TEH Amount: 3.798499E-02

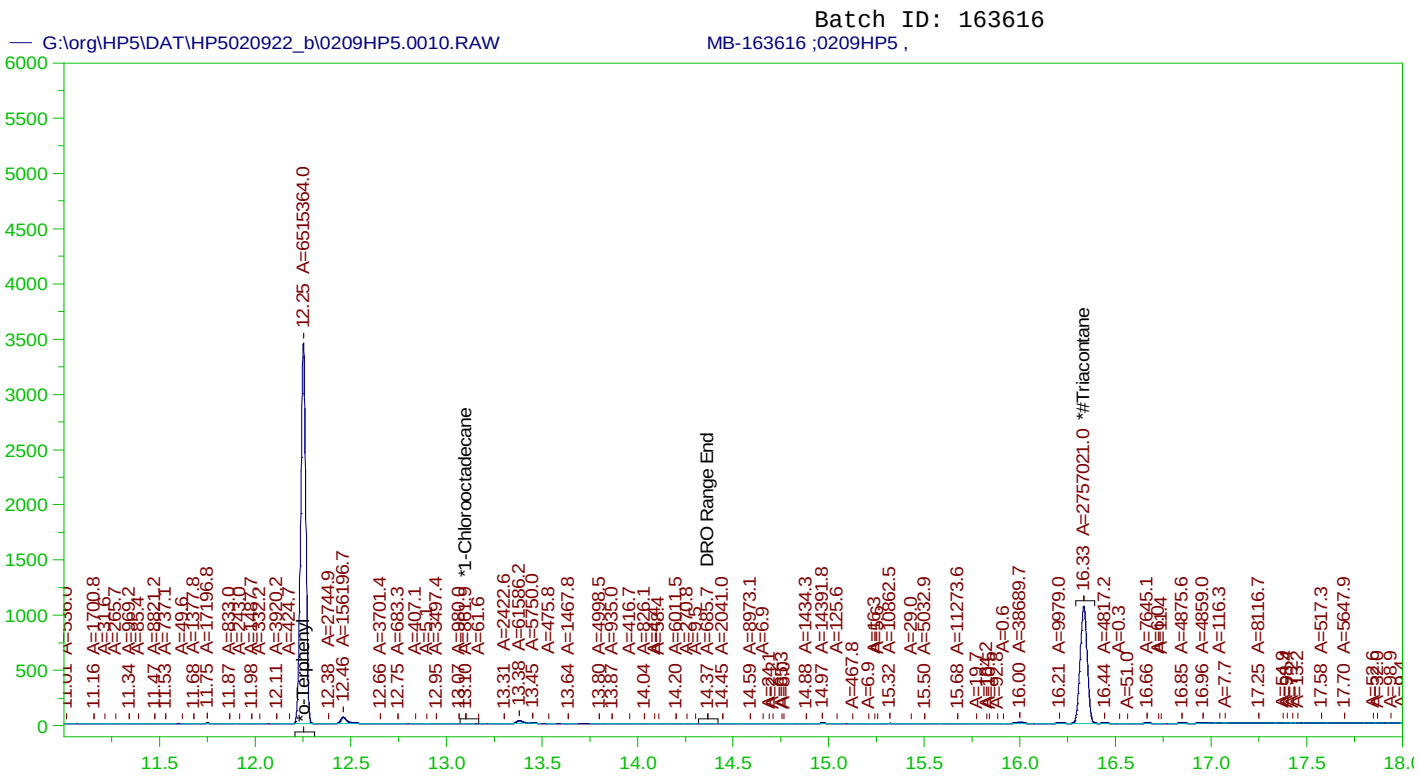


RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: MB-163616 ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0010.RAW
Date & Time Acquired: 2/9/2022 4:35:41 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.333	.5	.094	18.72	-

RRO Area:184902.2 RRO AMOUNT: 6.997363E-03



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: MB-163616 ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0010.RAW
Date & Time Acquired: 2/9/2022 4:35:41 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

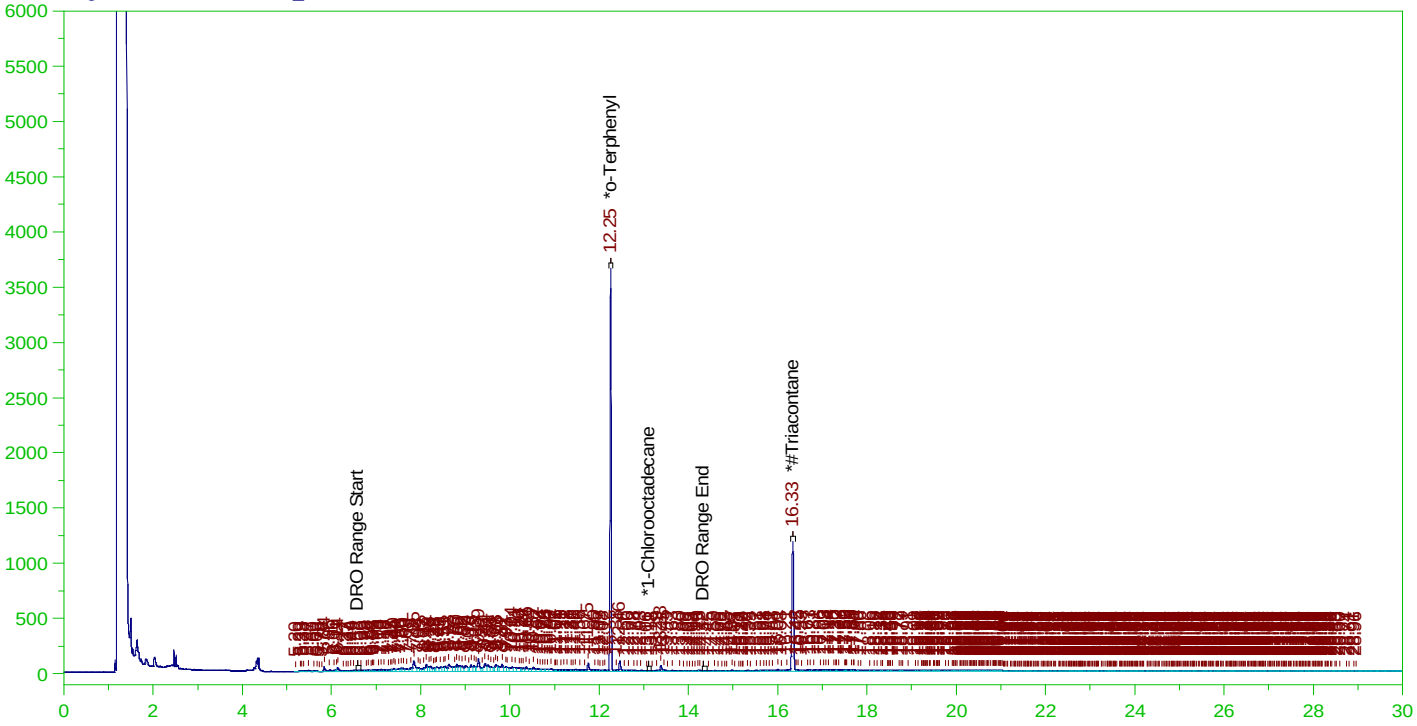
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.253	.2	.177	88.38	-
*1-Chlorooctadecane	13.105	.2	.01		-
*#Triacontane	16.333	.2	.093	46.51	-

DRO Area:490835.7 DRO Amount: 1.502158E-02
TEH Area:1555705 TEH Amount: 4.761095E-02

ERH2522 (Sump Adit 3) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0011.RAW B22020415-001D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-001D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0011.RAW
Date & Time Acquired: 2/9/2022 5:18:29 PM
Method File: G:\Org\HP5\Methods\D3_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

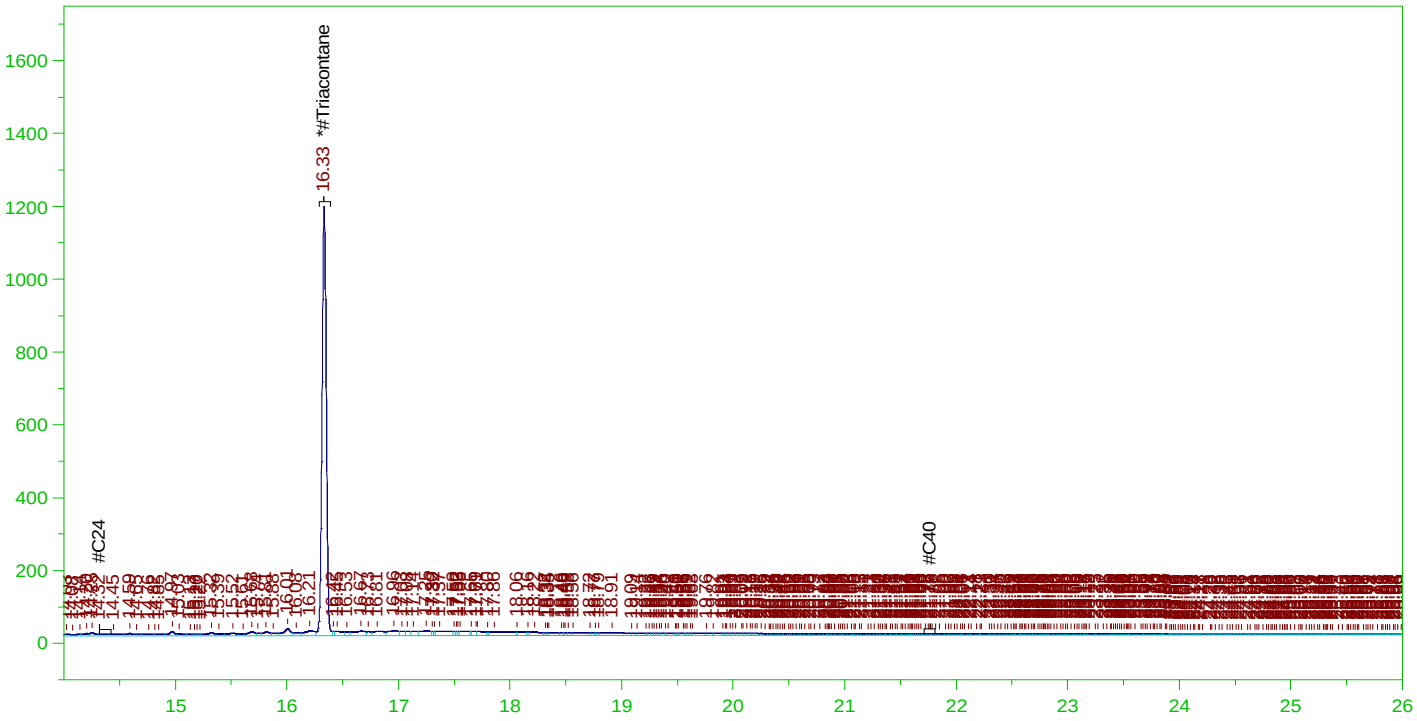
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.255	.191	.182	95.01	-
*1-Chlorooctadecane	13.111	.191	.001	.27	-
*#Triacontane	16.334	.191	.101	52.63	-

DRO Area:1.083072E+07 DRO Amount: 0.3171909
TEH Area:1.506676E+07 TEH Amount: 0.4412484

ERH2522 (Sump Adit 3) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0011.RAW B22020415-001D ;0209HP5 , $HC-8015-DRO-W,



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-001D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0011.RAW
Date & Time Acquired: 2/9/2022 5:18:29 PM
Method File: G:\Org\HP5\Methods\D3_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.334	.478	.101	21.09	-

RRO Area:3242306 RRO AMOUNT: 0.1174167

ERH2522 (Sump Adit 3) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0011.RAW B22020415-001D ;0209HP5 , $HC-8015-DRO-W,

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

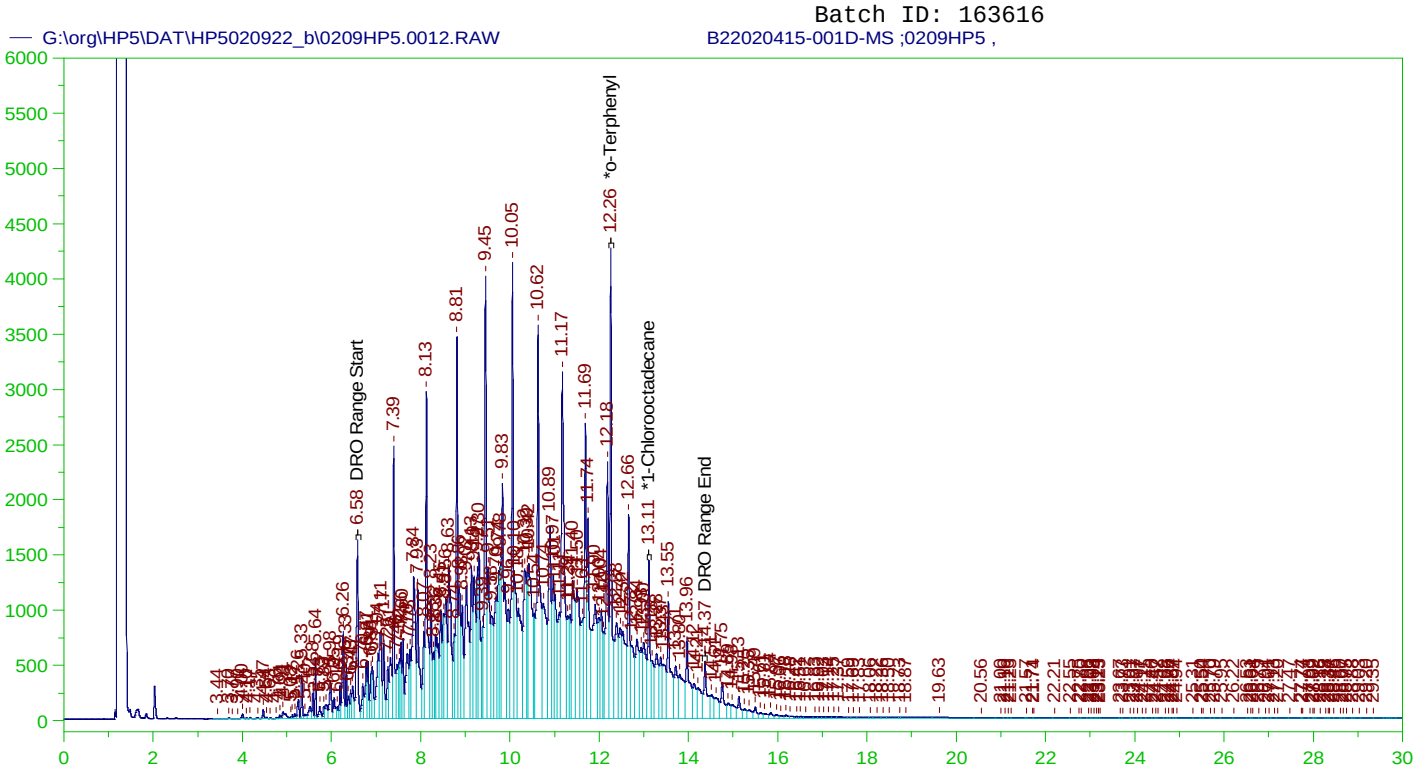
Sample Name: B22020415-001D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0011.RAW
Date & Time Acquired: 2/9/2022 5:18:29 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.255	.191	.18	93.97	-
*1-Chlorooctadecane	13.111	.191	.	.02	-
*#Triacontane	16.334	.191	.098	51.03	-

DRO Area:6257388 DRO Amount: 0.1832553
TEH Area:7702193 TEH Amount: 0.2255681

Batch ID: 163616



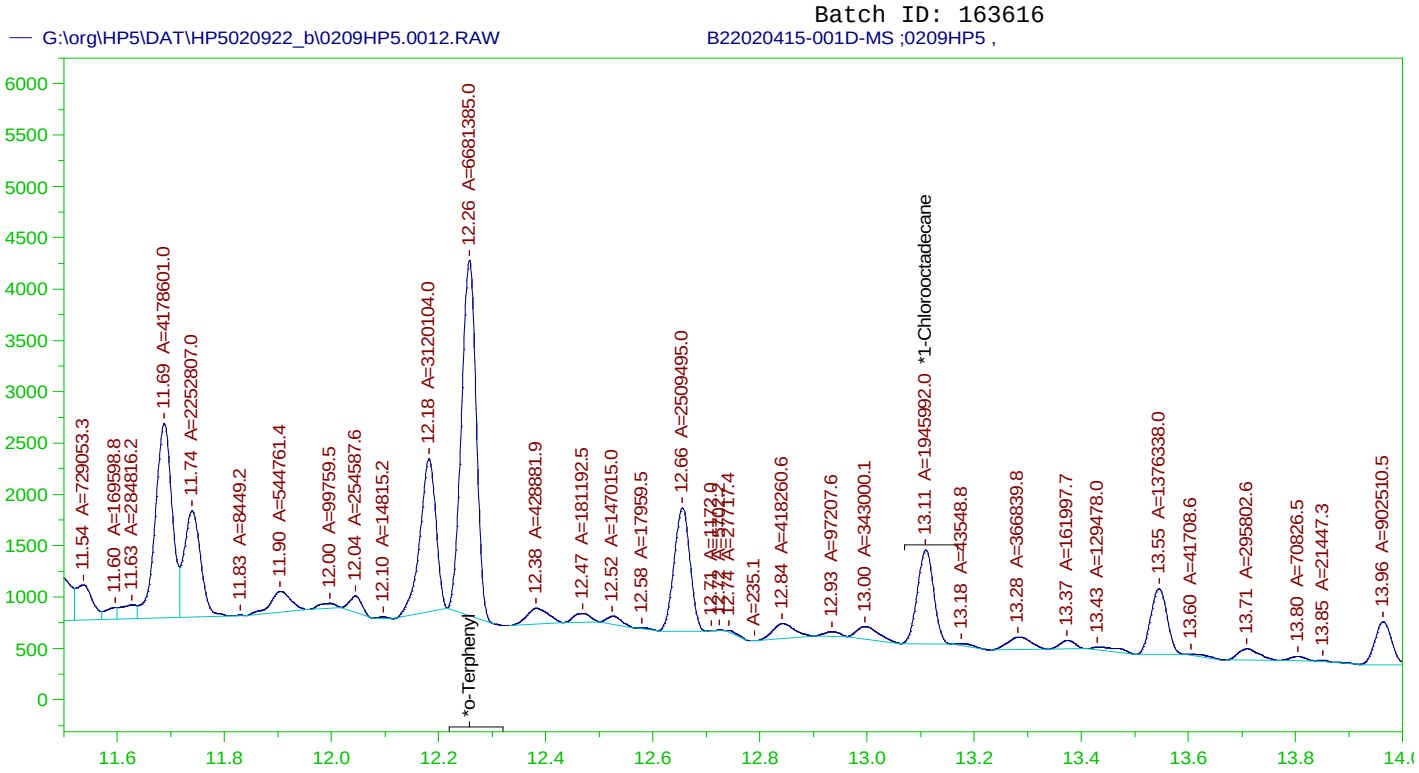
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: B22020415-001D-MS ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0012.RAW
Date & Time Acquired: 2/9/2022 6:01:22 PM
Method File: G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.257	.191	.309	161.32	-
*1-Chlorooctadecane	13.109	.191	.13	68.07	-

DRO Area:3.937767E+08 DRO Amount: 11.53223
TEH Area:4.205124E+08 TEH Amount: 12.31522

Batch ID: 163616

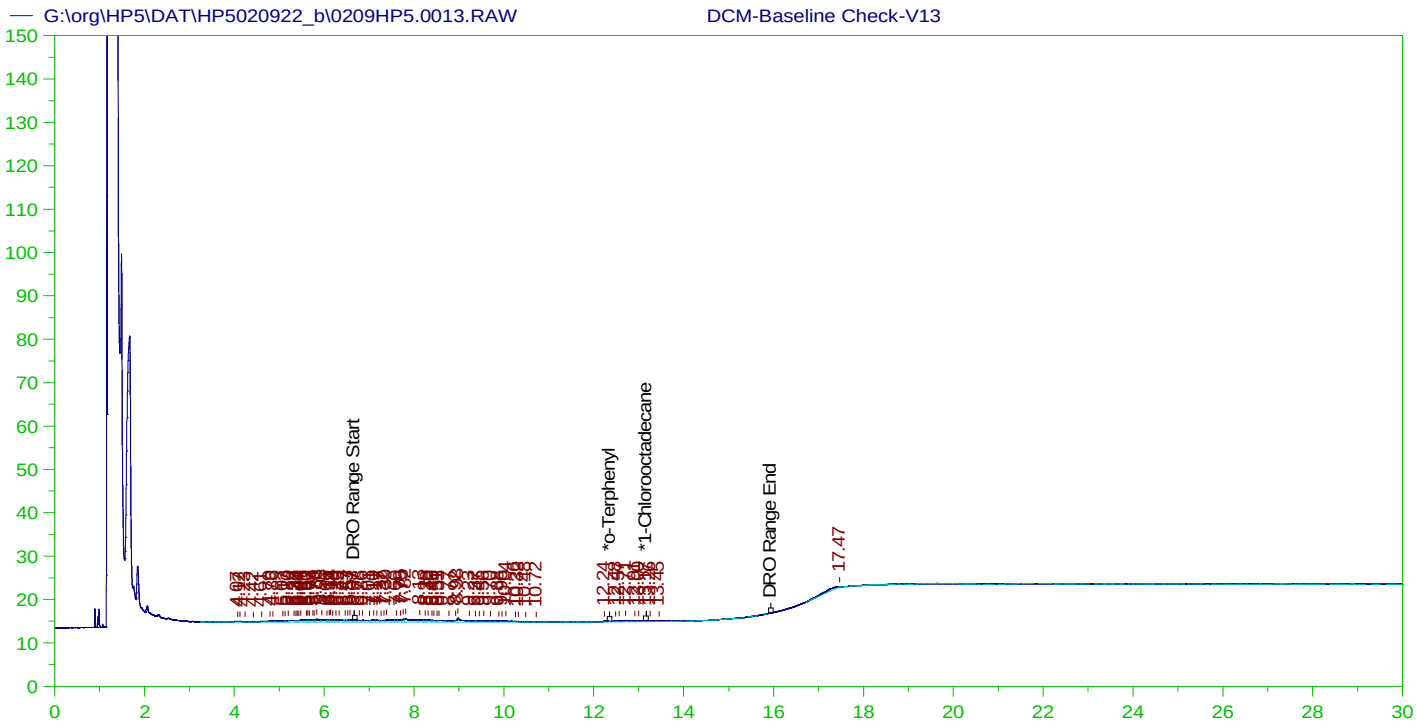


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: B22020415-001D-MS ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0012.RAW
Date & Time Acquired: 2/9/2022 6:01:22 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.257	.191	.173	90.64	-
*1-Chlorooctadecane	13.109	.191	.051	26.4	-

DRO Area:1.830728E+08 DRO Amount: 5.361509
TEH Area:1.955534E+08 TEH Amount: 5.727019



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V13
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0013.RAW
Date & Time Acquired: 2/9/2022 6:44:06 PM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

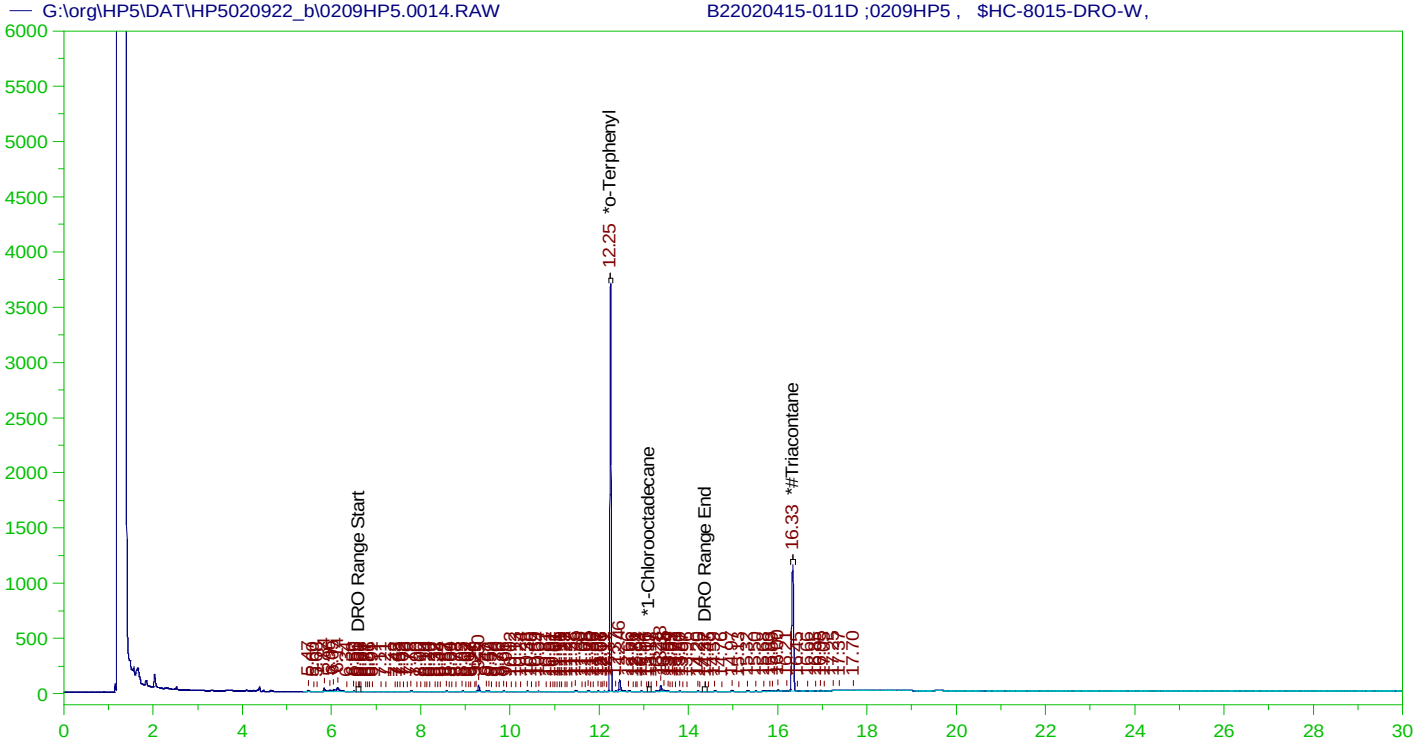
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
*o-Terphenyl	29.91	200.	.	-
*1-Chlorooctadecane	13.166	200.	.028	.01 -

DRO Area:97181.7 DRO Amount: 2.974159
TEH Area:168399.3 TEH Amount: 5.15371

ERH2507 (OWDFMW07A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0014.RAW B22020415-011D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-011D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0014.RAW
Date & Time Acquired: 2/9/2022 7:27:01 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

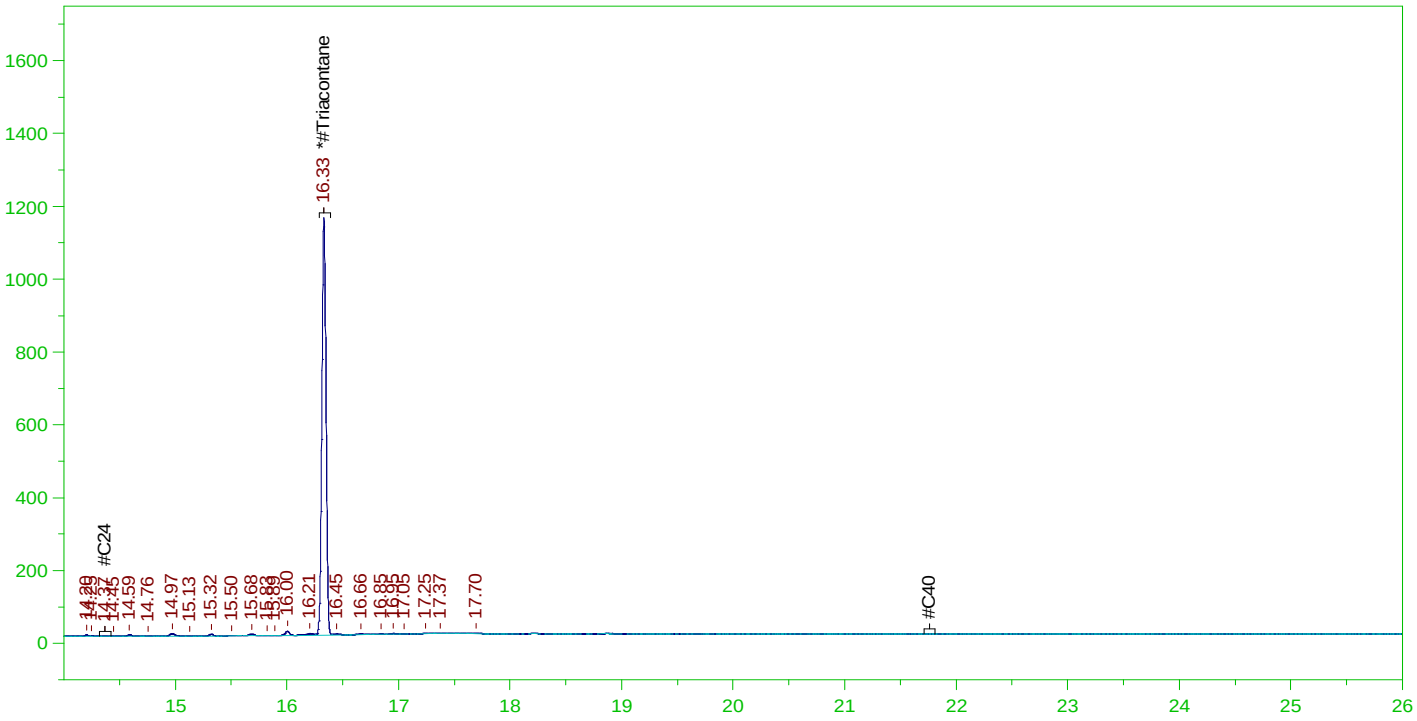
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.19	.182	95.74	-
*1-Chlorooctadecane	13.107	.19	.	.09	-
*#Triacontane	16.332	.19	.096	50.45	-

DRO Area:1086124 DRO Amount: 0.031657
TEH Area:1733538 TEH Amount: 5.052701E-02

ERH2507 (OWDFMW07A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0014.RAW B22020415-011D ;0209HP5 , $HC-8015-DRO-W,



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-011D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0014.RAW
Date & Time Acquired: 2/9/2022 7:27:01 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

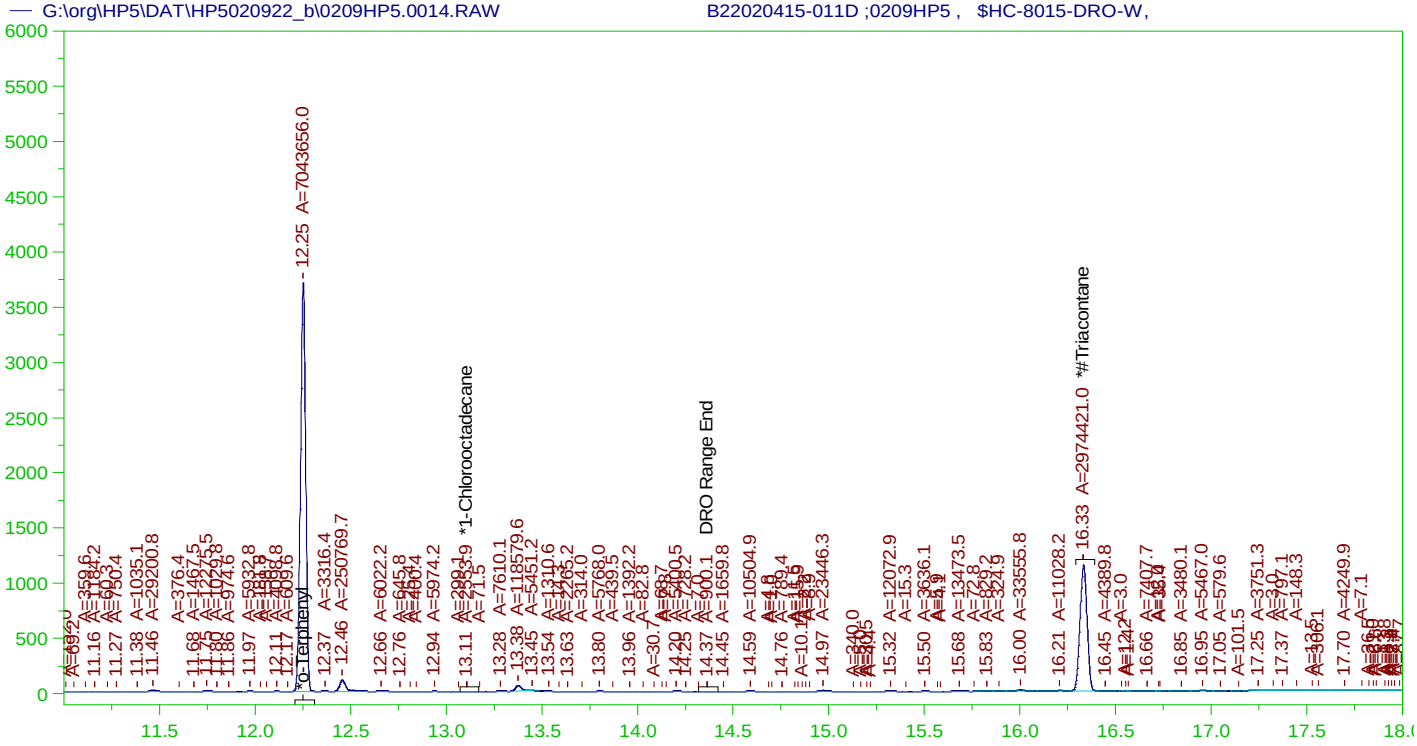
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.332	.476	.096	20.18	-

RRO Area:168512.7 RRO AMOUNT: 6.073453E-03

ERH2507 (OWDFMW07A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0014.RAW B22020415-011D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-011D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0014.RAW
Date & Time Acquired: 2/9/2022 7:27:01 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

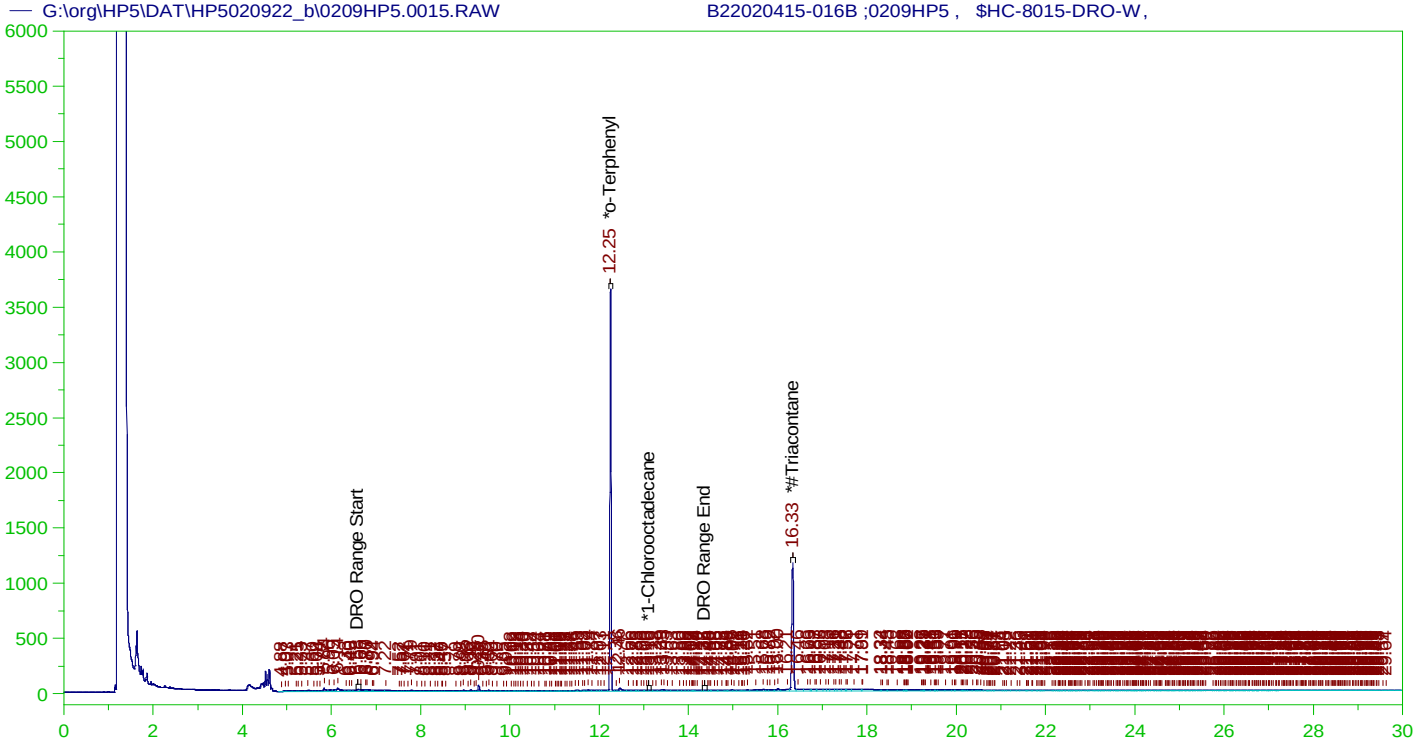
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.19	.182	95.55	-
*1-Chlorooctadecane	13.107	.19	.	.03	-
*#Triacontane	16.332	.19	.096	50.18	-

DRO Area:871521.7 DRO Amount: 2.540204E-02
TEH Area:1939692 TEH Amount: 5.653574E-02

ERH2510 (OWDFMW08A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0015.RAW B22020415-016B ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-016B ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0015.RAW
Date & Time Acquired: 2/9/2022 8:09:58 PM
Method File: G:\Org\HP5\Methods\D3_8015-020915-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

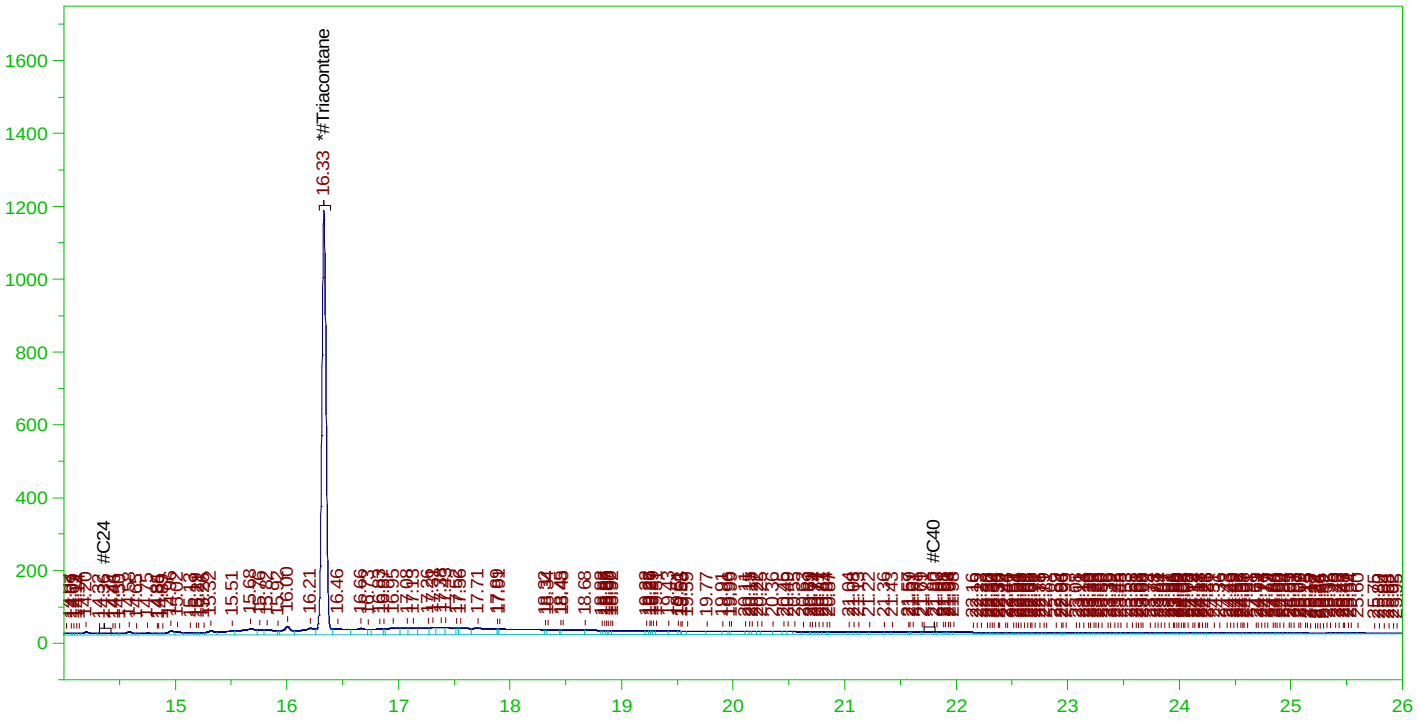
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.189	.179	95.08	-
*1-Chlorooctadecane	13.101	.189	.001	.49	-
*#Triacontane	16.332	.189	.1	52.96	-

DRO Area:2616285 DRO Amount: 7.553684E-02
TEH Area:9591447 TEH Amount: 0.2769223

ERH2510 (OWDFMW08A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0015.RAW B22020415-016B ;0209HP5 , $HC-8015-DRO-W,



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-016B ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0015.RAW
Date & Time Acquired: 2/9/2022 8:09:58 PM
Method File: G:\Org\HP5\Methods\D3_OROS-020915-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.332	.472	.1	21.16	-

RRO Area:4812965 RRO AMOUNT: 0.1718301

ERH2510 (OWDFMW08A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0015.RAW B22020415-016B ;0209HP5 , $HC-8015-DRO-W,

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-016B ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0015.RAW
Date & Time Acquired: 2/9/2022 8:09:58 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

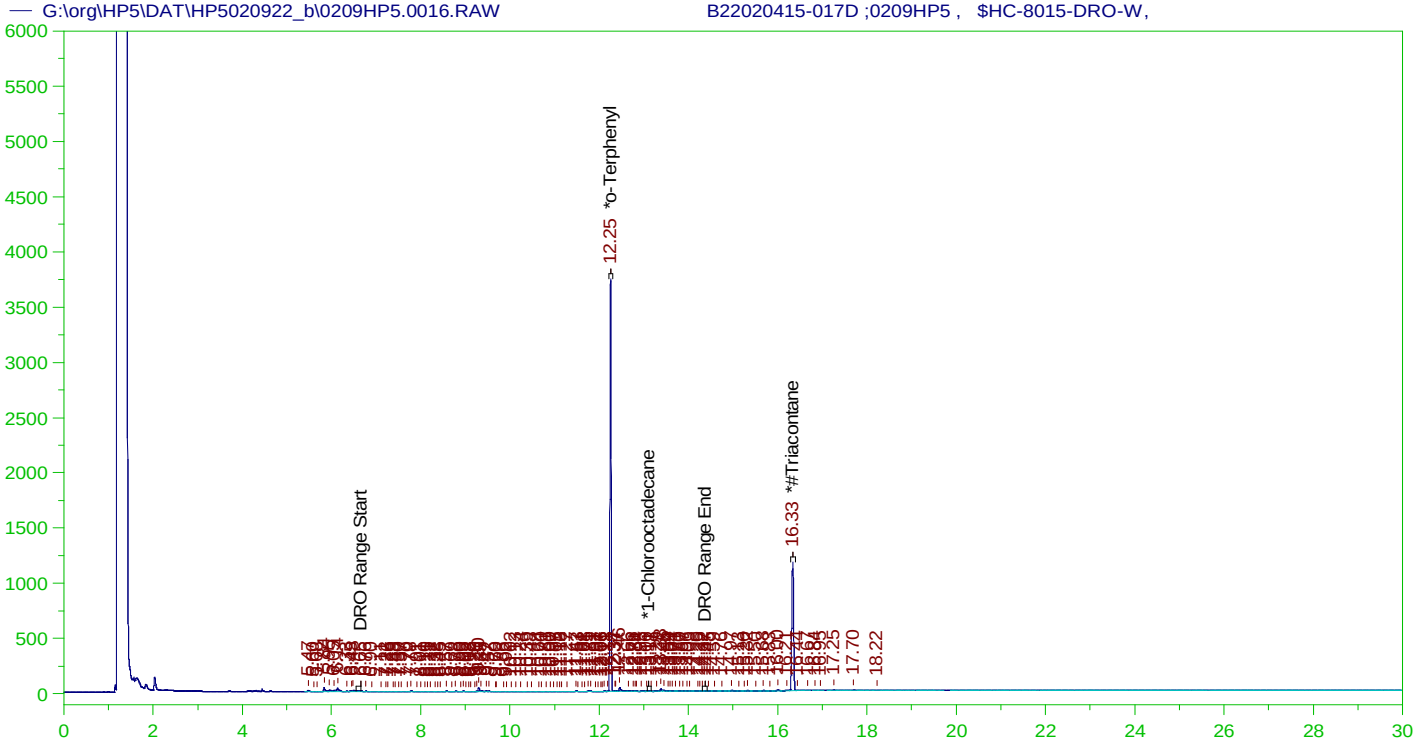
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.189	.178	94.39	-
*1-Chlorooctadecane	13.101	.189	. .01		-
*#Triacontane	16.332	.189	.095	50.53	-

DRO Area:1299259 DRO Amount: 3.751193E-02
TEH Area:4335554 TEH Amount: 0.1251752

ERH2509 (OWDFMW08A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0016.RAW B22020415-017D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-017D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0016.RAW
Date & Time Acquired: 2/9/2022 8:53:03 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

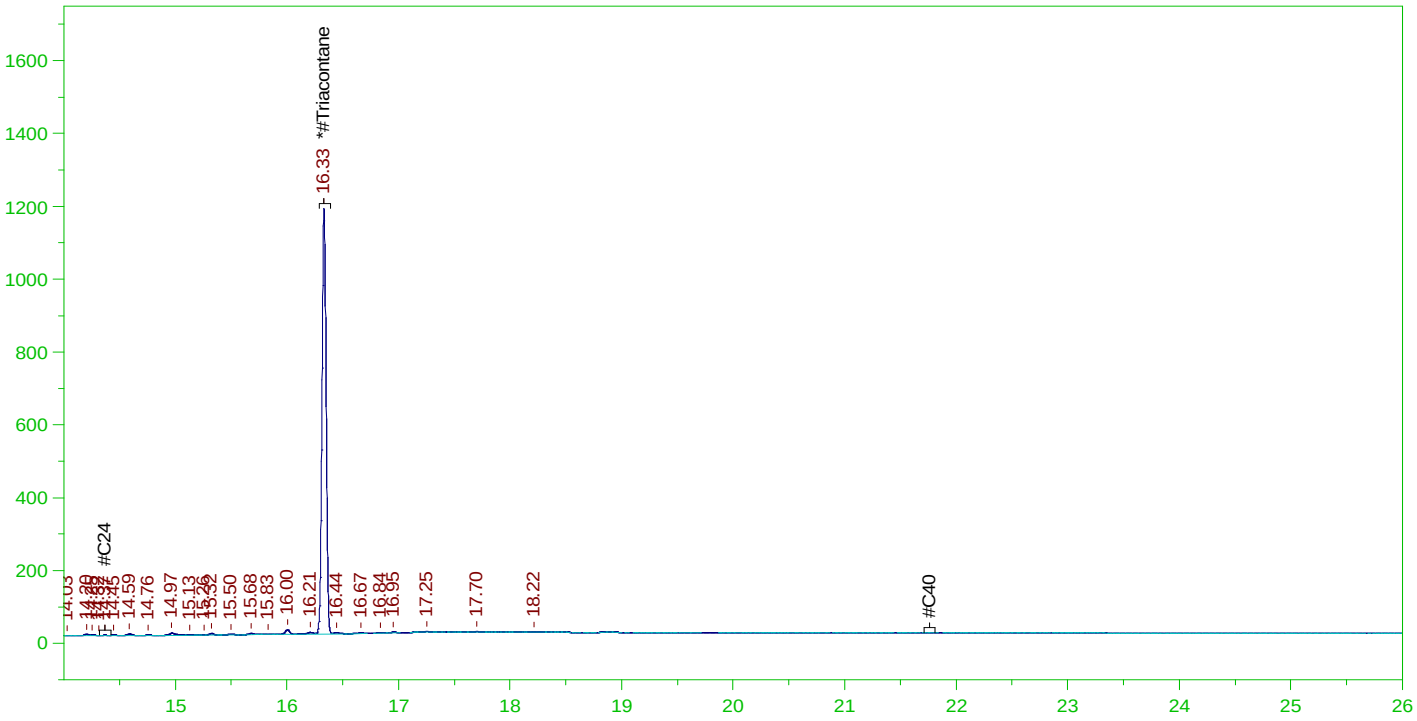
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.189	.182	96.23	-
*1-Chlorooctadecane	13.105	.189	.07		-
*#Triacontane	16.333	.189	.097	51.22	-

DRO Area:730882.8 DRO Amount: 0.0211019
TEH Area:1355878 TEH Amount: 3.914663E-02

ERH2509 (OWDFMW08A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0016.RAW B22020415-017D ;0209HP5 , $HC-8015-DRO-W,



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-017D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0016.RAW
Date & Time Acquired: 2/9/2022 8:53:03 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

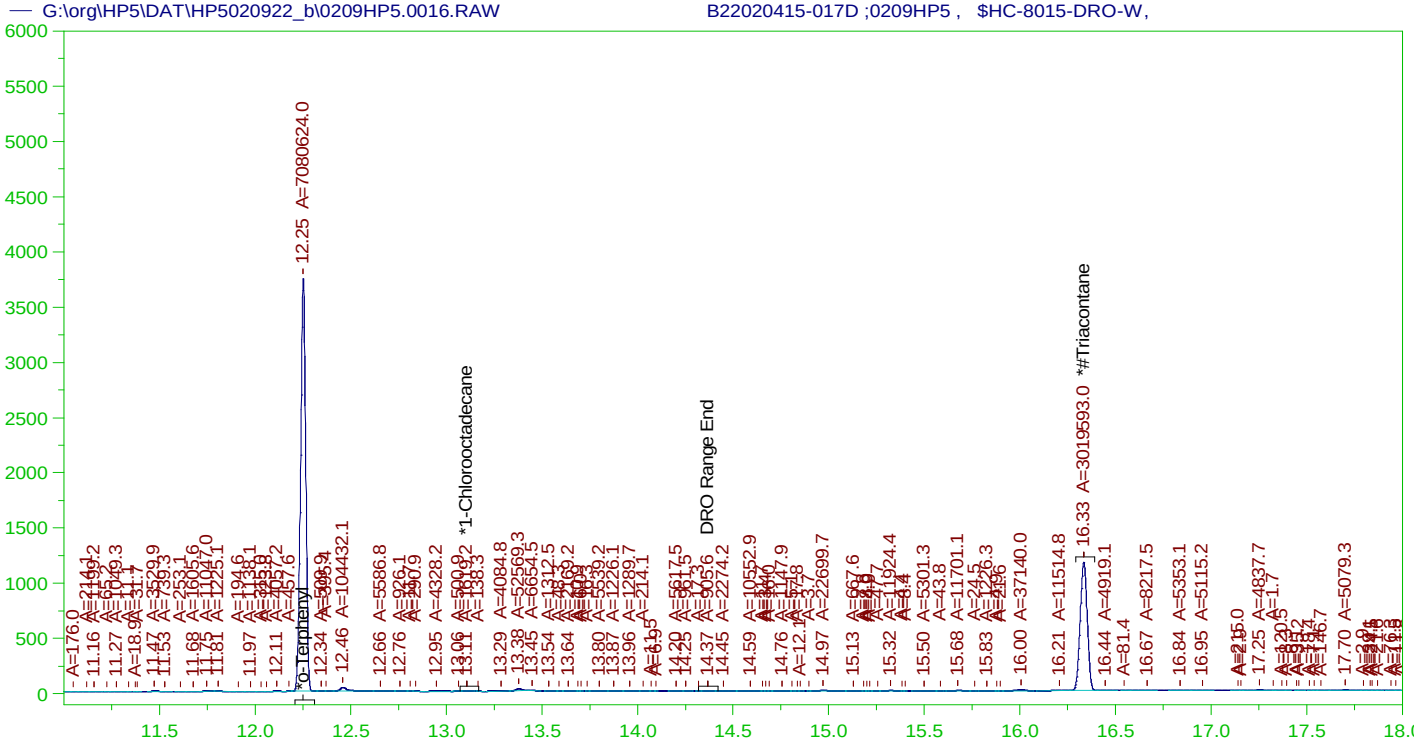
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.333	.472	.097	20.49	-

RRO Area:181631.5 RRO AMOUNT: 6.484517E-03

ERH2509 (OWDFMW08A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0016.RAW B22020415-017D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: B22020415-017D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0016.RAW
Date & Time Acquired: 2/9/2022 8:53:03 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

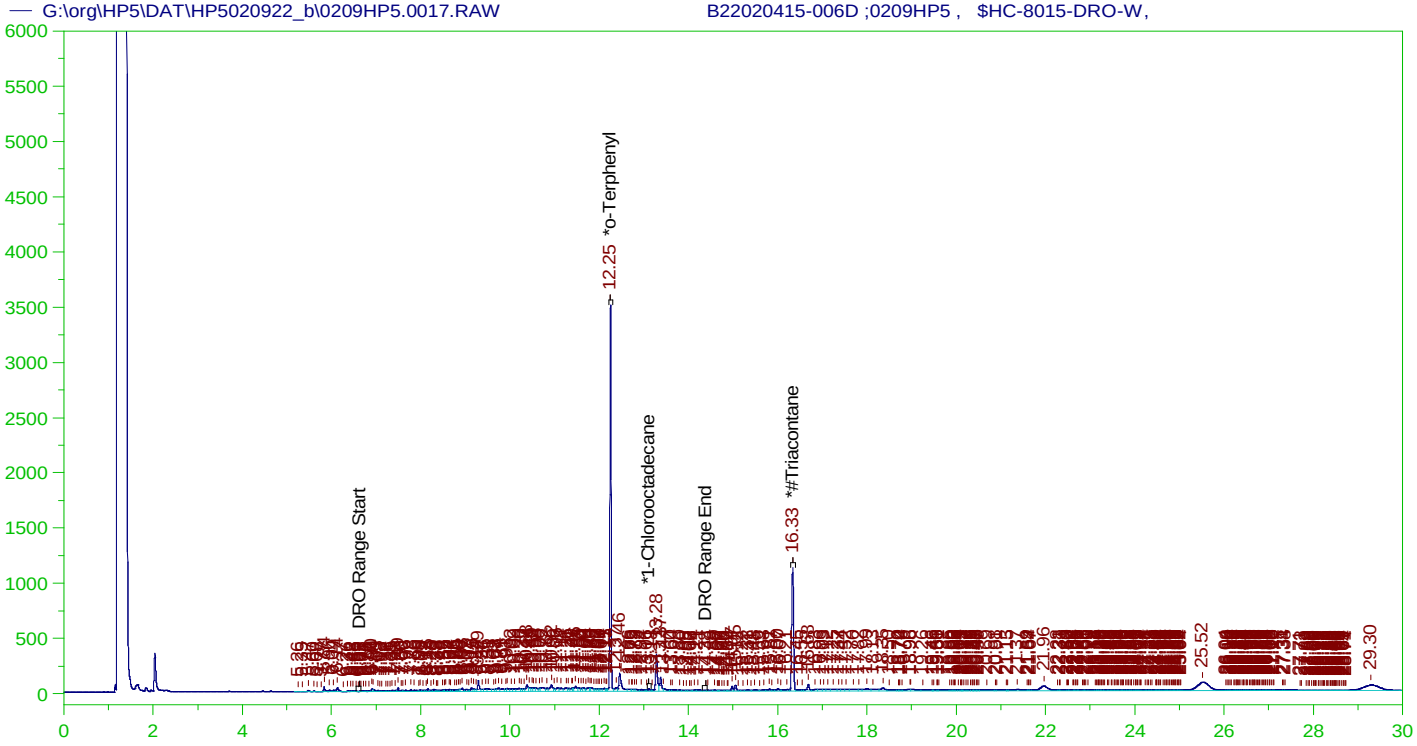
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.189	.181	96.05	-
*1-Chlorooctadecane	13.105	.189	.	.02	-
*#Triacontane	16.333	.189	.096	50.94	-

DRO Area:597036.2 DRO Amount: 0.0172375
TEH Area:1411781 TEH Amount: 4.076065E-02

ERH2514 (RHMW01R) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0017.RAW B22020415-006D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-006D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0017.RAW
Date & Time Acquired: 2/9/2022 9:35:56 PM
Method File: G:\Org\HP5\Methods\D3_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.194	.181	93.15	-
*1-Chlorooctadecane	13.107	.194	.003	1.35	-
*#Triacontane	16.332	.194	.098	50.28	-

DRO Area:1.013063E+07 DRO Amount: 0.3010084
TEH Area:2.064761E+07 TEH Amount: 0.6134966

ERH2514 (RHMW01R) Batch ID: 163616

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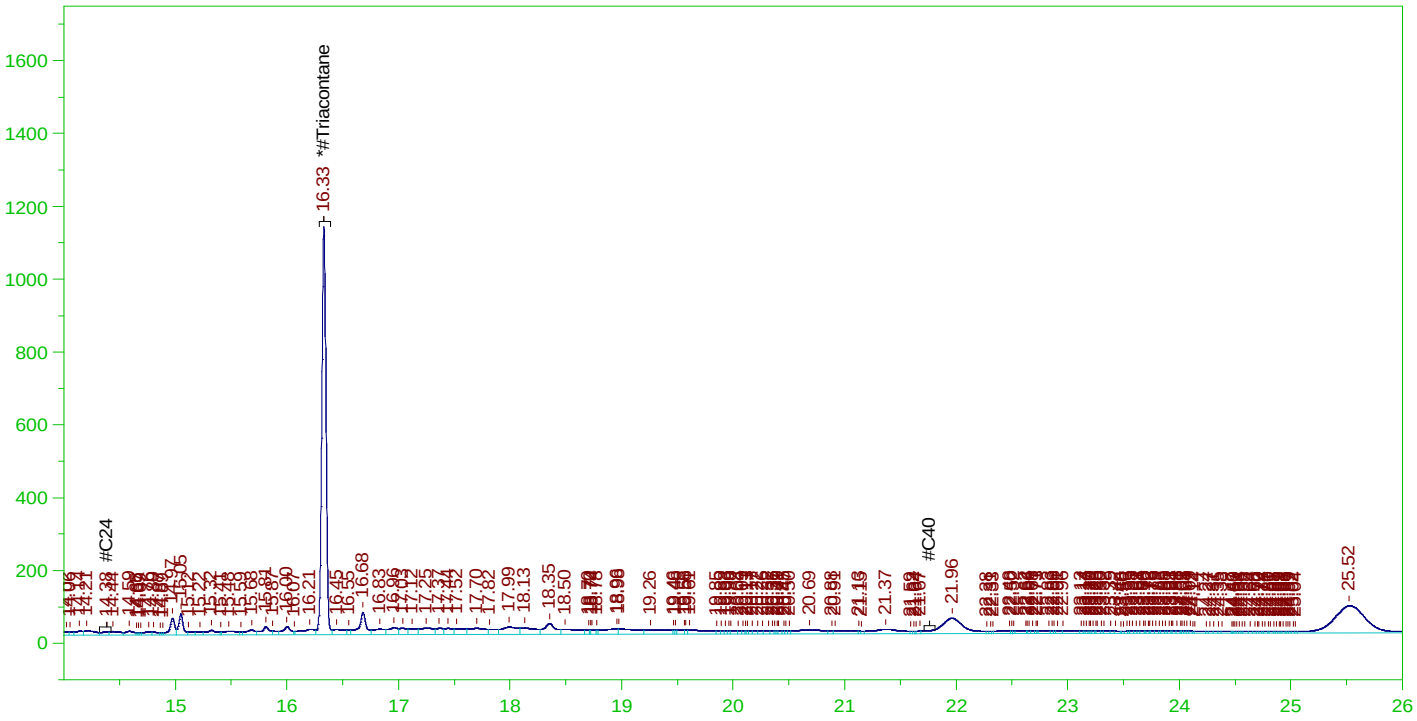

RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-006D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0017.RAW
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Method File: G:\Org\HP5\Methods\D3_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.332	.485	.098	20.12	-

RRO Area:5277806 RRO AMOUNT: 0.1939137

ERH2514 (RHMW01R) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0017.RAW B22020415-006D ;0209HP5 , $HC-8015-DRO-W,

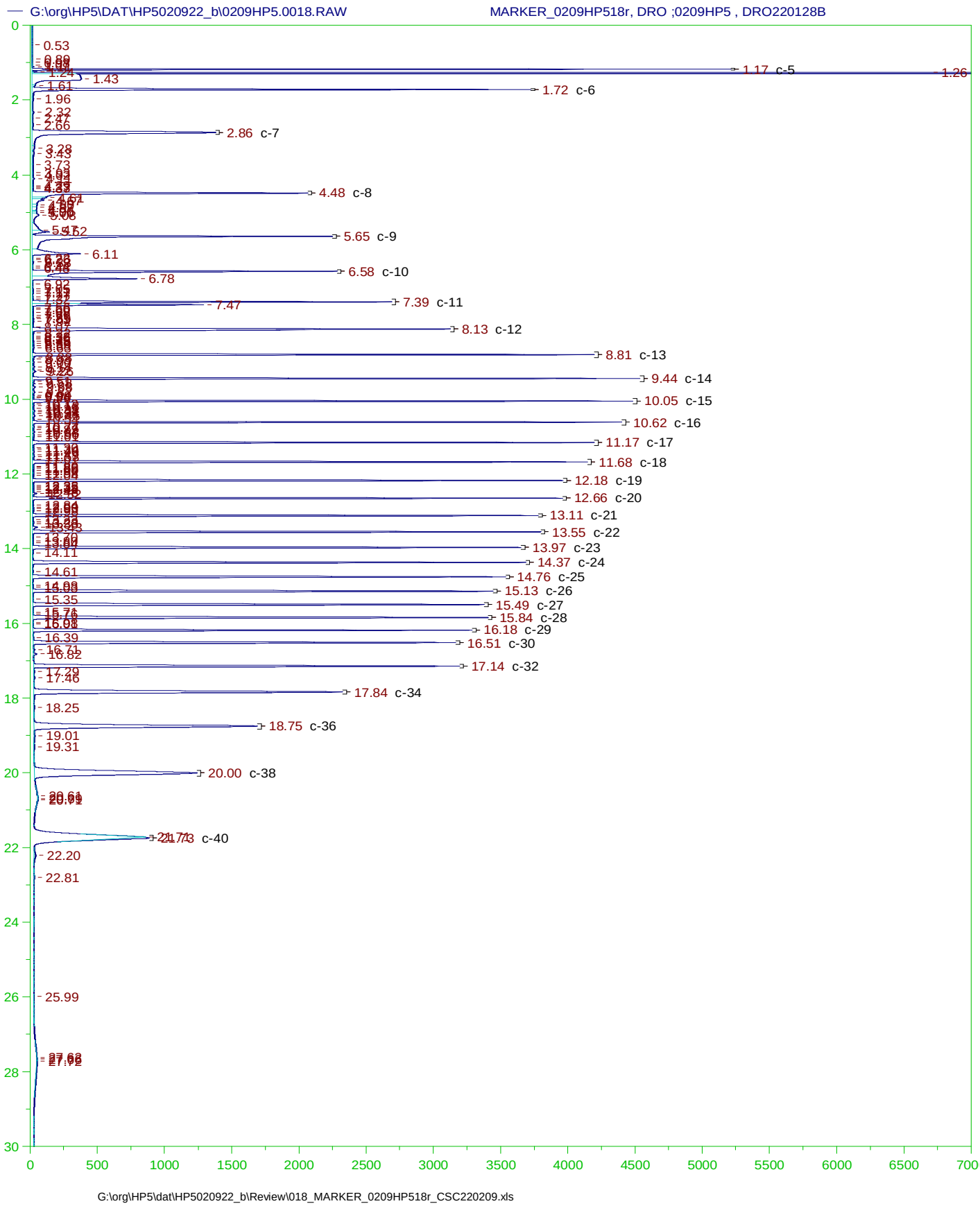
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-006D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0017.RAW
Date & Time Acquired: 2/9/2022 9:35:56 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.194	.176	90.66	-
*1-Chlorooctadecane	13.107	.194	.001	.33	-
*#Triacontane	16.332	.194	.094	48.45	-

DRO Area:3244684 DRO Amount: 9.640839E-02
TEH Area:7264198 TEH Amount: 0.2158391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1.26
1.43
1.61
1.72 c-6
1.96
2.32
2.66
2.86 c-7
3.28
3.73
4.48 c-8
5.52
5.65 c-9
6.11
6.58 c-10
6.78
7.39 c-11
7.47
8.13 c-12
8.81 c-13
9.44 c-14
10.05 c-15
10.62 c-16
11.17 c-17
11.68 c-18
12.18 c-19
12.66 c-20
13.11 c-21
13.55 c-22
13.97 c-23
14.11
14.37 c-24
14.61
14.76 c-25
15.13 c-26
15.35
15.49 c-27
15.84 c-28
16.18 c-29
16.39
16.51 c-30
16.82
17.14 c-32
17.46
17.84 c-34
18.25
18.75 c-36
19.01
19.31
20.00 c-38
22.20
22.81
25.99
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1500
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2500
3000
3500
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6500
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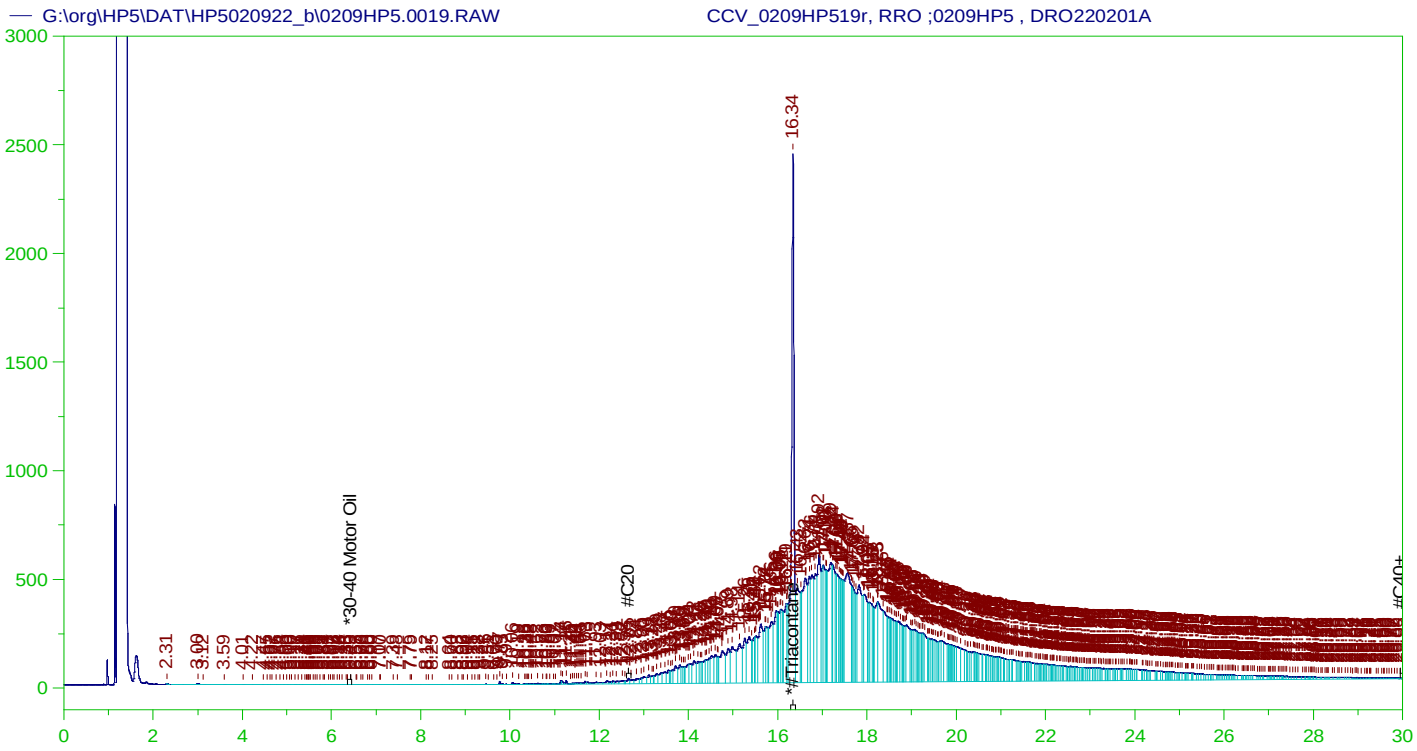


RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP519r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0019.RAW
Date & Time Acquired: 2/9/2022 11:01:51 PM
Method File: G:\Org\HP5\Methods\DC_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.338	500.	313.995	62.8	-

~~RRO~~ TEH(Oil Range) Area:1.300072E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 4919.938

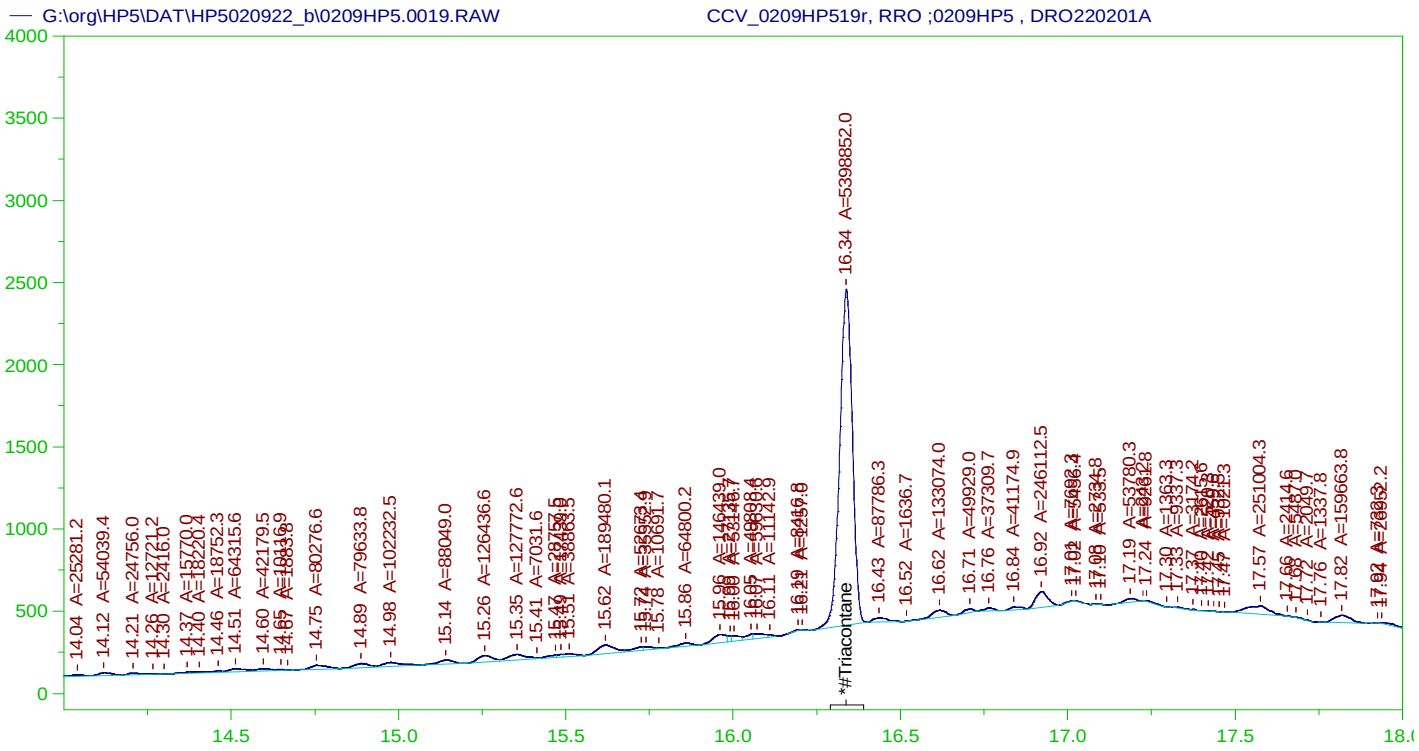
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0019.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.054	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.338	200.	313.995	157.	75-125

AMN 02/16/2022

G:\org\HP5\dat\HP5020922_b\Review\019_CCV_0209HP519r_DC_ORO-BE-L%.xls



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: CCV_0209HP519r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0019.RAW
Date & Time Acquired: 2/9/2022 11:01:51 PM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

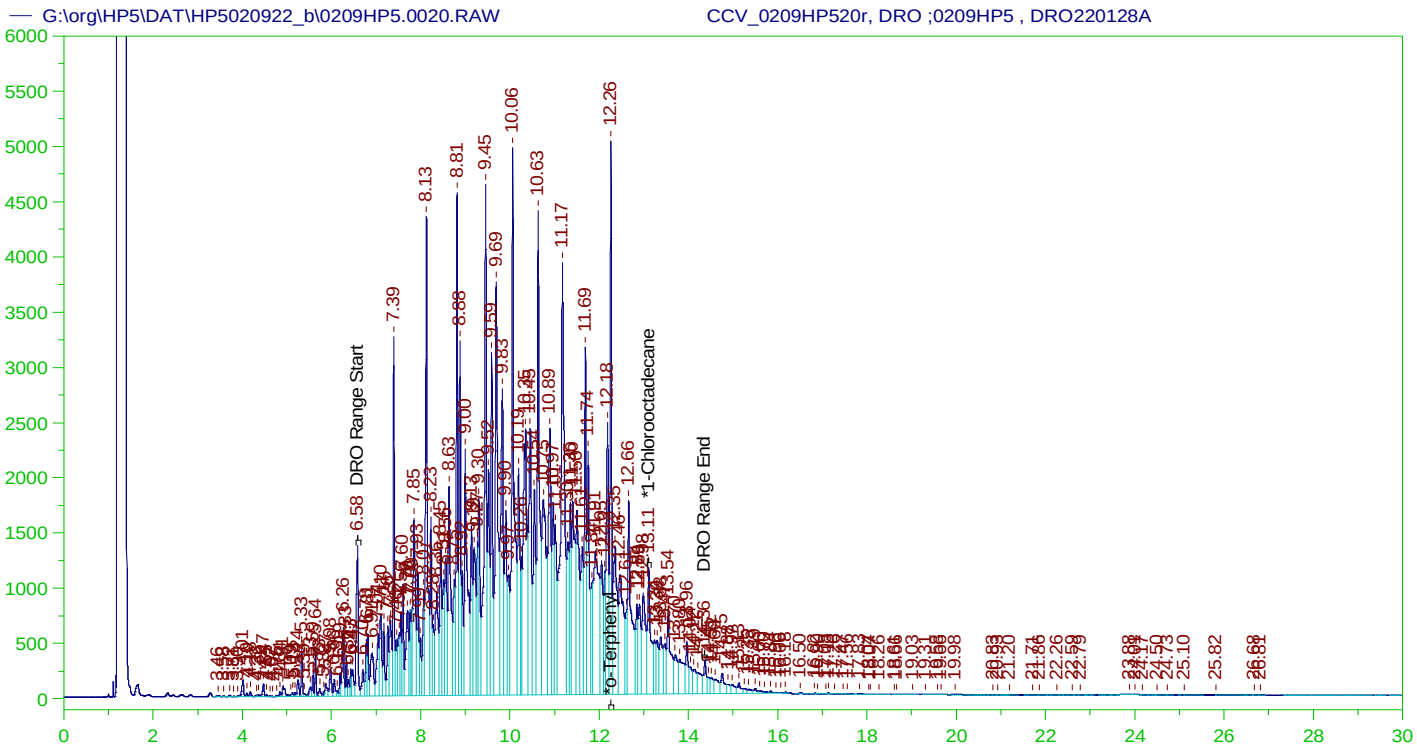
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.338	500.	182.171	36.43	-

RRO Area:3442254 RRO AMOUNT: 130.2672

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0019.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.054	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.338	200.	182.171	91.09	75-125



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP520r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0020.RAW
Date & Time Acquired: 2/9/2022 11:45:09 PM
Method File: G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

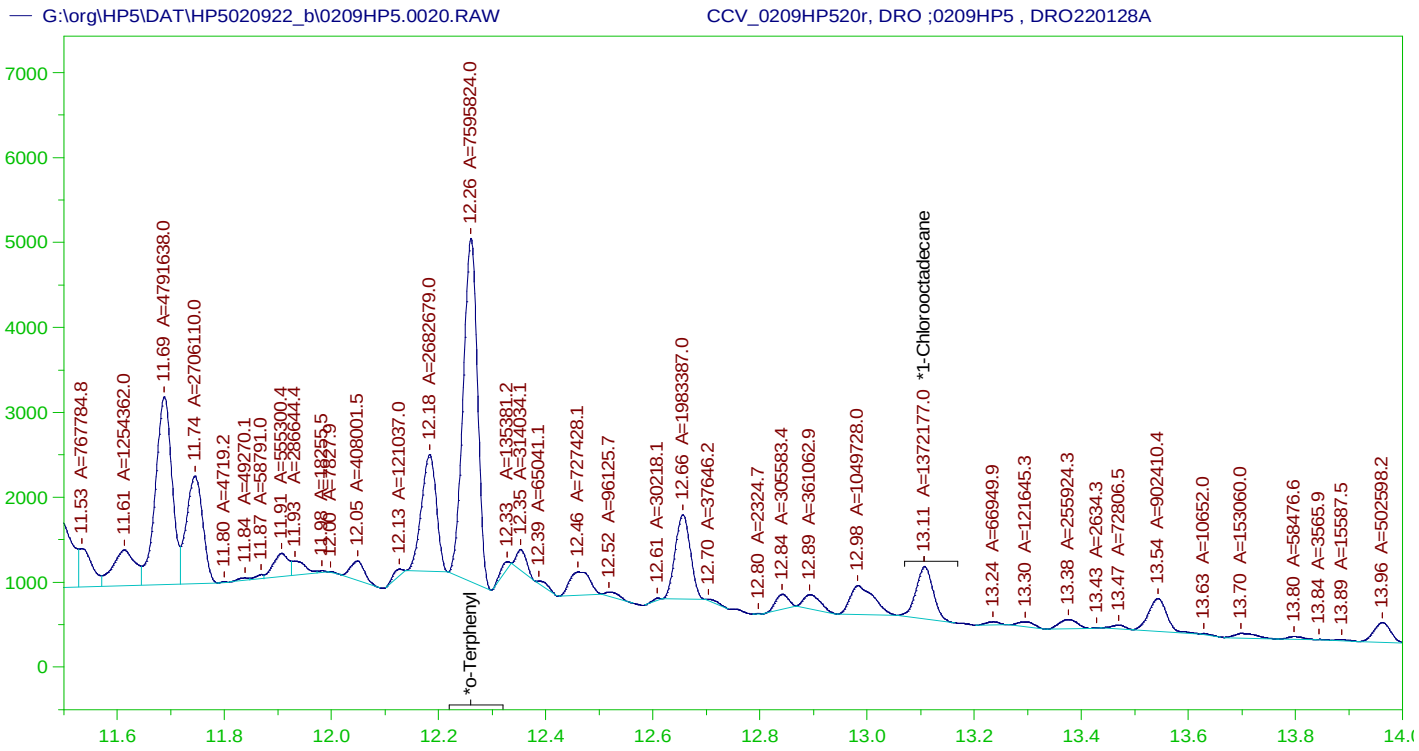
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.26	200.	333.902	166.95	-
*1-Chlorooctadecane	13.107	200.	158.377	79.19	-

DRO Area:4.831212E+08 DRO Amount: 14785.49
TEH Area:5.000184E+08 TEH Amount: 15302.61

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0020.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	15302.61	102.02	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.26	200.	333.902	166.95	85-115
*1-Chlorooctadecane	13.107	200.	158.377	79.19	85-115



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP520r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0020.RAW
Date & Time Acquired: 2/9/2022 11:45:09 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

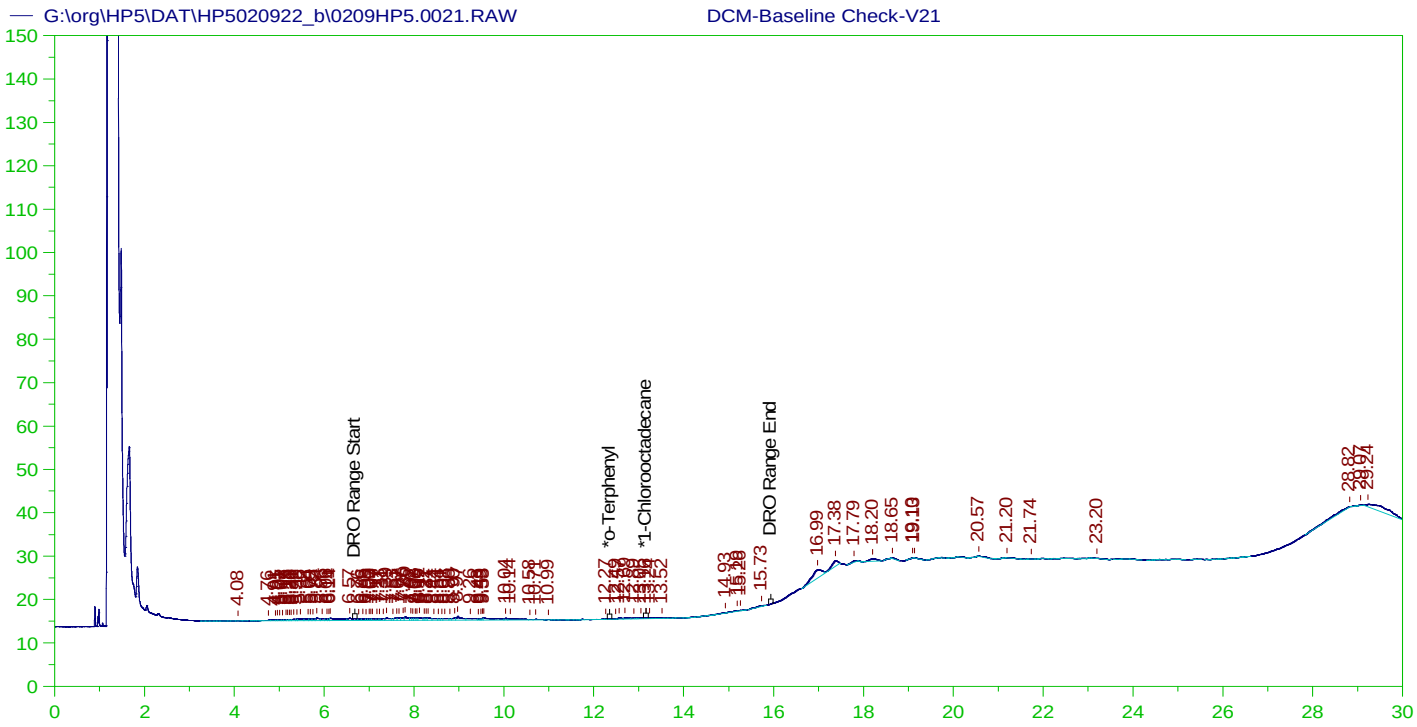
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.26	200.	206.084	103.04	-
*1-Chlorooctadecane	13.107	200.	37.229	18.61	-

DRO Area:2.489521E+08 DRO Amount: 7618.956
TEH Area:2.598607E+08 TEH Amount: 7952.803

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0020.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	7952.8	53.02	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.26	200.	206.084	103.04	85-115
*1-Chlorooctadecane	13.107	200.	37.229	18.61	85-115

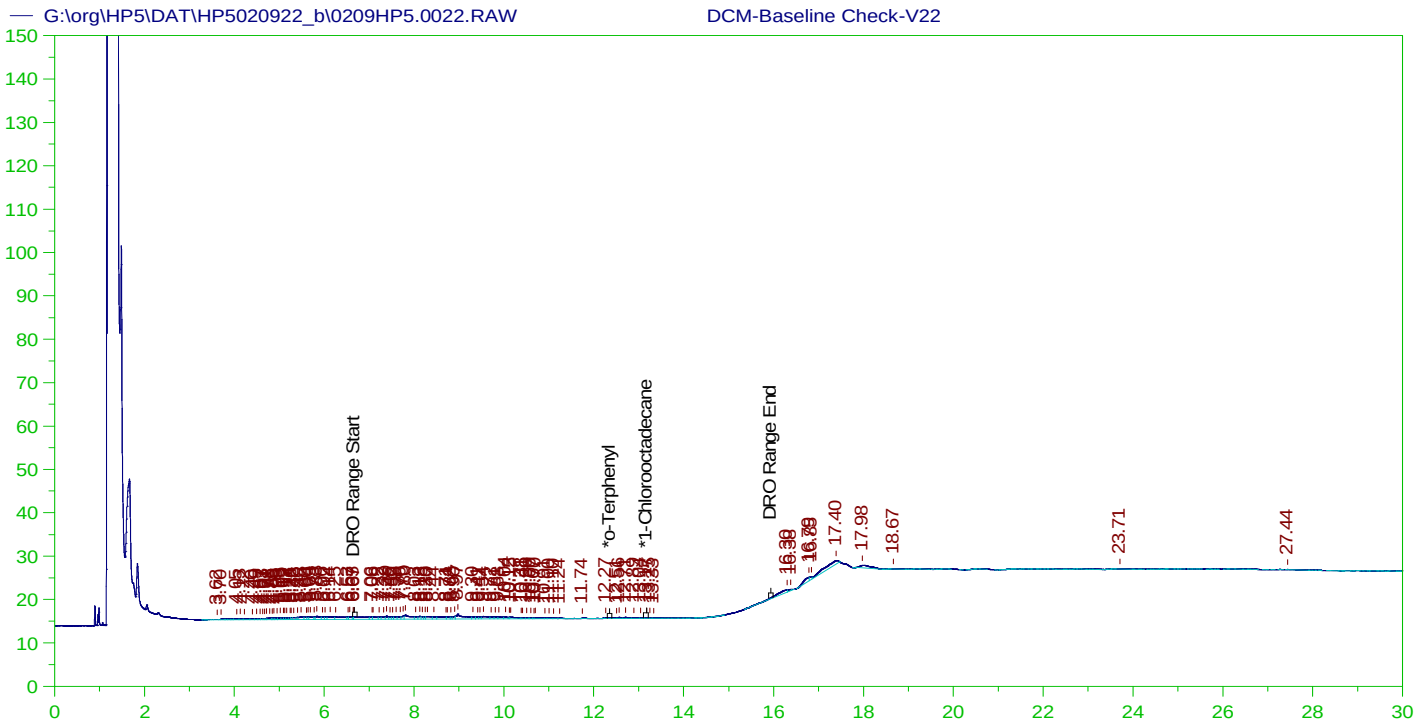


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V21
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0021.RAW
Date & Time Acquired: 2/10/2022 12:28:23 AM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
*o-Terphenyl	29.238	200.	.	-
*1-Chlorooctadecane	13.159	200.	.021	.01 -

DRO Area:110857.8 DRO Amount: 3.392704
TEH Area:274962.8 TEH Amount: 8.41499



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V22
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0022.RAW
Date & Time Acquired: 2/10/2022 1:11:41 AM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

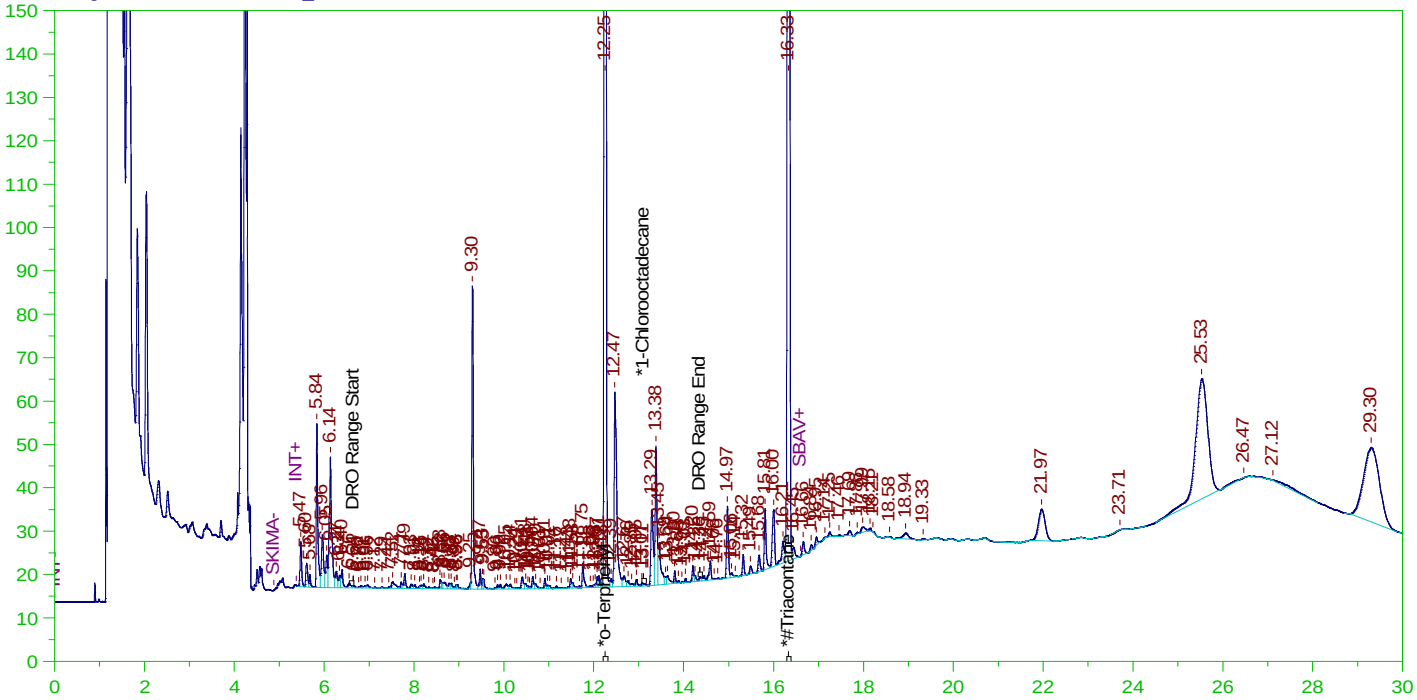
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
*o-Terphenyl	29.976	200.	.	-
*1-Chlorooctadecane	13.172	200.	.03	.02 -

DRO Area:152691.2 DRO Amount: 4.672977
TEH Area:302853.7 TEH Amount: 9.268565

ERH2512 (RHMW19) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0023.RAW B22020415-022D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-022D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0023.RAW
Date & Time Acquired: 2/10/2022 1:54:52 AM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L0.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

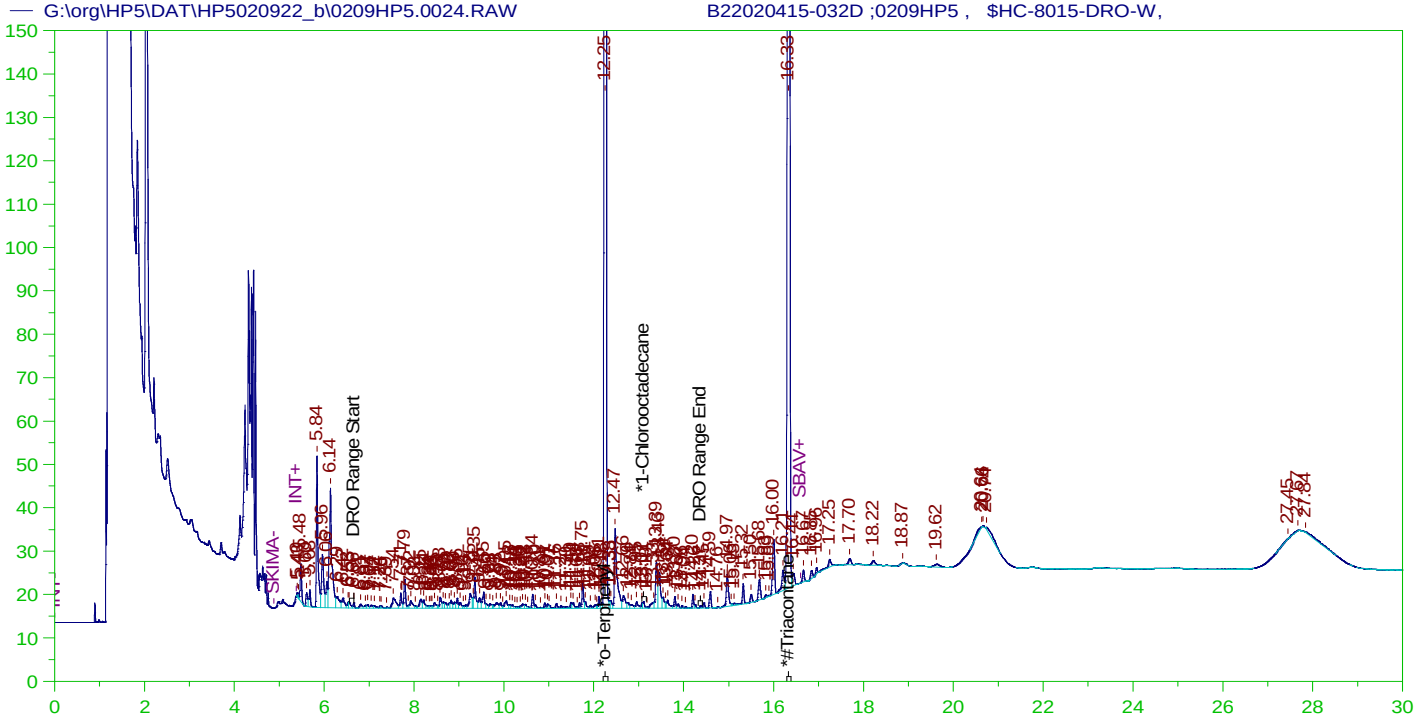
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.189	.161	85.35	-
*1-Chlorooctadecane	13.108	.189	.	.03	-
*#Triacontane	16.332	.189	.093	49.25	-

DRO Area:799328.3 DRO Amount: 2.307804E-02
TEH Area:2494672 TEH Amount: 7.202566E-02

ERH2519 (RHMW2254-01 Low Flow) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0024.RAW B22020415-032D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-032D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0024.RAW
Date & Time Acquired: 2/10/2022 2:37:59 AM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L0.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1055 Dilution: 1 S.A.: 1

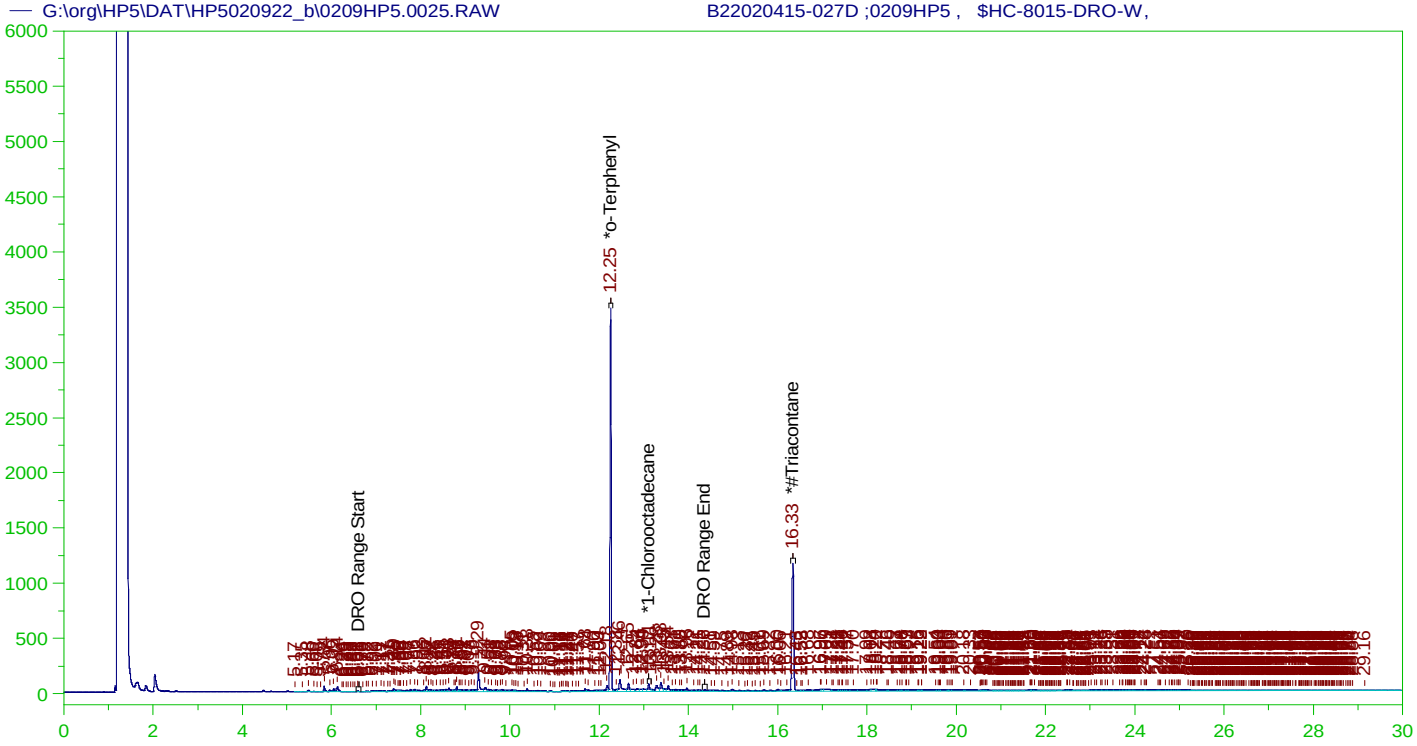
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.254	.19	.17	89.71	-
*1-Chlorooctadecane	13.108	.19	.	.06	-
*#Triacontane	16.333	.19	.091	48.16	-

DRO Area:561494.1 DRO Amount: 1.628817E-02
TEH Area:1122298 TEH Amount: 3.255633E-02

ERH2516 (RHMW2254-01 Bailer) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0025.RAW B22020415-027D ;0209HP5 , $HC-8015-DRO-W,



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-027D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0025.RAW
Date & Time Acquired: 2/10/2022 3:21:11 AM
Method File: G:\Org\HP5\Methods\D3_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

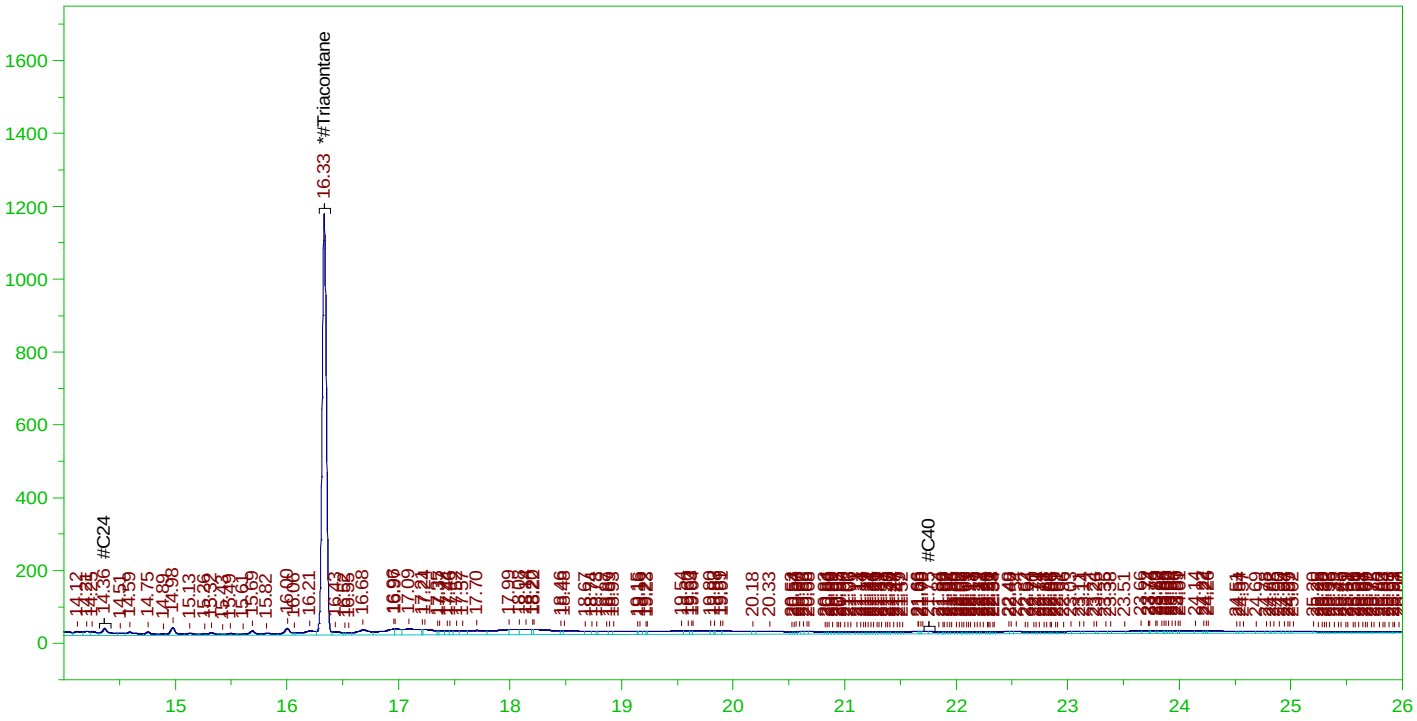
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.254	.19	.176	92.48	-
*1-Chlorooctadecane	13.106	.19	.006	2.89	-
*#Triacontane	16.335	.19	.098	51.49	-

DRO Area:6420128 DRO Amount: 0.1871259
TEH Area:1.215804E+07 TEH Amount: 0.3543674

ERH2516 (RHMW2254-01 Bailer) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0025.RAW B22020415-027D ;0209HP5 , $HC-8015-DRO-W,



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-027D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0025.RAW
Date & Time Acquired: 2/10/2022 3:21:11 AM
Method File: G:\Org\HP5\Methods\D3_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

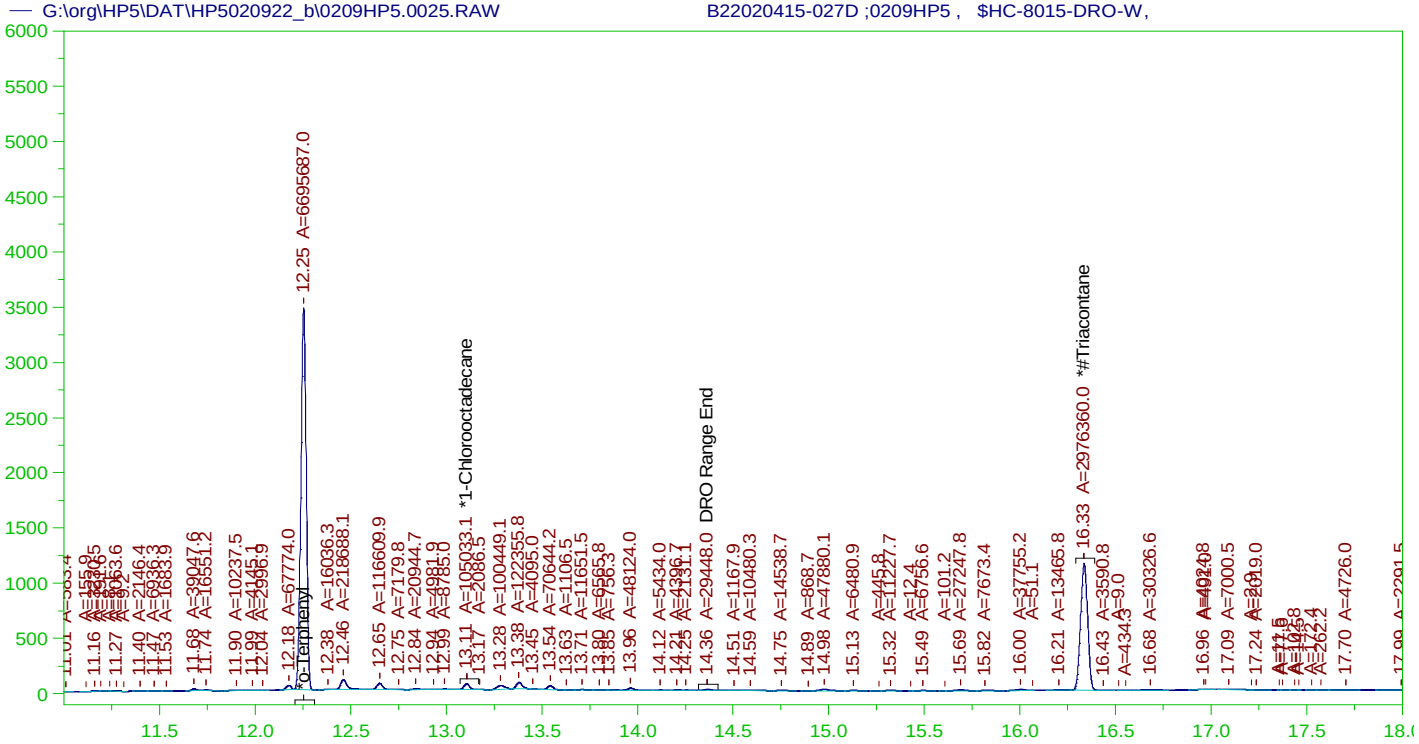
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.335	.476	.098	20.6	-

RRO Area:3715085 RRO AMOUNT: 0.1338973

ERH2516 (RHMW2254-01 Bailer) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0025.RAW B22020415-027D ;0209HP5 , $HC-8015-DRO-W,



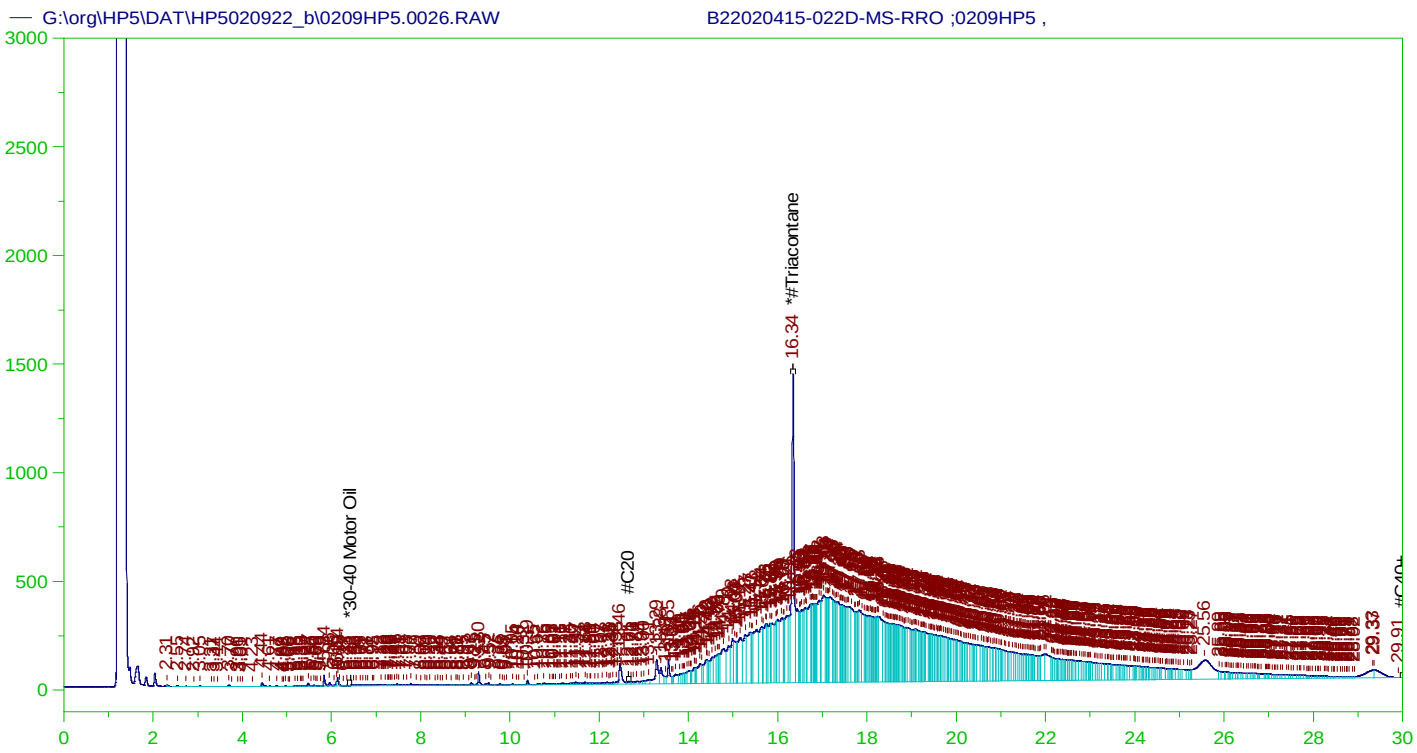
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-027D ;0209HP5 , $HC-8015-DRO-W,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0025.RAW
Date & Time Acquired: 2/10/2022 3:21:11 AM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.254	.19	.173	90.83	-
*1-Chlorooctadecane	13.106	.19	.003	1.42	-
*#Triacontane	16.335	.19	.096	50.22	-

DRO Area:3867463 DRO Amount: 0.112724
TEH Area:4738856 TEH Amount: 0.1381223



RESIDUAL RANGE ORGANICS CHROMATOGRAM

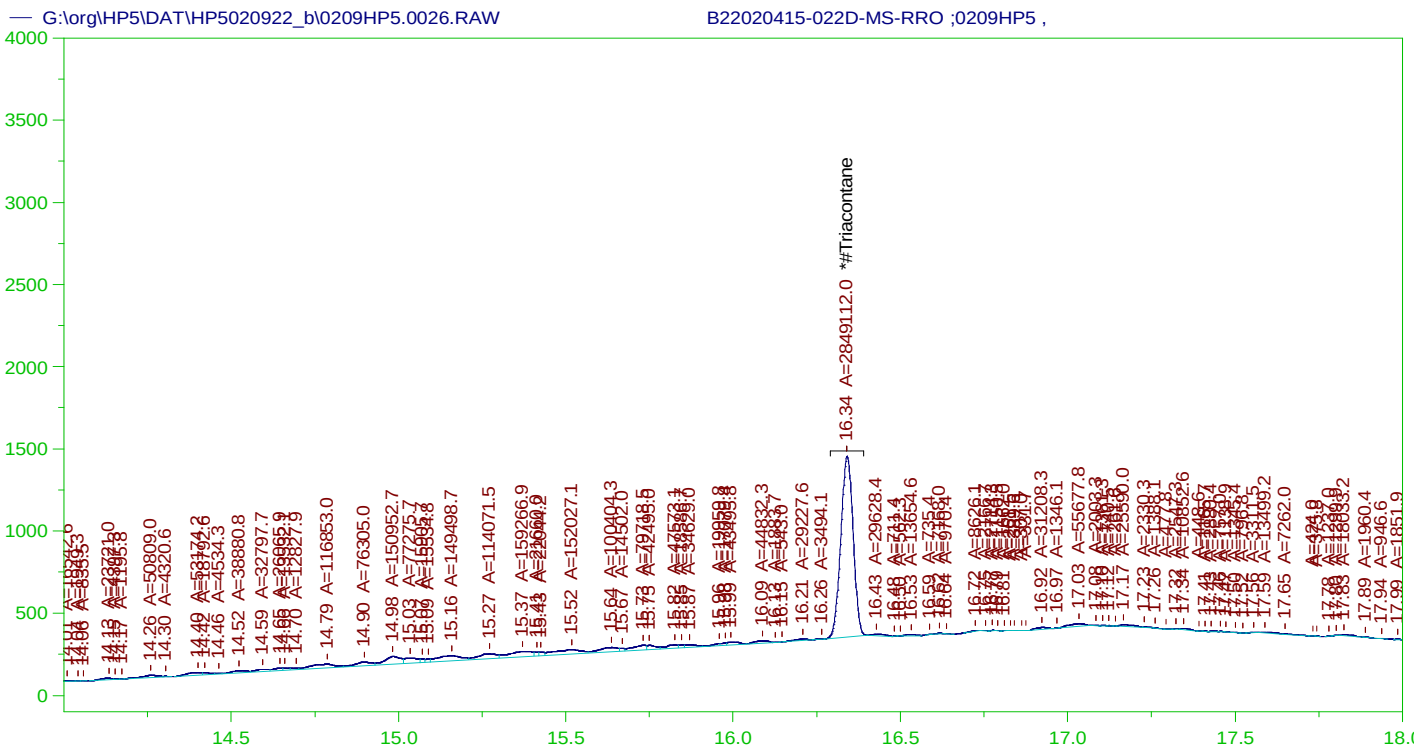
Sample Name: B22020415-022D-MS-RRO ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0026.RAW
Date & Time Acquired: 2/10/2022 4:04:24 AM
Method File: G:\Org\HP5\Methods\D3_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 990 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.34	.505	.181	35.92	-

~~RRO~~ TEH(Oil Range) Area:1.302155E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 4.977598

AMN 02/16/2022



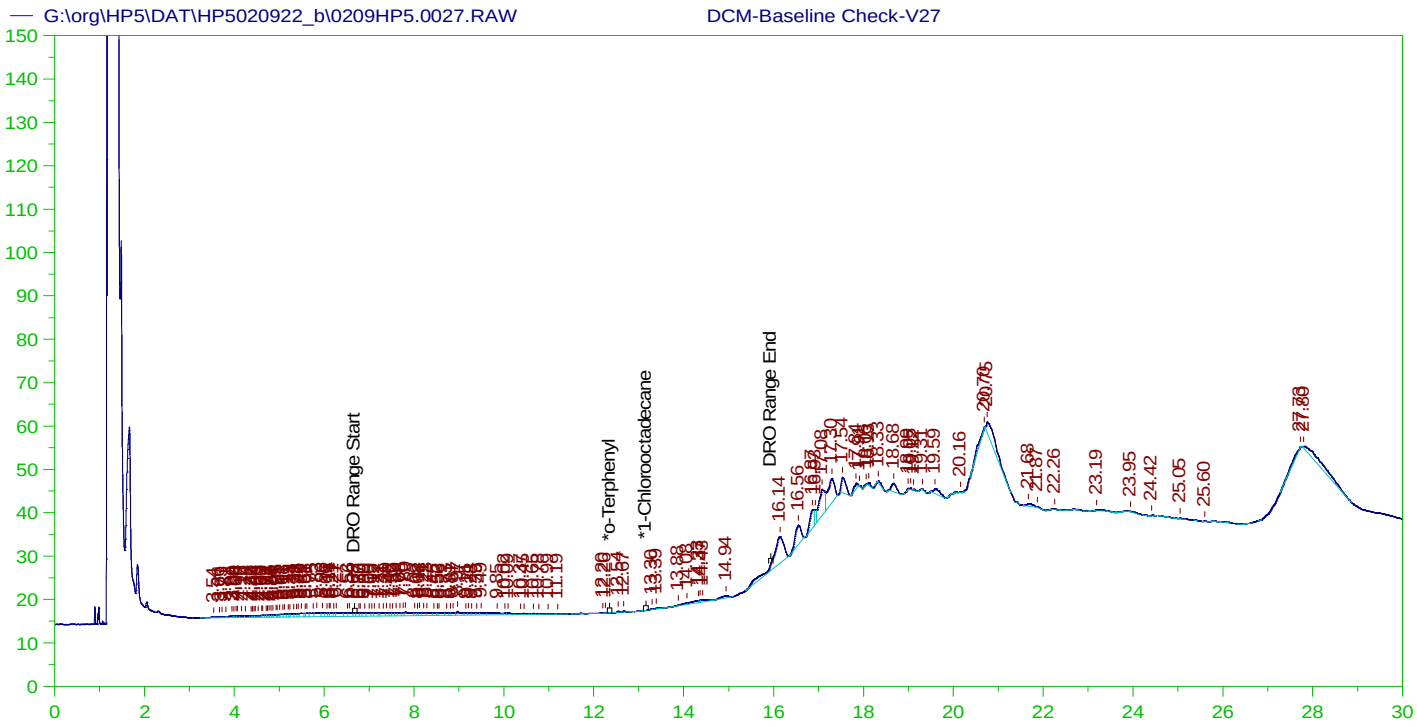
RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-022D-MS-RRO ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0026.RAW
Date & Time Acquired: 2/10/2022 4:04:24 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 990 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.34	.505	.097	19.23	-

RRO Area:4103877 RRO AMOUNT: 0.1568742

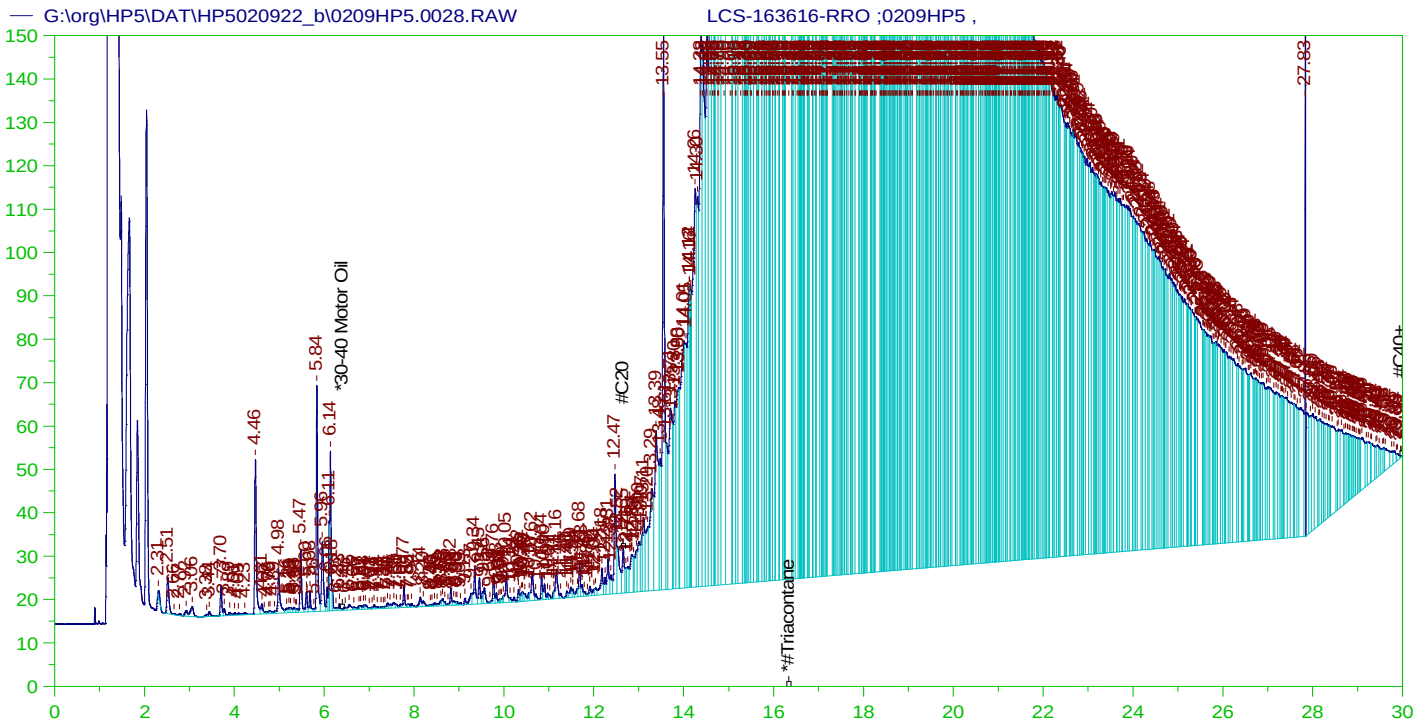


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V27
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0027.RAW
Date & Time Acquired: 2/10/2022 4:47:30 AM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	27.804	200.	.	.	-
*1-Chlorooctadecane	27.804	200.	.	.	-

DRO Area:152016.1 DRO Amount: 4.652317
TEH Area:784812.3 TEH Amount: 24.01847



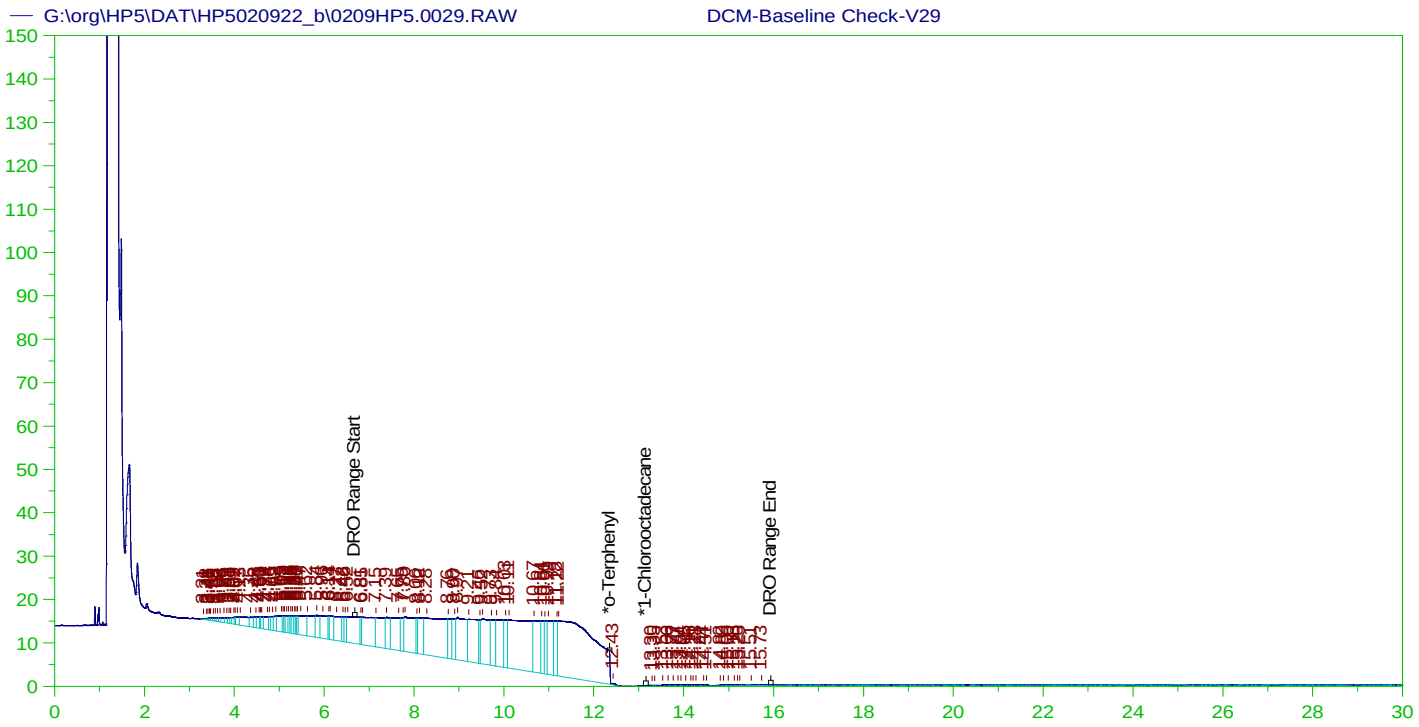
RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: LCS-163616-RRO ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0028.RAW
Date & Time Acquired: 2/10/2022 5:30:39 AM
Method File: G:\Org\HP5\Methods\D3_ORO-BE-L0.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.338	.5	.185	36.91	-

RRO Area:1.327937E+08 RRO AMOUNT: 5.025392

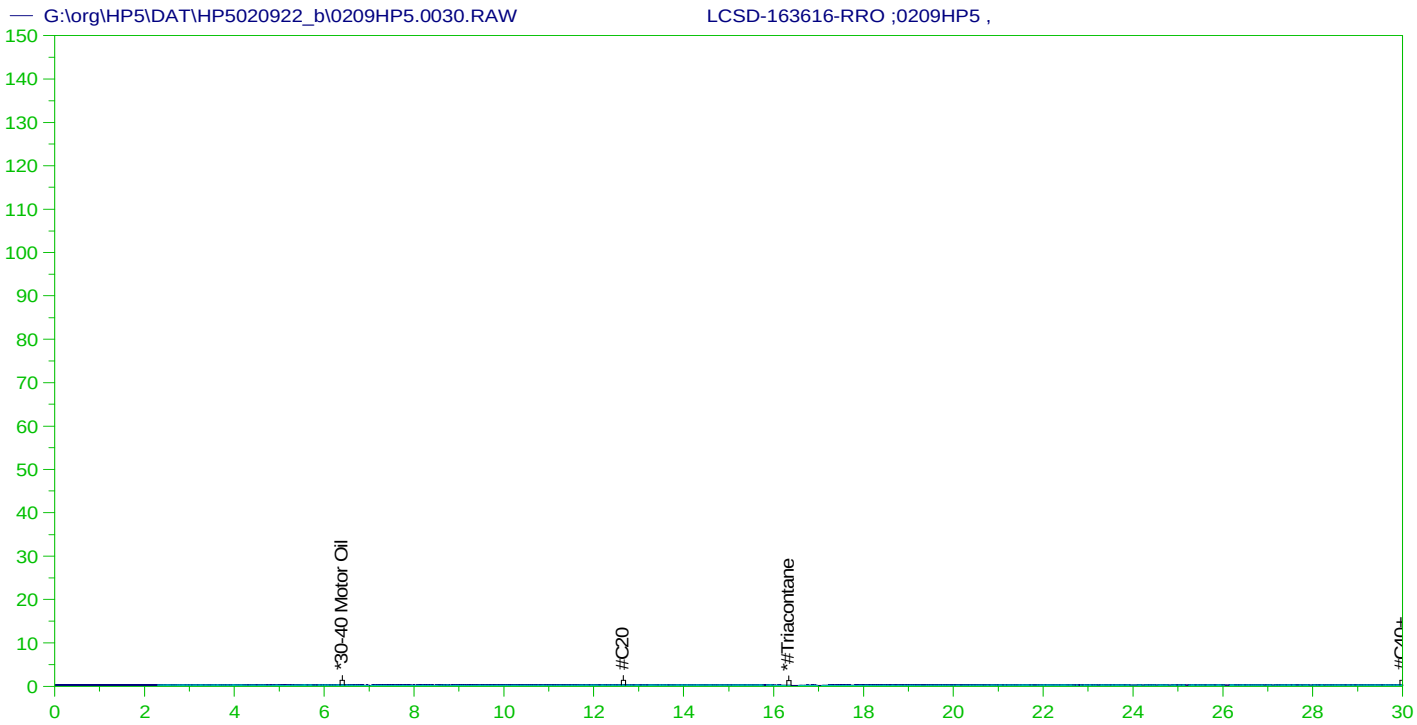


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V29
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0029.RAW
Date & Time Acquired: 2/10/2022 6:13:40 AM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.98	200.	.	.	-
*1-Chlorooctadecane	29.98	200.	.	.	-

DRO Area:3285000 DRO Amount: 100.5345
TEH Area:4012528 TEH Amount: 122.7998



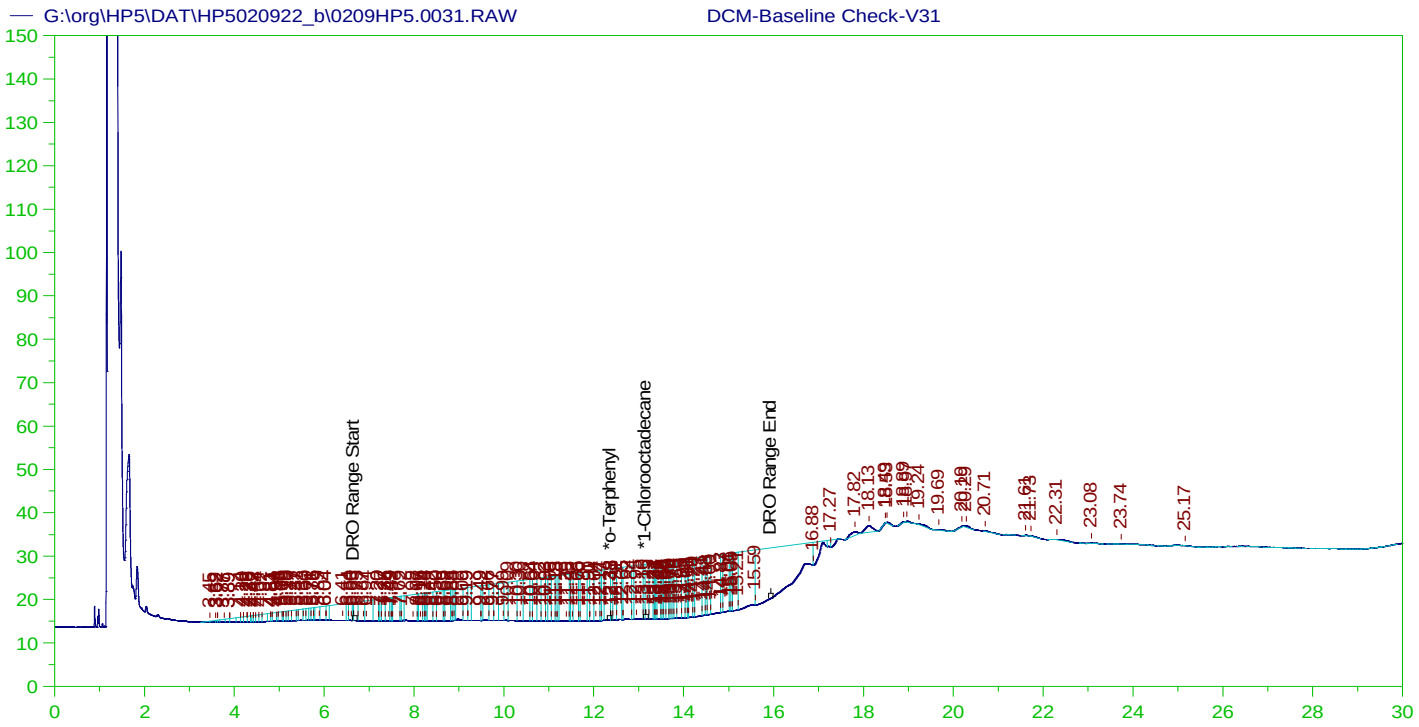
RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: LCSD-163616-RRO ;0209HP5 ,
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0030.RAW
Date & Time Acquired: 2/10/2022 6:56:23 AM
Method File: G:\Org\HP5\Methods\D3_ORO-BE-L0.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
*#Triacontane	29.993	.5	.	.	-

RRO Area:0 RRO AMOUNT: 0

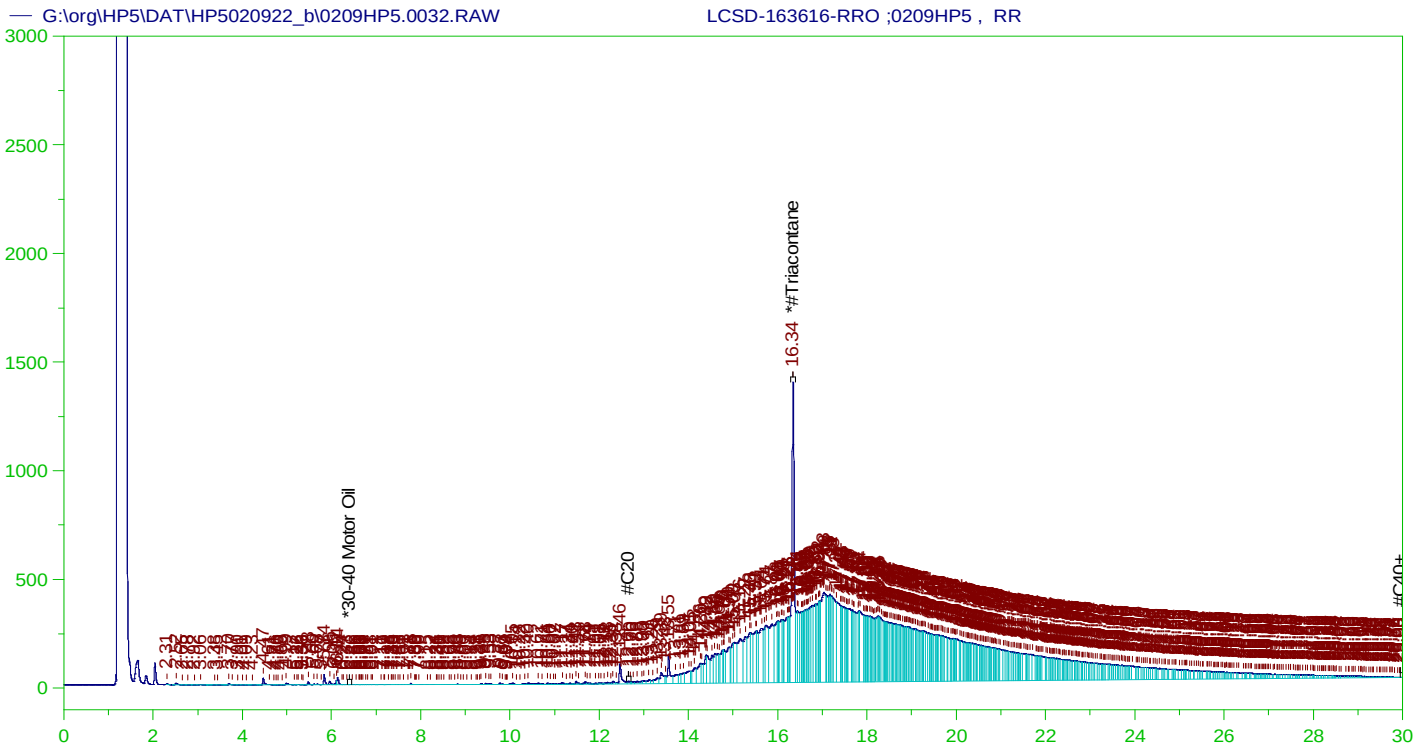


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V31
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0031.RAW
Date & Time Acquired: 2/10/2022 8:16:10 AM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.375	200.	2.725	1.36	-
*1-Chlorooctadecane	13.148	200.	1.657	.83	-

DRO Area:5868327 DRO Amount: 179.5949
TEH Area:6386669 TEH Amount: 195.4583



RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: LCSD-163616-RRO ;0209HP5 , RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0032.RAW
Date & Time Acquired: 2/10/2022 8:58:54 AM
Method File: G:\Org\HP5\Methods\D3_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.341	.5	.179	35.84	-

~~RRO~~ TEH(Oil Range) Area:1.250169E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 4.731087

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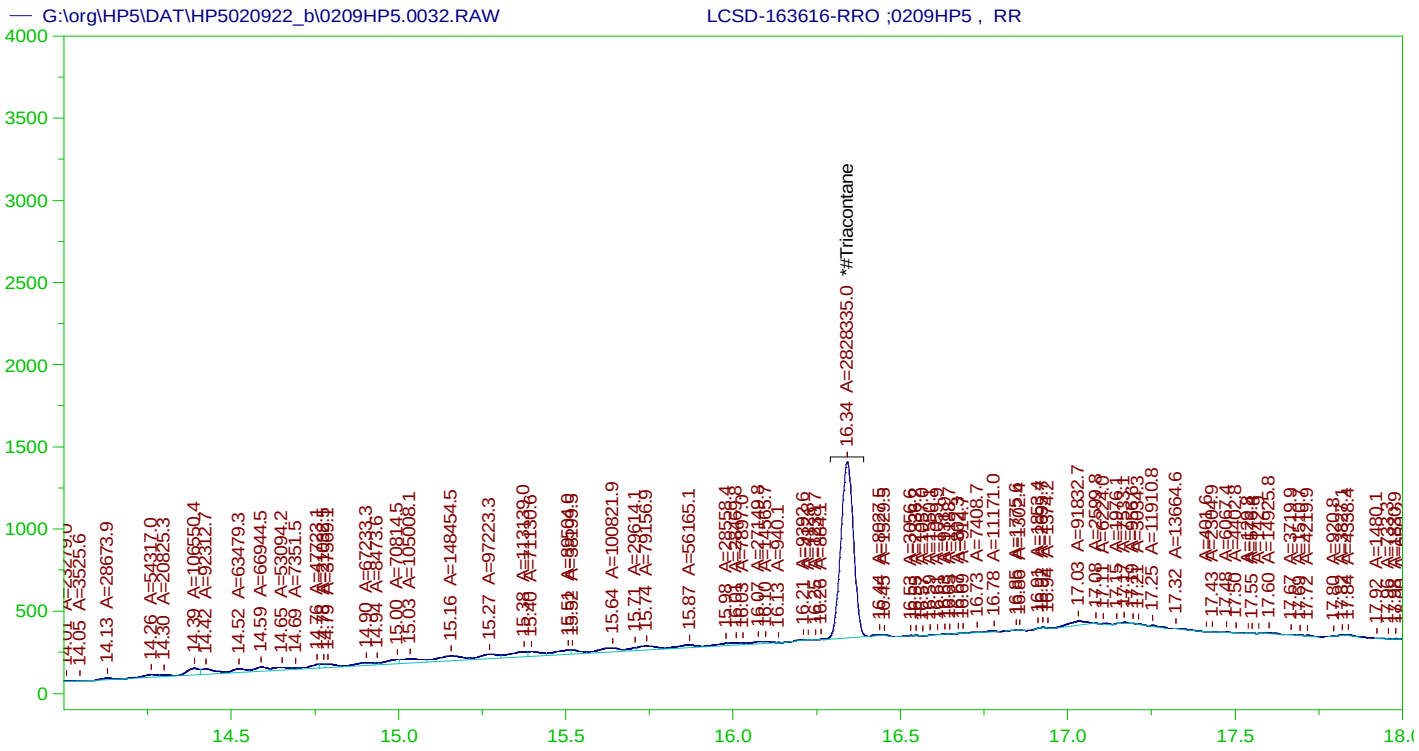


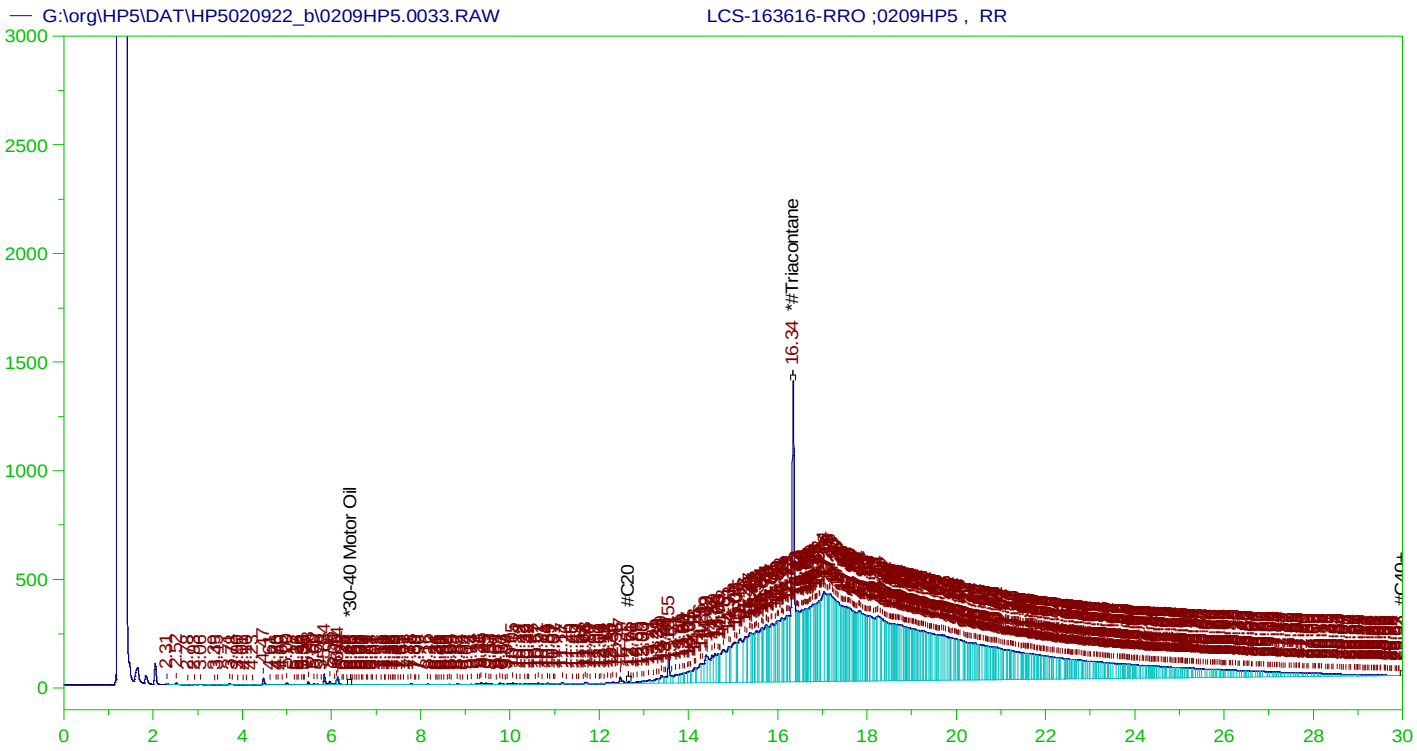
RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: LCSD-163616-RRO ;0209HP5 , RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0032.RAW
Date & Time Acquired: 2/10/2022 8:58:54 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.341	.5	.095	19.09	-

RRO Area:2755643 RRO AMOUNT: 0.1042834



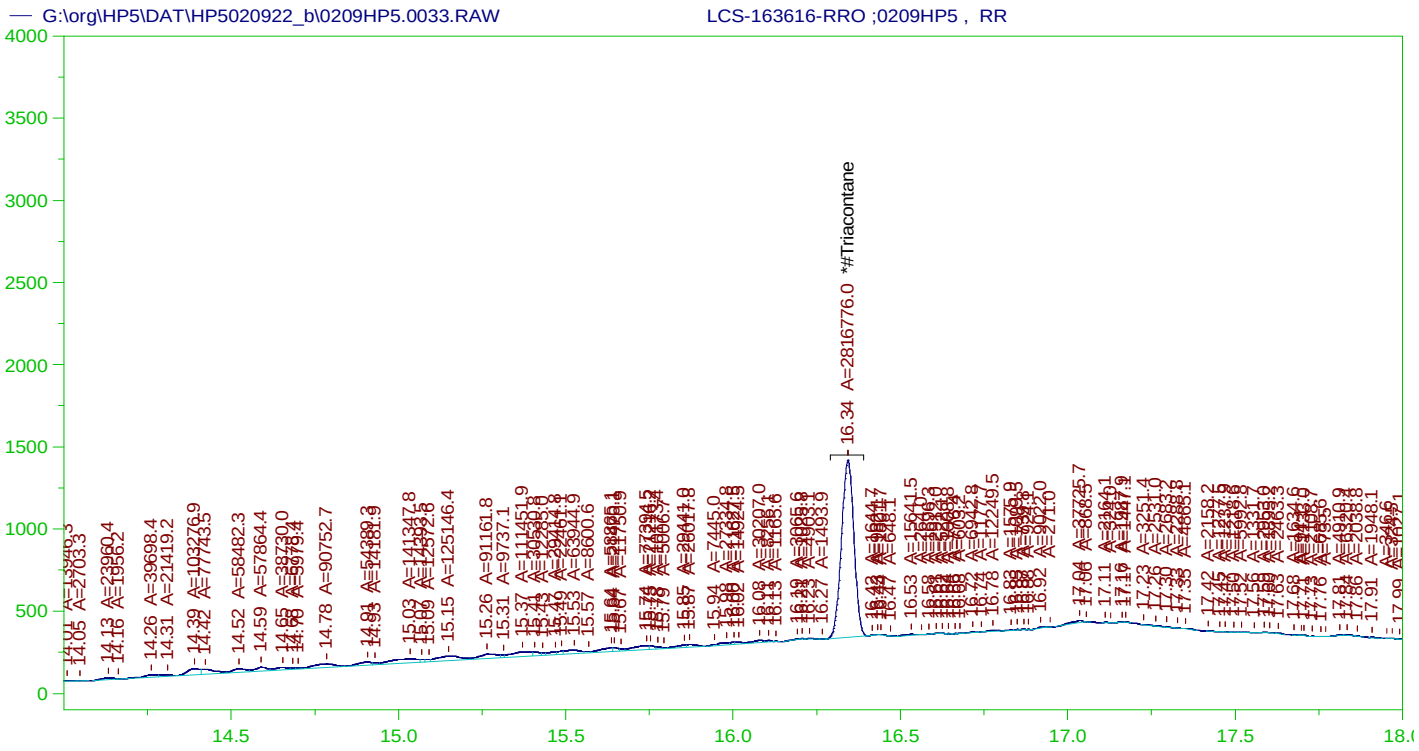
RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: LCS-163616-RRO ;0209HP5 , RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0033.RAW
Date & Time Acquired: 2/10/2022 9:41:36 AM
Method File: G:\Org\HP5\Methods\D3_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.343	.5	.172	34.47	-

~~RRO~~ TEH(Oil Range) Area:1.261064E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 4.77232

AMN 02/16/2022



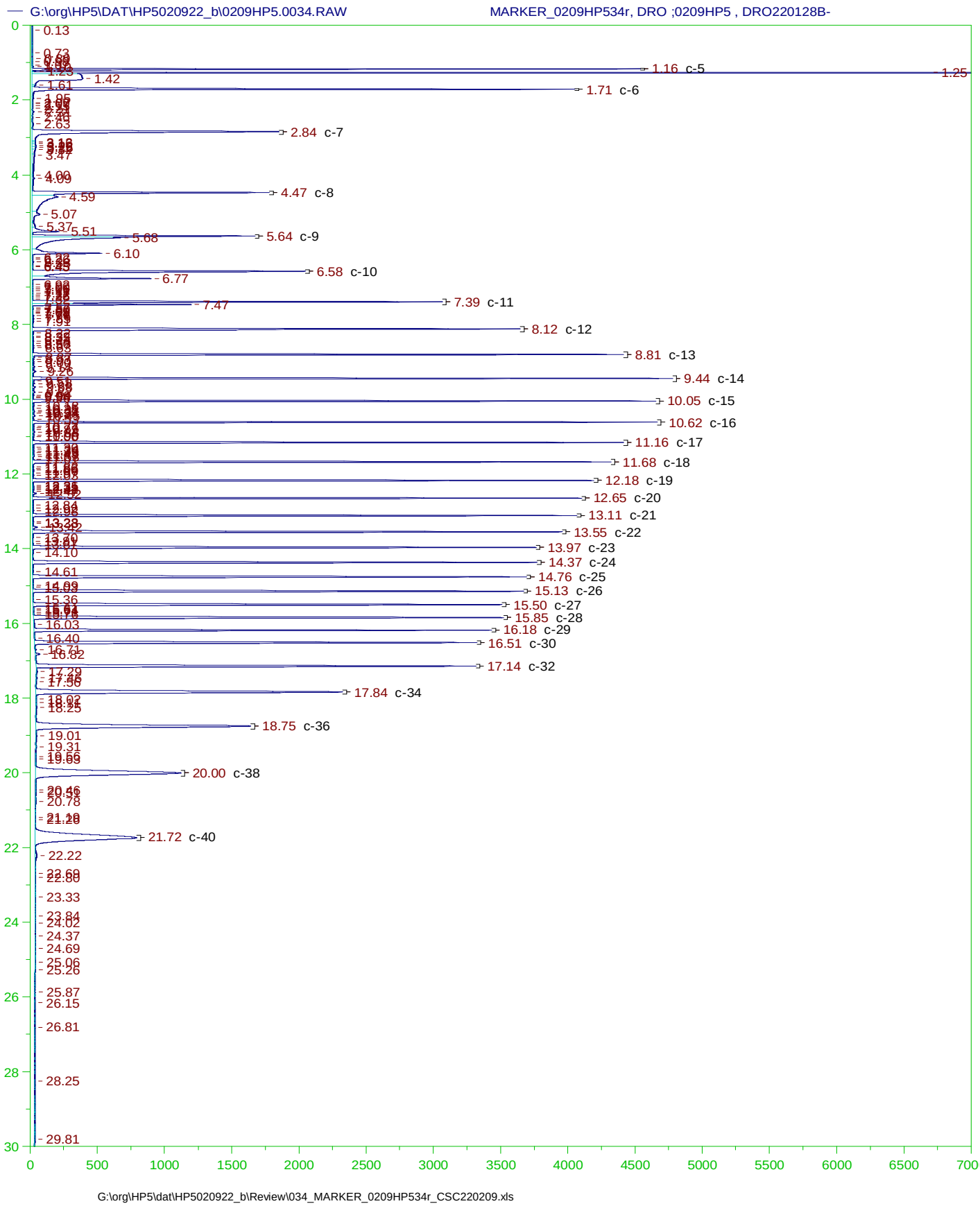
RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: LCS-163616-RRO ;0209HP5 , RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0033.RAW
Date & Time Acquired: 2/10/2022 9:41:36 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.343	.5	.095	19.01	-

RRO Area:2468655 RRO AMOUNT: 9.342279E-02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1.16 c-5
1.25
1.42
1.61
1.71 c-6
2.63
2.84 c-7
4.00
4.09
4.47 c-8
4.59
5.07
5.37
5.51
5.68
5.64 c-9
6.10
6.58 c-10
6.77
7.39 c-11
7.47
8.12 c-12
8.81 c-13
9.26
9.44 c-14
10.05 c-15
10.62 c-16
11.16 c-17
11.68 c-18
12.18 c-19
12.65 c-20
13.11 c-21
13.55 c-22
13.97 c-23
14.10
14.37 c-24
14.61
14.76 c-25
15.13 c-26
15.36
15.50 c-27
15.85 c-28
16.03
16.18 c-29
16.40
16.51 c-30
16.71
16.82
17.14 c-32
17.29
17.50
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18.02
18.25
18.75 c-36
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19.31
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23.33
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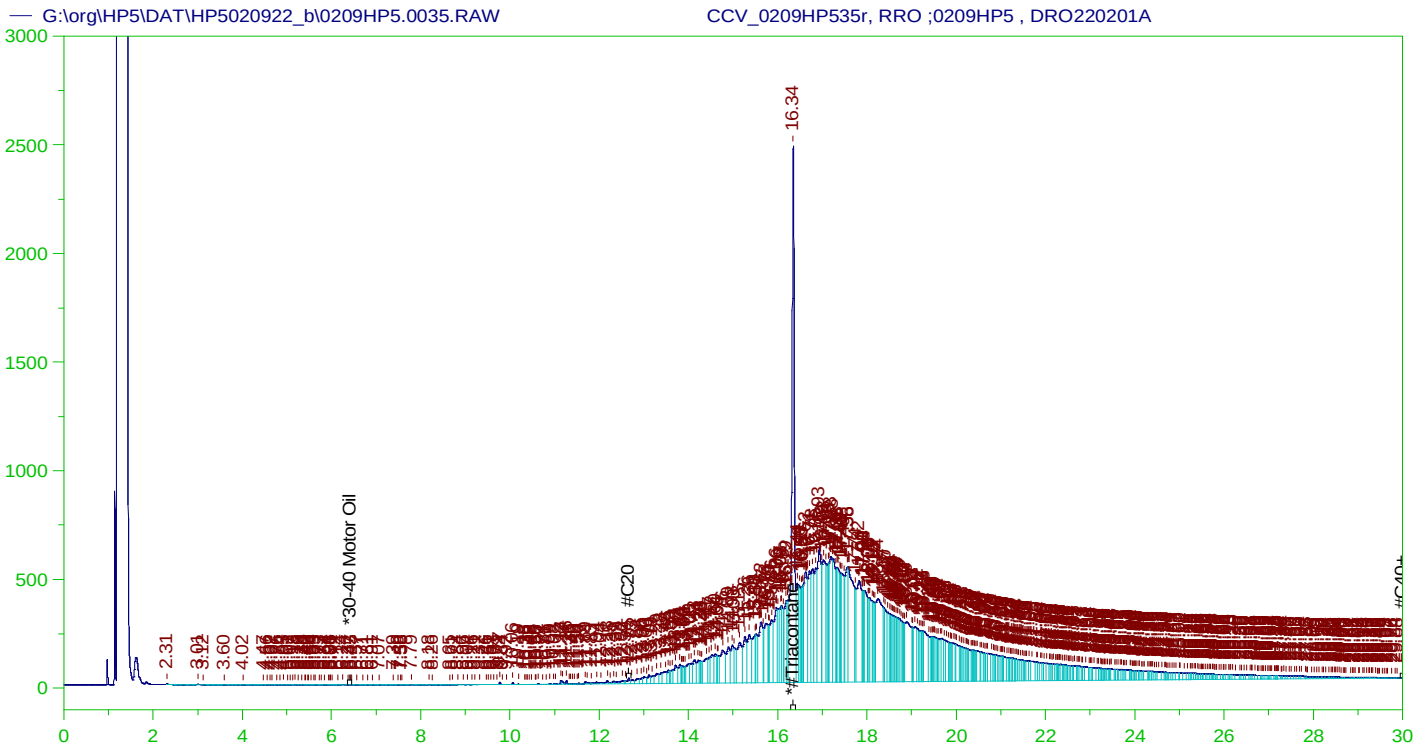

RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP535r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0035.RAW
Date & Time Acquired: 2/10/2022 11:06:52 AM
Method File: G:\Org\HP5\Methods\DC_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.343	500.	331.188	66.24	-

~~RRO~~ TEH(Oil Range) Area:1.364209E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 5162.656

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0035.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.031	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.343	200.	331.188	165.59	75-125

AMN 02/16/2022

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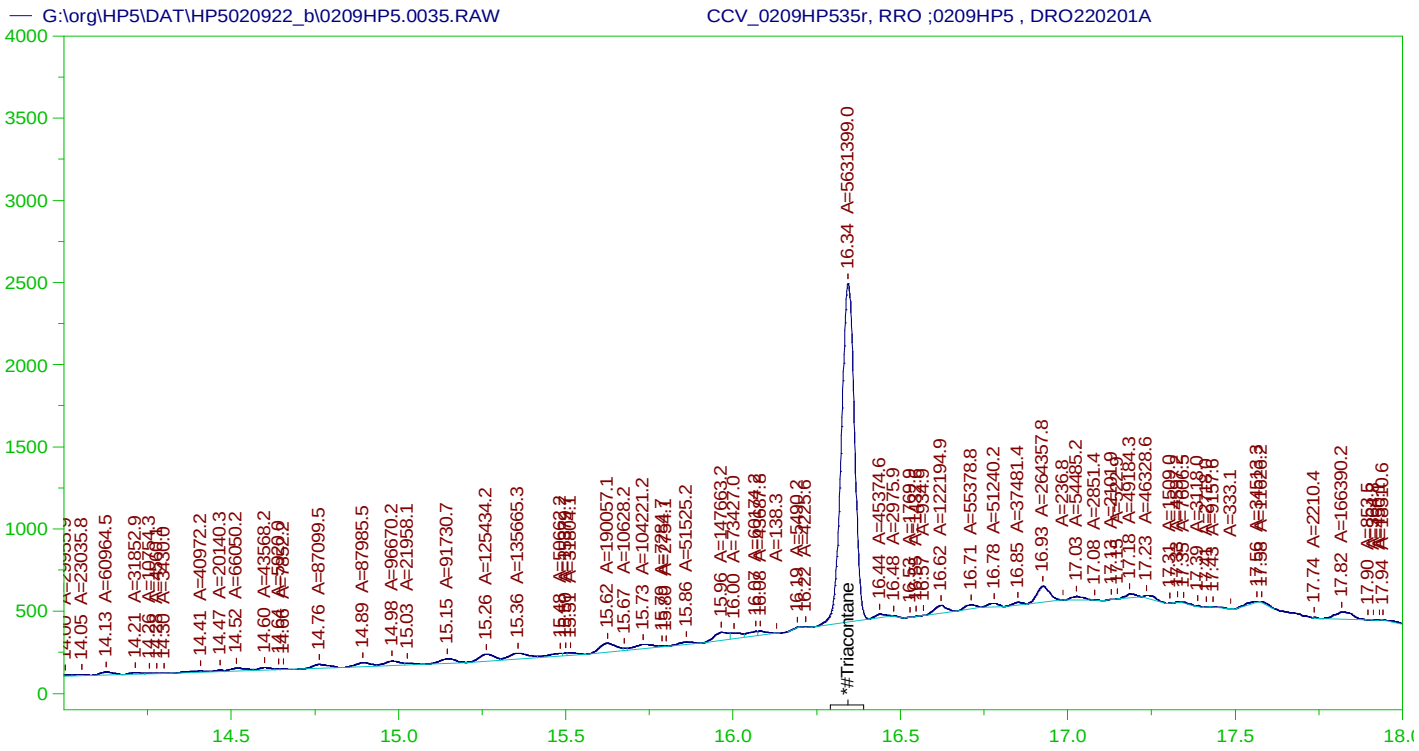


RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP535r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0035.RAW
Date & Time Acquired: 2/10/2022 11:06:52 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

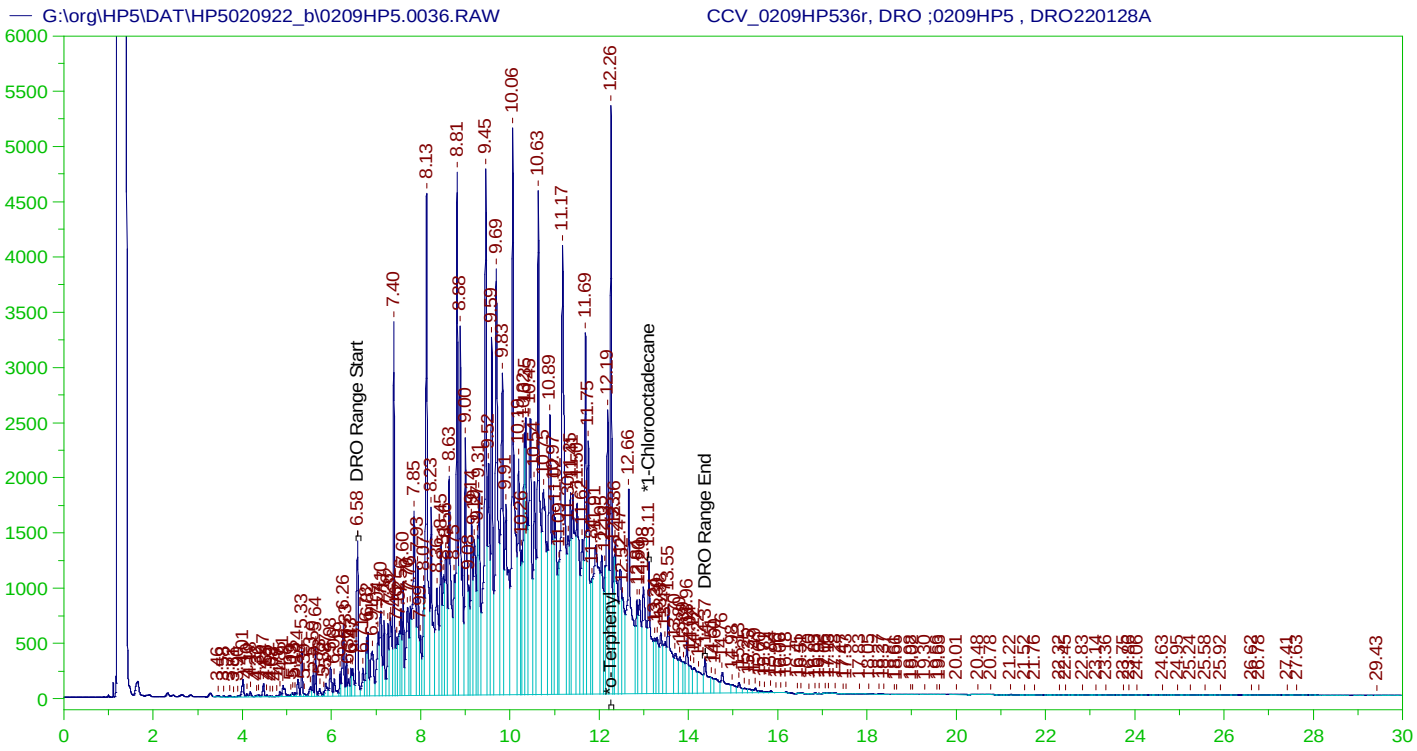
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.343	500.	190.018	38.	-

RRO Area:3538639 RRO AMOUNT: 133.9148

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0035.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.031	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.343	200.	190.018	95.01	75-125



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP536r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0036.RAW
Date & Time Acquired: 2/10/2022 11:49:29 AM
Method File: G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

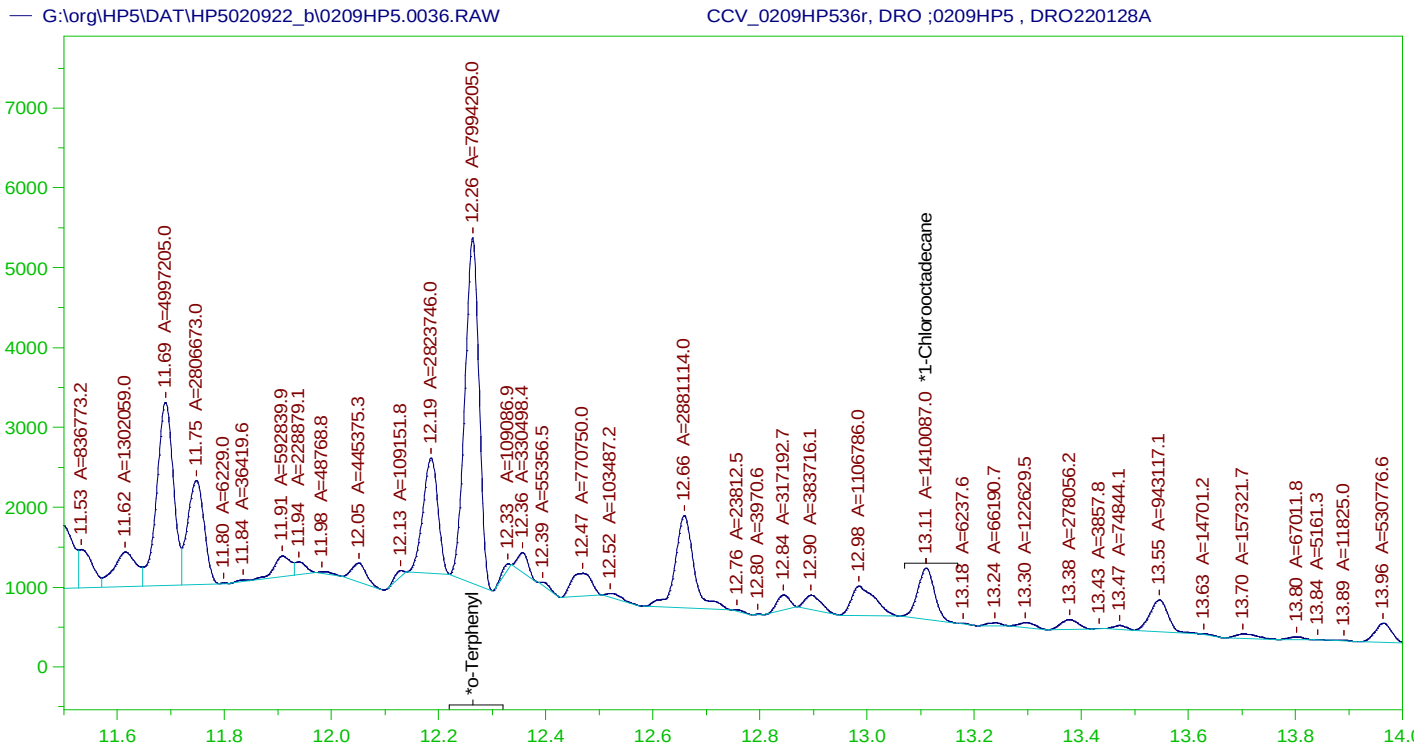
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.263	200.	350.528	175.26	-
*1-Chlorooctadecane	13.11	200.	164.307	82.15	-

DRO Area:5.058048E+08 DRO Amount: 15479.7
TEH Area:5.228659E+08 TEH Amount: 16001.84

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0036.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	16001.84	106.68	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.263	200.	350.528	175.26	85-115
*1-Chlorooctadecane	13.11	200.	164.307	82.15	85-115



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP536r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0036.RAW
Date & Time Acquired: 2/10/2022 11:49:29 AM
Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.263	200.	216.893	108.45	-
*1-Chlorooctadecane	13.11	200.	38.257	19.13	-

DRO Area:2.597507E+08 DRO Amount: 7949.436
TEH Area:2.710753E+08 TEH Amount: 8296.017

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0036.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	8296.02	55.31	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.263	200.	216.893	108.45	85-115
*1-Chlorooctadecane	13.11	200.	38.257	19.13	85-115

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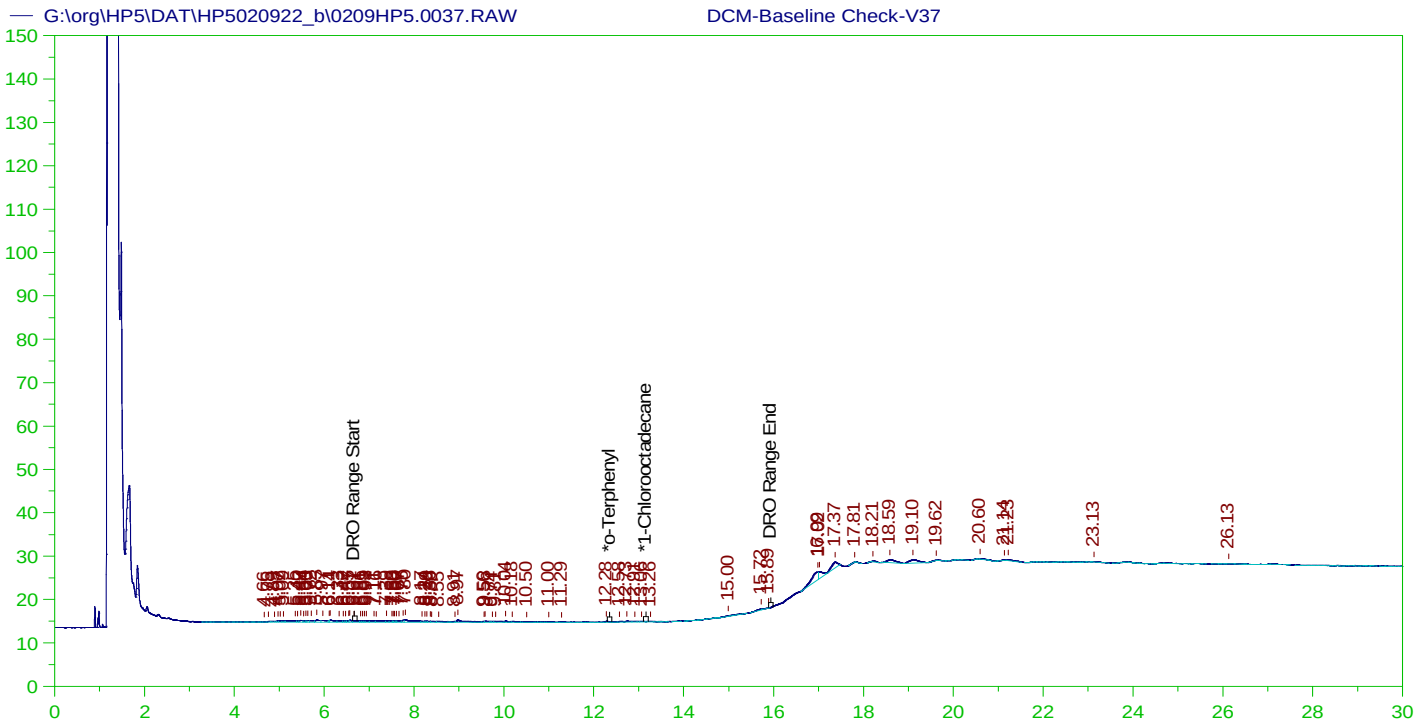
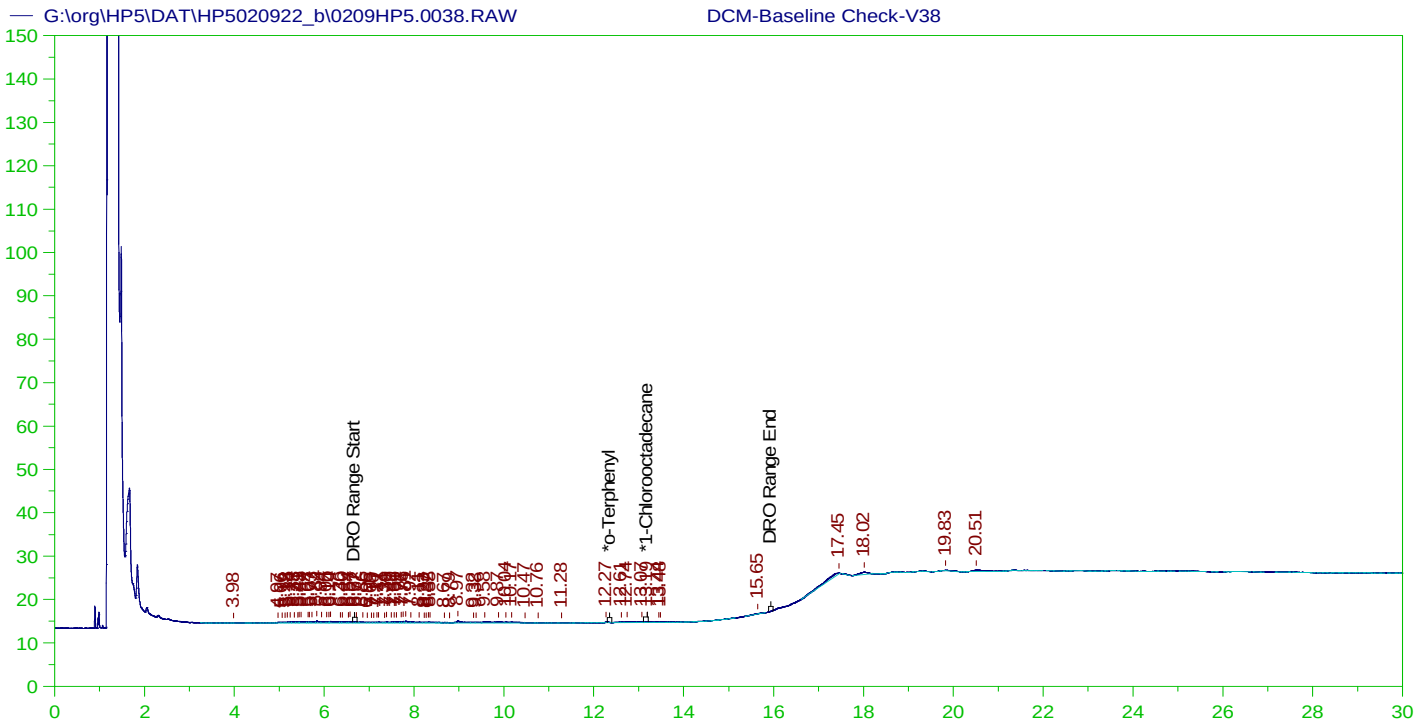


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V37
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0037.RAW
Date & Time Acquired: 2/10/2022 12:32:05 PM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.961	200.	.	.	-
*1-Chlorooctadecane	29.961	200.	.	.	-

DRO Area:73495.36 DRO Amount: 2.249259
TEH Area:197981.2 TEH Amount: 6.059035



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V38
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0038.RAW
Date & Time Acquired: 2/10/2022 1:14:58 PM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

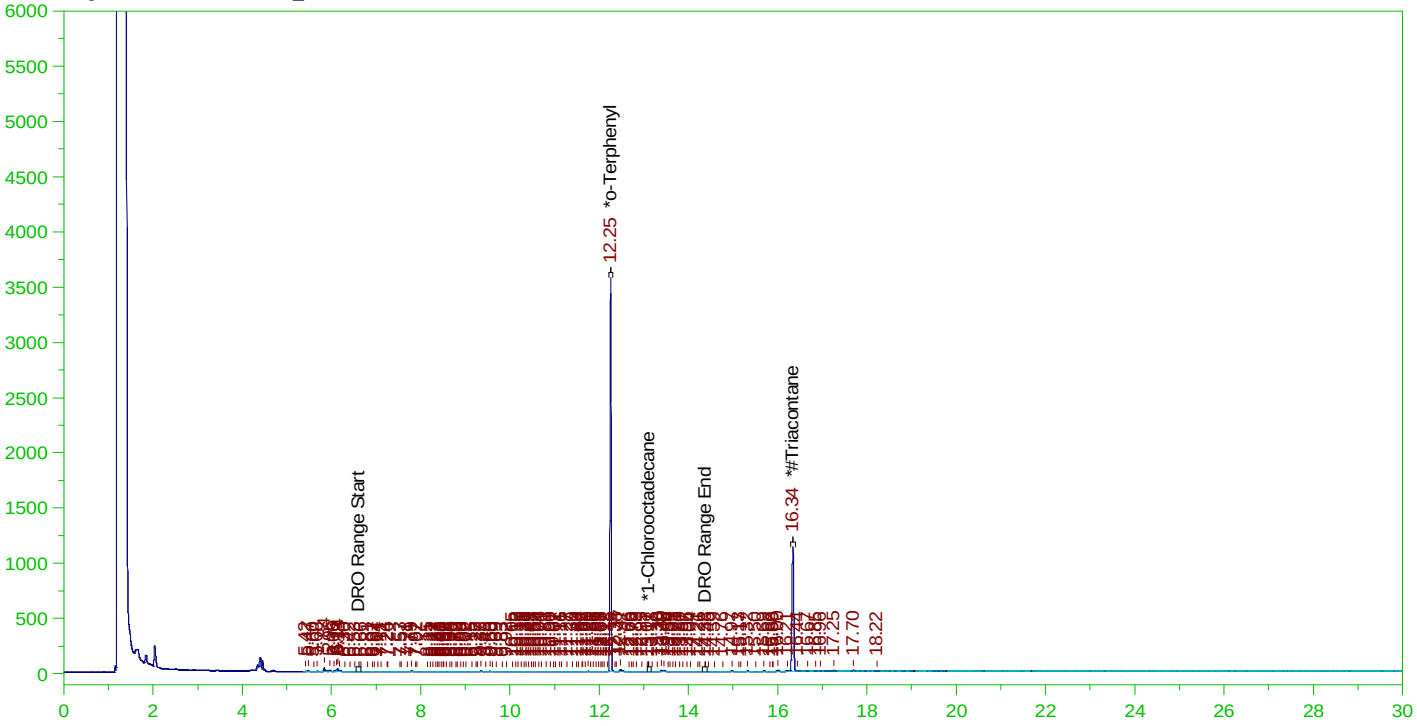
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
*o-Terphenyl	29.952	200.	.	-
*1-Chlorooctadecane	13.191	200.	.044	.02 -

DRO Area:68036.77 DRO Amount: 2.082204
TEH Area:142833.6 TEH Amount: 4.371294

ERH2519 (RHMW2254-01 Low Flow) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0039.RAW B22020415-032D ;0209HP5 , $HC-8015-DRO-W, RR



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-032D ;0209HP5 , $HC-8015-DRO-W, RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0039.RAW
Date & Time Acquired: 2/10/2022 1:57:43 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1055 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.254	.19	.176	92.73	-
*1-Chlorooctadecane	13.108	.19	.	.06	-
*#Triacontane	16.335	.19	.094	49.59	-

DRO Area:552482.5 DRO Amount: 1.602676E-02
TEH Area:1099621 TEH Amount: 3.189849E-02

ERH2519 (RHMW2254-01 Low Flow) Batch ID: 163616

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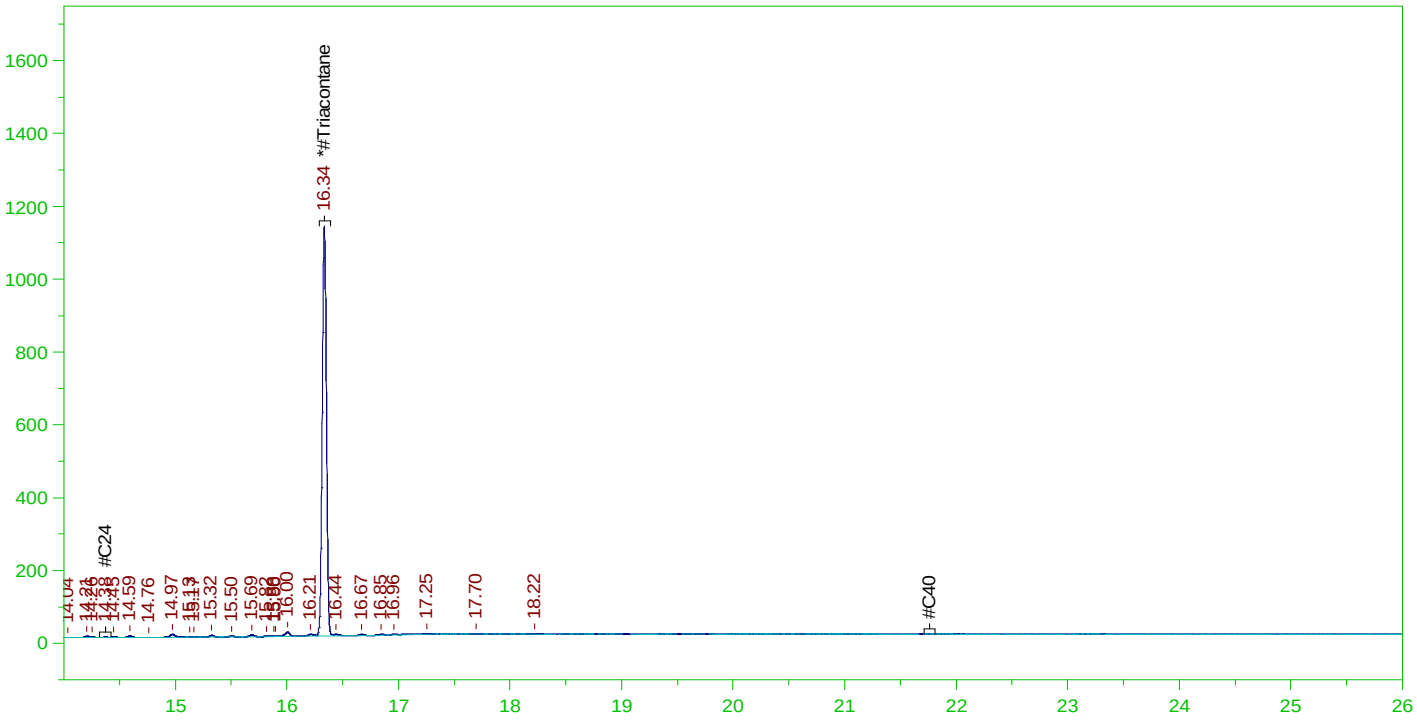

RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-032D ;0209HP5 , $HC-8015-DRO-W, RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0039.RAW
Date & Time Acquired: 2/10/2022 1:57:43 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1055 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.335	.474	.094	19.83	-

RRO Area:191151.8 RRO AMOUNT: 6.856748E-03

ERH2519 (RHMW2254-01 Low Flow) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0039.RAW B22020415-032D ;0209HP5 , $HC-8015-DRO-W, RR

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-032D ;0209HP5 , $HC-8015-DRO-W, RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0039.RAW
Date & Time Acquired: 2/10/2022 1:57:43 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1055 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.254	.19	.175	92.5	-
*1-Chlorooctadecane	13.108	.19	.	.02	-
*#Triacontane	16.335	.19	.093	49.23	-

DRO Area:385911.6 DRO Amount: 1.119477E-02
TEH Area:1848710 TEH Amount: 5.362855E-02

ERH2512 (RHMW19) Batch ID: 163616

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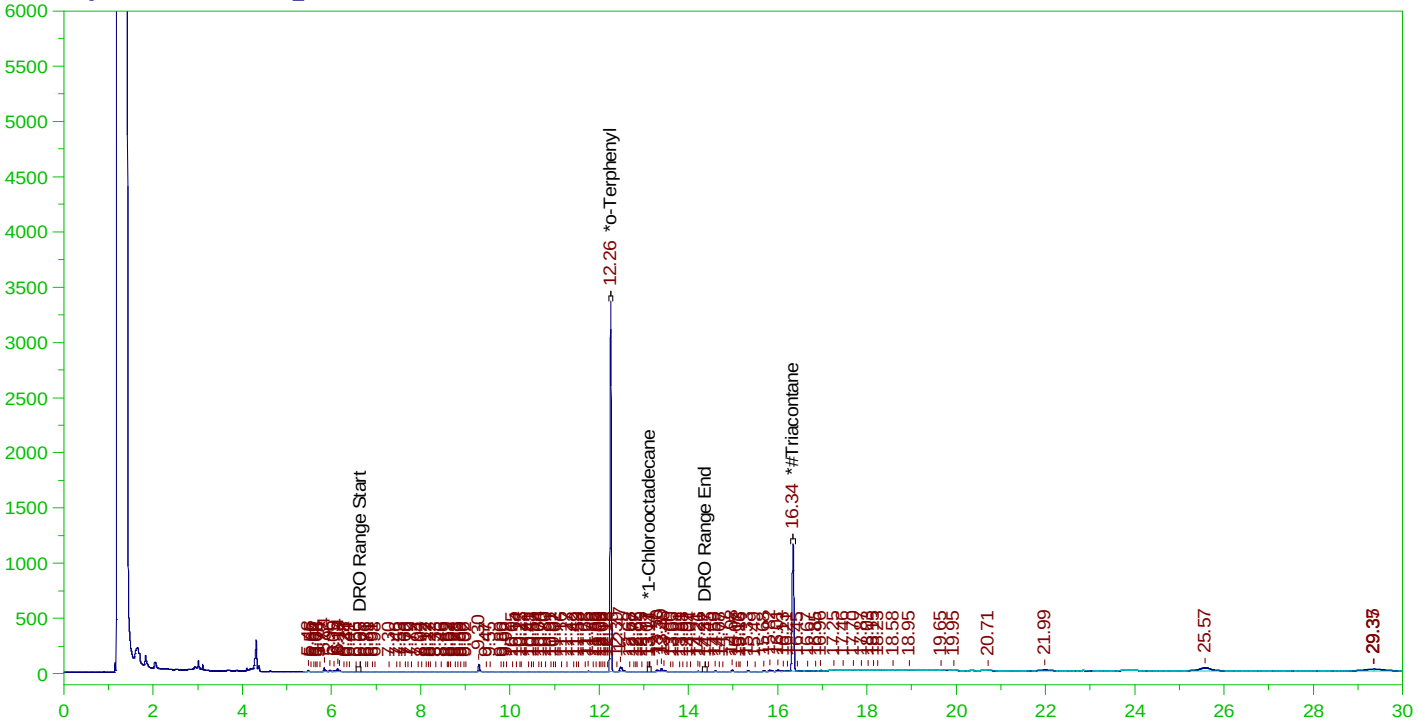

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-022D ;0209HP5 , $HC-8015-DRO-W, RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0040.RAW
Date & Time Acquired: 2/10/2022 2:40:33 PM
Method File: G:\Org\HP5\Methods\DR_8015-020940-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.256	.189	.167	88.41	-
*1-Chlorooctadecane	13.113	.189	.	.02	-
*#Triacontane	16.339	.189	.096	50.93	-

DRO Area:814494.2 DRO Amount: 2.351591E-02
TEH Area:2526302 TEH Amount: 7.293886E-02

ERH2512 (RHMW19) Batch ID: 163616

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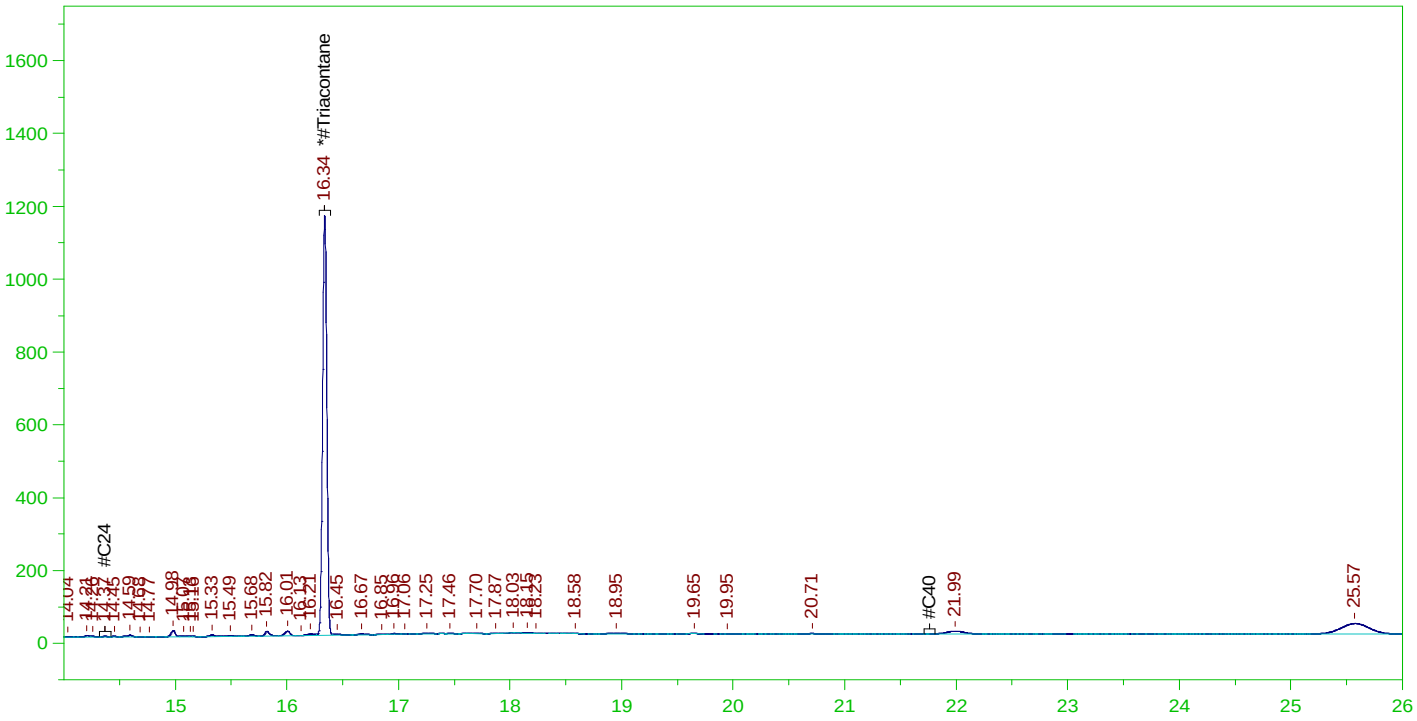

RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-022D ;0209HP5 , $HC-8015-DRO-W, RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0040.RAW
Date & Time Acquired: 2/10/2022 2:40:33 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.339	.472	.096	20.37	-

RRO Area:297873.4 RRO AMOUNT: 1.063453E-02

ERH2512 (RHMW19) Batch ID: 163616

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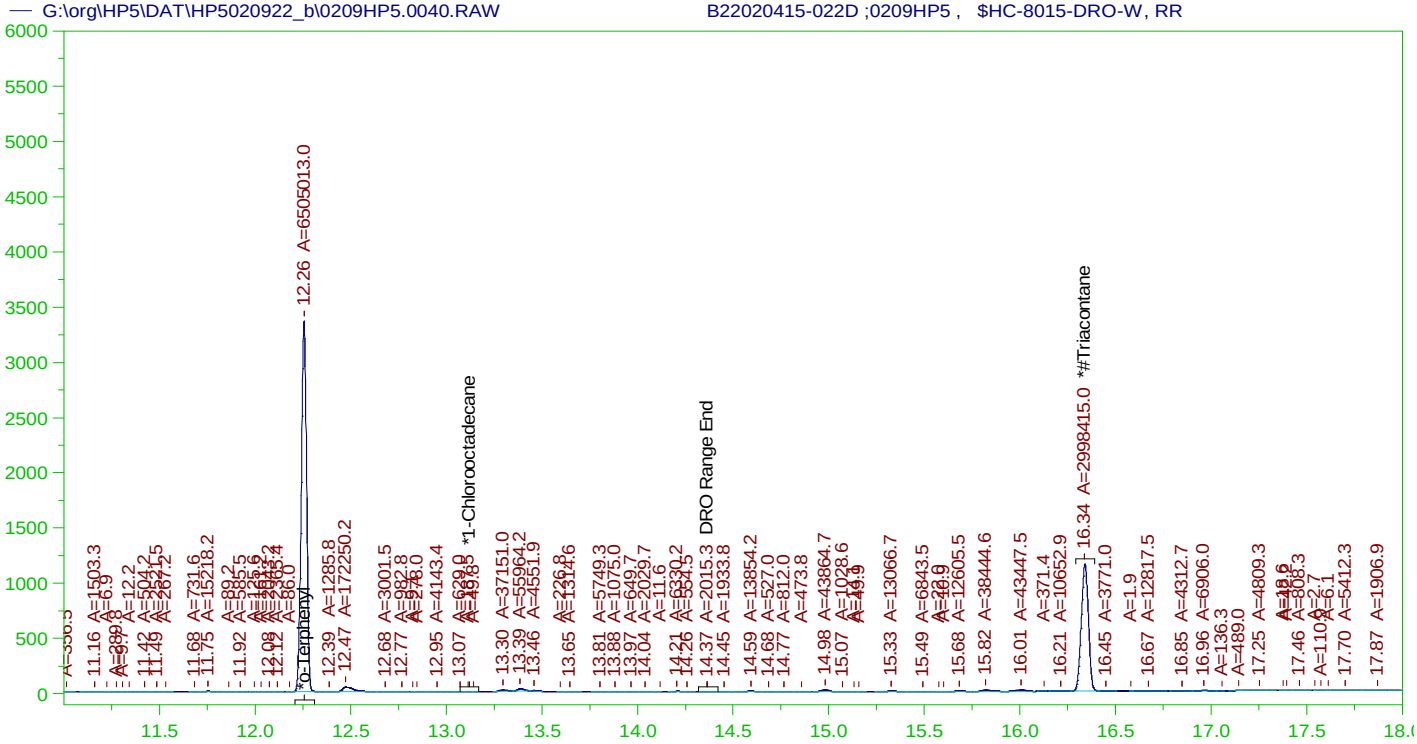
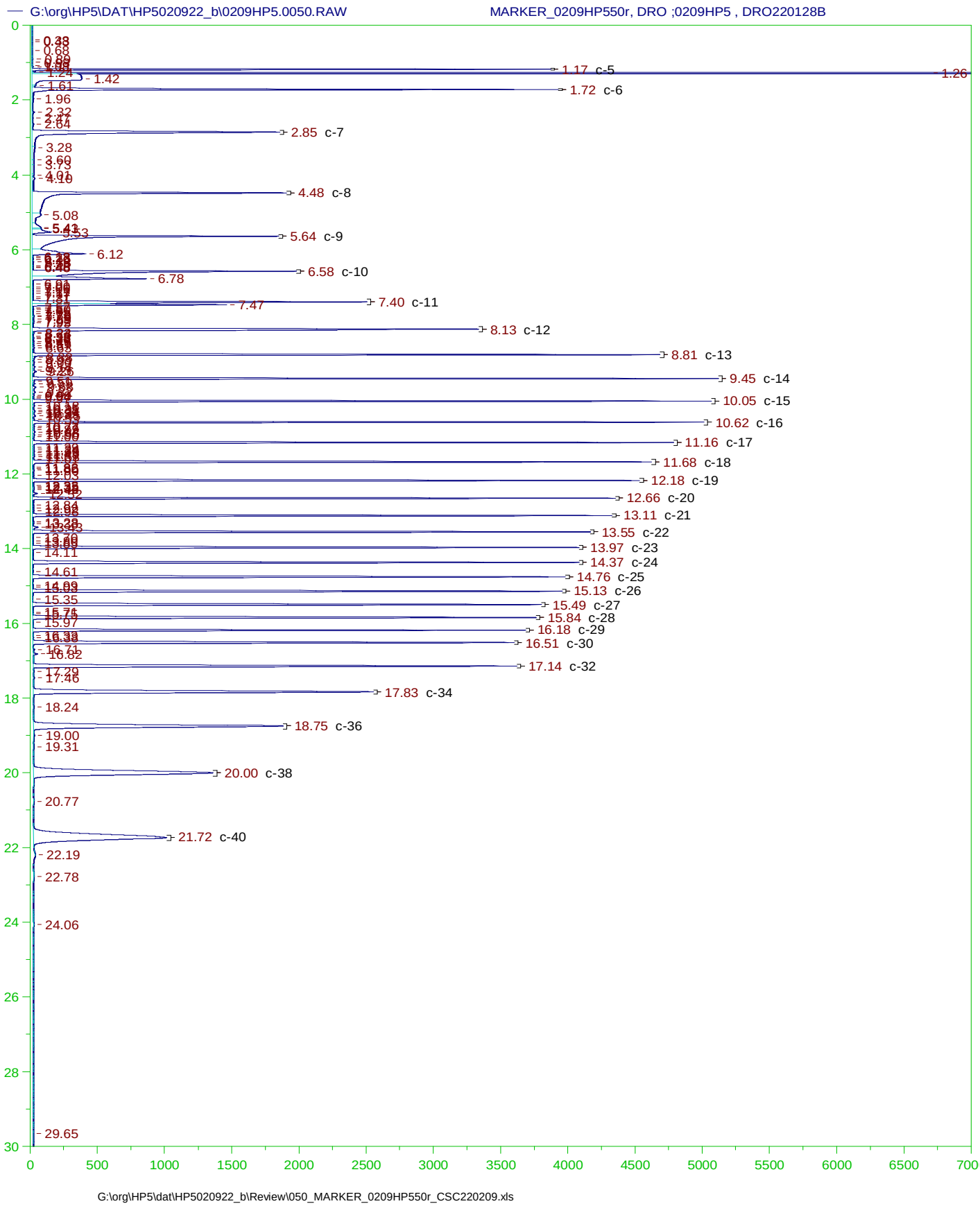


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: B22020415-022D ;0209HP5 , $HC-8015-DRO-W, RR
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0040.RAW
Date & Time Acquired: 2/10/2022 2:40:33 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.256	.189	.166	88.24	-
*1-Chlorooctadecane	29.981	.189	.	.	-
*#Triacontane	16.339	.189	.095	50.59	-

DRO Area:640434.8 DRO Amount: 0.0184905
TEH Area:3278213 TEH Amount: 9.464788E-02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MARKER_0209HP550r, DRO ;0209HP5 , DRO220128B
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1.26
1.42
1.72 c-6
2.85 c-7
4.48 c-8
5.64 c-9
6.12
6.58 c-10
6.78
7.40 c-11
7.47
8.13 c-12
8.81 c-13
9.45 c-14
10.05 c-15
10.62 c-16
11.16 c-17
11.68 c-18
12.18 c-19
12.66 c-20
13.11 c-21
13.55 c-22
13.97 c-23
14.37 c-24
14.76 c-25
15.13 c-26
15.49 c-27
15.84 c-28
16.18 c-29
16.51 c-30
17.14 c-32
17.83 c-34
18.75 c-36
20.00 c-38
21.72 c-40
29.65
0
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1000
1500
2000
2500
3000
3500
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6000
6500
700
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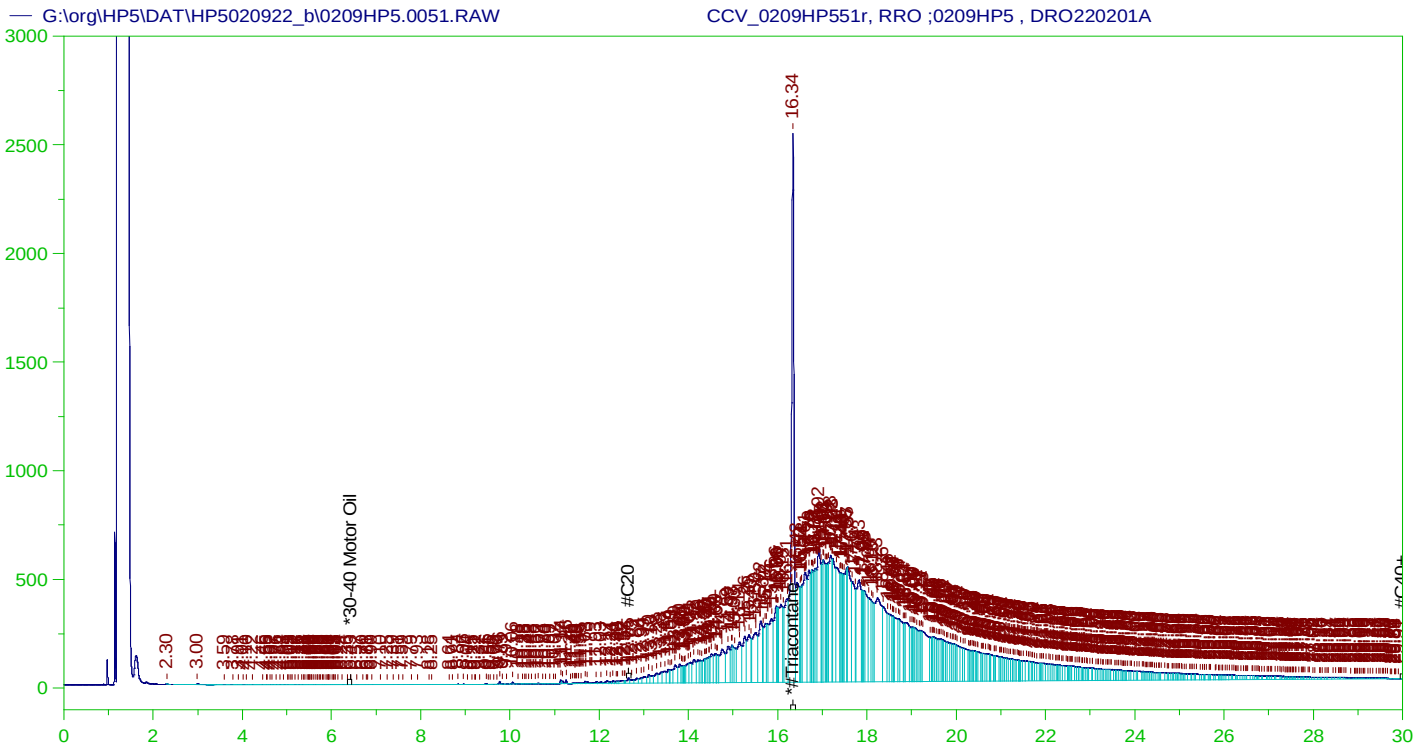

RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP551r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0051.RAW
Date & Time Acquired: 2/10/2022 10:33:12 PM
Method File: G:\Org\HP5\Methods\DC_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.336	500.	331.647	66.33	-

~~RRO~~ TEH(Oil Range) Area:1.357678E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 5137.941

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0051.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.038	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.336	200.	331.647	165.82	75-125

AMN 02/16/2022

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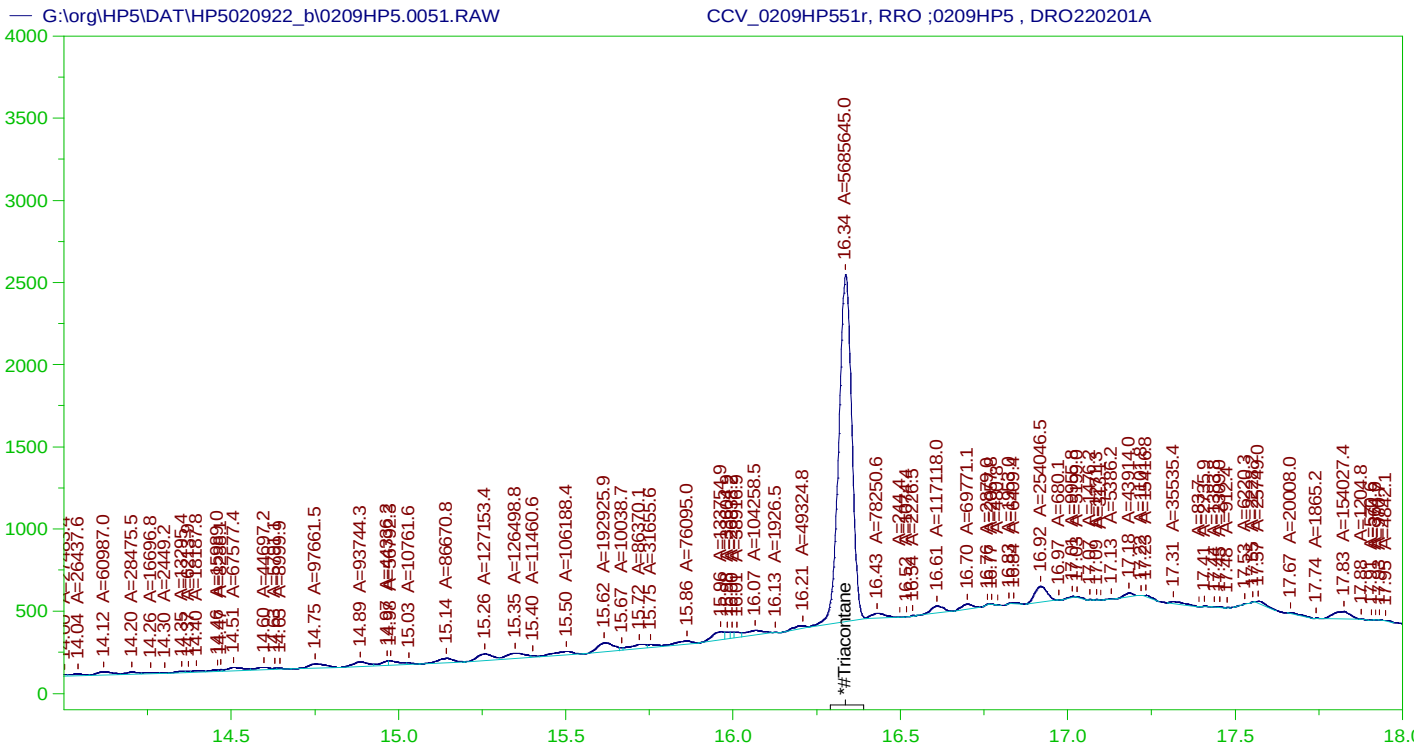


RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP551r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0051.RAW
Date & Time Acquired: 2/10/2022 10:33:12 PM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

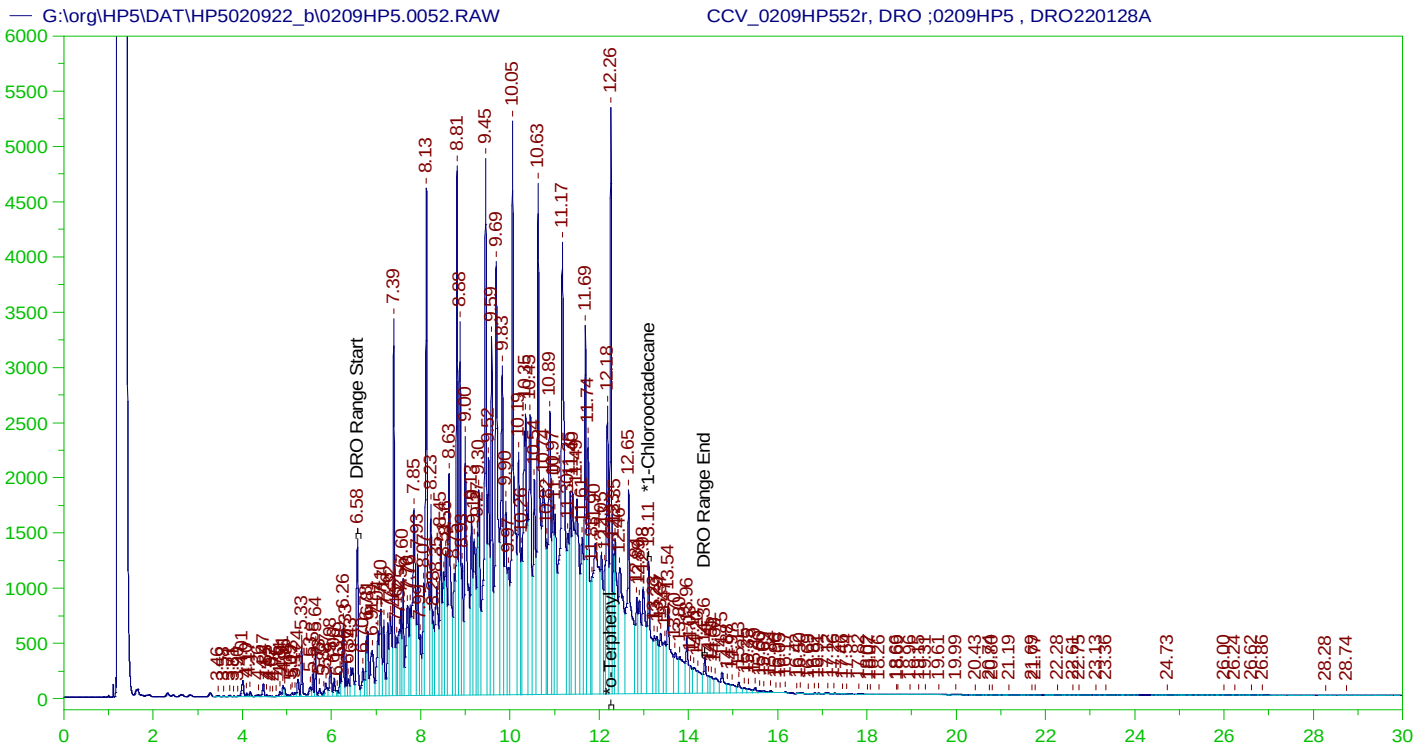
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.336	500.	191.849	38.37	-

RRO Area:3526682 RRO AMOUNT: 133.4623

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0051.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.038	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.336	200.	191.849	95.92	75-125



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP552r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0052.RAW
Date & Time Acquired: 2/10/2022 11:16:15 PM
Method File: G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.259	200.	354.498	177.25	-
*1-Chlorooctadecane	13.106	200.	167.868	83.93	-

DRO Area:5.121133E+08 DRO Amount: 15672.77
TEH Area:5.299557E+08 TEH Amount: 16218.82

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0052.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	16218.82	108.13	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.259	200.	354.498	177.25	85-115
*1-Chlorooctadecane	13.106	200.	167.868	83.93	85-115

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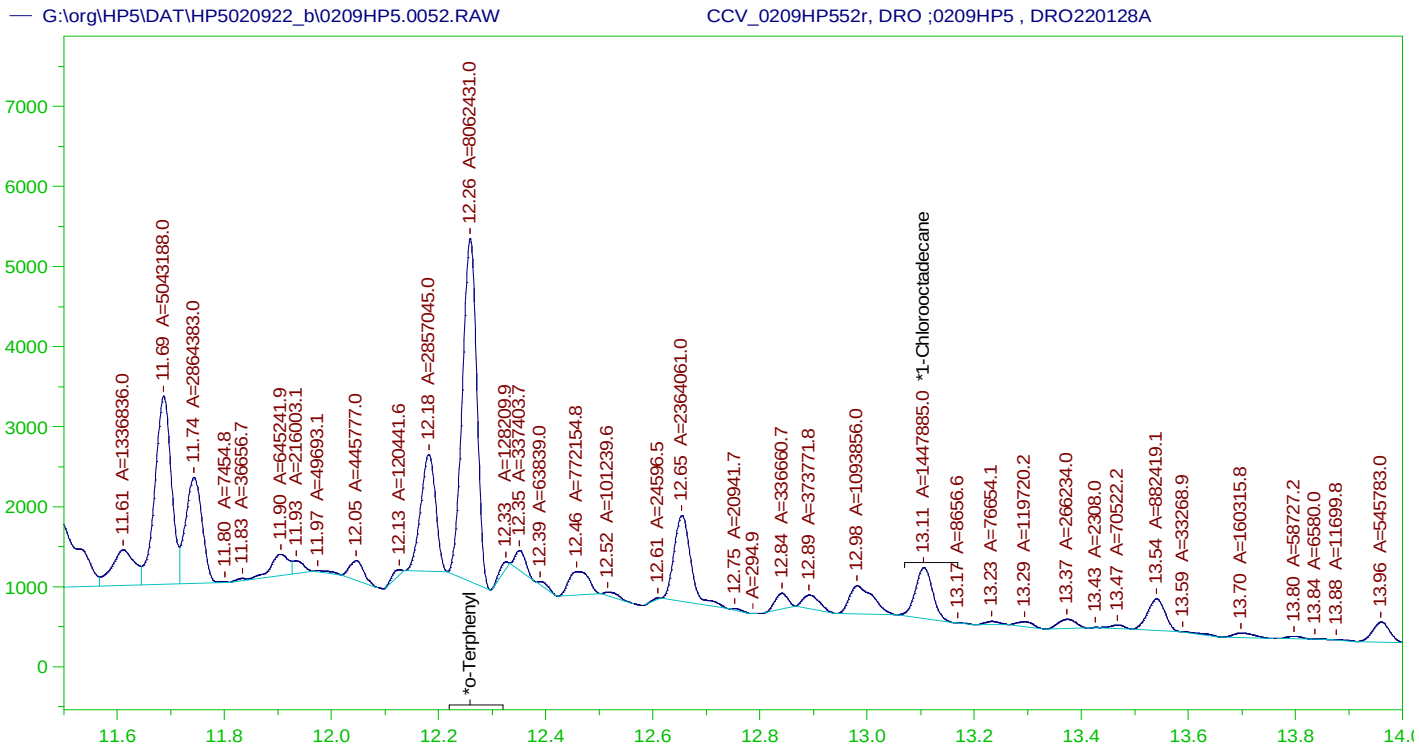


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP552r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0052.RAW
Date & Time Acquired: 2/10/2022 11:16:15 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

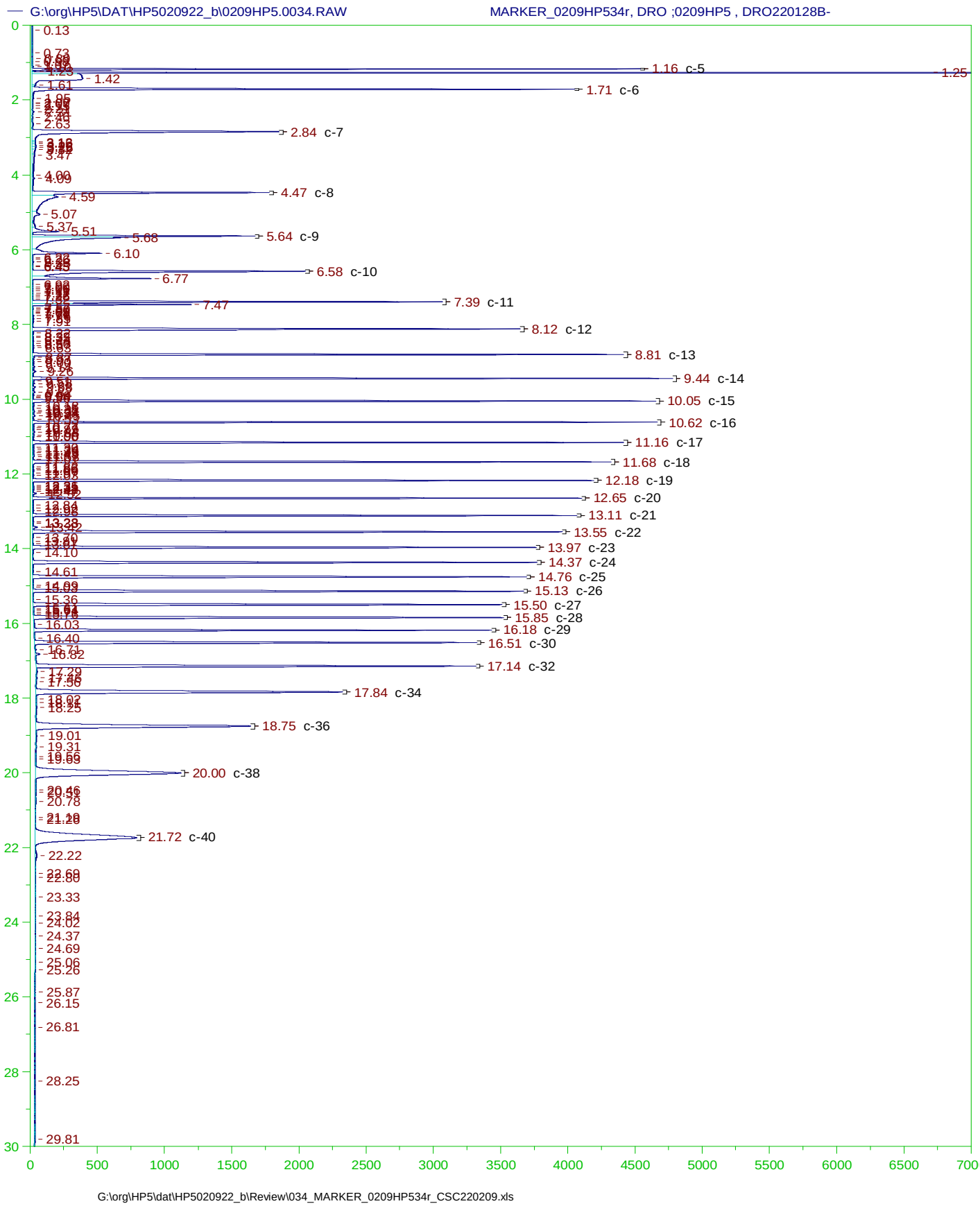
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.259	200.	218.744	109.37	-
*1-Chlorooctadecane	13.106	200.	39.283	19.64	-

DRO Area:2.635993E+08 DRO Amount: 8067.219
TEH Area:2.750295E+08 TEH Amount: 8417.03

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0052.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	8417.03	56.11	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.259	200.	218.744	109.37	85-115
*1-Chlorooctadecane	13.106	200.	39.283	19.64	85-115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1.71 c-6
2.84 c-7
4.47 c-8
5.64 c-9
6.58 c-10
7.39 c-11
8.12 c-12
8.81 c-13
9.44 c-14
10.05 c-15
10.62 c-16
11.16 c-17
11.68 c-18
12.18 c-19
12.65 c-20
13.11 c-21
13.55 c-22
13.97 c-23
14.37 c-24
14.76 c-25
15.13 c-26
15.50 c-27
15.85 c-28
16.18 c-29
16.51 c-30
17.14 c-32
17.84 c-34
18.75 c-36
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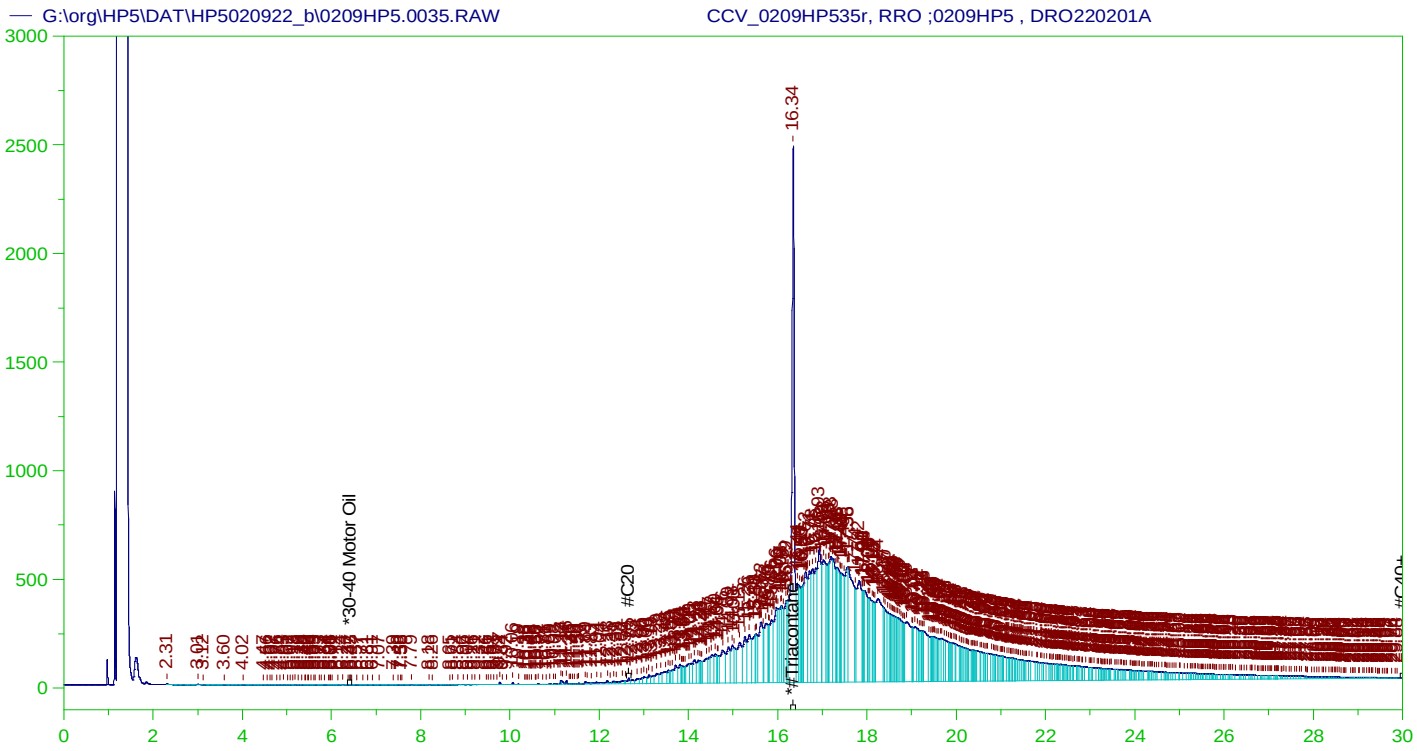


RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP535r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0035.RAW
Date & Time Acquired: 2/10/2022 11:06:52 AM
Method File: G:\Org\HP5\Methods\DC_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.343	500.	331.188	66.24	-

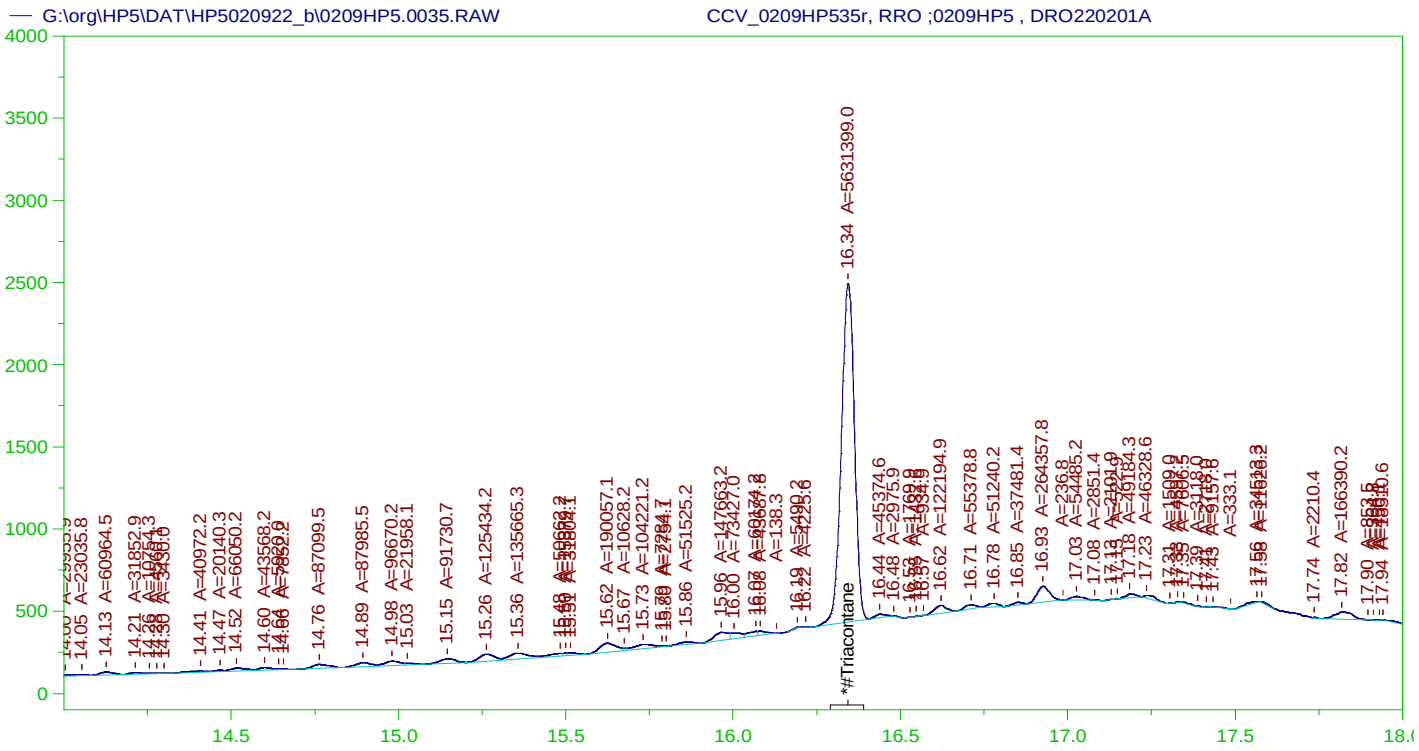
~~RRO~~ TEH(Oil Range) Area:1.364209E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 5162.656

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0035.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.031	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.343	200.	331.188	165.59	75-125

AMN 02/16/2022



RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP535r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0035.RAW
Date & Time Acquired: 2/10/2022 11:06:52 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

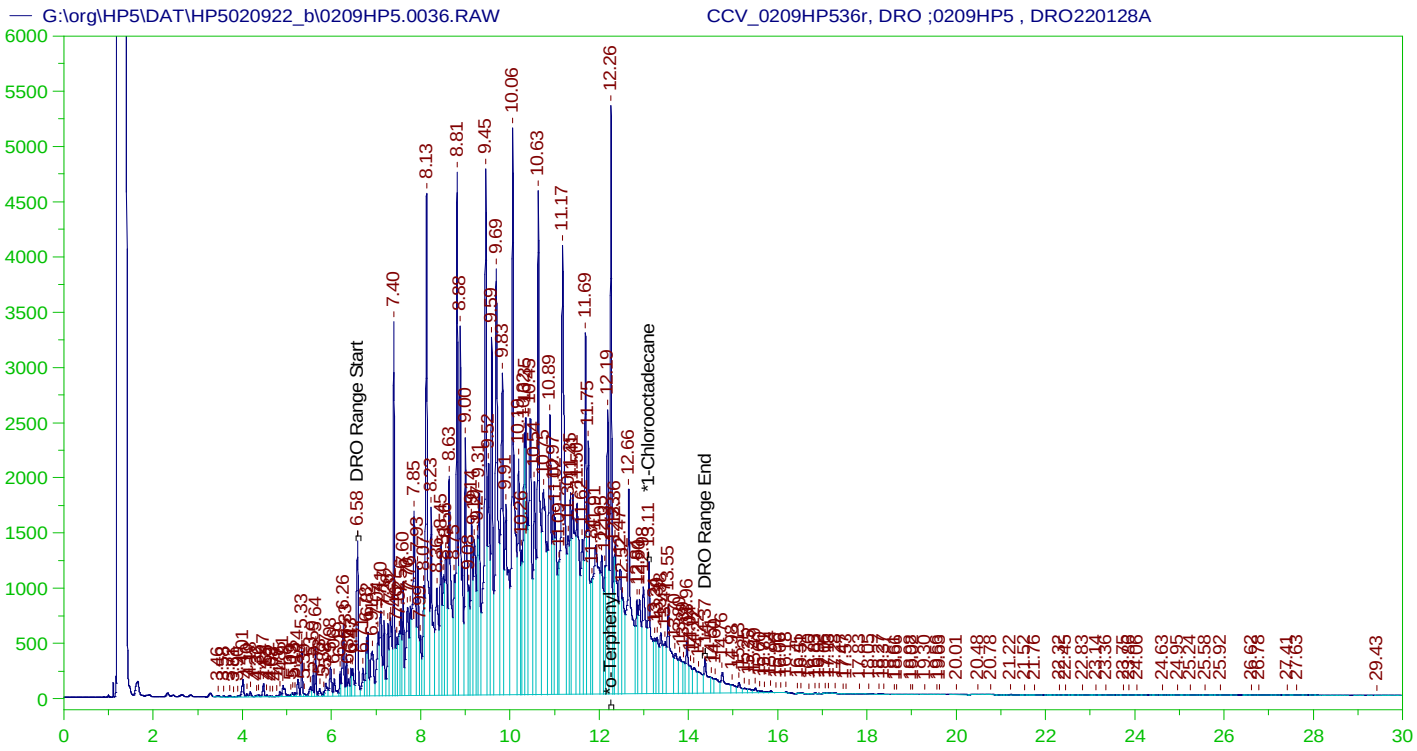
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.343	500.	190.018	38.	-

RRO Area:3538639 RRO AMOUNT: 133.9148

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0035.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.031	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.343	200.	190.018	95.01	75-125



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP536r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0036.RAW
Date & Time Acquired: 2/10/2022 11:49:29 AM
Method File: G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

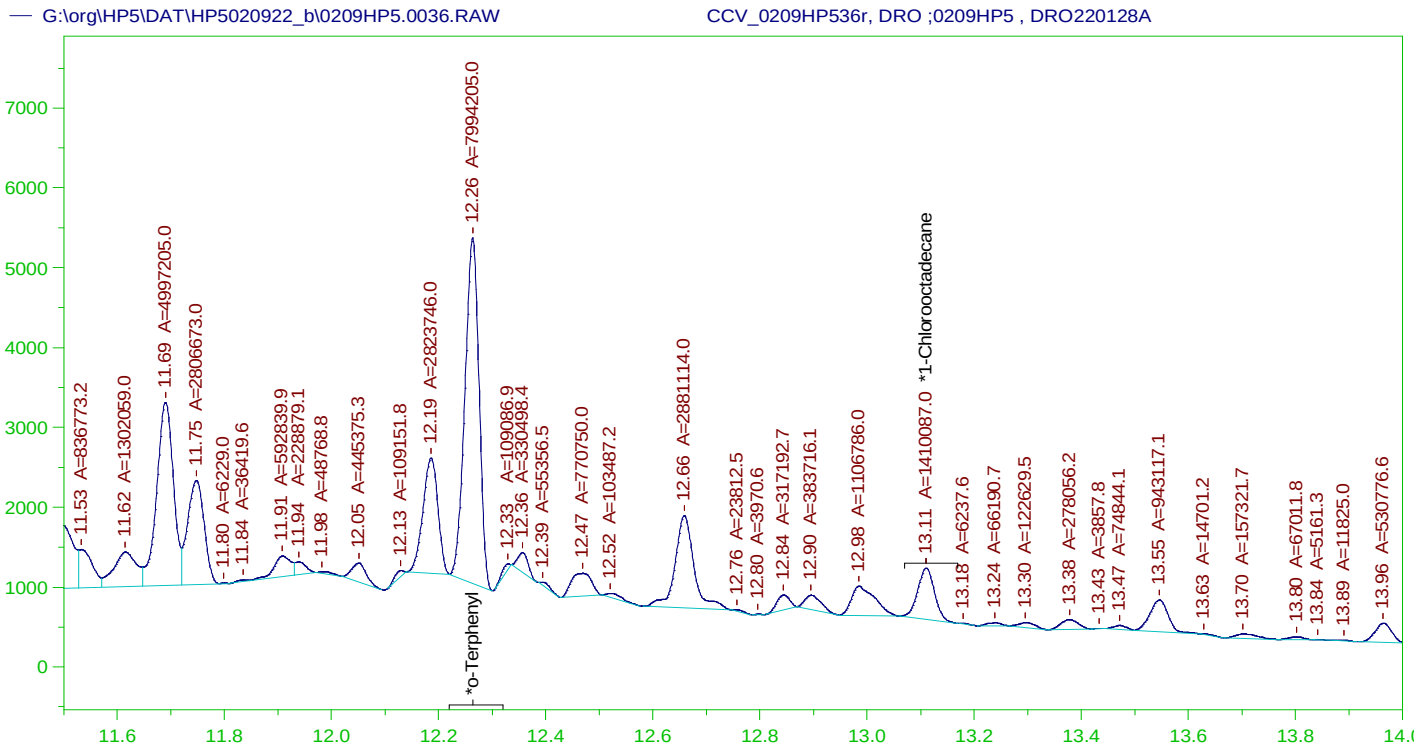
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.263	200.	350.528	175.26	-
*1-Chlorooctadecane	13.11	200.	164.307	82.15	-

DRO Area:5.058048E+08 DRO Amount: 15479.7
TEH Area:5.228659E+08 TEH Amount: 16001.84

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0036.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	16001.84	106.68	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.263	200.	350.528	175.26	85-115
*1-Chlorooctadecane	13.11	200.	164.307	82.15	85-115



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP536r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0036.RAW
Date & Time Acquired: 2/10/2022 11:49:29 AM
Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.263	200.	216.893	108.45	-
*1-Chlorooctadecane	13.11	200.	38.257	19.13	-

DRO Area:2.597507E+08 DRO Amount: 7949.436
TEH Area:2.710753E+08 TEH Amount: 8296.017

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0036.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	8296.02	55.31	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.263	200.	216.893	108.45	85-115
*1-Chlorooctadecane	13.11	200.	38.257	19.13	85-115

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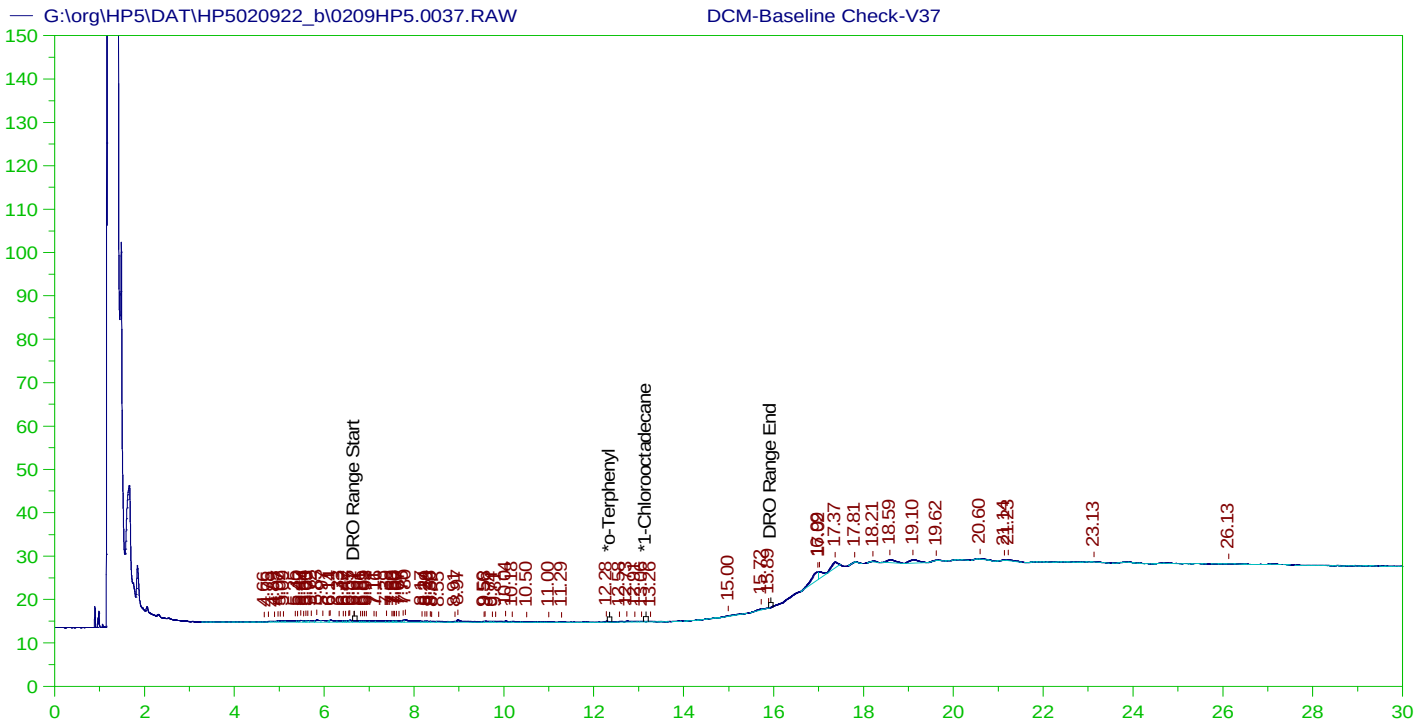
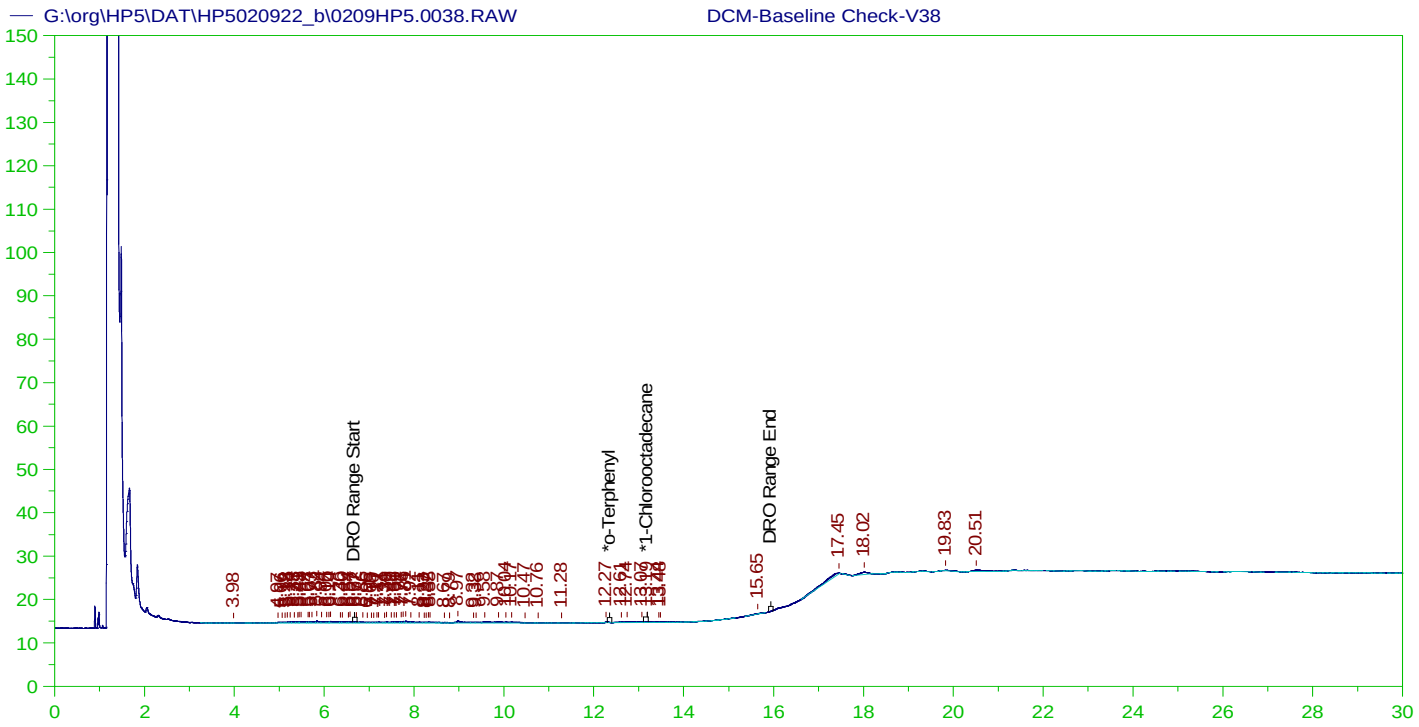


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V37
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0037.RAW
Date & Time Acquired: 2/10/2022 12:32:05 PM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.961	200.	.	.	-
*1-Chlorooctadecane	29.961	200.	.	.	-

DRO Area:73495.36 DRO Amount: 2.249259
TEH Area:197981.2 TEH Amount: 6.059035



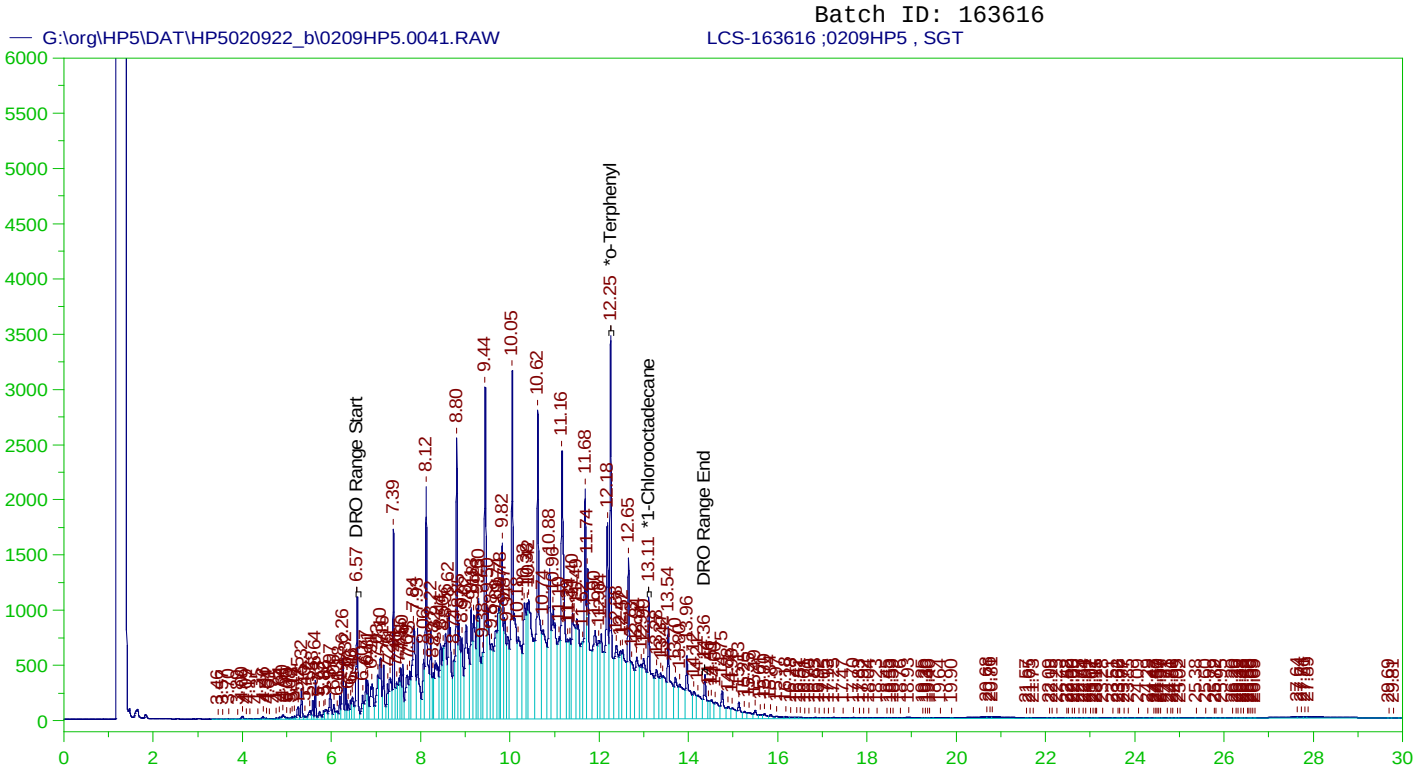
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V38
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0038.RAW
Date & Time Acquired: 2/10/2022 1:14:58 PM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
*o-Terphenyl	29.952	200.	.	-
*1-Chlorooctadecane	13.191	200.	.044	.02 -

DRO Area:68036.77 DRO Amount: 2.082204
TEH Area:142833.6 TEH Amount: 4.371294

Batch ID: 163616



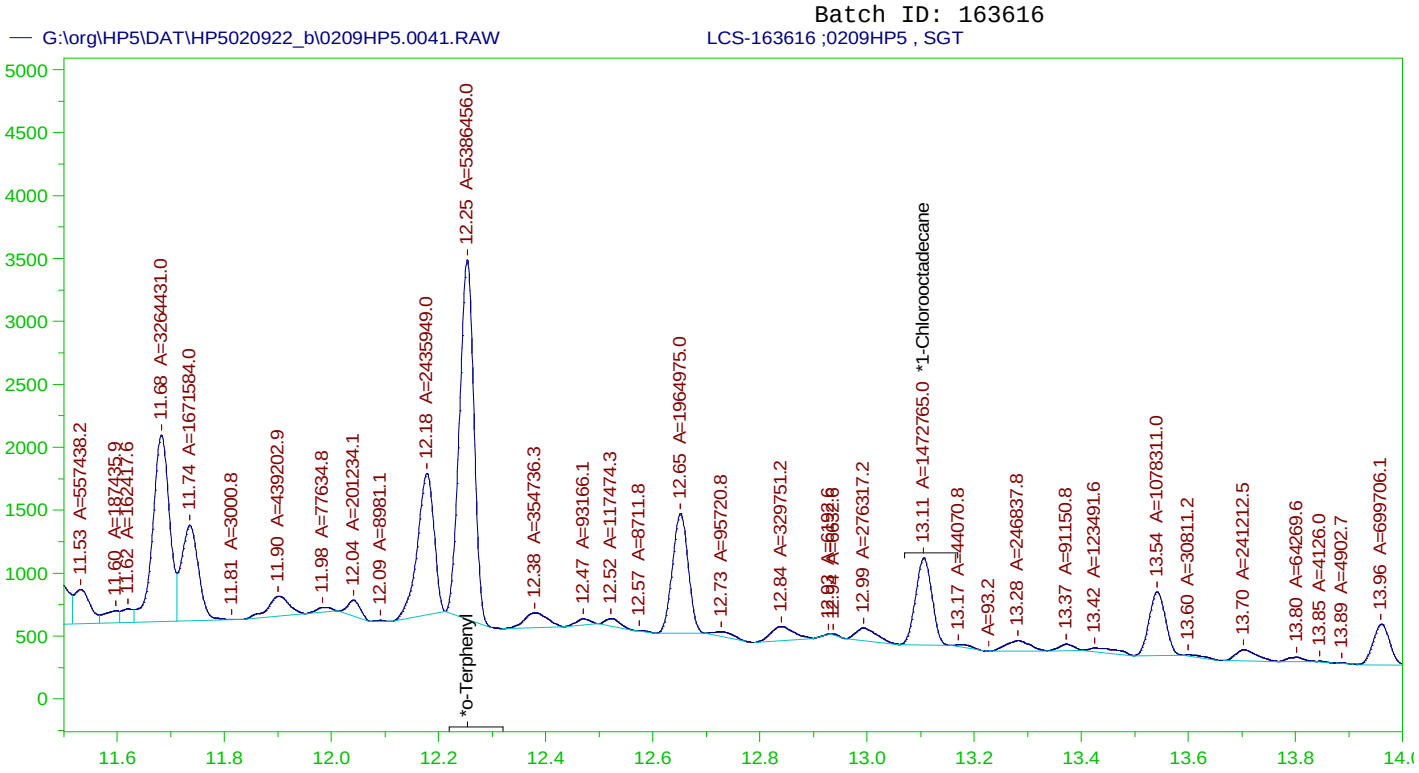
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: LCS-163616 ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0041.RAW
Date & Time Acquired: 2/10/2022 3:23:37 PM
Method File: G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.253	.2	.25	124.85	-
*1-Chlorooctadecane	13.106	.2	.146	72.87	-

DRO Area:2.915481E+08 DRO Amount: 8.922567
TEH Area:3.115232E+08 TEH Amount: 9.533887

Batch ID: 163616



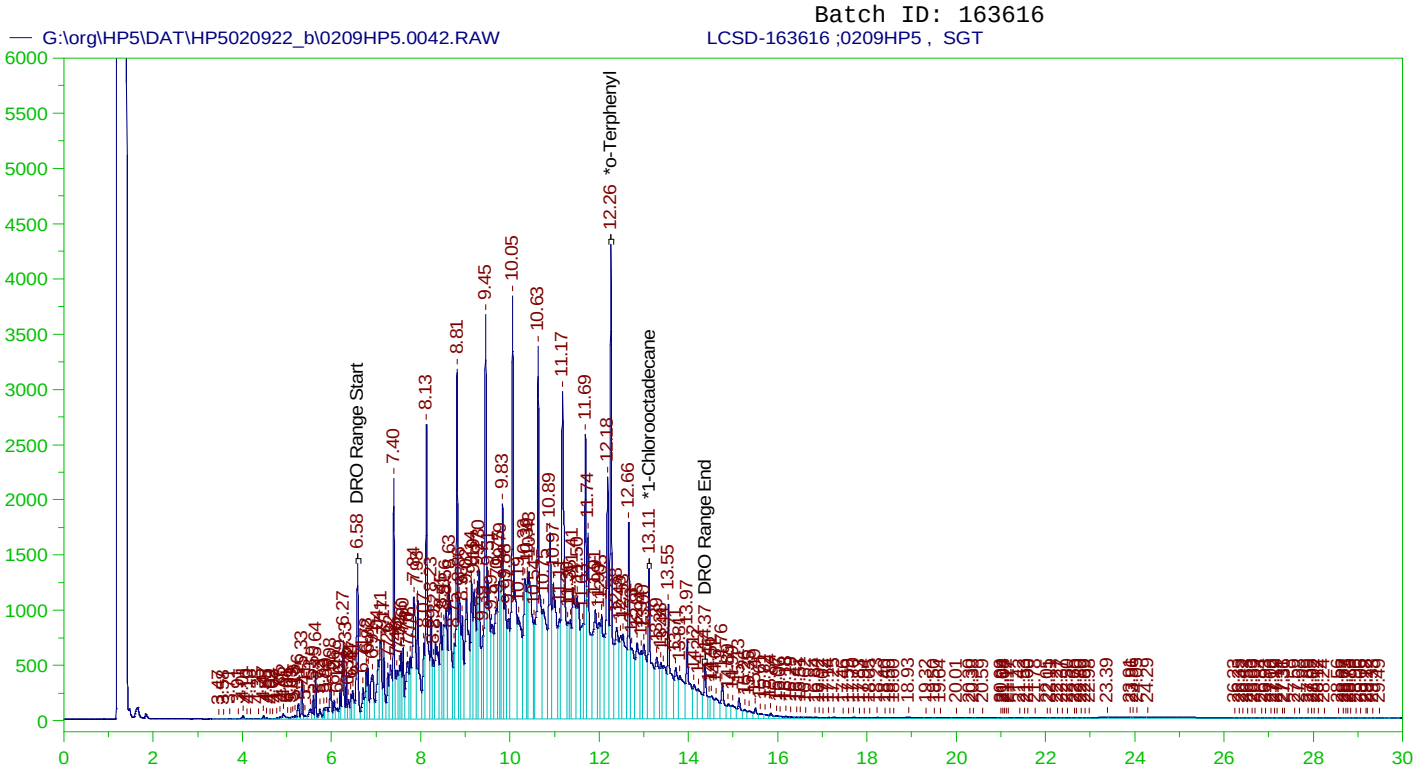
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: LCS-163616 ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0041.RAW
Date & Time Acquired: 2/10/2022 3:23:37 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.253	.2	.146	73.07	-
*1-Chlorooctadecane	13.106	.2	.04	19.98	-

DRO Area:1.344206E+08 DRO Amount: 4.113822
TEH Area:1.427952E+08 TEH Amount: 4.37012

Batch ID: 163616



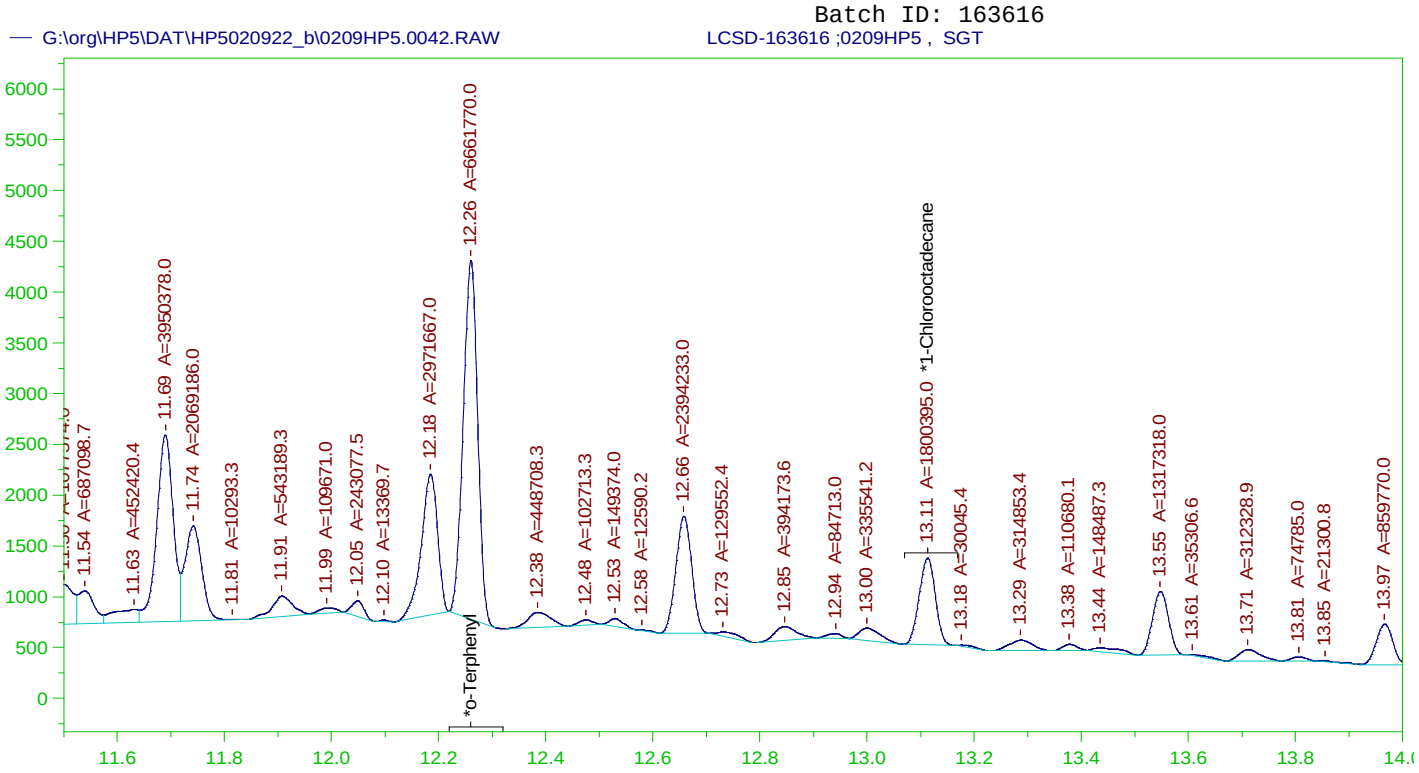
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: LCSD-163616 ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0042.RAW
Date & Time Acquired: 2/10/2022 4:06:16 PM
Method File: G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.26	.2	.309	154.71	-
*1-Chlorooctadecane	13.113	.2	.178	89.09	-

DRO Area:3.631965E+08 DRO Amount: 11.1153
TEH Area:3.867903E+08 TEH Amount: 11.83737

Batch ID: 163616



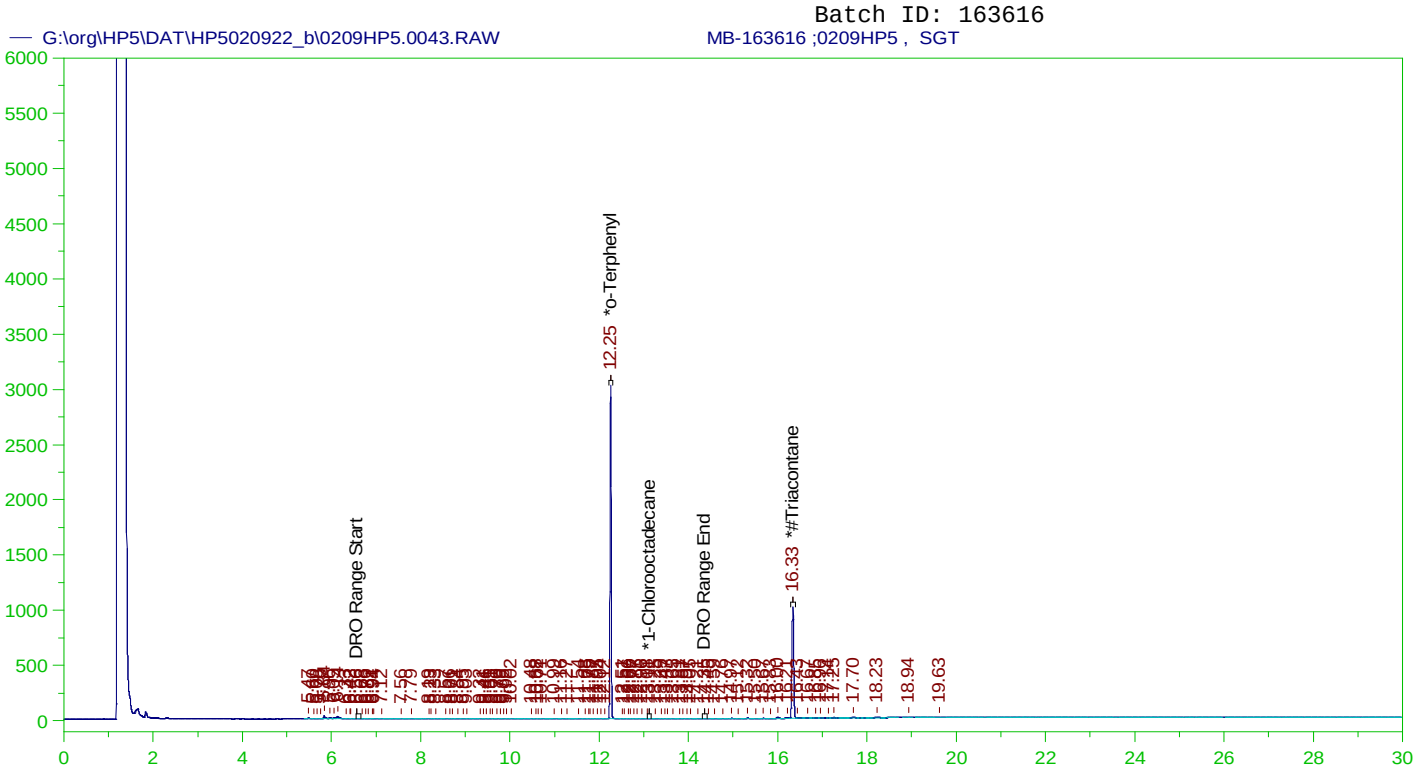
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: LCSD-163616 ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0042.RAW
Date & Time Acquired: 2/10/2022 4:06:16 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.26	.2	.181	90.37	-
*1-Chlorooctadecane	13.113	.2	.049	24.42	-

DRO Area:1.677141E+08 DRO Amount: 5.13274
TEH Area:1.781695E+08 TEH Amount: 5.452717

Batch ID: 163616

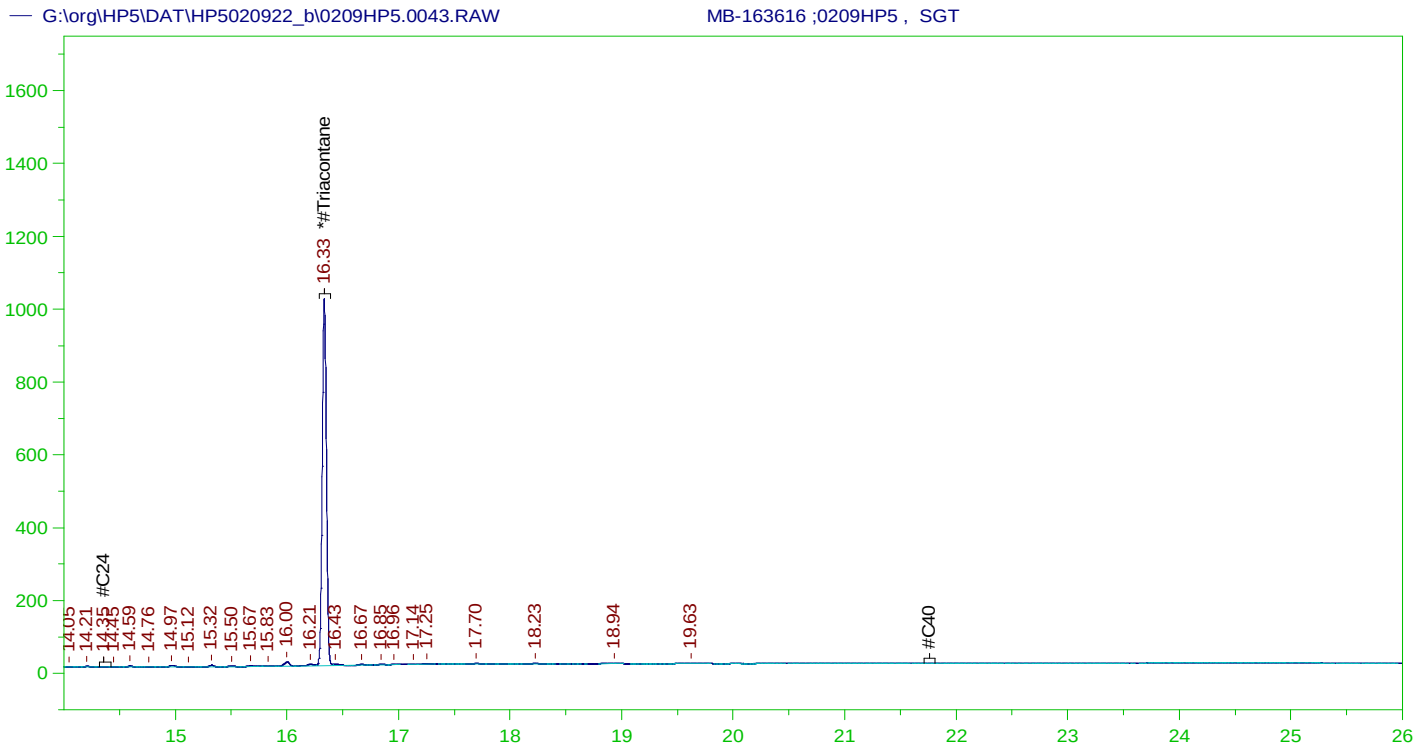


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: MB-163616 ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0043.RAW
Date & Time Acquired: 2/10/2022 4:48:52 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.254	.2	.159	79.57	-
*1-Chlorooctadecane	13.114	.2	.	.03	-
*#Triacontane	16.335	.2	.089	44.39	-

DRO Area:203624.2 DRO Amount: 6.231736E-03
TEH Area:679690.7 TEH Amount: 2.080132E-02

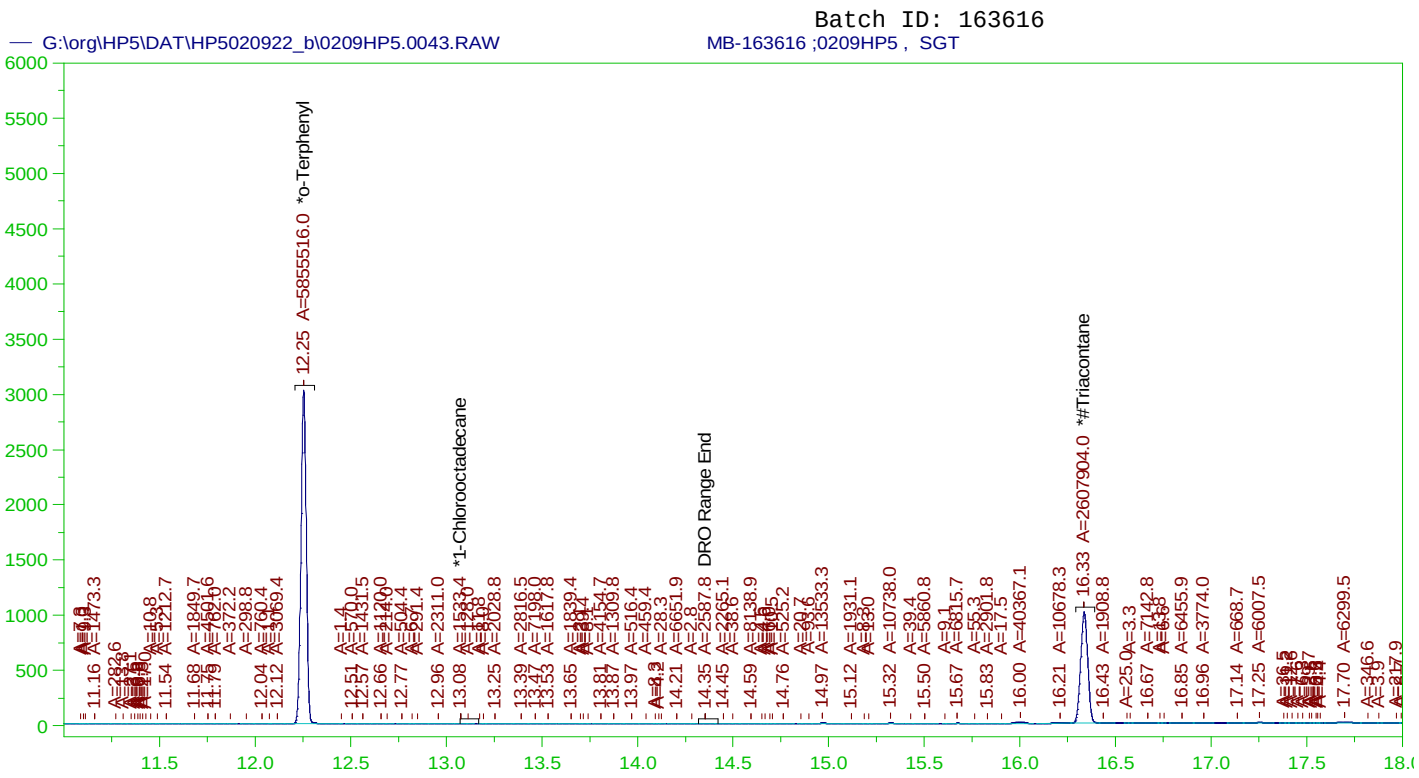


RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: MB-163616 ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0043.RAW
Date & Time Acquired: 2/10/2022 4:48:52 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.335	.5	.089	17.76	-

RRO Area:174426.8 RRO AMOUNT: 6.600935E-03



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: MB-163616 ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0043.RAW
Date & Time Acquired: 2/10/2022 4:48:52 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

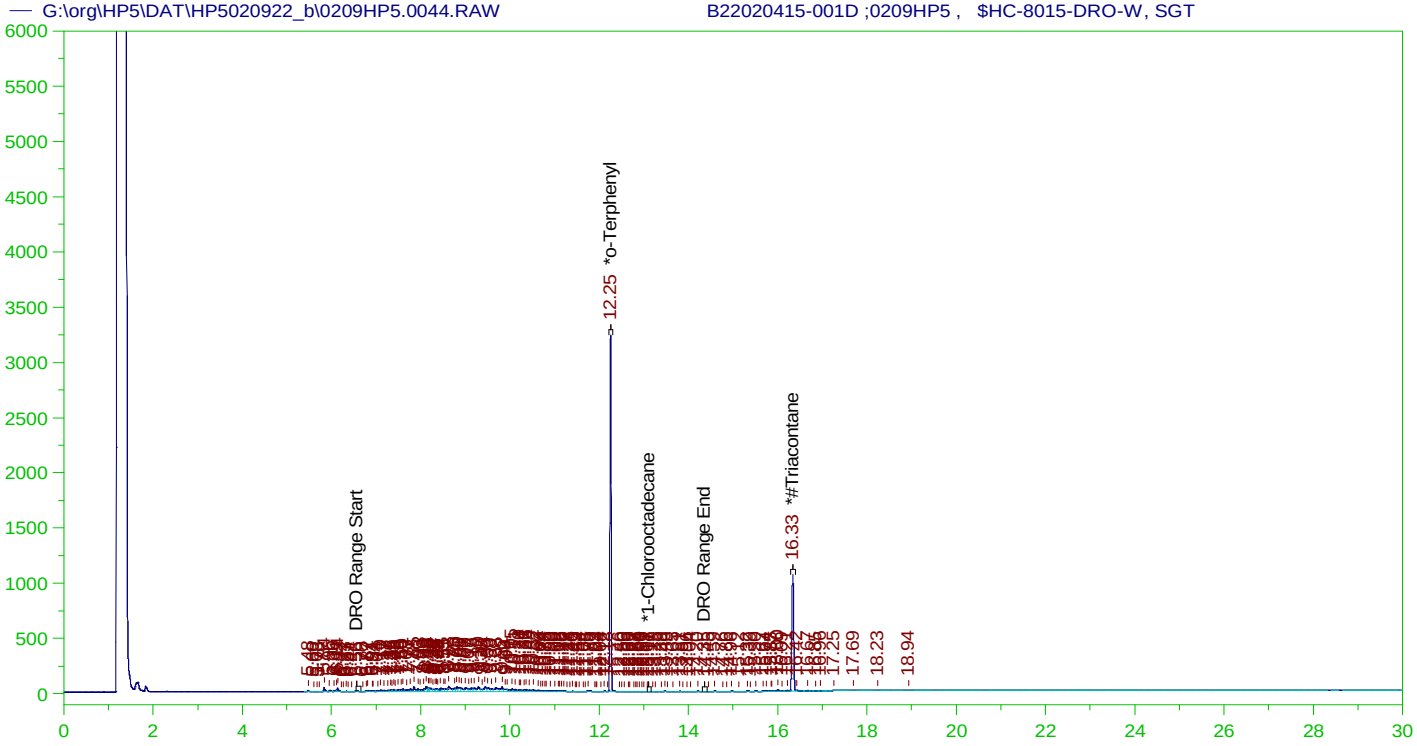
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.254	.2	.159	79.43	-
*1-Chlorooctadecane	13.076	.2	.	.02	-
*#Triacontane	16.335	.2	.088	44.	-

DRO Area:158542.3 DRO Amount: 4.852043E-03
TEH Area:659512.7 TEH Amount: 2.018379E-02

ERH2522 (Sump Adit 3) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0044.RAW B22020415-001D ;0209HP5 , $HC-8015-DRO-W, SGT



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-001D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0044.RAW
Date & Time Acquired: 2/10/2022 5:32:05 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.191	.163	85.23	-
*1-Chlorooctadecane	13.112	.191	.07		-
*#Triacontane	16.334	.191	.089	46.72	-

DRO Area:5587970 DRO Amount: 0.1636505
TEH Area:6130092 TEH Amount: 0.1795272

ERH2522 (Sump Adit 3) Batch ID: 163616

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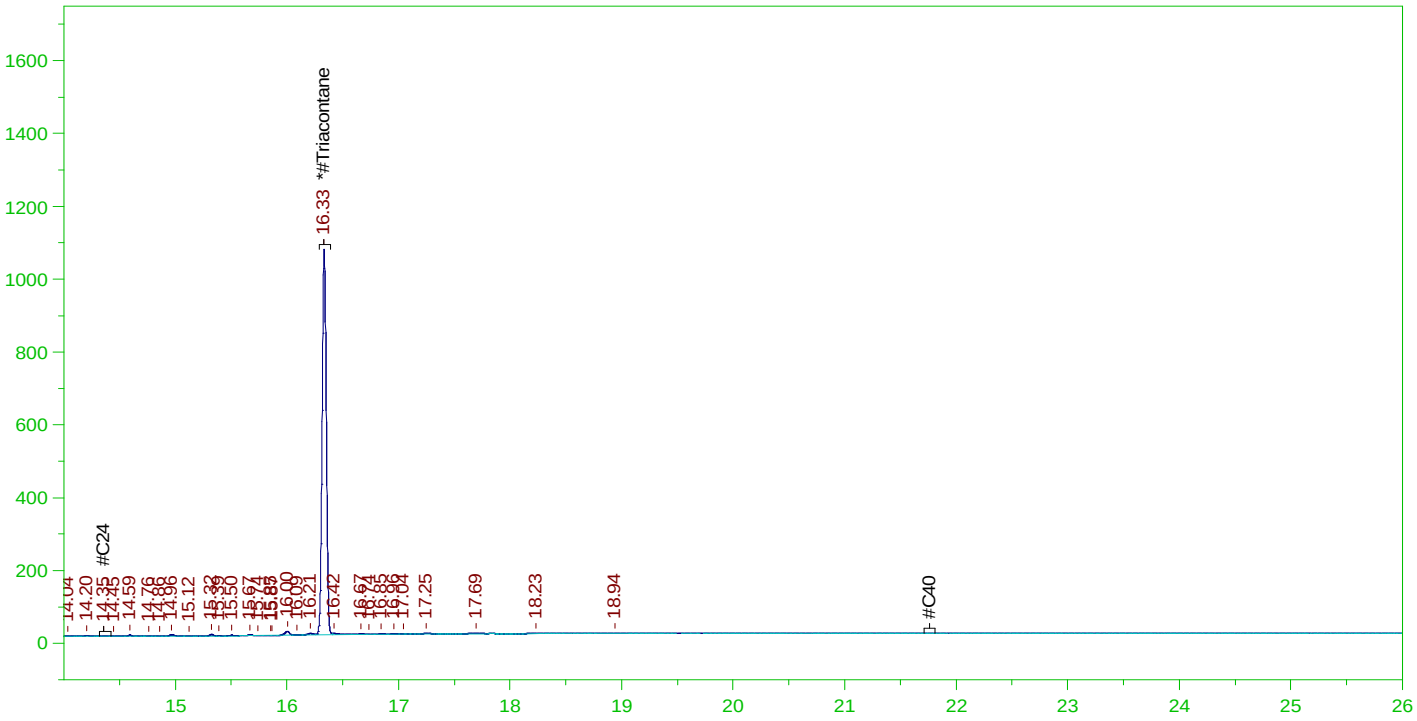


RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-001D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0044.RAW
Date & Time Acquired: 2/10/2022 5:32:05 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.334	.478	.089	18.69	-

RRO Area:186885.1 RRO AMOUNT: 6.767849E-03

ERH2522 (Sump Adit 3) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0044.RAW B22020415-001D ;0209HP5 , $HC-8015-DRO-W, SGT

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

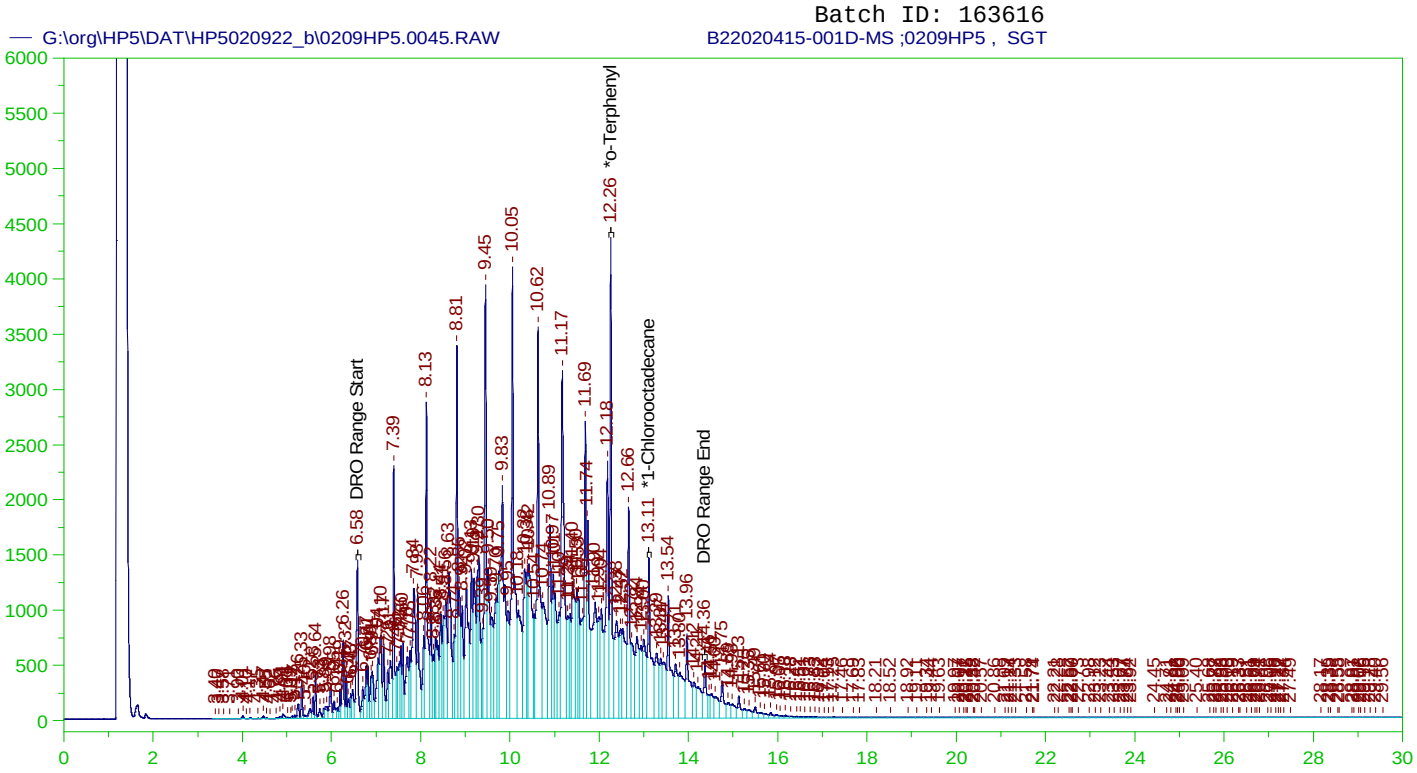
Sample Name: B22020415-001D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0044.RAW
Date & Time Acquired: 2/10/2022 5:32:05 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.191	.162	84.88	-
*1-Chlorooctadecane	13.112	.191	.	.01	-
*#Triacontane	16.334	.191	.089	46.28	-

DRO Area:4380243 DRO Amount: 0.1282808
TEH Area:4887682 TEH Amount: 0.1431417

Batch ID: 163616



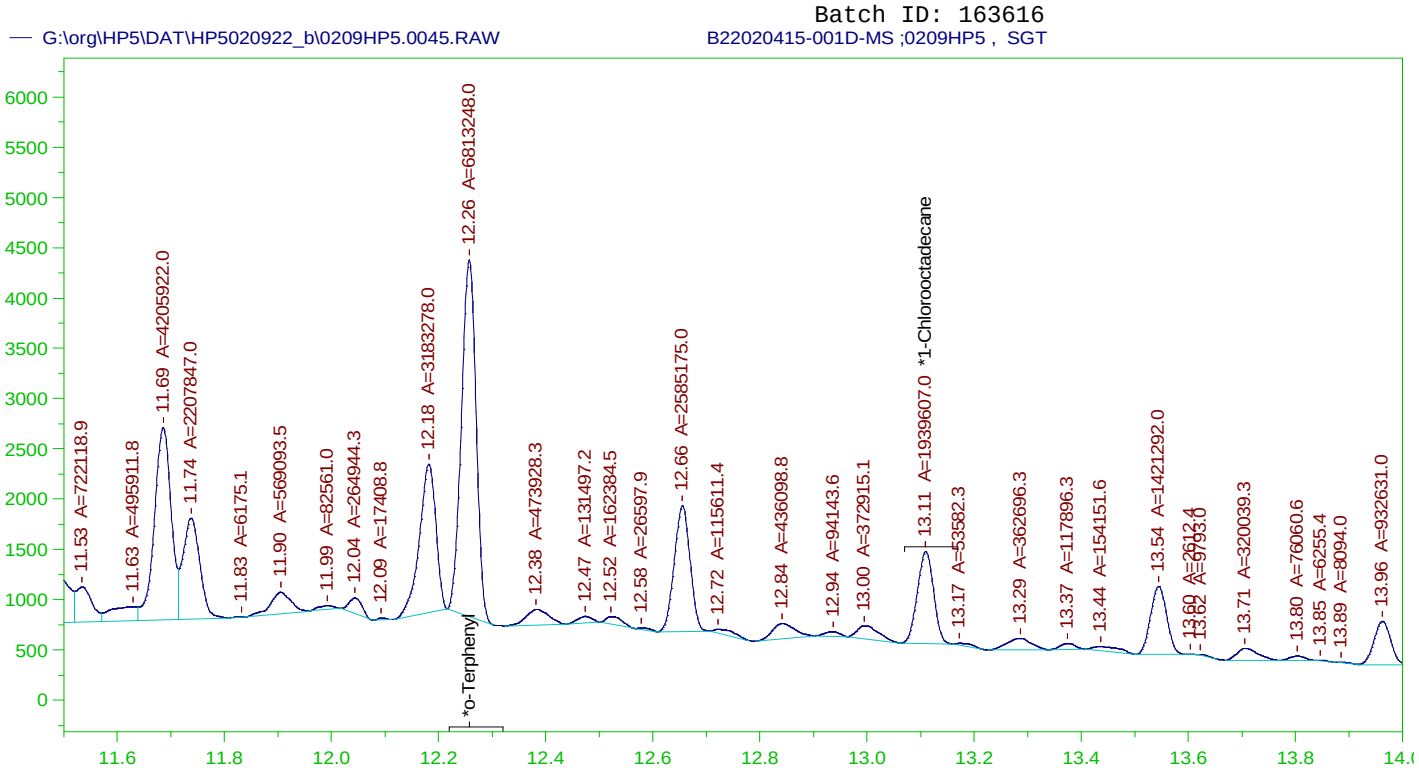
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: B22020415-001D-MS ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0045.RAW
Date & Time Acquired: 2/10/2022 6:15:13 PM
Method File: G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.257	.191	.31	162.12	-
*1-Chlorooctadecane	13.109	.191	.188	98.03	-

DRO Area:3.885417E+08 DRO Amount: 11.37892
TEH Area:4.132575E+08 TEH Amount: 12.10275

Batch ID: 163616

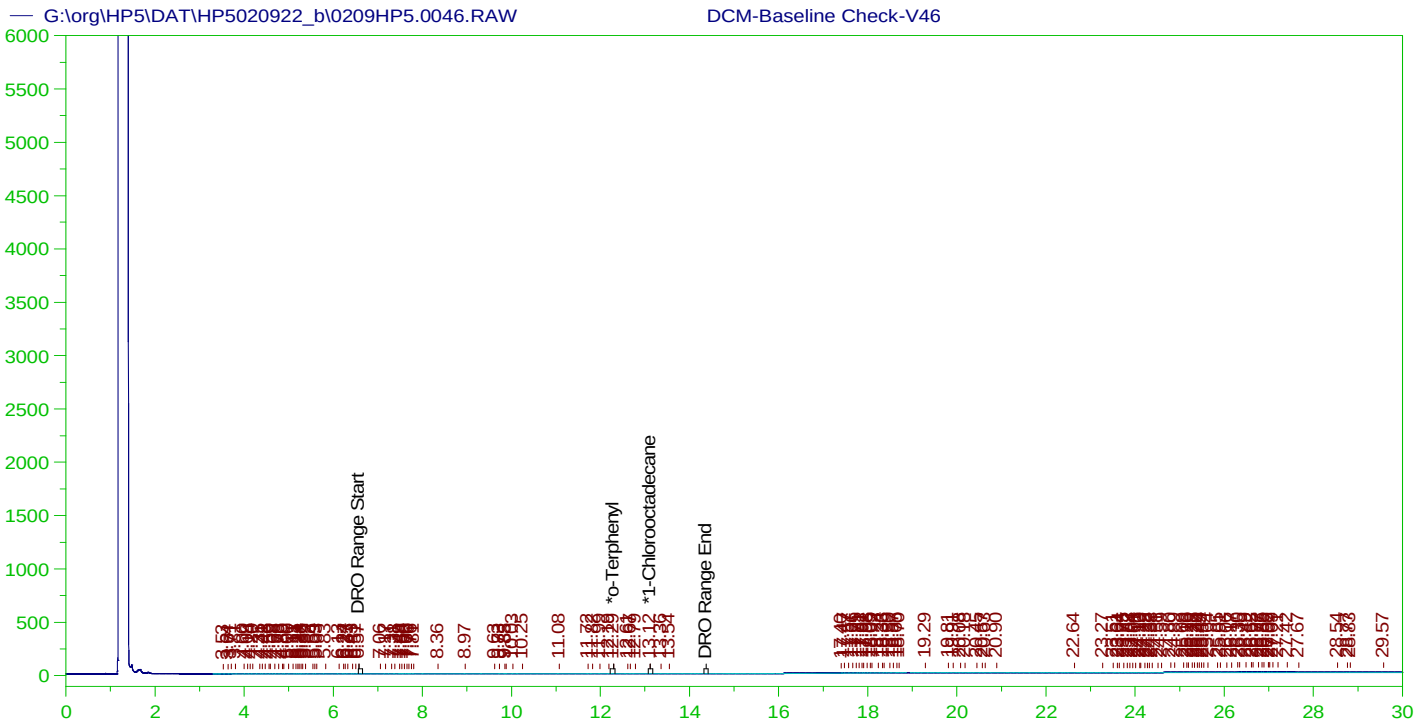


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: B22020415-001D-MS ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0045.RAW
Date & Time Acquired: 2/10/2022 6:15:13 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1045 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.257	.191	.177	92.43	-
*1-Chlorooctadecane	13.109	.191	.05	26.31	-

DRO Area:1.792556E+08 DRO Amount: 5.24972
TEH Area:1.898084E+08 TEH Amount: 5.558769



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V46
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0046.RAW
Date & Time Acquired: 2/10/2022 6:58:13 PM
Method File: G:\Org\HP5\Methods\D3_8015-C24-JE-L0.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

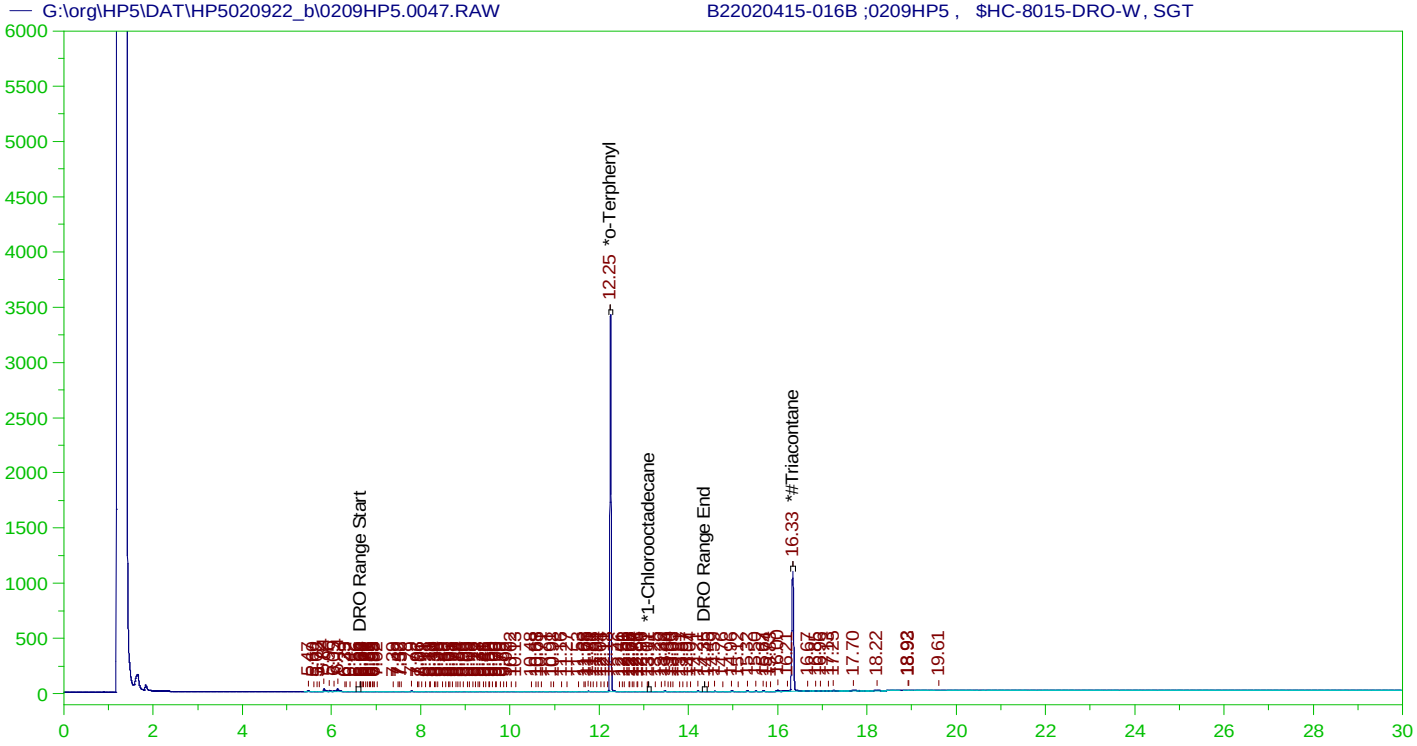
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.294	200.	.154	.08	-
*1-Chlorooctadecane	13.115	200.	.086	.04	-

DRO Area:342307.6 DRO Amount: 10.47602
TEH Area:1495771 TEH Amount: 45.77672

ERH2510 (OWDFMW08A) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0047.RAW B22020415-016B ;0209HP5 , $HC-8015-DRO-W, SGT



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-016B ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0047.RAW
Date & Time Acquired: 2/10/2022 7:41:09 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.251	.189	.168	88.92	-
*1-Chlorooctadecane	13.108	.189	.	.05	-
*#Triacontane	16.332	.189	.092	48.74	-

DRO Area:252327.7 DRO Amount: 7.285153E-03
TEH Area:734472.4 TEH Amount: 2.120554E-02

ERH2510 (OWDFMW08A) Batch ID: 163616

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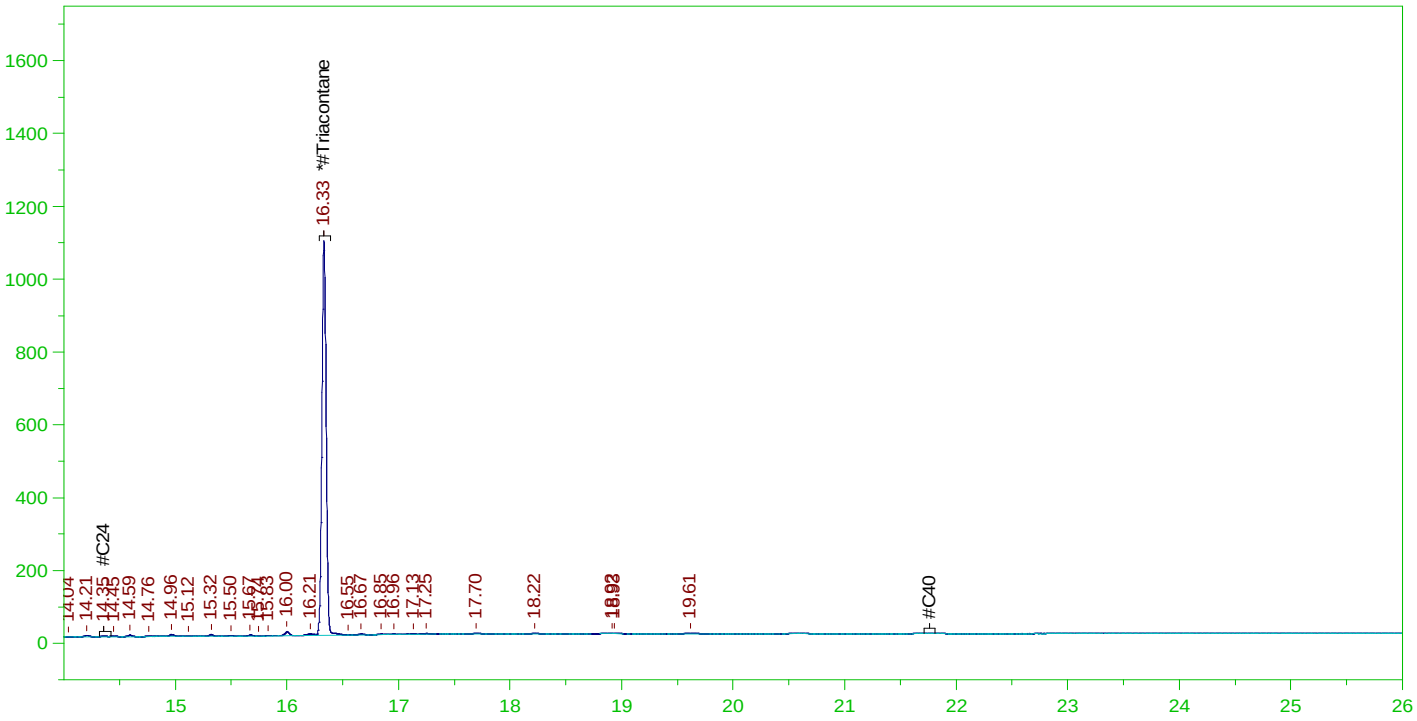

RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-016B ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0047.RAW
Date & Time Acquired: 2/10/2022 7:41:09 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.332	.472	.092	19.51	-

RRO Area:164043.6 RRO AMOUNT: 5.856604E-03

ERH2510 (OWDFMW08A) Batch ID: 163616

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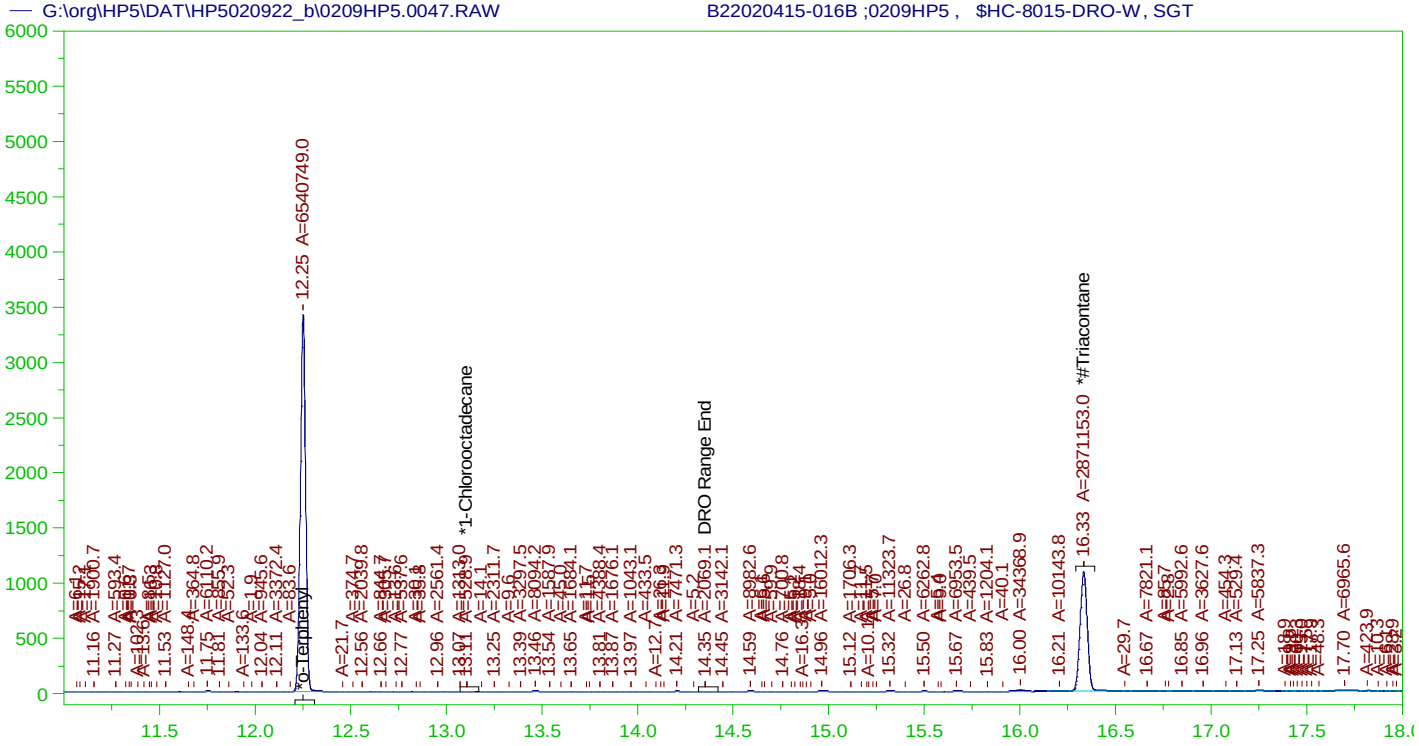


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-016B ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0047.RAW
Date & Time Acquired: 2/10/2022 7:41:09 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

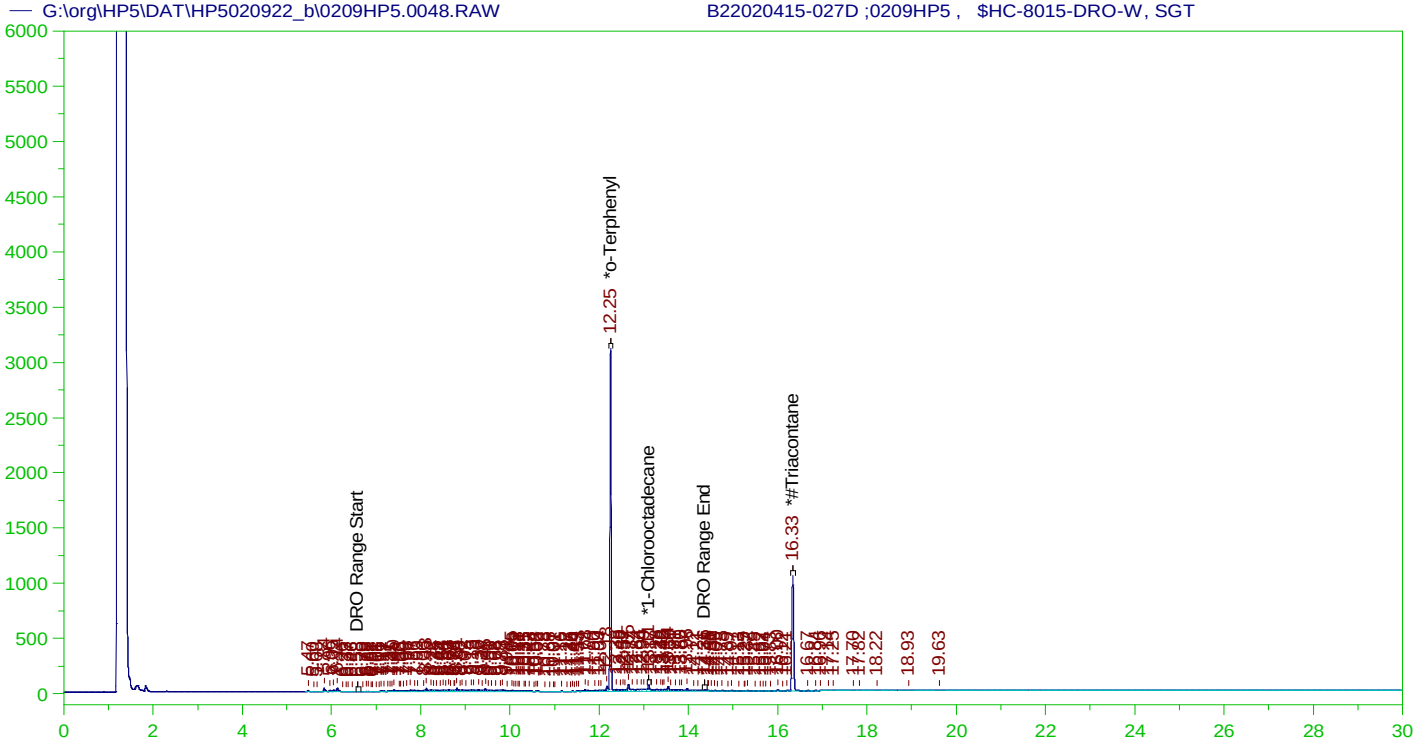
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.251	.189	.167	88.73	-
*1-Chlorooctadecane	13.108	.189	.	.01	-
*#Triacontane	16.332	.189	.091	48.44	-

DRO Area:212515.4 DRO Amount: 0.0061357
TEH Area:741029.8 TEH Amount: 2.139486E-02

ERH2516 (RHMW2254-01 Bailer) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0048.RAW B22020415-027D ;0209HP5 , $HC-8015-DRO-W, SGT



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-027D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0048.RAW
Date & Time Acquired: 2/10/2022 8:23:55 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

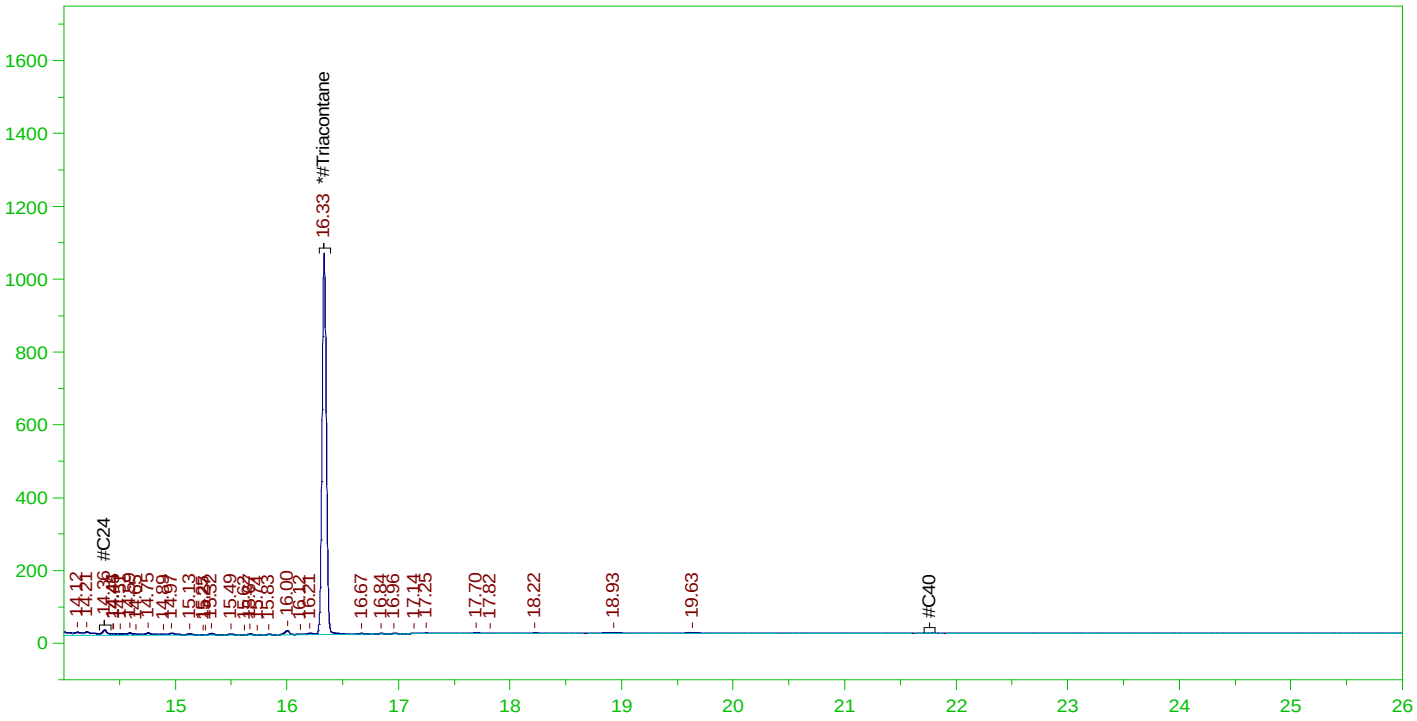
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.19	.156	81.87	-
*1-Chlorooctadecane	13.105	.19	.005	2.62	-
*#Triacontane	16.334	.19	.089	46.98	-

DRO Area:4291110 DRO Amount: 0.125072
TEH Area:4934664 TEH Amount: 0.1438295

ERH2516 (RHMW2254-01 Bailer) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0048.RAW B22020415-027D ;0209HP5 , $HC-8015-DRO-W, SGT



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-027D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0048.RAW
Date & Time Acquired: 2/10/2022 8:23:55 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.334	.476	.089	18.79	-

RRO Area:365926.6 RRO AMOUNT: 1.318855E-02

ERH2516 (RHMW2254-01 Bailer) Batch ID: 163616

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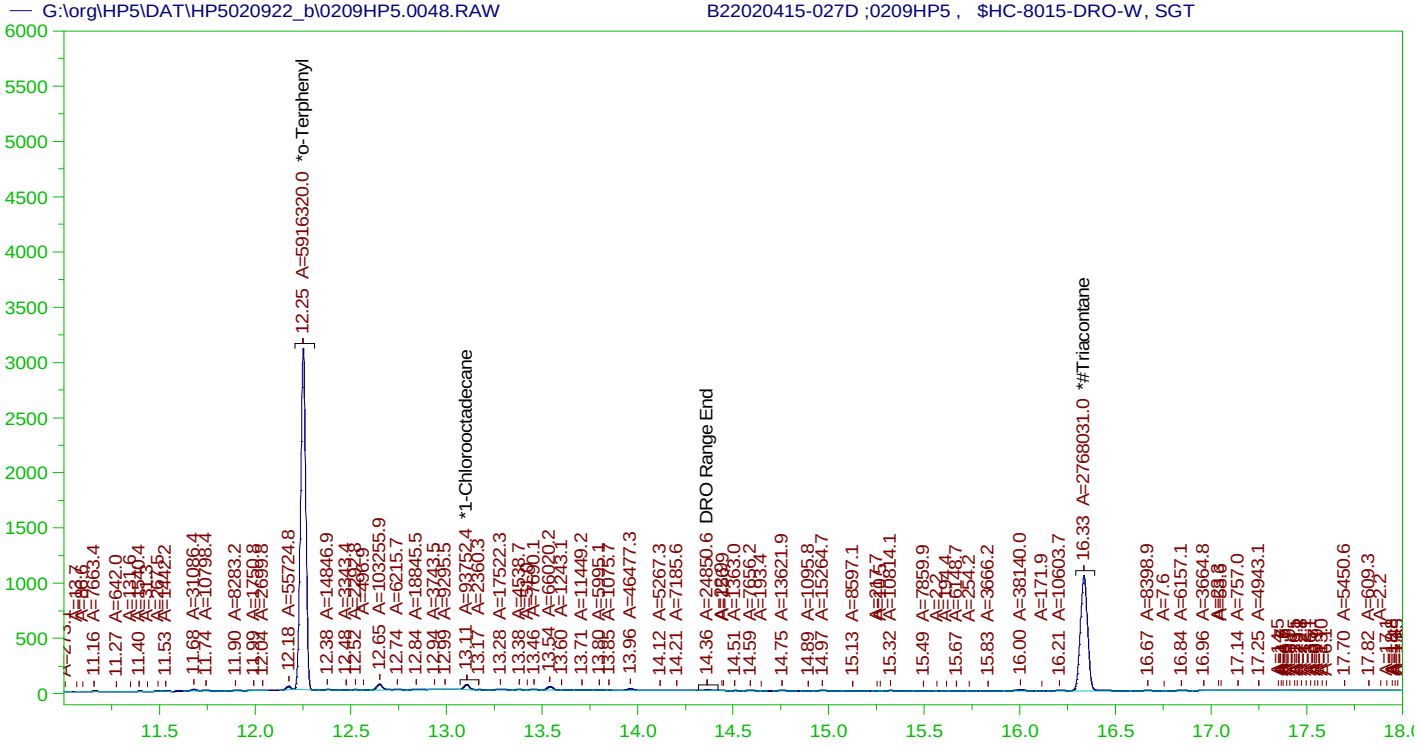

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-027D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0048.RAW
Date & Time Acquired: 2/10/2022 8:23:55 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1050 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.252	.19	.153	80.26	-
*1-Chlorooctadecane	13.105	.19	.002	1.27	-
*#Triacontane	16.334	.19	.089	46.7	-

DRO Area:2265487 DRO Amount: 0.0660316
TEH Area:2799728 TEH Amount: 8.160301E-02

ERH2512 (RHMW19) Batch ID: 163616

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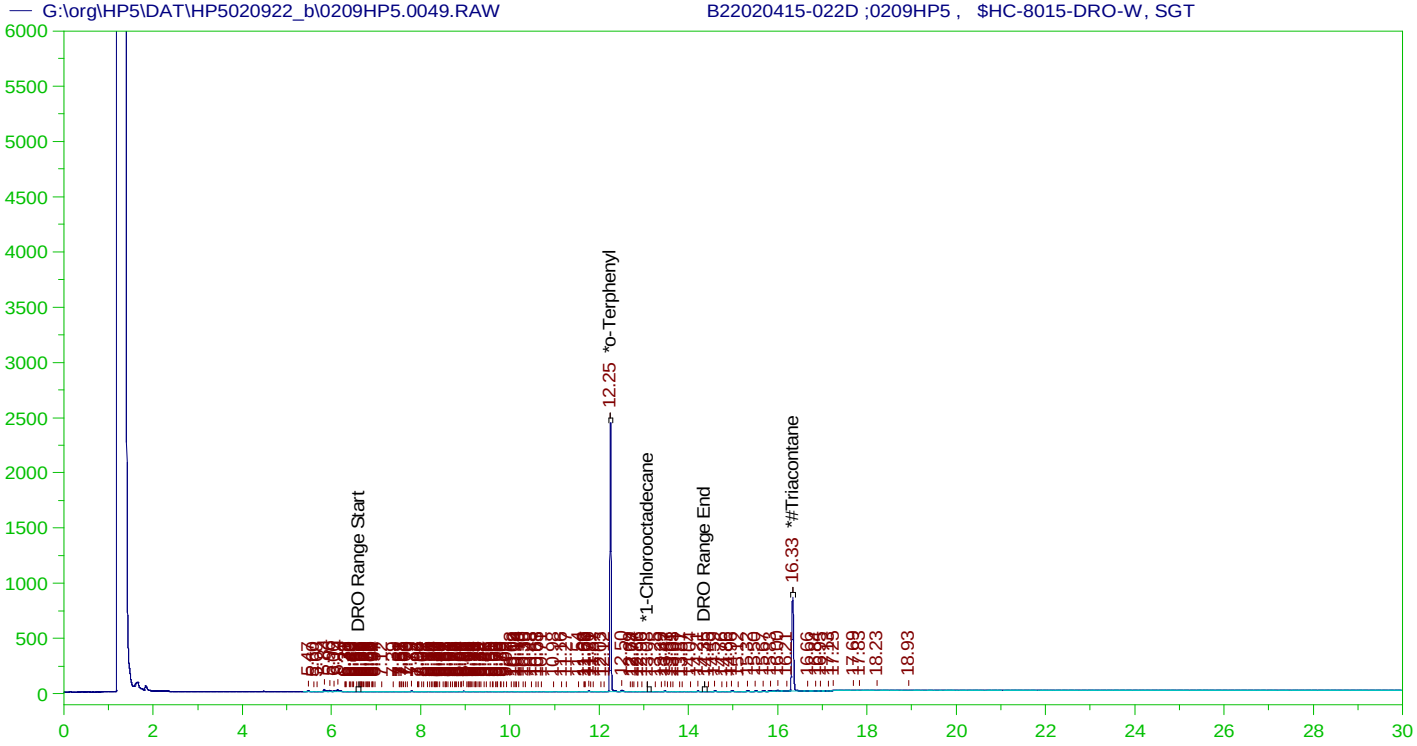

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-022D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0049.RAW
Date & Time Acquired: 2/10/2022 9:06:58 PM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.251	.189	.122	64.51	-
*1-Chlorooctadecane	13.076	.189	.07		-
*#Triacontane	16.331	.189	.072	38.24	-

DRO Area:259482.6 DRO Amount: 7.491728E-03
TEH Area:623251.3 TEH Amount: 1.799438E-02

ERH2512 (RHMW19) Batch ID: 163616

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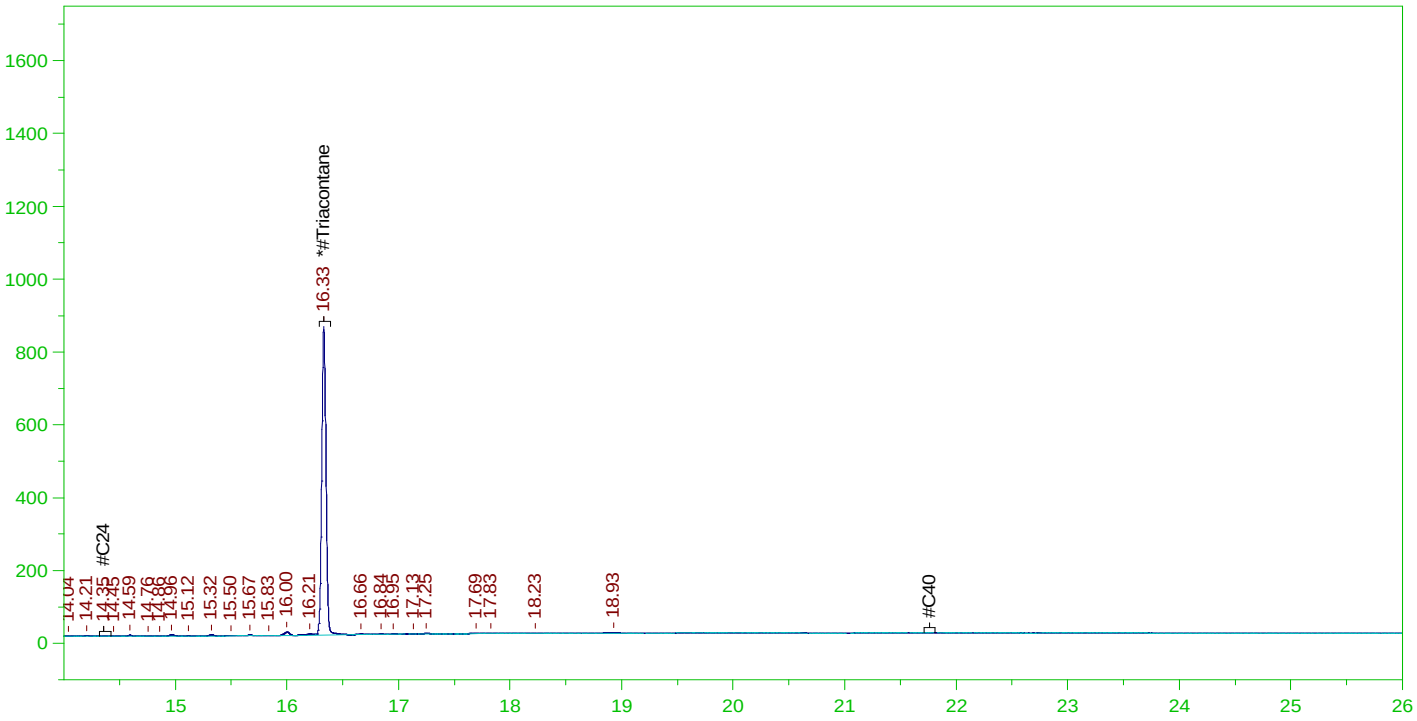

RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-022D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0049.RAW
Date & Time Acquired: 2/10/2022 9:06:58 PM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.331	.472	.072	15.31	-

RRO Area:136575.2 RRO AMOUNT: 4.87594E-03

ERH2512 (RHMW19) Batch ID: 163616

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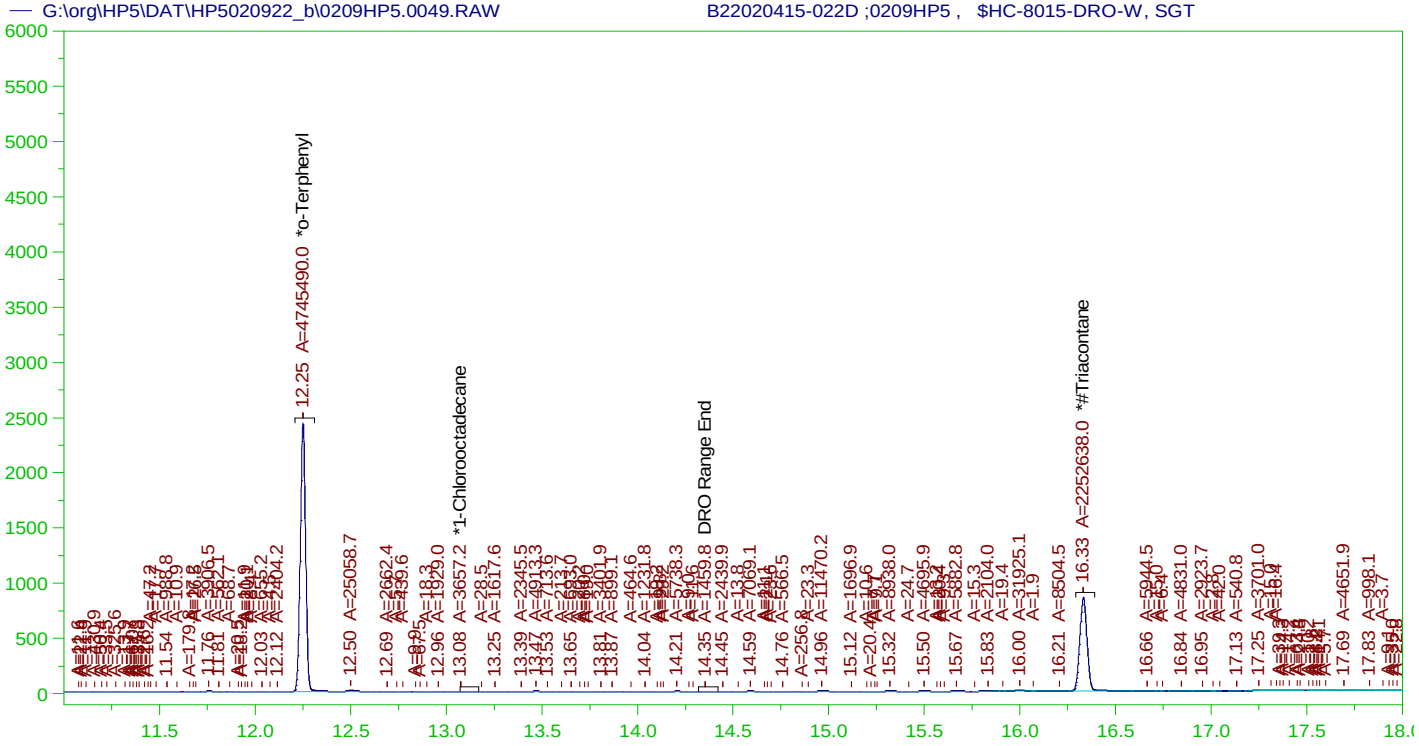


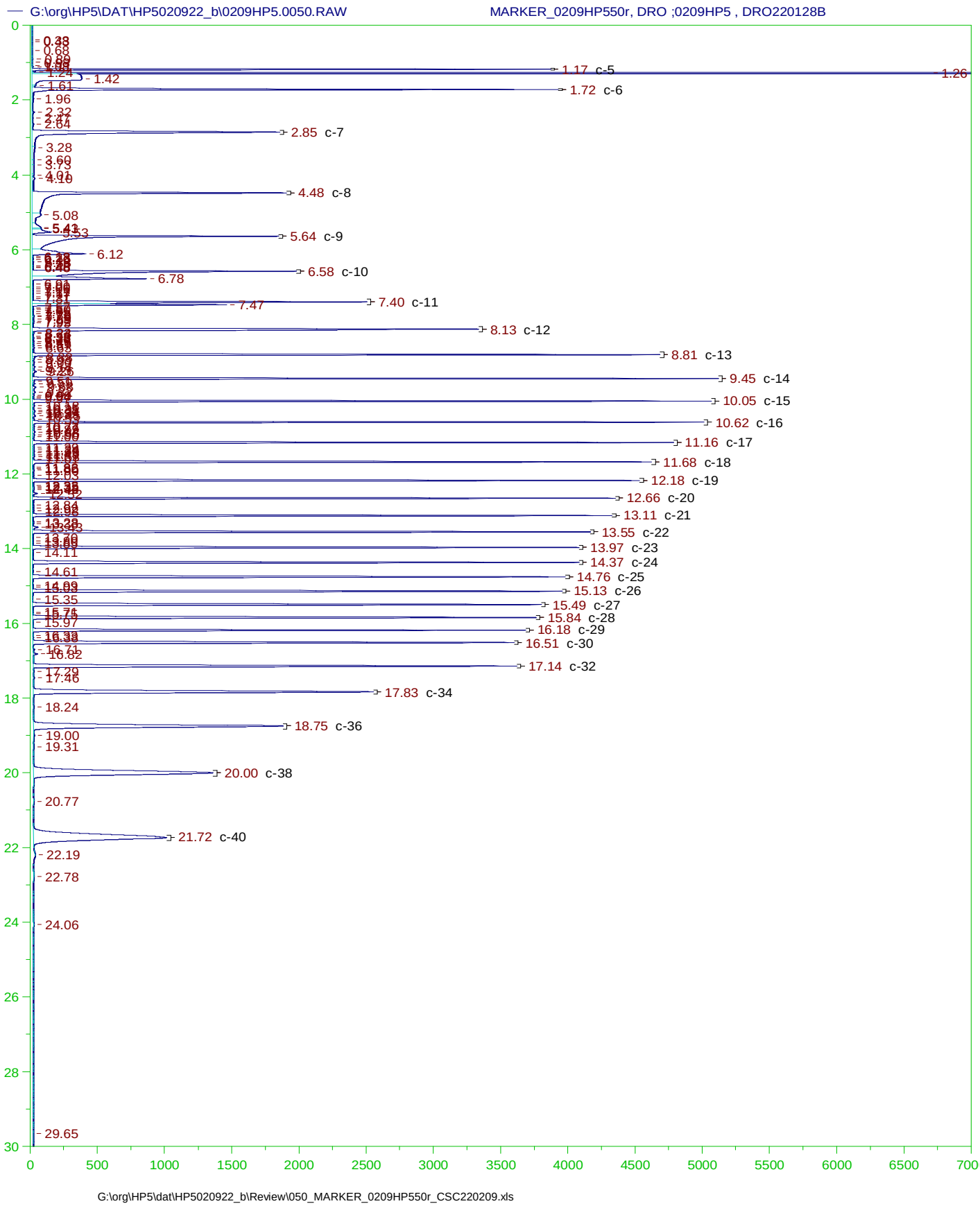
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-022D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0049.RAW
Date & Time Acquired: 2/10/2022 9:06:58 PM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1060 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.251	.189	.121	64.38	-
*1-Chlorooctadecane	13.076	.189	.	.05	-
*#Triacontane	16.331	.189	.072	38.	-

DRO Area:210870.5 DRO Amount: 6.088209E-03
TEH Area:627141.6 TEH Amount: 0.0181067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1.42
1.72 c-6
2.85 c-7
4.48 c-8
5.64 c-9
6.12
6.58 c-10
6.78
7.40 c-11
7.47
8.13 c-12
8.81 c-13
9.45 c-14
10.05 c-15
10.62 c-16
11.16 c-17
11.68 c-18
12.18 c-19
12.66 c-20
13.11 c-21
13.55 c-22
13.97 c-23
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15.49 c-27
15.84 c-28
16.18 c-29
16.51 c-30
17.14 c-32
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18.75 c-36
20.00 c-38
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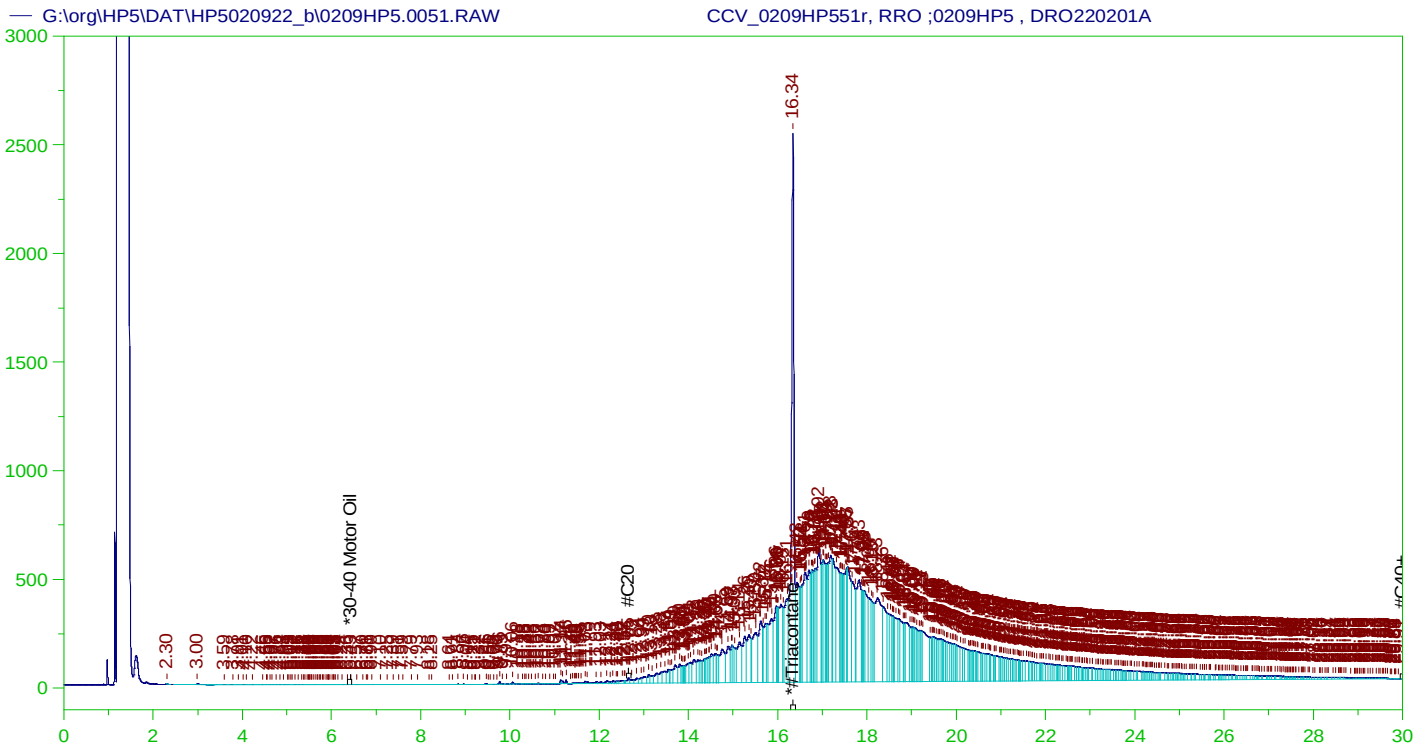

RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP551r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0051.RAW
Date & Time Acquired: 2/10/2022 10:33:12 PM
Method File: G:\Org\HP5\Methods\DC_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.336	500.	331.647	66.33	-

~~RRO~~ TEH(Oil Range) Area:1.357678E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 5137.941

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0051.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.038	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.336	200.	331.647	165.82	75-125

AMN 02/16/2022

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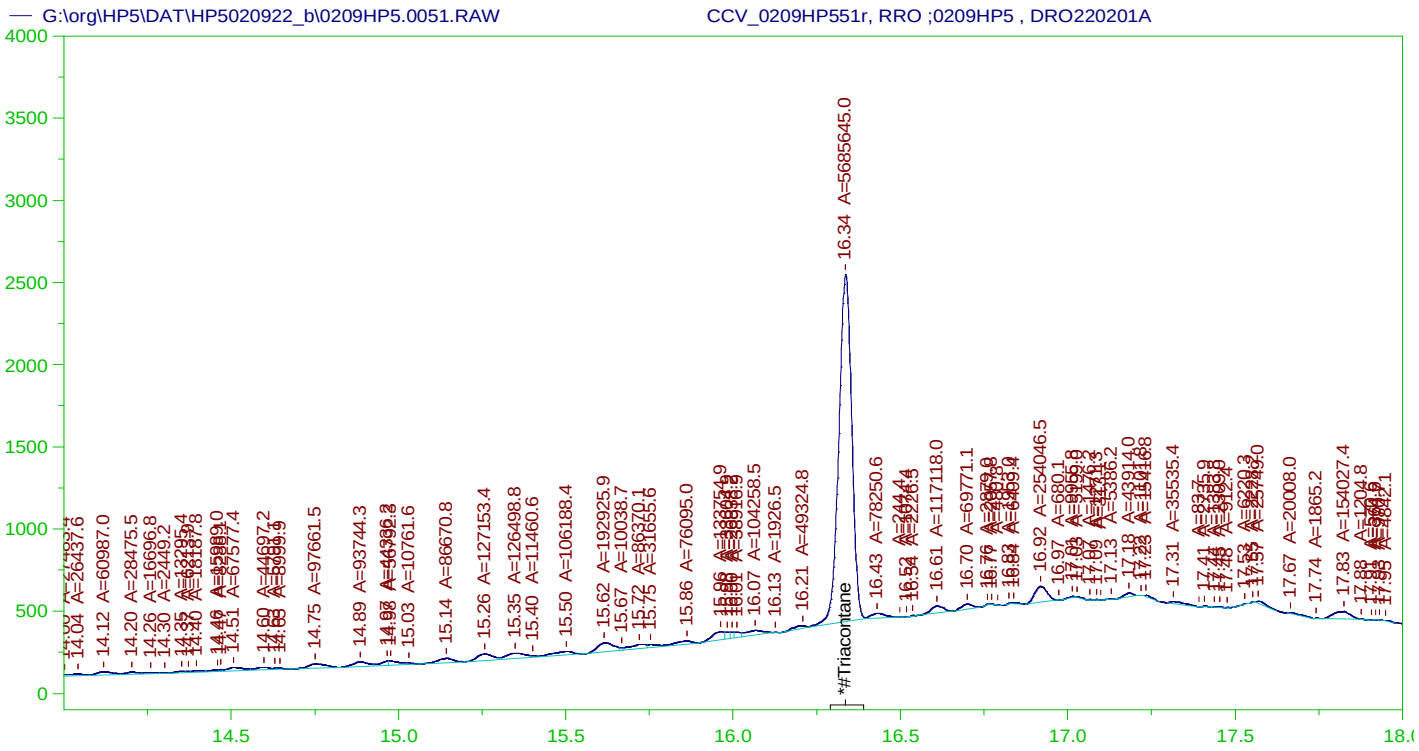


RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP551r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0051.RAW
Date & Time Acquired: 2/10/2022 10:33:12 PM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

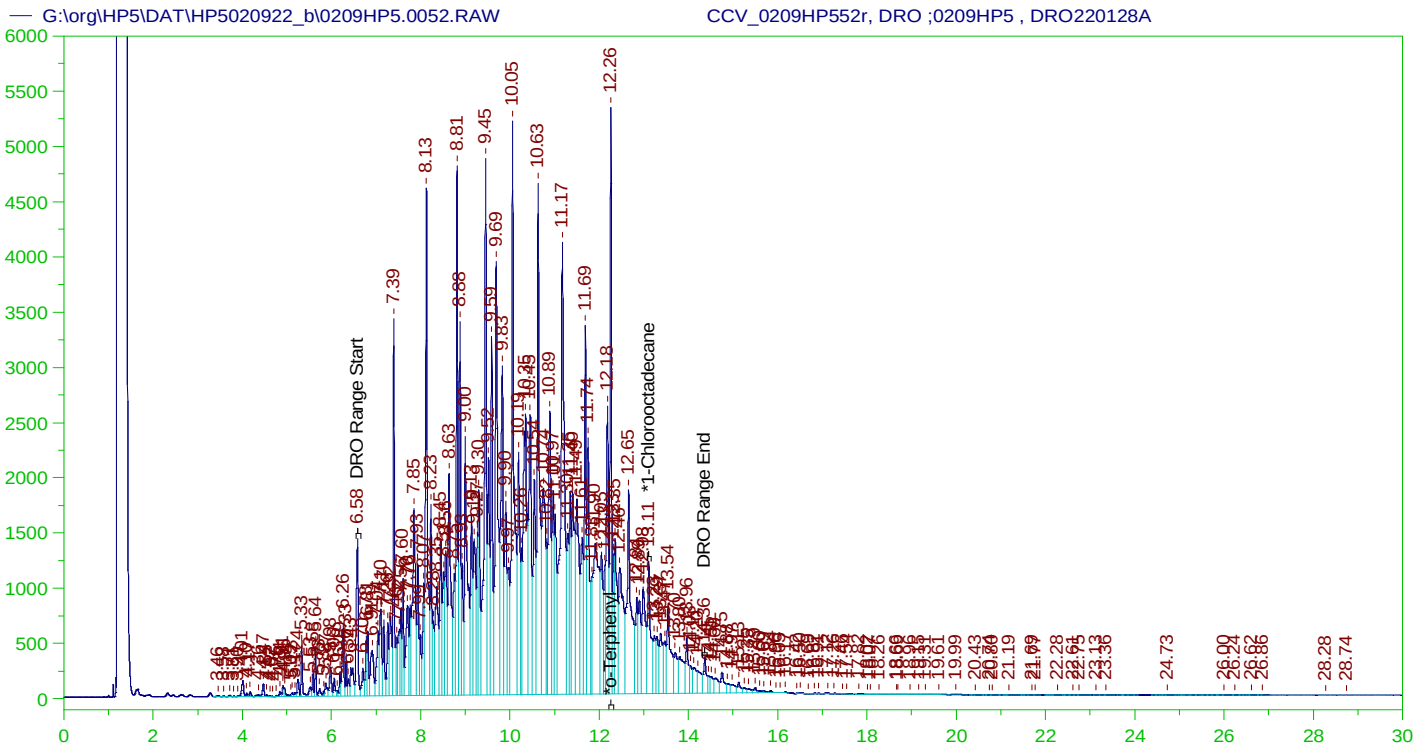
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.336	500.	191.849	38.37	-

RRO Area:3526682 RRO AMOUNT: 133.4623

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0051.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.038	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.336	200.	191.849	95.92	75-125



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP552r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0052.RAW
Date & Time Acquired: 2/10/2022 11:16:15 PM
Method File: G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.259	200.	354.498	177.25	-
*1-Chlorooctadecane	13.106	200.	167.868	83.93	-

DRO Area:5.121133E+08 DRO Amount: 15672.77
TEH Area:5.299557E+08 TEH Amount: 16218.82

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0052.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	16218.82	108.13	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.259	200.	354.498	177.25	85-115
*1-Chlorooctadecane	13.106	200.	167.868	83.93	85-115

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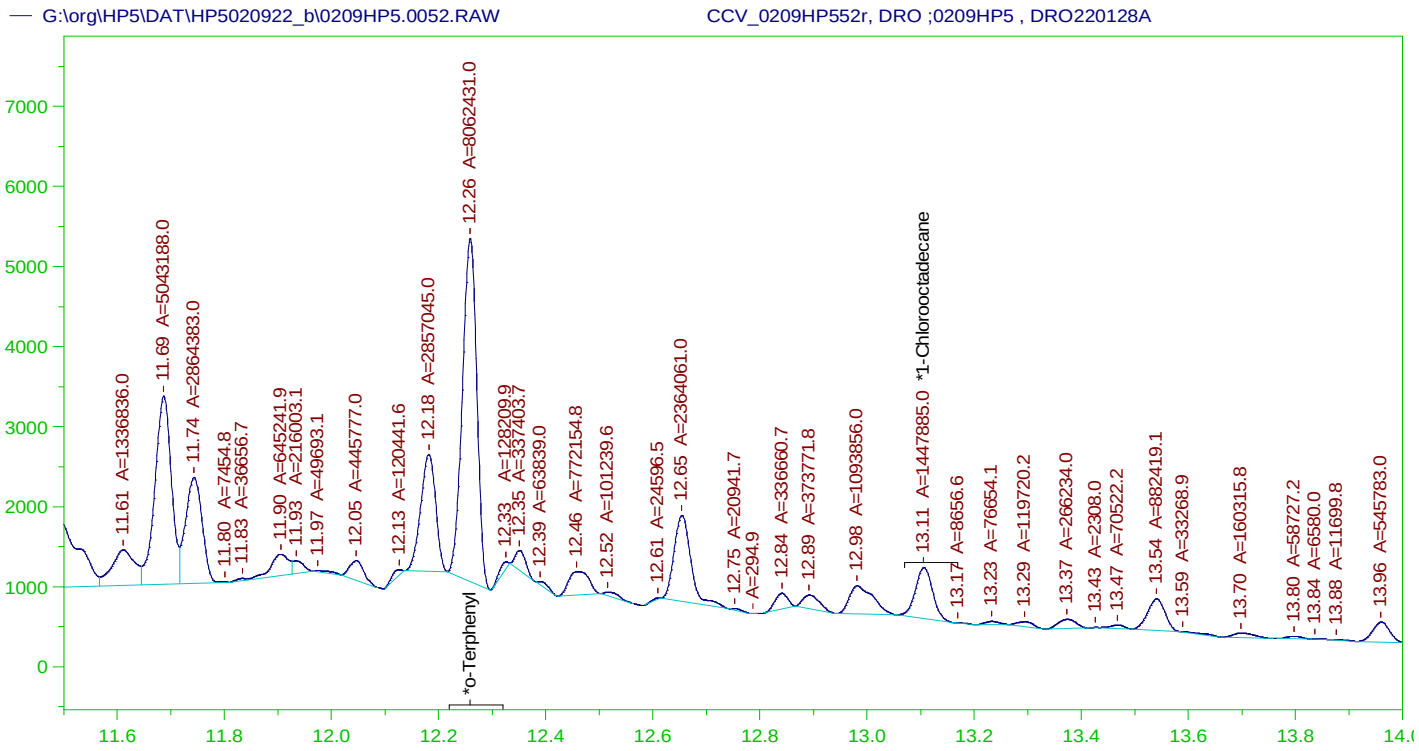

DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP552r, DRO ;0209HP5 , DRO220128A
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Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.259	200.	218.744	109.37	-
*1-Chlorooctadecane	13.106	200.	39.283	19.64	-

DRO Area:2.635993E+08 DRO Amount: 8067.219
TEH Area:2.750295E+08 TEH Amount: 8417.03

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0052.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	8417.03	56.11	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.259	200.	218.744	109.37	85-115
*1-Chlorooctadecane	13.106	200.	39.283	19.64	85-115

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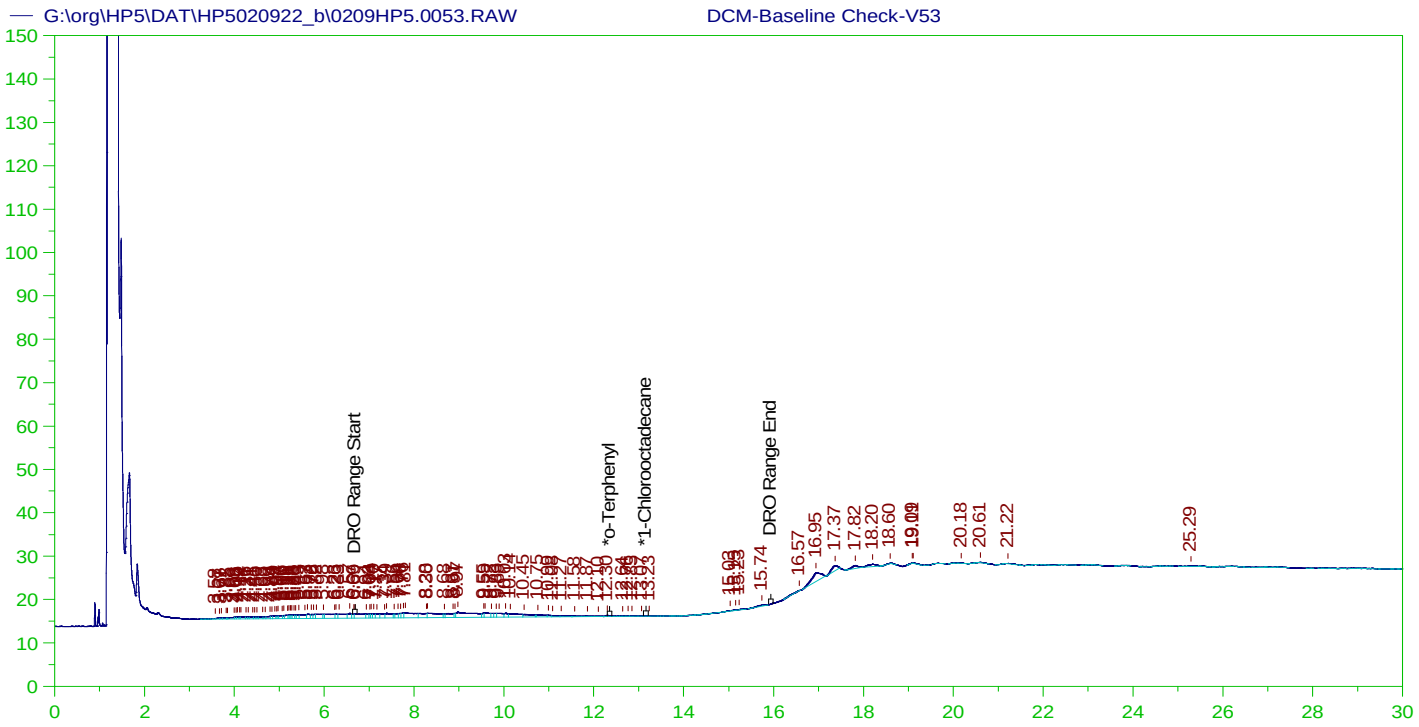


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V53
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0053.RAW
Date & Time Acquired: 2/10/2022 11:59:20 PM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

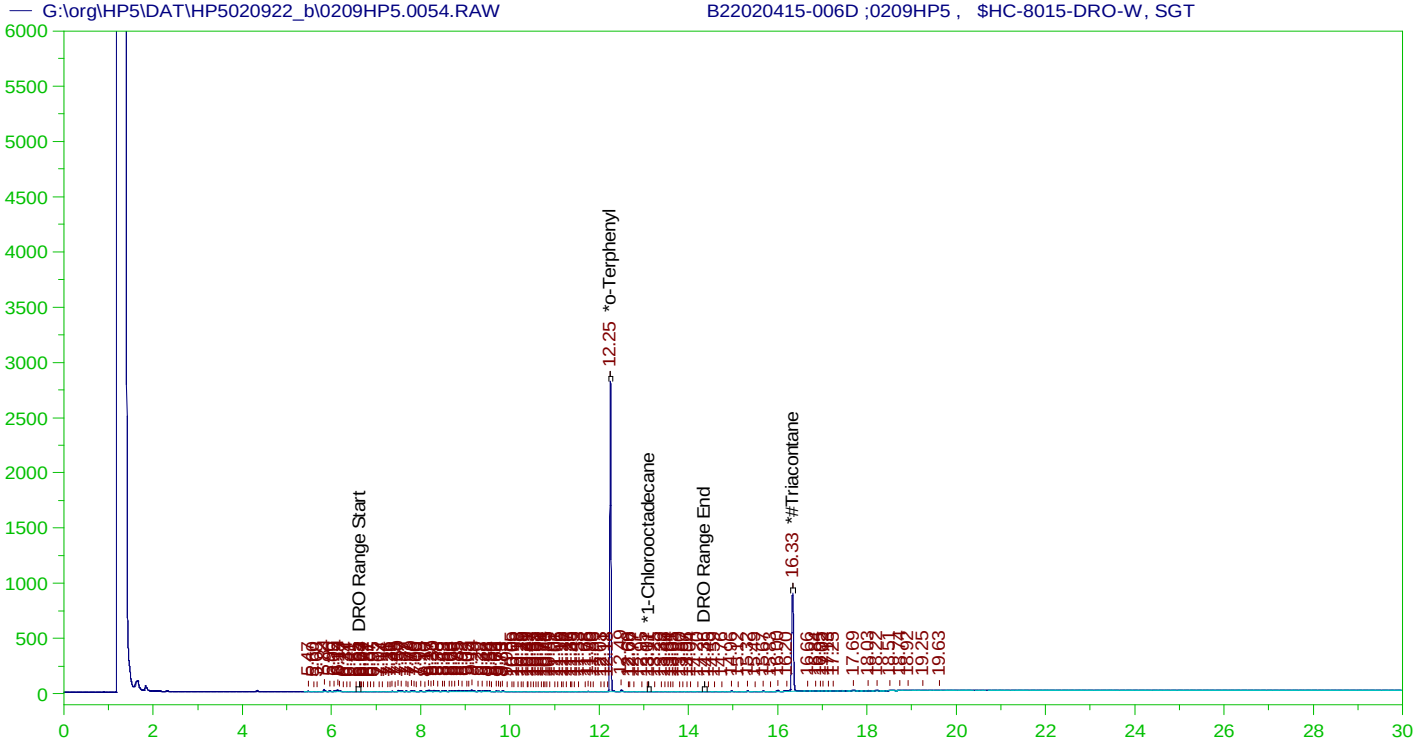
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.952	200.	.	.	-
*1-Chlorooctadecane	29.952	200.	.	.	-

DRO Area:249555.7 DRO Amount: 7.637427
TEH Area:449347.4 TEH Amount: 13.75187

ERH2514 (RHMW01R) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0054.RAW B22020415-006D ;0209HP5 , $HC-8015-DRO-W, SGT



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-006D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0054.RAW
Date & Time Acquired: 2/11/2022 12:42:17 AM
Method File: G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

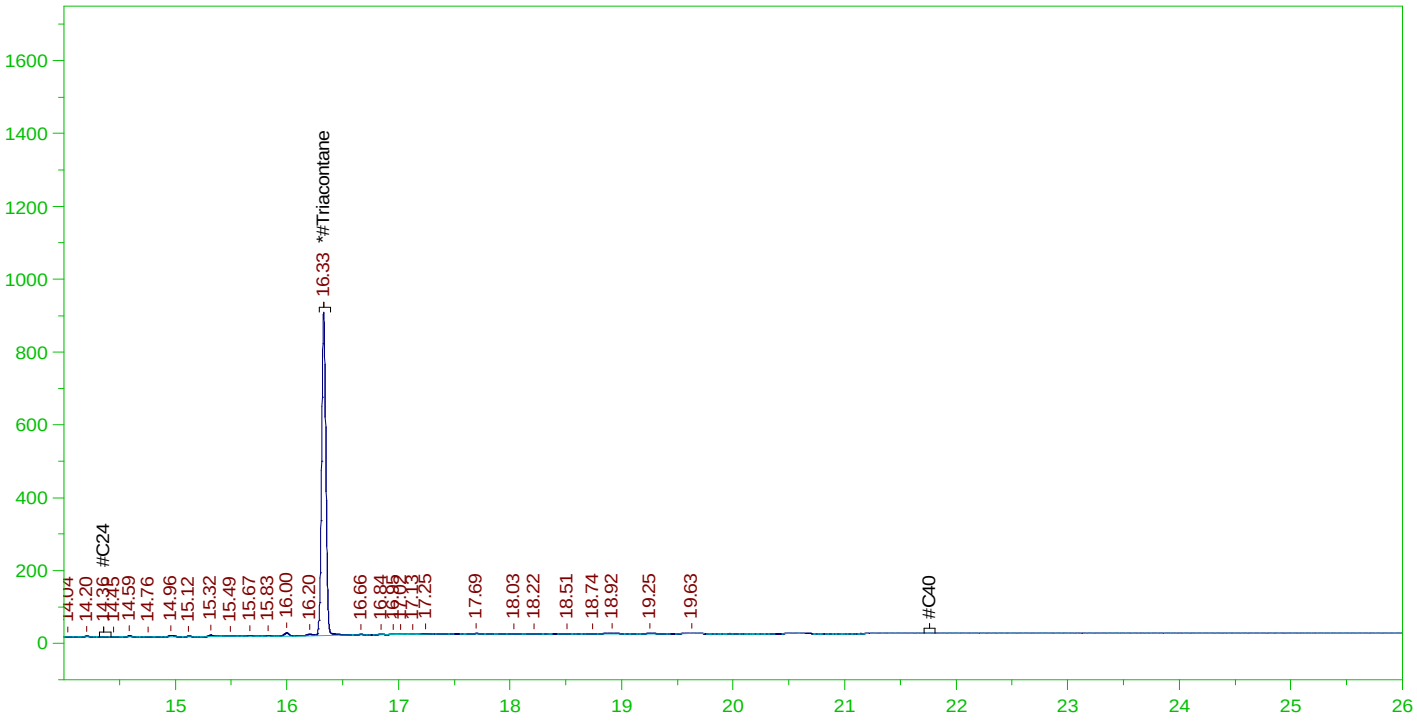
Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.249	.194	.143	73.72	-
*1-Chlorooctadecane	13.105	.194	.	.03	-
*#Triacontane	16.33	.194	.078	40.16	-

DRO Area:1156980 DRO Amount: 3.437703E-02
TEH Area:1549483 TEH Amount: 4.603936E-02

ERH2514 (RHMW01R) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0054.RAW B22020415-006D ;0209HP5 , $HC-8015-DRO-W, SGT



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-006D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0054.RAW
Date & Time Acquired: 2/11/2022 12:42:17 AM
Method File: G:\Org\HP5\Methods\DR_OROS-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE_SAMP.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

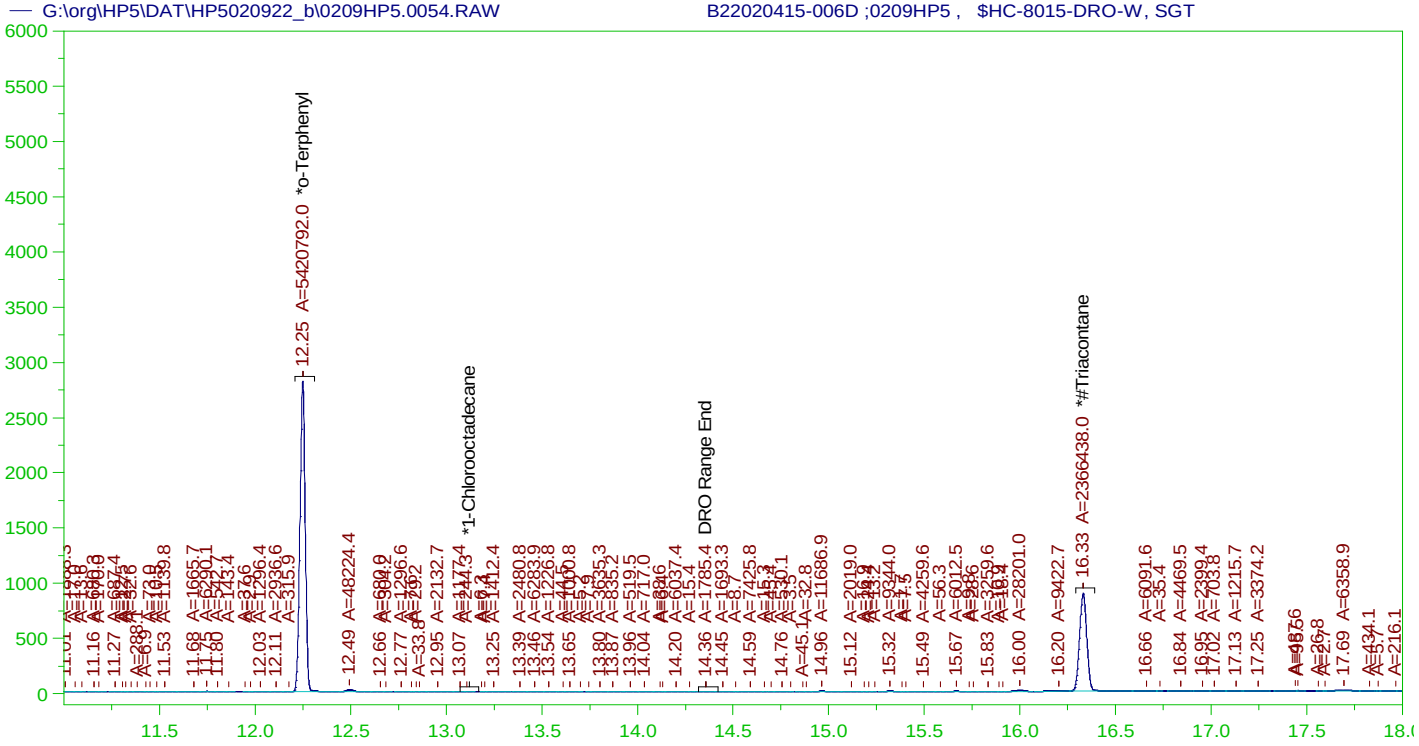
Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 14.32 to 21.81

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.33	.485	.078	16.06	-

RRO Area:143879.6 RRO AMOUNT: 5.286332E-03

ERH2514 (RHMW01R) Batch ID: 163616

G:\org\HP5\DAT\HP5020922_b\0209HP5.0054.RAW B22020415-006D ;0209HP5 , $HC-8015-DRO-W, SGT



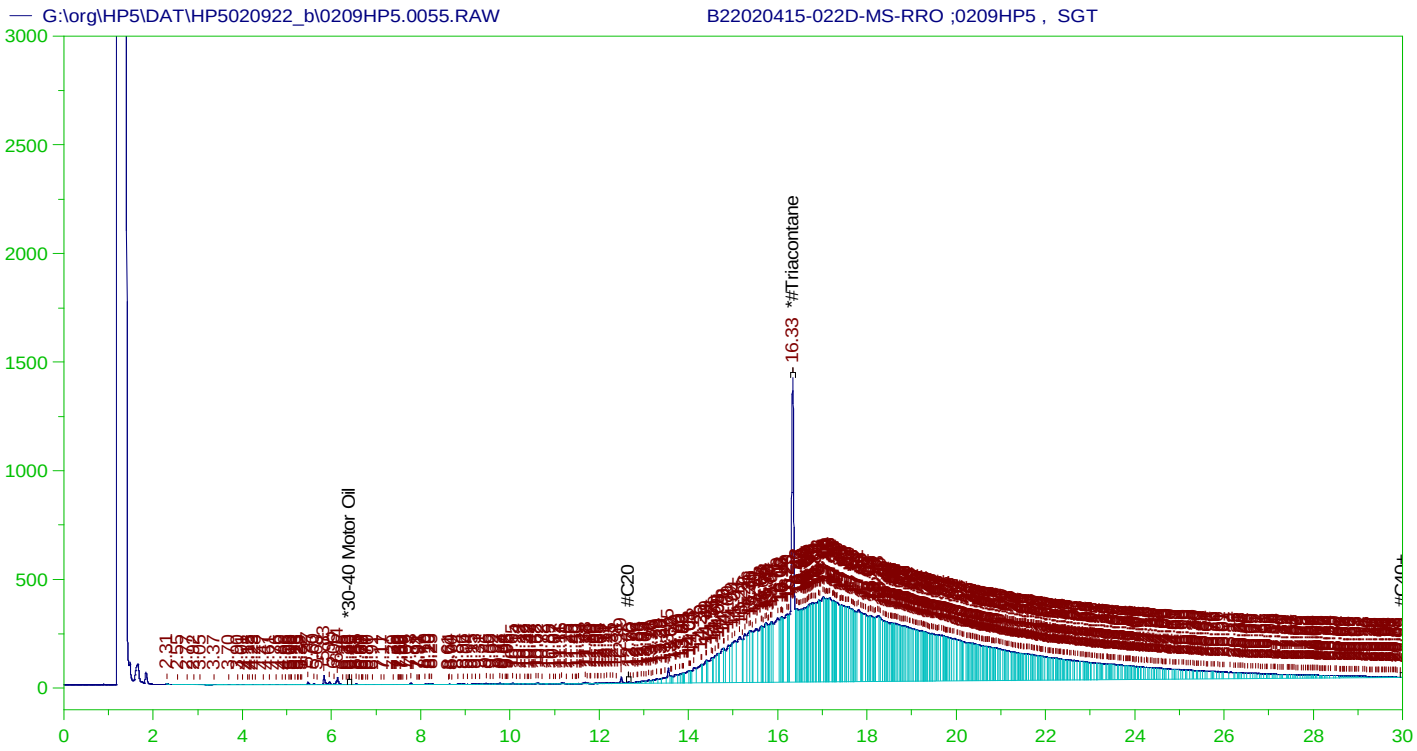
DIESEL RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-006D ;0209HP5 , $HC-8015-DRO-W, SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0054.RAW
Date & Time Acquired: 2/11/2022 12:42:17 AM
Method File: G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24-T.CAL
Sample Weight: 1030 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.249	.194	.143	73.54	-
*1-Chlorooctadecane	29.982	.194	.	.	-
*#Triacontane	16.33	.194	.078	39.92	-

DRO Area:1021868 DRO Amount: 3.036247E-02
TEH Area:1490052 TEH Amount: 4.427349E-02



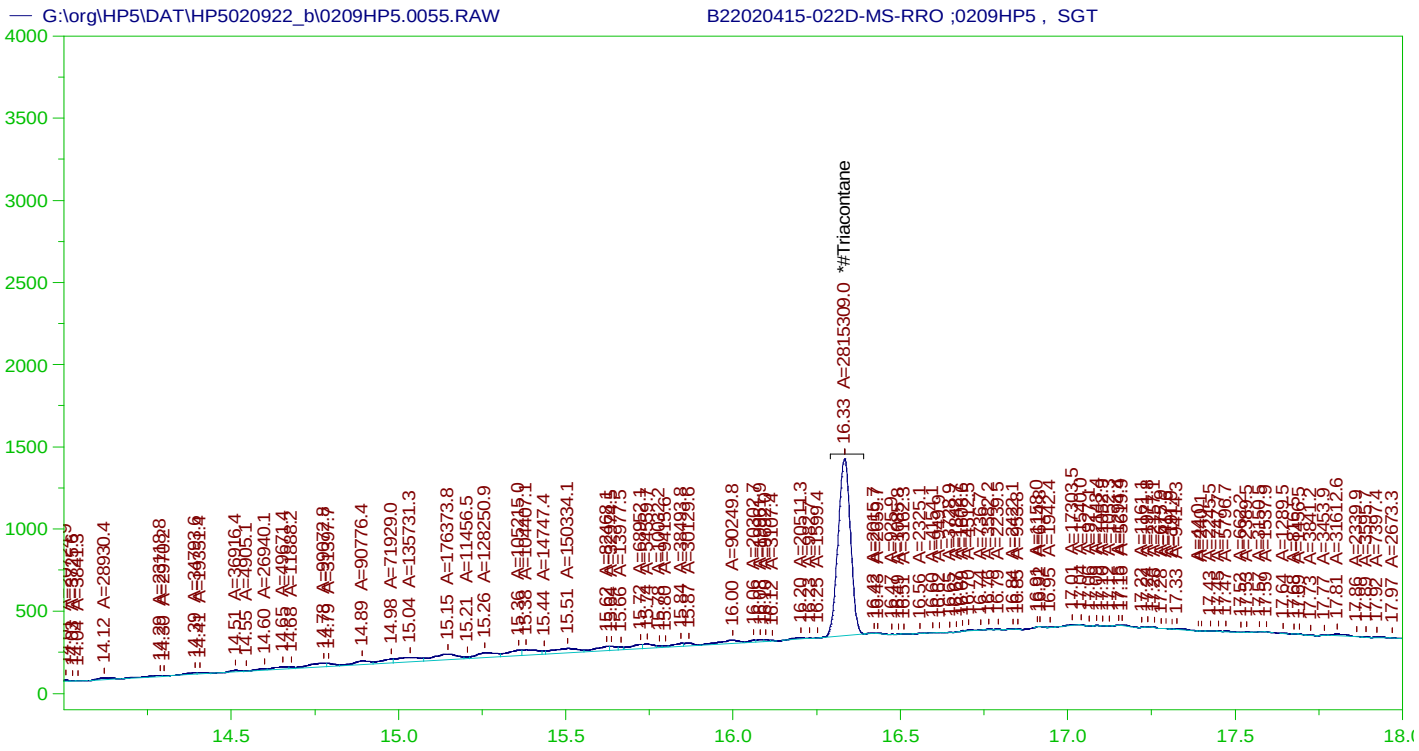
RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: B22020415-022D-MS-RRO ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0055.RAW
Date & Time Acquired: 2/11/2022 1:25:20 AM
Method File: G:\Org\HP5\Methods\D3_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 990 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.333	.505	.182	36.11	-

~~RRO~~ TEH(Oil Range) Area:1.259666E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 4.815182

AMN 02/16/2022



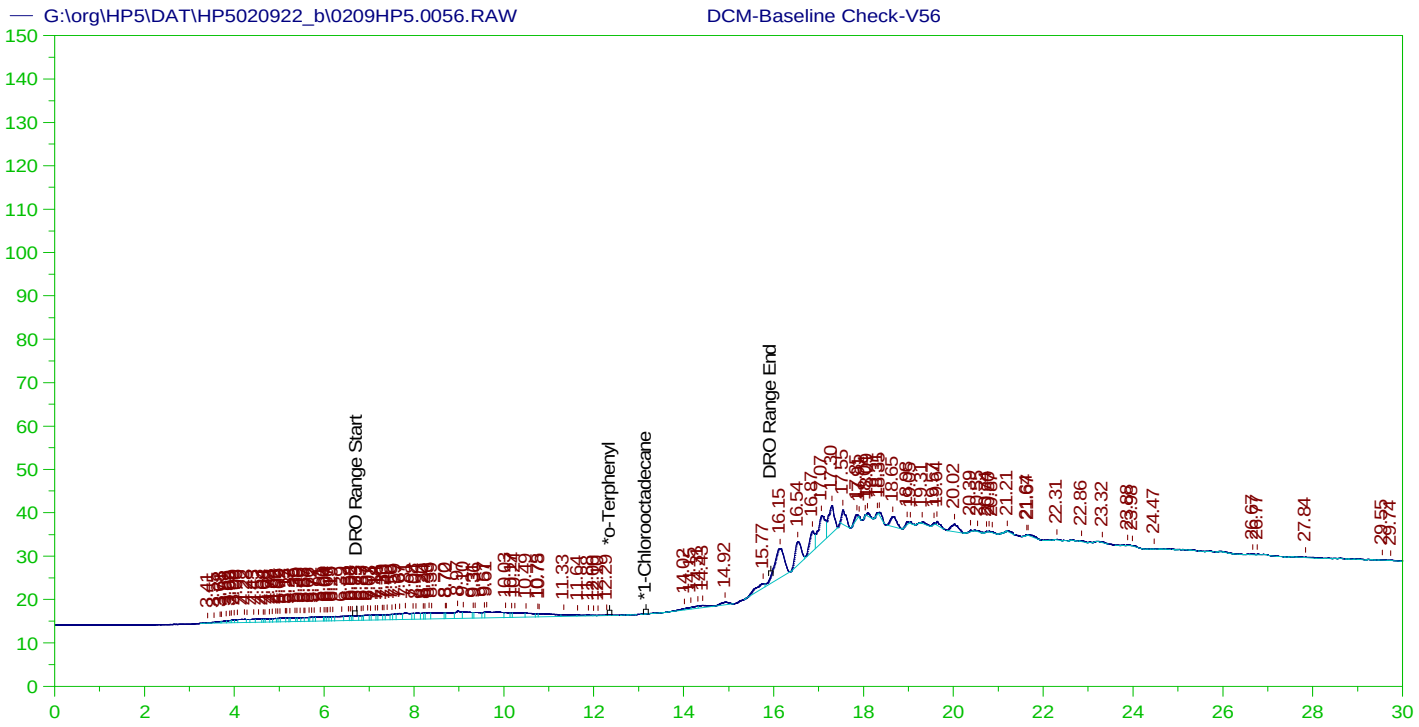
RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: B22020415-022D-MS-RRO ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0055.RAW
Date & Time Acquired: 2/11/2022 1:25:20 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 990 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.333	.505	.096	19.	-

RRO Area:2563932 RRO AMOUNT: 9.800847E-02

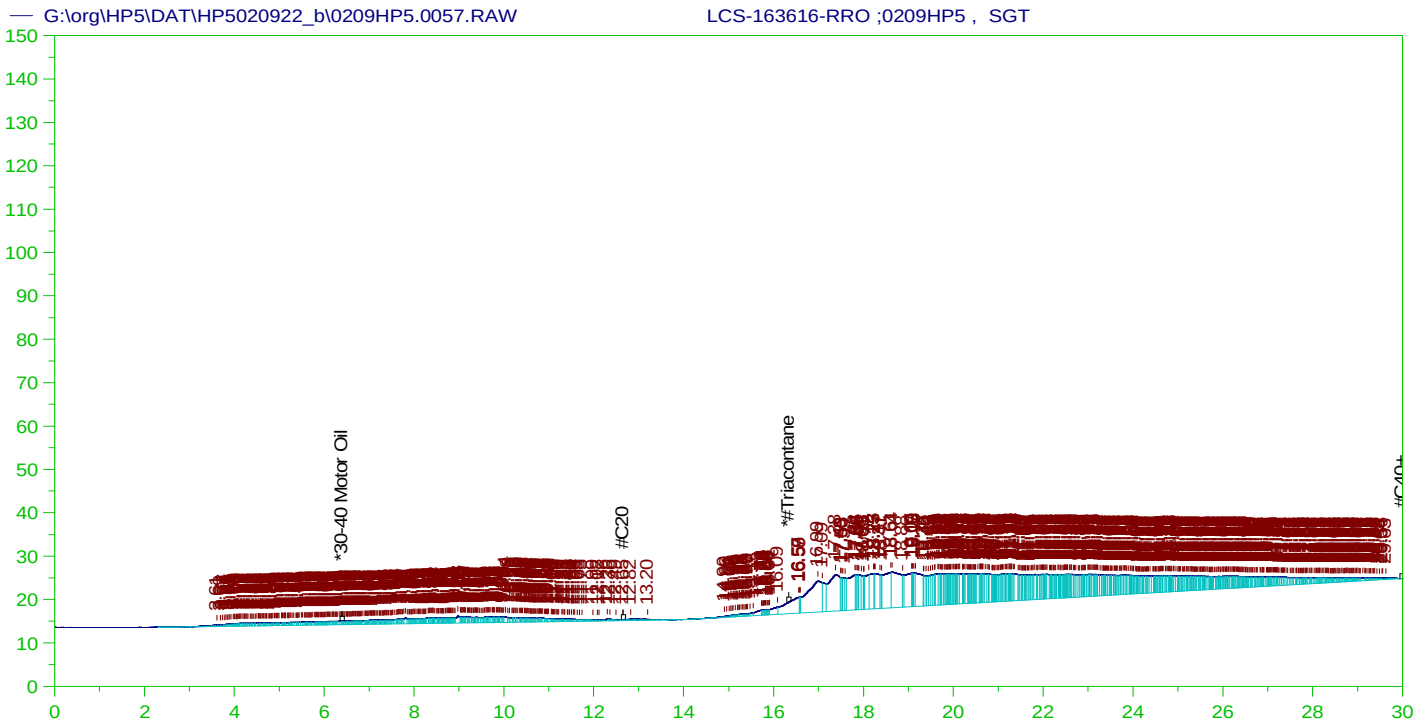


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V56
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0056.RAW
Date & Time Acquired: 2/11/2022 2:07:10 AM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.974	200.	.	.	-
*1-Chlorooctadecane	29.974	200.	.	.	-

DRO Area:390939.7 DRO Amount: 11.96436
TEH Area:998519.4 TEH Amount: 30.55879



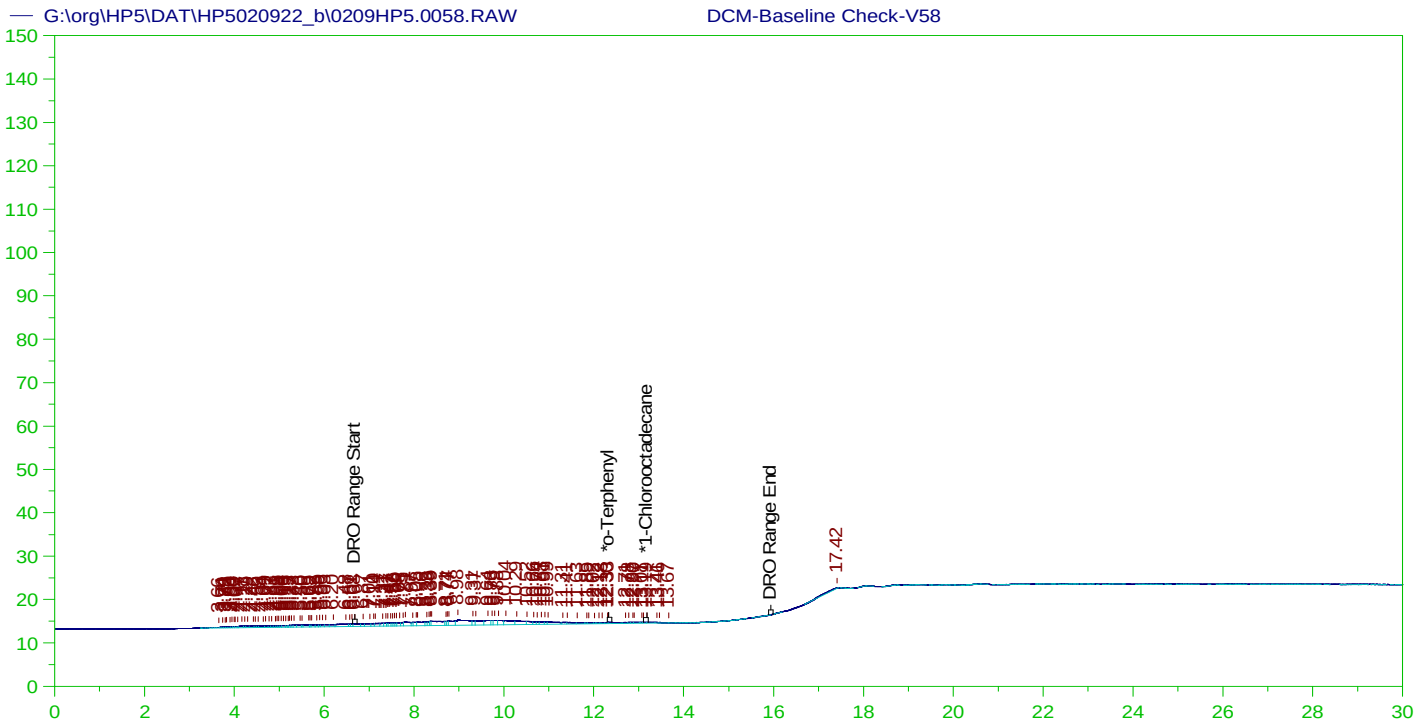
RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: LCS-163616-RRO ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0057.RAW
Date & Time Acquired: 2/11/2022 2:49:01 AM
Method File: G:\Org\HP5\Methods\D3_ORO-BE-L0.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
*#Triacontane	29.986	.5	.	. -

RRO Area:3715658 RRO AMOUNT: 0.1406139

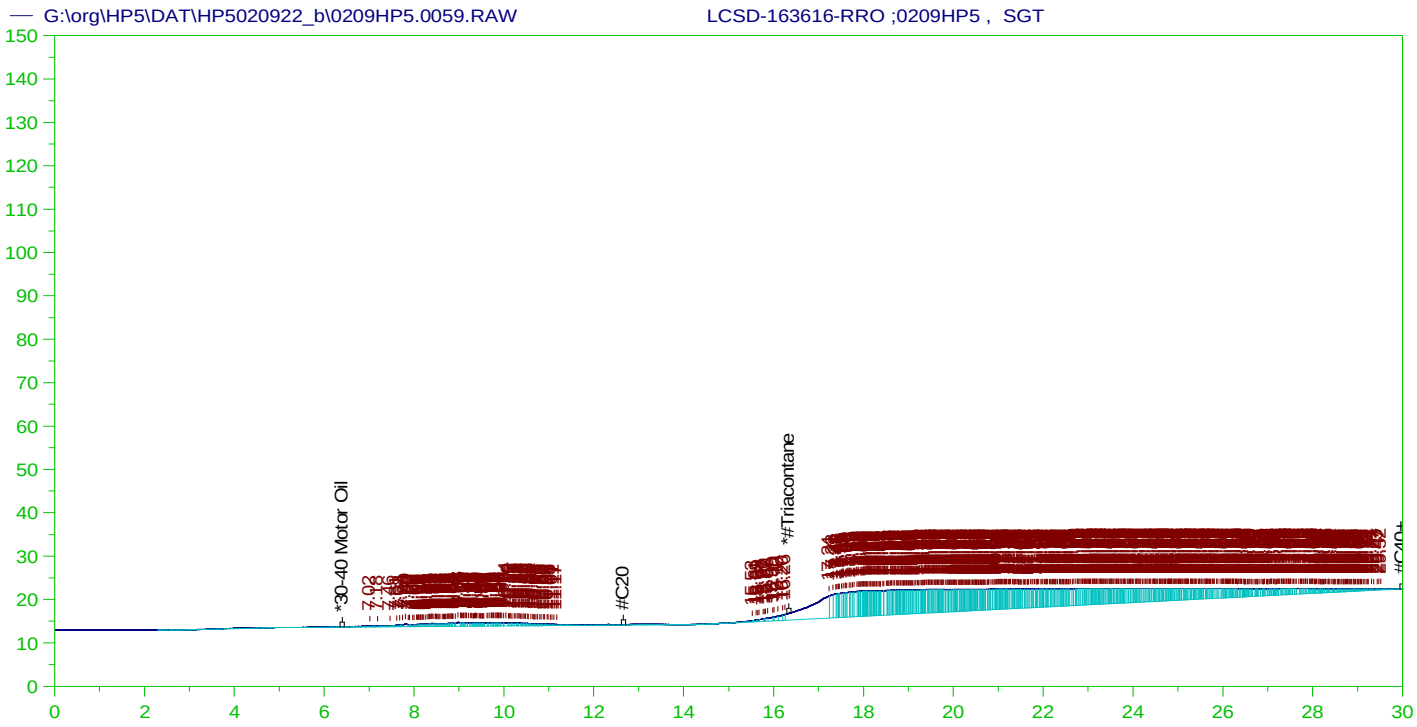


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V58
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0058.RAW
Date & Time Acquired: 2/11/2022 3:30:45 AM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.327	200.	.121	.06	-
*1-Chlorooctadecane	13.185	200.	.06	.03	-

DRO Area:256434.6 DRO Amount: 7.84795
TEH Area:347985 TEH Amount: 10.64977



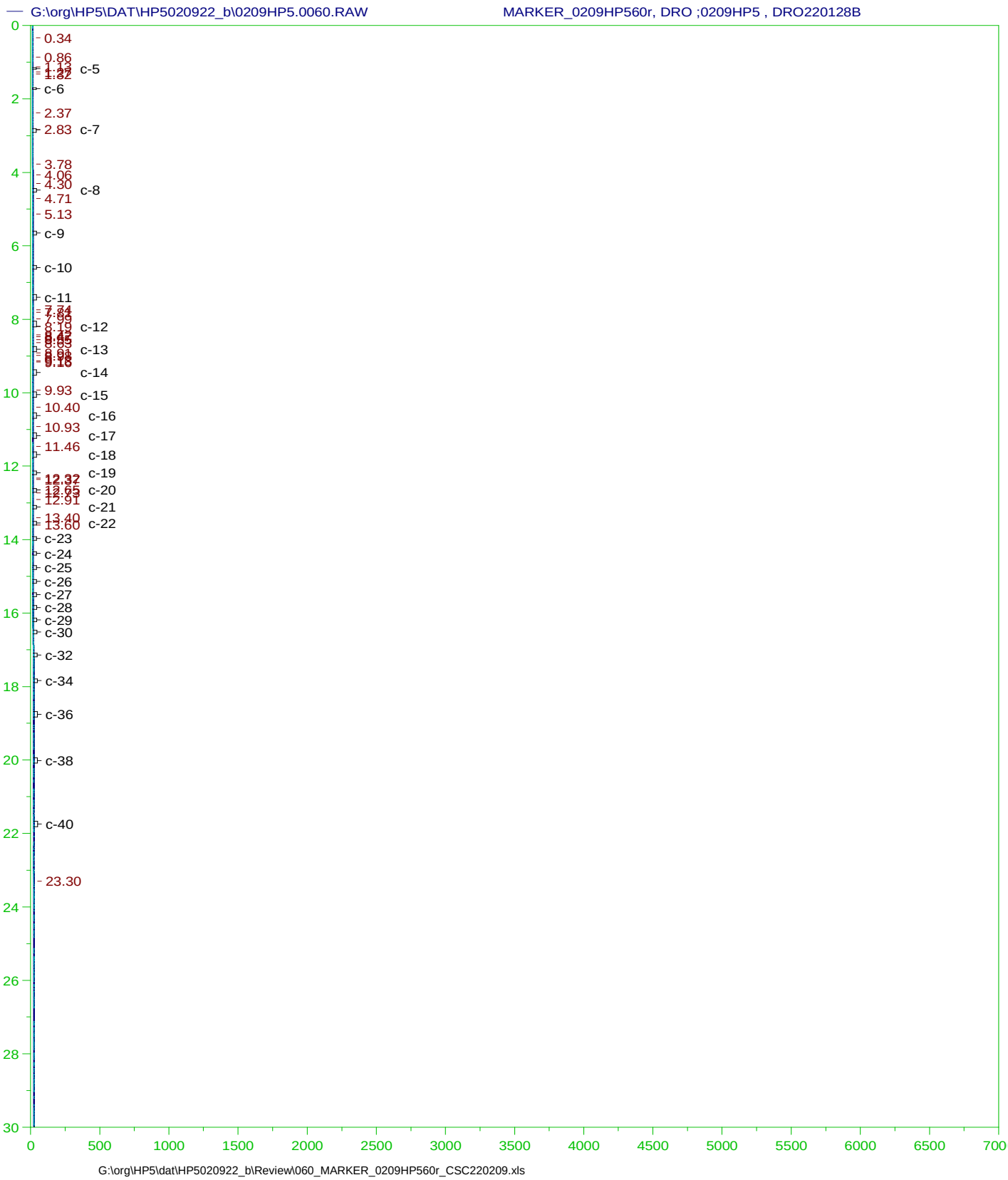
RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: LCSD-163616-RRO ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0059.RAW
Date & Time Acquired: 2/11/2022 4:12:27 AM
Method File: G:\Org\HP5\Methods\D3_ORO-BE-L0.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC
*#Triacontane	29.993	.5	.	.	-

RRO Area:2695937 RRO AMOUNT: 0.1020239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MARKER_0209HP560r, DRO ;0209HP5 , DRO220128B
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c-5
c-6
2.37
2.83 c-7
3.78
4.06
4.30 c-8
4.71
5.13
c-9
c-10
c-11
8.19 c-12
c-13
c-14
9.93 c-15
10.40 c-16
10.93 c-17
11.46 c-18
c-19
c-20
12.91 c-21
13.60 c-22
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c-30
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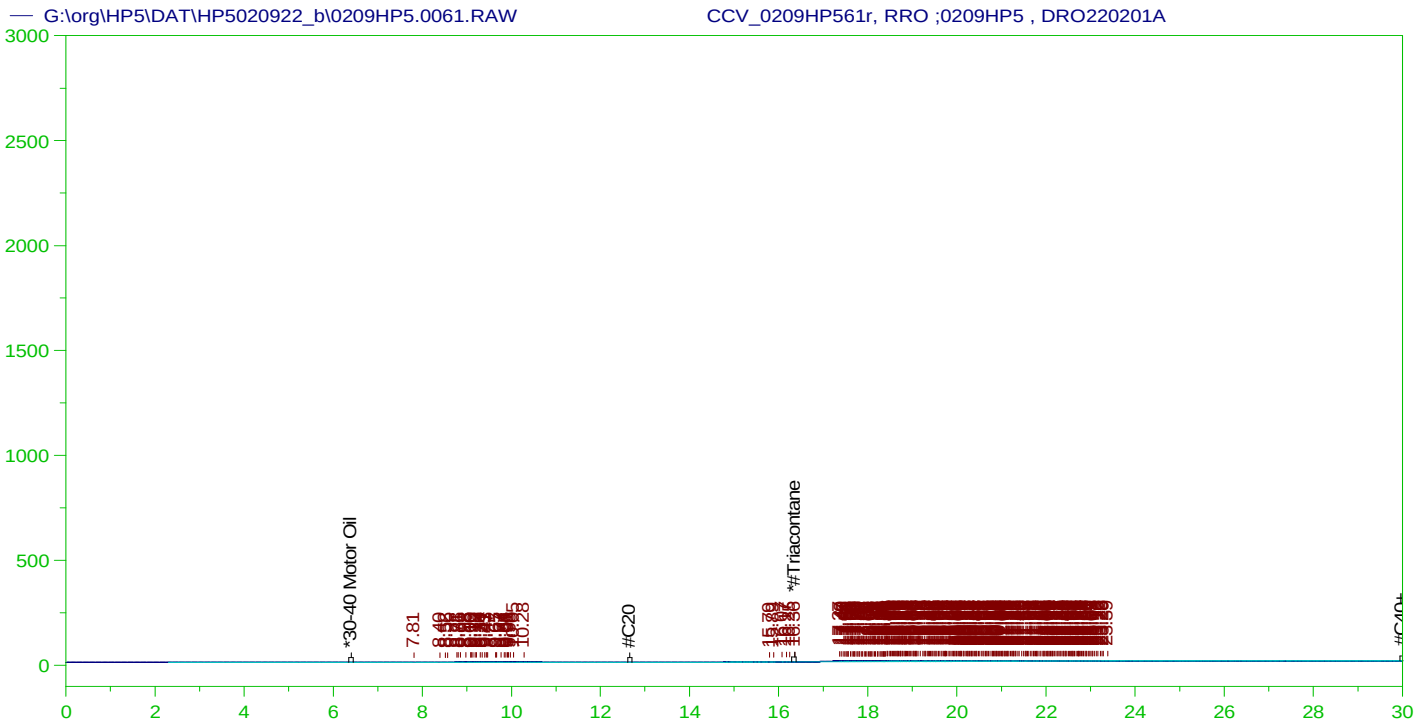


RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP561r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0061.RAW
Date & Time Acquired: 2/11/2022 5:35:52 AM
Method File: G:\Org\HP5\Methods\DC_ORO-BE-L0.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

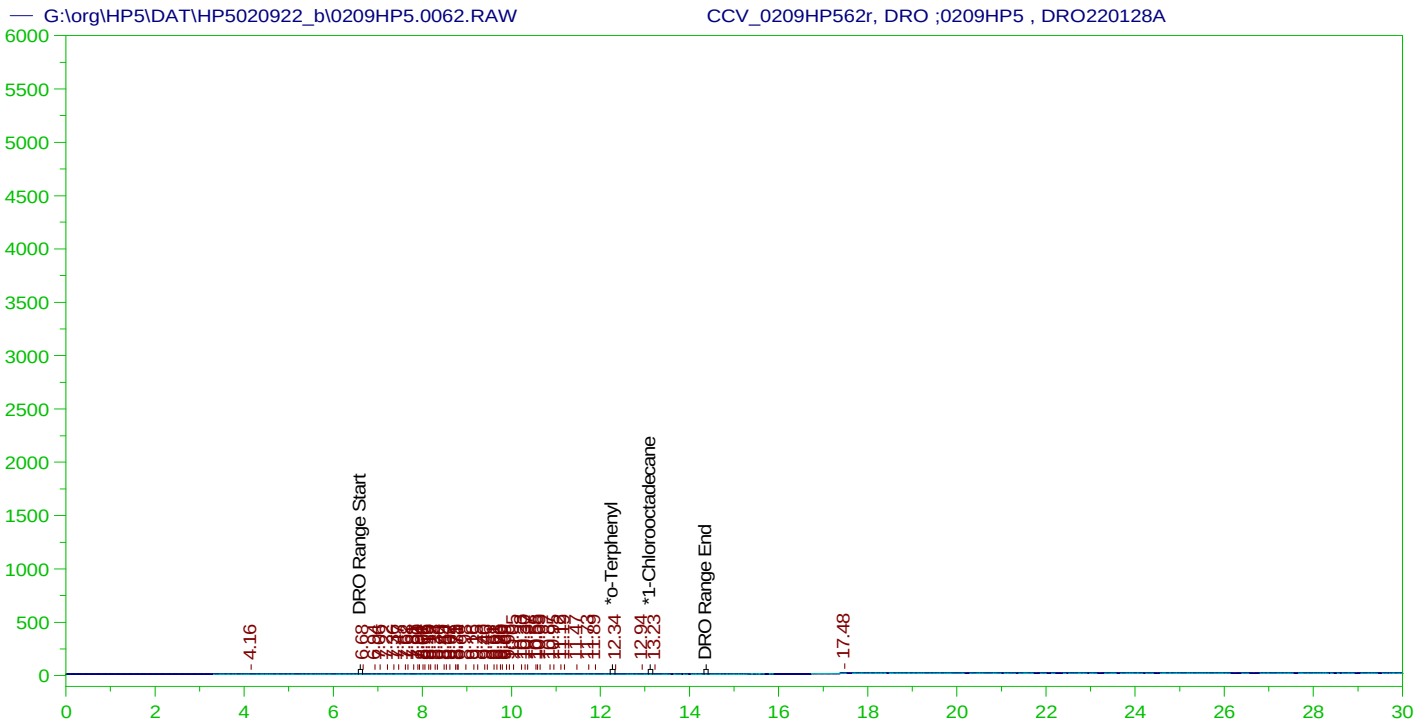
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.357	500.	.183	.04	-

RRO Area:1085121 RRO AMOUNT: 41.06489

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0061.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.357	200.	.183	.09	75-125



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP562r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0062.RAW
Date & Time Acquired: 2/11/2022 6:17:28 AM
Method File: G:\Org\HP5\Methods\DC_8015-C24-JE-L0.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC
*o-Terphenyl	29.943	200.	.	.	-
*1-Chlorooctadecane	29.943	200.	.	.	-

DRO Area:125573.3 DRO Amount: 3.843058
TEH Area:150355.6 TEH Amount: 4.601499

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0062.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	.	.	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED		%REC	LIMITS
*o-Terphenyl	29.943	200.	.	.		85-115
*1-Chlorooctadecane	29.943	200.	.	.		85-115

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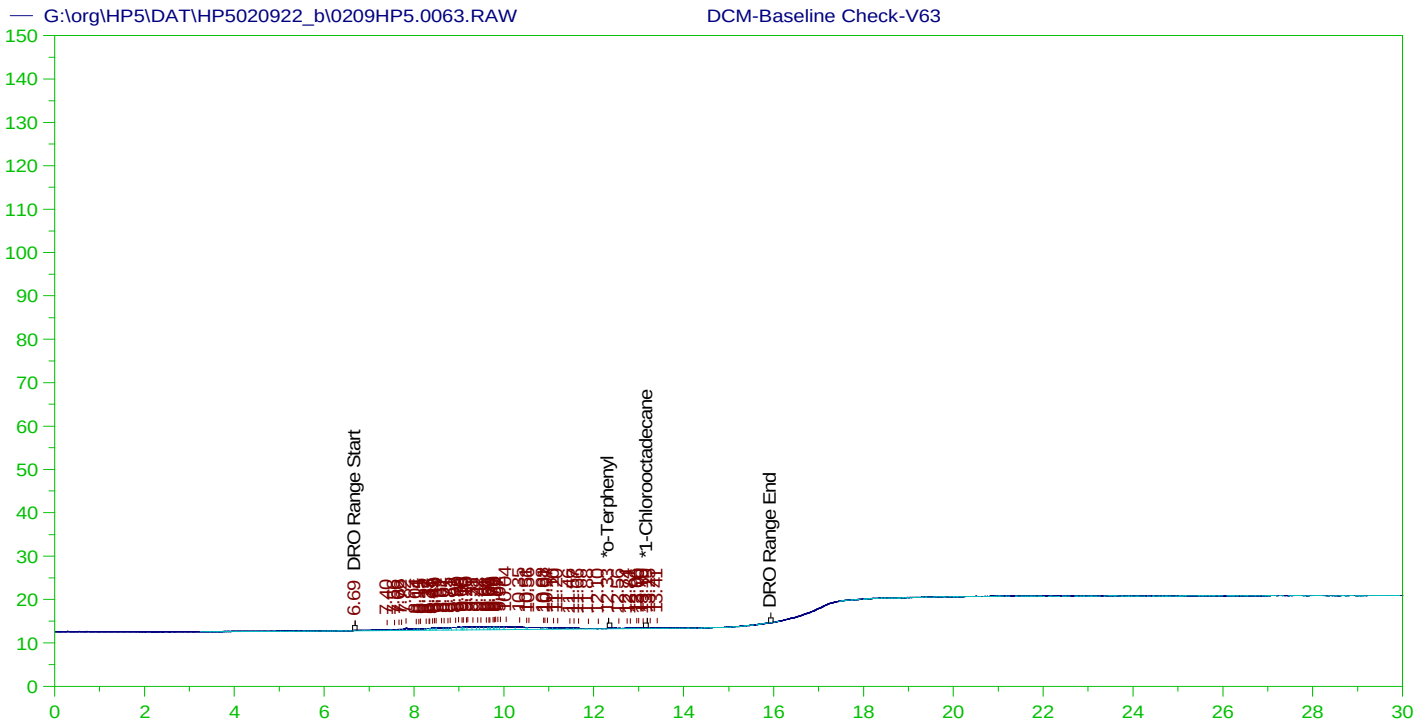
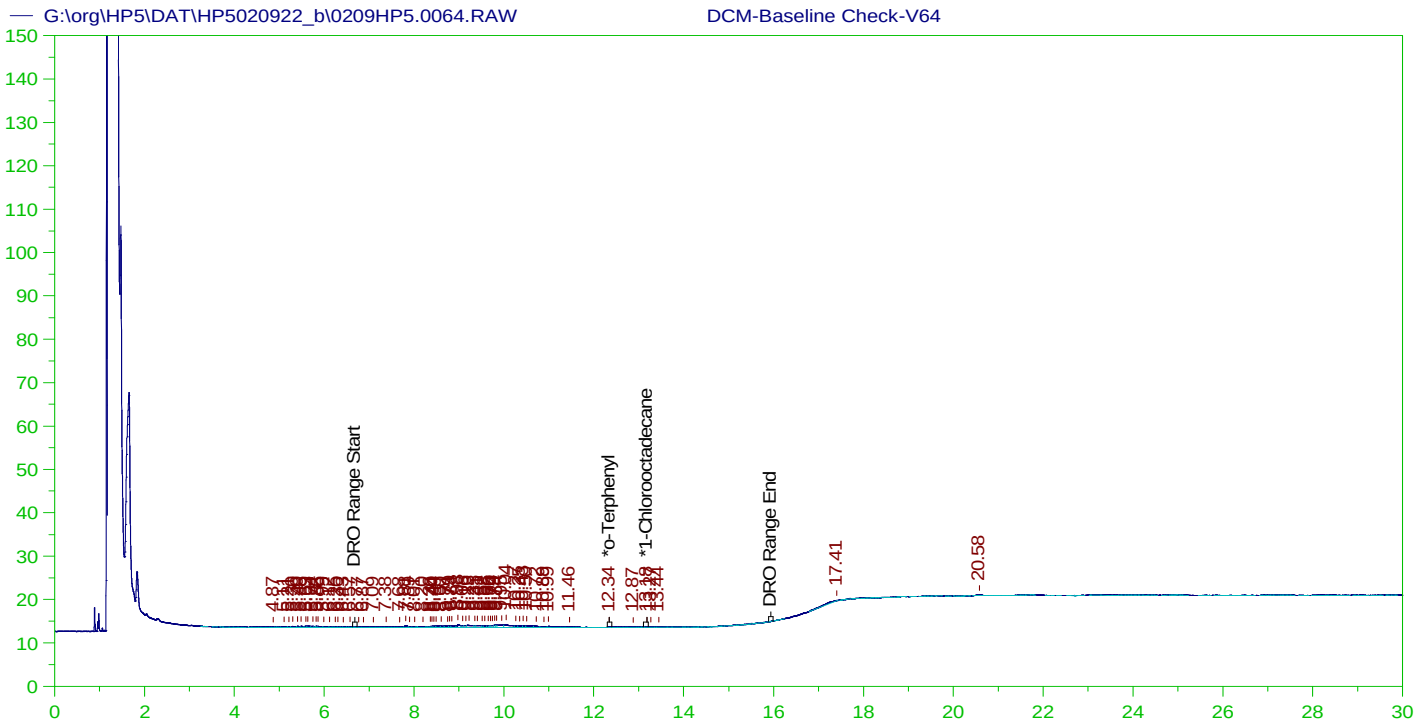


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V63
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0063.RAW
Date & Time Acquired: 2/11/2022 6:59:06 AM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.327	200.	.059	.03	-
*1-Chlorooctadecane	13.193	200.	.017	.01	-

DRO Area:131029.6 DRO Amount: 4.010044
TEH Area:144591.8 TEH Amount: 4.425102

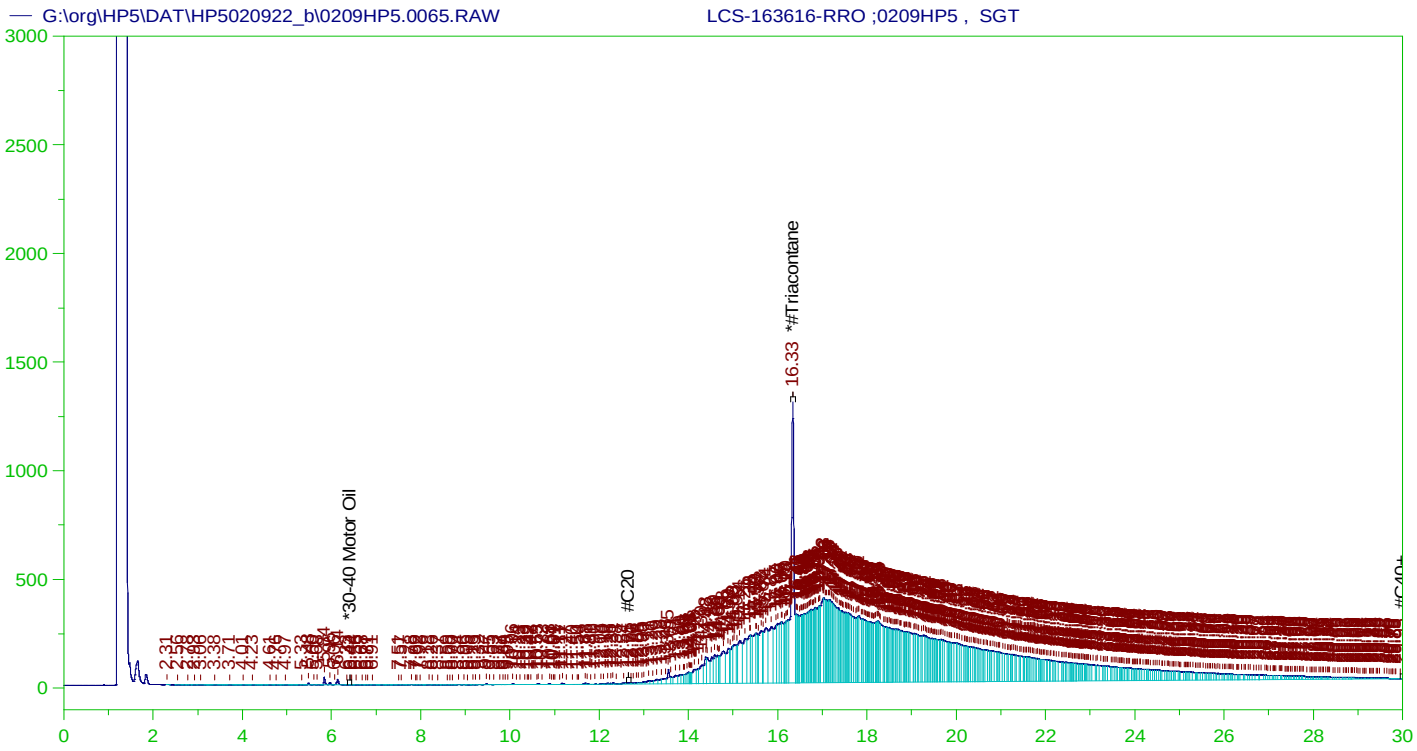


DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: DCM-Baseline Check-V64
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0064.RAW
Date & Time Acquired: 2/11/2022 7:42:51 AM
Method File: G:\Org\HP5\Methods\DR_8015-JA-LEXP.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JA.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.63 to 15.99

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.339	200.	.034	.02	-
*1-Chlorooctadecane	13.181	200.	.015	.01	-

DRO Area:83552.13 DRO Amount: 2.557038
TEH Area:121445.1 TEH Amount: 3.716717



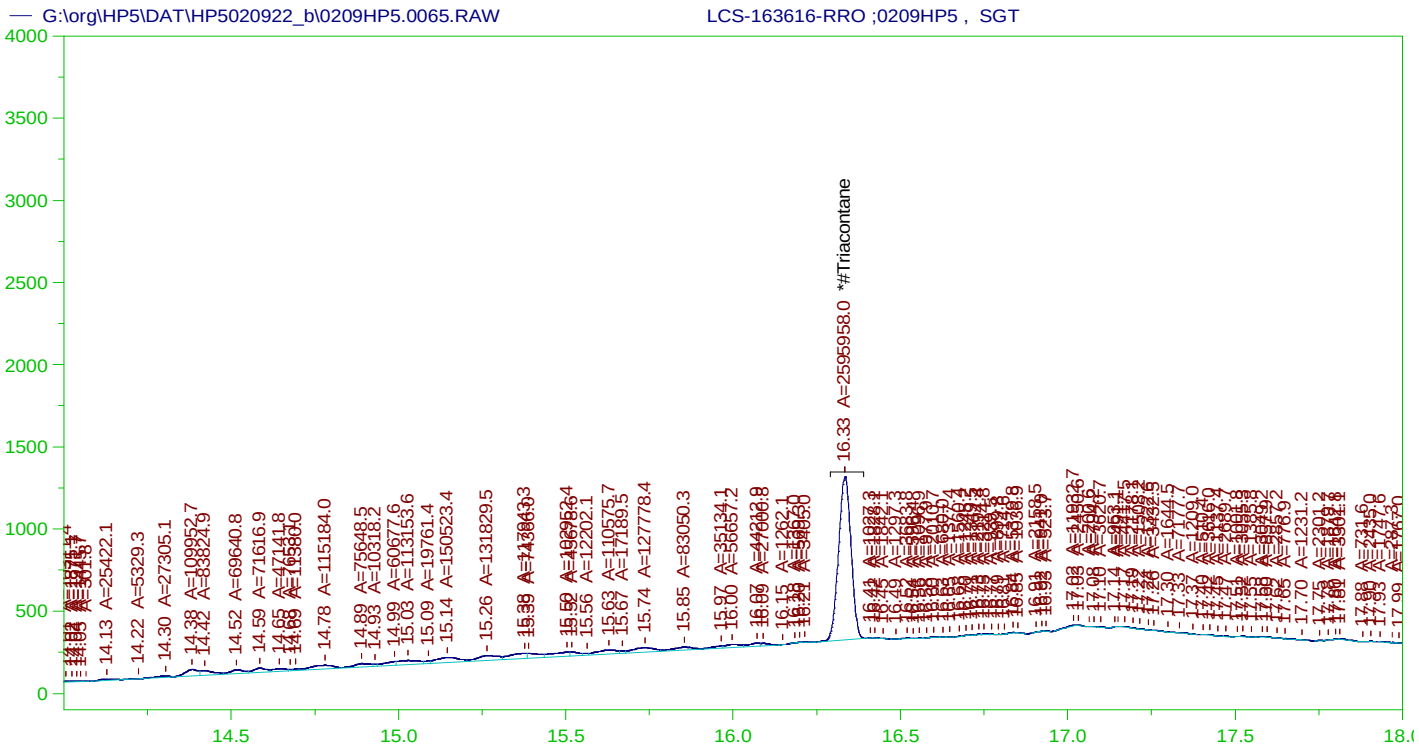
RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: LCS-163616-RRO ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0065.RAW
Date & Time Acquired: 2/11/2022 8:25:50 AM
Method File: G:\Org\HP5\Methods\D3_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.334	.5	.18	36.07	-

~~RRO~~ TEH(Oil Range) Area:1.171059E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 4.431708

AMN 02/16/2022



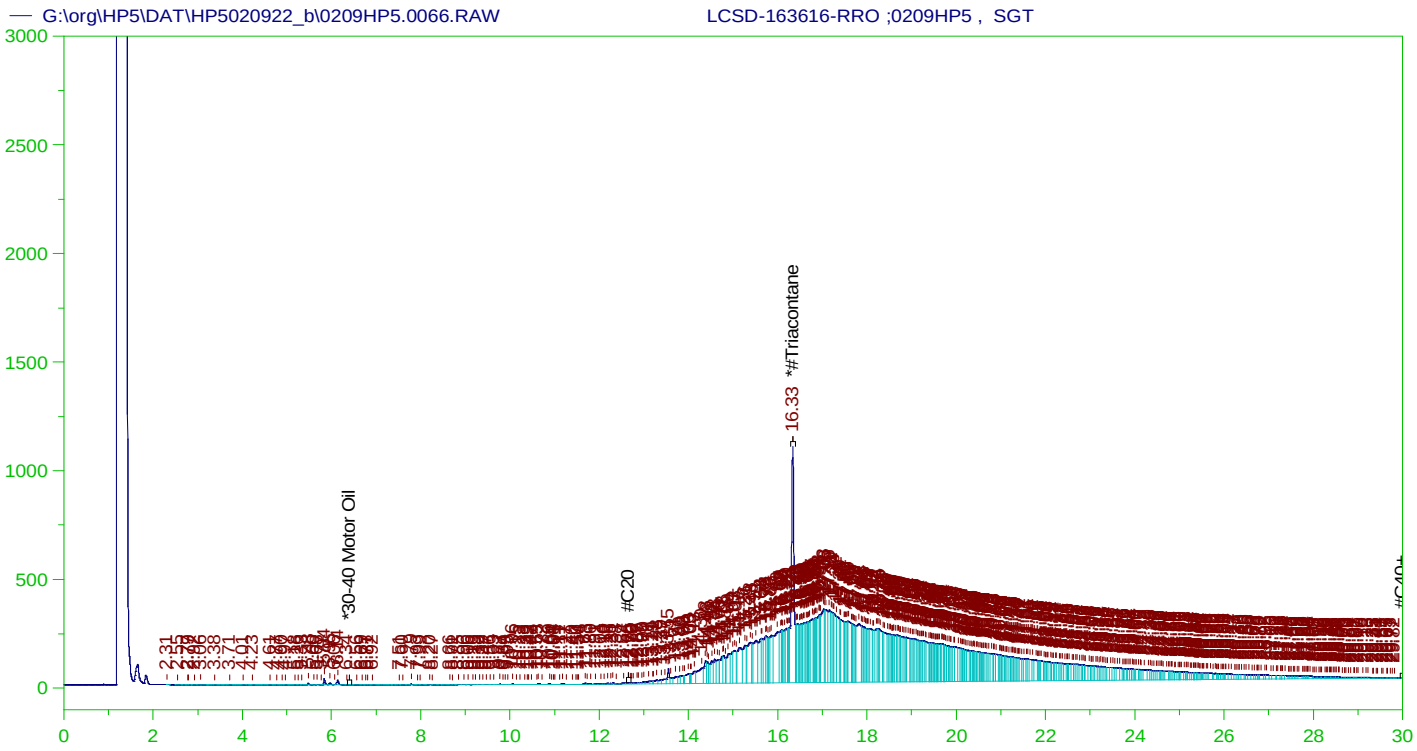
RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: LCS-163616-RRO ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0065.RAW
Date & Time Acquired: 2/11/2022 8:25:50 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.334	.5	.088	17.52	-

RRO Area:2594813 RRO AMOUNT: 9.819704E-02



RESIDUAL RANGE ORGANICS CHROMATOGRAM

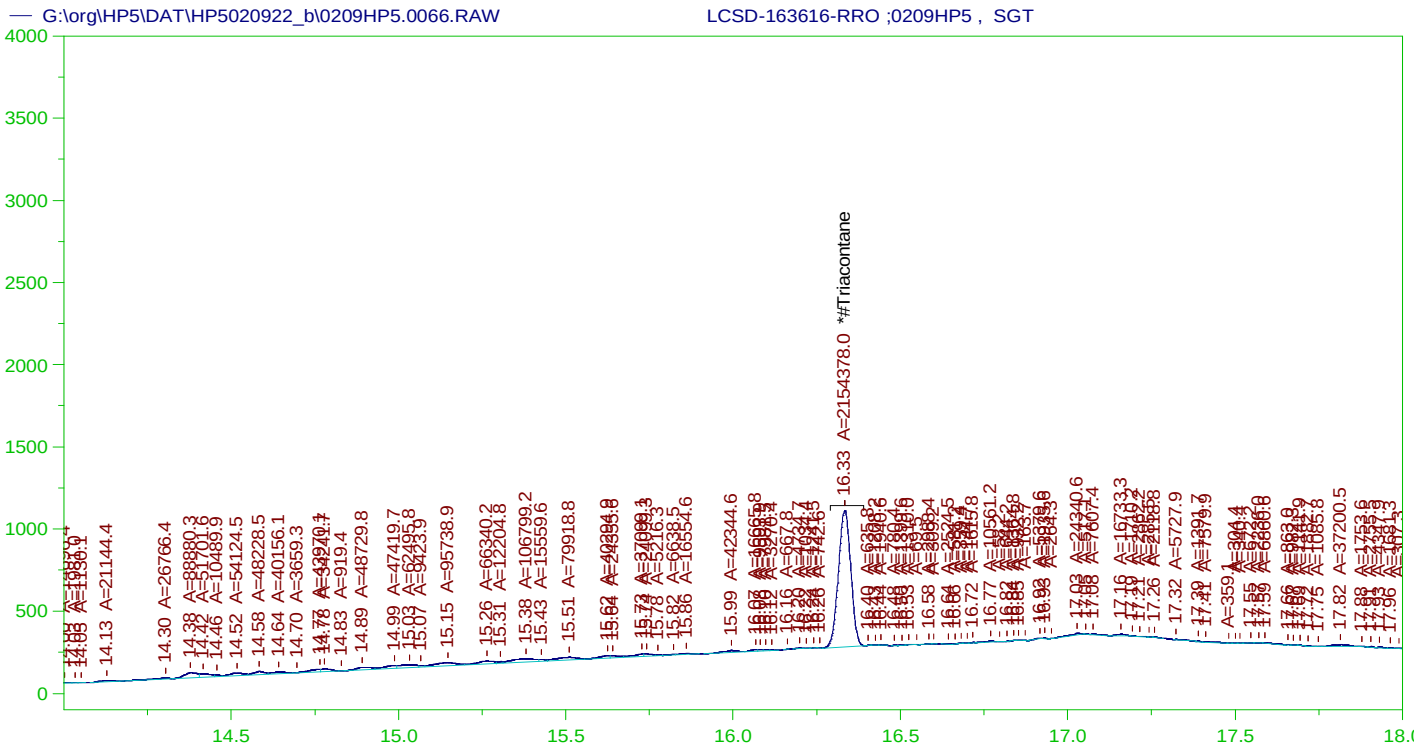
Sample Name: LCSD-163616-RRO ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0066.RAW
Date & Time Acquired: 2/11/2022 9:08:40 AM
Method File: G:\Org\HP5\Methods\D3_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.333	.5	.138	27.56	-

~~RRO~~ TEH(Oil Range) Area:1.032703E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 3.90812

AMN 02/16/2022



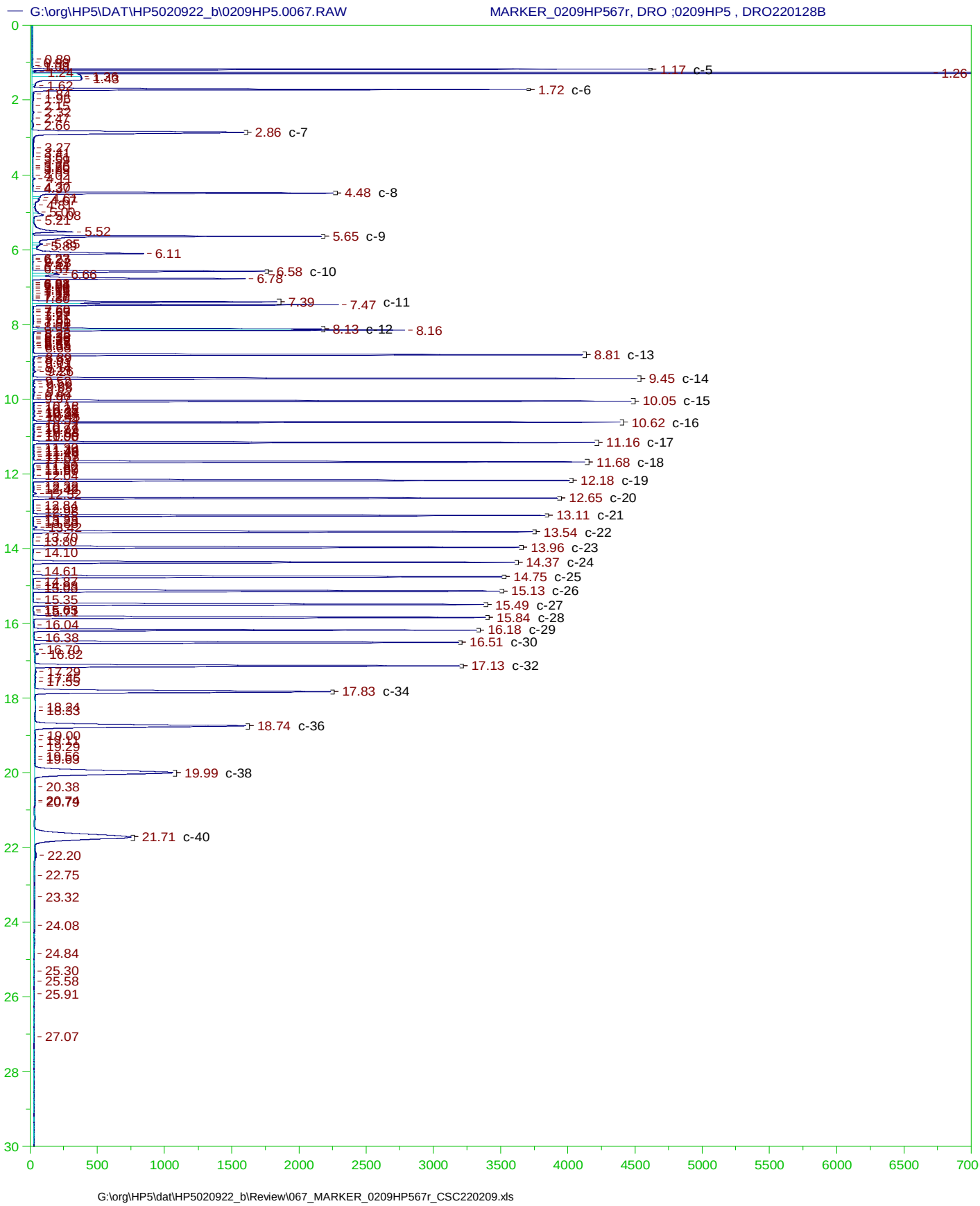
RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: LCSD-163616-RRO ;0209HP5 , SGT
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0066.RAW
Date & Time Acquired: 2/11/2022 9:08:40 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1000 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.333	.5	.073	14.54	-

RRO Area:1817065 RRO AMOUNT: 6.876428E-02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1.72 c-6
2.86 c-7
4.48 c-8
5.65 c-9
6.11
6.58 c-10
6.78
7.39
7.47 c-11
8.13 c-12
8.16
8.81 c-13
9.45 c-14
10.05 c-15
10.62 c-16
11.16 c-17
11.68 c-18
12.18 c-19
12.65 c-20
13.11 c-21
13.54 c-22
13.96 c-23
14.37 c-24
14.75 c-25
15.13 c-26
15.49 c-27
15.84 c-28
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16.51 c-30
17.13 c-32
17.83 c-34
18.74 c-36
19.99 c-38
21.71 c-40
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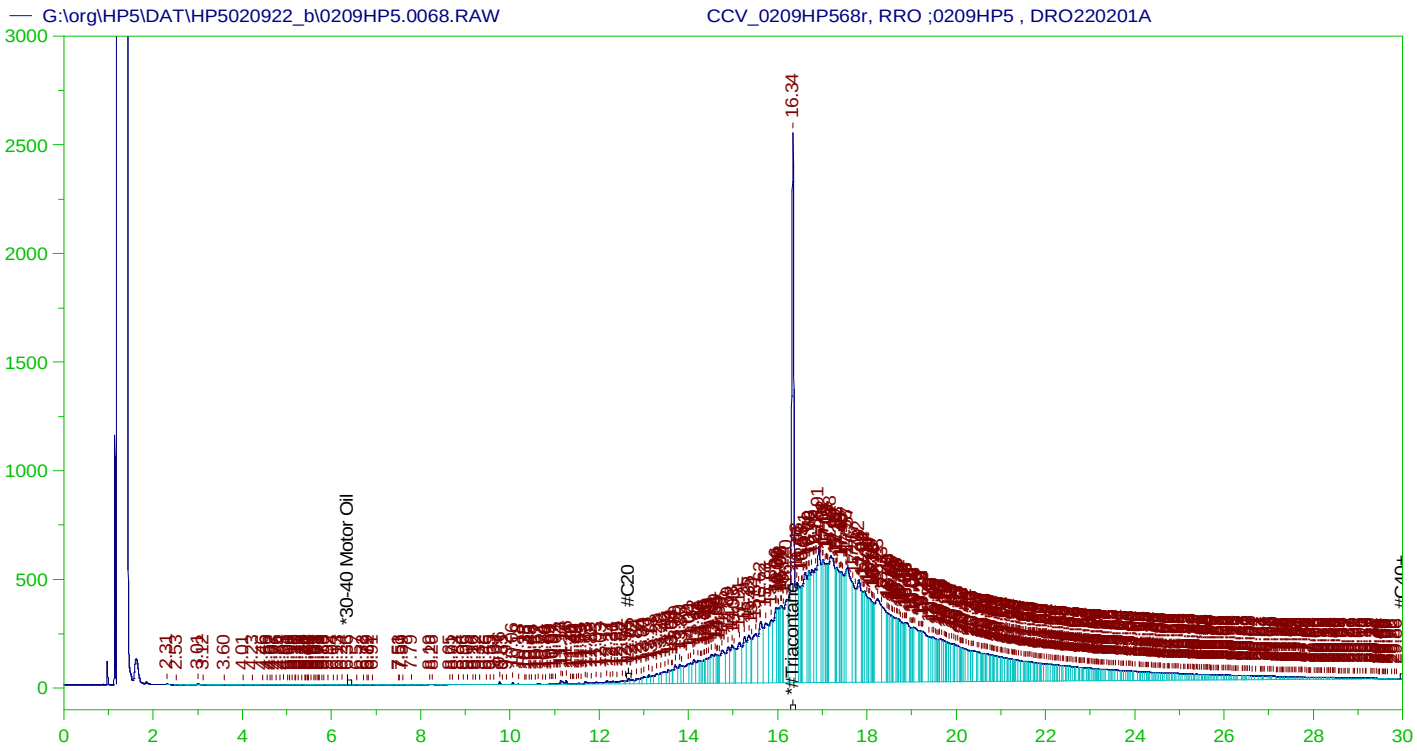


RESIDUAL RANGE ORGANICS CHROMATOGRAM
Sample Name: CCV_0209HP568r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0068.RAW
Date & Time Acquired: 2/11/2022 10:33:52 AM
Method File: G:\Org\HP5\Methods\DC_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for ~~Residual~~ TEH(Oil Range) Organics Calculations: 26424.55
Rt range for ~~Residual~~ TEH(Oil Range) Organics: 12.61 to 30.05

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.335	500.	323.122	64.62	-

~~RRO~~ TEH(Oil Range) Area:1.359928E+08 ~~RRO~~ TEH(Oil Range) AMOUNT: 5146.456

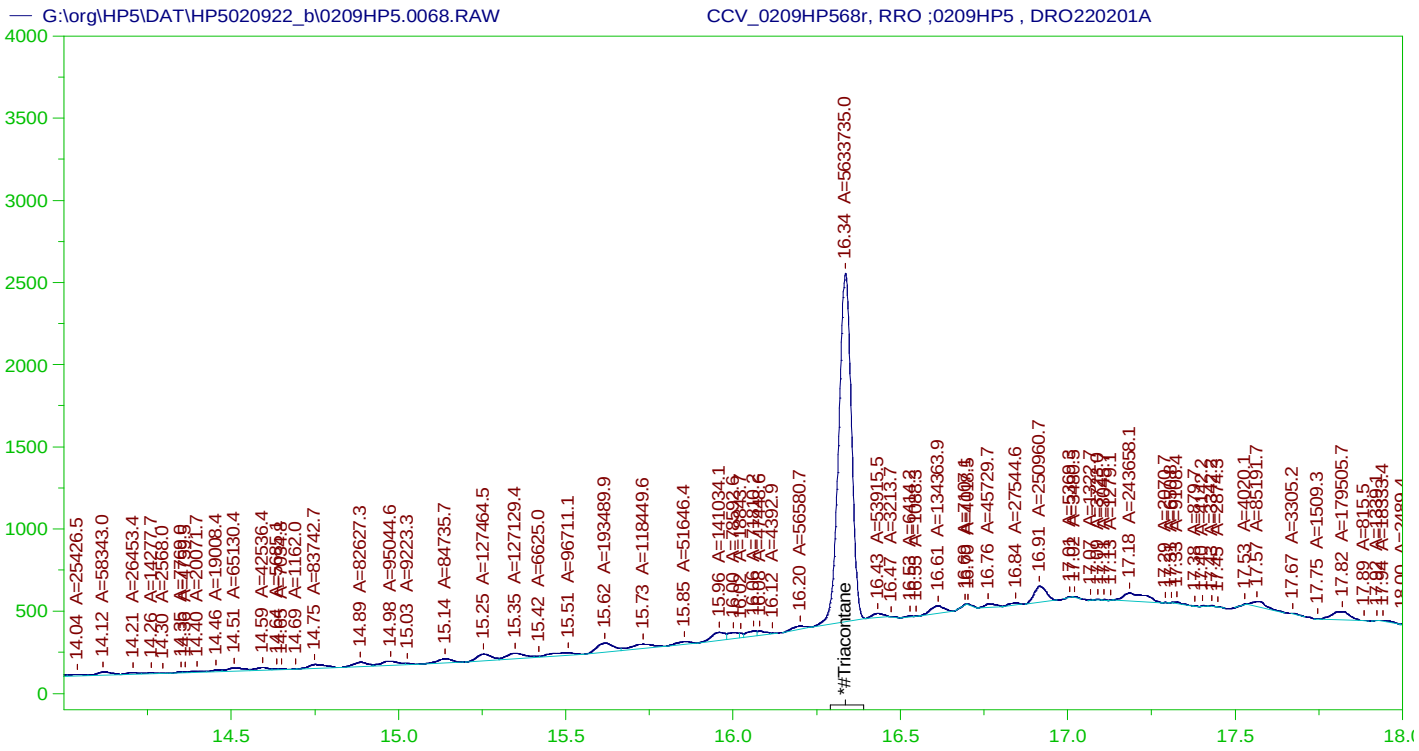
CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0068.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.045	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.335	200.	323.122	161.56	75-125

AMN 02/16/2022

G:\org\HP5\dat\HP5020922_b\Review\068_CCV_0209HP568r_DC_ORO-BE-L%.xls



RESIDUAL RANGE ORGANICS CHROMATOGRAM

Sample Name: CCV_0209HP568r, RRO ;0209HP5 , DRO220201A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0068.RAW
Date & Time Acquired: 2/11/2022 10:33:52 AM
Method File: G:\Org\HP5\Methods\DS_ORO-BE-L%.MET
Calibration File: G:\Org\HP5\Cals\SW8015C_ORO220111BE.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for for Residual Range Organics Calculations: 26424.55
Rt range for Residual Range Organics: 12.61 to 30.05

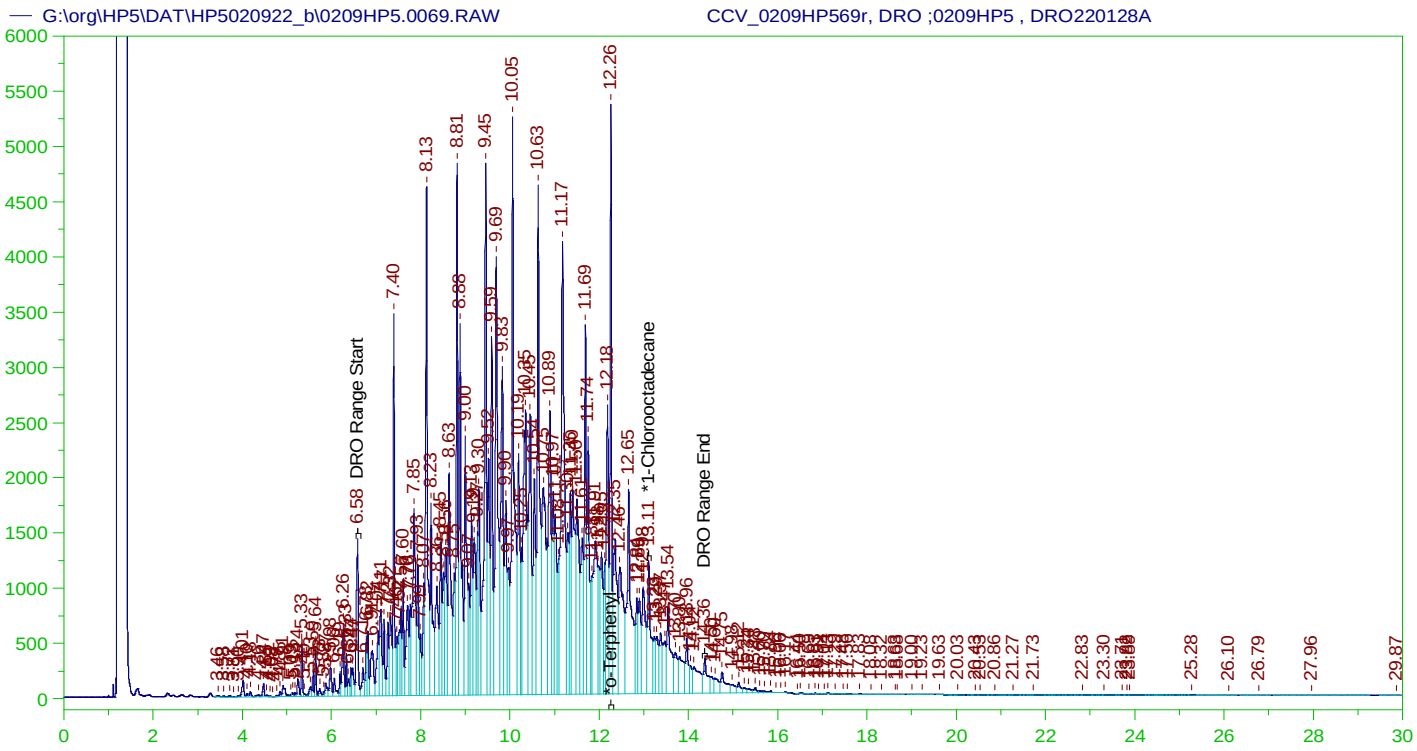
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*#Triacontane	16.335	500.	190.097	38.02	-

RRO Area:3687873 RRO AMOUNT: 139.5624

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0068.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
*30-40 Motor Oil	5000.	.045	.	75-125

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*#Triacontane	16.335	200.	190.097	95.05	75-125



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP569r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0069.RAW
Date & Time Acquired: 2/11/2022 11:16:37 AM
Method File: G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.26	200.	355.229	177.61	-
*1-Chlorooctadecane	13.106	200.	168.424	84.21	-

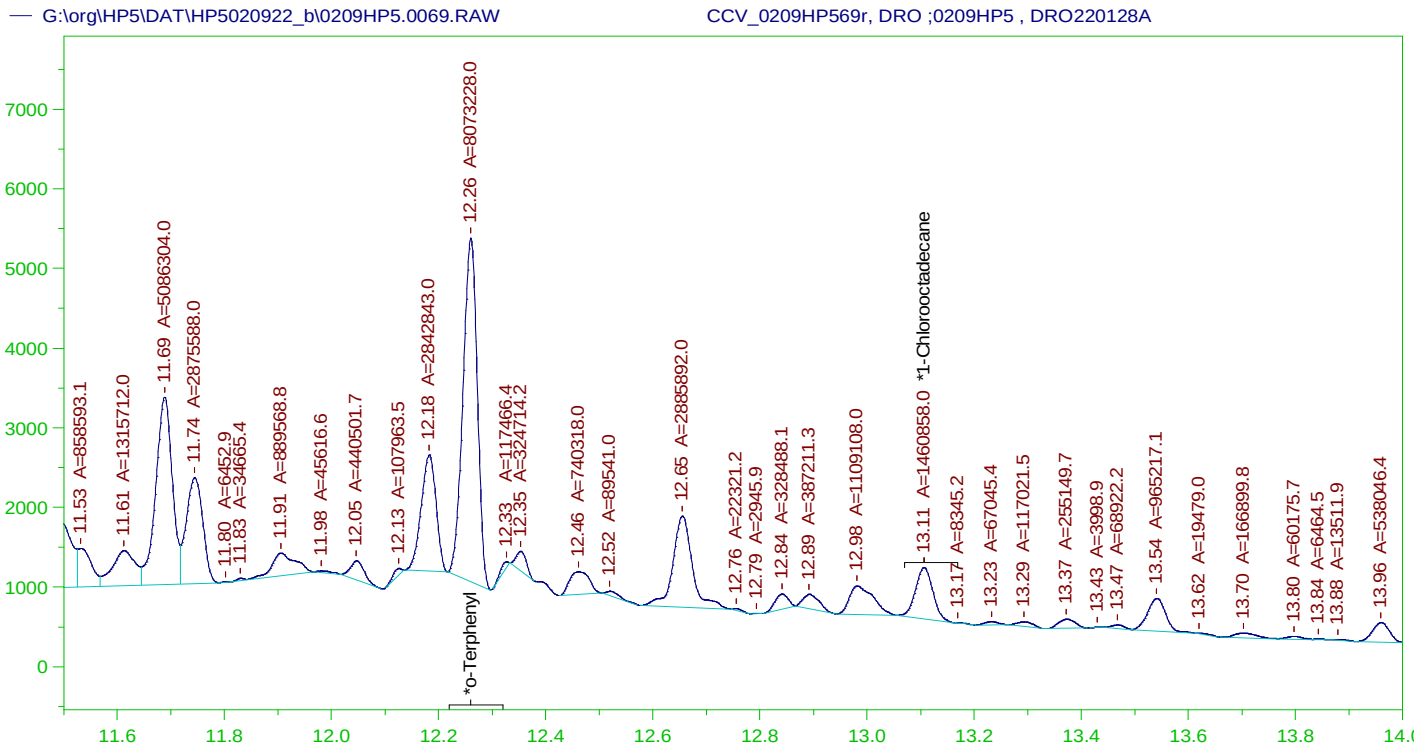
DRO Area:5.140468E+08 DRO Amount: 15731.94
TEH Area:5.313916E+08 TEH Amount: 16262.76

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0069.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	16262.76	108.42	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.26	200.	355.229	177.61	85-115
*1-Chlorooctadecane	13.106	200.	168.424	84.21	85-115

G:\org\HP5\dat\HP5020922_b\Review\069_CCV_0209HP569r_DC_8015-C24-JE-L%.xls



DIESEL RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209HP569r, DRO ;0209HP5 , DRO220128A
Raw File: G:\org\HP5\DAT\HP5020922_b\0209HP5.0069.RAW
Date & Time Acquired: 2/11/2022 11:16:37 AM
Method File: G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met
Calibration File: G:\Org\HP5\Cals\SW8015C_DRO220111JE-C24.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for TEH: 32675.36
Rt range for Diesel Range Organics: 6.56 to 14.42

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
*o-Terphenyl	12.26	200.	219.037	109.52	-
*1-Chlorooctadecane	13.106	200.	39.635	19.82	-

DRO Area:2.648386E+08 DRO Amount: 8105.146
TEH Area:2.762949E+08 TEH Amount: 8455.758

CONTINUING CALIBRATION REPORT: G:\org\HP5\DAT\HP5020922_b\0209HP5.0069.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
TOTAL DRO	15000.	8455.76	56.37	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
*o-Terphenyl	12.26	200.	219.037	109.52	85-115
*1-Chlorooctadecane	13.106	200.	39.635	19.82	85-115

Write Sequence / Data File	Insert Entries(Have the first cell for entries selected) / Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.01r	DCM-Baseline Check-V01	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.02r	DCM-Baseline Check-V02	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.03r	MARKER_0209HP503r, DRO ;0209HP5 , DRO220128B	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.04r	CCV_0209HP504r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.05r	CCV_0209HP505r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 16.35 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.06r	DCM-Baseline Check-V06	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.07r	DCM-Baseline Check-V07	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.08r	LCS-163616 ;0209HP5 ,	G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1000	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.09r	LCSD-163616 ;0209HP5 ,	G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1000	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.10r	MB-163616 ;0209HP5 ,	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1000	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.11r	B22020415-001D ;0209HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\D3_8015-C24T-JE-L%.met G:\Org\HP5\Methods\D3_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1045	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. . Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.12r	B22020415-001D-MS ;0209HP5 ,	G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1045	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.13r	DCM-Baseline Check-V13	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.14r	B22020415-011D ;0209HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1050	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.15r	B22020415-016B ;0209HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\D3_8015-020915-JE-L%.met G:\Org\HP5\Methods\D3_OROS-020915-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1060	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.16r	B22020415-017D ;0209HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1060	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.17r	B22020415-006D ;0209HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\D3_8015-C24T-JE-L%.met G:\Org\HP5\Methods\D3_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1030	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.18r	MARKER_0209HP518r, DRO ;0209HP5 , DRO220128B	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.19r	CCV_0209HP519r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.

G:\org\HP5\DAT\HP5020922_b\0209HP5.20r	CCV_0209HP520r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 16.35 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.21r	DCM-Baseline Check-V21	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.22r	DCM-Baseline Check-V22	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.23r	B22020415-022D ;0209HP5 , $HC-8015-DRO-W, Need RR to verify	G:\Org\HP5\Methods\DR_8015-C24T-JE-L0.met	1060	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.24r	B22020415-032D ;0209HP5 , $HC-8015-DRO-W, Need RR to verify	G:\Org\HP5\Methods\DR_8015-C24T-JE-L0.met	1055	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.25r	B22020415-027D ;0209HP5 , $HC-8015-DRO-W,	G:\Org\HP5\Methods\D3_8015-C24T-JE-L%.met G:\Org\HP5\Methods\D3_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1050	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.26r	B22020415-022D-MS-RRO ;0209HP5 ,	G:\Org\HP5\Methods\D3_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	990	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.27r	DCM-Baseline Check-V27	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.28r	LCS-163616-RRO ;0209HP5 , Needs RR due to electrical spike	G:\Org\HP5\Methods\D3_ORO-BE-L0.MET	1000	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.29r	DCM-Baseline Check-V29	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.30r	LCSD-163616-RRO ;0209HP5 , Lost communication did not poke vial.	G:\Org\HP5\Methods\D3_ORO-BE-L0.MET	1000	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.31r	DCM-Baseline Check-V31	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.32r	LCSD-163616-RRO ;0209HP5 , RR	G:\Org\HP5\Methods\D3_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1000	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.33r	LCS-163616-RRO ;0209HP5 , RR	G:\Org\HP5\Methods\D3_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1000	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.34r	MARKER_0209HP534r, DRO ;0209HP5 , DRO220128B-	g:\org\HP5\Methods\ICSC220209.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.35r	CCV_0209HP535r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.36r	CCV_0209HP536r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 16.35 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.37r	DCM-Baseline Check-V37	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.38r	DCM-Baseline Check-V38	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.39r	B22020415-032D ;0209HP5 , $HC-8015-DRO-W, RR	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1055	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.40r	B22020415-022D ;0209HP5 , $HC-8015-DRO-W, RR	G:\Org\HP5\Methods\DR_8015-020940-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1060	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.12 minutes. DRO and TEH had Assigned Set Baseline All Valley off at 28.39. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.50r	MARKER_0209HP550r, DRO ;0209HP5 , DRO220128B	g:\org\HP5\Methods\ICSC220209.met	1	1	1	1	0	No Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.51r	CCV_0209HP551r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.52r	CCV_0209HP552r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 16.35 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.

Ann Nebel

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Write Sequence / Data File	Insert Entries(Have the first cell for entries selected) / Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
G:\org\HP5\DAT\HP5020922_b\0209HP5.34r	MARKER_0209HP534r, DRO ;0209HP5 , DRO220128B-	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.35r	CCV_0209HP535r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.36r	CCV_0209HP536r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 16.35 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.37r	DCM-Baseline Check-V37	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.38r	DCM-Baseline Check-V38	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.41r	LCS-163616 ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1000	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.42r	LCSD-163616 ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1000	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.43r	MB-163616 ;0209HP5 , SGT	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1000	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.44r	B22020415-001D ;0209HP5 , $HC-8015-DRO-W, SGT	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1045	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.45r	B22020415-001D-MS ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1045	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.46r	DCM-Baseline Check-V46	G:\Org\HP5\Methods\D3_8015-C24-JE-L0.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.47r	B22020415-016B ;0209HP5 , $HC-8015-DRO-W, SGT	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1060	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.48r	B22020415-027D ;0209HP5 , $HC-8015-DRO-W, SGT	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1050	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.49r	B22020415-022D ;0209HP5 , $HC-8015-DRO-W, SGT	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1060	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scaling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.50r	MARKER_0209HP550r, DRO ;0209HP5 , DRO220128B	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.51r	CCV_0209HP551r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.52r	CCV_0209HP552r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 16.35 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.53r	DCM-Baseline Check-V53	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No integration.

G:\org\HP5\DAT\HP5020922_b\0209HP5.54r	B22020415-006D ;0209HP5 , $HC-8015-DRO-W, SGT	G:\Org\HP5\Methods\DR_8015-C24T-JE-L%.met G:\Org\HP5\Methods\DR_OROS-BE-L%.MET G:\Org\HP5\Methods\DS_8015-C24T-JE-L#.met	1030	1	1	1	0	The integration of Diesel Range Organics (C10-C24), C24-C40, and Total Extractable Hydrocarbons (TEH) is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 17.12 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on at 10.78 minutes and X-axis scalling showing surrogate peak from 11-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.55r	B22020415-022D-MS-RRO ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	990	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.56r	DCM-Baseline Check-V56 lost communication with GC V56-V63 did not poke, instrument just kept on running without poking vials.	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.57r	LCS-163616-RRO ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_ORO-BE-L0.MET	1000	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.58r	DCM-Baseline Check-V58	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.59r	LCSD-163616-RRO ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_ORO-BE-L0.MET	1000	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.60r	MARKER_0209HP560r, DRO ;0209HP5 , DRO220128B	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.61r	CCV_0209HP561r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L0.MET	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.62r	CCV_0209HP562r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L0.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.63r	DCM-Baseline Check-V63	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.64r	DCM-Baseline Check-Communication was acquired again with GC-V64	G:\Org\HP5\Methods\DR_8015-JA-LEXP.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.65r	LCS-163616-RRO ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1000	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.66r	LCSD-163616-RRO ;0209HP5 , SGT	G:\Org\HP5\Methods\D3_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1000	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.67r	MARKER_0209HP567r, DRO ;0209HP5 , DRO220128B	g:\org\HP5\Methods\\CSC220209.met	1	1	1	1	0	No integration.
G:\org\HP5\DAT\HP5020922_b\0209HP5.68r	CCV_0209HP568r, RRO ;0209HP5 , DRO220201A	G:\Org\HP5\Methods\DC_ORO-BE-L%.MET G:\Org\HP5\Methods\DS_ORO-BE-L%.MET	1	1	1	1	0	The integration of Oil Range hydrocarbon is the hydrocarbon response with reference to the basline. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 16.14 minutes and X-axis scaling showing surrogate peak from 14-18 minutes.
G:\org\HP5\DAT\HP5020922_b\0209HP5.69r	CCV_0209HP569r, DRO ;0209HP5 , DRO220128A	G:\Org\HP5\Methods\DC_8015-C24-JE-L%.met G:\Org\HP5\Methods\DS_8015-C24-JE-L#.met	1	1	1	1	0	The integration of Diesel Range Organics (C10-C24) and Total Extractable Hydrocarbons is the hydrocarbon response with reference to the basline. Assigned Set Baseline All Valley on at 16.35 minutes. Surrogates are integrated using a valley to valley integration using Set Basline All Valleys on placed at 12.01 minutes and X-axis scaling showing surrogate peak from 11.5-14 minutes.

Ann Nebel

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Analytical RunID GCFID-HP5-B_220111A Standards Traceability Report

Standard ID: DRO180126C
Standard Name: 2-Fluorobiphenyl
Prep Date: 1/26/2018
Exp Date: 10/31/2024
Department: dropr
Vendor: Chemservice
Lot Number: 5599700
Balance ID:
Comments:

Type: Neat
Prep By: Todd C Cooper
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
2-Fluorobiphenyl	10069		mL	10/31/2024

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220111A Standards Traceability Report

Standard ID: DRO180823A
Standard Name: 2-Bromonaphthalene
Prep Date: 8/22/2016
Exp Date: 5/31/2022
Department: dropr
Vendor: Chemservice
Lot Number: 3150700
Balance ID:
Comments:

Type: Neat
Prep By: Ann Nebel
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
2-Bromonaphthalene	10701		mL	5/31/2022

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220111A Standards Traceability Report

Standard ID: DRO181105A
Standard Name: #2 Diesel (NEAT)
Type: Neat
Prep Date: 11/5/2018
Prep By: Ann Nebel
Exp Date: 11/5/2023
Status: New
Department: dropr
Vendor: conoco
Final Volume: 250 mL
Lot Number:
Balance ID:
Comments: -18 Cloud peak. (Conoco Gas Sation 1240 S. 27th Billings, MT) 2nd Source

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
				11/5/2023

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220111A Standards Traceability Report

Standard ID: DRO200430B
Standard Name: O-Terphenyl
Prep Date: 4/30/2020
Exp Date: 9/30/2024
Department: dropr
Vendor: Chemservice
Lot Number: 9972100
Balance ID:
Comments: ID#: 6271

Type: Neat
Prep By: Ann Nebel
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
o-Terphenyl	12650	500	mg	9/30/2024

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220111A Standards Traceability Report

Standard ID: DRO201014C
Standard Name: 1-Chlorooctadecane
Prep Date: 10/14/2019
Exp Date: 12/31/2024
Department: dropr
Vendor: CSI1
Lot Number: 10809500
Balance ID:
Comments: Date Certified: 12/9/16 ; N-10042-1G; 99.5% purity

Type: Neat
Prep By: Ann Nebel
Status: Open
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
1-Chlorooctadecane	13192	1	g	12/31/2024

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220111A Standards Traceability Report

Standard ID: DRO201014D
Standard Name: n-Pentacosane
Prep Date: 10/14/2020
Exp Date: 2/28/2025
Department: dropr
Vendor: Chem Service
Lot Number: 9642200
Balance ID:
Comments: C-25; Used in AKDRO Marker

Type: Neat
Prep By: Ann Nebel
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
n-Pentacosane	13193	100	mg	2/28/2025

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220111A Standards Traceability Report

Standard ID: DRO211012B
Standard Name: #2 Diesel in Acetone 150,000 ug/mL
Prep Date: 10/12/2021
Exp Date: 11/5/2023
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: #2 Diesel in Acetone 150,000 ug/mL.

Type: Secondary
Prep By: Ann Nebel
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone EA662	14050	25	mL	11/5/2023

Stock Source	Base Units	Amount Added
DRO181105A	ug/mL	3.7507 g

Analytical RunID GCFID-HP5-B_220111A Standards Traceability Report

Standard ID: DRO211025B
Standard Name: Ali Hydro Std 1000ug/mL
Prep Date: 10/25/2021
Exp Date: 11/30/2024
Department: dropr
Vendor: Agilent
Lot Number: 0006643302
Balance ID:
Comments: Ali Hydro Std 1000ug/mL For CCVs.

Type: Primary
Prep By: Ann Nebel
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Aliphatic Hydrocarbon Standard	14434	1	mL	11/30/2024

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220111A Standards Traceability Report

Spike ID: DRO211101A
Spike Name: OTP-4000 ug/mL DCM
Prep Date: 11/1/2021
Exp Date: 9/30/2024
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: Used to Prep DRO-8015 ICAL and CCV Solutions

Type: Secondary
Prep By: Ann Nebel
Status: Open
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EC328	14408	25	mL	9/30/2024

Stock Source	Base Units	Amount Added
DRO200430B	ug/mL	0.1012 g

Analytical RunID GCFID-HP5-B_220111A Standards Traceability Report

Standard ID: DRO211214C
Standard Name: Diesel Fuel #2 50,000 ug/mL in DCM
Prep Date: 12/14/2021
Exp Date: 4/30/2023
Department: dropr
Vendor: Sigma-Aldrich
Lot Number: LRAC6316
Balance ID:
Comments: Diesel Fuel #2 For CCVs.

Type: Primary
Prep By: Ann Nebel
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Diesel Fuel No. 2	14623	1	mL	4/30/2023

Stock Source	Base Units	Amount Added
DRO211214C	ug/mL	

Analytical RunID GCFID-HP5-B_220111A Standards Traceability Report

Standard ID: DRO211222B
Standard Name: EPH (4) SURR-1000 ug/mL ea. in Hexane
Prep Date: 12/22/2021
Exp Date: 5/31/2022
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: EPH (4) SURR-1000 ug/mL ea. in Hexane

Type: Secondary
Prep By: Jillian L Bostwick
Status: Open
Final Volume: 50 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Hexane EB754	14543	50	mL	5/31/2022

Stock Source	Base Units	Amount Added
DRO180823A	ug/mL	0.0507 g
DRO200430B	ug/mL	0.0504 g
DRO180126C	ug/mL	0.0496 g
DRO201014C	ug/mL	0.0504 g

Analytical RunID GCFID-HP5-B_220111A Standards Traceability Report

Standard ID: DRO220102D
Standard Name: ALASKA MARKER-200ug/mL
Type: Secondary
Prep Date: 1/2/2022
Prep By: Ann Nebel
Exp Date: 5/31/2022
Status: New
Department: dropr
Vendor:
Final Volume: 5.5 mL
Lot Number:
Balance ID:
Comments: ALASKA MARKER w/ C-10, C-25, and OTP/COD. Optimal C-25 is 0.0012g.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Hexane EB754	14543	3.3	mL	5/31/2022

Stock Source	Base Units	Amount Added
DRO201014D	ug/mL	0.0016 g
DRO211222B	ug/mL	1.1 mL
DRO211025B	ug/mL	1.1 mL

Certificate of Analysis

Diesel Fuel No. 2

Certified Reference Material

Description

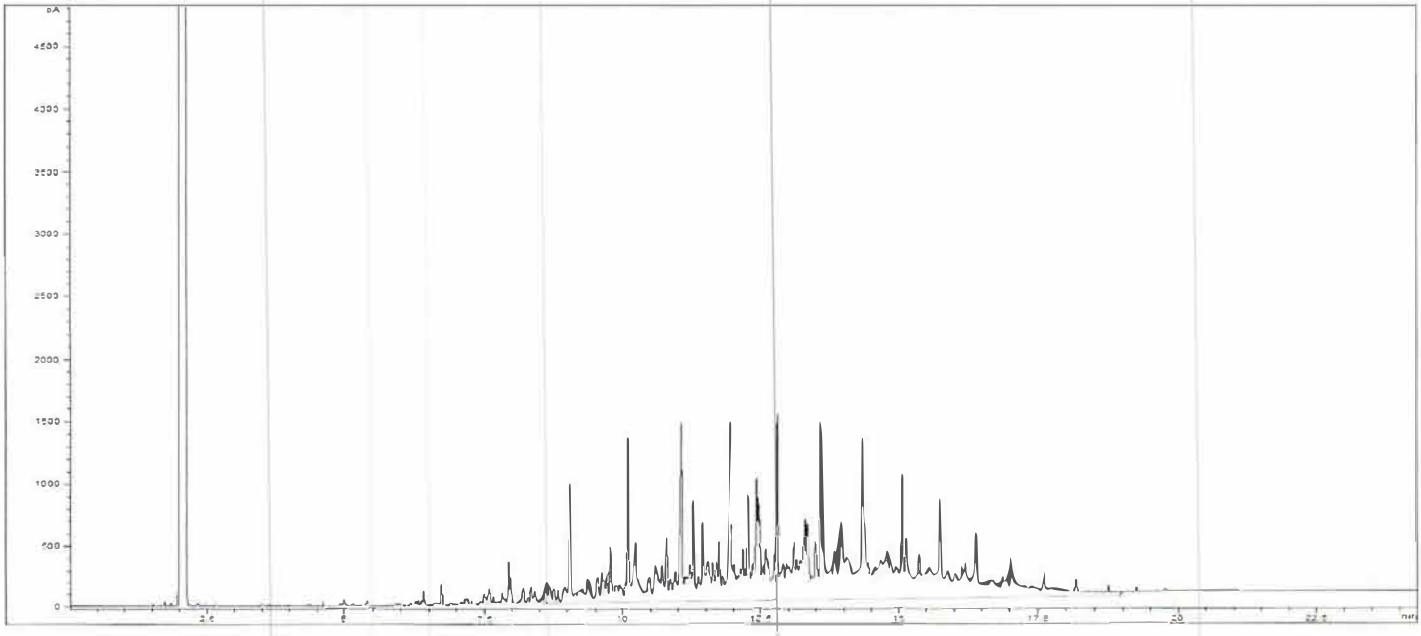
Product ID UST148
Lot **LRAC6316**
Expiration Date April 2023
Manufacturing Date April 2020
Storage Conditions Room Temperature
Solvent/Matrix DICHLOROMETHANE

ID #: 14623
Opened:_____
Diesel Fuel No. 2
Expires: 4/30/2023
Rec'd: 12/14/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certified Values

Analyte	*Certified Value* [1,4]	*Units*	*Raw Material Purity,%*	*Raw Material Lot*	*CAS*
NO.2 FUEL OIL	50001 ± 2770	µg/mL	100.0	LA80505	68476-34-6

Informational Values



Additional Information:

Analytical Method Parameters:
Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #214)
Carrier Gas: H2, Flow: 4.0 mL/min
Inlet Temperature: 250 °C, Injection Volume: 1.0 µL
Injection Mode: Split, Split Ratio: 10: 1
Temperature Program: 40 °C (Hold 2 min) @ 15 °C/min to 300 °C (Hold 5 min)
Detector: FID
Detector Temperature: 300 °C

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
800-325-5832
TechService@milliporesigma.com www.sigma-aldrich.com

Description

Lot LRAC6316
Expiration Date April 2023
Manufacturing Date April 2020
Storage Conditions Room Temperature
Solvent/Matrix DICHLOROMETHANE

1 **Metrological traceability**: Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. Tho balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
4 Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u^2_{char} + u^2_{homogeneity} + u^2_{stability}}$$

k: Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence interval = 95%**

6 Analytical Value- For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

Traceability: The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were preformed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Homogeneity: Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

Expiration is at end of month given on certificate and label.

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH **ISO/IEC 17025:2017 (ANAB Cert AT-1467)** and **ISO 17034:2016 (ANAB Cert AR-1470).**

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Certification Date April 30, 2020
Version 0-4302020

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

o-Terphenyl

CATALOG NUMBER	N-12693-500MG
LOT NUMBER	9972100
DATE CERTIFIED	09/23/19
EXPIRATION DATE	09/30/24
CAS NUMBER	84-15-1
MOLECULAR FORMULA	C18H14
MOLECULAR WEIGHT	230.32
STORAGE	Store in a cool dry place.
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
GC/MS SPECTRA ID	MATCHES NIST DATABASE
MELTING POINT (°C)	57.1
% PURITY (GC/FID)	99.5

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

ID #: 12650
Opened:_____
o-Terphenyl
Expires: 9/30/2024
Rec'd: 4/30/2020
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015

PJLA Reference Material Producer

PJLA Testing

COA Form
Revision 3 (3/2015)

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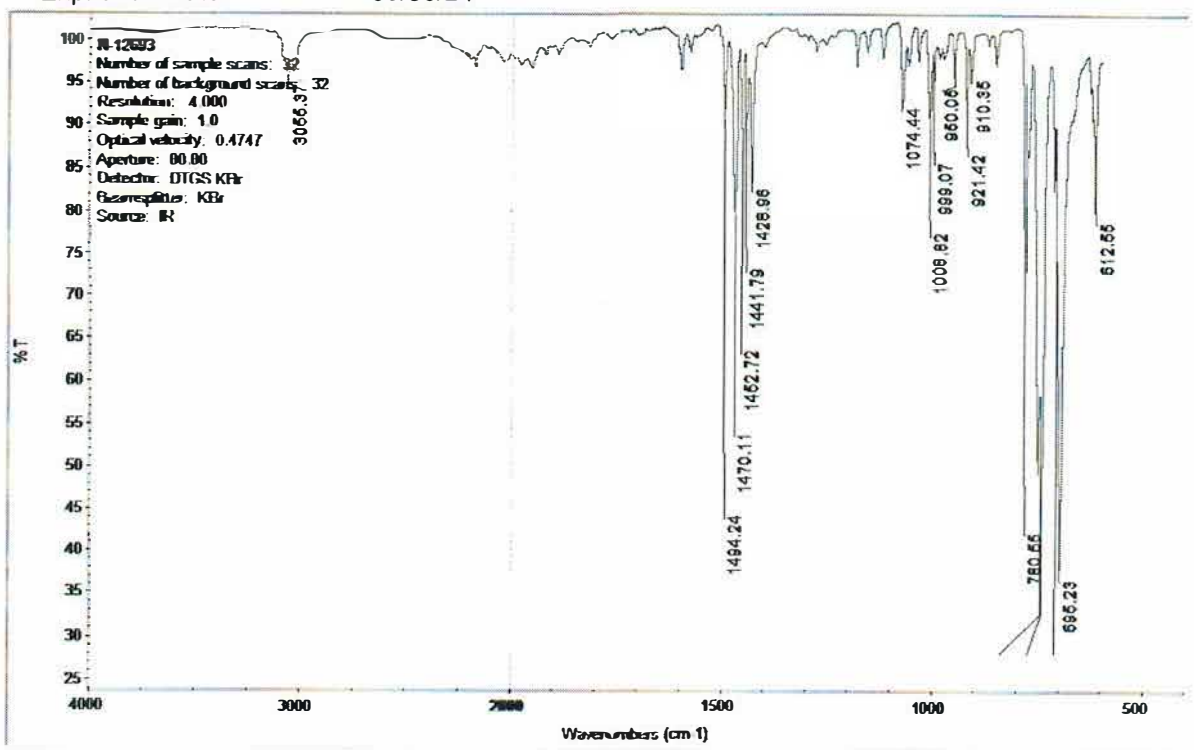
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24



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CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24

Chem Service Inc Area Percent Report

Data File: D:\msdchem\2019 DATA\0919\0923-01.D
Acq On : 23 Sep 2019 10:40
Operator :
Sample : n-12693
Misc :
ALS Vial : 95

Integration Parameters: autoint1.e
Integrator: ChemStation

DataAcq Meth:SCREEN.M
Method : D:\msdchem\2019 DATA\0919\0903-09.D\ERIN.M

Signal : TIC: 0923-01.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.844	1597	1606	1613	BB	32038221	432253484	100.00%	100.000%

Sum of corrected areas: 432253484

ERIN.M Mon Sep 23 10:55:51 2019

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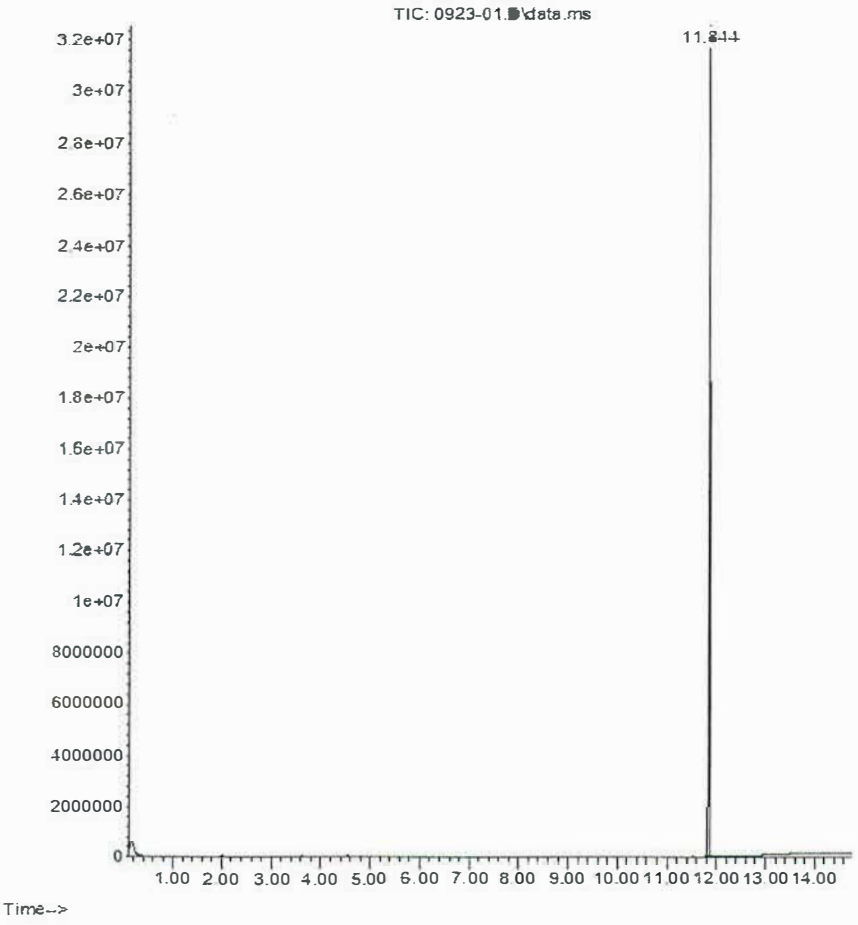
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24



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1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
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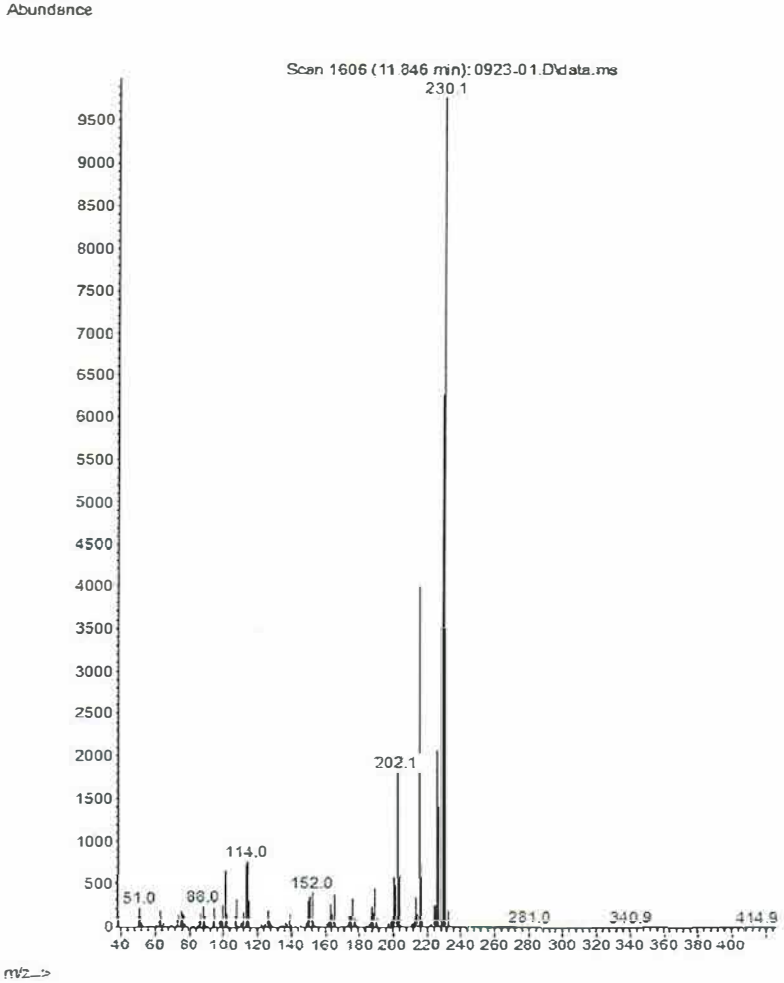
CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24



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info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24

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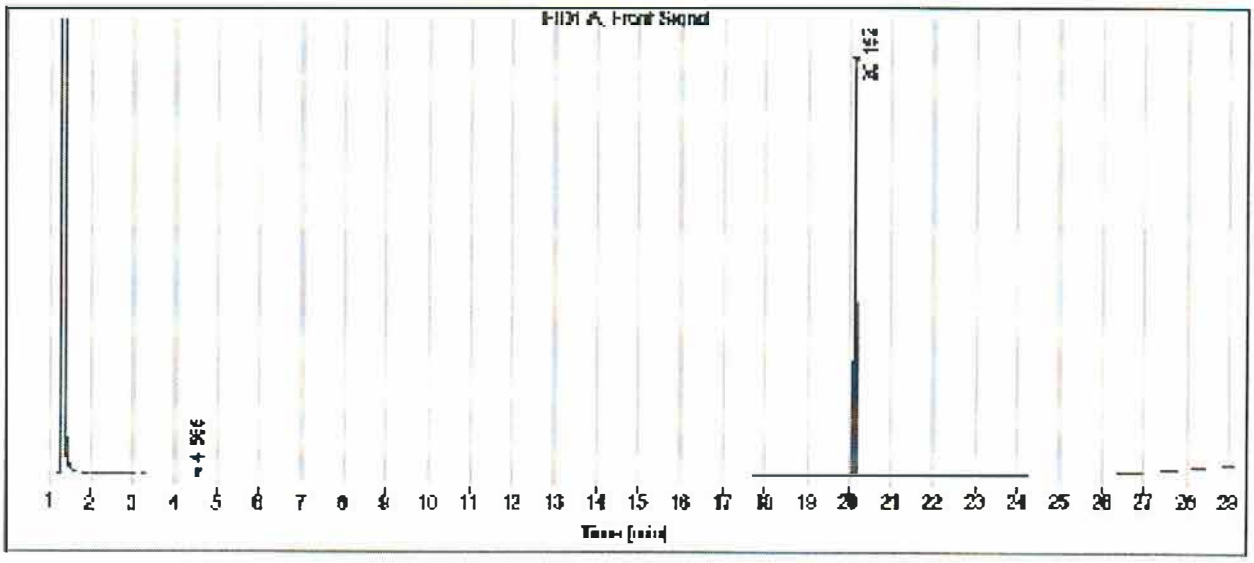
info@chemservice.com • www.chemservice.com

Gas

CERTIFICATE OF ANALYSIS

Data file:	C:\CHEM32		
Sample name:	N-12693		
Instrument:	GC 2	**Sample type:**	Sample
Injection date:	9/23/2019 9:56:34 AM	**Location:**	Vial 141
Acq. method:	SCREEN.M	**Injection volume:**	1.0uL
Column name:	HP-5		



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
4.565	BB	0.0305	1.2408	0.5122	0.11
20.152	BB	0.0391	1171.9556	439.4599	99.89
		Sum	1173.1963		

Analytical RunID GCFID-HP5-B_220111c Standards Traceability Report

Standard ID: DRO210406A
Standard Name: Triacontane-d62 Surr For AK103 RRO
Type: Neat
Prep Date: 4/6/2021
Prep By: Ann Nebel
Exp Date: 4/6/2026
Status: New
Department: dropr
Vendor: Sigma-Aldrich
Final Volume: mL
Lot Number: MBBC4347
Balance ID:
Comments: Alaska surr [for AK103 RRO]

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Triacontane-d62-98 atom % D	13736		mL	4/6/2026

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220111c Standards Traceability Report

Standard ID: DRO210901A
Standard Name: 30W Motor Oil-Valvoline
Type: Primary
Prep Date: 9/1/2021
Prep By: Jillian L Bostwick
Exp Date: 9/1/2026
Status: New
Department: dropr
Vendor:
Final Volume: mL
Lot Number: F1620C1
Balance ID:
Comments: Used to make 2nd Source Standard for AK103 method.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Valvoline SAE 30 Motor Oil	14232		mL	9/1/2026

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220111c Standards Traceability Report

Standard ID: DRO210901B
Standard Name: 40W Motor Oil-Valvoline
Type: Primary
Prep Date: 9/1/2021
Prep By: Jillian L Bostwick
Exp Date: 9/1/2026
Status: New
Department: dropr
Vendor:
Final Volume: mL
Lot Number: L0717H2
Balance ID:
Comments: Used to Make 2nd Source Standards For Alaska AK103 RRO Method and Oil

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Valvoline SAE 40 Motor Oil	14231		mL	9/1/2026

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220111c Standards Traceability Report

Standard ID: DRO210902A
Standard Name: 50,000 ug/mL Oil Std for RRO-In DCM
Prep Date: 9/2/2021
Exp Date: 9/1/2026
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: .625 g of 30W and 40 W each LCS for Oil range

Type: Secondary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EB867	14196	25	mL	9/1/2026

Stock Source	Base Units	Amount Added
DRO210901A	ug/mL	0.6254 g
DRO210901B	ug/mL	0.6261 g

Analytical RunID GCFID-HP5-B_220111c Standards Traceability Report

Standard ID: DRO211006A
Standard Name: Triacontane SURR 2000 ug/mL
Prep Date: 10/6/2021
Exp Date: 4/6/2026
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: Triacontane SURR 2000 ug/mL

Type: Secondary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 50 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	50	mL	4/6/2026

Stock Source	Base Units	Amount Added
DRO210406A	ug/mL	0.1001 g

Analytical RunID GCFID-HP5-B_220111c Standards Traceability Report

Standard ID: DRO211118A
Standard Name: 50,000 ug/mL Oil Std For AK103 RRO-In DCM
Prep Date: 11/18/2021
Exp Date: 10/31/2028
Department: dropr
Vendor: Restek
Lot Number: A0176667
Balance ID: Sartorius 4 place balance
Comments:

Type: Primary
Prep By: Ann Nebel
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Residual Range Calibration Standard	14531	1	mL	10/31/2028

Stock Source	Base Units	Amount Added
DRO211118A	ug/mL	

Ana

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31817 **Lot No.:** A0176667

Description : Residual Range Calibration Standard (RCS)

Residual Range Calib Std (RCS) 50,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2028 **Storage:** 25°C nominal

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Motor Oil SAE30 & SAE40 Blend (Pennzoil)	50,102.0 µg/mL	+/- 293.3582 µg/mL	Gravimetric
	CAS # 64742-65-0.F (Lot A0126386)		+/- 1,492.1008 µg/mL	Unstressed
	Purity ----%		+/- 1,591.3244 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

ID #: 14531
Opened:
Residual RangeCalibration Standard
Expires: 10/31/2028
Rec'd: 11/18/2021
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

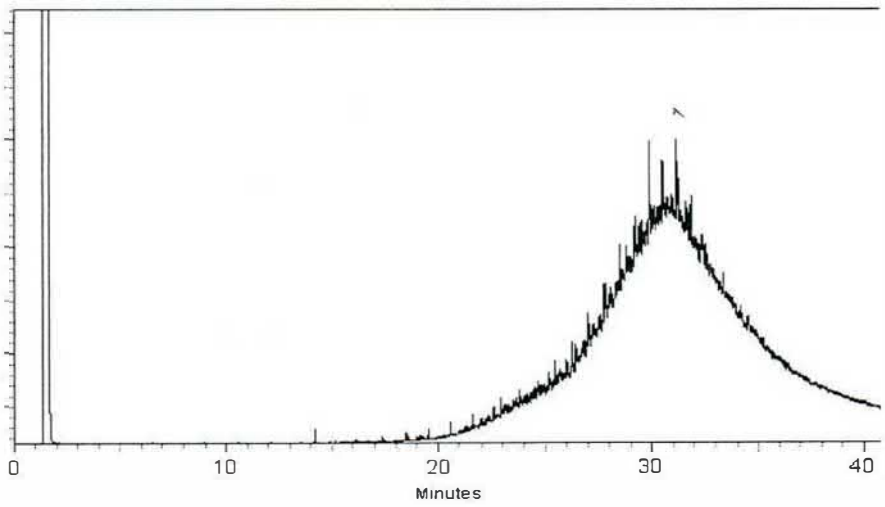
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 22-Sep-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 23-Sep-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

SIGMA-ALDRICH
sigma-aldrich.com
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Triacontane-d62 - 98 atom % D

Product Number:	**451789**
Batch Number:	**MBBC4347**
Brand:	ALDRICH
CAS Number:	93952-07-9
MDL Number:	MFCD00209794
Formula:	C30D62
Formula Weight:	485.20 g/mol
Quality Release Date:	27 APR 2018

$CD_3(CD_2)_{28}CD_3$

ID #: 13736
Opened:_____
Triacontane-d62-98 atom % D
Expires: 4/6/2026
Rec'd: 4/6/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Test	Specification	Result
Purity (HPLC)	≥ 99.0 %	99.0 %
Proton NMR Spectrum	Conforms to Structure	Conforms
D Enrichment	≥ 98.0 %	99.0 %
Initial Melting Point		60.0 °C
Final Melting Point		62.0 °C

Greg Abernathy, Supervisor
Quality Control
Miamisburg, Ohio US

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO181105A
Spike Name: #2 Diesel (NEAT)
Prep Date: 11/5/2018
Exp Date: 11/5/2023
Department: dropr
Vendor: conoco
Lot Number:
Balance ID:
Comments: -18 Cloud peak. (Conoco Gas Sation 1240 S. 27th Billings, MT) 2nd Source

Type: Neat
Prep By: Ann Nebel
Status: New
Final Volume: 250 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
				11/5/2023

Stock Source	Base Units	Amount Added

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO200430B
Spike Name: O-Terphenyl
Prep Date: 4/30/2020
Exp Date: 9/30/2024
Department: dropr
Vendor: Chemservice
Lot Number: 9972100
Balance ID:
Comments: ID#: 6271

Type: Neat
Prep By: Ann Nebel
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
o-Terphenyl	12650	500	mg	9/30/2024

Stock Source	Base Units	Amount Added

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO210406A
Spike Name: Triacontane-d62 Surr For AK103 RRO
Prep Date: 4/6/2021
Exp Date: 4/6/2026
Department: dropr
Vendor: Sigma-Aldrich
Lot Number: MBBC4347
Balance ID:
Comments: Alaska surr [for AK103 RRO]

Type: Neat
Prep By: Ann Nebel
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Triacontane-d62-98 atom % D	13736	500	mg	4/6/2026

Stock Source	Base Units	Amount Added

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO210901A
Spike Name: 30W Motor Oil-Valvoline
Prep Date: 9/1/2021
Exp Date: 9/1/2026
Department: dropr
Vendor:
Lot Number: F1620C1
Balance ID:
Comments: Used to make 2nd Source Standard for AK103 method.

Type: Primary
Prep By: Jillian L Bostwick
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Valvoline SAE 30 Motor Oil	14232		mL	9/1/2026

Stock Source	Base Units	Amount Added

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO210901B
Spike Name: 40W Motor Oil-Valvoline
Prep Date: 9/1/2021
Exp Date: 9/1/2026
Department: dropr
Vendor:
Lot Number: L0717H2
Balance ID:
Comments: Used to Make 2nd Source Standards For Alaska AK103 RRO Method and Oil

Type: Primary
Prep By: Jillian L Bostwick
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Valvoline SAE 40 Motor Oil	14231		mL	9/1/2026

Stock Source	Base Units	Amount Added

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO210902A
Spike Name: 50,000 ug/mL Oil Std for RRO-In DCM
Prep Date: 9/2/2021
Exp Date: 9/1/2026
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: .625 g of 30W and 40 W each LCS for Oil range

Type: Secondary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EB867	14196	25	mL	9/1/2026

Stock Source	Base Units	Amount Added
DRO210901A	ug/mL	0.6254 g
DRO210901B	ug/mL	0.6261 g

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO210902B
Spike Name: 30,000 ug/mL Oil Std For RRO-In DCM
Prep Date: 9/2/2021
Exp Date: 9/1/2026
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments:

Type: Secondary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 4 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EB867	14196	1.6	mL	9/1/2026

Stock Source	Base Units	Amount Added
DRO210902A	ug/mL	2.4 mL

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO210902C
Spike Name: 3,000 ug/mL Oil Std For MDLS-In DCM
Prep Date: 9/2/2021
Exp Date: 9/1/2026
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: 100 uL for MDL = .3 mg/L

Type: Secondary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 4 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EB867	14196	3.6	mL	9/1/2026

Stock Source	Base Units	Amount Added
DRO210902B	ug/mL	0.4 mL

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO211006A
Spike Name: Triacontane SURR 2000 ug/mL
Prep Date: 10/6/2021
Exp Date: 4/6/2026
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: Triacontane SURR 2000 ug/mL

Type: Primary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 50 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	50	mL	4/6/2026

Stock Source	Base Units	Amount Added
DRO210406A	ug/mL	0.1001 g

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO211006B
Spike Name: Triacontane SURR 20 ug/mL
Prep Date: 10/6/2021
Exp Date: 4/6/2026
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: 100X dilution of Triacontane SURR 2000 ug/mL

Type: Secondary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 4 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	3.96	mL	4/6/2026

Stock Source	Base Units	Amount Added
DRO211006A	ug/mL	40 uL

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO211213A
Spike Name: OTP only SURR 2000 ug/mL
Prep Date: 12/13/2021
Exp Date: 9/30/2024
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: OTP SURR 2000 ug/mL

Type: Primary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 100 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	100	mL	9/30/2024

Stock Source	Base Units	Amount Added
DRO200430B	ug/mL	0.2015 g

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO220106C
Spike Name: #2 Diesel in Acetone 150,000 ug/mL
Prep Date: 1/6/2022
Exp Date: 11/5/2023
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments:

Type: Secondary
Prep By: Ann Nebel
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	25	mL	11/5/2023

Stock Source	Base Units	Amount Added
DRO181105A	ug/mL	3.7506 g

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO220112A
Spike Name: 50,000 ug/mL Oil Std for RRO-In DCM
Type: Secondary
Prep Date: 1/12/2022
Prep By: Jillian L Bostwick
Exp Date: 9/1/2026
Status: New
Department: dropr
Vendor:
Final Volume: 25 mL
Lot Number:
Balance ID: BAL-DRO
Comments: .625 g of 30W and 40 W each LCS for Oil range

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EC832	14647	25	mL	9/1/2026

Stock Source	Base Units	Amount Added
DRO210901A	ug/mL	0.6225 g
DRO210901B	ug/mL	0.6273 g

Prep Batch 163616 Standards Traceability Report

Spike ID: DRO220119A
Spike Name: Triacontane SURR 1000 ug/mL
Prep Date: 1/19/2022
Exp Date: 4/6/2026
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: 2X dilution of Triacontane SURR 2000 ug/mL

Type: Secondary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EC849	14747	5	mL	4/6/2026

Stock Source	Base Units	Amount Added
DRO211006A	ug/mL	5 mL

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

o-Terphenyl

CATALOG NUMBER	N-12693-500MG
LOT NUMBER	9972100
DATE CERTIFIED	09/23/19
EXPIRATION DATE	09/30/24
CAS NUMBER	84-15-1
MOLECULAR FORMULA	C18H14
MOLECULAR WEIGHT	230.32
STORAGE	Store in a cool dry place.
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
GC/MS SPECTRA ID	MATCHES NIST DATABASE
MELTING POINT (°C)	57.1
% PURITY (GC/FID)	99.5

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

ID #: 12650
Opened:_____
o-Terphenyl
Expires: 9/30/2024
Rec'd: 4/30/2020
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

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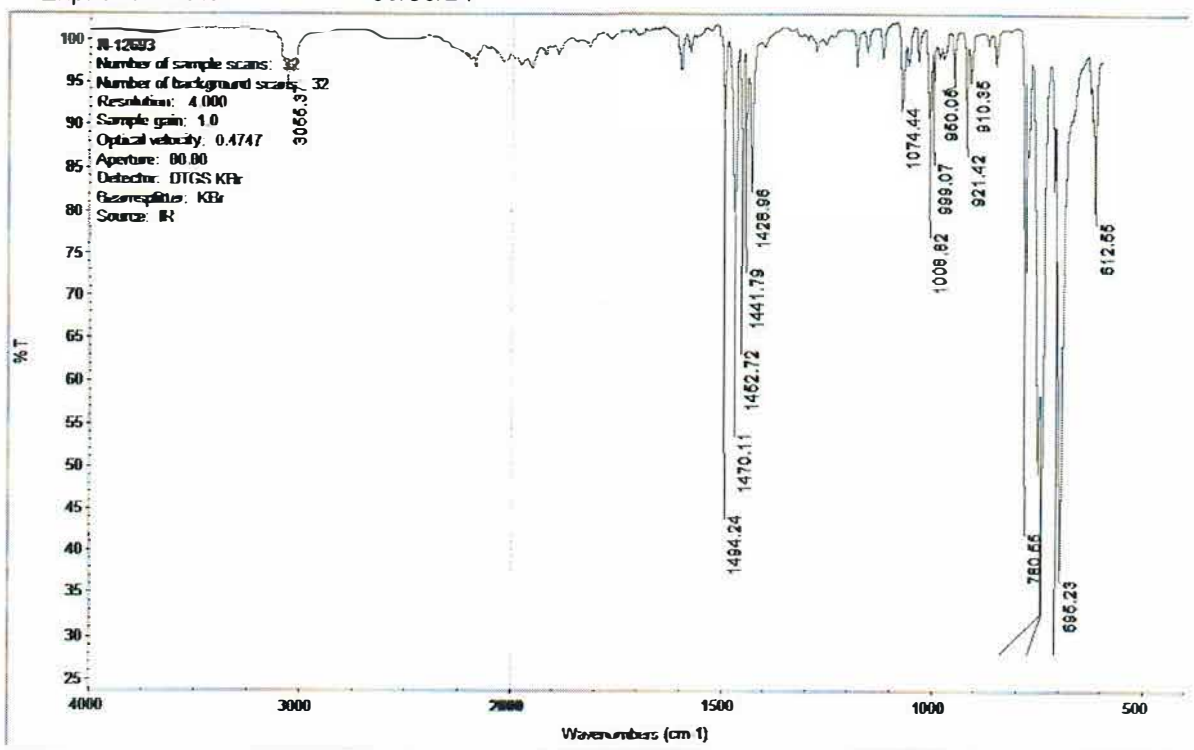
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24



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CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24

Chem Service Inc Area Percent Report

Data File: D:\msdchem\2019 DATA\0919\0923-01.D
Acq On : 23 Sep 2019 10:40
Operator :
Sample : n-12693
Misc :
ALS Vial : 95

Integration Parameters: autoint1.e
Integrator: ChemStation

DataAcq Meth:SCREEN.M
Method : D:\msdchem\2019 DATA\0919\0903-09.D\ERIN.M

Signal : TIC: 0923-01.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.844	1597	1606	1613	BB	32038221	432253484	100.00%	100.000%

Sum of corrected areas: 432253484

ERIN.M Mon Sep 23 10:55:51 2019

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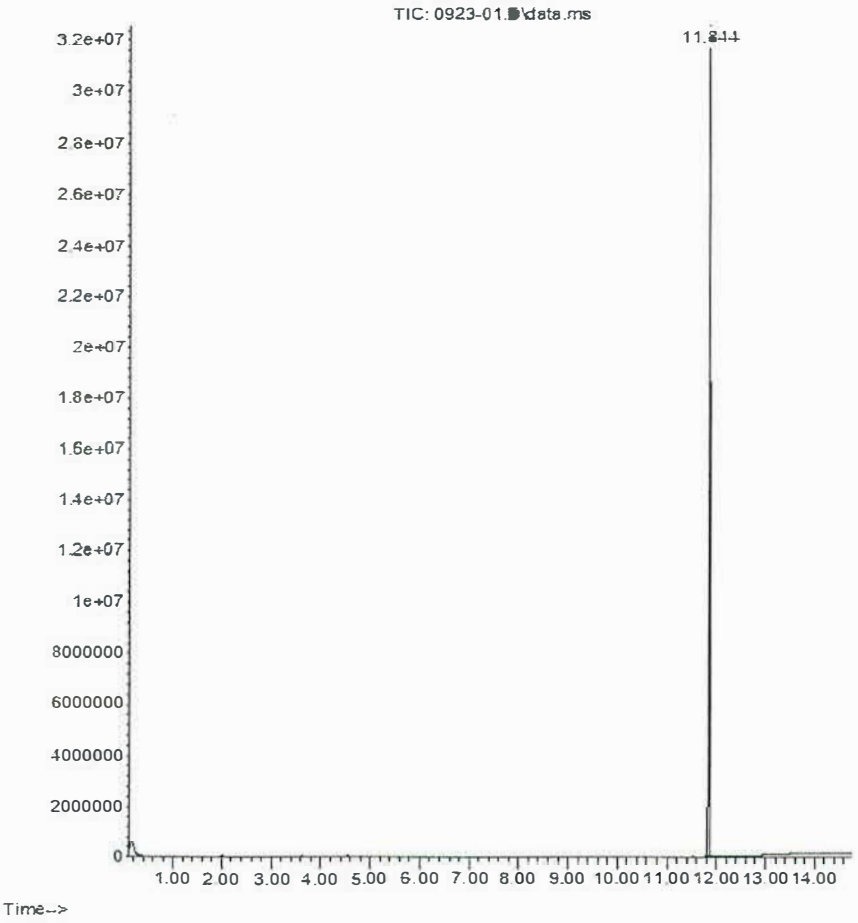
CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24



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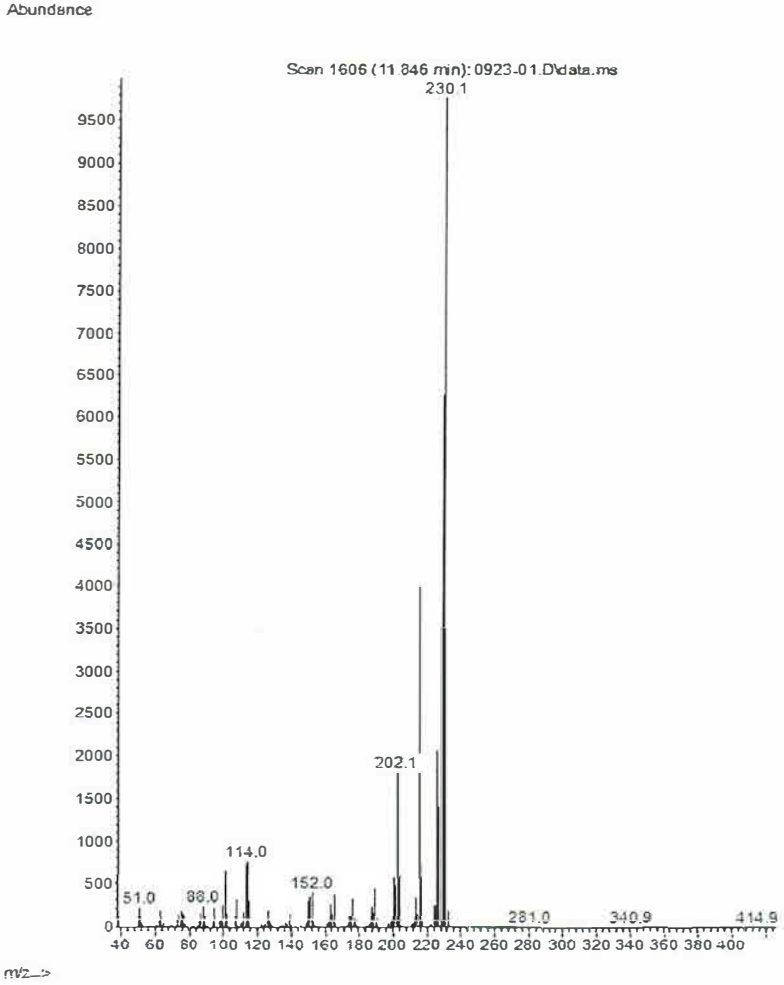
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24



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info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24

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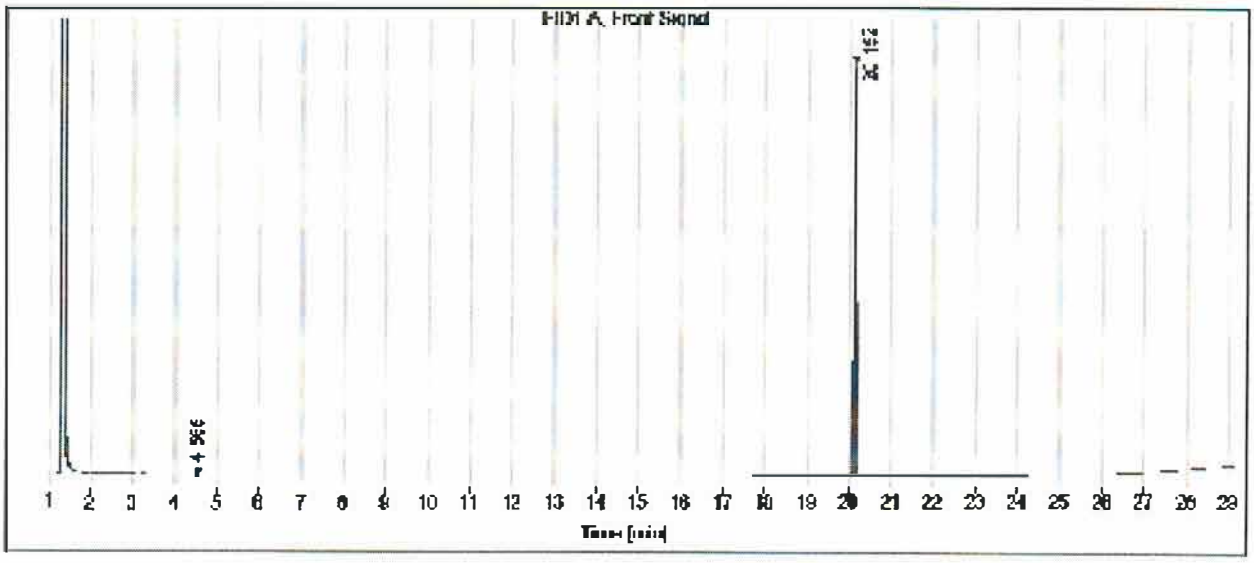
Gas

CERTIFICATE OF ANALYSIS

Data file:	C:\CHEM32		
Sample name:	N-12693		
Instrument:	GC 2	**Sample type:**	Sample
Injection date:	9/23/2019 9:56:34 AM	**Location:**	Vial 141
Acq. method:	SCREEN.M	**Injection volume:**	1.0uL
Column name:	HP-5		



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
4.565	BB	0.0305	1.2408	0.5122	0.11
20.152	BB	0.0391	1171.9556	439.4599	99.89
		Sum	1173.1963		

SIGMA-ALDRICH
sigma-aldrich.com
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Triacontane-d62 - 98 atom % D

Product Number:	**451789**
Batch Number:	**MBBC4347**
Brand:	ALDRICH
CAS Number:	93952-07-9
MDL Number:	MFCD00209794
Formula:	C30D62
Formula Weight:	485.20 g/mol
Quality Release Date:	27 APR 2018

$CD_3(CD_2)_{28}CD_3$

ID #: 13736
Opened:_____
Triacontane-d62-98 atom % D
Expires: 4/6/2026
Rec'd: 4/6/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Test	Specification	Result
Purity (HPLC)	≥ 99.0 %	99.0 %
Proton NMR Spectrum	Conforms to Structure	Conforms
D Enrichment	≥ 98.0 %	99.0 %
Initial Melting Point		60.0 °C
Final Melting Point		62.0 °C

Greg Abernathy, Supervisor
Quality Control
Miamisburg, Ohio US

Analytical RunID GCFID-HP5-B_220209A Standards Traceability Report

Standard ID: DRO200430B
Standard Name: O-Terphenyl
Prep Date: 4/30/2020
Exp Date: 9/30/2024
Department: dropr
Vendor: Chemservice
Lot Number: 9972100
Balance ID:
Comments: ID#: 6271

Type: Neat
Prep By: Ann Nebel
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
o-Terphenyl	12650	500	mg	9/30/2024

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220209A Standards Traceability Report

Standard ID: DRO210406A
Standard Name: Triacontane-d62 Surr For AK103 RRO
Type: Neat
Prep Date: 4/6/2021
Prep By: Ann Nebel
Exp Date: 4/6/2026
Status: New
Department: dropr
Vendor: Sigma-Aldrich
Final Volume: mL
Lot Number: MBBC4347
Balance ID:
Comments: Alaska surr [for AK103 RRO]

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Triacontane-d62-98 atom % D	13736	500	mg	4/6/2026

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220209A Standards Traceability Report

Standard ID: DRO211006A
Standard Name: Triacontane SURR 2000 ug/mL
Prep Date: 10/6/2021
Exp Date: 4/6/2026
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: Triacontane SURR 2000 ug/mL

Type: Primary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 50 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	50	mL	4/6/2026

Stock Source	Base Units	Amount Added
DRO210406A	ug/mL	0.1001 g

Analytical RunID GCFID-HP5-B_220209A Standards Traceability Report

Spike ID: DRO211101A
Spike Name: OTP-4000 ug/mL DCM
Prep Date: 11/1/2021
Exp Date: 9/30/2024
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: Used to Prep DRO-8015 ICAL and CCV Solutions

Type: Secondary
Prep By: Ann Nebel
Status: Open
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EC328	14408	25	mL	9/30/2024

Stock Source	Base Units	Amount Added
DRO200430B	ug/mL	0.1012 g

Analytical RunID GCFID-HP5-B_220209A Standards Traceability Report

Standard ID: DRO211118A
Standard Name: 50,000 ug/mL Oil Std For AK103 RRO-In DCM
Prep Date: 11/18/2021
Exp Date: 10/31/2028
Department: dropr
Vendor: Restek
Lot Number: A0176667
Balance ID: Sartorius 4 place balance
Comments:

Type: Primary
Prep By: Ann Nebel
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Residual Range Calibration Standard	14531	1	mL	10/31/2028

Stock Source	Base Units	Amount Added
DRO211118A	ug/mL	

Analytical RunID GCFID-HP5-B_220209A Standards Traceability Report

Standard ID: DRO211214C
Standard Name: Diesel Fuel #2 50,000 ug/mL in DCM
Prep Date: 12/14/2021
Exp Date: 4/30/2023
Department: dropr
Vendor: Sigma-Aldrich
Lot Number: LRAC6316
Balance ID:
Comments: Diesel Fuel #2 For CCVs.

Type: Primary
Prep By: Ann Nebel
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Diesel Fuel No. 2	14623	1	mL	4/30/2023

Stock Source	Base Units	Amount Added
DRO211214C	ug/mL	

Analytical RunID GCFID-HP5-B_220209A Standards Traceability Report

Standard ID: DRO220110A
Standard Name: Carbon Scan STD-Marker
Type: Neat
Prep Date: 1/11/2022
Prep By: Ann Nebel
Exp Date: 7/13/2026
Status: Open
Department: dropr
Vendor: ASI2
Final Volume: 1.2 mL
Lot Number: 55064
Balance ID:
Comments: FOR Qualitative analyst only.31 compounds-C5 to C30,32,34,36,38,40.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
n-Hydrocarbons- C5 to C30, C32, C34, C36, C38, C40	14737	1.2	mL	7/13/2026

Stock Source	Base Units	Amount Added
DRO220110A	ug/mL	

Analytical RunID GCFID-HP5-B_220209A Standards Traceability Report

Standard ID: DRO220119A
Standard Name: Triacontane SURR 1000 ug/mL
Prep Date: 1/19/2022
Exp Date: 4/6/2026
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: 2X dilution of Triacontane SURR 2000 ug/mL

Type: Secondary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EC849	14747	5	mL	4/6/2026

Stock Source	Base Units	Amount Added
DRO211006A	ug/mL	5 mL

Analytical RunID GCFID-HP5-B_220209A Standards Traceability Report

Standard ID: DRO220128A
Standard Name: 8015 CCV-15,000ug/mL + 200 OTP
Prep Date: 1/28/2022
Exp Date: 4/30/2023
Department: dropr
Vendor:
Lot Number:
Balance ID:
Comments: 8015DRO CCV MIX-15,000ug/mL +200 OTP #2 Diesel

Type: Secondary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 4 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EC 978	14777	2.6	mL	4/30/2023

Stock Source	Base Units	Amount Added
DRO211214C	ug/mL	1.2 mL
DRO211101A	ug/mL	0.2 mL

Analytical RunID GCFID-HP5-B_220209A Standards Traceability Report

Standard ID: DRO220128B
Standard Name: Carbon Scan STD-Marker
Type: Primary
Prep Date: 1/28/2022
Prep By: Jillian L Bostwick
Exp Date: 7/13/2026
Status: Open
Department: dropr
Vendor: ASI2
Final Volume: 2.4 mL
Lot Number: 071306
Balance ID:
Comments: FOR Qualitative analyst only.31 compounds-C5 to C30,32,34,36,38,40.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Carbon Disulfide 55064	7477	1.2	mL	7/13/2026

Stock Source	Base Units	Amount Added
DRO220110A	ug/mL	1.2 mL

Analytical RunID GCFID-HP5-B_220209A Standards Traceability Report

Standard ID: DRO220201A
Standard Name: 5,000 ug/mL RRO CCV 200 ug/mL Triacontane
Prep Date: 2/1/2022
Exp Date: 4/6/2026
Department: dropr
Vendor:
Lot Number:
Balance ID:
Comments: CCV for AK102 and 8015C RRO.

Type: Secondary
Prep By: Ann Nebel
Status: New
Final Volume: 4 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EC 978	14777	2.8	mL	4/6/2026

Stock Source	Base Units	Amount Added
DRO220119A	ug/mL	800 µL
DRO211118A	ug/mL	400 µL

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

o-Terphenyl

CATALOG NUMBER	N-12693-500MG
LOT NUMBER	9972100
DATE CERTIFIED	09/23/19
EXPIRATION DATE	09/30/24
CAS NUMBER	84-15-1
MOLECULAR FORMULA	C18H14
MOLECULAR WEIGHT	230.32
STORAGE	Store in a cool dry place.
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
GC/MS SPECTRA ID	MATCHES NIST DATABASE
MELTING POINT (°C)	57.1
% PURITY (GC/FID)	99.5

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

ID #: 12650
Opened:_____
o-Terphenyl
Expires: 9/30/2024
Rec'd: 4/30/2020
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015

PJLA Reference Material Producer

PJLA Testing

COA Form
Revision 3 (3/2015)

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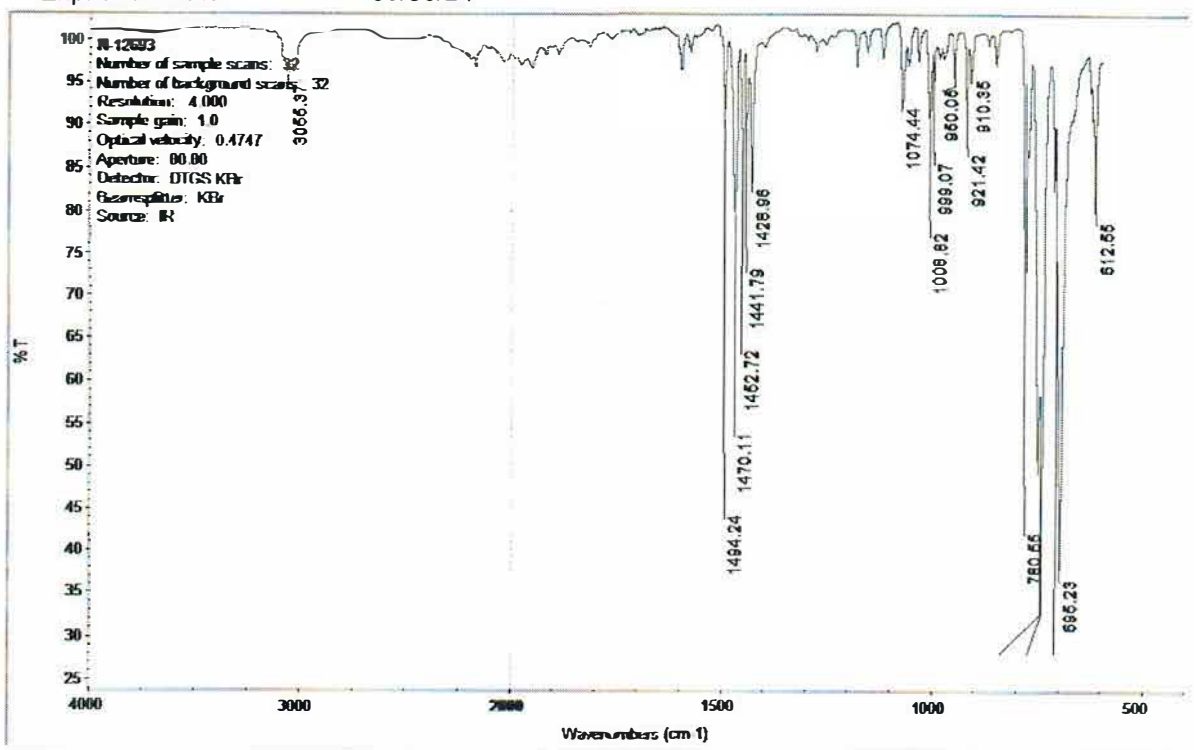
CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24



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CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24

Chem Service Inc Area Percent Report

Data File: D:\msdchem\2019 DATA\0919\0923-01.D
Acq On : 23 Sep 2019 10:40
Operator :
Sample : n-12693
Misc :
ALS Vial : 95

Integration Parameters: autoint1.e
Integrator: ChemStation

DataAcq Meth:SCREEN.M
Method : D:\msdchem\2019 DATA\0919\0903-09.D\ERIN.M

Signal : TIC: 0923-01.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.844	1597	1606	1613	BB	32038221	432253484	100.00%	100.000%

Sum of corrected areas: 432253484

ERIN.M Mon Sep 23 10:55:51 2019

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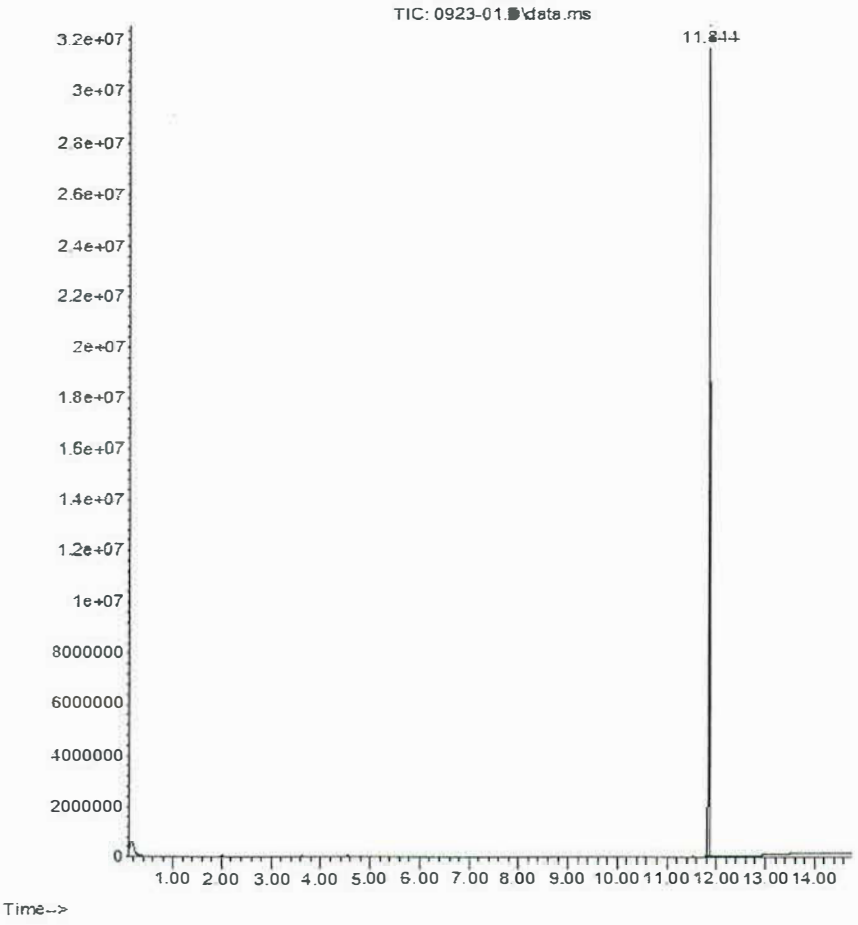
CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24



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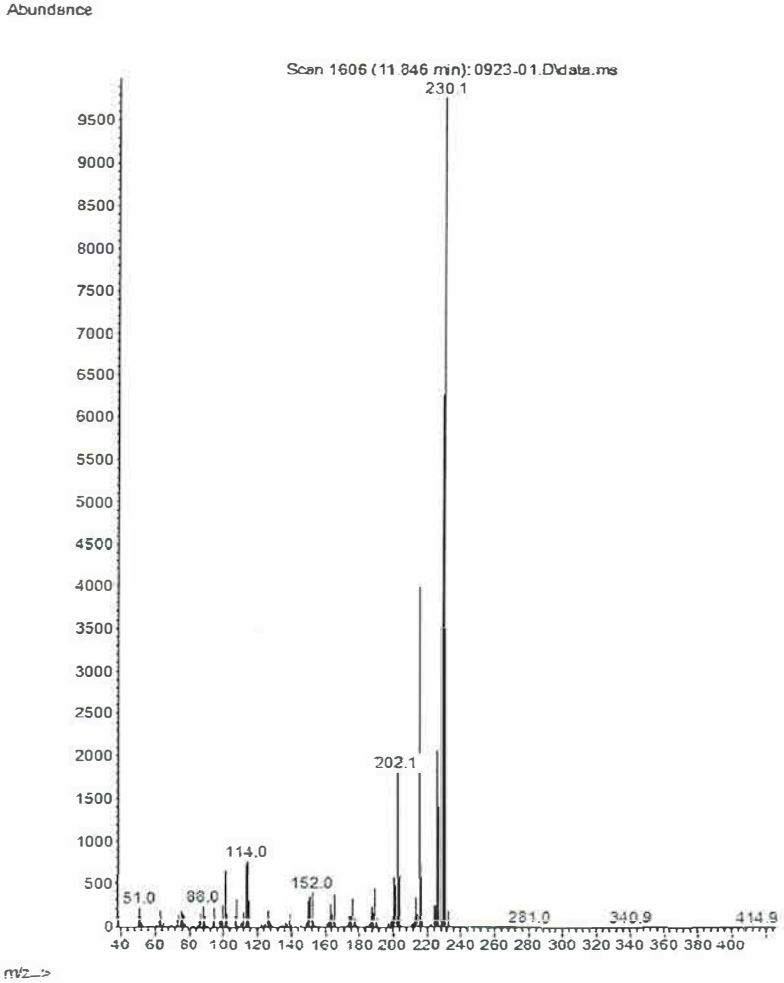
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24



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CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24

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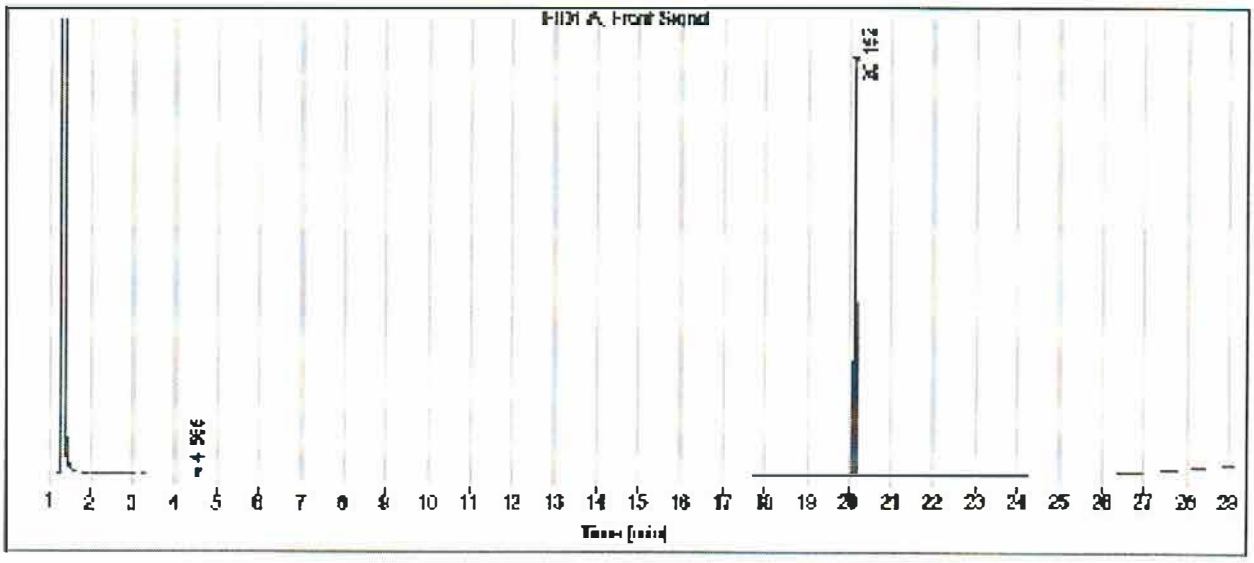
Gas

CERTIFICATE OF ANALYSIS

Data file:	C:\CHEM32		
Sample name:	N-12693		
Instrument:	GC 2	**Sample type:**	Sample
Injection date:	9/23/2019 9:56:34 AM	**Location:**	Vial 141
Acq. method:	SCREEN.M	**Injection volume:**	1.0uL
Column name:	HP-5		



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
4.565	BB	0.0305	1.2408	0.5122	0.11
20.152	BB	0.0391	1171.9556	439.4599	99.89
		Sum	1173.1963		

SIGMA-ALDRICH
sigma-aldrich.com
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Triacontane-d62 - 98 atom % D

$CD_3(CD_2)_{28}CD_3$

Product Number:	**451789**
Batch Number:	**MBBC4347**
Brand:	ALDRICH
CAS Number:	93952-07-9
MDL Number:	MFCD00209794
Formula:	C30D62
Formula Weight:	485.20 g/mol
Quality Release Date:	27 APR 2018

ID #: 13736
Opened:
Triacontane-d62-98 atom % D
Expires: 4/6/2026
Rec'd: 4/6/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Test	Specification	Result
Purity (HPLC)	≥ 99.0 %	99.0 %
Proton NMR Spectrum	Conforms to Structure	Conforms
D Enrichment	≥ 98.0 %	99.0 %
Initial Melting Point		60.0 °C
Final Melting Point		62.0 °C

Greg Abernathy, Supervisor
Quality Control
Miamisburg, Ohio US

Ana

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31817 **Lot No.:** A0176667

Description : Residual Range Calibration Standard (RCS)

Residual Range Calib Std (RCS) 50,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2028 **Storage:** 25°C nominal

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Motor Oil SAE30 & SAE40 Blend (Pennzoil)	50,102.0 µg/mL	+/- 293.3582 µg/mL	Gravimetric
	CAS # 64742-65-0.F (Lot A0126386)		+/- 1,492.1008 µg/mL	Unstressed
	Purity ----%		+/- 1,591.3244 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

ID #: 14531
Opened:
Residual RangeCalibration Standard
Expires: 10/31/2028
Rec'd: 11/18/2021
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

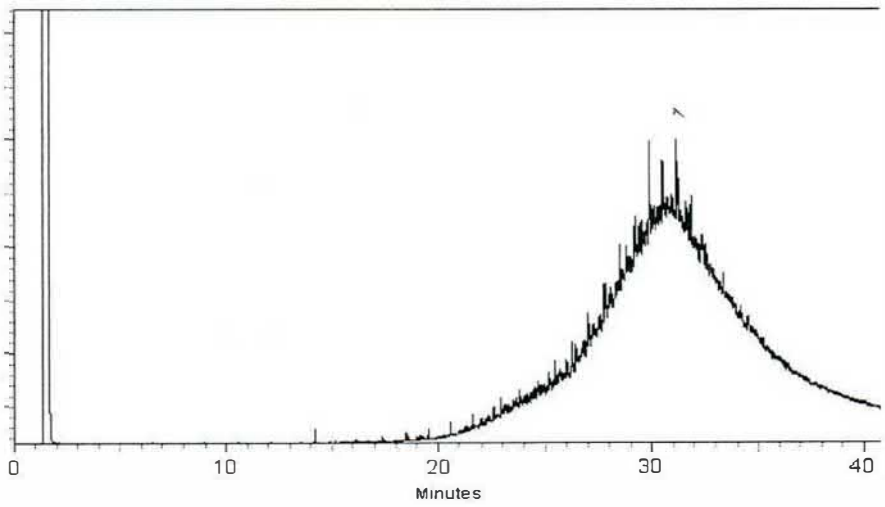
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 22-Sep-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 23-Sep-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Certificate of Analysis

Diesel Fuel No. 2

Certified Reference Material

Description

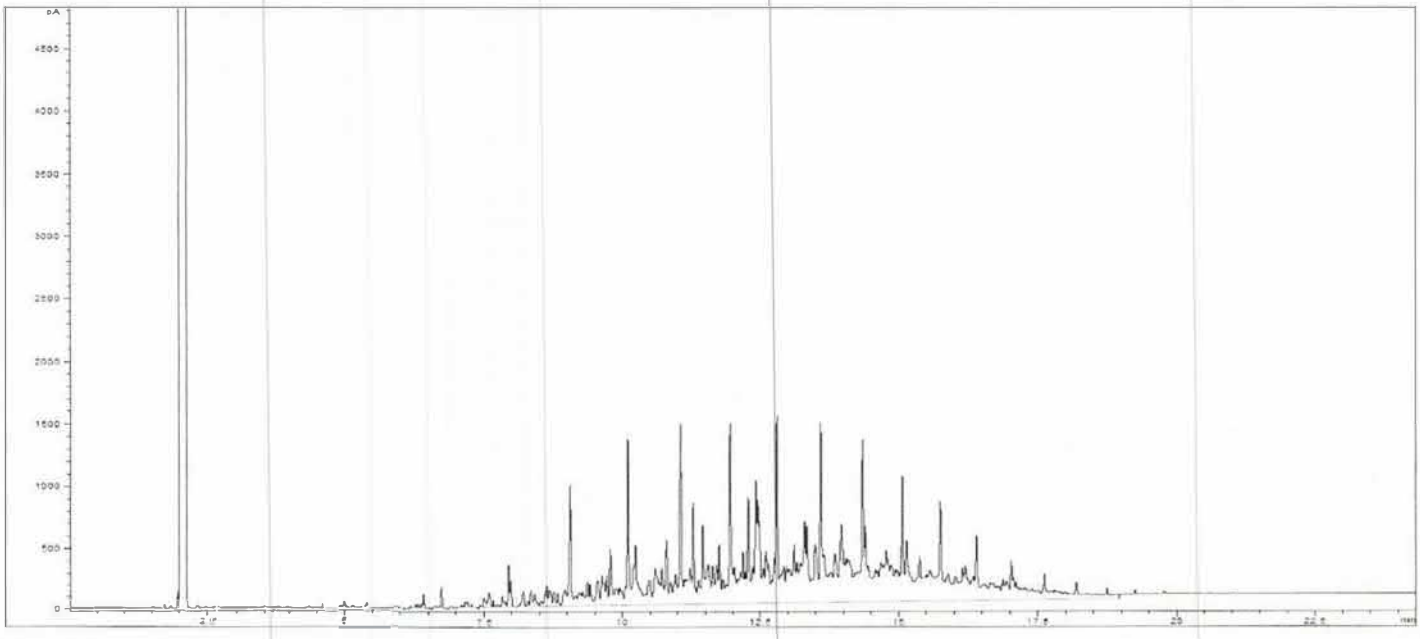
Product ID UST148
Lot **LRAC6316**
Expiration Date April 2023
Manufacturing Date April 2020
Storage Conditions Room Temperature
Solvent/Matrix DICHLOROMETHANE

ID #: 14623
Opened:_____
Diesel Fuel No. 2
Expires: 4/30/2023
Rec'd: 12/14/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certified Values

Analyte	*Certified Value* [1,4]	*Units*	*Raw Material Purity,%*	*Raw Material Lot*	*CAS*
NO.2 FUEL OIL	50001 ± 2770	µg/mL	100.0	LA80505	68476-34-6

Informational Values



Additional Information:

Analytical Method Parameters:
Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #214)
Carrier Gas: H2, Flow: 4.0 mL/min
Inlet Temperature: 250 °C, Injection Volume: 1.0 µL
Injection Mode: Split, Split Ratio: 10: 1
Temperature Program: 40 °C (Hold 2 min) @ 15 °C/min to 300 °C (Hold 5 min)
Detector: FID
Detector Temperature: 300 °C

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
800-325-5832
TechService@milliporesigma.com www.sigma-aldrich.com

Description

Lot LRAC6316
Expiration Date April 2023
Manufacturing Date April 2020
Storage Conditions Room Temperature
Solvent/Matrix DICHLOROMETHANE

1 **Metrological traceability:** Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
4 Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u^2_{char} + u^2_{hom\ ogeneity} + u^2_{stabilit\ y}}$$

k: Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence interval = 95%**

6 Analytical Value- For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

Traceability: The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were preformed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Homogeneity: Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

Expiration is at end of month given on certificate and label.

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH **ISO/IEC 17025:2017 (ANAB Cert AT-1467)** and **ISO 17034:2016 (ANAB Cert AR-1470).**

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Certification Date April 30, 2020
Version 0-4302020

ANAB ACCREDITED AR-3074 REFERENCE MATERIAL PRODUCER

Analytical RunID GCFID-HP5-B_220209B Standards Traceability Report

Standard ID: DRO200430B
Standard Name: O-Terphenyl
Prep Date: 4/30/2020
Exp Date: 9/30/2024
Department: dropr
Vendor: Chemservice
Lot Number: 9972100
Balance ID:
Comments: ID#: 6271

Type: Neat
Prep By: Ann Nebel
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
o-Terphenyl	12650	500	mg	9/30/2024

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220209B Standards Traceability Report

Standard ID: DRO210406A
Standard Name: Triacontane-d62 Surr For AK103 RRO
Type: Neat
Prep Date: 4/6/2021
Prep By: Ann Nebel
Exp Date: 4/6/2026
Status: New
Department: dropr
Vendor: Sigma-Aldrich
Final Volume: mL
Lot Number: MBBC4347
Balance ID:
Comments: Alaska surr [for AK103 RRO]

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Triacontane-d62-98 atom % D	13736	500	mg	4/6/2026

Stock Source	Base Units	Amount Added

Analytical RunID GCFID-HP5-B_220209B Standards Traceability Report

Standard ID: DRO211006A
Standard Name: Triacontane SURR 2000 ug/mL
Type: Primary
Prep Date: 10/6/2021
Prep By: Jillian L Bostwick
Exp Date: 4/6/2026
Status: New
Department: dropr
Vendor:
Final Volume: 50 mL
Lot Number:
Balance ID: BAL-DRO
Comments: Triacontane SURR 2000 ug/mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	50	mL	4/6/2026

Stock Source	Base Units	Amount Added
DRO210406A	ug/mL	0.1001 g

Analytical RunID GCFID-HP5-B_220209B Standards Traceability Report

Spike ID: DRO211101A
Spike Name: OTP-4000 ug/mL DCM
Prep Date: 11/1/2021
Exp Date: 9/30/2024
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: Used to Prep DRO-8015 ICAL and CCV Solutions

Type: Secondary
Prep By: Ann Nebel
Status: Open
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EC328	14408	25	mL	9/30/2024

Stock Source	Base Units	Amount Added
DRO200430B	ug/mL	0.1012 g

Analytical RunID GCFID-HP5-B_220209B Standards Traceability Report

Standard ID: DRO211118A
Standard Name: 50,000 ug/mL Oil Std For AK103 RRO-In DCM
Prep Date: 11/18/2021
Exp Date: 10/31/2028
Department: dropr
Vendor: Restek
Lot Number: A0176667
Balance ID: Sartorius 4 place balance
Comments:

Type: Primary
Prep By: Ann Nebel
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Residual Range Calibration Standard	14531	1	mL	10/31/2028

Stock Source	Base Units	Amount Added
DRO211118A	ug/mL	

Analytical RunID GCFID-HP5-B_220209B Standards Traceability Report

Standard ID: DRO211214C
Standard Name: Diesel Fuel #2 50,000 ug/mL in DCM
Prep Date: 12/14/2021
Exp Date: 4/30/2023
Department: dropr
Vendor: Sigma-Aldrich
Lot Number: LRAC6316
Balance ID:
Comments: Diesel Fuel #2 For CCVs.

Type: Primary
Prep By: Ann Nebel
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Diesel Fuel No. 2	14623	1	mL	4/30/2023

Stock Source	Base Units	Amount Added
DRO211214C	ug/mL	

Analytical RunID GCFID-HP5-B_220209B Standards Traceability Report

Standard ID: DRO220110A
Standard Name: Carbon Scan STD-Marker
Type: Neat
Prep Date: 1/11/2022
Prep By: Ann Nebel
Exp Date: 7/13/2026
Status: Open
Department: dropr
Vendor: ASI2
Final Volume: 1.2 mL
Lot Number: 55064
Balance ID:
Comments: FOR Qualitative analyst only.31 compounds-C5 to C30,32,34,36,38,40.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
n-Hydrocarbons- C5 to C30, C32, C34, C36, C38, C40	14737	1.2	mL	7/13/2026

Stock Source	Base Units	Amount Added
DRO220110A	ug/mL	

Analytical RunID GCFID-HP5-B_220209B Standards Traceability Report

Standard ID: DRO220119A
Standard Name: Triacontane SURR 1000 ug/mL
Prep Date: 1/19/2022
Exp Date: 4/6/2026
Department: dropr
Vendor:
Lot Number:
Balance ID: BAL-DRO
Comments: 2X dilution of Triacontane SURR 2000 ug/mL

Type: Secondary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EC849	14747	5	mL	4/6/2026

Stock Source	Base Units	Amount Added
DRO211006A	ug/mL	5 mL

Analytical RunID GCFID-HP5-B_220209B Standards Traceability Report

Standard ID: DRO220128A
Standard Name: 8015 CCV-15,000ug/mL + 200 OTP
Prep Date: 1/28/2022
Exp Date: 4/30/2023
Department: dropr
Vendor:
Lot Number:
Balance ID:
Comments: 8015DRO CCV MIX-15,000ug/mL +200 OTP #2 Diesel

Type: Secondary
Prep By: Jillian L Bostwick
Status: New
Final Volume: 4 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EC 978	14777	2.6	mL	4/30/2023

Stock Source	Base Units	Amount Added
DRO211214C	ug/mL	1.2 mL
DRO211101A	ug/mL	0.2 mL

Analytical RunID GCFID-HP5-B_220209B Standards Traceability Report

Standard ID: DRO220128B
Standard Name: Carbon Scan STD-Marker
Type: Primary
Prep Date: 1/28/2022
Prep By: Jillian L Bostwick
Exp Date: 7/13/2026
Status: Open
Department: dropr
Vendor: ASI2
Final Volume: 2.4 mL
Lot Number: 071306
Balance ID:
Comments: FOR Qualitative analyst only.31 compounds-C5 to C30,32,34,36,38,40.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Carbon Disulfide 55064	7477	1.2	mL	7/13/2026

Stock Source	Base Units	Amount Added
DRO220110A	ug/mL	1.2 mL

Analytical RunID GCFID-HP5-B_220209B Standards Traceability Report

Standard ID: DRO220201A
Standard Name: 5,000 ug/mL RRO CCV 200 ug/mL Triacontane
Prep Date: 2/1/2022
Exp Date: 4/6/2026
Department: dropr
Vendor:
Lot Number:
Balance ID:
Comments: CCV for AK102 and 8015C RRO.

Type: Secondary
Prep By: Ann Nebel
Status: New
Final Volume: 4 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EC 978	14777	2.8	mL	4/6/2026

Stock Source	Base Units	Amount Added
DRO220119A	ug/mL	800 µL
DRO211118A	ug/mL	400 µL

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

o-Terphenyl

CATALOG NUMBER	N-12693-500MG
LOT NUMBER	9972100
DATE CERTIFIED	09/23/19
EXPIRATION DATE	09/30/24
CAS NUMBER	84-15-1
MOLECULAR FORMULA	C18H14
MOLECULAR WEIGHT	230.32
STORAGE	Store in a cool dry place.
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.

Analytical Test	Value
FT-IR SPECTROSCOPY	CONFORMS TO STRUCTURE
GC/MS SPECTRA ID	MATCHES NIST DATABASE
MELTING POINT (°C)	57.1
% PURITY (GC/FID)	99.5

Chem Service, Inc. guarantees the purity to be +/- 0.5% deviation prior to the expiration date shown on the label and exclusive of any customer contamination.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

ID #: 12650
Opened:
o-Terphenyl
Expires: 9/30/2024
Rec'd: 4/30/2020
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015

PJLA Reference Material Producer
PJLA Testing

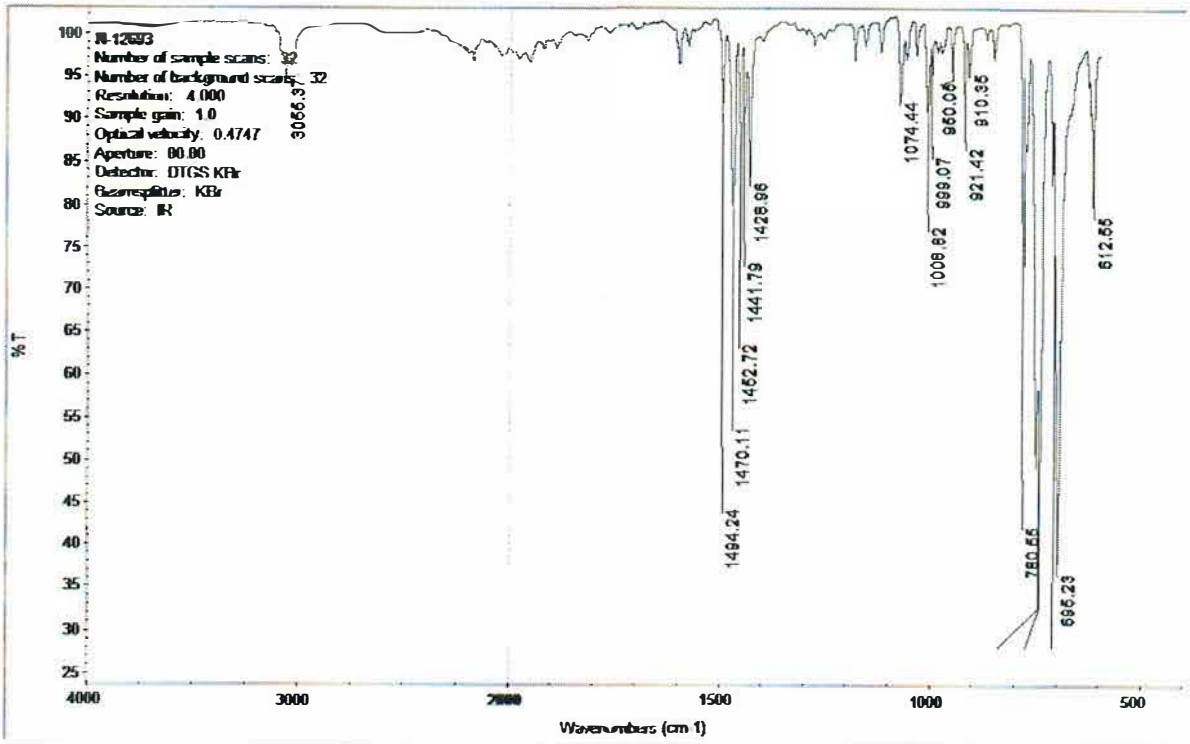
COA Form
Revision 3 (3/2015)

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24



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Analysis Method:

Catalog Number:	N-12693-500MG
Description:	o-Terphenyl
Lot Number:	9972100
Expiration Date:	09/30/24

Chem Service Inc Area Percent Report

Data File: D:\msdchem\2019 DATA\0919\0923-01.D
Acq On : 23 Sep 2019 10:40
Operator :
Sample : n-12693
Misc :
ALS Vial : 95

Integration Parameters: autoint1.e
Integrator: ChemStation

DataAcq Meth:SCREEN.M
Method : D:\msdchem\2019 DATA\0919\0903-09.D\ERIN.M

Signal : TIC: 0923-01.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.844	1597	1606	1613	BB	32038221	432253484	100.00%	100.000%

Sum of corrected areas: 432253484

ERIN.M Mon Sep 23 10:55:51 2019

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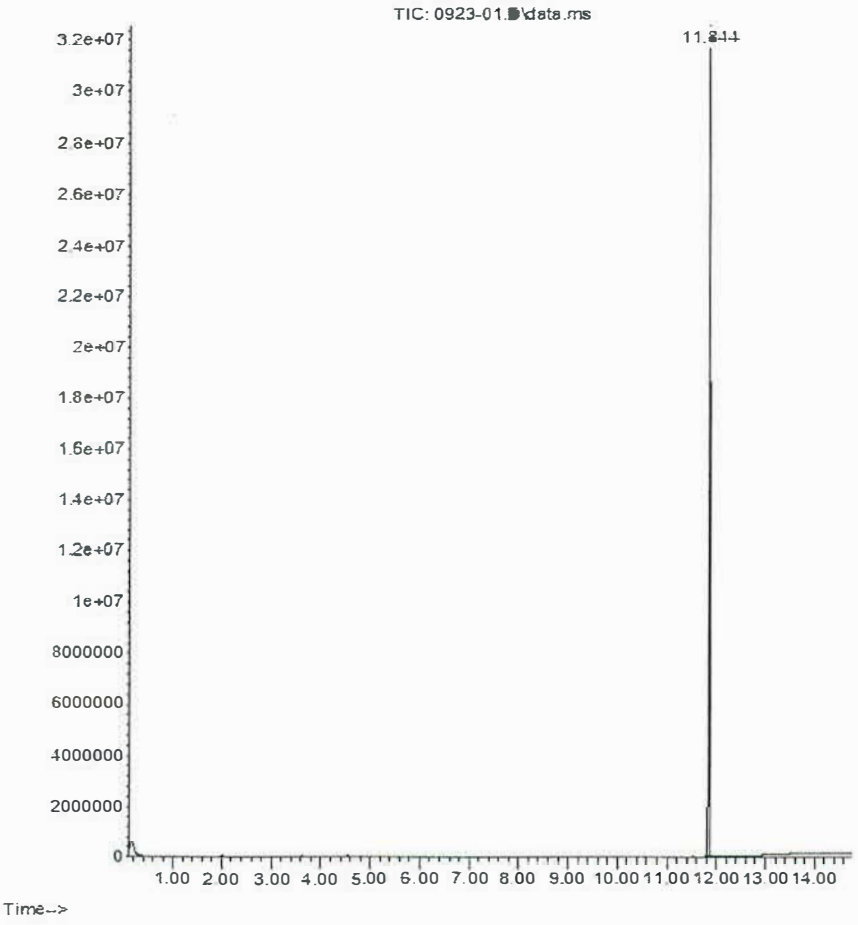

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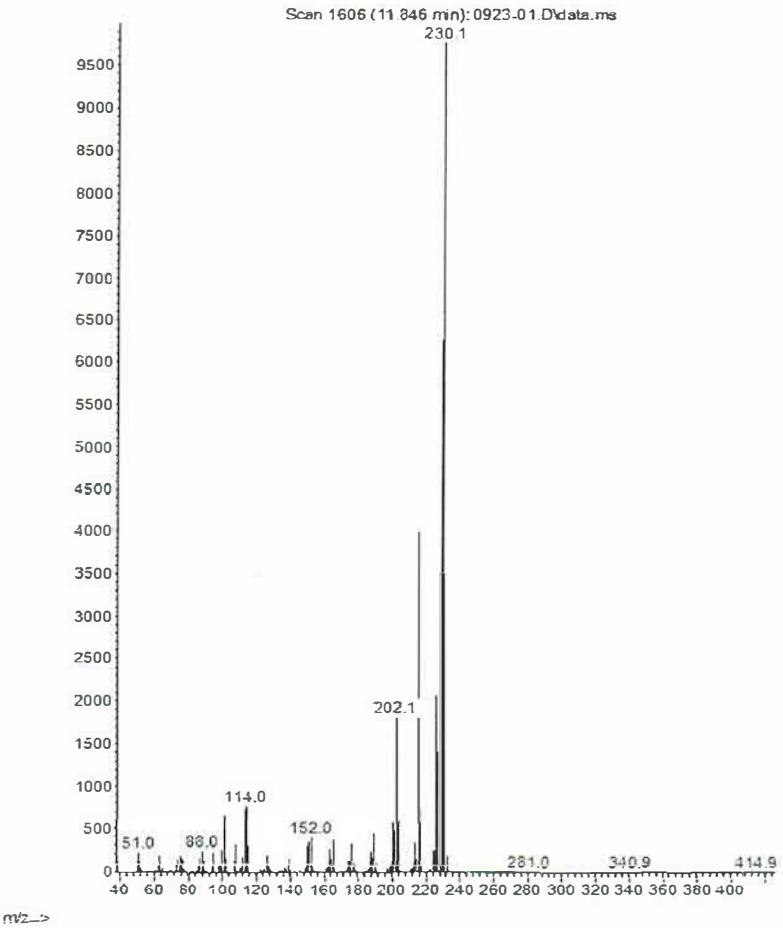

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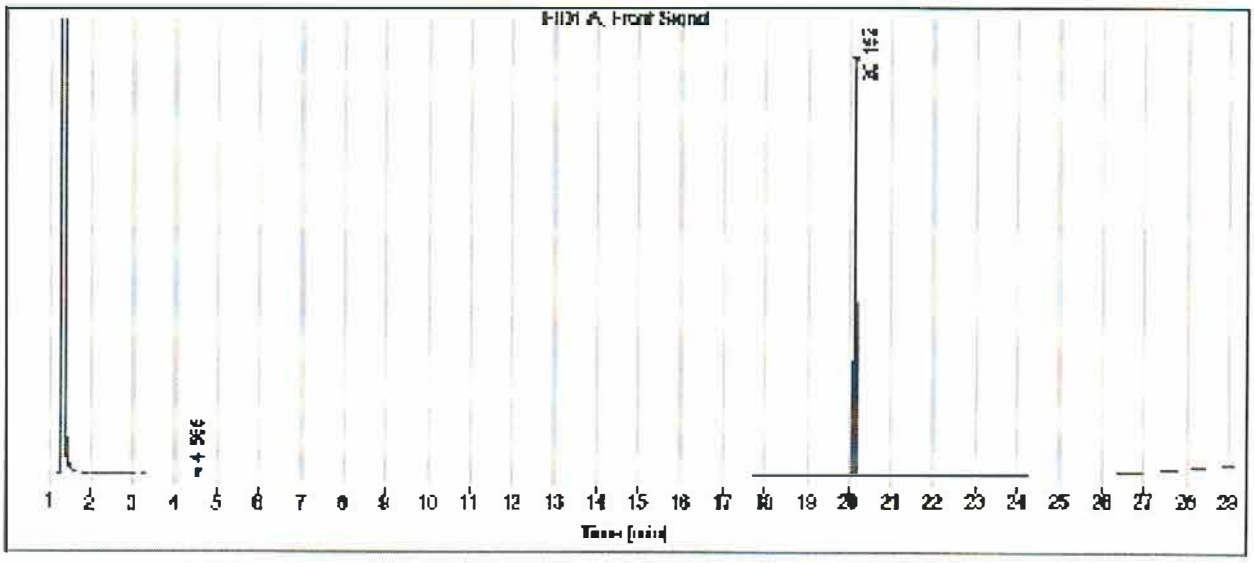
Gas

CERTIFICATE OF ANALYSIS

Data file:	C:\CHEM32		
Sample name:	N-12693		
Instrument:	GC 2	**Sample type:**	Sample
Injection date:	9/23/2019 9:56:34 AM	**Location:**	Vial 141
Acq. method:	SCREEN.M	**Injection volume:**	1.0uL
Column name:	HP-5		



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
4.565	BB	0.0305	1.2408	0.5122	0.11
20.152	BB	0.0391	1171.9556	439.4599	99.89
		Sum	1173.1963		

SIGMA-ALDRICH
sigma-aldrich.com
3050 Spruce Street, Saint Louis, MO 63103, USA
Website: www.sigmaaldrich.com
Email USA: techserv@sial.com
Outside USA: eurtechserv@sial.com

Certificate of Analysis

Product Name:
Triacontane-d62 - 98 atom % D

Product Number:	**451789**
Batch Number:	**MBBC4347**
Brand:	ALDRICH
CAS Number:	93952-07-9
MDL Number:	MFCD00209794
Formula:	C30D62
Formula Weight:	485.20 g/mol
Quality Release Date:	27 APR 2018

$CD_3(CD_2)_{28}CD_3$

ID #: 13736
Opened:_____
Triacontane-d62-98 atom % D
Expires: 4/6/2026
Rec'd: 4/6/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Test	Specification	Result
Purity (HPLC)	≥ 99.0 %	99.0 %
Proton NMR Spectrum	Conforms to Structure	Conforms
D Enrichment	≥ 98.0 %	99.0 %
Initial Melting Point		60.0 °C
Final Melting Point		62.0 °C

Greg Abernathy, Supervisor
Quality Control
Miamisburg, Ohio US

Ana

RESTEK® CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31817 **Lot No.:** A0176667

Description : Residual Range Calibration Standard (RCS)

Residual Range Calib Std (RCS) 50,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2028 **Storage:** 25°C nominal

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Motor Oil SAE30 & SAE40 Blend (Pennzoil)	50,102.0 µg/mL	+/- 293.3582 µg/mL	Gravimetric
	CAS # 64742-65-0.F (Lot A0126386)		+/- 1,492.1008 µg/mL	Unstressed
	Purity ----%		+/- 1,591.3244 µg/mL	Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

ID #: 14531
Opened:
Residual RangeCalibration Standard
Expires: 10/31/2028
Rec'd: 11/18/2021
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

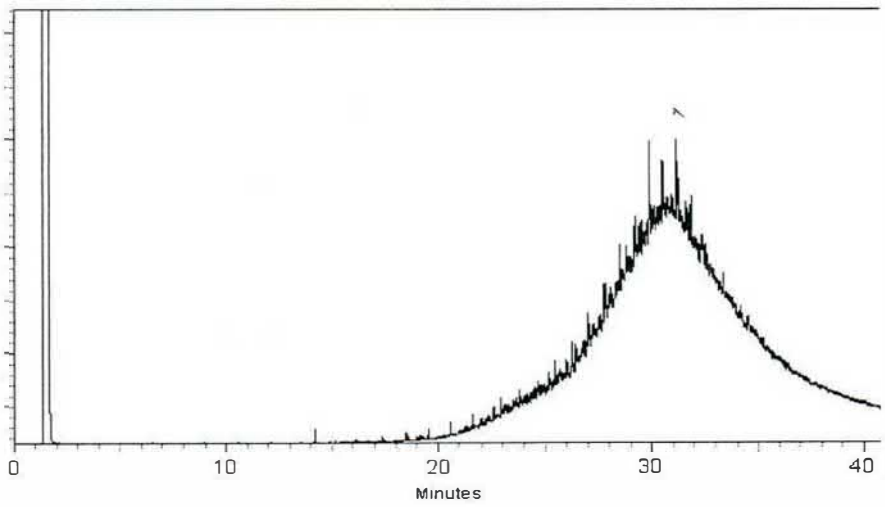
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 22-Sep-2021 **Balance:** 1128360905

Alexis Shelow - Operations Tech I

Date Passed: 23-Sep-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Certificate of Analysis

Diesel Fuel No. 2

Certified Reference Material

Description

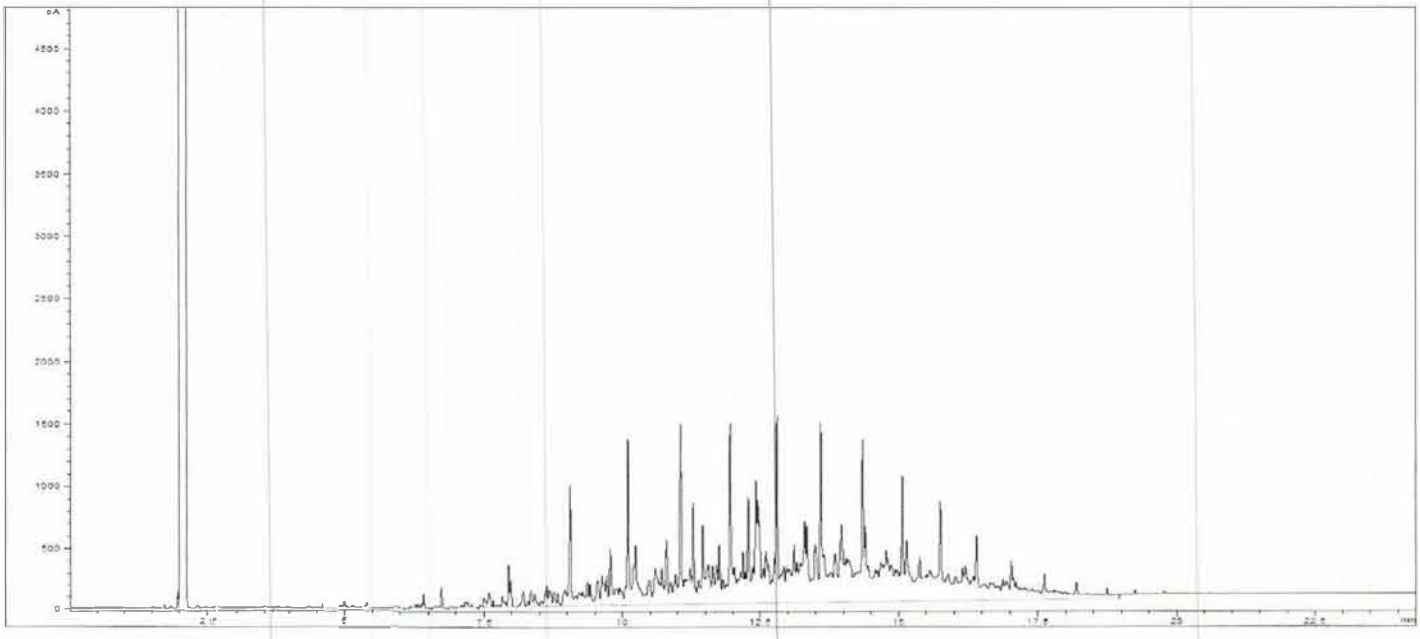
Product ID UST148
Lot **LRAC6316**
Expiration Date April 2023
Manufacturing Date April 2020
Storage Conditions Room Temperature
Solvent/Matrix DICHLOROMETHANE

ID #: 14623
Opened:_____
Diesel Fuel No. 2
Expires: 4/30/2023
Rec'd: 12/14/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certified Values

Analyte	*Certified Value* [1,4]	*Units*	*Raw Material Purity,%*	*Raw Material Lot*	*CAS*
NO.2 FUEL OIL	50001 ± 2770	µg/mL	100.0	LA80505	68476-34-6

Informational Values



Additional Information:

Analytical Method Parameters:
Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #214)
Carrier Gas: H2, Flow: 4.0 mL/min
Inlet Temperature: 250 °C, Injection Volume: 1.0 µL
Injection Mode: Split, Split Ratio: 10: 1
Temperature Program: 40 °C (Hold 2 min) @ 15 °C/min to 300 °C (Hold 5 min)
Detector: FID
Detector Temperature: 300 °C

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
800-325-5832
TechService@milliporesigma.com www.sigma-aldrich.com

Description

Lot LRAC6316
Expiration Date April 2023
Manufacturing Date April 2020
Storage Conditions Room Temperature
Solvent/Matrix DICHLOROMETHANE

1 **Metrological traceability:** Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
4 Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u^2_{char} + u^2_{hom\ ogeneity} + u^2_{stabilit\ y}}$$

k: Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence interval = 95%**

6 Analytical Value- For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

Traceability: The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were preformed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Homogeneity: Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

Expiration is at end of month given on certificate and label.

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH **ISO/IEC 17025:2017 (ANAB Cert AT-1467)** and **ISO 17034:2016 (ANAB Cert AR-1470).**

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Certification Date April 30, 2020
Version 0-4302020

ANAB ACCREDITED AR-3074 REFERENCE MATERIAL PRODUCER

Energy Laboratories Inc

ANALYTICAL RUN Summary

18-Feb-22

Run ID PE 1_220131A

Run Start Date: 1/31/2022
Analyst: Josie Pickard
Ical: 0
Column ID: Rtx-502.2
Comments:

Instrument ID	Description
VOC1-14	2-Place Balance

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
GAS220104	Unleaded Gasoline Comp. Std.(2.0uL)						6/7/2023
GASL220131	Low Gasoline Std.						6/7/2023
GQC211012	Gasoline Composite Mix (1.68uL)	1.68	ul			ICV	4/2/2030
GROS200921	Gro Stock Standard Mt.Gro	0.84	ul			Marker	3/28/2029
SHP0292	VOA 1:1 HCl:H2O Solution	3	drops			ALL	12/15/2025
TFT220131	TFT (1.05uL)						9/10/2029
TFTL220131	TFTL						9/10/2029
TFTM220131	TFTM						9/10/2029

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15016853	CCV_0131PE10	HC-8015-GRO-	CCV		1/31/2022 12:10:	1	R374194		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	200.454	200.454		168	0	0	2.32	20	0	119%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	216.214	216.214		200	0	0	3.56	20	0	108%	80	120	0%	
Trifluorotoluene	S	ug/L	19.2261	19.2261		25	0	0	0.0743	1	0	77%	80	120	0%	S
GRO as Gasoline	X	ug/L	200.454	200.454		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15016854	CCV_0131PE10	HC-8015-GRO-	CCV		1/31/2022 2:27:2	1	R374194		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	17.49415	17.49415		16.8	0	0	2.32	20	0	104%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	21.11482	21.11482		20	0	0	3.56	20	0	106%	80	120	0%	
Trifluorotoluene	S	ug/L	1.080807	1.080807		1	0	0	0.0743	1	0	108%	80	120	0%	
GRO as Gasoline	X	ug/L	17.49415	17.49415		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15016855	CCV_0131PE10	HC-8015-GRO-	CCV		1/31/2022 3:01:4	1	R374194		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	76.45609	76.45609		84	0	0	2.32	20	0	91%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	93.11385	93.11385		100	0	0	3.56	20	0	93%	80	120	0%	
Trifluorotoluene	S	ug/L	5.398805	5.398805		5	0	0	0.0743	1	0	108%	80	120	0%	
GRO as Gasoline	X	ug/L	76.45609	76.45609		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15016856	CCV_0131PE11	HC-8015-GRO-	CCV		1/31/2022 3:35:5	1	R374194		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	166.2674	166.2674		168	0	0	2.32	20	0	99%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	203.893	203.893		200	0	0	3.56	20	0	102%	80	120	0%	
Trifluorotoluene	S	ug/L	23.55166	23.55166		25	0	0	0.0743	1	0	94%	80	120	0%	
GRO as Gasoline	X	ug/L	166.2674	166.2674		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15016857	CCV_0131PE11	HC-8015-GRO-	CCV		1/31/2022 4:10:1	1	R374194		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	798.8141	798.8141		840	0	0	2.32	20	0	95%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	980.5016	980.5016		1000	0	0	3.56	20	0	98%	80	120	0%	
Trifluorotoluene	S	ug/L	94.4721	94.4721		100	0	0	0.0743	1	0	94%	80	120	0%	
GRO as Gasoline	X	ug/L	798.8141	798.8141		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15016858	CCV_0131PE11	HC-8015-GRO-	CCV		1/31/2022 4:44:2	1	R374194		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	1645.297	1645.297		1680	0	0	2.32	20	0	98%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	2026.306	2026.306		2000	0	0	3.56	20	0	101%	80	120	0%	
Trifluorotoluene	S	ug/L	190.5342	190.5342		200	0	0	0.0743	1	0	95%	80	120	0%	
GRO as Gasoline	X	ug/L	1645.297	1645.297		0	0	0	2.32	20	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15016859	LCS_0131PE11	HC-8015-GRO-	LCS		1/31/2022 5:52:5	1	R374194		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	161.2798	161.2798		170	0	0	2.32	20	0	95%	70	130	0%	
Total Purgeable Hydrocarbons	A	ug/L	199.6474	199.6474		200	0	0	3.56	20	0	100%	70	130	0%	
Trifluorotoluene	S	ug/L	23.3775	23.3775		25	0	0	0.0743	1	0	94%	70	130	0%	
GRO as Gasoline	X	ug/L	161.2798	161.2798		170	0	0	2.32	20	0	95%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15016860	CCV_0131PE11	HC-8015-GRO-	CCV		1/31/2022 6:27:0	1	R374194		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Gasoline Range Organics (GRO)	A	ug/L	169.7584	169.7584		168	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	207.9848	207.9848		200	0	0	3.56	20	0	104%	80	120	0%	
Trifluorotoluene	S	ug/L	23.90722	23.90722		25	0	0	0.0743	1	0	96%	80	120	0%	
GRO as Gasoline	X	ug/L	169.7584	169.7584		0	0	0	2.32	20	0	0%	0	0	0%	

Write Sequence Data File	Insert Entries(Have the first cell for entries selecte Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
G:\Org\PE1\DAT\PE1013122_b\0131PE1.04r	CCV_0131PE104r, GQC ;0131PE1 , 8015 Marker	G:\Org\PE1\Methods\22013	1	1	1	1	0
G:\Org\PE1\DAT\PE1013122_b\0131PE1.05r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0
G:\Org\PE1\DAT\PE1013122_b\0131PE1.06r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0
G:\Org\PE1\DAT\PE1013122_b\0131PE1.07r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0
G:\Org\PE1\DAT\PE1013122_b\0131PE1.08r	CCV_0131PE108r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0
G:\Org\PE1\DAT\PE1013122_b\0131PE1.09r	CCV_0131PE109r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0
G:\Org\PE1\DAT\PE1013122_b\0131PE1.10r	CCV_0131PE110r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0
G:\Org\PE1\DAT\PE1013122_b\0131PE1.11r	CCV_0131PE111r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0
G:\Org\PE1\DAT\PE1013122_b\0131PE1.12r	CCV_0131PE112r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0
G:\Org\PE1\DAT\PE1013122_b\0131PE1.13r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0
G:\Org\PE1\DAT\PE1013122_b\0131PE1.14r	LCS_0131PE114r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	5	1	1	1	0
G:\Org\PE1\DAT\PE1013122_b\0131PE1.15r	CCV_0131PE115r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0
G:\Org\PE1\DAT\PE1013122_b\0131PE1.16r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0

File Name: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Version: 3

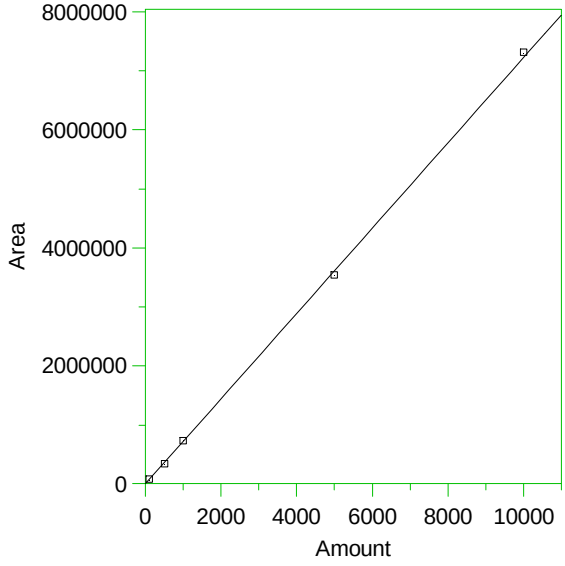
Creator: jmp
Description: 8015 GRO Composite Gasoline Std 1/31/22
Reason for change:

External standard calibration
Standard injection volume: 1
Standard sample weight: 1
Area reject threshold: 50
Reference peak area reject threshold: 15000
Amount units: nanograms
No default component

Method of calculating data point averages: Current update equal to cal data
Print calibration update report

All levels are normal data points.

1 TPH



Expected retention time: 4.55 minutes
Search window: 0.1 minutes
No retention time reference component
Group number: 1

High alarm limit: 1000000
Low alarm limit: 1000
Component constant: 1

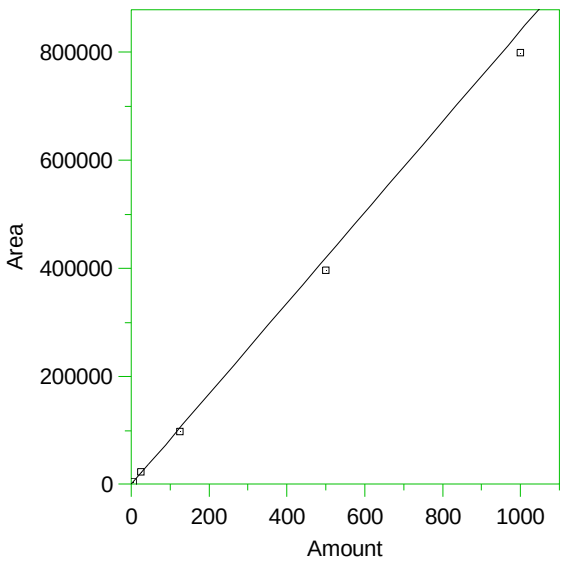
Single peak quantification by area

Y = 722.4935 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9996092
Average error: 3.534%
Average CF: 722.4935
RSD: 4.685%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	100	76276.62	762.7662	5.574	Manual	2/1/2022 7:26:05 AM
2	500	336370.8	672.7416	-6.886	Manual	2/1/2022 7:26:25 AM
3	1000	736557	736.557	1.947	Manual	2/1/2022 7:26:52 AM
4	5000	3542030	708.406	-1.950	Manual	2/1/2022 7:27:05 AM
5	10000	7319965	731.9965	1.315	Manual	2/1/2022 7:27:19 AM

2 **Trifluorotoluene



Expected retention time: 8.71 minutes
Search window: 0.1 minutes
No retention time reference component
Group number: 1

High alarm limit: 1000000
Low alarm limit: 1000
Component constant: 1

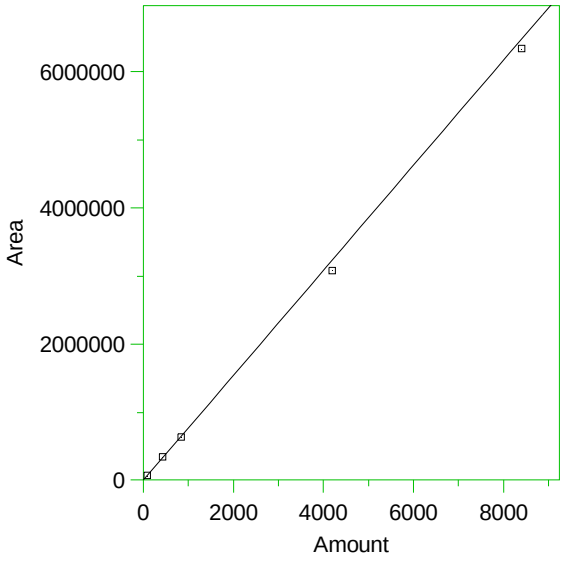
Single peak quantification by area

Y = 839.5676 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9952849
Average error: 6.422%
Average CF: 839.5676
RSD: 7.338%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	5	4537	907.4	8.079	Manual	2/1/2022 7:19:40 AM
2	25	22663	906.52	7.975	Manual	2/1/2022 7:21:37 AM
3	125	98866	790.928	-5.793	Manual	2/1/2022 7:22:41 AM
4	500	396579	793.158	-5.528	Manual	2/1/2022 7:23:45 AM
5	1000	799832	799.832	-4.733	Manual	2/1/2022 7:24:36 AM

3 GRO Range End



Expected retention time: 17.84 minutes
Search window: 0.1 minutes
No retention time reference component
Group number: 1

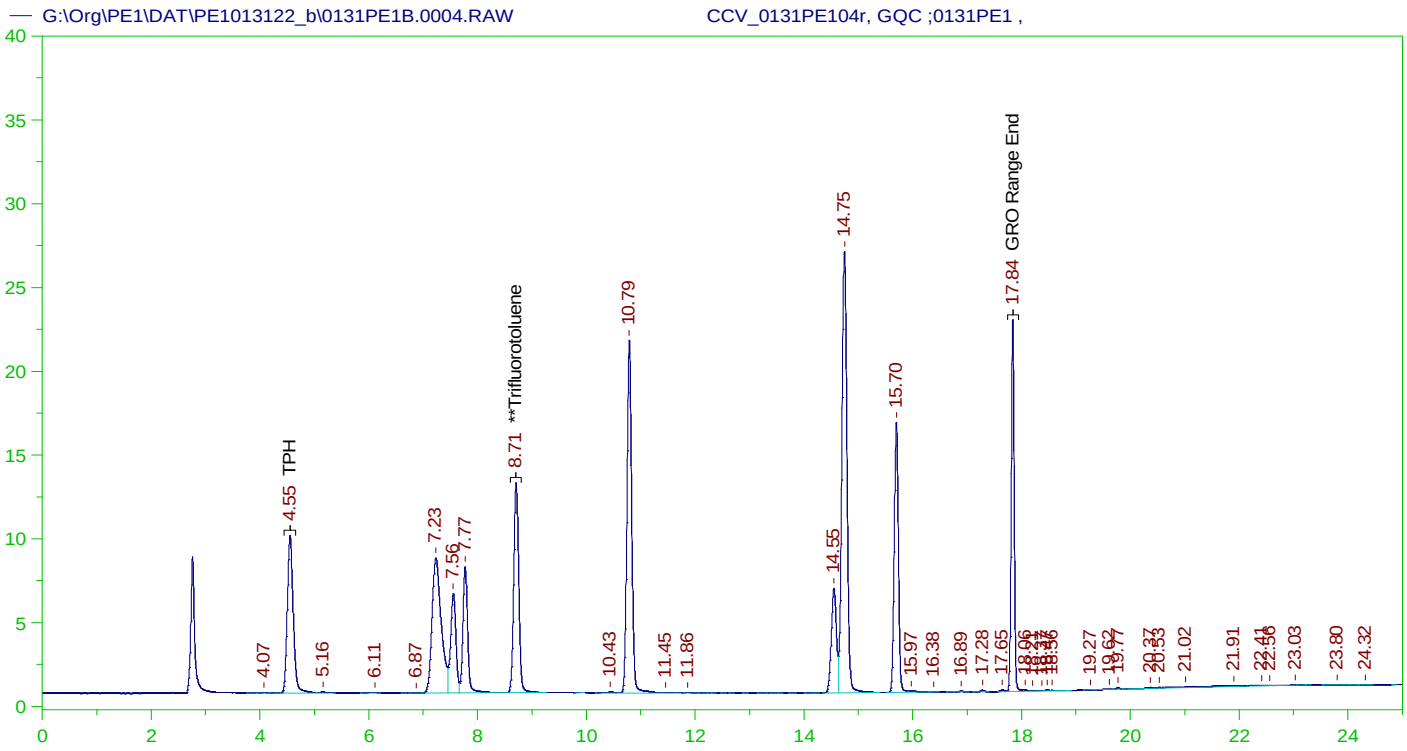
High alarm limit: 1000000
Low alarm limit: 1000
Component constant: 1

Single peak quantification by area

Y = 771.0573 X + 0

Average CF fit with equal weighting, forced to origin
Coefficient of determination: 0.9984711
Average error: 3.200%
Average CF: 771.0573
RSD: 3.918%

Level	Amount	Response	Cal Factor	Error, %	Source	Date and time
1	84	67444.98	802.9164	4.132	Manual	2/1/2022 7:26:14 AM
2	420	336370.8	800.8829	3.868	Manual	2/1/2022 7:26:43 AM
3	840	641008.4	763.1052	-1.031	Manual	2/1/2022 7:26:58 AM
4	4200	3079658	733.2519	-4.903	Manual	2/1/2022 7:27:11 AM
5	8400	6343092	755.13	-2.066	Manual	2/1/2022 7:27:25 AM



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0131PE104r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0004.RAW
Date & Time Acquired: 1/31/2022 12:10:04 PM
Method File: G:\Org\PE1\Methods\220131GROB.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

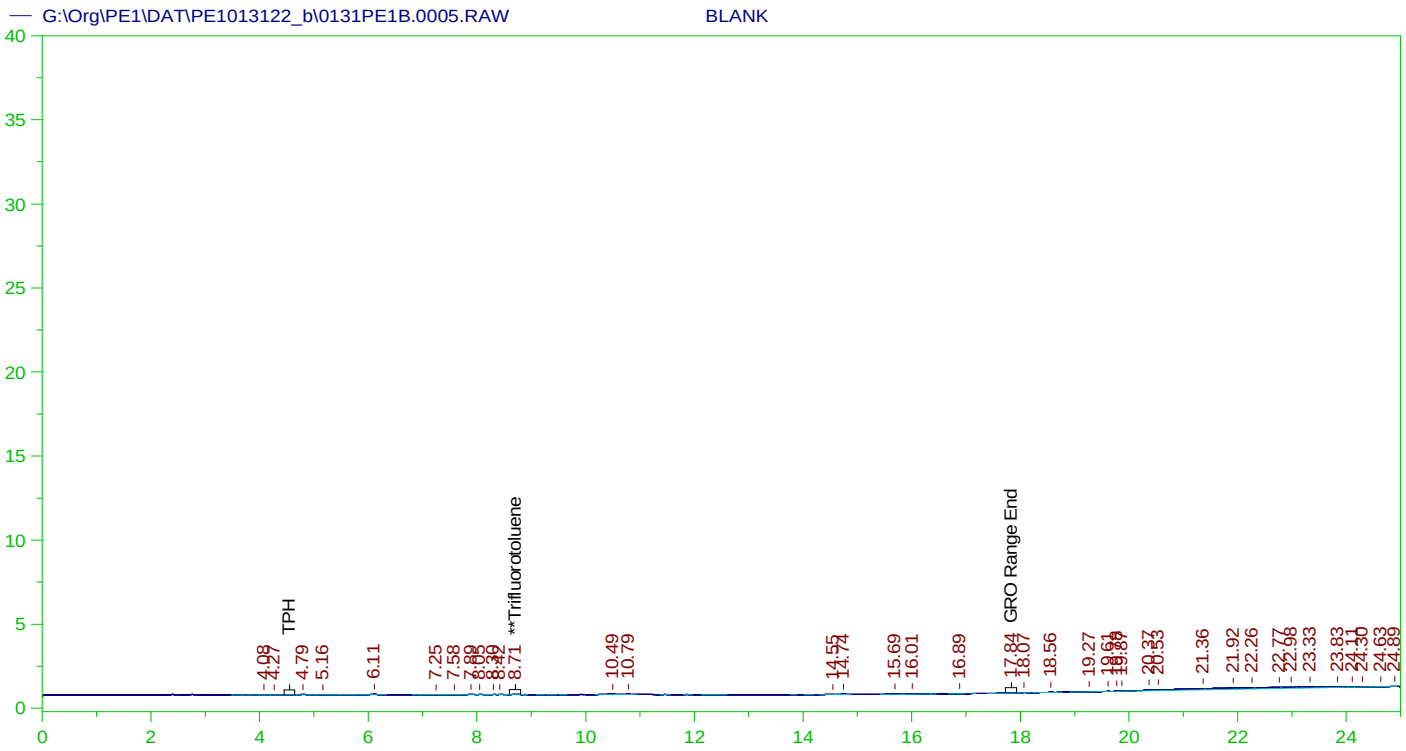
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.711	125.	96.13	76.9	-

GRO Area:772807.5 GRO Amount: 1002.27
TPH Area:781066.3 TPH Amount: 1081.07

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0004.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	1002.27	119.32	85-115
TPH	1000.	1081.07	108.11	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.711	125.	96.13	76.9	85-115

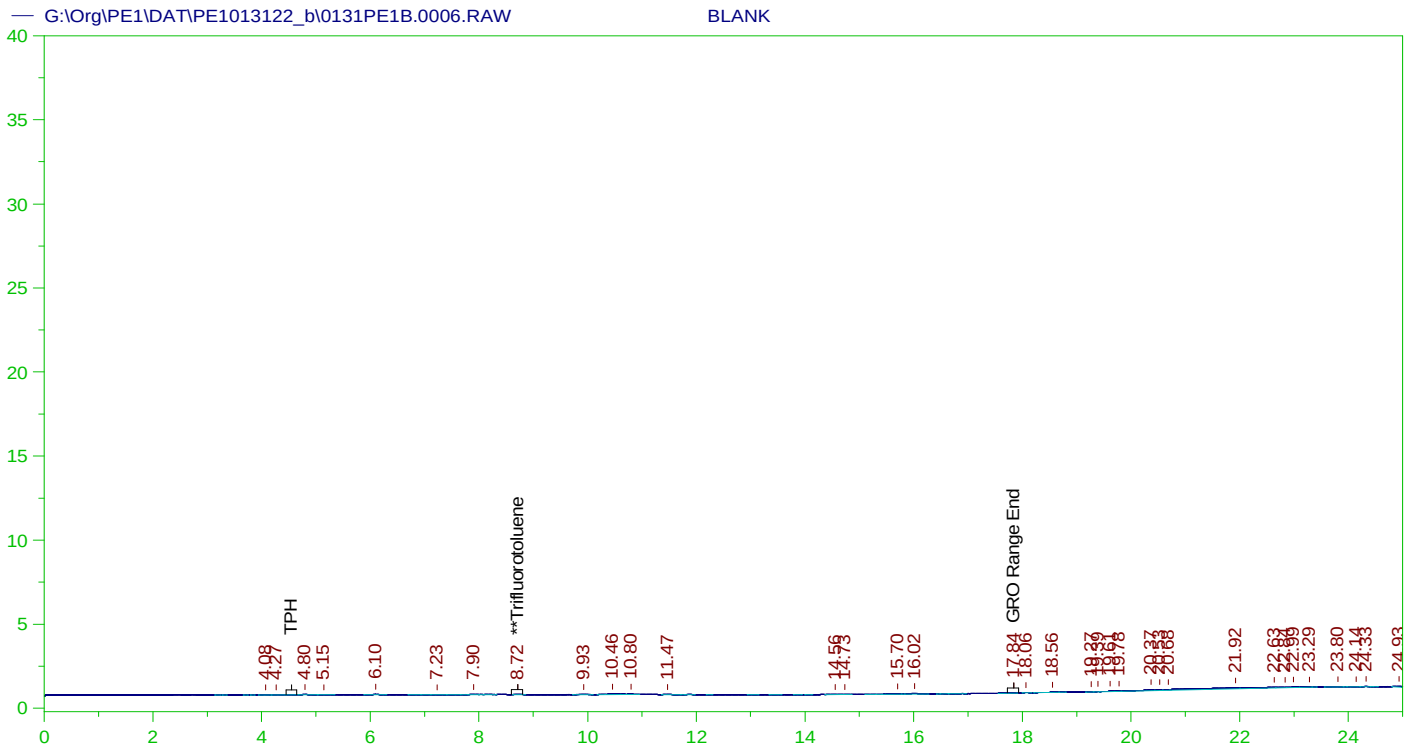


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0005.RAW
Date & Time Acquired: 1/31/2022 12:44:25 PM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.706	125.	.171	.14	-

GRO Area:3593.88 GRO Amount: 3.799157
TPH Area:20521.98 TPH Amount: 22.56672

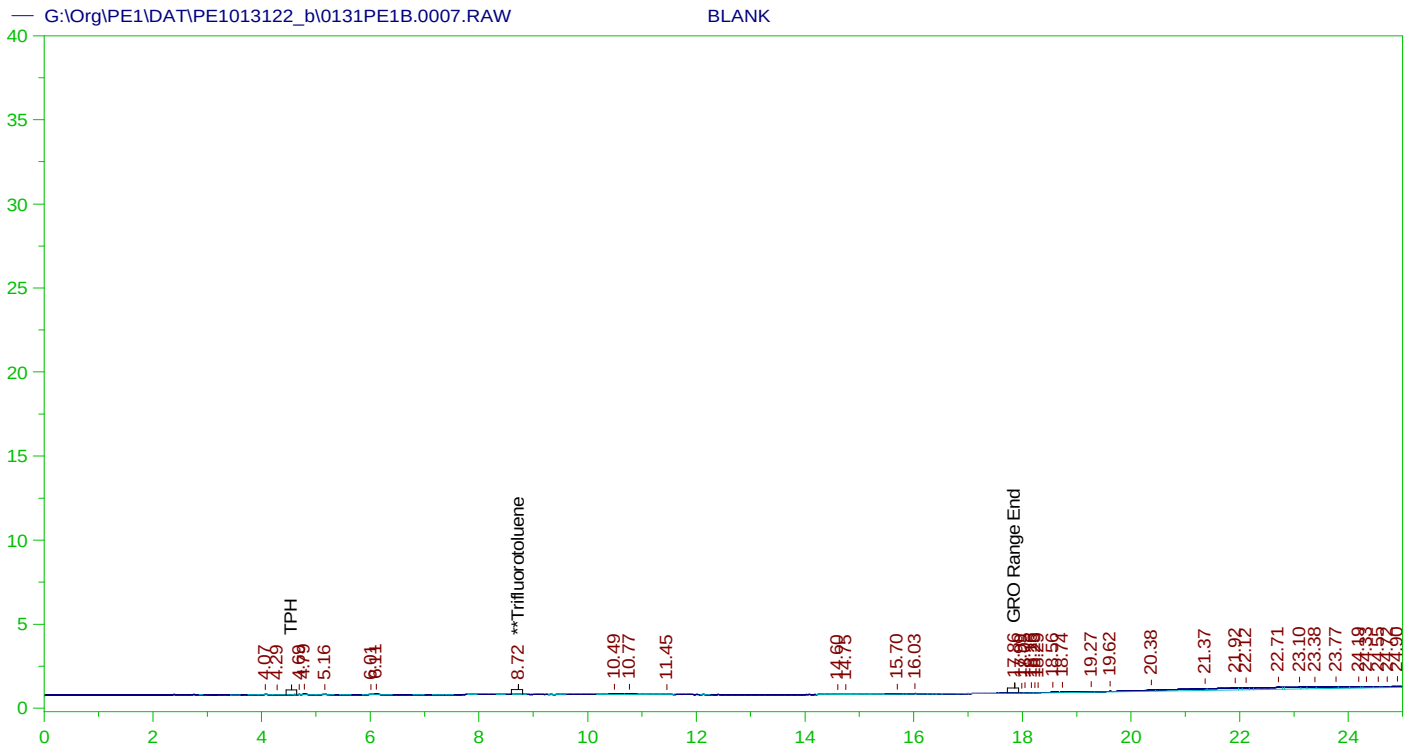


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0006.RAW
Date & Time Acquired: 1/31/2022 1:18:47 PM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.718	125.	.082	.07	-

GRO Area:2833.688 GRO Amount: 2.995544
TPH Area:12051.29 TPH Amount: 13.25203

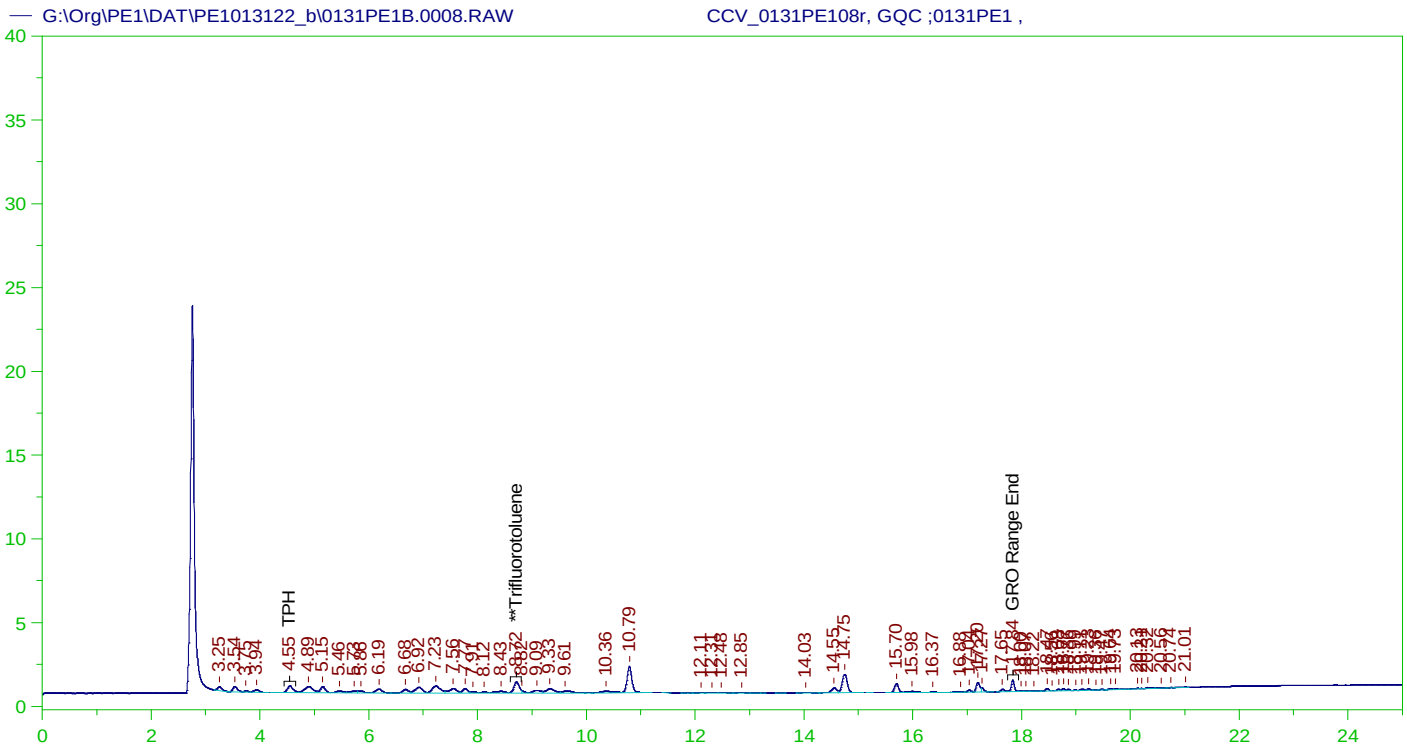


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0007.RAW
Date & Time Acquired: 1/31/2022 1:53:03 PM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.724	125.	.086	.07	-

GRO Area:3332.435 GRO Amount: 3.522779
TPH Area:31456.52 TPH Amount: 34.59073



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0131PE108r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0008.RAW
Date & Time Acquired: 1/31/2022 2:27:25 PM
Method File: G:\Org\PE1\Methods\220131GROG1B%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

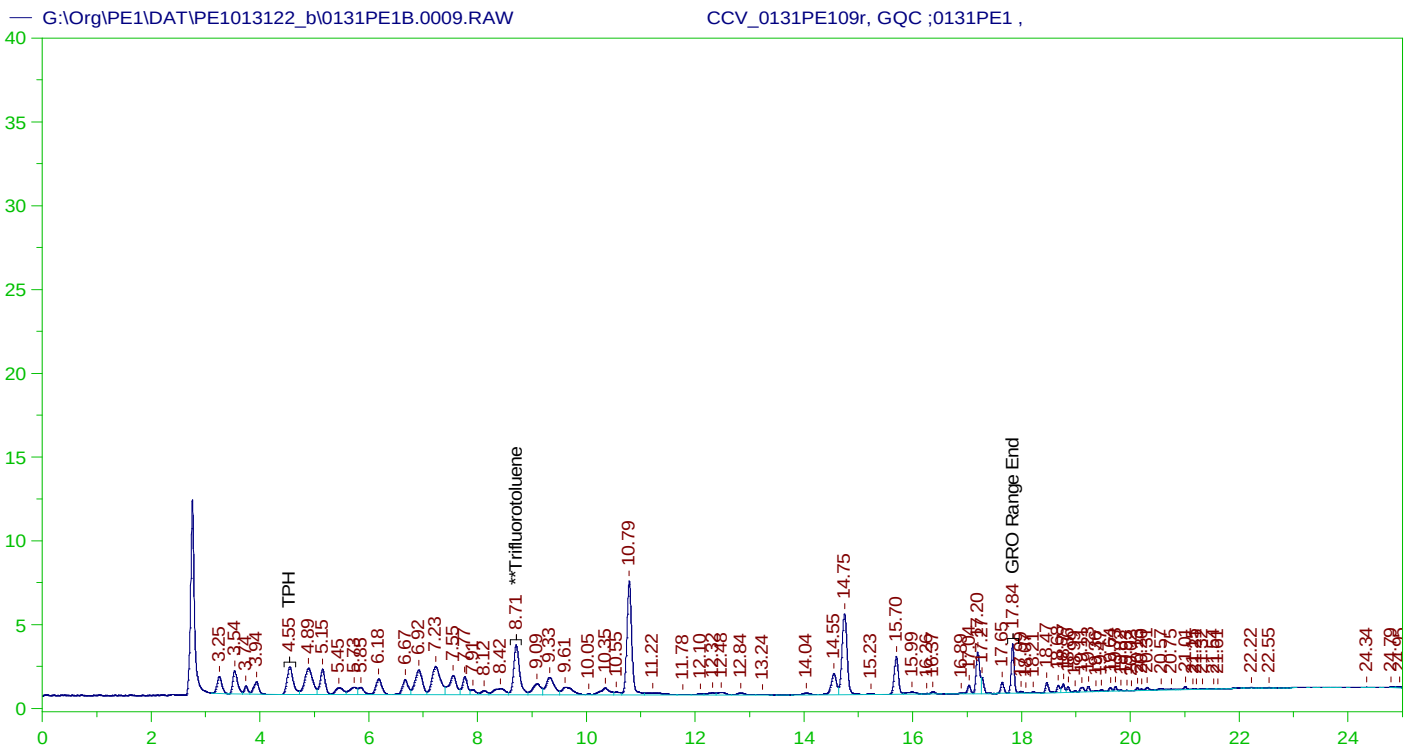
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.716	125.	5.404	4.32	-

GRO Area:67444.98 GRO Amount: 87.47077
TPH Area:76276.62 TPH Amount: 105.5741

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0008.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	87.47	10.41	85-115
TPH	1000.	105.57	10.56	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.716	125.	5.404	4.32	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0131PE109r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0009.RAW
Date & Time Acquired: 1/31/2022 3:01:45 PM
Method File: G:\Org\PE1\Methods\220131GROG2B%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

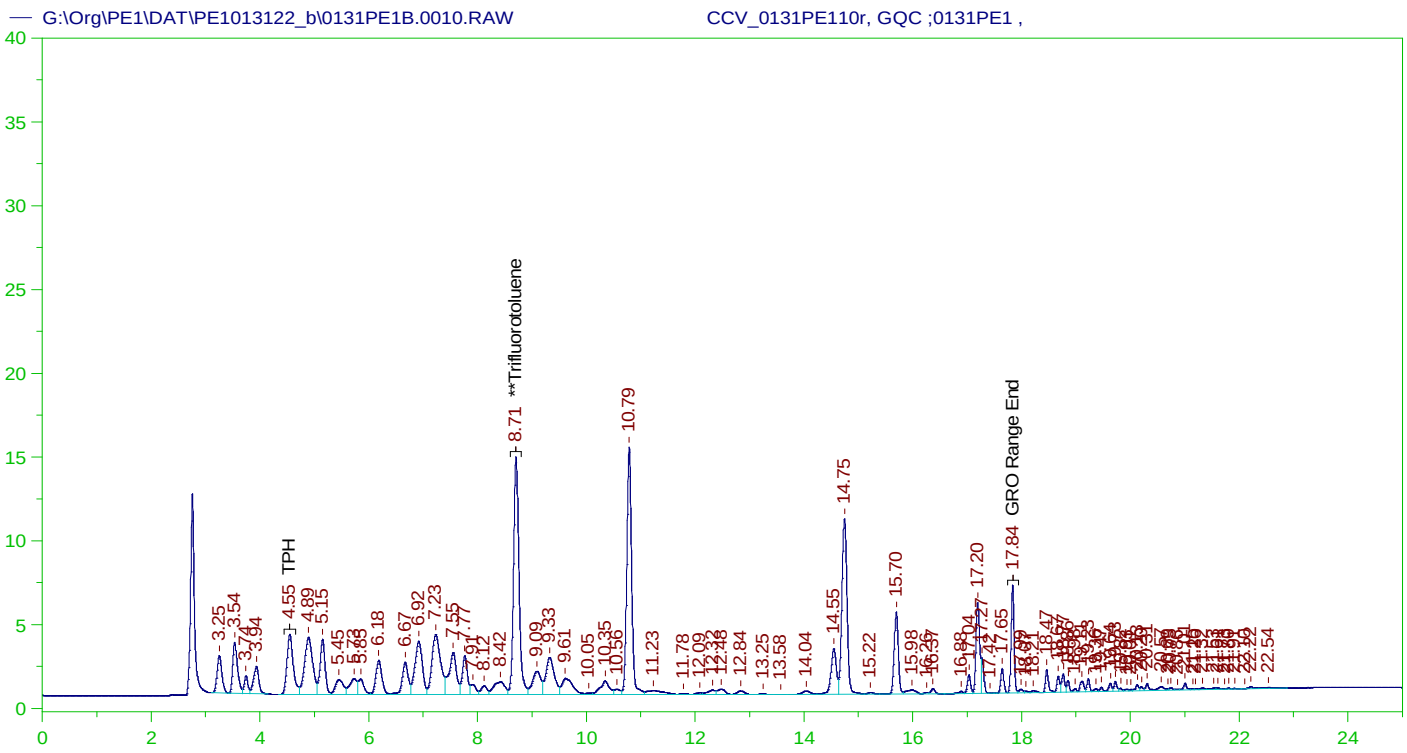
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.712	125.	26.994	21.6	-

GRO Area:294760.1 GRO Amount: 382.2804
TPH Area:336370.8 TPH Amount: 465.5693

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0009.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	382.28	45.51	85-115
TPH	1000.	465.57	46.56	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.712	125.	26.994	21.6	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0131PE110r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0010.RAW
Date & Time Acquired: 1/31/2022 3:35:57 PM
Method File: G:\Org\PE1\Methods\220131GROG3B%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

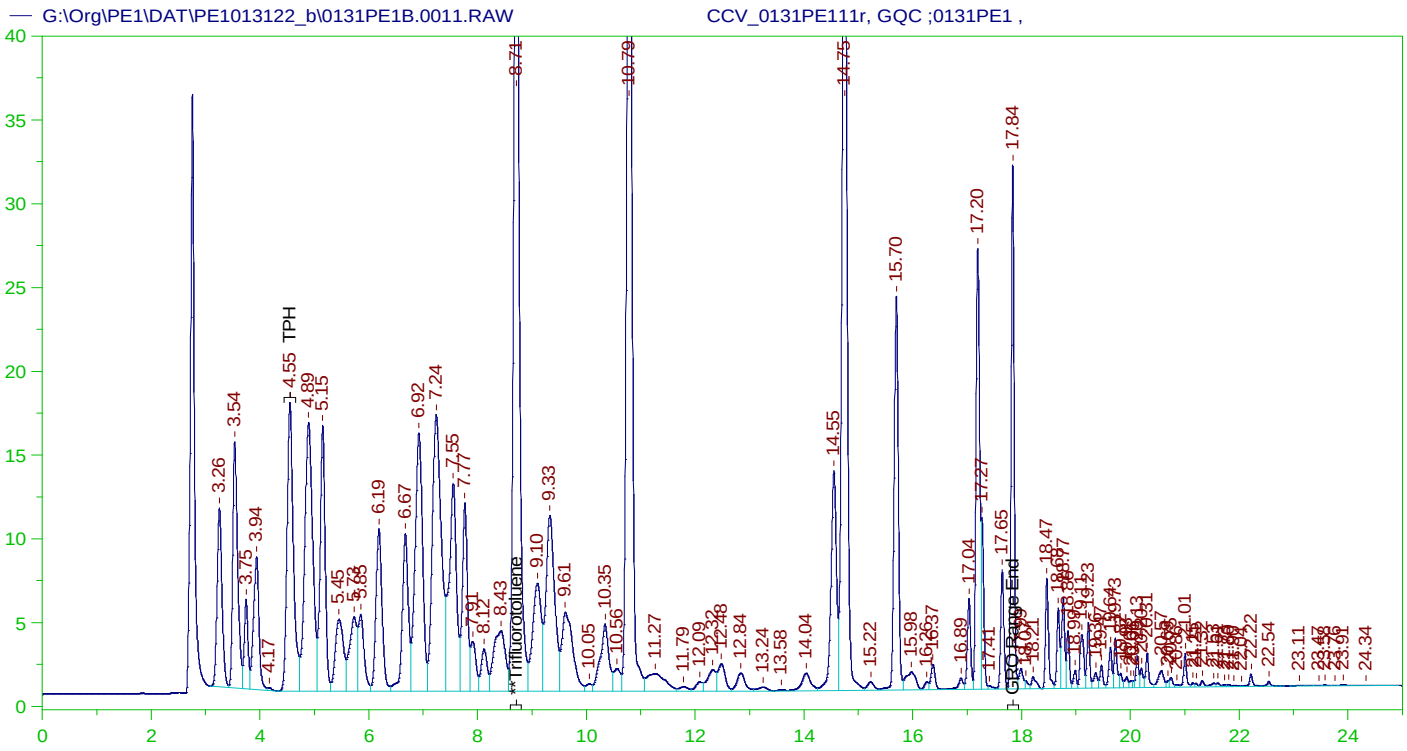
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.709	125.	117.758	94.21	-

GRO Area:641008.4 GRO Amount: 831.3369
TPH Area:736557 TPH Amount: 1019.465

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0010.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	831.34	98.97	85-115
TPH	1000.	1019.47	101.95	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.709	125.	117.758	94.21	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0131PE111r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0011.RAW
Date & Time Acquired: 1/31/2022 4:10:10 PM
Method File: G:\Org\PE1\Methods\220131GROG4B%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.711	125.	472.361	377.89	-

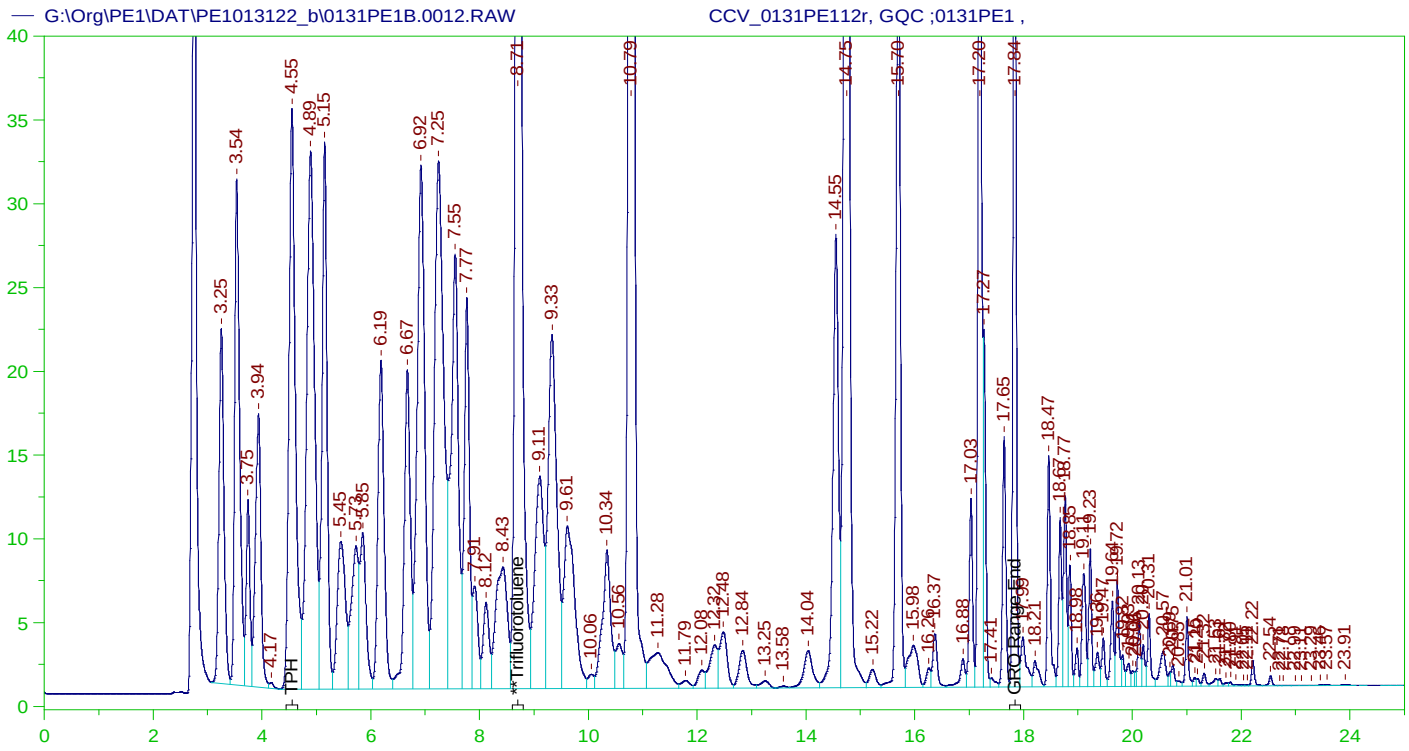
GRO Area:3079658 GRO Amount: 3994.071
TPH Area:3542030 TPH Amount: 4902.508

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0011.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	3994.07	475.48	85-115
TPH	1000.	4902.51	490.25	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.711	125.	472.361	377.89	85-115

G:\org\PE1\dat\PE1013122_b\Review\011_CCV_0131PE111r_220131GROG4B%.xls



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0131PE112r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0012.RAW
Date & Time Acquired: 1/31/2022 4:44:21 PM
Method File: G:\Org\PE1\Methods\220131GROG5B%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

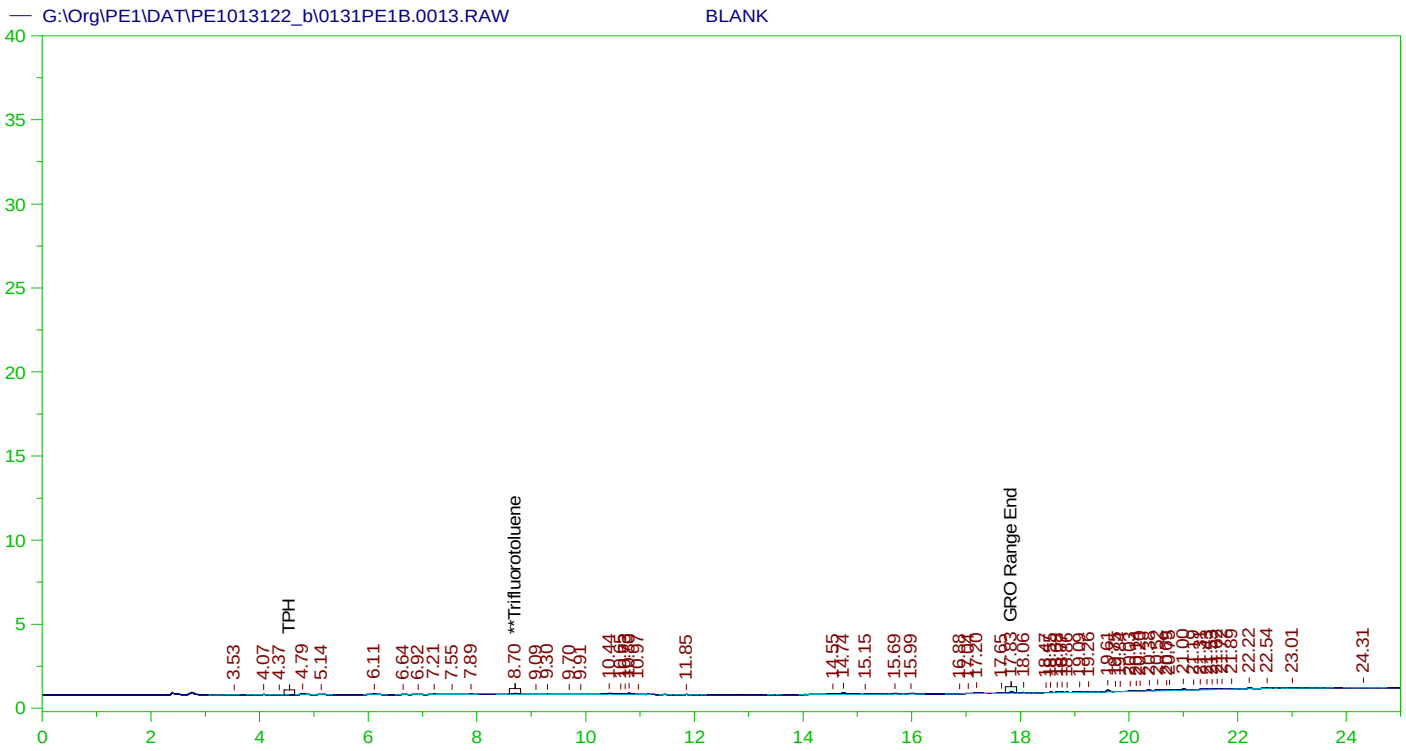
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.711	125.	952.671	762.14	-

GRO Area:6343092 GRO Amount: 8226.485
TPH Area:7319965 TPH Amount: 10131.53

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0012.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	8226.49	979.34	85-115
TPH	1000.	10131.53	1013.15	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.711	125.	952.671	762.14	85-115

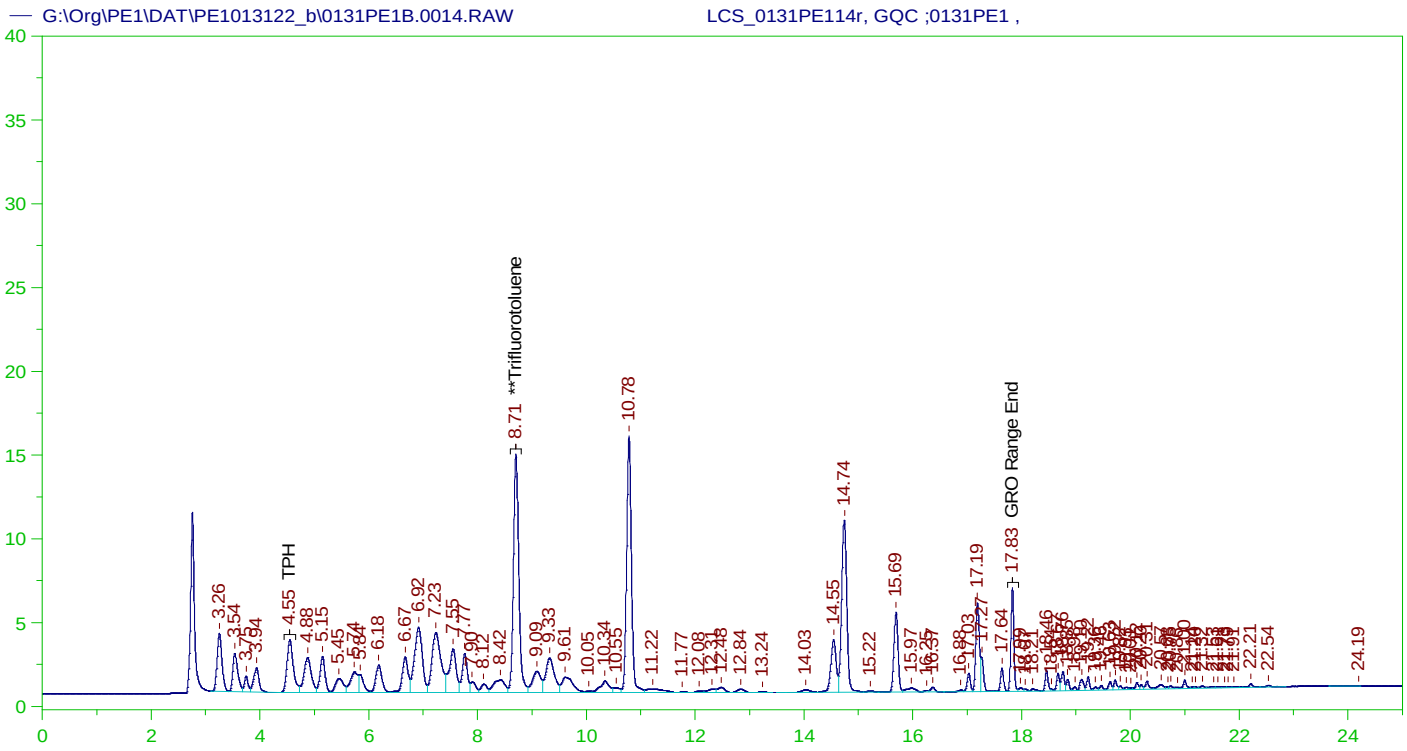


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0013.RAW
Date & Time Acquired: 1/31/2022 5:18:32 PM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.704	125.	.394	.32	-

GRO Area:7303.039 GRO Amount: 7.720177
TPH Area:13762.95 TPH Amount: 15.13424

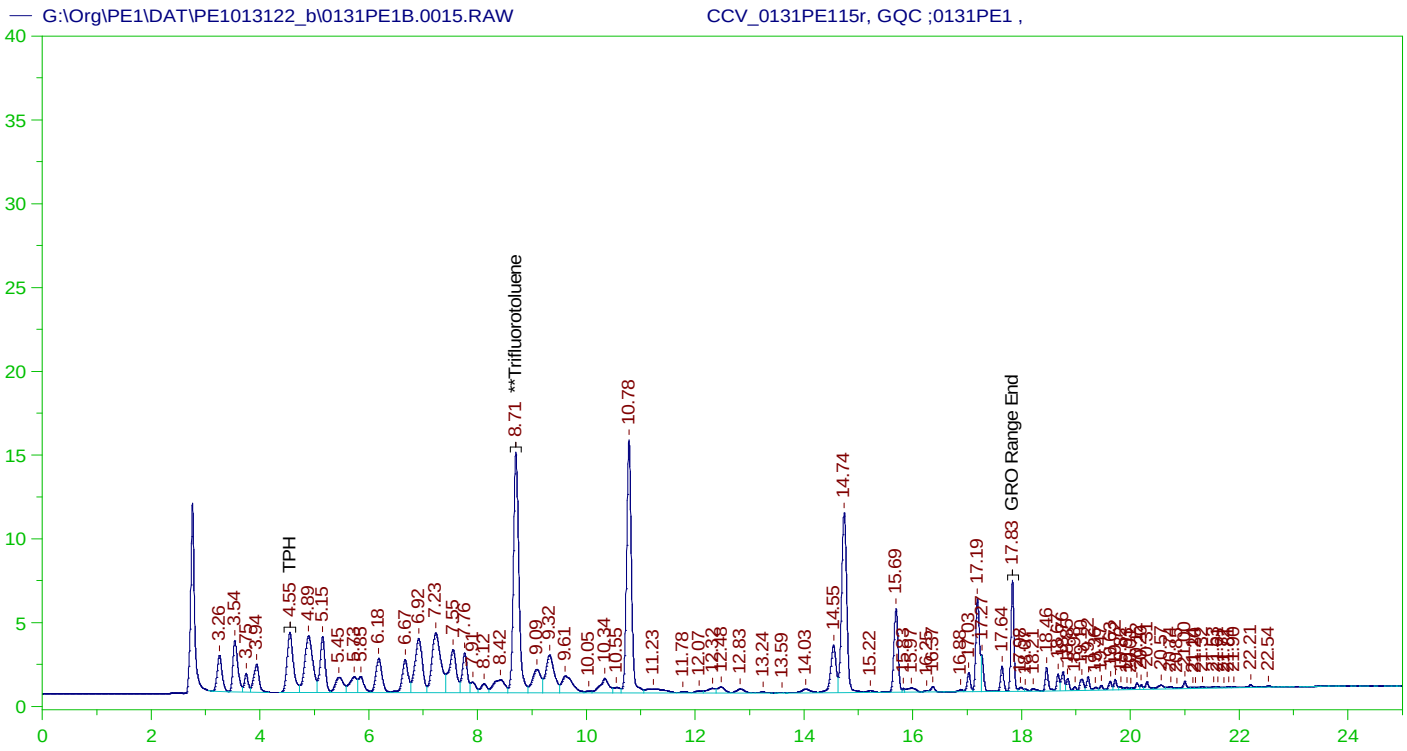


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: LCS_0131PE114r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0014.RAW
Date & Time Acquired: 1/31/2022 5:52:52 PM
Method File: G:\Org\PE1\Methods\220131GROICVB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.707	25.	23.378	93.51	-

GRO Area:621779.8 GRO Amount: 161.2798
TPH Area:721219.8 TPH Amount: 199.6474



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0131PE115r, GQC ;0131PE1 ,
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0015.RAW
Date & Time Acquired: 1/31/2022 6:27:09 PM
Method File: G:\Org\PE1\Methods\220131GROCCVB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

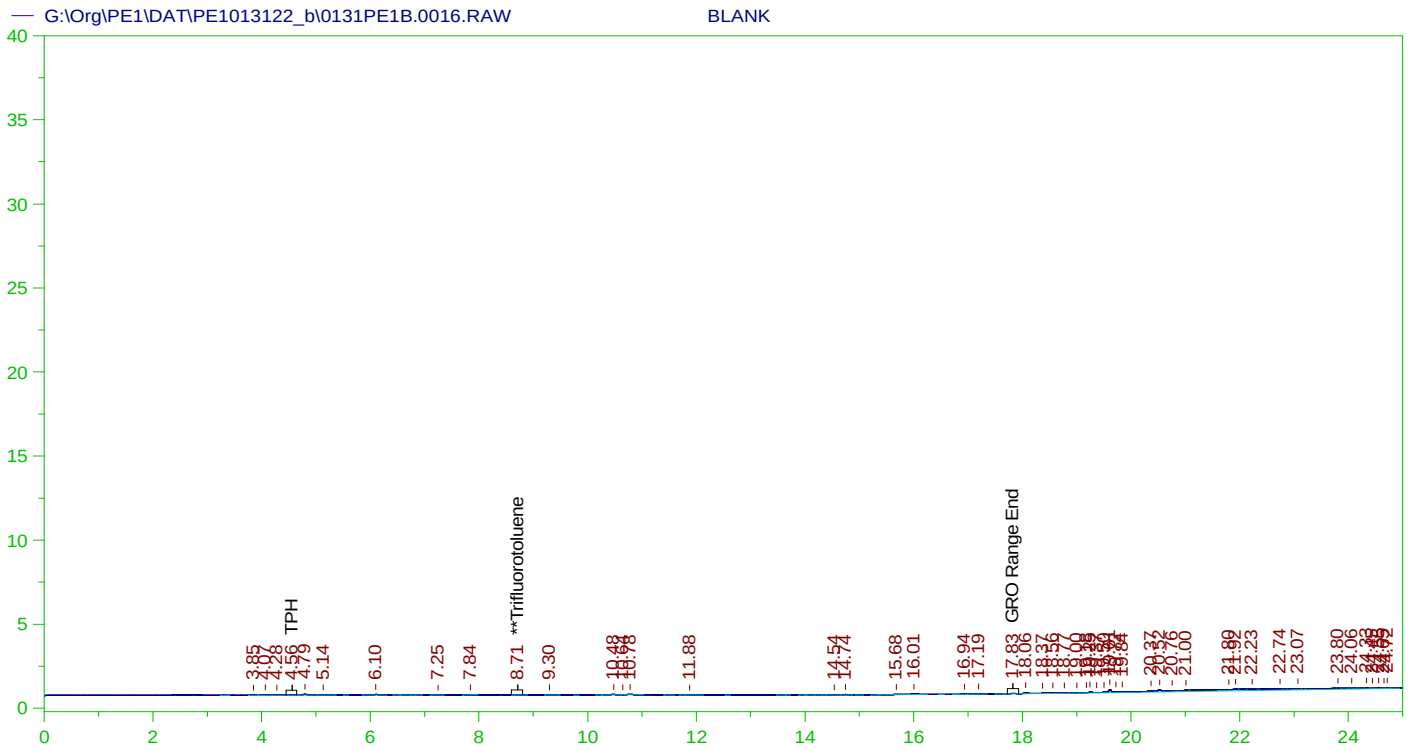
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.706	125.	119.536	95.63	-

GRO Area:654467.3 GRO Amount: 848.7921
TPH Area:751338.3 TPH Amount: 1039.924

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0015.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
GRO	840.	848.79	101.05	85-115
TPH	1000.	1039.92	103.99	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.706	125.	119.536	95.63	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1013122_b\0131PE1B.0016.RAW
Date & Time Acquired: 1/31/2022 7:01:31 PM
Method File: G:\Org\PE1\Methods\211208GROB.MET
Calibration File: G:\Org\PE1\Cals\211208GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for GRO: 945.9678
Mean RF for TPH: 909.3915
Rt range for Gasoline Range Organics: 4.45 to 17.93

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.713	125.	.167	.13	-

GRO Area:3679.193 GRO Amount: 3.889343
TPH Area:22179.57 TPH Amount: 24.38946

Write Sequence Data File	Insert Entries(Have the first cell for entries selecte Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID	Manual Integrations
G:\Org\PE1\DAT\PE1013122_b\0131PE1.04r	CCV_0131PE104r, GQC ;0131PE1 , 8015 Marker	G:\Org\PE1\Methods\22013	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1013122_b\0131PE1.05r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1013122_b\0131PE1.06r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1013122_b\0131PE1.07r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1013122_b\0131PE1.08r	CCV_0131PE108r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.09r	CCV_0131PE109r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.10r	CCV_0131PE110r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.11r	CCV_0131PE111r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.12r	CCV_0131PE112r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.13r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1013122_b\0131PE1.14r	LCS_0131PE114r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.15r	CCV_0131PE115r, GQC ;0131PE1 ,	G:\Org\PE1\Methods\22013	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons
G:\Org\PE1\DAT\PE1013122_b\0131PE1.16r	BLANK	G:\Org\PE1\Methods\22013	1	1	1	1	0	None

Digitally signed by
Josie Pickard
Date: 2022.02.18 14:51:04 -07:00

Energy Laboratories Inc

ANALYTICAL RUN Summary

18-Feb-22

Run ID PE 1_220209A

Run Start Date:	2/9/2022
Analyst:	Josie Pickard
Ical:	0
Column ID:	Rtx-502.2
Comments:	Evaluated to include numbers that are above the MDL and below the LOD per QA and client request

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
GAS220104	Unleaded Gasoline Comp. Std.(2.0uL)	2	ul			CCV	6/7/2023
GQC211012	Gasoline Composite Mix (1.68uL)	1.68	ul			LCS, MS/M	4/2/2030
GROS200921	Gro Stock Standard Mt.Gro	0.84	ul			Marker	3/28/2029
SHP0292	VOA 1:1 HCl:H2O Solution	3	drops			CCV, LCS,	12/15/2025
TFT220209	TFT (1.05uL)	1.05	ul			SURR	9/10/2029

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032268	CCV_0209PE10	HC-8015-GRO-	SAMP		2/9/2022 8:45:35	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	206.7306	206.7306		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	221.5457	221.5457		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.91711	20.91711		25	0	0	0.0743	1	0	84%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032269	CCV_0209PE10	HC-8015-GRO-	CCV		2/9/2022 9:19:47	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	168.8843	168.8843		168	0	0	2.32	20	0	101%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	206.9255	206.9255		200	0	0	3.56	20	0	103%	80	120	0%	
Trifluorotoluene	S	ug/L	23.96412	23.96412		25	0	0	0.0743	1	0	96%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032270	LCS_0209PE10	HC-8015-GRO-	LCS		2/9/2022 9:54:03	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	163.1664	163.1664		170	0	0	2.32	20	0	96%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	200.8238	200.8238		200	0	0	3.56	20	0	100%	70	130	0%	
Trifluorotoluene	S	ug/L	23.30238	23.30238		25	0	0	0.0743	1	0	93%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032271	MBLK_0209PE	HC-8015-GRO-	MBLK		2/9/2022 10:28:1	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	21.33576	21.33576		25	0	0	0.0743	1	0	85%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032272	B22020415-034	HC-8015-GRO-	SAMP		2/9/2022 11:02:3	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.6524	20.6524		25	0	0	0.0743	1	0	83%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032273	B22020415-032	HC-8015-GRO-	SAMP		2/9/2022 11:36:5	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	3.439857	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.95544	20.95544		25	0	0	0.0743	1	0	84%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032274	B22020415-003	HC-8015-GRO-	SAMP		2/9/2022 12:45:4	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032274	B22020415-003	HC-8015-GRO-	SAMP		2/9/2022 12:45:4	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.4584	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.94843	20.94843		25	0	0	0.0743	1	0	84%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032275	B22020415-008	HC-8015-GRO-	SAMP		2/9/2022 1:20:02	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	4.266631	4.266631		0	0	0	2.32	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	9.084947	9.084947		0	0	0	3.56	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	21.2106	21.2106		25	0	0	0.0743	1	0	85%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032276	B22020415-013	HC-8015-GRO-	SAMP		2/9/2022 1:54:17	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.58376	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	21.57898	21.57898		25	0	0	0.0743	1	0	86%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032277	B22020415-019	HC-8015-GRO-	SAMP		2/9/2022 2:28:35	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.93662	20.93662		25	0	0	0.0743	1	0	84%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032278	B22020415-024	HC-8015-GRO-	SAMP		2/9/2022 3:37:09	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032278	B22020415-024	HC-8015-GRO-	SAMP		2/9/2022 3:37:09	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.034566	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	21.35851	21.35851		25	0	0	0.0743	1	0	85%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032279	B22020415-029	HC-8015-GRO-	SAMP		2/9/2022 4:45:46	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.127346	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.95484	20.95484		25	0	0	0.0743	1	0	84%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032280	B22020415-032	HC-8015-GRO-	MS		2/9/2022 7:03:15	1	R374604		2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	160.8753	160.8753		170	0	0	2.32	20	0	95%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	198.8712	198.8712		200	0	0	3.56	20	0	99%	70	130	0%	
Trifluorotoluene	S	ug/L	22.36907	22.36907		25	0	0	0.0743	1	0	89%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032281	B22020415-032	HC-8015-GRO-	MSD		2/9/2022 7:37:31	1	R374604		2E+07	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	164.4094	164.4094		170	0	160.8753	2.32	20	0	97%	78	122	2%	
Total Purgeable Hydrocarbons	A	ug/L	203.9688	203.9688		200	0	198.8712	3.56	20	0	102%	70	130	3%	
Trifluorotoluene	S	ug/L	23.16402	23.16402		25	0	0	0.0743	1	0	93%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032282	CCV_0209PE12	HC-8015-GRO-	SAMP		2/9/2022 8:11:45	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032282	CCV_0209PE12	HC-8015-GRO-	SAMP		2/9/2022 8:11:45	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	202.5457	202.5457		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	216.7716	216.7716		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	21.04533	21.04533		25	0	0	0.0743	1	0	84%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032283	CCV_0209PE12	HC-8015-GRO-	CCV		2/9/2022 8:45:57	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	165.4042	165.4042		168	0	0	2.32	20	0	98%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	202.8466	202.8466		200	0	0	3.56	20	0	101%	80	120	0%	
Trifluorotoluene	S	ug/L	22.48408	22.48408		25	0	0	0.0743	1	0	90%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032284	LCS_0209PE12	HC-8015-GRO-	LCS		2/9/2022 9:20:11	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	159.3032	159.3032		170	0	0	2.32	20	0	94%	78	122	0%	
Total Purgeable Hydrocarbons	A	ug/L	195.9439	195.9439		200	0	0	3.56	20	0	98%	70	130	0%	
Trifluorotoluene	S	ug/L	22.60929	22.60929		25	0	0	0.0743	1	0	90%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032285	MBLK_0209PE	HC-8015-GRO-	MBLK		2/9/2022 9:54:25	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	10	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	10	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	21.00976	21.00976		25	0	0	0.0743	1	0	84%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032286	B22020415-001	HC-8015-GRO-	SAMP		2/9/2022 10:28:4	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032286	B22020415-001	HC-8015-GRO-	SAMP		2/9/2022 10:28:4	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	3.740707	3.740707		0	0	0	2.32	20	0	0%	0	0	0%	J
Total Purgeable Hydrocarbons	A	ug/L	63.09756	63.09756		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.8889	19.8889		25	0	0	0.0743	1	0	80%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032287	B22020415-006	HC-8015-GRO-	SAMP		2/9/2022 11:37:2	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	2.063137	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	30.79859	30.79859		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	20.45523	20.45523		25	0	0	0.0743	1	0	82%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032288	B22020415-011	HC-8015-GRO-	SAMP		2/10/2022 12:45:	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.061043	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.64886	20.64886		25	0	0	0.0743	1	0	83%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032289	B22020415-016	HC-8015-GRO-	SAMP		2/10/2022 1:54:2	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	2.214696	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.34177	20.34177		25	0	0	0.0743	1	0	81%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032290	B22020415-017	HC-8015-GRO-	SAMP		2/10/2022 3:02:5	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032290	B22020415-017	HC-8015-GRO-	SAMP		2/10/2022 3:02:5	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.71207	20.71207		25	0	0	0.0743	1	0	83%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032291	B22020415-022	HC-8015-GRO-	SAMP		2/10/2022 4:11:2	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	0	0		0	0	0	3.56	20	0	0%	0	0	0%	U
Trifluorotoluene	S	ug/L	20.39984	20.39984		25	0	0	0.0743	1	0	82%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032292	B22020415-027	HC-8015-GRO-	SAMP		2/10/2022 5:19:5	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	0	0		0	0	0	2.32	20	0	0%	0	0	0%	U
Total Purgeable Hydrocarbons	A	ug/L	10.75432	10.75432		0	0	0	3.56	20	0	0%	0	0	0%	J
Trifluorotoluene	S	ug/L	20.06459	20.06459		25	0	0	0.0743	1	0	80%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032293	CCV_0209PE14	HC-8015-GRO-	SAMP		2/10/2022 6:28:3	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	192.9331	192.9331		0	0	0	2.32	20	0	0%	0	0	0%	
Total Purgeable Hydrocarbons	A	ug/L	206.3678	206.3678		0	0	0	3.56	20	0	0%	0	0	0%	
Trifluorotoluene	S	ug/L	19.57404	19.57404		25	0	0	0.0743	1	0	78%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032294	CCV_0209PE14	HC-8015-GRO-	CCV		2/10/2022 7:02:5	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15032294	CCV_0209PE14	HC-8015-GRO-	CCV		2/10/2022 7:02:5	1	R374604		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
C6 to C10	A	ug/L	161.2656	161.2656		168	0	0	2.32	20	0	96%	80	120	0%	
Total Purgeable Hydrocarbons	A	ug/L	197.7022	197.7022		200	0	0	3.56	20	0	99%	80	120	0%	
Trifluorotoluene	S	ug/L	23.11282	23.11282		25	0	0	0.0743	1	0	92%	80	120	0%	

Write Sequence Data File	Insert Entries(Have the first cell for entries selecte Sample Name	Method	Weight	Dil Factor	Amt Inj.	IS	Cal ID
G:\Org\PE1\DAT\PE1020922_b\0209PE1.01r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.02r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.03r	CCV_0209PE103r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.04r	CCV_0209PE104r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.05r	LCS_0209PE105r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.06r	MBLK_0209PE106r, QC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.07r	B22020415-034A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.08r	B22020415-032G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
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G:\Org\PE1\DAT\PE1020922_b\0209PE1.10r	B22020415-003A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.11r	B22020415-008A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.12r	B22020415-013A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.13r	B22020415-019A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.14r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.15r	B22020415-024A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.16r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.17r	B22020415-029A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.18r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
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G:\Org\PE1\DAT\PE1020922_b\0209PE1.20r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.21r	B22020415-032GMS, GQC ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
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G:\Org\PE1\DAT\PE1020922_b\0209PE1.25r	LCS_0209PE125r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.26r	MBLK_0209PE126r, QC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.27r	B22020415-001G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.28r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.29r	B22020415-006G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.30r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.31r	B22020415-011G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.32r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.33r	B22020415-016D ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.34r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
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G:\Org\PE1\DAT\PE1020922_b\0209PE1.36r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.37r	B22020415-022G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.38r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.39r	B22020415-027G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0
G:\Org\PE1\DAT\PE1020922_b\0209PE1.40r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0
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G:\Org\PE1\DAT\PE1020922_b\0209PE1.42r	CCV_0209PE142r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0
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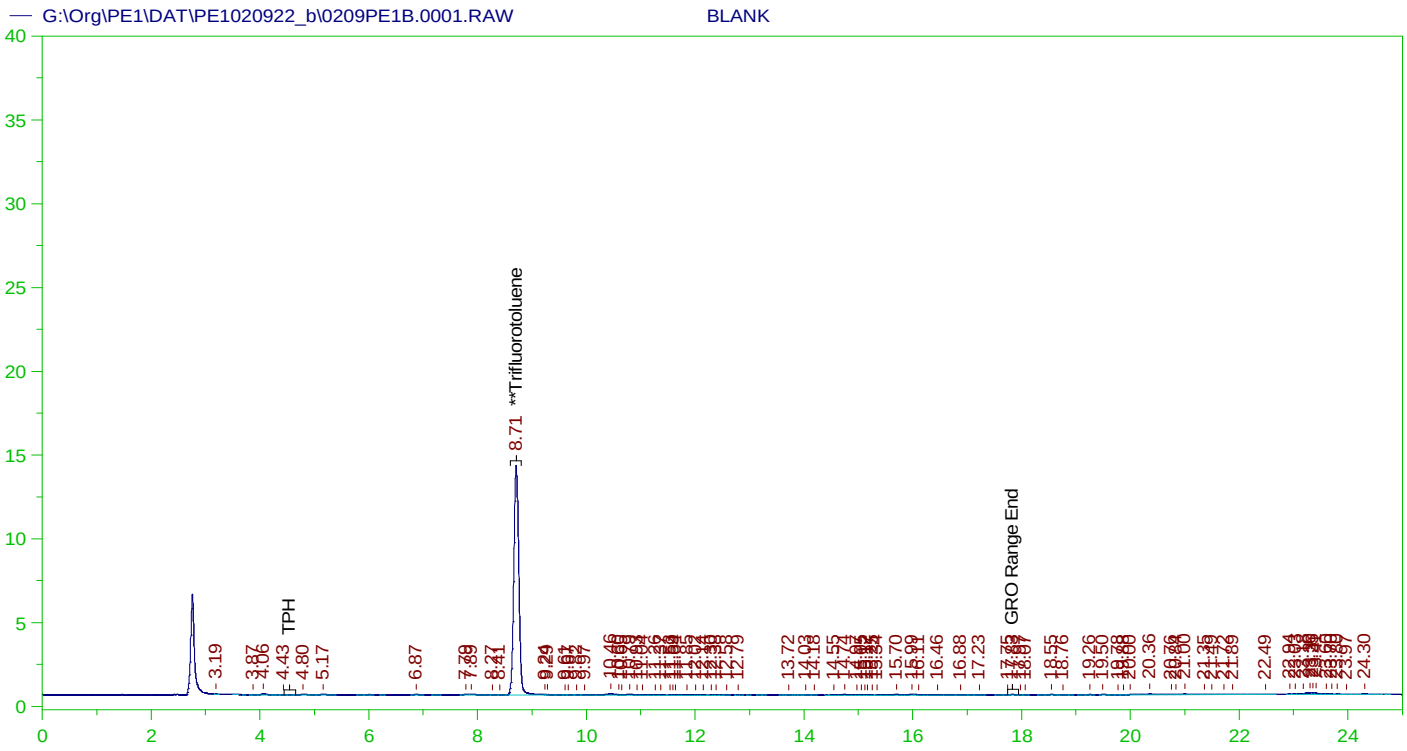


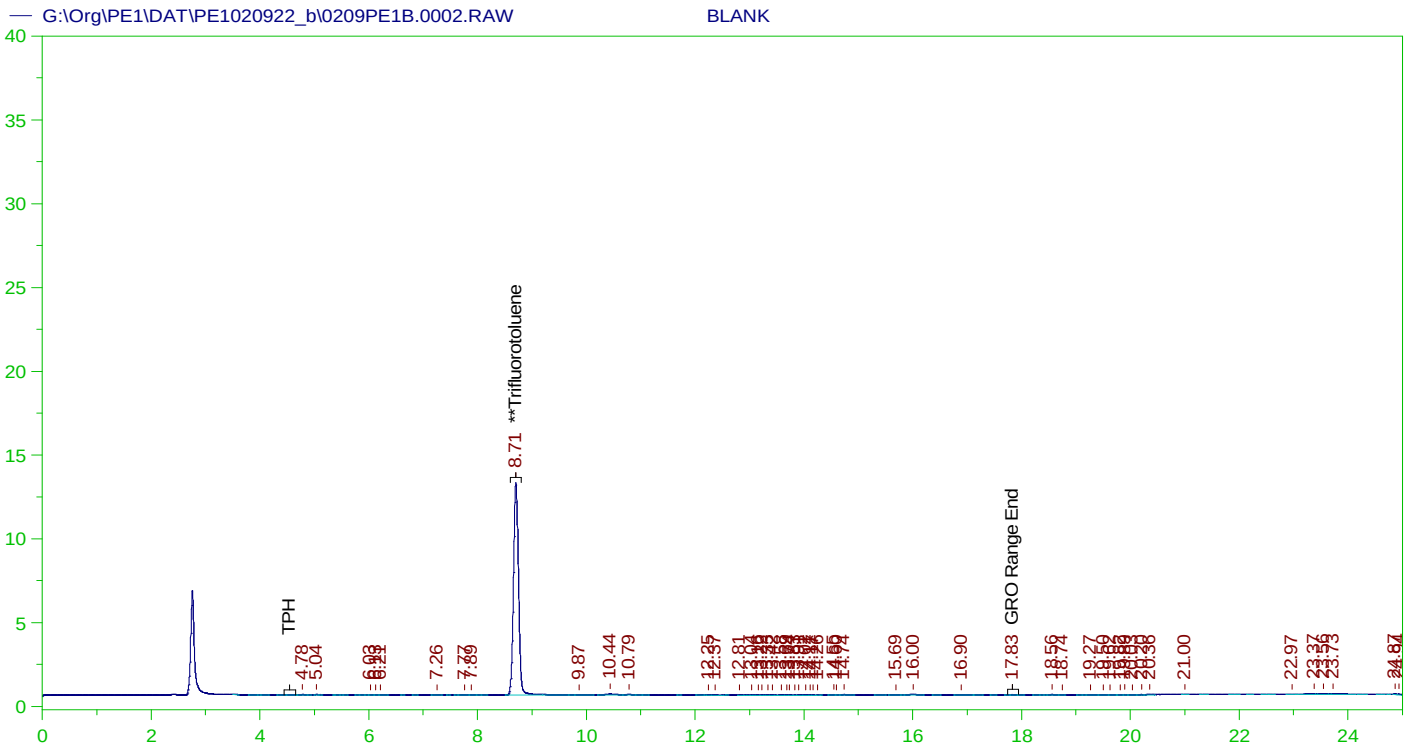
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0001.RAW
Date & Time Acquired: 2/9/2022 7:37:09 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.712	125.	105.593	84.47	-

C6 to C10 Area:10699.68 C6 to C10 Amount: 13.87664
TPH Area:16253.07 TPH Amount: 22.4958



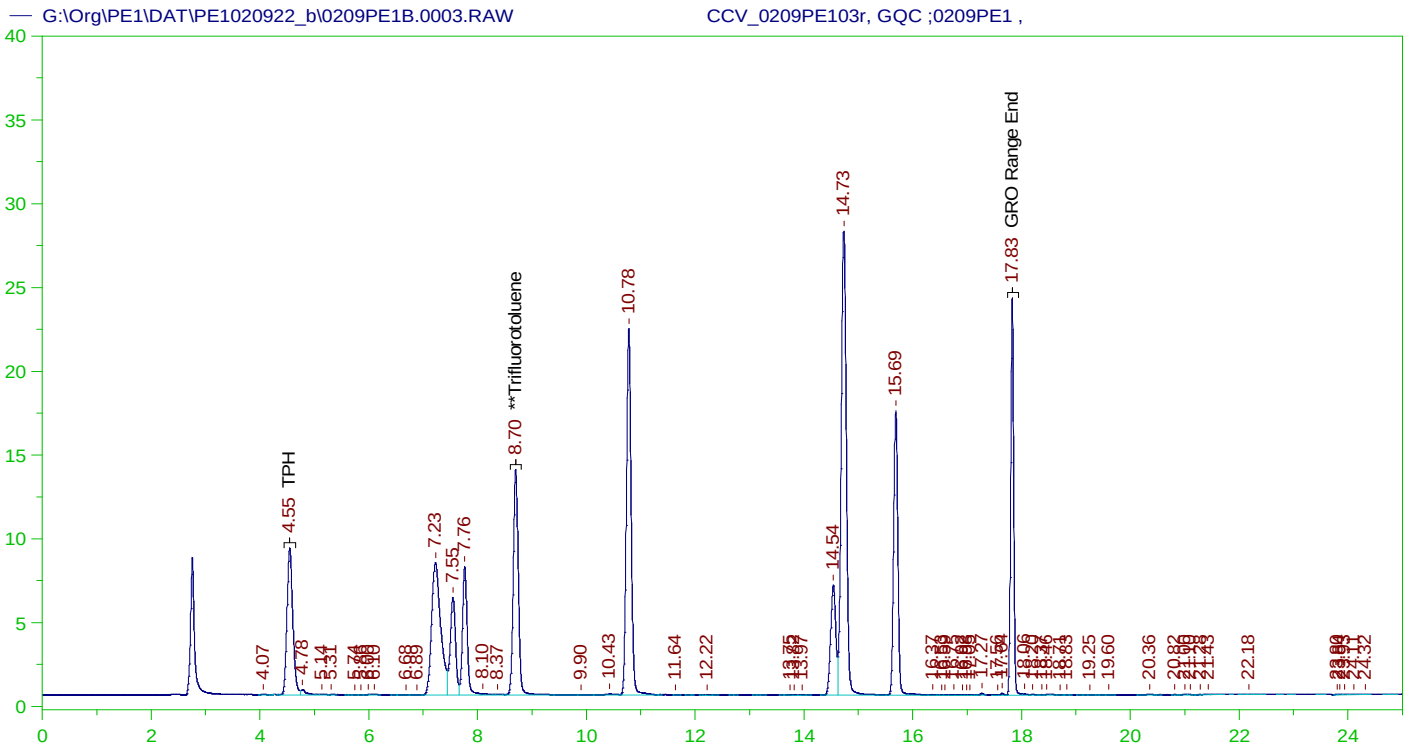
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0002.RAW
Date & Time Acquired: 2/9/2022 8:11:19 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.706	125.	97.659	78.13	-

C6 to C10 Area:5422.361 C6 to C10 Amount: 7.032371
TPH Area:9039.005 TPH Amount: 12.51085



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209PE103r, GQC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0003.RAW
Date & Time Acquired: 2/9/2022 8:45:35 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.702	125.	104.586	83.67	-

C6 to C10 Area:797005.6 C6 to C10 Amount: 1033.653
TPH Area:800326.8 TPH Amount: 1107.729

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0003.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	1033.65	123.05	85-115
TPH	1000.	1107.73	110.77	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.702	125.	104.586	83.67	85-115

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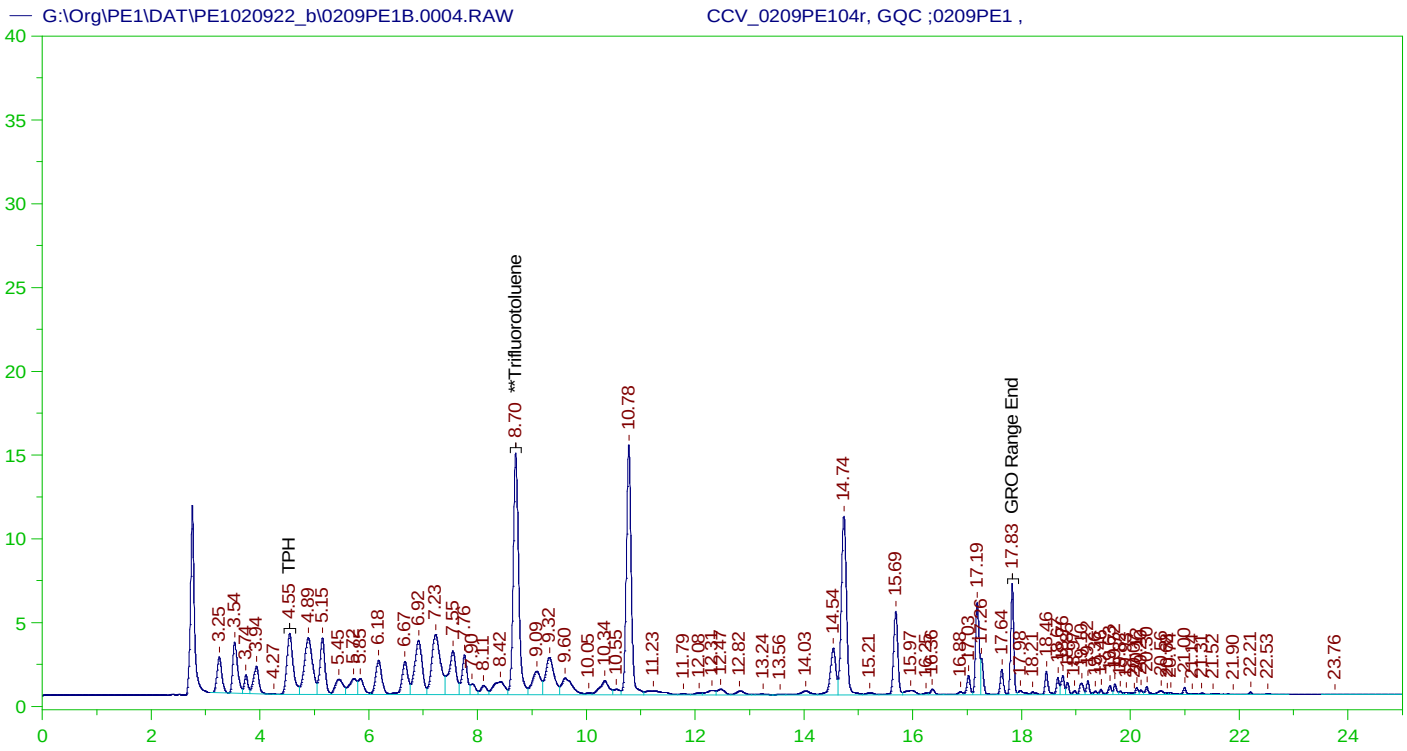


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209PE104r, GQC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0004.RAW
Date & Time Acquired: 2/9/2022 9:19:47 AM
Method File: G:\Org\PE1\Methods\220203GCCV0209_04DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

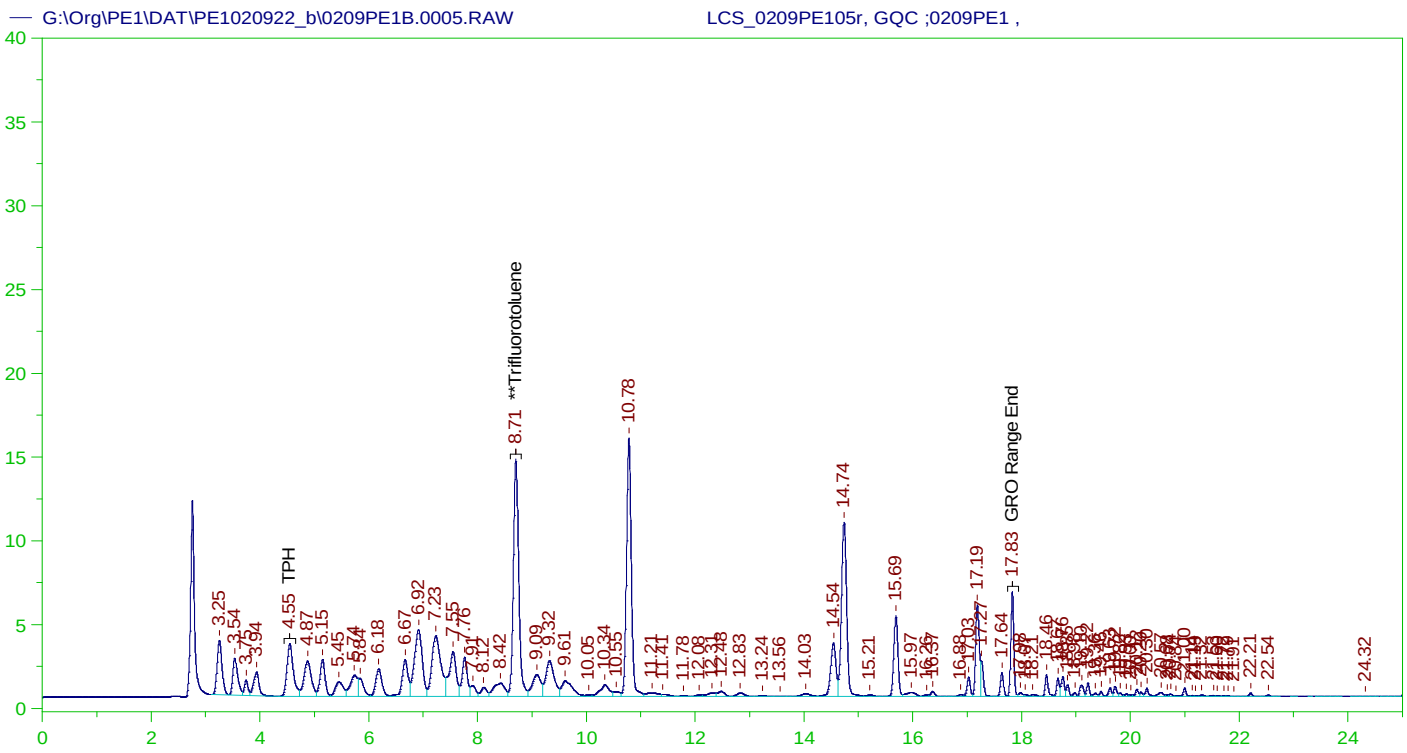
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	125.	119.821	95.86	-

C6 to C10 Area:651097.3 C6 to C10 Amount: 844.4213
TPH Area:747511.8 TPH Amount: 1034.628

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0004.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	844.42	100.53	85-115
TPH	1000.	1034.63	103.46	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.703	125.	119.821	95.86	85-115

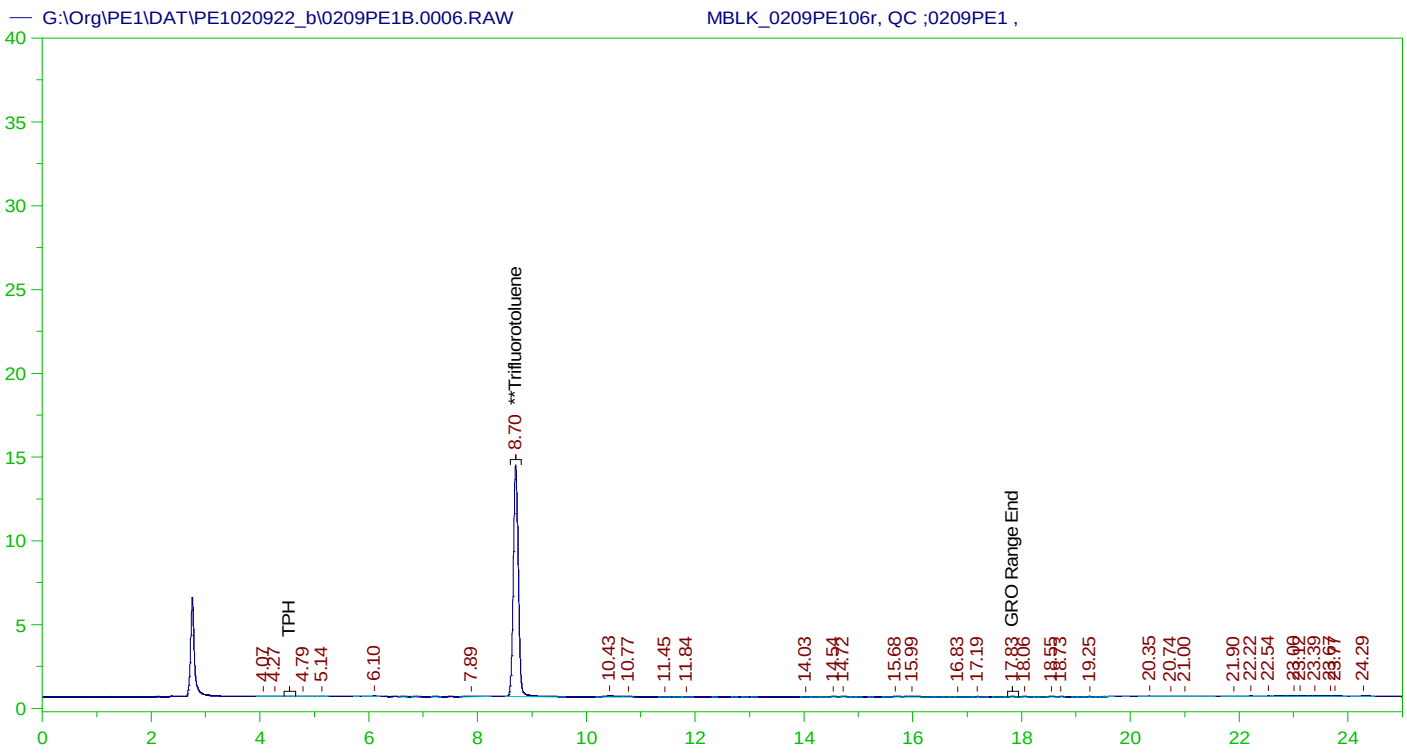


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: LCS_0209PE105r, GQC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0005.RAW
Date & Time Acquired: 2/9/2022 9:54:03 AM
Method File: G:\Org\PE1\Methods\220203GLCS0209_05DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.706	25.	23.302	93.21	-

C6 to C10 Area:629053.1 C6 to C10 Amount: 163.1664
TPH Area:725469.6 TPH Amount: 200.8238



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: MBLK_0209PE106r, QC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0006.RAW
Date & Time Acquired: 2/9/2022 10:28:19 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

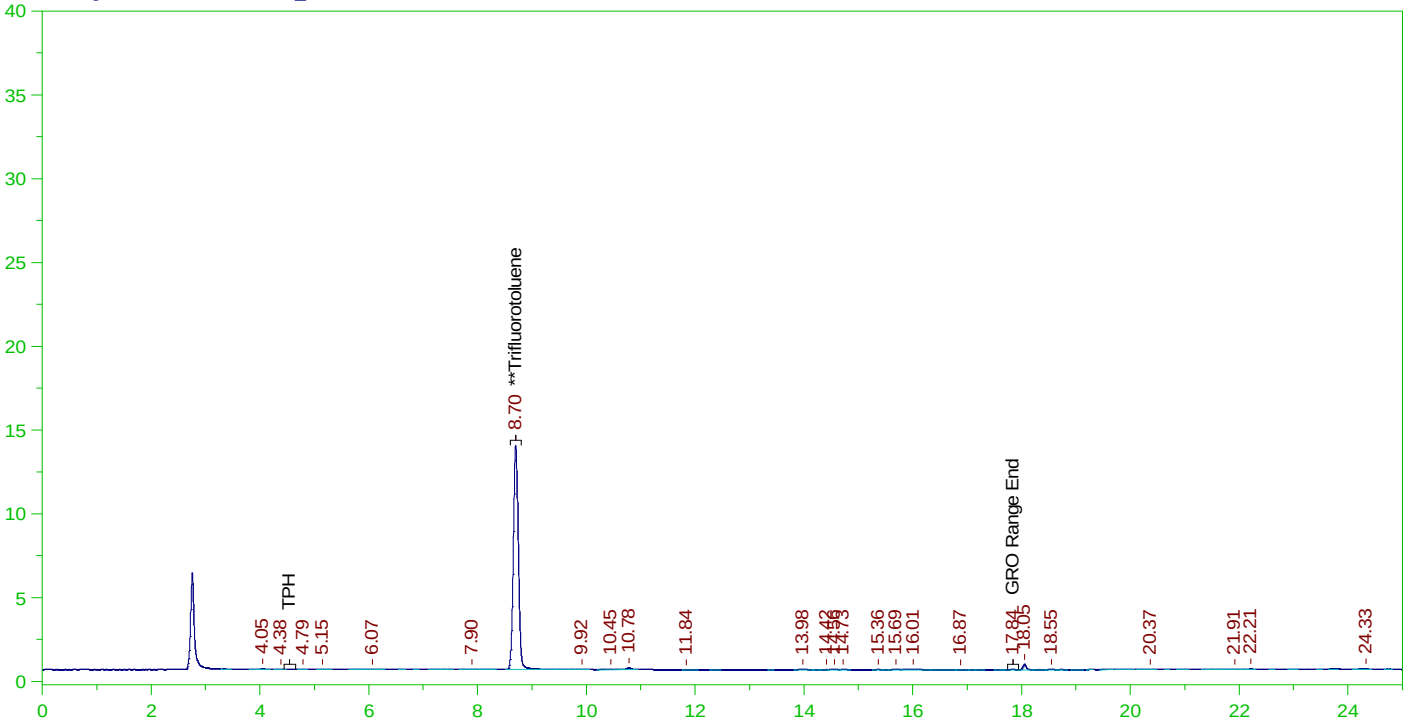
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	25.	21.336	85.34	-

C6 to C10 Area:3681.23 C6 to C10 Amount: 0.9548524
TPH Area:5925.522 TPH Amount: 1.640298

ERH2518 (Trip Blanks)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0007.RAW B22020415-034A ;0209PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-034A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0007.RAW
Date & Time Acquired: 2/9/2022 11:02:36 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

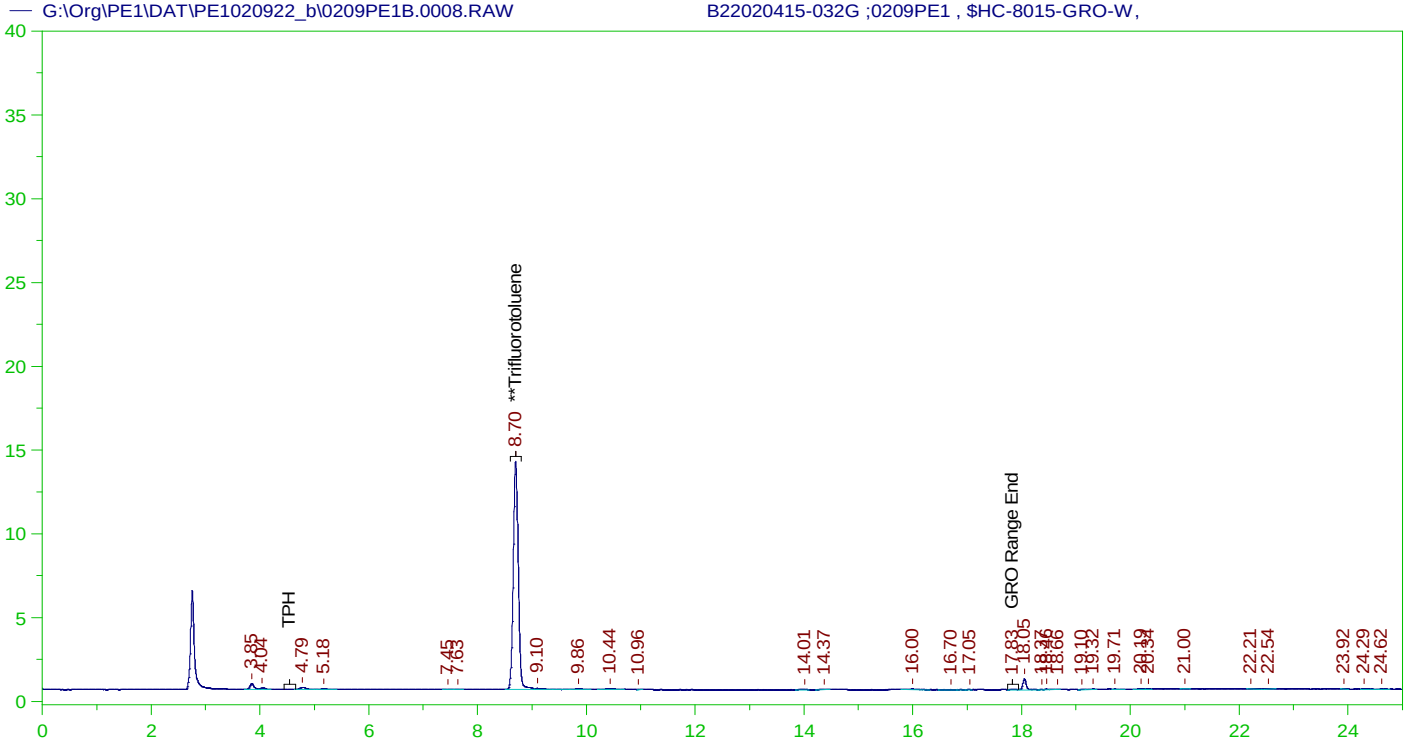
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	25.	20.652	82.61	-

C6 to C10 Area:3146.417 C6 to C10 Amount: 0.8161306
TPH Area:5910.205 TPH Amount: 1.636057

ERH2519 (RHMW2254-01 Low Flow)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0008.RAW B22020415-032G ;0209PE1 , $HC-8015-GRO-W,



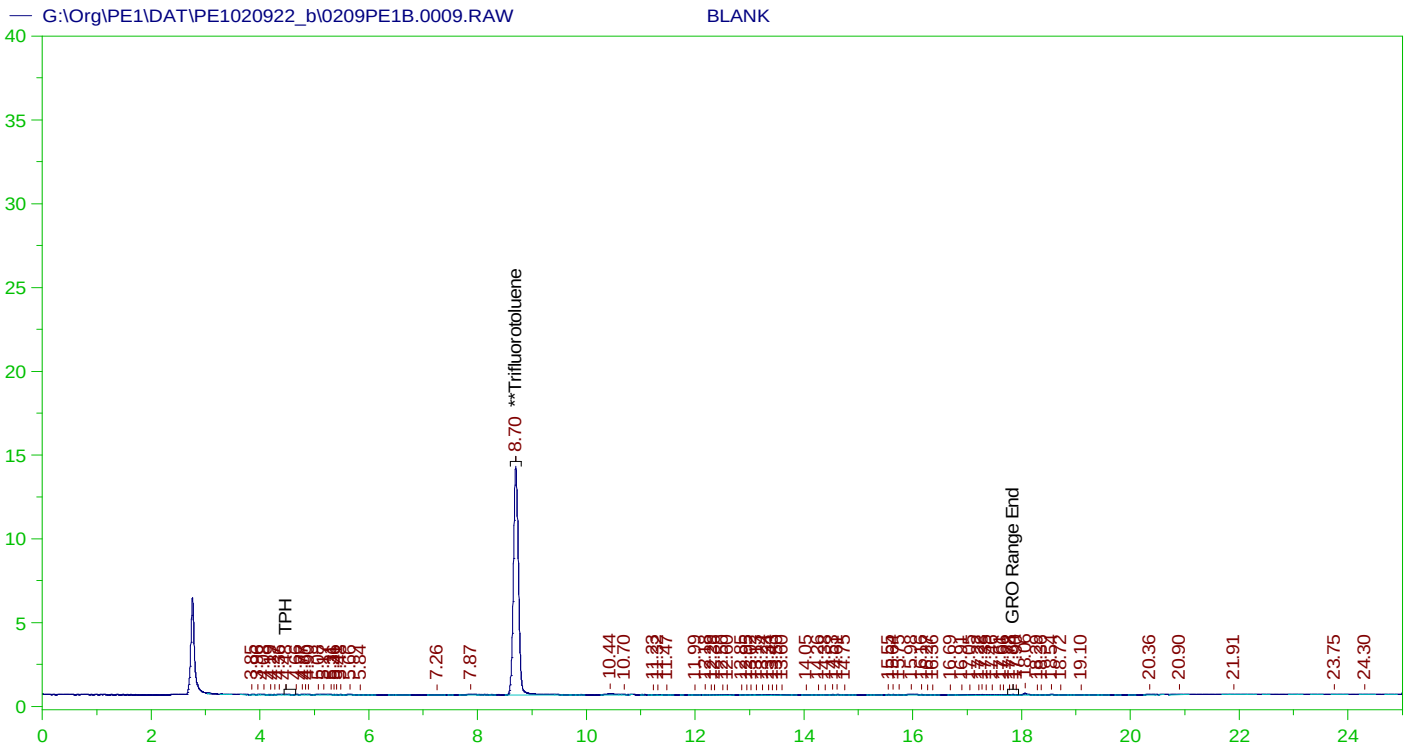
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-032G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0008.RAW
Date & Time Acquired: 2/9/2022 11:36:58 AM
Method File: G:\Org\PE1\Methods\220203G415-32DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.702	25.	20.955	83.82	-

C6 to C10 Area:5039.947 C6 to C10 Amount: 1.307282
TPH Area:12426.37 TPH Amount: 3.439857



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

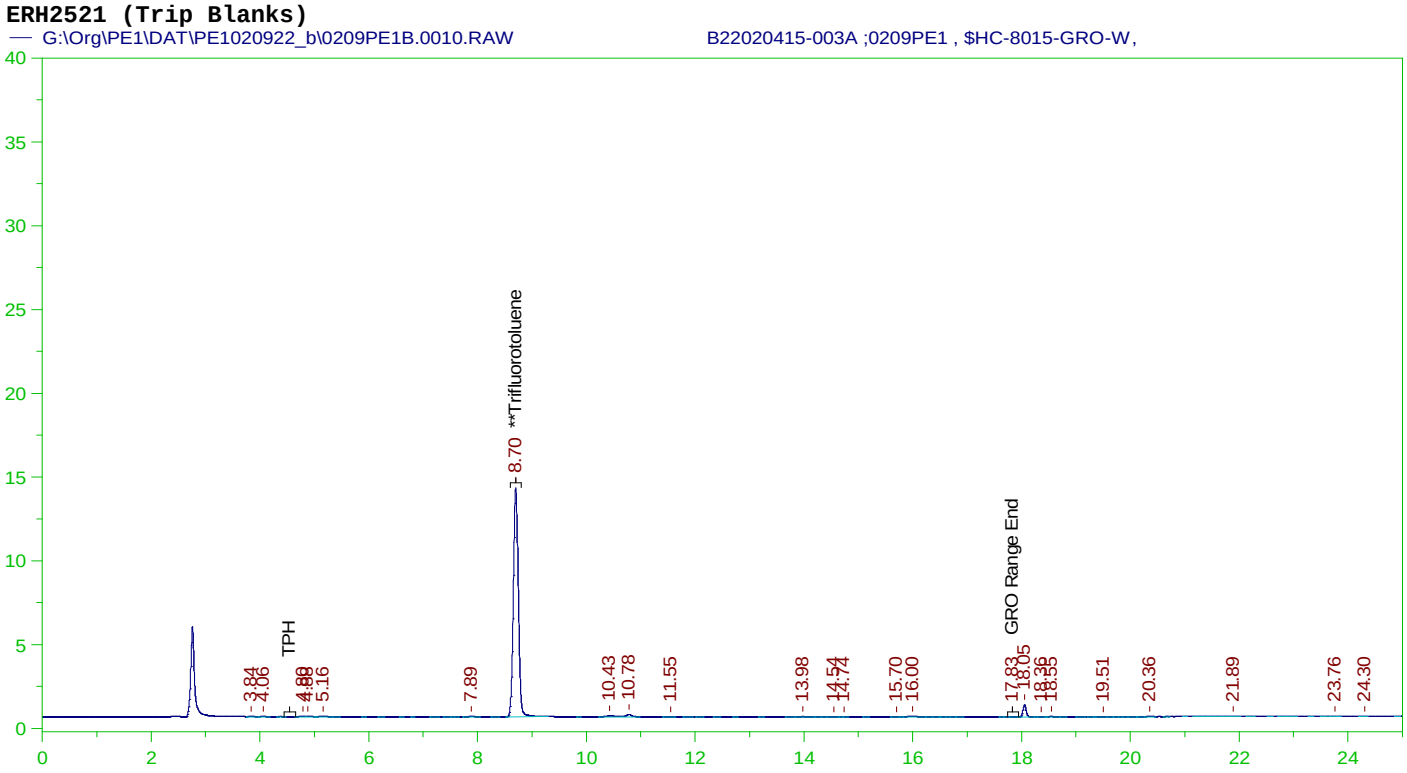
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0009.RAW
Date & Time Acquired: 2/9/2022 12:11:20 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.705	125.	105.251	84.2	-

C6 to C10 Area:8377.396 C6 to C10 Amount: 10.86482
TPH Area:11286.64 TPH Amount: 15.62179

ERH2521 (Trip Blanks)



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-003A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0010.RAW
Date & Time Acquired: 2/9/2022 12:45:46 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

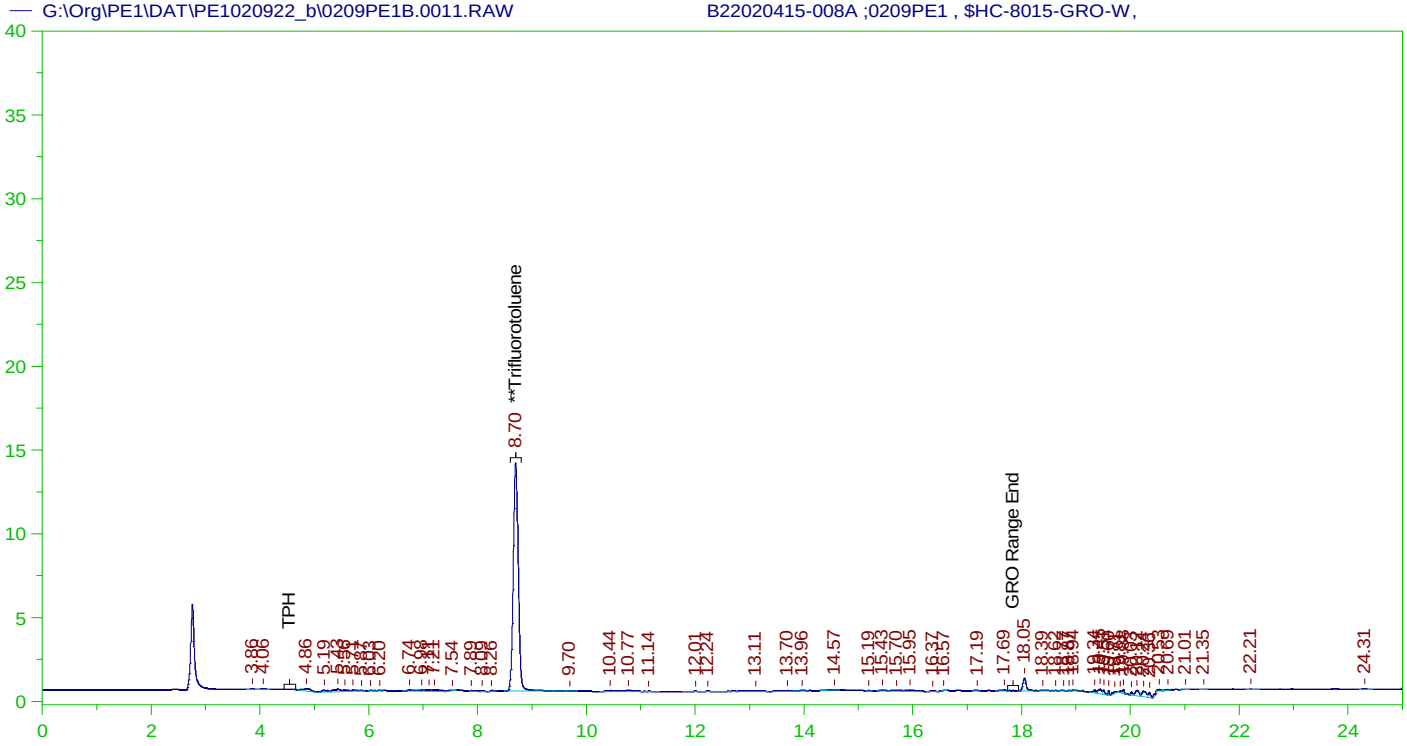
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	25.	20.948	83.79	-

C6 to C10 Area:4316.05 C6 to C10 Amount: 1.119515
TPH Area:8880.889 TPH Amount: 2.4584

ERH2513 (Trip Blanks)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0011.RAW B22020415-008A ;0209PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

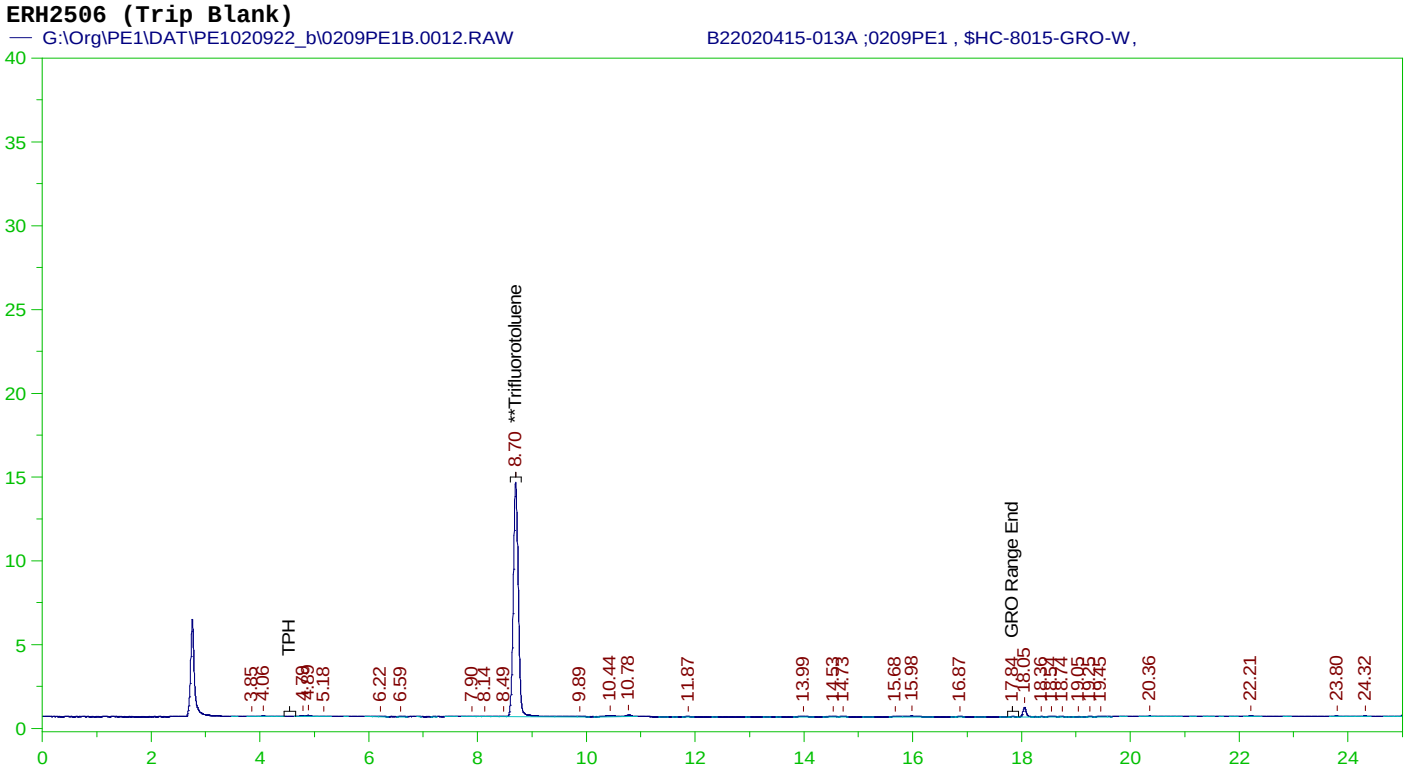
Sample Name: B22020415-008A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0011.RAW
Date & Time Acquired: 2/9/2022 1:20:02 PM
Method File: G:\Org\PE1\Methods\220203G415-8DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.702	25.	21.211	84.84	-

C6 to C10 Area:16449.08 C6 to C10 Amount: 4.266631
TPH Area:32819.07 TPH Amount: 9.084947

ERH2506 (Trip Blank)



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

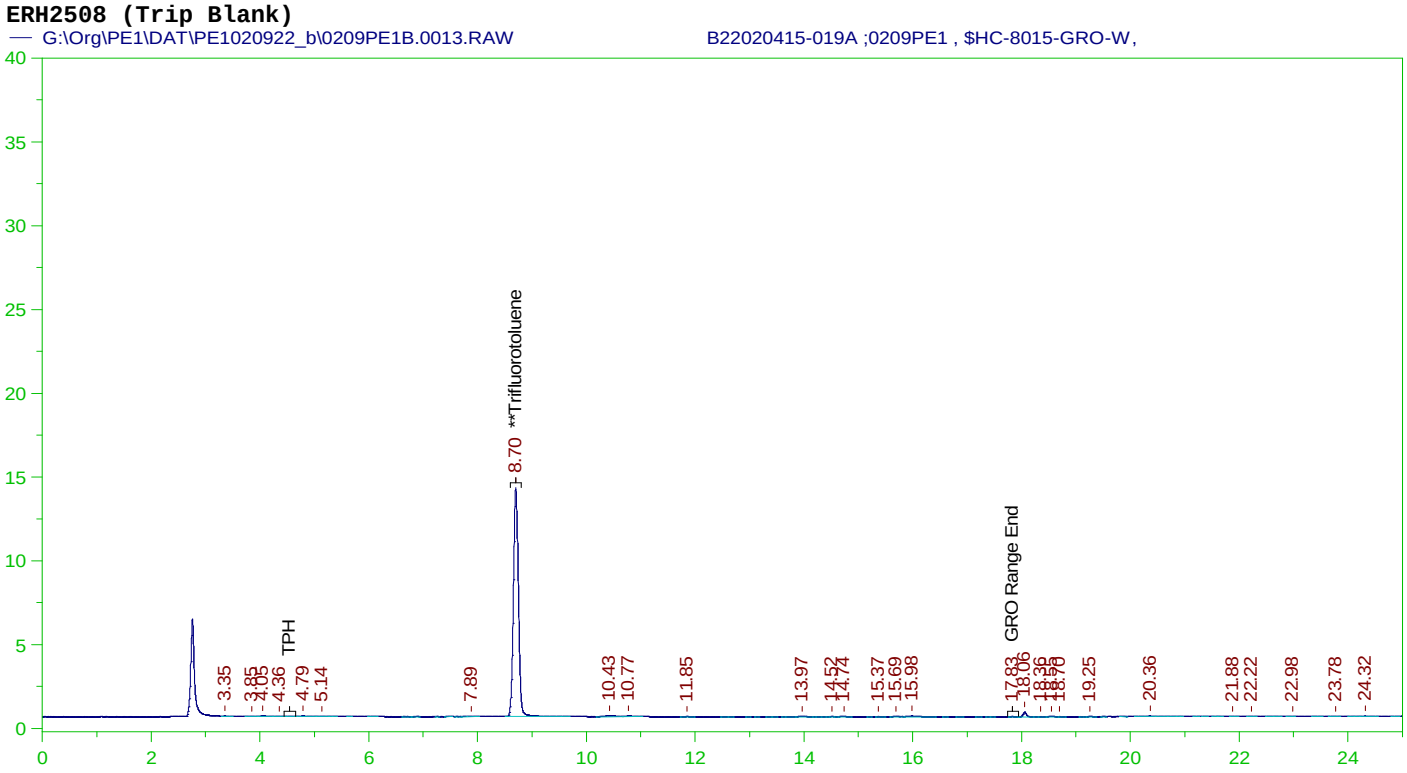
Sample Name: B22020415-013A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0012.RAW
Date & Time Acquired: 2/9/2022 1:54:17 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.702	25.	21.579	86.32	-

C6 to C10 Area:4917.448 C6 to C10 Amount: 1.275508
TPH Area:9333.75 TPH Amount: 2.58376

ERH2508 (Trip Blank)



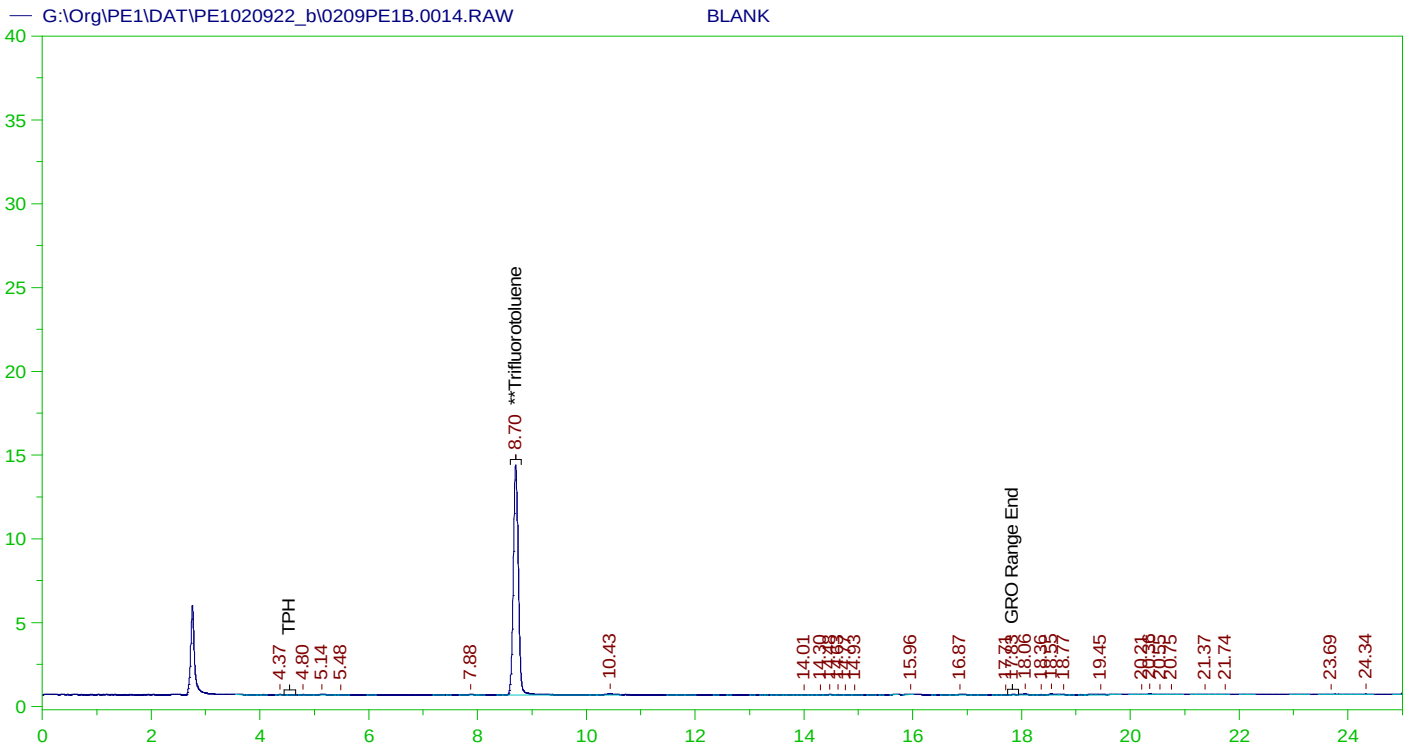
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-019A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0013.RAW
Date & Time Acquired: 2/9/2022 2:28:35 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.705	25.	20.937	83.75	-

C6 to C10 Area:3948.688 C6 to C10 Amount: 1.024227
TPH Area:7077.976 TPH Amount: 1.959319



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0014.RAW
Date & Time Acquired: 2/9/2022 3:02:52 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

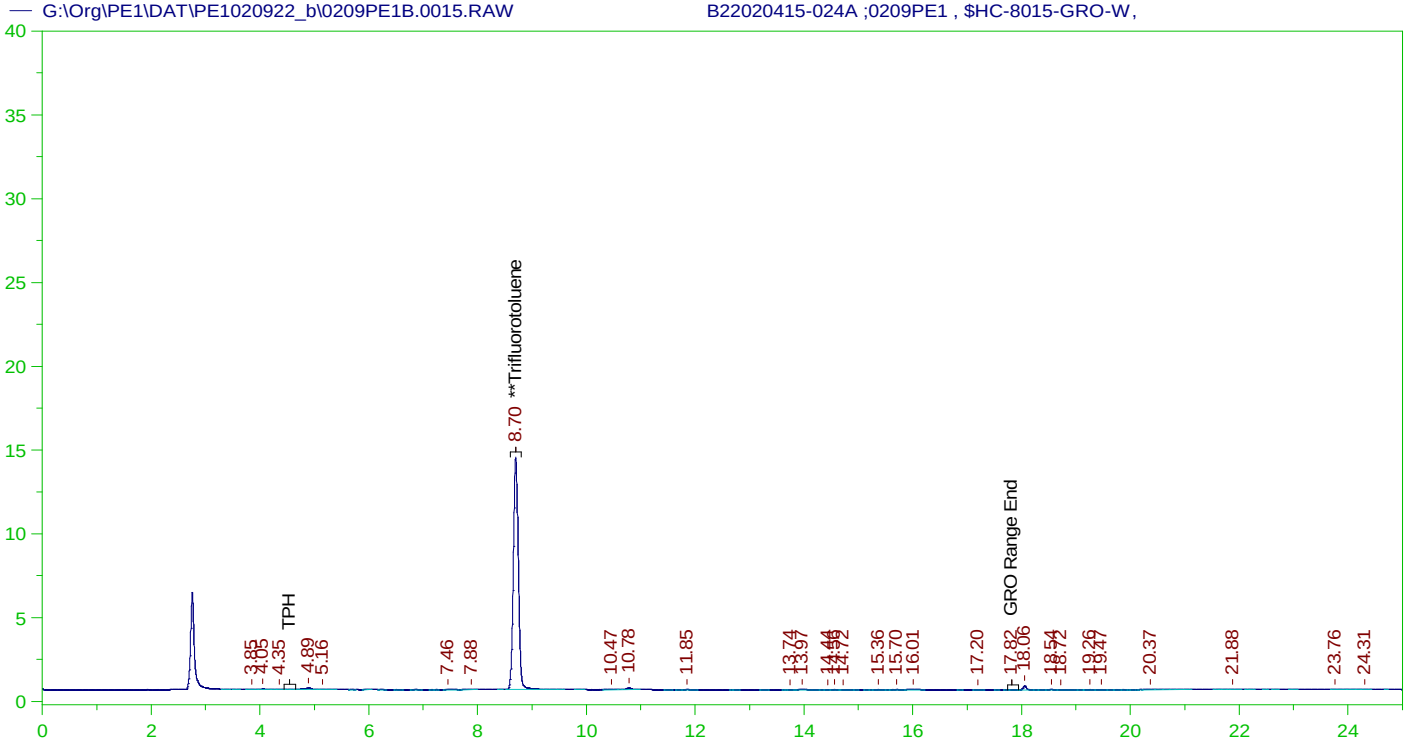
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	125.	105.969	84.77	-

C6 to C10 Area:3180.441 C6 to C10 Amount: 4.124779
TPH Area:5662.472 TPH Amount: 7.837401

ERH2511 (Trip Blank)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0015.RAW B22020415-024A ;0209PE1 , $HC-8015-GRO-W,



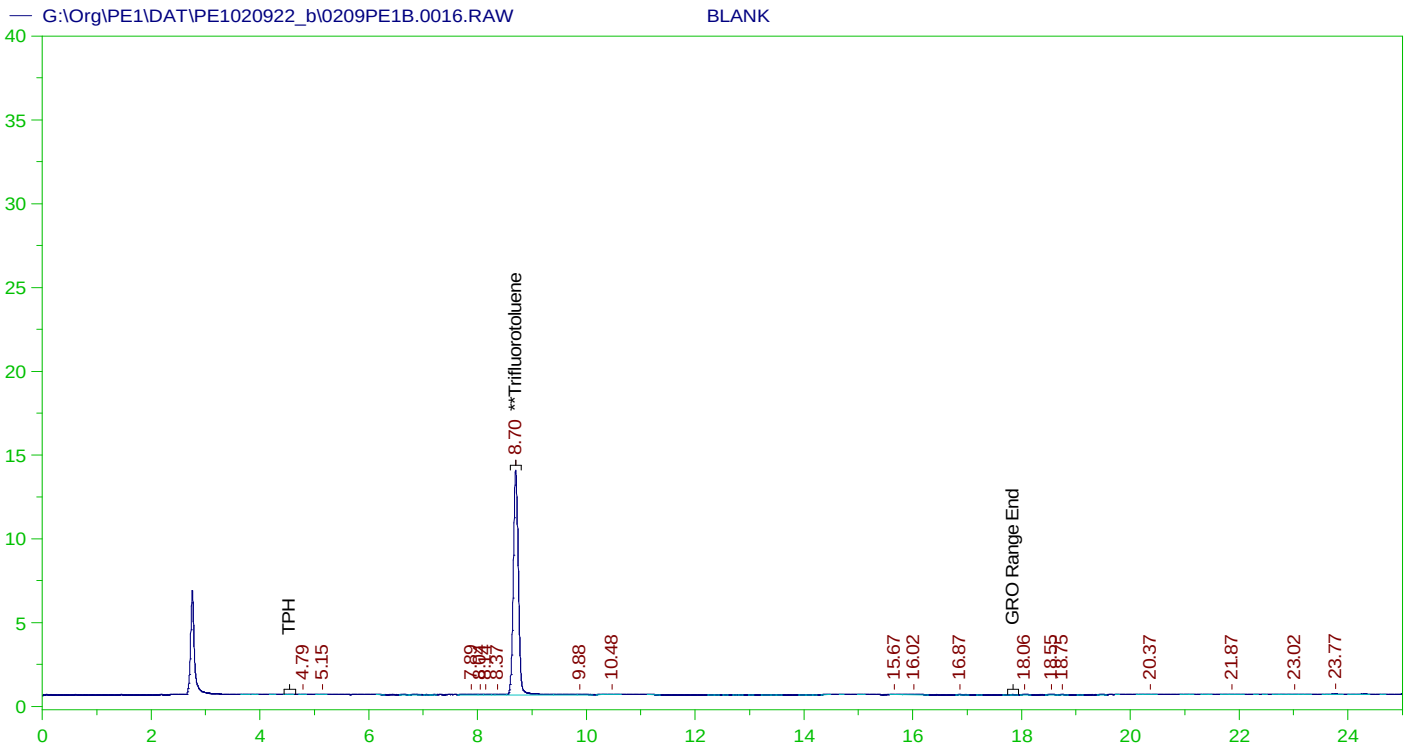
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-024A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0015.RAW
Date & Time Acquired: 2/9/2022 3:37:09 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.704	25.	21.359	85.43	-

C6 to C10 Area:4314.865 C6 to C10 Amount: 1.119207
TPH Area:7349.804 TPH Amount: 2.034566



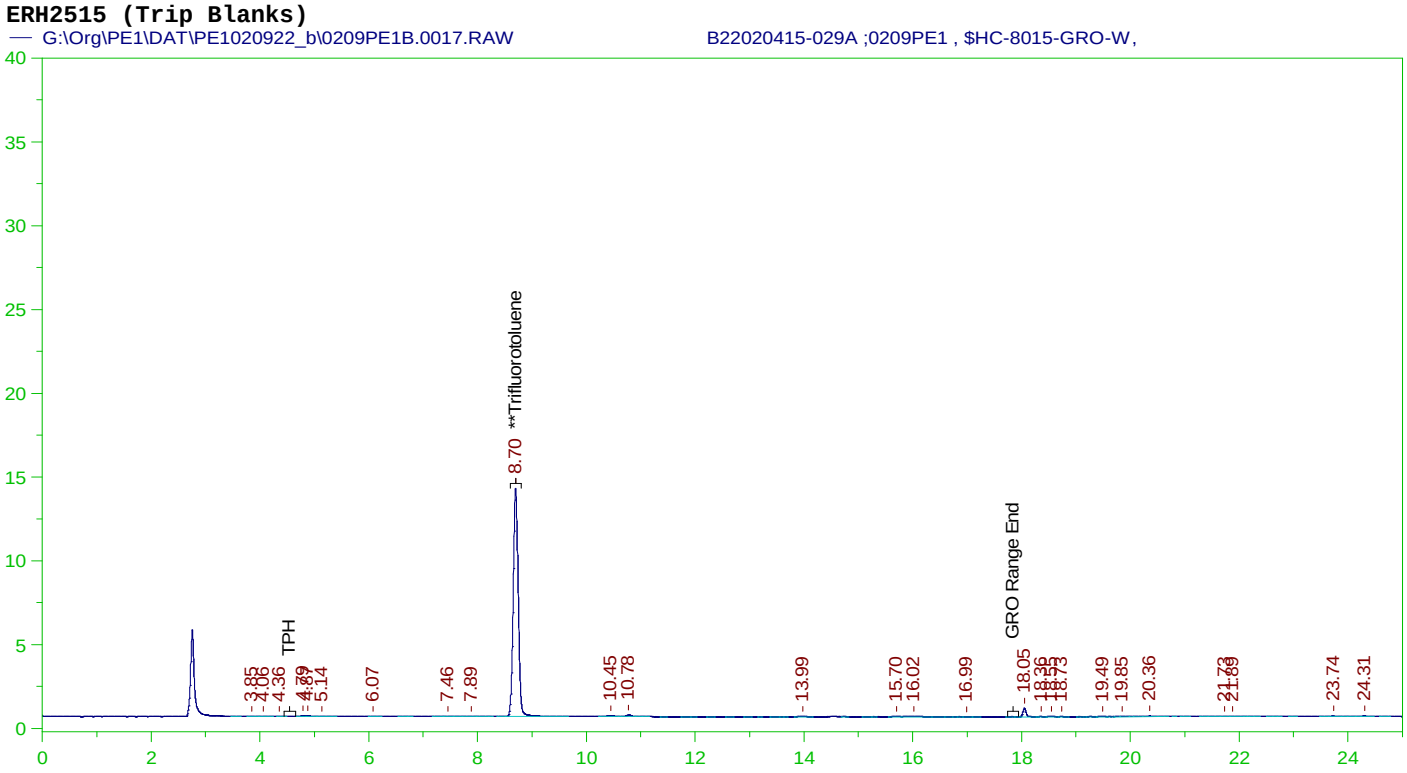
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0016.RAW
Date & Time Acquired: 2/9/2022 4:11:27 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	125.	103.71	82.97	-

C6 to C10 Area:2117.621 C6 to C10 Amount: 2.746387
TPH Area:3371.643 TPH Amount: 4.666676

ERH2515 (Trip Blanks)



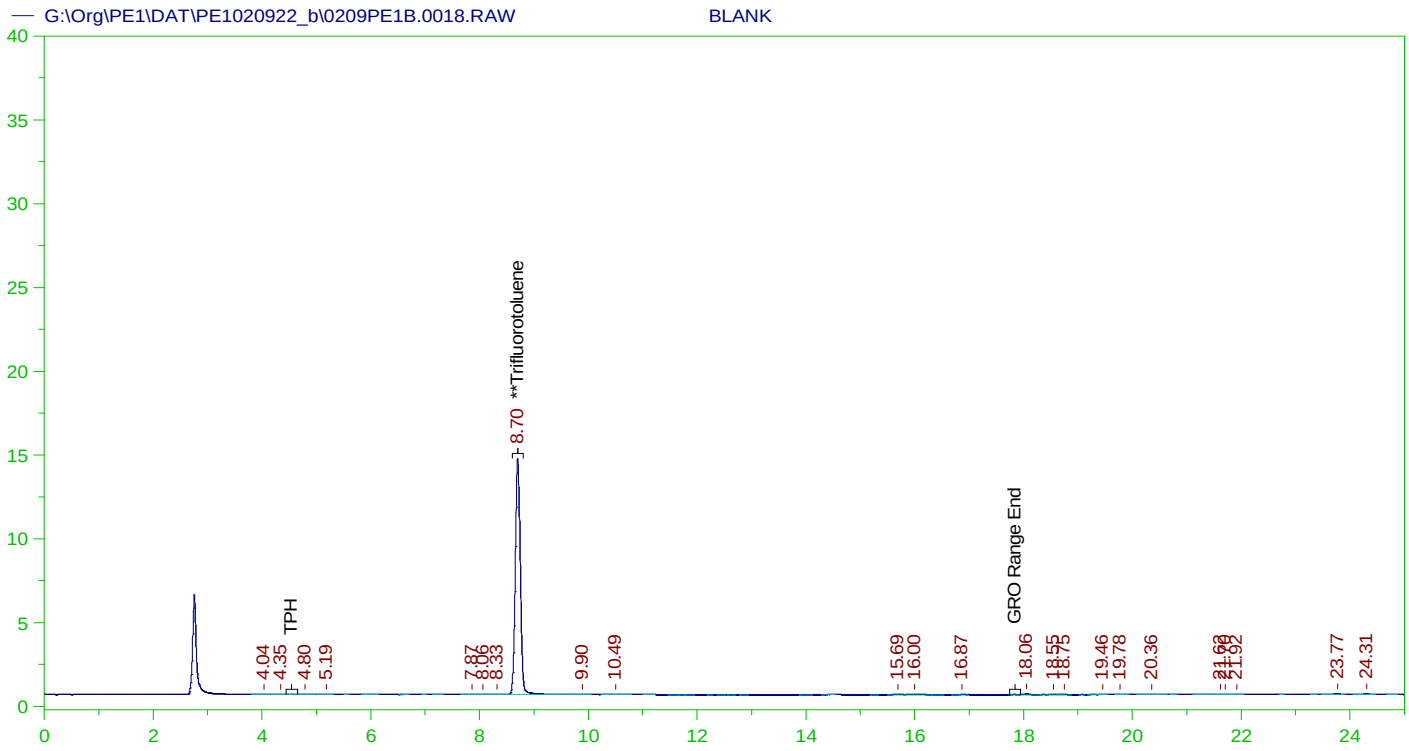
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-029A ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0017.RAW
Date & Time Acquired: 2/9/2022 4:45:46 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.701	25.	20.955	83.82	-

C6 to C10 Area:3720.895 C6 to C10 Amount: 0.9651409
TPH Area:7684.969 TPH Amount: 2.127346

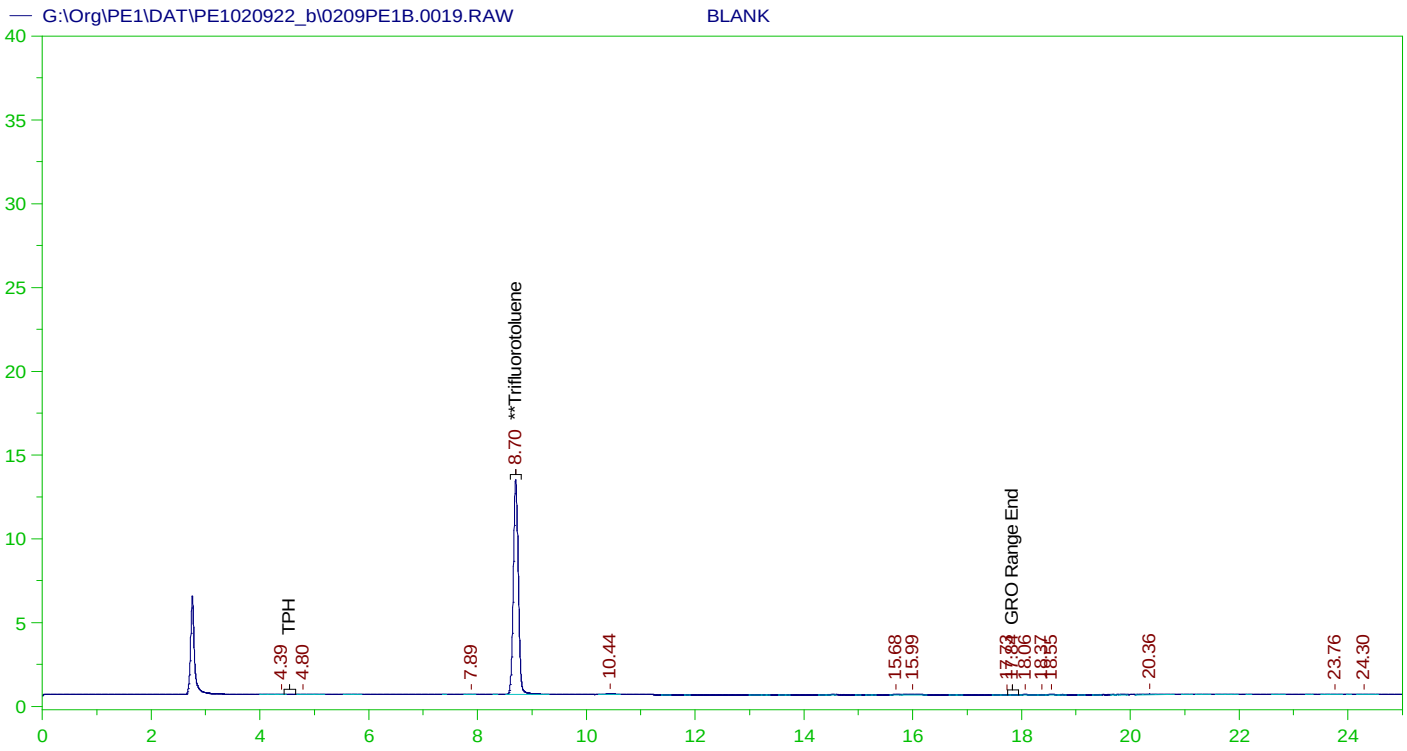


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0018.RAW
Date & Time Acquired: 2/9/2022 5:20:06 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	125.	108.923	87.14	-

C6 to C10 Area:2409.933 C6 to C10 Amount: 3.125491
TPH Area:4252.137 TPH Amount: 5.885363



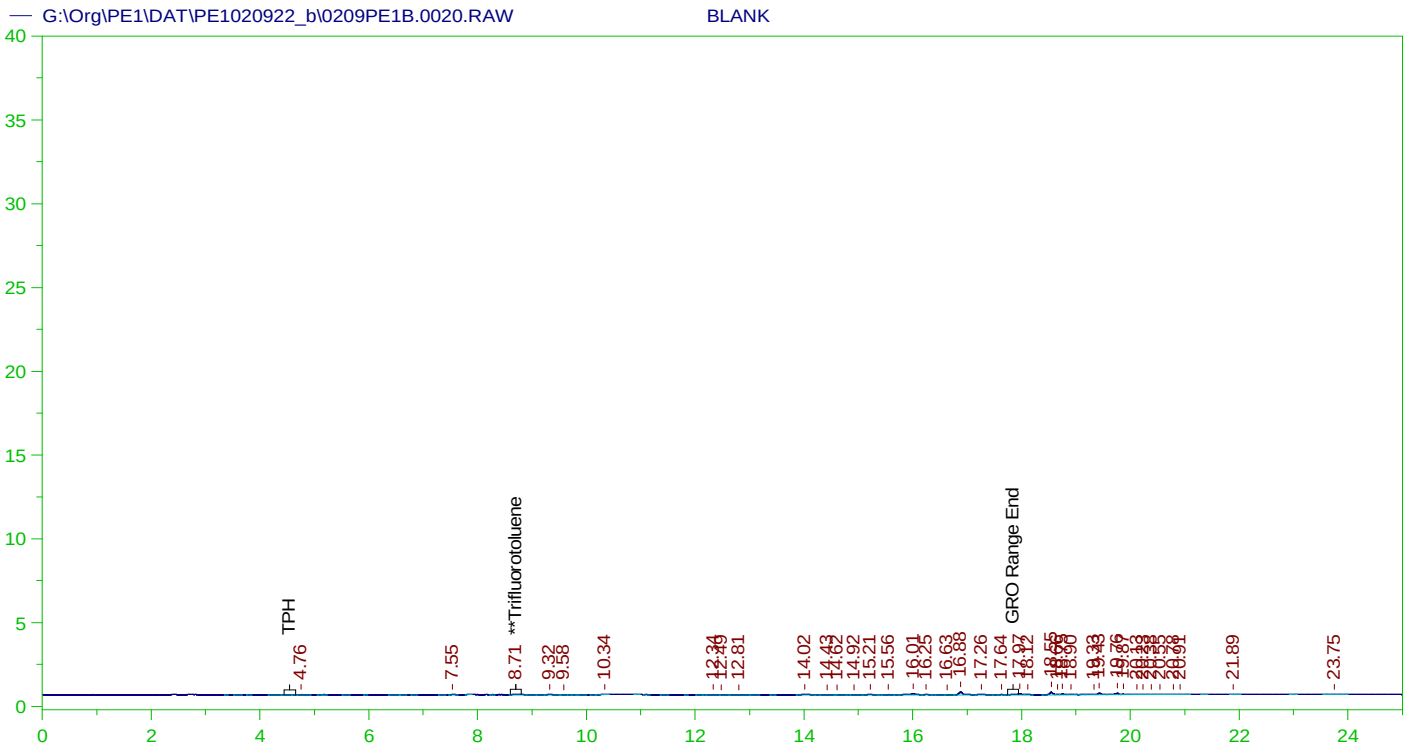
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0019.RAW
Date & Time Acquired: 2/9/2022 5:54:29 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	125.	98.484	78.79	-

C6 to C10 Area:1897.705 C6 to C10 Amount: 2.461172
TPH Area:3341.288 TPH Amount: 4.624662

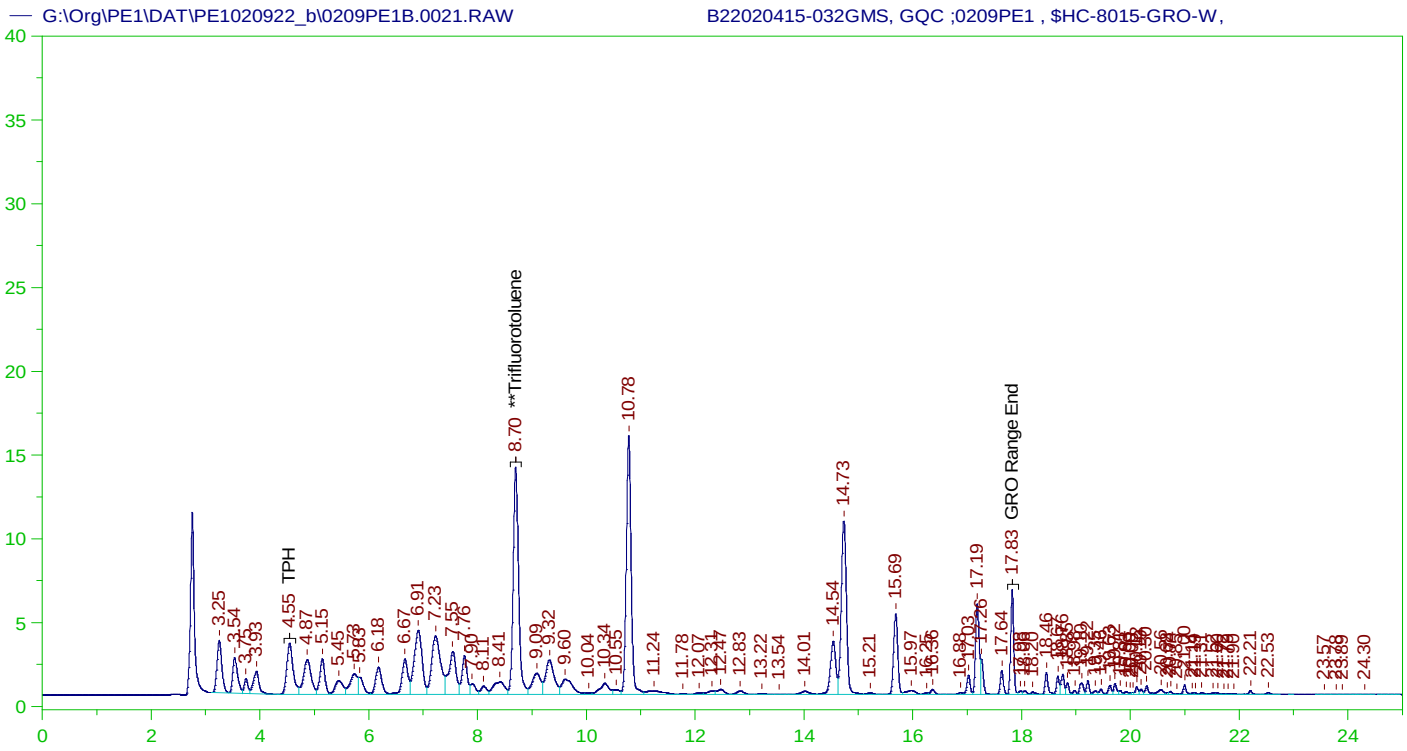


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0020.RAW
Date & Time Acquired: 2/9/2022 6:28:59 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.711	125.	.236	.19	-

C6 to C10 Area:5217.078 C6 to C10 Amount: 6.766135
TPH Area:10125.56 TPH Amount: 14.01474



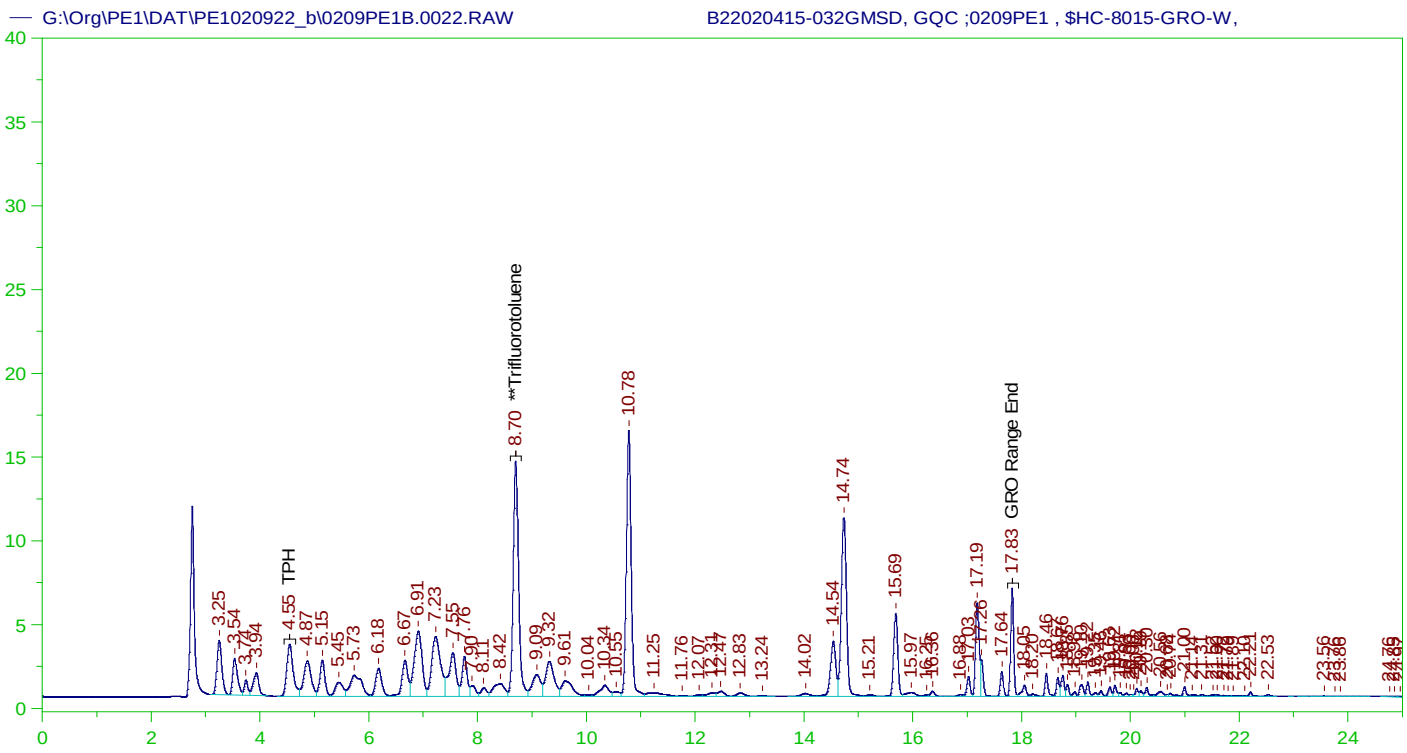
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-032GMS, GQC ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0021.RAW
Date & Time Acquired: 2/9/2022 7:03:15 PM
Method File: G:\Org\PE1\Methods\220203G415-32MSDoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.702	25.	22.369	89.48	-

C6 to C10 Area:620220.4 C6 to C10 Amount: 160.8753
TPH Area:718415.7 TPH Amount: 198.8712



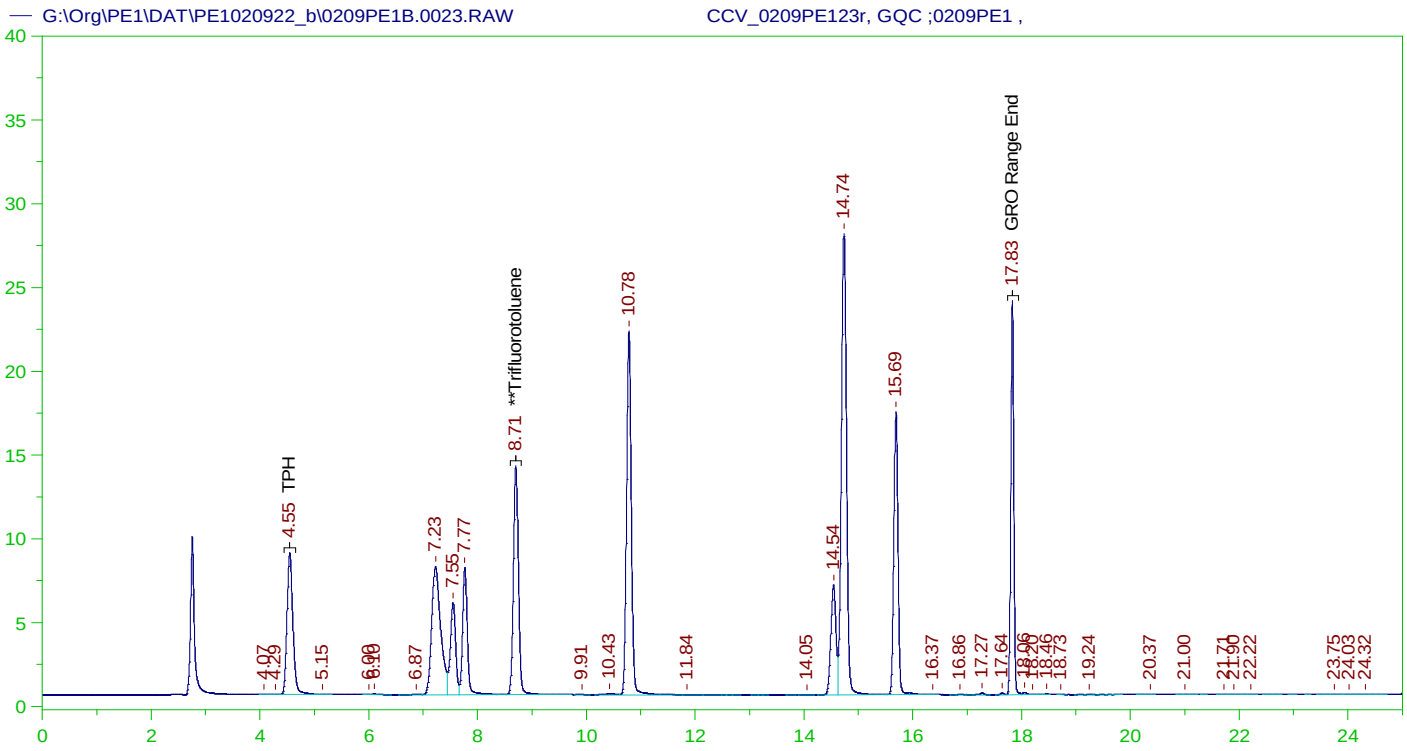
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-032GMSD, GQC ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0022.RAW
Date & Time Acquired: 2/9/2022 7:37:31 PM
Method File: G:\Org\PE1\Methods\220203G415-32MSDDoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	25.	23.164	92.66	-

C6 to C10 Area:633845.3 C6 to C10 Amount: 164.4094
TPH Area:736830.6 TPH Amount: 203.9688



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209PE123r, GQC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0023.RAW
Date & Time Acquired: 2/9/2022 8:11:45 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.705	125.	105.227	84.18	-

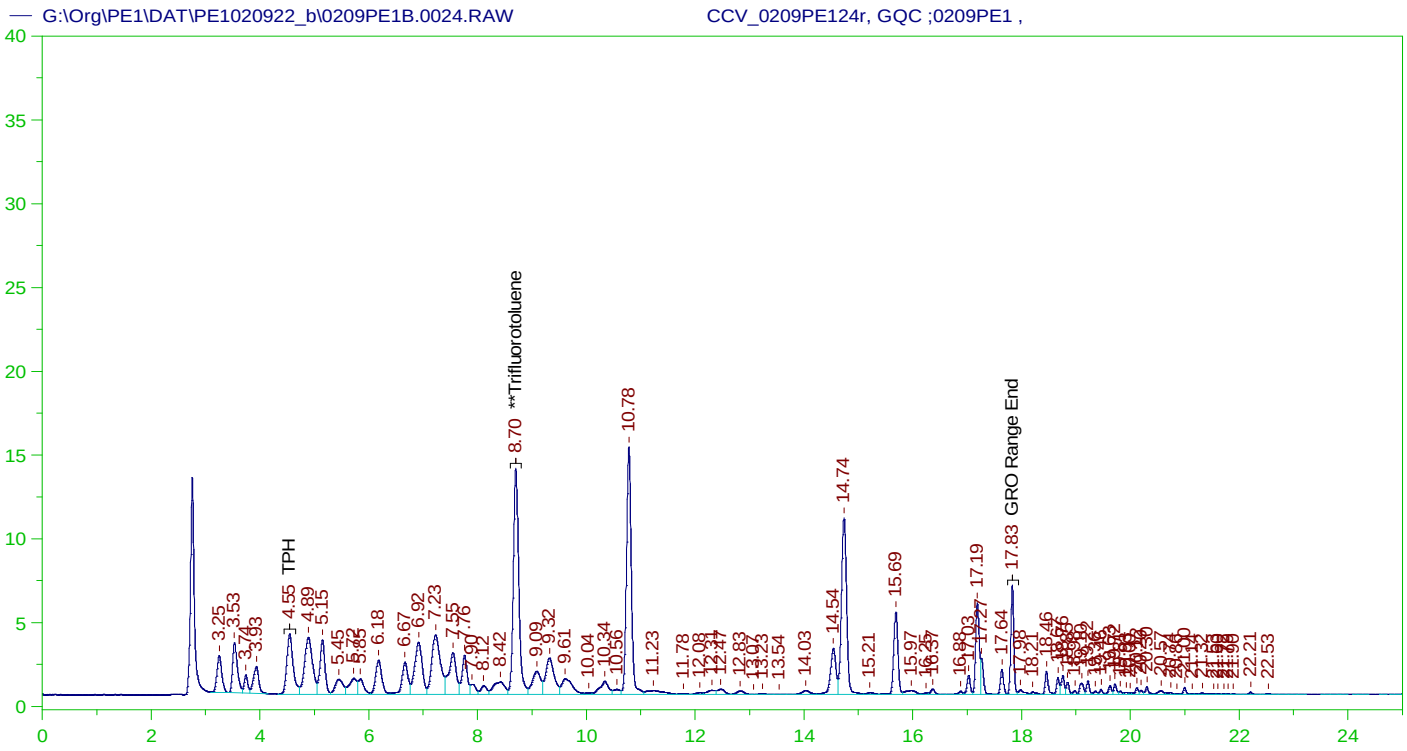
C6 to C10 Area:780871.6 C6 to C10 Amount: 1012.728
TPH Area:783080.5 TPH Amount: 1083.858

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0023.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	1012.73	120.56	85-115
TPH	1000.	1083.86	108.39	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.705	125.	105.227	84.18	85-115

G:\org\PE1\dat\PE1020922_b\Review\023_CCV_0209PE123r_220203GRO_DoDB%.xls



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209PE124r, GQC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0024.RAW
Date & Time Acquired: 2/9/2022 8:45:57 PM
Method File: G:\Org\PE1\Methods\220203GCCV0209_24DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

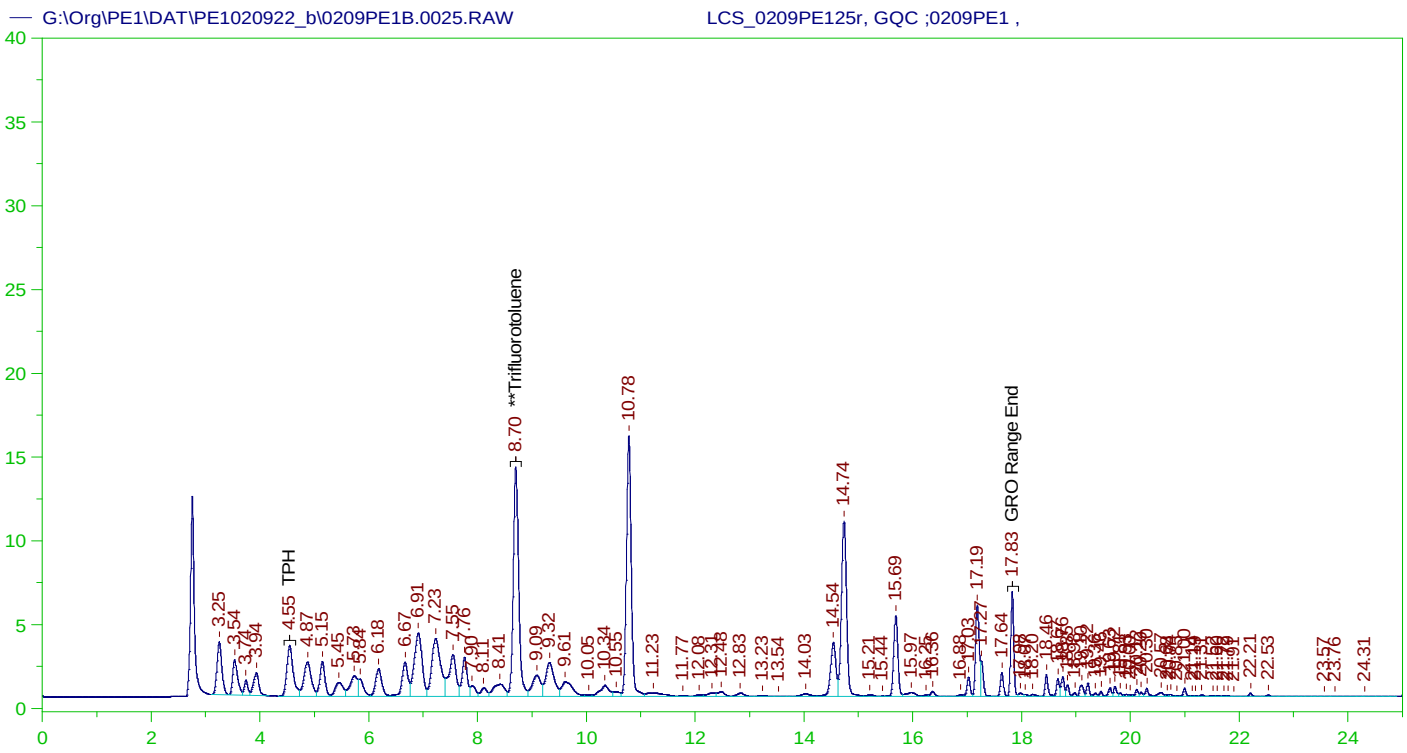
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.705	125.	112.42	89.94	-

C6 to C10 Area:637680.6 C6 to C10 Amount: 827.0211
TPH Area:732776.9 TPH Amount: 1014.233

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0024.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	827.02	98.45	85-115
TPH	1000.	1014.23	101.42	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.705	125.	112.42	89.94	85-115

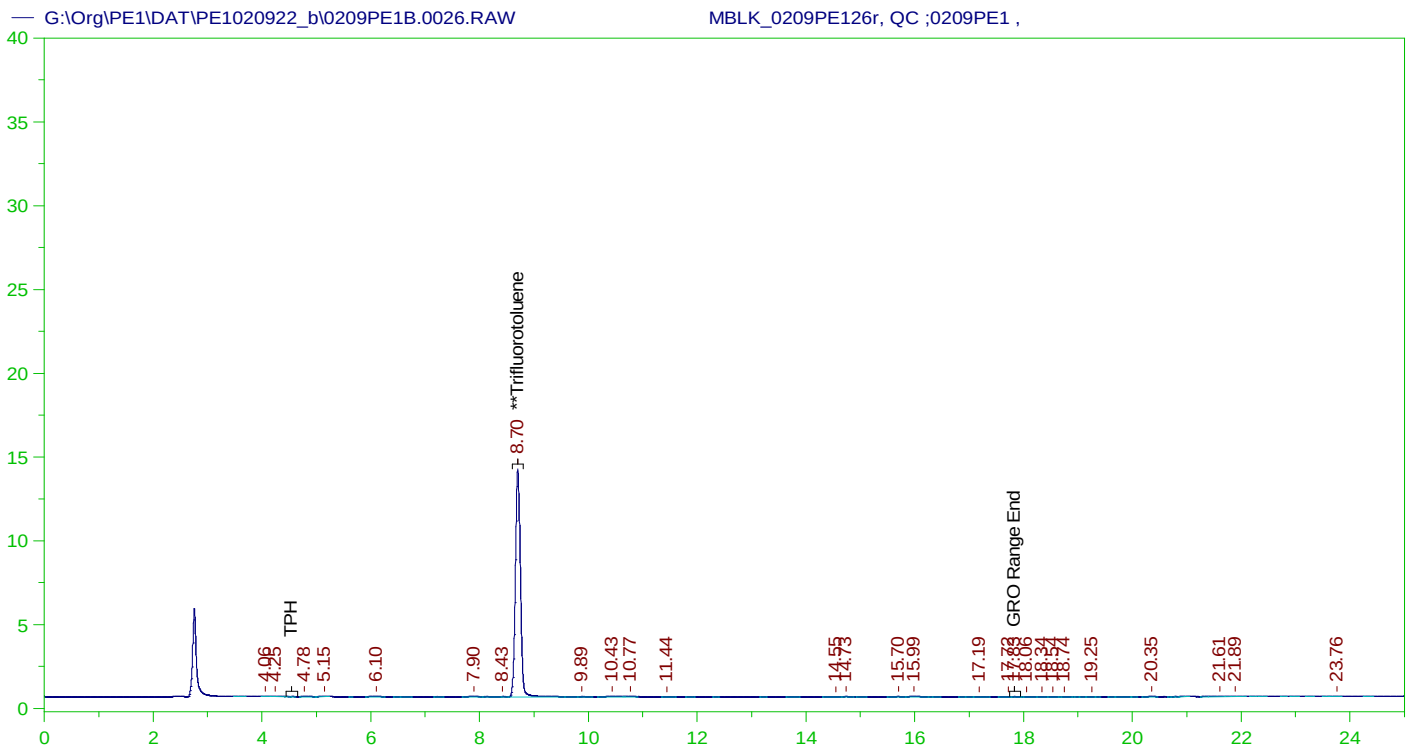


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: LCS_0209PE125r, GQC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0025.RAW
Date & Time Acquired: 2/9/2022 9:20:11 PM
Method File: G:\Org\PE1\Methods\220203GLCS0209_25DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.704	25.	22.609	90.44	-

C6 to C10 Area:614159.6 C6 to C10 Amount: 159.3032
TPH Area:707840.9 TPH Amount: 195.9439



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: MBLK_0209PE126r, QC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0026.RAW
Date & Time Acquired: 2/9/2022 9:54:25 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

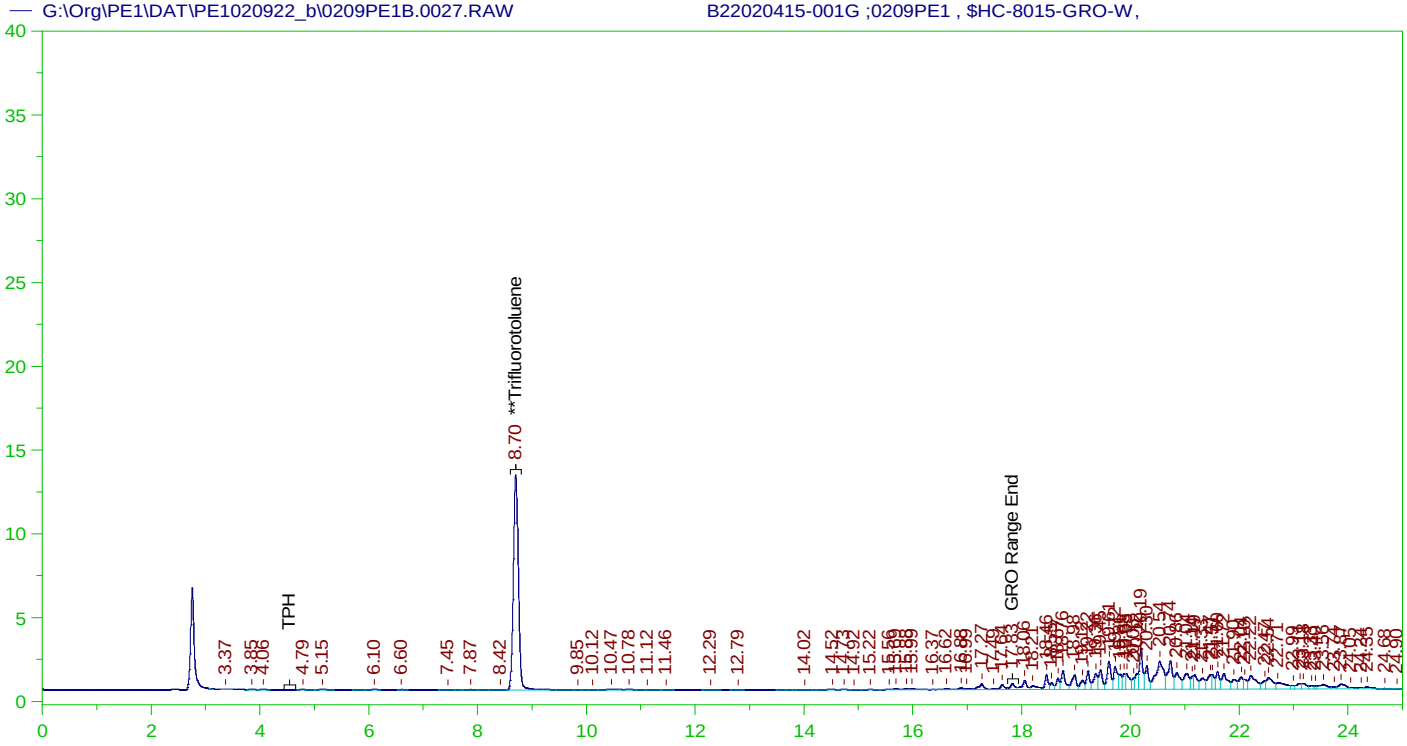
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.704	25.	21.01	84.04	-

C6 to C10 Area:3257.529 C6 to C10 Amount: 0.844951
TPH Area:4707.164 TPH Amount: 1.303033

ERH2522 (Sump Adit 3)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0027.RAW B22020415-001G ;0209PE1 , $HC-8015-GRO-W,



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

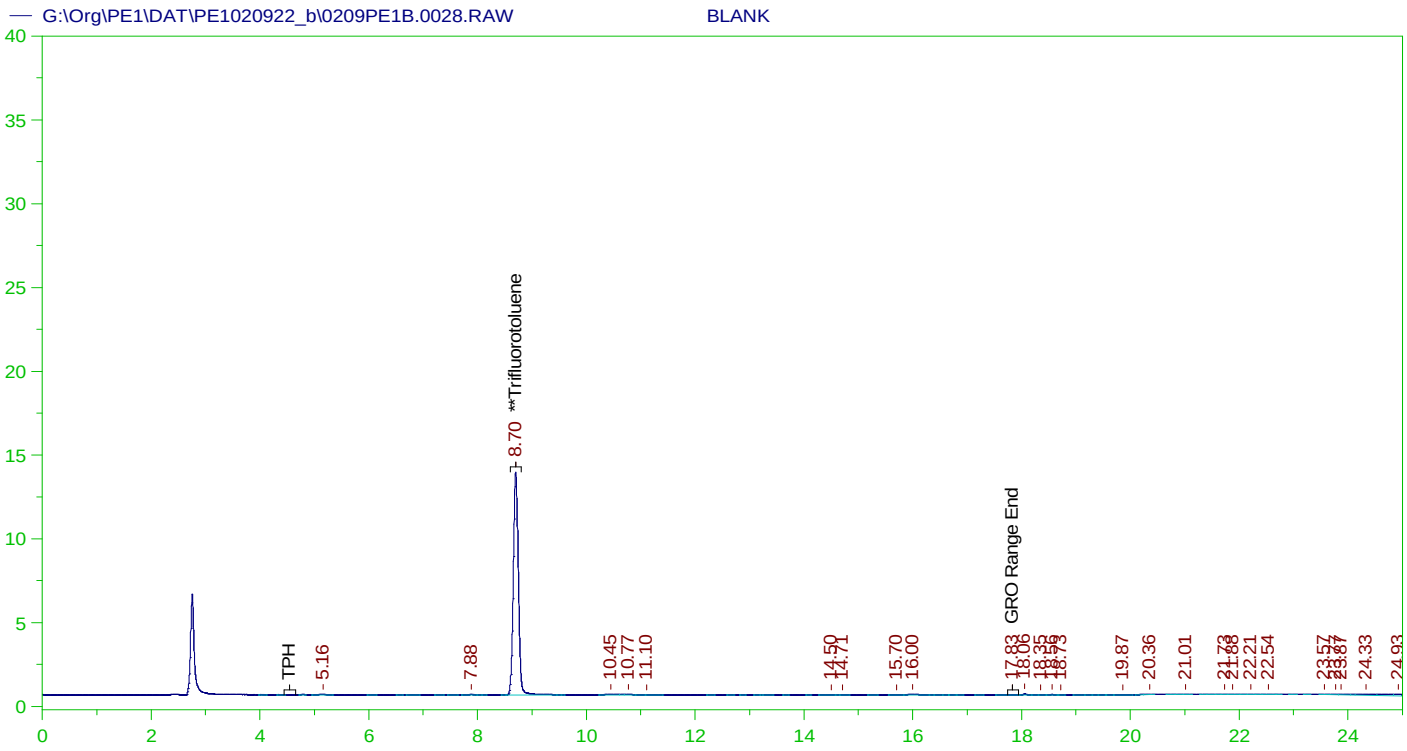
Sample Name: B22020415-001G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0027.RAW
Date & Time Acquired: 2/9/2022 10:28:43 PM
Method File: G:\Org\PE1\Methods\220203G415-1DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.704	25.	19.889	79.56	-

C6 to C10 Area:14421.5 C6 to C10 Amount: 3.740707
TPH Area:227937.9 TPH Amount: 63.09756

G:\org\PE1\dat\PE1020922_b\Review\027_B22020415-001G_220203G415-1DoDB%.xls



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
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Date & Time Acquired: 2/9/2022 11:02:59 PM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	125.	102.531	82.03	-

C6 to C10 Area:2869.343 C6 to C10 Amount: 3.721309
TPH Area:7597.021 TPH Amount: 10.515

ERH2514 (RHMW01R)

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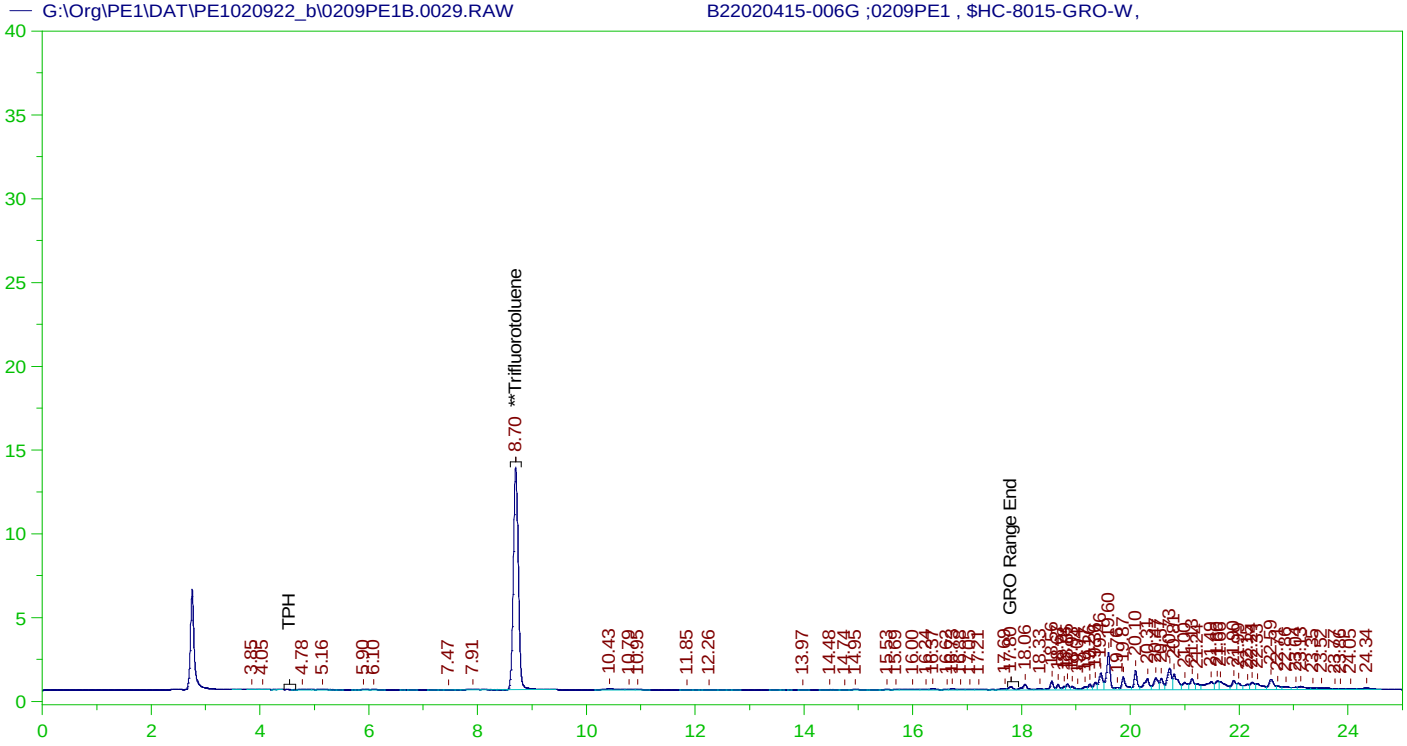


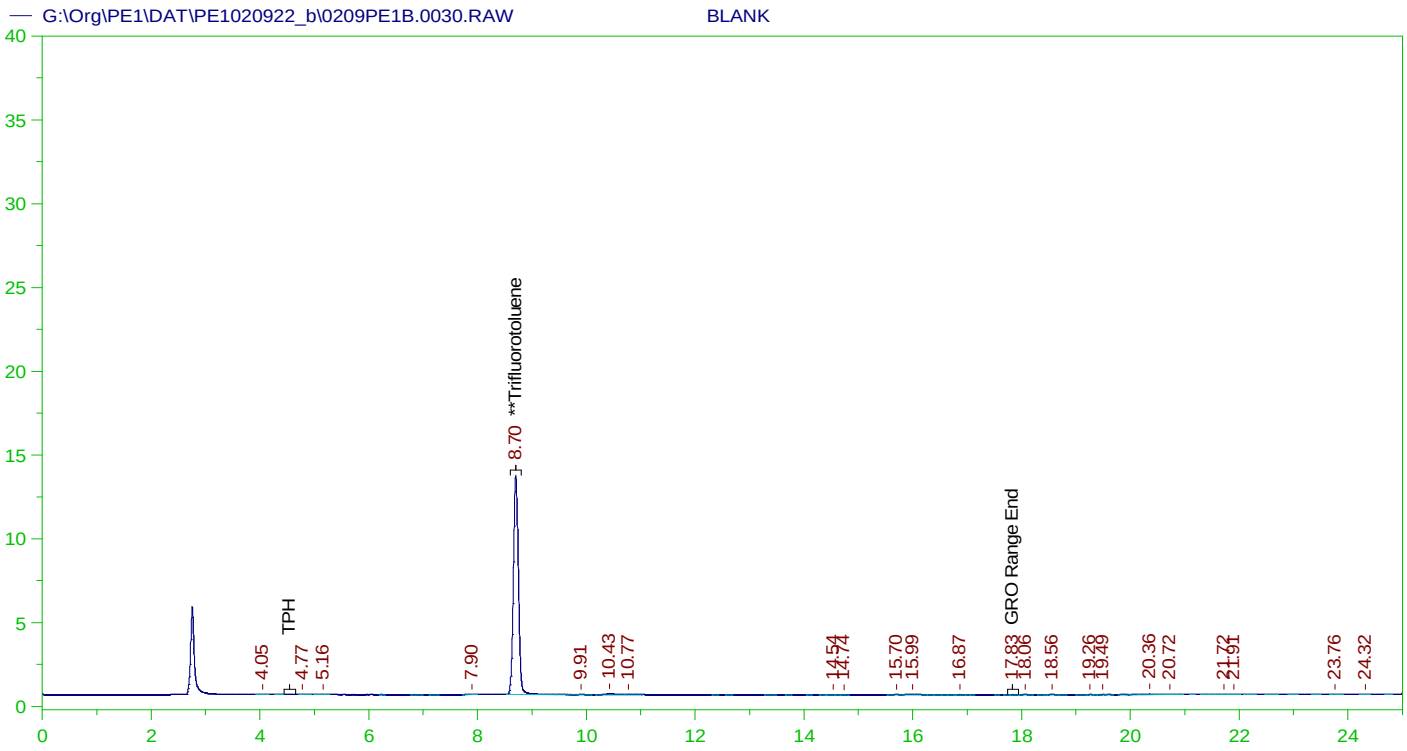
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-006G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0029.RAW
Date & Time Acquired: 2/9/2022 11:37:21 PM
Method File: G:\Org\PE1\Methods\220203G415-6DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	25.	20.455	81.82	-

C6 to C10 Area:7953.982 C6 to C10 Amount: 2.063137
TPH Area:111258.9 TPH Amount: 30.79859



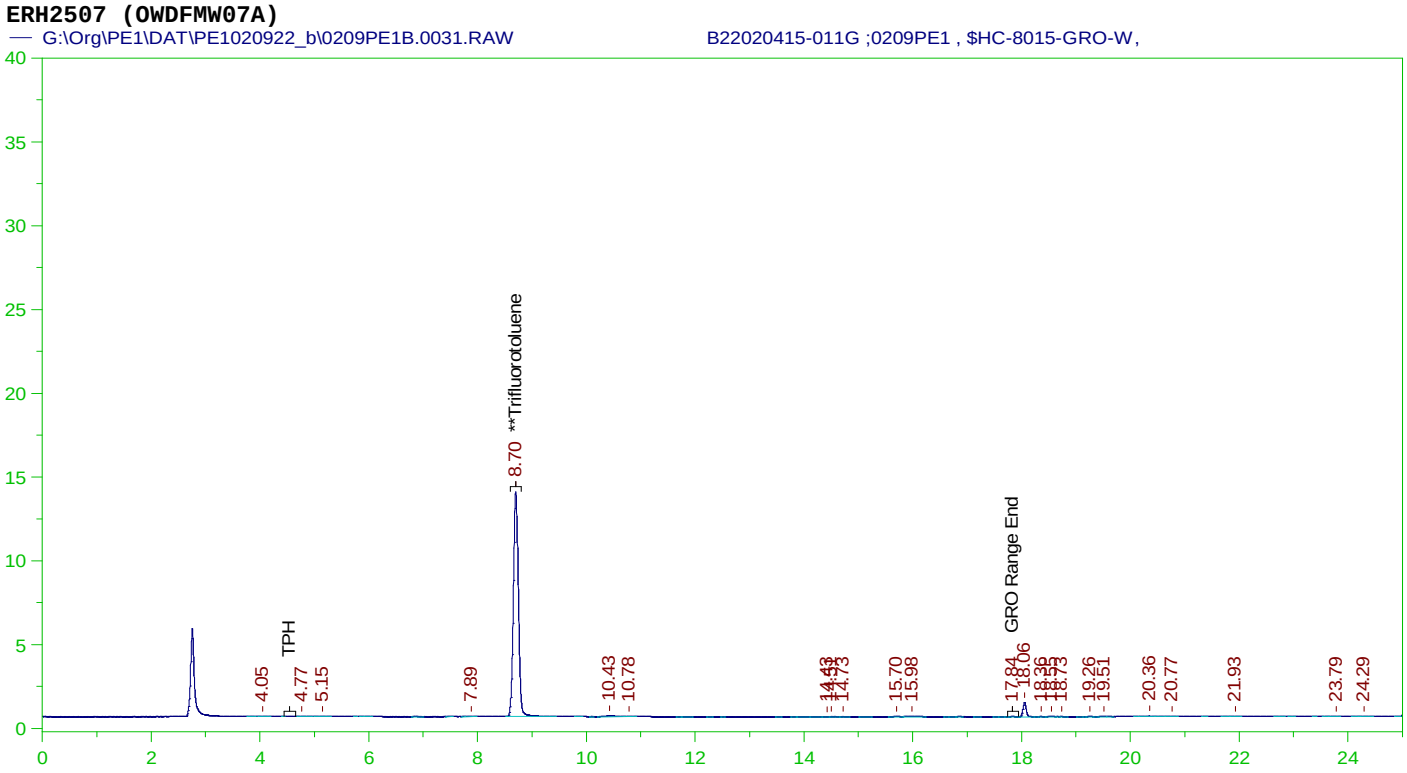
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0030.RAW
Date & Time Acquired: 2/10/2022 12:11:40 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.704	125.	100.973	80.78	-

C6 to C10 Area:2691.627 C6 to C10 Amount: 3.490826
TPH Area:4335.337 TPH Amount: 6.00052

ERH2507 (OWDFMW07A)



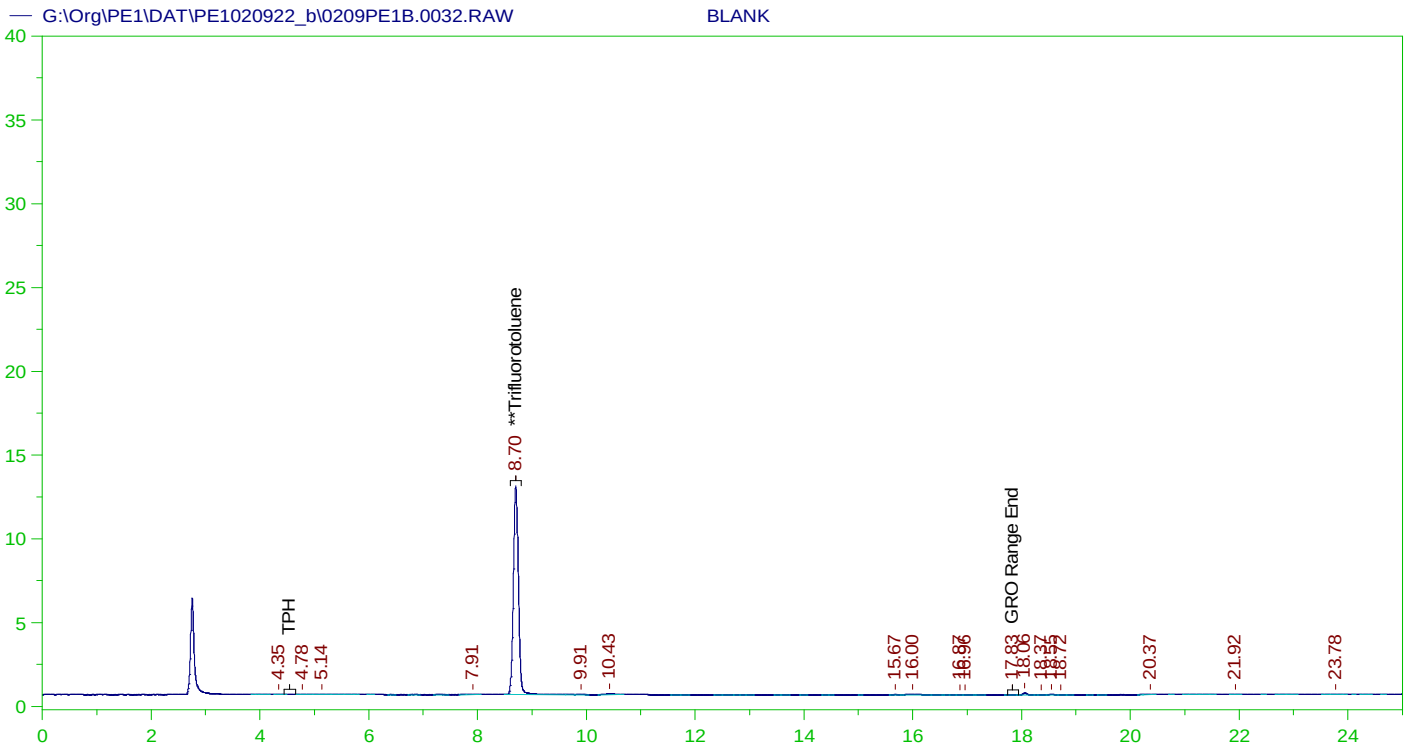
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-011G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0031.RAW
Date & Time Acquired: 2/10/2022 12:45:54 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.704	25.	20.649	82.6	-

C6 to C10 Area:2482.973 C6 to C10 Amount: 0.6440436
TPH Area:7445.45 TPH Amount: 2.061043



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0032.RAW
Date & Time Acquired: 2/10/2022 1:20:08 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

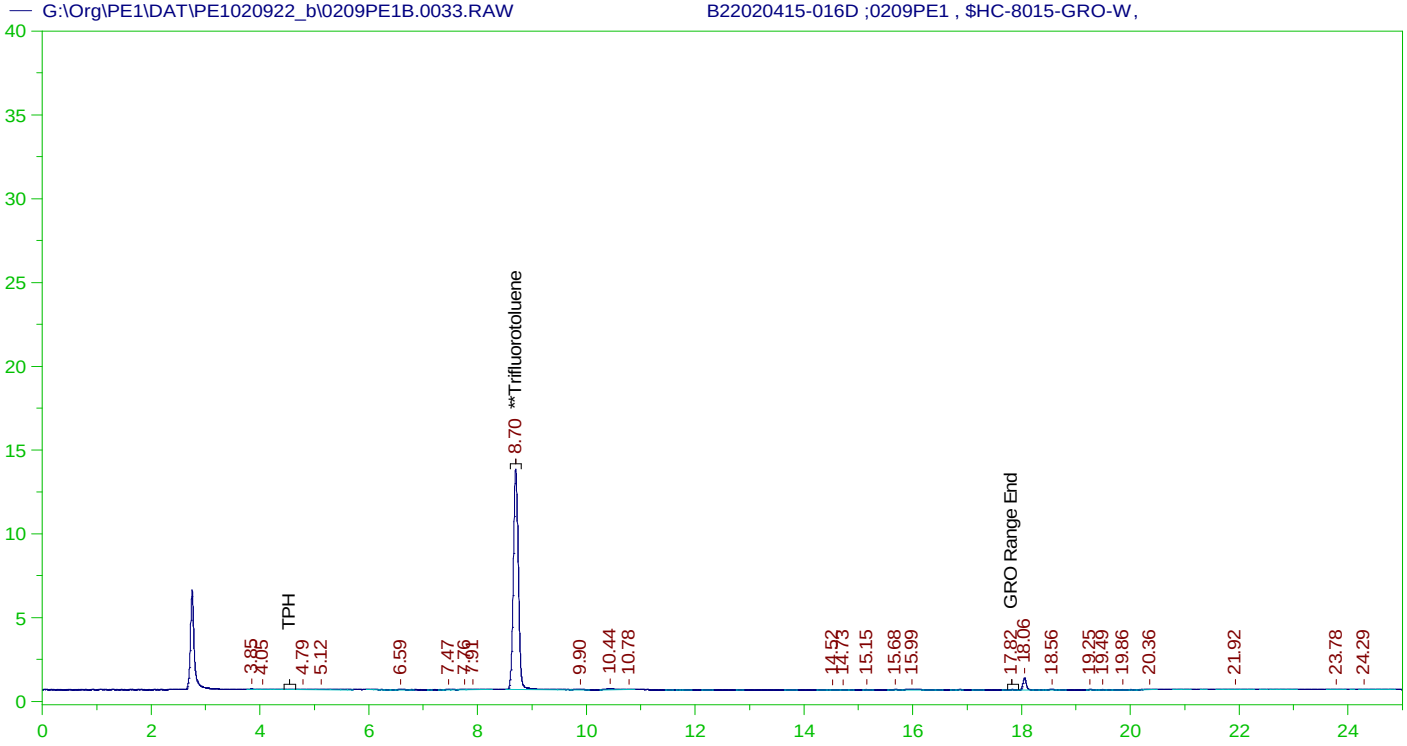
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.704	125.	96.109	76.89	-

C6 to C10 Area:2573.745 C6 to C10 Amount: 3.337943
TPH Area:4334.129 TPH Amount: 5.998848

ERH2510 (OWDFMW08A)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0033.RAW B22020415-016D ;0209PE1 , $HC-8015-GRO-W,



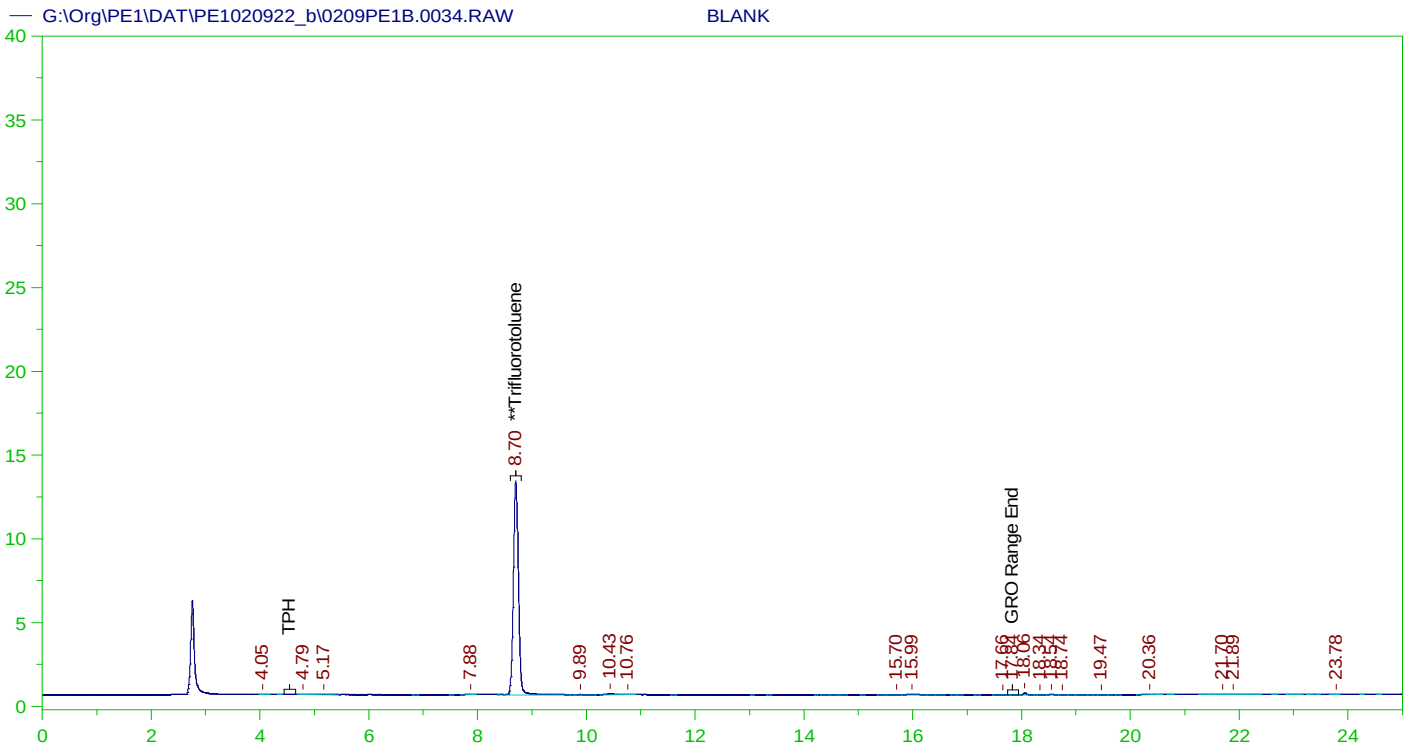
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-016D ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0033.RAW
Date & Time Acquired: 2/10/2022 1:54:20 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.703	25.	20.342	81.37	-

C6 to C10 Area:3361.074 C6 to C10 Amount: 0.8718091
TPH Area:8000.52 TPH Amount: 2.214696



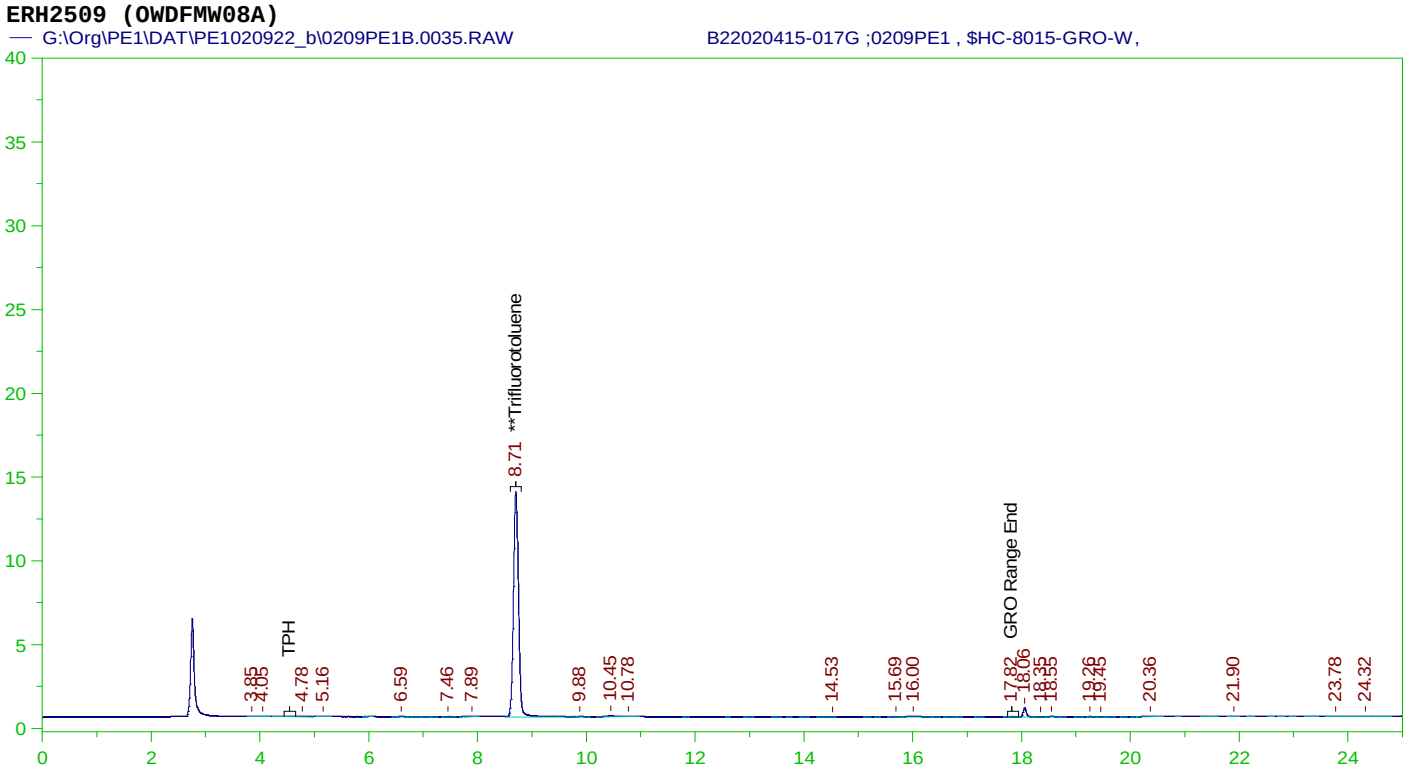
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0034.RAW
Date & Time Acquired: 2/10/2022 2:28:36 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.705	125.	98.354	78.68	-

C6 to C10 Area:2383.752 C6 to C10 Amount: 3.091537
TPH Area:4130.592 TPH Amount: 5.717134

ERH2509 (OWDFMW08A)



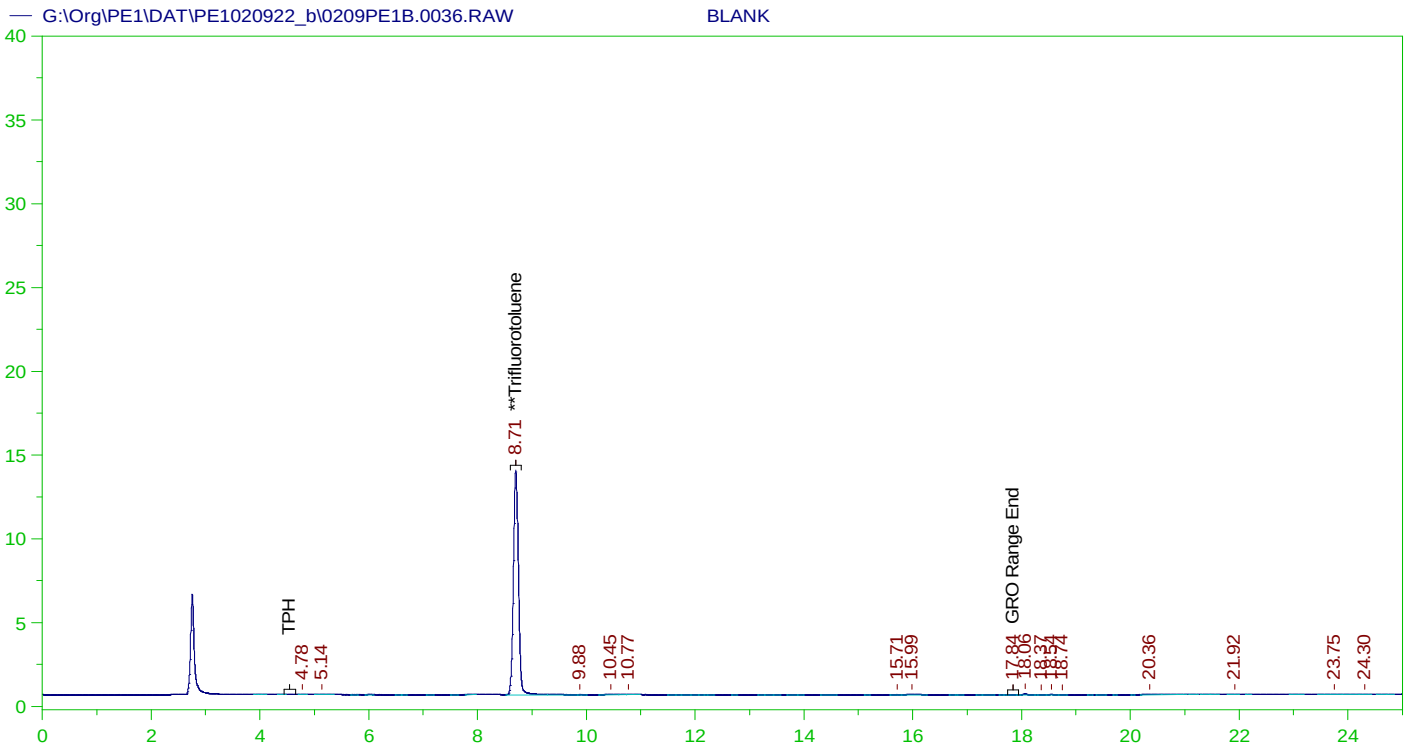
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-017G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0035.RAW
Date & Time Acquired: 2/10/2022 3:02:50 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.706	25.	20.712	82.85	-

C6 to C10 Area:2616.789 C6 to C10 Amount: 0.6787533
TPH Area:6382.077 TPH Amount: 1.766681



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0036.RAW
Date & Time Acquired: 2/10/2022 3:37:04 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.705	125.	103.329	82.66	-

C6 to C10 Area:1876.41 C6 to C10 Amount: 2.433554
TPH Area:3374.862 TPH Amount: 4.671131

ERH2512 (RHMW19)

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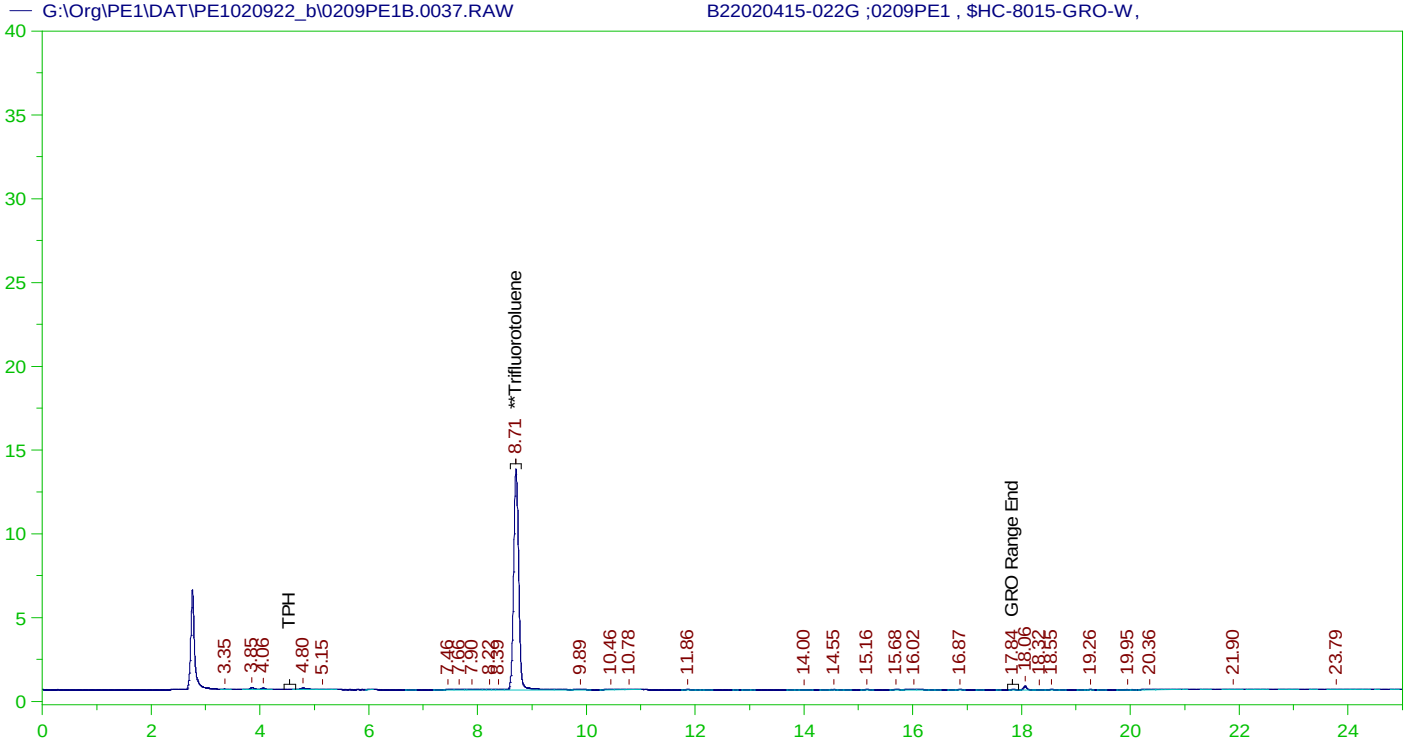


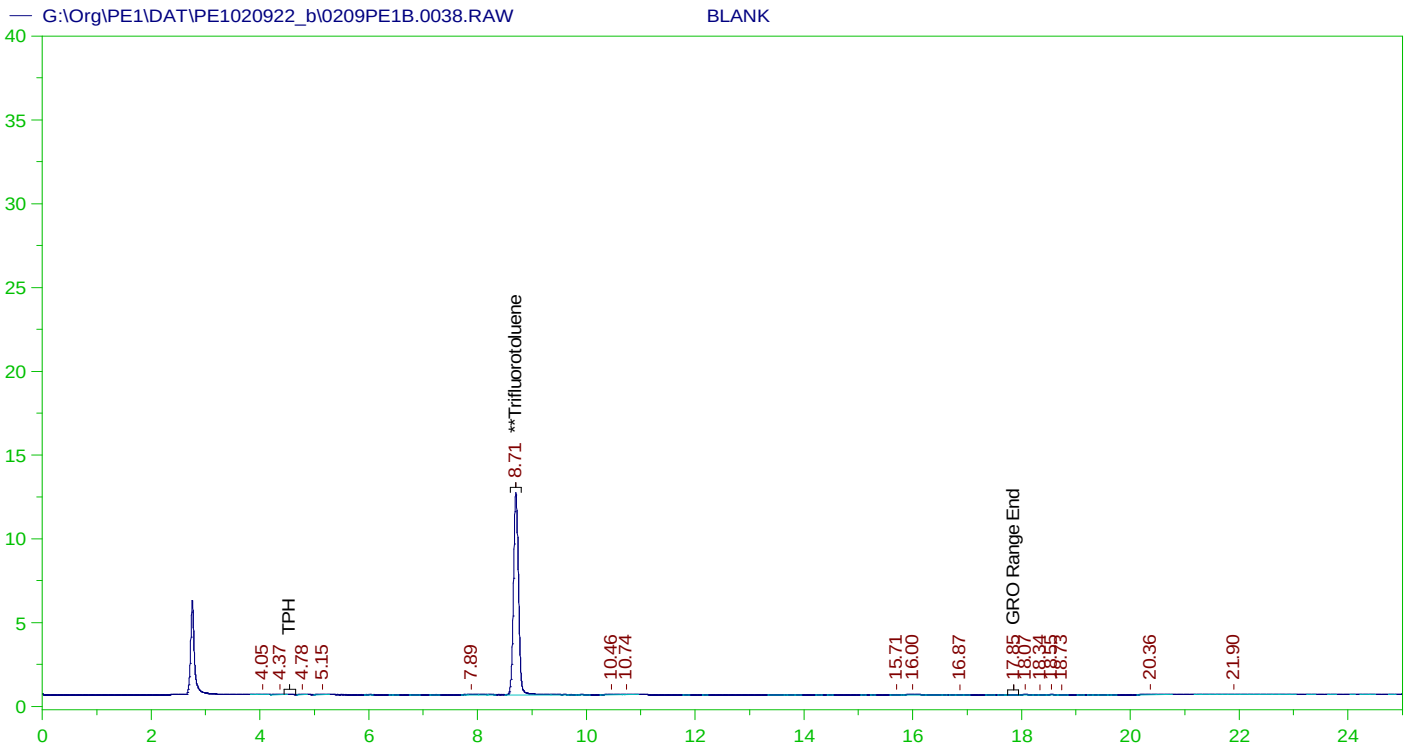
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-022G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0037.RAW
Date & Time Acquired: 2/10/2022 4:11:20 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.709	25.	20.4	81.6	-

C6 to C10 Area:3633.385 C6 to C10 Amount: 0.9424422
TPH Area:7034.321 TPH Amount: 1.947234



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0038.RAW
Date & Time Acquired: 2/10/2022 4:45:40 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

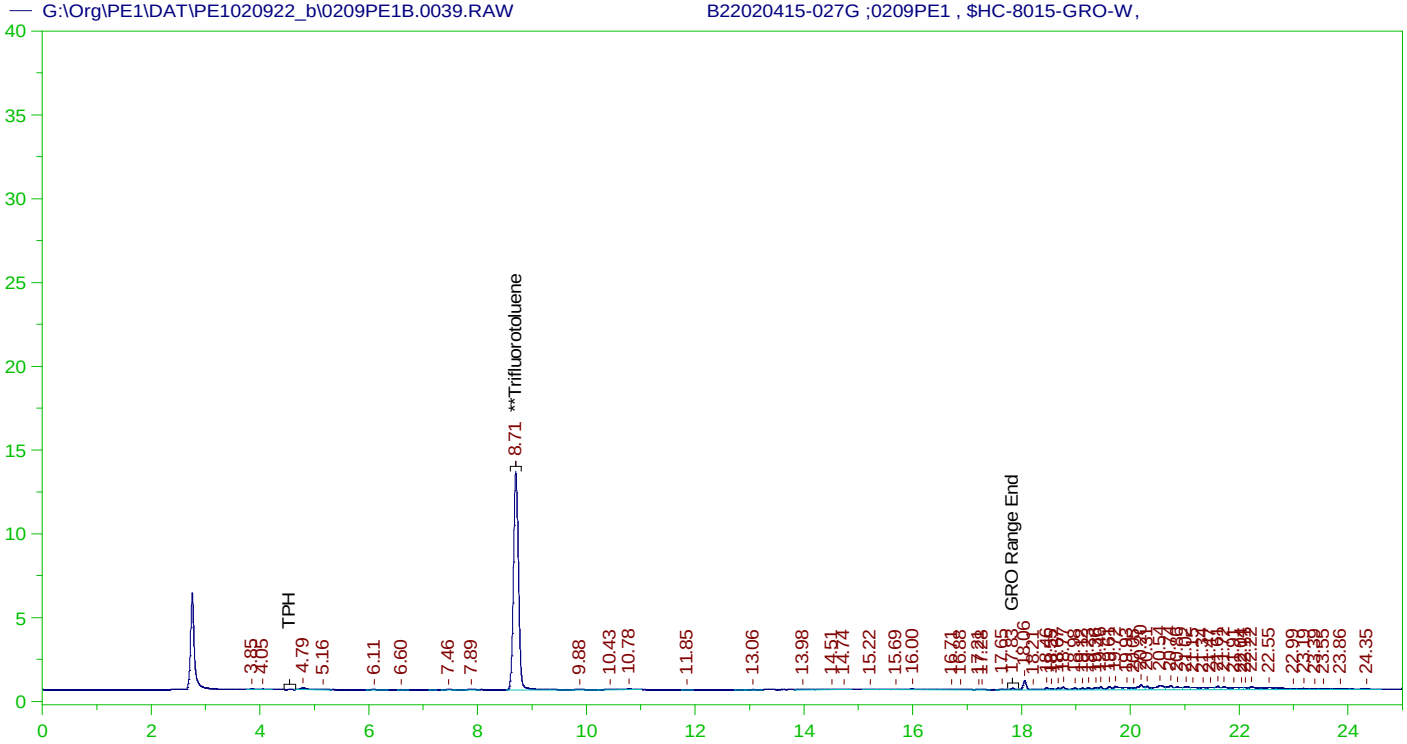
Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.706	125.	93.059	74.45	-

C6 to C10 Area:2035.843 C6 to C10 Amount: 2.640326
TPH Area:3607.49 TPH Amount: 4.993111

ERH2516 (RHMW2254-01 Bailer)

G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0039.RAW B22020415-027G ;0209PE1 , $HC-8015-GRO-W,



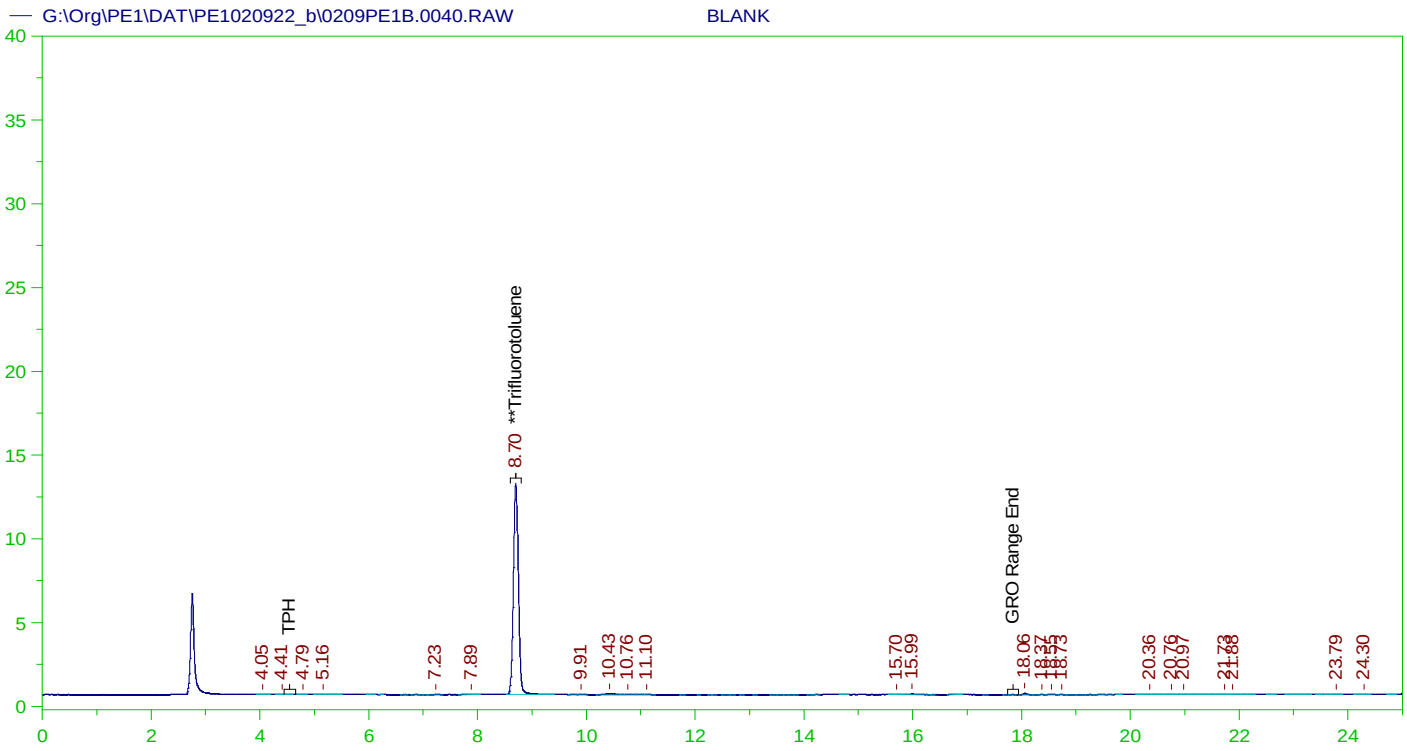
GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT

Sample Name: B22020415-027G ;0209PE1 , $HC-8015-GRO-W,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0039.RAW
Date & Time Acquired: 2/10/2022 5:19:58 AM
Method File: G:\Org\PE1\Methods\220203G415-27DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 5 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.706	25.	20.065	80.26	-

C6 to C10 Area:5436.918 C6 to C10 Amount: 1.41025
TPH Area:38849.62 TPH Amount: 10.75432

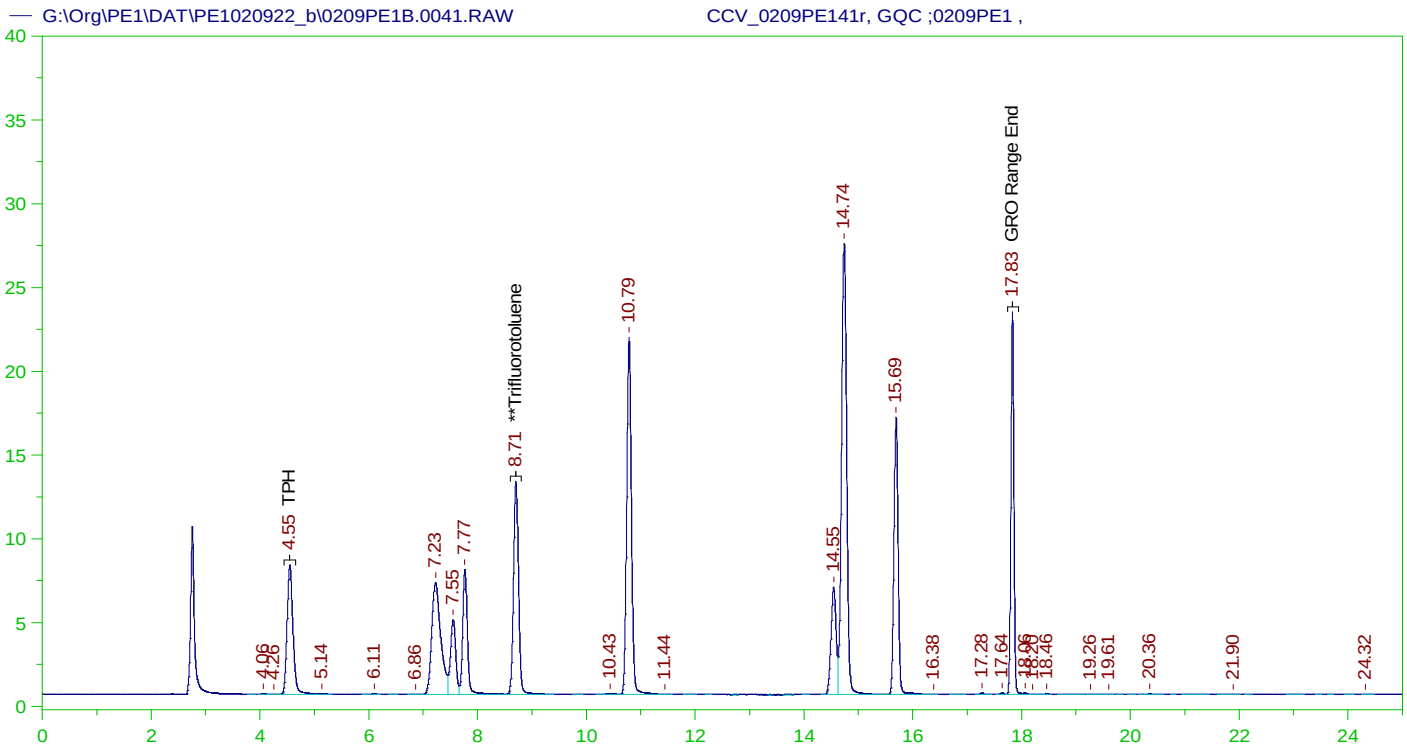


GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0040.RAW
Date & Time Acquired: 2/10/2022 5:54:20 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.704	125.	96.911	77.53	-

C6 to C10 Area:2859.38 C6 to C10 Amount: 3.708389
TPH Area:4968.378 TPH Amount: 6.876709



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209PE141r, GQC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0041.RAW
Date & Time Acquired: 2/10/2022 6:28:37 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

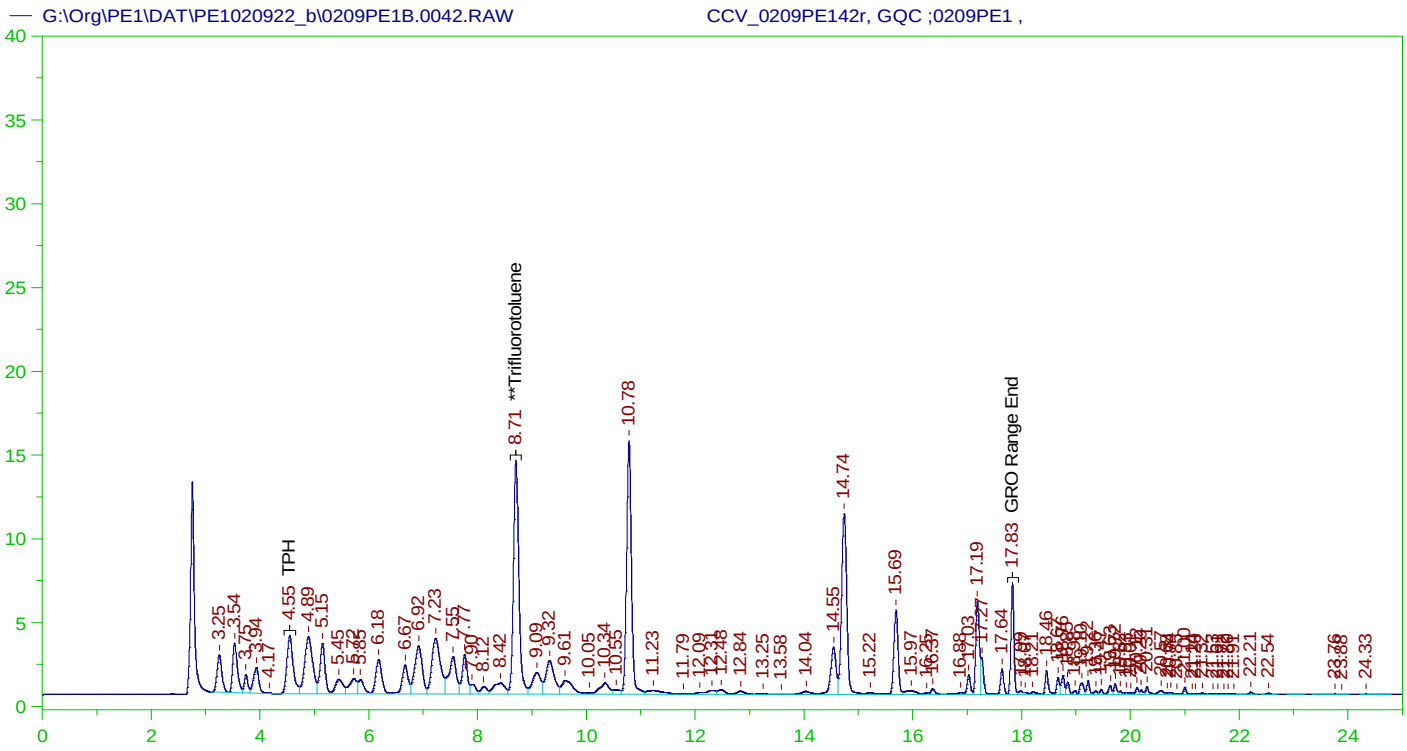
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.707	125.	97.87	78.3	-

C6 to C10 Area:743812.5 C6 to C10 Amount: 964.6656
TPH Area:745497.1 TPH Amount: 1031.839

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0041.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	964.67	114.84	85-115
TPH	1000.	1031.84	103.18	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.707	125.	97.87	78.3	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: CCV_0209PE142r, GQC ;0209PE1 ,
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0042.RAW
Date & Time Acquired: 2/10/2022 7:02:54 AM
Method File: G:\Org\PE1\Methods\220203GCCV0209_42DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

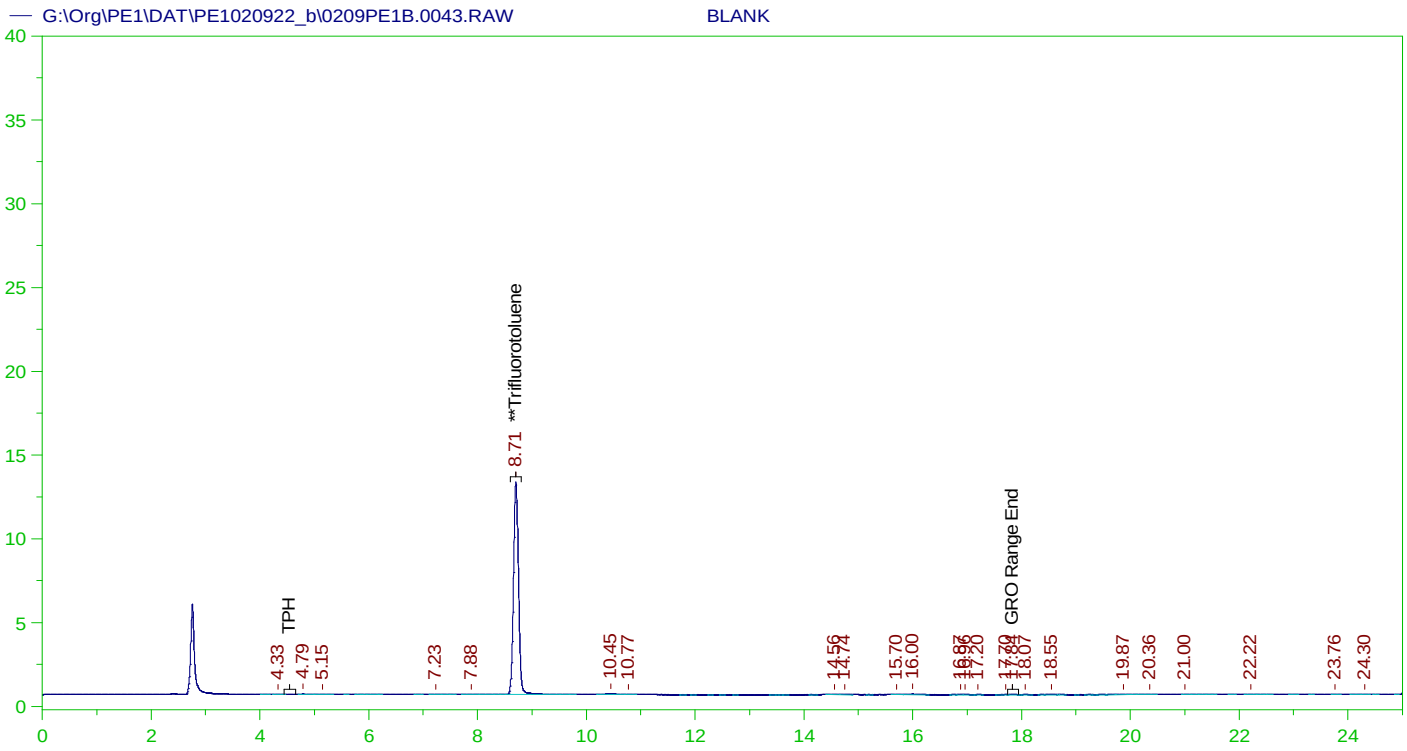
SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.707	125.	115.564	92.45	-

C6 to C10 Area:621725.1 C6 to C10 Amount: 806.3279
TPH Area:714192.9 TPH Amount: 988.5112

CONTINUING CALIBRATION REPORT: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0042.RAW

COMPOUND	ACTUAL(NG)	MEASURED(NG)	%RECOVERY	LIMITS
C6 to C10	840.	806.33	95.99	85-115
TPH	1000.	988.51	98.85	85-115

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	LIMITS
**Trifluorotoluene	8.707	125.	115.564	92.45	85-115



GASOLINE RANGE ORGANICS CHROMATOGRAM REPORT
Sample Name: BLANK
Raw File: G:\Org\PE1\DAT\PE1020922_b\0209PE1B.0043.RAW
Date & Time Acquired: 2/10/2022 7:37:30 AM
Method File: G:\Org\PE1\Methods\220203GRO_DoDB%.MET
Calibration File: G:\Org\PE1\Cals\220131GRO8015CB.CAL
Sample Weight: 1 Dilution: 1 S.A.: 1

Mean RF for C6 to C10: 771.0573
Mean RF for TPH: 722.4935
Rt range for Gasoline Range Organics: 4.45 to 17.94

SURROGATE COMPOUND	RT	ACTUAL	MEASURED	%REC	
**Trifluorotoluene	8.706	125.	97.773	78.22	-

C6 to C10 Area:2971.72 C6 to C10 Amount: 3.854085
TPH Area:4266.553 TPH Amount: 5.905316

Write Sequence	Insert Entries(Have the first cell for entries selecte							
Data File	**Sample Name**	**Method**	**Weight**	**Dil Factor**	**Amt Inj.**	**IS**	**Cal ID**	**Manual Integrations**
G:\Org\PE1\DAT\PE1020922_b\0209PE1.01r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.02r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.03r	CCV_0209PE103r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.04r	CCV_0209PE104r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.05r	LCS_0209PE105r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.06r	MBLK_0209PE106r, QC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.07r	B22020415-034A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.08r	B22020415-032G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.09r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.10r	B22020415-003A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.11r	B22020415-008A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.12r	B22020415-013A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.13r	B22020415-019A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
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G:\Org\PE1\DAT\PE1020922_b\0209PE1.15r	B22020415-024A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
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G:\Org\PE1\DAT\PE1020922_b\0209PE1.17r	B22020415-029A ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.18r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.19r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.20r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.21r	B22020415-032GMS, GQC ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.22r	B22020415-032GMSD, GQC ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.23r	CCV_0209PE123r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0	None

G:\Org\PE1\DAT\PE1020922_b\0209PE1.24r	CCV_0209PE124r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.25r	LCS_0209PE125r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.26r	MBLK_0209PE126r, QC ;0209PE1 ,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.27r	B22020415-001G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.28r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.29r	B22020415-006G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.30r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.31r	B22020415-011G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.32r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.33r	B22020415-016D ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.34r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.35r	B22020415-017G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.36r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.37r	B22020415-022G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.38r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.39r	B22020415-027G ;0209PE1 , $HC-8015-GRO-W,	G:\Org\PE1\Methods\22020	5	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.40r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.41r	CCV_0209PE141r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0	None
G:\Org\PE1\DAT\PE1020922_b\0209PE1.42r	CCV_0209PE142r, GQC ;0209PE1 ,	G:\Org\PE1\Methods\22020	1	1	1	1	0	To maintain continuous baseline and split closely eluting hydrocarbons.
G:\Org\PE1\DAT\PE1020922_b\0209PE1.43r	BLANK	G:\Org\PE1\Methods\22020	1	1	1	1	0	None

Digitally signed by
Josie Pickard
Date: 2022.02.19 08:46:13 -07:00

Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: 3GAS160127
Standard Name: Alaska Gasoline Calibration Mix Version 4/8/02
Type: Neat
Prep Date: 1/27/2016
Prep By: Josie Pickard
Exp Date: 6/7/2023
Status: New
Department: GCVOA
Vendor: Accustandard
Final Volume: 5 mL
Lot Number: 213051468
Balance ID:
Comments: 33% of each gasoline Date prepared is date received Assay ran 2/1/16 on PE1; GRO equals 84% of TPH jmp 2/1/16

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Alaska Gasoline Calibration Mix Version 4/8/02	8120	5	mL	6/7/2023

Stock Source	Base Units	Amount Added

Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: GAS220104
Standard Name: Unleaded Gasoline Comp. Std.(2.0uL)
Type: Secondary
Prep Date: 1/4/2022
Prep By: Josie Pickard
Exp Date: 6/7/2023
Status: New
Department: GCVOA
Vendor:
Final Volume: 10 mL
Lot Number:
Balance ID:
Comments: Concentration : 4.2ug/ul

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	10	mL	6/7/2023

Stock Source	Base Units	Amount Added
GASH210122	ug/mL	0.84 mL

Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: GASH210122
Standard Name: Unleaded Gasoline Composite
Type: Primary
Prep Date: 1/22/2021
Prep By: Josie Pickard
Exp Date: 6/7/2023
Status: New
Department: GCVOA
Vendor:
Final Volume: 10 mL
Lot Number:
Balance ID:
Comments: Concetration : 50,000 ug/ml

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap DZ880	13323	10	mL	6/7/2023

Stock Source	Base Units	Amount Added
3GAS160127	ug/mL	0.5022 g

Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: GASL220131
Standard Name: Low Gasoline Std.
Type: Secondary
Prep Date: 1/31/2022
Prep By: Josie Pickard
Exp Date: 6/7/2023
Status: Open
Department: GCVOA
Vendor:
Final Volume: 1 mL
Lot Number:
Balance ID:
Comments: concentration 0.42ug/ul

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	0.9	mL	6/7/2023

Stock Source	Base Units	Amount Added
GAS220104	ug/mL	0.1 mL

Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: GQC211012
Standard Name: Gasoline Composite Mix (1.68uL)
Type: Primary
Prep Date: 10/12/2021
Prep By: Josie Pickard
Exp Date: 4/2/2030
Status: New
Department: GCVOA
Vendor: Accustandard
Final Volume: 5 mL
Lot Number: 220031562
Balance ID:
Comments: 5000 ug/mL in MeOH Date prepared is date received; Assay run 4/1/21 on Pe1 GRO range equals 85% jmp

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Gasoline Composite Mix	14373	5	mL	4/2/2030

Stock Source	Base Units	Amount Added
GQC211012	ug/mL	

Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: GROS200921
Standard Name: Gro Stock Standard Mt.Gro
Type: Primary
Prep Date: 9/21/2020
Prep By: Josie Pickard
Exp Date: 3/28/2029
Status: Open
Department: GCVOA
Vendor: Accustandard
Final Volume: 2 mL
Lot Number: 219031408
Balance ID:
Comments: 10 Component Mix (varing concentrations) 100 mg/ml

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Gasoline Standard	13090	2	mL	3/28/2029

Stock Source	Base Units	Amount Added
GROS200921	ug/mL	2 mL

Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: TFT220131
Standard Name: TFT (1.05uL)
Prep Date: 1/31/2022
Exp Date: 9/10/2029
Department: GCVOA
Vendor:
Lot Number:
Balance ID:
Comments: Final concentration : 1.0mg/mL

Type: Secondary
Prep By: Josie Pickard
Status: New
Final Volume: 2 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	1.9	mL	9/10/2029

Stock Source	Base Units	Amount Added
TFTS210607	ug/mL	0.1 mL

Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: TFTL220131
Standard Name: TFTL
Prep Date: 1/31/2022
Exp Date: 9/10/2029
Department: GCVOA
Vendor:
Lot Number:
Balance ID:
Comments: Final concentration :0.01mg/mL

Type: Secondary
Prep By: Josie Pickard
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	0.9	mL	9/10/2029

Stock Source	Base Units	Amount Added
TFTM220131	ug/mL	0.1 mL

Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: TFTM220131
Standard Name: TFTM
Prep Date: 1/31/2022
Exp Date: 9/10/2029
Department: GCVOA
Vendor:
Lot Number:
Balance ID:
Comments: Final concentration :0.1mg/mL

Type: Secondary
Prep By: Josie Pickard
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	0.9	mL	9/10/2029

Stock Source	Base Units	Amount Added
TFT220131	ug/mL	0.1 mL

Analytical RunID PE 1_220131A Standards Traceability Report

Standard ID: TFTS210607
Standard Name: TFT Stock
Prep Date: 6/7/2021
Exp Date: 9/10/2029
Department: GCVOA
Vendor: Accustandard
Lot Number: 219091095
Balance ID:
Comments: 20mg/ml in Meoh Date prepared is date received.

Type: Primary
Prep By: Josie Pickard
Status: New
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
a,a,a-Trifluorotoluene	13921	10	mL	9/10/2029

Stock Source	Base Units	Amount Added

125 Market Street
New Haven, CT 06513
USA

AccuStandard®, Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: GRO-AK-101-GCS-R1
Description: Alaska Gasoline Calibration Mix Version 4/8/02
Lot: 213051468
Solvent: N/A
Hazards: **HIGHLY FLAMMABLE** - *Refer to SDS for safety info*

Danger 2

Date Certified: Jun 7, 2013
Expiration: Jun 7, 2023
Sample Size: 1 mL
Components: 3
Storage Condition: Ambient (>5 °C)

Included on ISO/IEC 17025 Scope of Accreditation: Yes

Included on ISO Guide 34 Scope of Accreditation: Yes

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[1] (%w/w)	Certified Analyte Concentration[2] (%w/w)
Gasoline - Regular, unleaded	8006-61-9	Tech Mix	33.30	33.30
Gasoline - Plus, unleaded	8006-61-9	Tech Mix	33.40	33.40
Gasoline - Premium, unleaded	8006-61-9	Tech Mix	33.30	33.30

ID #: 8120
Opened:
Alaska Gasoline Calibration Mix Version 4/8/0
Expires: 6/7/2023
Rec'd 1/27/2016
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[1] All weights are traceable through NIST, Test No. 822-275872-11.

[2] Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values:
A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

See reverse side for additional information.

Certified By:
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: GRO-AK-101-GCS
Description: Gasoline Composite Mix
Lot: 220031562
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Apr 2, 2020
Expiration: Apr 2, 2030
Sample Size: 1 mL
Components: 3
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463 ANAB ACCREDITED TESTING LABORATORY AT-1339 ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
Gasoline - Premium, unleaded	N/A	Tech Mix	1660	1660
Gasoline - Regular, leaded	N/A	Tech Mix	1674	1674
Gasoline - Regular, unleaded	N/A	Tech Mix	1673	1673

ID #: 14373
Opened:_____
Gasoline Composite Mix
Expires: 4/2/2030
Rec'd: 10/12/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____
Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

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Rev. 7/20

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New Haven, CT 06513
USA

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CERTIFICATE OF ANALYSIS

Catalog No: M-602-SS-100X
Description: a,a,a-Trifluorotoluene
Lot: 219091095
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Sep 10, 2019
Expiration: Sep 10, 2029
Sample Size: 1 mL
Components: 1
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (mg/mL)	Certified Analyte Concentration[1] (mg/mL)
a,a,a-Trifluorotoluene	98-08-8	99.9	20.01	19.99

ID #: 13921
Opened:_____
a,a,a-Trifluorotoluene
Expires: 9/10/2029
Rec'd: 6/7/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: 3GAS160127
Standard Name: Alaska Gasoline Calibration Mix Version 4/8/02
Type: Neat
Prep Date: 1/27/2016
Prep By: Josie Pickard
Exp Date: 6/7/2023
Status: New
Department: GCVOA
Vendor: Accustandard
Final Volume: 5 mL
Lot Number: 213051468
Balance ID:
Comments: 33% of each gasoline Date prepared is date received Assay ran 2/1/16 on PE1; GRO equals 84% of TPH jmp 2/1/16

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Alaska Gasoline Calibration Mix Version 4/8/02	8120	5	mL	6/7/2023

Stock Source	Base Units	Amount Added

Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: GAS220104
Standard Name: Unleaded Gasoline Comp. Std.(2.0uL)
Type: Secondary
Prep Date: 1/4/2022
Prep By: Josie Pickard
Exp Date: 6/7/2023
Status: New
Department: GCVOA
Vendor:
Final Volume: 10 mL
Lot Number:
Balance ID:
Comments: Concentration : 4.2ug/ul

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	10	mL	6/7/2023

Stock Source	Base Units	Amount Added
GASH210122	ug/mL	0.84 mL

Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: GASH210122
Standard Name: Unleaded Gasoline Composite
Type: Primary
Prep Date: 1/22/2021
Prep By: Josie Pickard
Exp Date: 6/7/2023
Status: New
Department: GCVOA
Vendor:
Final Volume: 10 mL
Lot Number:
Balance ID:
Comments: Concetration : 50,000 ug/ml

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap DZ880	13323	10	mL	6/7/2023

Stock Source	Base Units	Amount Added
3GAS160127	ug/mL	0.5022 g

Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: GQC211012
Standard Name: Gasoline Composite Mix (1.68uL)
Type: Primary
Prep Date: 10/12/2021
Prep By: Josie Pickard
Exp Date: 4/2/2030
Status: New
Department: GCVOA
Vendor: Accustandard
Final Volume: 5 mL
Lot Number: 220031562
Balance ID:
Comments: 5000 ug/mL in MeOH Date prepared is date received; Assay run 4/1/21 on Pe1 GRO range equals 85% jmp

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Gasoline Composite Mix	14373	5	mL	4/2/2030

Stock Source	Base Units	Amount Added
GQC211012	ug/mL	

Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: GROS200921
Standard Name: Gro Stock Standard Mt.Gro
Type: Primary
Prep Date: 9/21/2020
Prep By: Josie Pickard
Exp Date: 3/28/2029
Status: Open
Department: GCVOA
Vendor: Accustandard
Final Volume: 2 mL
Lot Number: 219031408
Balance ID:
Comments: 10 Component Mix (varing concentrations) 100 mg/ml

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Gasoline Standard	13090	2	mL	3/28/2029

Stock Source	Base Units	Amount Added
GROS200921	ug/mL	2 mL

Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: TFT220209
Standard Name: TFT (1.05uL)
Type: Secondary
Prep Date: 2/9/2022
Prep By: Josie Pickard
Exp Date: 9/10/2029
Status: New
Department: GCVOA
Vendor:
Final Volume: 2 mL
Lot Number:
Balance ID:
Comments: Final concentration : 1.0mg/mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	1.9	mL	9/10/2029

Stock Source	Base Units	Amount Added
TFTS210607	ug/mL	0.1 mL

Analytical RunID PE 1_220209A Standards Traceability Report

Standard ID: TFTS210607
Standard Name: TFT Stock
Prep Date: 6/7/2021
Exp Date: 9/10/2029
Department: GCVOA
Vendor: Accustandard
Lot Number: 219091095
Balance ID:
Comments: 20mg/ml in Meoh Date prepared is date received.

Type: Primary
Prep By: Josie Pickard
Status: New
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
a,a,a-Trifluorotoluene	13921	10	mL	9/10/2029

Stock Source	Base Units	Amount Added

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CERTIFICATE OF ANALYSIS

Catalog No: GRO-AK-101-GCS-R1
Description: Alaska Gasoline Calibration Mix Version 4/8/02
Lot: 213051468
Solvent: N/A
Hazards: **HIGHLY FLAMMABLE** - *Refer to SDS for safety info*

Danger 2

Date Certified: Jun 7, 2013
Expiration: Jun 7, 2023
Sample Size: 1 mL
Components: 3
Storage Condition: Ambient (>5 °C)

Included on ISO/IEC 17025 Scope of Accreditation: Yes

Included on ISO Guide 34 Scope of Accreditation: Yes

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[1] (%w/w)	Certified Analyte Concentration[2] (%w/w)
Gasoline - Regular, unleaded	8006-61-9	Tech Mix	33.30	33.30
Gasoline - Plus, unleaded	8006-61-9	Tech Mix	33.40	33.40
Gasoline - Premium, unleaded	8006-61-9	Tech Mix	33.30	33.30

ID #: 8120
Opened:
Alaska Gasoline Calibration Mix Version 4/8/0
Expires: 6/7/2023
Rec'd 1/27/2016
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[1] All weights are traceable through NIST, Test No. 822-275872-11.

[2] Certified Analyte Concentration = Purity x Prepared Concentration. The Uncertainty associated with the gravimetric values reported on this certificate is ±0.24%. The CRM Uncertainty calculated for this product is ±5%. These values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values:
A comma (,) is used to separate units of one-thousand or greater.
A period (.) is used as a decimal place marker.

See reverse side for additional information.

Certified By:
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

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CERTIFICATE OF ANALYSIS

Catalog No: GRO-AK-101-GCS
Description: Gasoline Composite Mix
Lot: 220031562
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Apr 2, 2020
Expiration: Apr 2, 2030
Sample Size: 1 mL
Components: 3
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
Gasoline - Premium, unleaded	N/A	Tech Mix	1660	1660
Gasoline - Regular, leaded	N/A	Tech Mix	1674	1674
Gasoline - Regular, unleaded	N/A	Tech Mix	1673	1673

ID #: 14373
Opened:_____
Gasoline Composite Mix
Expires: 4/2/2030
Rec'd: 10/12/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

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CERTIFICATE OF ANALYSIS

Catalog No: M-602-SS-100X
Description: a,a,a-Trifluorotoluene
Lot: 219091095
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Sep 10, 2019
Expiration: Sep 10, 2029
Sample Size: 1 mL
Components: 1
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (mg/mL)	Certified Analyte Concentration[1] (mg/mL)
a,a,a-Trifluorotoluene	98-08-8	99.9	20.01	19.99

ID #: 13921
Opened:_____
a,a,a-Trifluorotoluene
Expires: 9/10/2029
Rec'd: 6/7/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

Energy Laboratories Inc

ANALYTICAL RUN Summary

14-Feb-22

Run ID VOA5975C.I_220119A

Run Start Date: 1/19/2022
Analyst: Melissa Chavez
Ical:
Column ID:
Comments:

Instrument ID	Description
Bal #22	Balance

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
VOCF3517	Internal Standard / Surrogates (INT/SURR)	8.4	ul	42	ml	MBLK, ICV (	12/31/2022
VOCF3529B	2nd Source MtBE	1.05	ul	42	ml	ICV	1/29/2022
VOCF3546B	Liquids		ul	42	ml	CAL	2/13/2022
VOCF3558B	2nd Source Liquids	1.05	ul	42	ml	ICV	2/27/2022
VOCF3559A	MtBE		ul	42	ml	CAL	1/27/2022
VOCF3563	Internals	8.4	ul	42	ml	CAL	7/3/2022
VOCF3567A	2nd Source Ketones	1.05	ul	42	ml	ICV	2/12/2022
VOCF3569	Ketones		ul	42	ml	CAL	2/17/2022
VOCF3570A	Gases		ul	42	ml	CAL	1/25/2022
VOCF3571A	2nd Source Gases	1.05	ul	42	ml	ICV	1/26/2022
VOCF3573	Calibration Surrogates		ul	42	ml	CAL	7/19/2022

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993103	19JAN02_D_TU	VOC-8260-BFB	TUNE	)A5975C\VG011	1/19/2022 9:34:0	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
173, % of mass 174	A	%	1.1	1.1		100	0	0	0	0	0	1%	0	1.99	0%	
174, % of mass 95	A	%	94.2	94.2		100	0	0	0	0	0	94%	50	99.99	0%	
175, % of mass 174	A	%	7.5	7.5		100	0	0	0	0	0	8%	5	9	0%	
176, % of mass 174	A	%	96.1	96.1		100	0	0	0	0	0	96%	95	101	0%	
177, % of mass 176	A	%	6.6	6.6		100	0	0	0	0	0	7%	5	9	0%	
50, % of mass 95	A	%	21.4	21.4		100	0	0	0	0	0	21%	15	40	0%	
75, % of mass 95	A	%	50	50		100	0	0	0	0	0	50%	30	60	0%	
95, Base Peak	A	%	100	100		100	0	0	0	0	0	100%	0	100	0%	
96, % of mass 95	A	%	6.7	6.7		100	0	0	0	0	0	7%	5	9	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993111	MBLK011922_	VOC-8260-W-Q	MBLK	)A5975C\VG011\	1/19/2022 10:13:	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	0.5	500	0%	0	0	0%	
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	0.5	500	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	0.5	500	0%	0	0	0%	
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	0.5	500	0%	0	0	0%	
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	0.5	500	0%	0	0	0%	
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	0.5	500	0%	0	0	0%	
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	0.5	500	0%	0	0	0%	
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	0.5	500	0%	0	0	0%	
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	0.5	500	0%	0	0	0%	
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	0.5	500	0%	0	0	0%	
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	0.5	500	0%	0	0	0%	
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	0.5	500	0%	0	0	0%	
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	0.5	500	0%	0	0	0%	
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	0.5	500	0%	0	0	0%	
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	0.5	500	0%	0	0	0%	
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	0.5	500	0%	0	0	0%	
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	0.5	500	0%	0	0	0%	
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	0.5	500	0%	0	0	0%	
Benzene	A	ug/L	0	0		0	0	0	0.0914	0.5	500	0%	0	0	0%	
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	0.5	500	0%	0	0	0%	
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	0.5	500	0%	0	0	0%	
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	0.5	500	0%	0	0	0%	
Bromoform	A	ug/L	0	0		0	0	0	0.119	0.5	500	0%	0	0	0%	
Bromomethane	A	ug/L	2.5579	0		0	0	0	0.253	0.5	500	0%	0	0	0%	
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	0.5	500	0%	0	0	0%	
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	0.5	500	0%	0	0	0%	
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	0.5	500	0%	0	0	0%	
Chloroethane	A	ug/L	0	0		0	0	0	0.169	0.5	500	0%	0	0	0%	
Chloroform	A	ug/L	0	0		0	0	0	0.0789	0.5	500	0%	0	0	0%	
Chloromethane	A	ug/L	0.37083	0		0	0	0	0.162	0.5	500	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	0.5	500	0%	0	0	0%	
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	0.5	500	0%	0	0	0%	
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	0.5	500	0%	0	0	0%	
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	0.5	500	0%	0	0	0%	
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	0.5	500	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993111	MBLK011922_	VOC-8260-W-Q	MBLK	)A5975C\VG011	1/19/2022 10:13:	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	0.5	1000	0%	0	0	0%	
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	10	5000	0%	0	0	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	0.5	500	0%	0	0	0%	
Methylene chloride	A	ug/L	1.79994	0		0	0	0	0.338	0.5	500	0%	0	0	0%	
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	0.5	500	0%	0	0	0%	
Styrene	A	ug/L	0	0		0	0	0	0.067	0.5	500	0%	0	0	0%	
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	0.5	500	0%	0	0	0%	
Toluene	A	ug/L	0	0		0	0	0	0.0679	0.5	500	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	0.5	500	0%	0	0	0%	
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	0.5	500	0%	0	0	0%	
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	0.5	500	0%	0	0	0%	
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	0.5	500	0%	0	0	0%	
Vinyl chloride	A	ug/L	0.3842	0		0	0	0	0.153	0.5	500	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Xylenes, Total	M	ug/L	0	0		0	0	0	0.0604	0.5	1500	0%	0	0	0%	
1,2-Dichloroethane-d4	S	ug/L	296.9186	11.876744		10	0	0	0.229	0.5	500	119%	70	130	0%	
Dibromofluoromethane	S	ug/L	281.32071	11.2528284		10	0	0	0.129	0.5	500	113%	77	126	0%	
p-Bromofluorobenzene	S	ug/L	261.10788	10.4443152		10	0	0	0.149	0.5	500	104%	76	127	0%	
Toluene-d8	S	ug/L	258.94128	10.3576512		10	0	0	0.23	0.5	500	104%	79	122	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993112	ICAL011922_1	VOC-8260-W-Q	CAL1	)A5975C\VG011	1/19/2022 10:48:	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichlorobenzene	A	ug/L	2.56161	0.1024644		0.1	0	0	0.0746	0.5	500	102%	50	150	0%	
1,2-Dichloroethane	A	ug/L	2.90043	0.1160172		0.1	0	0	0.116	0.5	500	116%	50	150	0%	
1,3-Dichlorobenzene	A	ug/L	2.60665	0.104266		0.1	0	0	0.0803	0.5	500	104%	50	150	0%	
1,4-Dichlorobenzene	A	ug/L	2.71995	0.108798		0.1	0	0	0.0858	0.5	500	109%	50	150	0%	
Benzene	A	ug/L	2.63388	0.1053552		0.1	0	0	0.0914	0.5	500	105%	50	150	0%	
Chloroform	A	ug/L	3.06575	0.12263		0.1	0	0	0.0789	0.5	500	123%	50	150	0%	
Ethylbenzene	A	ug/L	2.90887	0.1163548		0.1	0	0	0.0836	0.5	500	116%	50	150	0%	
m+p-Xylenes	A	ug/L	6.17379	0.2469516		0.2	0	0	0.15	0.5	1000	123%	50	150	0%	
o-Xylene	A	ug/L	3.08858	0.1235432		0.1	0	0	0.0604	0.5	500	124%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993112	ICAL011922_1	VOC-8260-W-Q	CAL1	)A5975C\VG011	1/19/2022 10:48:	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Styrene	A	ug/L	3.18392	0.1273568		0.1	0	0	0.067	0.5	500	127%	50	150	0%	
Tetrachloroethene	A	ug/L	2.62409	0.1049636		0.1	0	0	0.0671	0.5	500	105%	50	150	0%	
Toluene	A	ug/L	2.65	0.106		0.1	0	0	0.0679	0.5	500	106%	50	150	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	50	150	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	50	150	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	50	150	0%	
Xylenes, Total	M	ug/L	9.26237	0.3704948		0.3	0	0	0.0604	0.5	1500	123%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993113	ICAL011922_2	VOC-8260-W-Q	CAL2	)A5975C\VG011	1/19/2022 11:15:	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	12.03781	0.4815124		0.5	0	0	0.101	0.5	500	96%	50	150	0%	
1,1,1-Trichloroethane	A	ug/L	11.55095	0.462038		0.5	0	0	0.131	0.5	500	92%	50	150	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	12.30338	0.4921352		0.5	0	0	0.0872	0.5	500	98%	50	150	0%	
1,1,2-Trichloroethane	A	ug/L	11.9543	0.478172		0.5	0	0	0.108	0.5	500	96%	50	150	0%	
1,1-Dichloroethane	A	ug/L	11.84931	0.4739724		0.5	0	0	0.135	0.5	500	95%	50	150	0%	
1,1-Dichloroethene	A	ug/L	11.68996	0.4675984		0.5	0	0	0.141	0.5	500	94%	50	150	0%	
1,1-Dichloropropene	A	ug/L	10.64606	0.4258424		0.5	0	0	0.083	0.5	500	85%	50	150	0%	
1,2,3-Trichloropropane	A	ug/L	12.3825	0.4953		0.5	0	0	0.235	0.5	500	99%	50	150	0%	
1,2-Dibromoethane	A	ug/L	11.21917	0.4487668		0.5	0	0	0.0916	0.5	500	90%	50	150	0%	
1,2-Dichlorobenzene	A	ug/L	11.56015	0.462406		0.5	0	0	0.0746	0.5	500	92%	70	130	0%	
1,2-Dichloroethane	A	ug/L	12.55104	0.5020416		0.5	0	0	0.116	0.5	500	100%	70	130	0%	
1,2-Dichloropropane	A	ug/L	11.50326	0.4601304		0.5	0	0	0.0847	0.5	500	92%	50	150	0%	
1,3-Dichlorobenzene	A	ug/L	11.51233	0.4604932		0.5	0	0	0.0803	0.5	500	92%	70	130	0%	
1,3-Dichloropropane	A	ug/L	12.39024	0.4956096		0.5	0	0	0.0791	0.5	500	99%	50	150	0%	
1,4-Dichlorobenzene	A	ug/L	11.70084	0.4680336		0.5	0	0	0.0858	0.5	500	94%	70	130	0%	
2,2-Dichloropropane	A	ug/L	12.0798	0.483192		0.5	0	0	0.186	0.5	500	97%	50	150	0%	
2-Chlorotoluene	A	ug/L	11.12433	0.4449732		0.5	0	0	0.0876	0.5	500	89%	50	150	0%	
4-Chlorotoluene	A	ug/L	10.21022	0.4084088		0.5	0	0	0.0728	0.5	500	82%	50	150	0%	
Benzene	A	ug/L	11.72138	0.4688552		0.5	0	0	0.0914	0.5	500	94%	70	130	0%	
Bromobenzene	A	ug/L	11.92659	0.4770636		0.5	0	0	0.0831	0.5	500	95%	50	150	0%	
Bromochloromethane	A	ug/L	12.15138	0.4860552		0.5	0	0	0.141	0.5	500	97%	50	150	0%	
Bromodichloromethane	A	ug/L	12.28616	0.4914464		0.5	0	0	0.12	0.5	500	98%	50	150	0%	
Bromoform	A	ug/L	13.0389	0.521556		0.5	0	0	0.119	0.5	500	104%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993113	ICAL011922_2	VOC-8260-W-Q	CAL2	)A5975C\VG011	1/19/2022 11:15:	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Bromomethane	A	ug/L	12.94988	0.5179952		0.5	0	0	0.253	0.5	500	104%	50	150	0%	
Carbon tetrachloride	A	ug/L	11.30839	0.4523356		0.5	0	0	0.143	0.5	500	90%	50	150	0%	
Chlorobenzene	A	ug/L	11.93316	0.4773264		0.5	0	0	0.0914	0.5	500	95%	50	150	0%	
Chlorodibromomethane	A	ug/L	12.44487	0.4977948		0.5	0	0	0.0841	0.5	500	100%	50	150	0%	
Chloroethane	A	ug/L	12.00958	0.4803832		0.5	0	0	0.169	0.5	500	96%	50	150	0%	
Chloroform	A	ug/L	11.92708	0.4770832		0.5	0	0	0.0789	0.5	500	95%	70	130	0%	
Chloromethane	A	ug/L	12.10942	0.4843768		0.5	0	0	0.162	0.5	500	97%	50	150	0%	
cis-1,2-Dichloroethene	A	ug/L	11.68991	0.4675964		0.5	0	0	0.108	0.5	500	94%	50	150	0%	
cis-1,3-Dichloropropene	A	ug/L	11.6126	0.464504		0.5	0	0	0.073	0.5	500	93%	50	150	0%	
Dibromomethane	A	ug/L	11.74498	0.4697992		0.5	0	0	0.147	0.5	500	94%	50	150	0%	
Dichlorodifluoromethane	A	ug/L	11.7428	0.469712		0.5	0	0	0.175	0.5	500	94%	50	150	0%	
Ethylbenzene	A	ug/L	11.9196	0.476784		0.5	0	0	0.0836	0.5	500	95%	70	130	0%	
m+p-Xylenes	A	ug/L	22.16451	0.8865804		1	0	0	0.15	0.5	1000	89%	70	130	0%	
Methyl ethyl ketone	A	ug/L	123.19473	4.9277892		5	0	0	1.77	10	5000	99%	50	150	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	12.20038	0.4880152		0.5	0	0	0.101	0.5	500	98%	50	150	0%	
Methylene chloride	A	ug/L	13.38833	0.5355332		0.5	0	0	0.338	0.5	500	107%	50	150	0%	
o-Xylene	A	ug/L	11.32344	0.4529376		0.5	0	0	0.0604	0.5	500	91%	70	130	0%	
Styrene	A	ug/L	10.92337	0.4369348		0.5	0	0	0.067	0.5	500	87%	70	130	0%	
Tetrachloroethene	A	ug/L	10.83554	0.4334216		0.5	0	0	0.0671	0.5	500	87%	70	130	0%	
Toluene	A	ug/L	10.7342	0.429368		0.5	0	0	0.0679	0.5	500	86%	70	130	0%	
trans-1,2-Dichloroethene	A	ug/L	12.53264	0.5013056		0.5	0	0	0.125	0.5	500	100%	50	150	0%	
trans-1,3-Dichloropropene	A	ug/L	11.17555	0.447022		0.5	0	0	0.0846	0.5	500	89%	50	150	0%	
Trichloroethene	A	ug/L	11.65772	0.4663088		0.5	0	0	0.0993	0.5	500	93%	50	150	0%	
Trichlorofluoromethane	A	ug/L	12.18881	0.4875524		0.5	0	0	0.134	0.5	500	98%	50	150	0%	
Vinyl chloride	A	ug/L	12.29095	0.491638		0.5	0	0	0.153	0.5	500	98%	50	150	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	50	150	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	50	150	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	50	150	0%	
Xylenes, Total	M	ug/L	33.48795	1.339518		1.5	0	0	0.0604	0.5	1500	89%	70	130	0%	
1,2-Dichloroethane-d4	S	ug/L	12.48825	0.49953		0.5	0	0	0.229	0.5	500	100%	50	150	0%	
Dibromofluoromethane	S	ug/L	12.2386	0.489544		0.5	0	0	0.129	0.5	500	98%	50	150	0%	
p-Bromofluorobenzene	S	ug/L	11.469	0.45876		0.5	0	0	0.149	0.5	500	92%	50	150	0%	
Toluene-d8	S	ug/L	11.09271	0.4437084		0.5	0	0	0.23	0.5	500	89%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist				
14993114	ICAL011922_3	VOC-8260-W-Q	CAL3	)A5975C\VG011	1/19/2022 11:42:	1	R373580		0	0					

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	24.29982	0.9719928		1	0	0	0.101	0.5	500	97%	70	130	0%	
1,1,1-Trichloroethane	A	ug/L	24.59188	0.9836752		1	0	0	0.131	0.5	500	98%	70	130	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	25.26178	1.0104712		1	0	0	0.0872	0.5	500	101%	70	130	0%	
1,1,2-Trichloroethane	A	ug/L	23.98758	0.9595032		1	0	0	0.108	0.5	500	96%	70	130	0%	
1,1-Dichloroethane	A	ug/L	25.32772	1.0131088		1	0	0	0.135	0.5	500	101%	70	130	0%	
1,1-Dichloroethene	A	ug/L	25.12213	1.0048852		1	0	0	0.141	0.5	500	100%	70	130	0%	
1,1-Dichloropropene	A	ug/L	23.25503	0.9302012		1	0	0	0.083	0.5	500	93%	70	130	0%	
1,2,3-Trichloropropane	A	ug/L	25.64354	1.0257416		1	0	0	0.235	0.5	500	103%	70	130	0%	
1,2-Dibromoethane	A	ug/L	25.34313	1.0137252		1	0	0	0.0916	0.5	500	101%	70	130	0%	
1,2-Dichlorobenzene	A	ug/L	25.09561	1.0038244		1	0	0	0.0746	0.5	500	100%	70	130	0%	
1,2-Dichloroethane	A	ug/L	24.11387	0.9645548		1	0	0	0.116	0.5	500	96%	70	130	0%	
1,2-Dichloropropane	A	ug/L	24.05552	0.9622208		1	0	0	0.0847	0.5	500	96%	70	130	0%	
1,3-Dichlorobenzene	A	ug/L	24.74451	0.9897804		1	0	0	0.0803	0.5	500	99%	70	130	0%	
1,3-Dichloropropane	A	ug/L	24.4891	0.979564		1	0	0	0.0791	0.5	500	98%	70	130	0%	
1,4-Dichlorobenzene	A	ug/L	24.93753	0.9975012		1	0	0	0.0858	0.5	500	100%	70	130	0%	
2,2-Dichloropropane	A	ug/L	25.46947	1.0187788		1	0	0	0.186	0.5	500	102%	70	130	0%	
2-Chlorotoluene	A	ug/L	24.60375	0.98415		1	0	0	0.0876	0.5	500	98%	70	130	0%	
4-Chlorotoluene	A	ug/L	23.76256	0.9505024		1	0	0	0.0728	0.5	500	95%	70	130	0%	
Benzene	A	ug/L	23.44421	0.9377684		1	0	0	0.0914	0.5	500	94%	70	130	0%	
Bromobenzene	A	ug/L	24.17617	0.9670468		1	0	0	0.0831	0.5	500	97%	70	130	0%	
Bromochloromethane	A	ug/L	25.29397	1.0117588		1	0	0	0.141	0.5	500	101%	70	130	0%	
Bromodichloromethane	A	ug/L	24.88164	0.9952656		1	0	0	0.12	0.5	500	100%	70	130	0%	
Bromoform	A	ug/L	25.73239	1.0292956		1	0	0	0.119	0.5	500	103%	70	130	0%	
Bromomethane	A	ug/L	26.14002	1.0456008		1	0	0	0.253	0.5	500	105%	70	130	0%	
Carbon tetrachloride	A	ug/L	24.59553	0.9838212		1	0	0	0.143	0.5	500	98%	70	130	0%	
Chlorobenzene	A	ug/L	24.30396	0.9721584		1	0	0	0.0914	0.5	500	97%	70	130	0%	
Chlorodibromomethane	A	ug/L	24.10204	0.9640816		1	0	0	0.0841	0.5	500	96%	70	130	0%	
Chloroethane	A	ug/L	27.05322	1.0821288		1	0	0	0.169	0.5	500	108%	70	130	0%	
Chloroform	A	ug/L	24.01936	0.9607744		1	0	0	0.0789	0.5	500	96%	70	130	0%	
Chloromethane	A	ug/L	26.08603	1.0434412		1	0	0	0.162	0.5	500	104%	70	130	0%	
cis-1,2-Dichloroethene	A	ug/L	24.17583	0.9670332		1	0	0	0.108	0.5	500	97%	70	130	0%	
cis-1,3-Dichloropropene	A	ug/L	22.71108	0.9084432		1	0	0	0.073	0.5	500	91%	70	130	0%	
Dibromomethane	A	ug/L	25.53036	1.0212144		1	0	0	0.147	0.5	500	102%	70	130	0%	
Dichlorodifluoromethane	A	ug/L	25.20923	1.0083692		1	0	0	0.175	0.5	500	101%	70	130	0%	
Ethylbenzene	A	ug/L	24.09209	0.9636836		1	0	0	0.0836	0.5	500	96%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993114	ICAL011922_3	VOC-8260-W-Q	CAL3	)A5975C\VG011	1/19/2022 11:42:	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
m+p-Xylenes	A	ug/L	47.56168	1.9024672		2	0	0	0.15	0.5	1000	95%	70	130	0%	
Methyl ethyl ketone	A	ug/L	232.00881	9.2803524		10	0	0	1.77	10	5000	93%	70	130	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	23.51755	0.940702		1	0	0	0.101	0.5	500	94%	70	130	0%	
Methylene chloride	A	ug/L	27.26568	1.0906272		1	0	0	0.338	0.5	500	109%	70	130	0%	
o-Xylene	A	ug/L	23.38337	0.9353348		1	0	0	0.0604	0.5	500	94%	70	130	0%	
Styrene	A	ug/L	23.22155	0.928862		1	0	0	0.067	0.5	500	93%	70	130	0%	
Tetrachloroethene	A	ug/L	24.98591	0.9994364		1	0	0	0.0671	0.5	500	100%	70	130	0%	
Toluene	A	ug/L	23.1991	0.927964		1	0	0	0.0679	0.5	500	93%	70	130	0%	
trans-1,2-Dichloroethene	A	ug/L	25.11116	1.0044464		1	0	0	0.125	0.5	500	100%	70	130	0%	
trans-1,3-Dichloropropene	A	ug/L	23.21356	0.9285424		1	0	0	0.0846	0.5	500	93%	70	130	0%	
Trichloroethene	A	ug/L	24.33224	0.9732896		1	0	0	0.0993	0.5	500	97%	70	130	0%	
Trichlorofluoromethane	A	ug/L	25.40882	1.0163528		1	0	0	0.134	0.5	500	102%	70	130	0%	
Vinyl chloride	A	ug/L	25.49685	1.019874		1	0	0	0.153	0.5	500	102%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Xylenes, Total	M	ug/L	70.94505	2.837802		3	0	0	0.0604	0.5	1500	95%	70	130	0%	
1,2-Dichloroethane-d4	S	ug/L	25.16748	1.0066992		1	0	0	0.229	0.5	500	101%	70	130	0%	
Dibromofluoromethane	S	ug/L	25.01787	1.0007148		1	0	0	0.129	0.5	500	100%	70	130	0%	
p-Bromofluorobenzene	S	ug/L	24.24738	0.9698952		1	0	0	0.149	0.5	500	97%	70	130	0%	
Toluene-d8	S	ug/L	23.00531	0.9202124		1	0	0	0.23	0.5	500	92%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993115	ICAL011922_4	VOC-8260-W-Q	CAL4	)A5975C\VG011	1/19/2022 12:09:	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	46.87757	1.8751028		2	0	0	0.101	0.5	500	94%	70	130	0%	
1,1,1-Trichloroethane	A	ug/L	48.19441	1.9277764		2	0	0	0.131	0.5	500	96%	70	130	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	50.15311	2.0061244		2	0	0	0.0872	0.5	500	100%	70	130	0%	
1,1,2-Trichloroethane	A	ug/L	47.51097	1.9004388		2	0	0	0.108	0.5	500	95%	70	130	0%	
1,1-Dichloroethane	A	ug/L	48.16509	1.9266036		2	0	0	0.135	0.5	500	96%	70	130	0%	
1,1-Dichloroethene	A	ug/L	47.66551	1.9066204		2	0	0	0.141	0.5	500	95%	70	130	0%	
1,1-Dichloropropene	A	ug/L	44.64836	1.7859344		2	0	0	0.083	0.5	500	89%	70	130	0%	
1,2,3-Trichloropropane	A	ug/L	47.9073	1.916292		2	0	0	0.235	0.5	500	96%	70	130	0%	
1,2-Dibromoethane	A	ug/L	46.21521	1.8486084		2	0	0	0.0916	0.5	500	92%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist				
14993115	ICAL011922_4	VOC-8260-W-Q	CAL4	)A5975C\VG011	1/19/2022 12:09:	1	R373580		0	0					

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichlorobenzene	A	ug/L	45.71628	1.8286512		2	0	0	0.0746	0.5	500	91%	70	130	0%	
1,2-Dichloroethane	A	ug/L	48.93365	1.957346		2	0	0	0.116	0.5	500	98%	70	130	0%	
1,2-Dichloropropane	A	ug/L	46.1437	1.845748		2	0	0	0.0847	0.5	500	92%	70	130	0%	
1,3-Dichlorobenzene	A	ug/L	47.20101	1.8880404		2	0	0	0.0803	0.5	500	94%	70	130	0%	
1,3-Dichloropropane	A	ug/L	46.55683	1.8622732		2	0	0	0.0791	0.5	500	93%	70	130	0%	
1,4-Dichlorobenzene	A	ug/L	45.63319	1.8253276		2	0	0	0.0858	0.5	500	91%	70	130	0%	
2,2-Dichloropropane	A	ug/L	47.95819	1.9183276		2	0	0	0.186	0.5	500	96%	70	130	0%	
2-Chlorotoluene	A	ug/L	43.82762	1.7531048		2	0	0	0.0876	0.5	500	88%	70	130	0%	
4-Chlorotoluene	A	ug/L	45.74521	1.8298084		2	0	0	0.0728	0.5	500	91%	70	130	0%	
Benzene	A	ug/L	46.4135	1.85654		2	0	0	0.0914	0.5	500	93%	70	130	0%	
Bromobenzene	A	ug/L	46.29672	1.8518688		2	0	0	0.0831	0.5	500	93%	70	130	0%	
Bromochloromethane	A	ug/L	48.86136	1.9544544		2	0	0	0.141	0.5	500	98%	70	130	0%	
Bromodichloromethane	A	ug/L	46.66744	1.8666976		2	0	0	0.12	0.5	500	93%	70	130	0%	
Bromoform	A	ug/L	46.23167	1.8492668		2	0	0	0.119	0.5	500	92%	70	130	0%	
Bromomethane	A	ug/L	48.05999	1.9223996		2	0	0	0.253	0.5	500	96%	70	130	0%	
Carbon tetrachloride	A	ug/L	47.36264	1.8945056		2	0	0	0.143	0.5	500	95%	70	130	0%	
Chlorobenzene	A	ug/L	46.72829	1.8691316		2	0	0	0.0914	0.5	500	93%	70	130	0%	
Chlorodibromomethane	A	ug/L	46.00583	1.8402332		2	0	0	0.0841	0.5	500	92%	70	130	0%	
Chloroethane	A	ug/L	48.33063	1.9332252		2	0	0	0.169	0.5	500	97%	70	130	0%	
Chloroform	A	ug/L	47.31287	1.8925148		2	0	0	0.0789	0.5	500	95%	70	130	0%	
Chloromethane	A	ug/L	49.62746	1.9850984		2	0	0	0.162	0.5	500	99%	70	130	0%	
cis-1,2-Dichloroethene	A	ug/L	46.09973	1.8439892		2	0	0	0.108	0.5	500	92%	70	130	0%	
cis-1,3-Dichloropropene	A	ug/L	43.36449	1.7345796		2	0	0	0.073	0.5	500	87%	70	130	0%	
Dibromomethane	A	ug/L	47.76659	1.9106636		2	0	0	0.147	0.5	500	96%	70	130	0%	
Dichlorodifluoromethane	A	ug/L	47.76052	1.9104208		2	0	0	0.175	0.5	500	96%	70	130	0%	
Ethylbenzene	A	ug/L	44.73374	1.7893496		2	0	0	0.0836	0.5	500	89%	70	130	0%	
m+p-Xylenes	A	ug/L	89.33288	3.5733152		4	0	0	0.15	0.5	1000	89%	70	130	0%	
Methyl ethyl ketone	A	ug/L	474.78207	18.9912828		20	0	0	1.77	10	5000	95%	70	130	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	47.39841	1.8959364		2	0	0	0.101	0.5	500	95%	70	130	0%	
Methylene chloride	A	ug/L	49.36125	1.97445		2	0	0	0.338	0.5	500	99%	70	130	0%	
o-Xylene	A	ug/L	44.23203	1.7692812		2	0	0	0.0604	0.5	500	88%	70	130	0%	
Styrene	A	ug/L	44.29737	1.7718948		2	0	0	0.067	0.5	500	89%	70	130	0%	
Tetrachloroethene	A	ug/L	46.08198	1.8432792		2	0	0	0.0671	0.5	500	92%	70	130	0%	
Toluene	A	ug/L	44.66304	1.7865216		2	0	0	0.0679	0.5	500	89%	70	130	0%	
trans-1,2-Dichloroethene	A	ug/L	46.24552	1.8498208		2	0	0	0.125	0.5	500	92%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993115	ICAL011922_4	VOC-8260-W-Q	CAL4	)A5975C\VG011	1/19/2022 12:09:	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
trans-1,3-Dichloropropene	A	ug/L	45.22155	1.808862		2	0	0	0.0846	0.5	500	90%	70	130	0%	
Trichloroethene	A	ug/L	46.31489	1.8525956		2	0	0	0.0993	0.5	500	93%	70	130	0%	
Trichlorofluoromethane	A	ug/L	47.3799	1.895196		2	0	0	0.134	0.5	500	95%	70	130	0%	
Vinyl chloride	A	ug/L	47.71052	1.9084208		2	0	0	0.153	0.5	500	95%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Xylenes, Total	M	ug/L	133.56491	5.3425964		6	0	0	0.0604	0.5	1500	89%	70	130	0%	
1,2-Dichloroethane-d4	S	ug/L	48.68311	1.9473244		2	0	0	0.229	0.5	500	97%	70	130	0%	
Dibromofluoromethane	S	ug/L	49.23347	1.9693388		2	0	0	0.129	0.5	500	98%	70	130	0%	
p-Bromofluorobenzene	S	ug/L	46.4666	1.858664		2	0	0	0.149	0.5	500	93%	70	130	0%	
Toluene-d8	S	ug/L	45.84352	1.8337408		2	0	0	0.23	0.5	500	92%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993116	ICAL011922_5	VOC-8260-W-Q	CAL5	)A5975C\VG011	1/19/2022 1:04:2	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	122.79511	4.9118044		5	0	0	0.101	0.5	500	98%	70	130	0%	
1,1,1-Trichloroethane	A	ug/L	123.8043	4.952172		5	0	0	0.131	0.5	500	99%	70	130	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	121.31807	4.8527228		5	0	0	0.0872	0.5	500	97%	70	130	0%	
1,1,2-Trichloroethane	A	ug/L	125.78237	5.0312948		5	0	0	0.108	0.5	500	101%	70	130	0%	
1,1-Dichloroethane	A	ug/L	123.80376	4.9521504		5	0	0	0.135	0.5	500	99%	70	130	0%	
1,1-Dichloroethene	A	ug/L	122.95963	4.9183852		5	0	0	0.141	0.5	500	98%	70	130	0%	
1,1-Dichloropropene	A	ug/L	125.9718	5.038872		5	0	0	0.083	0.5	500	101%	70	130	0%	
1,2,3-Trichloropropane	A	ug/L	120.56102	4.8224408		5	0	0	0.235	0.5	500	96%	70	130	0%	
1,2-Dibromoethane	A	ug/L	126.20468	5.0481872		5	0	0	0.0916	0.5	500	101%	70	130	0%	
1,2-Dichlorobenzene	A	ug/L	123.95073	4.9580292		5	0	0	0.0746	0.5	500	99%	70	130	0%	
1,2-Dichloroethane	A	ug/L	115.6442	4.625768		5	0	0	0.116	0.5	500	93%	70	130	0%	
1,2-Dichloropropane	A	ug/L	122.95886	4.9183544		5	0	0	0.0847	0.5	500	98%	70	130	0%	
1,3-Dichlorobenzene	A	ug/L	122.19059	4.8876236		5	0	0	0.0803	0.5	500	98%	70	130	0%	
1,3-Dichloropropane	A	ug/L	119.39501	4.7758004		5	0	0	0.0791	0.5	500	96%	70	130	0%	
1,4-Dichlorobenzene	A	ug/L	123.13122	4.9252488		5	0	0	0.0858	0.5	500	99%	70	130	0%	
2,2-Dichloropropane	A	ug/L	122.57363	4.9029452		5	0	0	0.186	0.5	500	98%	70	130	0%	
2-Chlorotoluene	A	ug/L	127.39561	5.0958244		5	0	0	0.0876	0.5	500	102%	70	130	0%	
4-Chlorotoluene	A	ug/L	129.55214	5.1820856		5	0	0	0.0728	0.5	500	104%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist				
14993116	ICAL011922_5	VOC-8260-W-Q	CAL5	)A5975C\VG011	1/19/2022 1:04:2	1	R373580		0	0					

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzene	A	ug/L	124.45449	4.9781796		5	0	0	0.0914	0.5	500	100%	70	130	0%	
Bromobenzene	A	ug/L	124.53646	4.9814584		5	0	0	0.0831	0.5	500	100%	70	130	0%	
Bromochloromethane	A	ug/L	124.02581	4.9610324		5	0	0	0.141	0.5	500	99%	70	130	0%	
Bromodichloromethane	A	ug/L	121.22551	4.8490204		5	0	0	0.12	0.5	500	97%	70	130	0%	
Bromoform	A	ug/L	120.91579	4.8366316		5	0	0	0.119	0.5	500	97%	70	130	0%	
Bromomethane	A	ug/L	112.181	4.48724		5	0	0	0.253	0.5	500	90%	70	130	0%	
Carbon tetrachloride	A	ug/L	123.95204	4.9580816		5	0	0	0.143	0.5	500	99%	70	130	0%	
Chlorobenzene	A	ug/L	122.81845	4.912738		5	0	0	0.0914	0.5	500	98%	70	130	0%	
Chlorodibromomethane	A	ug/L	123.07292	4.9229168		5	0	0	0.0841	0.5	500	98%	70	130	0%	
Chloroethane	A	ug/L	112.26554	4.4906216		5	0	0	0.169	0.5	500	90%	70	130	0%	
Chloroform	A	ug/L	118.32456	4.7329824		5	0	0	0.0789	0.5	500	95%	70	130	0%	
Chloromethane	A	ug/L	125.79911	5.0319644		5	0	0	0.162	0.5	500	101%	70	130	0%	
cis-1,2-Dichloroethene	A	ug/L	125.52039	5.0208156		5	0	0	0.108	0.5	500	100%	70	130	0%	
cis-1,3-Dichloropropene	A	ug/L	123.40028	4.9360112		5	0	0	0.073	0.5	500	99%	70	130	0%	
Dibromomethane	A	ug/L	121.7998	4.871992		5	0	0	0.147	0.5	500	97%	70	130	0%	
Dichlorodifluoromethane	A	ug/L	129.1152	5.164608		5	0	0	0.175	0.5	500	103%	70	130	0%	
Ethylbenzene	A	ug/L	123.10214	4.9240856		5	0	0	0.0836	0.5	500	98%	70	130	0%	
m+p-Xylenes	A	ug/L	248.10484	9.9241936		10	0	0	0.15	0.5	1000	99%	70	130	0%	
Methyl ethyl ketone	A	ug/L	1186.51975	47.46079		50	0	0	1.77	10	5000	95%	70	130	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	123.46483	4.9385932		5	0	0	0.101	0.5	500	99%	70	130	0%	
Methylene chloride	A	ug/L	120.03953	4.8015812		5	0	0	0.338	0.5	500	96%	70	130	0%	
o-Xylene	A	ug/L	125.18718	5.0074872		5	0	0	0.0604	0.5	500	100%	70	130	0%	
Styrene	A	ug/L	123.7696	4.950784		5	0	0	0.067	0.5	500	99%	70	130	0%	
Tetrachloroethene	A	ug/L	125.30349	5.0121396		5	0	0	0.0671	0.5	500	100%	70	130	0%	
Toluene	A	ug/L	125.42915	5.017166		5	0	0	0.0679	0.5	500	100%	70	130	0%	
trans-1,2-Dichloroethene	A	ug/L	124.2147	4.968588		5	0	0	0.125	0.5	500	99%	70	130	0%	
trans-1,3-Dichloropropene	A	ug/L	124.62799	4.9851196		5	0	0	0.0846	0.5	500	100%	70	130	0%	
Trichloroethene	A	ug/L	121.80953	4.8723812		5	0	0	0.0993	0.5	500	97%	70	130	0%	
Trichlorofluoromethane	A	ug/L	131.0926	5.243704		5	0	0	0.134	0.5	500	105%	70	130	0%	
Vinyl chloride	A	ug/L	124.84079	4.9936316		5	0	0	0.153	0.5	500	100%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Xylenes, Total	M	ug/L	373.29202	14.9316808		15	0	0	0.0604	0.5	1500	100%	70	130	0%	
1,2-Dichloroethane-d4	S	ug/L	126.73026	5.0692104		5	0	0	0.229	0.5	500	101%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993116	ICAL011922_5	VOC-8260-W-Q	CAL5	)A5975C\VG011	1/19/2022 1:04:2	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Dibromofluoromethane	S	ug/L	121.8025	4.8721		5	0	0	0.129	0.5	500	97%	70	130	0%	
p-Bromofluorobenzene	S	ug/L	125.01888	5.0007552		5	0	0	0.149	0.5	500	100%	70	130	0%	
Toluene-d8	S	ug/L	128.03806	5.1215224		5	0	0	0.23	0.5	500	102%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993117	ICAL011922_6	VOC-8260-W-Q	CAL6	)A5975C\VG011	1/19/2022 1:58:4	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	263.1086	10.524344		10	0	0	0.101	0.5	500	105%	70	130	0%	
1,1,1-Trichloroethane	A	ug/L	264.43182	10.5772728		10	0	0	0.131	0.5	500	106%	70	130	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	256.80676	10.2722704		10	0	0	0.0872	0.5	500	103%	70	130	0%	
1,1,2-Trichloroethane	A	ug/L	260.6902	10.427608		10	0	0	0.108	0.5	500	104%	70	130	0%	
1,1-Dichloroethane	A	ug/L	260.03776	10.4015104		10	0	0	0.135	0.5	500	104%	70	130	0%	
1,1-Dichloroethene	A	ug/L	265.38957	10.6155828		10	0	0	0.141	0.5	500	106%	70	130	0%	
1,1-Dichloropropene	A	ug/L	275.64546	11.0258184		10	0	0	0.083	0.5	500	110%	70	130	0%	
1,2,3-Trichloropropane	A	ug/L	264.34203	10.5736812		10	0	0	0.235	0.5	500	106%	70	130	0%	
1,2-Dibromoethane	A	ug/L	265.92909	10.6371636		10	0	0	0.0916	0.5	500	106%	70	130	0%	
1,2-Dichlorobenzene	A	ug/L	265.45139	10.6180556		10	0	0	0.0746	0.5	500	106%	70	130	0%	
1,2-Dichloroethane	A	ug/L	245.44039	9.8176156		10	0	0	0.116	0.5	500	98%	70	130	0%	
1,2-Dichloropropane	A	ug/L	268.02802	10.7211208		10	0	0	0.0847	0.5	500	107%	70	130	0%	
1,3-Dichlorobenzene	A	ug/L	264.23691	10.5694764		10	0	0	0.0803	0.5	500	106%	70	130	0%	
1,3-Dichloropropane	A	ug/L	260.4297	10.417188		10	0	0	0.0791	0.5	500	104%	70	130	0%	
1,4-Dichlorobenzene	A	ug/L	260.21395	10.408558		10	0	0	0.0858	0.5	500	104%	70	130	0%	
2,2-Dichloropropane	A	ug/L	258.89815	10.355926		10	0	0	0.186	0.5	500	104%	70	130	0%	
2-Chlorotoluene	A	ug/L	274.60299	10.9841196		10	0	0	0.0876	0.5	500	110%	70	130	0%	
4-Chlorotoluene	A	ug/L	278.6073	11.144292		10	0	0	0.0728	0.5	500	111%	70	130	0%	
Benzene	A	ug/L	263.37887	10.5351548		10	0	0	0.0914	0.5	500	105%	70	130	0%	
Bromobenzene	A	ug/L	267.41392	10.6965568		10	0	0	0.0831	0.5	500	107%	70	130	0%	
Bromochloromethane	A	ug/L	262.8745	10.51498		10	0	0	0.141	0.5	500	105%	70	130	0%	
Bromodichloromethane	A	ug/L	260.10154	10.4040616		10	0	0	0.12	0.5	500	104%	70	130	0%	
Bromoform	A	ug/L	255.81511	10.2326044		10	0	0	0.119	0.5	500	102%	70	130	0%	
Bromomethane	A	ug/L	264.99935	10.599974		10	0	0	0.253	0.5	500	106%	70	130	0%	
Carbon tetrachloride	A	ug/L	266.17534	10.6470136		10	0	0	0.143	0.5	500	106%	70	130	0%	
Chlorobenzene	A	ug/L	263.10993	10.5243972		10	0	0	0.0914	0.5	500	105%	70	130	0%	
Chlorodibromomethane	A	ug/L	261.4293	10.457172		10	0	0	0.0841	0.5	500	105%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993117	ICAL011922_6	VOC-8260-W-Q	CAL6	)A5975C\VG011	1/19/2022 1:58:4	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloroethane	A	ug/L	286.46073	11.4584292		10	0	0	0.169	0.5	500	115%	70	130	0%	
Chloroform	A	ug/L	247.58044	9.9032176		10	0	0	0.0789	0.5	500	99%	70	130	0%	
Chloromethane	A	ug/L	250.29568	10.0118272		10	0	0	0.162	0.5	500	100%	70	130	0%	
cis-1,2-Dichloroethene	A	ug/L	264.30406	10.5721624		10	0	0	0.108	0.5	500	106%	70	130	0%	
cis-1,3-Dichloropropene	A	ug/L	272.72128	10.9088512		10	0	0	0.073	0.5	500	109%	70	130	0%	
Dibromomethane	A	ug/L	263.54118	10.5416472		10	0	0	0.147	0.5	500	105%	70	130	0%	
Dichlorodifluoromethane	A	ug/L	259.14165	10.365666		10	0	0	0.175	0.5	500	104%	70	130	0%	
Ethylbenzene	A	ug/L	259.56366	10.3825464		10	0	0	0.0836	0.5	500	104%	70	130	0%	
m+p-Xylenes	A	ug/L	520.92181	20.8368724		20	0	0	0.15	0.5	1000	104%	70	130	0%	
Methyl ethyl ketone	A	ug/L	2621.91595	104.876638		100	0	0	1.77	10	5000	105%	70	130	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	260.74156	10.4296624		10	0	0	0.101	0.5	500	104%	70	130	0%	
Methylene chloride	A	ug/L	242.95313	9.7181252		10	0	0	0.338	0.5	500	97%	70	130	0%	
o-Xylene	A	ug/L	257.92761	10.3171044		10	0	0	0.0604	0.5	500	103%	70	130	0%	
Styrene	A	ug/L	261.64734	10.4658936		10	0	0	0.067	0.5	500	105%	70	130	0%	
Tetrachloroethene	A	ug/L	263.51697	10.5406788		10	0	0	0.0671	0.5	500	105%	70	130	0%	
Toluene	A	ug/L	270.88303	10.8353212		10	0	0	0.0679	0.5	500	108%	70	130	0%	
trans-1,2-Dichloroethene	A	ug/L	257.35306	10.2941224		10	0	0	0.125	0.5	500	103%	70	130	0%	
trans-1,3-Dichloropropene	A	ug/L	268.88454	10.7553816		10	0	0	0.0846	0.5	500	108%	70	130	0%	
Trichloroethene	A	ug/L	266.30721	10.6522884		10	0	0	0.0993	0.5	500	107%	70	130	0%	
Trichlorofluoromethane	A	ug/L	251.01004	10.0404016		10	0	0	0.134	0.5	500	100%	70	130	0%	
Vinyl chloride	A	ug/L	259.06637	10.3626548		10	0	0	0.153	0.5	500	104%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Xylenes, Total	M	ug/L	778.84942	31.1539768		30	0	0	0.0604	0.5	1500	104%	70	130	0%	
1,2-Dichloroethane-d4	S	ug/L	253.93359	10.1573436		10	0	0	0.229	0.5	500	102%	70	130	0%	
Dibromofluoromethane	S	ug/L	261.68206	10.4672824		10	0	0	0.129	0.5	500	105%	70	130	0%	
p-Bromofluorobenzene	S	ug/L	268.52656	10.7410624		10	0	0	0.149	0.5	500	107%	70	130	0%	
Toluene-d8	S	ug/L	272.28351	10.8913404		10	0	0	0.23	0.5	500	109%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993118	ICAL011922_7	VOC-8260-W-Q	CAL7	)A5975C\VG011	1/19/2022 2:53:1	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist				
14993118	ICAL011922_7	VOC-8260-W-Q	CAL7	)A5975C\VG011	1/19/2022 2:53:1	1	R373580		0	0					

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	395.11271	15.8045084		15	0	0	0.101	0.5	500	105%	70	130	0%	
1,1,1-Trichloroethane	A	ug/L	384.82827	15.3931308		15	0	0	0.131	0.5	500	103%	70	130	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	373.82831	14.9531324		15	0	0	0.0872	0.5	500	100%	70	130	0%	
1,1,2-Trichloroethane	A	ug/L	395.05316	15.8021264		15	0	0	0.108	0.5	500	105%	70	130	0%	
1,1-Dichloroethane	A	ug/L	378.39611	15.1358444		15	0	0	0.135	0.5	500	101%	70	130	0%	
1,1-Dichloroethene	A	ug/L	382.35444	15.2941776		15	0	0	0.141	0.5	500	102%	70	130	0%	
1,1-Dichloropropene	A	ug/L	409.14804	16.3659216		15	0	0	0.083	0.5	500	109%	70	130	0%	
1,2,3-Trichloropropane	A	ug/L	376.5948	15.063792		15	0	0	0.235	0.5	500	100%	70	130	0%	
1,2-Dibromoethane	A	ug/L	395.10621	15.8042484		15	0	0	0.0916	0.5	500	105%	70	130	0%	
1,2-Dichlorobenzene	A	ug/L	386.59304	15.4637216		15	0	0	0.0746	0.5	500	103%	70	130	0%	
1,2-Dichloroethane	A	ug/L	373.42195	14.936878		15	0	0	0.116	0.5	500	100%	70	130	0%	
1,2-Dichloropropane	A	ug/L	401.58544	16.0634176		15	0	0	0.0847	0.5	500	107%	70	130	0%	
1,3-Dichlorobenzene	A	ug/L	385.60331	15.4241324		15	0	0	0.0803	0.5	500	103%	70	130	0%	
1,3-Dichloropropane	A	ug/L	396.07721	15.8430884		15	0	0	0.0791	0.5	500	106%	70	130	0%	
1,4-Dichlorobenzene	A	ug/L	380.66062	15.2264248		15	0	0	0.0858	0.5	500	102%	70	130	0%	
2,2-Dichloropropane	A	ug/L	382.15371	15.2861484		15	0	0	0.186	0.5	500	102%	70	130	0%	
2-Chlorotoluene	A	ug/L	395.55888	15.8223552		15	0	0	0.0876	0.5	500	105%	70	130	0%	
4-Chlorotoluene	A	ug/L	403.67075	16.14683		15	0	0	0.0728	0.5	500	108%	70	130	0%	
Benzene	A	ug/L	392.49506	15.6998024		15	0	0	0.0914	0.5	500	105%	70	130	0%	
Bromobenzene	A	ug/L	387.26596	15.4906384		15	0	0	0.0831	0.5	500	103%	70	130	0%	
Bromochloromethane	A	ug/L	379.27949	15.1711796		15	0	0	0.141	0.5	500	101%	70	130	0%	
Bromodichloromethane	A	ug/L	392.2653	15.690612		15	0	0	0.12	0.5	500	105%	70	130	0%	
Bromoform	A	ug/L	374.34382	14.9737528		15	0	0	0.119	0.5	500	100%	70	130	0%	
Bromomethane	A	ug/L	380.37666	15.2150664		15	0	0	0.253	0.5	500	101%	70	130	0%	
Carbon tetrachloride	A	ug/L	388.77442	15.5509768		15	0	0	0.143	0.5	500	104%	70	130	0%	
Chlorobenzene	A	ug/L	397.30881	15.8923524		15	0	0	0.0914	0.5	500	106%	70	130	0%	
Chlorodibromomethane	A	ug/L	394.19912	15.7679648		15	0	0	0.0841	0.5	500	105%	70	130	0%	
Chloroethane	A	ug/L	382.26624	15.2906496		15	0	0	0.169	0.5	500	102%	70	130	0%	
Chloroform	A	ug/L	369.36545	14.774618		15	0	0	0.0789	0.5	500	98%	70	130	0%	
Chloromethane	A	ug/L	373.55808	14.9423232		15	0	0	0.162	0.5	500	100%	70	130	0%	
cis-1,2-Dichloroethene	A	ug/L	392.49951	15.6999804		15	0	0	0.108	0.5	500	105%	70	130	0%	
cis-1,3-Dichloropropene	A	ug/L	413.10617	16.5242468		15	0	0	0.073	0.5	500	110%	70	130	0%	
Dibromomethane	A	ug/L	388.24814	15.5299256		15	0	0	0.147	0.5	500	104%	70	130	0%	
Dichlorodifluoromethane	A	ug/L	376.2647	15.050588		15	0	0	0.175	0.5	500	100%	70	130	0%	
Ethylbenzene	A	ug/L	381.44832	15.2579328		15	0	0	0.0836	0.5	500	102%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993118	ICAL011922_7	VOC-8260-W-Q	CAL7	)A5975C\VG011	1/19/2022 2:53:1	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
m+p-Xylenes	A	ug/L	762.45088	30.4980352		30	0	0	0.15	0.5	1000	102%	70	130	0%	
Methyl ethyl ketone	A	ug/L	3961.28713	158.451485		150	0	0	1.77	10	5000	106%	70	130	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	389.6885	15.58754		15	0	0	0.101	0.5	500	104%	70	130	0%	
Methylene chloride	A	ug/L	359.82049	14.3928196		15	0	0	0.338	0.5	500	96%	70	130	0%	
o-Xylene	A	ug/L	384.01575	15.36063		15	0	0	0.0604	0.5	500	102%	70	130	0%	
Styrene	A	ug/L	382.73821	15.3095284		15	0	0	0.067	0.5	500	102%	70	130	0%	
Tetrachloroethene	A	ug/L	393.42479	15.7369916		15	0	0	0.0671	0.5	500	105%	70	130	0%	
Toluene	A	ug/L	410.14612	16.4058448		15	0	0	0.0679	0.5	500	109%	70	130	0%	
trans-1,2-Dichloroethene	A	ug/L	382.96484	15.3185936		15	0	0	0.125	0.5	500	102%	70	130	0%	
trans-1,3-Dichloropropene	A	ug/L	414.16774	16.5667096		15	0	0	0.0846	0.5	500	110%	70	130	0%	
Trichloroethene	A	ug/L	400.28495	16.011398		15	0	0	0.0993	0.5	500	107%	70	130	0%	
Trichlorofluoromethane	A	ug/L	368.02903	14.7211612		15	0	0	0.134	0.5	500	98%	70	130	0%	
Vinyl chloride	A	ug/L	371.90211	14.8760844		15	0	0	0.153	0.5	500	99%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Xylenes, Total	M	ug/L	1146.46663	45.8586652		45	0	0	0.0604	0.5	1500	102%	70	130	0%	
1,2-Dichloroethane-d4	S	ug/L	372.17398	14.8869592		15	0	0	0.229	0.5	500	99%	70	130	0%	
Dibromofluoromethane	S	ug/L	375.7157	15.028628		15	0	0	0.129	0.5	500	100%	70	130	0%	
p-Bromofluorobenzene	S	ug/L	392.51572	15.7006288		15	0	0	0.149	0.5	500	105%	70	130	0%	
Toluene-d8	S	ug/L	408.33456	16.3333824		15	0	0	0.23	0.5	500	109%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993119	ICAL011922_8	VOC-8260-W-Q	CAL8	)A5975C\VG011	1/19/2022 3:47:4	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	519.50104	20.7800416		20	0	0	0.101	0.5	500	104%	70	130	0%	
1,1,1-Trichloroethane	A	ug/L	526.99477	21.0797908		20	0	0	0.131	0.5	500	105%	70	130	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	503.77463	20.1509852		20	0	0	0.0872	0.5	500	101%	70	130	0%	
1,1,2-Trichloroethane	A	ug/L	515.71916	20.6287664		20	0	0	0.108	0.5	500	103%	70	130	0%	
1,1-Dichloroethane	A	ug/L	518.00352	20.7201408		20	0	0	0.135	0.5	500	104%	70	130	0%	
1,1-Dichloroethene	A	ug/L	520.88026	20.8352104		20	0	0	0.141	0.5	500	104%	70	130	0%	
1,1-Dichloropropene	A	ug/L	561.8648	22.474592		20	0	0	0.083	0.5	500	112%	70	130	0%	
1,2,3-Trichloropropane	A	ug/L	499.70182	19.9880728		20	0	0	0.235	0.5	500	100%	70	130	0%	
1,2-Dibromoethane	A	ug/L	518.73322	20.7493288		20	0	0	0.0916	0.5	500	104%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993119	ICAL011922_8	VOC-8260-W-Q	CAL8	)A5975C\VG011	1/19/2022 3:47:4	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichlorobenzene	A	ug/L	524.03363	20.9613452		20	0	0	0.0746	0.5	500	105%	70	130	0%	
1,2-Dichloroethane	A	ug/L	494.90571	19.7962284		20	0	0	0.116	0.5	500	99%	70	130	0%	
1,2-Dichloropropane	A	ug/L	533.98337	21.3593348		20	0	0	0.0847	0.5	500	107%	70	130	0%	
1,3-Dichlorobenzene	A	ug/L	519.90292	20.7961168		20	0	0	0.0803	0.5	500	104%	70	130	0%	
1,3-Dichloropropane	A	ug/L	522.49769	20.8999076		20	0	0	0.0791	0.5	500	104%	70	130	0%	
1,4-Dichlorobenzene	A	ug/L	512.39362	20.4957448		20	0	0	0.0858	0.5	500	102%	70	130	0%	
2,2-Dichloropropane	A	ug/L	510.2077	20.408308		20	0	0	0.186	0.5	500	102%	70	130	0%	
2-Chlorotoluene	A	ug/L	538.47525	21.53901		20	0	0	0.0876	0.5	500	108%	70	130	0%	
4-Chlorotoluene	A	ug/L	545.23705	21.809482		20	0	0	0.0728	0.5	500	109%	70	130	0%	
Benzene	A	ug/L	523.44718	20.9378872		20	0	0	0.0914	0.5	500	105%	70	130	0%	
Bromobenzene	A	ug/L	527.11761	21.0847044		20	0	0	0.0831	0.5	500	105%	70	130	0%	
Bromochloromethane	A	ug/L	491.89341	19.6757364		20	0	0	0.141	0.5	500	98%	70	130	0%	
Bromodichloromethane	A	ug/L	516.12107	20.6448428		20	0	0	0.12	0.5	500	103%	70	130	0%	
Bromoform	A	ug/L	507.06116	20.2824464		20	0	0	0.119	0.5	500	101%	70	130	0%	
Bromomethane	A	ug/L	492.37196	19.6948784		20	0	0	0.253	0.5	500	98%	70	130	0%	
Carbon tetrachloride	A	ug/L	535.60256	21.4241024		20	0	0	0.143	0.5	500	107%	70	130	0%	
Chlorobenzene	A	ug/L	522.07254	20.8829016		20	0	0	0.0914	0.5	500	104%	70	130	0%	
Chlorodibromomethane	A	ug/L	519.35718	20.7742872		20	0	0	0.0841	0.5	500	104%	70	130	0%	
Chloroethane	A	ug/L	463.57413	18.5429652		20	0	0	0.169	0.5	500	93%	70	130	0%	
Chloroform	A	ug/L	495.30446	19.8121784		20	0	0	0.0789	0.5	500	99%	70	130	0%	
Chloromethane	A	ug/L	495.76266	19.8305064		20	0	0	0.162	0.5	500	99%	70	130	0%	
cis-1,2-Dichloroethene	A	ug/L	533.86717	21.3546868		20	0	0	0.108	0.5	500	107%	70	130	0%	
cis-1,3-Dichloropropene	A	ug/L	557.77754	22.3111016		20	0	0	0.073	0.5	500	112%	70	130	0%	
Dibromomethane	A	ug/L	509.98176	20.3992704		20	0	0	0.147	0.5	500	102%	70	130	0%	
Dichlorodifluoromethane	A	ug/L	512.06782	20.4827128		20	0	0	0.175	0.5	500	102%	70	130	0%	
Ethylbenzene	A	ug/L	492.0069	19.680276		20	0	0	0.0836	0.5	500	98%	70	130	0%	
m+p-Xylenes	A	ug/L	982.95572	39.3182288		40	0	0	0.15	0.5	1000	98%	70	130	0%	
Methyl ethyl ketone	A	ug/L	5412.58688	216.503475		200	0	0	1.77	10	5000	108%	70	130	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	532.72265	21.308906		20	0	0	0.101	0.5	500	107%	70	130	0%	
Methylene chloride	A	ug/L	479.71594	19.1886376		20	0	0	0.338	0.5	500	96%	70	130	0%	
o-Xylene	A	ug/L	490.56964	19.6227856		20	0	0	0.0604	0.5	500	98%	70	130	0%	
Styrene	A	ug/L	489.99584	19.5998336		20	0	0	0.067	0.5	500	98%	70	130	0%	
Tetrachloroethene	A	ug/L	528.40897	21.1363588		20	0	0	0.0671	0.5	500	106%	70	130	0%	
Toluene	A	ug/L	539.67631	21.5870524		20	0	0	0.0679	0.5	500	108%	70	130	0%	
trans-1,2-Dichloroethene	A	ug/L	511.83133	20.4732532		20	0	0	0.125	0.5	500	102%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993119	ICAL011922_8	VOC-8260-W-Q	CAL8	)A5975C\VG011	1/19/2022 3:47:4	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
trans-1,3-Dichloropropene	A	ug/L	547.98665	21.919466		20	0	0	0.0846	0.5	500	110%	70	130	0%	
Trichloroethene	A	ug/L	530.332	21.21328		20	0	0	0.0993	0.5	500	106%	70	130	0%	
Trichlorofluoromethane	A	ug/L	513.3762	20.535048		20	0	0	0.134	0.5	500	103%	70	130	0%	
Vinyl chloride	A	ug/L	507.95433	20.3181732		20	0	0	0.153	0.5	500	102%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	70	130	0%	
Xylenes, Total	M	ug/L	1473.52536	58.9410144		60	0	0	0.0604	0.5	1500	98%	70	130	0%	
1,2-Dichloroethane-d4	S	ug/L	499.26904	19.9707616		20	0	0	0.229	0.5	500	100%	70	130	0%	
Dibromofluoromethane	S	ug/L	506.23568	20.2494272		20	0	0	0.129	0.5	500	101%	70	130	0%	
p-Bromofluorobenzene	S	ug/L	531.14356	21.2457424		20	0	0	0.149	0.5	500	106%	70	130	0%	
Toluene-d8	S	ug/L	536.58503	21.4634012		20	0	0	0.23	0.5	500	107%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993120	ICV011922_	VOC-8260-W-Q	ICV	)A5975C\VG011	1/19/2022 4:42:1	1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	121.14346	4.8457384		5	0	0	0.101	0.5	500	97%	80	120	0%	
1,1,1-Trichloroethane	A	ug/L	123.10323	4.9241292		5	0	0	0.131	0.5	500	98%	80	120	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	123.71034	4.9484136		5	0	0	0.0872	0.5	500	99%	80	120	0%	
1,1,2-Trichloroethane	A	ug/L	122.33255	4.893302		5	0	0	0.108	0.5	500	98%	80	120	0%	
1,1-Dichloroethane	A	ug/L	126.68152	5.0672608		5	0	0	0.135	0.5	500	101%	80	120	0%	
1,1-Dichloroethene	A	ug/L	127.47339	5.0989356		5	0	0	0.141	0.5	500	102%	80	120	0%	
1,1-Dichloropropene	A	ug/L	122.69902	4.9079608		5	0	0	0.083	0.5	500	98%	80	120	0%	
1,2,3-Trichloropropane	A	ug/L	119.25111	4.7700444		5	0	0	0.235	0.5	500	95%	80	120	0%	
1,2-Dibromoethane	A	ug/L	123.8219	4.952876		5	0	0	0.0916	0.5	500	99%	80	120	0%	
1,2-Dichlorobenzene	A	ug/L	126.78928	5.0715712		5	0	0	0.0746	0.5	500	101%	80	120	0%	
1,2-Dichloroethane	A	ug/L	112.99307	4.5197228		5	0	0	0.116	0.5	500	90%	80	120	0%	
1,2-Dichloropropane	A	ug/L	125.26279	5.0105116		5	0	0	0.0847	0.5	500	100%	80	120	0%	
1,3-Dichlorobenzene	A	ug/L	127.90714	5.1162856		5	0	0	0.0803	0.5	500	102%	80	120	0%	
1,3-Dichloropropane	A	ug/L	115.25812	4.6103248		5	0	0	0.0791	0.5	500	92%	80	120	0%	
1,4-Dichlorobenzene	A	ug/L	126.91589	5.0766356		5	0	0	0.0858	0.5	500	102%	80	120	0%	
2,2-Dichloropropane	A	ug/L	130.60172	5.2240688		5	0	0	0.186	0.5	500	104%	80	120	0%	
2-Chlorotoluene	A	ug/L	128.02447	5.1209788		5	0	0	0.0876	0.5	500	102%	80	120	0%	
4-Chlorotoluene	A	ug/L	133.69052	5.3476208		5	0	0	0.0728	0.5	500	107%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist				
14993120	ICV011922_	VOC-8260-W-Q	ICV	)A5975C\VG011	1/19/2022 4:42:1	1	R373580		0	0					

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzene	A	ug/L	124.79596	4.9918384		5	0	0	0.0914	0.5	500	100%	80	120	0%	
Bromobenzene	A	ug/L	128.75816	5.1503264		5	0	0	0.0831	0.5	500	103%	80	120	0%	
Bromochloromethane	A	ug/L	118.1582	4.726328		5	0	0	0.141	0.5	500	95%	80	120	0%	
Bromodichloromethane	A	ug/L	125.01778	5.0007112		5	0	0	0.12	0.5	500	100%	80	120	0%	
Bromoform	A	ug/L	118.4586	4.738344		5	0	0	0.119	0.5	500	95%	80	120	0%	
Bromomethane	A	ug/L	125.47532	5.0190128		5	0	0	0.253	0.5	500	100%	80	120	0%	
Carbon tetrachloride	A	ug/L	121.97422	4.8789688		5	0	0	0.143	0.5	500	98%	80	120	0%	
Chlorobenzene	A	ug/L	127.68425	5.10737		5	0	0	0.0914	0.5	500	102%	80	120	0%	
Chlorodibromomethane	A	ug/L	118.71875	4.74875		5	0	0	0.0841	0.5	500	95%	80	120	0%	
Chloroethane	A	ug/L	128.59249	5.1436996		5	0	0	0.169	0.5	500	103%	80	120	0%	
Chloroform	A	ug/L	116.04065	4.641626		5	0	0	0.0789	0.5	500	93%	80	120	0%	
Chloromethane	A	ug/L	108.15919	4.3263676		5	0	0	0.162	0.5	500	87%	80	120	0%	
cis-1,2-Dichloroethene	A	ug/L	126.74809	5.0699236		5	0	0	0.108	0.5	500	101%	80	120	0%	
cis-1,3-Dichloropropene	A	ug/L	121.1938	4.847752		5	0	0	0.073	0.5	500	97%	80	120	0%	
Dibromomethane	A	ug/L	119.73245	4.789298		5	0	0	0.147	0.5	500	96%	80	120	0%	
Dichlorodifluoromethane	A	ug/L	109.491	4.37964		5	0	0	0.175	0.5	500	88%	80	120	0%	
Ethylbenzene	A	ug/L	127.55124	5.1020496		5	0	0	0.0836	0.5	500	102%	80	120	0%	
m+p-Xylenes	A	ug/L	247.60848	9.9043392		10	0	0	0.15	0.5	1000	99%	80	120	0%	
Methyl ethyl ketone	A	ug/L	1190.01388	47.6005552		50	0	0	1.77	10	5000	95%	80	120	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	130.45844	5.2183376		5	0	0	0.101	0.5	500	104%	80	120	0%	
Methylene chloride	A	ug/L	117.91846	4.7167384		5	0	0	0.338	0.5	500	94%	80	120	0%	
o-Xylene	A	ug/L	125.95849	5.0383396		5	0	0	0.0604	0.5	500	101%	80	120	0%	
Styrene	A	ug/L	126.65625	5.06625		5	0	0	0.067	0.5	500	101%	80	120	0%	
Tetrachloroethene	A	ug/L	126.00053	5.0400212		5	0	0	0.0671	0.5	500	101%	80	120	0%	
Toluene	A	ug/L	126.57376	5.0629504		5	0	0	0.0679	0.5	500	101%	80	120	0%	
trans-1,2-Dichloroethene	A	ug/L	125.16318	5.0065272		5	0	0	0.125	0.5	500	100%	80	120	0%	
trans-1,3-Dichloropropene	A	ug/L	125.66541	5.0266164		5	0	0	0.0846	0.5	500	101%	80	120	0%	
Trichloroethene	A	ug/L	127.05504	5.0822016		5	0	0	0.0993	0.5	500	102%	80	120	0%	
Trichlorofluoromethane	A	ug/L	112.56002	4.5024008		5	0	0	0.134	0.5	500	90%	80	120	0%	
Vinyl chloride	A	ug/L	115.35056	4.6140224		5	0	0	0.153	0.5	500	92%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Xylenes, Total	M	ug/L	373.56697	14.9426788		15	0	0	0.0604	0.5	1500	100%	80	120	0%	
1,2-Dichloroethane-d4	S	ug/L	269.97549	10.7990196		10	0	0	0.229	0.5	500	108%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14993120	ICV011922_	VOC-8260-W-Q	ICV	)A5975C\VG011\1/19/2022 4:42:1		1	R373580		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Dibromofluoromethane	S	ug/L	230.60106	9.2240424		10	0	0	0.129	0.5	500	92%	80	120	0%	
p-Bromofluorobenzene	S	ug/L	258.37948	10.3351792		10	0	0	0.149	0.5	500	103%	80	120	0%	
Toluene-d8	S	ug/L	272.49616	10.8998464		10	0	0	0.23	0.5	500	109%	80	120	0%	

```
Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN01.D
Sample Name    : PRIMER
Operator       : MSC
Date injected  : 19 Jan 2022   9:07 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 1
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN02.D
Sample Name    : BFB011922_
Operator       : MSC
Date injected  : 19 Jan 2022   9:34 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 2
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN03.D
Sample Name    : MBLK011922_
Operator       : MSC
Date injected  : 19 Jan 2022  10:13 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 3
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN04.D
Sample Name    : ICAL011922_1
Operator       : MSC
Date injected  : 19 Jan 2022  10:48 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 4
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN05.D
Sample Name    : ICAL011922_2
Operator       : MSC
```

```
Date injected  : 19 Jan 2022  11:15 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 5
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN06.D
Sample Name    : ICAL011922_3
Operator       : MSC
Date injected  : 19 Jan 2022  11:42 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 6
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN07.D
Sample Name    : ICAL011922_4
Operator       : MSC
Date injected  : 19 Jan 2022  12:09 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 7
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN08.D
Sample Name    : BLK
Operator       : MSC
Date injected  : 19 Jan 2022  12:37 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 8
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN09.D
Sample Name    : ICAL011922_5
Operator       : MSC
Date injected  : 19 Jan 2022   1:04 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
```

```
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 9
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN10.D
Sample Name    : BLK
Operator       : MSC
Date injected  : 19 Jan 2022   1:31 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 10
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN11.D
Sample Name    : ICAL011922_6
Operator       : MSC
Date injected  : 19 Jan 2022   1:58 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 11
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN12.D
Sample Name    : BLK
Operator       : MSC
Date injected  : 19 Jan 2022   2:26 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 12
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN13.D
Sample Name    : ICAL011922_7
Operator       : MSC
Date injected  : 19 Jan 2022   2:53 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
```

```
Vial Number    : 13
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN14.D
Sample Name    : BLK
Operator       : MSC
Date injected  : 19 Jan 2022   3:20 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 14
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN15.D
Sample Name    : ICAL011922_8
Operator       : MSC
Date injected  : 19 Jan 2022   3:47 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 15
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN16.D
Sample Name    : BLK
Operator       : MSC
Date injected  : 19 Jan 2022   4:15 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 16
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN17.D
Sample Name    : ICV011922_
Operator       : MSC
Date injected  : 19 Jan 2022   4:42 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 17
---------------------------------------------------------------
```

```
Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN18.D
Sample Name    : BLK
Operator       : MSC
Date injected  : 19 Jan 2022   5:09 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 18
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN19.D
Sample Name    : MDL011922_Q1_2
Operator       : MSC
Date injected  : 19 Jan 2022   5:36 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 19
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN20.D
Sample Name    : LOD011922_HalfCal2
Operator       : MSC
Date injected  : 19 Jan 2022   6:03 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.839
End Time       : 16.498
Vial Number    : 20
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN21.D
Sample Name    : LOD011922_2xCal1
Operator       : MSC
Date injected  : 19 Jan 2022   6:31 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.839
End Time       : 16.498
Vial Number    : 21
---------------------------------------------------------------

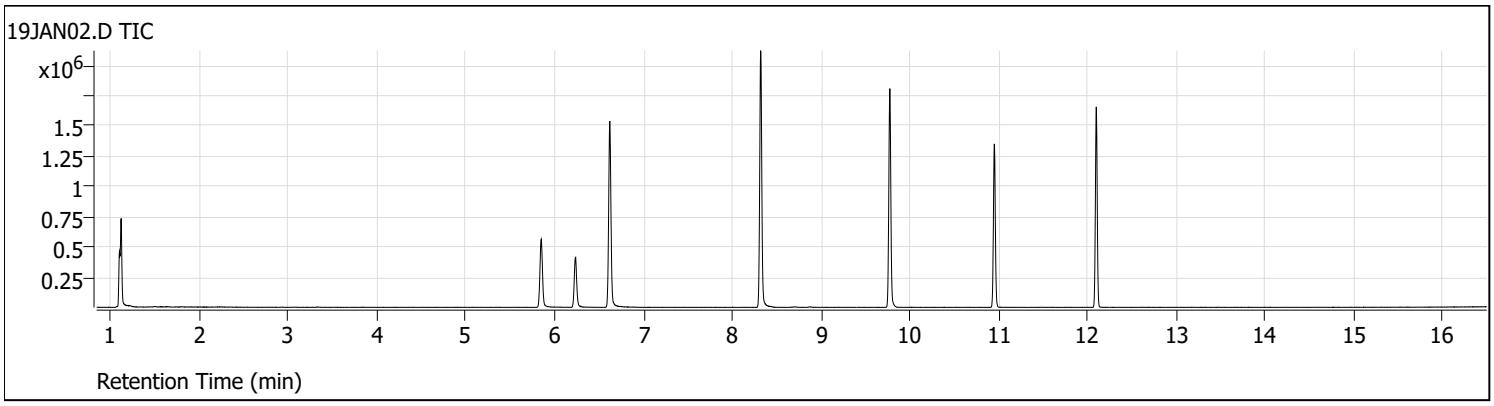
Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN22.D
Sample Name    : MBLK011922_NoSurr
Operator       : MSC
```

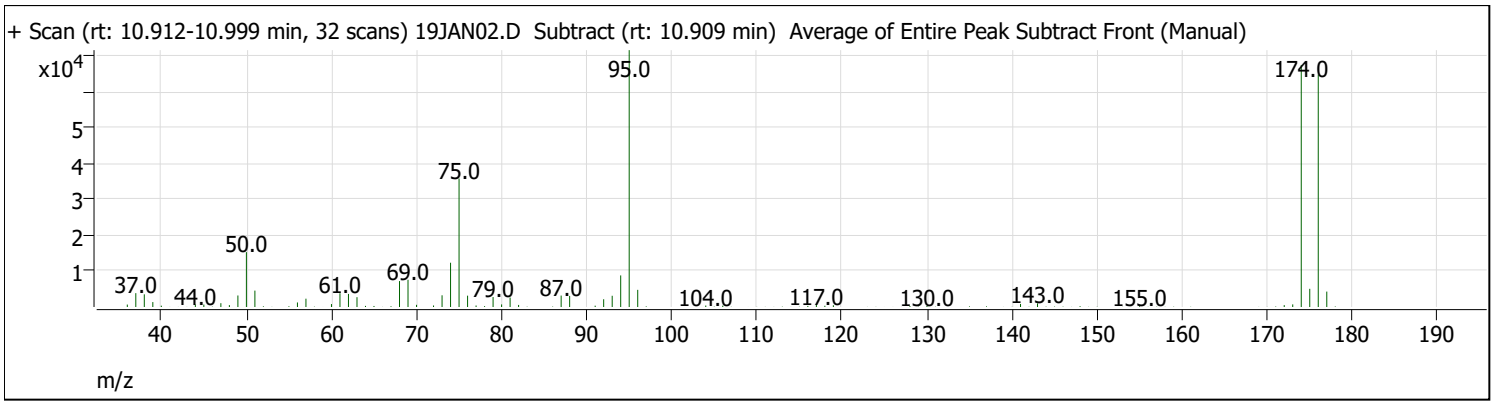
```
Date injected  : 19 Jan 2022   6:58 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 22
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG011922\19JAN23.D
Sample Name    : MBLK011922_
Operator       : MSC
Date injected  : 19 Jan 2022   7:25 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.839
End Time       : 16.498
Vial Number    : 23
---------------------------------------------------------------
```

Tune Evaluation Report

Data Path:	D:\Org\Data\VOA5975C\VG011922\19JAN02.D
Acq on:	1/19/2022 9:34:49 AM
Operator:	MSC
Sample:	BFB011922_
Inst Name:	VOA5975C
ALS Vial:	2
Method:	\\MASSHUNTER\Org\Data\Methods\BFBavg.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
50	95	15	40	21.4	15298	Pass
75	95	30	60	50.0	35802	Pass
95	95	100	100	100.0	71589	Pass
96	95	5	9	6.7	4783	Pass
173	174	0	2	1.1	722	Pass
174	95	50	100	94.2	67436	Pass
175	174	5	9	7.5	5067	Pass
176	174	95	101	96.1	64775	Pass
177	176	5	9	6.6	4289	Pass

Quantitative Analysis Results Summary Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	2/14/2022 3:09:49 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Sequence Table

Data File	sample Name	Sample Type	Vial Position	Inj Vol	Level	Acq Method File
19JAN03.D	MBLK011922_	Method Blank	3	0		5975CACQF.M
19JAN04.D	ICAL011922_1	Cal	4	0	1	5975CACQF.M
19JAN05.D	ICAL011922_2	Cal	5	0	2	5975CACQF.M
19JAN06.D	ICAL011922_3	Cal	6	0	3	5975CACQF.M
19JAN07.D	ICAL011922_4	Cal	7	0	4	5975CACQF.M
19JAN09.D	ICAL011922_5	Cal	9	0	5	5975CACQF.M
19JAN11.D	ICAL011922_6	Cal	11	0	6	5975CACQF.M
19JAN13.D	ICAL011922_7	Cal	13	0	7	5975CACQF.M
19JAN15.D	ICAL011922_8	Cal	15	0	8	5975CACQF.M
19JAN17.D	ICV011922_	QC	17	0	QC	5975CACQF.M

Quantitation Results

Compound: Dichlorodifluoromethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	1.247	4690	794248	0.0059	4.3915	2.5000	175.7
19JAN05.D	Calibration	Fluorobenzene	1.241	12682	803183	0.0158	11.7428	12.5000	93.9
19JAN06.D	Calibration	Fluorobenzene	1.241	27745	818509	0.0339	25.2092	25.0000	100.8
19JAN07.D	Calibration	Fluorobenzene	1.244	51785	806368	0.0642	47.7605	50.0000	95.5
19JAN09.D	Calibration	Fluorobenzene	1.244	148367	854591	0.1736	129.1152	125.0000	103.3
19JAN11.D	Calibration	Fluorobenzene	1.241	304740	874562	0.3484	259.1417	250.0000	103.7
19JAN13.D	Calibration	Fluorobenzene	1.241	452793	894962	0.5059	376.2647	375.0000	100.3
19JAN15.D	Calibration	Fluorobenzene	1.241	629961	914923	0.6885	512.0678	500.0000	102.4
19JAN17.D	QC	Fluorobenzene	1.244	130579	886938	0.1472	109.4910	125.0000	

Compound: Chloromethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene	1.420	477	812130	0.0006	0.3708		
19JAN04.D	Calibration	Fluorobenzene	1.411	6614	794248	0.0083	5.2603	2.5000	210.4
19JAN05.D	Calibration	Fluorobenzene	1.411	15397	803183	0.0192	12.1094	12.5000	96.9
19JAN06.D	Calibration	Fluorobenzene	1.408	33801	818509	0.0413	26.0860	25.0000	104.3
19JAN07.D	Calibration	Fluorobenzene	1.408	63351	806368	0.0786	49.6275	50.0000	99.3
19JAN09.D	Calibration	Fluorobenzene	1.408	170190	854591	0.1991	125.7991	125.0000	100.6
19JAN11.D	Calibration	Fluorobenzene	1.409	346531	874562	0.3962	250.2957	250.0000	100.1
19JAN13.D	Calibration	Fluorobenzene	1.408	529250	894962	0.5914	373.5581	375.0000	99.6
19JAN15.D	Calibration	Fluorobenzene	1.409	718053	914923	0.7848	495.7627	500.0000	99.2

Compound: Chloromethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN17.D	QC	Fluorobenzene	1.409	151864	886938	0.1712	108.1592	125.0000	

Compound: Vinyl chloride

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene	1.501	450	812130	0.0006	0.3842		
19JAN04.D	Calibration	Fluorobenzene	1.503	5818	794248	0.0073	5.0835	2.5000	203.3
19JAN05.D	Calibration	Fluorobenzene	1.498	14225	803183	0.0177	12.2910	12.5000	98.3
19JAN06.D	Calibration	Fluorobenzene	1.498	30072	818509	0.0367	25.4969	25.0000	102.0
19JAN07.D	Calibration	Fluorobenzene	1.495	55437	806368	0.0687	47.7105	50.0000	95.4
19JAN09.D	Calibration	Fluorobenzene	1.498	153733	854591	0.1799	124.8408	125.0000	99.9
19JAN11.D	Calibration	Fluorobenzene	1.498	326478	874562	0.3733	259.0664	250.0000	103.6
19JAN13.D	Calibration	Fluorobenzene	1.498	479607	894962	0.5359	371.9021	375.0000	99.2
19JAN15.D	Calibration	Fluorobenzene	1.498	669671	914923	0.7319	507.9543	500.0000	101.6
19JAN17.D	QC	Fluorobenzene	1.498	147423	886938	0.1662	115.3506	125.0000	

Compound: Bromomethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene	1.807	344	812130	0.0004	2.5579		
19JAN04.D	Calibration	Fluorobenzene	1.804	2332	794248	0.0029	6.7043	2.5000	268.2
19JAN05.D	Calibration	Fluorobenzene	1.799	5411	803183	0.0067	12.9499	12.5000	103.6
19JAN06.D	Calibration	Fluorobenzene	1.802	12135	818509	0.0148	26.1400	25.0000	104.6
19JAN07.D	Calibration	Fluorobenzene	1.796	22944	806368	0.0285	48.0600	50.0000	96.1
19JAN09.D	Calibration	Fluorobenzene	1.799	59520	854591	0.0696	112.1810	125.0000	89.7
19JAN11.D	Calibration	Fluorobenzene	1.796	153759	874562	0.1758	264.9993	250.0000	106.0
19JAN13.D	Calibration	Fluorobenzene	1.793	235754	894962	0.2634	380.3767	375.0000	101.4
19JAN15.D	Calibration	Fluorobenzene	1.793	324434	914923	0.3546	492.3720	500.0000	98.5
19JAN17.D	QC	Fluorobenzene	1.796	69568	886938	0.0784	125.4753	125.0000	

Compound: Chloroethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	1.905	2651	794248	0.0033	4.8967	2.5000	195.9
19JAN05.D	Calibration	Fluorobenzene	1.897	6576	803183	0.0082	12.0096	12.5000	96.1
19JAN06.D	Calibration	Fluorobenzene	1.896	15096	818509	0.0184	27.0532	25.0000	108.2
19JAN07.D	Calibration	Fluorobenzene	1.894	26569	806368	0.0329	48.3306	50.0000	96.7
19JAN09.D	Calibration	Fluorobenzene	1.897	65407	854591	0.0765	112.2655	125.0000	89.8
19JAN11.D	Calibration	Fluorobenzene	1.897	170795	874562	0.1953	286.4607	250.0000	114.6
19JAN13.D	Calibration	Fluorobenzene	1.894	233233	894962	0.2606	382.2662	375.0000	101.9
19JAN15.D	Calibration	Fluorobenzene	1.894	289150	914923	0.3160	463.5741	500.0000	92.7
19JAN17.D	QC	Fluorobenzene	1.897	77755	886938	0.0877	128.5925	125.0000	

Compound: Trichlorofluoromethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	2.150	6220	794248	0.0078	4.5322	2.5000	181.3
19JAN05.D	Calibration	Fluorobenzene	2.148	16916	803183	0.0211	12.1888	12.5000	97.5
19JAN06.D	Calibration	Fluorobenzene	2.145	35936	818509	0.0439	25.4088	25.0000	101.6
19JAN07.D	Calibration	Fluorobenzene	2.142	66016	806368	0.0819	47.3799	50.0000	94.8
19JAN09.D	Calibration	Fluorobenzene	2.147	193579	854591	0.2265	131.0926	125.0000	104.9
19JAN11.D	Calibration	Fluorobenzene	2.145	379318	874562	0.4337	251.0100	250.0000	100.4
19JAN13.D	Calibration	Fluorobenzene	2.145	569126	894962	0.6359	368.0290	375.0000	98.1
19JAN15.D	Calibration	Fluorobenzene	2.142	811600	914923	0.8871	513.3762	500.0000	102.7
19JAN17.D	QC	Fluorobenzene	2.145	172504	886938	0.1945	112.5600	125.0000	

Compound: 1,1-Dichloroethene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	2.694	2342	794248	0.0029	2.9328	2.5000	117.3
19JAN05.D	Calibration	Fluorobenzene	2.703	9440	803183	0.0118	11.6900	12.5000	93.5
19JAN06.D	Calibration	Fluorobenzene	2.700	20674	818509	0.0253	25.1221	25.0000	100.5
19JAN07.D	Calibration	Fluorobenzene	2.702	38644	806368	0.0479	47.6655	50.0000	95.3
19JAN09.D	Calibration	Fluorobenzene	2.702	105649	854591	0.1236	122.9596	125.0000	98.4
19JAN11.D	Calibration	Fluorobenzene	2.700	233356	874562	0.2668	265.3896	250.0000	106.2
19JAN13.D	Calibration	Fluorobenzene	2.700	344045	894962	0.3844	382.3544	375.0000	102.0
19JAN15.D	Calibration	Fluorobenzene	2.700	479145	914923	0.5237	520.8803	500.0000	104.2
19JAN17.D	QC	Fluorobenzene	2.700	113673	886938	0.1282	127.4734	125.0000	

Compound: Methylene chloride

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene	3.341	2137	812130	0.0026	1.7999		
19JAN04.D	Calibration	Fluorobenzene	3.327	4701	794248	0.0059	4.0490	2.5000	162.0
19JAN05.D	Calibration	Fluorobenzene	3.330	15719	803183	0.0196	13.3883	12.5000	107.1
19JAN06.D	Calibration	Fluorobenzene	3.333	32623	818509	0.0399	27.2657	25.0000	109.1
19JAN07.D	Calibration	Fluorobenzene	3.327	58184	806368	0.0722	49.3612	50.0000	98.7
19JAN09.D	Calibration	Fluorobenzene	3.333	149957	854591	0.1755	120.0395	125.0000	96.0
19JAN11.D	Calibration	Fluorobenzene	3.330	310597	874562	0.3551	242.9531	250.0000	97.2
19JAN13.D	Calibration	Fluorobenzene	3.330	470733	894962	0.5260	359.8205	375.0000	96.0
19JAN15.D	Calibration	Fluorobenzene	3.333	641583	914923	0.7012	479.7159	500.0000	95.9
19JAN17.D	QC	Fluorobenzene	3.333	152883	886938	0.1724	117.9185	125.0000	

Compound: trans-1,2-Dichloroethene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	3.717	2132	794248	0.0027	2.5845	2.5000	103.4
19JAN05.D	Calibration	Fluorobenzene	3.718	10455	803183	0.0130	12.5326	12.5000	100.3

Compound: trans-1,2-Dichloroethene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN06.D	Calibration	Fluorobenzene	3.715	21348	818509	0.0261	25.1112	25.0000	100.4
19JAN07.D	Calibration	Fluorobenzene	3.717	38732	806368	0.0480	46.2455	50.0000	92.5
19JAN09.D	Calibration	Fluorobenzene	3.720	110255	854591	0.1290	124.2147	125.0000	99.4
19JAN11.D	Calibration	Fluorobenzene	3.720	233769	874562	0.2673	257.3531	250.0000	102.9
19JAN13.D	Calibration	Fluorobenzene	3.715	355984	894962	0.3978	382.9648	375.0000	102.1
19JAN15.D	Calibration	Fluorobenzene	3.715	486383	914923	0.5316	511.8313	500.0000	102.4
19JAN17.D	QC	Fluorobenzene	3.718	115302	886938	0.1300	125.1632	125.0000	

Compound: Methyl tert-butyl ether (MTBE)

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	3.762	2662	794248	0.0034	2.5817	2.5000	103.3
19JAN05.D	Calibration	Fluorobenzene	3.757	12721	803183	0.0158	12.2004	12.5000	97.6
19JAN06.D	Calibration	Fluorobenzene	3.751	24989	818509	0.0305	23.5175	25.0000	94.1
19JAN07.D	Calibration	Fluorobenzene	3.751	49617	806368	0.0615	47.3984	50.0000	94.8
19JAN09.D	Calibration	Fluorobenzene	3.754	136973	854591	0.1603	123.4648	125.0000	98.8
19JAN11.D	Calibration	Fluorobenzene	3.754	296029	874562	0.3385	260.7416	250.0000	104.3
19JAN13.D	Calibration	Fluorobenzene	3.757	452747	894962	0.5059	389.6885	375.0000	103.9
19JAN15.D	Calibration	Fluorobenzene	3.751	632731	914923	0.6916	532.7227	500.0000	106.5
19JAN17.D	QC	Fluorobenzene	3.751	150210	886938	0.1694	130.4584	125.0000	

Compound: 1,1-Dichloroethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	4.378	4131	794248	0.0052	2.6757	2.5000	107.0
19JAN05.D	Calibration	Fluorobenzene	4.381	18500	803183	0.0230	11.8493	12.5000	94.8
19JAN06.D	Calibration	Fluorobenzene	4.384	40298	818509	0.0492	25.3277	25.0000	101.3
19JAN07.D	Calibration	Fluorobenzene	4.384	75497	806368	0.0936	48.1651	50.0000	96.3
19JAN09.D	Calibration	Fluorobenzene	4.378	205663	854591	0.2407	123.8038	125.0000	99.0
19JAN11.D	Calibration	Fluorobenzene	4.381	442070	874562	0.5055	260.0378	250.0000	104.0
19JAN13.D	Calibration	Fluorobenzene	4.381	658287	894962	0.7355	378.3961	375.0000	100.9
19JAN15.D	Calibration	Fluorobenzene	4.381	921258	914923	1.0069	518.0035	500.0000	103.6
19JAN17.D	QC	Fluorobenzene	4.378	218409	886938	0.2463	126.6815	125.0000	

Compound: 2,2-Dichloropropane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	5.181	3183	794248	0.0040	2.7359	2.5000	109.4
19JAN05.D	Calibration	Fluorobenzene	5.190	14213	803183	0.0177	12.0798	12.5000	96.6
19JAN06.D	Calibration	Fluorobenzene	5.193	30539	818509	0.0373	25.4695	25.0000	101.9
19JAN07.D	Calibration	Fluorobenzene	5.193	56651	806368	0.0703	47.9582	50.0000	95.9
19JAN09.D	Calibration	Fluorobenzene	5.193	153450	854591	0.1796	122.5736	125.0000	98.1

Compound: 2,2-Dichloropropane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN11.D	Calibration	Fluorobenzene	5.193	331689	874562	0.3793	258.8981	250.0000	103.6
19JAN13.D	Calibration	Fluorobenzene	5.195	501019	894962	0.5598	382.1537	375.0000	101.9
19JAN15.D	Calibration	Fluorobenzene	5.190	683822	914923	0.7474	510.2077	500.0000	102.0
19JAN17.D	QC	Fluorobenzene	5.193	169689	886938	0.1913	130.6017	125.0000	

Compound: cis-1,2-Dichloroethene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	5.215	2334	794248	0.0029	2.7941	2.5000	111.8
19JAN05.D	Calibration	Fluorobenzene	5.209	9874	803183	0.0123	11.6899	12.5000	93.5
19JAN06.D	Calibration	Fluorobenzene	5.215	20810	818509	0.0254	24.1758	25.0000	96.7
19JAN07.D	Calibration	Fluorobenzene	5.212	39093	806368	0.0485	46.0997	50.0000	92.2
19JAN09.D	Calibration	Fluorobenzene	5.215	112808	854591	0.1320	125.5204	125.0000	100.4
19JAN11.D	Calibration	Fluorobenzene	5.215	243087	874562	0.2780	264.3041	250.0000	105.7
19JAN13.D	Calibration	Fluorobenzene	5.215	369412	894962	0.4128	392.4995	375.0000	104.7
19JAN15.D	Calibration	Fluorobenzene	5.212	513671	914923	0.5614	533.8672	500.0000	106.8
19JAN17.D	QC	Fluorobenzene	5.212	118223	886938	0.1333	126.7481	125.0000	

Compound: Methyl ethyl ketone

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	5.293	2962	794248	0.0037	24.5342	25.0000	98.1
19JAN05.D	Calibration	Fluorobenzene	5.288	15038	803183	0.0187	123.1947	125.0000	98.6
19JAN06.D	Calibration	Fluorobenzene	5.282	28861	818509	0.0353	232.0088	250.0000	92.8
19JAN07.D	Calibration	Fluorobenzene	5.285	58185	806368	0.0722	474.7821	500.0000	95.0
19JAN09.D	Calibration	Fluorobenzene	5.279	154105	854591	0.1803	1186.5197	1250.0000	94.9
19JAN11.D	Calibration	Fluorobenzene	5.279	348492	874562	0.3985	2621.9160	2500.0000	104.9
19JAN13.D	Calibration	Fluorobenzene	5.279	538796	894962	0.6020	3961.2871	3750.0000	105.6
19JAN15.D	Calibration	Fluorobenzene	5.279	752615	914923	0.8226	5412.5869	5000.0000	108.3
19JAN17.D	QC	Fluorobenzene	5.282	160409	886938	0.1809	1190.0139	1250.0000	

Compound: Bromochloromethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	5.516	901	794248	0.0011	2.6151	2.5000	104.6
19JAN05.D	Calibration	Fluorobenzene	5.516	4232	803183	0.0053	12.1514	12.5000	97.2
19JAN06.D	Calibration	Fluorobenzene	5.519	8977	818509	0.0110	25.2940	25.0000	101.2
19JAN07.D	Calibration	Fluorobenzene	5.511	17084	806368	0.0212	48.8614	50.0000	97.7
19JAN09.D	Calibration	Fluorobenzene	5.516	45958	854591	0.0538	124.0258	125.0000	99.2
19JAN11.D	Calibration	Fluorobenzene	5.516	99685	874562	0.1140	262.8745	250.0000	105.1
19JAN13.D	Calibration	Fluorobenzene	5.519	147182	894962	0.1645	379.2795	375.0000	101.1
19JAN15.D	Calibration	Fluorobenzene	5.519	195140	914923	0.2133	491.8934	500.0000	98.4

Compound: Bromochloromethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN17.D	QC	Fluorobenzene	5.519	45441	886938	0.0512	118.1582	125.0000	

Compound: Chloroform

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	5.656	4726	794248	0.0060	3.0658	2.5000	122.6
19JAN05.D	Calibration	Fluorobenzene	5.653	18593	803183	0.0231	11.9271	12.5000	95.4
19JAN06.D	Calibration	Fluorobenzene	5.647	38158	818509	0.0466	24.0194	25.0000	96.1
19JAN07.D	Calibration	Fluorobenzene	5.647	74048	806368	0.0918	47.3129	50.0000	94.6
19JAN09.D	Calibration	Fluorobenzene	5.653	196261	854591	0.2297	118.3246	125.0000	94.7
19JAN11.D	Calibration	Fluorobenzene	5.653	420250	874562	0.4805	247.5804	250.0000	99.0
19JAN13.D	Calibration	Fluorobenzene	5.653	641596	894962	0.7169	369.3654	375.0000	98.5
19JAN15.D	Calibration	Fluorobenzene	5.650	879544	914923	0.9613	495.3045	500.0000	99.1
19JAN17.D	QC	Fluorobenzene	5.653	199758	886938	0.2252	116.0406	125.0000	

Compound: 1,1,1-Trichloroethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	5.834	3627	794248	0.0046	2.5502	2.5000	102.0
19JAN05.D	Calibration	Fluorobenzene	5.829	16614	803183	0.0207	11.5510	12.5000	92.4
19JAN06.D	Calibration	Fluorobenzene	5.828	36046	818509	0.0440	24.5919	25.0000	98.4
19JAN07.D	Calibration	Fluorobenzene	5.834	69594	806368	0.0863	48.1944	50.0000	96.4
19JAN09.D	Calibration	Fluorobenzene	5.831	189468	854591	0.2217	123.8043	125.0000	99.0
19JAN11.D	Calibration	Fluorobenzene	5.834	414139	874562	0.4735	264.4318	250.0000	105.8
19JAN13.D	Calibration	Fluorobenzene	5.834	616756	894962	0.6891	384.8283	375.0000	102.6
19JAN15.D	Calibration	Fluorobenzene	5.831	863441	914923	0.9437	526.9948	500.0000	105.4
19JAN17.D	QC	Fluorobenzene	5.831	195526	886938	0.2205	123.1032	125.0000	

Compound: Dibromofluoromethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene	5.845	221291	812130	0.2725	281.3207		
19JAN04.D	Calibration	Fluorobenzene	5.851	2660	794248	0.0033	3.4579	2.5000	138.3
19JAN05.D	Calibration	Fluorobenzene	5.845	9521	803183	0.0119	12.2386	12.5000	97.9
19JAN06.D	Calibration	Fluorobenzene	5.851	19834	818509	0.0242	25.0179	25.0000	100.1
19JAN07.D	Calibration	Fluorobenzene	5.848	38453	806368	0.0477	49.2335	50.0000	98.5
19JAN09.D	Calibration	Fluorobenzene	5.851	100821	854591	0.1180	121.8025	125.0000	97.4
19JAN11.D	Calibration	Fluorobenzene	5.851	221667	874562	0.2535	261.6821	250.0000	104.7
19JAN13.D	Calibration	Fluorobenzene	5.845	325687	894962	0.3639	375.7157	375.0000	100.2
19JAN15.D	Calibration	Fluorobenzene	5.845	448615	914923	0.4903	506.2357	500.0000	101.2
19JAN17.D	QC	Fluorobenzene	5.848	198103	886938	0.2234	230.6011	250.0000	

Compound: Carbon tetrachloride

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	6.035	3586	794248	0.0045	2.5993	2.5000	104.0
19JAN05.D	Calibration	Fluorobenzene	6.024	15775	803183	0.0196	11.3084	12.5000	90.5
19JAN06.D	Calibration	Fluorobenzene	6.026	34965	818509	0.0427	24.5955	25.0000	98.4
19JAN07.D	Calibration	Fluorobenzene	6.026	66332	806368	0.0823	47.3626	50.0000	94.7
19JAN09.D	Calibration	Fluorobenzene	6.024	183978	854591	0.2153	123.9520	125.0000	99.2
19JAN11.D	Calibration	Fluorobenzene	6.027	404308	874562	0.4623	266.1753	250.0000	106.5
19JAN13.D	Calibration	Fluorobenzene	6.026	604305	894962	0.6752	388.7744	375.0000	103.7
19JAN15.D	Calibration	Fluorobenzene	6.027	851101	914923	0.9302	535.6026	500.0000	107.1
19JAN17.D	QC	Fluorobenzene	6.024	187895	886938	0.2118	121.9742	125.0000	

Compound: 1,1-Dichloropropene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	6.052	2749	794248	0.0035	2.3833	2.5000	95.3
19JAN05.D	Calibration	Fluorobenzene	6.041	12417	803183	0.0155	10.6461	12.5000	85.2
19JAN06.D	Calibration	Fluorobenzene	6.035	27641	818509	0.0338	23.2550	25.0000	93.0
19JAN07.D	Calibration	Fluorobenzene	6.038	52282	806368	0.0648	44.6484	50.0000	89.3
19JAN09.D	Calibration	Fluorobenzene	6.040	156331	854591	0.1829	125.9718	125.0000	100.8
19JAN11.D	Calibration	Fluorobenzene	6.038	350070	874562	0.4003	275.6455	250.0000	110.3
19JAN13.D	Calibration	Fluorobenzene	6.043	531739	894962	0.5941	409.1480	375.0000	109.1
19JAN15.D	Calibration	Fluorobenzene	6.038	746500	914923	0.8159	561.8648	500.0000	112.4
19JAN17.D	QC	Fluorobenzene	6.040	158033	886938	0.1782	122.6990	125.0000	

Compound: 1,2-Dichloroethane-d4

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene	6.233	100892	812130	0.1242	296.9186		
19JAN04.D	Calibration	Fluorobenzene	6.241	979	794248	0.0012	2.9446	2.5000	117.8
19JAN05.D	Calibration	Fluorobenzene	6.227	4197	803183	0.0052	12.4883	12.5000	99.9
19JAN06.D	Calibration	Fluorobenzene	6.238	8619	818509	0.0105	25.1675	25.0000	100.7
19JAN07.D	Calibration	Fluorobenzene	6.233	16425	806368	0.0204	48.6831	50.0000	97.4
19JAN09.D	Calibration	Fluorobenzene	6.230	45314	854591	0.0530	126.7303	125.0000	101.4
19JAN11.D	Calibration	Fluorobenzene	6.236	92919	874562	0.1062	253.9336	250.0000	101.6
19JAN13.D	Calibration	Fluorobenzene	6.233	139362	894962	0.1557	372.1740	375.0000	99.2
19JAN15.D	Calibration	Fluorobenzene	6.230	191123	914923	0.2089	499.2690	500.0000	99.9
19JAN17.D	QC	Fluorobenzene	6.233	100187	886938	0.1130	269.9755	250.0000	

Compound: Benzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	6.275	8357	794248	0.0105	2.6339	2.5000	105.4
19JAN05.D	Calibration	Fluorobenzene	6.286	37609	803183	0.0468	11.7214	12.5000	93.8

Compound: Benzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN06.D	Calibration	Fluorobenzene	6.283	76658	818509	0.0937	23.4442	25.0000	93.8
19JAN07.D	Calibration	Fluorobenzene	6.277	149512	806368	0.1854	46.4135	50.0000	92.8
19JAN09.D	Calibration	Fluorobenzene	6.283	424881	854591	0.4972	124.4545	125.0000	99.6
19JAN11.D	Calibration	Fluorobenzene	6.277	920174	874562	1.0522	263.3789	250.0000	105.4
19JAN13.D	Calibration	Fluorobenzene	6.280	1403257	894962	1.5680	392.4951	375.0000	104.7
19JAN15.D	Calibration	Fluorobenzene	6.280	1913180	914923	2.0911	523.4472	500.0000	104.7
19JAN17.D	QC	Fluorobenzene	6.280	442173	886938	0.4985	124.7960	125.0000	

Compound: 1,2-Dichloroethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Fluorobenzene			812130		ND		
19JAN04.D	Calibration	Fluorobenzene	6.316	2542	794248	0.0032	2.9004	2.5000	116.0
19JAN05.D	Calibration	Fluorobenzene	6.322	11123	803183	0.0138	12.5510	12.5000	100.4
19JAN06.D	Calibration	Fluorobenzene	6.322	21778	818509	0.0266	24.1139	25.0000	96.5
19JAN07.D	Calibration	Fluorobenzene	6.322	43538	806368	0.0540	48.9336	50.0000	97.9
19JAN09.D	Calibration	Fluorobenzene	6.325	109046	854591	0.1276	115.6442	125.0000	92.5
19JAN11.D	Calibration	Fluorobenzene	6.322	236845	874562	0.2708	245.4404	250.0000	98.2
19JAN13.D	Calibration	Fluorobenzene	6.322	368750	894962	0.4120	373.4220	375.0000	99.6
19JAN15.D	Calibration	Fluorobenzene	6.325	499614	914923	0.5461	494.9057	500.0000	99.0
19JAN17.D	QC	Fluorobenzene	6.325	110579	886938	0.1247	112.9931	125.0000	

Compound: Trichloroethene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	7.030	2545	316490	0.0080	2.6860	2.5000	107.4
19JAN05.D	Calibration	Chlorobenzene-d5	7.022	10949	313722	0.0349	11.6577	12.5000	93.3
19JAN06.D	Calibration	Chlorobenzene-d5	7.030	23390	321094	0.0728	24.3322	25.0000	97.3
19JAN07.D	Calibration	Chlorobenzene-d5	7.030	44214	318877	0.1387	46.3149	50.0000	92.6
19JAN09.D	Calibration	Chlorobenzene-d5	7.025	120511	330468	0.3647	121.8095	125.0000	97.4
19JAN11.D	Calibration	Chlorobenzene-d5	7.028	265703	333271	0.7973	266.3072	250.0000	106.5
19JAN13.D	Calibration	Chlorobenzene-d5	7.028	399934	333736	1.1984	400.2849	375.0000	106.7
19JAN15.D	Calibration	Chlorobenzene-d5	7.028	553822	348824	1.5877	530.3320	500.0000	106.1
19JAN17.D	QC	Chlorobenzene-d5	7.028	128332	337386	0.3804	127.0550	125.0000	

Compound: 1,2-Dichloropropane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	7.267	2351	316490	0.0074	2.8222	2.5000	112.9
19JAN05.D	Calibration	Chlorobenzene-d5	7.273	9499	313722	0.0303	11.5033	12.5000	92.0
19JAN06.D	Calibration	Chlorobenzene-d5	7.267	20331	321094	0.0633	24.0555	25.0000	96.2
19JAN07.D	Calibration	Chlorobenzene-d5	7.270	38730	318877	0.1215	46.1437	50.0000	92.3
19JAN09.D	Calibration	Chlorobenzene-d5	7.270	106955	330468	0.3236	122.9589	125.0000	98.4

Compound: 1,2-Dichloropropane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN11.D	Calibration	Chlorobenzene-d5	7.270	235120	333271	0.7055	268.0280	250.0000	107.2
19JAN13.D	Calibration	Chlorobenzene-d5	7.270	352771	333736	1.0570	401.5854	375.0000	107.1
19JAN15.D	Calibration	Chlorobenzene-d5	7.270	490282	348824	1.4055	533.9834	500.0000	106.8
19JAN17.D	QC	Chlorobenzene-d5	7.273	111240	337386	0.3297	125.2628	125.0000	

Compound: Dibromomethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	7.398	1166	316490	0.0037	3.3195	2.5000	132.8
19JAN05.D	Calibration	Chlorobenzene-d5	7.396	4088	313722	0.0130	11.7450	12.5000	94.0
19JAN06.D	Calibration	Chlorobenzene-d5	7.398	9095	321094	0.0283	25.5304	25.0000	102.1
19JAN07.D	Calibration	Chlorobenzene-d5	7.393	16899	318877	0.0530	47.7666	50.0000	95.5
19JAN09.D	Calibration	Chlorobenzene-d5	7.398	44657	330468	0.1351	121.7998	125.0000	97.4
19JAN11.D	Calibration	Chlorobenzene-d5	7.396	97445	333271	0.2924	263.5412	250.0000	105.4
19JAN13.D	Calibration	Chlorobenzene-d5	7.396	143756	333736	0.4307	388.2481	375.0000	103.5
19JAN15.D	Calibration	Chlorobenzene-d5	7.393	197367	348824	0.5658	509.9818	500.0000	102.0
19JAN17.D	QC	Chlorobenzene-d5	7.399	44818	337386	0.1328	119.7325	125.0000	

Compound: Bromodichloromethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	7.588	2606	316490	0.0082	2.6393	2.5000	105.6
19JAN05.D	Calibration	Chlorobenzene-d5	7.585	12025	313722	0.0383	12.2862	12.5000	98.3
19JAN06.D	Calibration	Chlorobenzene-d5	7.585	24925	321094	0.0776	24.8816	25.0000	99.5
19JAN07.D	Calibration	Chlorobenzene-d5	7.585	46426	318877	0.1456	46.6674	50.0000	93.3
19JAN09.D	Calibration	Chlorobenzene-d5	7.580	124982	330468	0.3782	121.2255	125.0000	97.0
19JAN11.D	Calibration	Chlorobenzene-d5	7.585	270436	333271	0.8115	260.1015	250.0000	104.0
19JAN13.D	Calibration	Chlorobenzene-d5	7.583	408420	333736	1.2238	392.2653	375.0000	104.6
19JAN15.D	Calibration	Chlorobenzene-d5	7.585	561671	348824	1.6102	516.1211	500.0000	103.2
19JAN17.D	QC	Chlorobenzene-d5	7.583	131590	337386	0.3900	125.0178	125.0000	

Compound: cis-1,3-Dichloropropene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	8.057	3052	316490	0.0096	2.8168	2.5000	112.7
19JAN05.D	Calibration	Chlorobenzene-d5	8.059	12472	313722	0.0398	11.6126	12.5000	92.9
19JAN06.D	Calibration	Chlorobenzene-d5	8.057	24965	321094	0.0777	22.7111	25.0000	90.8
19JAN07.D	Calibration	Chlorobenzene-d5	8.059	47339	318877	0.1485	43.3645	50.0000	86.7
19JAN09.D	Calibration	Chlorobenzene-d5	8.059	139607	330468	0.4225	123.4003	125.0000	98.7
19JAN11.D	Calibration	Chlorobenzene-d5	8.057	311156	333271	0.9336	272.7213	250.0000	109.1
19JAN13.D	Calibration	Chlorobenzene-d5	8.057	471983	333736	1.4142	413.1062	375.0000	110.2
19JAN15.D	Calibration	Chlorobenzene-d5	8.057	666084	348824	1.9095	557.7775	500.0000	111.6

Compound: cis-1,3-Dichloropropene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN17.D	QC	Chlorobenzene-d5	8.057	139981	337386	0.4149	121.1938	125.0000	

Compound: Toluene-d8

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5	8.322	833211	329825	2.5262	258.9413		
19JAN04.D	Calibration	Chlorobenzene-d5	8.319	8454	316490	0.0267	2.7380	2.5000	109.5
19JAN05.D	Calibration	Chlorobenzene-d5	8.319	33951	313722	0.1082	11.0927	12.5000	88.7
19JAN06.D	Calibration	Chlorobenzene-d5	8.319	72066	321094	0.2244	23.0053	25.0000	92.0
19JAN07.D	Calibration	Chlorobenzene-d5	8.322	142617	318877	0.4472	45.8435	50.0000	91.7
19JAN09.D	Calibration	Chlorobenzene-d5	8.319	412799	330468	1.2491	128.0381	125.0000	102.4
19JAN11.D	Calibration	Chlorobenzene-d5	8.322	885297	333271	2.6564	272.2835	250.0000	108.9
19JAN13.D	Calibration	Chlorobenzene-d5	8.322	1329503	333736	3.9837	408.3346	375.0000	108.9
19JAN15.D	Calibration	Chlorobenzene-d5	8.322	1826060	348824	5.2349	536.5850	500.0000	107.3
19JAN17.D	QC	Chlorobenzene-d5	8.319	896928	337386	2.6585	272.4962	250.0000	

Compound: Toluene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	8.380	5454	316490	0.0172	2.6500	2.5000	106.0
19JAN05.D	Calibration	Chlorobenzene-d5	8.386	21899	313722	0.0698	10.7342	12.5000	85.9
19JAN06.D	Calibration	Chlorobenzene-d5	8.391	48441	321094	0.1509	23.1991	25.0000	92.8
19JAN07.D	Calibration	Chlorobenzene-d5	8.386	92615	318877	0.2904	44.6630	50.0000	89.3
19JAN09.D	Calibration	Chlorobenzene-d5	8.386	269549	330468	0.8157	125.4292	125.0000	100.3
19JAN11.D	Calibration	Chlorobenzene-d5	8.388	587069	333271	1.7615	270.8830	250.0000	108.4
19JAN13.D	Calibration	Chlorobenzene-d5	8.388	890126	333736	2.6672	410.1461	375.0000	109.4
19JAN15.D	Calibration	Chlorobenzene-d5	8.389	1224192	348824	3.5095	539.6763	500.0000	107.9
19JAN17.D	QC	Chlorobenzene-d5	8.389	277703	337386	0.8231	126.5738	125.0000	

Compound: trans-1,3-Dichloropropene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	8.639	2153	316490	0.0068	2.7242	2.5000	109.0
19JAN05.D	Calibration	Chlorobenzene-d5	8.634	8755	313722	0.0279	11.1755	12.5000	89.4
19JAN06.D	Calibration	Chlorobenzene-d5	8.637	18613	321094	0.0580	23.2136	25.0000	92.9
19JAN07.D	Calibration	Chlorobenzene-d5	8.637	36009	318877	0.1129	45.2216	50.0000	90.4
19JAN09.D	Calibration	Chlorobenzene-d5	8.637	102846	330468	0.3112	124.6280	125.0000	99.7
19JAN11.D	Calibration	Chlorobenzene-d5	8.637	223772	333271	0.6714	268.8845	250.0000	107.6
19JAN13.D	Calibration	Chlorobenzene-d5	8.637	345161	333736	1.0342	414.1677	375.0000	110.4
19JAN15.D	Calibration	Chlorobenzene-d5	8.637	477330	348824	1.3684	547.9867	500.0000	109.6
19JAN17.D	QC	Chlorobenzene-d5	8.637	105873	337386	0.3138	125.6654	125.0000	

Compound: 1,1,2-Trichloroethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	8.818	1045	316490	0.0033	2.6009	2.5000	104.0
19JAN05.D	Calibration	Chlorobenzene-d5	8.815	4762	313722	0.0152	11.9543	12.5000	95.6
19JAN06.D	Calibration	Chlorobenzene-d5	8.821	9780	321094	0.0305	23.9876	25.0000	96.0
19JAN07.D	Calibration	Chlorobenzene-d5	8.818	19237	318877	0.0603	47.5110	50.0000	95.0
19JAN09.D	Calibration	Chlorobenzene-d5	8.818	52780	330468	0.1597	125.7824	125.0000	100.6
19JAN11.D	Calibration	Chlorobenzene-d5	8.818	110317	333271	0.3310	260.6902	250.0000	104.3
19JAN13.D	Calibration	Chlorobenzene-d5	8.815	167409	333736	0.5016	395.0532	375.0000	105.3
19JAN15.D	Calibration	Chlorobenzene-d5	8.815	228423	348824	0.6548	515.7192	500.0000	103.1
19JAN17.D	QC	Chlorobenzene-d5	8.815	52407	337386	0.1553	122.3326	125.0000	

Compound: Tetrachloroethene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	8.927	2190	316490	0.0069	2.6241	2.5000	105.0
19JAN05.D	Calibration	Chlorobenzene-d5	8.938	8964	313722	0.0286	10.8355	12.5000	86.7
19JAN06.D	Calibration	Chlorobenzene-d5	8.938	21156	321094	0.0659	24.9859	25.0000	99.9
19JAN07.D	Calibration	Chlorobenzene-d5	8.935	38749	318877	0.1215	46.0820	50.0000	92.2
19JAN09.D	Calibration	Chlorobenzene-d5	8.935	109194	330468	0.3304	125.3035	125.0000	100.2
19JAN11.D	Calibration	Chlorobenzene-d5	8.938	231586	333271	0.6949	263.5170	250.0000	105.4
19JAN13.D	Calibration	Chlorobenzene-d5	8.935	346235	333736	1.0375	393.4248	375.0000	104.9
19JAN15.D	Calibration	Chlorobenzene-d5	8.935	486052	348824	1.3934	528.4090	500.0000	105.7
19JAN17.D	QC	Chlorobenzene-d5	8.938	112100	337386	0.3323	126.0005	125.0000	

Compound: 1,3-Dichloropropane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	8.977	2260	316490	0.0071	2.7790	2.5000	111.2
19JAN05.D	Calibration	Chlorobenzene-d5	8.985	9988	313722	0.0318	12.3902	12.5000	99.1
19JAN06.D	Calibration	Chlorobenzene-d5	8.977	20205	321094	0.0629	24.4891	25.0000	98.0
19JAN07.D	Calibration	Chlorobenzene-d5	8.977	38147	318877	0.1196	46.5568	50.0000	93.1
19JAN09.D	Calibration	Chlorobenzene-d5	8.980	101384	330468	0.3068	119.3950	125.0000	95.5
19JAN11.D	Calibration	Chlorobenzene-d5	8.982	223019	333271	0.6692	260.4297	250.0000	104.2
19JAN13.D	Calibration	Chlorobenzene-d5	8.980	339654	333736	1.0177	396.0772	375.0000	105.6
19JAN15.D	Calibration	Chlorobenzene-d5	8.980	468322	348824	1.3426	522.4977	500.0000	104.5
19JAN17.D	QC	Chlorobenzene-d5	8.980	99920	337386	0.2962	115.2581	125.0000	

Compound: Chlorodibromomethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	9.205	2004	316490	0.0063	3.0962	2.5000	123.8
19JAN05.D	Calibration	Chlorobenzene-d5	9.203	7984	313722	0.0254	12.4449	12.5000	99.6

Compound: Chlorodibromomethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN06.D	Calibration	Chlorobenzene-d5	9.205	15826	321094	0.0493	24.1020	25.0000	96.4
19JAN07.D	Calibration	Chlorobenzene-d5	9.203	30000	318877	0.0941	46.0058	50.0000	92.0
19JAN09.D	Calibration	Chlorobenzene-d5	9.206	83172	330468	0.2517	123.0729	125.0000	98.5
19JAN11.D	Calibration	Chlorobenzene-d5	9.203	178171	333271	0.5346	261.4293	250.0000	104.6
19JAN13.D	Calibration	Chlorobenzene-d5	9.203	269032	333736	0.8061	394.1991	375.0000	105.1
19JAN15.D	Calibration	Chlorobenzene-d5	9.203	370474	348824	1.0621	519.3572	500.0000	103.9
19JAN17.D	QC	Chlorobenzene-d5	9.206	81909	337386	0.2428	118.7188	125.0000	

Compound: 1,2-Dibromoethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	9.309	1089	316490	0.0034	2.4525	2.5000	98.1
19JAN05.D	Calibration	Chlorobenzene-d5	9.306	4936	313722	0.0157	11.2192	12.5000	89.8
19JAN06.D	Calibration	Chlorobenzene-d5	9.303	11412	321094	0.0355	25.3431	25.0000	101.4
19JAN07.D	Calibration	Chlorobenzene-d5	9.303	20667	318877	0.0648	46.2152	50.0000	92.4
19JAN09.D	Calibration	Chlorobenzene-d5	9.300	58489	330468	0.1770	126.2047	125.0000	101.0
19JAN11.D	Calibration	Chlorobenzene-d5	9.303	124289	333271	0.3729	265.9291	250.0000	106.4
19JAN13.D	Calibration	Chlorobenzene-d5	9.306	184921	333736	0.5541	395.1062	375.0000	105.4
19JAN15.D	Calibration	Chlorobenzene-d5	9.303	253758	348824	0.7275	518.7332	500.0000	103.7
19JAN17.D	QC	Chlorobenzene-d5	9.306	58586	337386	0.1736	123.8219	125.0000	

Compound: Chlorobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	9.799	6152	316490	0.0194	2.7267	2.5000	109.1
19JAN05.D	Calibration	Chlorobenzene-d5	9.797	26688	313722	0.0851	11.9332	12.5000	95.5
19JAN06.D	Calibration	Chlorobenzene-d5	9.802	55632	321094	0.1733	24.3040	25.0000	97.2
19JAN07.D	Calibration	Chlorobenzene-d5	9.802	106223	318877	0.3331	46.7283	50.0000	93.5
19JAN09.D	Calibration	Chlorobenzene-d5	9.800	289340	330468	0.8755	122.8185	125.0000	98.3
19JAN11.D	Calibration	Chlorobenzene-d5	9.802	625101	333271	1.8757	263.1099	250.0000	105.2
19JAN13.D	Calibration	Chlorobenzene-d5	9.799	945250	333736	2.8323	397.3088	375.0000	105.9
19JAN15.D	Calibration	Chlorobenzene-d5	9.802	1298233	348824	3.7217	522.0725	500.0000	104.4
19JAN17.D	QC	Chlorobenzene-d5	9.802	307100	337386	0.9102	127.6842	125.0000	

Compound: 1,1,1,2-Tetrachloroethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	9.891	2284	316490	0.0072	2.8847	2.5000	115.4
19JAN05.D	Calibration	Chlorobenzene-d5	9.894	9446	313722	0.0301	12.0378	12.5000	96.3
19JAN06.D	Calibration	Chlorobenzene-d5	9.891	19516	321094	0.0608	24.2998	25.0000	97.2
19JAN07.D	Calibration	Chlorobenzene-d5	9.889	37389	318877	0.1173	46.8776	50.0000	93.8
19JAN09.D	Calibration	Chlorobenzene-d5	9.894	101500	330468	0.3071	122.7951	125.0000	98.2

Compound: 1,1,1,2-Tetrachloroethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN11.D	Calibration	Chlorobenzene-d5	9.889	219325	333271	0.6581	263.1086	250.0000	105.2
19JAN13.D	Calibration	Chlorobenzene-d5	9.889	329822	333736	0.9883	395.1127	375.0000	105.4
19JAN15.D	Calibration	Chlorobenzene-d5	9.892	453261	348824	1.2994	519.5010	500.0000	103.9
19JAN17.D	QC	Chlorobenzene-d5	9.892	102231	337386	0.3030	121.1435	125.0000	

Compound: Ethylbenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	9.922	8834	316490	0.0279	2.9089	2.5000	116.4
19JAN05.D	Calibration	Chlorobenzene-d5	9.914	42980	313722	0.1370	11.9196	12.5000	95.4
19JAN06.D	Calibration	Chlorobenzene-d5	9.917	91590	321094	0.2852	24.0921	25.0000	96.4
19JAN07.D	Calibration	Chlorobenzene-d5	9.919	171854	318877	0.5389	44.7337	50.0000	89.5
19JAN09.D	Calibration	Chlorobenzene-d5	9.919	505127	330468	1.5285	123.1021	125.0000	98.5
19JAN11.D	Calibration	Chlorobenzene-d5	9.919	1116949	333271	3.3515	259.5637	250.0000	103.8
19JAN13.D	Calibration	Chlorobenzene-d5	9.919	1697682	333736	5.0869	381.4483	375.0000	101.7
19JAN15.D	Calibration	Chlorobenzene-d5	9.920	2354058	348824	6.7486	492.0069	500.0000	98.4
19JAN17.D	QC	Chlorobenzene-d5	9.919	535079	337386	1.5860	127.5512	125.0000	

Compound: m+p-Xylenes

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	10.036	6744	316490	0.0213	6.1738	5.0000	123.5
19JAN05.D	Calibration	Chlorobenzene-d5	10.037	31103	313722	0.0991	22.1645	25.0000	88.7
19JAN06.D	Calibration	Chlorobenzene-d5	10.036	71705	321094	0.2233	47.5617	50.0000	95.1
19JAN07.D	Calibration	Chlorobenzene-d5	10.039	136806	318877	0.4290	89.3329	100.0000	89.3
19JAN09.D	Calibration	Chlorobenzene-d5	10.039	405724	330468	1.2277	248.1048	250.0000	99.2
19JAN11.D	Calibration	Chlorobenzene-d5	10.039	887253	333271	2.6623	520.9218	500.0000	104.2
19JAN13.D	Calibration	Chlorobenzene-d5	10.037	1334216	333736	3.9978	762.4509	750.0000	101.7
19JAN15.D	Calibration	Chlorobenzene-d5	10.039	1838610	348824	5.2709	982.9557	1000.0000	98.3
19JAN17.D	QC	Chlorobenzene-d5	10.037	413361	337386	1.2252	247.6085	250.0000	

Compound: o-Xylene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	10.432	2826	316490	0.0089	3.0886	2.5000	123.5
19JAN05.D	Calibration	Chlorobenzene-d5	10.435	13717	313722	0.0437	11.3234	12.5000	90.6
19JAN06.D	Calibration	Chlorobenzene-d5	10.427	30498	321094	0.0950	23.3834	25.0000	93.5
19JAN07.D	Calibration	Chlorobenzene-d5	10.433	58814	318877	0.1844	44.2320	50.0000	88.5
19JAN09.D	Calibration	Chlorobenzene-d5	10.433	179108	330468	0.5420	125.1872	125.0000	100.1
19JAN11.D	Calibration	Chlorobenzene-d5	10.430	387676	333271	1.1632	257.9276	250.0000	103.2
19JAN13.D	Calibration	Chlorobenzene-d5	10.433	598606	333736	1.7937	384.0157	375.0000	102.4
19JAN15.D	Calibration	Chlorobenzene-d5	10.433	822173	348824	2.3570	490.5696	500.0000	98.1

Compound: o-Xylene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN17.D	QC	Chlorobenzene-d5	10.430	184033	337386	0.5455	125.9585	125.0000	

Compound: Styrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	Chlorobenzene-d5			329825		ND		
19JAN04.D	Calibration	Chlorobenzene-d5	10.444	4834	316490	0.0153	3.1839	2.5000	127.4
19JAN05.D	Calibration	Chlorobenzene-d5	10.447	21872	313722	0.0697	10.9234	12.5000	87.4
19JAN06.D	Calibration	Chlorobenzene-d5	10.446	50294	321094	0.1566	23.2215	25.0000	92.9
19JAN07.D	Calibration	Chlorobenzene-d5	10.446	97810	318877	0.3067	44.2974	50.0000	88.6
19JAN09.D	Calibration	Chlorobenzene-d5	10.446	292722	330468	0.8858	123.7696	125.0000	99.0
19JAN11.D	Calibration	Chlorobenzene-d5	10.449	646327	333271	1.9393	261.6473	250.0000	104.7
19JAN13.D	Calibration	Chlorobenzene-d5	10.449	973131	333736	2.9159	382.7382	375.0000	102.1
19JAN15.D	Calibration	Chlorobenzene-d5	10.447	1332807	348824	3.8209	489.9958	500.0000	98.0
19JAN17.D	QC	Chlorobenzene-d5	10.449	306077	337386	0.9072	126.6563	125.0000	

Compound: Bromoform

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	1,4-Dichlorobenzene-d4			253834		ND		
19JAN04.D	Calibration	1,4-Dichlorobenzene-d4	10.633	928	241587	0.0038	2.8662	2.5000	114.6
19JAN05.D	Calibration	1,4-Dichlorobenzene-d4	10.631	4402	251947	0.0175	13.0389	12.5000	104.3
19JAN06.D	Calibration	1,4-Dichlorobenzene-d4	10.628	8920	258693	0.0345	25.7324	25.0000	102.9
19JAN07.D	Calibration	1,4-Dichlorobenzene-d4	10.628	16290	262955	0.0619	46.2317	50.0000	92.5
19JAN09.D	Calibration	1,4-Dichlorobenzene-d4	10.625	45045	278012	0.1620	120.9158	125.0000	96.7
19JAN11.D	Calibration	1,4-Dichlorobenzene-d4	10.625	96001	280059	0.3428	255.8151	250.0000	102.3
19JAN13.D	Calibration	1,4-Dichlorobenzene-d4	10.625	143943	286959	0.5016	374.3438	375.0000	99.8
19JAN15.D	Calibration	1,4-Dichlorobenzene-d4	10.625	198345	291918	0.6795	507.0612	500.0000	101.4
19JAN17.D	QC	1,4-Dichlorobenzene-d4	10.622	45029	283678	0.1587	118.4586	125.0000	

Compound: p-Bromofluorobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	1,4-Dichlorobenzene-d4	10.951	244714	253834	0.9641	261.1079		
19JAN04.D	Calibration	1,4-Dichlorobenzene-d4	10.946	3195	241587	0.0132	3.5819	2.5000	143.3
19JAN05.D	Calibration	1,4-Dichlorobenzene-d4	10.954	10669	251947	0.0423	11.4690	12.5000	91.8
19JAN06.D	Calibration	1,4-Dichlorobenzene-d4	10.951	23160	258693	0.0895	24.2474	25.0000	97.0
19JAN07.D	Calibration	1,4-Dichlorobenzene-d4	10.954	45114	262955	0.1716	46.4666	50.0000	92.9
19JAN09.D	Calibration	1,4-Dichlorobenzene-d4	10.948	128330	278012	0.4616	125.0189	125.0000	100.0
19JAN11.D	Calibration	1,4-Dichlorobenzene-d4	10.951	277668	280059	0.9915	268.5266	250.0000	107.4
19JAN13.D	Calibration	1,4-Dichlorobenzene-d4	10.951	415878	286959	1.4493	392.5157	375.0000	104.7
19JAN15.D	Calibration	1,4-Dichlorobenzene-d4	10.951	572482	291918	1.9611	531.1436	500.0000	106.2
19JAN17.D	QC	1,4-Dichlorobenzene-d4	10.948	270628	283678	0.9540	258.3795	250.0000	

Compound: Bromobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	1,4-Dichlorobenzene-d4			253834		ND		
19JAN04.D	Calibration	1,4-Dichlorobenzene-d4	11.093	2095	241587	0.0087	2.6633	2.5000	106.5
19JAN05.D	Calibration	1,4-Dichlorobenzene-d4	11.091	9784	251947	0.0388	11.9266	12.5000	95.4
19JAN06.D	Calibration	1,4-Dichlorobenzene-d4	11.093	20364	258693	0.0787	24.1762	25.0000	96.7
19JAN07.D	Calibration	1,4-Dichlorobenzene-d4	11.093	39639	262955	0.1507	46.2967	50.0000	92.6
19JAN09.D	Calibration	1,4-Dichlorobenzene-d4	11.093	112733	278012	0.4055	124.5365	125.0000	99.6
19JAN11.D	Calibration	1,4-Dichlorobenzene-d4	11.093	243851	280059	0.8707	267.4139	250.0000	107.0
19JAN13.D	Calibration	1,4-Dichlorobenzene-d4	11.093	361843	286959	1.2610	387.2660	375.0000	103.3
19JAN15.D	Calibration	1,4-Dichlorobenzene-d4	11.094	501025	291918	1.7163	527.1176	500.0000	105.4
19JAN17.D	QC	1,4-Dichlorobenzene-d4	11.091	118930	283678	0.4192	128.7582	125.0000	

Compound: 1,1,2,2-Tetrachloroethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	1,4-Dichlorobenzene-d4			253834		ND		
19JAN04.D	Calibration	1,4-Dichlorobenzene-d4	11.116	1247	241587	0.0052	2.7802	2.5000	111.2
19JAN05.D	Calibration	1,4-Dichlorobenzene-d4	11.113	5757	251947	0.0229	12.3034	12.5000	98.4
19JAN06.D	Calibration	1,4-Dichlorobenzene-d4	11.116	12137	258693	0.0469	25.2618	25.0000	101.0
19JAN07.D	Calibration	1,4-Dichlorobenzene-d4	11.113	24493	262955	0.0931	50.1531	50.0000	100.3
19JAN09.D	Calibration	1,4-Dichlorobenzene-d4	11.113	62640	278012	0.2253	121.3181	125.0000	97.1
19JAN11.D	Calibration	1,4-Dichlorobenzene-d4	11.110	133573	280059	0.4769	256.8068	250.0000	102.7
19JAN13.D	Calibration	1,4-Dichlorobenzene-d4	11.113	199230	286959	0.6943	373.8283	375.0000	99.7
19JAN15.D	Calibration	1,4-Dichlorobenzene-d4	11.113	273124	291918	0.9356	503.7746	500.0000	100.8
19JAN17.D	QC	1,4-Dichlorobenzene-d4	11.110	65177	283678	0.2298	123.7103	125.0000	

Compound: 1,2,3-Trichloropropane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	1,4-Dichlorobenzene-d4			253834		ND		
19JAN04.D	Calibration	1,4-Dichlorobenzene-d4	11.149	358	241587	0.0015	3.0373	2.5000	121.5
19JAN05.D	Calibration	1,4-Dichlorobenzene-d4	11.147	1522	251947	0.0060	12.3825	12.5000	99.1
19JAN06.D	Calibration	1,4-Dichlorobenzene-d4	11.144	3237	258693	0.0125	25.6435	25.0000	102.6
19JAN07.D	Calibration	1,4-Dichlorobenzene-d4	11.149	6147	262955	0.0234	47.9073	50.0000	95.8
19JAN09.D	Calibration	1,4-Dichlorobenzene-d4	11.152	16355	278012	0.0588	120.5610	125.0000	96.4
19JAN11.D	Calibration	1,4-Dichlorobenzene-d4	11.146	36124	280059	0.1290	264.3420	250.0000	105.7
19JAN13.D	Calibration	1,4-Dichlorobenzene-d4	11.149	52732	286959	0.1838	376.5948	375.0000	100.4
19JAN15.D	Calibration	1,4-Dichlorobenzene-d4	11.149	71179	291918	0.2438	499.7018	500.0000	99.9
19JAN17.D	QC	1,4-Dichlorobenzene-d4	11.152	16507	283678	0.0582	119.2511	125.0000	

Compound: 2-Chlorotoluene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	1,4-Dichlorobenzene-d4			253834		ND		
19JAN04.D	Calibration	1,4-Dichlorobenzene-d4	11.289	2035	241587	0.0084	2.6139	2.5000	104.6
19JAN05.D	Calibration	1,4-Dichlorobenzene-d4	11.292	9032	251947	0.0358	11.1243	12.5000	89.0

Compound: 2-Chlorotoluene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN06.D	Calibration	1,4-Dichlorobenzene-d4	11.291	20511	258693	0.0793	24.6038	25.0000	98.4
19JAN07.D	Calibration	1,4-Dichlorobenzene-d4	11.291	37139	262955	0.1412	43.8276	50.0000	87.7
19JAN09.D	Calibration	1,4-Dichlorobenzene-d4	11.291	114135	278012	0.4105	127.3956	125.0000	101.9
19JAN11.D	Calibration	1,4-Dichlorobenzene-d4	11.291	247831	280059	0.8849	274.6030	250.0000	109.8
19JAN13.D	Calibration	1,4-Dichlorobenzene-d4	11.291	365790	286959	1.2747	395.5589	375.0000	105.5
19JAN15.D	Calibration	1,4-Dichlorobenzene-d4	11.292	506556	291918	1.7353	538.4753	500.0000	107.7
19JAN17.D	QC	1,4-Dichlorobenzene-d4	11.291	117036	283678	0.4126	128.0245	125.0000	

Compound: 4-Chlorotoluene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	1,4-Dichlorobenzene-d4			253834		ND		
19JAN04.D	Calibration	1,4-Dichlorobenzene-d4	11.400	5544	241587	0.0229	2.1986	2.5000	87.9
19JAN05.D	Calibration	1,4-Dichlorobenzene-d4	11.400	26850	251947	0.1066	10.2102	12.5000	81.7
19JAN06.D	Calibration	1,4-Dichlorobenzene-d4	11.403	64162	258693	0.2480	23.7626	25.0000	95.1
19JAN07.D	Calibration	1,4-Dichlorobenzene-d4	11.400	125553	262955	0.4775	45.7452	50.0000	91.5
19JAN09.D	Calibration	1,4-Dichlorobenzene-d4	11.400	375931	278012	1.3522	129.5521	125.0000	103.6
19JAN11.D	Calibration	1,4-Dichlorobenzene-d4	11.397	814408	280059	2.9080	278.6073	250.0000	111.4
19JAN13.D	Calibration	1,4-Dichlorobenzene-d4	11.400	1209058	286959	4.2133	403.6708	375.0000	107.6
19JAN15.D	Calibration	1,4-Dichlorobenzene-d4	11.400	1661293	291918	5.6910	545.2370	500.0000	109.0
19JAN17.D	QC	1,4-Dichlorobenzene-d4	11.400	395846	283678	1.3954	133.6905	125.0000	

Compound: 1,3-Dichlorobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	1,4-Dichlorobenzene-d4			253834		ND		
19JAN04.D	Calibration	1,4-Dichlorobenzene-d4	12.030	3715	241587	0.0154	2.6066	2.5000	104.3
19JAN05.D	Calibration	1,4-Dichlorobenzene-d4	12.033	17111	251947	0.0679	11.5123	12.5000	92.1
19JAN06.D	Calibration	1,4-Dichlorobenzene-d4	12.028	37763	258693	0.1460	24.7445	25.0000	99.0
19JAN07.D	Calibration	1,4-Dichlorobenzene-d4	12.033	73221	262955	0.2785	47.2010	50.0000	94.4
19JAN09.D	Calibration	1,4-Dichlorobenzene-d4	12.033	200403	278012	0.7208	122.1906	125.0000	97.8
19JAN11.D	Calibration	1,4-Dichlorobenzene-d4	12.033	436562	280059	1.5588	264.2369	250.0000	105.7
19JAN13.D	Calibration	1,4-Dichlorobenzene-d4	12.033	652775	286959	2.2748	385.6033	375.0000	102.8
19JAN15.D	Calibration	1,4-Dichlorobenzene-d4	12.033	895336	291918	3.0671	519.9029	500.0000	104.0
19JAN17.D	QC	1,4-Dichlorobenzene-d4	12.036	214054	283678	0.7546	127.9071	125.0000	

Compound: 1,4-Dichlorobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	1,4-Dichlorobenzene-d4			253834		ND		
19JAN04.D	Calibration	1,4-Dichlorobenzene-d4	12.122	3952	241587	0.0164	2.7200	2.5000	108.8
19JAN05.D	Calibration	1,4-Dichlorobenzene-d4	12.125	17730	251947	0.0704	11.7008	12.5000	93.6
19JAN06.D	Calibration	1,4-Dichlorobenzene-d4	12.122	38799	258693	0.1500	24.9375	25.0000	99.8
19JAN07.D	Calibration	1,4-Dichlorobenzene-d4	12.122	72168	262955	0.2745	45.6332	50.0000	91.3
19JAN09.D	Calibration	1,4-Dichlorobenzene-d4	12.122	205880	278012	0.7405	123.1312	125.0000	98.5

Compound: 1,4-Dichlorobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN11.D	Calibration	1,4-Dichlorobenzene-d4	12.122	438291	280059	1.5650	260.2139	250.0000	104.1
19JAN13.D	Calibration	1,4-Dichlorobenzene-d4	12.122	656962	286959	2.2894	380.6606	375.0000	101.5
19JAN15.D	Calibration	1,4-Dichlorobenzene-d4	12.123	899595	291918	3.0817	512.3936	500.0000	102.5
19JAN17.D	QC	1,4-Dichlorobenzene-d4	12.122	216533	283678	0.7633	126.9159	125.0000	

Compound: 1,2-Dichlorobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
19JAN03.D	Blank	1,4-Dichlorobenzene-d4			253834		ND		
19JAN04.D	Calibration	1,4-Dichlorobenzene-d4	12.488	3048	241587	0.0126	2.5616	2.5000	102.5
19JAN05.D	Calibration	1,4-Dichlorobenzene-d4	12.496	14345	251947	0.0569	11.5601	12.5000	92.5
19JAN06.D	Calibration	1,4-Dichlorobenzene-d4	12.496	31975	258693	0.1236	25.0956	25.0000	100.4
19JAN07.D	Calibration	1,4-Dichlorobenzene-d4	12.493	59208	262955	0.2252	45.7163	50.0000	91.4
19JAN09.D	Calibration	1,4-Dichlorobenzene-d4	12.493	169723	278012	0.6105	123.9507	125.0000	99.2
19JAN11.D	Calibration	1,4-Dichlorobenzene-d4	12.493	366153	280059	1.3074	265.4514	250.0000	106.2
19JAN13.D	Calibration	1,4-Dichlorobenzene-d4	12.493	546389	286959	1.9041	386.5930	375.0000	103.1
19JAN15.D	Calibration	1,4-Dichlorobenzene-d4	12.493	753439	291918	2.5810	524.0336	500.0000	104.8
19JAN17.D	QC	1,4-Dichlorobenzene-d4	12.493	177148	283678	0.6245	126.7893	125.0000	

Initial Calibration Report - VOA5975C

Method Path	\\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_011922_CAL
Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m
Batch Name	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin
Last Calib Update	1/20/2022 9:28:12 AM

Level Name	Calibration Files	Acq. Date-Time	Level Last Update Time
1	D:\Org\Data\VOA5975C\VG011922\19JAN04.D	1/19/2022 10:48:21 AM	1/20/2022 9:28:12 AM
2	D:\Org\Data\VOA5975C\VG011922\19JAN05.D	1/19/2022 11:15:33 AM	1/20/2022 9:28:12 AM
3	D:\Org\Data\VOA5975C\VG011922\19JAN06.D	1/19/2022 11:42:44 AM	1/20/2022 9:28:12 AM
4	D:\Org\Data\VOA5975C\VG011922\19JAN07.D	1/19/2022 12:09:57 PM	1/20/2022 9:28:12 AM
5	D:\Org\Data\VOA5975C\VG011922\19JAN09.D	1/19/2022 1:04:20 PM	1/20/2022 9:28:12 AM
6	D:\Org\Data\VOA5975C\VG011922\19JAN11.D	1/19/2022 1:58:41 PM	1/20/2022 9:28:12 AM
7	D:\Org\Data\VOA5975C\VG011922\19JAN13.D	1/19/2022 2:53:18 PM	1/20/2022 9:28:12 AM
8	D:\Org\Data\VOA5975C\VG011922\19JAN15.D	1/19/2022 3:47:49 PM	1/20/2022 9:28:12 AM

Compound	Curve Fit	1	2	3	4	5	6	7	8	Avg RF	%RSD
I Fluorobenzene	---------- ISTD ----------										
T Dichlorodifluoromethane	Avg RF		0.3158	0.3390	0.3211	0.3472	0.3484	0.3373	0.3443	0.3362	3.821
T Chloromethane	Avg RF		0.3834	0.4130	0.3928	0.3983	0.3962	0.3942	0.3924	0.3958	2.254
T Vinyl chloride	Avg RF		0.3542	0.3674	0.3437	0.3598	0.3733	0.3573	0.3660	0.3602	2.711
T Bromomethane	Quadratic		0.1347	0.1483	0.1423	0.1393	0.1758	0.1756	0.1773	0.1562	12.289
T Chloroethane	Avg RF		0.1637	0.1844	0.1647	0.1531	0.1953	0.1737	0.1580	0.1704	8.825
T Trichlorofluoromethane	Avg RF		0.4212	0.4390	0.4093	0.4530	0.4337	0.4239	0.4435	0.4320	3.437
T 1,1-Dichloroethene	Avg RF		0.2351	0.2526	0.2396	0.2473	0.2668	0.2563	0.2618	0.2514	4.580
T Methylene chloride	Avg RF		0.3914	0.3986	0.3608	0.3509	0.3551	0.3507	0.3506	0.3654	5.639
T trans-1,2-Dichloroethene	Avg RF		0.2603	0.2608	0.2402	0.2580	0.2673	0.2652	0.2658	0.2597	3.554
T Methyl tert-butyl ether (MTBE)	Avg RF		0.3168	0.3053	0.3077	0.3206	0.3385	0.3373	0.3458	0.3245	4.935
T 1,1-Dichloroethane	Avg RF		0.4607	0.4923	0.4681	0.4813	0.5055	0.4904	0.5035	0.4860	3.491
T 2,2-Dichloropropane	Avg RF		0.3539	0.3731	0.3513	0.3591	0.3793	0.3732	0.3737	0.3662	3.048
T cis-1,2-Dichloroethene	Avg RF		0.2459	0.2542	0.2424	0.2640	0.2780	0.2752	0.2807	0.2629	5.976
T Methyl ethyl ketone	Avg RF		0.0374	0.0353	0.0361	0.0361	0.0398	0.0401	0.0411	0.0380 #	6.174
T Bromochloromethane	Avg RF		0.1054	0.1097	0.1059	0.1076	0.1140	0.1096	0.1066	0.1084	2.751
T Chloroform	Avg RF	0.5950	0.4630	0.4662	0.4591	0.4593	0.4805	0.4779	0.4807	0.4852	9.335
T 1,1,1-Trichloroethane	Avg RF		0.4137	0.4404	0.4315	0.4434	0.4735	0.4594	0.4719	0.4477	4.892
S Dibromofluoromethane	Avg RF		0.2371	0.2423	0.2384	0.2360	0.2535	0.2426	0.2452	0.2421	2.473
T Carbon tetrachloride	Avg RF		0.3928	0.4272	0.4113	0.4306	0.4623	0.4502	0.4651	0.4342	6.165
T 1,1-Dichloropropene	Avg RF		0.3092	0.3377	0.3242	0.3659	0.4003	0.3961	0.4080	0.3630	10.993
S 1,2-Dichloroethane-d4	Avg RF		0.1045	0.1053	0.1018	0.1060	0.1062	0.1038	0.1044	0.1046	1.436
T Benzene	Avg RF	1.0522	0.9365	0.9366	0.9271	0.9943	1.0522	1.0453	1.0455	0.9987	5.735
T 1,2-Dichloroethane	Avg RF	0.3200	0.2770	0.2661	0.2700	0.2552	0.2708	0.2747	0.2730	0.2758	6.912
I Chlorobenzene-d5	---------- ISTD ----------										
T Trichloroethene	Avg RF		0.6980	0.7284	0.6933	0.7293	0.7973	0.7989	0.7938	0.7484	6.301
T 1,2-Dichloropropane	Avg RF		0.6056	0.6332	0.6073	0.6473	0.7055	0.7047	0.7028	0.6580	6.934
T Dibromomethane	Avg RF		0.2606	0.2833	0.2650	0.2703	0.2924	0.2872	0.2829	0.2774	4.345
T Bromodichloromethane	Avg RF		0.7666	0.7763	0.7280	0.7564	0.8115	0.8159	0.8051	0.7799	4.176

Compound	Curve Fit	1	2	3	4	5	6	7	8	Avg RF	%RSD
T cis-1,3-Dichloropropene	Avg RF		0.7951	0.7775	0.7423	0.8449	0.9336	0.9428	0.9548	0.8559	10.258
S Toluene-d8	Avg RF		2.1644	2.2444	2.2362	2.4983	2.6564	2.6558	2.6175	2.4390	8.920
T Toluene	Avg RF	1.7233	1.3961	1.5086	1.4522	1.6313	1.7615	1.7781	1.7547	1.6257	9.427
T trans-1,3-Dichloropropene	Avg RF		0.5581	0.5797	0.5646	0.6224	0.6714	0.6895	0.6842	0.6243	9.247
T 1,1,2-Trichloroethane	Avg RF		0.3036	0.3046	0.3016	0.3194	0.3310	0.3344	0.3274	0.3174	4.423
T Tetrachloroethene	Avg RF	0.6920	0.5715	0.6589	0.6076	0.6608	0.6949	0.6916	0.6967	0.6592	7.062
T 1,3-Dichloropropane	Avg RF		0.6367	0.6293	0.5981	0.6136	0.6692	0.6785	0.6713	0.6424	4.860
T Chlorodibromomethane	Avg RF		0.5090	0.4929	0.4704	0.5034	0.5346	0.5374	0.5310	0.5112	4.854
T 1,2-Dibromoethane	Avg RF		0.3147	0.3554	0.3241	0.3540	0.3729	0.3694	0.3637	0.3506	6.435
T Chlorobenzene	Avg RF		1.7014	1.7326	1.6656	1.7511	1.8757	1.8882	1.8609	1.7822	5.108
T 1,1,1,2-Tetrachloroethane	Avg RF		0.6022	0.6078	0.5863	0.6143	0.6581	0.6588	0.6497	0.6253	4.745
T Ethylbenzene	Quadratic	2.7912	2.7400	2.8524	2.6947	3.0570	3.3515	3.3913	3.3743	3.0316	9.960
T m+p-Xylenes	Quadratic	1.0654	0.9914	1.1166	1.0726	1.2277	1.3311	1.3326	1.3177	1.1819	11.601
T o-Xylene	Quadratic	0.8929	0.8745	0.9498	0.9222	1.0840	1.1632	1.1958	1.1785	1.0326	13.257
T Styrene	Quadratic	1.5274	1.3944	1.5663	1.5337	1.7716	1.9393	1.9439	1.9104	1.6984	12.879
I 1,4-Dichlorobenzene-d4				---------- ISTD ----------							
T Bromoform	Avg RF		0.3494	0.3448	0.3097	0.3241	0.3428	0.3344	0.3397	0.3350	4.125
S p-Bromofluorobenzene	Avg RF		0.8469	0.8953	0.8578	0.9232	0.9915	0.9662	0.9806	0.9231	6.358
T Bromobenzene	Avg RF		0.7767	0.7872	0.7537	0.8110	0.8707	0.8406	0.8582	0.8140	5.409
T 1,1,2,2-Tetrachloroethane	Avg RF		0.4570	0.4692	0.4657	0.4506	0.4769	0.4629	0.4678	0.4643	1.845
T 1,2,3-Trichloropropane	Avg RF		0.1208	0.1251	0.1169	0.1177	0.1290	0.1225	0.1219	0.1220	3.434
T 2-Chlorotoluene	Avg RF		0.7170	0.7929	0.7062	0.8211	0.8849	0.8498	0.8676	0.8056	8.811
T 4-Chlorotoluene	Avg RF		2.1314	2.4802	2.3873	2.7044	2.9080	2.8089	2.8455	2.6094	10.931
T 1,3-Dichlorobenzene	Avg RF	1.5377	1.3583	1.4598	1.3923	1.4417	1.5588	1.5165	1.5335	1.4748	4.990
T 1,4-Dichlorobenzene	Avg RF	1.6358	1.4074	1.4998	1.3723	1.4811	1.5650	1.5263	1.5408	1.5036	5.631
T 1,2-Dichlorobenzene	Avg RF	1.2617	1.1387	1.2360	1.1258	1.2210	1.3074	1.2694	1.2905	1.2313	5.447

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Compounds with Curve fitting not using Avg Response Factor:

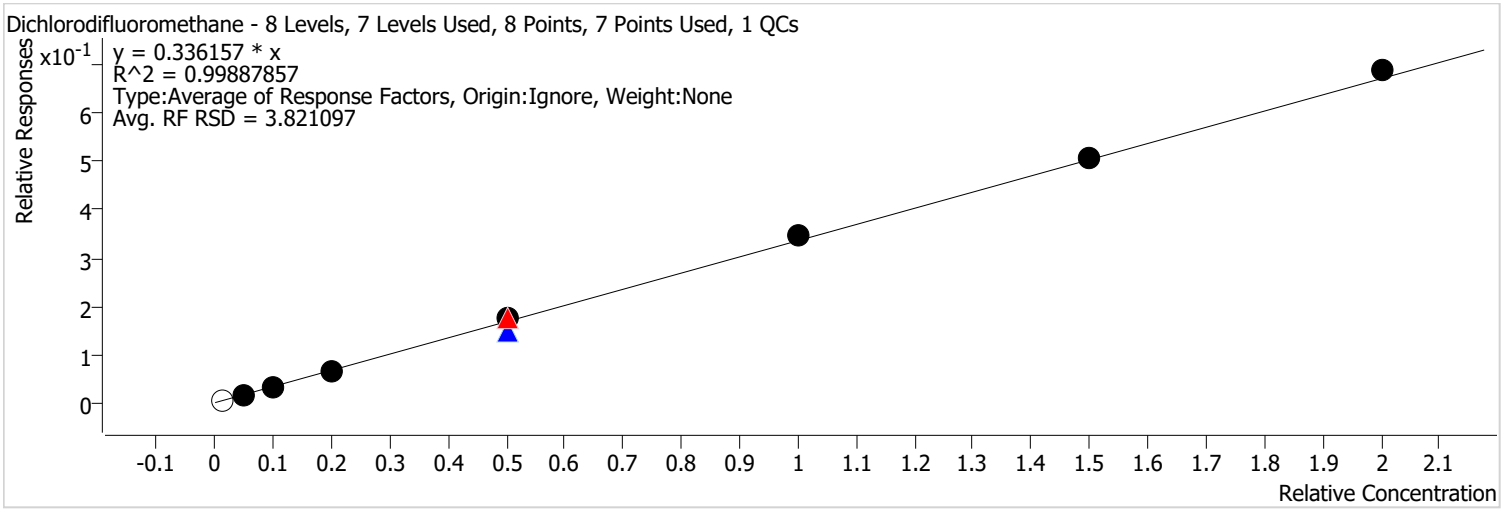
Compound	Curve Fit	Curve Fit Formula	Curve Fit R2
T Bromomethane	Quadratic	y = 0.015061 * x ^ 2 + 0.150956 * x - 0.001123	0.997553
T Ethylbenzene	Quadratic	y = 0.212781 * x ^ 2 + 3.013988 * x - 0.007186	0.998933
T m+p-Xylenes	Quadratic	y = 0.032978 * x ^ 2 + 1.213111 * x - 0.008669	0.998704
T o-Xylene	Quadratic	y = 0.077136 * x ^ 2 + 1.051862 * x - 0.004078	0.998666
T Styrene	Quadratic	y = 0.102118 * x ^ 2 + 1.752890 * x - 0.007067	0.998333

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:39 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dichlorodifluoromethane %RSE = 3.8

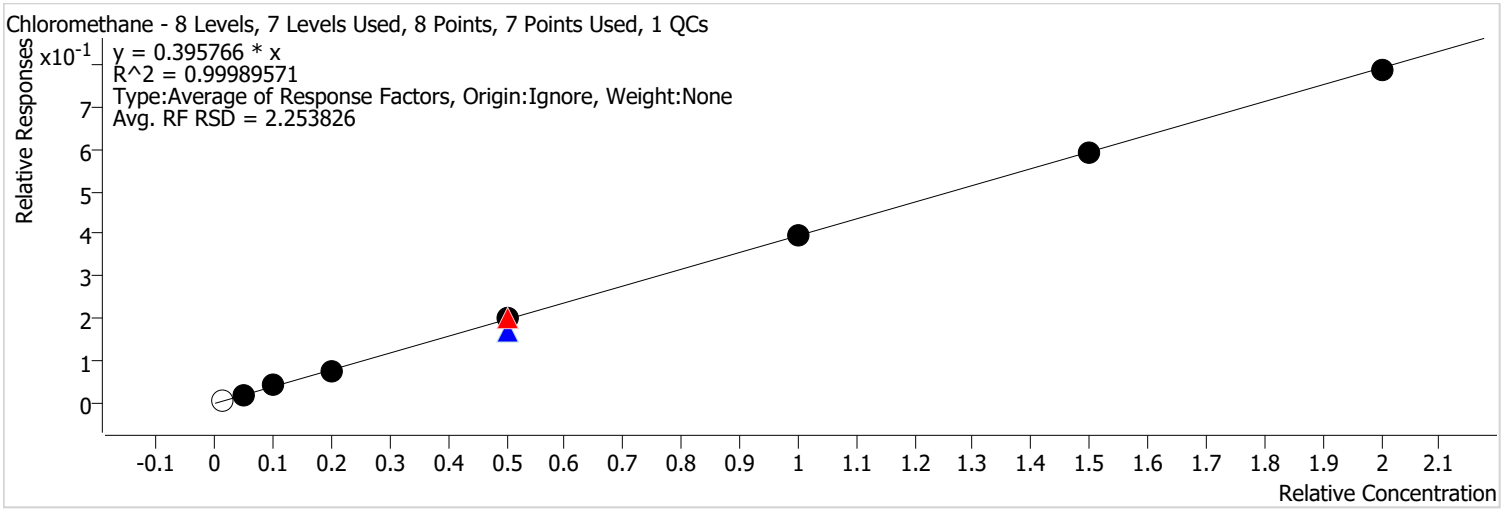


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\VOA5975C\VG011922\19JAN04.D	Calibration	1		4690	2.5000	0.5905	
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	12682	12.5000	0.3158	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	27745	25.0000	0.3390	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	51785	50.0000	0.3211	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	148367	125.0000	0.3472	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	130579	125.0000	0.2944	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	148367	125.0000	0.3472	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	304740	250.0000	0.3484	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	452793	375.0000	0.3373	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	629961	500.0000	0.3443	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:43 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Chloromethane %RSE = 2.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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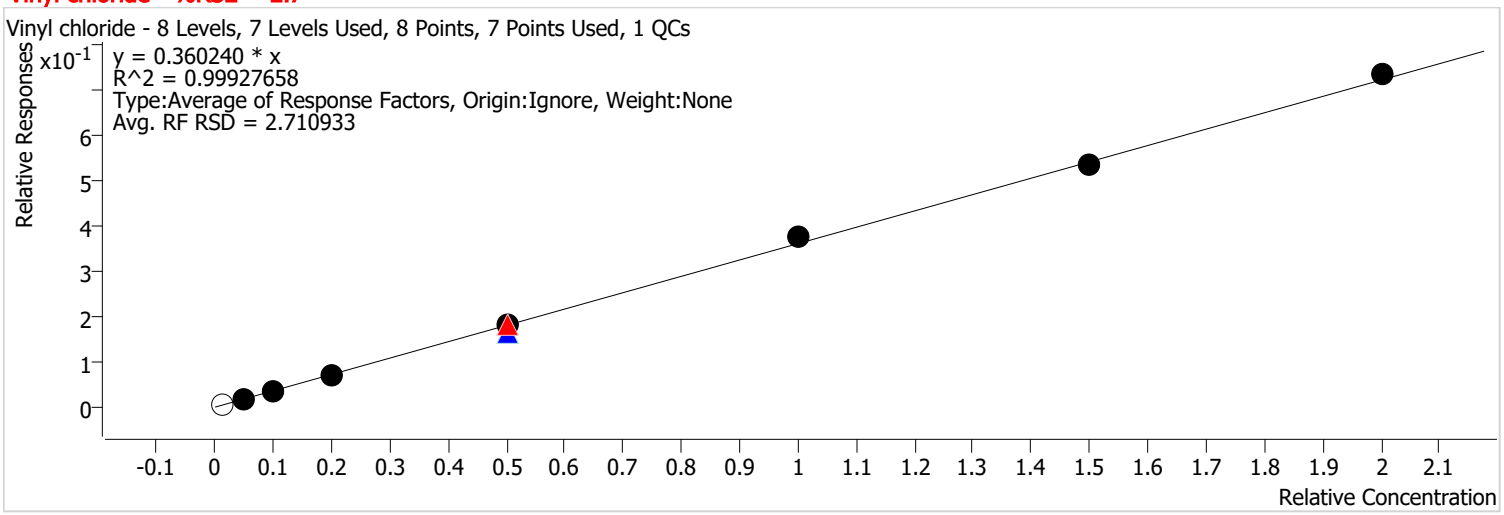
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	15397	12.5000	0.3834	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	33801	25.0000	0.4130	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	63351	50.0000	0.3928	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	170190	125.0000	0.3983	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	151864	125.0000	0.3424	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	170190	125.0000	0.3983	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	346531	250.0000	0.3962	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	529250	375.0000	0.3942	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	718053	500.0000	0.3924	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:43 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

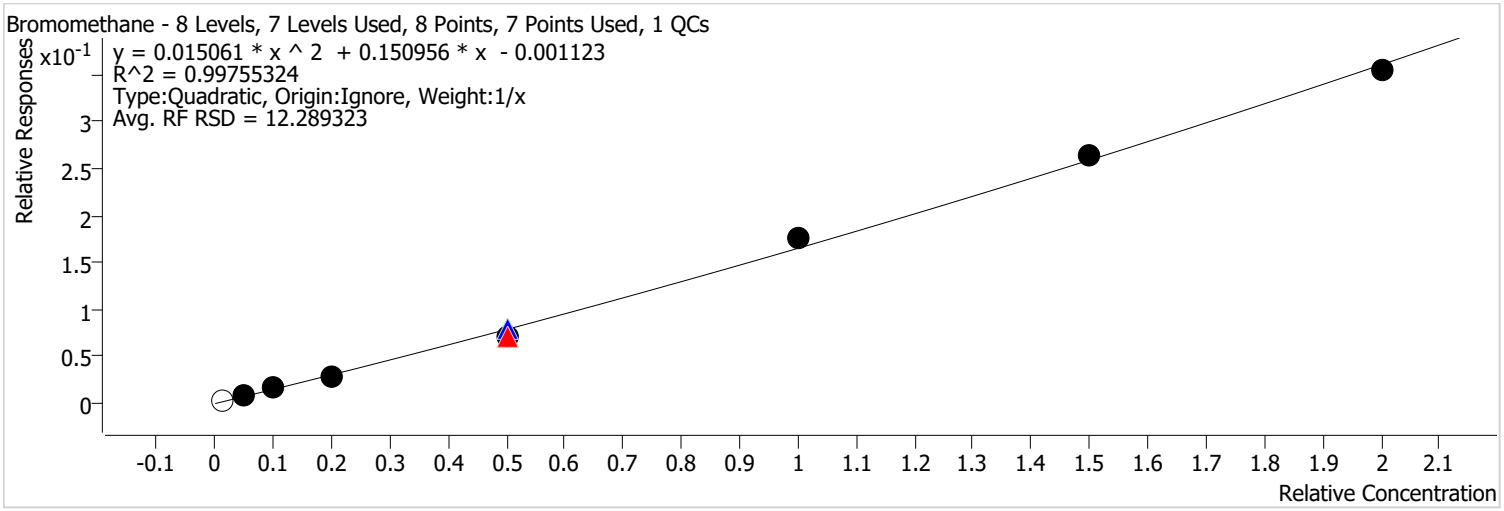
Vinyl chloride %RSE = 2.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\VOA5975C\VG011922\19JAN04.D	Calibration	1		5818	2.5000	0.7325	
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	14225	12.5000	0.3542	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	30072	25.0000	0.3674	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	55437	50.0000	0.3437	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	153733	125.0000	0.3598	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	147423	125.0000	0.3324	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	153733	125.0000	0.3598	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	326478	250.0000	0.3733	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	479607	375.0000	0.3573	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	669671	500.0000	0.3660	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:43 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Bromomethane %RSE = 7.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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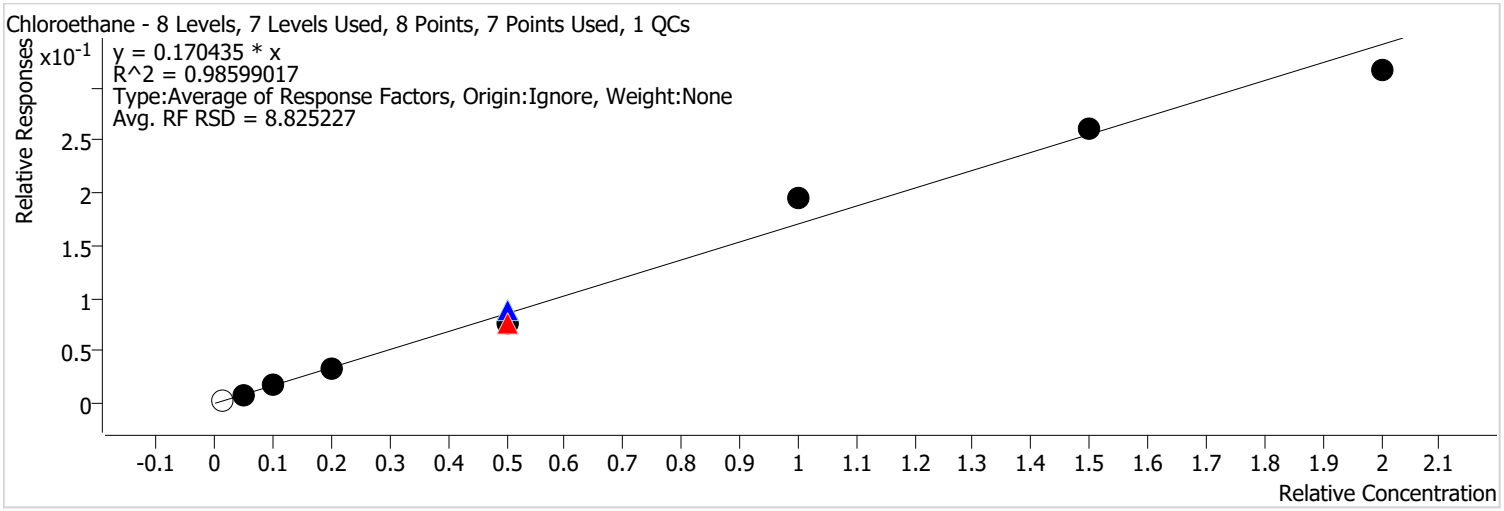
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	5411	12.5000	0.1347	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	12135	25.0000	0.1483	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	22944	50.0000	0.1423	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	59520	125.0000	0.1393	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	69568	125.0000	0.1569	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	59520	125.0000	0.1393	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	153759	250.0000	0.1758	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	235754	375.0000	0.1756	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	324434	500.0000	0.1773	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:43 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Chloroethane %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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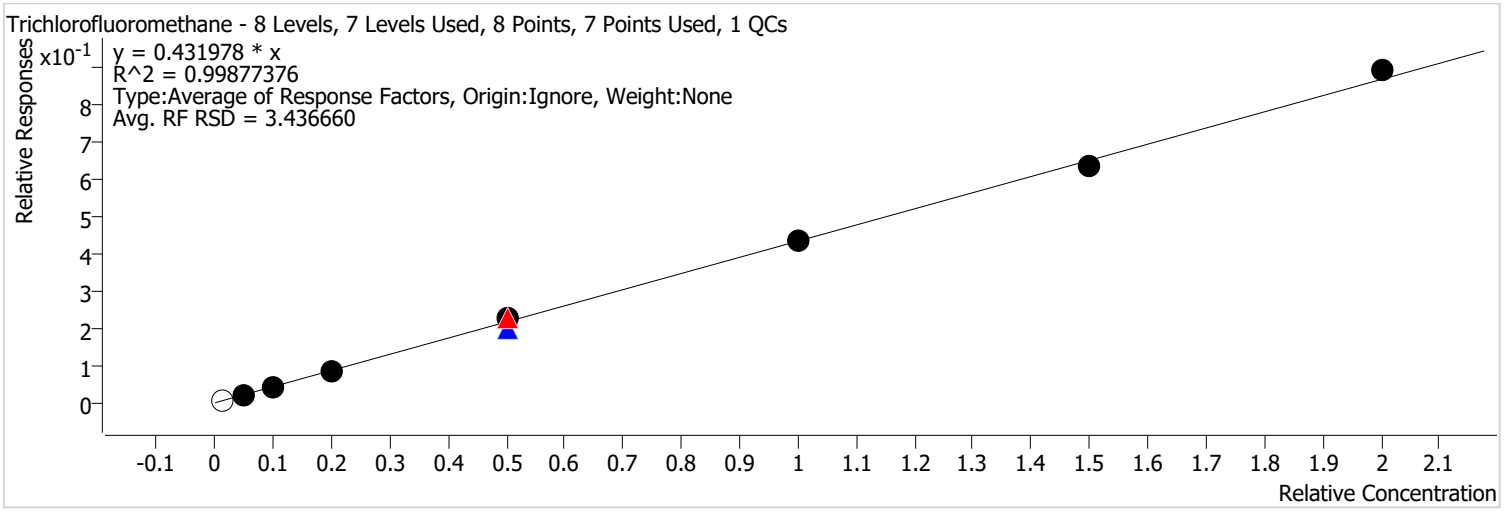
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	6576	12.5000	0.1637	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	15096	25.0000	0.1844	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	26569	50.0000	0.1647	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	65407	125.0000	0.1531	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	77755	125.0000	0.1753	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	65407	125.0000	0.1531	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	170795	250.0000	0.1953	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	233233	375.0000	0.1737	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	289150	500.0000	0.1580	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:43 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Trichlorofluoromethane %RSE = 3.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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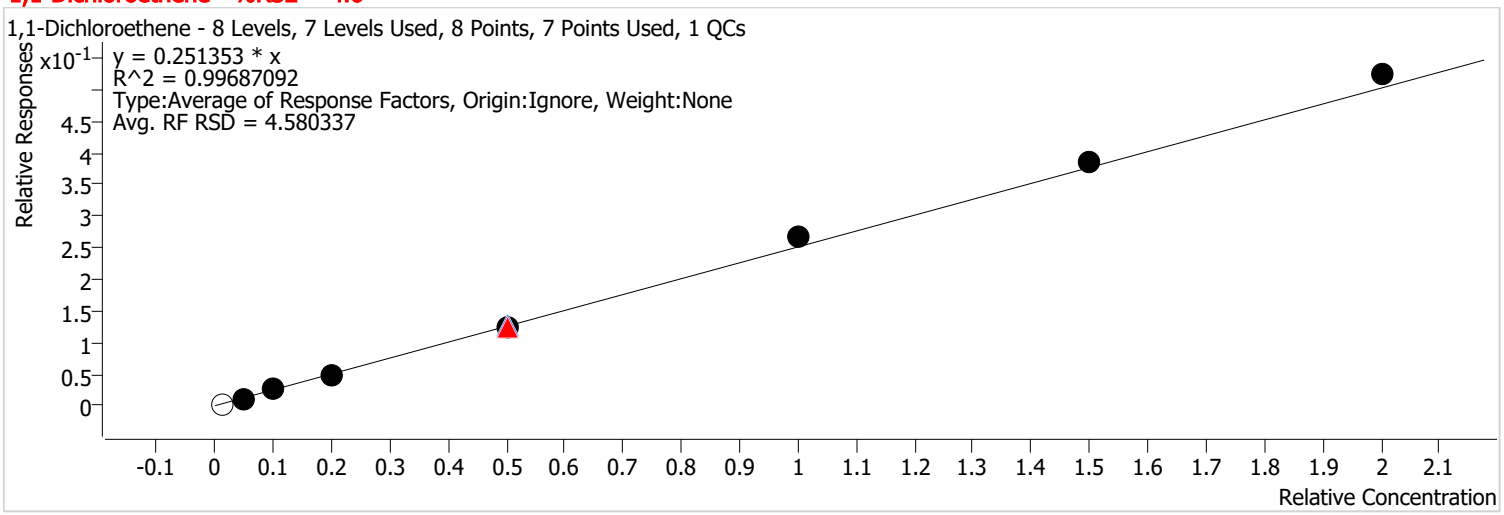
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	16916	12.5000	0.4212	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	35936	25.0000	0.4390	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	66016	50.0000	0.4093	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	193579	125.0000	0.4530	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	172504	125.0000	0.3890	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	193579	125.0000	0.4530	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	379318	250.0000	0.4337	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	569126	375.0000	0.4239	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	811600	500.0000	0.4435	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:43 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,1-Dichloroethene %RSE = 4.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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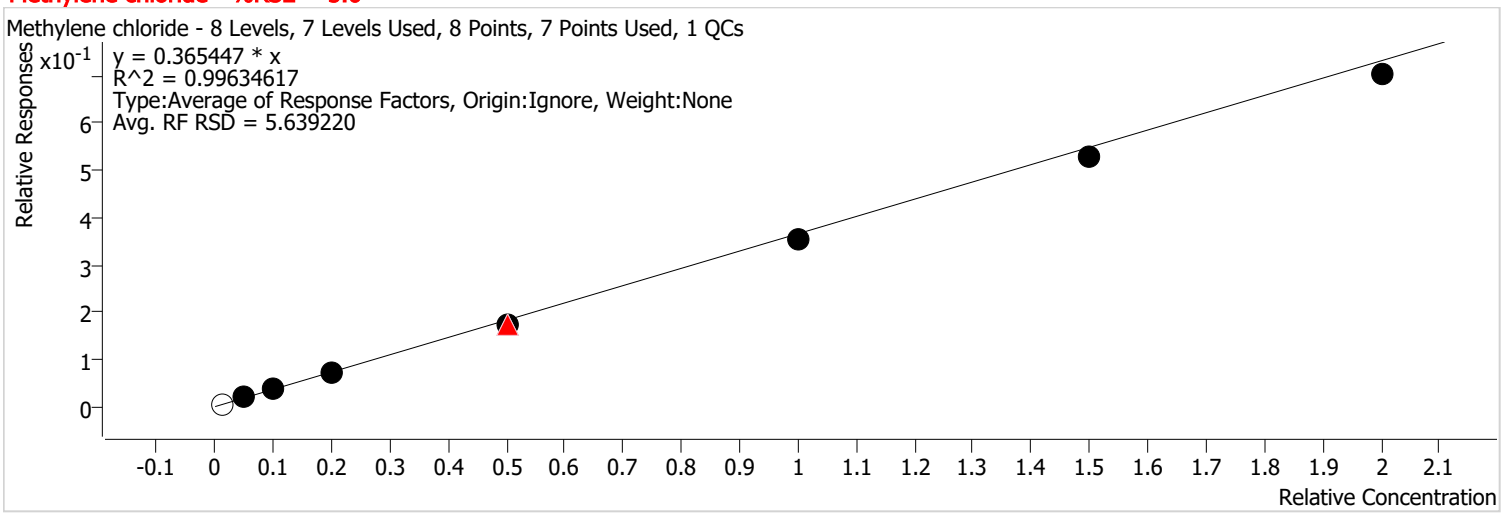
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	9440	12.5000	0.2351	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	20674	25.0000	0.2526	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	38644	50.0000	0.2396	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	105649	125.0000	0.2473	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	113673	125.0000	0.2563	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	105649	125.0000	0.2473	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	233356	250.0000	0.2668	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	344045	375.0000	0.2563	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	479145	500.0000	0.2618	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:43 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Methylene chloride %RSE = 5.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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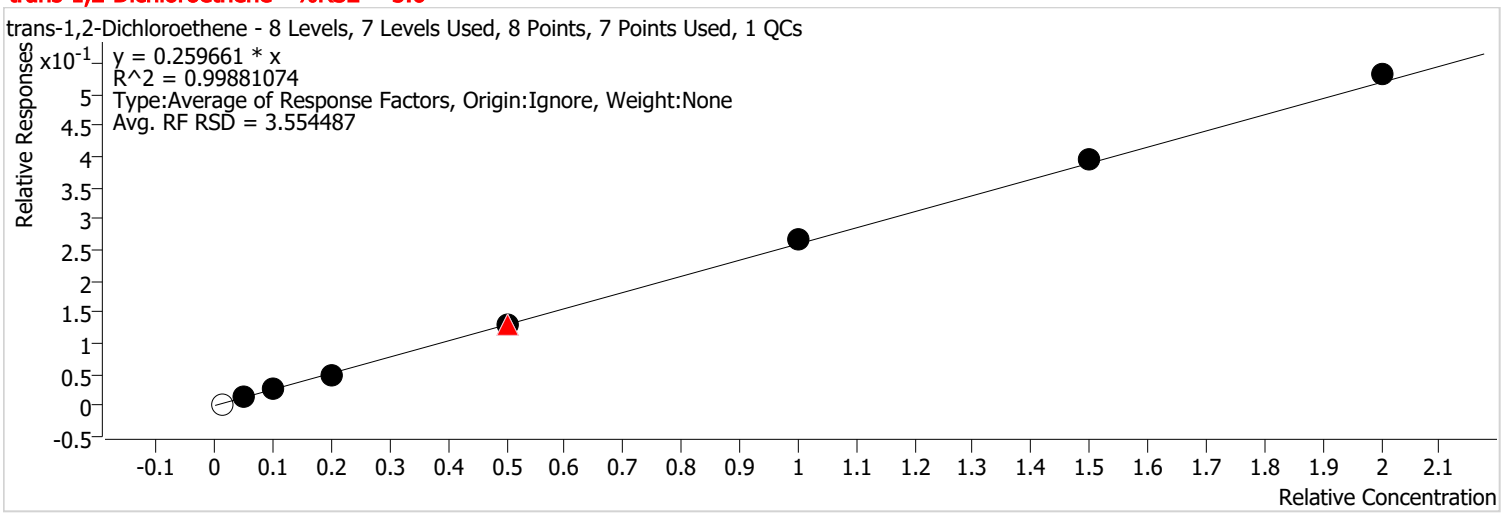
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	15719	12.5000	0.3914	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	32623	25.0000	0.3986	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	58184	50.0000	0.3608	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	149957	125.0000	0.3509	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	152883	125.0000	0.3447	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	149957	125.0000	0.3509	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	310597	250.0000	0.3551	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	470733	375.0000	0.3507	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	641583	500.0000	0.3506	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:43 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

trans-1,2-Dichloroethene %RSE = 3.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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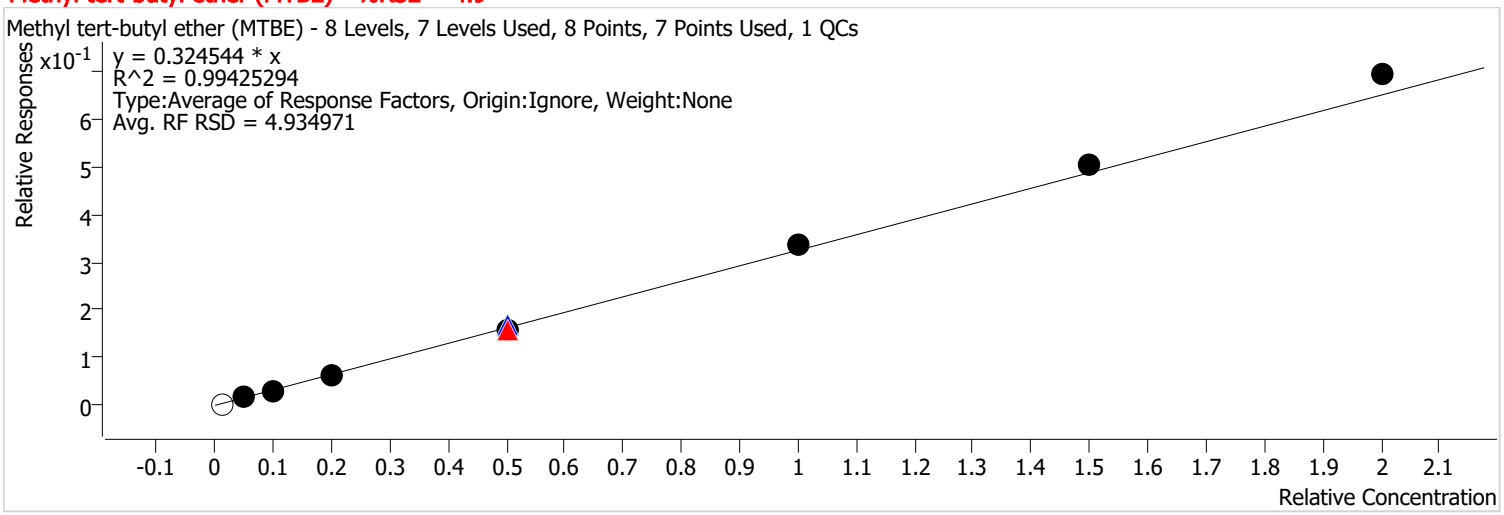
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	10455	12.5000	0.2603	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	21348	25.0000	0.2608	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	38732	50.0000	0.2402	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	110255	125.0000	0.2580	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	115302	125.0000	0.2600	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	110255	125.0000	0.2580	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	233769	250.0000	0.2673	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	355984	375.0000	0.2652	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	486383	500.0000	0.2658	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:43 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Methyl tert-butyl ether (MTBE) %RSE = 4.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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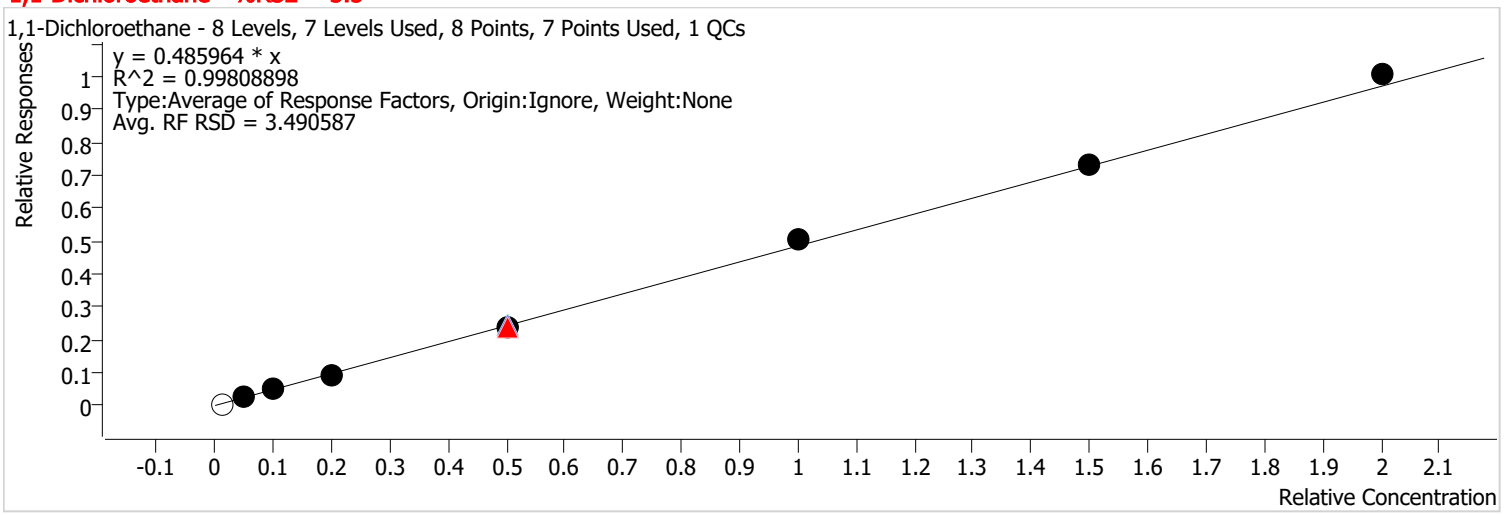
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	12721	12.5000	0.3168	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	24989	25.0000	0.3053	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	49617	50.0000	0.3077	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	136973	125.0000	0.3206	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	150210	125.0000	0.3387	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	136973	125.0000	0.3206	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	296029	250.0000	0.3385	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	452747	375.0000	0.3373	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	632731	500.0000	0.3458	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:43 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,1-Dichloroethane %RSE = 3.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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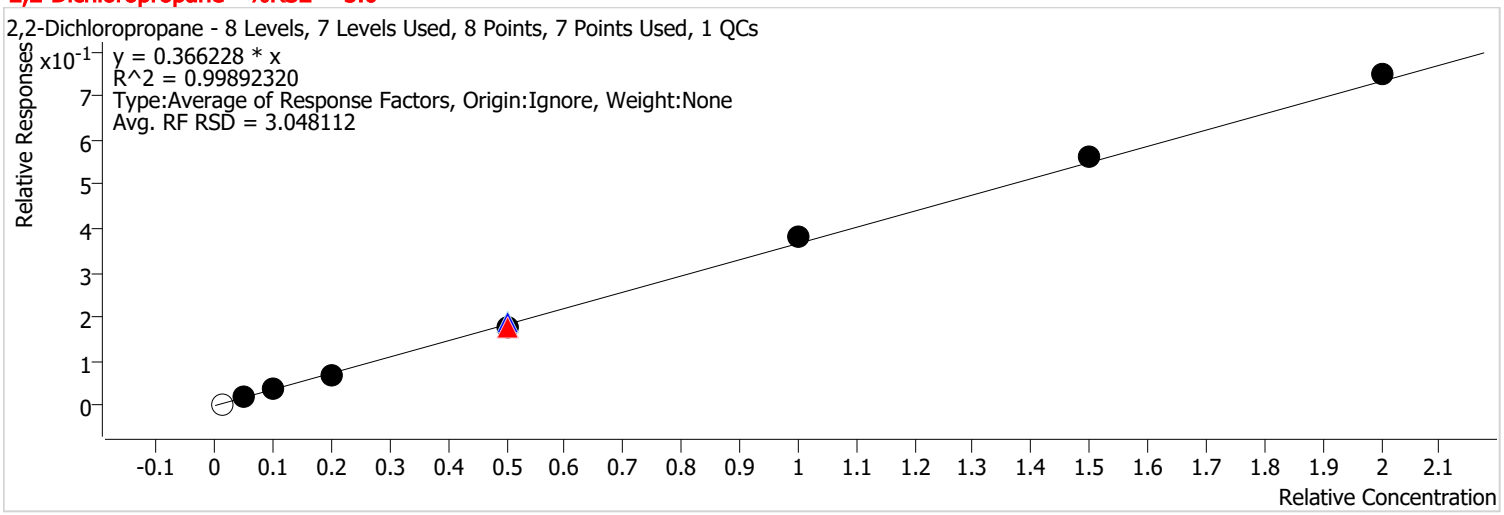
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	40298	25.0000	0.4923	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	75497	50.0000	0.4681	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	205663	125.0000	0.4813	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	218409	125.0000	0.4925	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	205663	125.0000	0.4813	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	442070	250.0000	0.5055	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	658287	375.0000	0.4904	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	921258	500.0000	0.5035	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:43 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2,2-Dichloropropane %RSE = 3.0

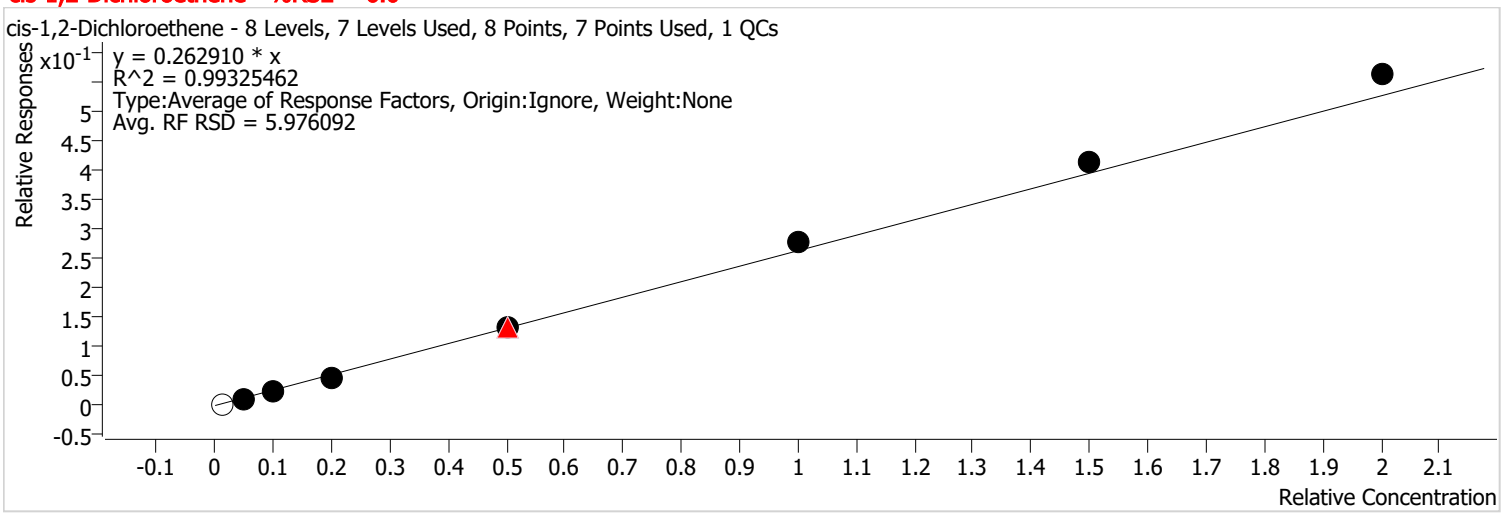


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\VOA5975C\VG011922\19JAN04.D	Calibration	1		3183	2.5000	0.4008	
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	14213	12.5000	0.3539	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	30539	25.0000	0.3731	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	56651	50.0000	0.3513	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	153450	125.0000	0.3591	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	169689	125.0000	0.3826	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	153450	125.0000	0.3591	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	331689	250.0000	0.3793	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	501019	375.0000	0.3732	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	683822	500.0000	0.3737	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

cis-1,2-Dichloroethene %RSE = 6.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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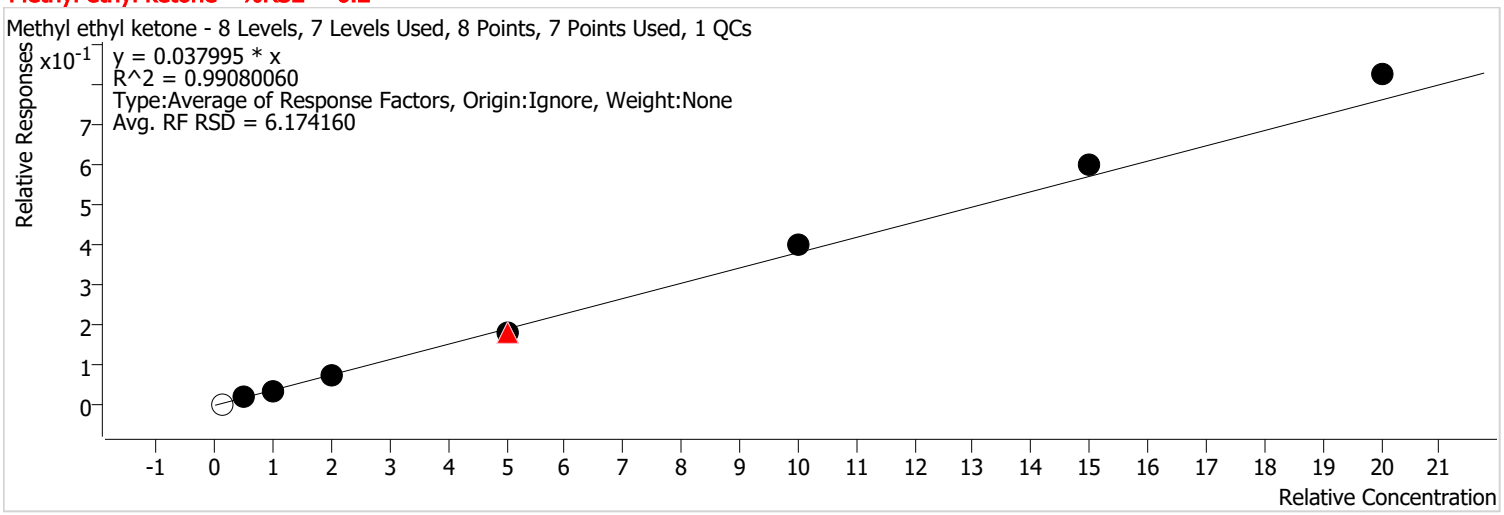
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	9874	12.5000	0.2459	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	20810	25.0000	0.2542	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	39093	50.0000	0.2424	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	112808	125.0000	0.2640	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	118223	125.0000	0.2666	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	112808	125.0000	0.2640	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	243087	250.0000	0.2780	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	369412	375.0000	0.2752	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	513671	500.0000	0.2807	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Methyl ethyl ketone %RSE = 6.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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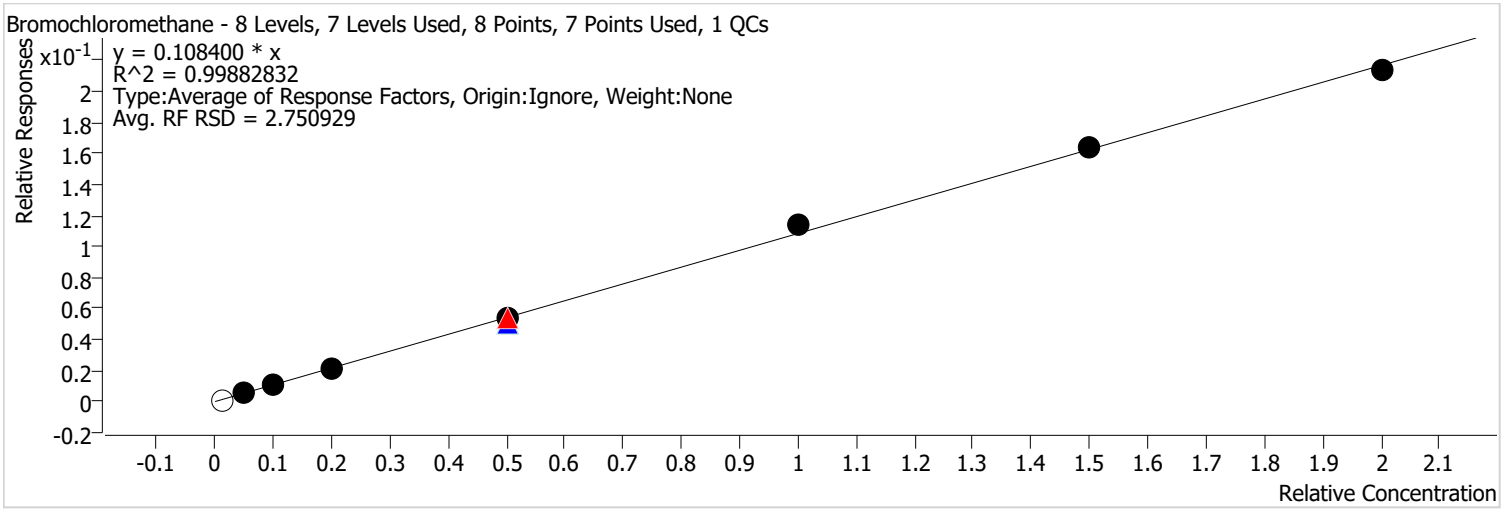
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	15038	125.0000	0.0374	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	28861	250.0000	0.0353	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	58185	500.0000	0.0361	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	154105	1250.0000	0.0361	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	160409	1250.0000	0.0362	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	154105	1250.0000	0.0361	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	348492	2500.0000	0.0398	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	538796	3750.0000	0.0401	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	752615	5000.0000	0.0411	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Bromochloromethane %RSE = 2.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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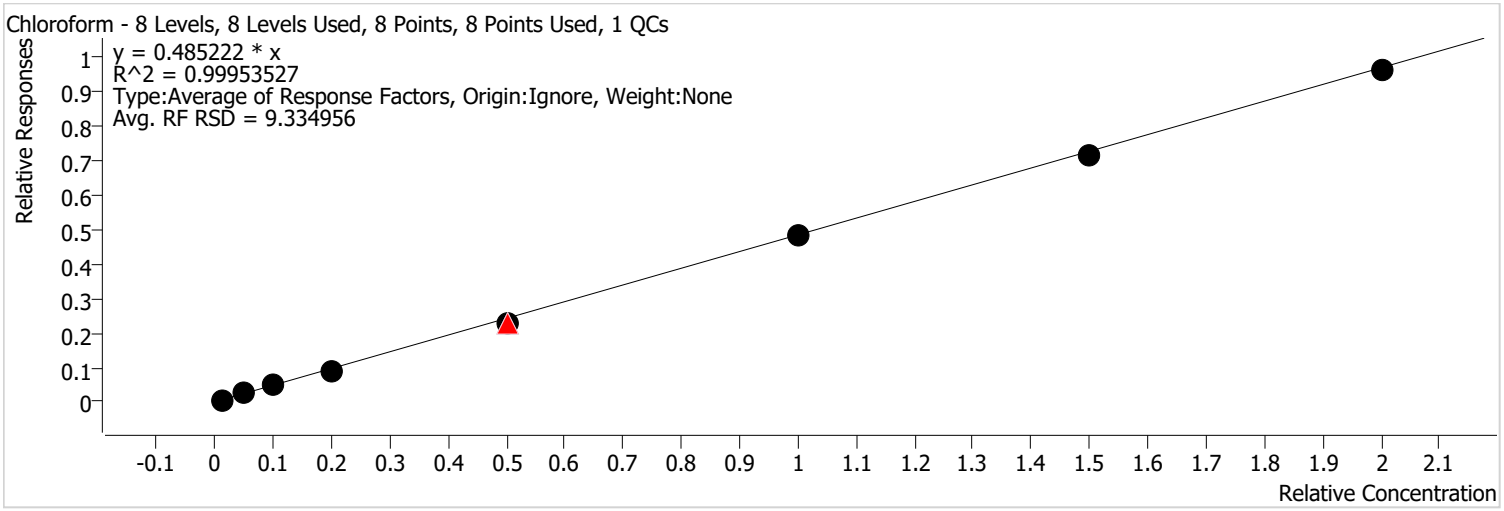
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	4232	12.5000	0.1054	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	8977	25.0000	0.1097	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	17084	50.0000	0.1059	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	45958	125.0000	0.1076	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	45441	125.0000	0.1025	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	45958	125.0000	0.1076	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	99685	250.0000	0.1140	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	147182	375.0000	0.1096	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	195140	500.0000	0.1066	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Chloroform %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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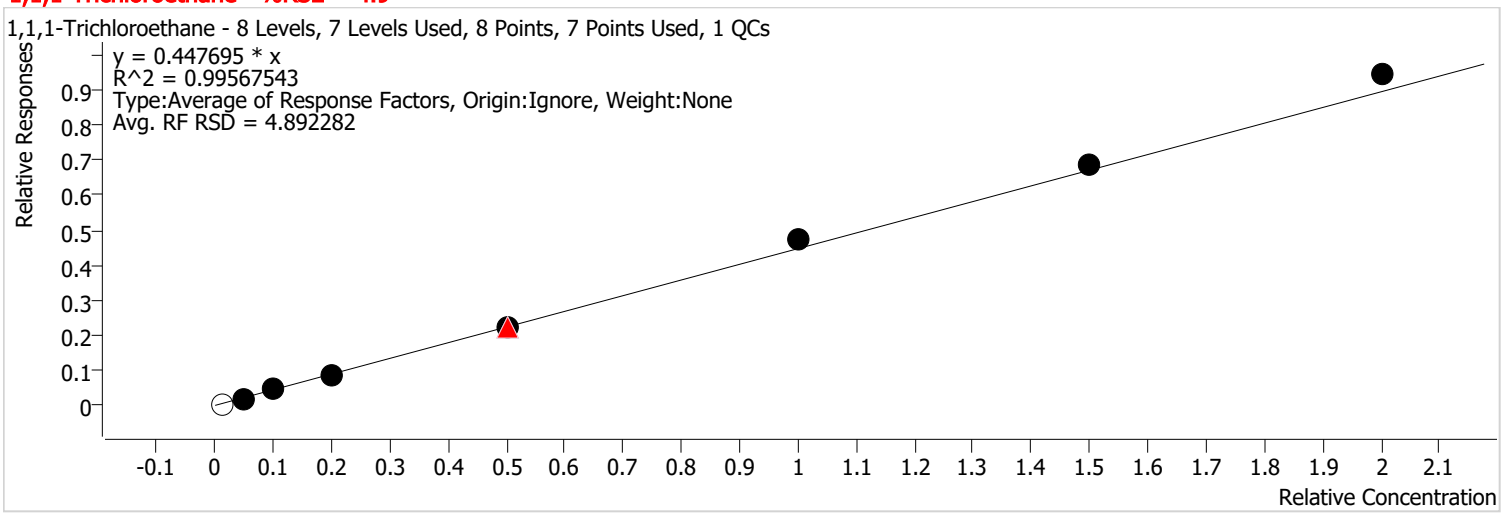
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	18593	12.5000	0.4630	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	38158	25.0000	0.4662	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	74048	50.0000	0.4591	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	196261	125.0000	0.4593	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	199758	125.0000	0.4504	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	196261	125.0000	0.4593	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	420250	250.0000	0.4805	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	641596	375.0000	0.4779	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	879544	500.0000	0.4807	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,1,1-Trichloroethane %RSE = 4.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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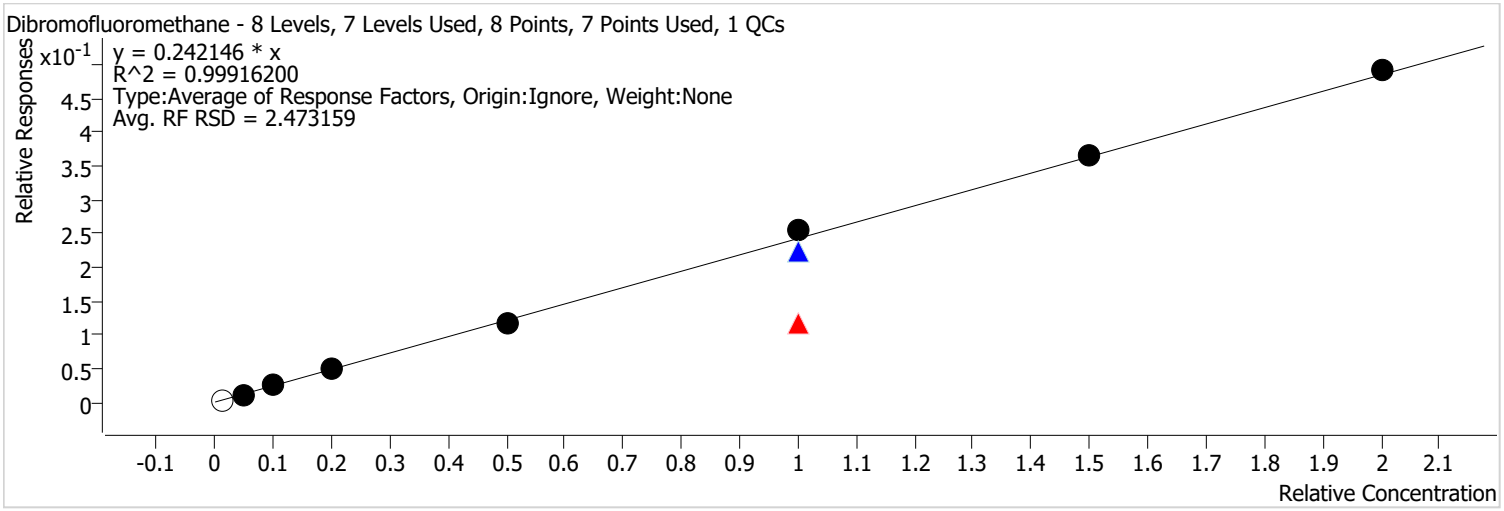
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	16614	12.5000	0.4137	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	36046	25.0000	0.4404	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	69594	50.0000	0.4315	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	189468	125.0000	0.4434	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	195526	125.0000	0.4409	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	189468	125.0000	0.4434	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	414139	250.0000	0.4735	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	616756	375.0000	0.4594	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	863441	500.0000	0.4719	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dibromofluoromethane %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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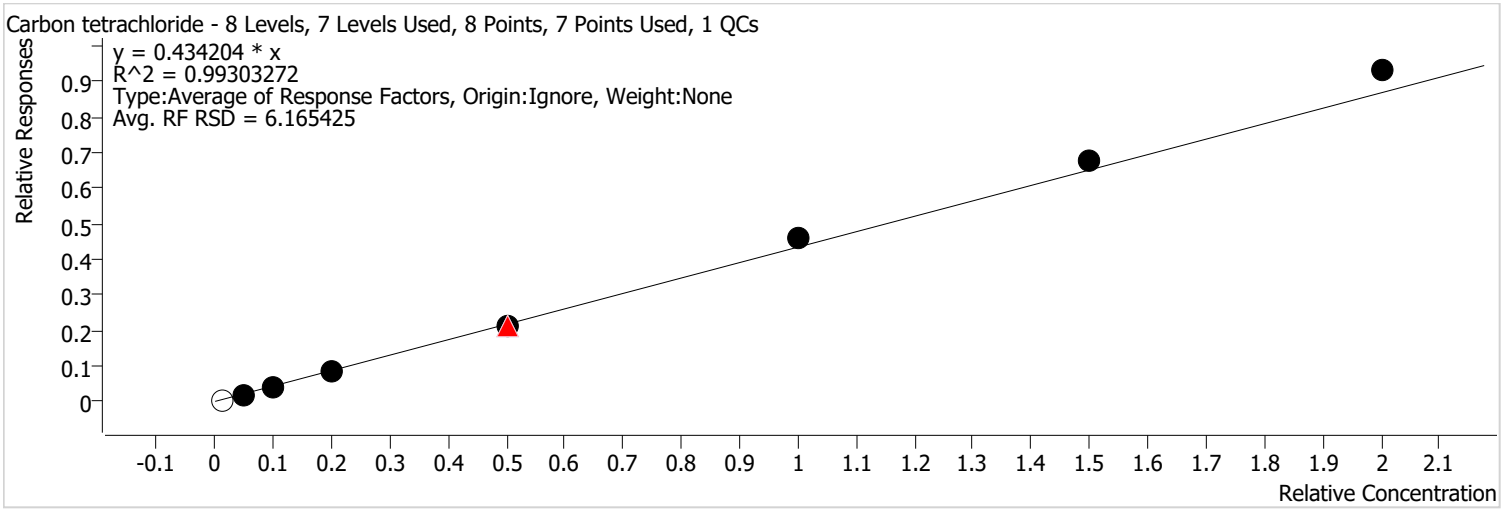
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	9521	12.5000	0.2371	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	19834	25.0000	0.2423	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	38453	50.0000	0.2384	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	100821	125.0000	0.2360	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	100821	250.0000	0.1180	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	198103	250.0000	0.2234	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	221667	250.0000	0.2535	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	325687	375.0000	0.2426	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	448615	500.0000	0.2452	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Carbon tetrachloride %RSE = 6.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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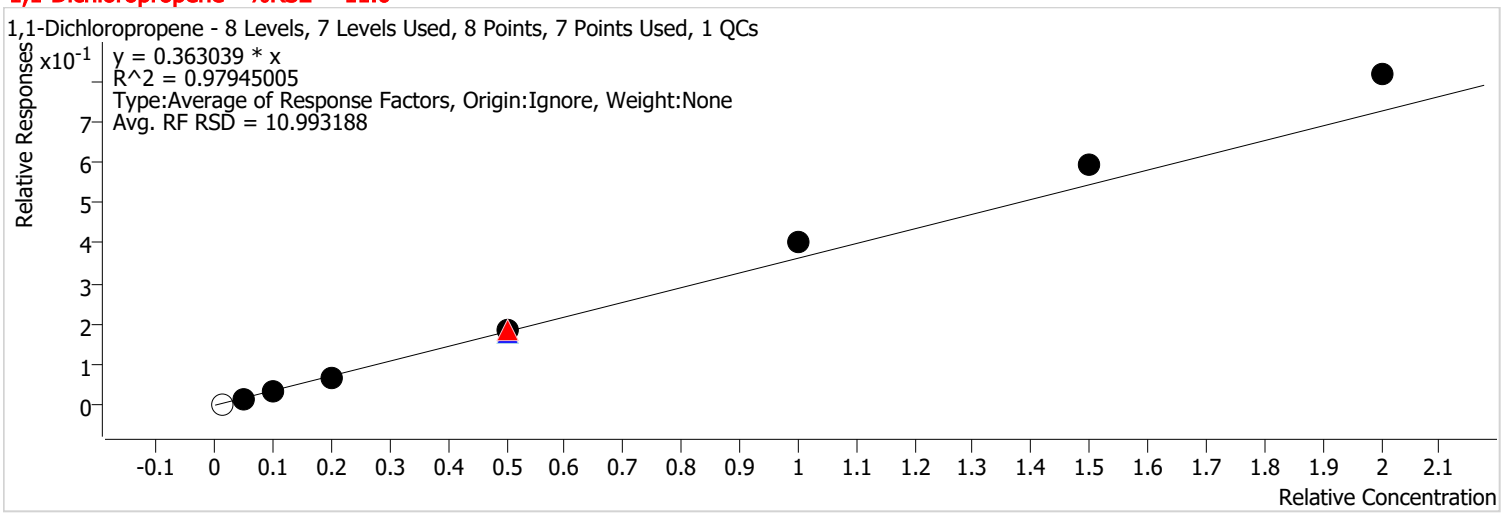
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	15775	12.5000	0.3928	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	34965	25.0000	0.4272	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	66332	50.0000	0.4113	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	183978	125.0000	0.4306	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	187895	125.0000	0.4237	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	183978	125.0000	0.4306	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	404308	250.0000	0.4623	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	604305	375.0000	0.4502	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	851101	500.0000	0.4651	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,1-Dichloropropene %RSE = 11.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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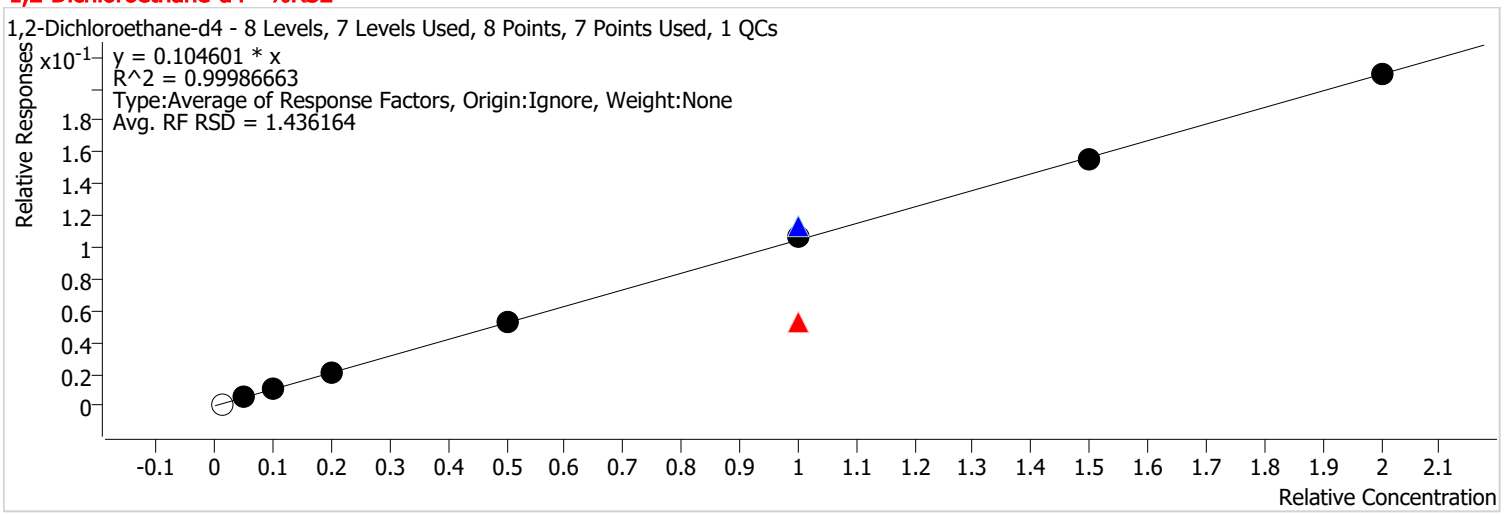
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	27641	25.0000	0.3377	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	52282	50.0000	0.3242	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	156331	125.0000	0.3659	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	158033	125.0000	0.3564	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	156331	125.0000	0.3659	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	350070	250.0000	0.4003	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	531739	375.0000	0.3961	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	746500	500.0000	0.4080	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2-Dichloroethane-d4 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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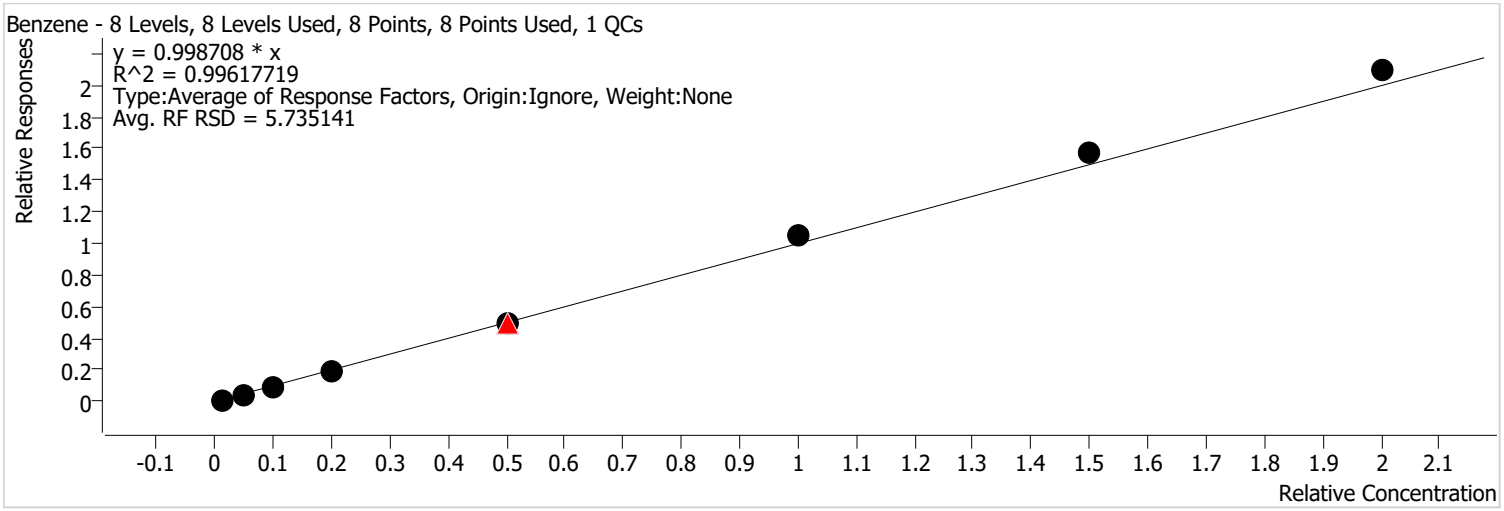
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	4197	12.5000	0.1045	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	8619	25.0000	0.1053	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	16425	50.0000	0.1018	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	45314	125.0000	0.1060	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	45314	250.0000	0.0530	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	100187	250.0000	0.1130	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	92919	250.0000	0.1062	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	139362	375.0000	0.1038	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	191123	500.0000	0.1044	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

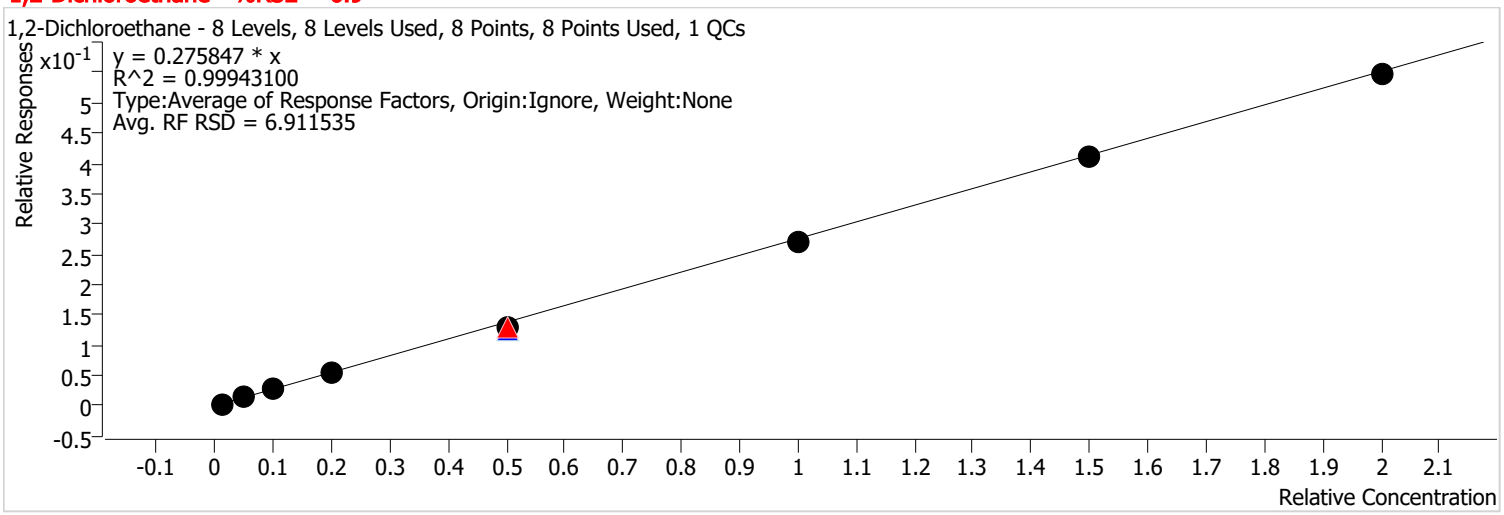
Benzene %RSE = 5.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\VOA5975C\VG011922\19JAN04.D	Calibration	1	x	8357	2.5000	1.0522	
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	37609	12.5000	0.9365	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	76658	25.0000	0.9366	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	149512	50.0000	0.9271	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	424881	125.0000	0.9943	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	442173	125.0000	0.9971	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	424881	125.0000	0.9943	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	920174	250.0000	1.0522	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	1403257	375.0000	1.0453	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	1913180	500.0000	1.0455	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2-Dichloroethane %RSE = 6.9

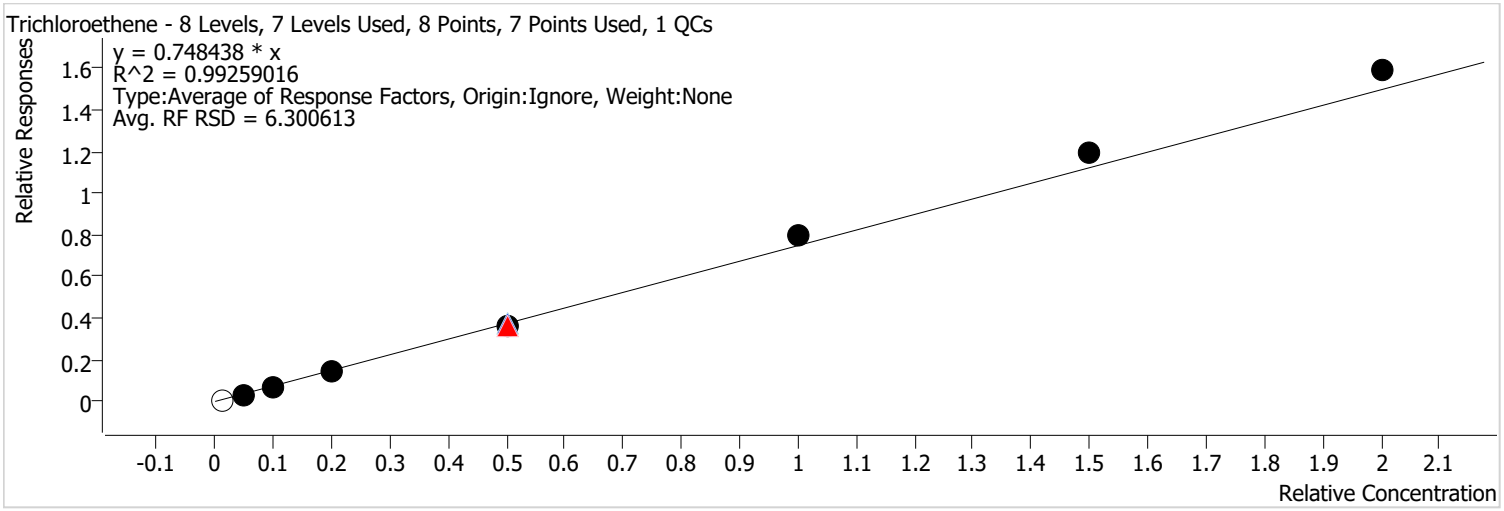


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\VOA5975C\VG011922\19JAN04.D	Calibration	1	x	2542	2.5000	0.3200	
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	11123	12.5000	0.2770	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	21778	25.0000	0.2661	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	43538	50.0000	0.2700	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	109046	125.0000	0.2552	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	110579	125.0000	0.2494	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	109046	125.0000	0.2552	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	236845	250.0000	0.2708	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	368750	375.0000	0.2747	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	499614	500.0000	0.2730	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Trichloroethene %RSE = 6.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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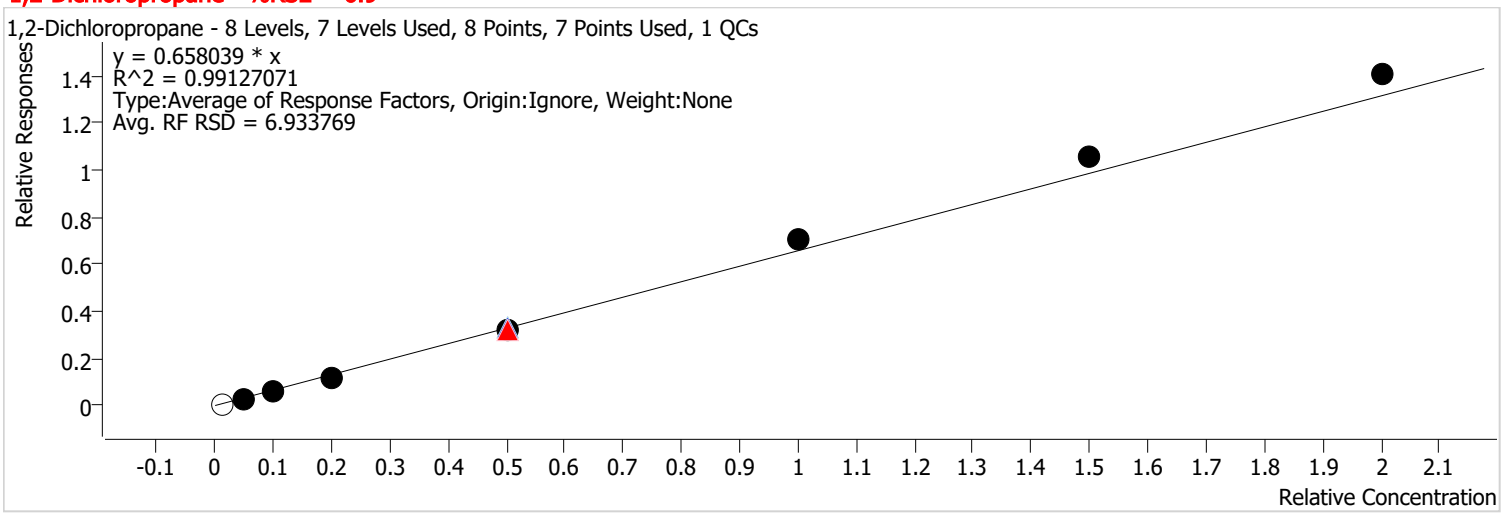
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	10949	12.5000	0.6980	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	23390	25.0000	0.7284	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	44214	50.0000	0.6933	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	120511	125.0000	0.7293	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	128332	125.0000	0.7607	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	120511	125.0000	0.7293	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	265703	250.0000	0.7973	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	399934	375.0000	0.7989	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	553822	500.0000	0.7938	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2-Dichloropropane %RSE = 6.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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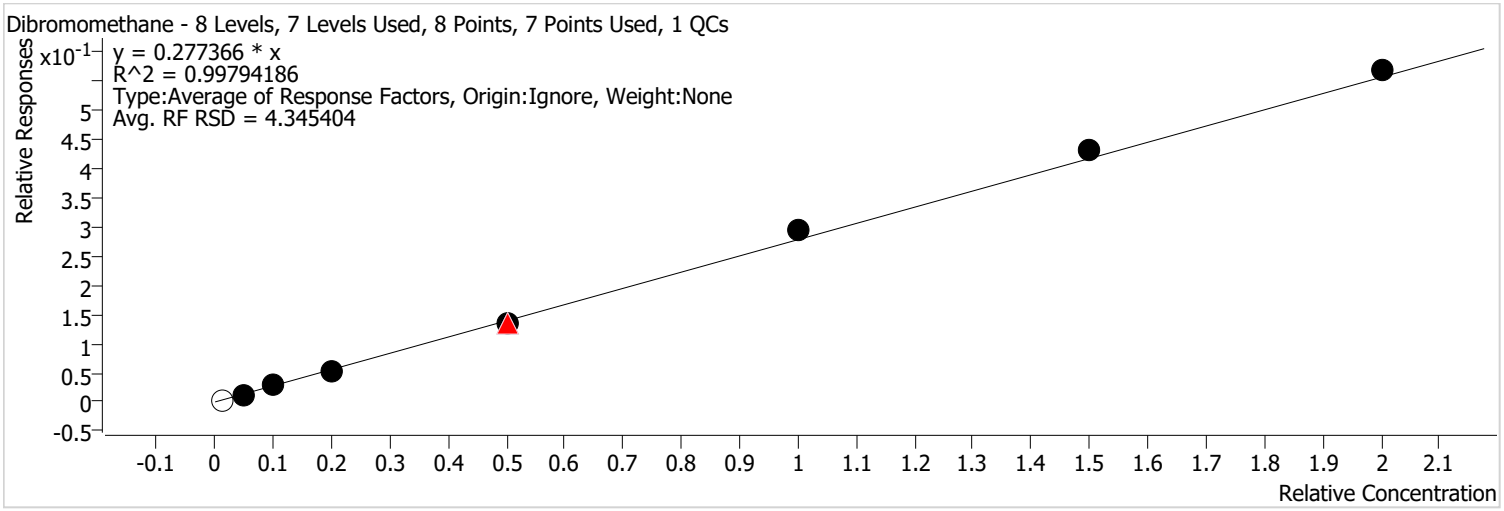
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	9499	12.5000	0.6056	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	20331	25.0000	0.6332	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	38730	50.0000	0.6073	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	106955	125.0000	0.6473	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	111240	125.0000	0.6594	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	106955	125.0000	0.6473	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	235120	250.0000	0.7055	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	352771	375.0000	0.7047	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	490282	500.0000	0.7028	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:44 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dibromomethane %RSE = 4.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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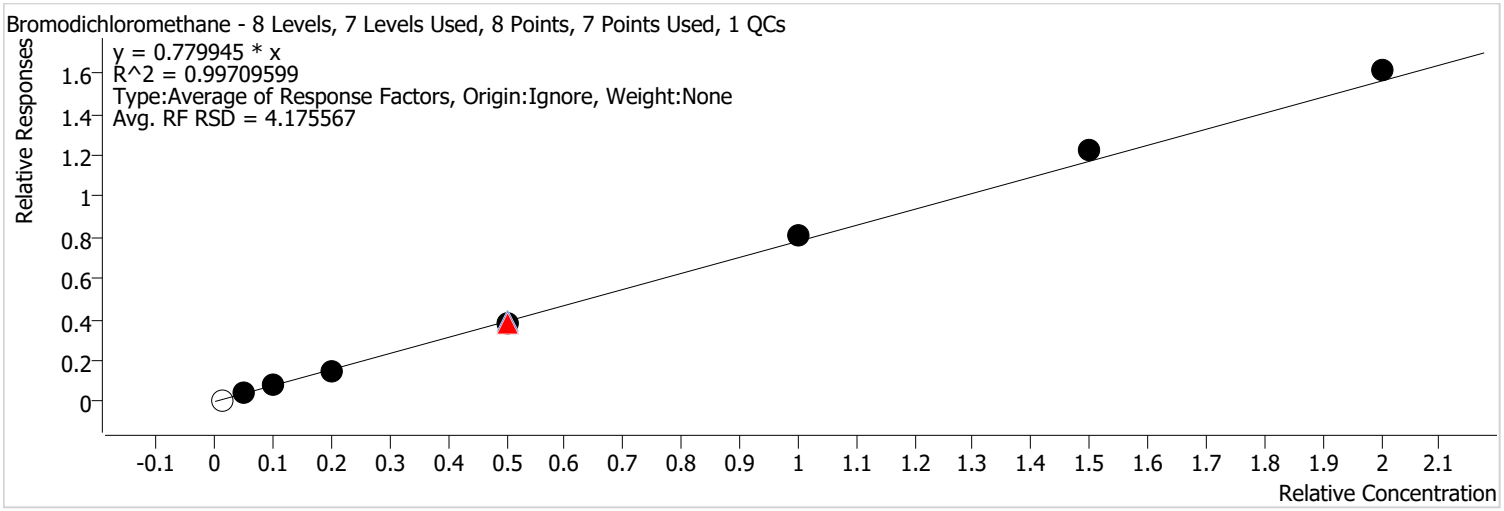
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	4088	12.5000	0.2606	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	9095	25.0000	0.2833	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	16899	50.0000	0.2650	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	44657	125.0000	0.2703	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	44818	125.0000	0.2657	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	44657	125.0000	0.2703	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	97445	250.0000	0.2924	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	143756	375.0000	0.2872	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	197367	500.0000	0.2829	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Bromodichloromethane %RSE = 4.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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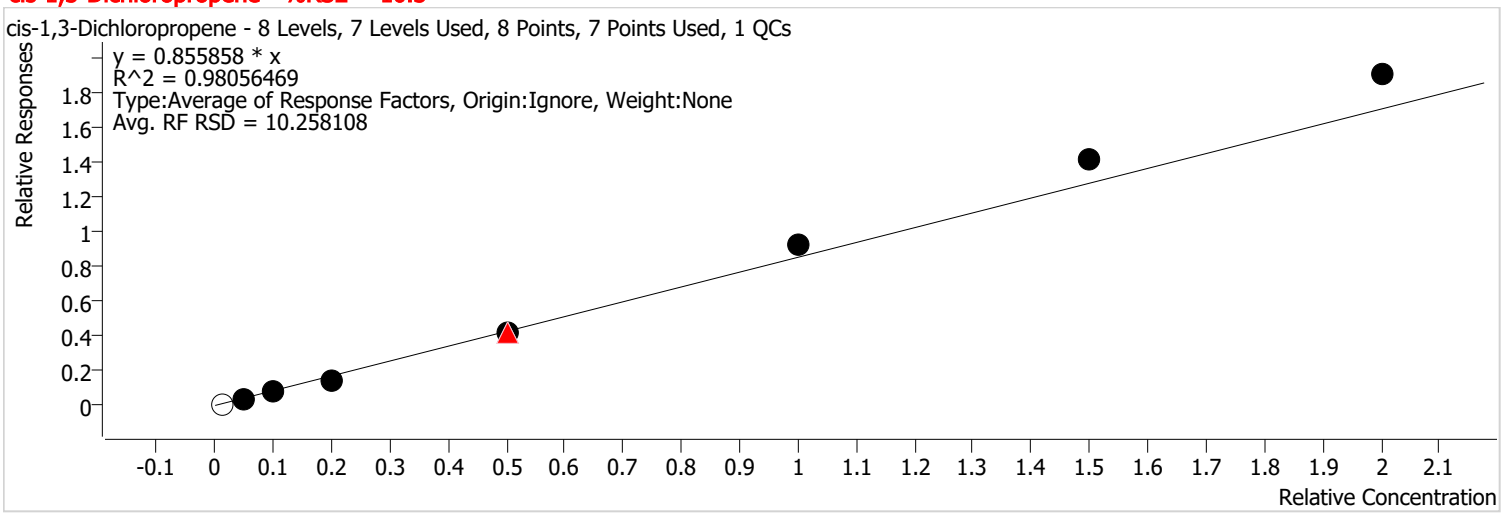
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	12025	12.5000	0.7666	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	24925	25.0000	0.7763	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	46426	50.0000	0.7280	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	124982	125.0000	0.7564	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	131590	125.0000	0.7801	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	124982	125.0000	0.7564	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	270436	250.0000	0.8115	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	408420	375.0000	0.8159	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	561671	500.0000	0.8051	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

cis-1,3-Dichloropropene %RSE = 10.3

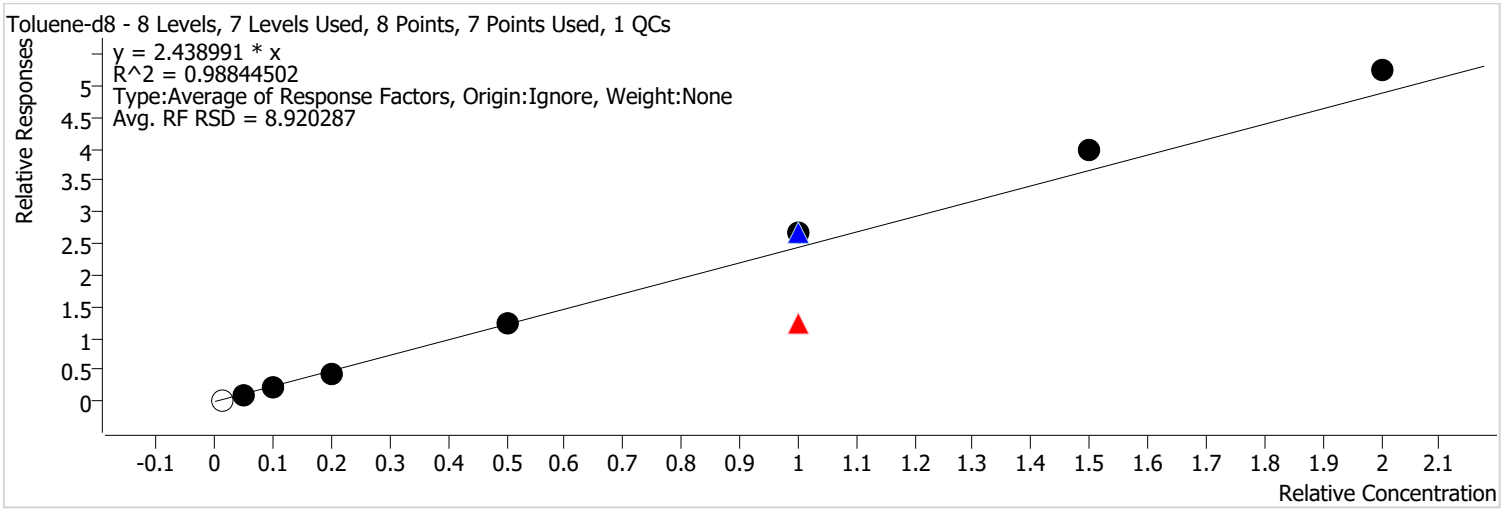


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\VOA5975C\VG011922\19JAN04.D	Calibration	1		3052	2.5000	0.9643	
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	12472	12.5000	0.7951	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	24965	25.0000	0.7775	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	47339	50.0000	0.7423	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	139607	125.0000	0.8449	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	139981	125.0000	0.8298	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	139607	125.0000	0.8449	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	311156	250.0000	0.9336	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	471983	375.0000	0.9428	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	666084	500.0000	0.9548	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Toluene-d8 %RSE =

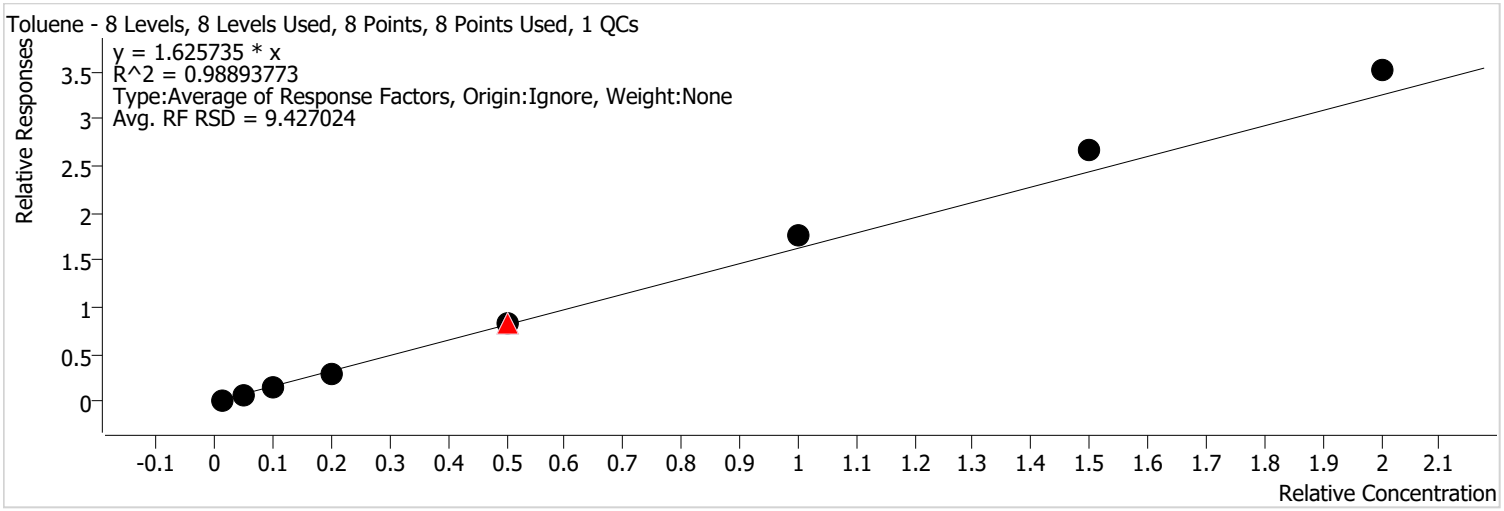


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\VOA5975C\VG011922\19JAN04.D	Calibration	1		8454	2.5000	2.6712	
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	33951	12.5000	2.1644	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	72066	25.0000	2.2444	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	142617	50.0000	2.2362	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	412799	125.0000	2.4983	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	412799	250.0000	1.2491	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	896928	250.0000	2.6585	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	885297	250.0000	2.6564	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	1329503	375.0000	2.6558	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	1826060	500.0000	2.6175	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Toluene %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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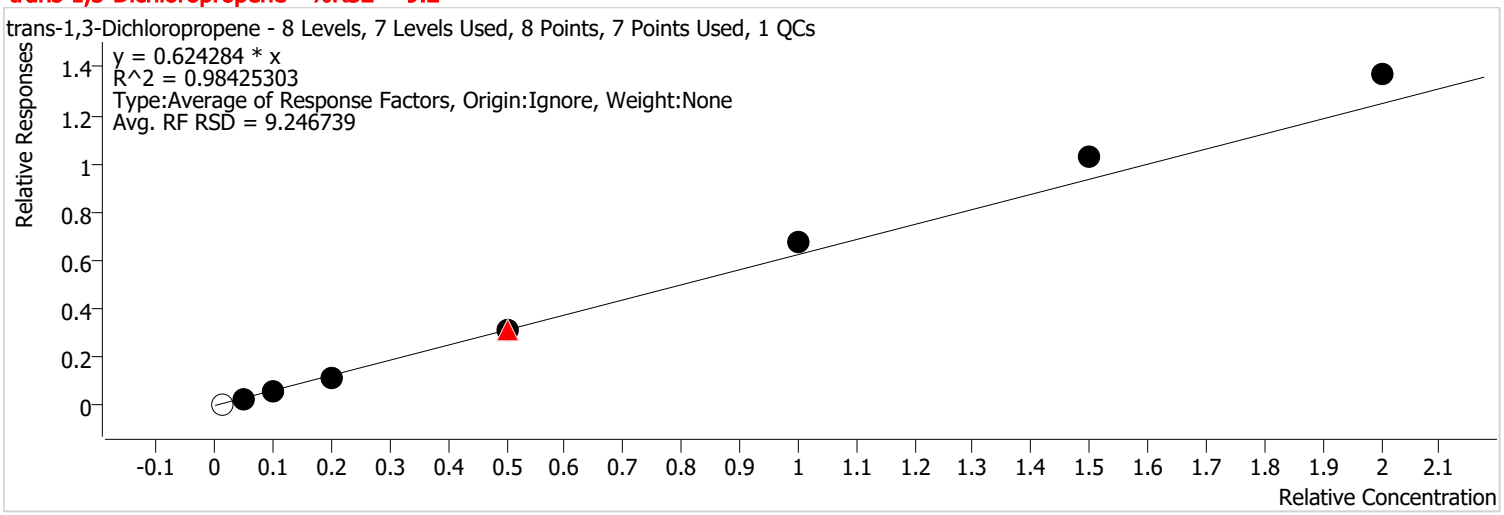
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	21899	12.5000	1.3961	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	48441	25.0000	1.5086	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	92615	50.0000	1.4522	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	269549	125.0000	1.6313	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	277703	125.0000	1.6462	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	269549	125.0000	1.6313	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	587069	250.0000	1.7615	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	890126	375.0000	1.7781	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	1224192	500.0000	1.7547	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

trans-1,3-Dichloropropene %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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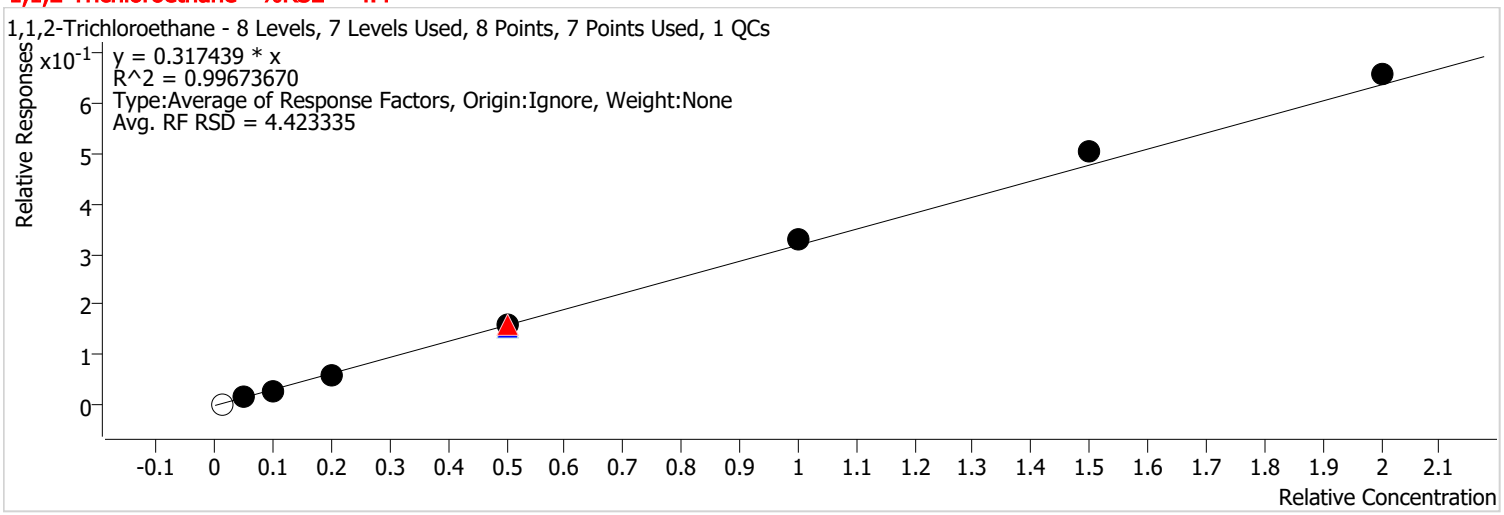
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	8755	12.5000	0.5581	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	18613	25.0000	0.5797	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	36009	50.0000	0.5646	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	102846	125.0000	0.6224	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	105873	125.0000	0.6276	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	102846	125.0000	0.6224	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	223772	250.0000	0.6714	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	345161	375.0000	0.6895	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	477330	500.0000	0.6842	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,1,2-Trichloroethane %RSE = 4.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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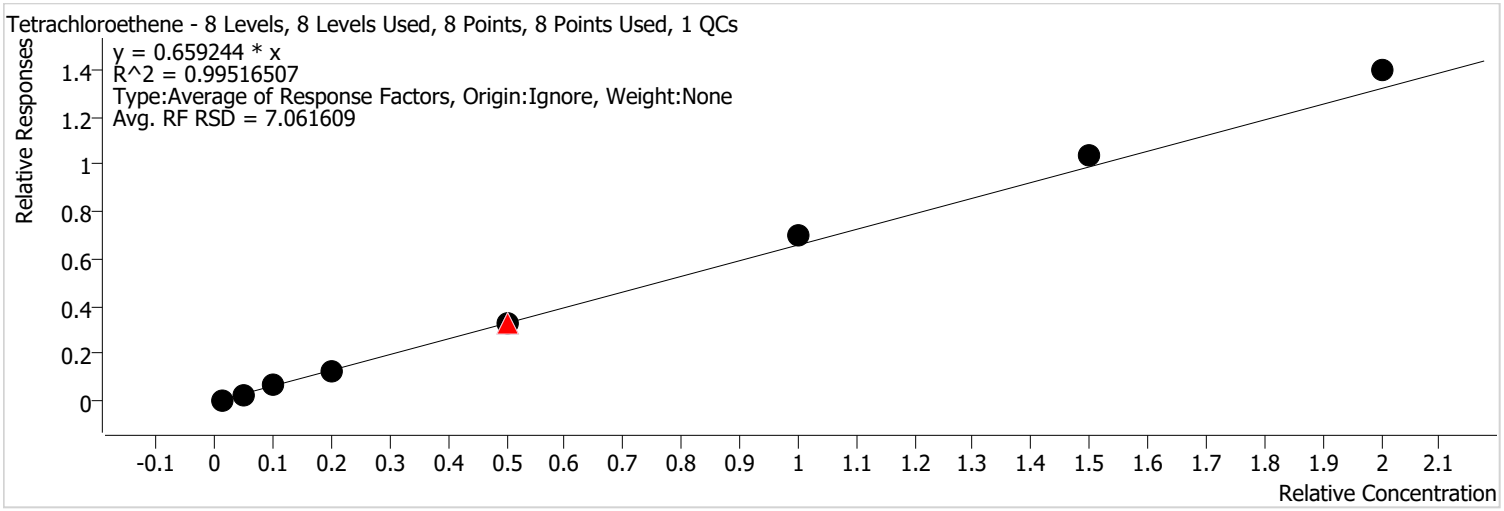
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	4762	12.5000	0.3036	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	9780	25.0000	0.3046	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	19237	50.0000	0.3016	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	52780	125.0000	0.3194	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	52407	125.0000	0.3107	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	52780	125.0000	0.3194	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	110317	250.0000	0.3310	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	167409	375.0000	0.3344	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	228423	500.0000	0.3274	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

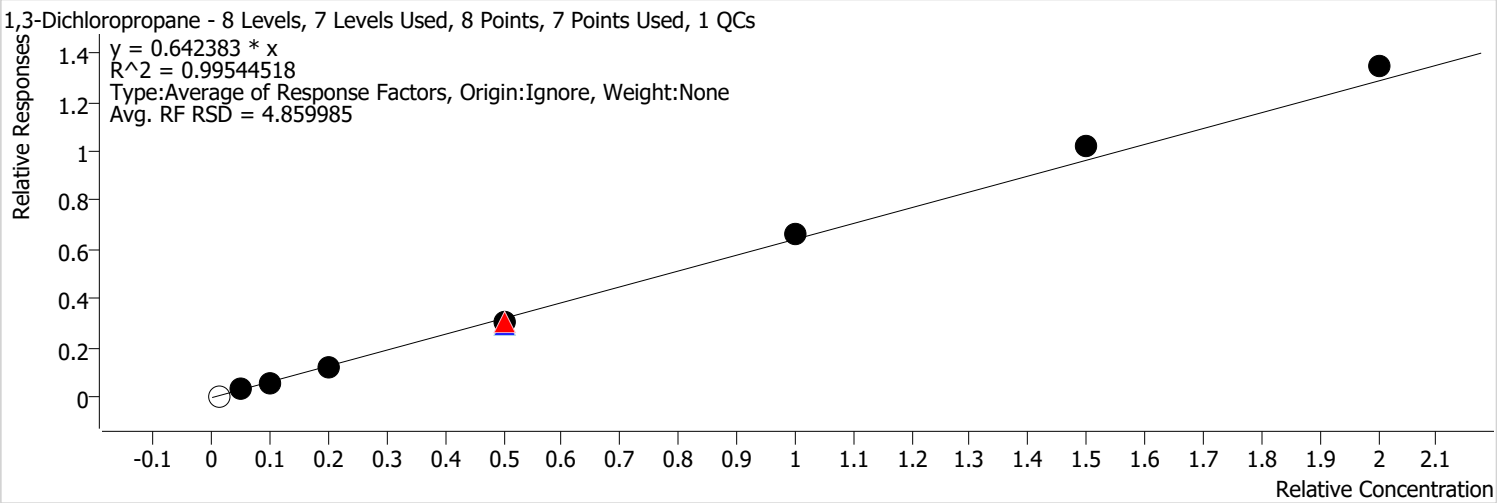
Tetrachloroethene %RSE = 7.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\VOA5975C\VG011922\19JAN04.D	Calibration	1	x	2190	2.5000	0.6920	
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	8964	12.5000	0.5715	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	21156	25.0000	0.6589	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	38749	50.0000	0.6076	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	109194	125.0000	0.6608	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	112100	125.0000	0.6645	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	109194	125.0000	0.6608	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	231586	250.0000	0.6949	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	346235	375.0000	0.6916	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	486052	500.0000	0.6967	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,3-Dichloropropane %RSE = 4.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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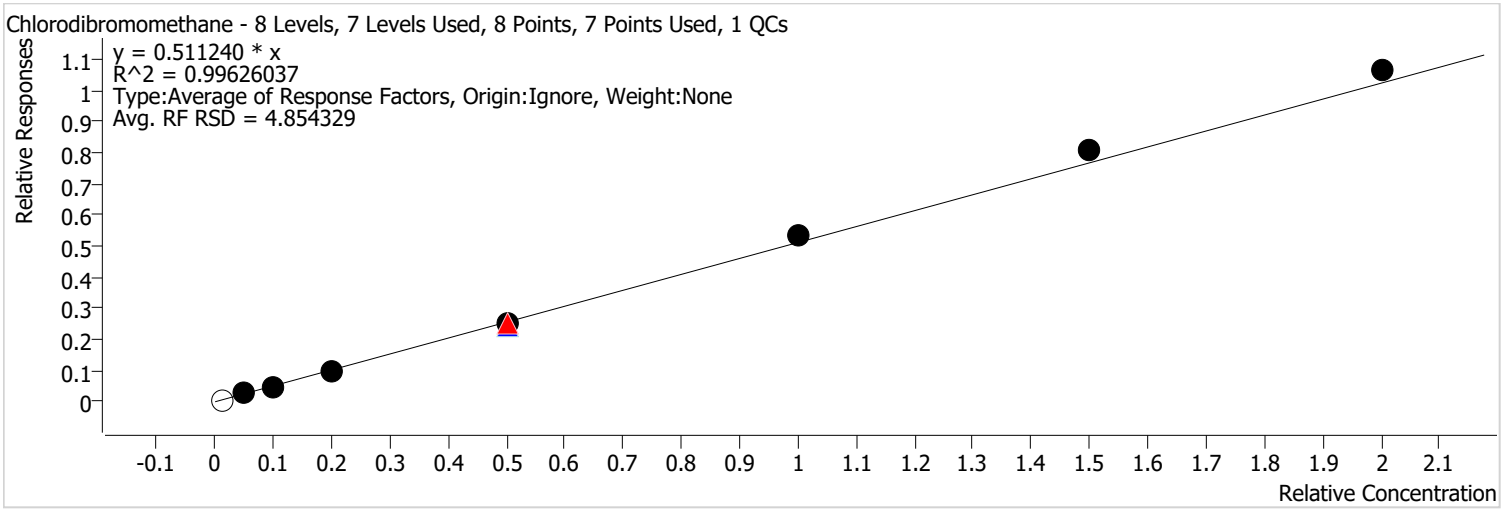
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	9988	12.5000	0.6367	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	20205	25.0000	0.6293	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	38147	50.0000	0.5981	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	101384	125.0000	0.6136	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	99920	125.0000	0.5923	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	101384	125.0000	0.6136	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	223019	250.0000	0.6692	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	339654	375.0000	0.6785	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	468322	500.0000	0.6713	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Chlorodibromomethane %RSE = 4.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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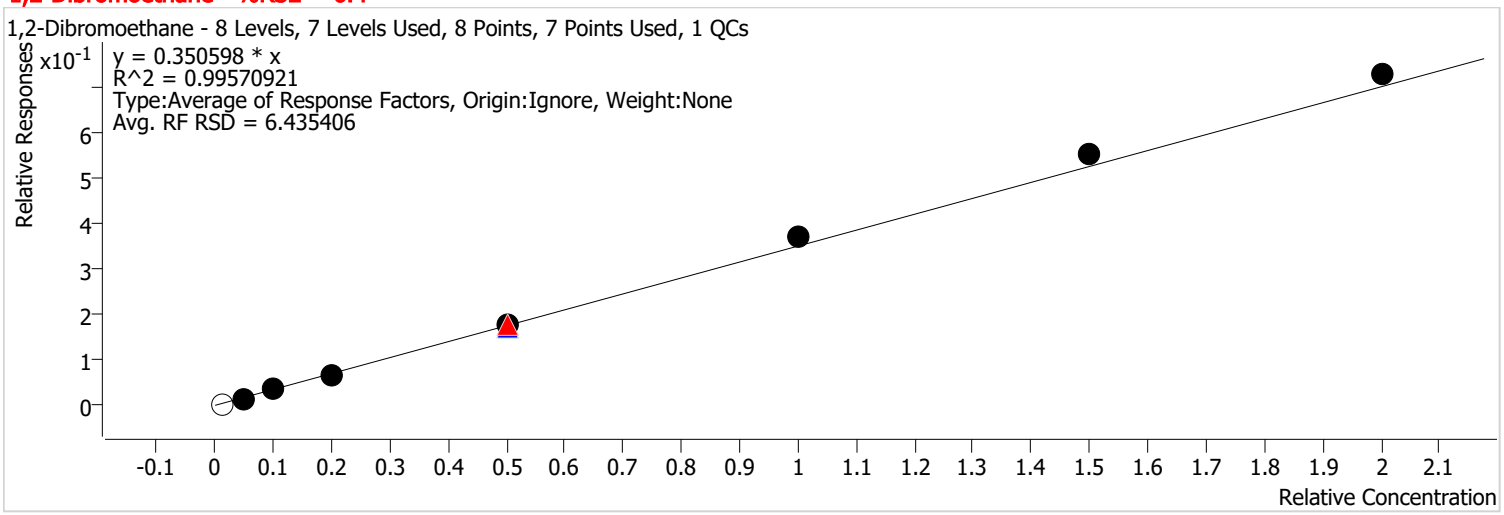
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	15826	25.0000	0.4929	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	30000	50.0000	0.4704	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	83172	125.0000	0.5034	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	81909	125.0000	0.4856	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	83172	125.0000	0.5034	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	178171	250.0000	0.5346	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	269032	375.0000	0.5374	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	370474	500.0000	0.5310	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2-Dibromoethane %RSE = 6.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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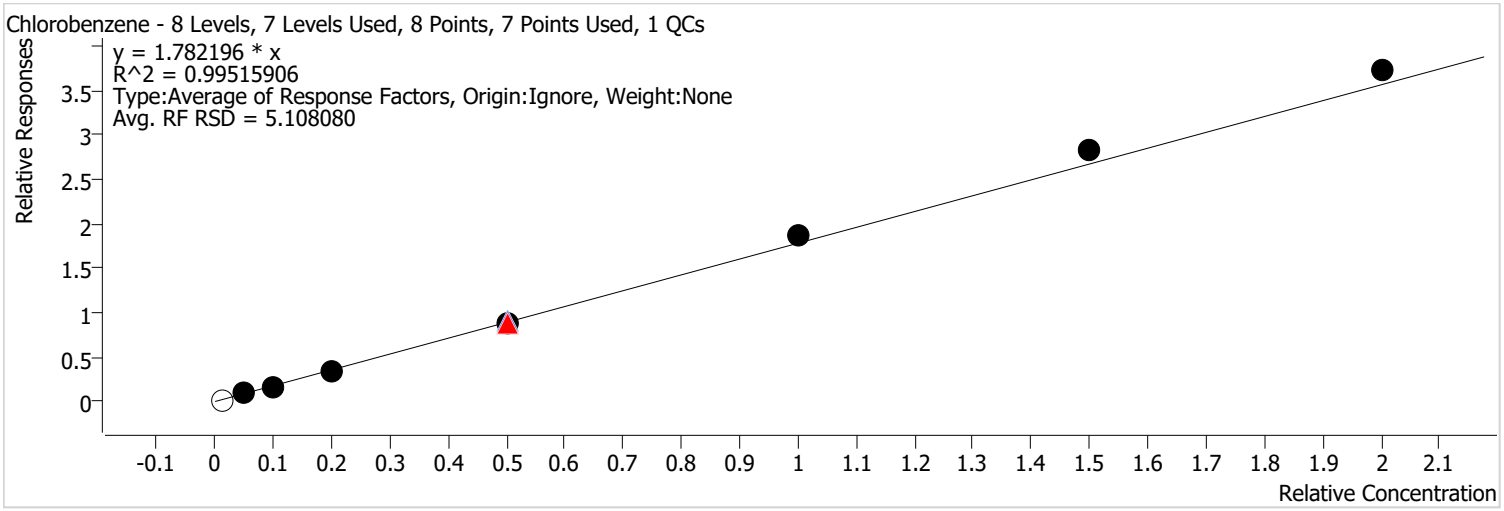
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	11412	25.0000	0.3554	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	20667	50.0000	0.3241	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	58489	125.0000	0.3540	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	58586	125.0000	0.3473	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	58489	125.0000	0.3540	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	124289	250.0000	0.3729	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	184921	375.0000	0.3694	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	253758	500.0000	0.3637	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Chlorobenzene %RSE = 5.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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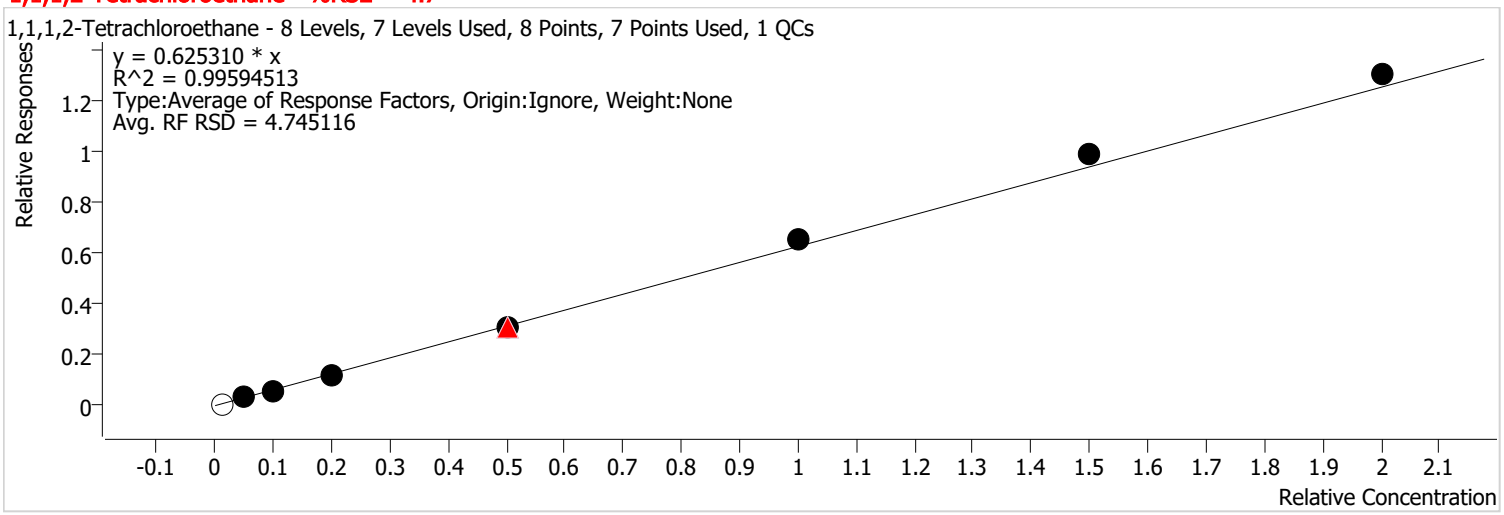
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	26688	12.5000	1.7014	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	55632	25.0000	1.7326	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	106223	50.0000	1.6656	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	289340	125.0000	1.7511	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	307100	125.0000	1.8205	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	289340	125.0000	1.7511	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	625101	250.0000	1.8757	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	945250	375.0000	1.8882	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	1298233	500.0000	1.8609	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,1,1,2-Tetrachloroethane %RSE = 4.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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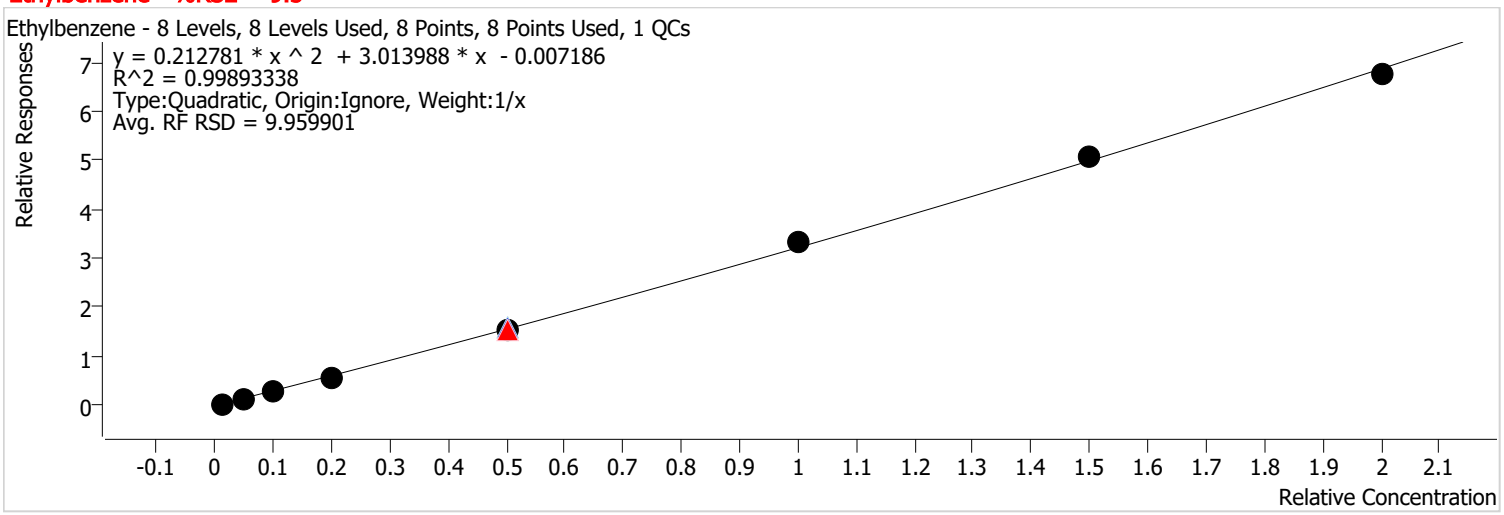
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	19516	25.0000	0.6078	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	37389	50.0000	0.5863	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	101500	125.0000	0.6143	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	102231	125.0000	0.6060	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	101500	125.0000	0.6143	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	219325	250.0000	0.6581	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	329822	375.0000	0.6588	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	453261	500.0000	0.6497	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Ethylbenzene %RSE = 9.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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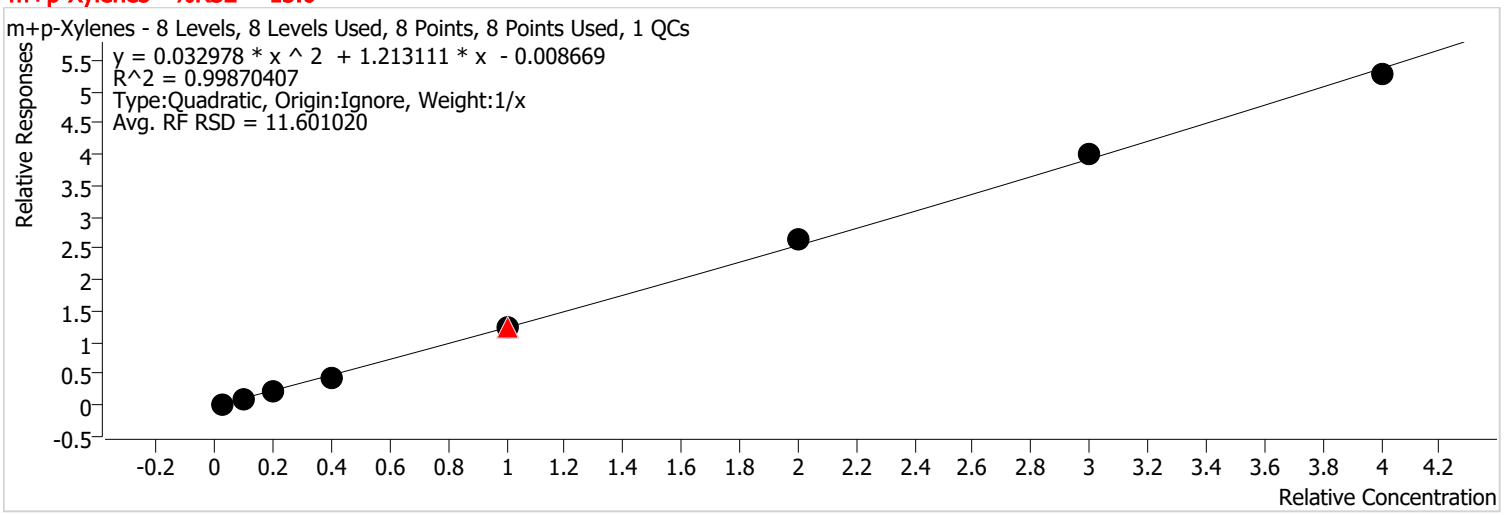
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	42980	12.5000	2.7400	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	91590	25.0000	2.8524	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	171854	50.0000	2.6947	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	505127	125.0000	3.0570	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	535079	125.0000	3.1719	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	505127	125.0000	3.0570	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	1116949	250.0000	3.3515	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	1697682	375.0000	3.3913	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	2354058	500.0000	3.3743	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

m+p-Xylenes %RSE = 13.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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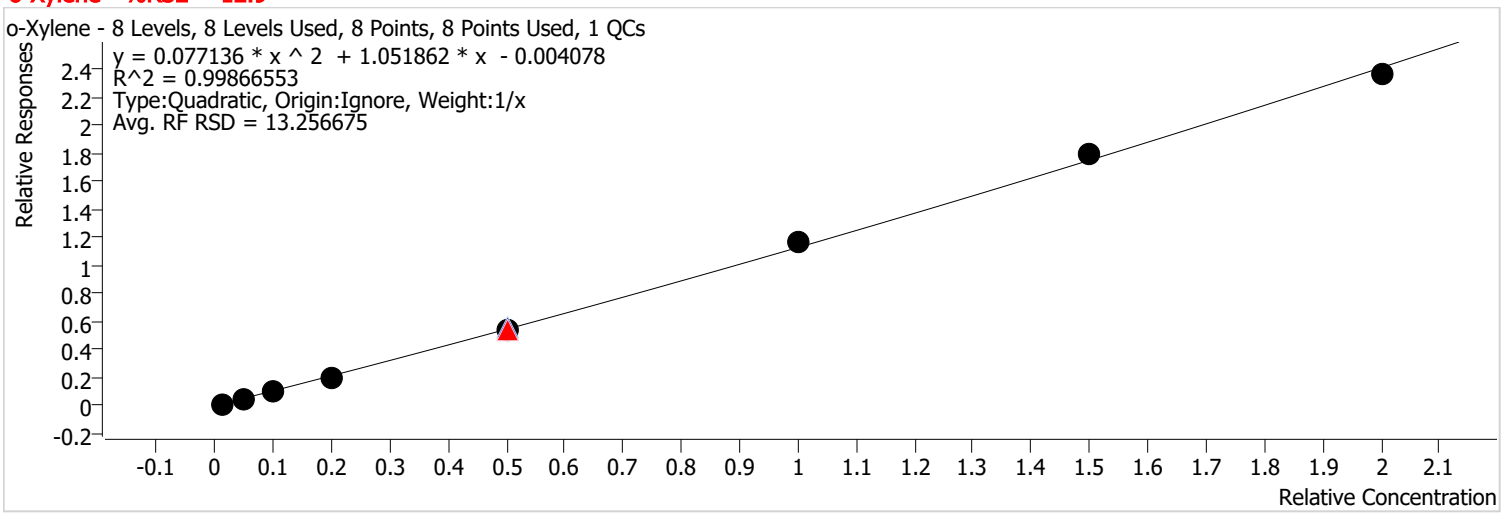
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	31103	25.0000	0.9914	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	71705	50.0000	1.1166	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	136806	100.0000	1.0726	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	405724	250.0000	1.2277	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	413361	250.0000	1.2252	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	405724	250.0000	1.2277	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	887253	500.0000	1.3311	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	1334216	750.0000	1.3326	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	1838610	1000.0000	1.3177	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:45 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

o-Xylene %RSE = 12.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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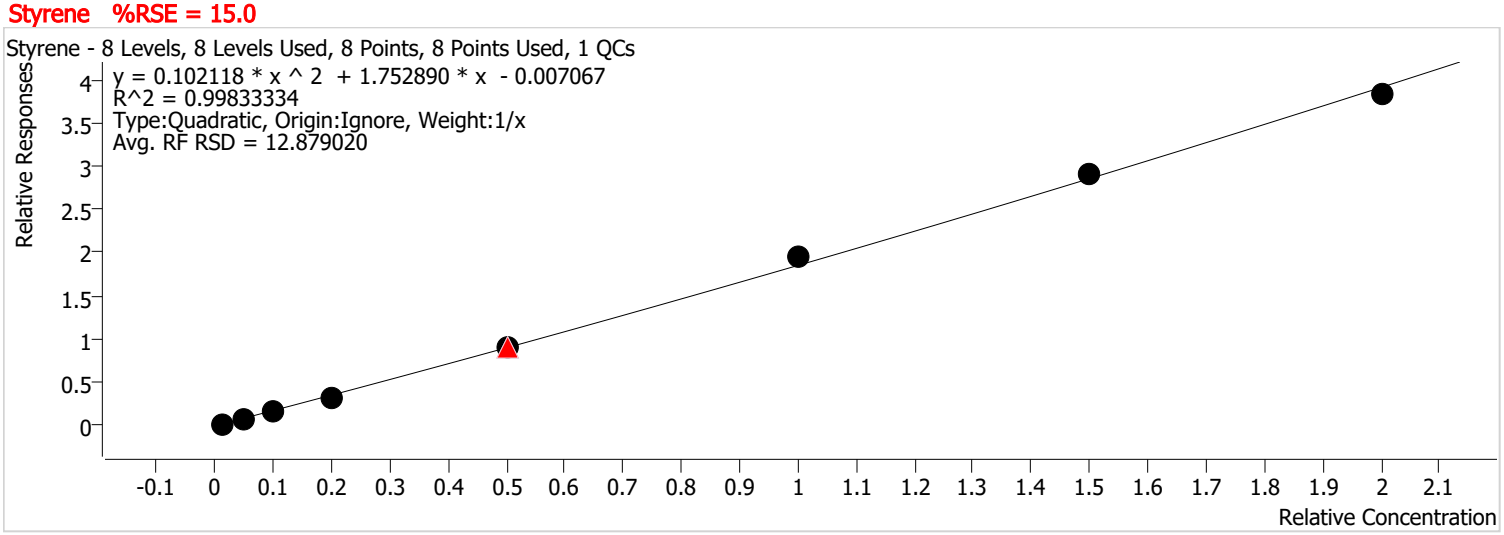
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	30498	25.0000	0.9498	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	58814	50.0000	0.9222	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	179108	125.0000	1.0840	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	184033	125.0000	1.0909	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	179108	125.0000	1.0840	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	387676	250.0000	1.1632	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	598606	375.0000	1.1958	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	822173	500.0000	1.1785	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:46 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Styrene %RSE = 15.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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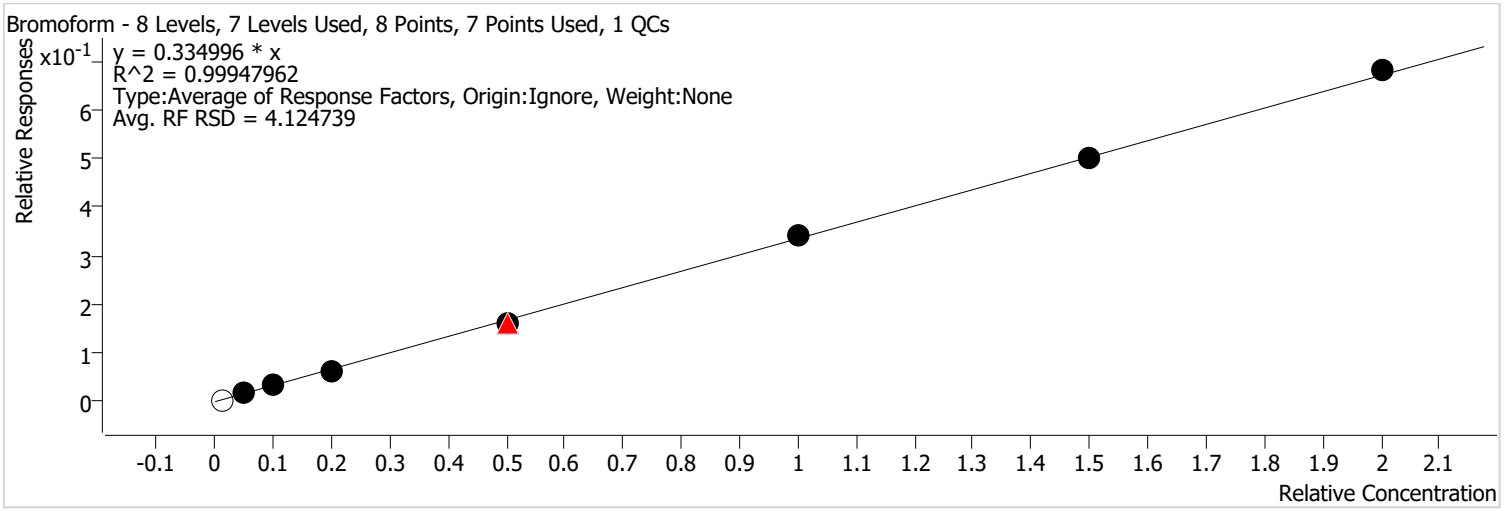
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	50294	25.0000	1.5663	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	97810	50.0000	1.5337	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	292722	125.0000	1.7716	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	306077	125.0000	1.8144	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	292722	125.0000	1.7716	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	646327	250.0000	1.9393	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	973131	375.0000	1.9439	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	1332807	500.0000	1.9104	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:46 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Bromoform %RSE = 4.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\VOA5975C\VG011922\19JAN04.D	Calibration	1		928	2.5000	0.3841	
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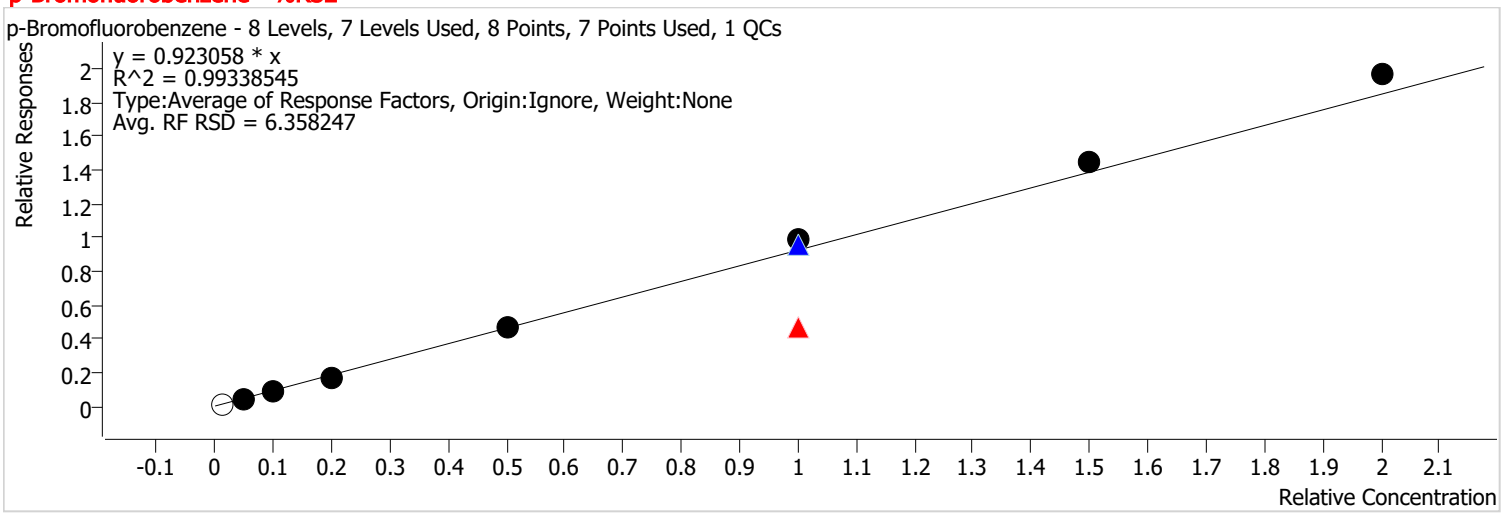
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	8920	25.0000	0.3448	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	16290	50.0000	0.3097	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	45045	125.0000	0.3241	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	45029	125.0000	0.3175	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	45045	125.0000	0.3241	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	96001	250.0000	0.3428	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	143943	375.0000	0.3344	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	198345	500.0000	0.3397	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:46 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

p-Bromofluorobenzene %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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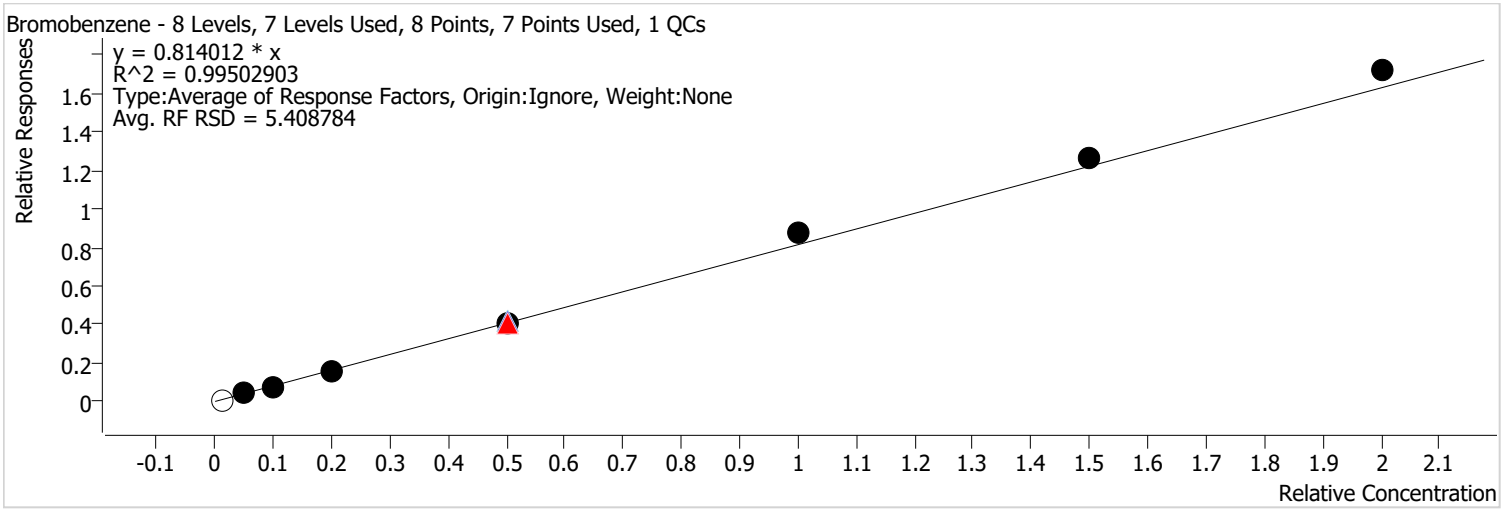
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	10669	12.5000	0.8469	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	23160	25.0000	0.8953	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	45114	50.0000	0.8578	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	128330	125.0000	0.9232	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	128330	250.0000	0.4616	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	270628	250.0000	0.9540	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	277668	250.0000	0.9915	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	415878	375.0000	0.9662	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	572482	500.0000	0.9806	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:46 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Bromobenzene %RSE = 5.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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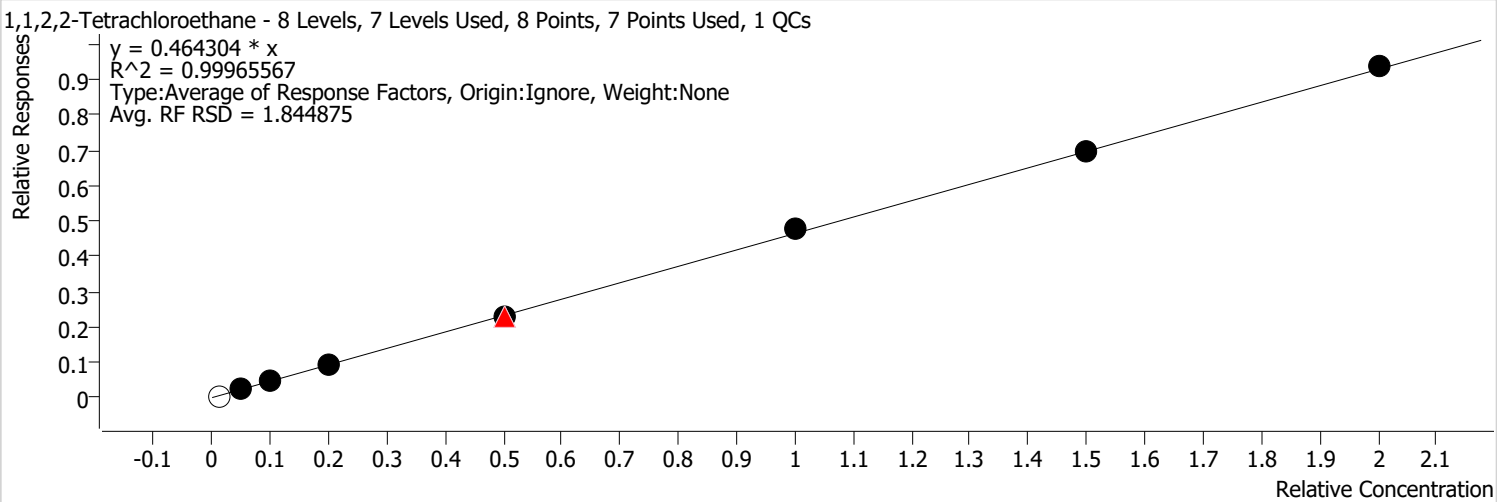
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	9784	12.5000	0.7767	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	20364	25.0000	0.7872	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	39639	50.0000	0.7537	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	112733	125.0000	0.8110	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	118930	125.0000	0.8385	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	112733	125.0000	0.8110	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	243851	250.0000	0.8707	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	361843	375.0000	0.8406	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	501025	500.0000	0.8582	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:46 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

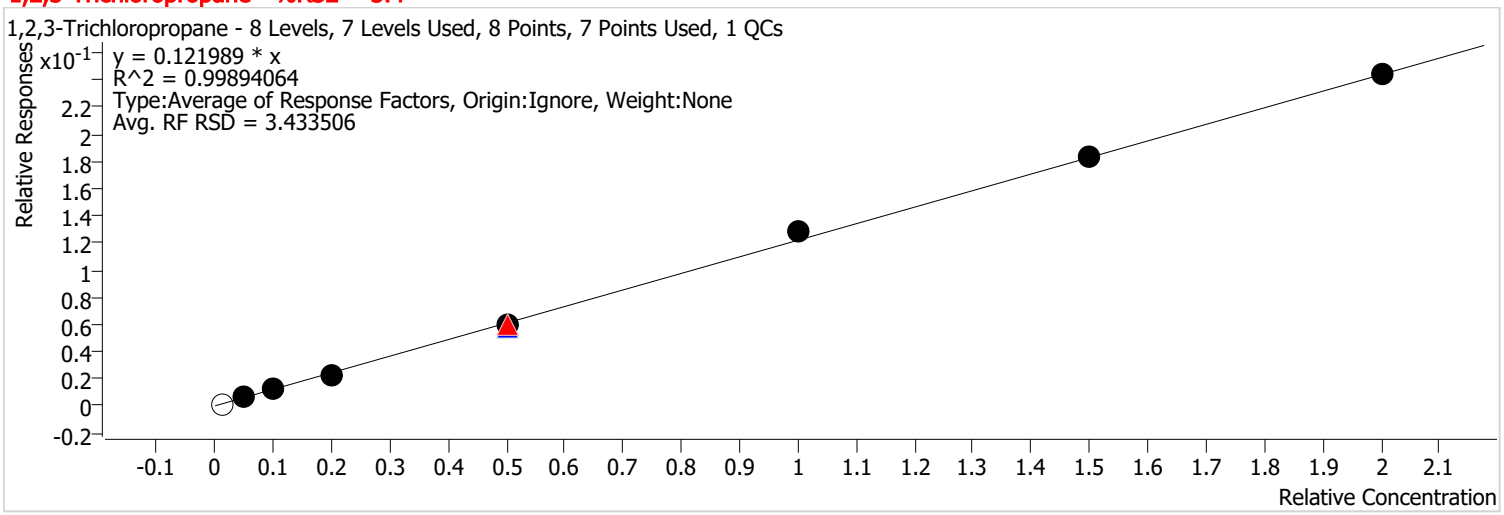
1,1,2,2-Tetrachloroethane %RSE = 1.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\VOA5975C\VG011922\19JAN04.D	Calibration	1		1247	2.5000	0.5163	
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	5757	12.5000	0.4570	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	12137	25.0000	0.4692	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	24493	50.0000	0.4657	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	62640	125.0000	0.4506	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	65177	125.0000	0.4595	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	62640	125.0000	0.4506	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	133573	250.0000	0.4769	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	199230	375.0000	0.4629	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	273124	500.0000	0.4678	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:46 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2,3-Trichloropropane %RSE = 3.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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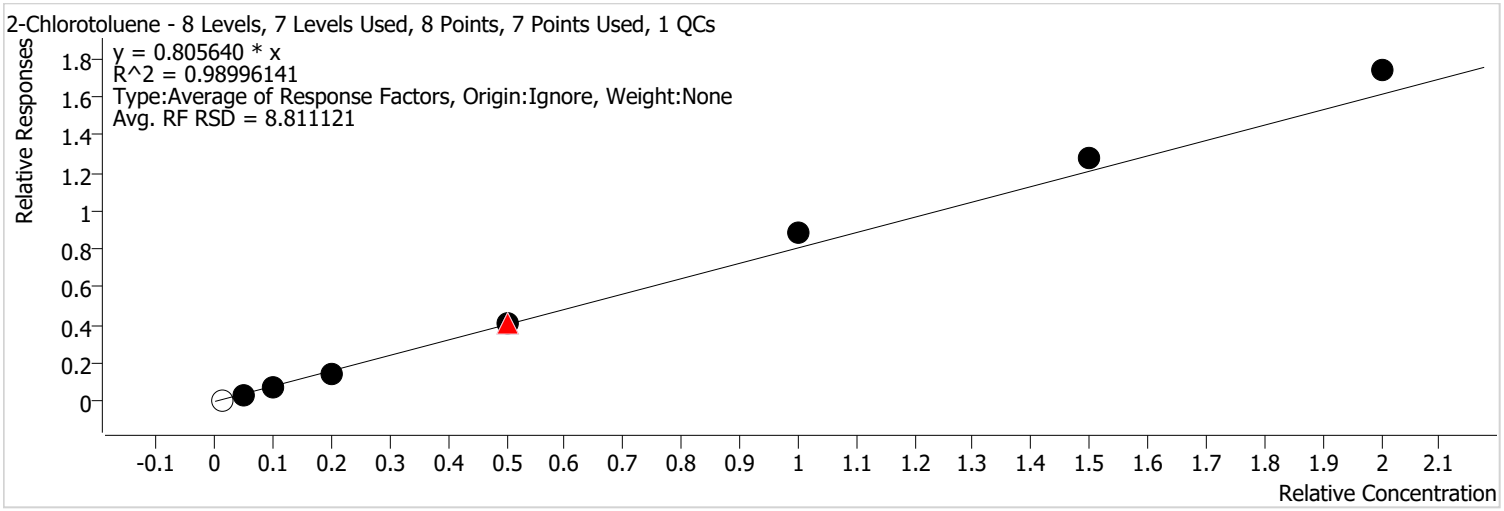
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	3237	25.0000	0.1251	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	6147	50.0000	0.1169	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	16355	125.0000	0.1177	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	16507	125.0000	0.1164	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	16355	125.0000	0.1177	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	36124	250.0000	0.1290	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	52732	375.0000	0.1225	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	71179	500.0000	0.1219	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:46 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Chlorotoluene %RSE = 8.8

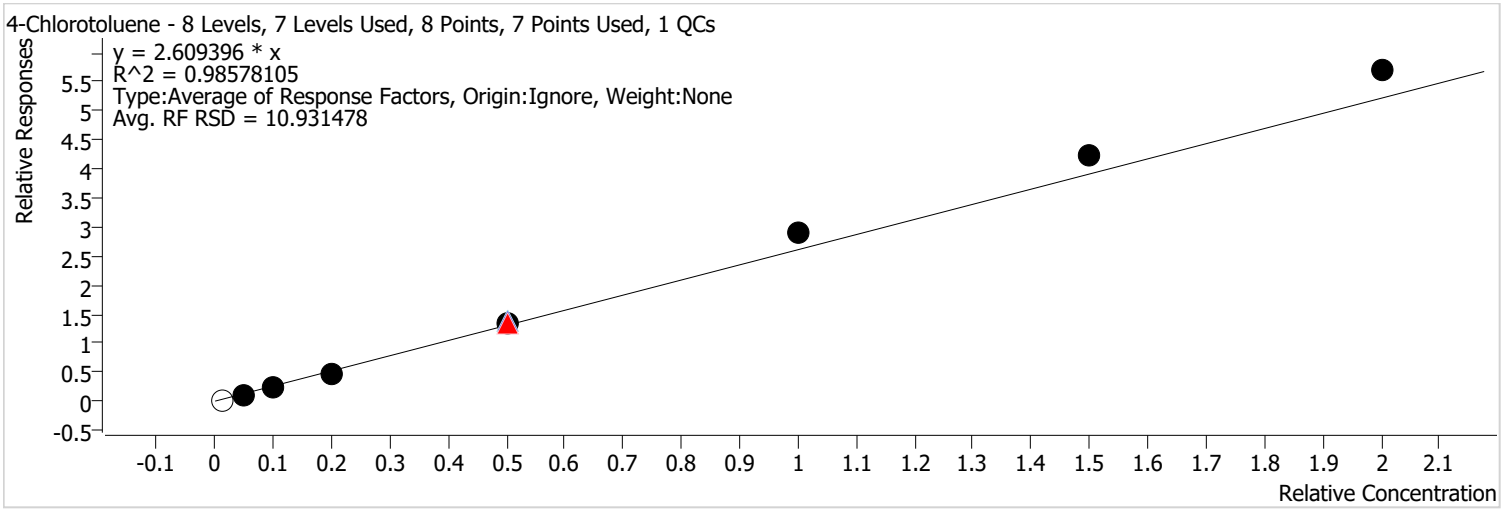


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\VOA5975C\VG011922\19JAN04.D	Calibration	1		2035	2.5000	0.8423	
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	9032	12.5000	0.7170	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	20511	25.0000	0.7929	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	37139	50.0000	0.7062	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	114135	125.0000	0.8211	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	117036	125.0000	0.8251	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	114135	125.0000	0.8211	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	247831	250.0000	0.8849	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	365790	375.0000	0.8498	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	506556	500.0000	0.8676	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:46 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

4-Chlorotoluene %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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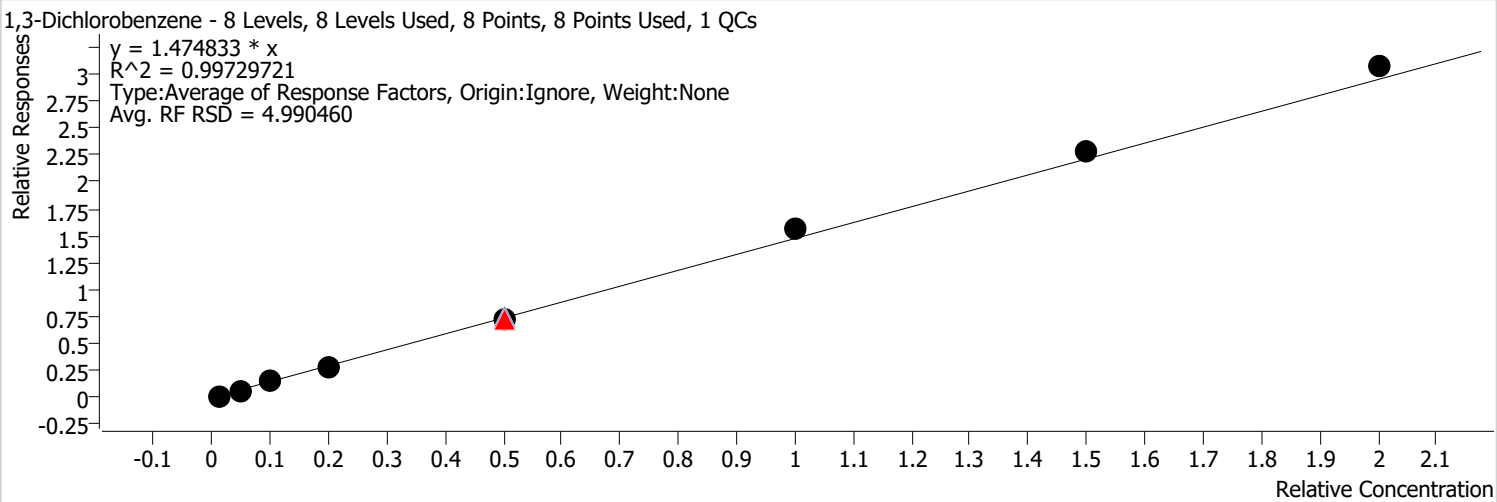
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	26850	12.5000	2.1314	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	64162	25.0000	2.4802	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	125553	50.0000	2.3873	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	375931	125.0000	2.7044	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	395846	125.0000	2.7908	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	375931	125.0000	2.7044	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	814408	250.0000	2.9080	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	1209058	375.0000	2.8089	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	1661293	500.0000	2.8455	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:46 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,3-Dichlorobenzene %RSE = 5.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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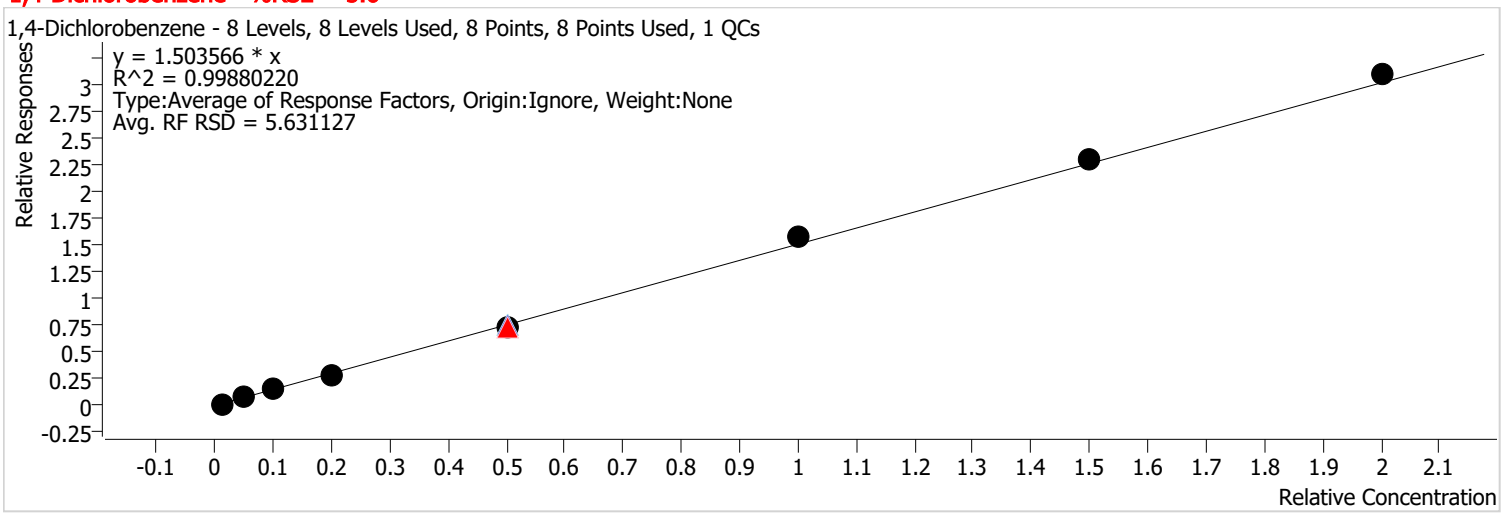
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	17111	12.5000	1.3583	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	37763	25.0000	1.4598	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	73221	50.0000	1.3923	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	200403	125.0000	1.4417	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	214054	125.0000	1.5091	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	200403	125.0000	1.4417	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	436562	250.0000	1.5588	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	652775	375.0000	1.5165	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	895336	500.0000	1.5335	

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:46 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,4-Dichlorobenzene %RSE = 5.6

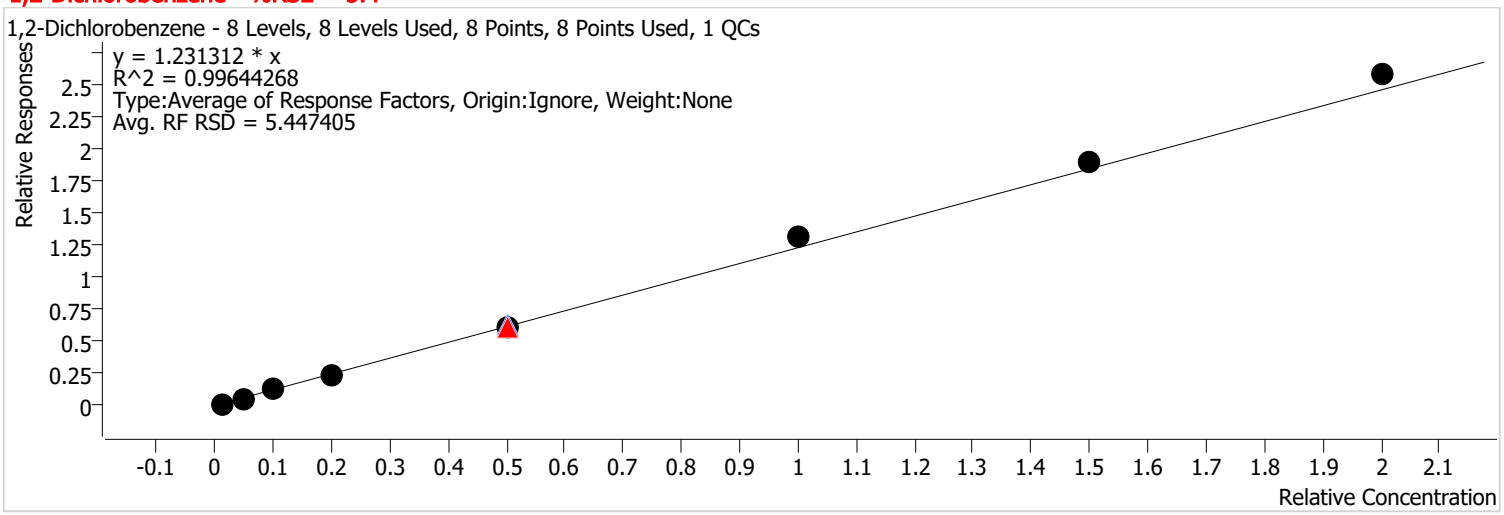


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\VOA5975C\VG011922\19JAN04.D	Calibration	1	x	3952	2.5000	1.6358	
D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	17730	12.5000	1.4074	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	38799	25.0000	1.4998	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	72168	50.0000	1.3723	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	205880	125.0000	1.4811	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	216533	125.0000	1.5266	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	205880	125.0000	1.4811	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	438291	250.0000	1.5650	
D:\Org\Data\VOA5975C\VG011922\19JAN13.D	Calibration	7	x	656962	375.0000	1.5263	
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	899595	500.0000	1.5408	

Calibration Report

Batch Path	D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin		
Analysis Time	1/22/2022 1:32 PM	**Analyst Name**	BL2000\mchavez
Report Time	1/22/2022 1:35:46 PM	**Reporter Name**	BL2000\mchavez
Last Calib Update	1/20/2022 9:28 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2-Dichlorobenzene %RSE = 5.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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D:\Org\Data\VOA5975C\VG011922\19JAN05.D	Calibration	2	x	14345	12.5000	1.1387	
D:\Org\Data\VOA5975C\VG011922\19JAN06.D	Calibration	3	x	31975	25.0000	1.2360	
D:\Org\Data\VOA5975C\VG011922\19JAN07.D	Calibration	4	x	59208	50.0000	1.1258	
D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D	CC	CC	x	169723	125.0000	1.2210	
D:\Org\Data\VOA5975C\VG011922\19JAN17.D	QC	QC	x	177148	125.0000	1.2489	
D:\Org\Data\VOA5975C\VG011922\19JAN09.D	Calibration	5	x	169723	125.0000	1.2210	
D:\Org\Data\VOA5975C\VG011922\19JAN11.D	Calibration	6	x	366153	250.0000	1.3074	
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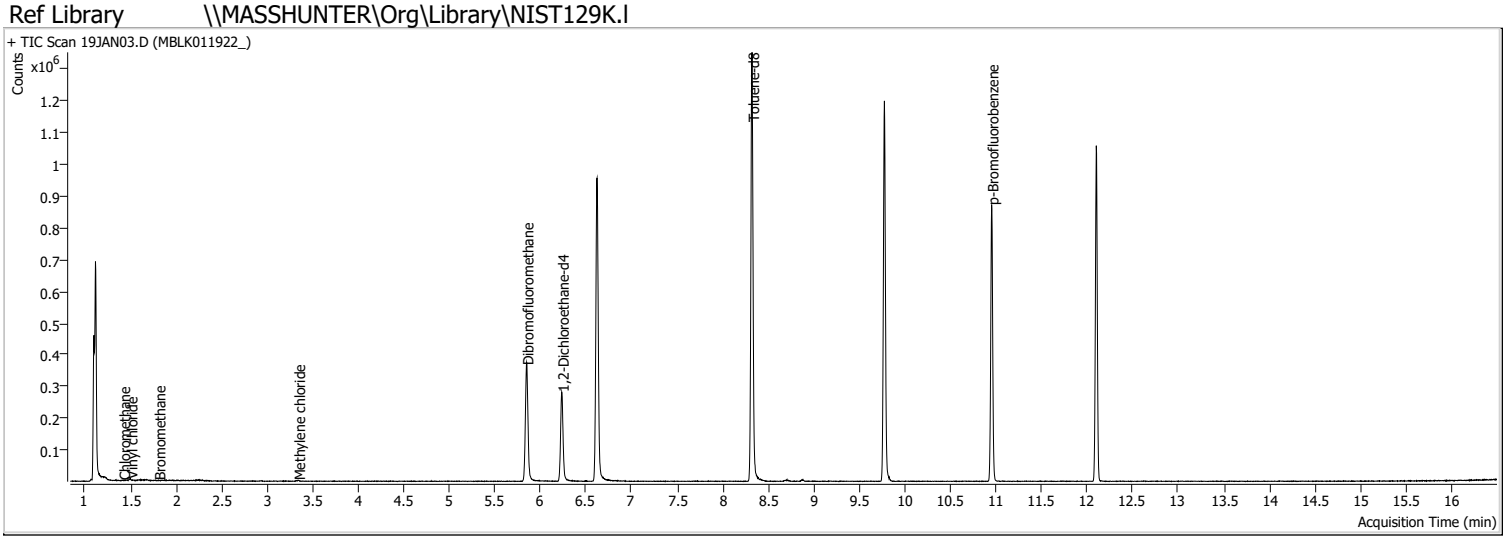
D:\Org\Data\VOA5975C\VG011922\19JAN15.D	Calibration	8	x	753439	500.0000	1.2905	

Quantitation Results Report (QT Reviewed)

Data File	19JAN03.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	1/19/2022 10:13:09 AM
Sample Name	MBLK011922_	Instrument	VOA5975C
Vial	3	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG011922_8260B.batch.bin	Last Calib Update	1/20/2022 9:28:12 AM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

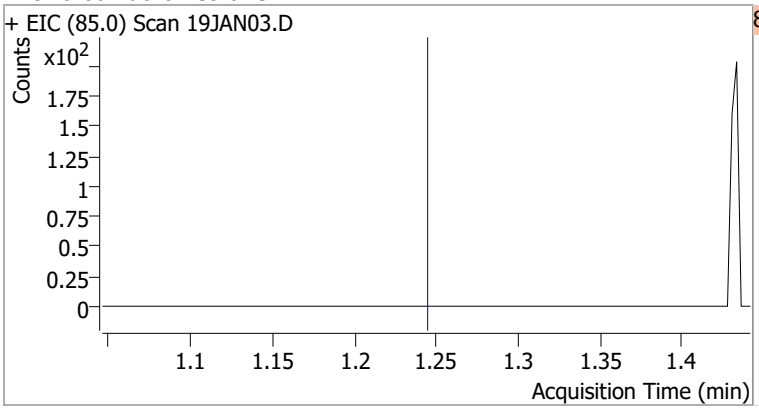


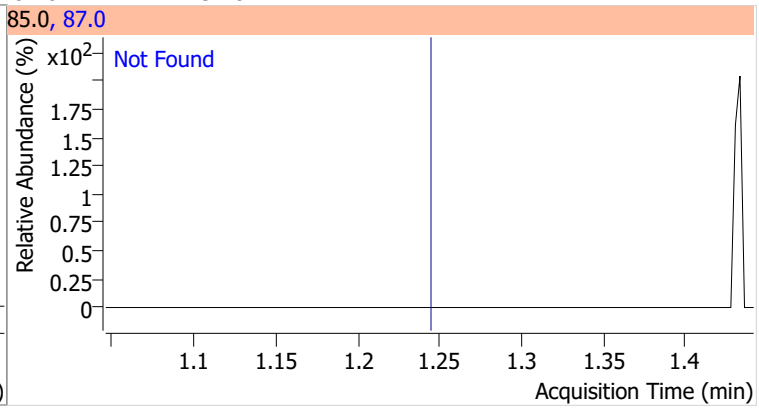
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.621	96.0	812130	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	329825	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	253834	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.845	113.0	221291	281.3207	ng		-0.006
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 112.53%			
S 1,2-Dichloroethane-d4	6.233	67.0	100892	296.9186	ng		0.003
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 118.77%		*	
S Toluene-d8	8.322	98.0	833211	258.9413	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 103.58%			
S p-Bromofluorobenzene	10.951	95.0	244714	261.1079	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 104.44%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	1.420	50.0	477	0.3708	ng	m	67
T Vinyl chloride	1.501	62.0	450	0.3842	ng	m	51
T Bromomethane	1.807	96.0	344	2.5579	ng	m	96
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.341	49.0	2137	1.7999	ng	m	86
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.		
T Carbon tetrachloride	0.000		0	N.D.		
T 1,1-Dichloropropene	0.000		0	N.D.		
T Benzene	0.000		0	N.D.		
T 1,2-Dichloroethane	0.000		0	N.D.		
T Trichloroethene	0.000		0	N.D.		
T 1,2-Dichloropropane	0.000		0	N.D.		
T Dibromomethane	0.000		0	N.D.		
T Bromodichloromethane	0.000		0	N.D.		
T cis-1,3-Dichloropropene	0.000		0	N.D.		
T Toluene	0.000		0	N.D.		
T trans-1,3-Dichloropropene	0.000		0	N.D.		
T 1,1,2-Trichloroethane	0.000		0	N.D.		
T Tetrachloroethene	0.000		0	N.D.		
T 1,3-Dichloropropane	0.000		0	N.D.		
T Chlorodibromomethane	0.000		0	N.D.		
T 1,2-Dibromoethane	0.000		0	N.D.		
T Chlorobenzene	0.000		0	N.D.		
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.		
T Ethylbenzene	0.000		0	N.D.		
T m+p-Xylenes	0.000		0	N.D.		
T o-Xylene	0.000		0	N.D.		
T Styrene	0.000		0	N.D.		
T Bromoform	0.000		0	N.D.		
T Bromobenzene	0.000		0	N.D.		
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.		
T 1,2,3-Trichloropropane	0.000		0	N.D.		
T 2-Chlorotoluene	0.000		0	N.D.		
T 4-Chlorotoluene	0.000		0	N.D.		
T 1,3-Dichlorobenzene	0.000		0	N.D.		
T 1,4-Dichlorobenzene	0.000		0	N.D.		
T 1,2-Dichlorobenzene	0.000		0	N.D.		

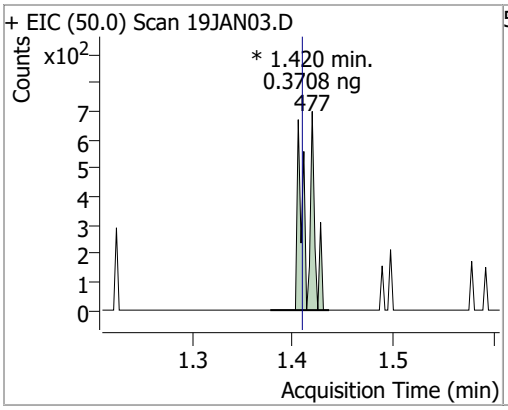
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

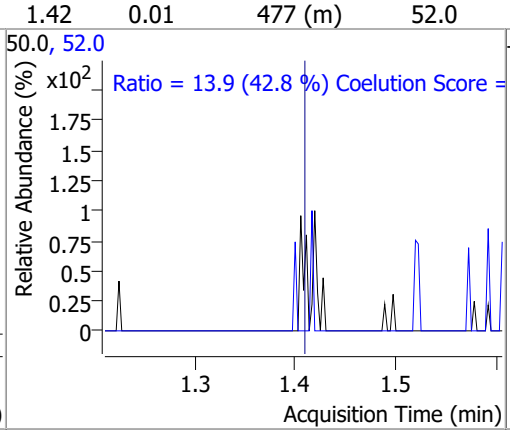
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8

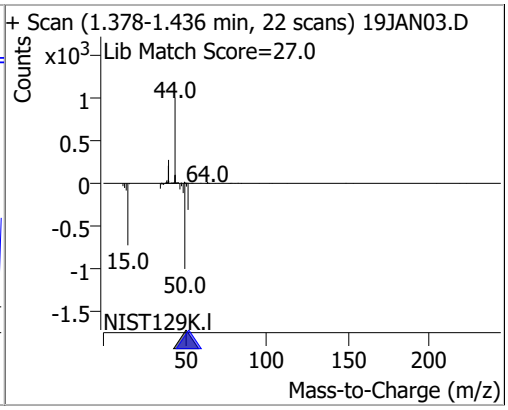




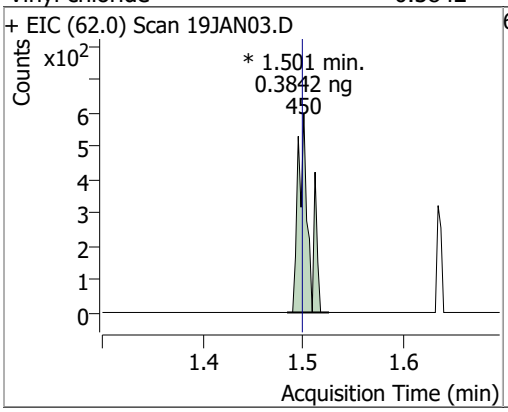
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	0.3708	1.42	0.01	477 (m)	52.0	13.9	2.4	62.4

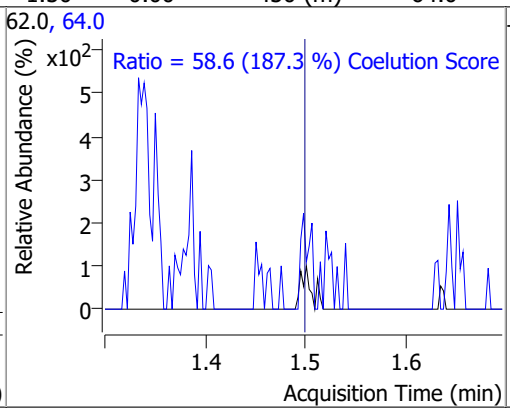


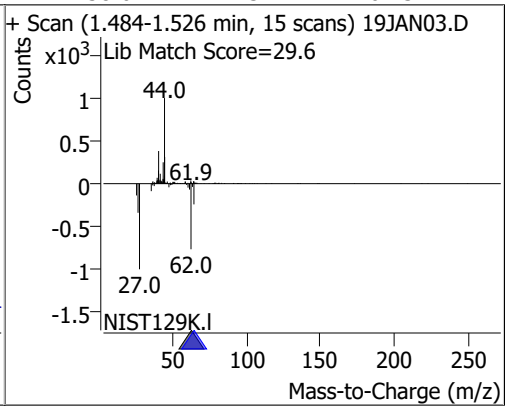




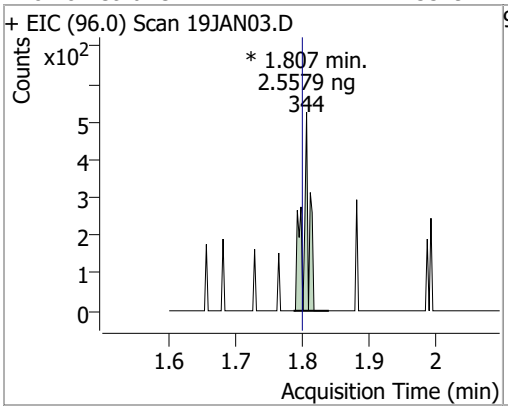
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	0.3842	1.50	0.00	450 (m)	64.0	58.6	1.3	61.3

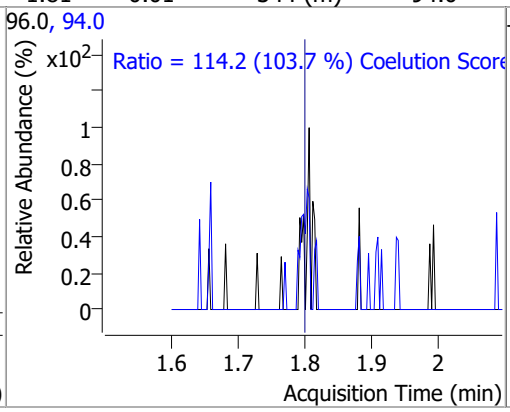


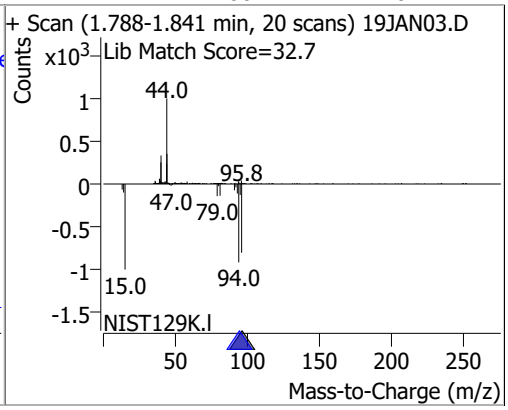




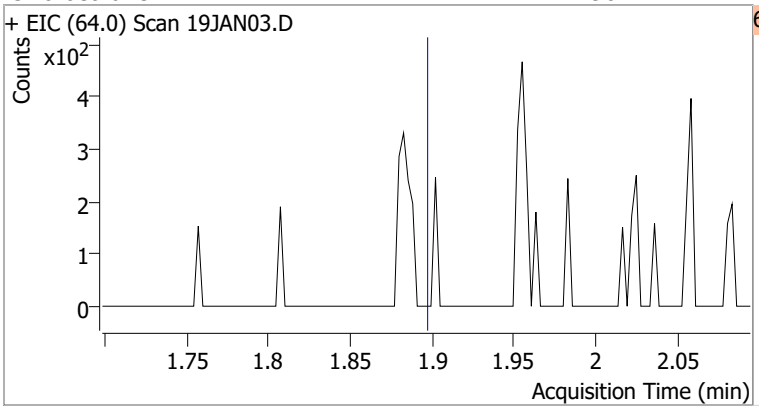
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	2.5579	1.81	0.01	344 (m)	94.0	114.2	80.1	140.1

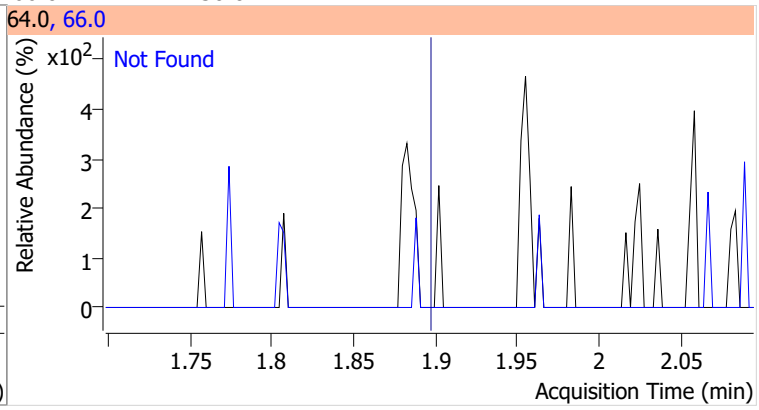




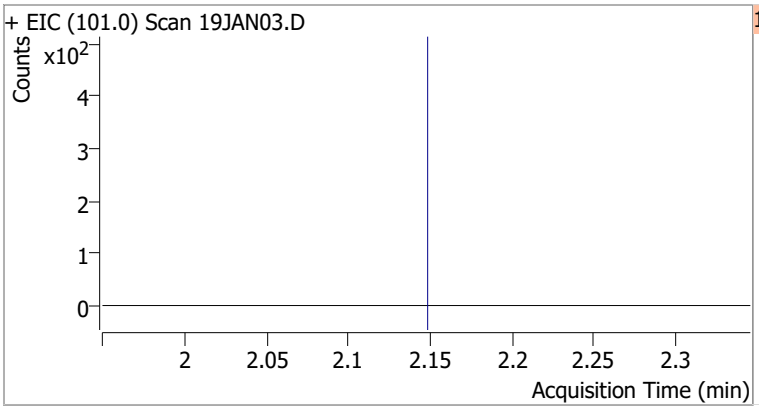


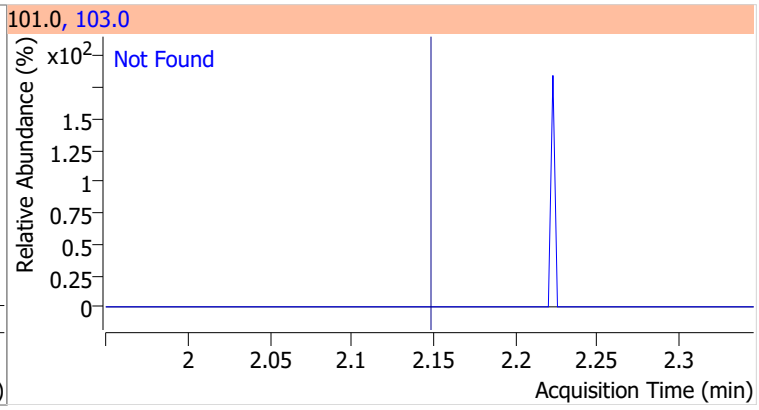
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



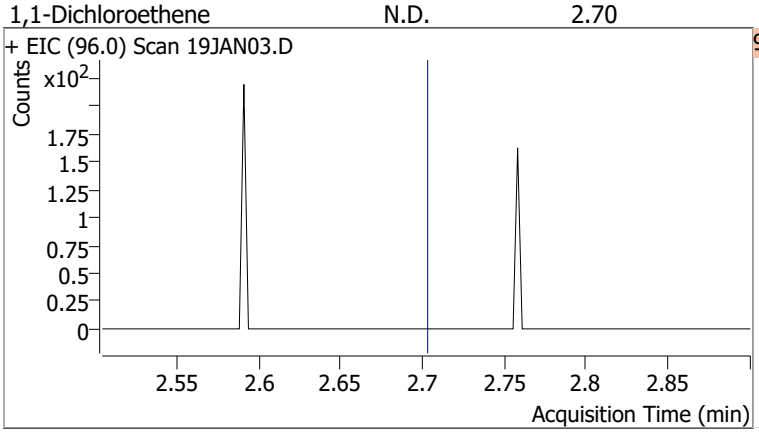


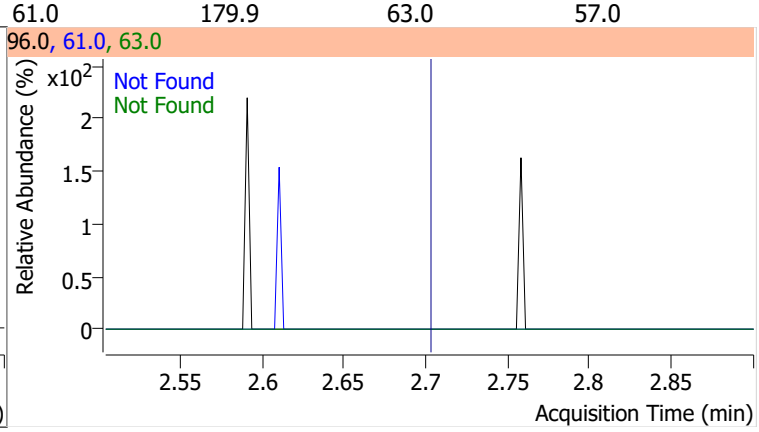
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



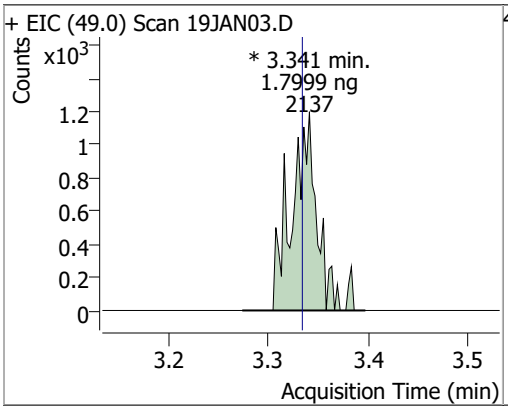


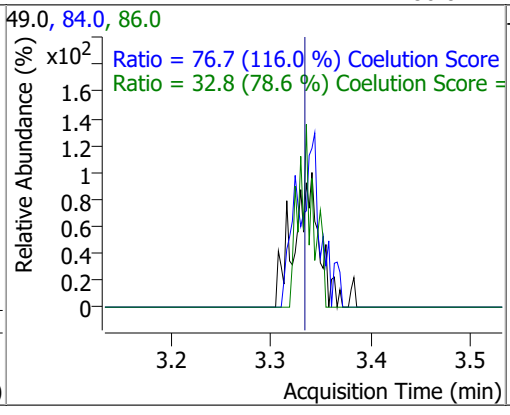
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

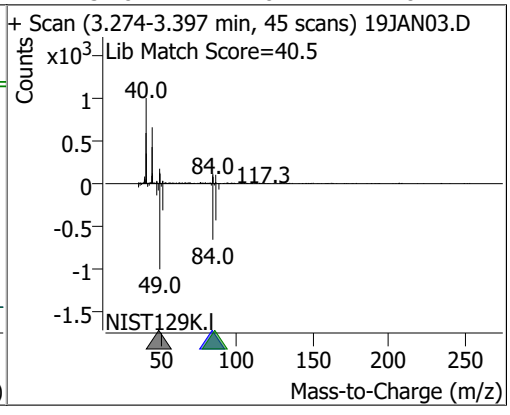




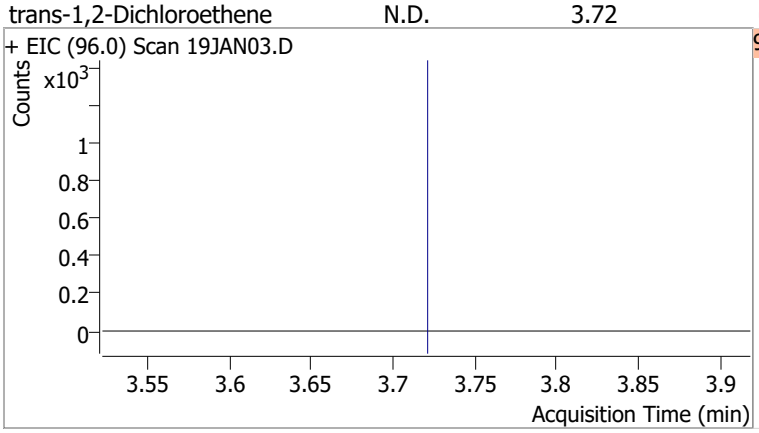
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	1.7999	3.34	0.01	2137 (m)	84.0	76.7	36.1	96.1
					86.0	32.8	11.8	71.8

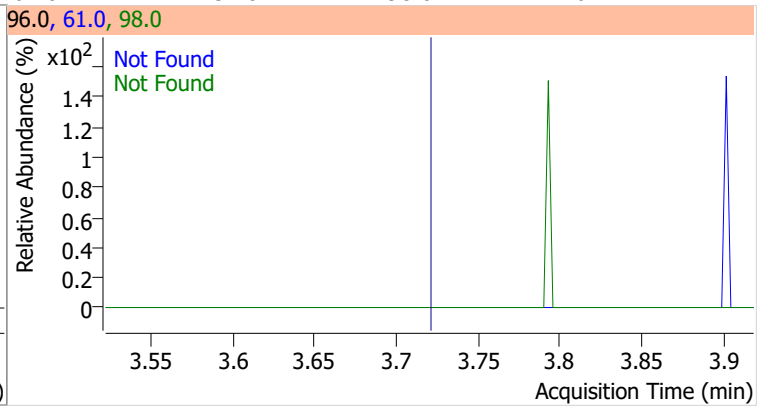




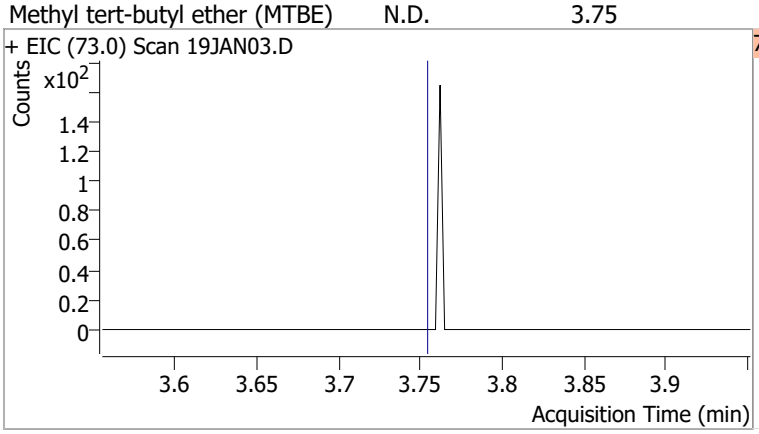


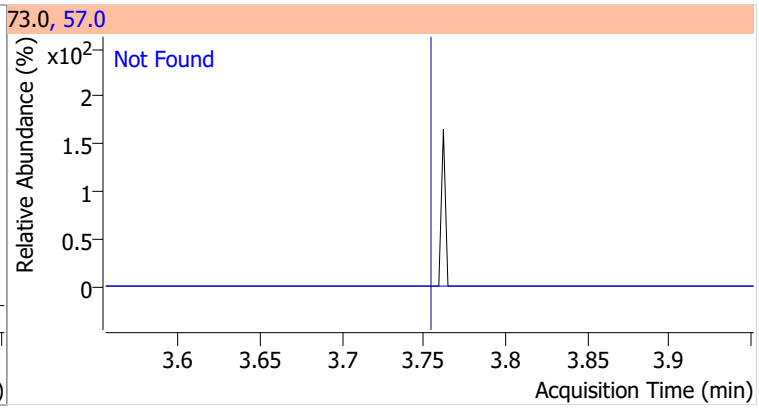
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



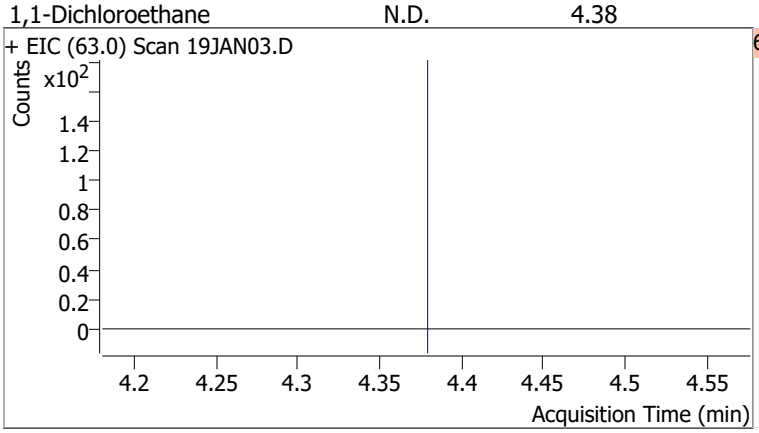


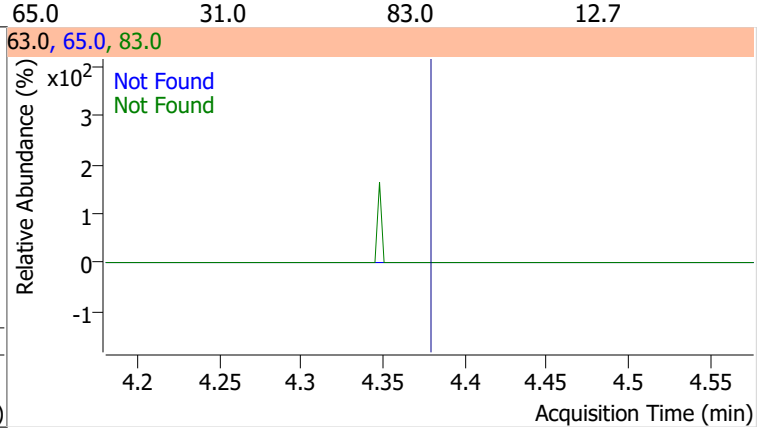
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



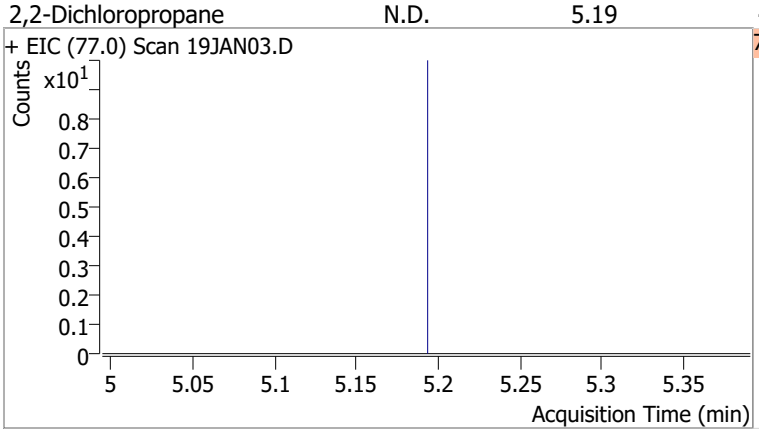


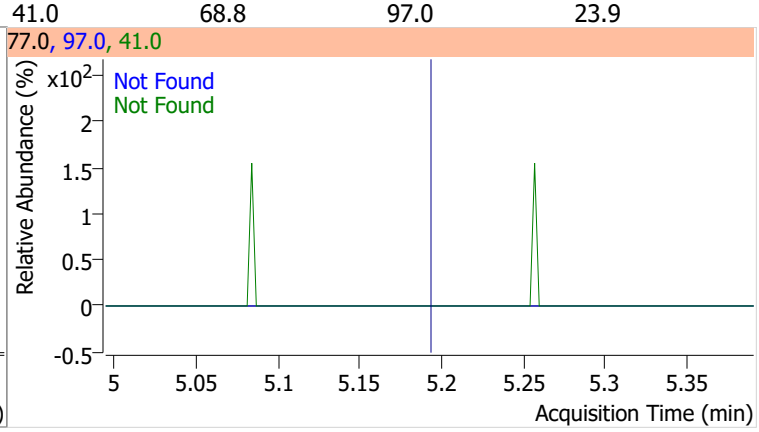
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



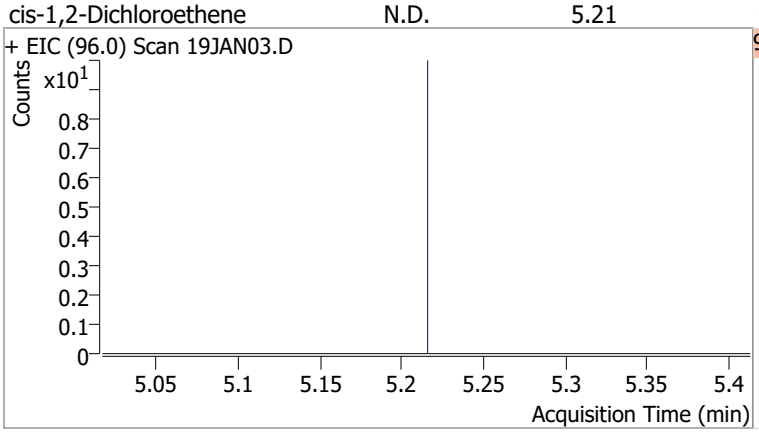


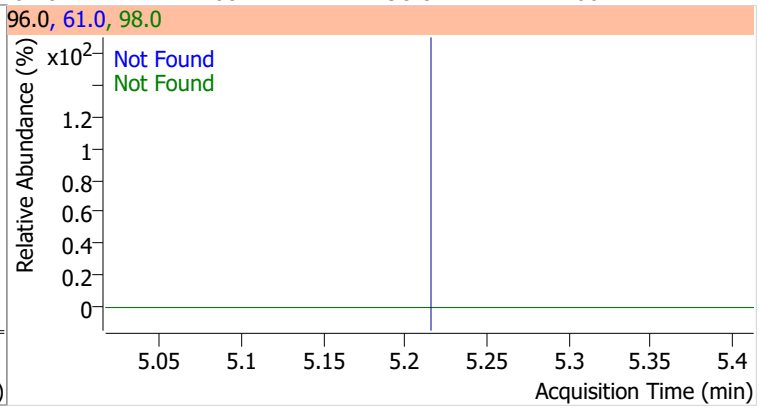
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



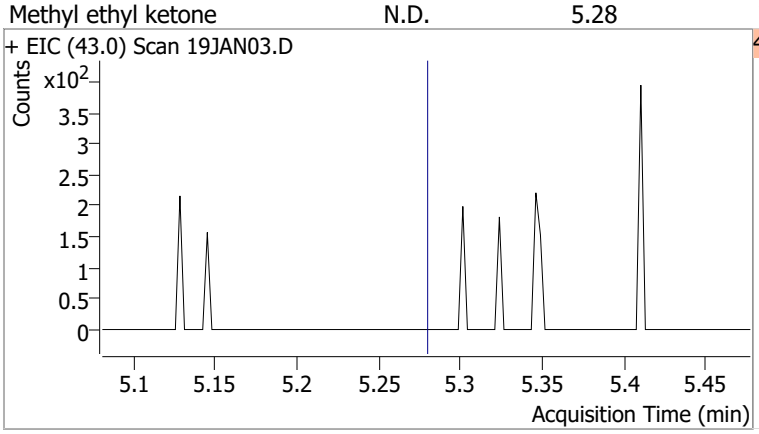


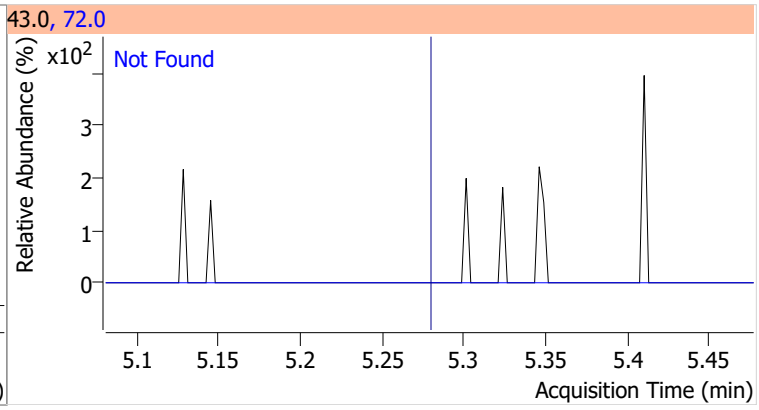
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



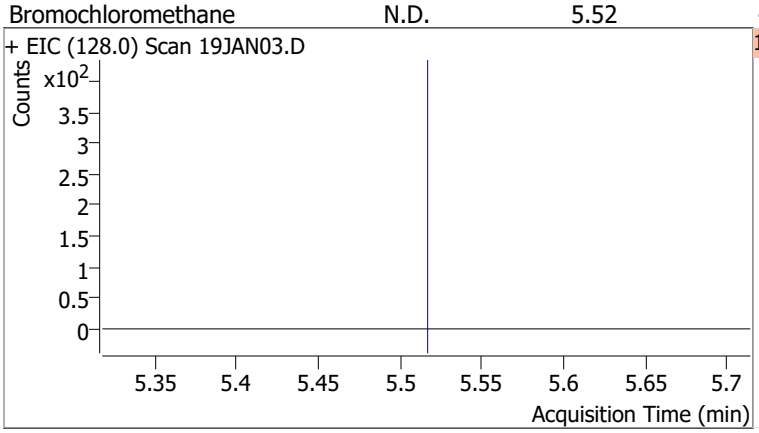


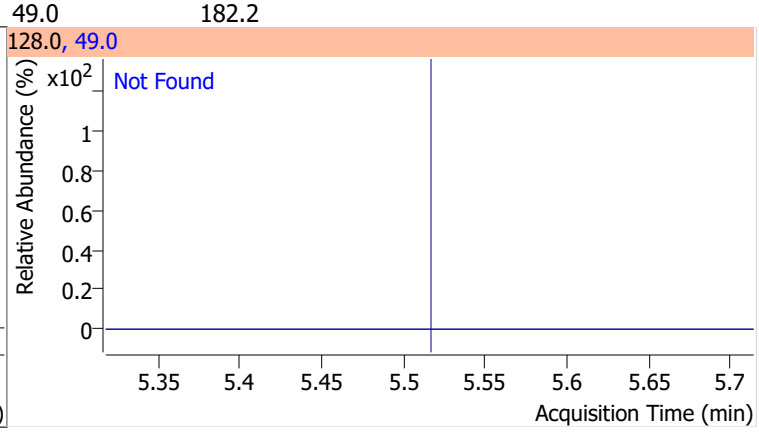
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



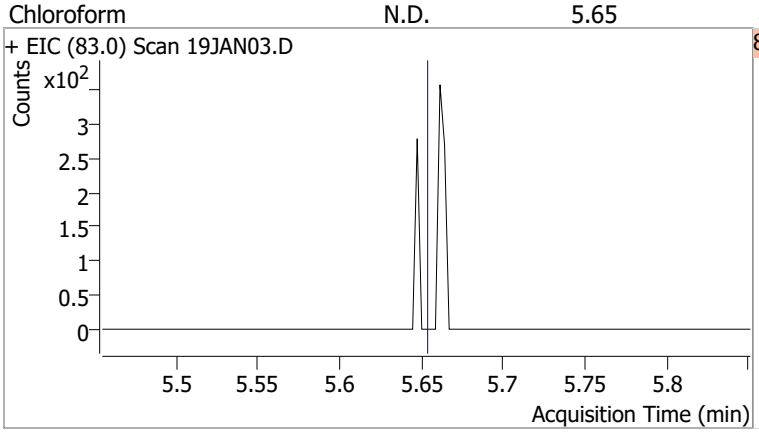


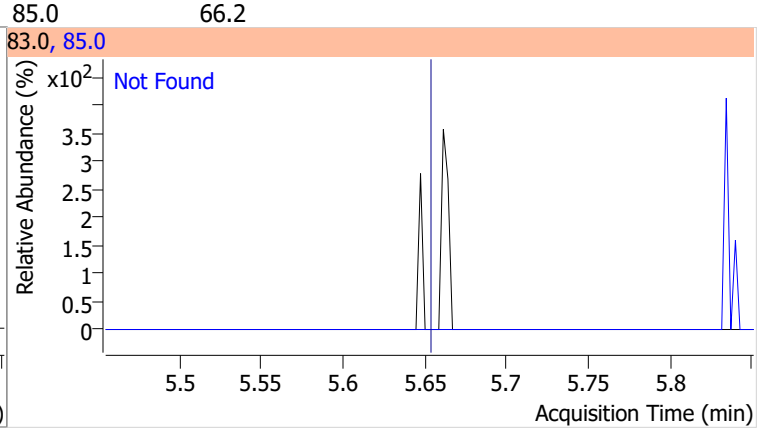
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2



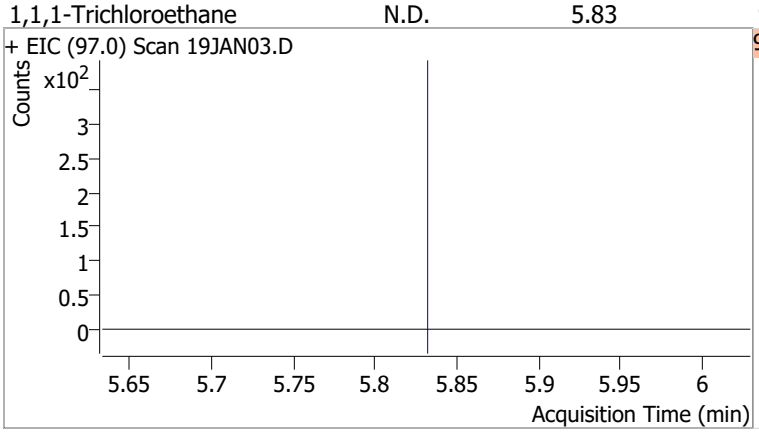


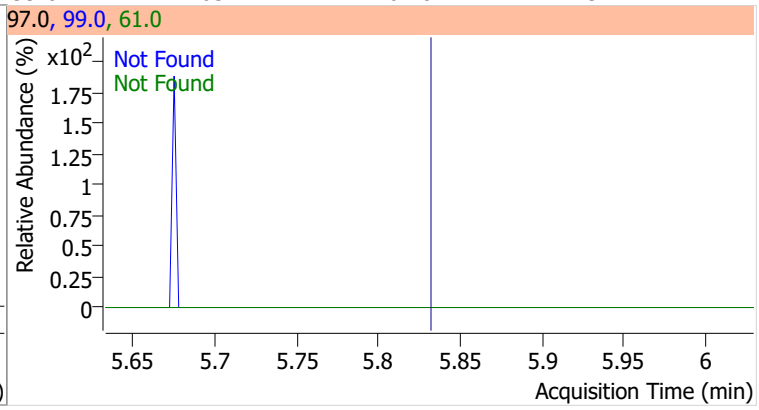
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroform	N.D.	5.65	85.0	66.2



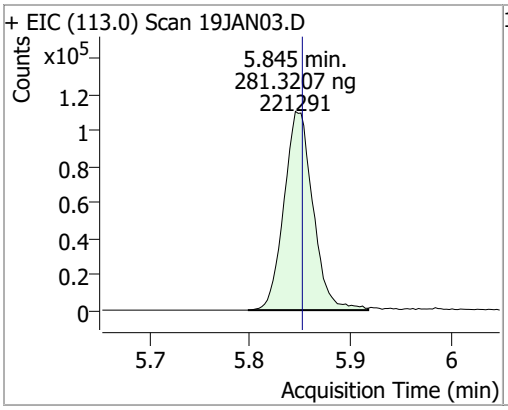


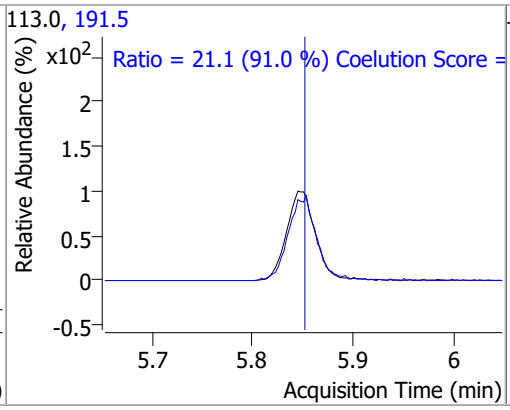
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

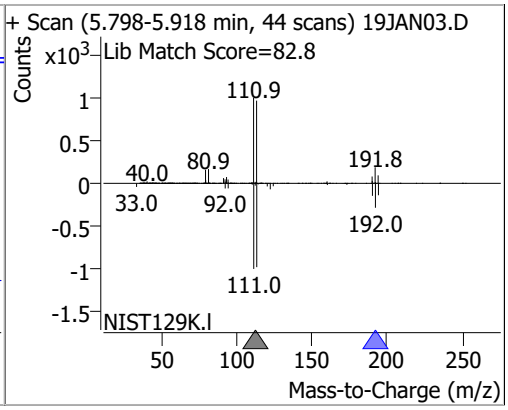




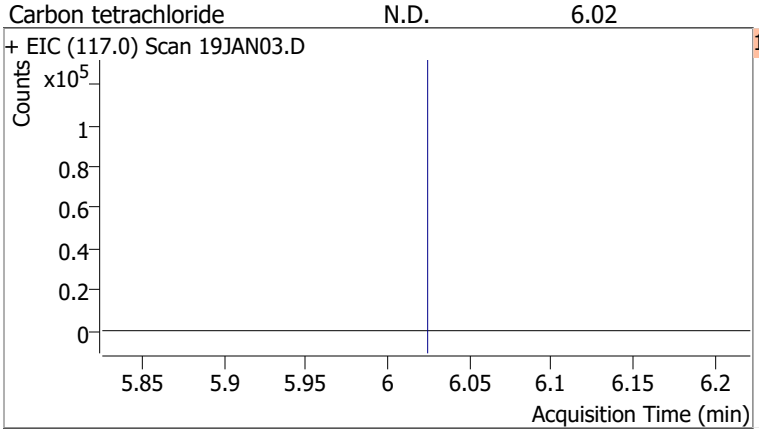
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	281.3207	5.85	-0.01	221291	191.5	21.1	0.0	53.2

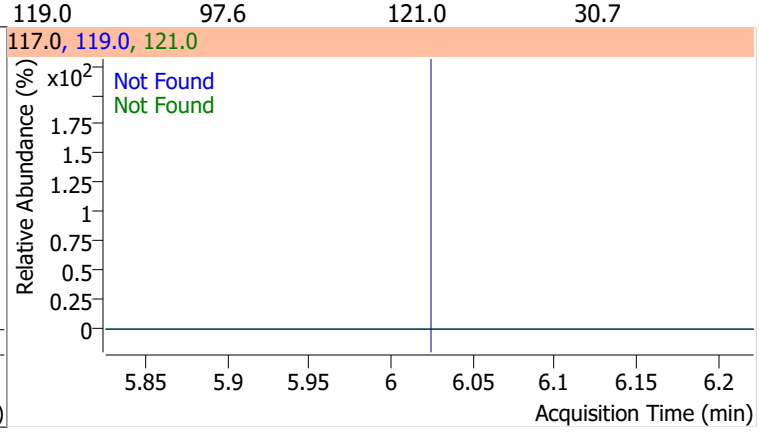




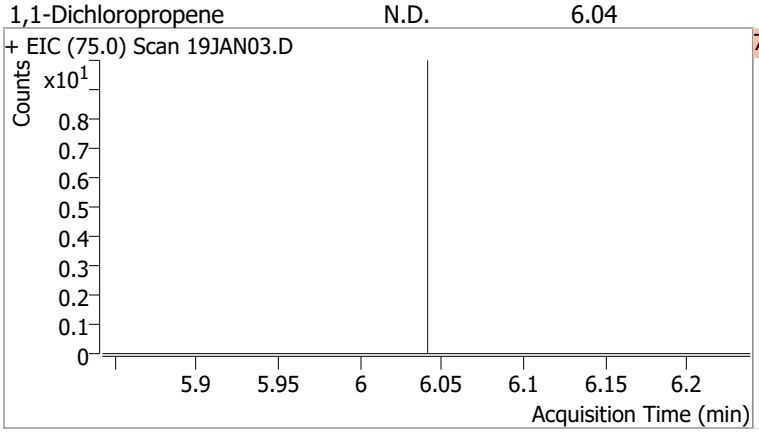


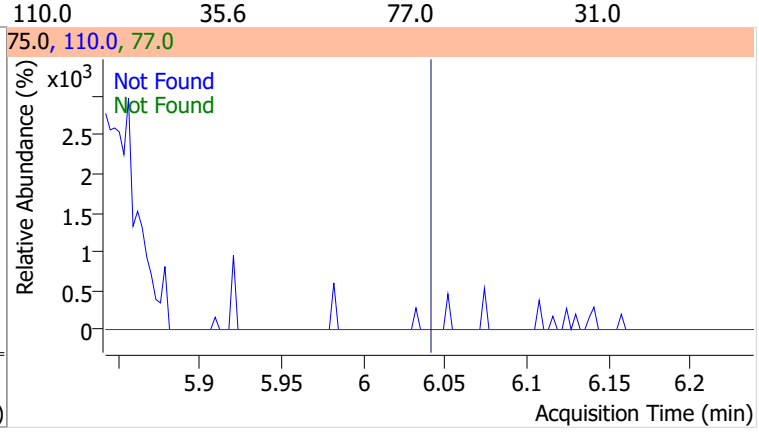
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7



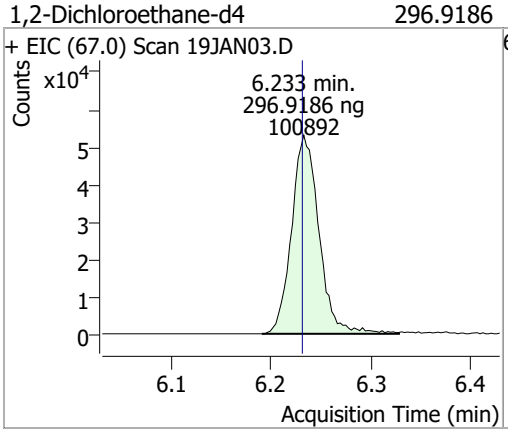


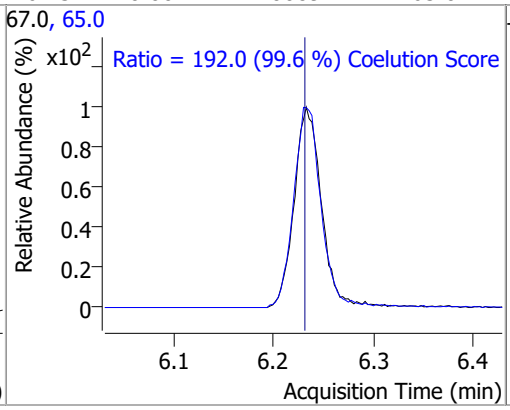
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

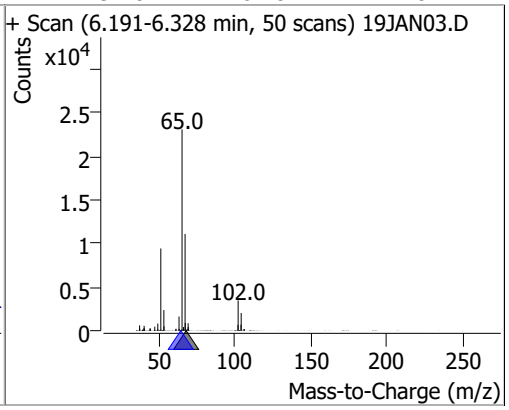




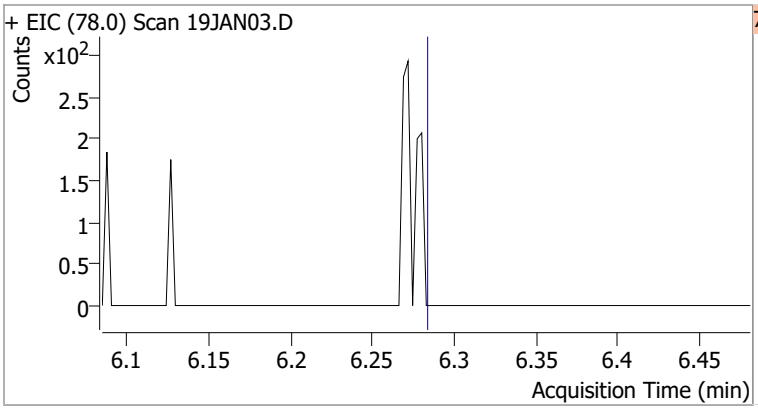
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	296.9186	6.23	0.00	100892	65.0	192.0	162.8	222.8

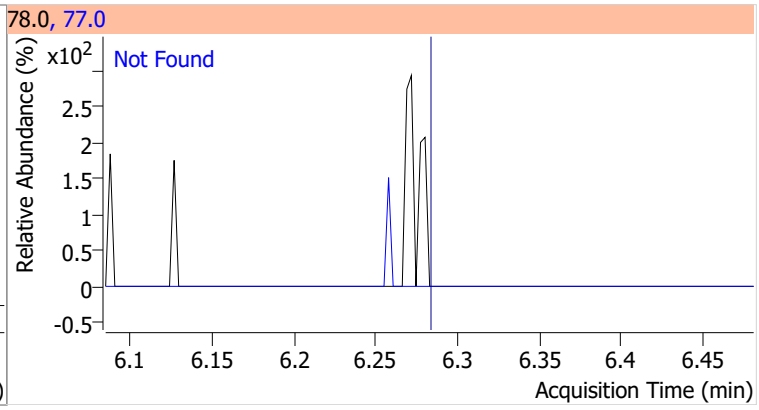




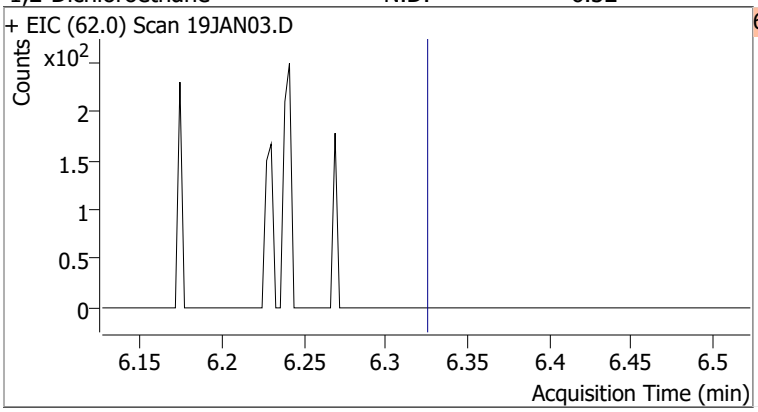


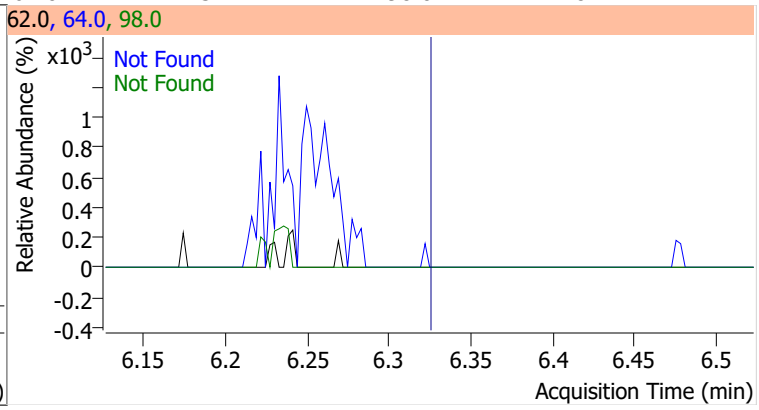
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



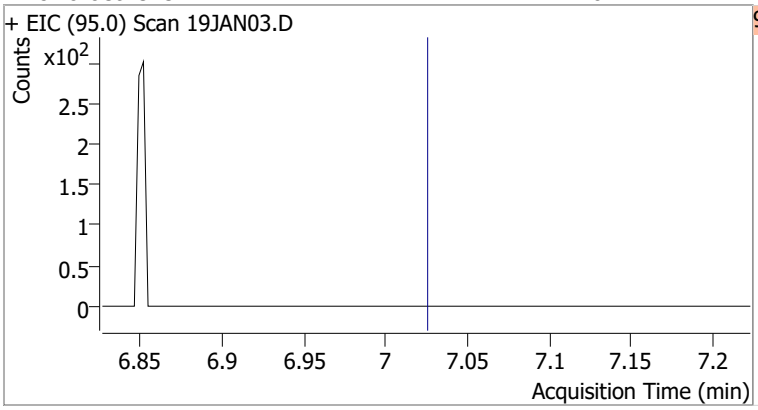


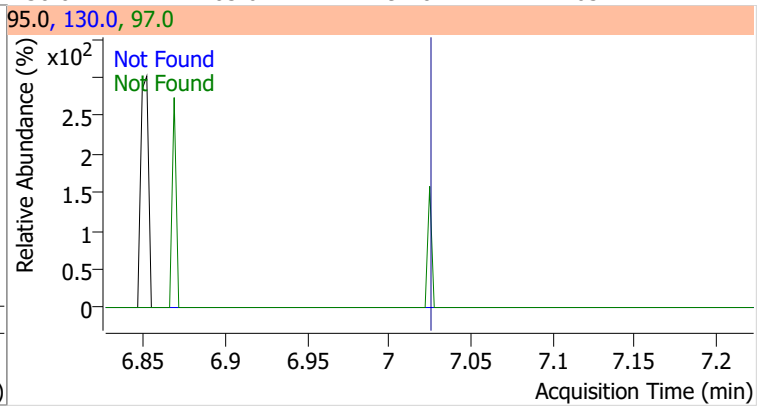
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



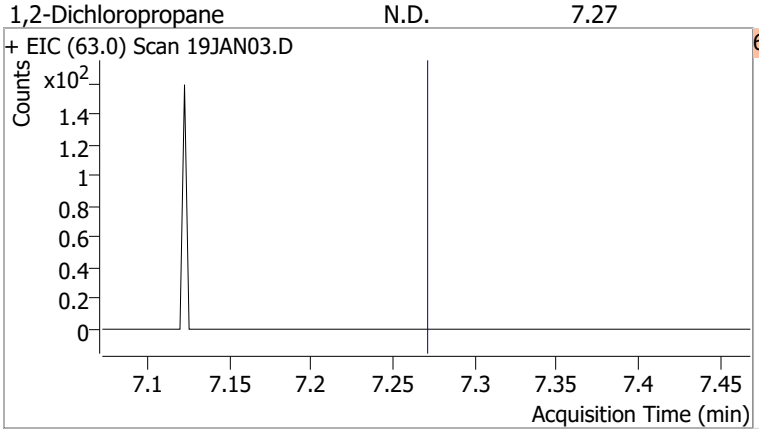


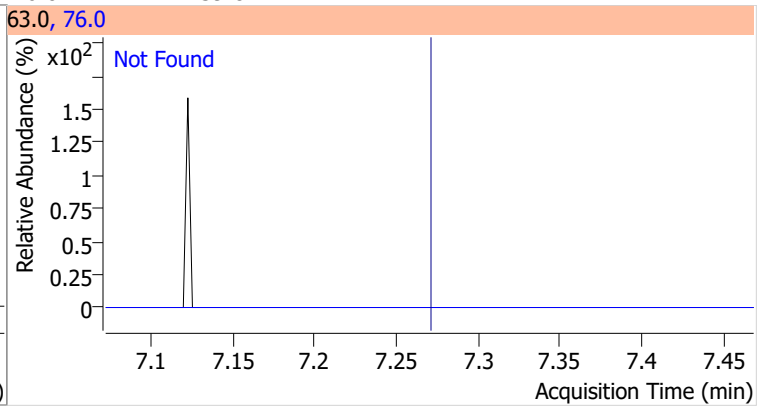
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



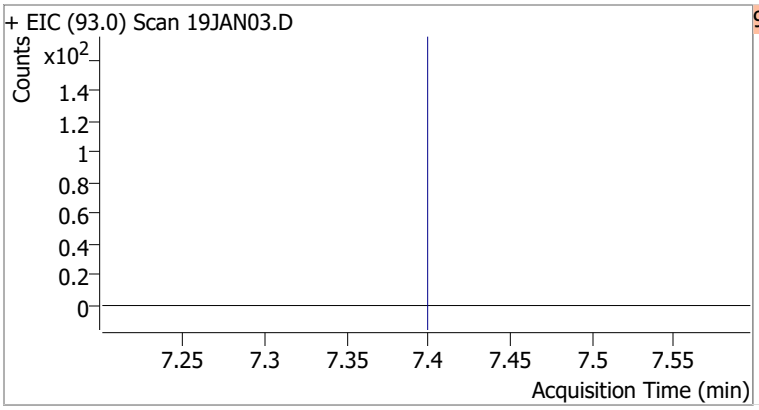


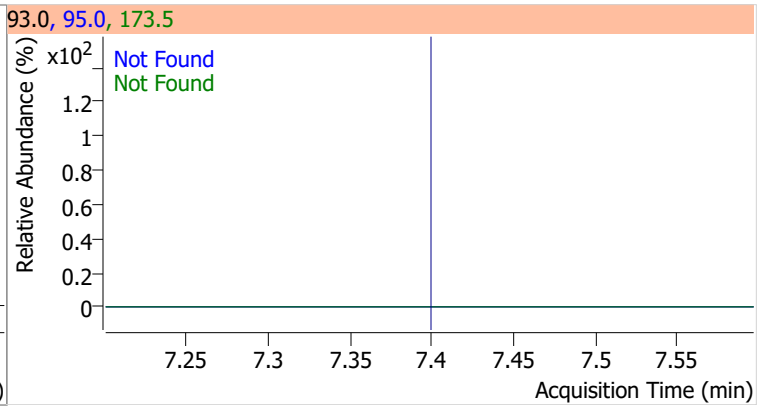
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



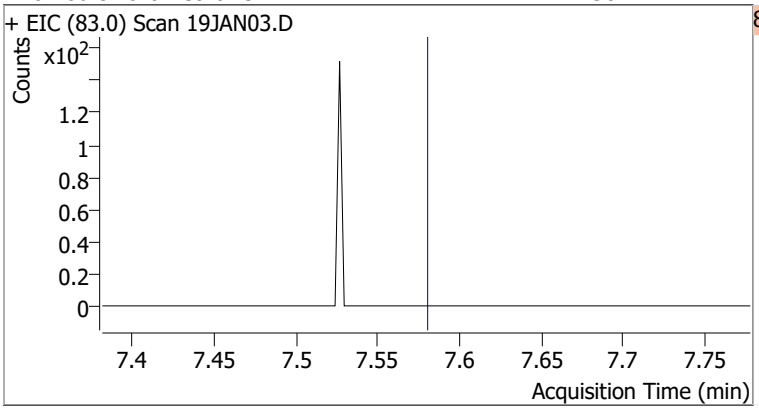


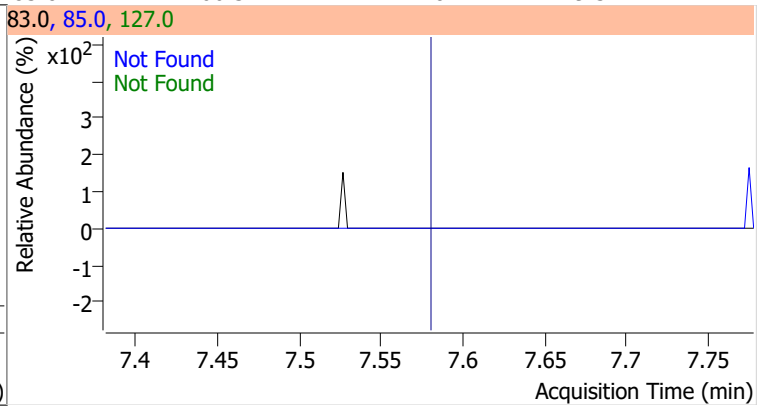
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



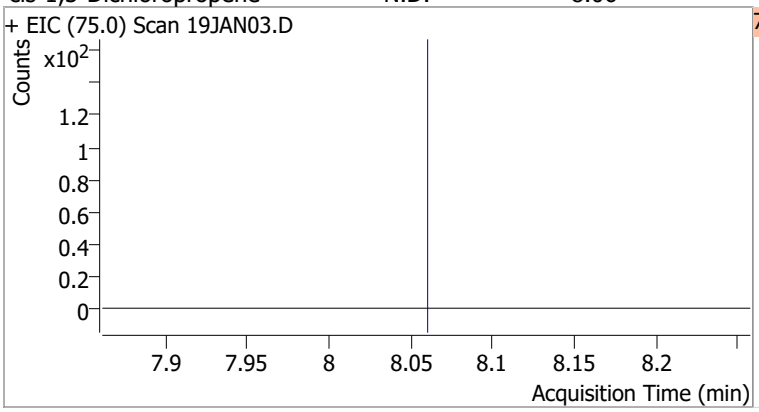


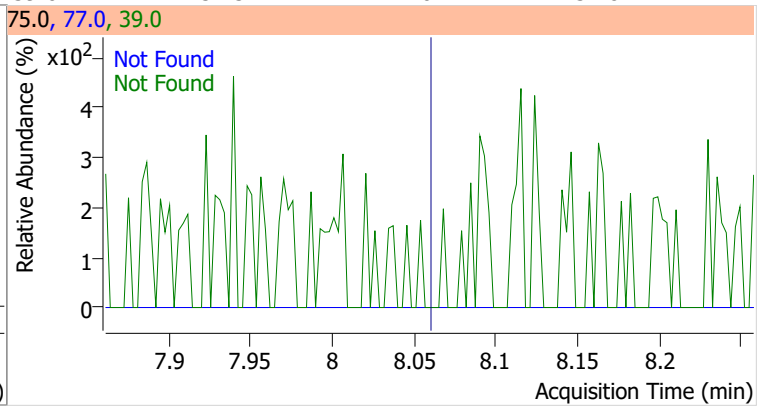
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



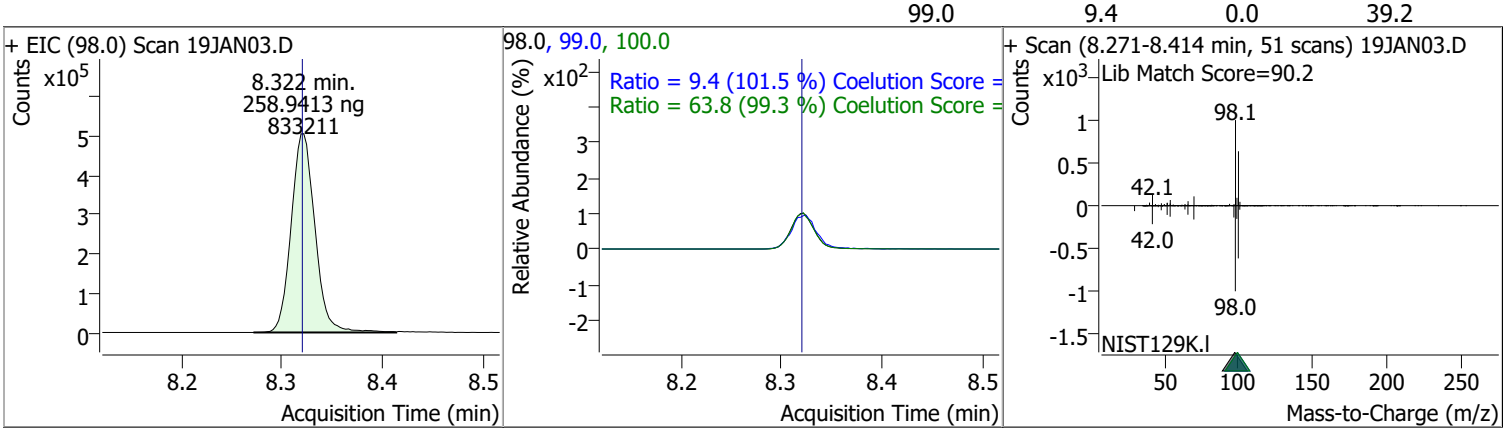


Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

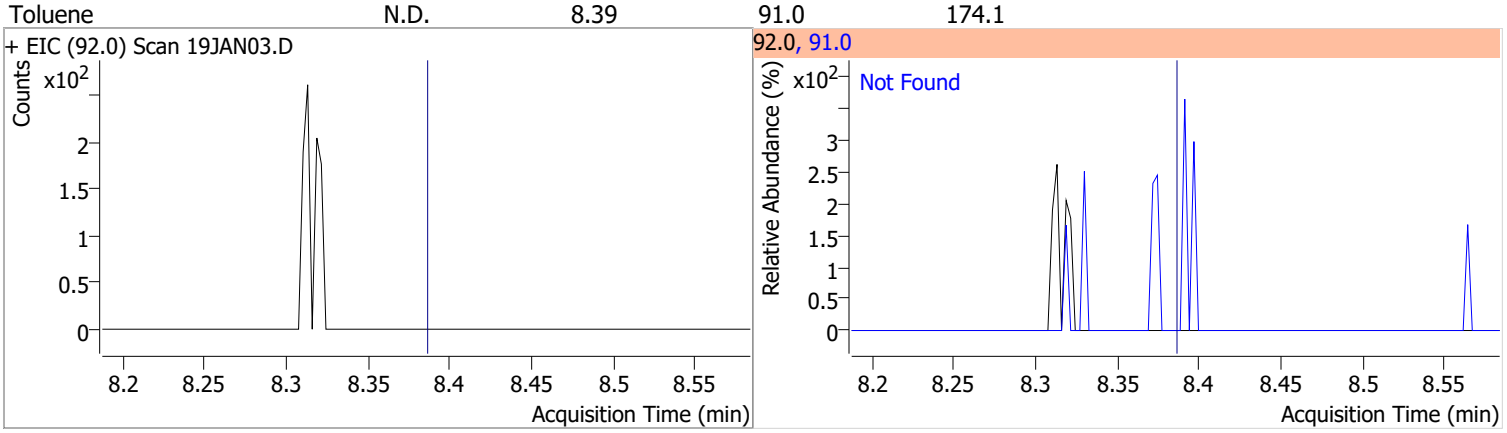




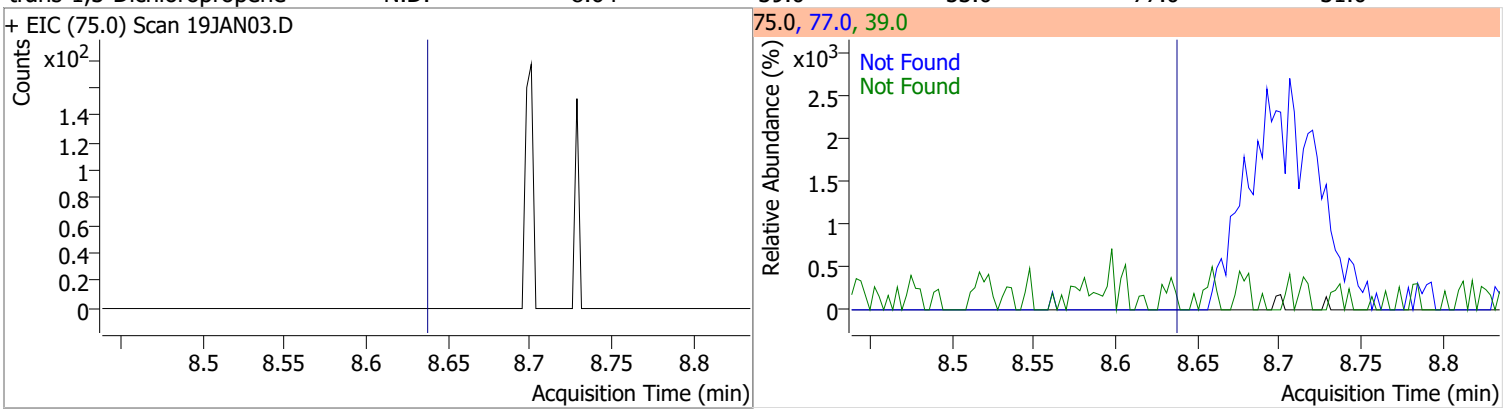
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	258.9413	8.32	0.00	833211	100.0	63.8	34.3	94.3
					99.0	9.4	0.0	39.2



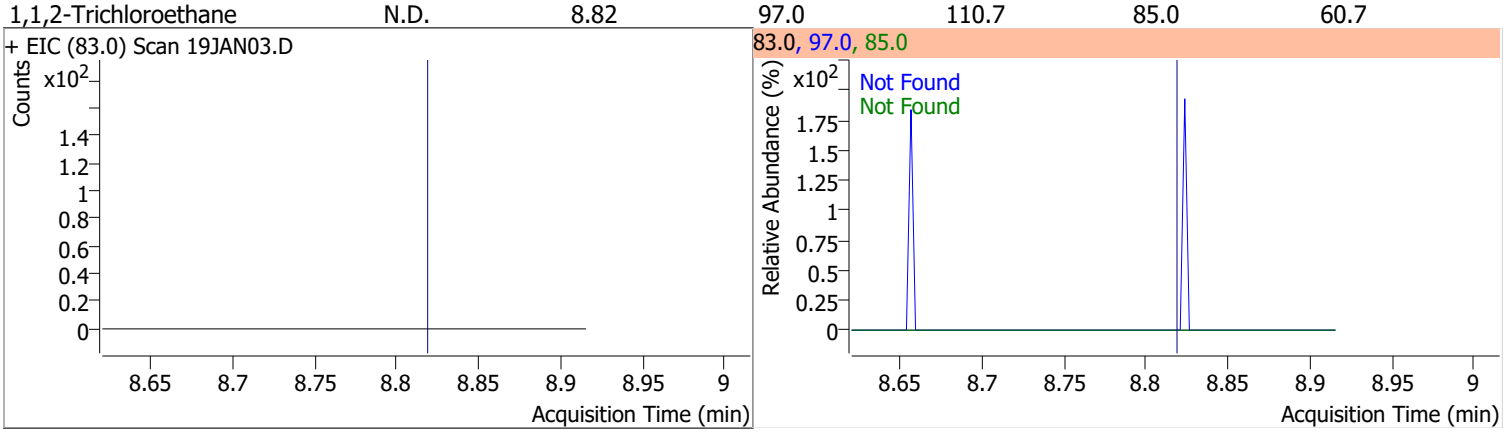
Compound	Conc.	Exp RT	QIon	Exp Ratio
Toluene	N.D.	8.39	91.0	174.1



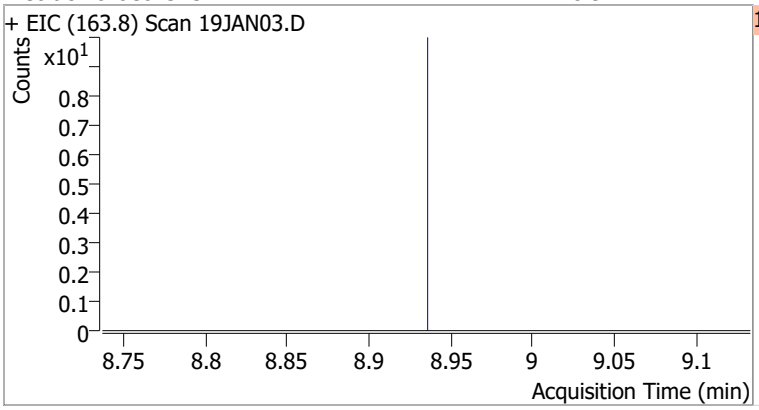
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0

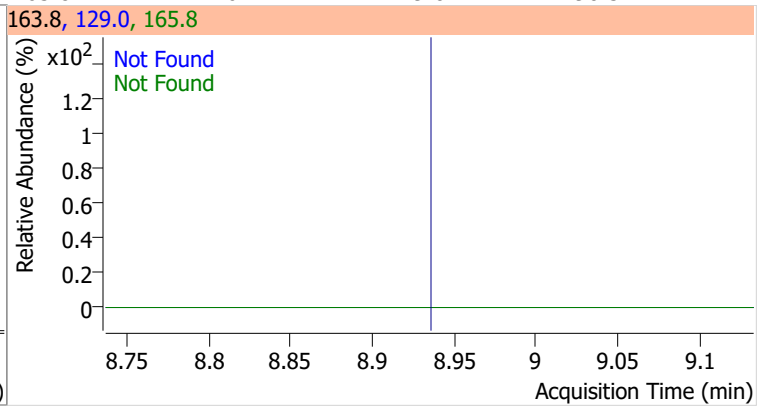


Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7

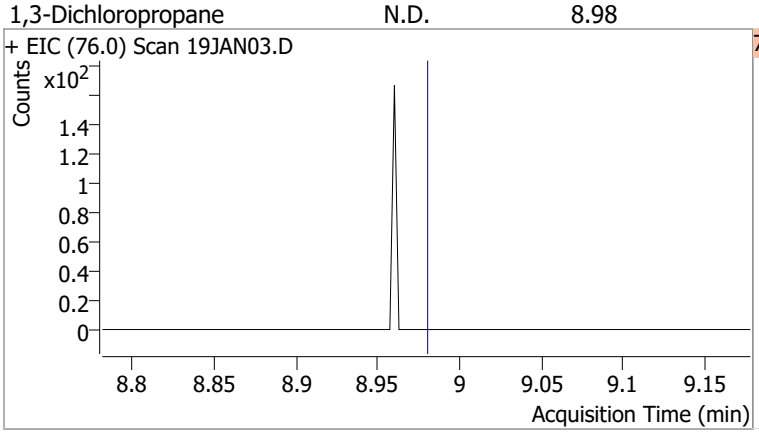


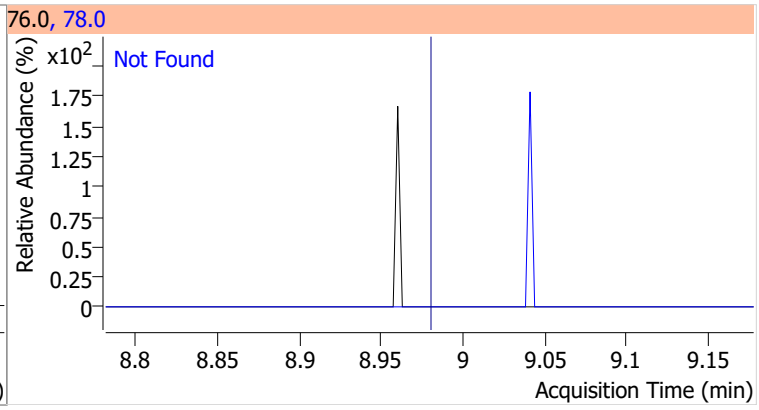
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



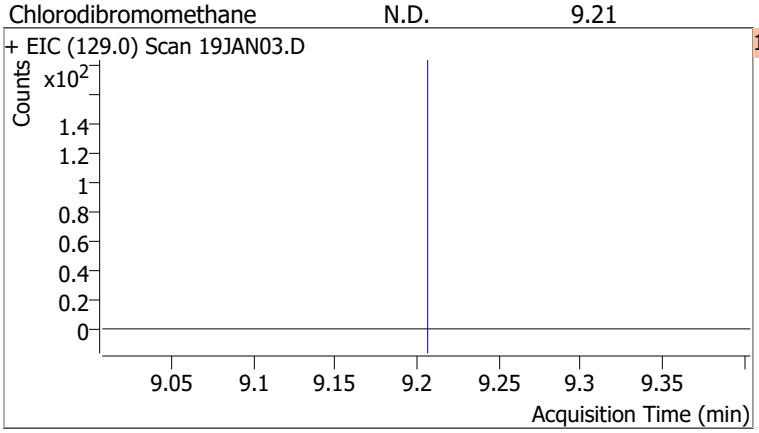


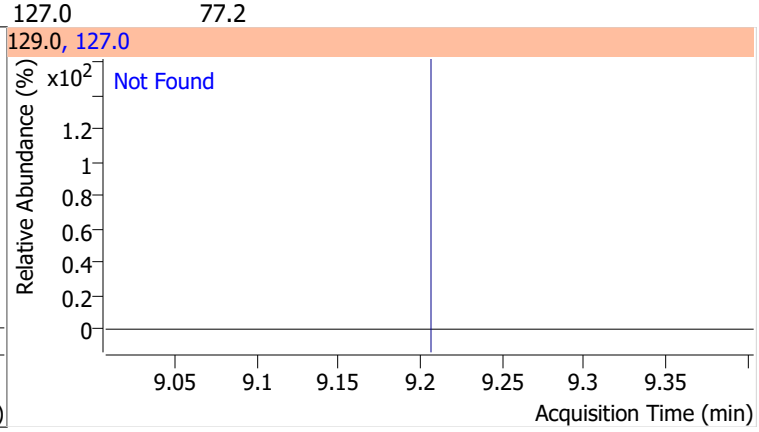
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



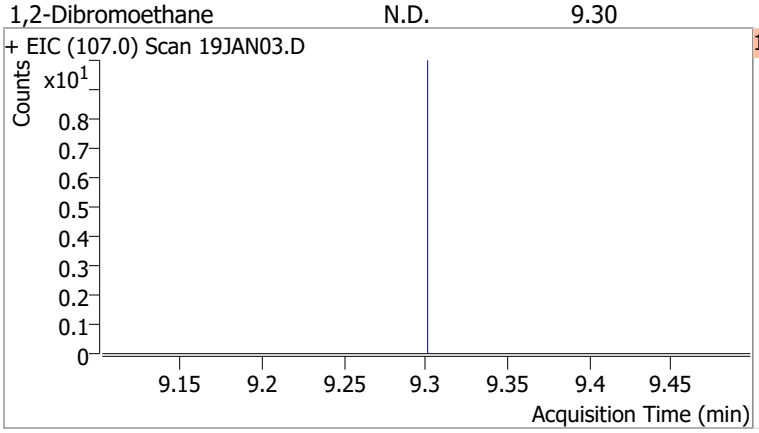


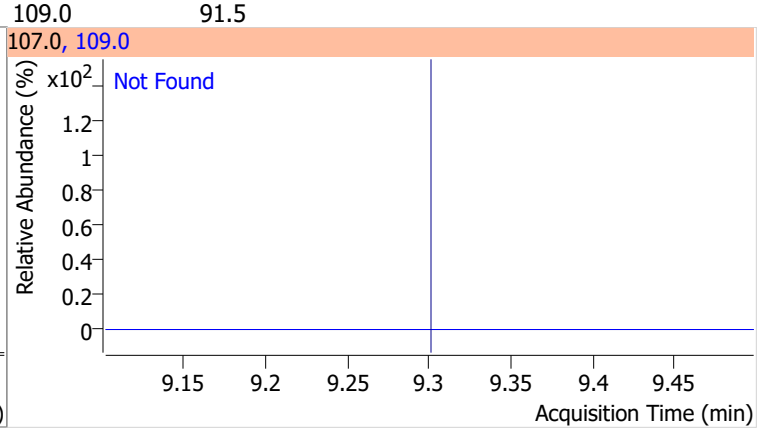
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



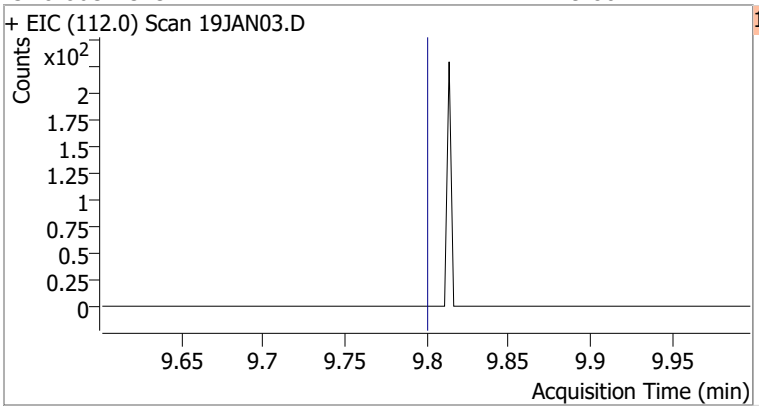


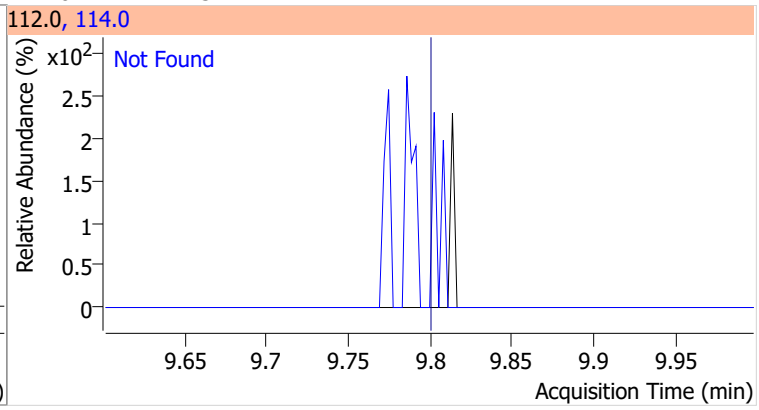
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



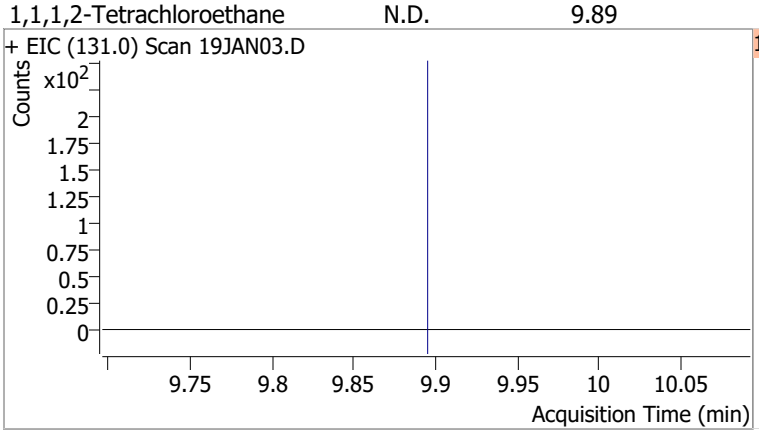


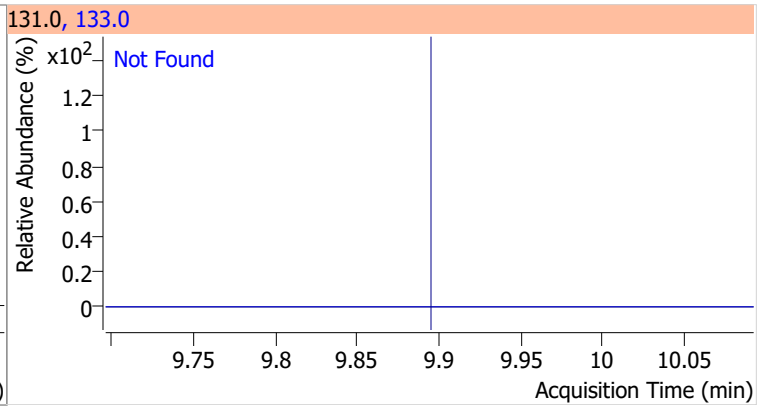
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



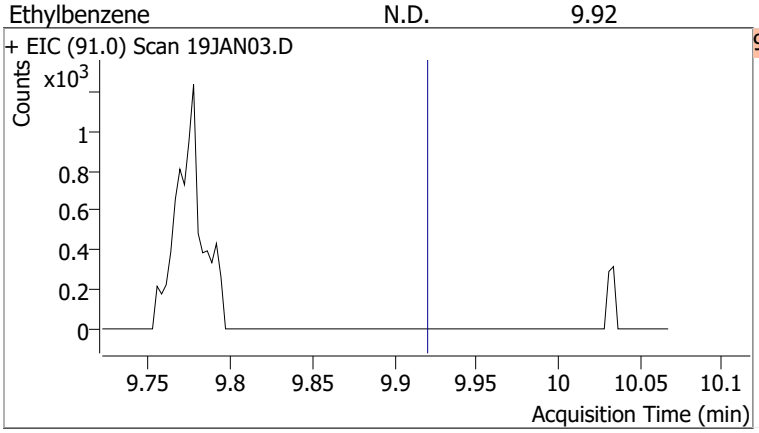


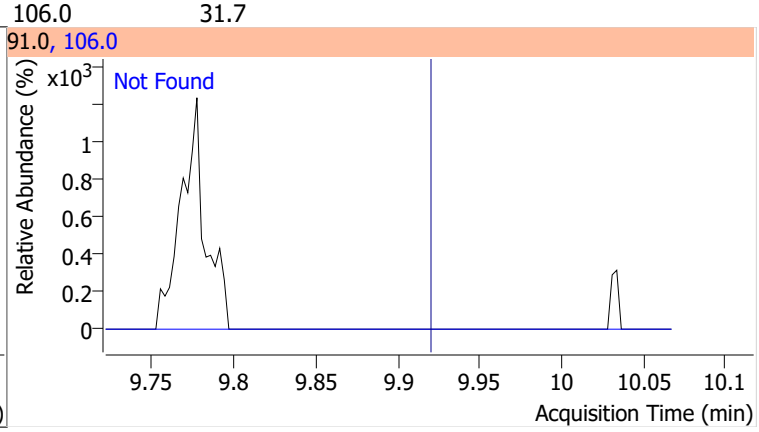
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



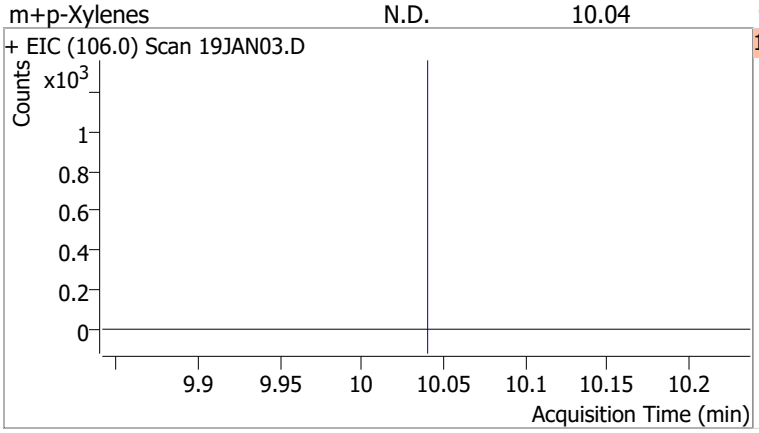


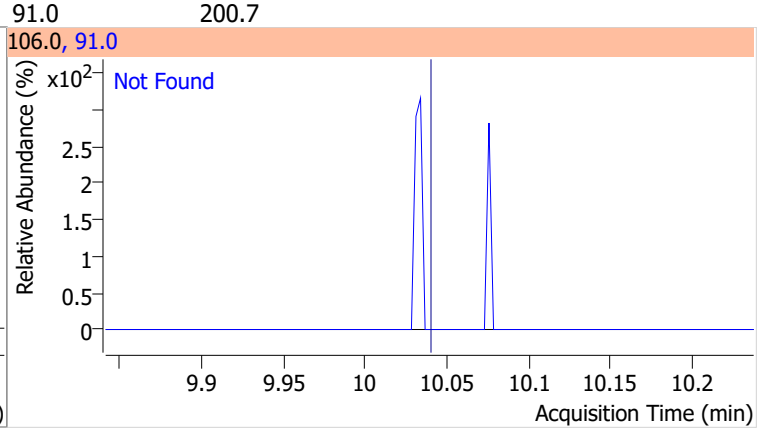
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



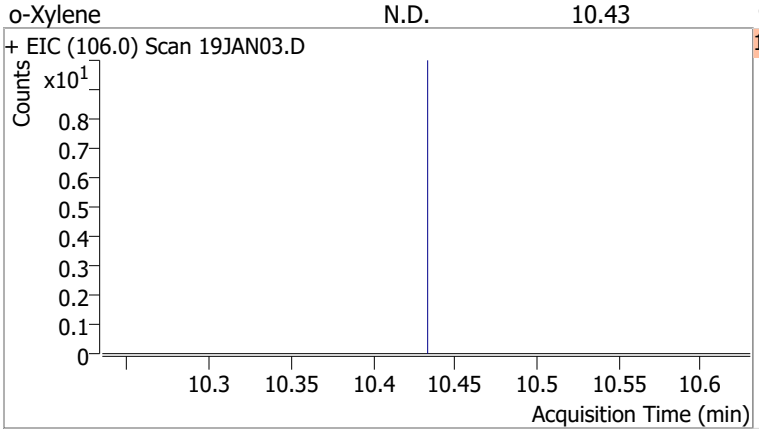


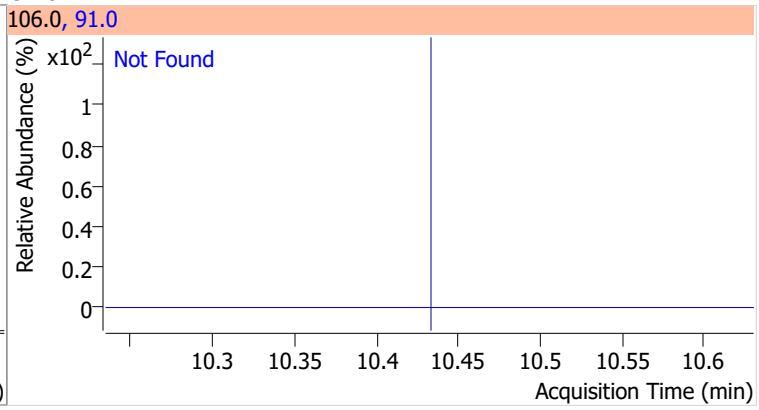
Compound	Conc.	Exp RT	QIon	Exp Ratio
m+p-Xylenes	N.D.	10.04	91.0	200.7



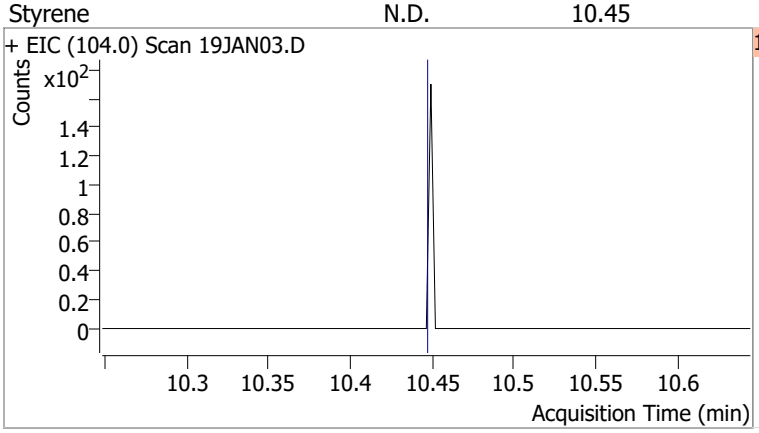


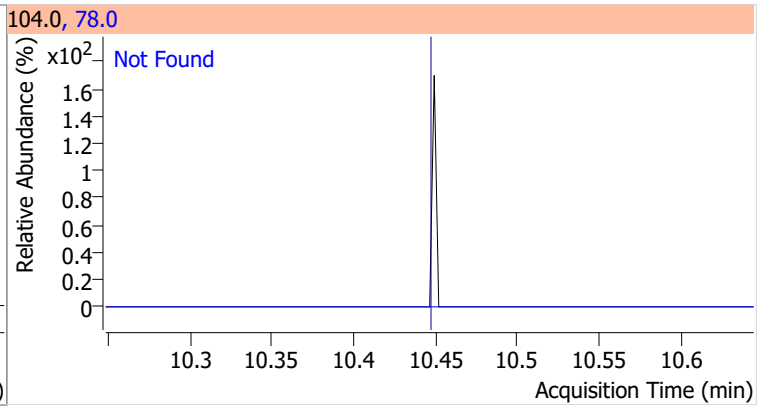
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



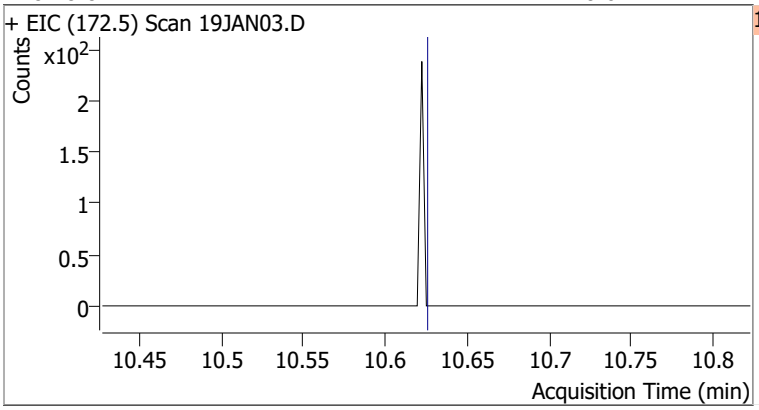


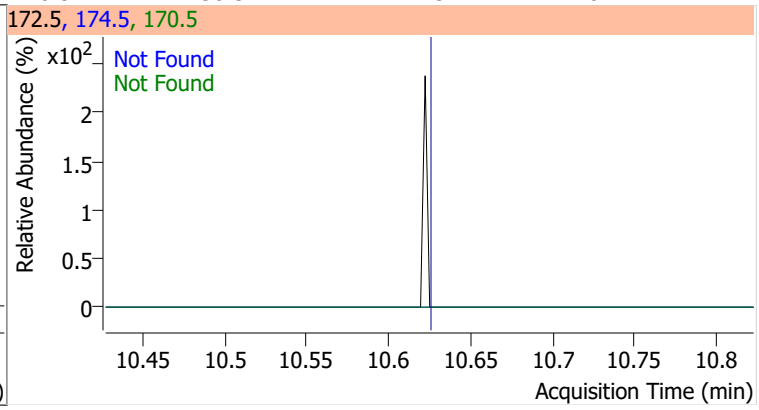
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



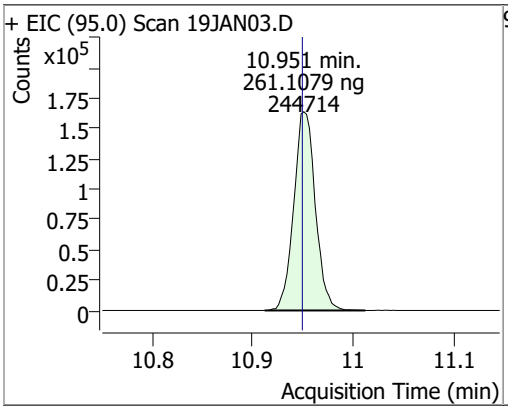


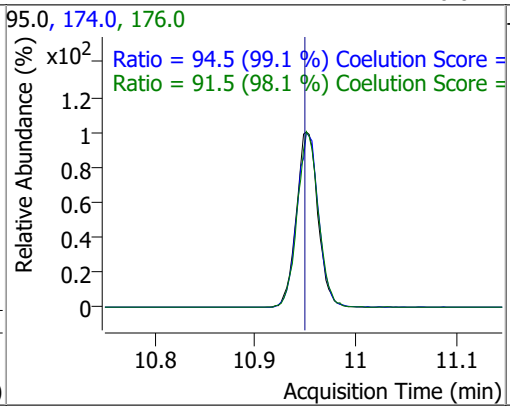
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

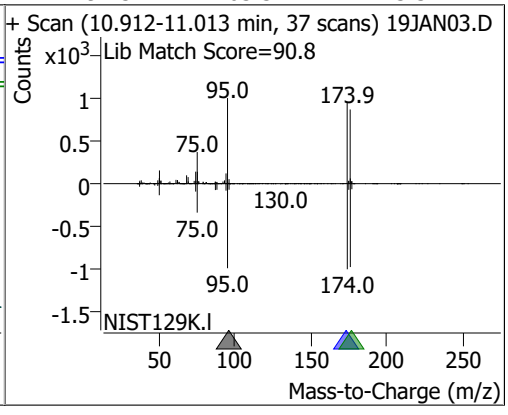




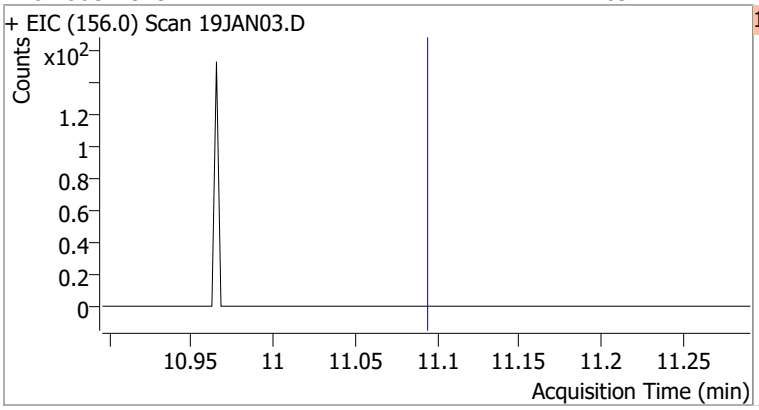
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	261.1079	10.95	0.00	244714	174.0	94.5	65.3	125.3
					176.0	91.5	63.3	123.3

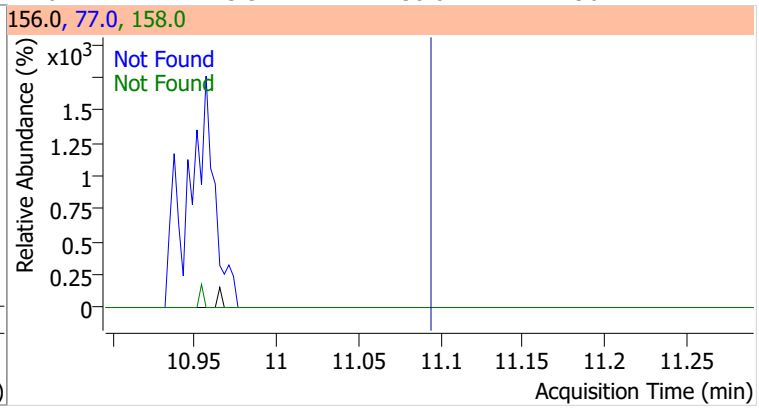




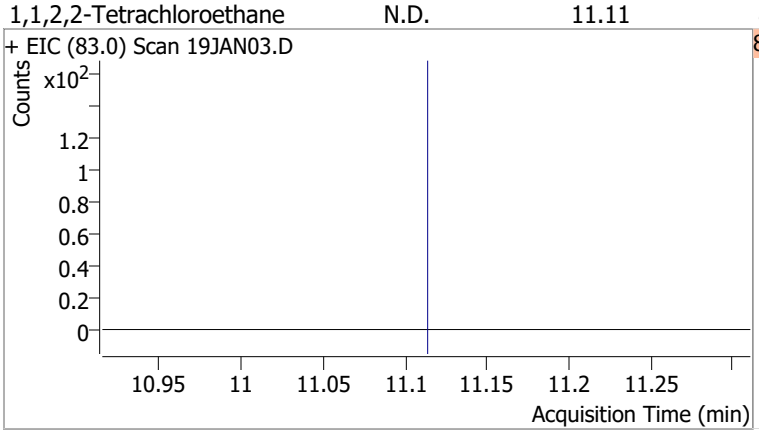


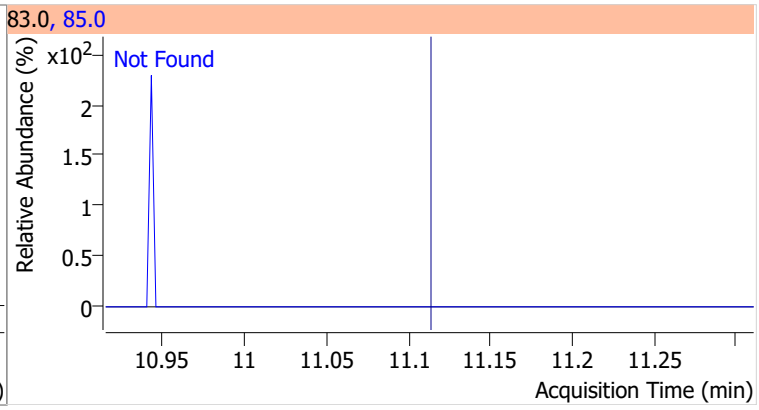
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



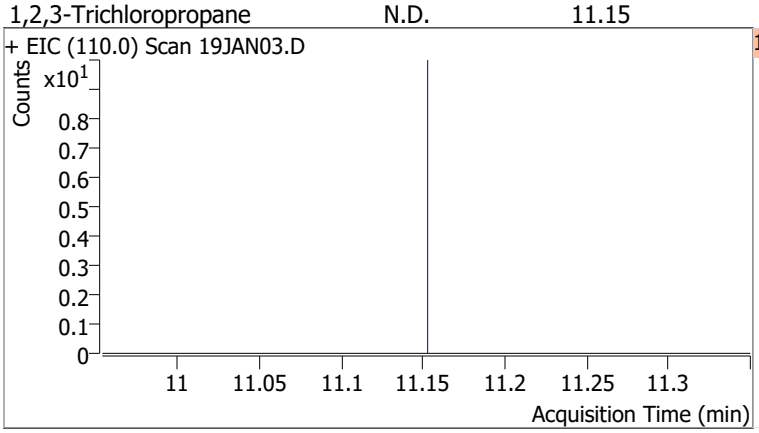


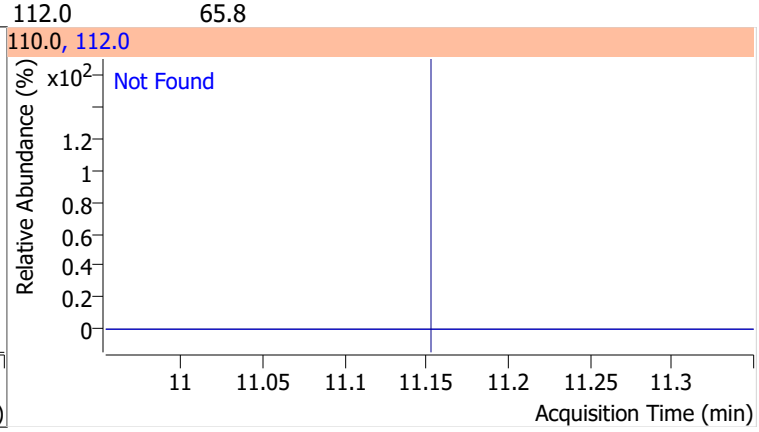
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



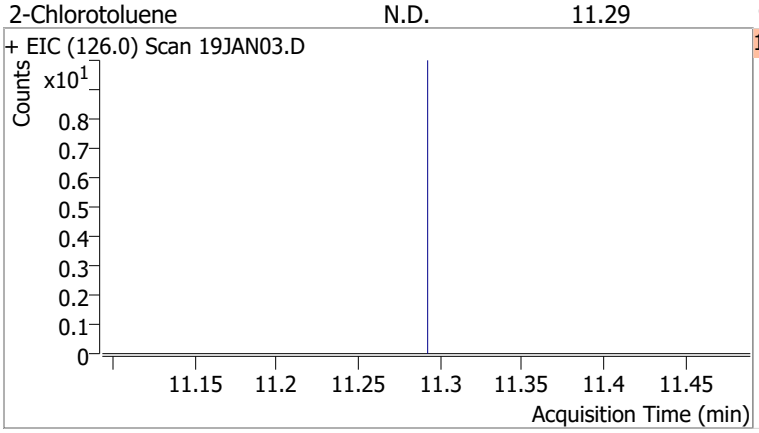


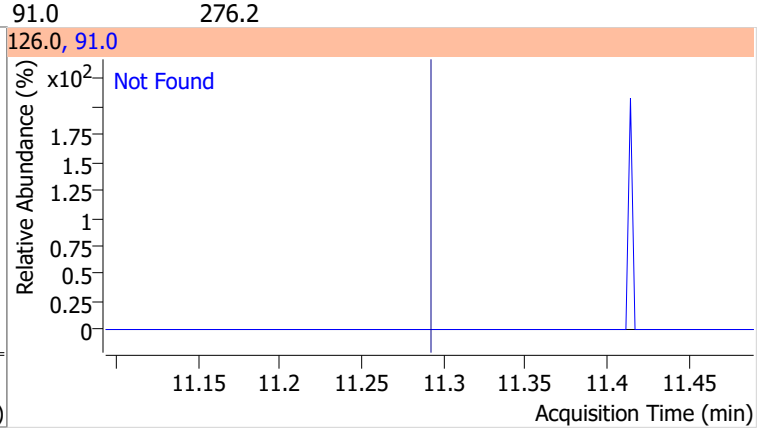
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



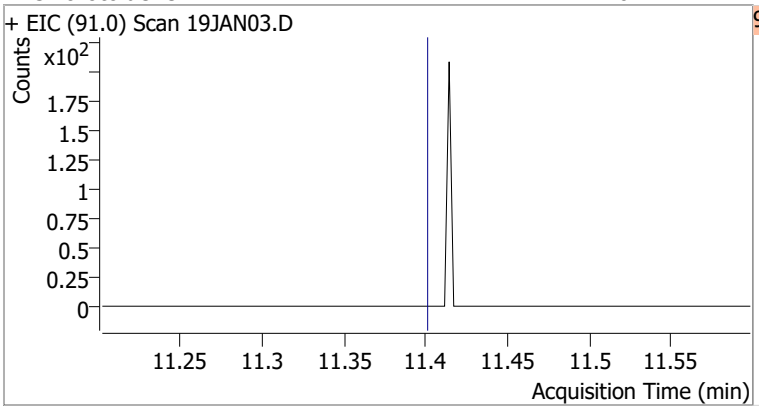


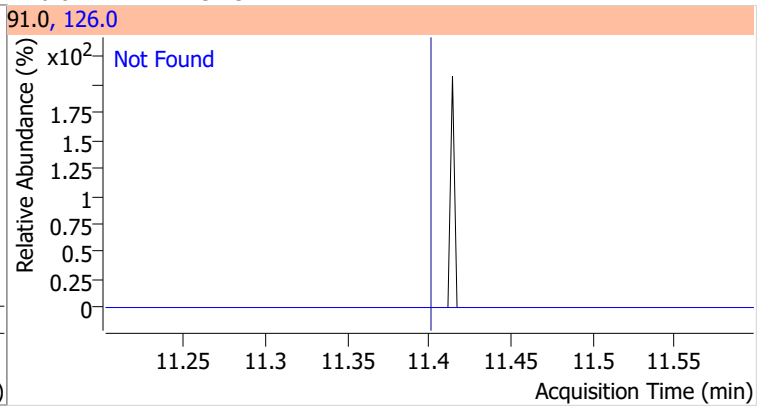
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



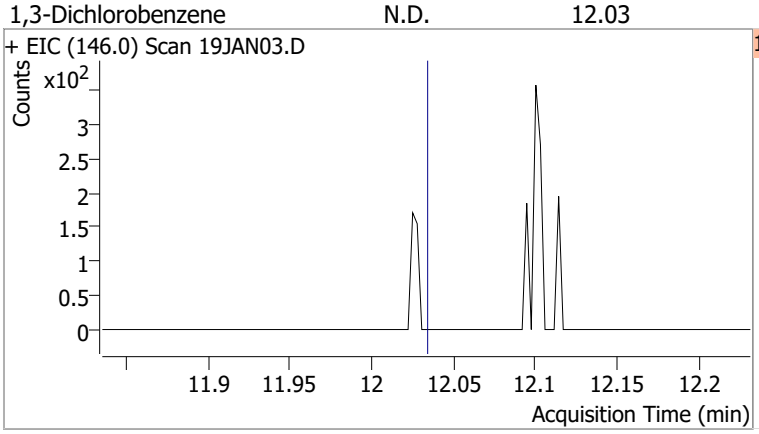


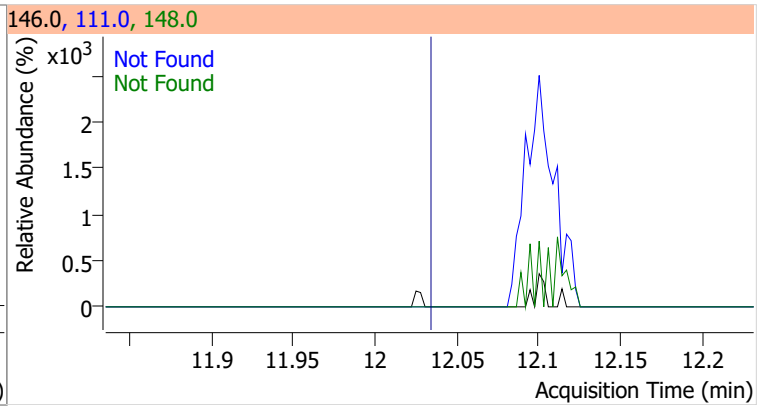
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



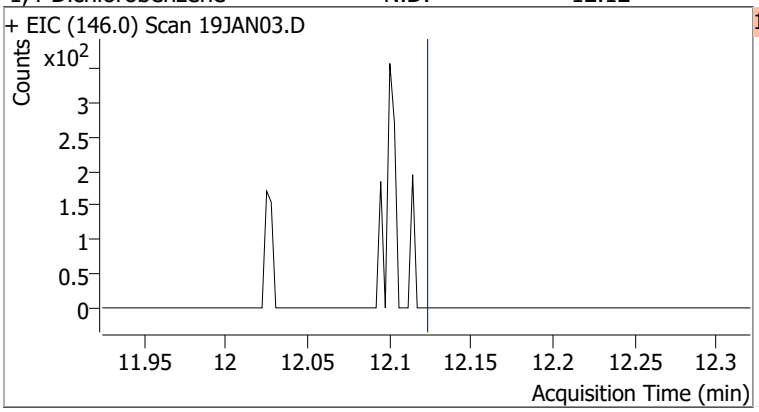


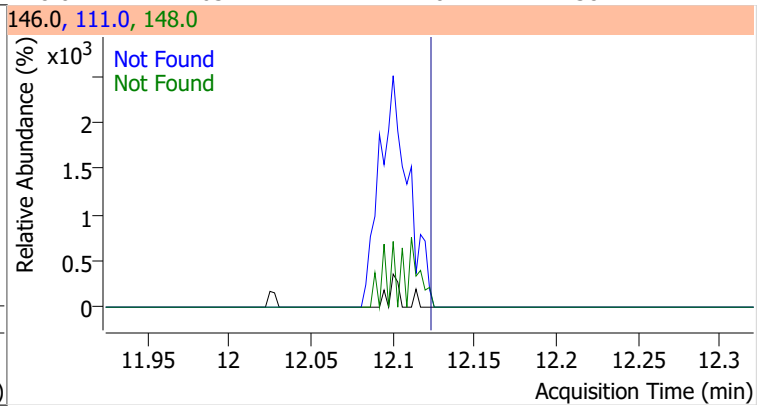
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



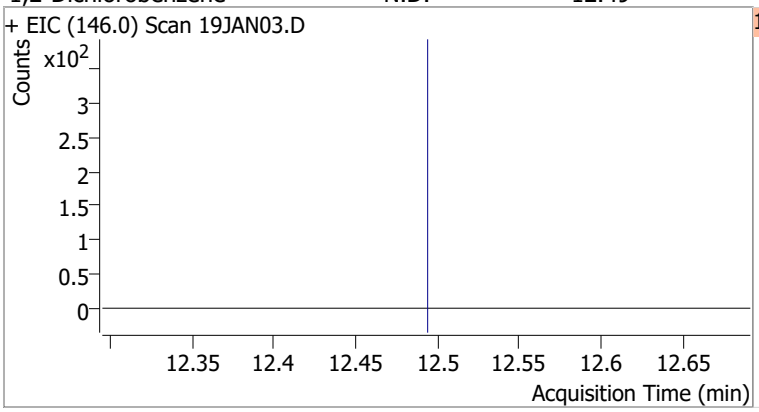


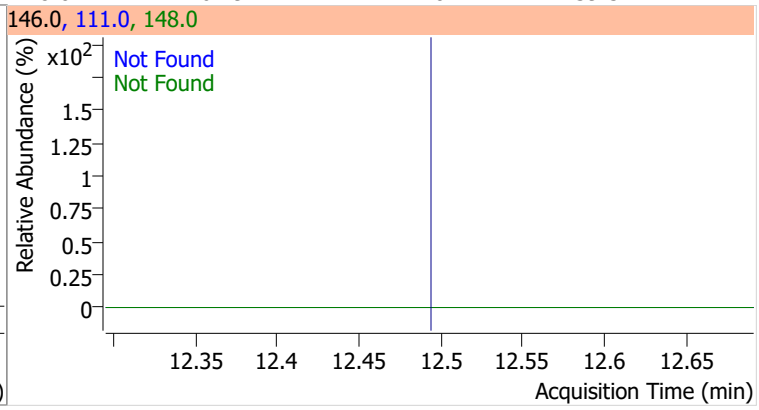
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





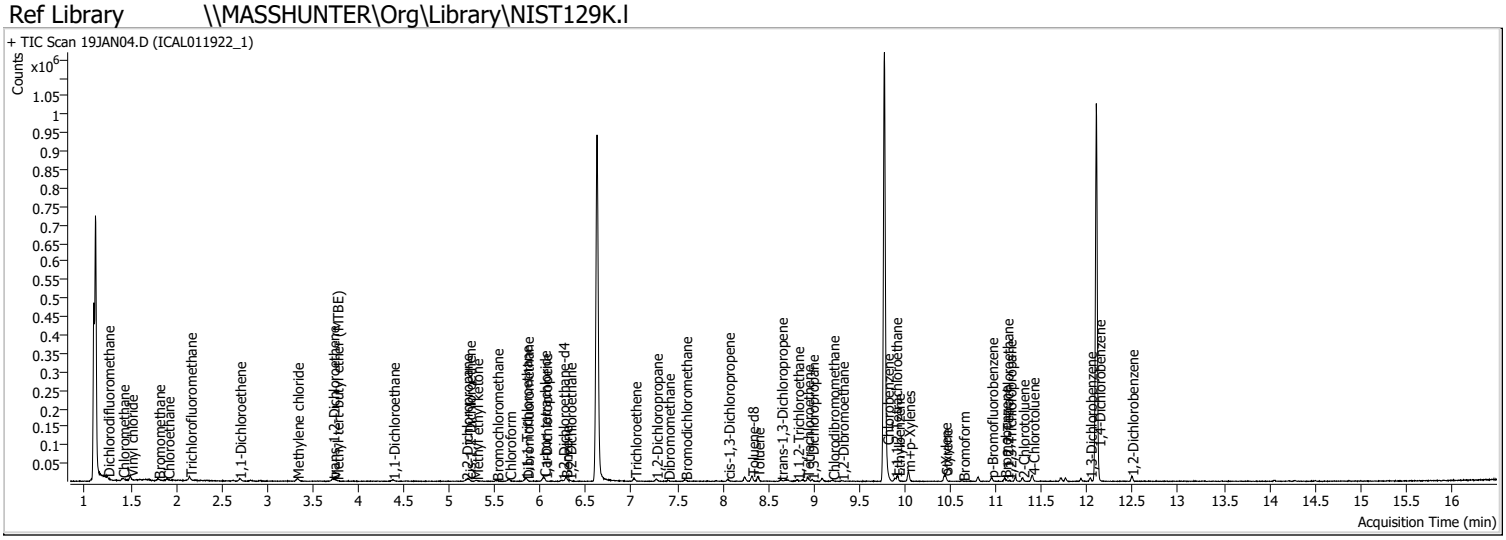
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	19JAN04.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	1/19/2022 10:48:21 AM
Sample Name	ICAL011922_1	Instrument	VOA5975C
Vial	4	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG011922_8260B.batch.bin	Last Calib Update	1/20/2022 9:28:12 AM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

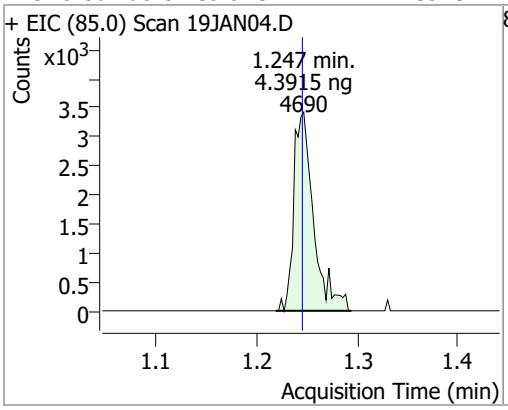


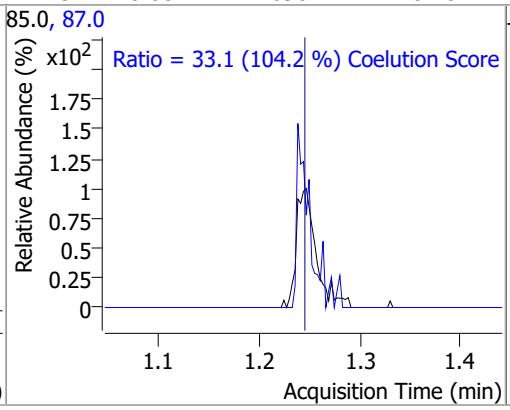
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	794248	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	316490	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	241587	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.851	113.0	2660	3.4579	ng	m	0.000
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 1.38%		*	
S 1,2-Dichloroethane-d4	6.241	67.0	979	2.9446	ng	m	0.011
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 1.18%		*	
S Toluene-d8	8.319	98.0	8454	2.7380	ng		0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 1.10%		*	
S p-Bromofluorobenzene	10.946	95.0	3195	3.5819	ng		-0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 1.43%		*	
Target Compounds							**QValue**
T Dichlorodifluoromethane	1.247	85.0	4690	4.3915	ng		98
T Chloromethane	1.411	50.0	6614	5.2603	ng		94
T Vinyl chloride	1.503	62.0	5818	5.0835	ng		98
T Bromomethane	1.804	96.0	2332	6.7043	ng		90
T Chloroethane	1.905	64.0	2651	4.8967	ng	m	90
T Trichlorofluoromethane	2.150	101.0	6220	4.5322	ng		99
T 1,1-Dichloroethene	2.694	96.0	2342	2.9328	ng		90
T Methylene chloride	3.327	49.0	4701	4.0490	ng		93
T trans-1,2-Dichloroethene	3.717	96.0	2132	2.5845	ng	m	95
T Methyl tert-butyl ether (MTBE)	3.762	73.0	2662	2.5817	ng	m	90
T 1,1-Dichloroethane	4.378	63.0	4131	2.6757	ng		87
T 2,2-Dichloropropane	5.181	77.0	3183	2.7359	ng	m	88
T cis-1,2-Dichloroethene	5.215	96.0	2334	2.7941	ng	m	92
T Methyl ethyl ketone	5.293	43.0	2962	24.5342	ng	m	94
T Bromochloromethane	5.516	128.0	901	2.6151	ng	#m	69
T Chloroform	5.656	83.0	4726	3.0658	ng		88

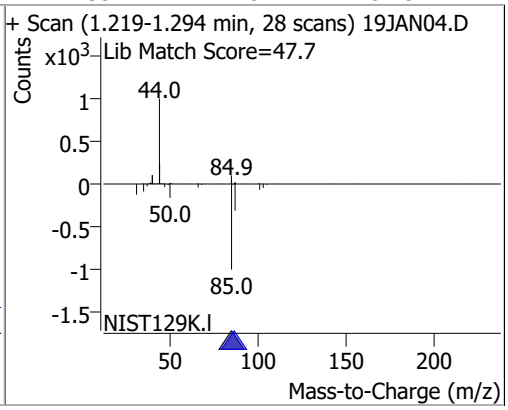
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	5.834	97.0	3627	2.5502	ng	m	99
T Carbon tetrachloride	6.035	117.0	3586	2.5993	ng	m	92
T 1,1-Dichloropropene	6.052	75.0	2749	2.3833	ng	m	87
T Benzene	6.275	78.0	8357	2.6339	ng		99
T 1,2-Dichloroethane	6.316	62.0	2542	2.9004	ng	m	86
T Trichloroethene	7.030	95.0	2545	2.6860	ng		92
T 1,2-Dichloropropane	7.267	63.0	2351	2.8222	ng		83
T Dibromomethane	7.398	93.0	1166	3.3195	ng	#m	69
T Bromodichloromethane	7.588	83.0	2606	2.6393	ng		88
T cis-1,3-Dichloropropene	8.057	75.0	3052	2.8168	ng		81
T Toluene	8.380	92.0	5454	2.6500	ng		88
T trans-1,3-Dichloropropene	8.639	75.0	2153	2.7242	ng		84
T 1,1,2-Trichloroethane	8.818	83.0	1045	2.6009	ng	m	82
T Tetrachloroethene	8.927	163.8	2190	2.6241	ng		96
T 1,3-Dichloropropane	8.977	76.0	2260	2.7790	ng		90
T Chlorodibromomethane	9.205	129.0	2004	3.0962	ng	m	82
T 1,2-Dibromoethane	9.309	107.0	1089	2.4525	ng	m	91
T Chlorobenzene	9.799	112.0	6152	2.7267	ng		83
T 1,1,1,2-Tetrachloroethane	9.891	131.0	2284	2.8847	ng	m	93
T Ethylbenzene	9.922	91.0	8834	2.9089	ng		95
T m+p-Xylenes	10.036	106.0	6744	6.1738	ng		95
T o-Xylene	10.432	106.0	2826	3.0886	ng		88
T Styrene	10.444	104.0	4834	3.1839	ng		98
T Bromoform	10.633	172.5	928	2.8662	ng	m	68
T Bromobenzene	11.093	156.0	2095	2.6633	ng		97
T 1,1,2,2-Tetrachloroethane	11.116	83.0	1247	2.7802	ng	m	90
T 1,2,3-Trichloropropane	11.149	110.0	358	3.0373	ng	m	70
T 2-Chlorotoluene	11.289	126.0	2035	2.6139	ng		86
T 4-Chlorotoluene	11.400	91.0	5544	2.1986	ng		94
T 1,3-Dichlorobenzene	12.030	146.0	3715	2.6066	ng		94
T 1,4-Dichlorobenzene	12.122	146.0	3952	2.7200	ng		74
T 1,2-Dichlorobenzene	12.488	146.0	3048	2.5616	ng		94

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

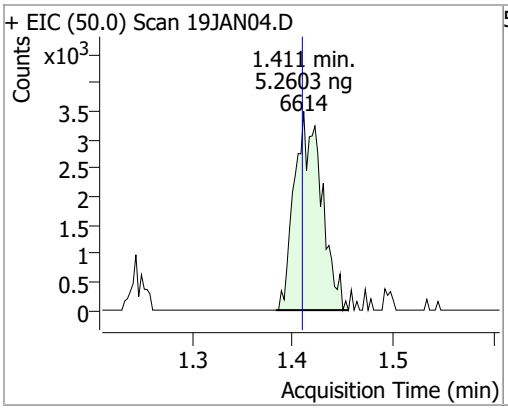
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	4.3915	1.25	0.00	4690	87.0	33.1	1.8	61.8

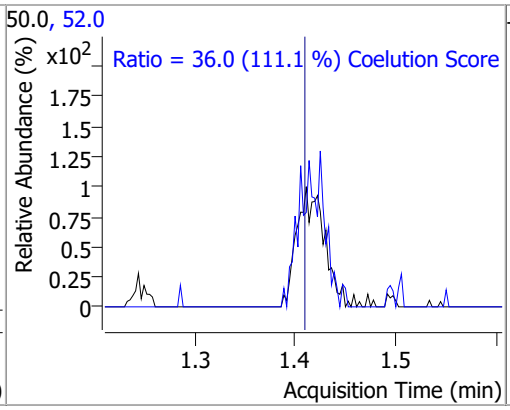


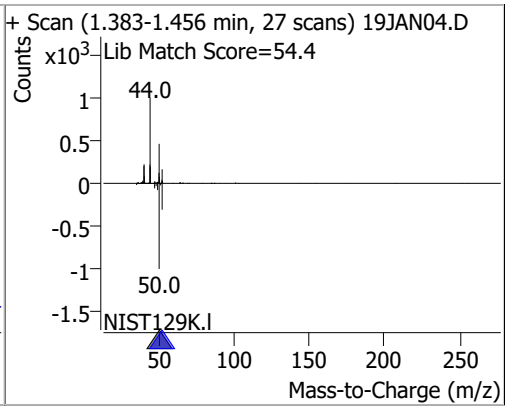




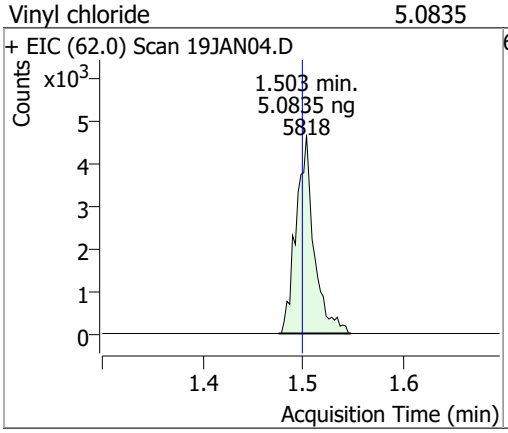
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	5.2603	1.41	0.00	6614	52.0	36.0	2.4	62.4

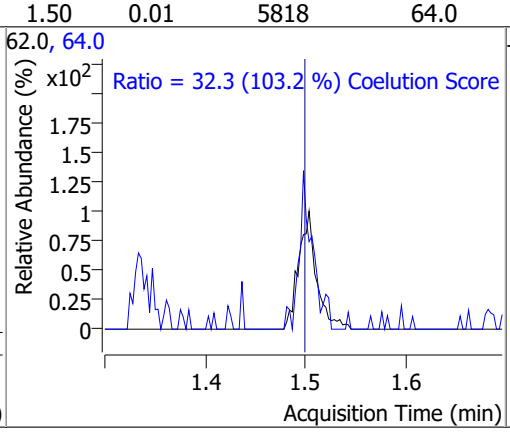


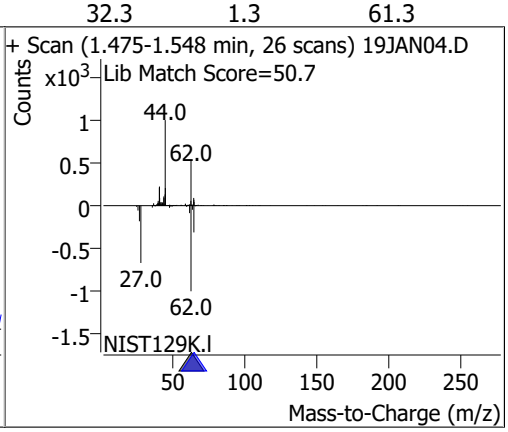




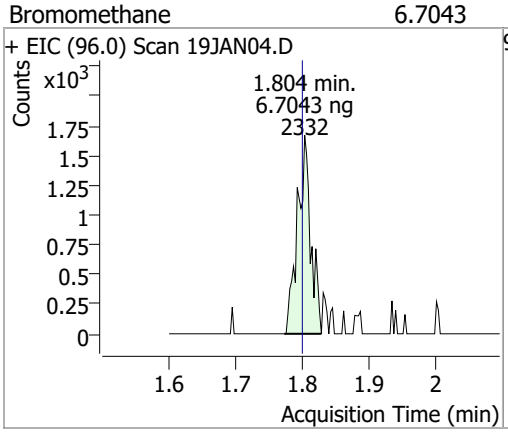
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	5.0835	1.50	0.01	5818	64.0	32.3	1.3	61.3

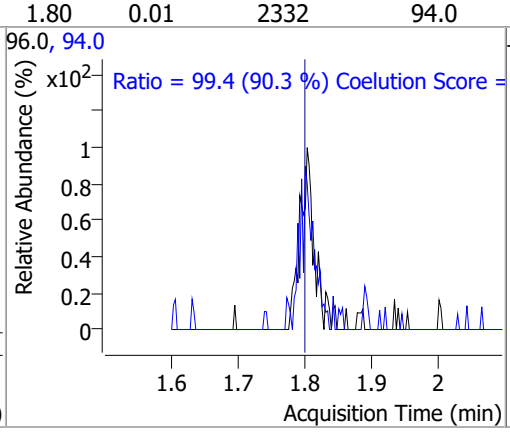


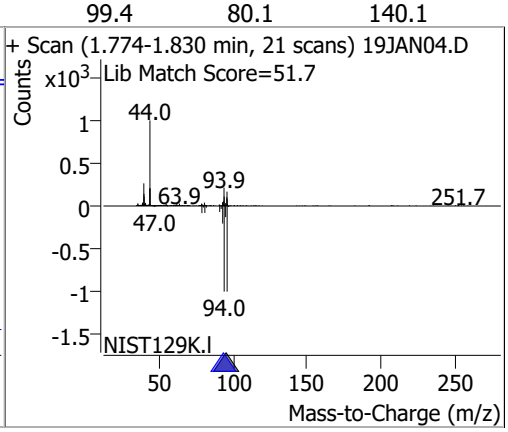




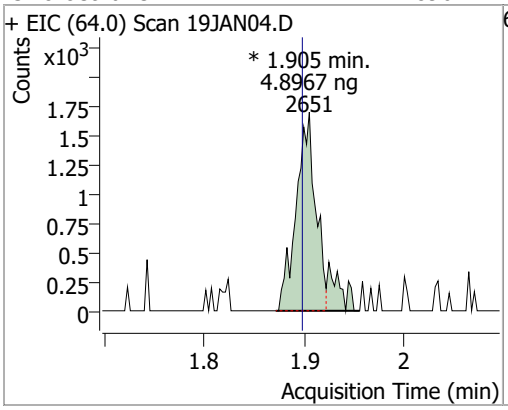
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	6.7043	1.80	0.01	2332	94.0	99.4	80.1	140.1

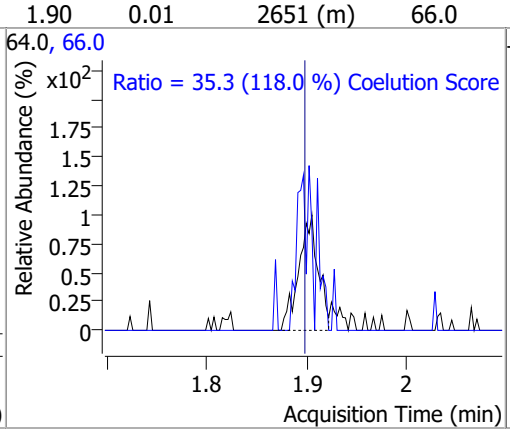


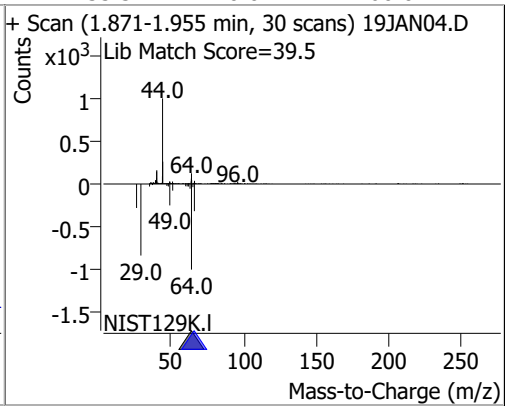




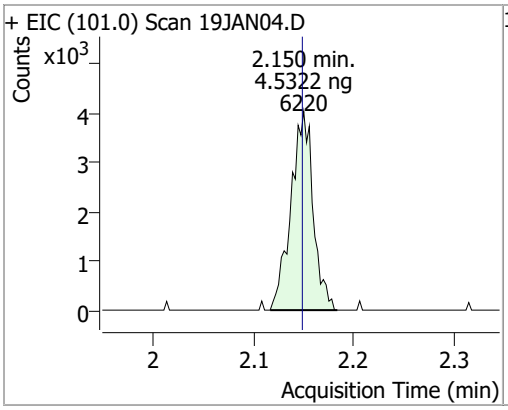
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	4.8967	1.90	0.01	2651 (m)	66.0	35.3	0.0	60.0

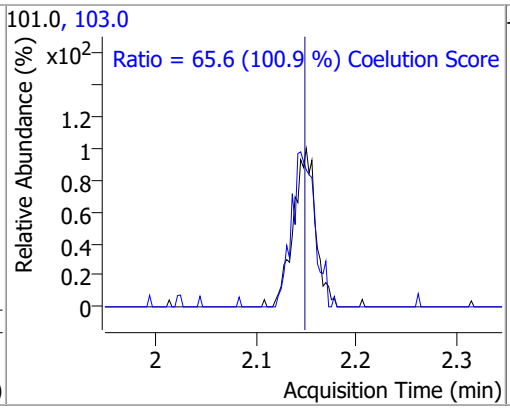


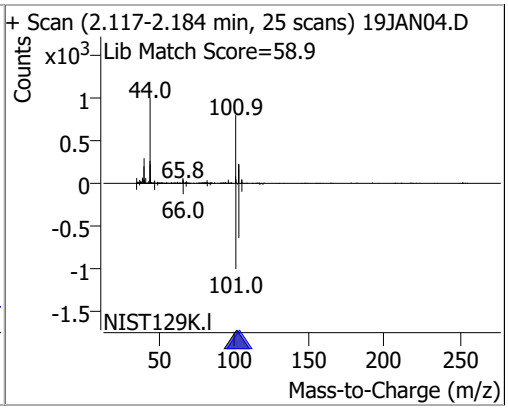




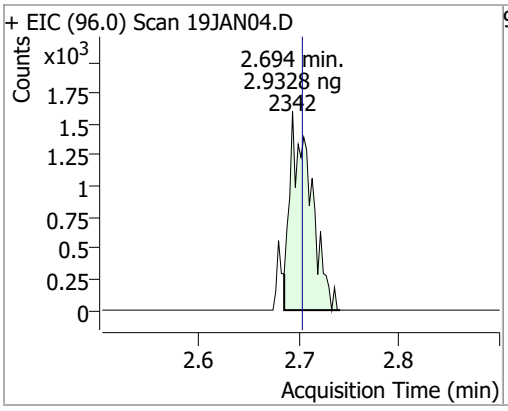
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	4.5322	2.15	0.00	6220	103.0	65.6	35.0	95.0

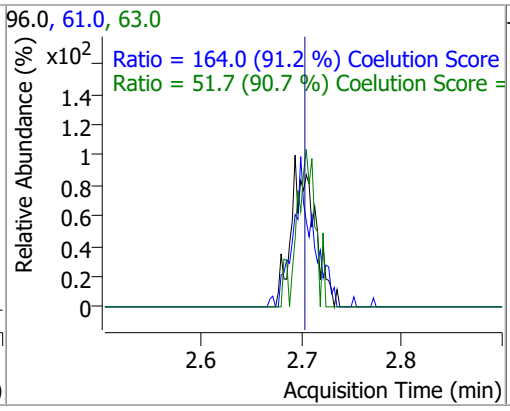


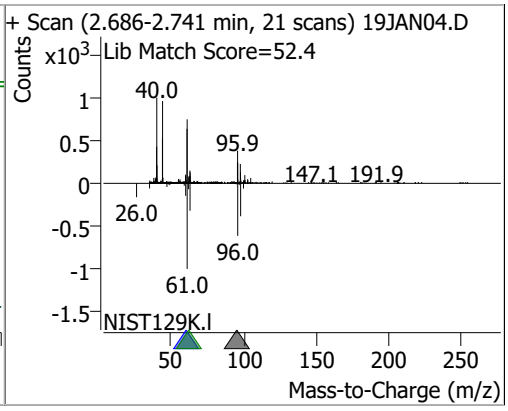




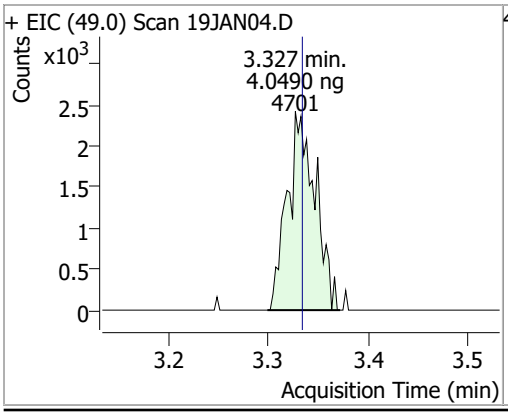
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	2.9328	2.69	-0.01	2342	61.0	164.0	149.9	209.9
					63.0	51.7	27.0	87.0

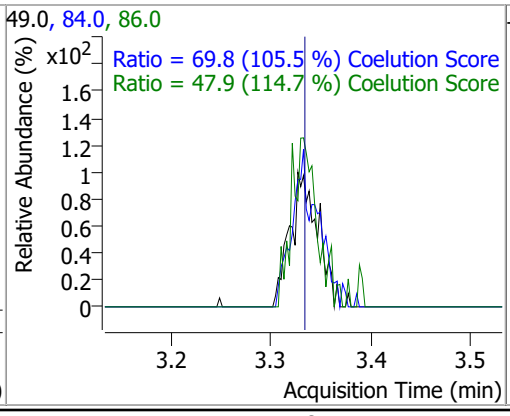


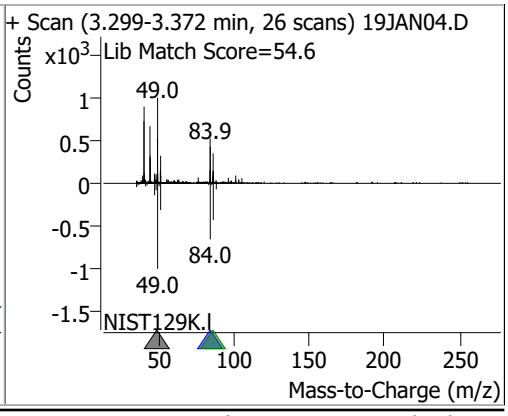




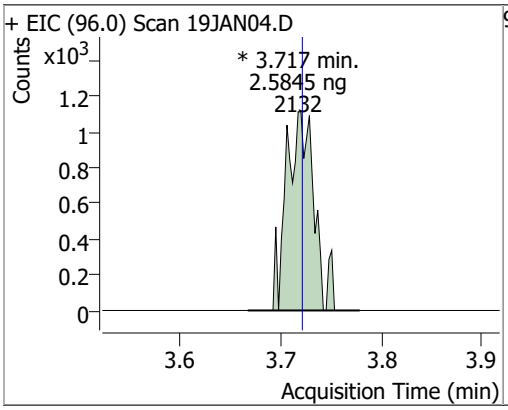
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	4.0490	3.33	-0.01	4701	84.0	69.8	36.1	96.1
					86.0	47.9	11.8	71.8

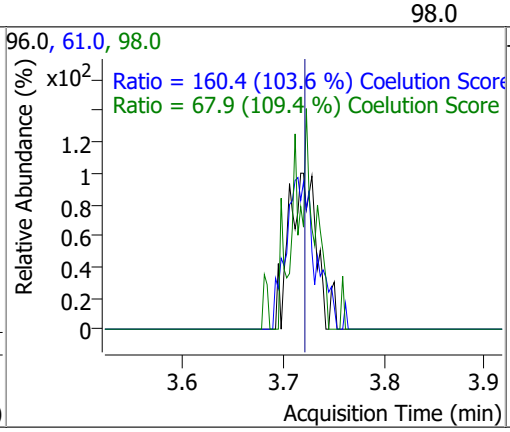


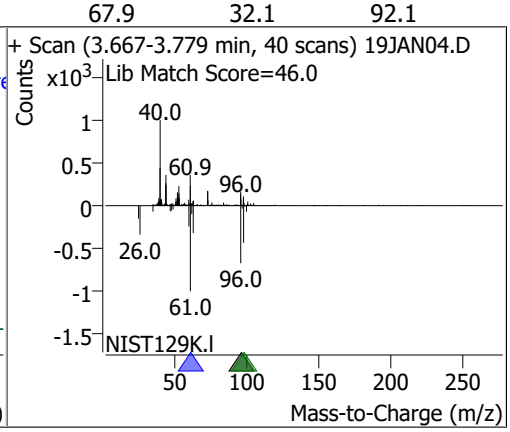




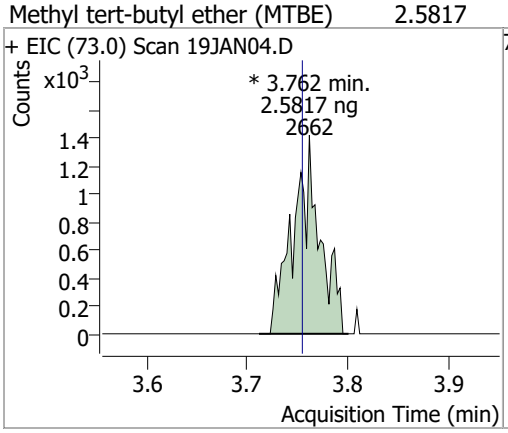
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	2.5845	3.72	0.00	2132 (m)	61.0	160.4	124.8	184.8
					98.0	67.9	32.1	92.1

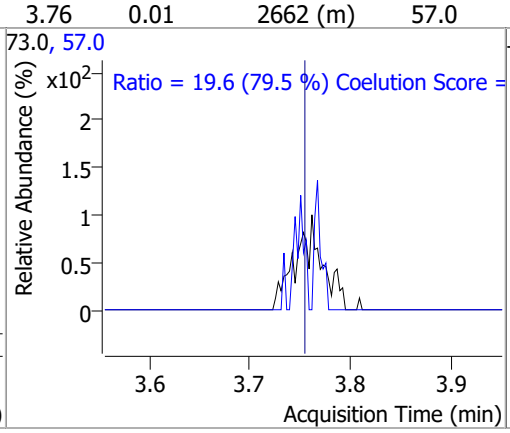


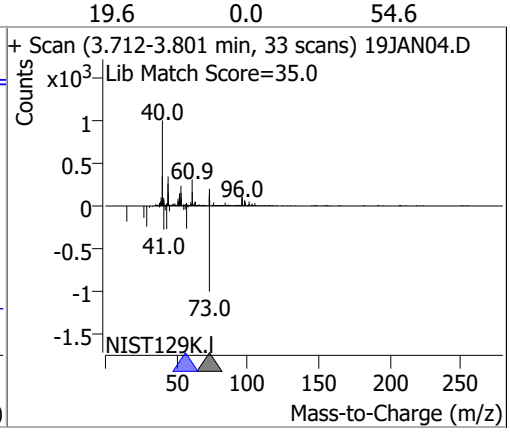




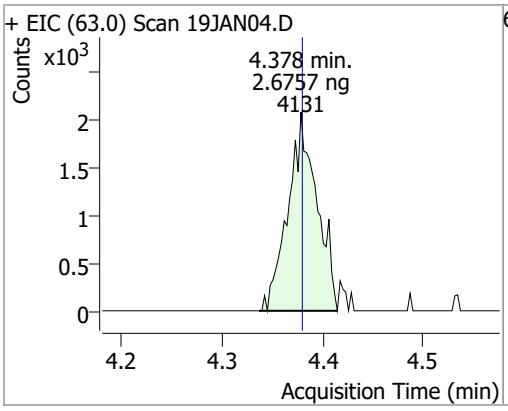
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	2.5817	3.76	0.01	2662 (m)	57.0	19.6	0.0	54.6

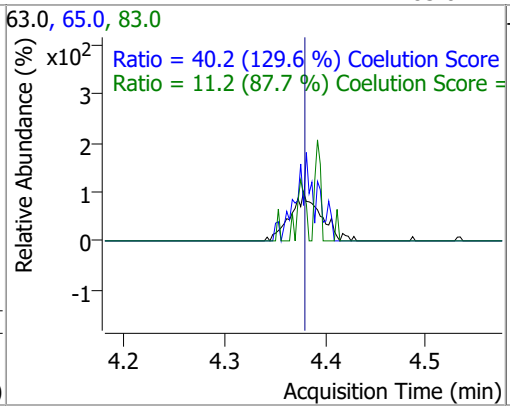


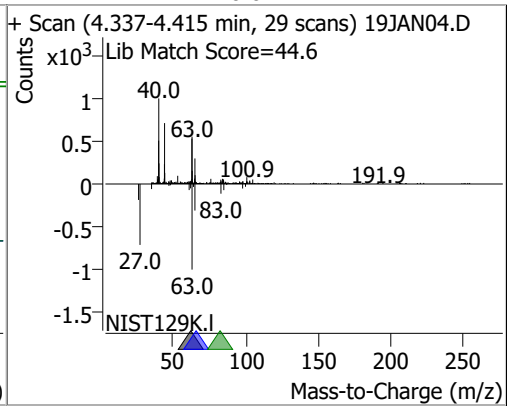




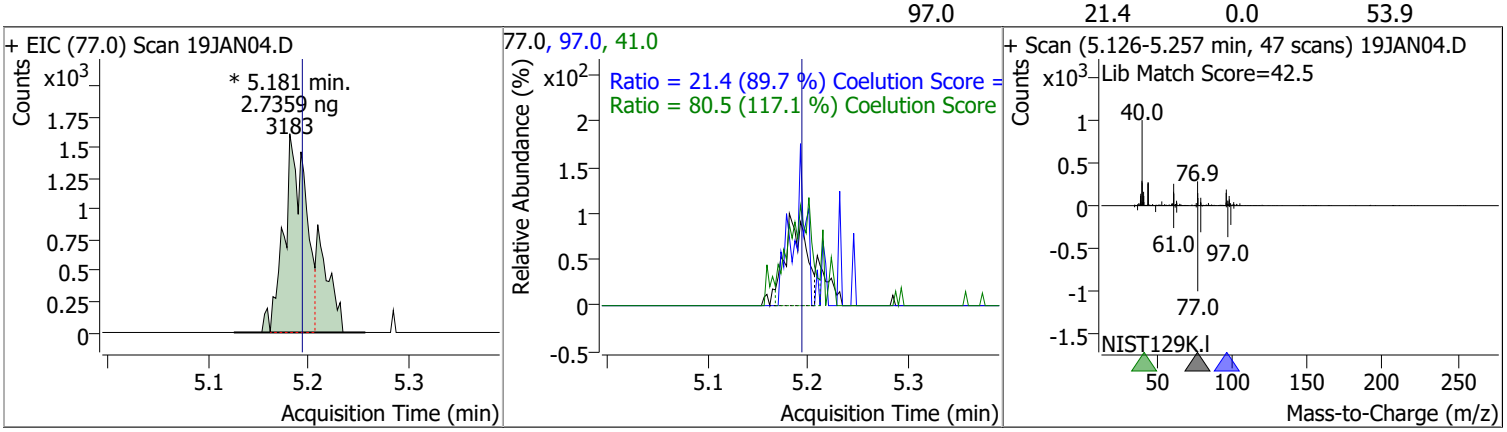
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	2.6757	4.38	0.00	4131	65.0	40.2	1.0	61.0
					83.0	11.2	0.0	42.7



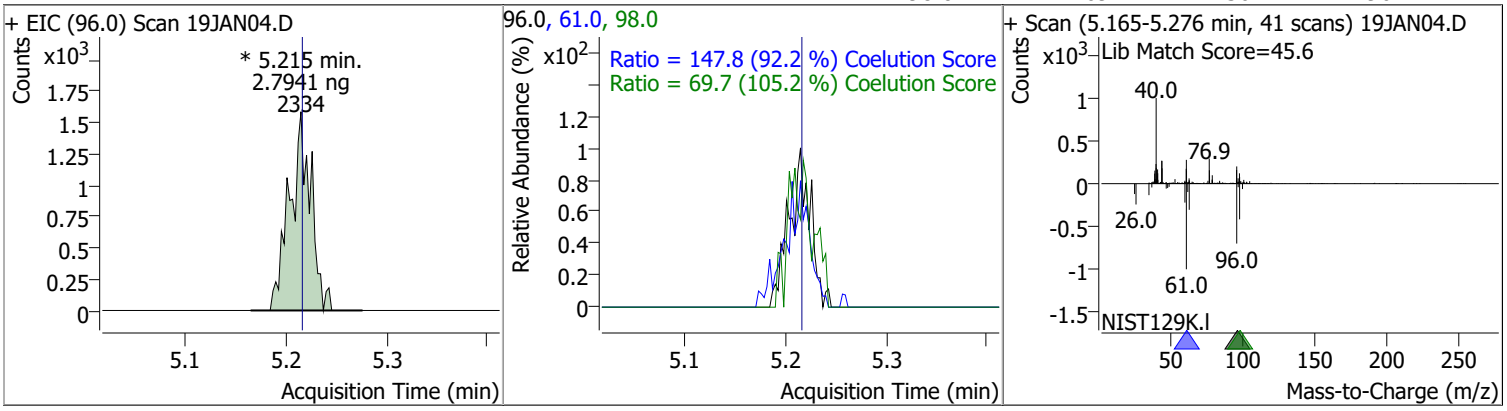




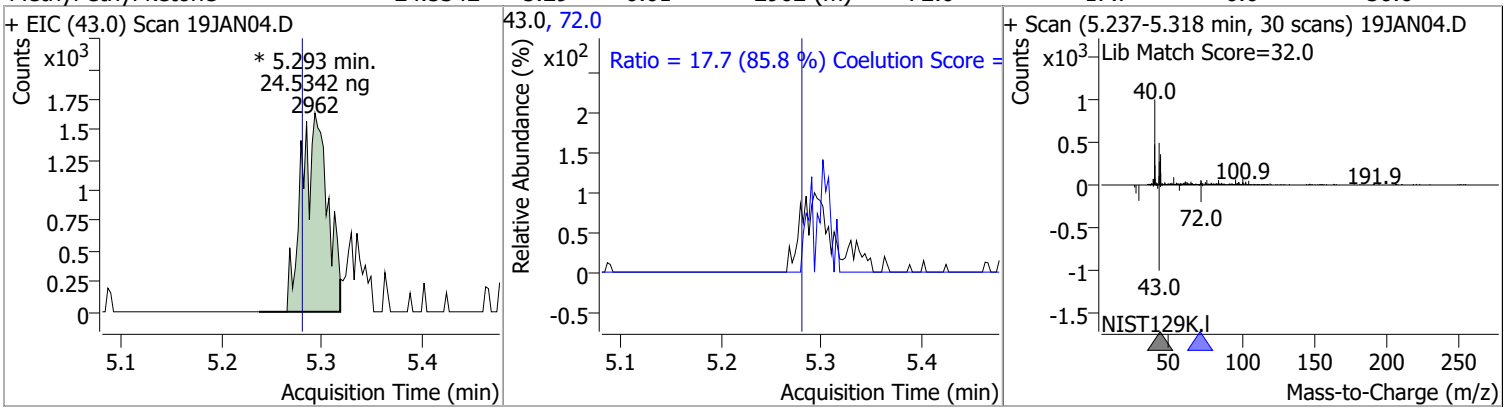
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	2.7359	5.18	-0.01	3183 (m)	41.0	80.5	38.8	98.8
					97.0	21.4	0.0	53.9



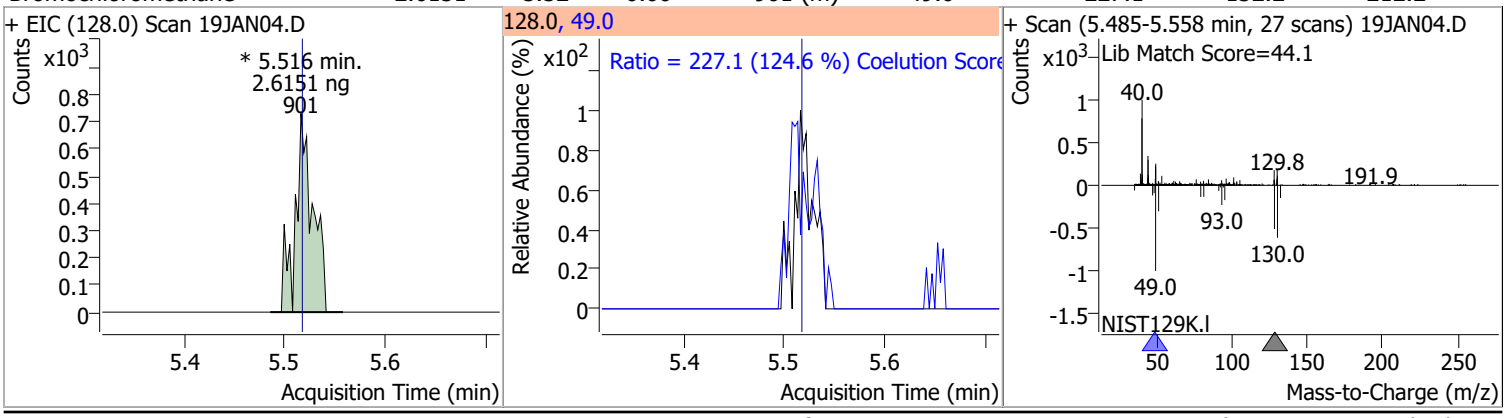
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	2.7941	5.21	0.00	2334 (m)	61.0	147.8	130.4	190.4
					98.0	69.7	36.2	96.2



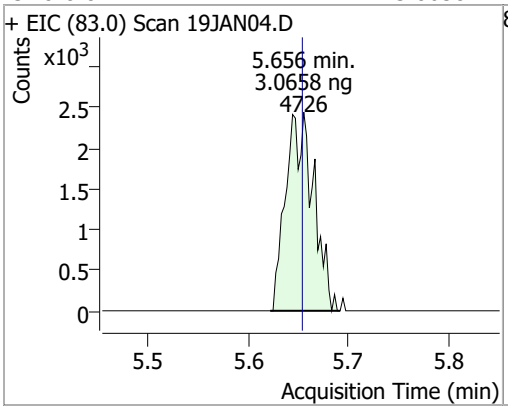
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	24.5342	5.29	0.01	2962 (m)	72.0	17.7	0.0	50.6

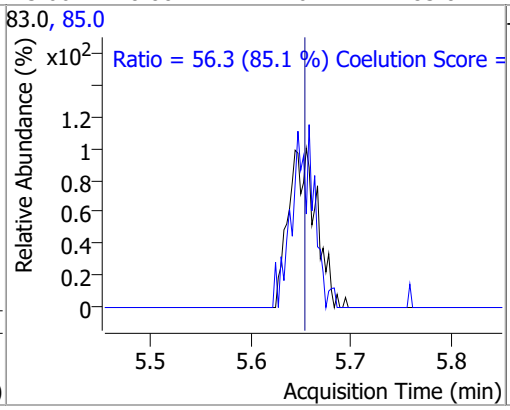


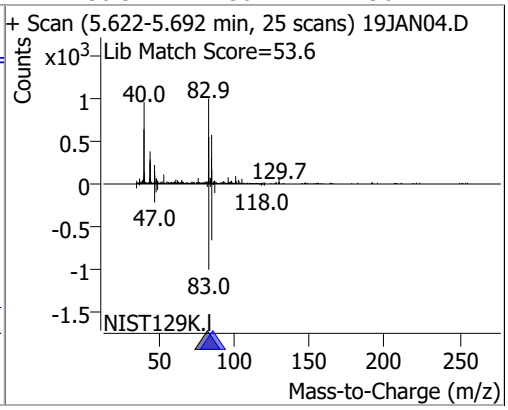
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	2.6151	5.52	0.00	901 (m)	49.0	227.1	152.2	212.2



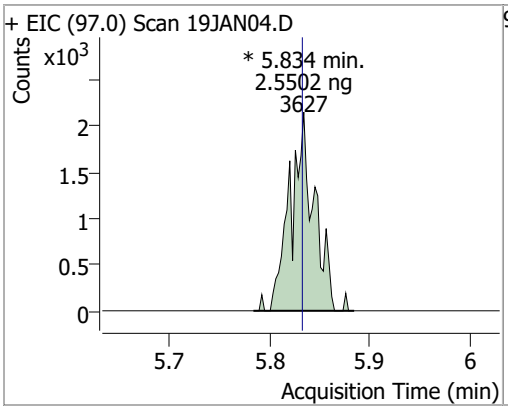
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	3.0658	5.66	0.00	4726	85.0	56.3	36.2	96.2

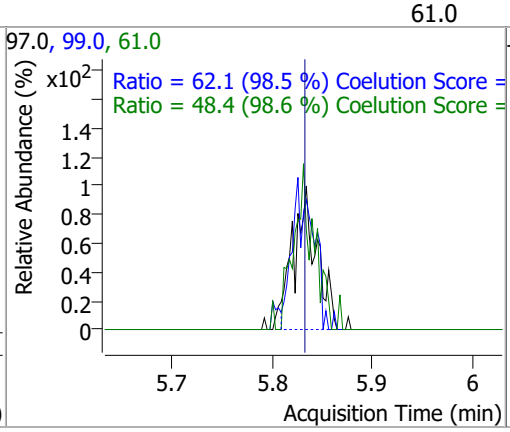


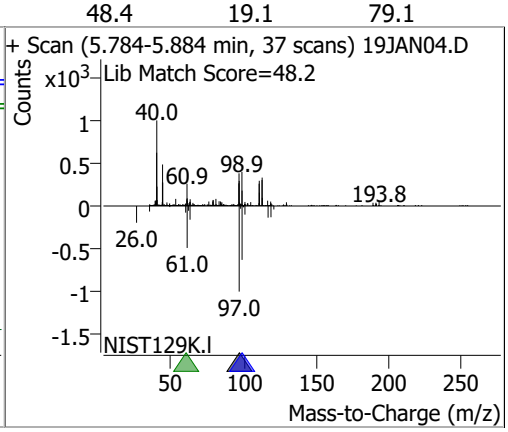




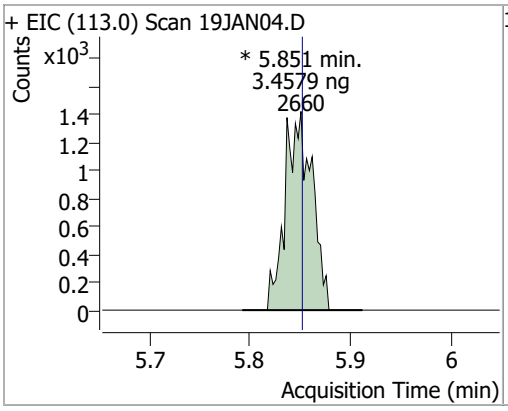
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	2.5502	5.83	0.00	3627 (m)	99.0	62.1	33.1	93.1
					61.0	48.4	19.1	79.1

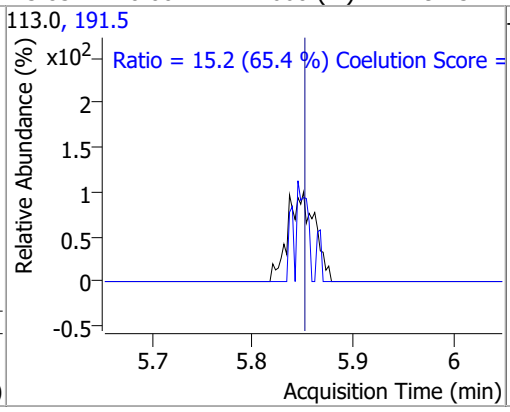


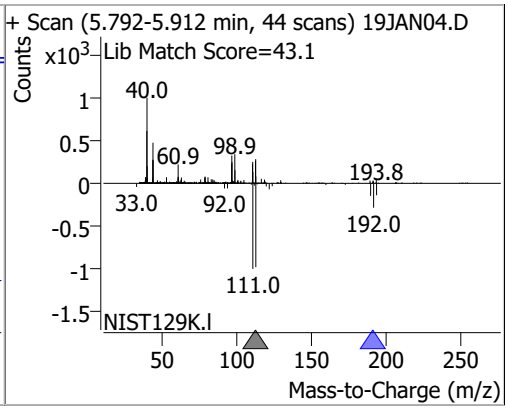




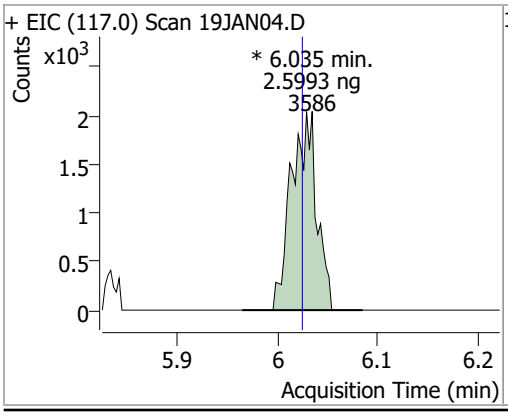
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	3.4579	5.85	0.00	2660 (m)	191.5	15.2	0.0	53.2

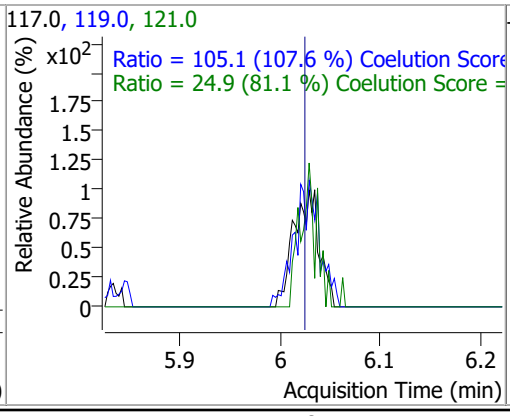


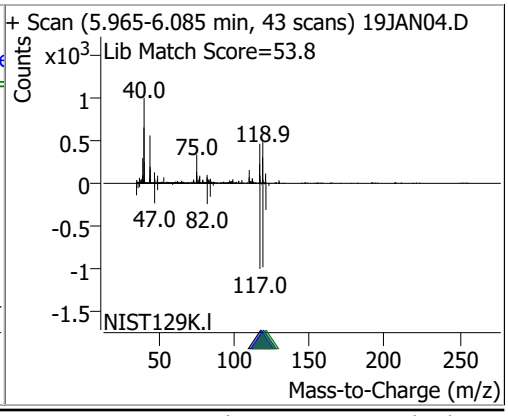




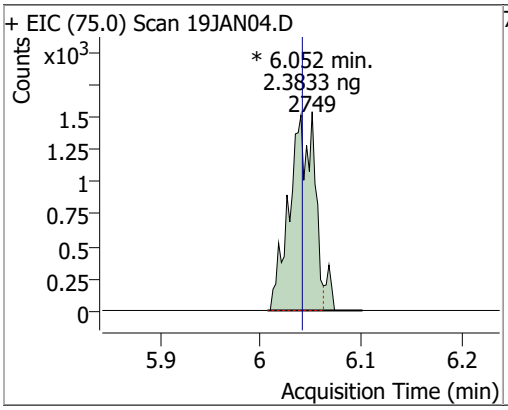
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	2.5993	6.03	0.01	3586 (m)	119.0	105.1	67.6	127.6
					121.0	24.9	0.7	60.7

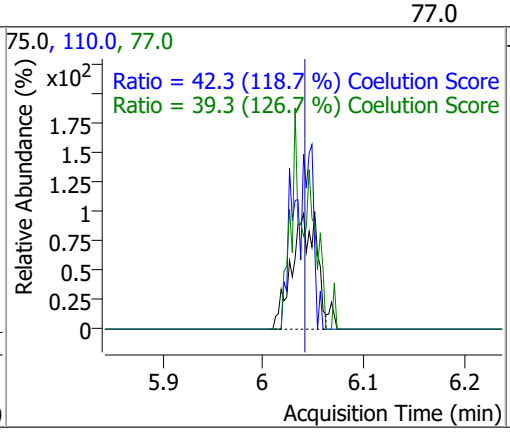


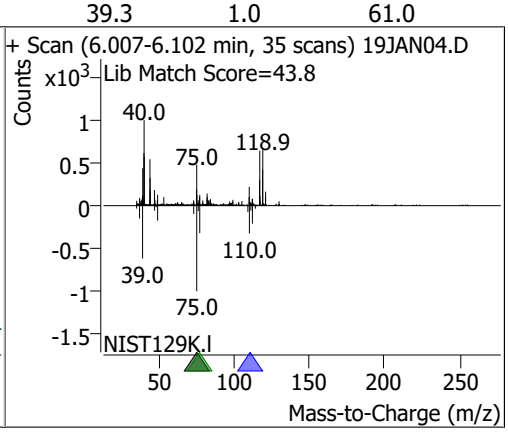




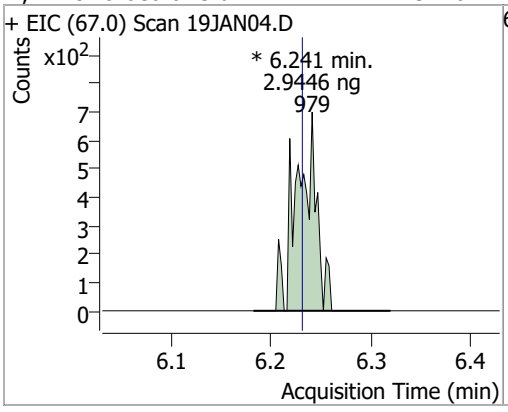
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	2.3833	6.05	0.01	2749 (m)	110.0	42.3	5.6	65.6
					77.0	39.3	1.0	61.0

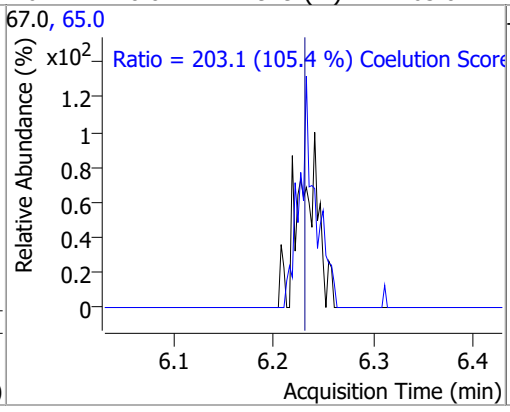


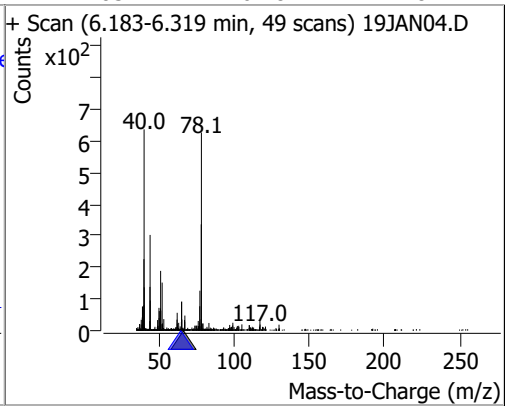




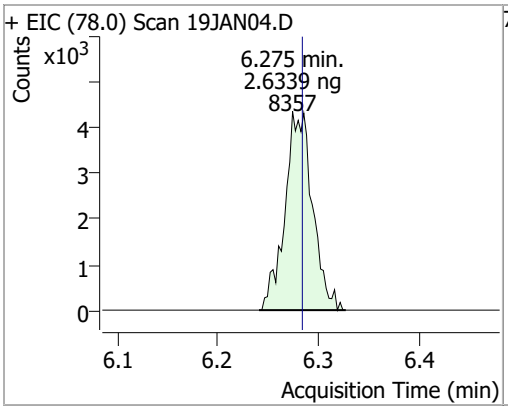
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	2.9446	6.24	0.01	979 (m)	65.0	203.1	162.8	222.8

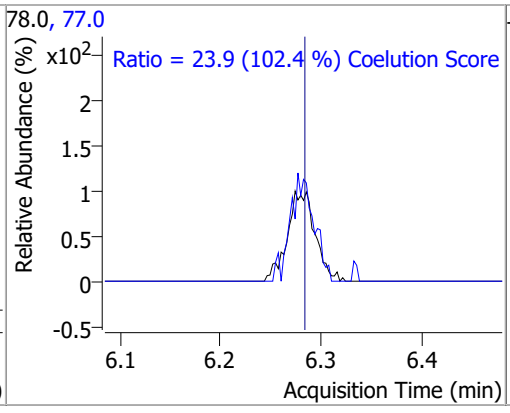


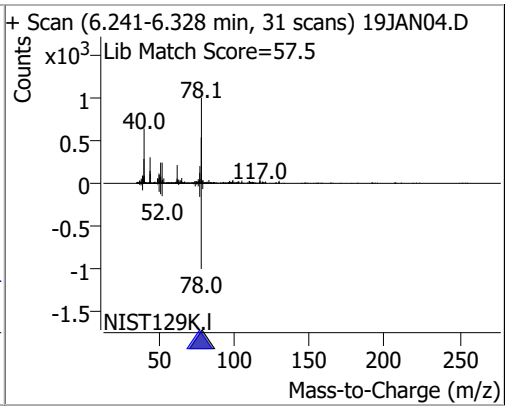




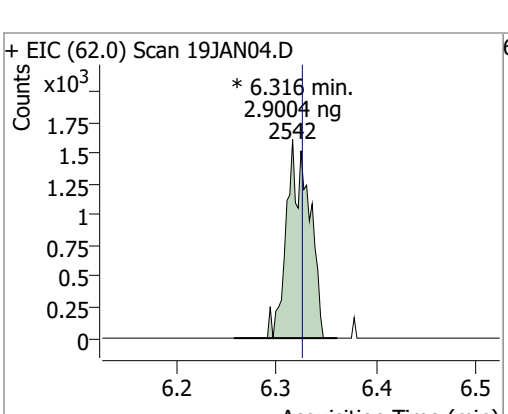
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	2.6339	6.27	-0.01	8357	77.0	23.9	0.0	53.3

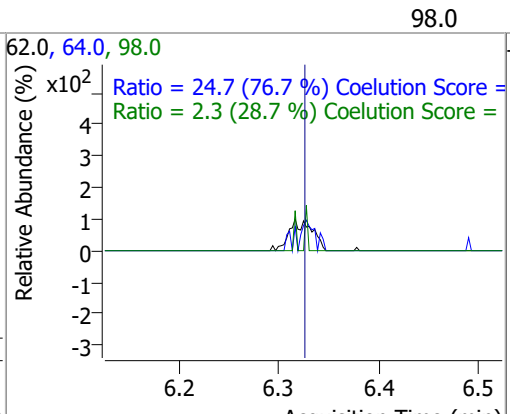


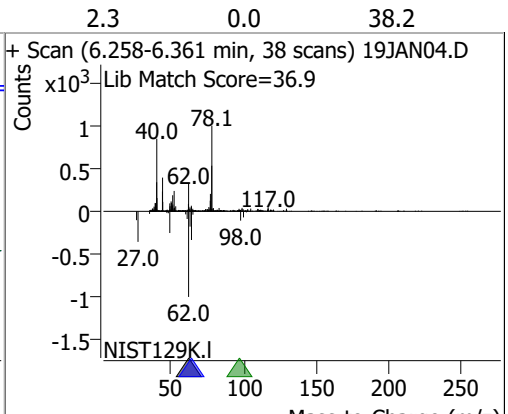




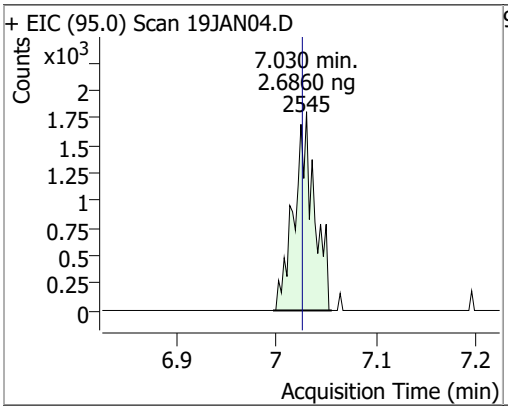
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	2.9004	6.32	-0.01	2542 (m)	64.0	24.7	2.2	62.2
					98.0	2.3	0.0	38.2

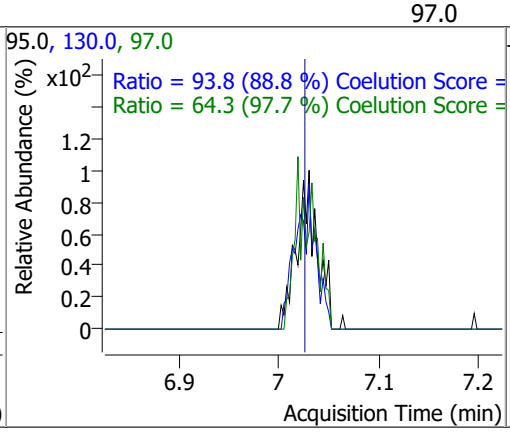


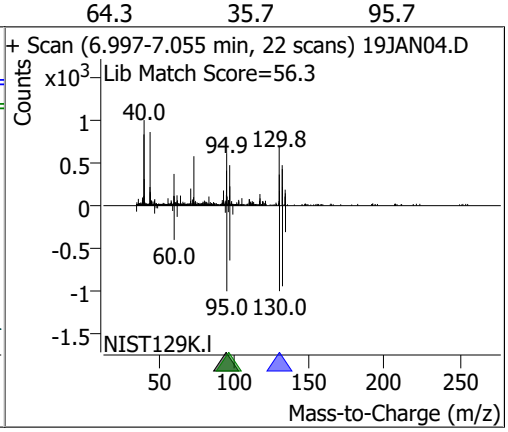




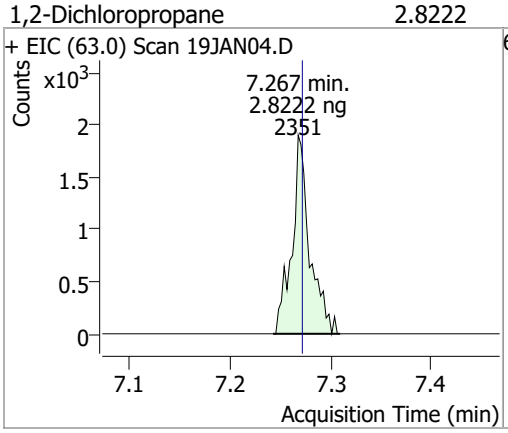
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	2.6860	7.03	0.01	2545	130.0	93.8	75.6	135.6
					97.0	64.3	35.7	95.7

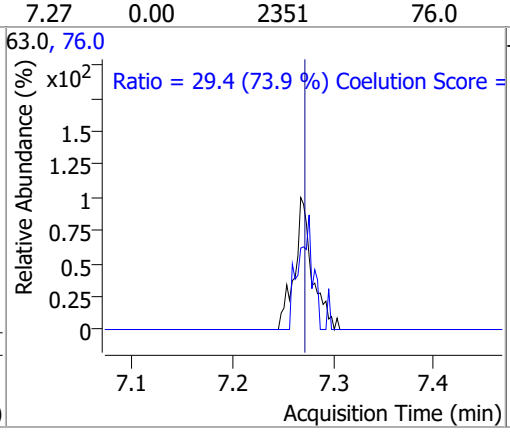


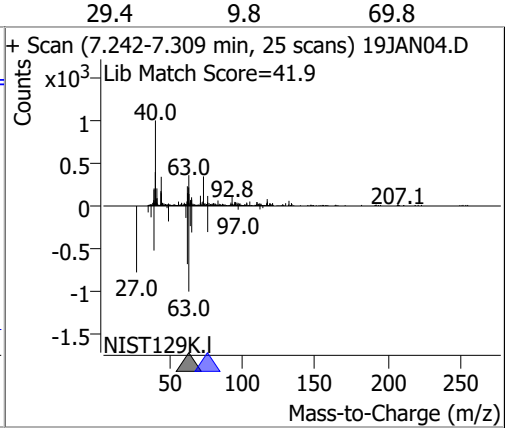




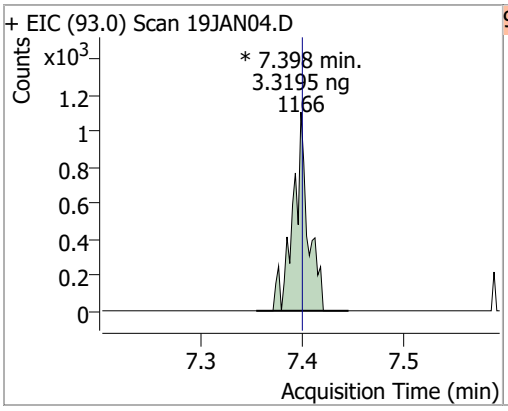
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	2.8222	7.27	0.00	2351	76.0	29.4	9.8	69.8

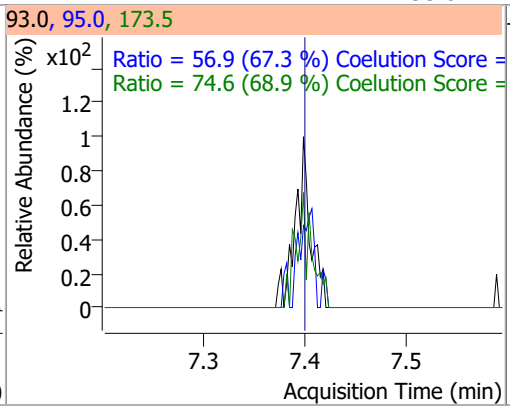


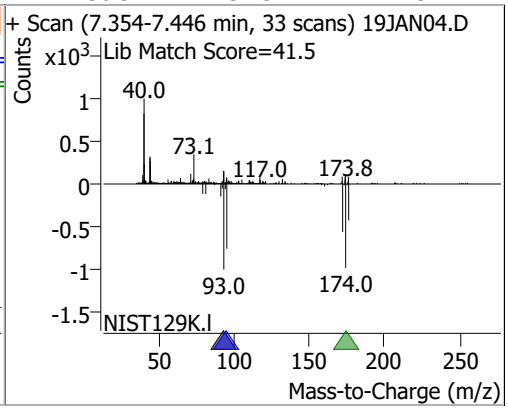




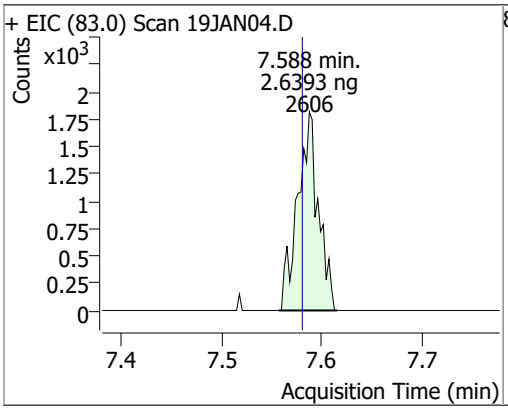
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	3.3195	7.40	0.00	1166 (m)	173.5	74.6	78.2	138.2
					95.0	56.9	54.5	114.5

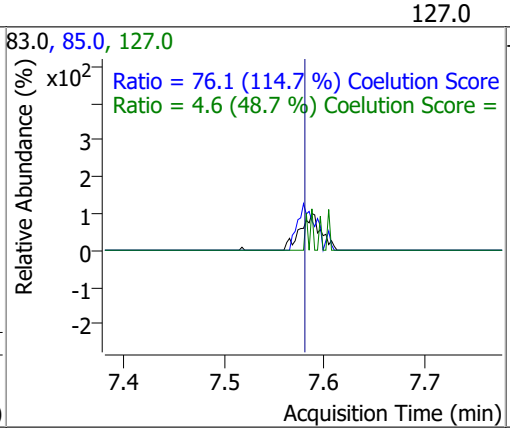


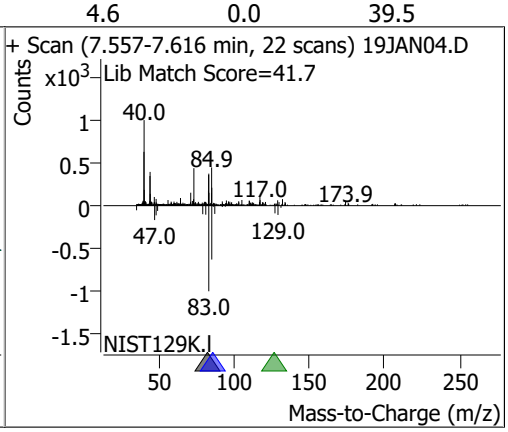




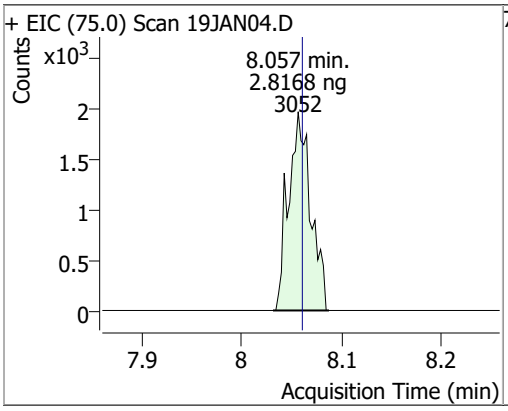
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	2.6393	7.59	0.01	2606	85.0	76.1	36.3	96.3
					127.0	4.6	0.0	39.5

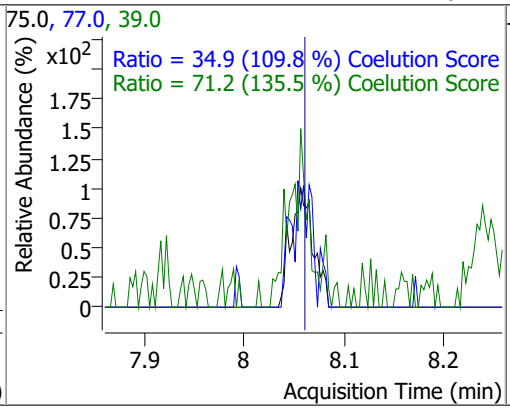


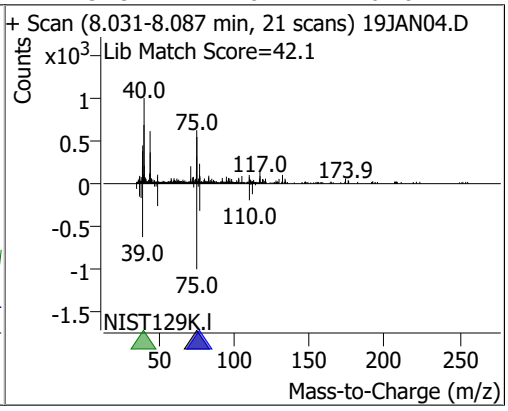




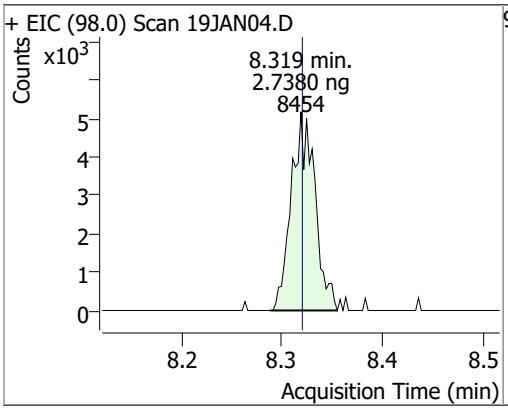
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	2.8168	8.06	0.00	3052	39.0	71.2	22.5	82.5
					77.0	34.9	1.8	61.8

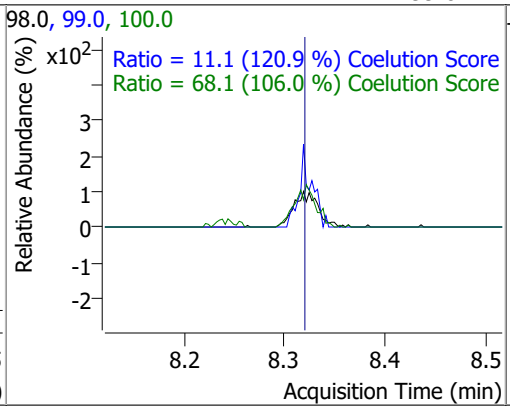


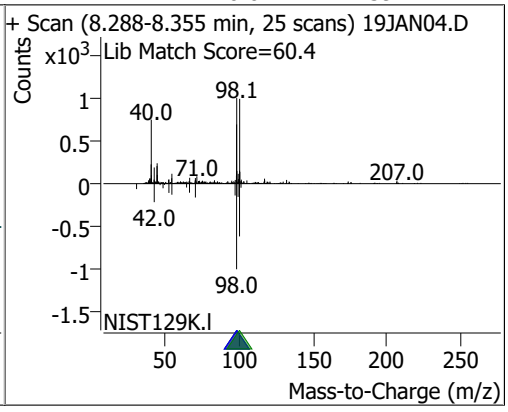




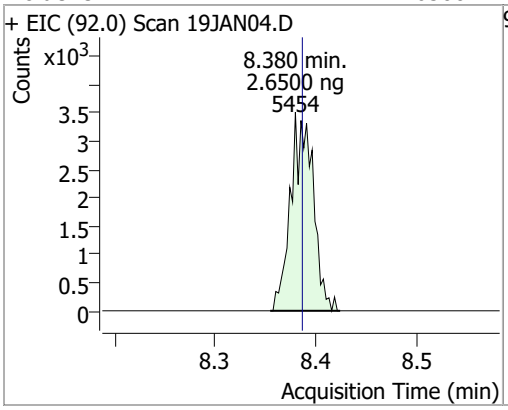
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	2.7380	8.32	0.00	8454	100.0	68.1	34.3	94.3
					99.0	11.1	0.0	39.2

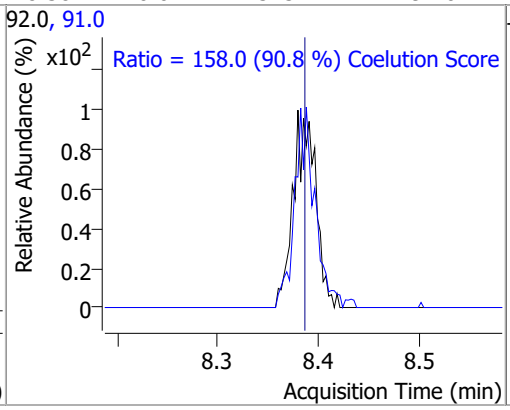


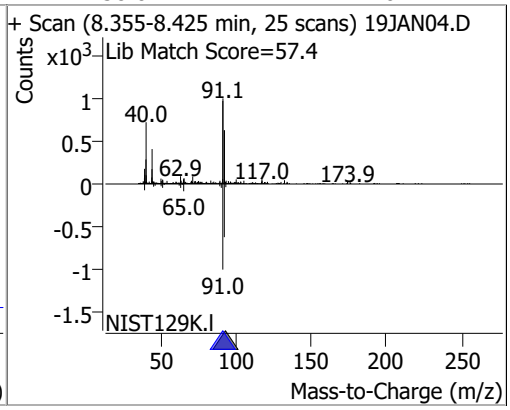




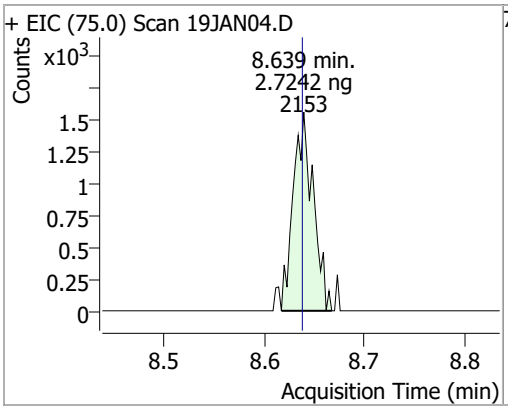
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	2.6500	8.38	-0.01	5454	91.0	158.0	144.1	204.1

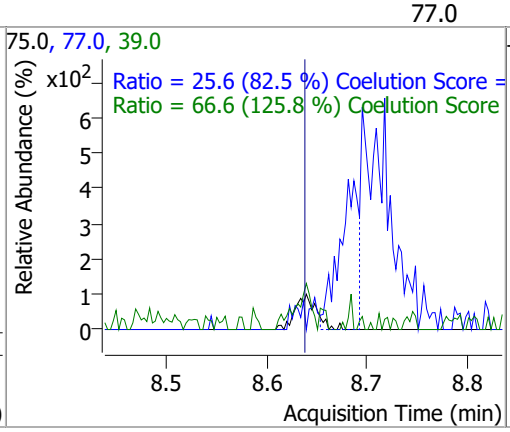


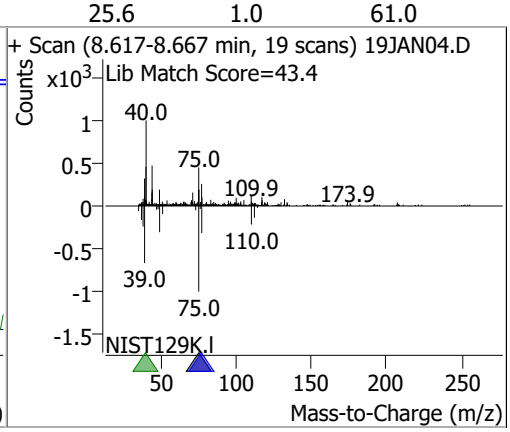




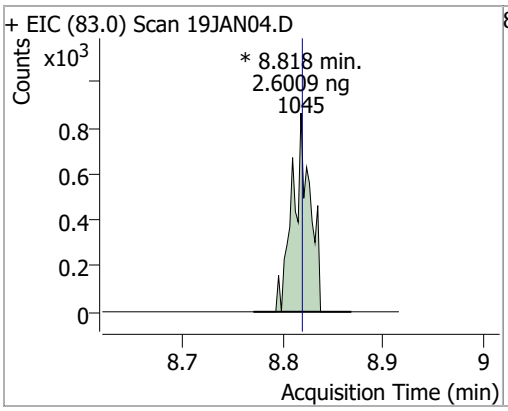
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	2.7242	8.64	0.00	2153	39.0	66.6	23.0	83.0
					77.0	25.6	1.0	61.0

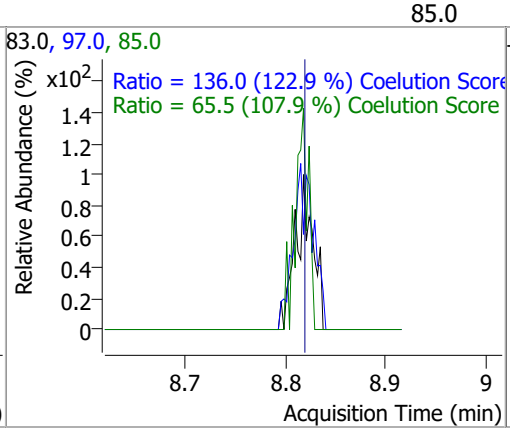


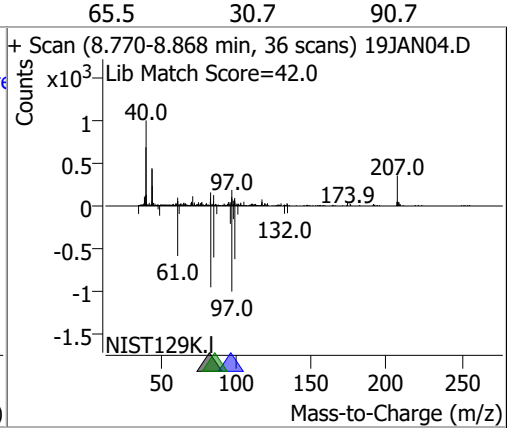




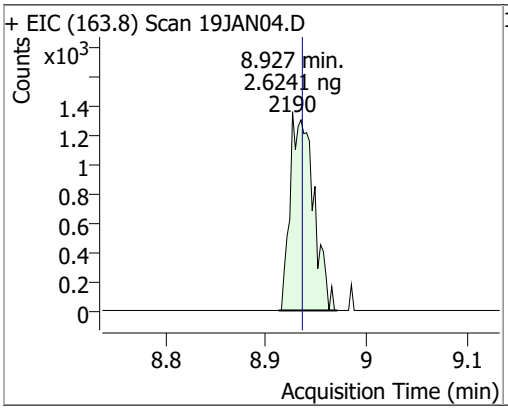
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	2.6009	8.82	0.00	1045 (m)	97.0	136.0	80.7	140.7
					85.0	65.5	30.7	90.7

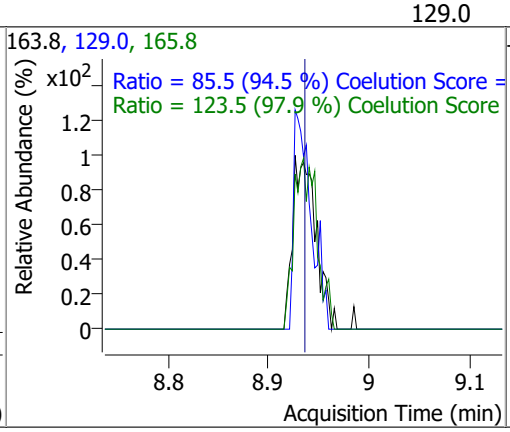


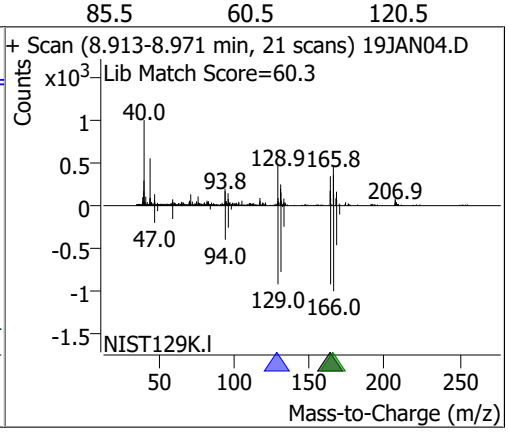




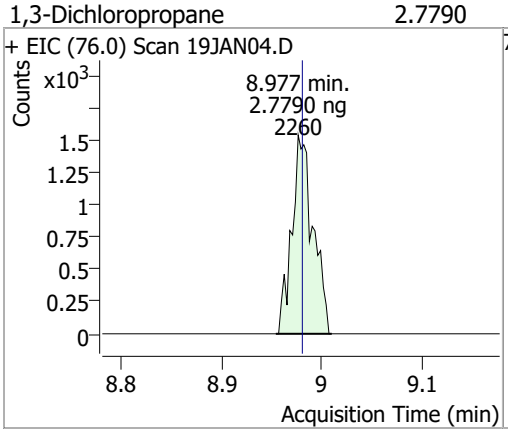
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	2.6241	8.93	-0.01	2190	165.8	123.5	96.1	156.1
					129.0	85.5	60.5	120.5

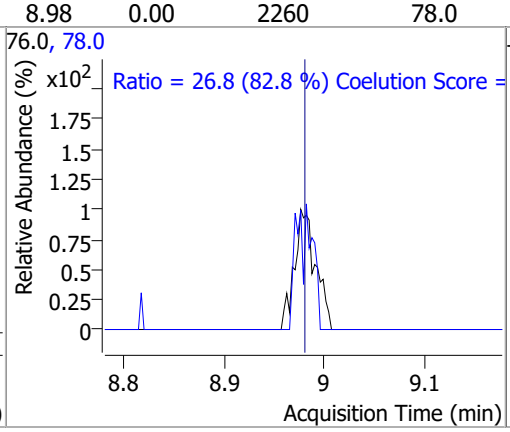


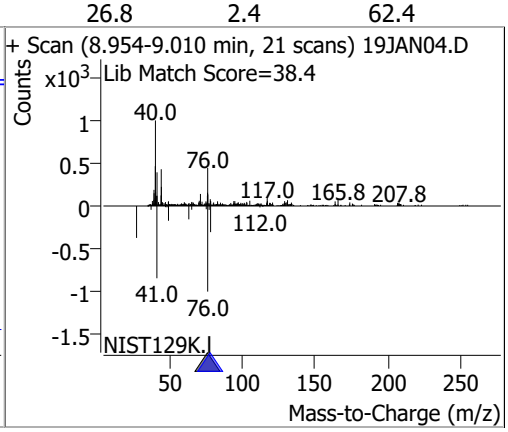




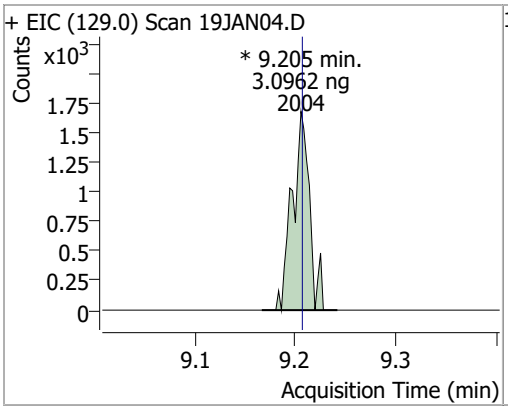
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	2.7790	8.98	0.00	2260	78.0	26.8	2.4	62.4

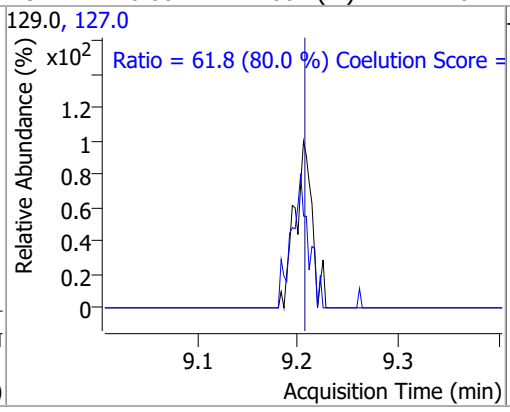


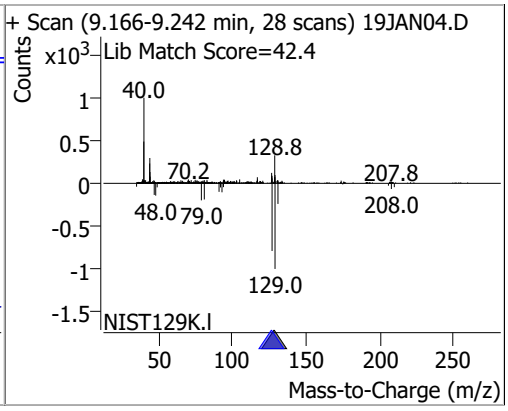




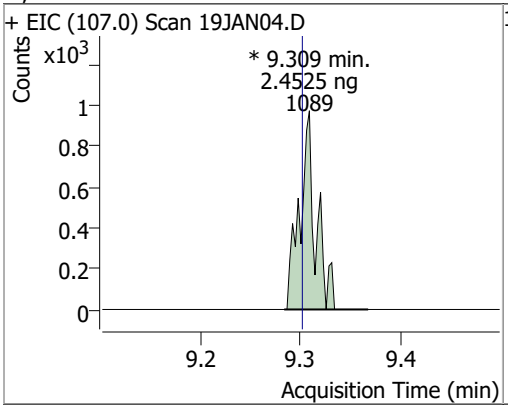
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	3.0962	9.21	0.00	2004 (m)	127.0	61.8	47.2	107.2

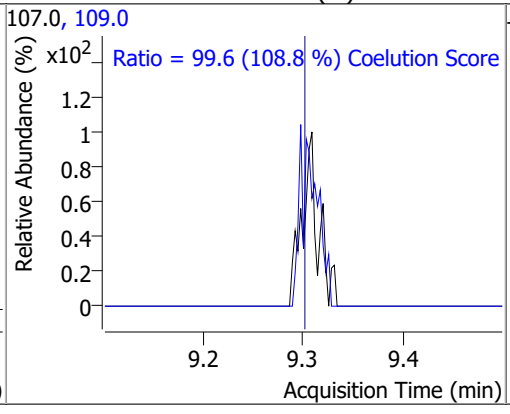


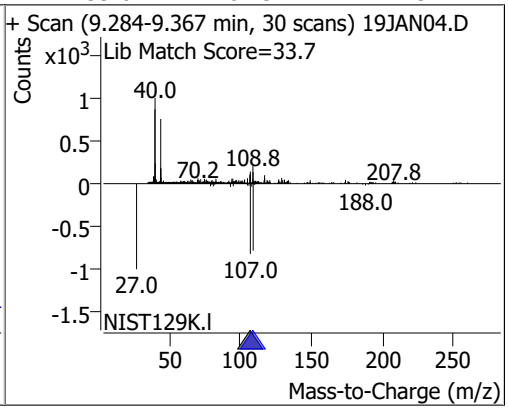




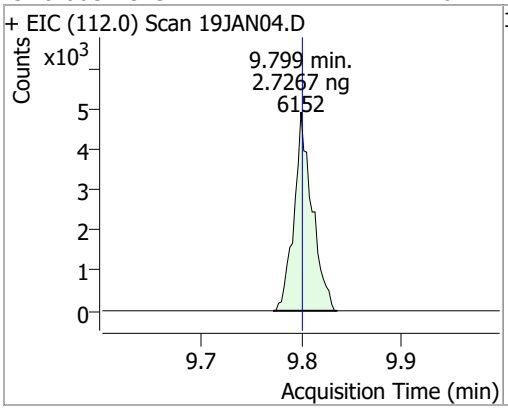
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	2.4525	9.31	0.01	1089 (m)	109.0	99.6	61.5	121.5

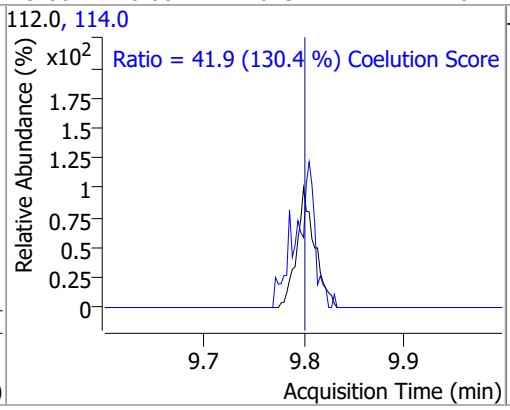


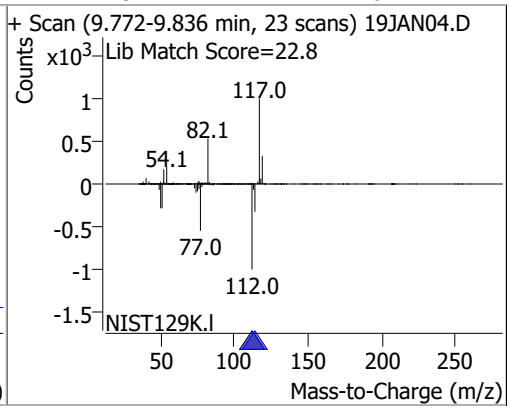




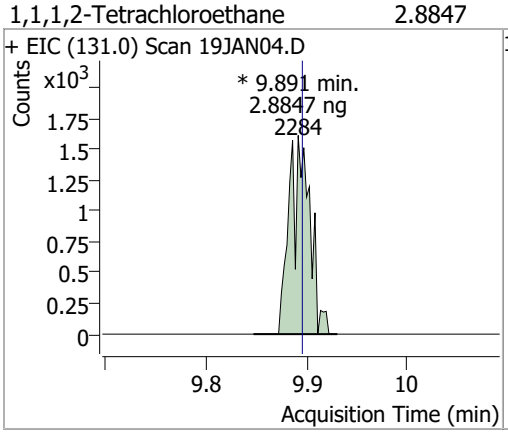
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	2.7267	9.80	0.00	6152	114.0	41.9	2.2	62.2

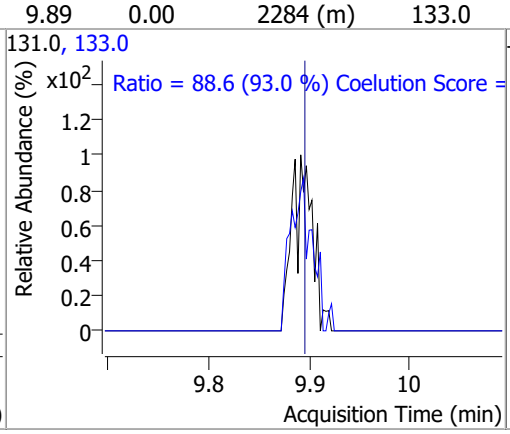


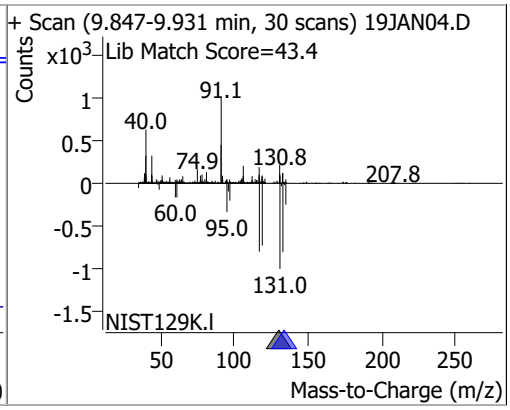




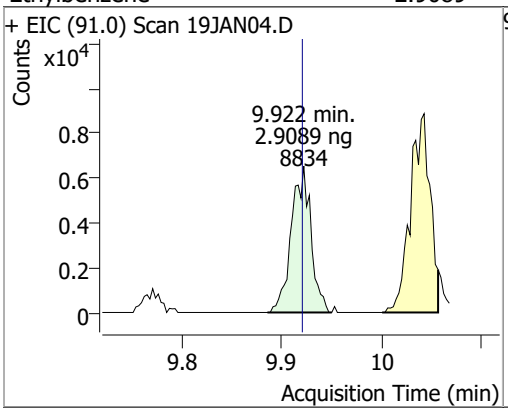
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	2.8847	9.89	0.00	2284 (m)	133.0	88.6	65.3	125.3

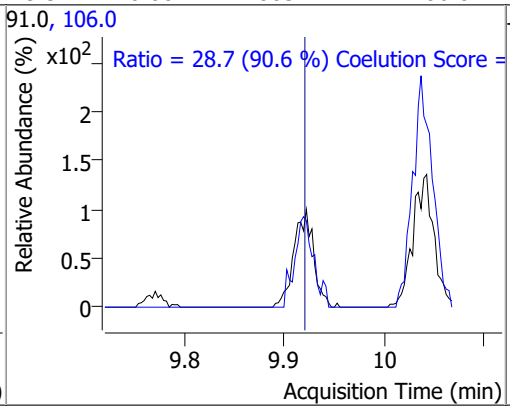


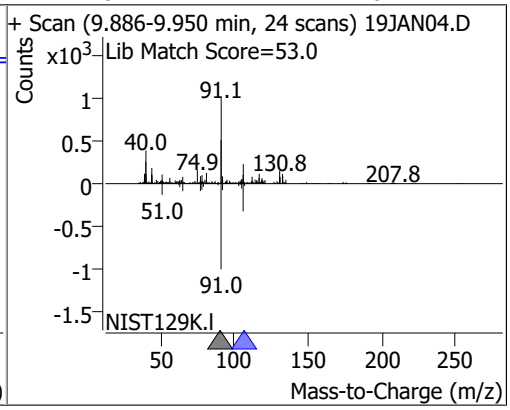




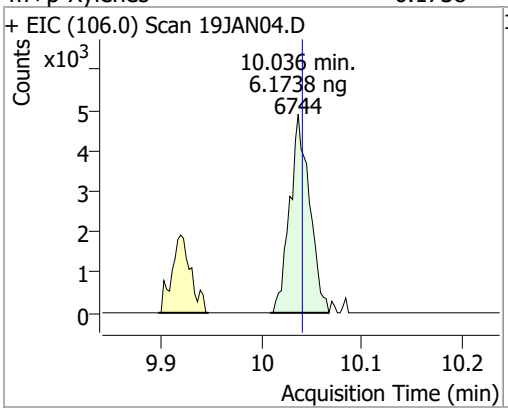
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	2.9089	9.92	0.00	8834	106.0	28.7	1.7	61.7

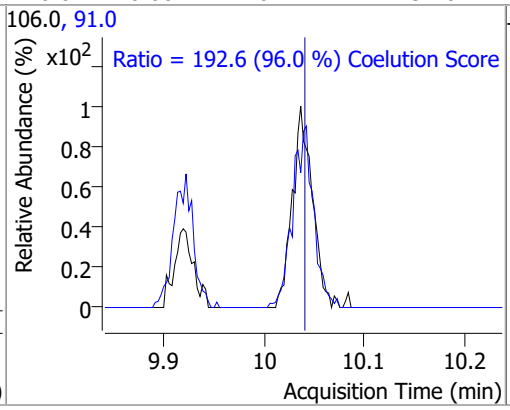


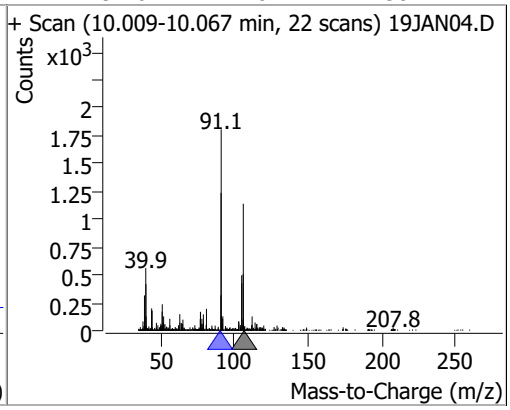




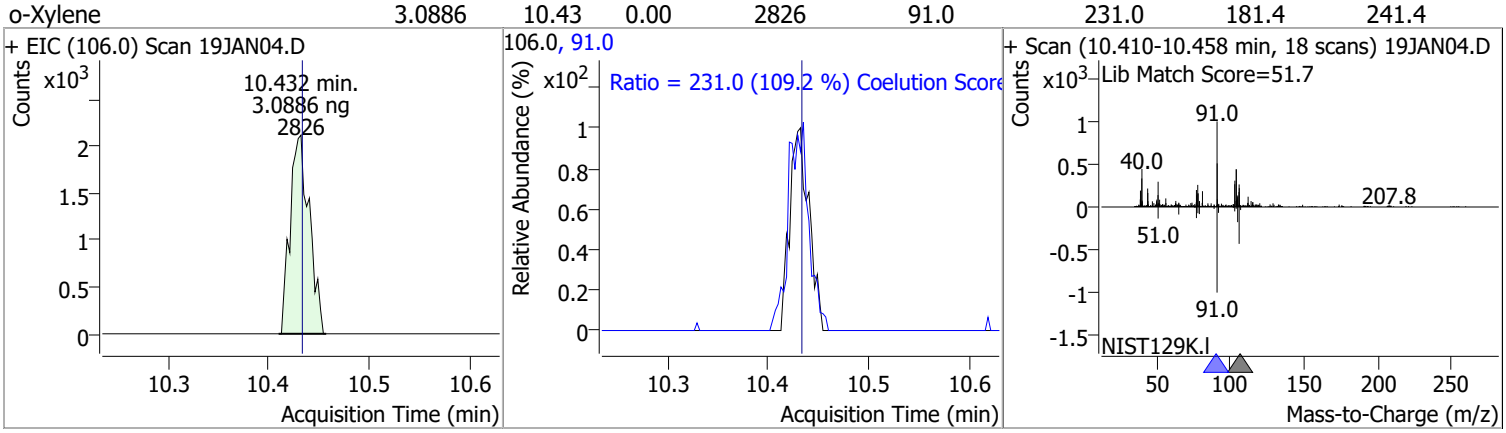
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	6.1738	10.04	0.00	6744	91.0	192.6	170.7	230.7



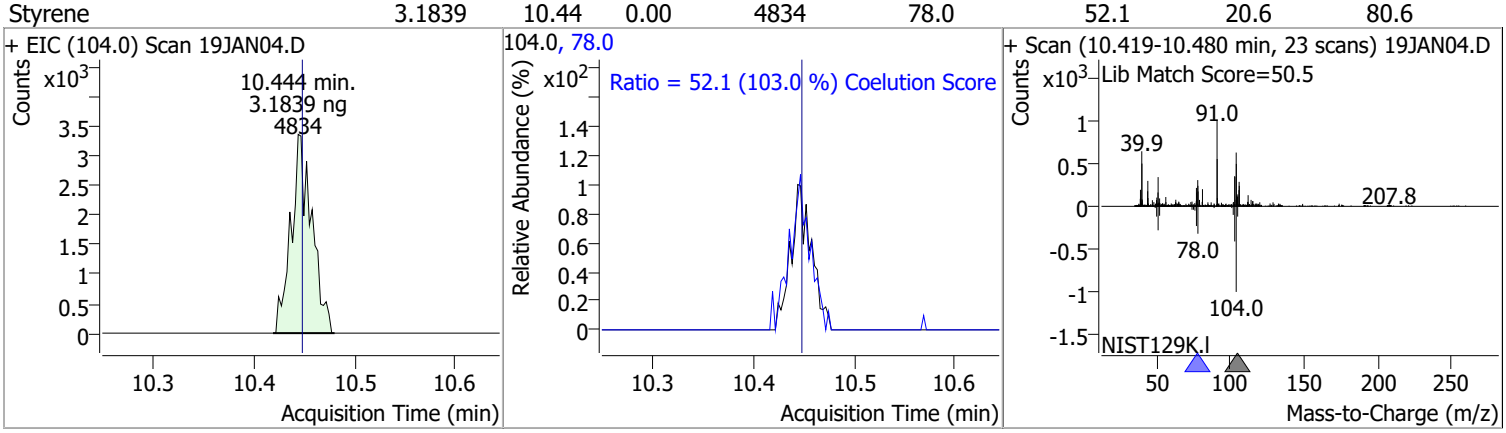




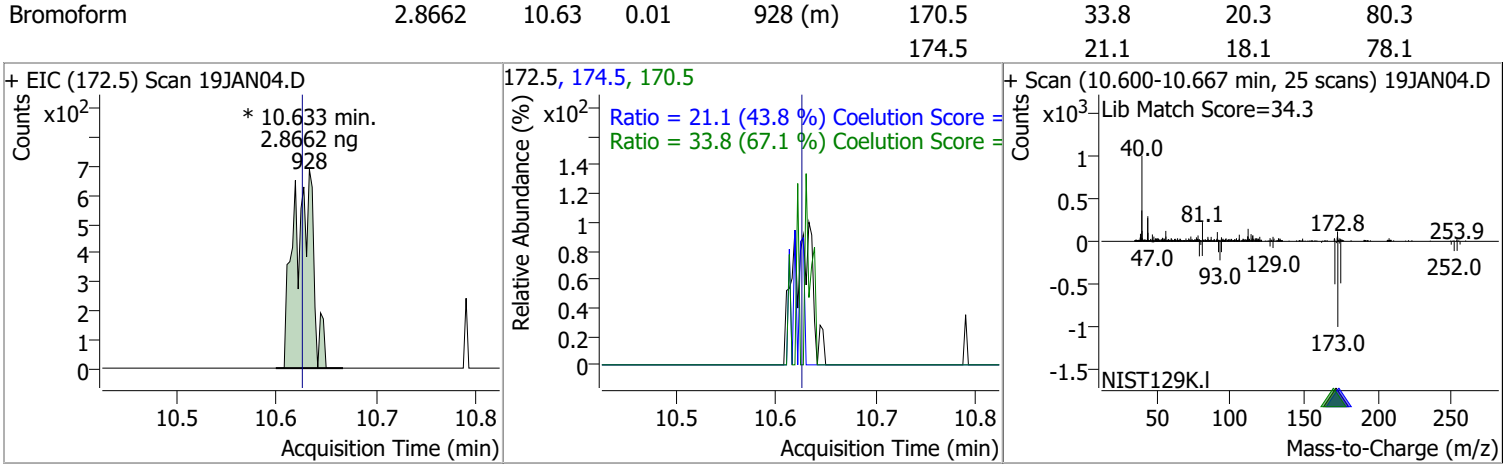
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	3.0886	10.43	0.00	2826	91.0	231.0	181.4	241.4



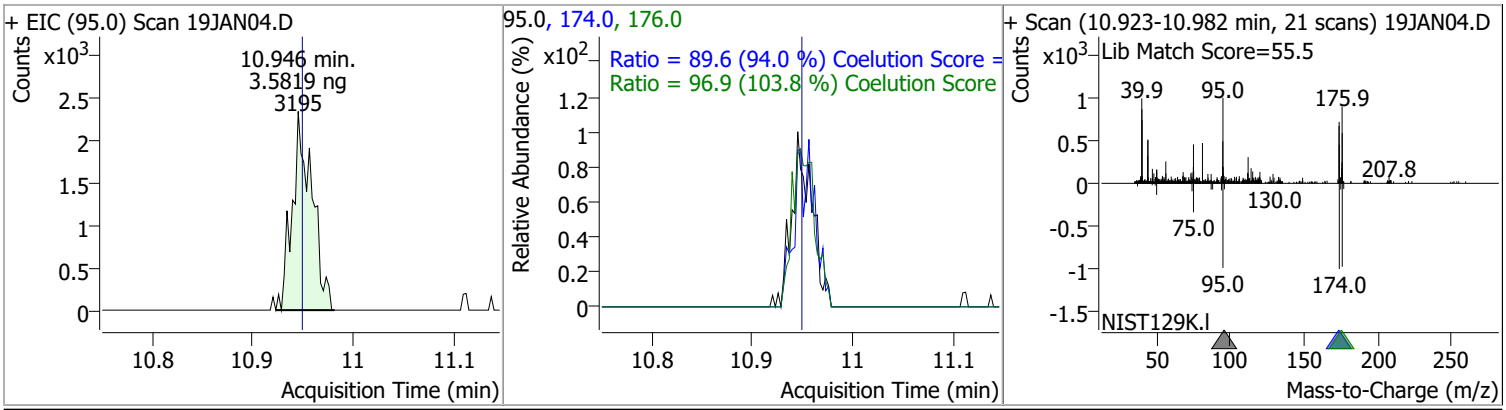
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	3.1839	10.44	0.00	4834	78.0	52.1	20.6	80.6



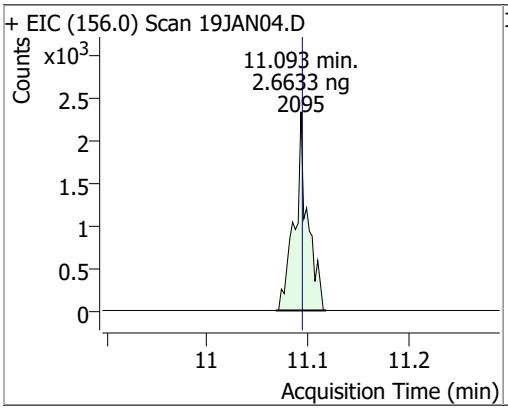
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	2.8662	10.63	0.01	928 (m)	170.5	33.8	20.3	80.3
					174.5	21.1	18.1	78.1

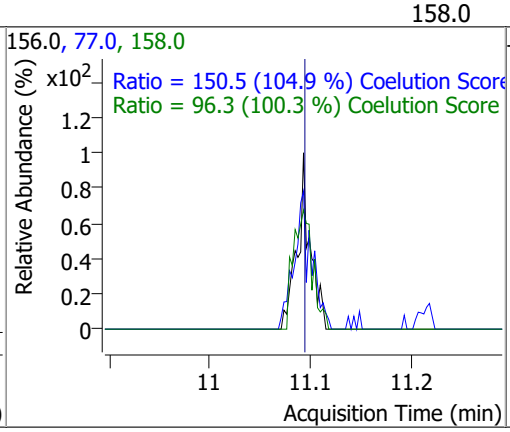


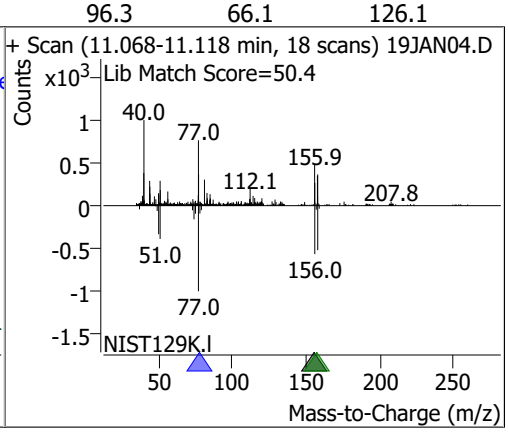
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	3.5819	10.95	0.00	3195	174.0	89.6	65.3	125.3
					176.0	96.9	63.3	123.3



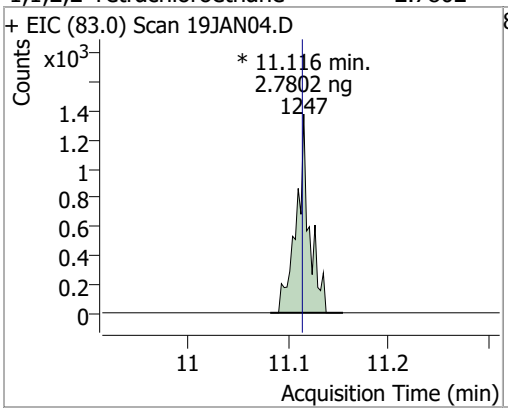
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	2.6633	11.09	0.00	2095	77.0	150.5	113.5	173.5
					158.0	96.3	66.1	126.1

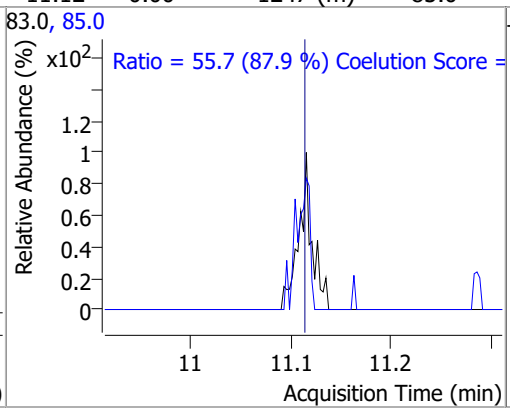


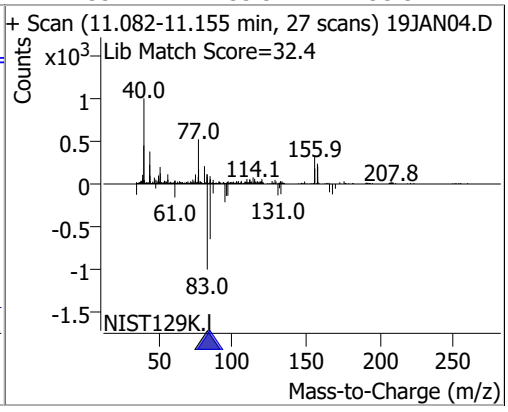




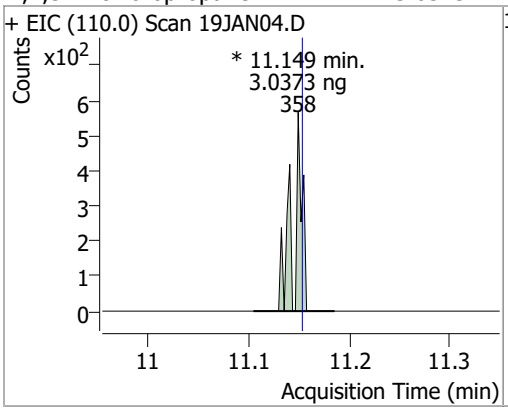
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	2.7802	11.12	0.00	1247 (m)	85.0	55.7	33.3	93.3

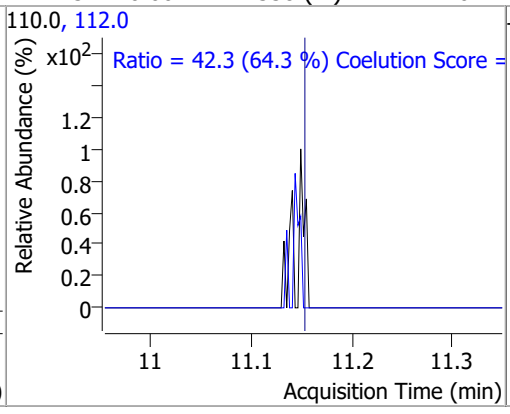


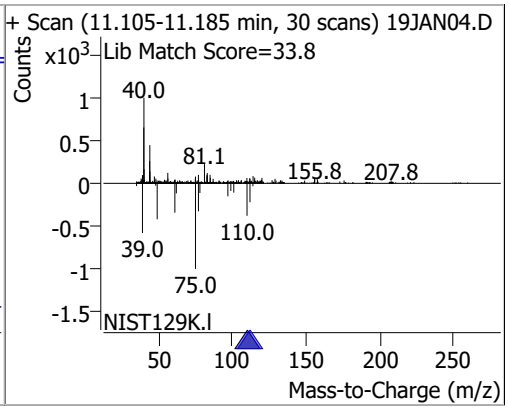




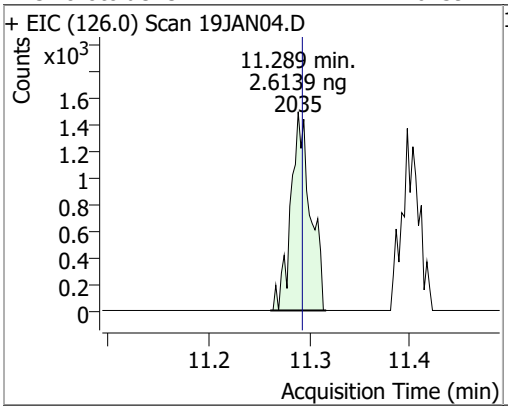
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	3.0373	11.15	0.00	358 (m)	112.0	42.3	35.8	95.8

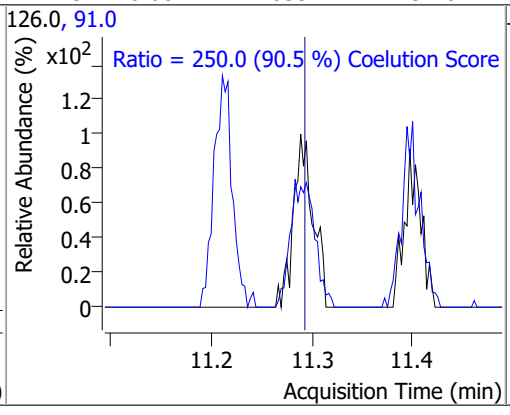


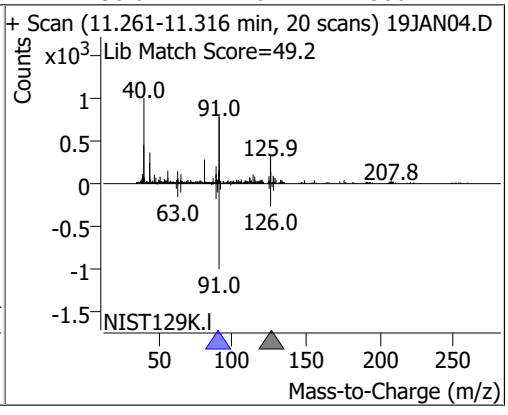




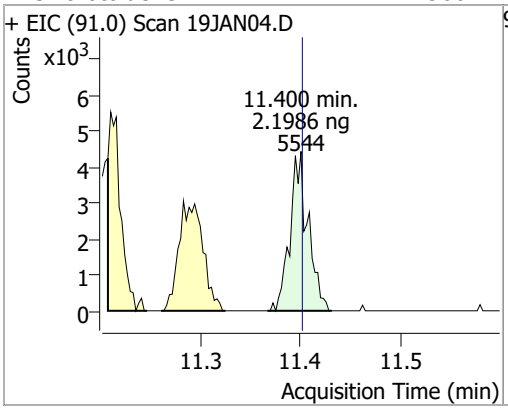
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	2.6139	11.29	0.00	2035	91.0	250.0	246.2	306.2

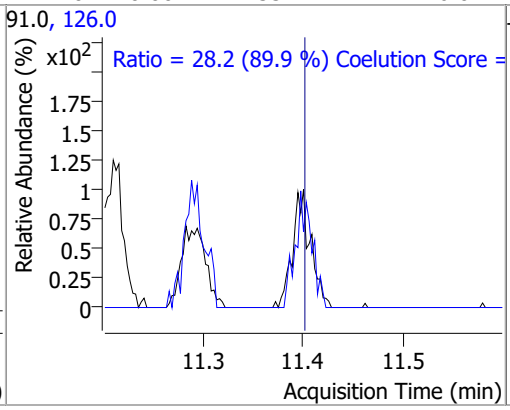


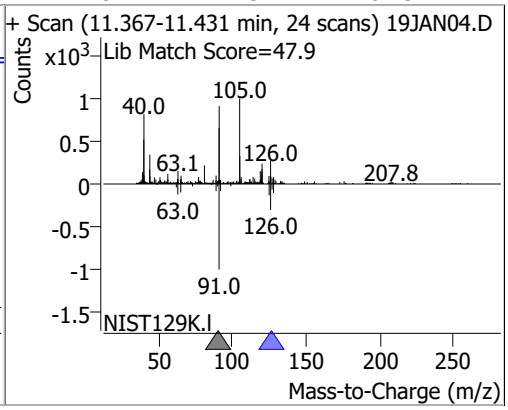




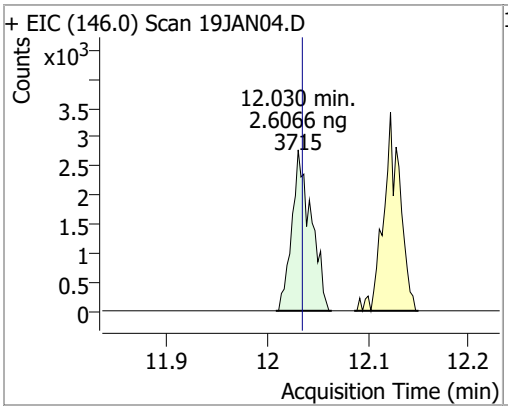
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	2.1986	11.40	0.00	5544	126.0	28.2	1.3	61.3

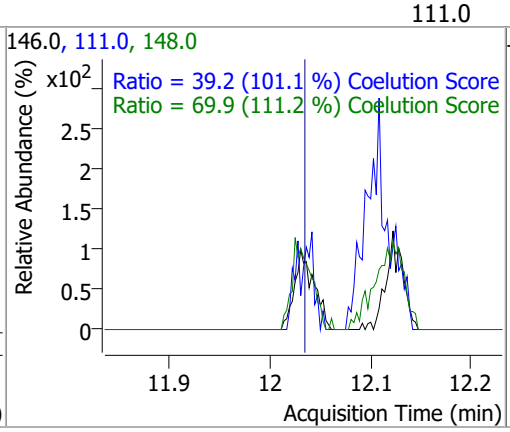


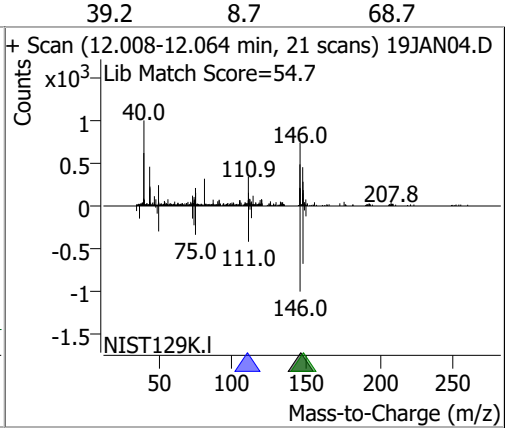




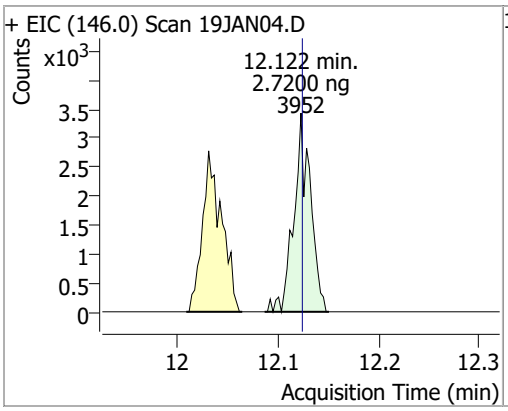
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	2.6066	12.03	0.00	3715	148.0	69.9	32.8	92.8
					111.0	39.2	8.7	68.7

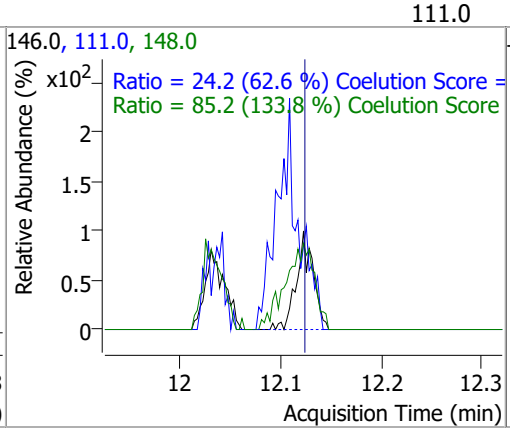


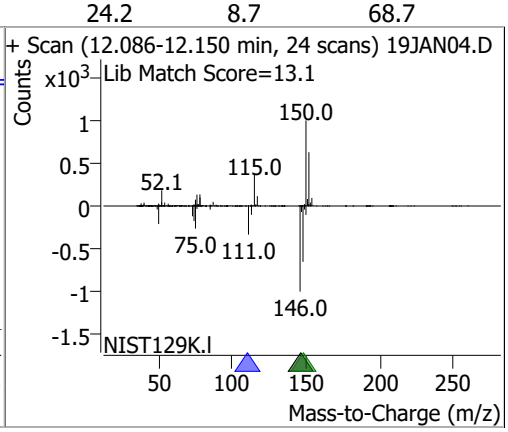




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	2.7200	12.12	0.00	3952	148.0	85.2	33.7	93.7
					111.0	24.2	8.7	68.7

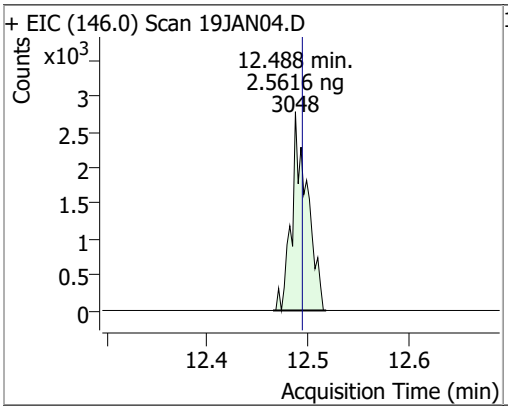


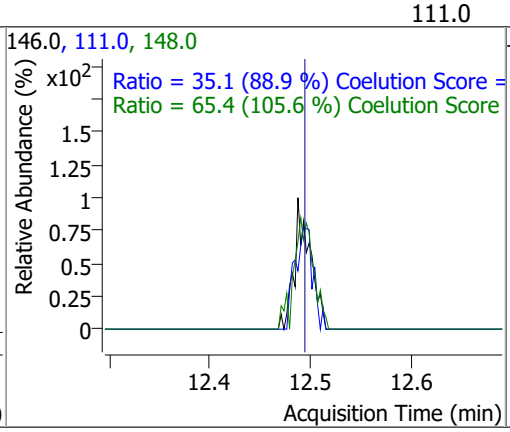


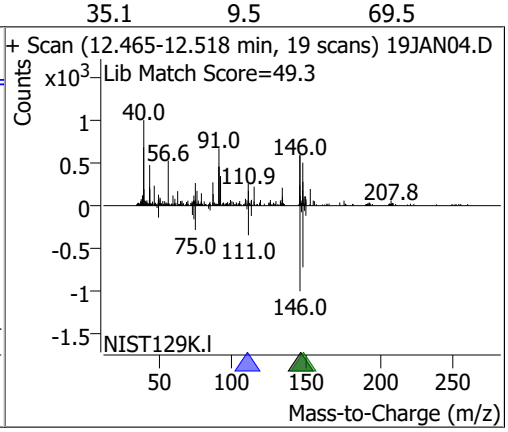


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	2.5616	12.49	-0.01	3048	148.0	65.4	31.9	91.9
					111.0	35.1	9.5	69.5







Quantitation Results Report (QT Reviewed)

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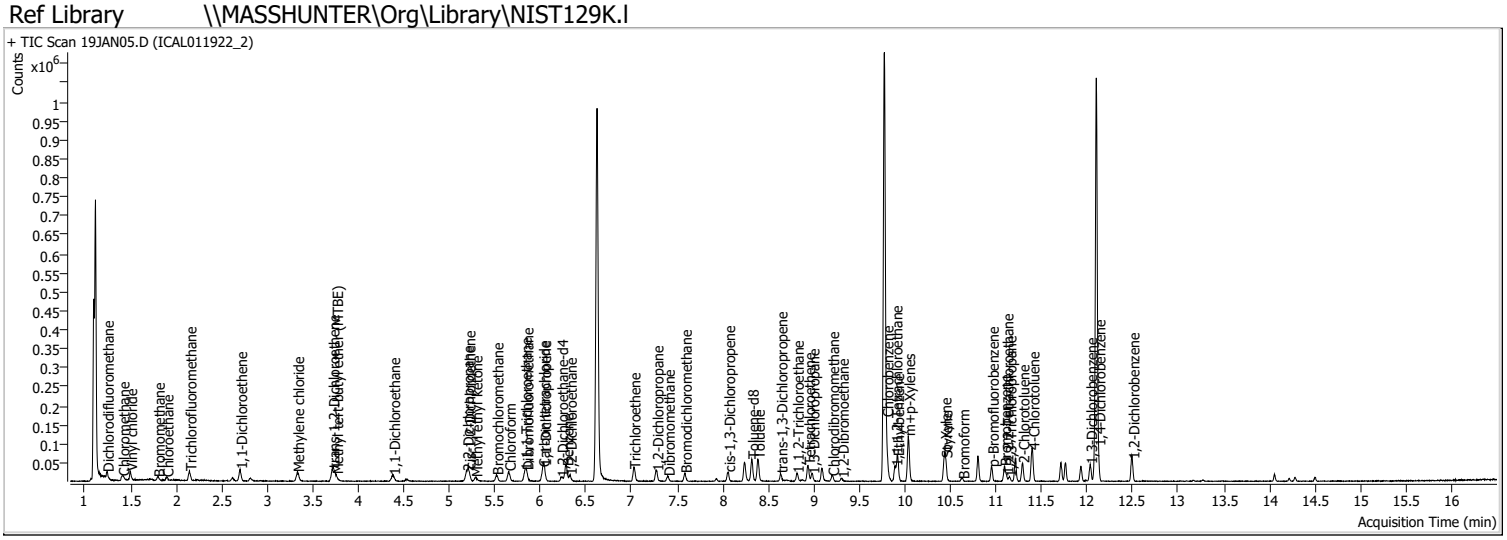
Sample Name	ICAL011922_2	Instrument	VOA5975C
Vial	5	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG011922_8260B.batch.bin	Last Calib Update	1/20/2022 9:28:12 AM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

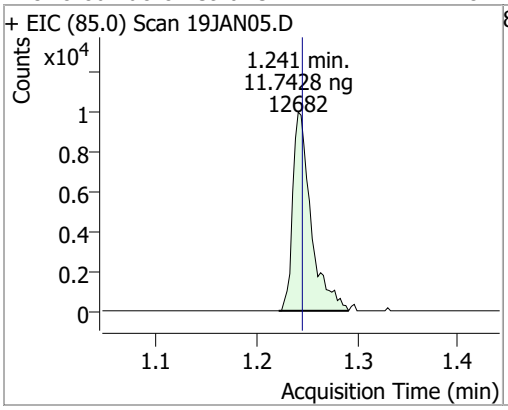


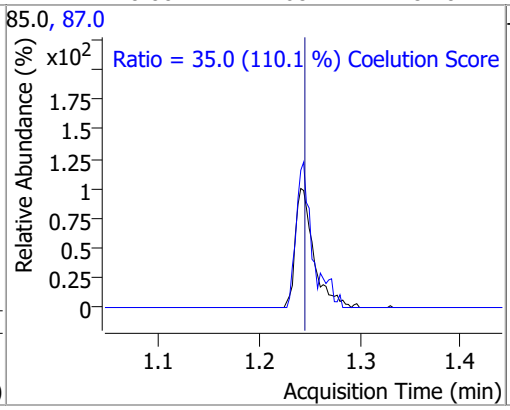
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.621	96.0	803183	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	313722	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.103	152.0	251947	250.0000	ng		0.003
System Monitoring Compounds							
S Dibromofluoromethane	5.845	113.0	9521	12.2386	ng		-0.005
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 4.90%		*	
S 1,2-Dichloroethane-d4	6.227	67.0	4197	12.4883	ng	m	-0.003
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 5.00%		*	
S Toluene-d8	8.319	98.0	33951	11.0927	ng		0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 4.44%		*	
S p-Bromofluorobenzene	10.954	95.0	10669	11.4690	ng		0.006
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 4.59%		*	
Target Compounds							**QValue**
T Dichlorodifluoromethane	1.241	85.0	12682	11.7428	ng		94
T Chloromethane	1.411	50.0	15397	12.1094	ng		94
T Vinyl chloride	1.498	62.0	14225	12.2910	ng		94
T Bromomethane	1.799	96.0	5411	12.9499	ng		96
T Chloroethane	1.897	64.0	6576	12.0096	ng		92
T Trichlorofluoromethane	2.148	101.0	16916	12.1888	ng		100
T 1,1-Dichloroethene	2.703	96.0	9440	11.6900	ng		96
T Methylene chloride	3.330	49.0	15719	13.3883	ng		96
T trans-1,2-Dichloroethene	3.718	96.0	10455	12.5326	ng		94
T Methyl tert-butyl ether (MTBE)	3.757	73.0	12721	12.2004	ng		99
T 1,1-Dichloroethane	4.381	63.0	18500	11.8493	ng		98
T 2,2-Dichloropropane	5.190	77.0	14213	12.0798	ng		97
T cis-1,2-Dichloroethene	5.209	96.0	9874	11.6899	ng		95
T Methyl ethyl ketone	5.288	43.0	15038	123.1947	ng		97
T Bromochloromethane	5.516	128.0	4232	12.1514	ng	m	95
T Chloroform	5.653	83.0	18593	11.9271	ng		99

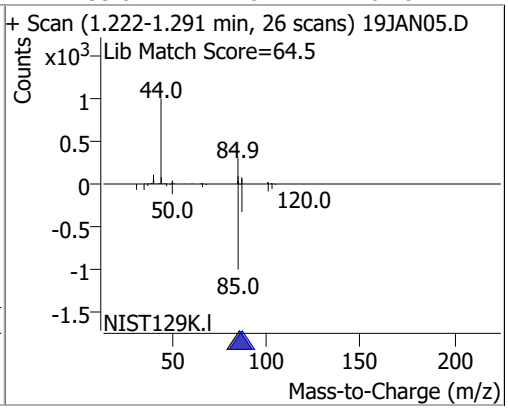
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	5.829	97.0	16614	11.5510	ng		98
T Carbon tetrachloride	6.024	117.0	15775	11.3084	ng		97
T 1,1-Dichloropropene	6.041	75.0	12417	10.6461	ng		94
T Benzene	6.286	78.0	37609	11.7214	ng		96
T 1,2-Dichloroethane	6.322	62.0	11123	12.5510	ng		99
T Trichloroethene	7.022	95.0	10949	11.6577	ng		97
T 1,2-Dichloropropane	7.273	63.0	9499	11.5033	ng		98
T Dibromomethane	7.396	93.0	4088	11.7450	ng		84
T Bromodichloromethane	7.585	83.0	12025	12.2862	ng		95
T cis-1,3-Dichloropropene	8.059	75.0	12472	11.6126	ng		92
T Toluene	8.386	92.0	21899	10.7342	ng		97
T trans-1,3-Dichloropropene	8.634	75.0	8755	11.1755	ng		93
T 1,1,2-Trichloroethane	8.815	83.0	4762	11.9543	ng		92
T Tetrachloroethene	8.938	163.8	8964	10.8355	ng		96
T 1,3-Dichloropropane	8.985	76.0	9988	12.3902	ng		94
T Chlorodibromomethane	9.203	129.0	7984	12.4449	ng		96
T 1,2-Dibromoethane	9.306	107.0	4936	11.2192	ng		87
T Chlorobenzene	9.797	112.0	26688	11.9332	ng		96
T 1,1,1,2-Tetrachloroethane	9.894	131.0	9446	12.0378	ng		94
T Ethylbenzene	9.914	91.0	42980	11.9196	ng		95
T m+p-Xylenes	10.037	106.0	31103	22.1645	ng		100
T o-Xylene	10.435	106.0	13717	11.3234	ng		98
T Styrene	10.447	104.0	21872	10.9234	ng		99
T Bromoform	10.631	172.5	4402	13.0389	ng		96
T Bromobenzene	11.091	156.0	9784	11.9266	ng		99
T 1,1,2,2-Tetrachloroethane	11.113	83.0	5757	12.3034	ng		97
T 1,2,3-Trichloropropane	11.147	110.0	1522	12.3825	ng	m	99
T 2-Chlorotoluene	11.292	126.0	9032	11.1243	ng		98
T 4-Chlorotoluene	11.400	91.0	26850	10.2102	ng		95
T 1,3-Dichlorobenzene	12.033	146.0	17111	11.5123	ng		96
T 1,4-Dichlorobenzene	12.125	146.0	17730	11.7008	ng		81
T 1,2-Dichlorobenzene	12.496	146.0	14345	11.5601	ng		97

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

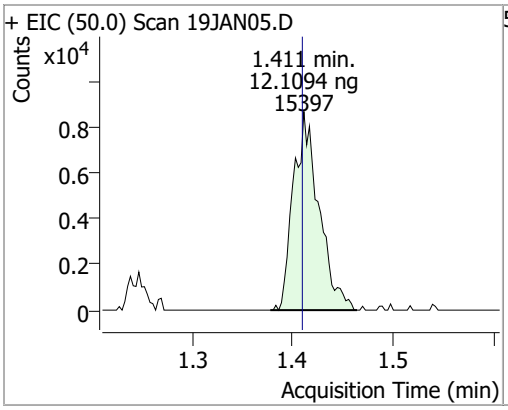
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	11.7428	1.24	0.00	12682	87.0	35.0	1.8	61.8

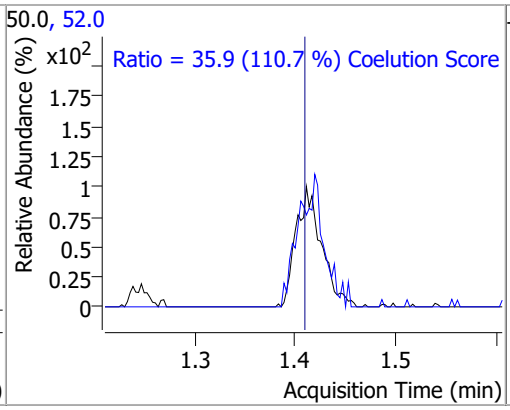


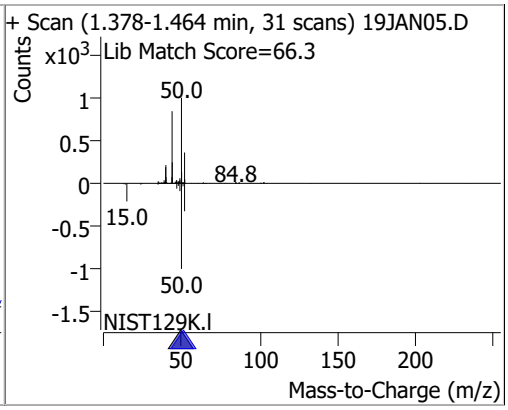




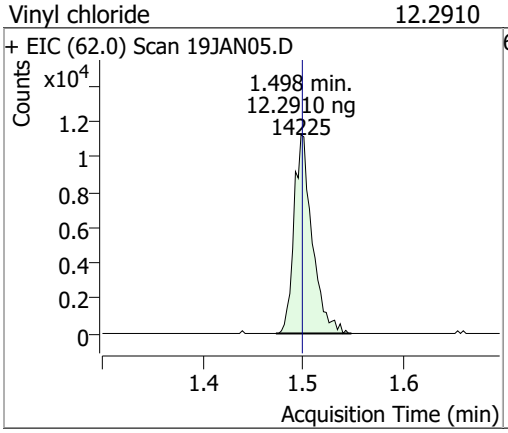
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	12.1094	1.41	0.00	15397	52.0	35.9	2.4	62.4

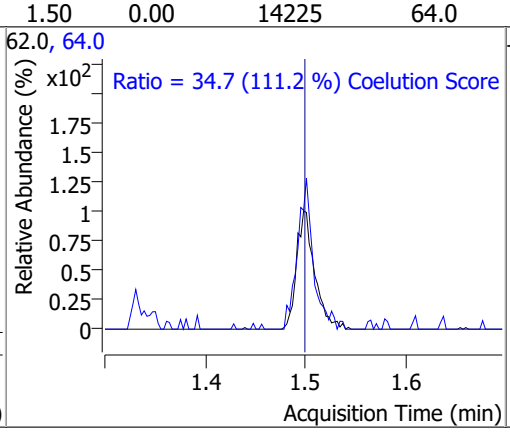


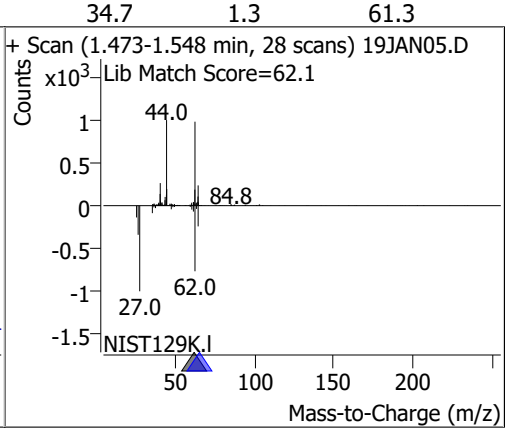




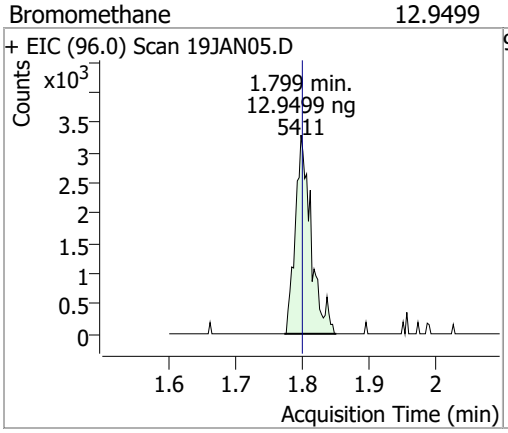
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	12.2910	1.50	0.00	14225	64.0	34.7	1.3	61.3

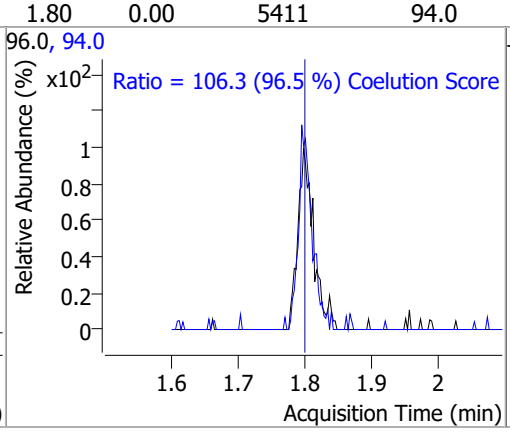


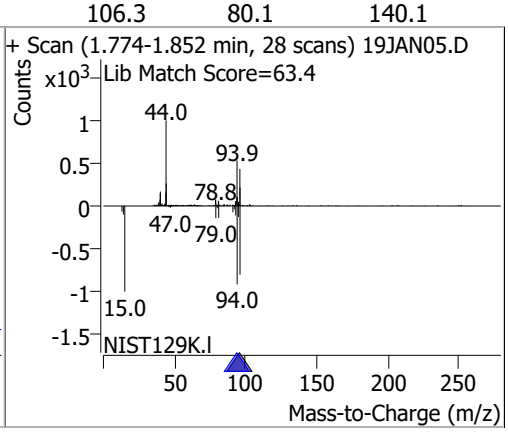




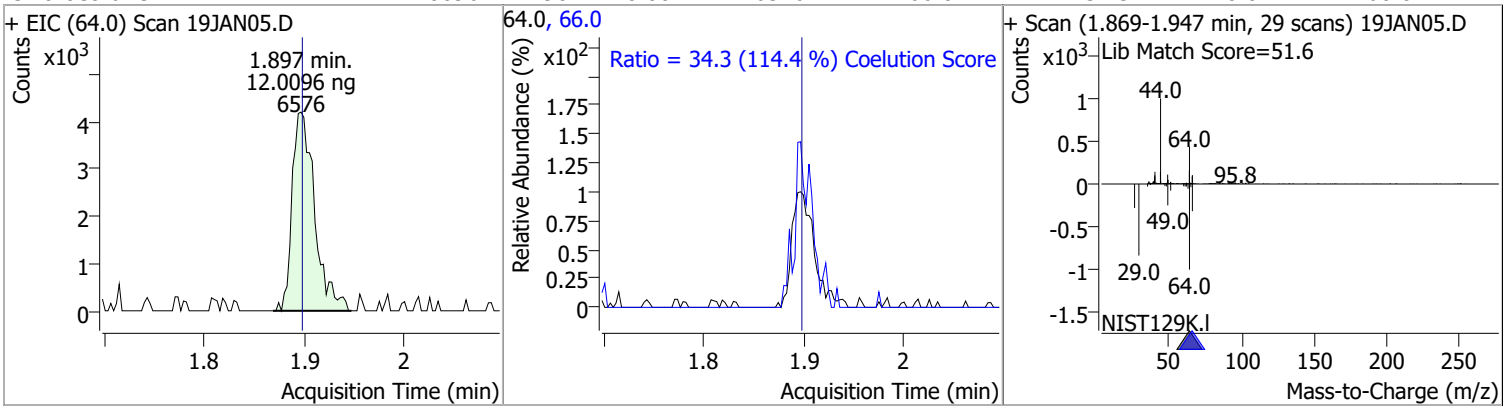
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	12.9499	1.80	0.00	5411	94.0	106.3	80.1	140.1



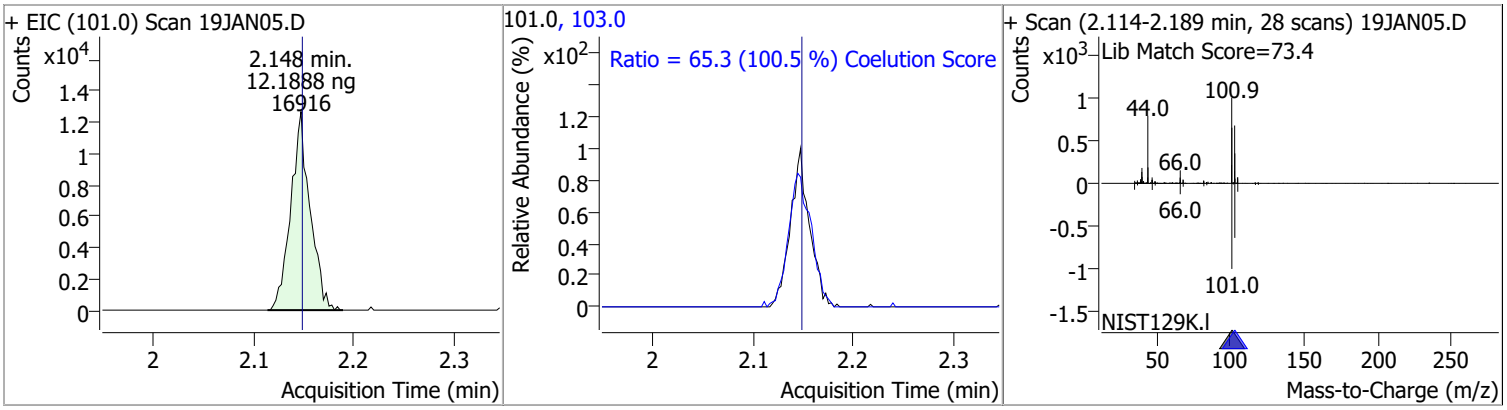




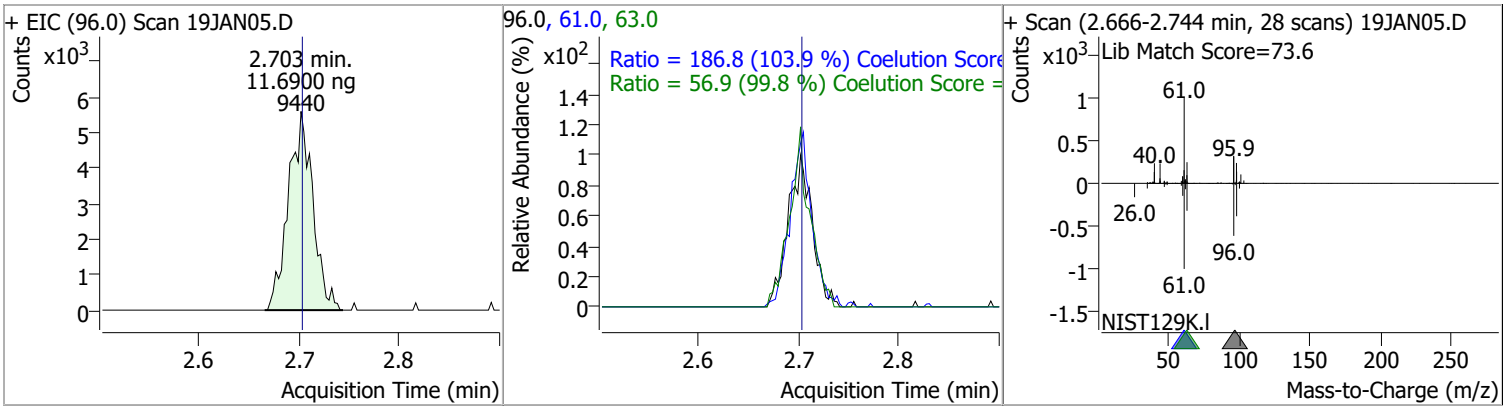
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	12.0096	1.90	0.00	6576	66.0	34.3	0.0	60.0



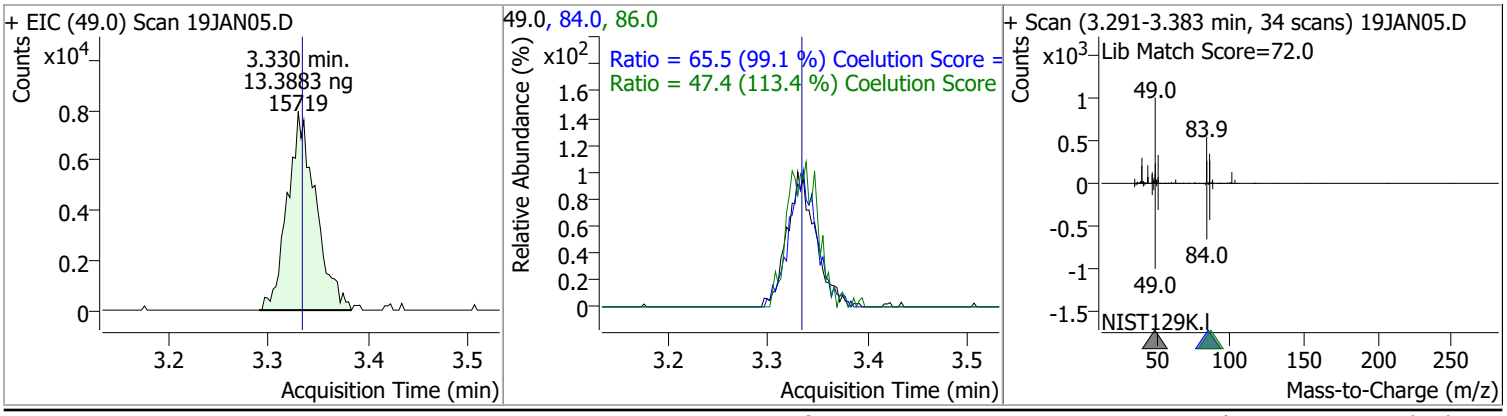
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	12.1888	2.15	0.00	16916	103.0	65.3	35.0	95.0



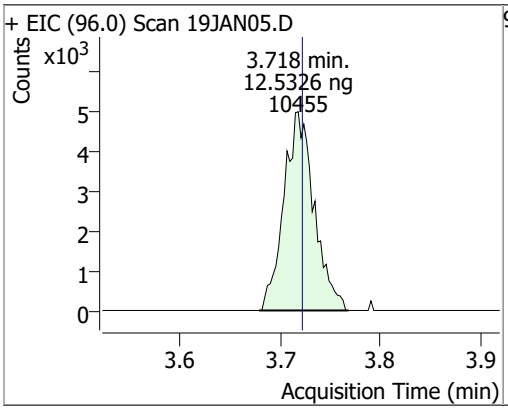
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	11.6900	2.70	0.00	9440	61.0	186.8	149.9	209.9
					63.0	56.9	27.0	87.0

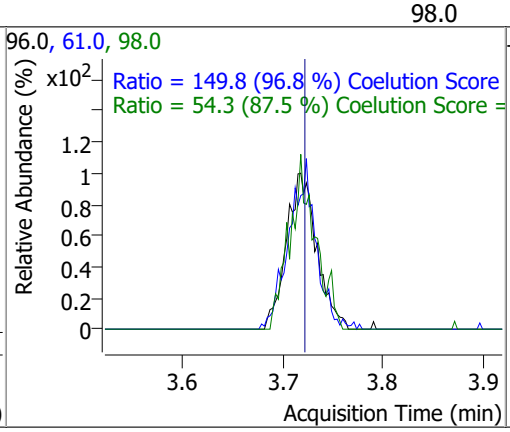


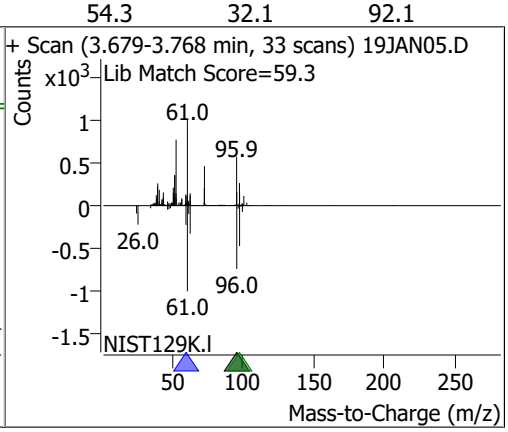
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	13.3883	3.33	0.00	15719	84.0	65.5	36.1	96.1
					86.0	47.4	11.8	71.8



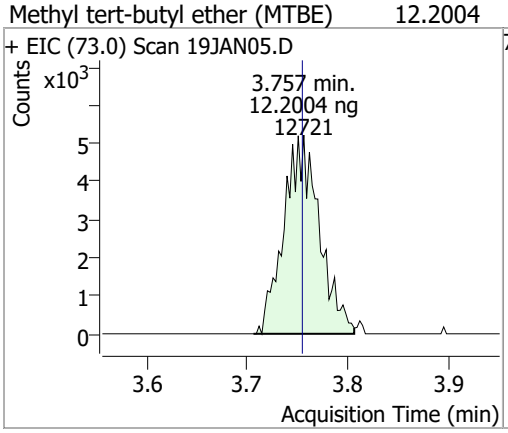
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	12.5326	3.72	0.00	10455	61.0	149.8	124.8	184.8
					98.0	54.3	32.1	92.1

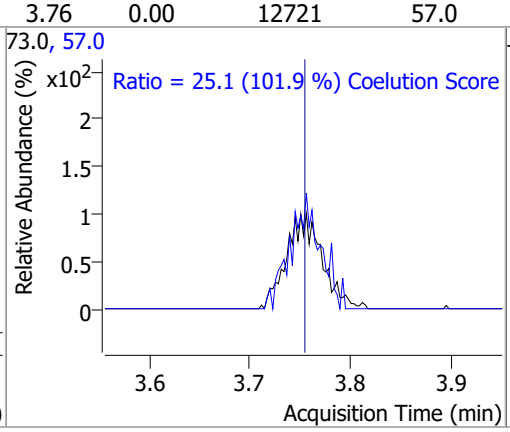


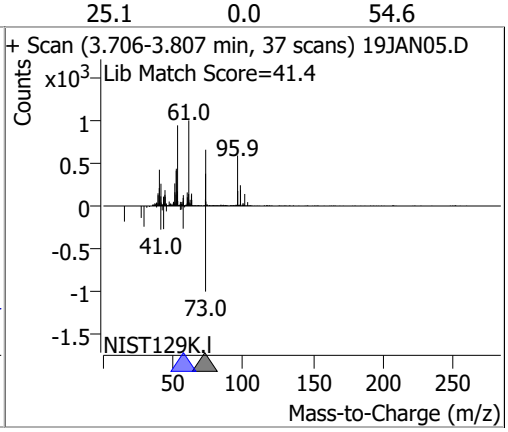




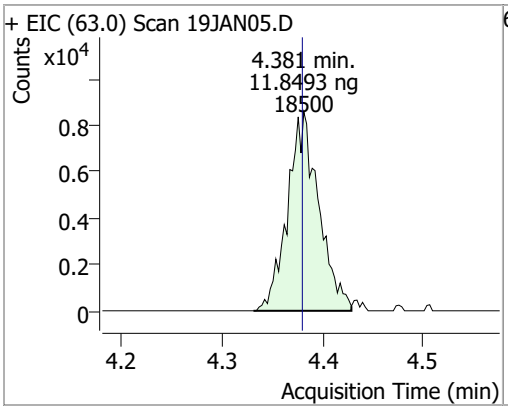
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	12.2004	3.76	0.00	12721	57.0	25.1	0.0	54.6

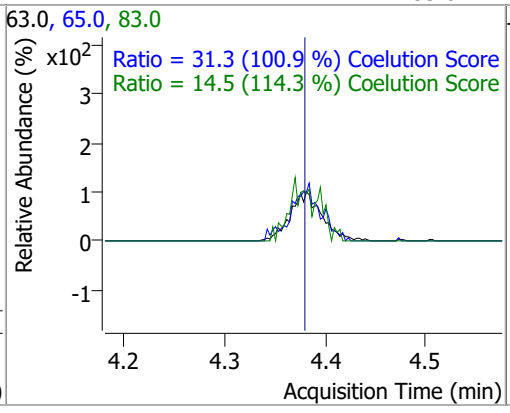


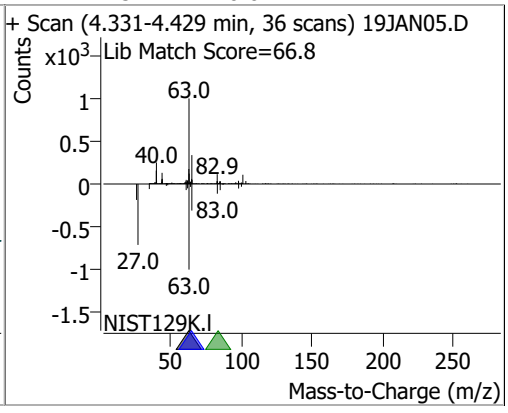




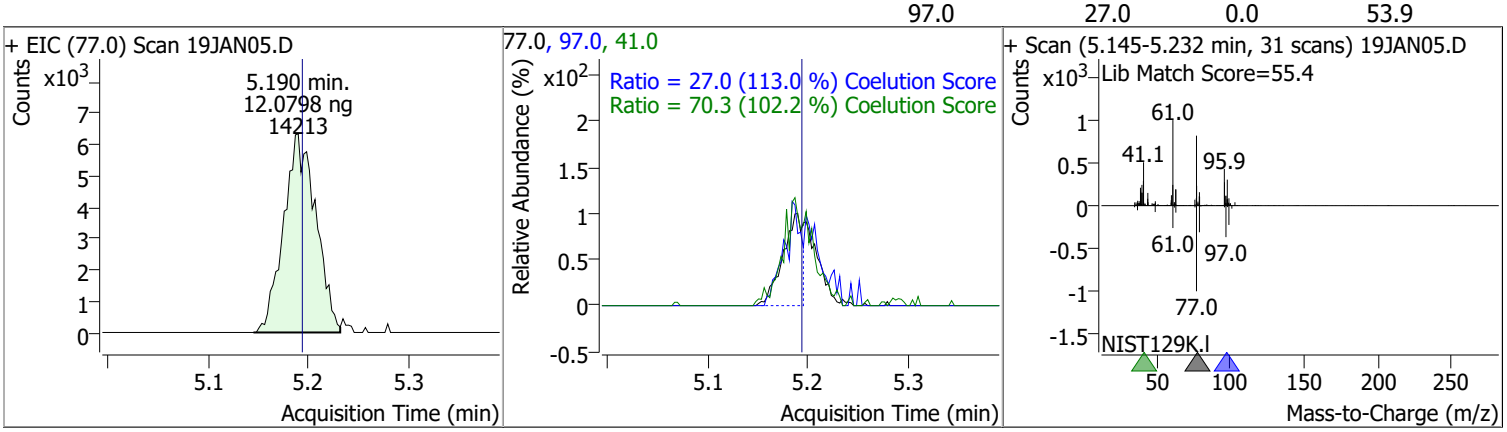
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	11.8493	4.38	0.00	18500	65.0	31.3	1.0	61.0
					83.0	14.5	0.0	42.7



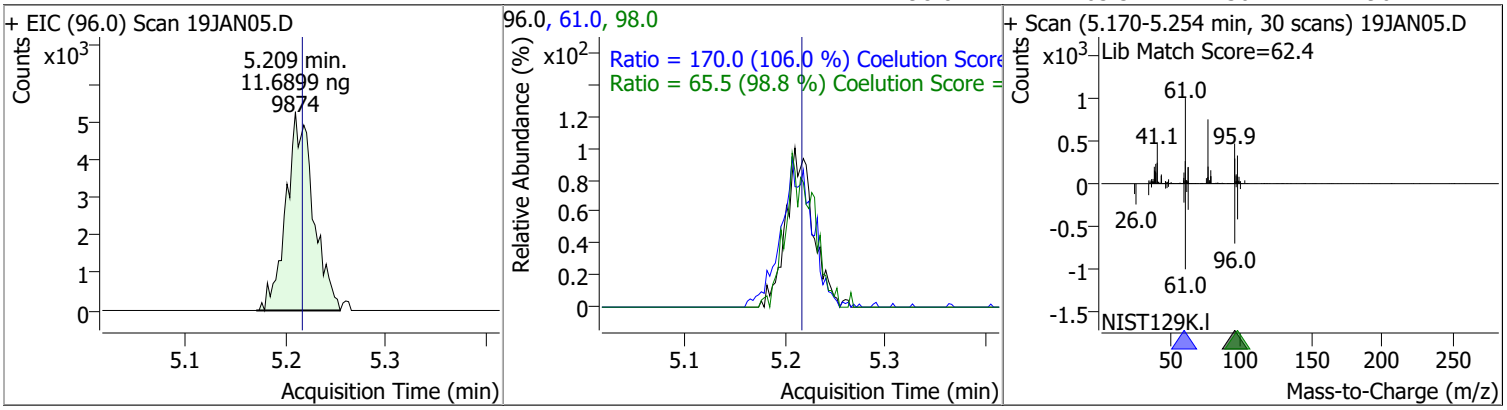




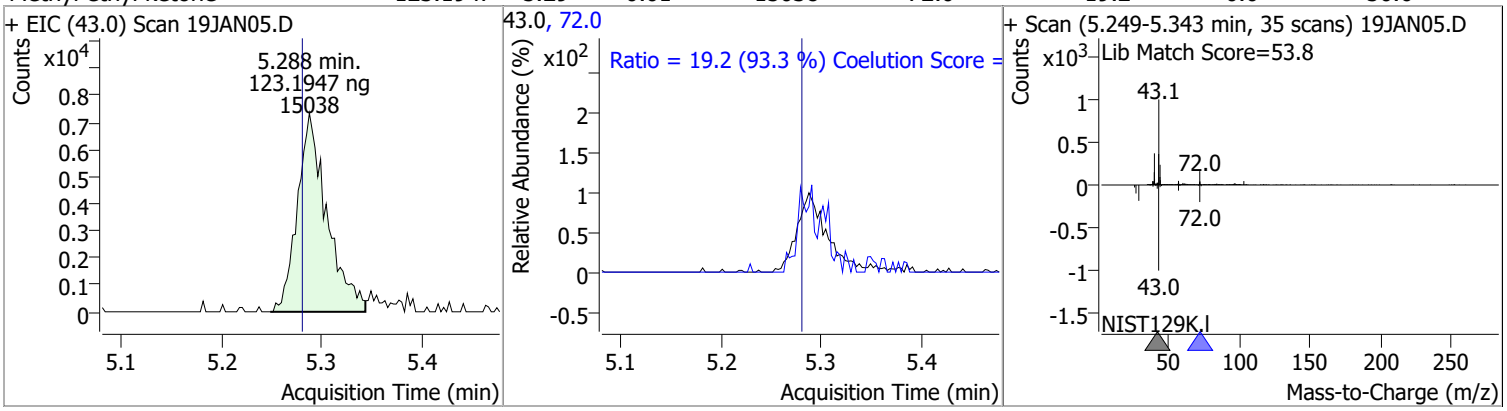
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	12.0798	5.19	0.00	14213	41.0	70.3	38.8	98.8
					97.0	27.0	0.0	53.9



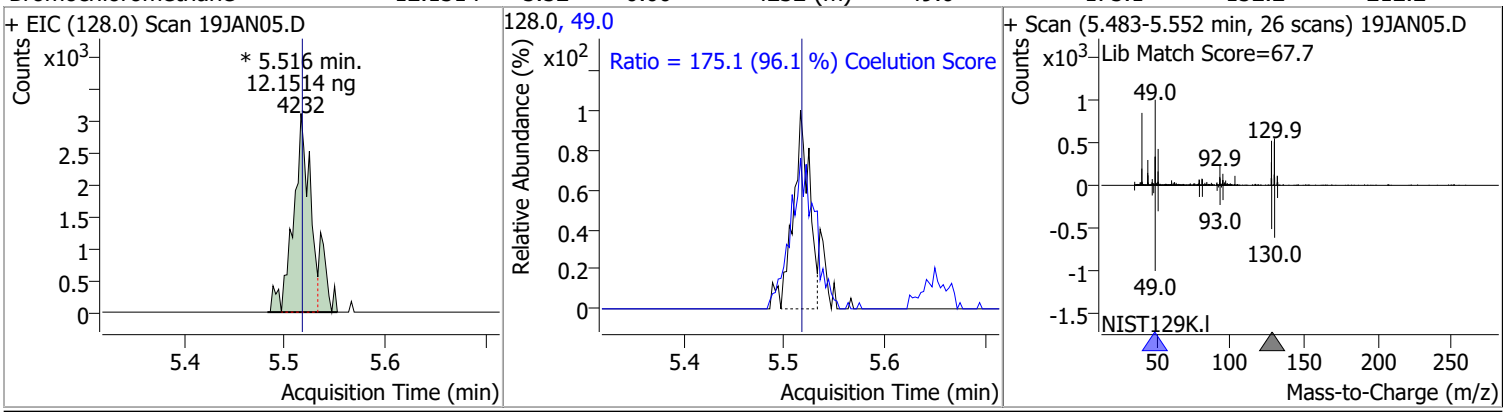
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	11.6899	5.21	-0.01	9874	61.0	170.0	130.4	190.4
					98.0	65.5	36.2	96.2



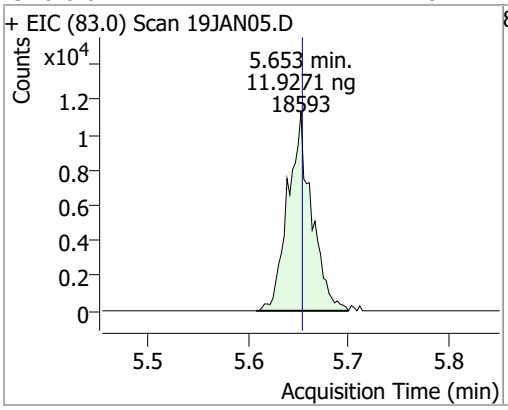
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	123.1947	5.29	0.01	15038	72.0	19.2	0.0	50.6

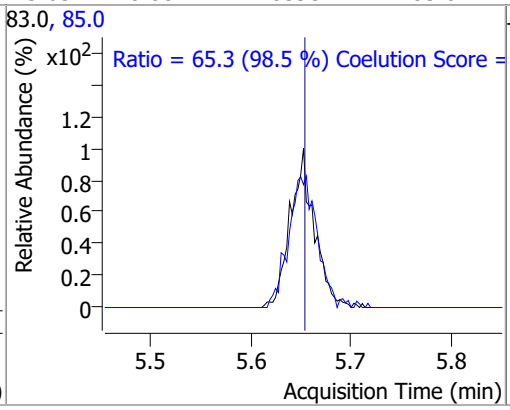


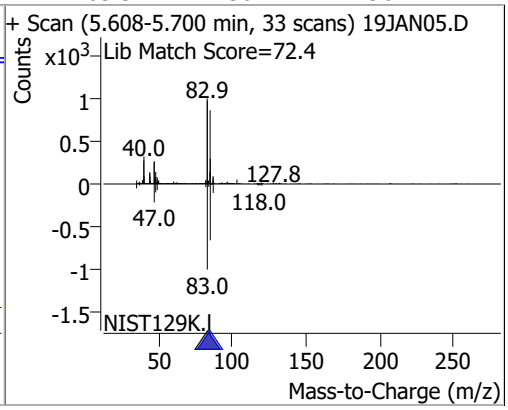
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	12.1514	5.52	0.00	4232 (m)	49.0	175.1	152.2	212.2



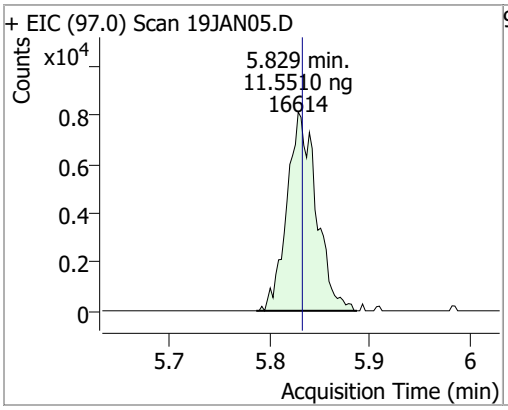
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	11.9271	5.65	0.00	18593	85.0	65.3	36.2	96.2

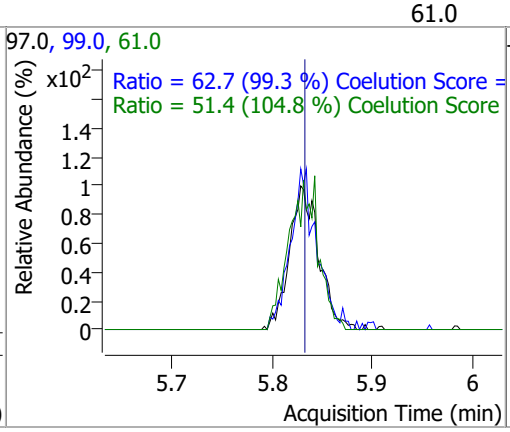


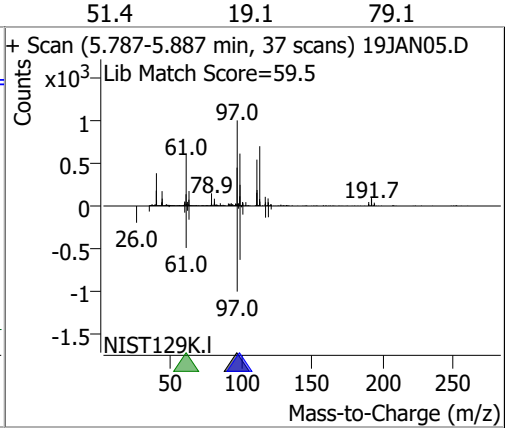




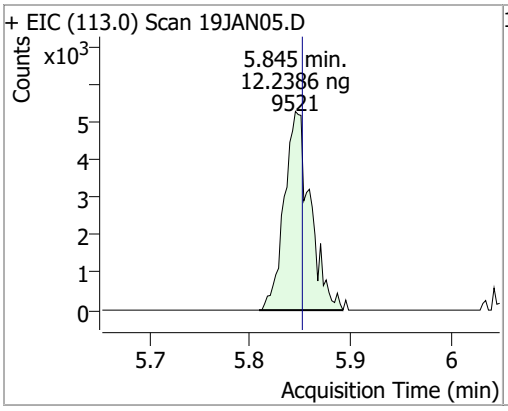
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	11.5510	5.83	0.00	16614	99.0	62.7	33.1	93.1
					61.0	51.4	19.1	79.1

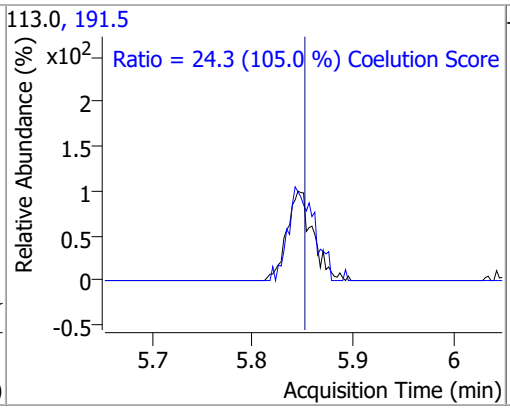


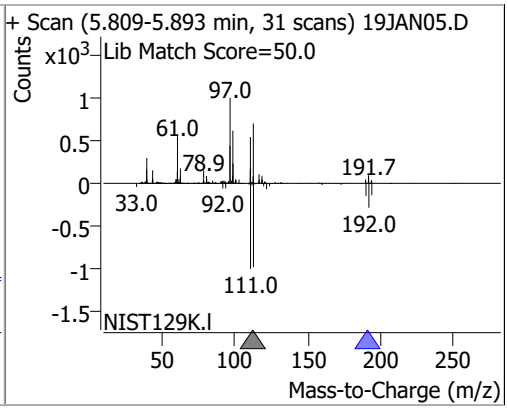




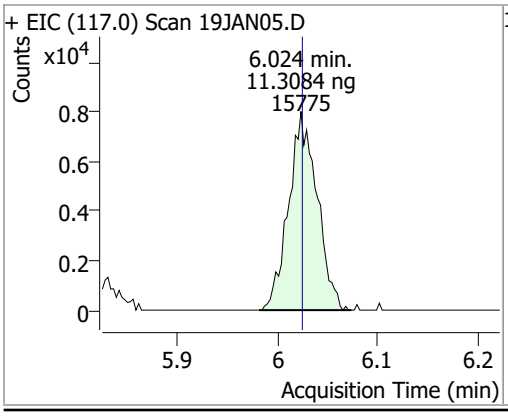
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	12.2386	5.85	-0.01	9521	191.5	24.3	0.0	53.2

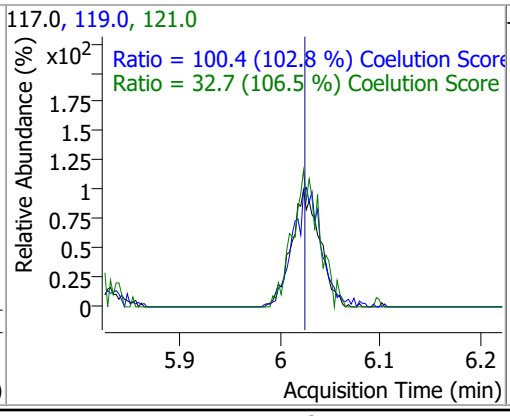


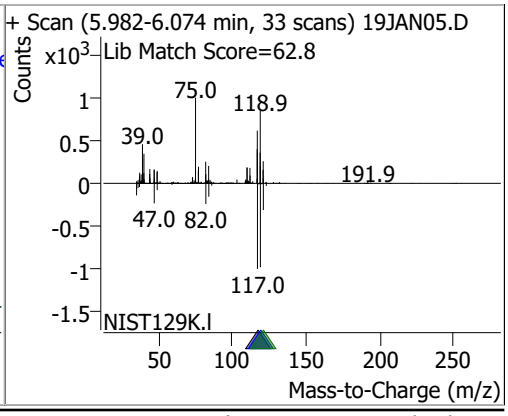




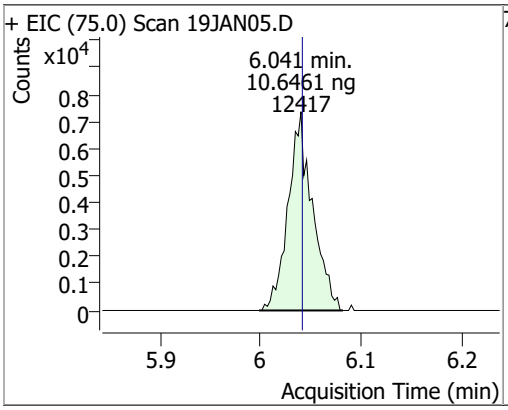
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	11.3084	6.02	0.00	15775	119.0	100.4	67.6	127.6
					121.0	32.7	0.7	60.7

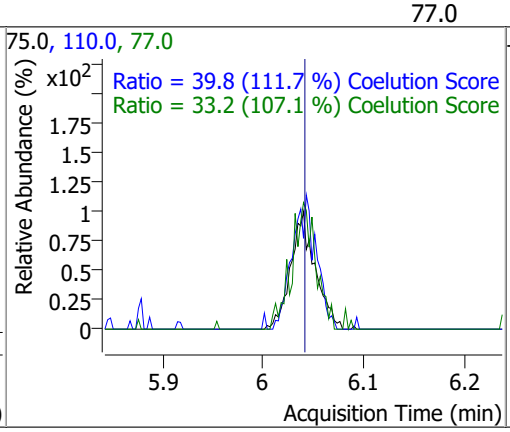


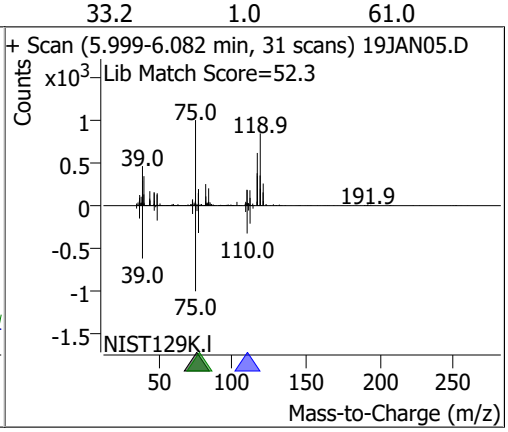




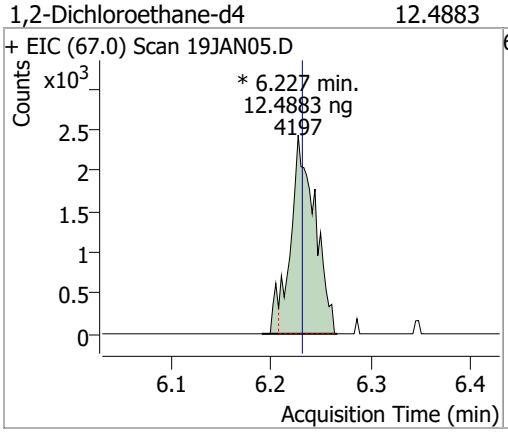
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	10.6461	6.04	0.00	12417	110.0	39.8	5.6	65.6
					77.0	33.2	1.0	61.0

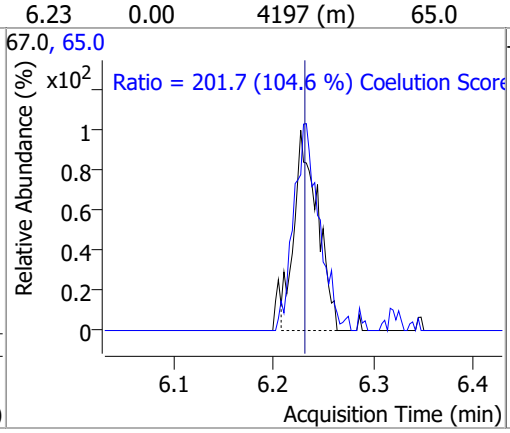


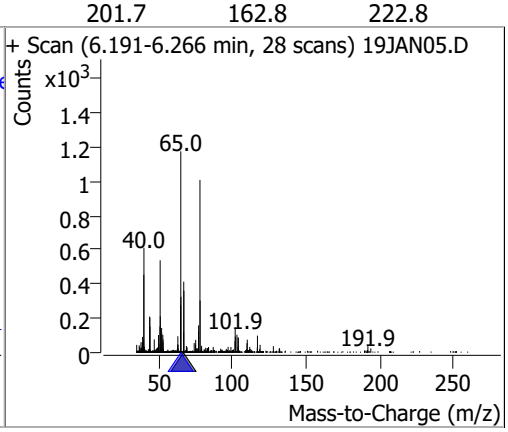




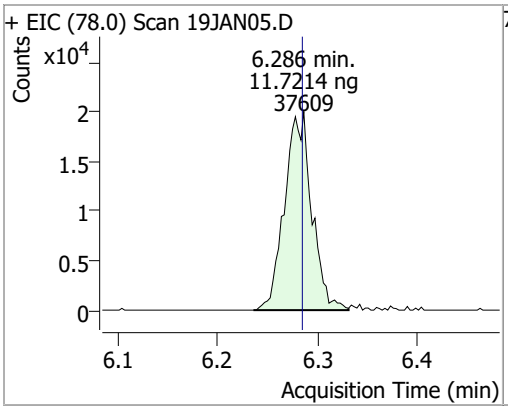
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	12.4883	6.23	0.00	4197 (m)	65.0	201.7	162.8	222.8

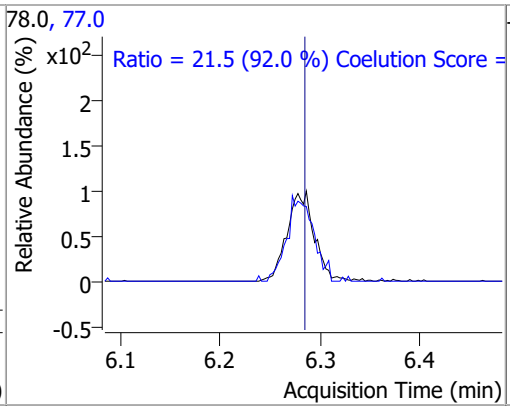


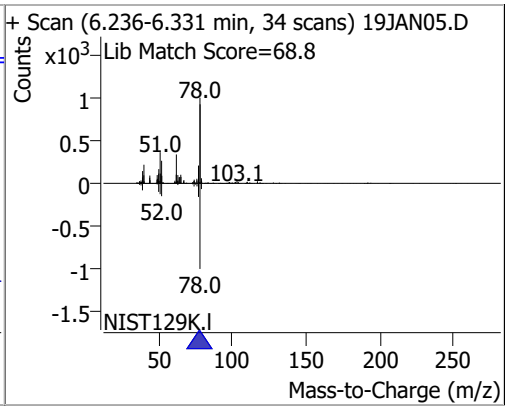




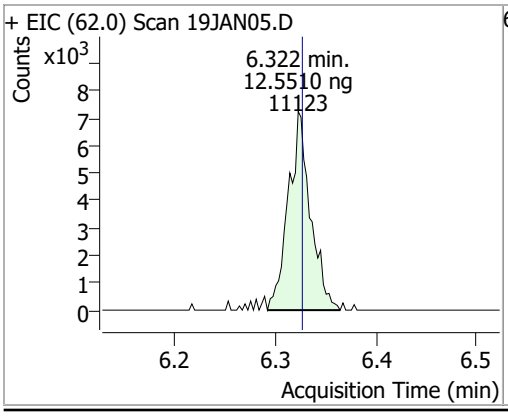
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	11.7214	6.29	0.00	37609	77.0	21.5	0.0	53.3

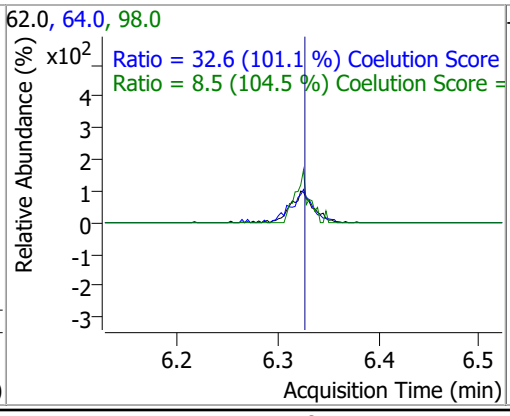


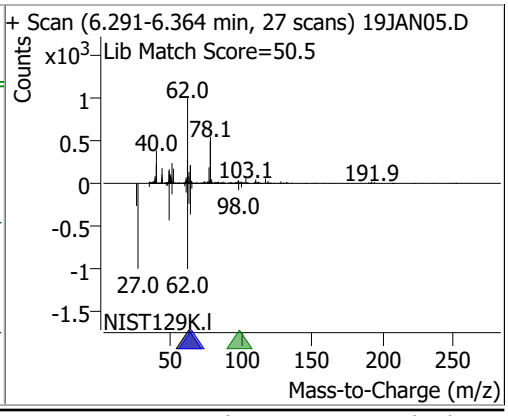




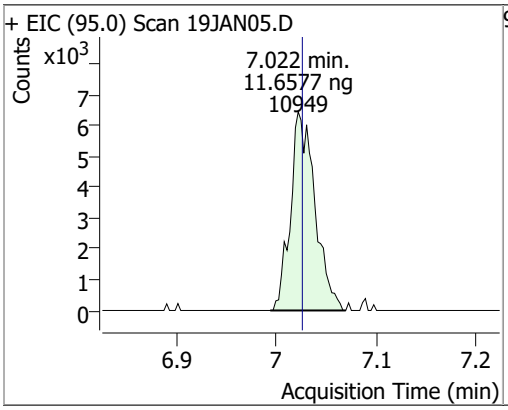
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	12.5510	6.32	0.00	11123	64.0	32.6	2.2	62.2
					98.0	8.5	0.0	38.2

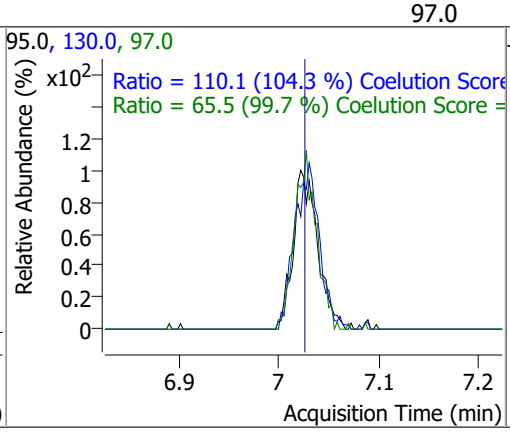


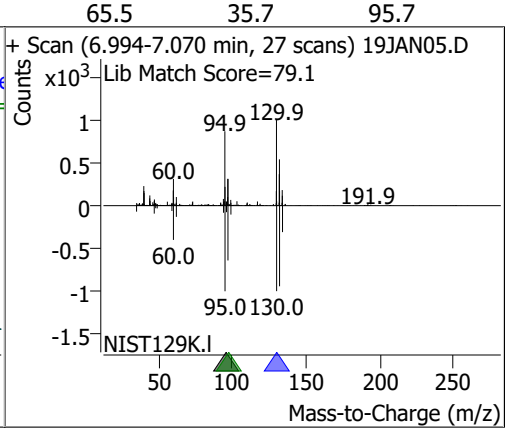




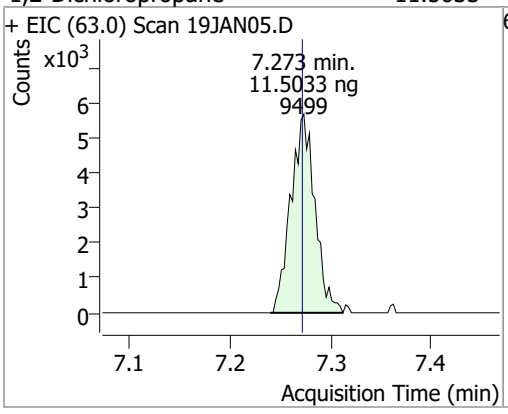
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	11.6577	7.02	0.00	10949	130.0	110.1	75.6	135.6
					97.0	65.5	35.7	95.7

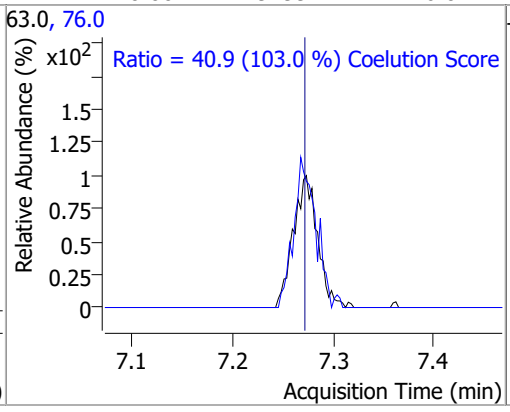


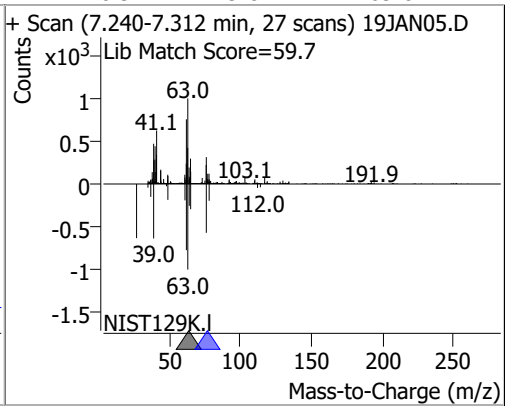




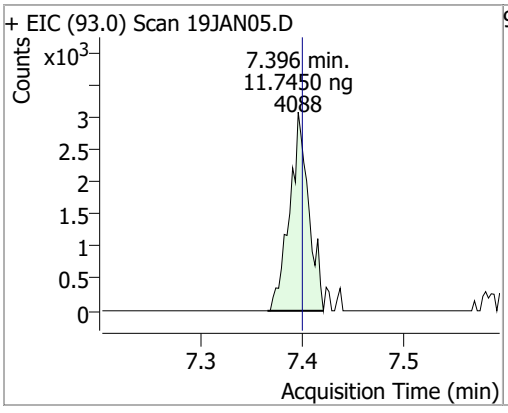
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	11.5033	7.27	0.00	9499	76.0	40.9	9.8	69.8

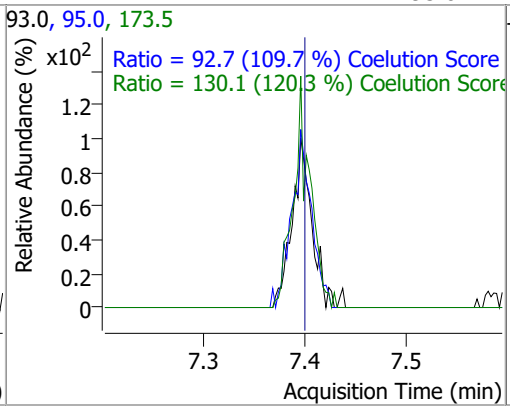


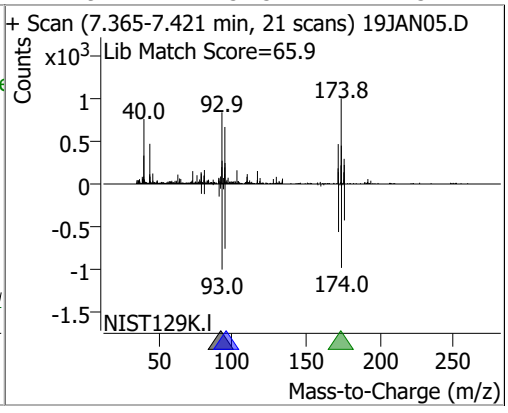




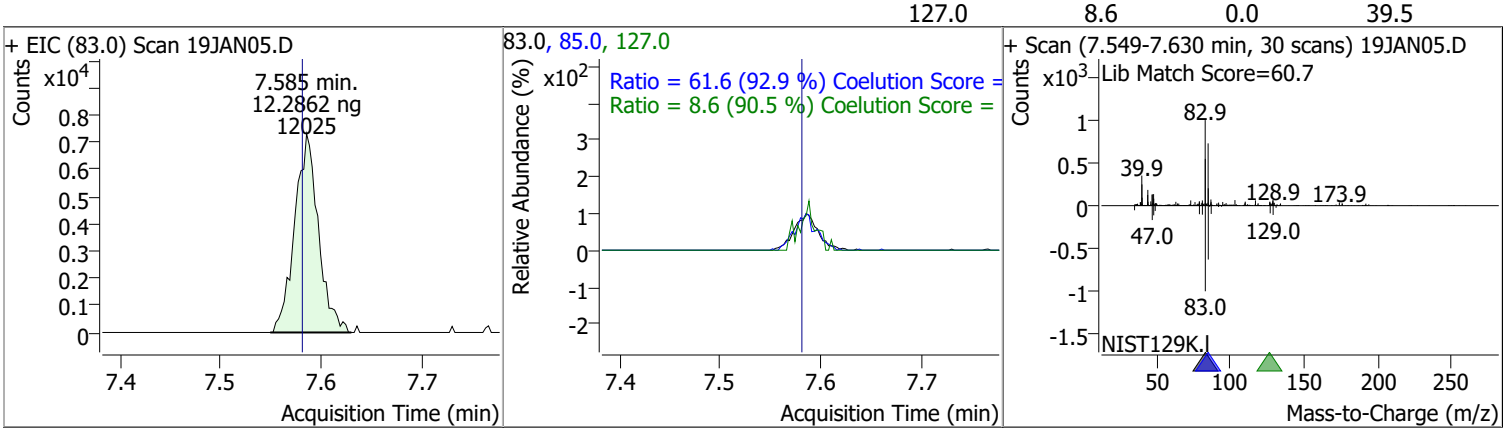
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	11.7450	7.40	0.00	4088	173.5	130.1	78.2	138.2
					95.0	92.7	54.5	114.5



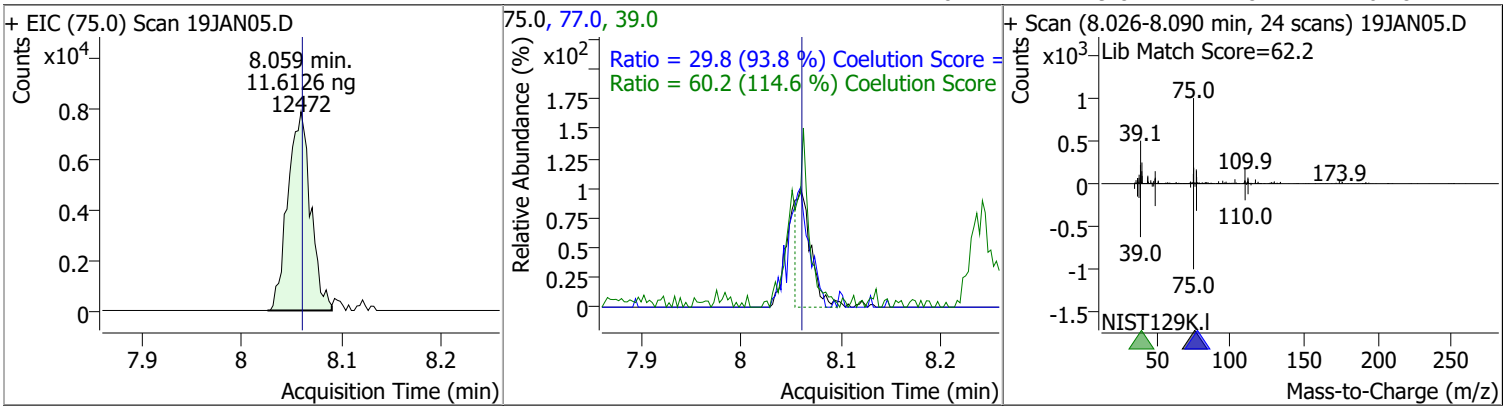




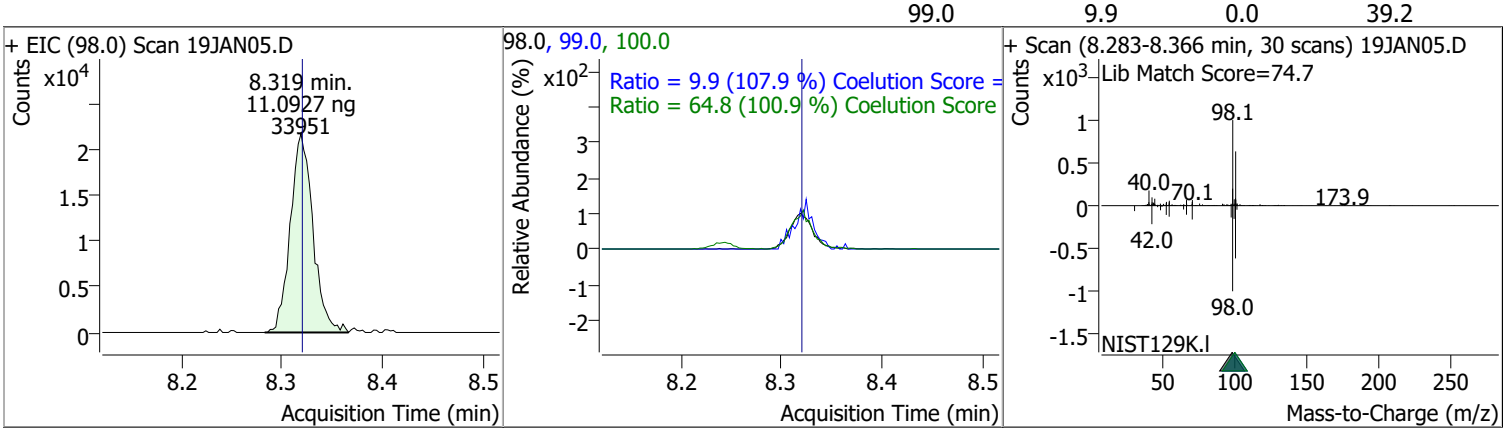
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	12.2862	7.59	0.01	12025	85.0	61.6	36.3	96.3
					127.0	8.6	0.0	39.5



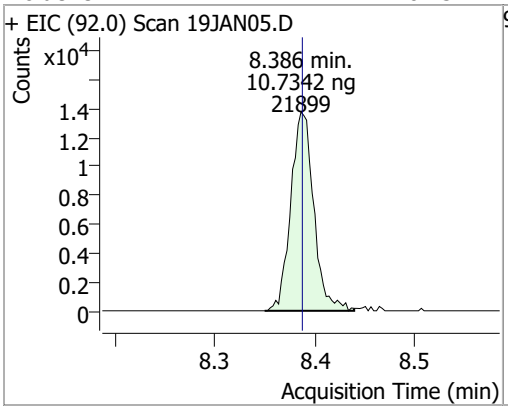
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	11.6126	8.06	0.00	12472	39.0	60.2	22.5	82.5
					77.0	29.8	1.8	61.8

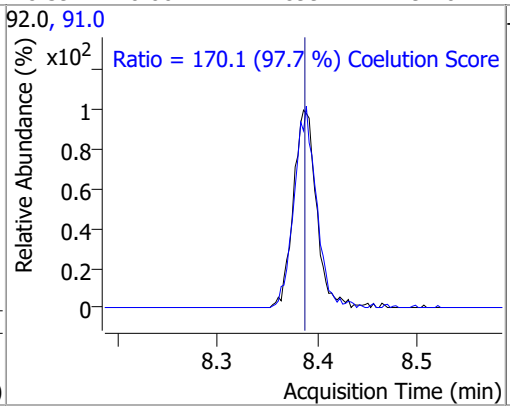


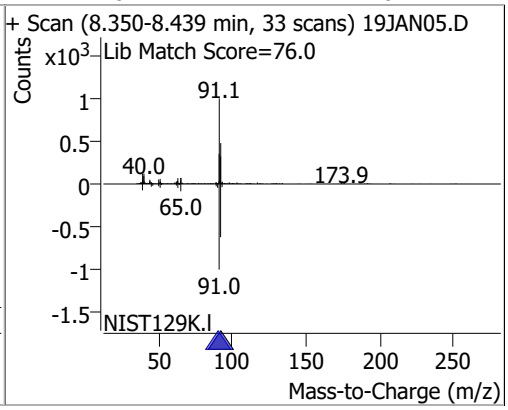
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	11.0927	8.32	0.00	33951	100.0	64.8	34.3	94.3
					99.0	9.9	0.0	39.2



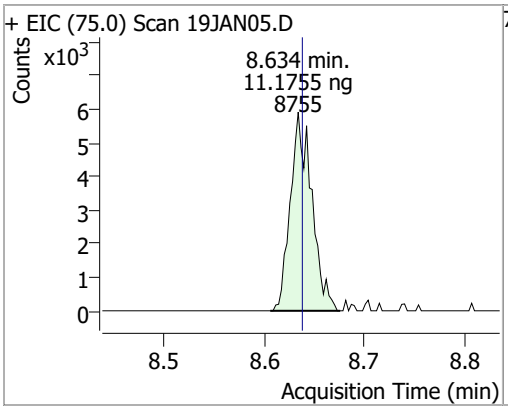
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	10.7342	8.39	0.00	21899	91.0	170.1	144.1	204.1

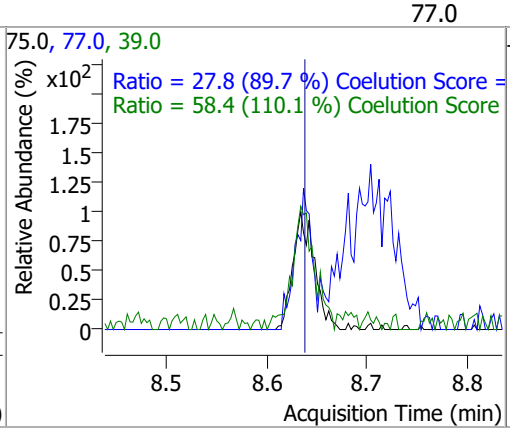


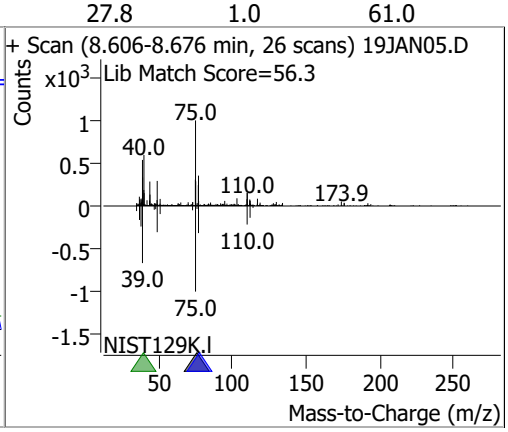




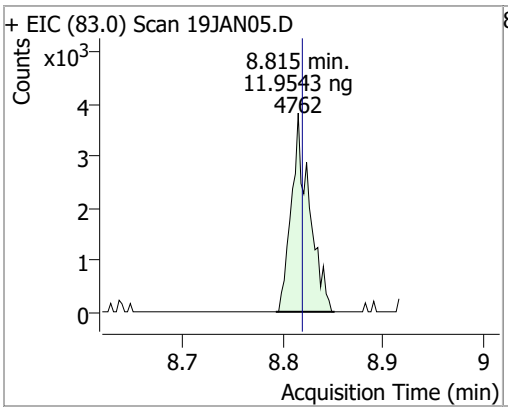
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	11.1755	8.63	0.00	8755	39.0	58.4	23.0	83.0
					77.0	27.8	1.0	61.0

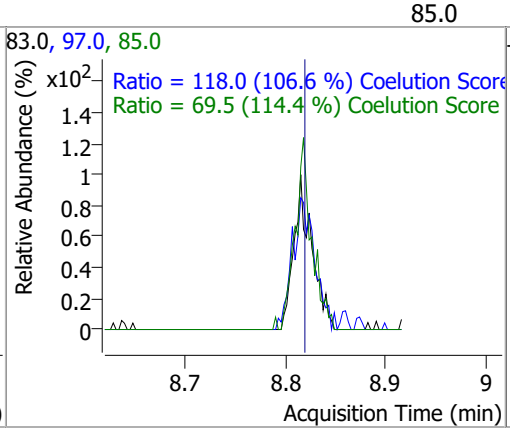


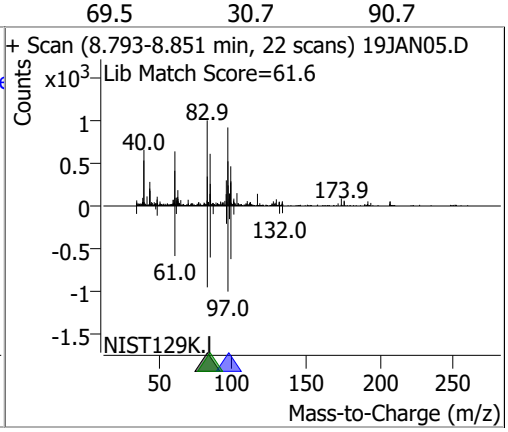




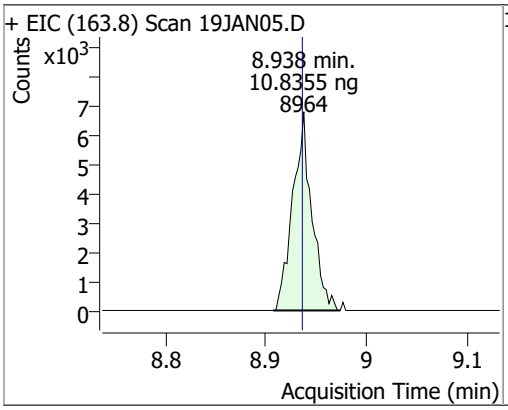
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	11.9543	8.82	0.00	4762	97.0	118.0	80.7	140.7
					85.0	69.5	30.7	90.7

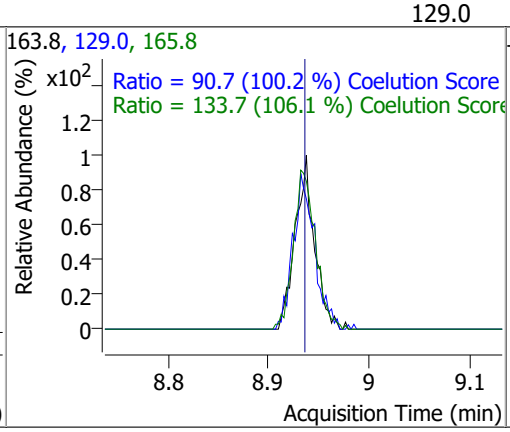


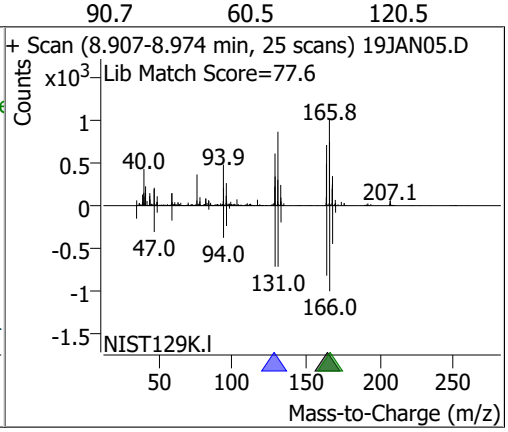




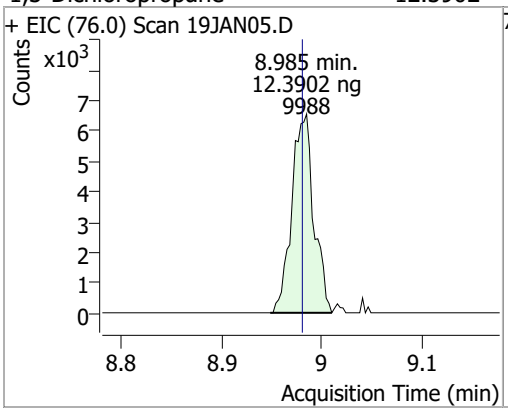
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	10.8355	8.94	0.00	8964	165.8	133.7	96.1	156.1
					129.0	90.7	60.5	120.5

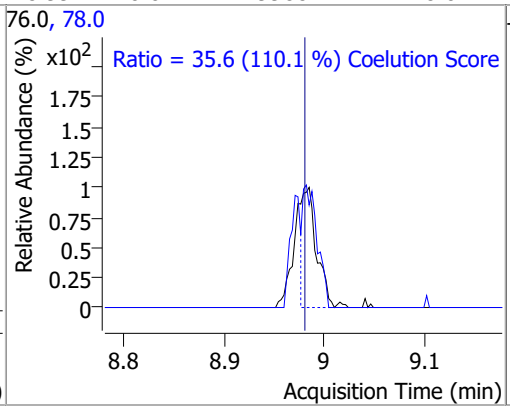


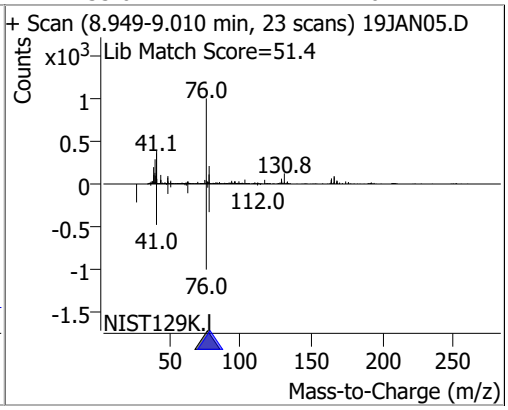




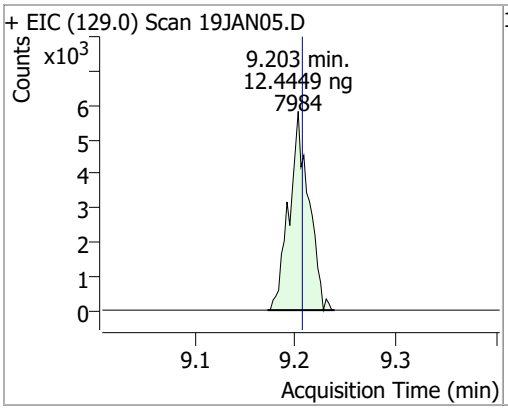
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	12.3902	8.99	0.01	9988	78.0	35.6	2.4	62.4

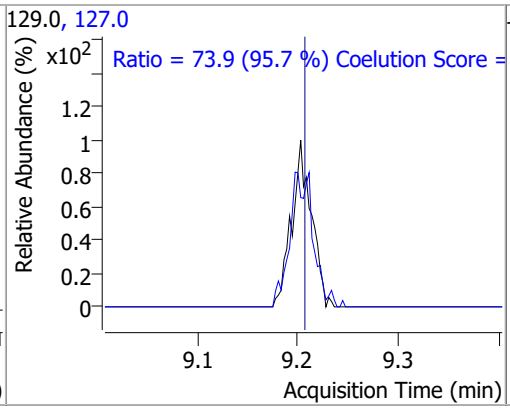


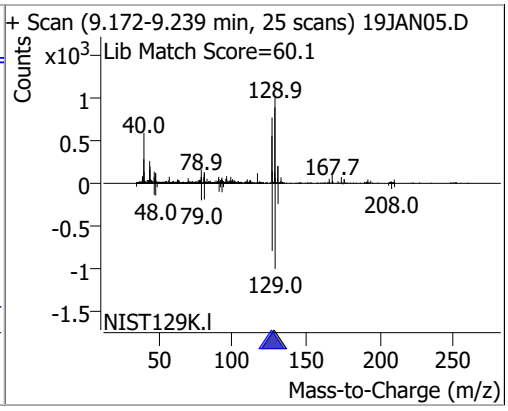




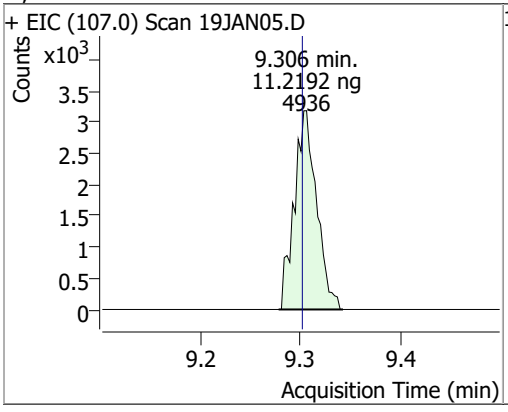
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	12.4449	9.20	0.00	7984	127.0	73.9	47.2	107.2

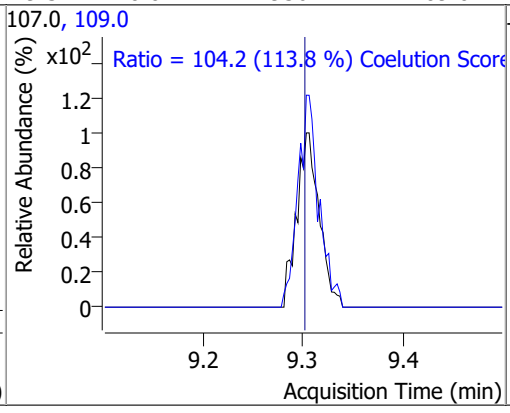


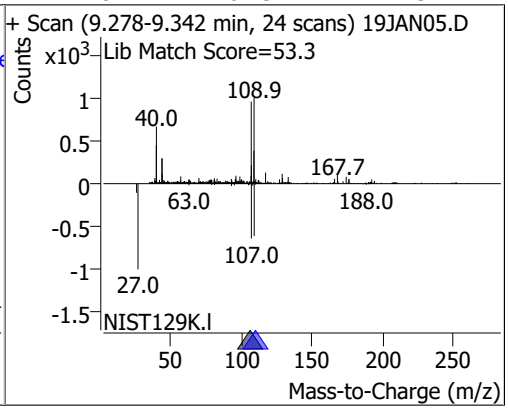




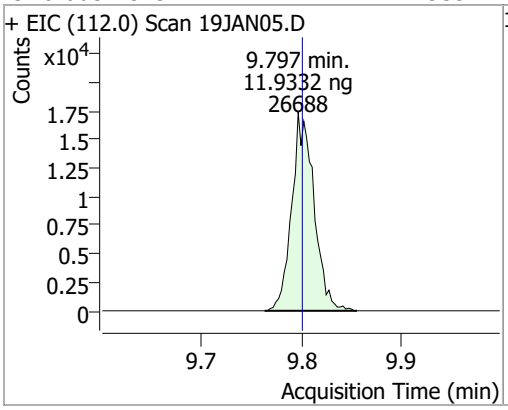
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	11.2192	9.31	0.01	4936	109.0	104.2	61.5	121.5

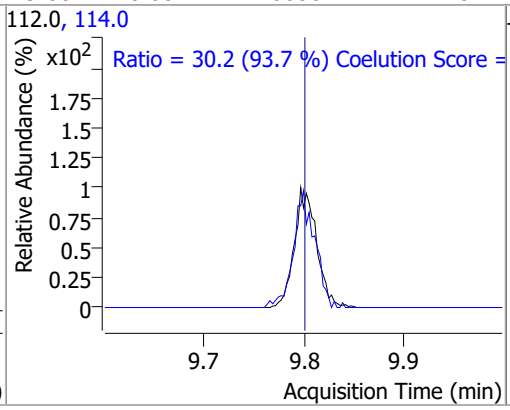


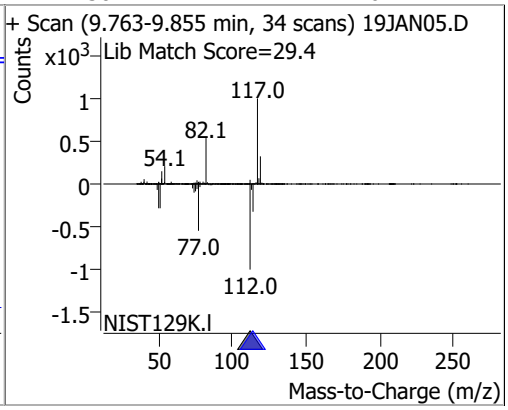




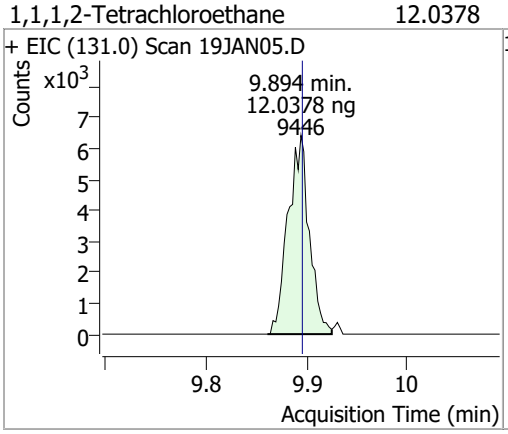
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	11.9332	9.80	0.00	26688	114.0	30.2	2.2	62.2

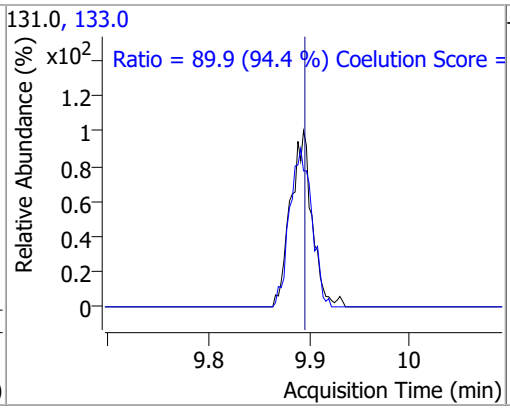


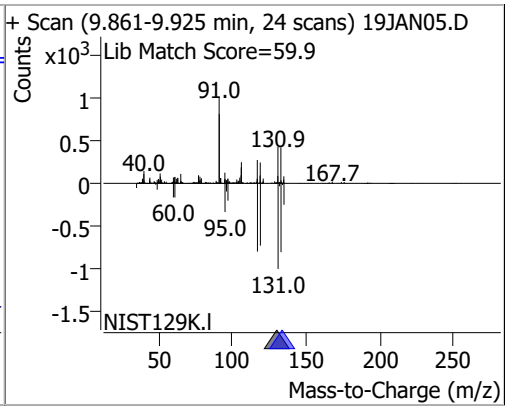




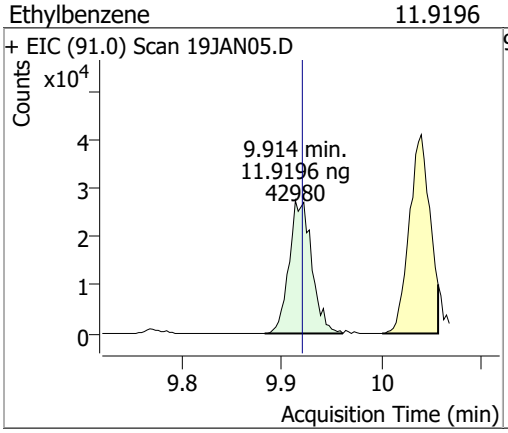
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	12.0378	9.89	0.00	9446	133.0	89.9	65.3	125.3

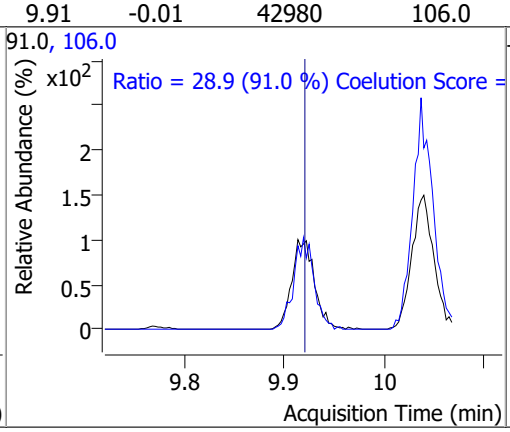


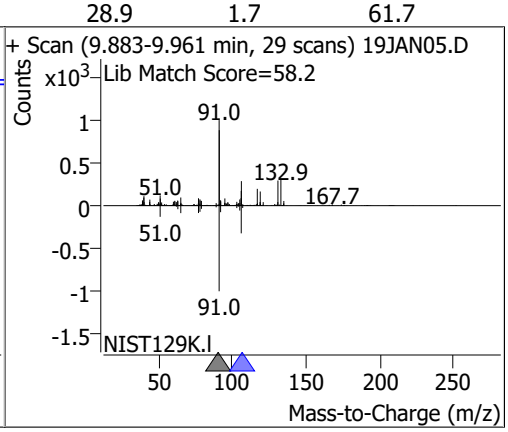




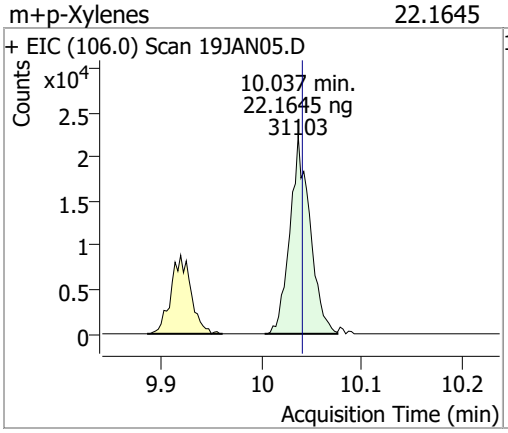
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	11.9196	9.91	-0.01	42980	106.0	28.9	1.7	61.7

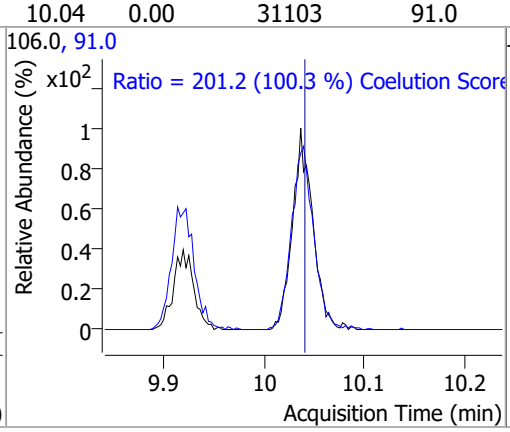


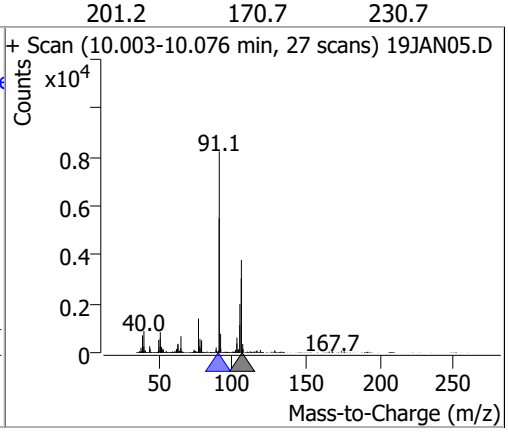




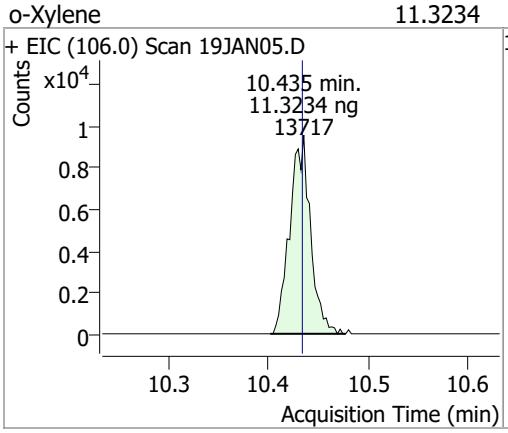
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	22.1645	10.04	0.00	31103	91.0	201.2	170.7	230.7

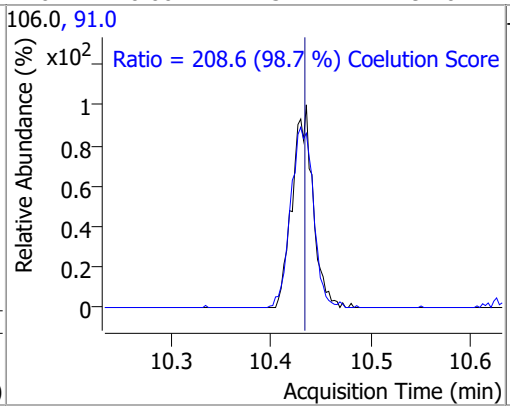


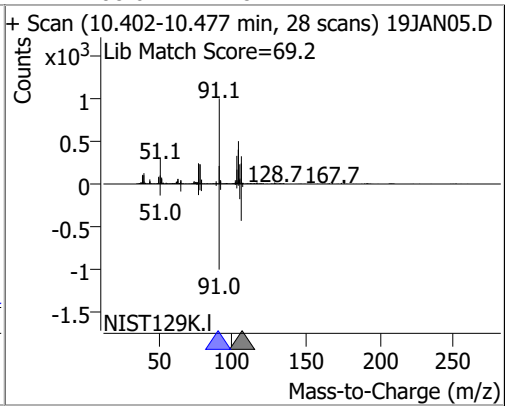




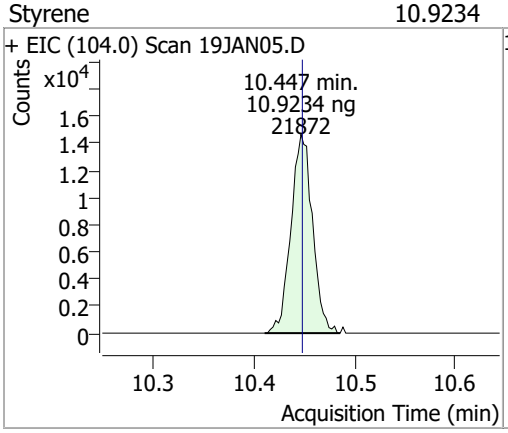
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	11.3234	10.44	0.00	13717	91.0	208.6	181.4	241.4

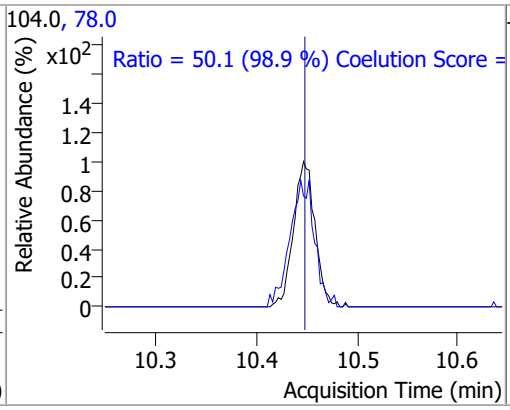


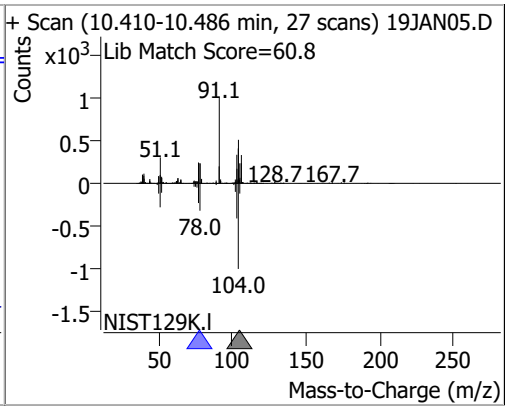




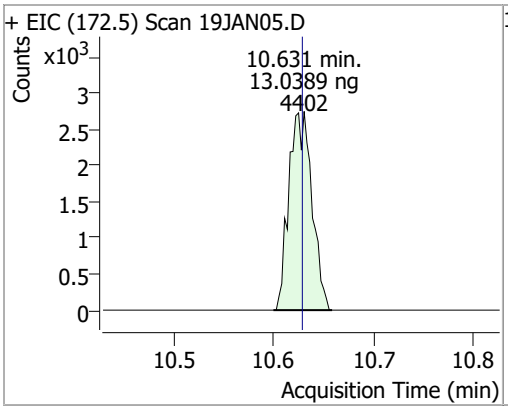
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	10.9234	10.45	0.00	21872	78.0	50.1	20.6	80.6

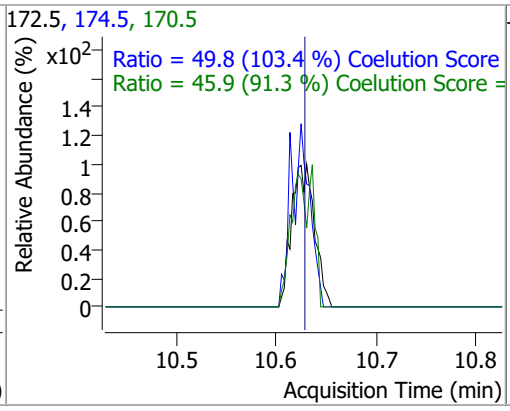


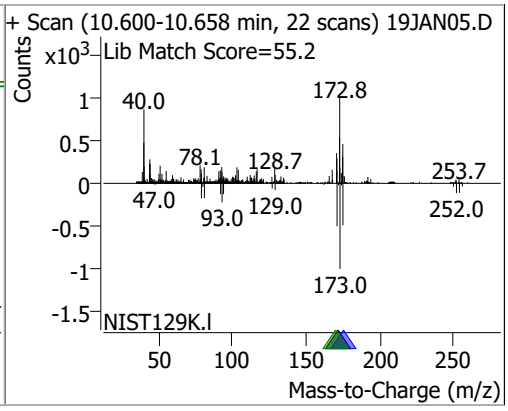




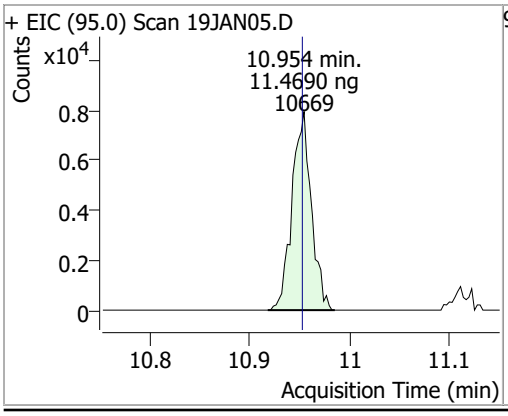
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	13.0389	10.63	0.01	4402	170.5	45.9	20.3	80.3
					174.5	49.8	18.1	78.1

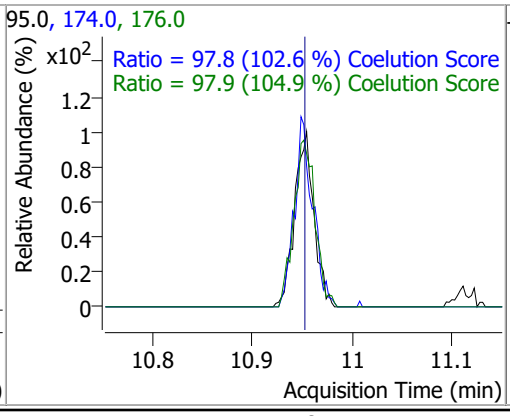


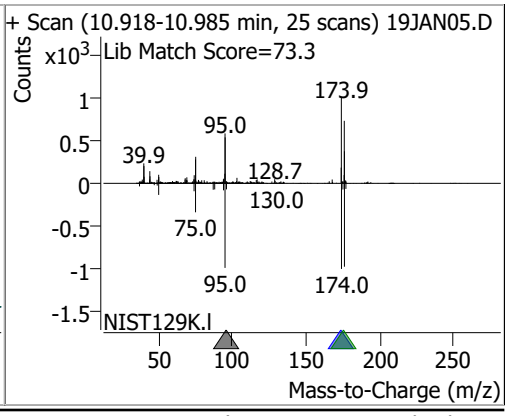




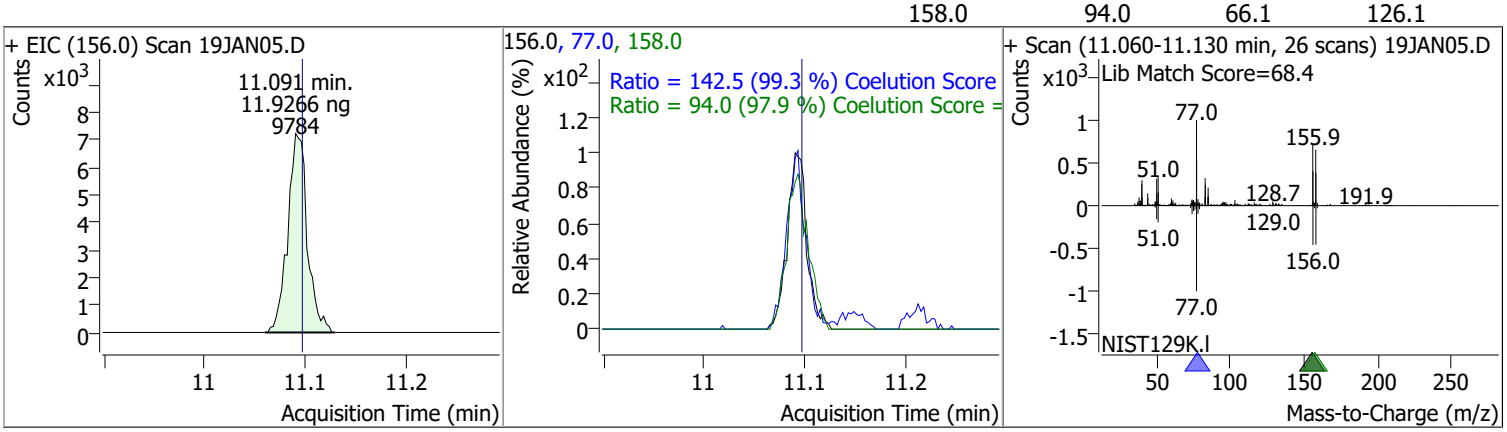
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	11.4690	10.95	0.01	10669	174.0	97.8	65.3	125.3
					176.0	97.9	63.3	123.3



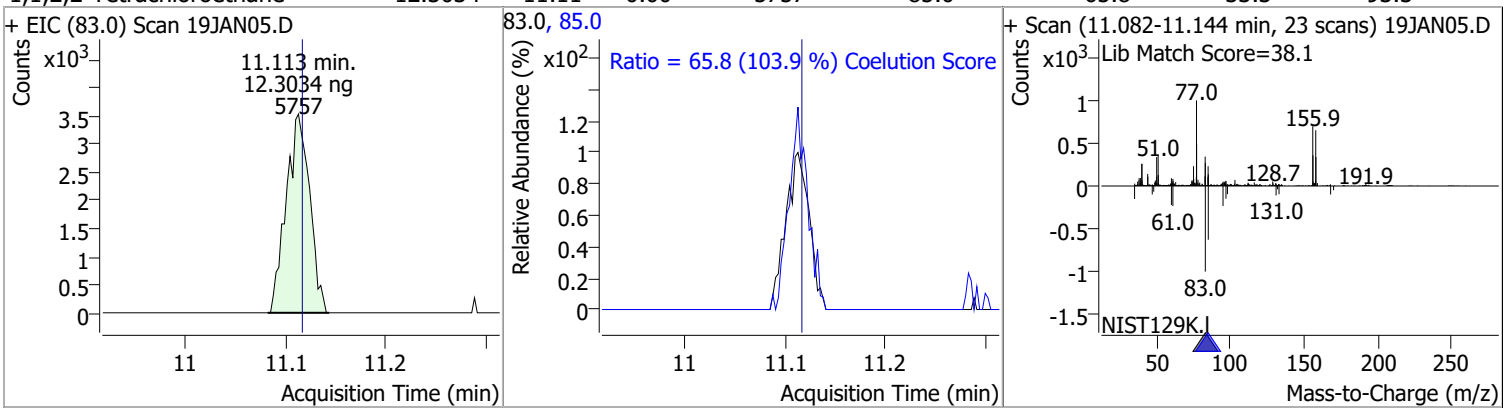




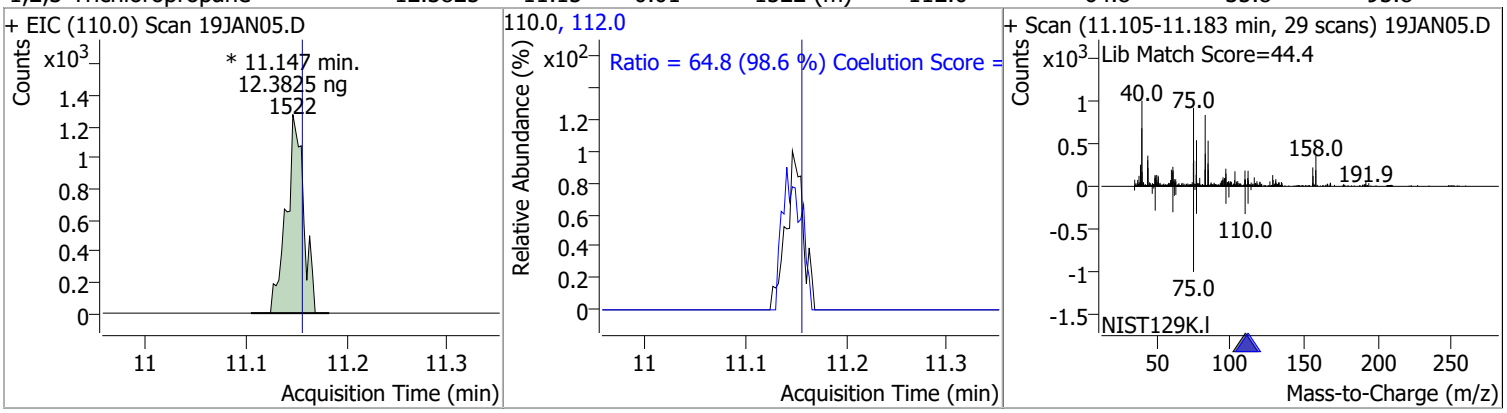
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	11.9266	11.09	0.00	9784	77.0	142.5	113.5	173.5
					158.0	94.0	66.1	126.1



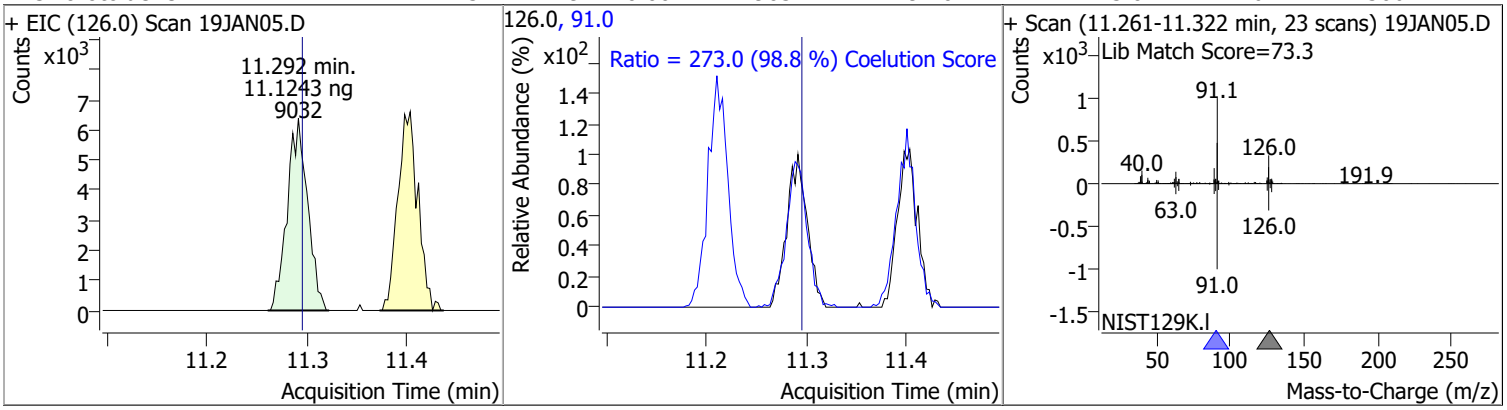
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	12.3034	11.11	0.00	5757	85.0	65.8	33.3	93.3



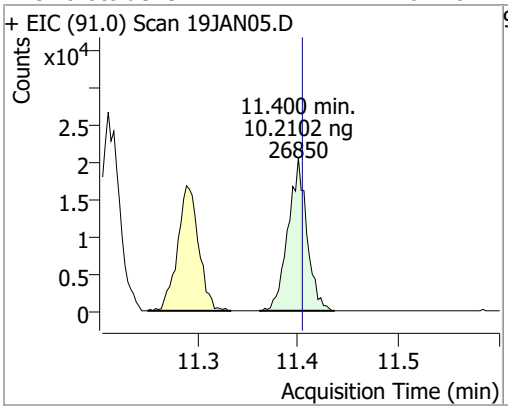
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	12.3825	11.15	-0.01	1522 (m)	112.0	64.8	35.8	95.8

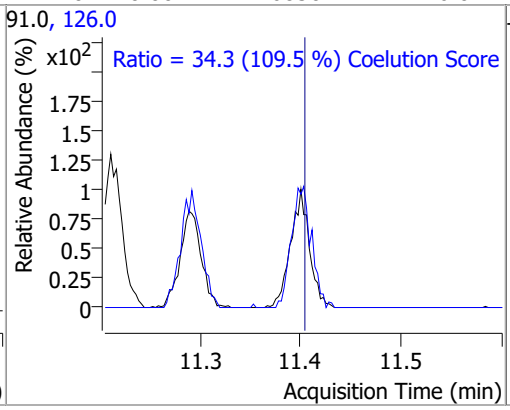


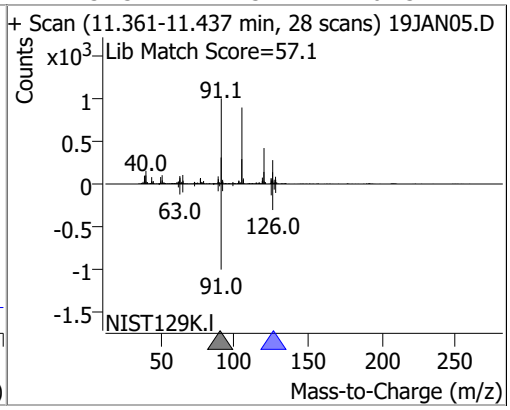
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	11.1243	11.29	0.00	9032	91.0	273.0	246.2	306.2



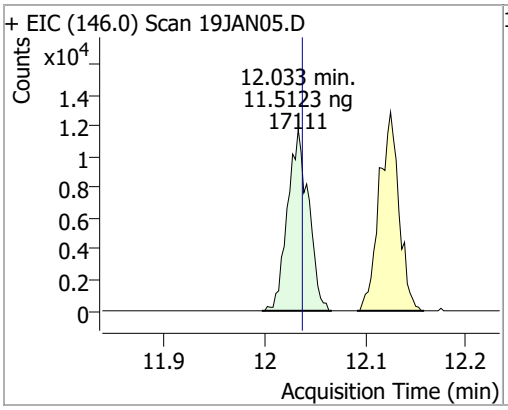
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	10.2102	11.40	0.00	26850	126.0	34.3	1.3	61.3

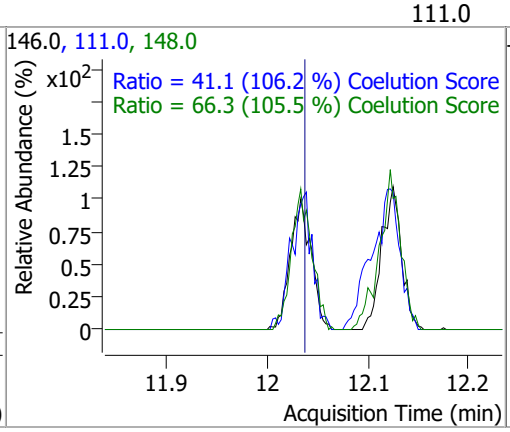


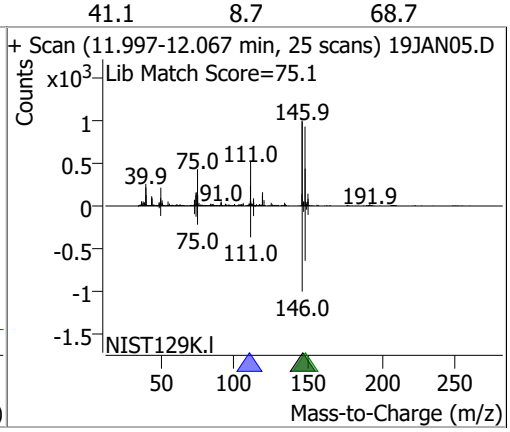




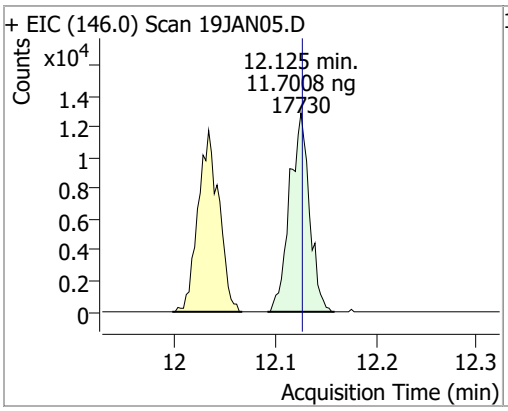
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	11.5123	12.03	0.00	17111	148.0	66.3	32.8	92.8
					111.0	41.1	8.7	68.7

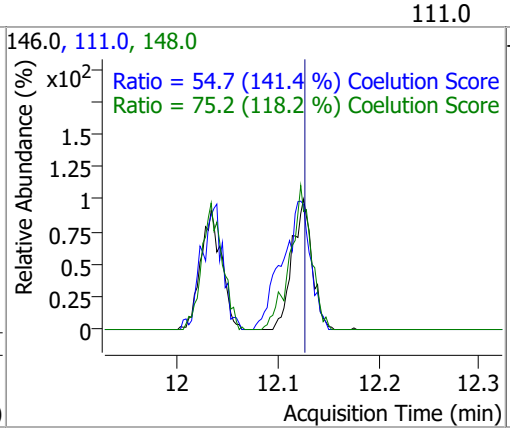


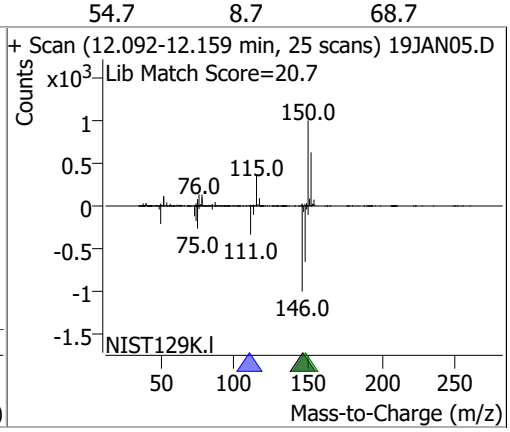




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	11.7008	12.13	0.00	17730	148.0	75.2	33.7	93.7
					111.0	54.7	8.7	68.7

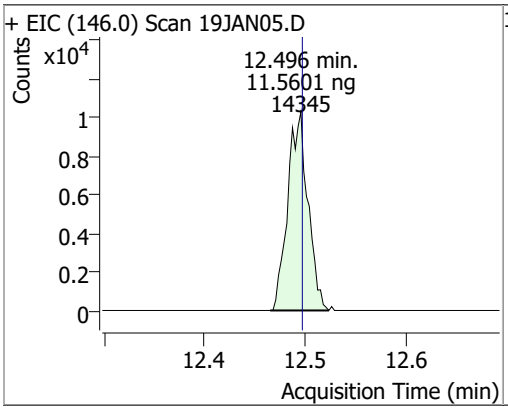


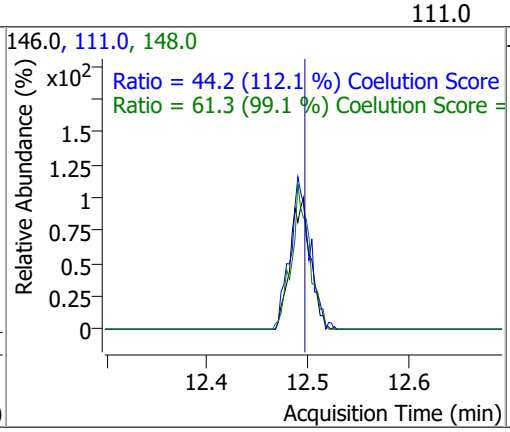


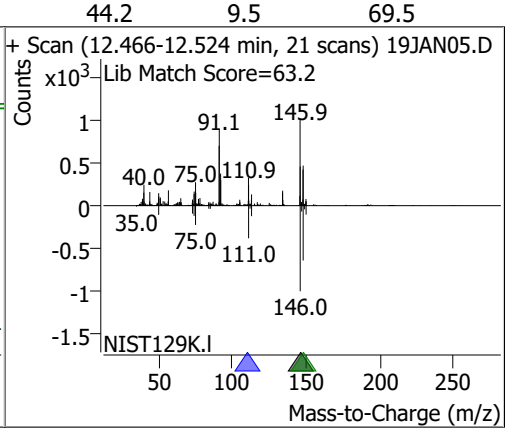


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	11.5601	12.50	0.00	14345	148.0	61.3	31.9	91.9
					111.0	44.2	9.5	69.5

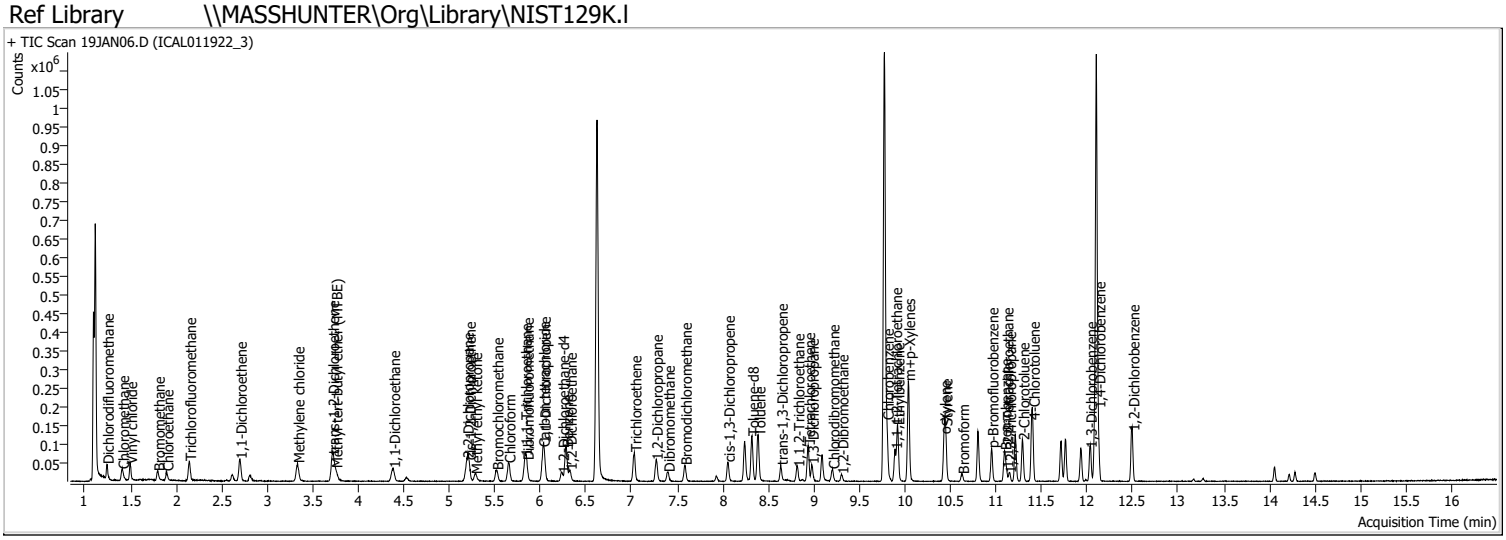






Quantitation Results Report (QT Reviewed)

Data File	19JAN06.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	1/19/2022 11:42:44 AM
Sample Name	ICAL011922_3	Instrument	VOA5975C
Vial	6	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG011922_8260B.batch.bin	Last Calib Update	1/20/2022 9:28:12 AM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

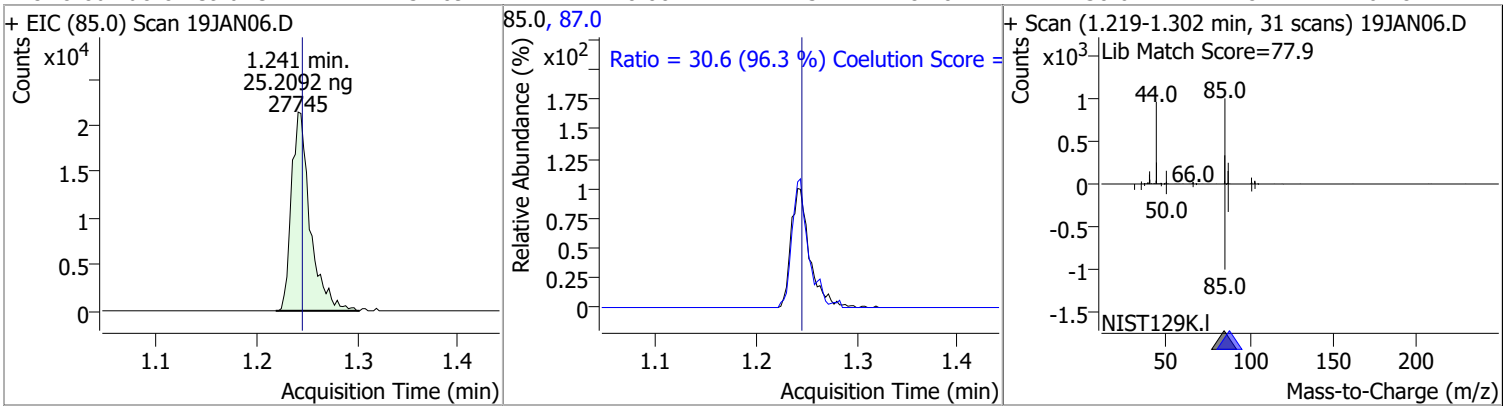


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	818509	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	321094	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	258693	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.851	113.0	19834	25.0179	ng		0.000
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 10.01%		*	
S 1,2-Dichloroethane-d4	6.238	67.0	8619	25.1675	ng		0.008
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 10.07%		*	
S Toluene-d8	8.319	98.0	72066	23.0053	ng		0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 9.20%		*	
S p-Bromofluorobenzene	10.951	95.0	23160	24.2474	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 9.70%		*	
Target Compounds							**QValue**
T Dichlorodifluoromethane	1.241	85.0	27745	25.2092	ng		98
T Chloromethane	1.408	50.0	33801	26.0860	ng		98
T Vinyl chloride	1.498	62.0	30072	25.4969	ng		96
T Bromomethane	1.802	96.0	12135	26.1400	ng		99
T Chloroethane	1.896	64.0	15096	27.0532	ng		98
T Trichlorofluoromethane	2.145	101.0	35936	25.4088	ng		97
T 1,1-Dichloroethene	2.700	96.0	20674	25.1221	ng		99
T Methylene chloride	3.333	49.0	32623	27.2657	ng		99
T trans-1,2-Dichloroethene	3.715	96.0	21348	25.1112	ng		97
T Methyl tert-butyl ether (MTBE)	3.751	73.0	24989	23.5175	ng		96
T 1,1-Dichloroethane	4.384	63.0	40298	25.3277	ng		98
T 2,2-Dichloropropane	5.193	77.0	30539	25.4695	ng		99
T cis-1,2-Dichloroethene	5.215	96.0	20810	24.1758	ng		95
T Methyl ethyl ketone	5.282	43.0	28861	232.0088	ng		100
T Bromochloromethane	5.519	128.0	8977	25.2940	ng		100
T Chloroform	5.647	83.0	38158	24.0194	ng		100

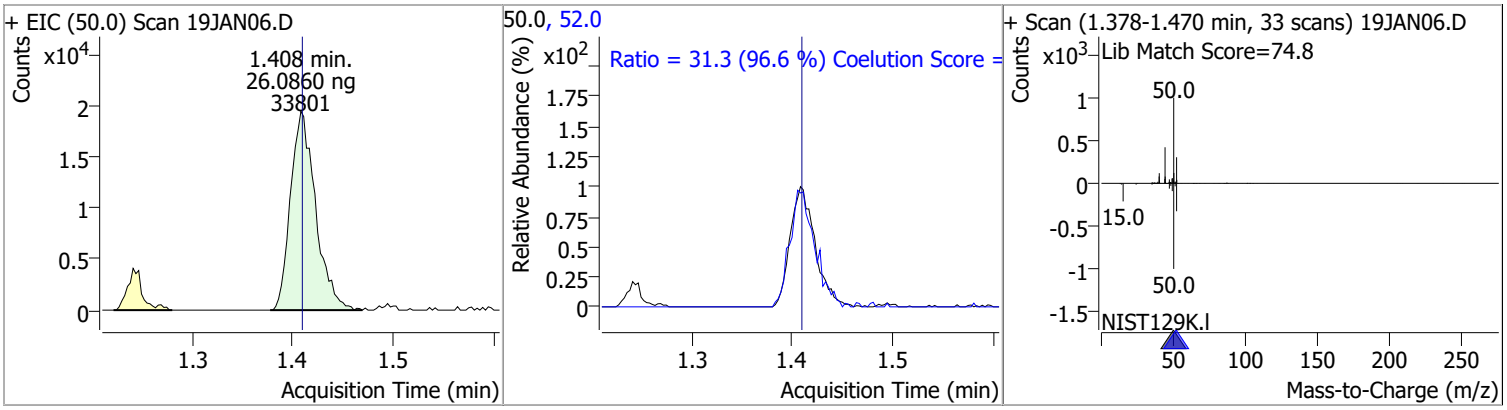
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	5.828	97.0	36046	24.5919	ng	99
T Carbon tetrachloride	6.026	117.0	34965	24.5955	ng	99
T 1,1-Dichloropropene	6.035	75.0	27641	23.2550	ng	96
T Benzene	6.283	78.0	76658	23.4442	ng	97
T 1,2-Dichloroethane	6.322	62.0	21778	24.1139	ng	99
T Trichloroethene	7.030	95.0	23390	24.3322	ng	93
T 1,2-Dichloropropane	7.267	63.0	20331	24.0555	ng	97
T Dibromomethane	7.398	93.0	9095	25.5304	ng	100
T Bromodichloromethane	7.585	83.0	24925	24.8816	ng	100
T cis-1,3-Dichloropropene	8.057	75.0	24965	22.7111	ng	92
T Toluene	8.391	92.0	48441	23.1991	ng	99
T trans-1,3-Dichloropropene	8.637	75.0	18613	23.2136	ng	95
T 1,1,2-Trichloroethane	8.821	83.0	9780	23.9876	ng	92
T Tetrachloroethene	8.938	163.8	21156	24.9859	ng	96
T 1,3-Dichloropropane	8.977	76.0	20205	24.4891	ng	93
T Chlorodibromomethane	9.205	129.0	15826	24.1020	ng	100
T 1,2-Dibromoethane	9.303	107.0	11412	25.3431	ng	99
T Chlorobenzene	9.802	112.0	55632	24.3040	ng	98
T 1,1,1,2-Tetrachloroethane	9.891	131.0	19516	24.2998	ng	100
T Ethylbenzene	9.917	91.0	91590	24.0921	ng	99
T m+p-Xylenes	10.036	106.0	71705	47.5617	ng	98
T o-Xylene	10.427	106.0	30498	23.3834	ng	99
T Styrene	10.446	104.0	50294	23.2215	ng	98
T Bromoform	10.628	172.5	8920	25.7324	ng	96
T Bromobenzene	11.093	156.0	20364	24.1762	ng	99
T 1,1,2,2-Tetrachloroethane	11.116	83.0	12137	25.2618	ng	99
T 1,2,3-Trichloropropane	11.144	110.0	3237	25.6435	ng	98
T 2-Chlorotoluene	11.291	126.0	20511	24.6038	ng	95
T 4-Chlorotoluene	11.403	91.0	64162	23.7626	ng	97
T 1,3-Dichlorobenzene	12.028	146.0	37763	24.7445	ng	98
T 1,4-Dichlorobenzene	12.122	146.0	38799	24.9375	ng	90
T 1,2-Dichlorobenzene	12.496	146.0	31975	25.0956	ng	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

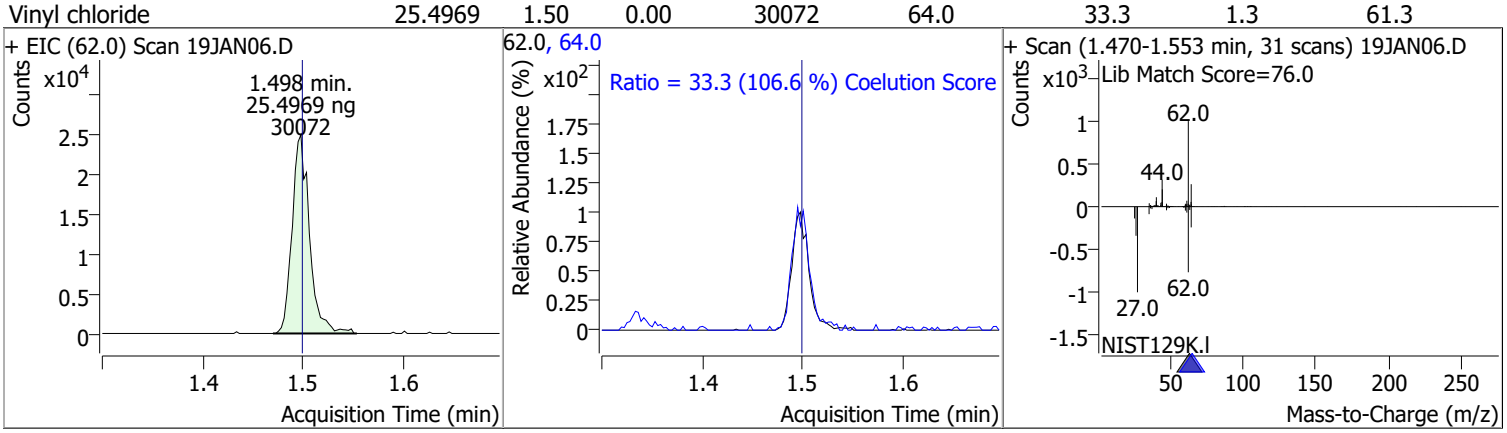
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	25.2092	1.24	0.00	27745	87.0	30.6	1.8	61.8



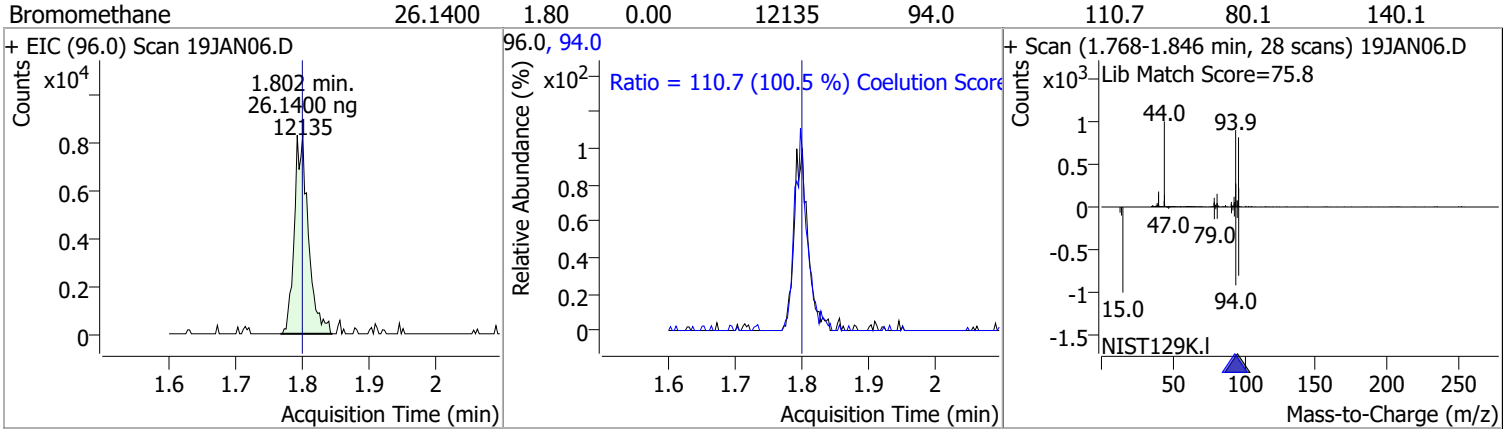
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	26.0860	1.41	0.00	33801	52.0	31.3	2.4	62.4



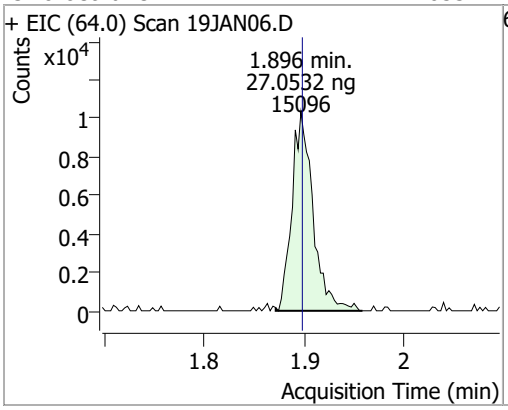
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	25.4969	1.50	0.00	30072	64.0	33.3	1.3	61.3

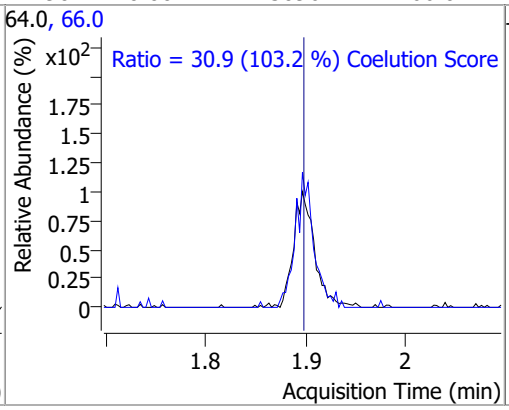


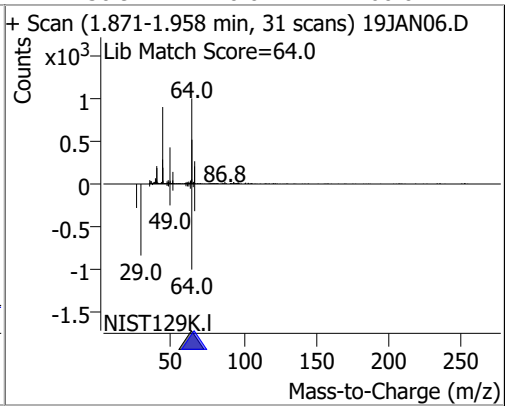
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	26.1400	1.80	0.00	12135	94.0	110.7	80.1	140.1



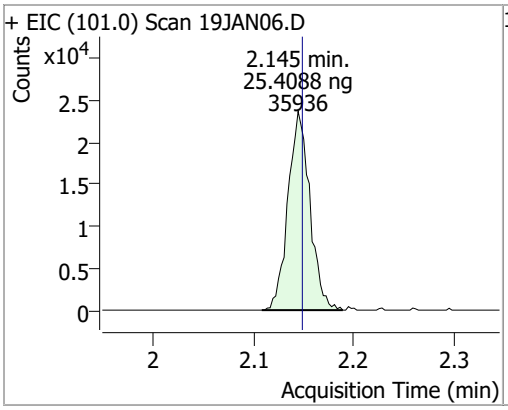
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	27.0532	1.90	0.00	15096	66.0	30.9	0.0	60.0

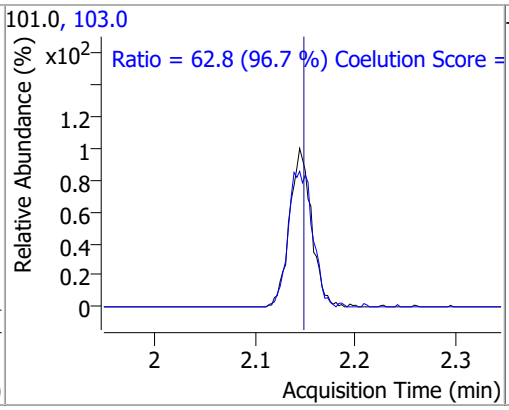


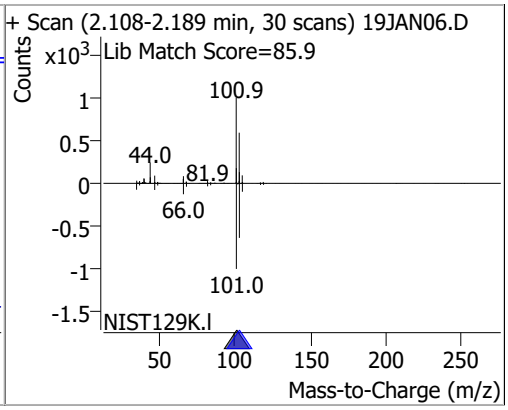




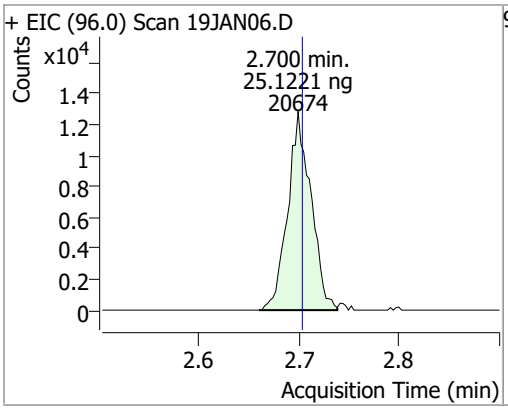
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	25.4088	2.14	0.00	35936	103.0	62.8	35.0	95.0

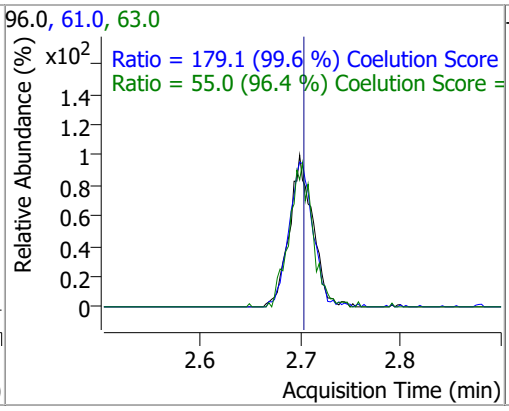


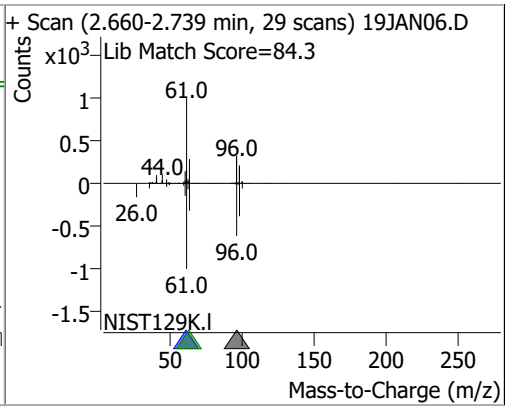




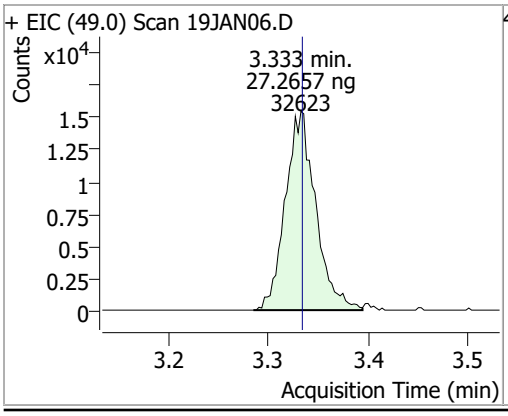
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	25.1221	2.70	0.00	20674	61.0	179.1	149.9	209.9
					63.0	55.0	27.0	87.0

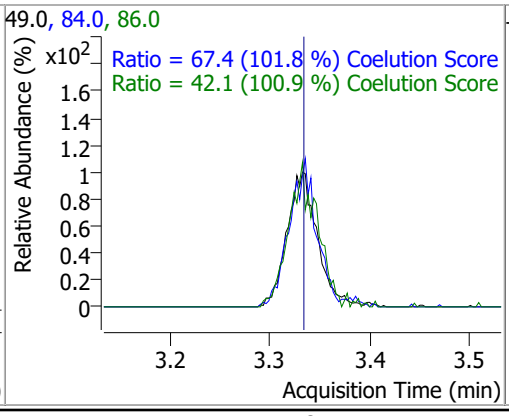


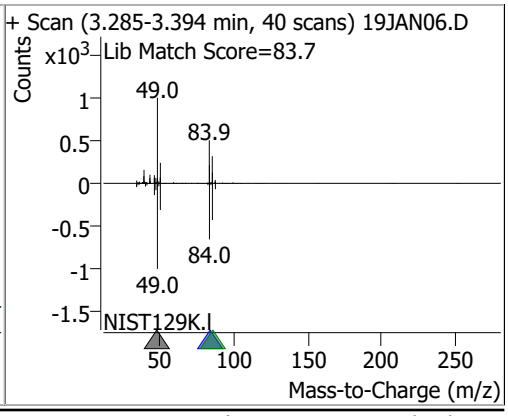




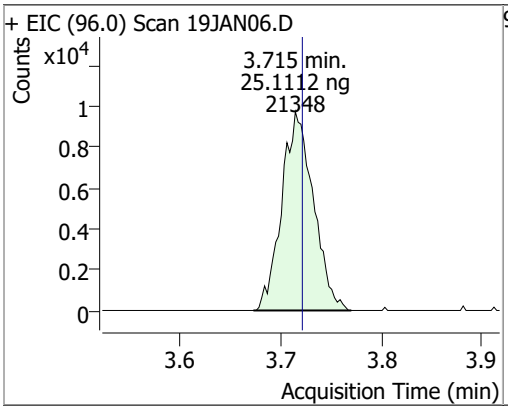
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	27.2657	3.33	0.00	32623	84.0	67.4	36.1	96.1
					86.0	42.1	11.8	71.8

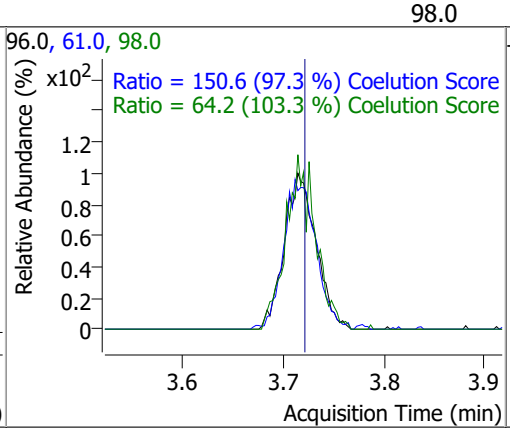


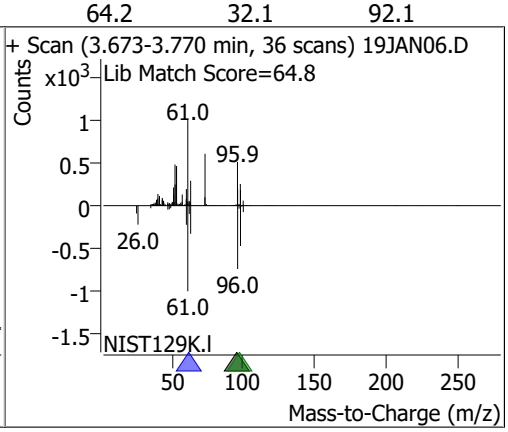




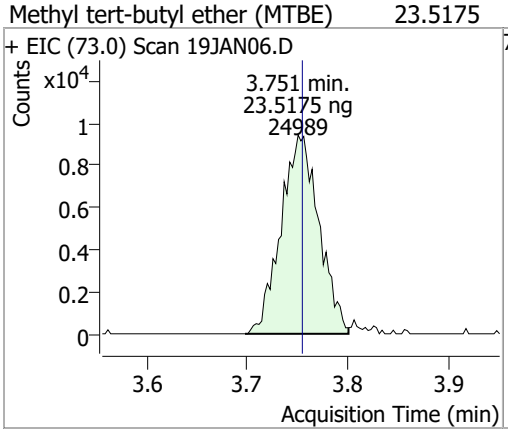
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	25.1112	3.71	-0.01	21348	61.0	150.6	124.8	184.8
					98.0	64.2	32.1	92.1

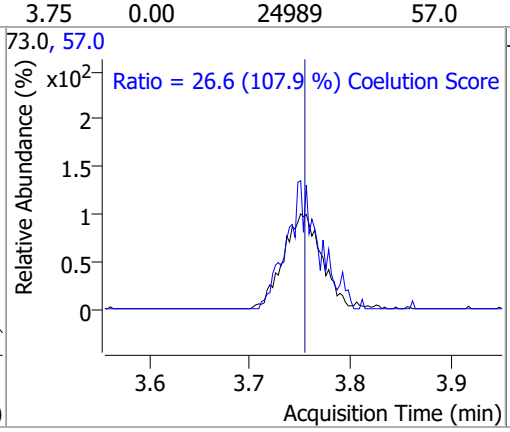


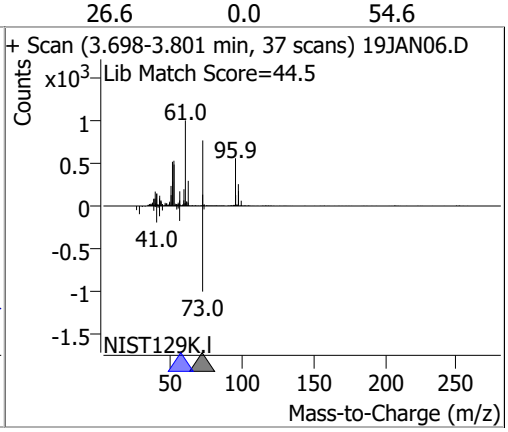




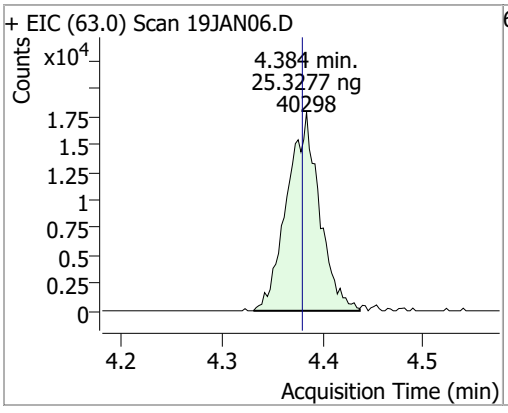
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	23.5175	3.75	0.00	24989	57.0	26.6	0.0	54.6

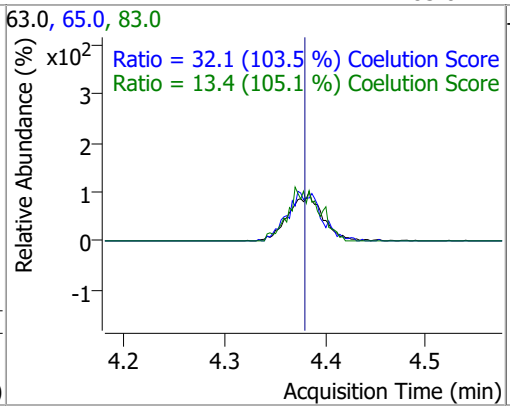


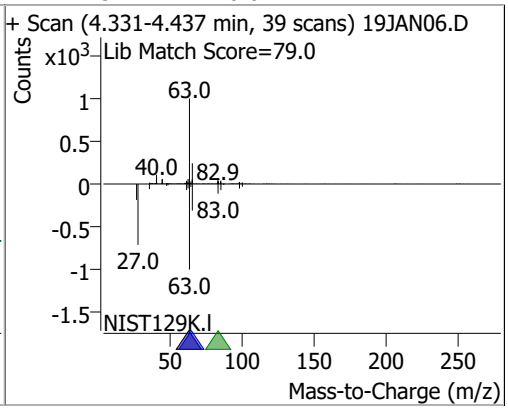




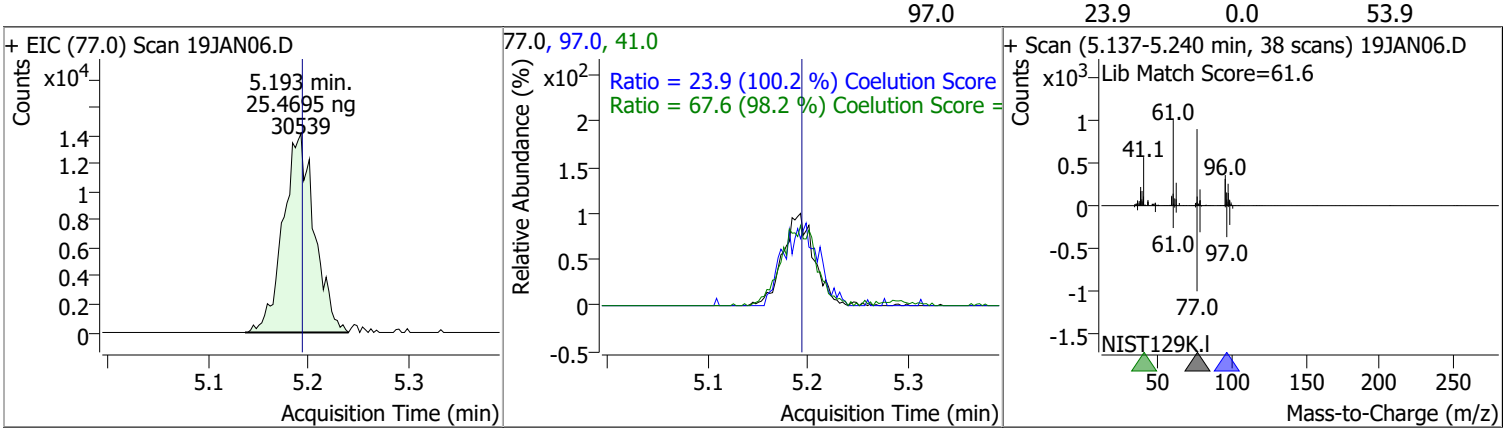
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	25.3277	4.38	0.01	40298	65.0	32.1	1.0	61.0
					83.0	13.4	0.0	42.7



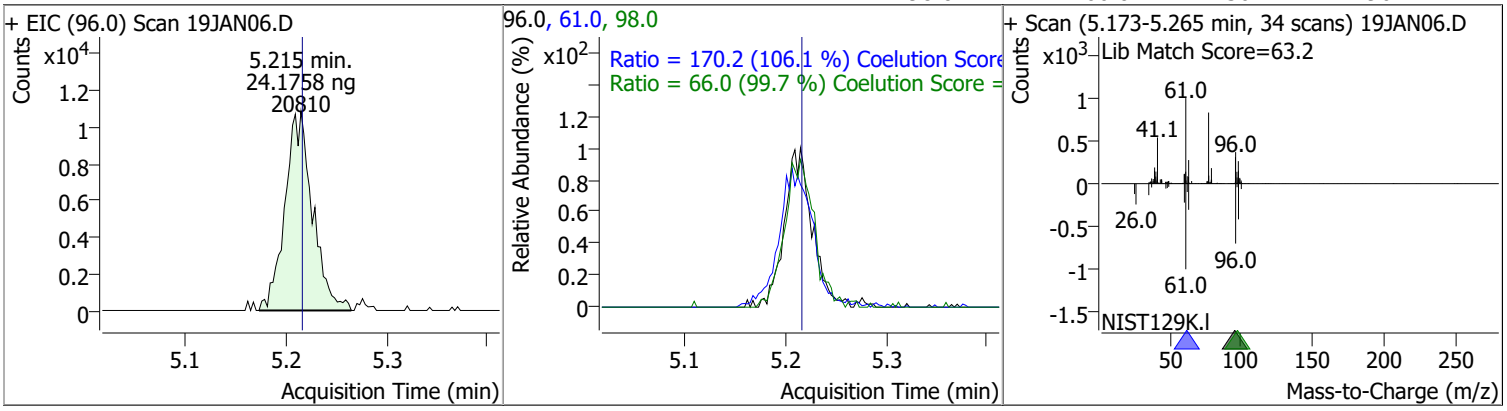




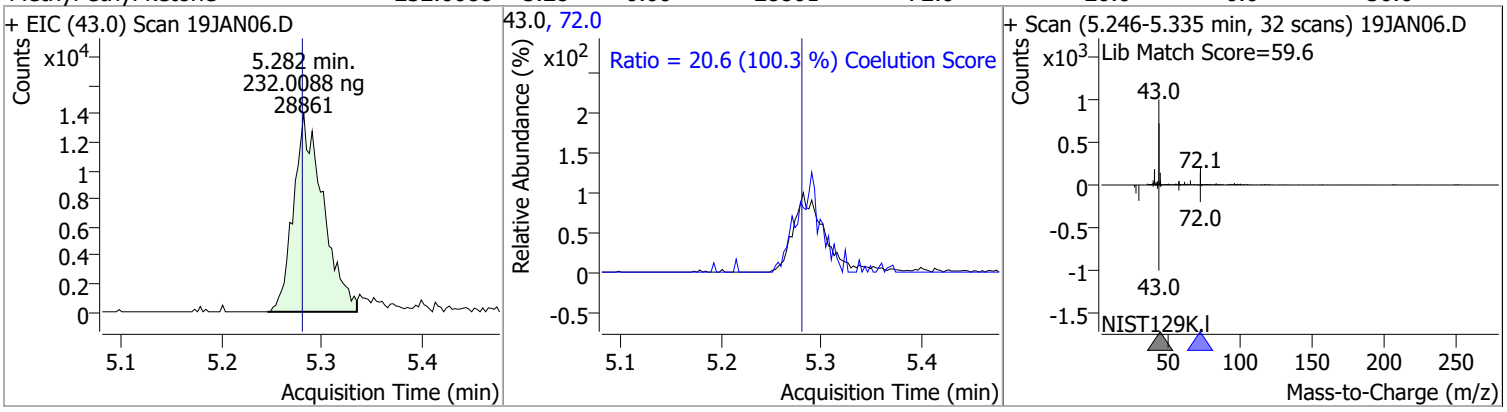
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	25.4695	5.19	0.00	30539	41.0	67.6	38.8	98.8
					97.0	23.9	0.0	53.9



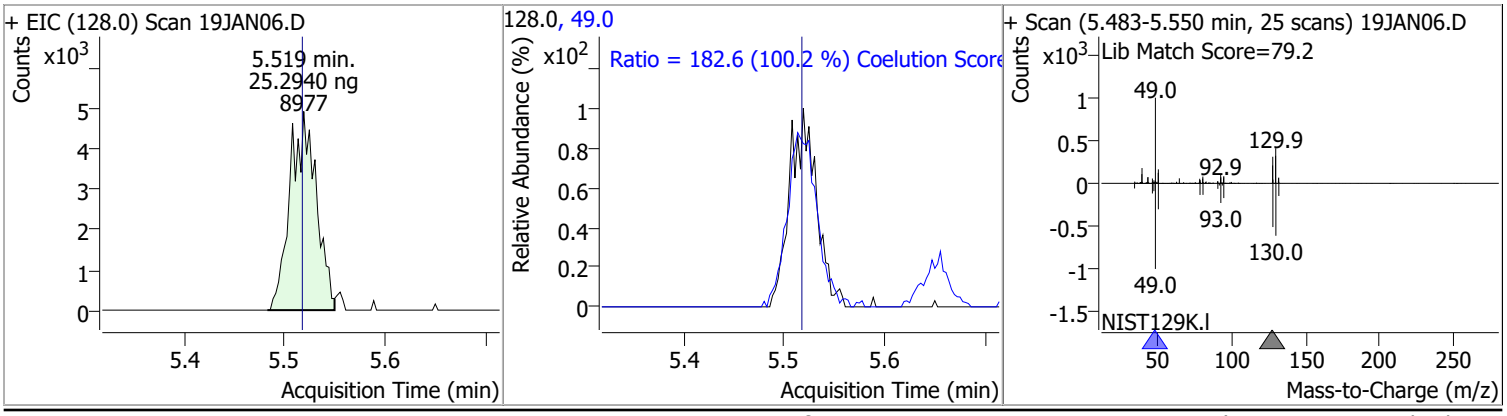
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	24.1758	5.21	0.00	20810	61.0	170.2	130.4	190.4
					98.0	66.0	36.2	96.2



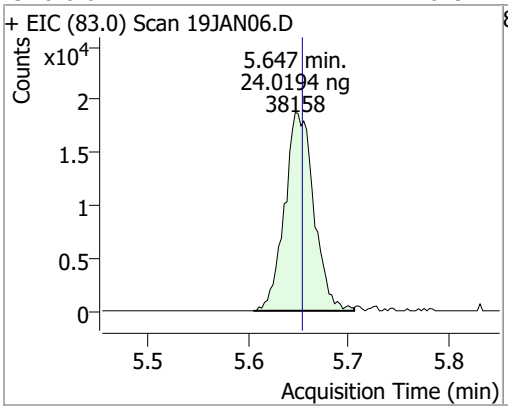
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	232.0088	5.28	0.00	28861	72.0	20.6	0.0	50.6

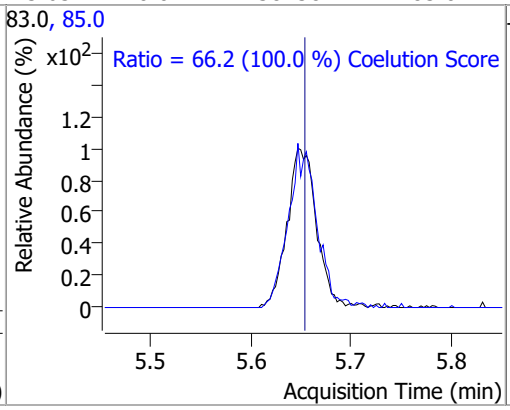


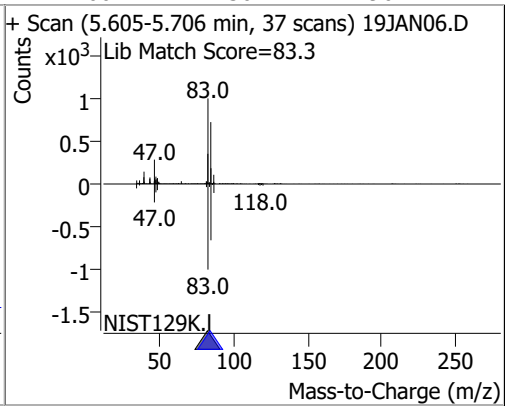
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	25.2940	5.52	0.00	8977	49.0	182.6	152.2	212.2



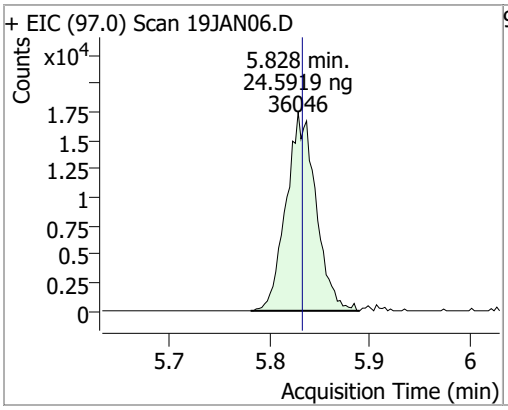
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	24.0194	5.65	-0.01	38158	85.0	66.2	36.2	96.2

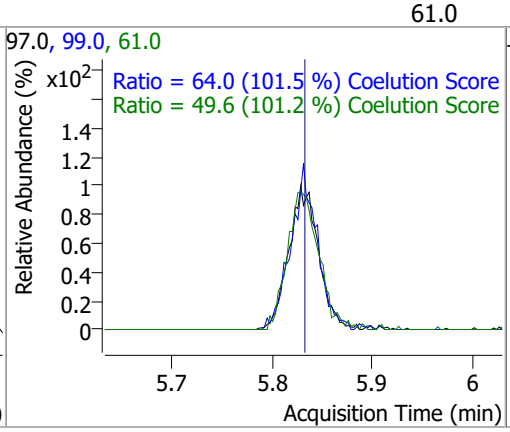


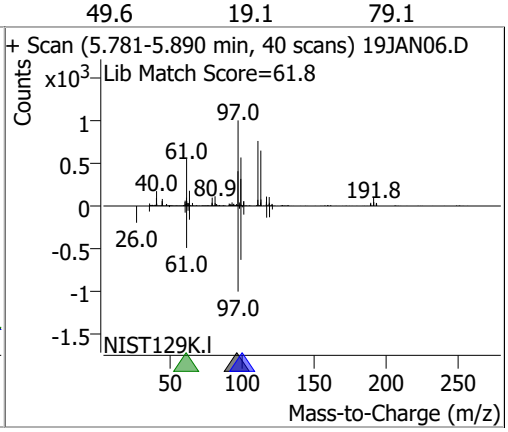




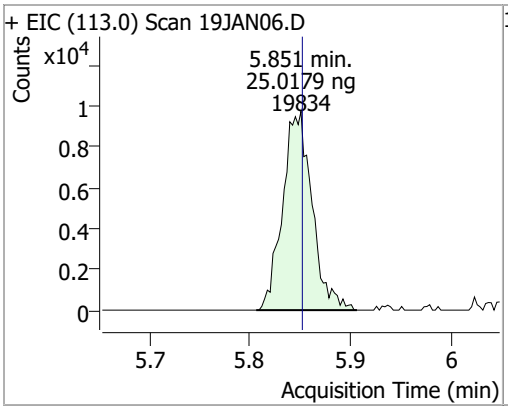
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	24.5919	5.83	0.00	36046	99.0	64.0	33.1	93.1
					61.0	49.6	19.1	79.1

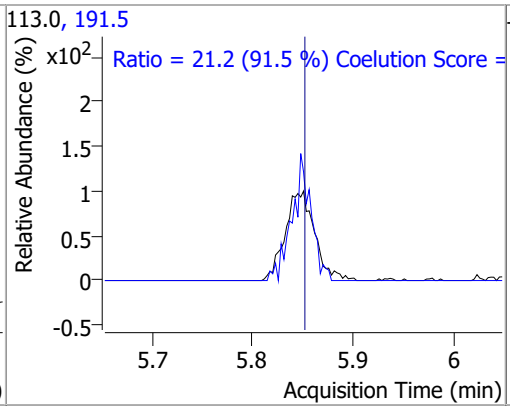


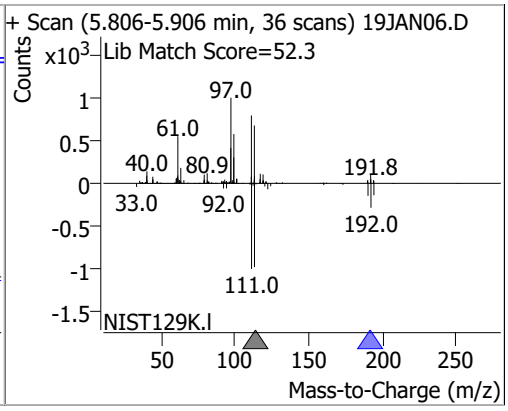




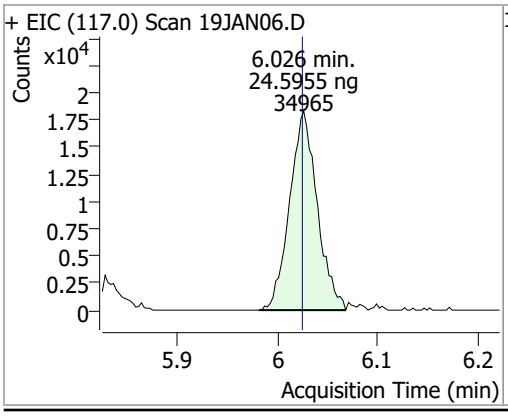
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	25.0179	5.85	0.00	19834	191.5	21.2	0.0	53.2

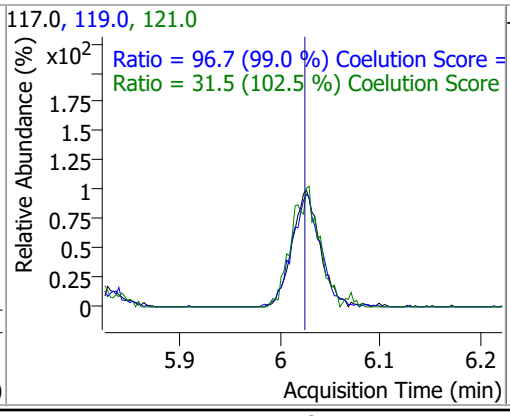


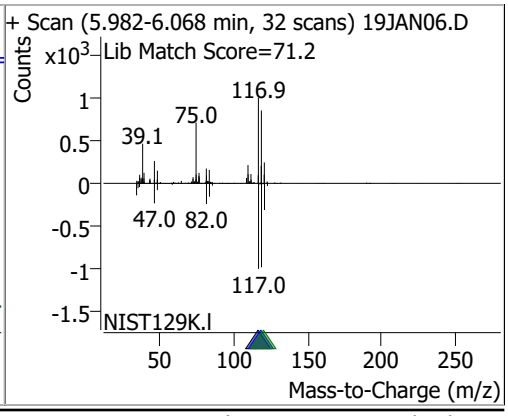




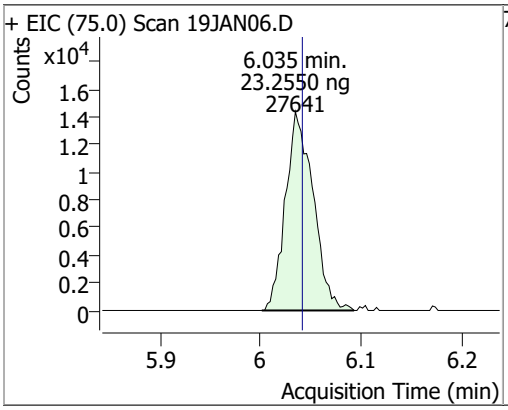
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	24.5955	6.03	0.00	34965	119.0	96.7	67.6	127.6
					121.0	31.5	0.7	60.7

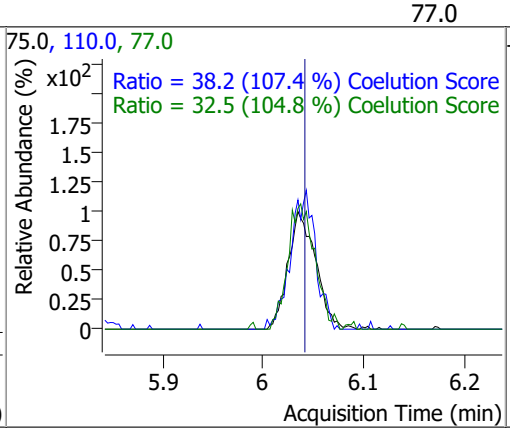


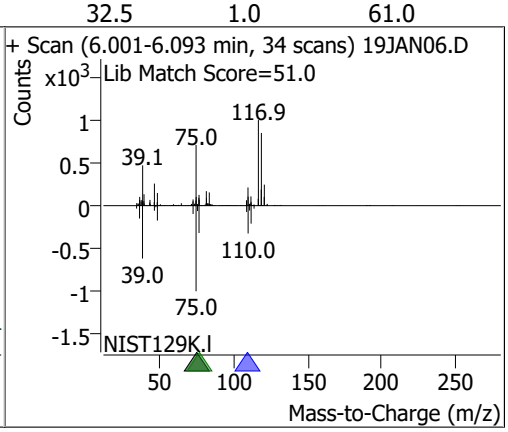




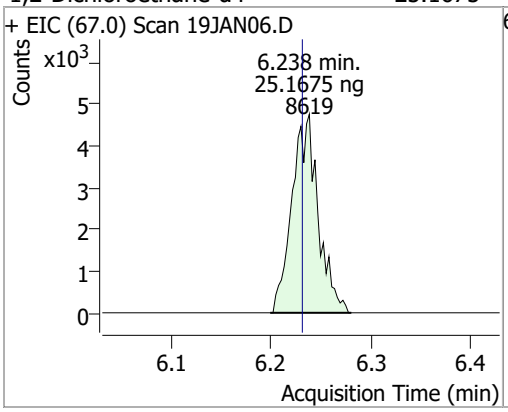
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	23.2550	6.03	-0.01	27641	110.0	38.2	5.6	65.6
					77.0	32.5	1.0	61.0

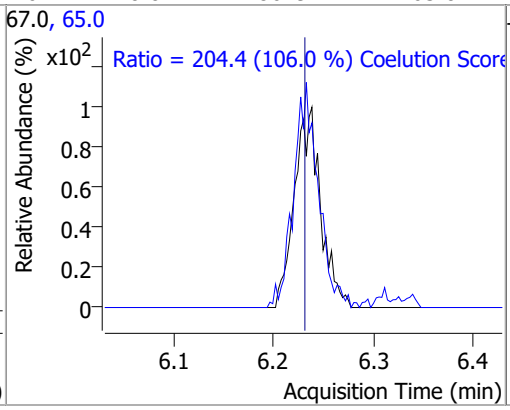


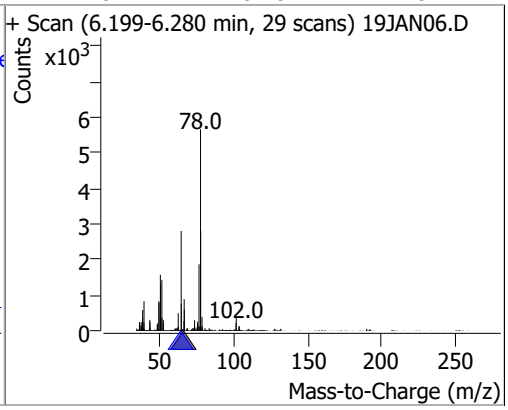




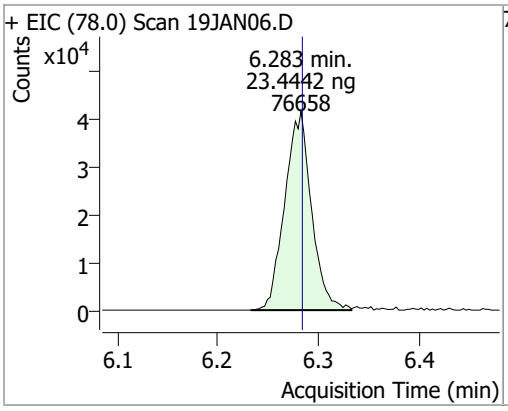
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	25.1675	6.24	0.01	8619	65.0	204.4	162.8	222.8

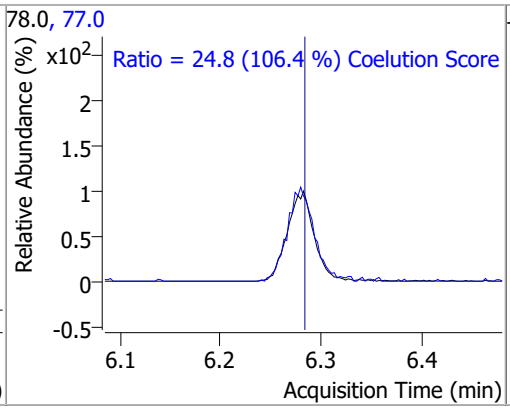


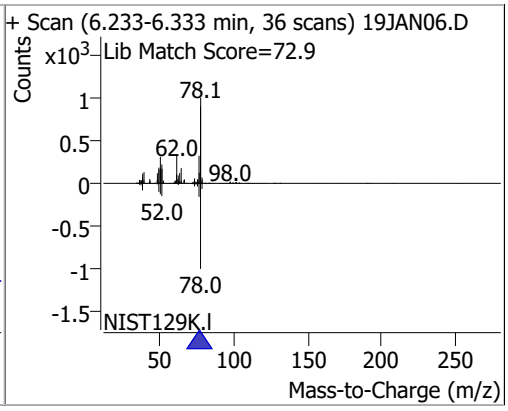




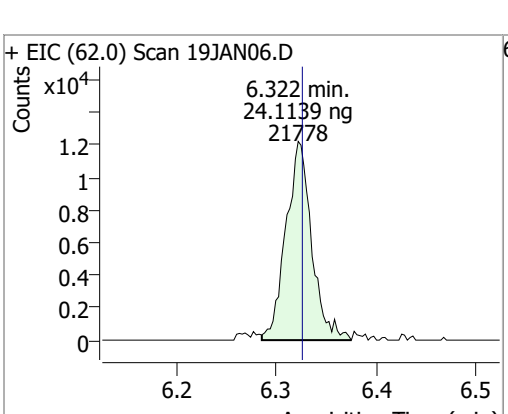
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	23.4442	6.28	0.00	76658	77.0	24.8	0.0	53.3

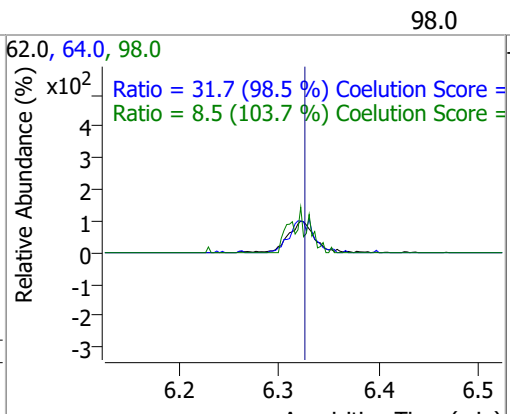


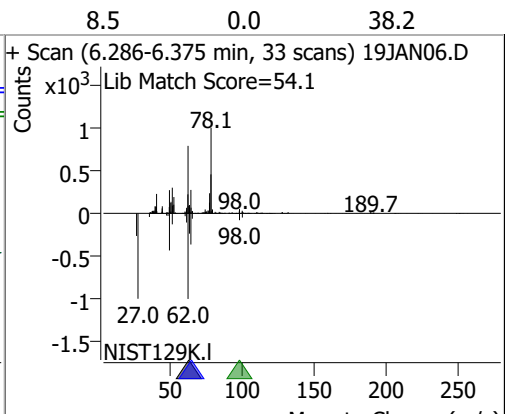




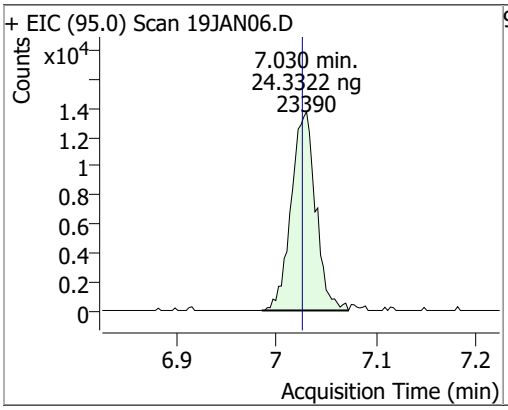
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	24.1139	6.32	0.00	21778	64.0	31.7	2.2	62.2
					98.0	8.5	0.0	38.2

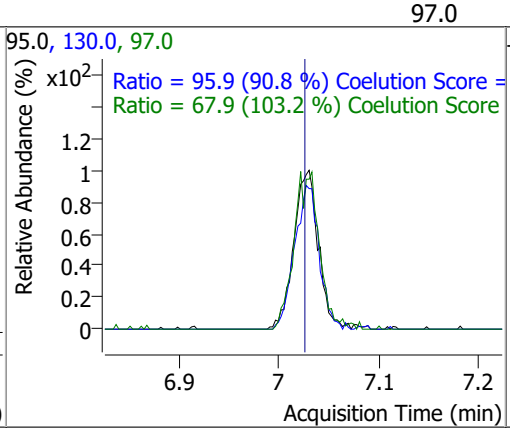


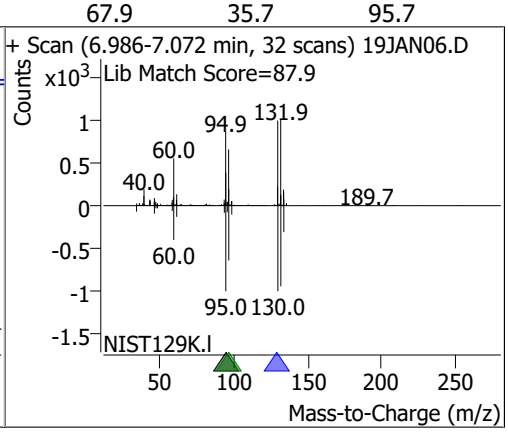




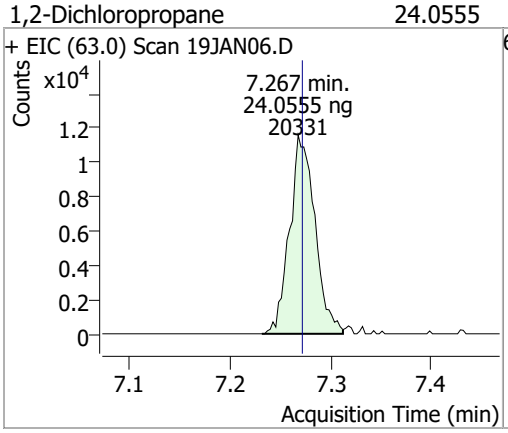
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	24.3322	7.03	0.01	23390	130.0	95.9	75.6	135.6
					97.0	67.9	35.7	95.7

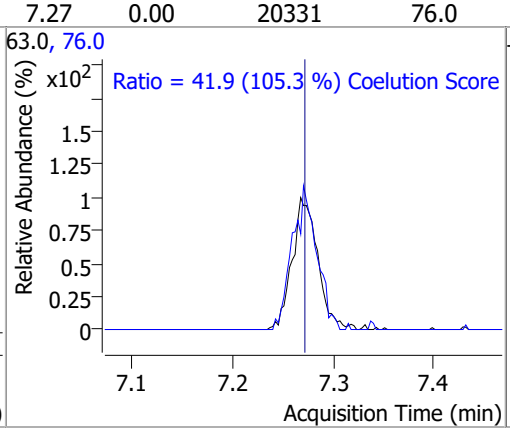


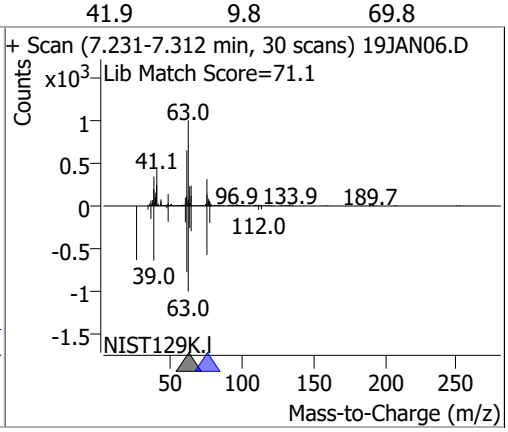




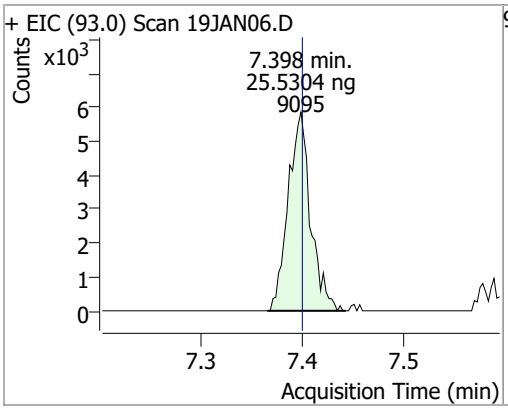
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	24.0555	7.27	0.00	20331	76.0	41.9	9.8	69.8

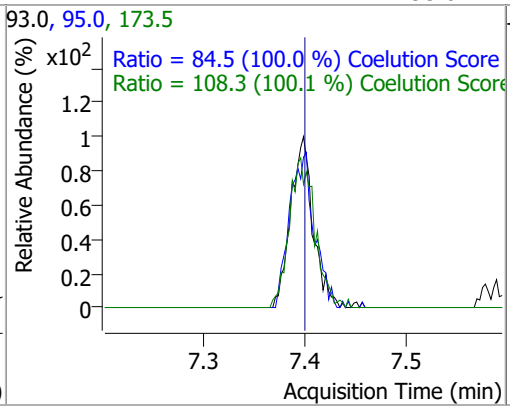


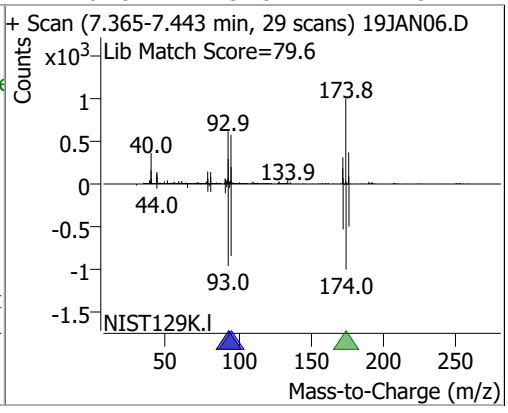




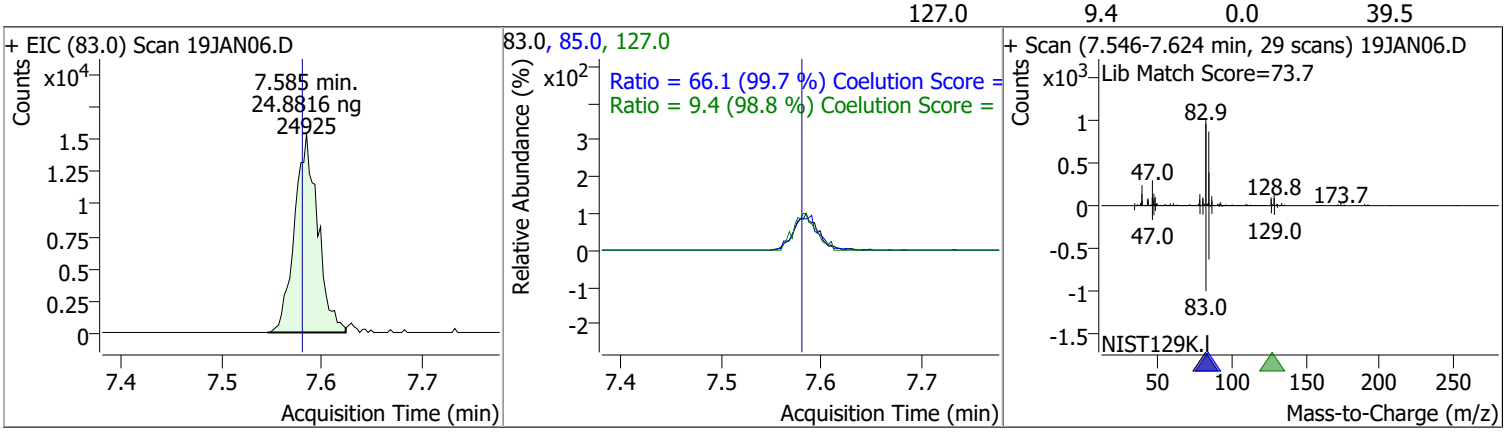
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	25.5304	7.40	0.00	9095	173.5	108.3	78.2	138.2
					95.0	84.5	54.5	114.5



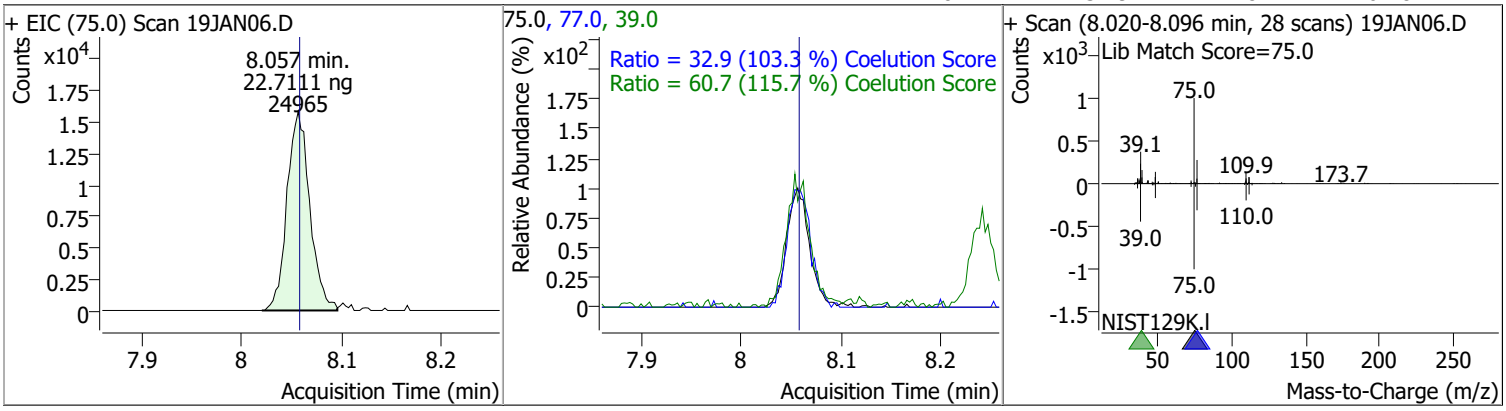




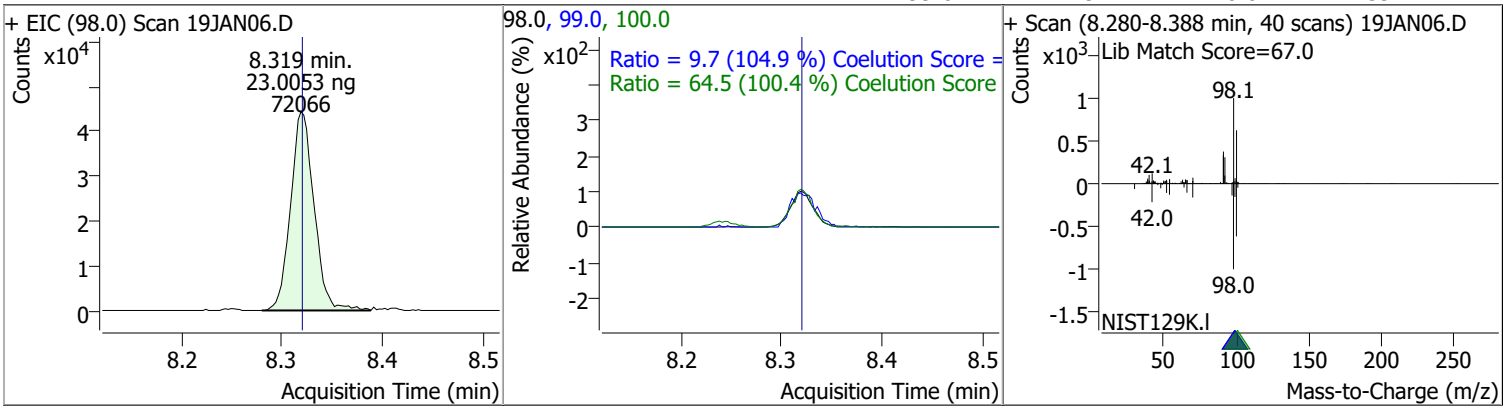
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	24.8816	7.59	0.01	24925	85.0	66.1	36.3	96.3
					127.0	9.4	0.0	39.5



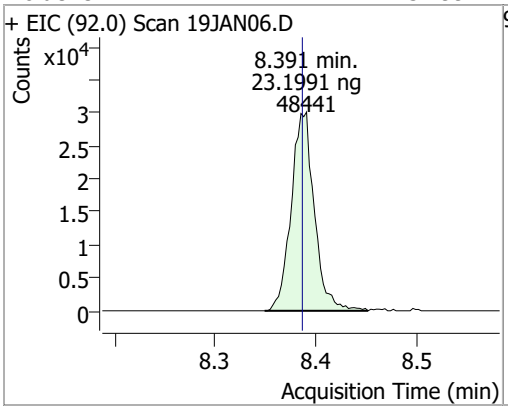
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	22.7111	8.06	0.00	24965	39.0	60.7	22.5	82.5
					77.0	32.9	1.8	61.8

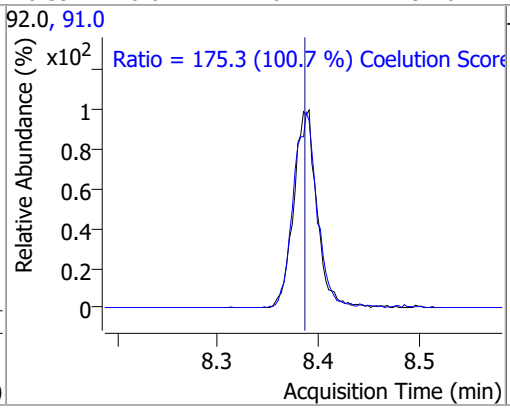


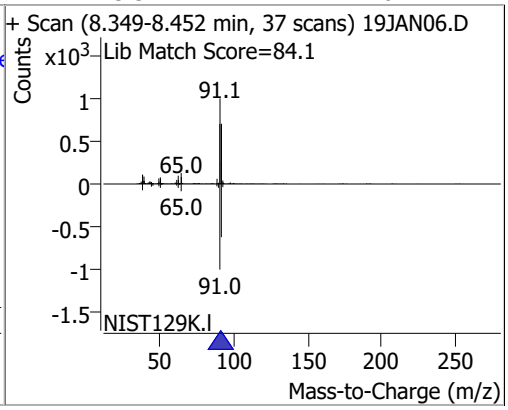
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	23.0053	8.32	0.00	72066	100.0	64.5	34.3	94.3
					99.0	9.7	0.0	39.2



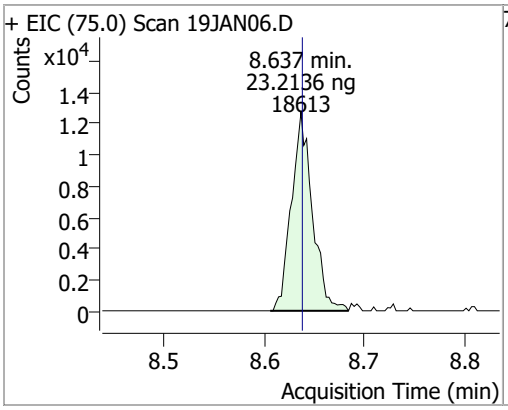
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	23.1991	8.39	0.01	48441	91.0	175.3	144.1	204.1

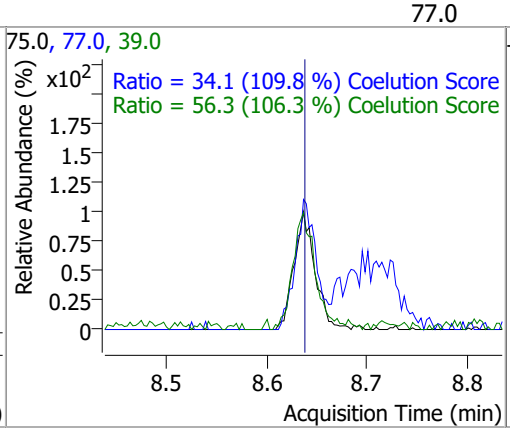


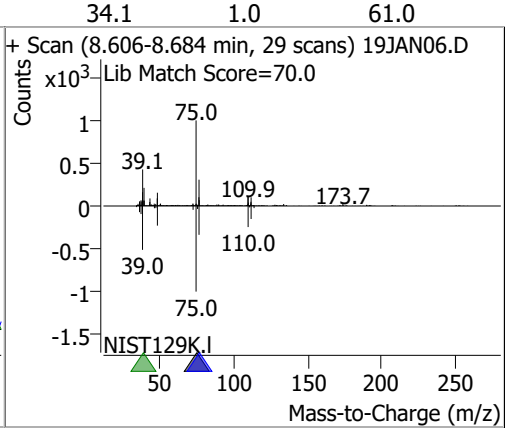




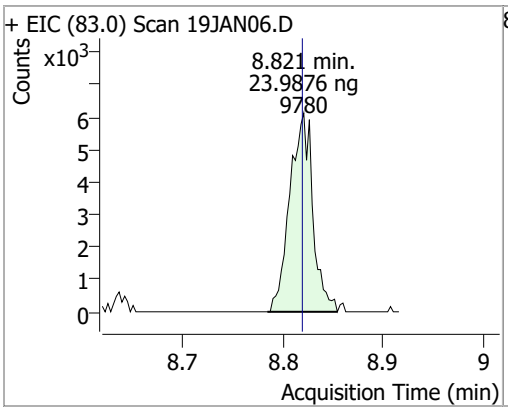
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	23.2136	8.64	0.00	18613	39.0	56.3	23.0	83.0
					77.0	34.1	1.0	61.0

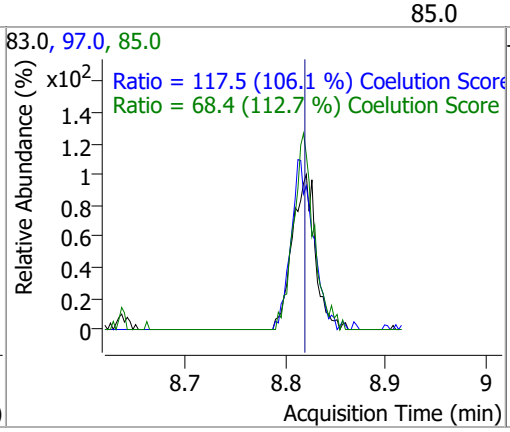


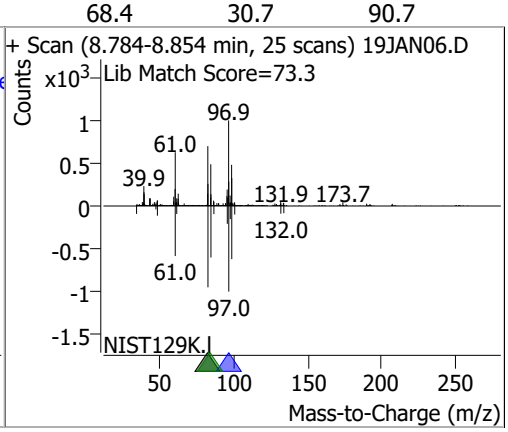




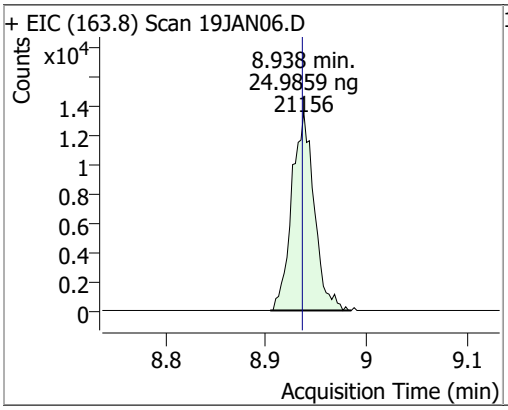
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	23.9876	8.82	0.00	9780	97.0	117.5	80.7	140.7
					85.0	68.4	30.7	90.7

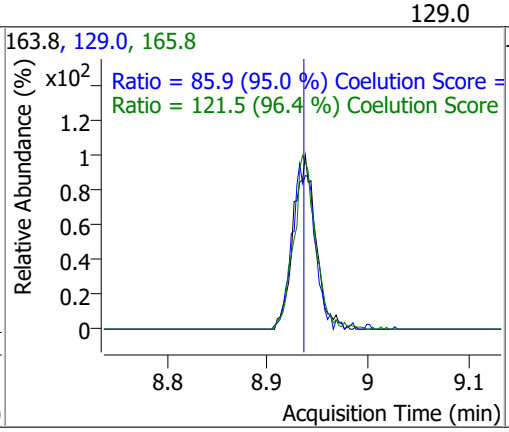


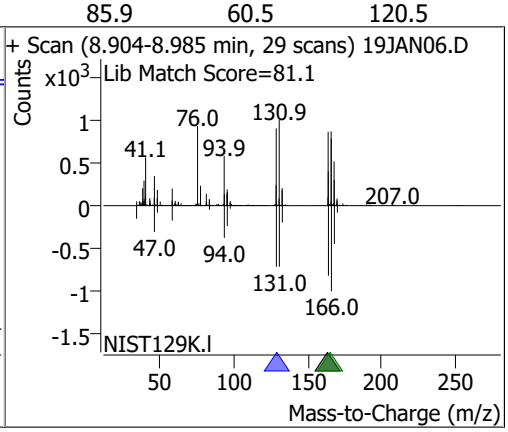




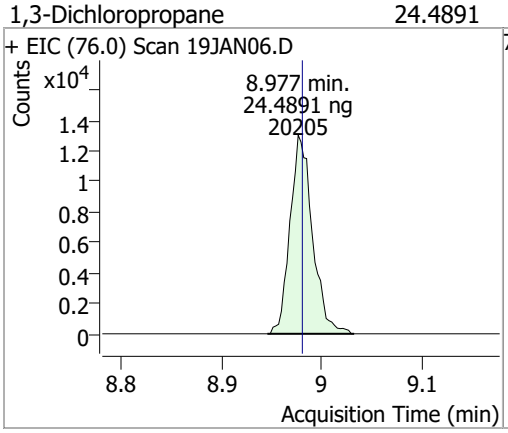
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	24.9859	8.94	0.00	21156	165.8	121.5	96.1	156.1
					129.0	85.9	60.5	120.5

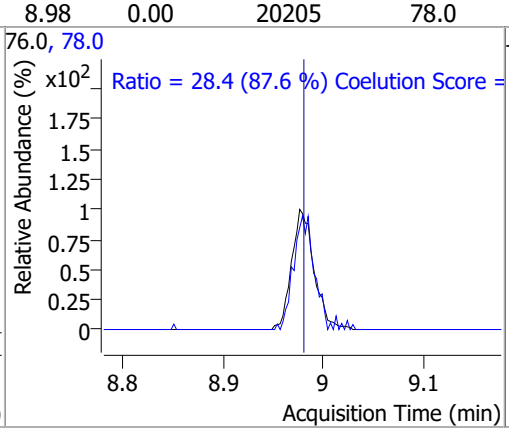


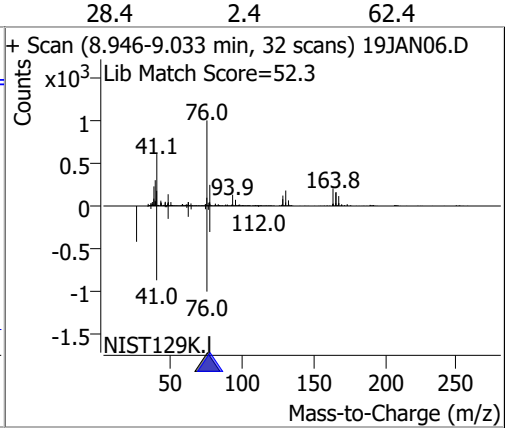




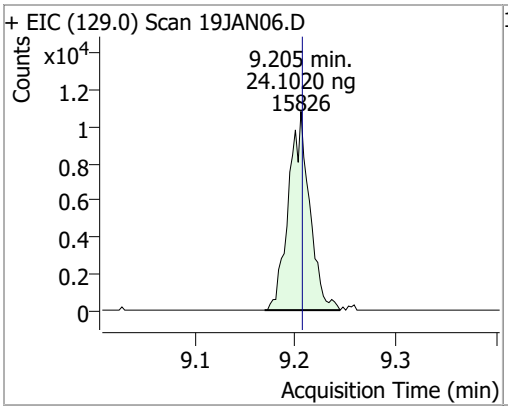
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	24.4891	8.98	0.00	20205	78.0	28.4	2.4	62.4

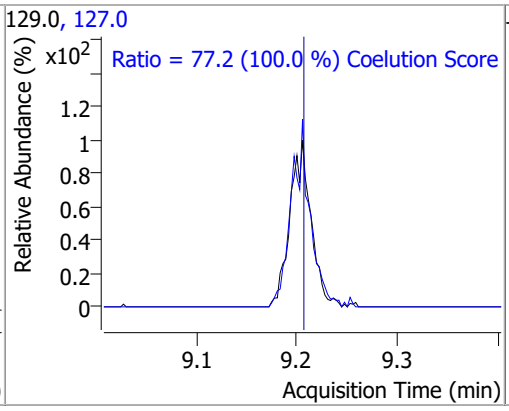


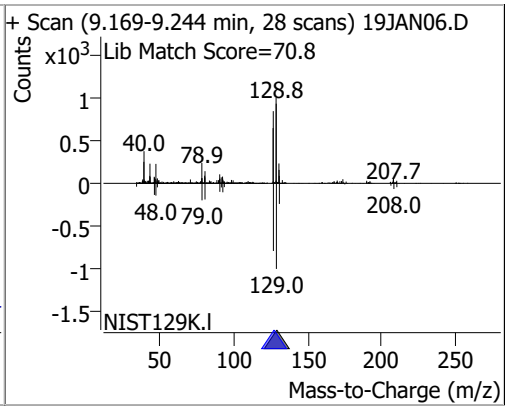




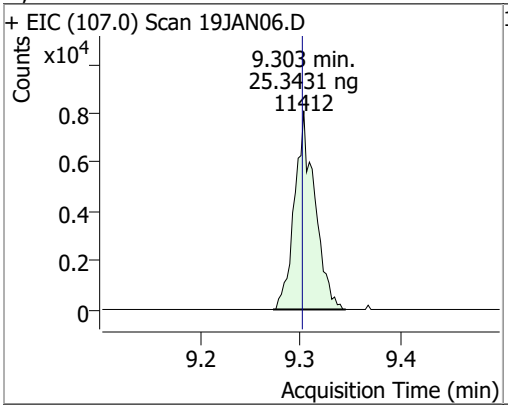
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	24.1020	9.21	0.00	15826	127.0	77.2	47.2	107.2

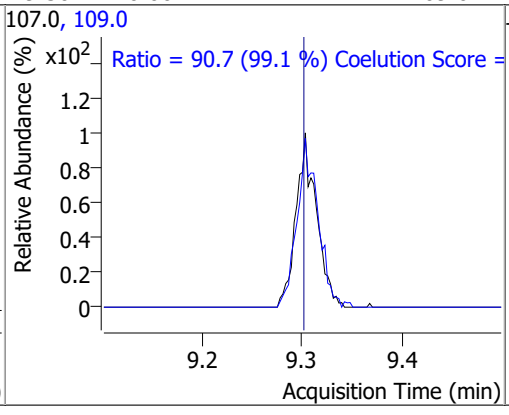


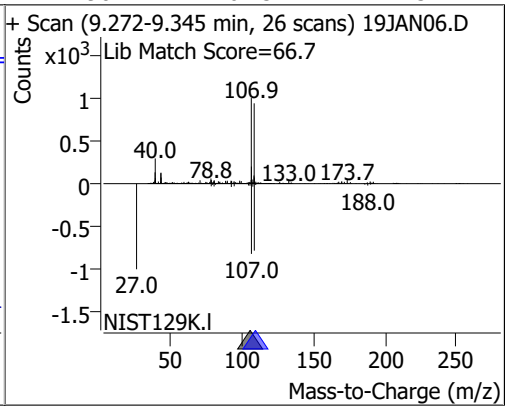




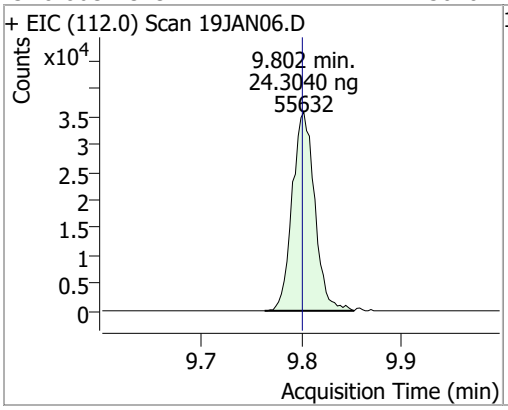
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	25.3431	9.30	0.00	11412	109.0	90.7	61.5	121.5

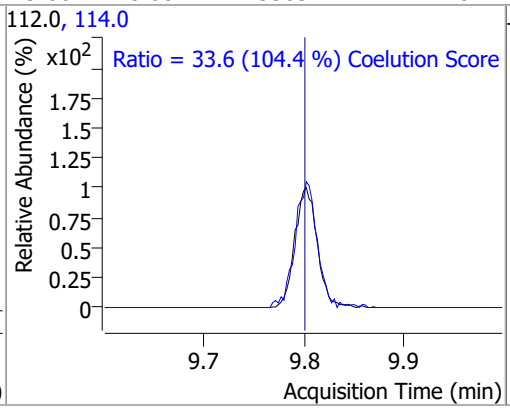


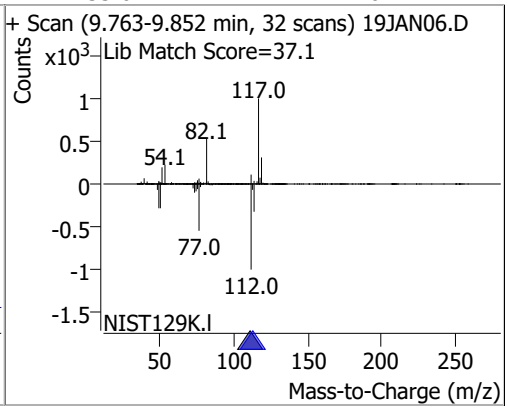




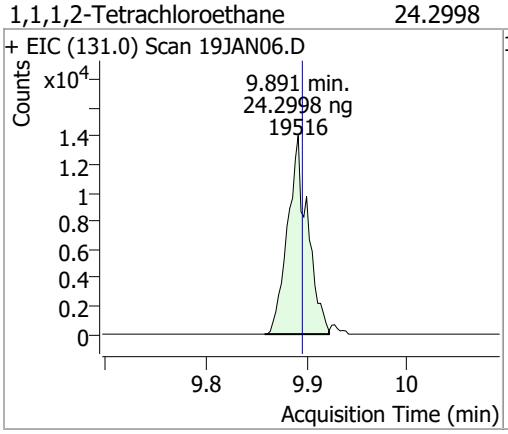
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	24.3040	9.80	0.00	55632	114.0	33.6	2.2	62.2

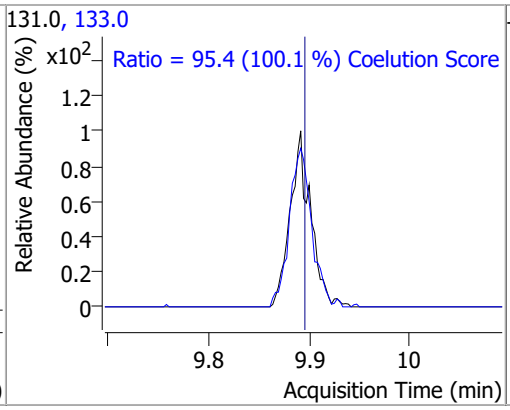


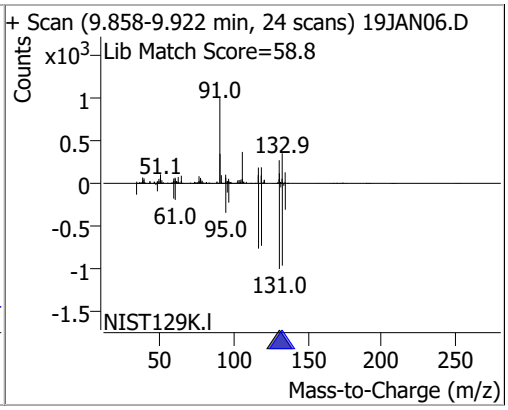




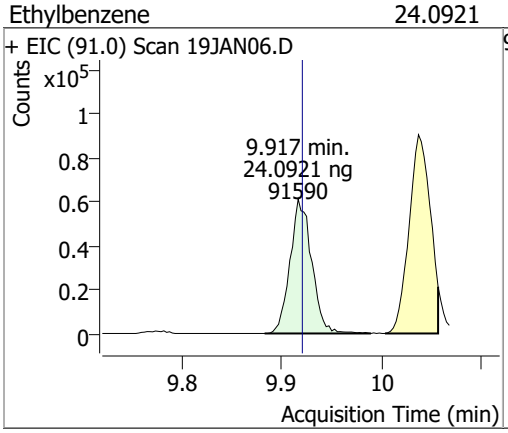
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	24.2998	9.89	0.00	19516	133.0	95.4	65.3	125.3

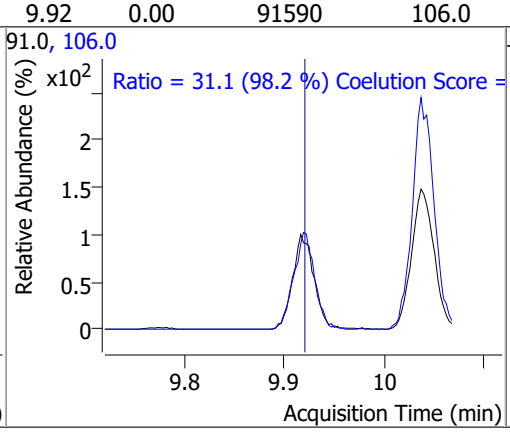


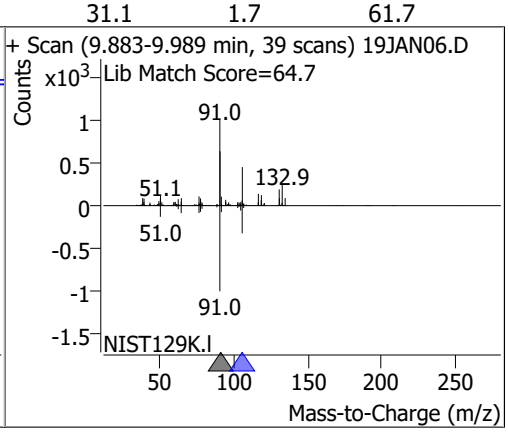




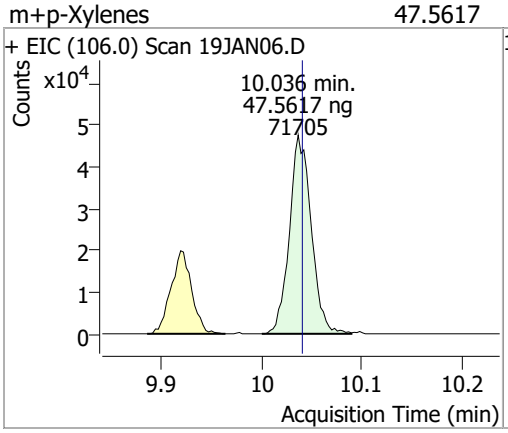
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	24.0921	9.92	0.00	91590	106.0	31.1	1.7	61.7

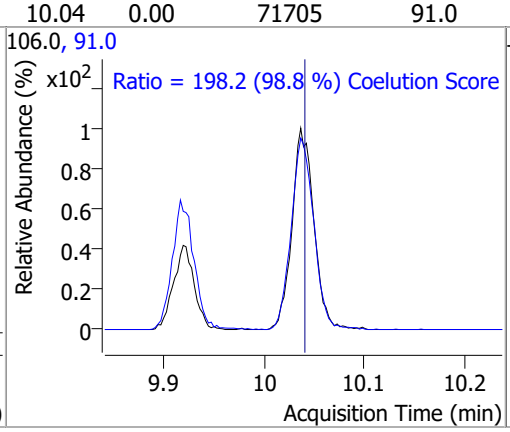


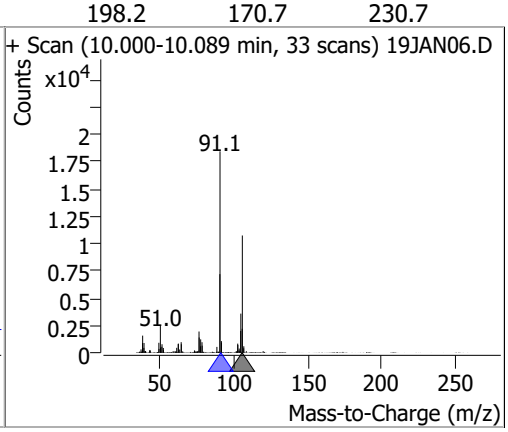




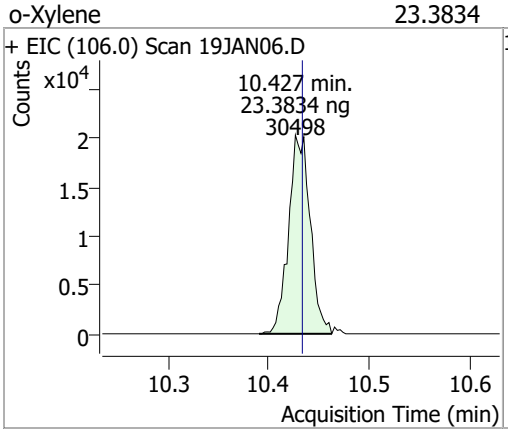
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	47.5617	10.04	0.00	71705	91.0	198.2	170.7	230.7

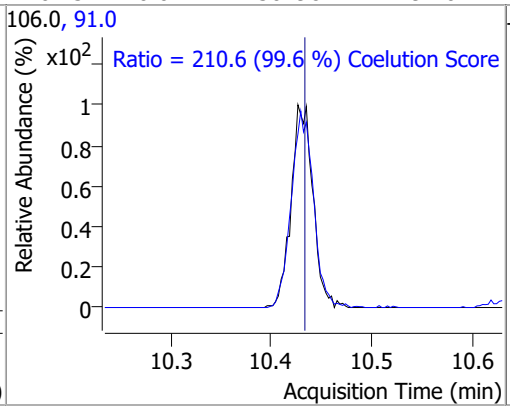


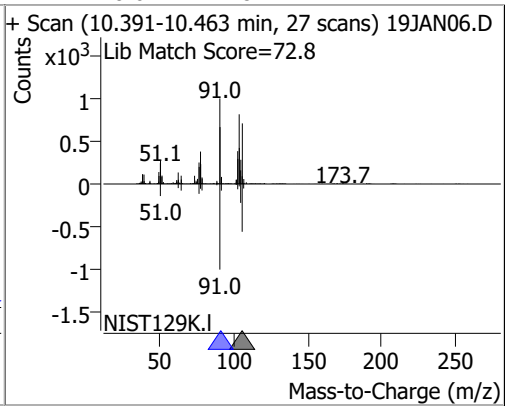




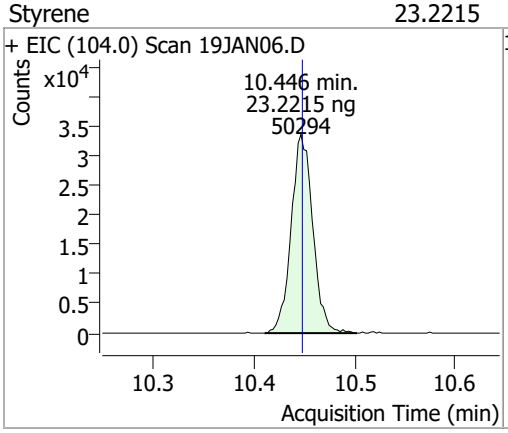
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	23.3834	10.43	-0.01	30498	91.0	210.6	181.4	241.4

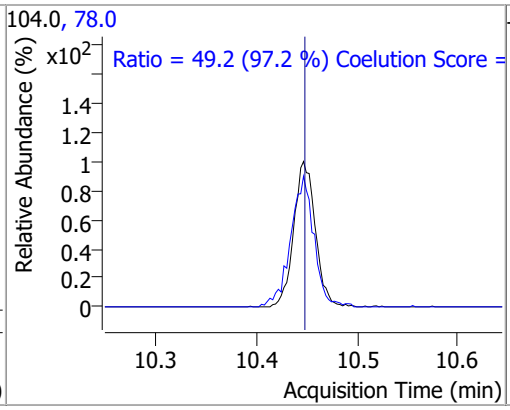


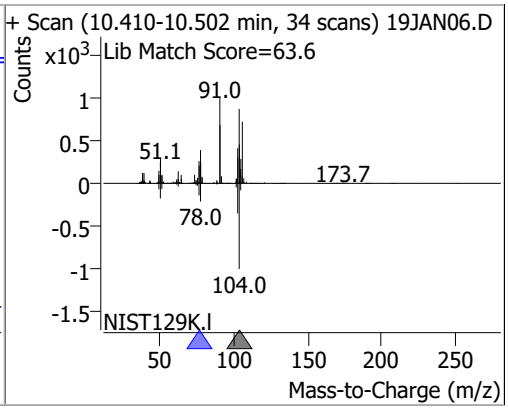




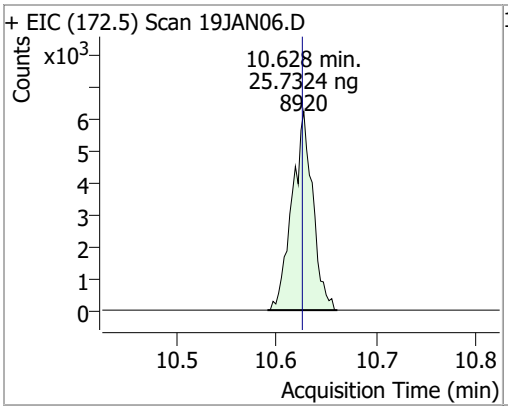
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	23.2215	10.45	0.00	50294	78.0	49.2	20.6	80.6

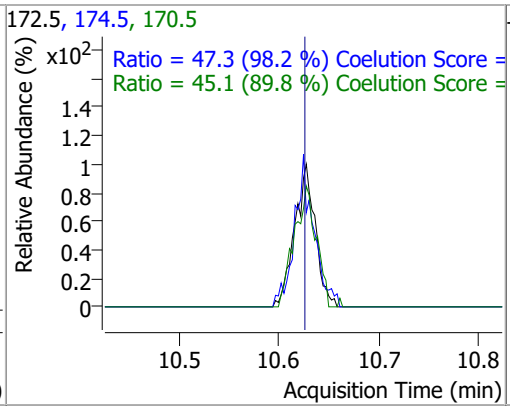


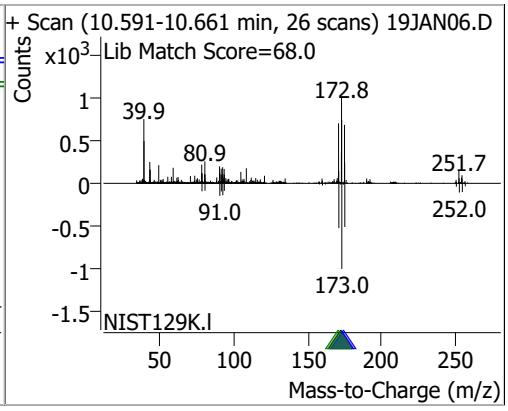




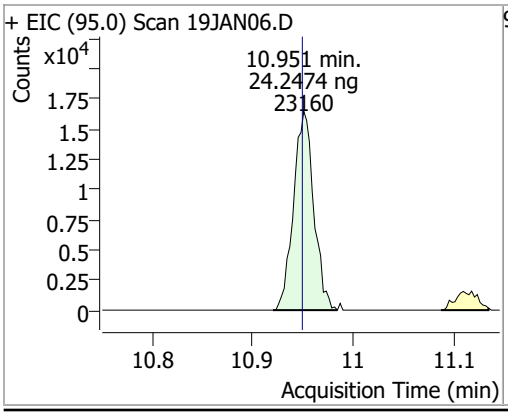
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	25.7324	10.63	0.00	8920	170.5	45.1	20.3	80.3
					174.5	47.3	18.1	78.1

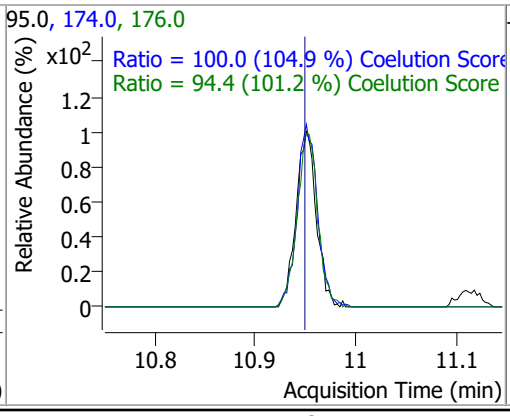


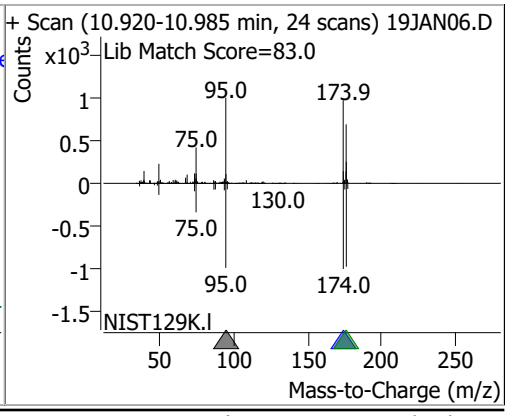




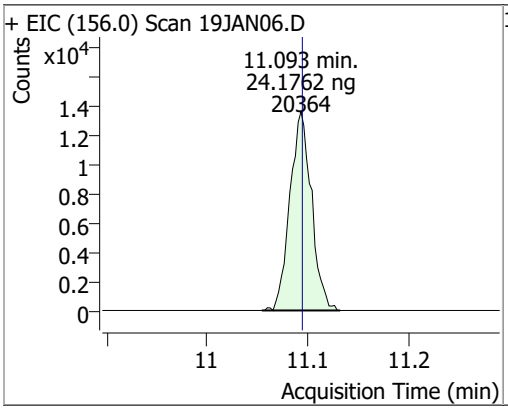
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	24.2474	10.95	0.00	23160	174.0	100.0	65.3	125.3
					176.0	94.4	63.3	123.3

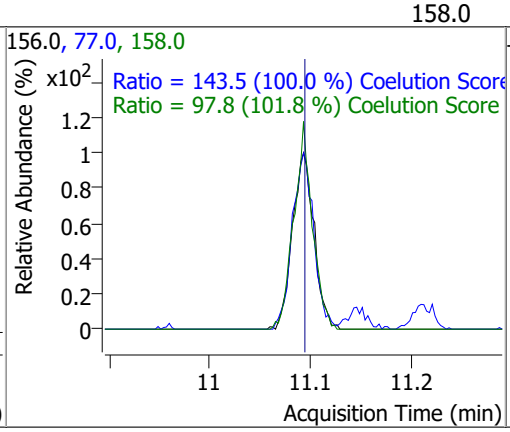


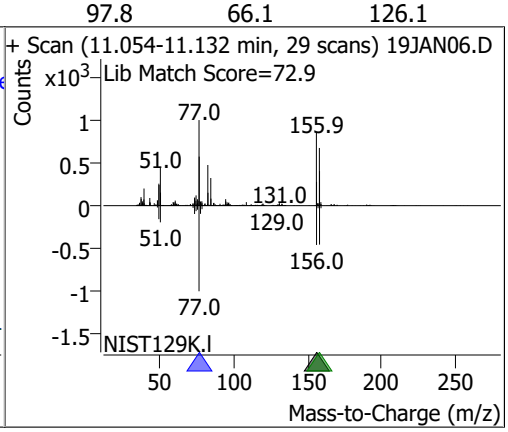




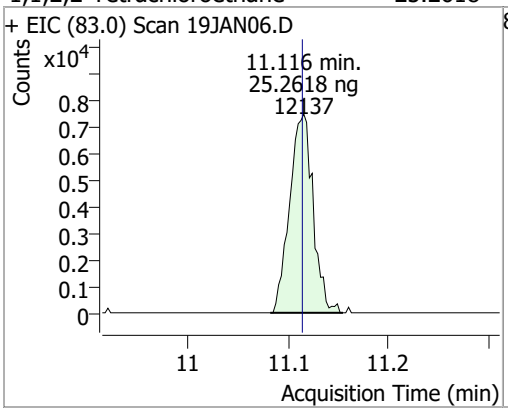
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	24.1762	11.09	0.00	20364	77.0	143.5	113.5	173.5
					158.0	97.8	66.1	126.1

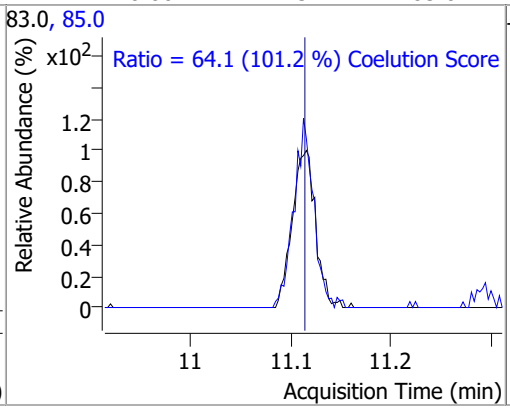


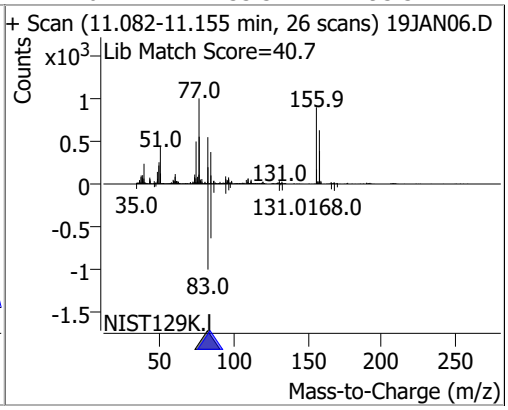




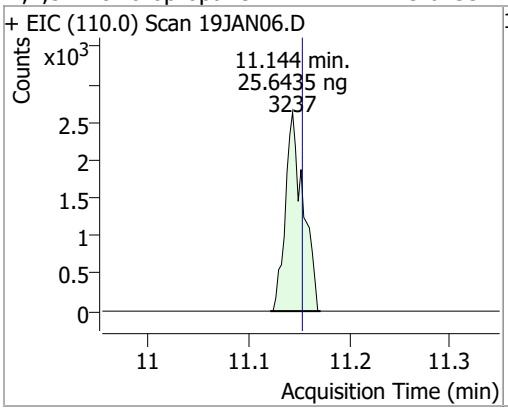
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	25.2618	11.12	0.00	12137	85.0	64.1	33.3	93.3

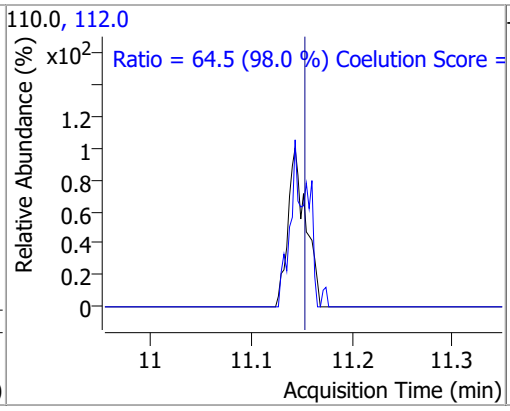


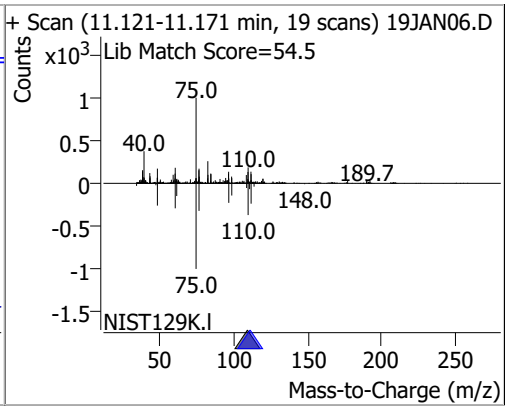




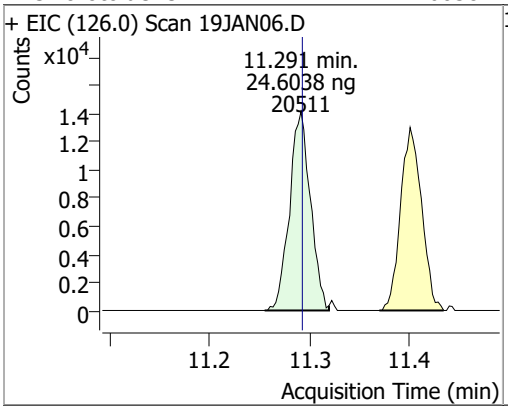
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	25.6435	11.14	-0.01	3237	112.0	64.5	35.8	95.8

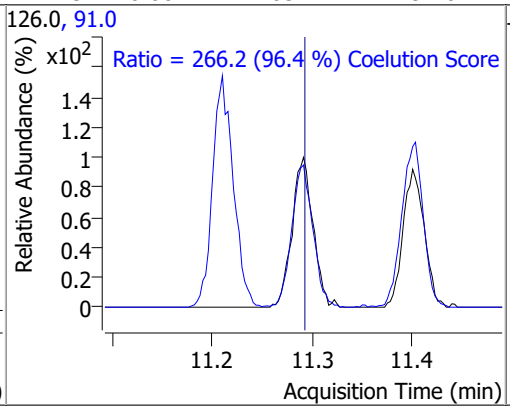


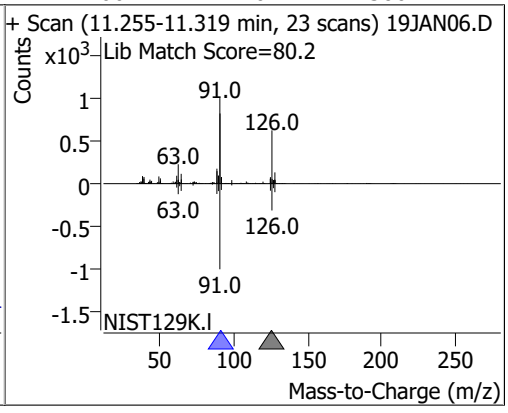




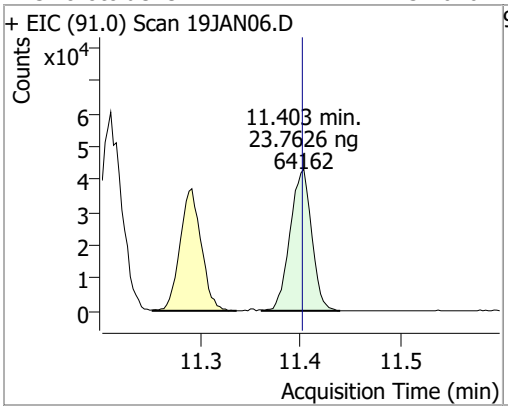
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	24.6038	11.29	0.00	20511	91.0	266.2	246.2	306.2

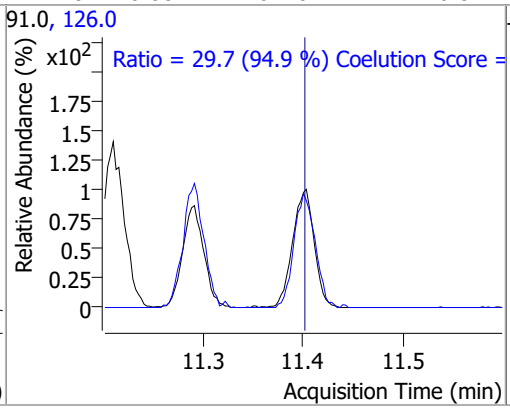


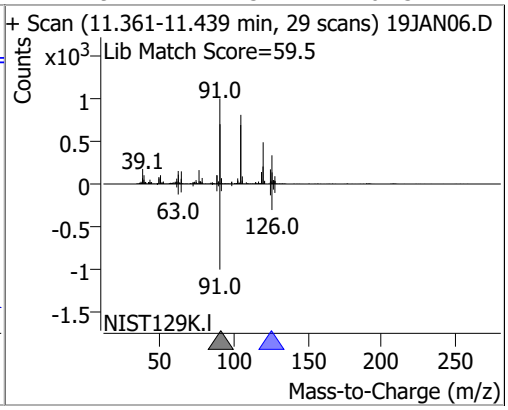




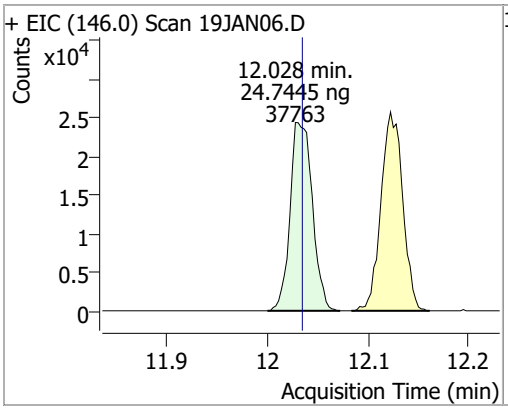
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	23.7626	11.40	0.00	64162	126.0	29.7	1.3	61.3

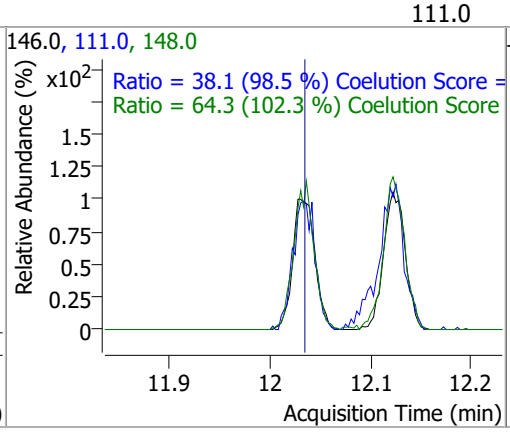


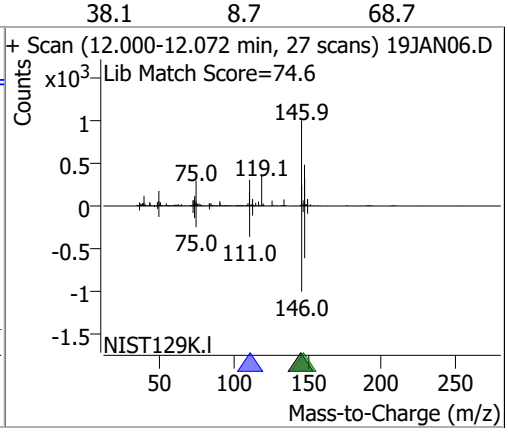




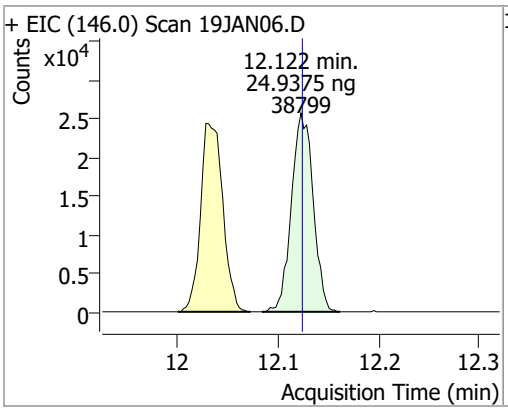
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	24.7445	12.03	-0.01	37763	148.0	64.3	32.8	92.8
					111.0	38.1	8.7	68.7

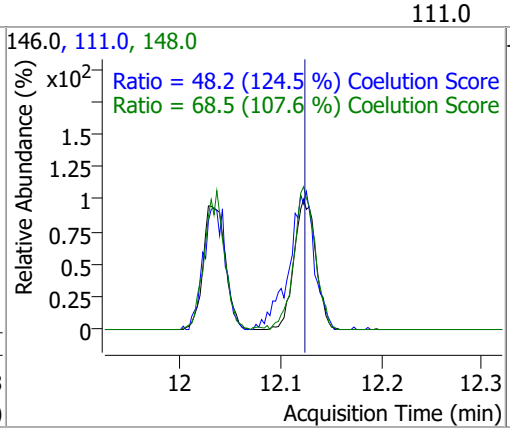


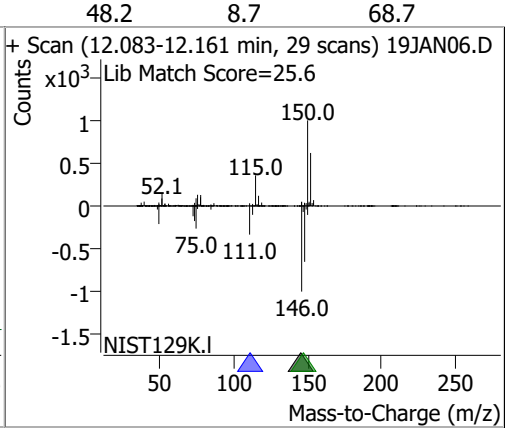




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	24.9375	12.12	0.00	38799	148.0	68.5	33.7	93.7
					111.0	48.2	8.7	68.7

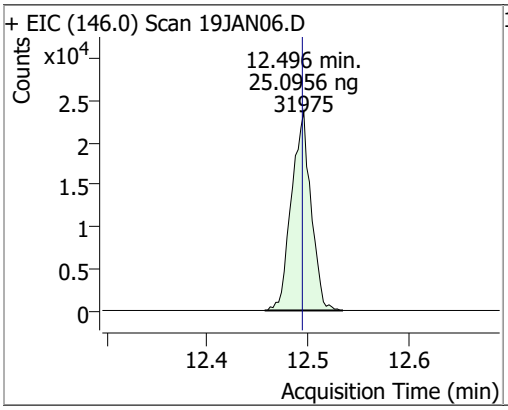


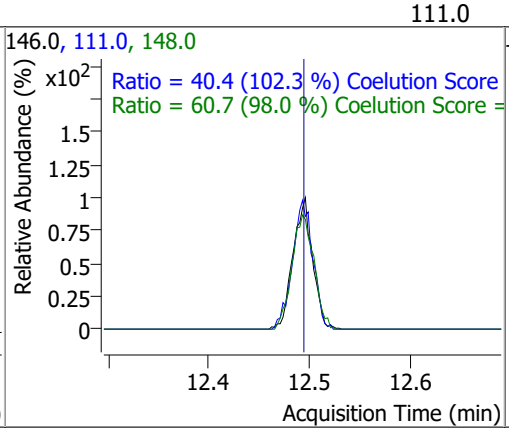


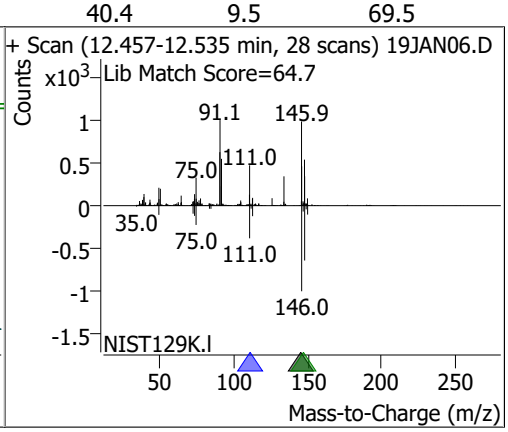


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	25.0956	12.50	0.00	31975	148.0	60.7	31.9	91.9
					111.0	40.4	9.5	69.5

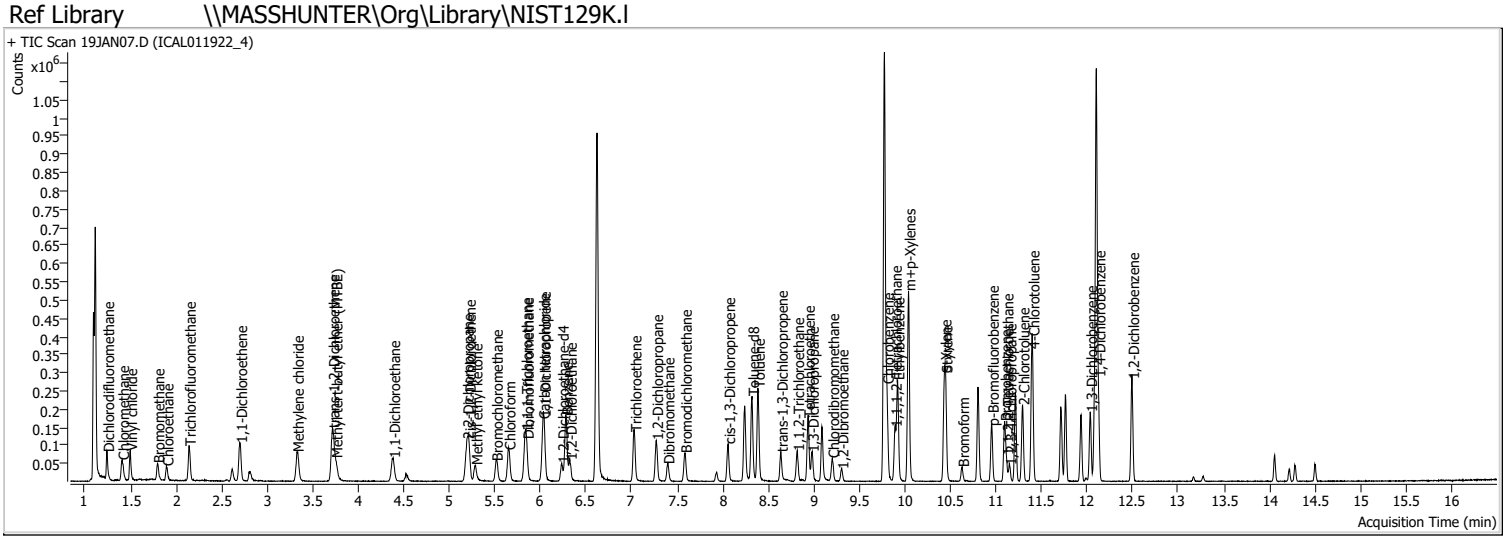






Quantitation Results Report (QT Reviewed)

Data File	19JAN07.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	1/19/2022 12:09:57 PM
Sample Name	ICAL011922_4	Instrument	VOA5975C
Vial	7	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG011922_8260B.batch.bin	Last Calib Update	1/20/2022 9:28:12 AM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

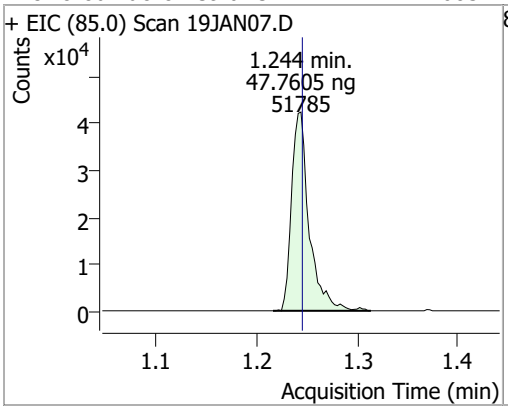


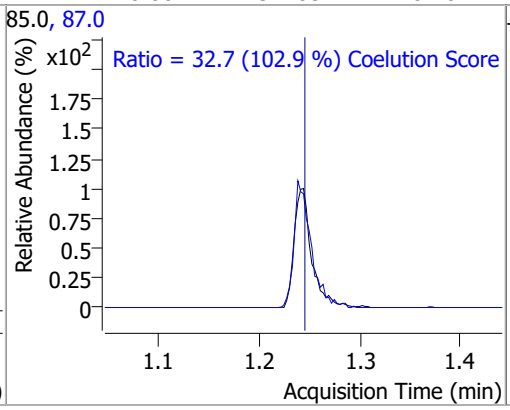
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	806368	250.0000	ng		0.000
M Chlorobenzene-d5	9.772	82.0	318877	250.0000	ng		-0.003
M 1,4-Dichlorobenzene-d4	12.100	152.0	262955	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.848	113.0	38453	49.2335	ng		-0.003
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 19.69%		*	
S 1,2-Dichloroethane-d4	6.233	67.0	16425	48.6831	ng		0.003
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 19.47%		*	
S Toluene-d8	8.322	98.0	142617	45.8435	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 18.34%		*	
S p-Bromofluorobenzene	10.954	95.0	45114	46.4666	ng		0.006
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 18.59%		*	
Target Compounds							**QValue**
T Dichlorodifluoromethane	1.244	85.0	51785	47.7605	ng		98
T Chloromethane	1.408	50.0	63351	49.6275	ng		100
T Vinyl chloride	1.495	62.0	55437	47.7105	ng		98
T Bromomethane	1.796	96.0	22944	48.0600	ng		94
T Chloroethane	1.894	64.0	26569	48.3306	ng		98
T Trichlorofluoromethane	2.142	101.0	66016	47.3799	ng		97
T 1,1-Dichloroethene	2.702	96.0	38644	47.6655	ng		98
T Methylene chloride	3.327	49.0	58184	49.3612	ng		97
T trans-1,2-Dichloroethene	3.717	96.0	38732	46.2455	ng		98
T Methyl tert-butyl ether (MTBE)	3.751	73.0	49617	47.3984	ng		86
T 1,1-Dichloroethane	4.384	63.0	75497	48.1651	ng		98
T 2,2-Dichloropropane	5.193	77.0	56651	47.9582	ng		98
T cis-1,2-Dichloroethene	5.212	96.0	39093	46.0997	ng		94
T Methyl ethyl ketone	5.285	43.0	58185	474.7821	ng		99
T Bromochloromethane	5.511	128.0	17084	48.8614	ng		98
T Chloroform	5.647	83.0	74048	47.3129	ng		99

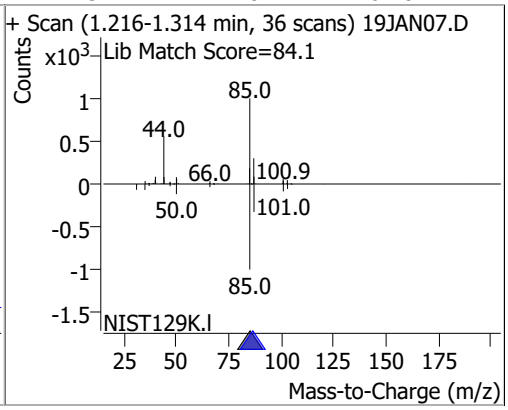
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	5.834	97.0	69594	48.1944	ng	98
T Carbon tetrachloride	6.026	117.0	66332	47.3626	ng	98
T 1,1-Dichloropropene	6.038	75.0	52282	44.6484	ng	99
T Benzene	6.277	78.0	149512	46.4135	ng	99
T 1,2-Dichloroethane	6.322	62.0	43538	48.9336	ng	96
T Trichloroethene	7.030	95.0	44214	46.3149	ng	96
T 1,2-Dichloropropane	7.270	63.0	38730	46.1437	ng	100
T Dibromomethane	7.393	93.0	16899	47.7666	ng	98
T Bromodichloromethane	7.585	83.0	46426	46.6674	ng	99
T cis-1,3-Dichloropropene	8.059	75.0	47339	43.3645	ng	94
T Toluene	8.386	92.0	92615	44.6630	ng	98
T trans-1,3-Dichloropropene	8.637	75.0	36009	45.2216	ng	99
T 1,1,2-Trichloroethane	8.818	83.0	19237	47.5110	ng	90
T Tetrachloroethene	8.935	163.8	38749	46.0820	ng	98
T 1,3-Dichloropropane	8.977	76.0	38147	46.5568	ng	98
T Chlorodibromomethane	9.203	129.0	30000	46.0058	ng	99
T 1,2-Dibromoethane	9.303	107.0	20667	46.2152	ng	93
T Chlorobenzene	9.802	112.0	106223	46.7283	ng	98
T 1,1,1,2-Tetrachloroethane	9.889	131.0	37389	46.8776	ng	96
T Ethylbenzene	9.919	91.0	171854	44.7337	ng	99
T m+p-Xylenes	10.039	106.0	136806	89.3329	ng	99
T o-Xylene	10.433	106.0	58814	44.2320	ng	96
T Styrene	10.446	104.0	97810	44.2974	ng	100
T Bromoform	10.628	172.5	16290	46.2317	ng	98
T Bromobenzene	11.093	156.0	39639	46.2967	ng	97
T 1,1,2,2-Tetrachloroethane	11.113	83.0	24493	50.1531	ng	98
T 1,2,3-Trichloropropane	11.149	110.0	6147	47.9073	ng	97
T 2-Chlorotoluene	11.291	126.0	37139	43.8276	ng	93
T 4-Chlorotoluene	11.400	91.0	125553	45.7452	ng	100
T 1,3-Dichlorobenzene	12.033	146.0	73221	47.2010	ng	97
T 1,4-Dichlorobenzene	12.122	146.0	72168	45.6332	ng	97
T 1,2-Dichlorobenzene	12.493	146.0	59208	45.7163	ng	96

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

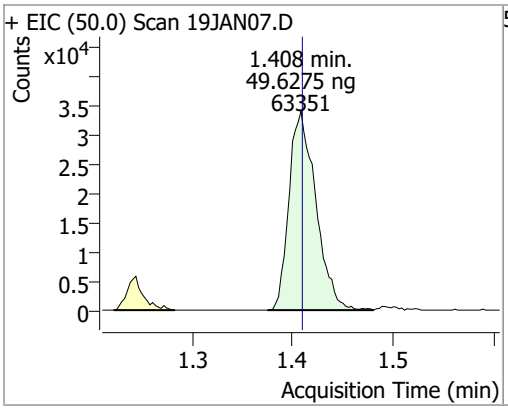
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	47.7605	1.24	0.00	51785	87.0	32.7	1.8	61.8

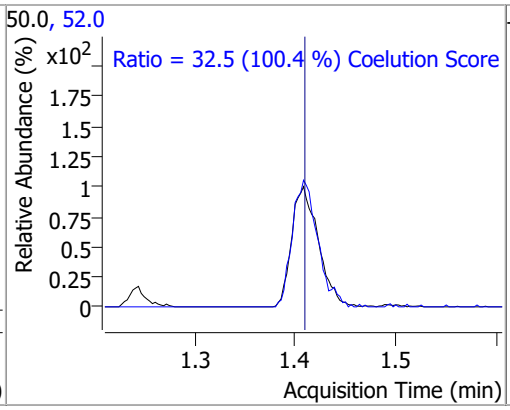


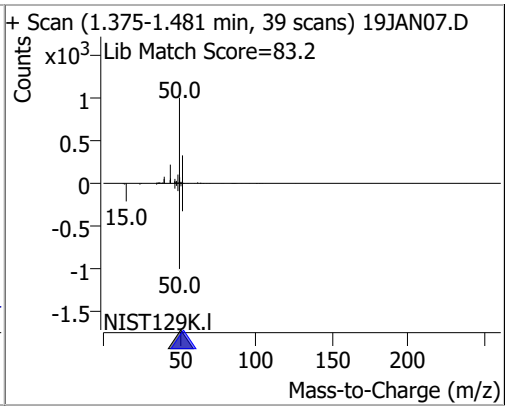




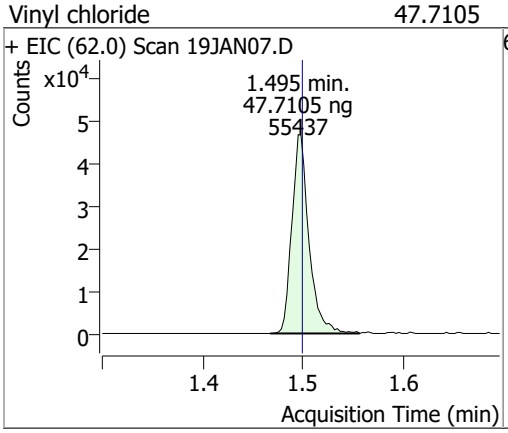
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	49.6275	1.41	0.00	63351	52.0	32.5	2.4	62.4

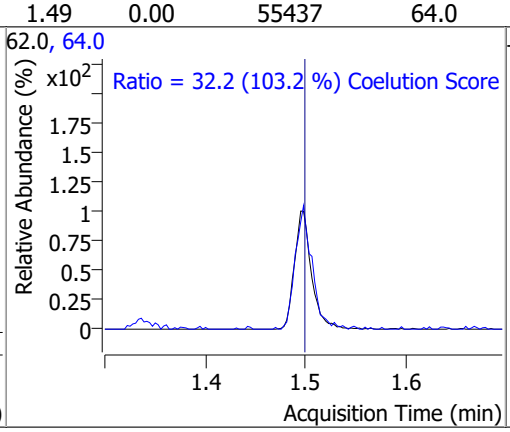


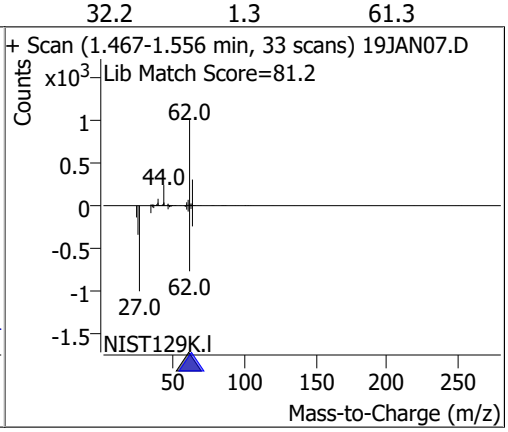




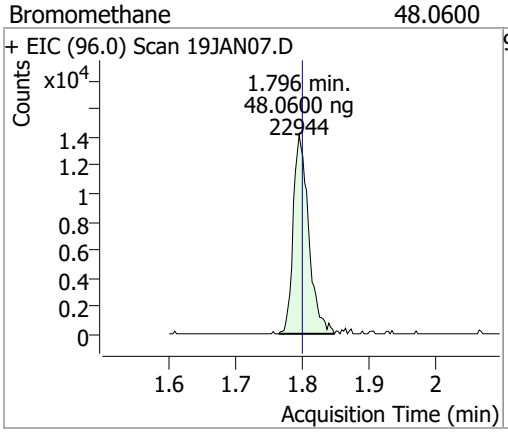
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	47.7105	1.49	0.00	55437	64.0	32.2	1.3	61.3

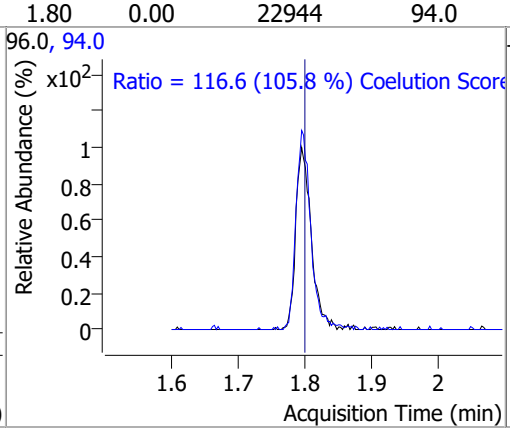


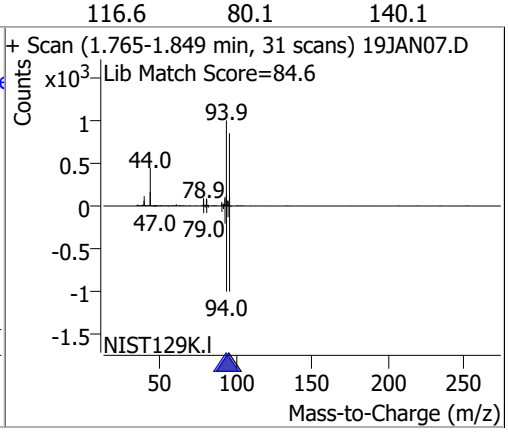




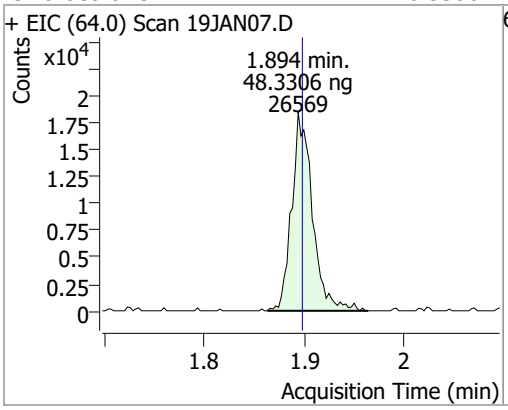
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	48.0600	1.80	0.00	22944	94.0	116.6	80.1	140.1

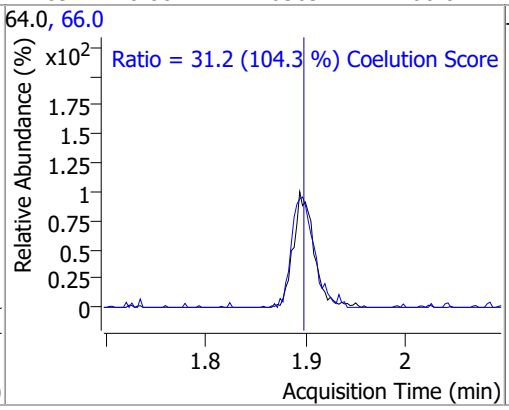


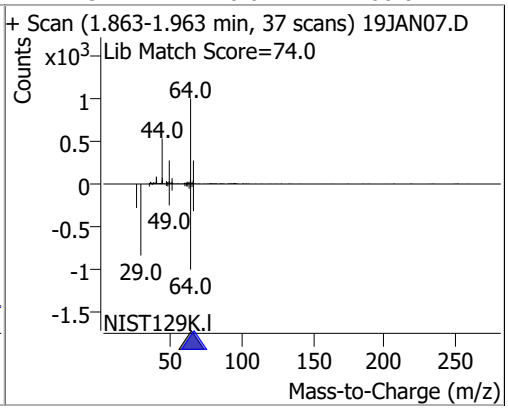




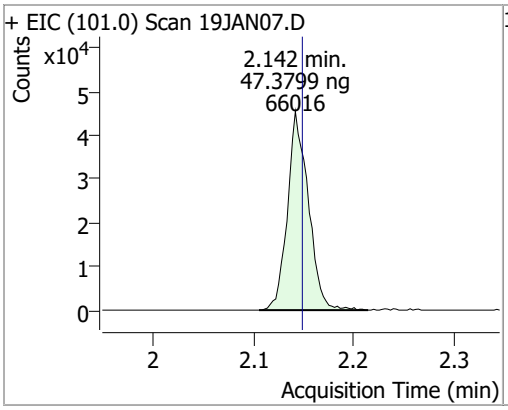
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	48.3306	1.89	0.00	26569	66.0	31.2	0.0	60.0

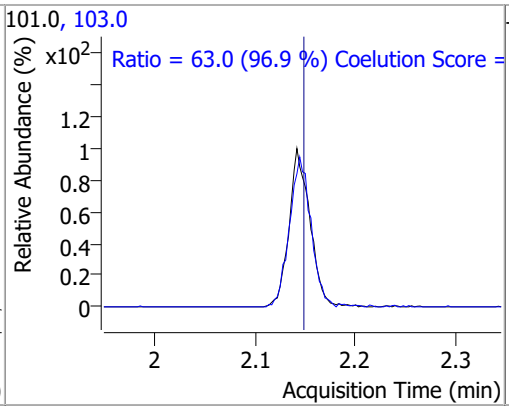


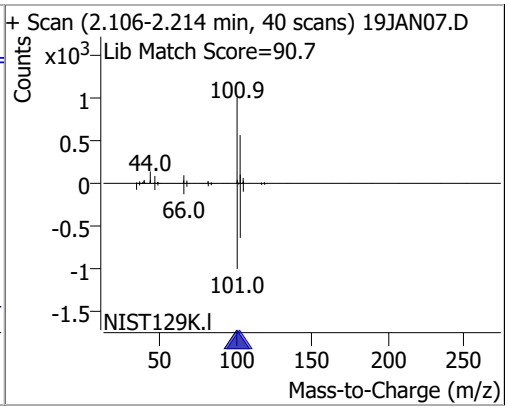




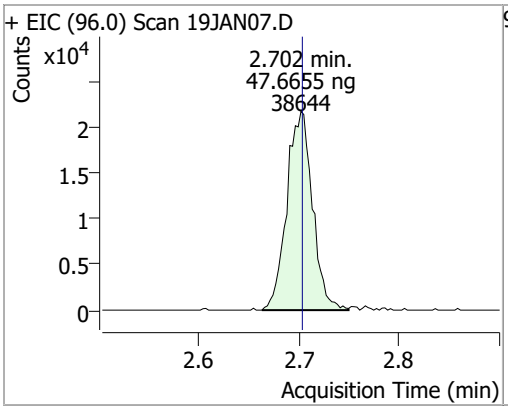
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	47.3799	2.14	-0.01	66016	103.0	63.0	35.0	95.0

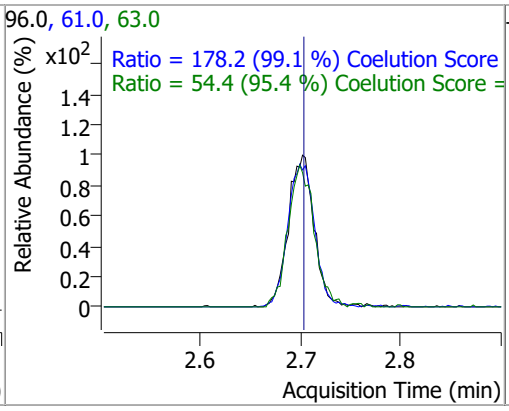


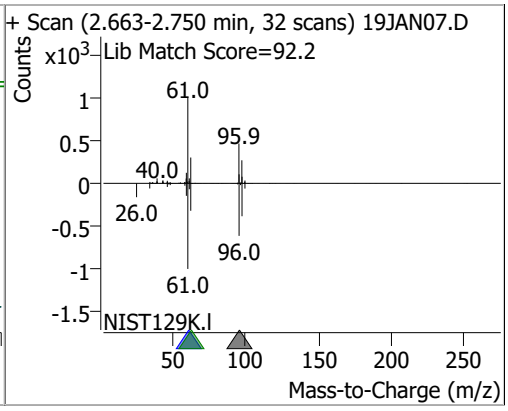




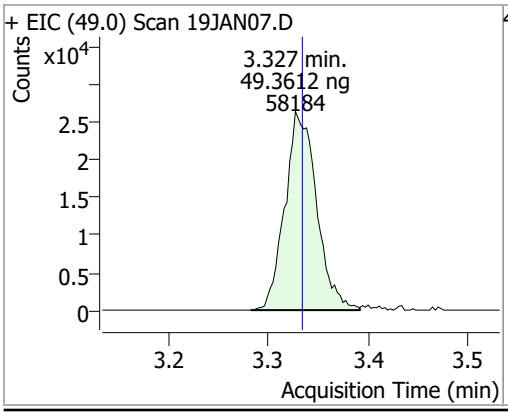
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	47.6655	2.70	0.00	38644	61.0	178.2	149.9	209.9
					63.0	54.4	27.0	87.0

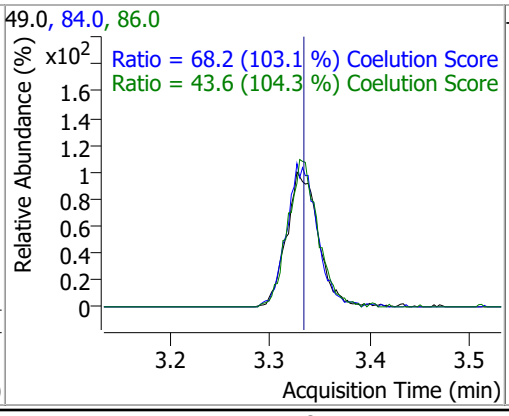


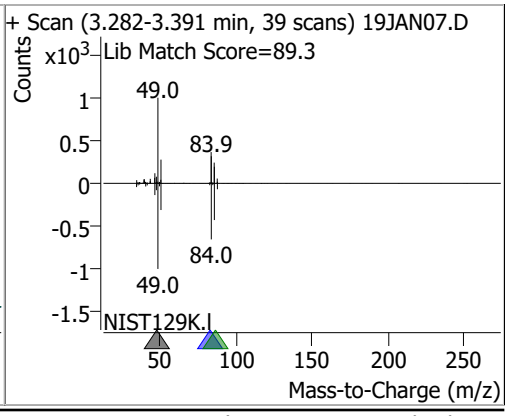




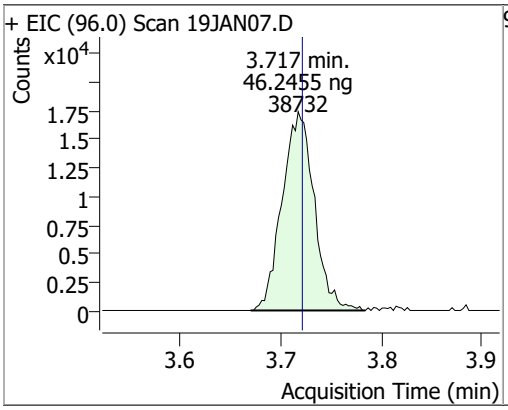
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	49.3612	3.33	-0.01	58184	84.0	68.2	36.1	96.1
					86.0	43.6	11.8	71.8

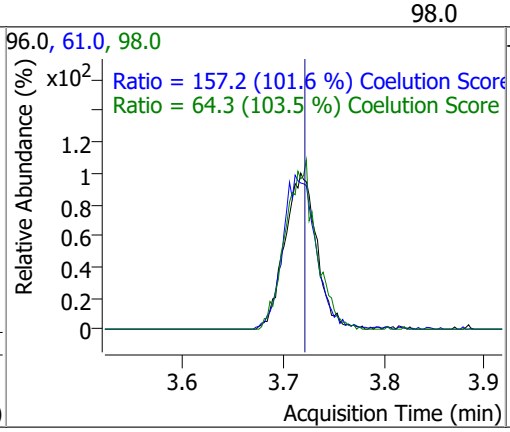


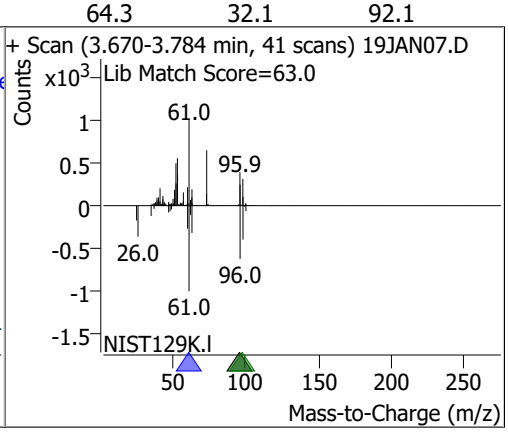




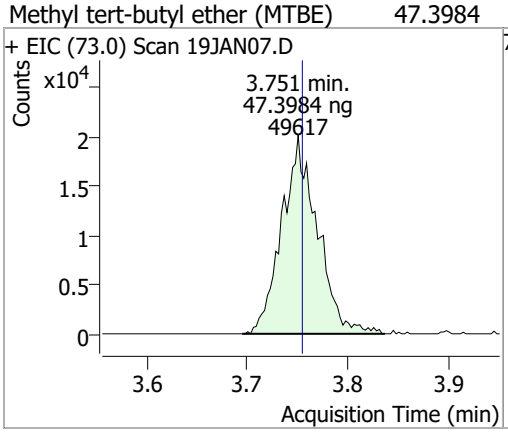
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	46.2455	3.72	0.00	38732	61.0	157.2	124.8	184.8
					98.0	64.3	32.1	92.1

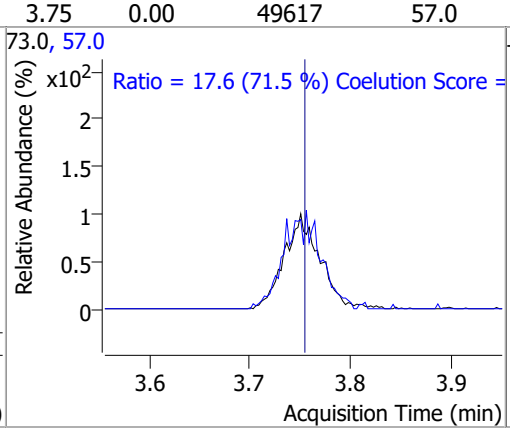


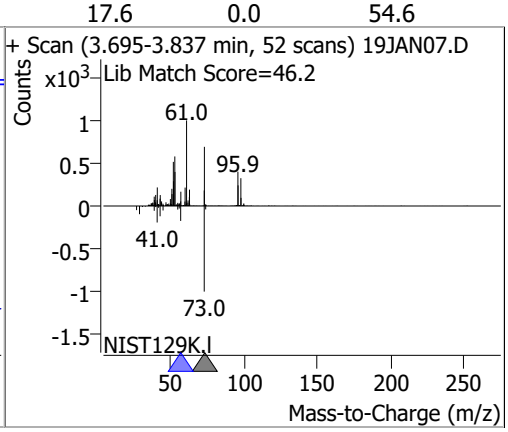




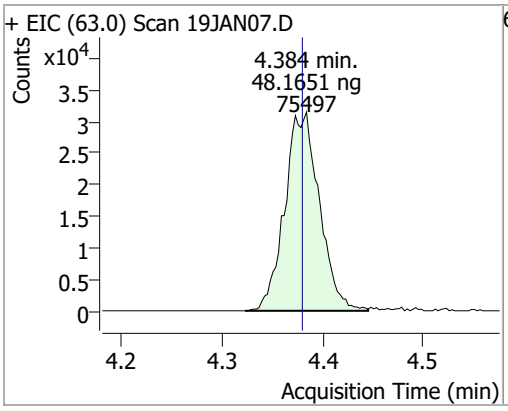
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	47.3984	3.75	0.00	49617	57.0	17.6	0.0	54.6

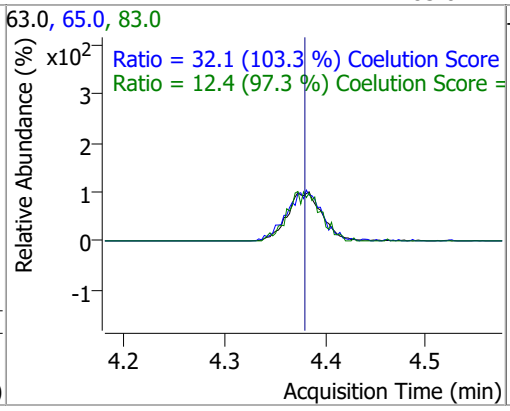


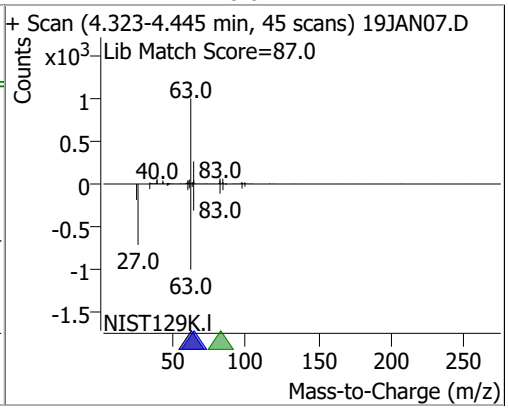




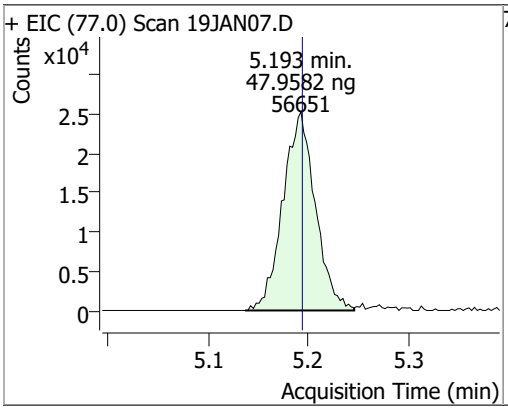
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	48.1651	4.38	0.01	75497	65.0	32.1	1.0	61.0
					83.0	12.4	0.0	42.7

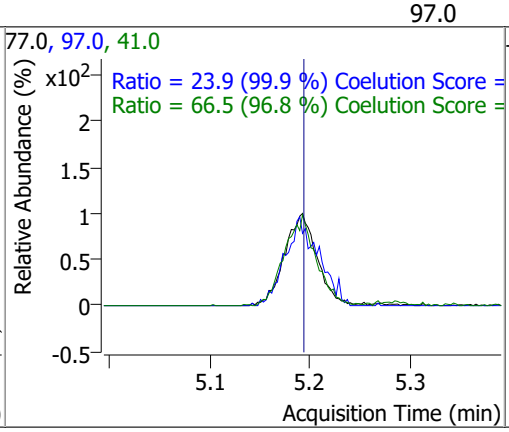


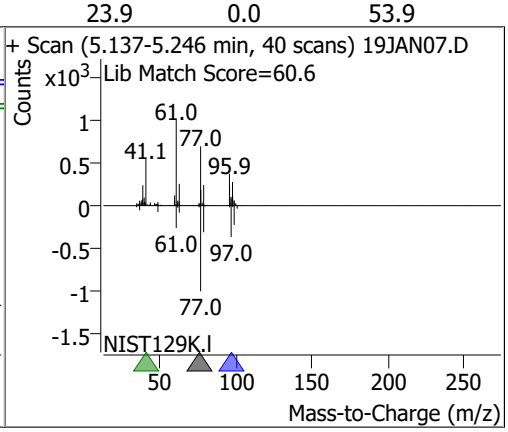




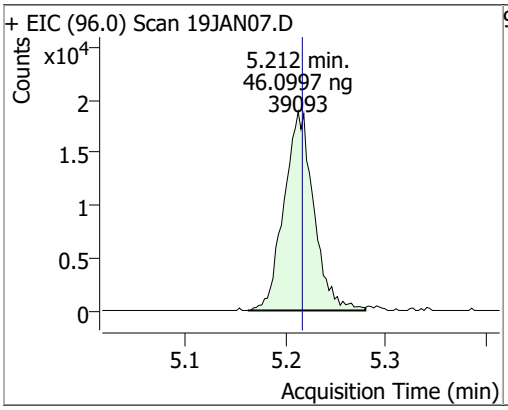
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	47.9582	5.19	0.00	56651	41.0	66.5	38.8	98.8
					97.0	23.9	0.0	53.9

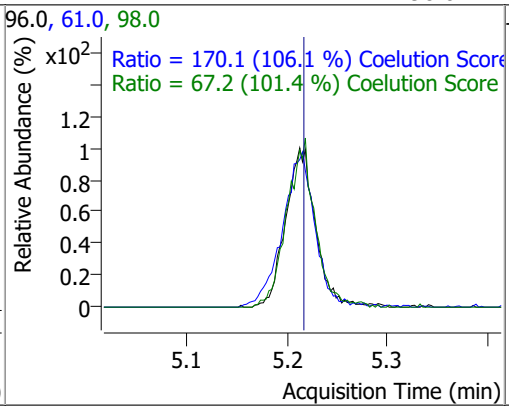


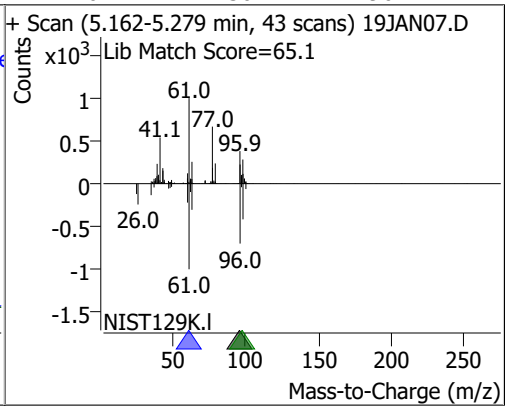




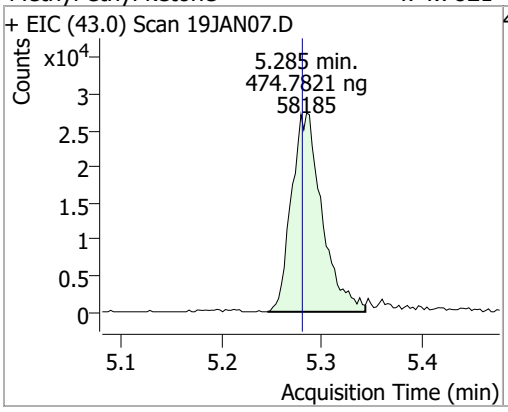
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	46.0997	5.21	0.00	39093	61.0	170.1	130.4	190.4
					98.0	67.2	36.2	96.2

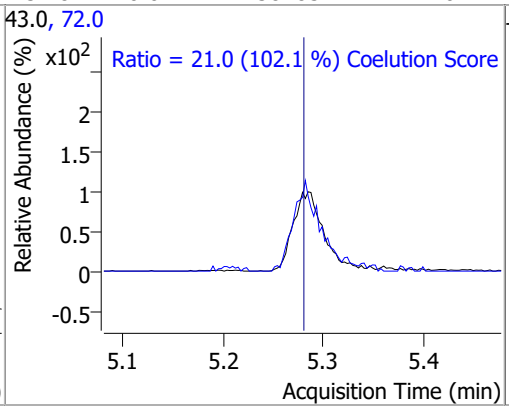


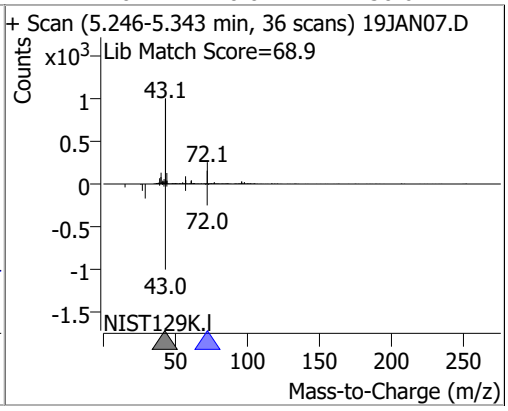




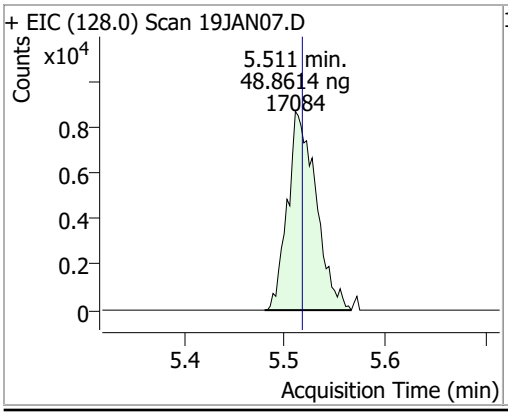
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	474.7821	5.28	0.01	58185	72.0	21.0	0.0	50.6

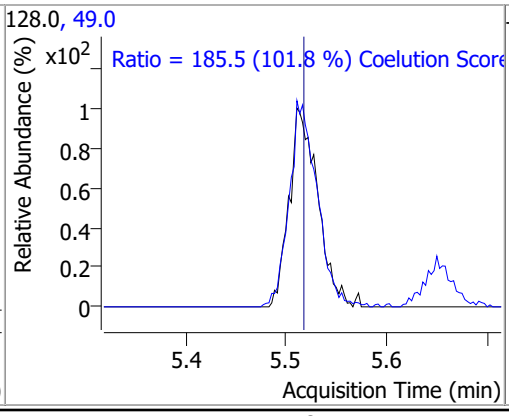


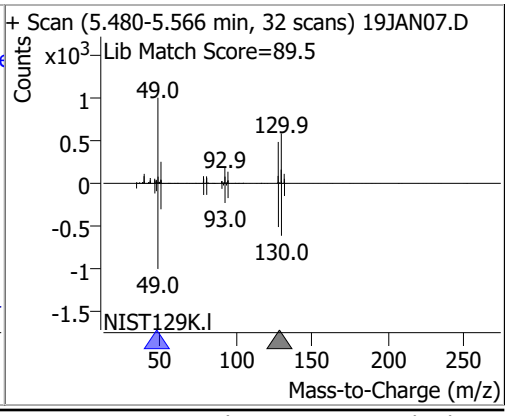




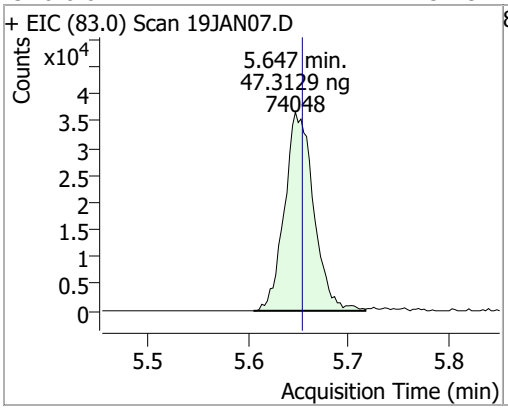
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	48.8614	5.51	-0.01	17084	49.0	185.5	152.2	212.2

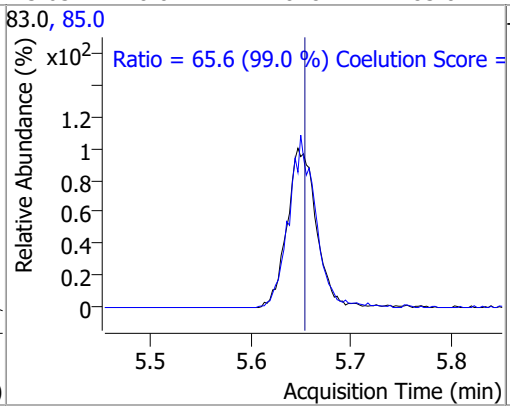


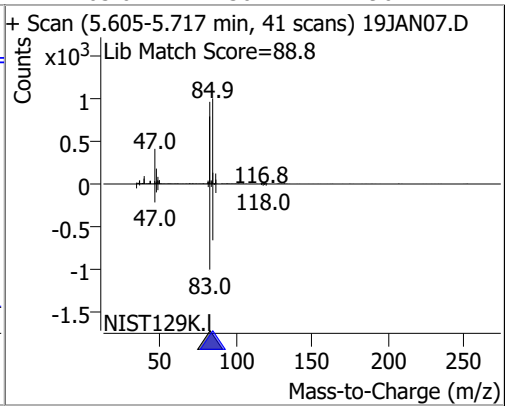




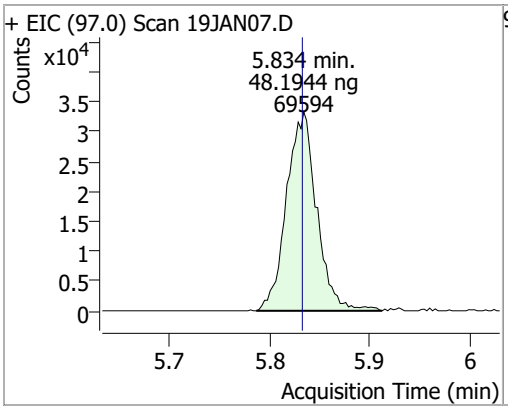
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	47.3129	5.65	-0.01	74048	85.0	65.6	36.2	96.2

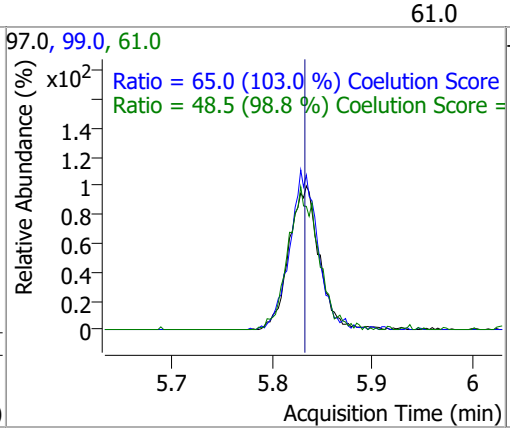


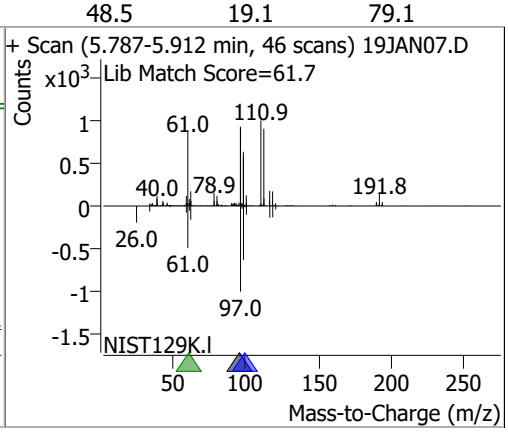




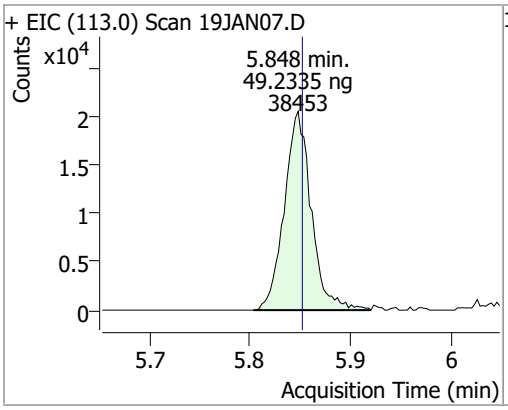
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	48.1944	5.83	0.00	69594	99.0	65.0	33.1	93.1
					61.0	48.5	19.1	79.1

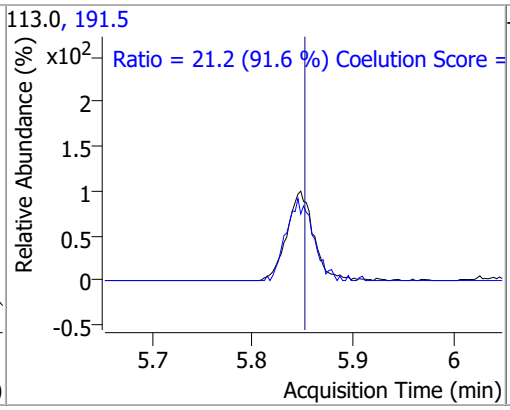


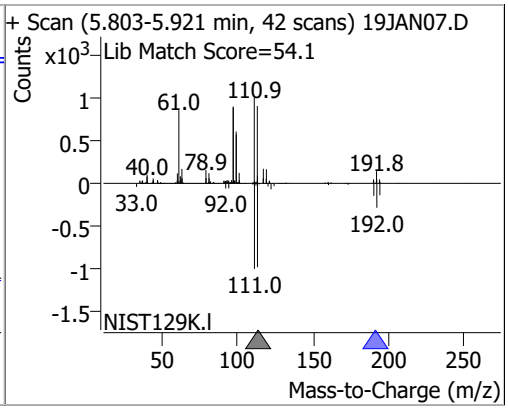




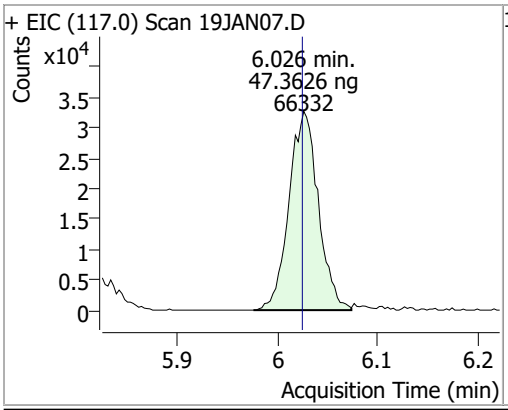
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	49.2335	5.85	0.00	38453	191.5	21.2	0.0	53.2

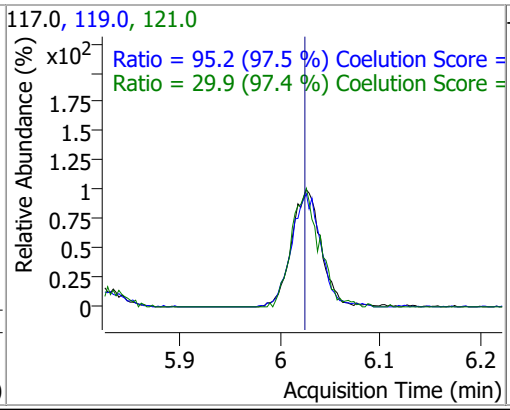


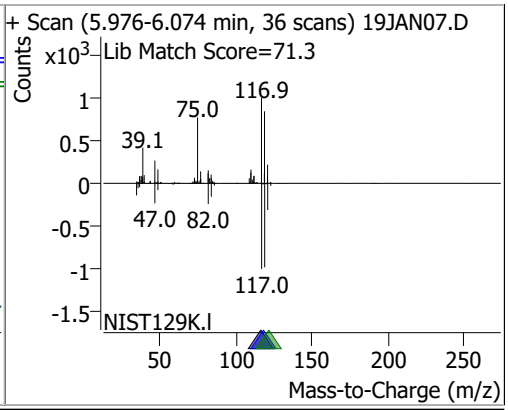




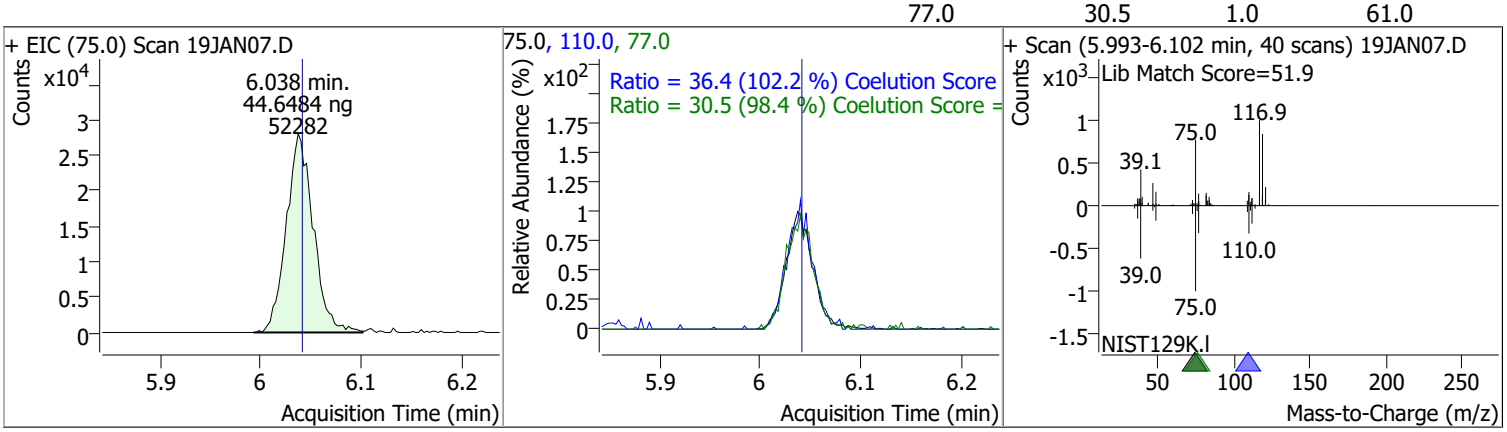
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	47.3626	6.03	0.00	66332	119.0	95.2	67.6	127.6
					121.0	29.9	0.7	60.7



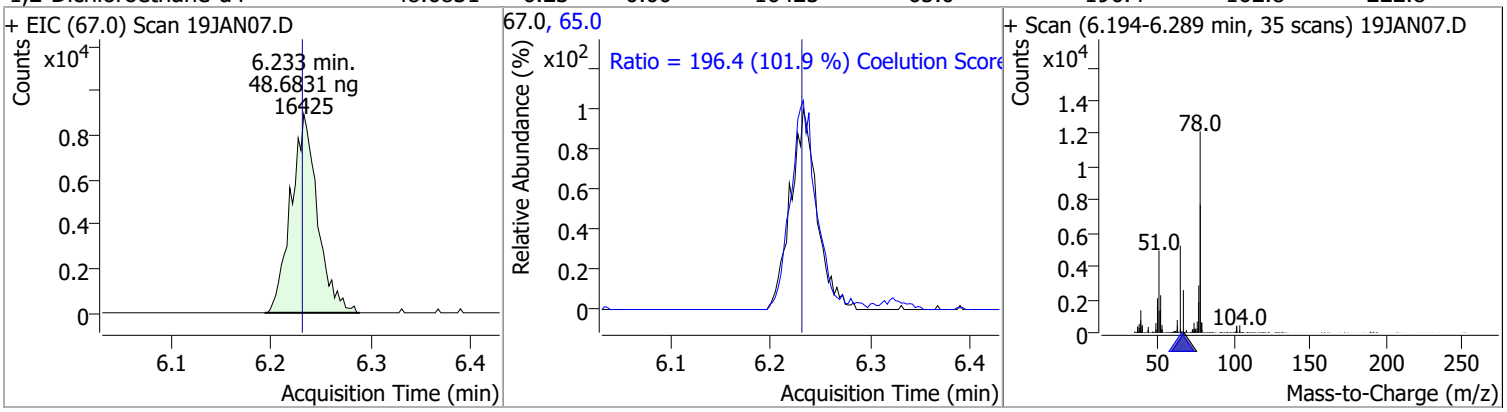




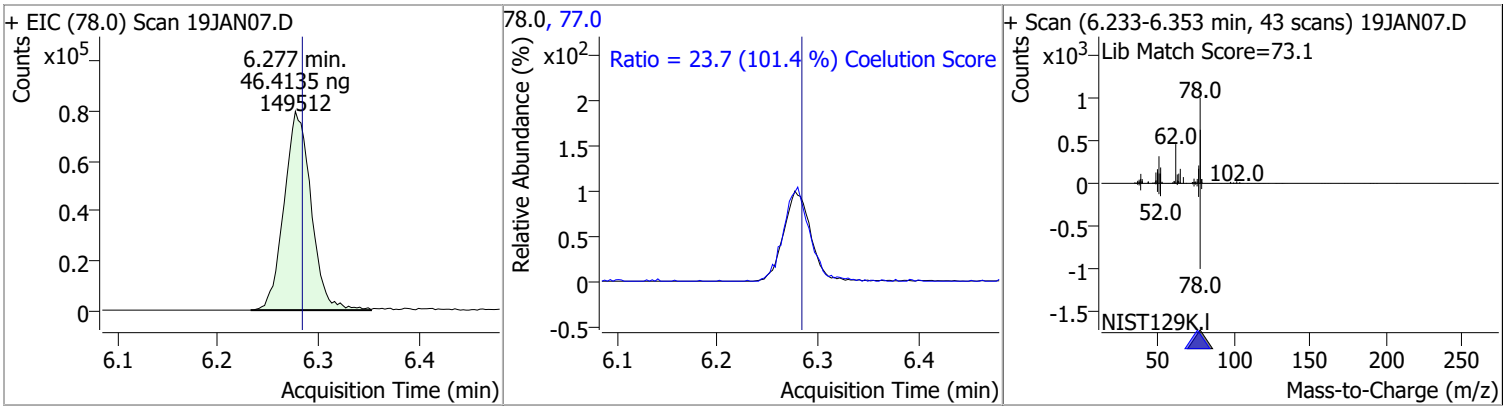
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	44.6484	6.04	0.00	52282	110.0	36.4	5.6	65.6
					77.0	30.5	1.0	61.0



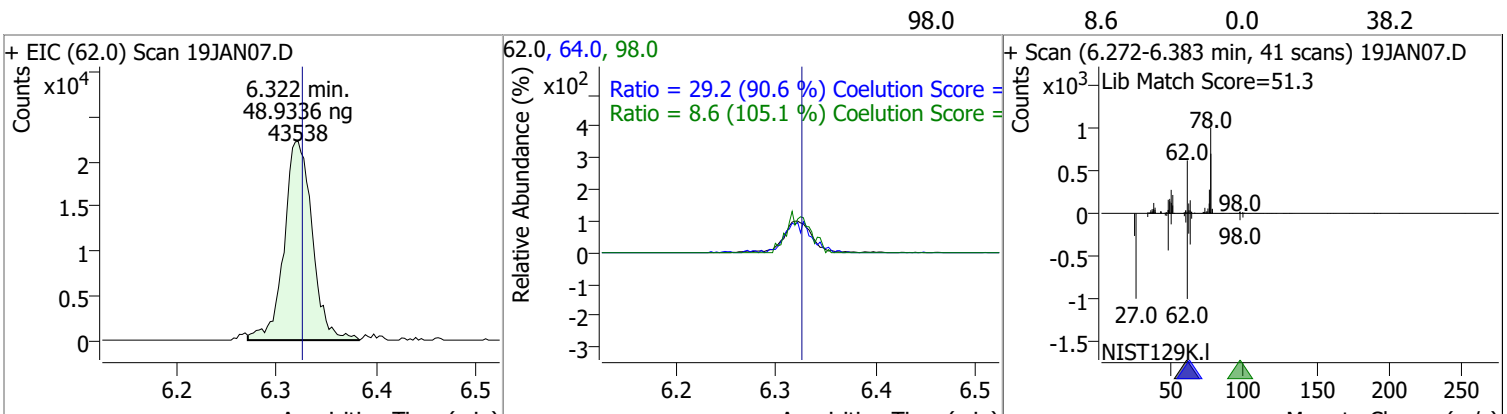
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	48.6831	6.23	0.00	16425	65.0	196.4	162.8	222.8



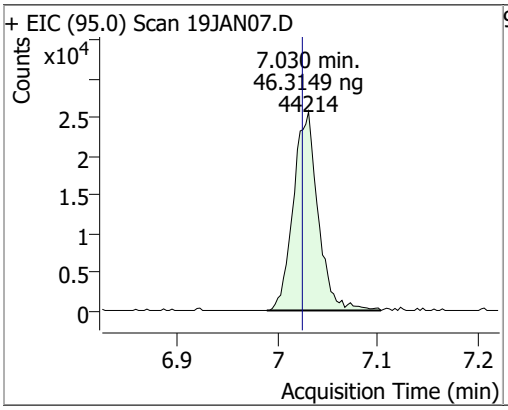
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	46.4135	6.28	-0.01	149512	77.0	23.7	0.0	53.3

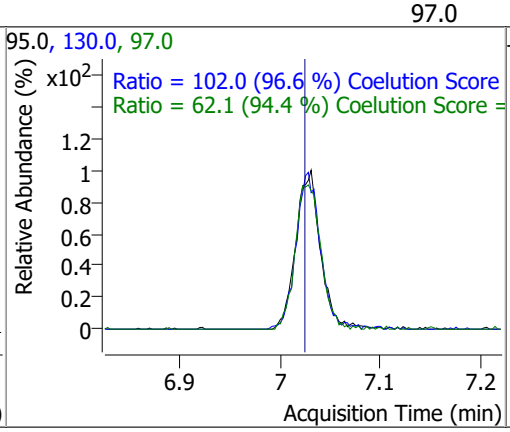


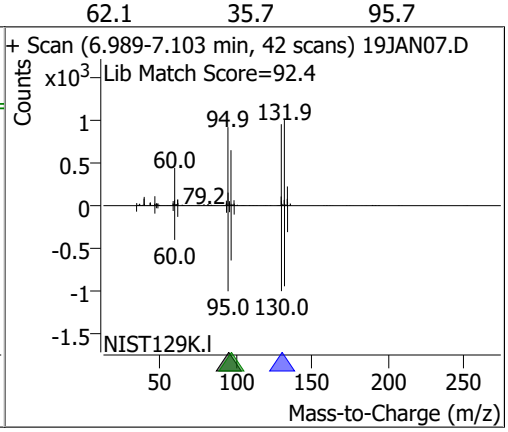
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	48.9336	6.32	0.00	43538	64.0	29.2	2.2	62.2
					98.0	8.6	0.0	38.2



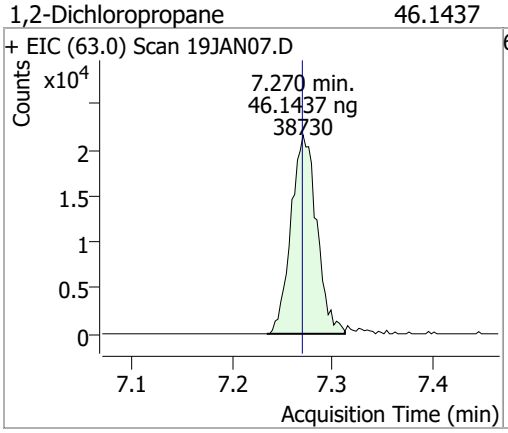
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	46.3149	7.03	0.01	44214	130.0	102.0	75.6	135.6
					97.0	62.1	35.7	95.7

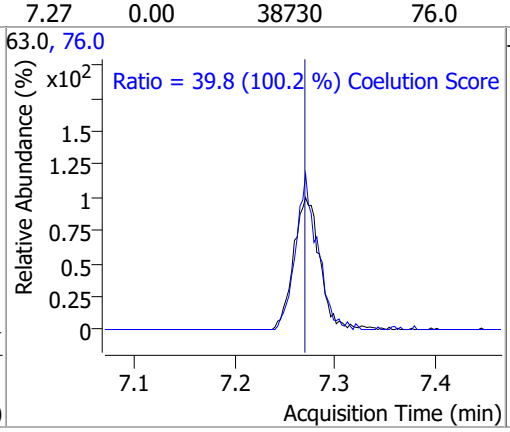


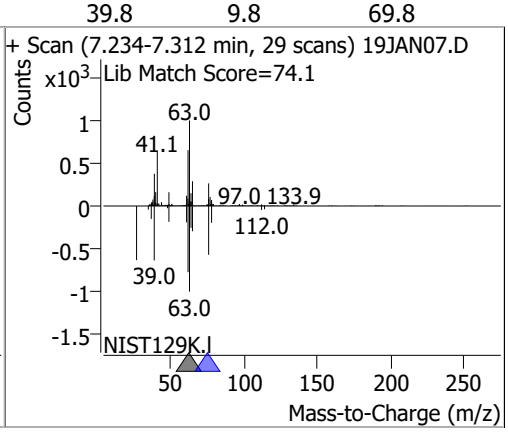




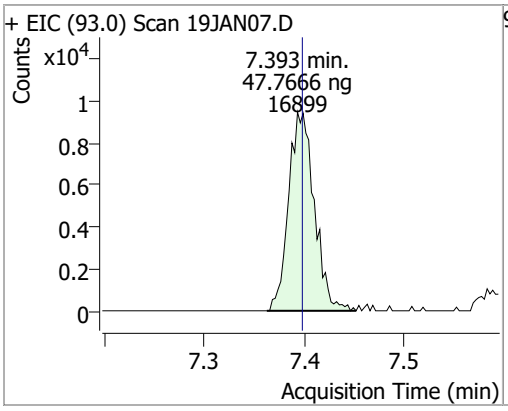
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	46.1437	7.27	0.00	38730	76.0	39.8	9.8	69.8

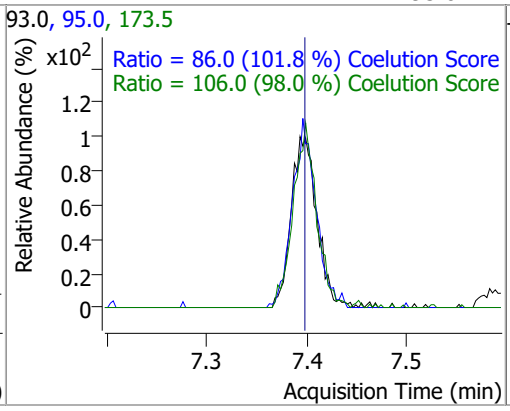


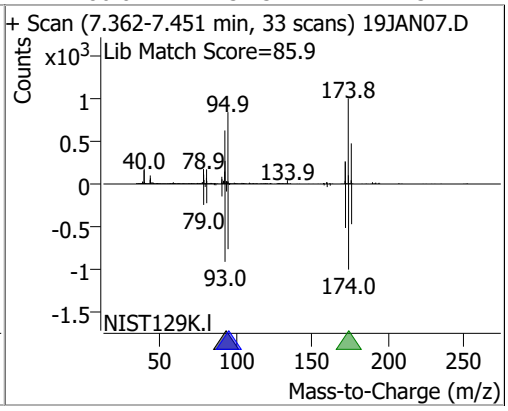




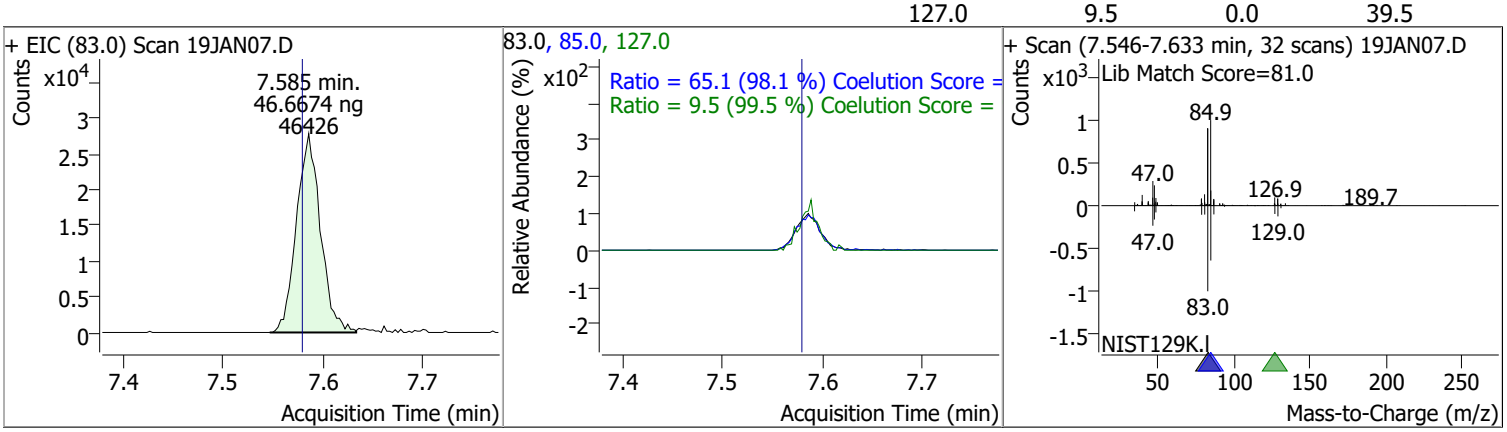
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	47.7666	7.39	-0.01	16899	173.5	106.0	78.2	138.2
					95.0	86.0	54.5	114.5



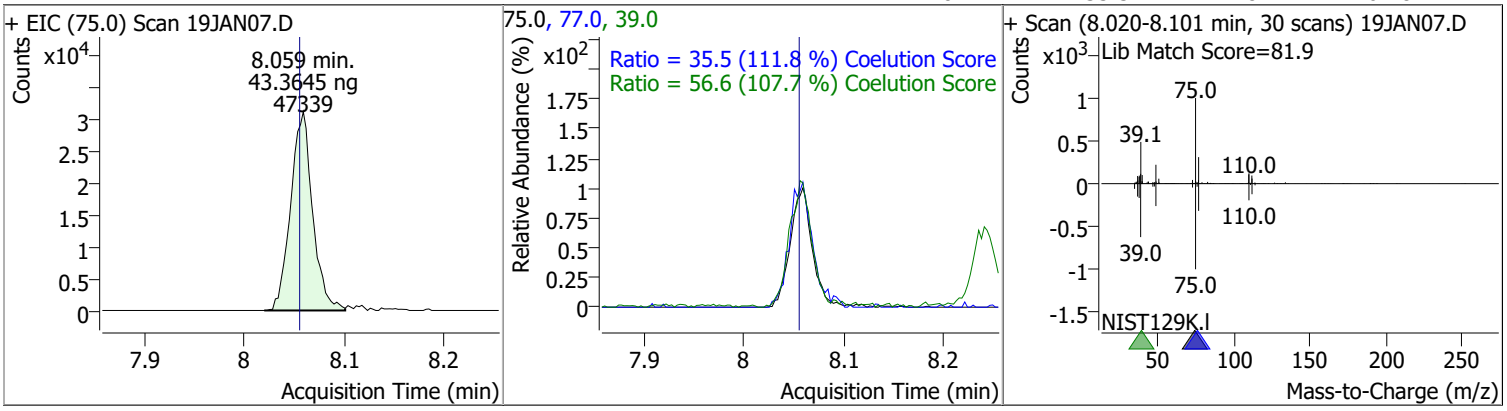




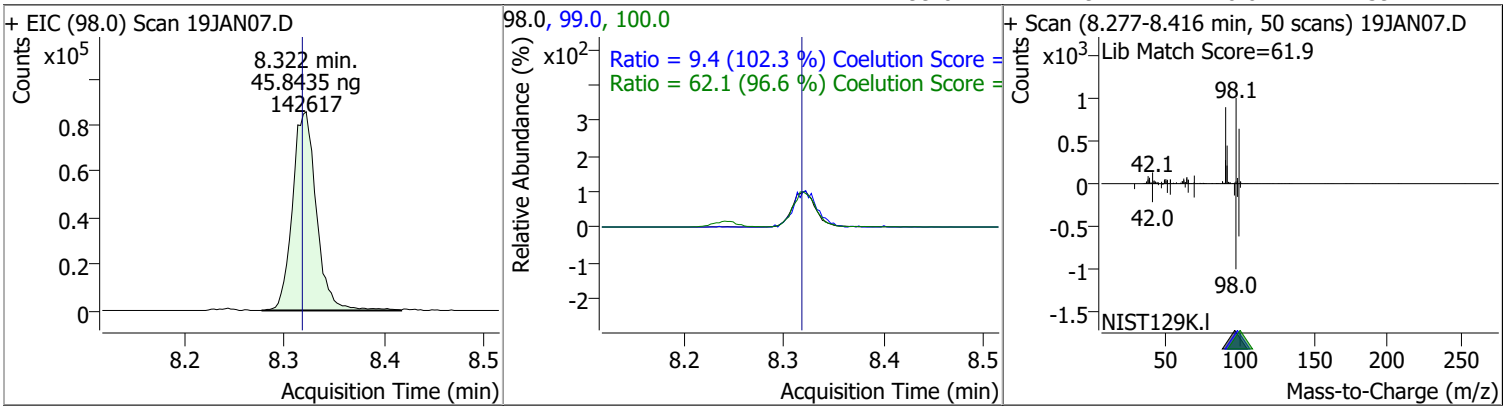
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	46.6674	7.59	0.01	46426	85.0	65.1	36.3	96.3
					127.0	9.5	0.0	39.5



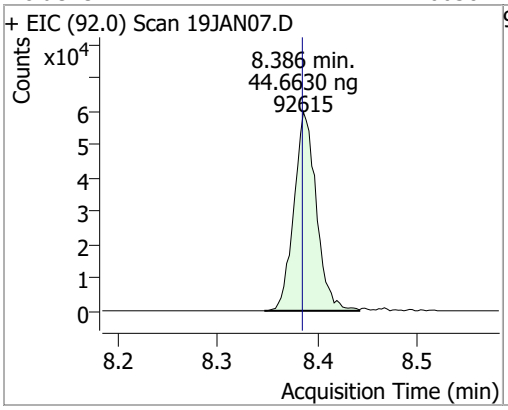
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	43.3645	8.06	0.00	47339	39.0	56.6	22.5	82.5
					77.0	35.5	1.8	61.8

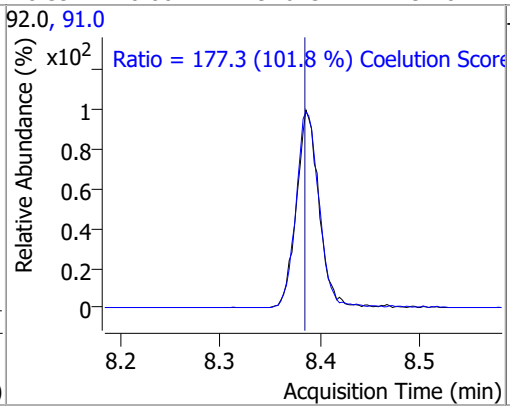


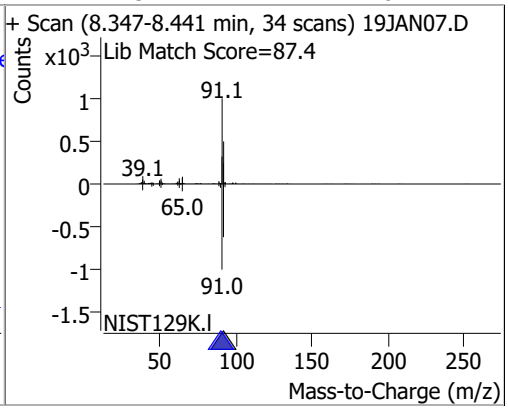
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	45.8435	8.32	0.00	142617	100.0	62.1	34.3	94.3
					99.0	9.4	0.0	39.2



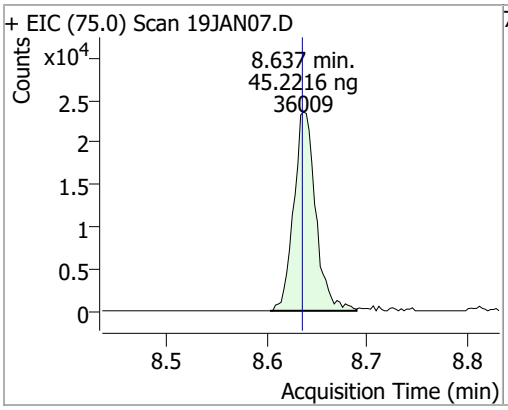
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	44.6630	8.39	0.00	92615	91.0	177.3	144.1	204.1

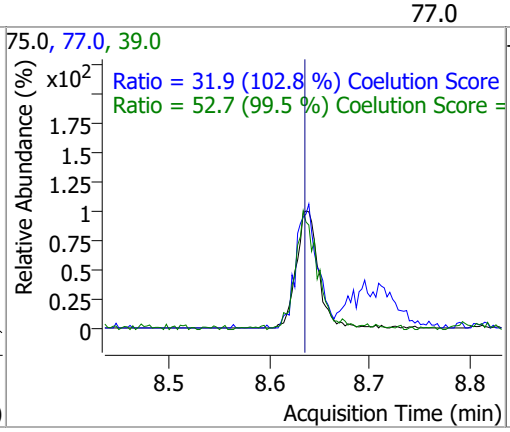


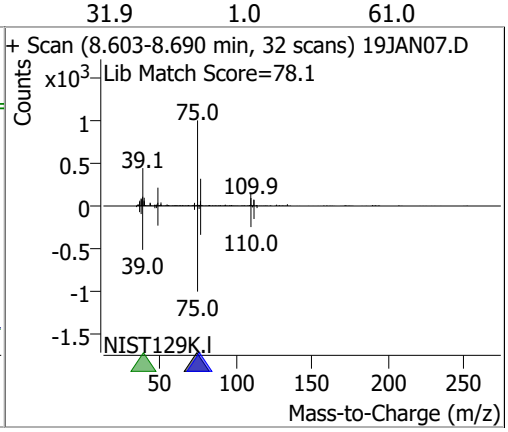




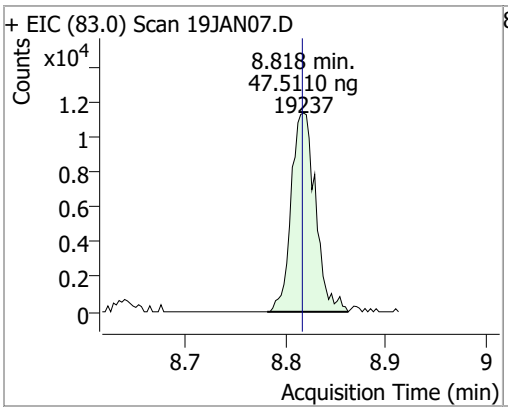
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	45.2216	8.64	0.00	36009	39.0	52.7	23.0	83.0
					77.0	31.9	1.0	61.0

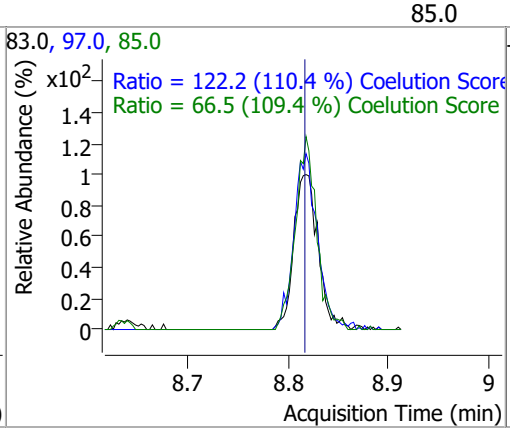


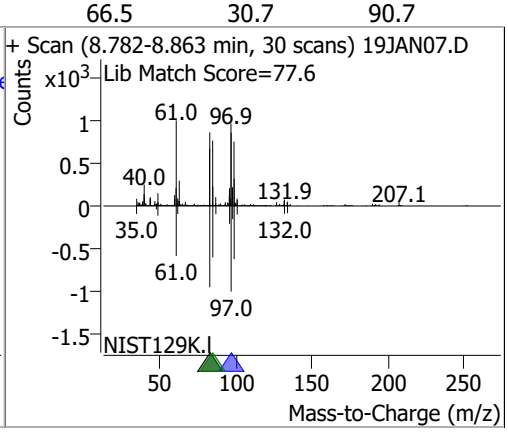




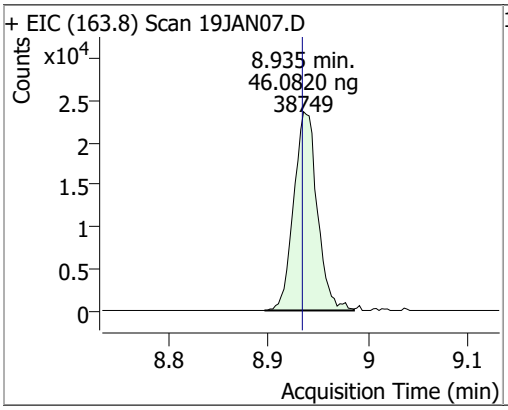
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	47.5110	8.82	0.00	19237	97.0	122.2	80.7	140.7
					85.0	66.5	30.7	90.7

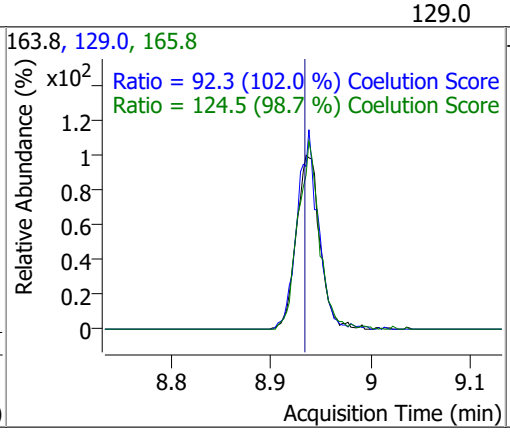


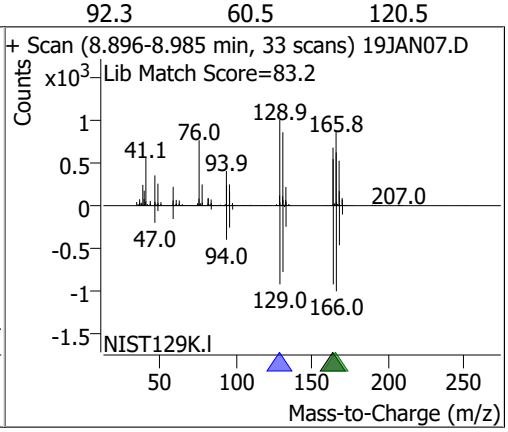




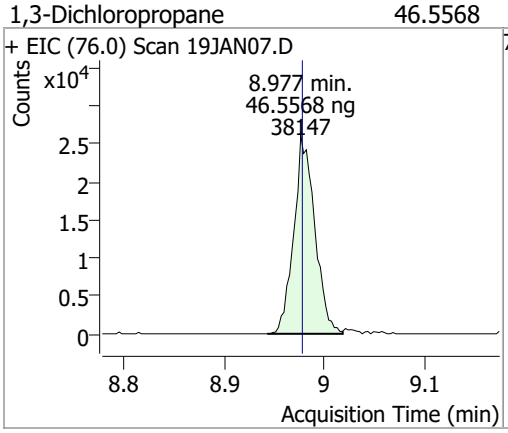
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	46.0820	8.94	0.00	38749	165.8	124.5	96.1	156.1
					129.0	92.3	60.5	120.5

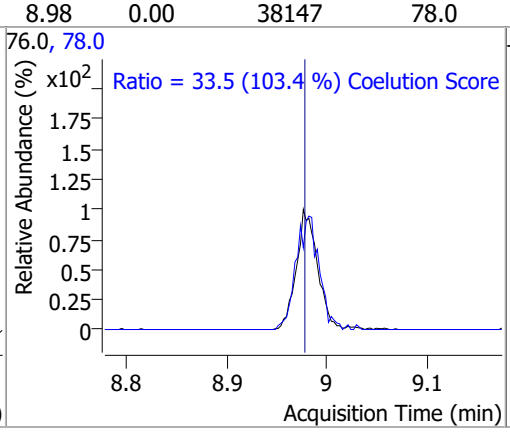


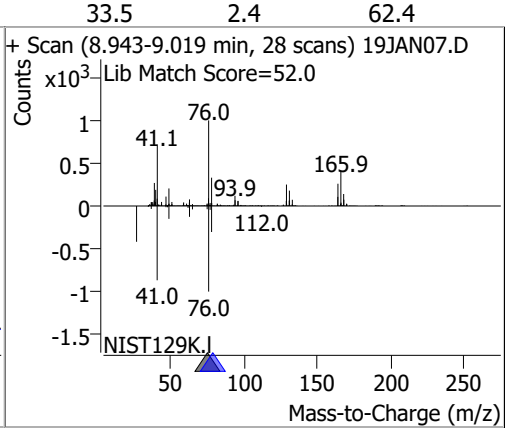




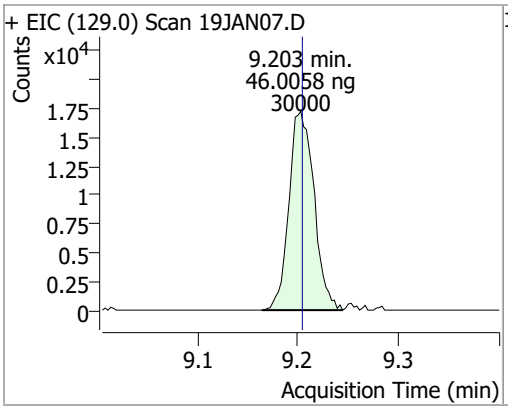
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	46.5568	8.98	0.00	38147	78.0	33.5	2.4	62.4

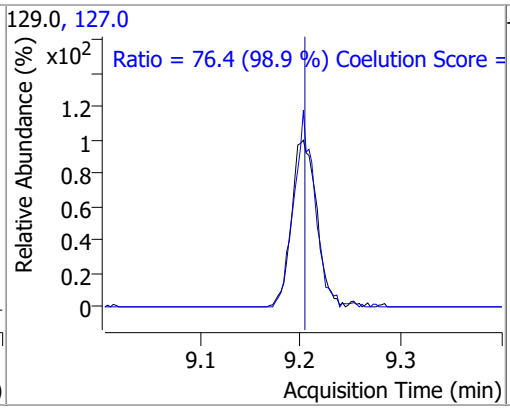


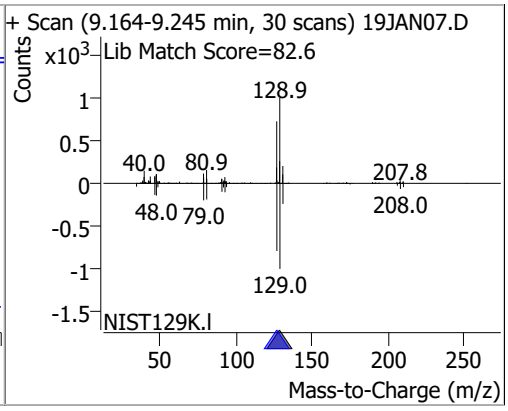




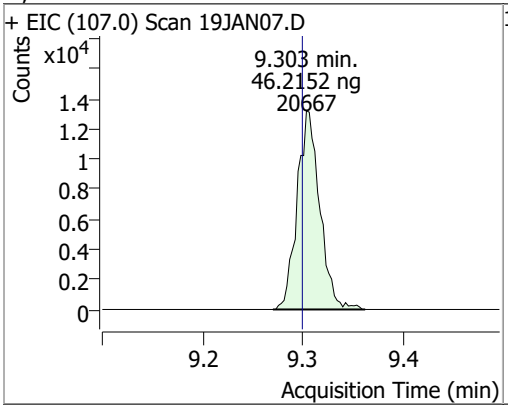
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	46.0058	9.20	0.00	30000	127.0	76.4	47.2	107.2

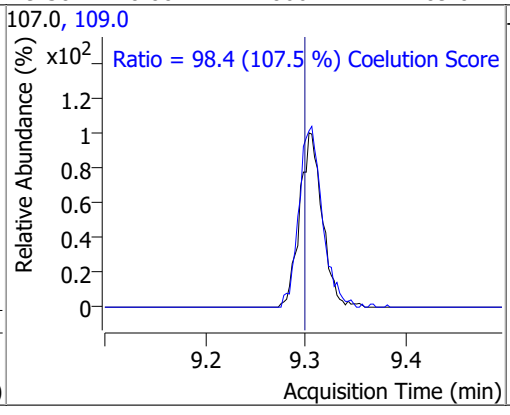


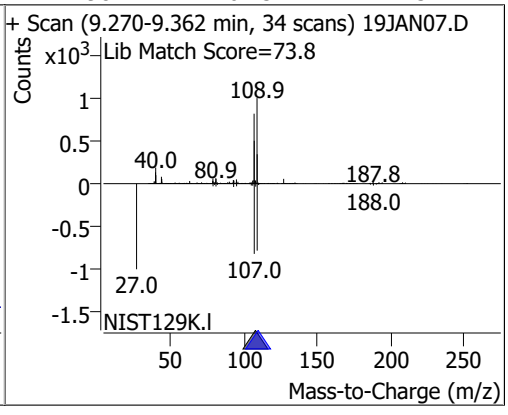




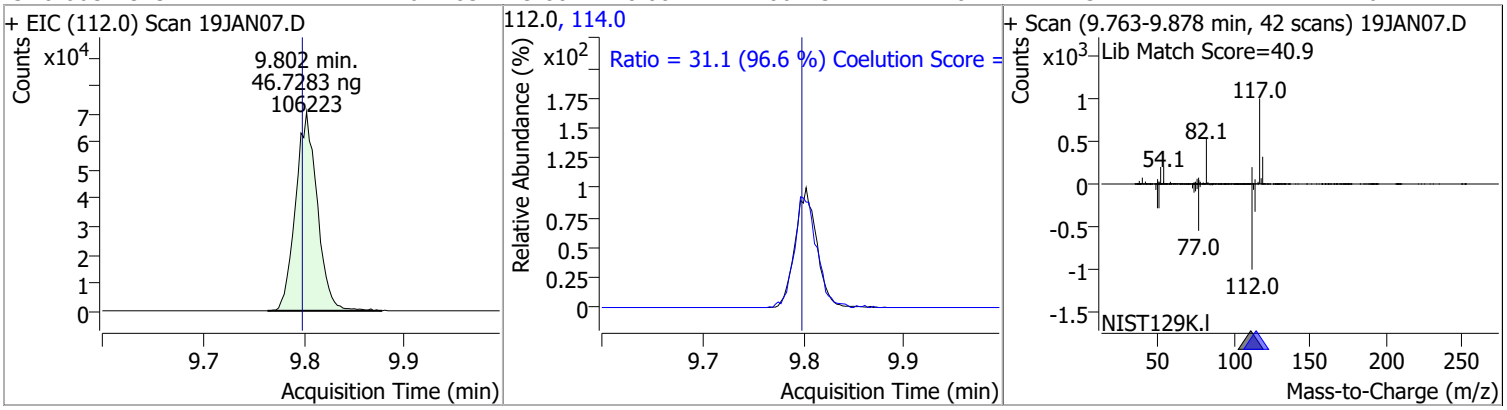
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	46.2152	9.30	0.00	20667	109.0	98.4	61.5	121.5



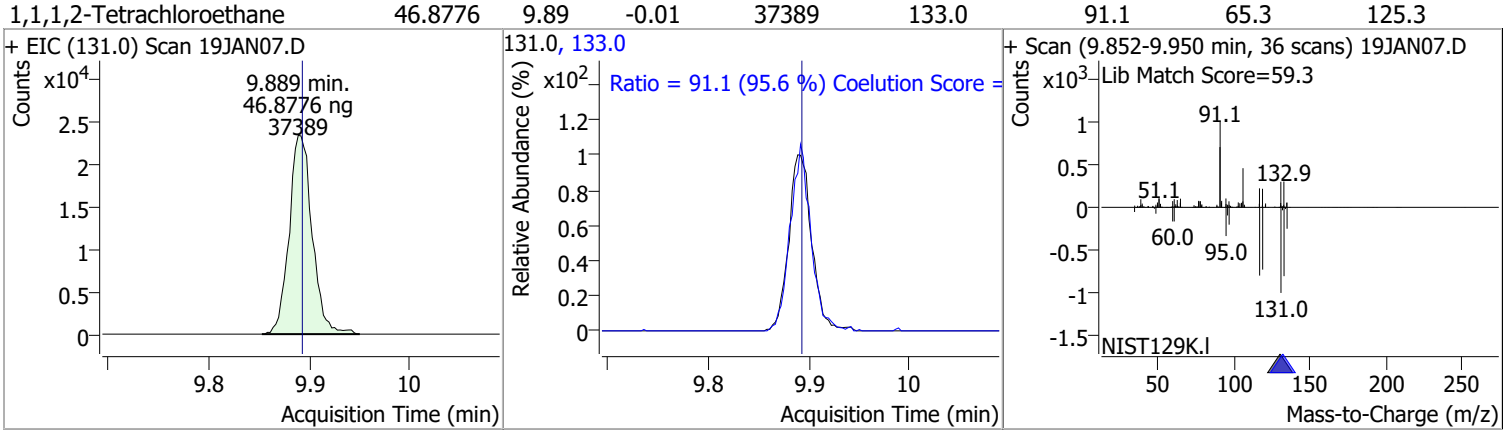




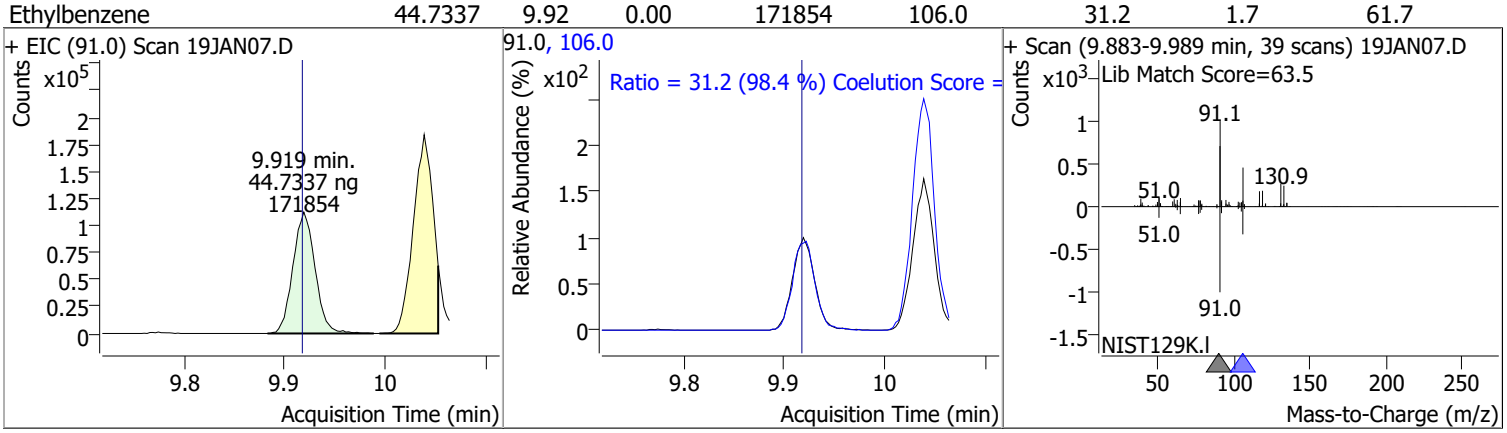
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	46.7283	9.80	0.00	106223	114.0	31.1	2.2	62.2



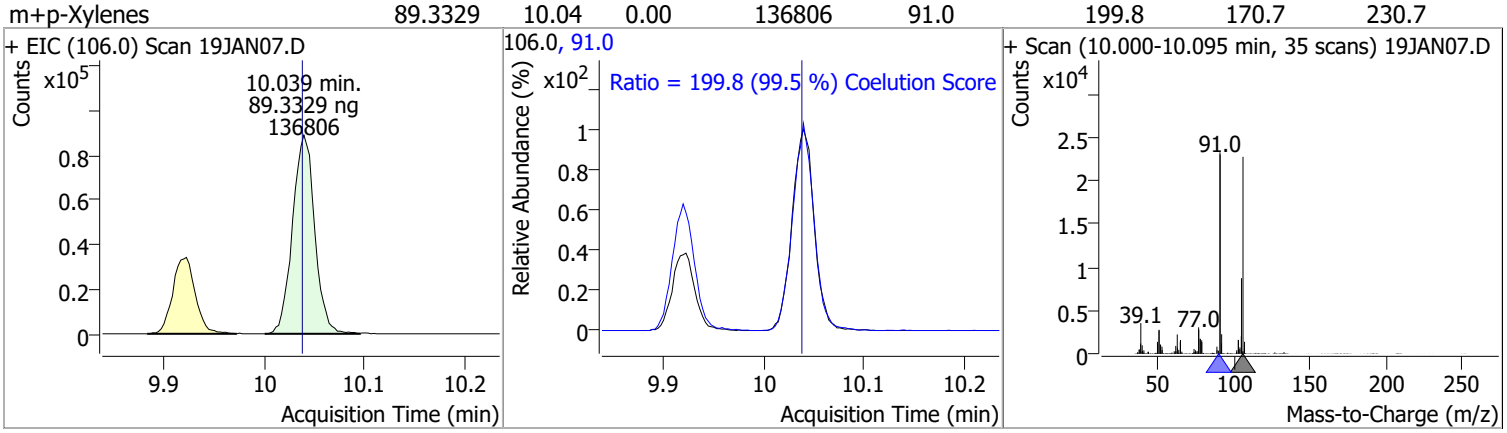
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	46.8776	9.89	-0.01	37389	133.0	91.1	65.3	125.3



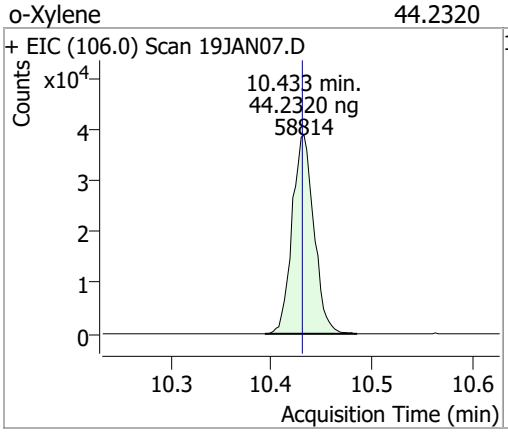
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	44.7337	9.92	0.00	171854	106.0	31.2	1.7	61.7

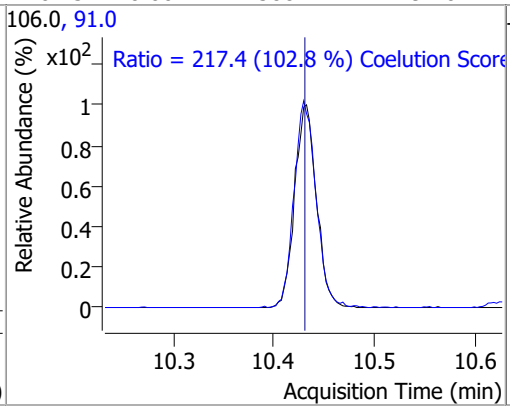


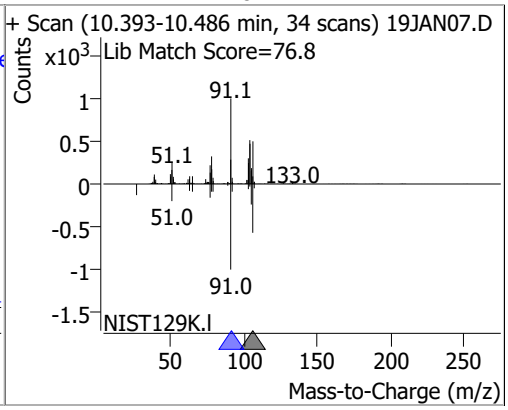
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	89.3329	10.04	0.00	136806	91.0	199.8	170.7	230.7



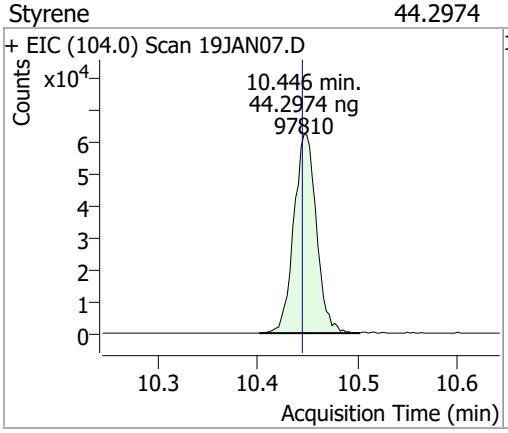
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	44.2320	10.43	0.00	58814	91.0	217.4	181.4	241.4

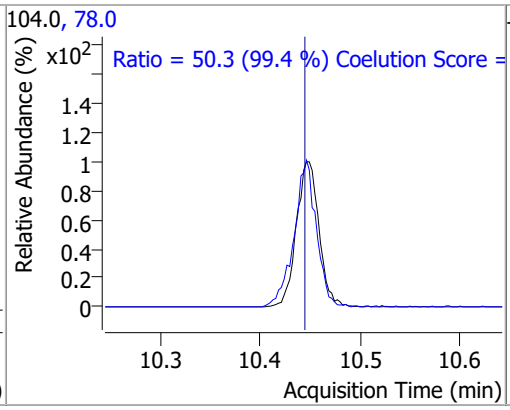


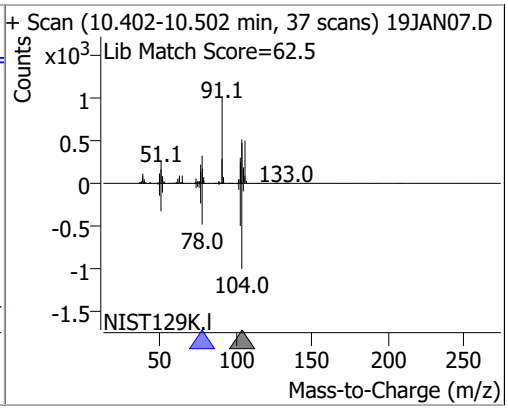




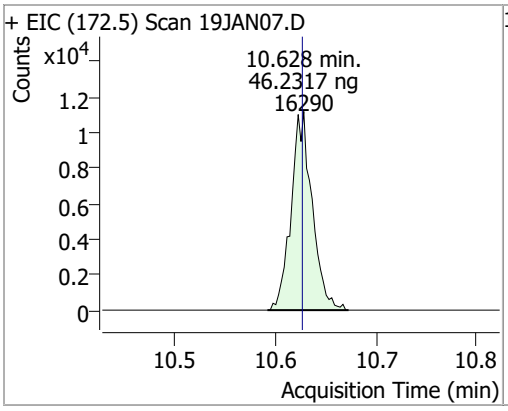
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	44.2974	10.45	0.00	97810	78.0	50.3	20.6	80.6

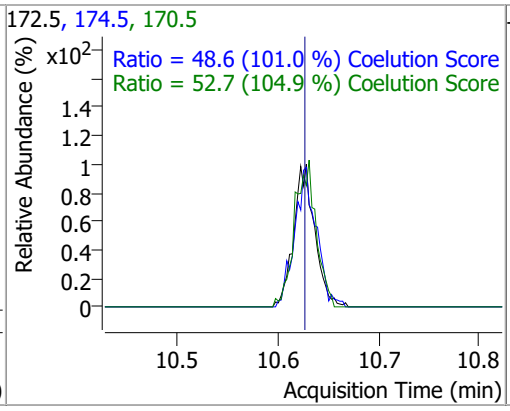


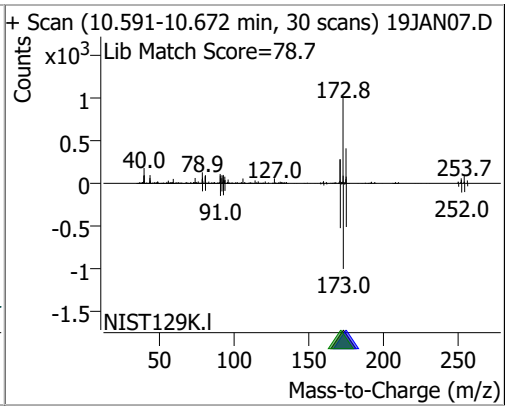




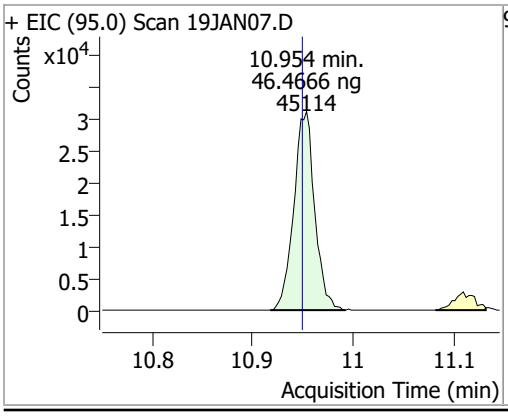
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	46.2317	10.63	0.00	16290	170.5	52.7	20.3	80.3
					174.5	48.6	18.1	78.1

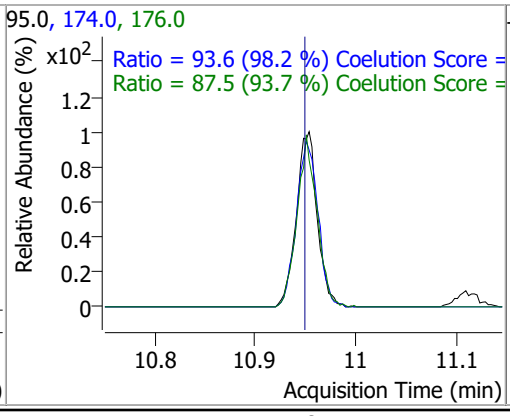


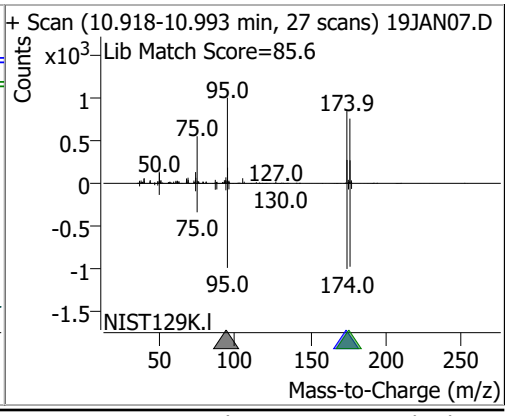




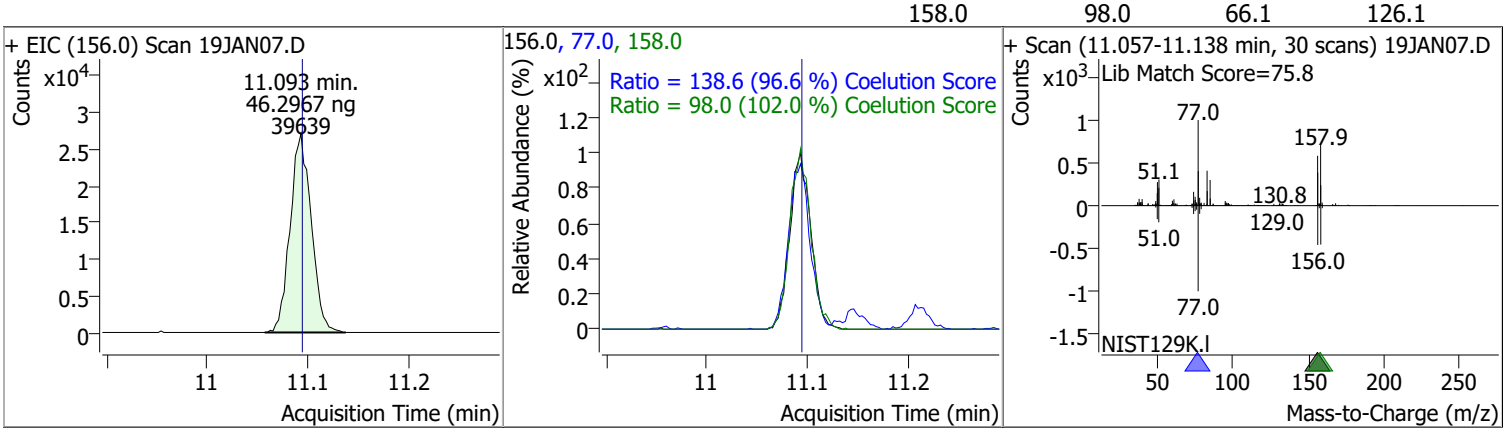
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	46.4666	10.95	0.01	45114	174.0	93.6	65.3	125.3
					176.0	87.5	63.3	123.3



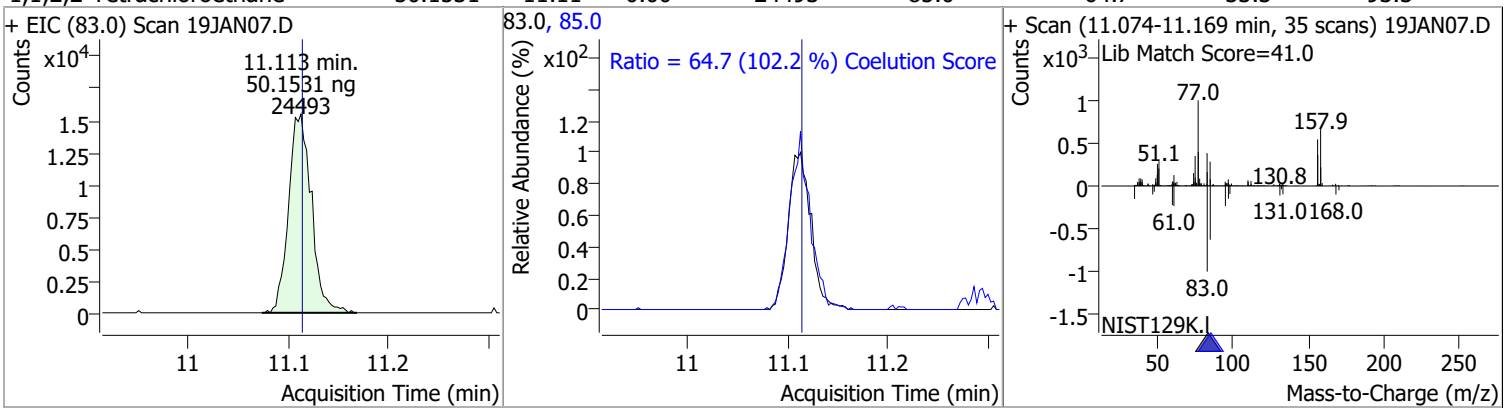




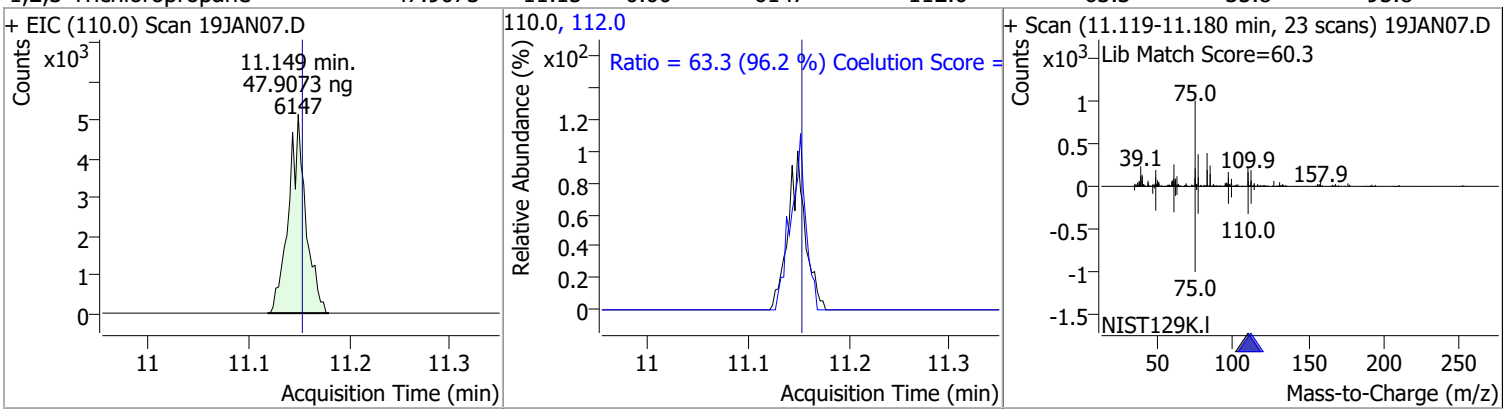
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	46.2967	11.09	0.00	39639	77.0	138.6	113.5	173.5
					158.0	98.0	66.1	126.1



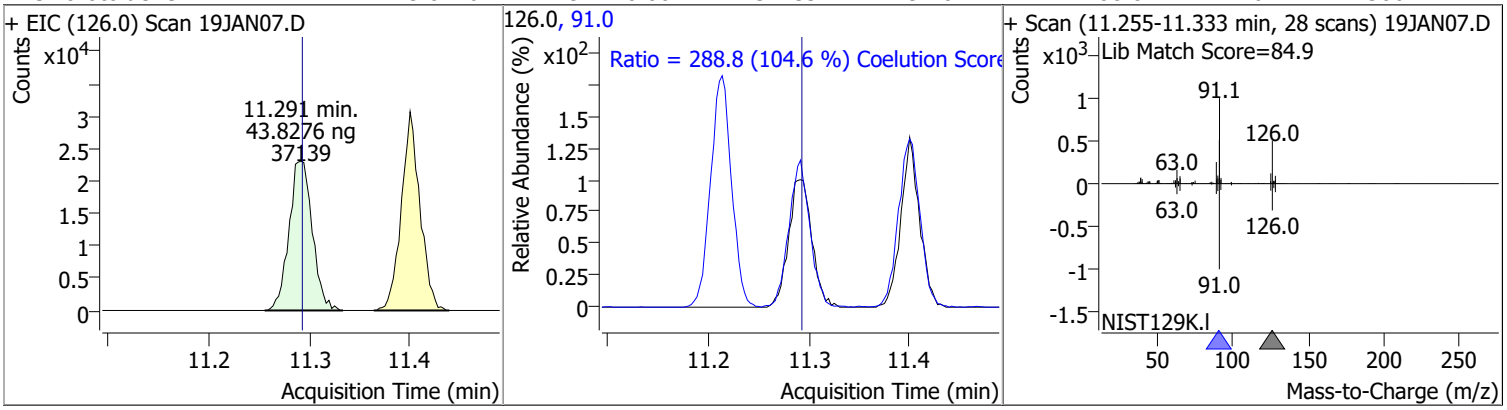
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	50.1531	11.11	0.00	24493	85.0	64.7	33.3	93.3



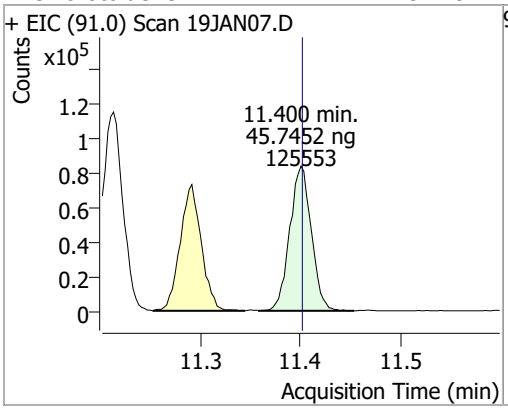
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	47.9073	11.15	0.00	6147	112.0	63.3	35.8	95.8

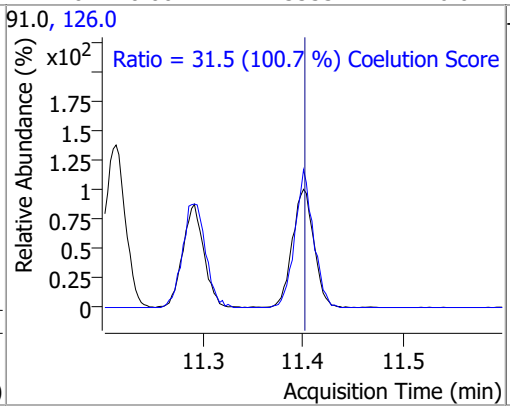


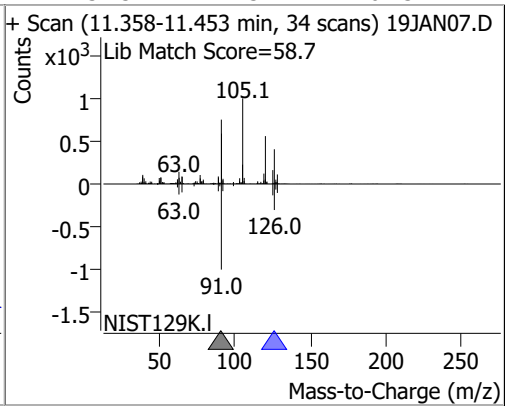
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	43.8276	11.29	0.00	37139	91.0	288.8	246.2	306.2



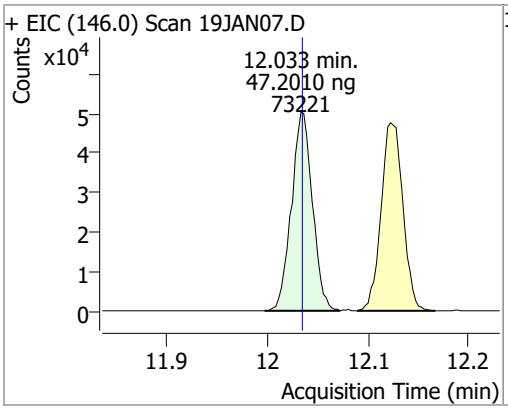
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	45.7452	11.40	0.00	125553	126.0	31.5	1.3	61.3

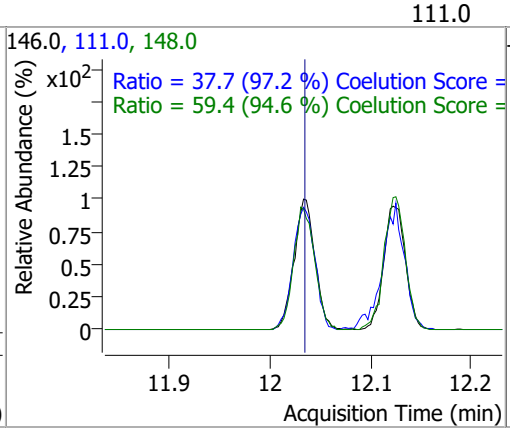


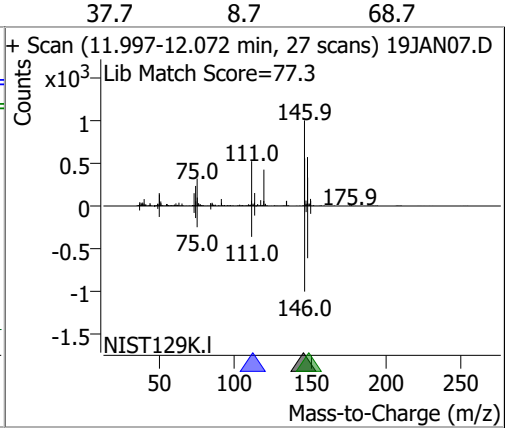




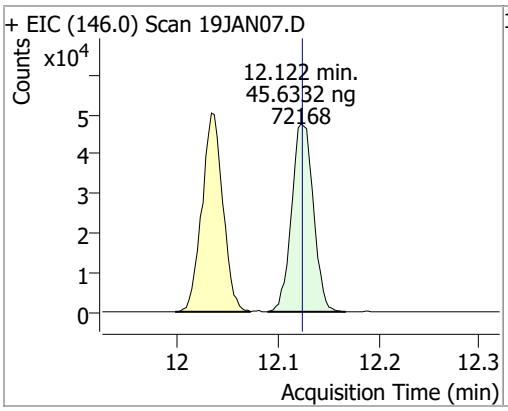
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	47.2010	12.03	0.00	73221	148.0	59.4	32.8	92.8
					111.0	37.7	8.7	68.7

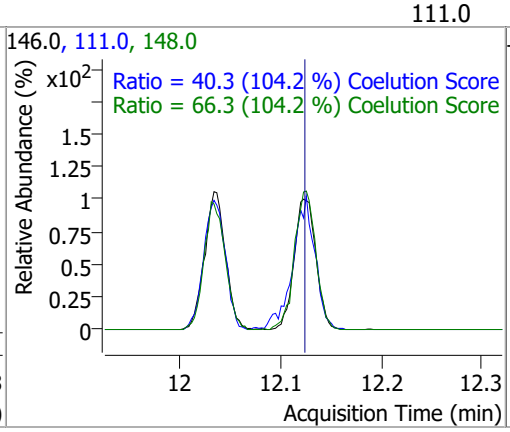


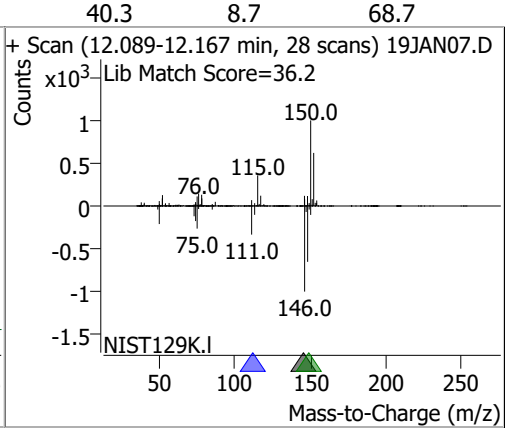




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	45.6332	12.12	0.00	72168	148.0	66.3	33.7	93.7
					111.0	40.3	8.7	68.7

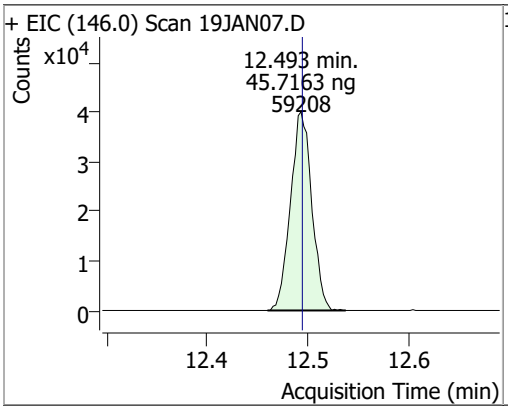


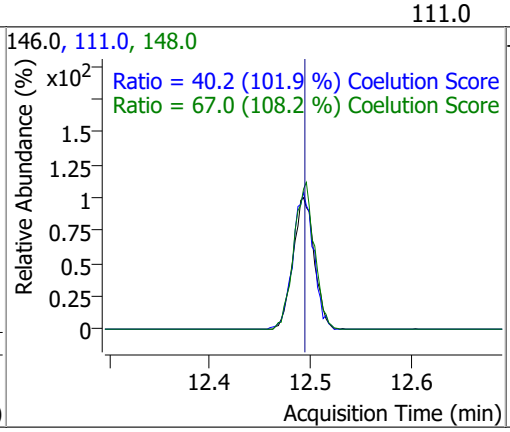


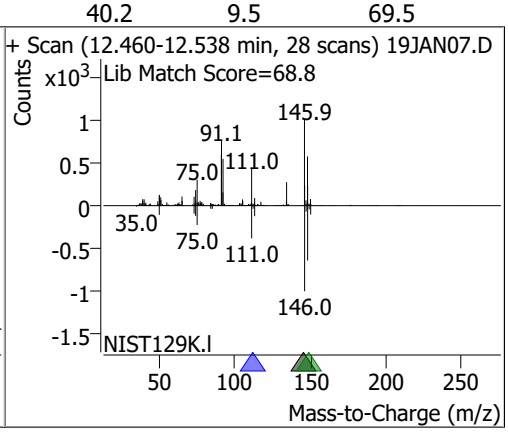


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	45.7163	12.49	0.00	59208	148.0	67.0	31.9	91.9
					111.0	40.2	9.5	69.5

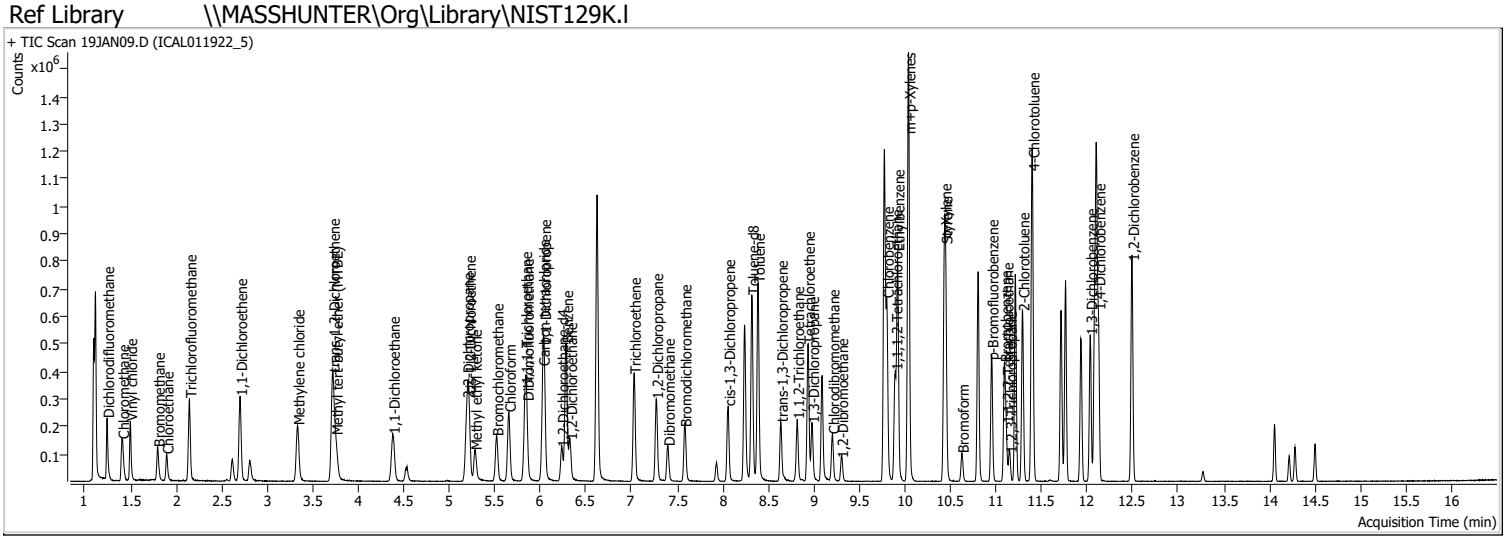






Quantitation Results Report (QT Reviewed)

Data File	19JAN09.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	1/19/2022 1:04:20 PM
Sample Name	ICAL011922_5	Instrument	VOA5975C
Vial	9	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG011922_8260B.batch.bin	Last Calib Update	1/20/2022 9:28:12 AM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

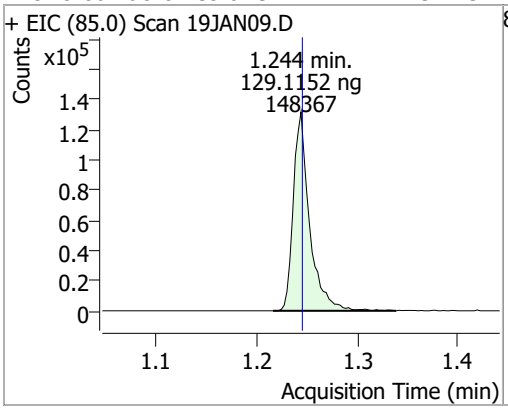


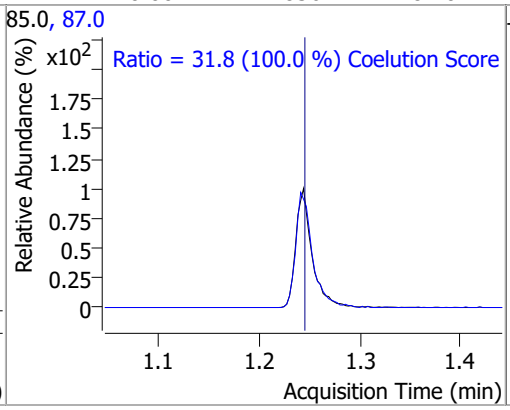
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	854591	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	330468	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	278012	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.851	113.0	100821	121.8025	ng		0.000
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 48.72%		*	
S 1,2-Dichloroethane-d4	6.230	67.0	45314	126.7303	ng		0.000
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 50.69%		*	
S Toluene-d8	8.319	98.0	412799	128.0381	ng		0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 51.22%		*	
S p-Bromofluorobenzene	10.948	95.0	128330	125.0189	ng		0.000
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 50.01%		*	
Target Compounds							**QValue**
T Dichlorodifluoromethane	1.244	85.0	148367	129.1152	ng		100
T Chloromethane	1.408	50.0	170190	125.7991	ng		100
T Vinyl chloride	1.498	62.0	153733	124.8408	ng		100
T Bromomethane	1.799	96.0	59520	112.1810	ng		100
T Chloroethane	1.897	64.0	65407	112.2655	ng		100
T Trichlorofluoromethane	2.147	101.0	193579	131.0926	ng		100
T 1,1-Dichloroethene	2.702	96.0	105649	122.9596	ng		100
T Methylene chloride	3.333	49.0	149957	120.0395	ng		100
T trans-1,2-Dichloroethene	3.720	96.0	110255	124.2147	ng		100
T Methyl tert-butyl ether (MTBE)	3.754	73.0	136973	123.4648	ng		100
T 1,1-Dichloroethane	4.378	63.0	205663	123.8038	ng		100
T 2,2-Dichloropropane	5.193	77.0	153450	122.5736	ng		100
T cis-1,2-Dichloroethene	5.215	96.0	112808	125.5204	ng		100
T Methyl ethyl ketone	5.279	43.0	154105	1186.5197	ng		100
T Bromochloromethane	5.516	128.0	45958	124.0258	ng		100
T Chloroform	5.653	83.0	196261	118.3246	ng		100

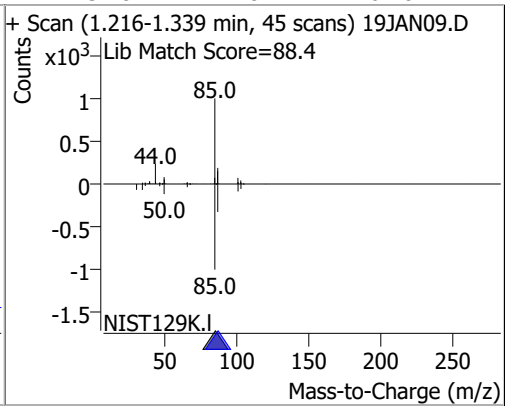
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	5.831	97.0	189468	123.8043	ng	100
T Carbon tetrachloride	6.024	117.0	183978	123.9520	ng	100
T 1,1-Dichloropropene	6.040	75.0	156331	125.9718	ng	100
T Benzene	6.283	78.0	424881	124.4545	ng	100
T 1,2-Dichloroethane	6.325	62.0	109046	115.6442	ng	100
T Trichloroethene	7.025	95.0	120511	121.8095	ng	100
T 1,2-Dichloropropane	7.270	63.0	106955	122.9589	ng	100
T Dibromomethane	7.398	93.0	44657	121.7998	ng	100
T Bromodichloromethane	7.580	83.0	124982	121.2255	ng	100
T cis-1,3-Dichloropropene	8.059	75.0	139607	123.4003	ng	100
T Toluene	8.386	92.0	269549	125.4292	ng	100
T trans-1,3-Dichloropropene	8.637	75.0	102846	124.6280	ng	100
T 1,1,2-Trichloroethane	8.818	83.0	52780	125.7824	ng	100
T Tetrachloroethene	8.935	163.8	109194	125.3035	ng	100
T 1,3-Dichloropropane	8.980	76.0	101384	119.3950	ng	100
T Chlorodibromomethane	9.206	129.0	83172	123.0729	ng	100
T 1,2-Dibromoethane	9.300	107.0	58489	126.2047	ng	100
T Chlorobenzene	9.800	112.0	289340	122.8185	ng	100
T 1,1,1,2-Tetrachloroethane	9.894	131.0	101500	122.7951	ng	100
T Ethylbenzene	9.919	91.0	505127	123.1021	ng	100
T m+p-Xylenes	10.039	106.0	405724	248.1048	ng	100
T o-Xylene	10.433	106.0	179108	125.1872	ng	100
T Styrene	10.446	104.0	292722	123.7696	ng	100
T Bromoform	10.625	172.5	45045	120.9158	ng	100
T Bromobenzene	11.093	156.0	112733	124.5365	ng	100
T 1,1,2,2-Tetrachloroethane	11.113	83.0	62640	121.3181	ng	100
T 1,2,3-Trichloropropane	11.152	110.0	16355	120.5610	ng	100
T 2-Chlorotoluene	11.291	126.0	114135	127.3956	ng	100
T 4-Chlorotoluene	11.400	91.0	375931	129.5521	ng	100
T 1,3-Dichlorobenzene	12.033	146.0	200403	122.1906	ng	100
T 1,4-Dichlorobenzene	12.122	146.0	205880	123.1312	ng	100
T 1,2-Dichlorobenzene	12.493	146.0	169723	123.9507	ng	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

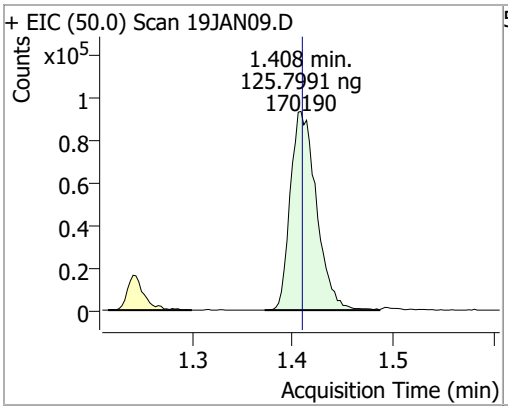
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	129.1152	1.24	0.00	148367	87.0	31.8	1.8	61.8

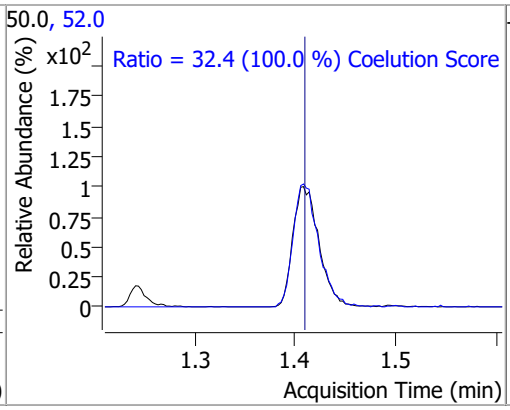


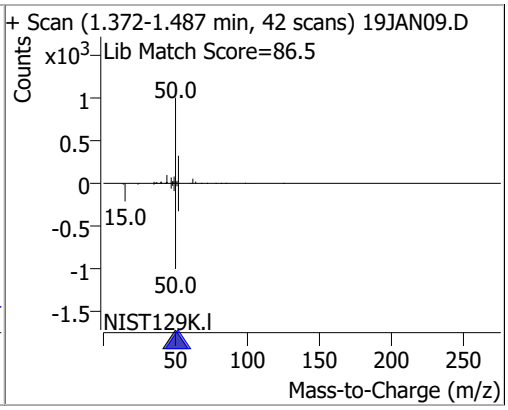




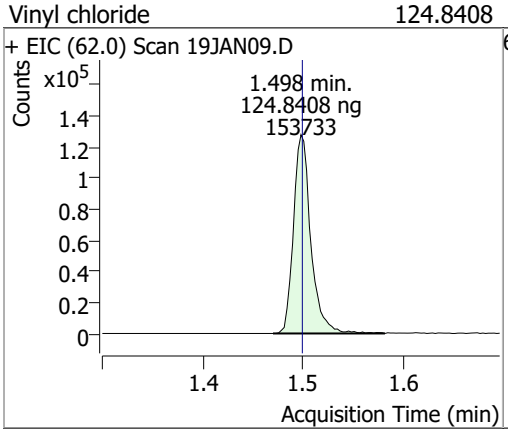
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	125.7991	1.41	0.00	170190	52.0	32.4	2.4	62.4

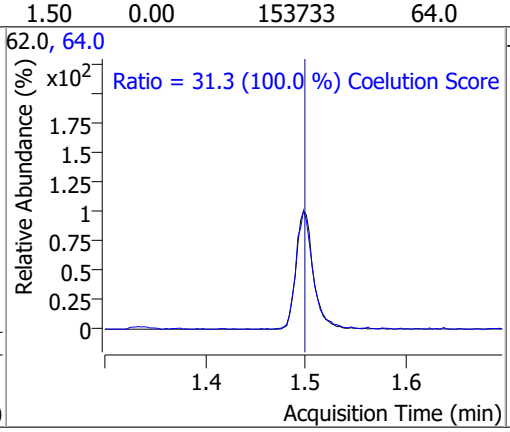


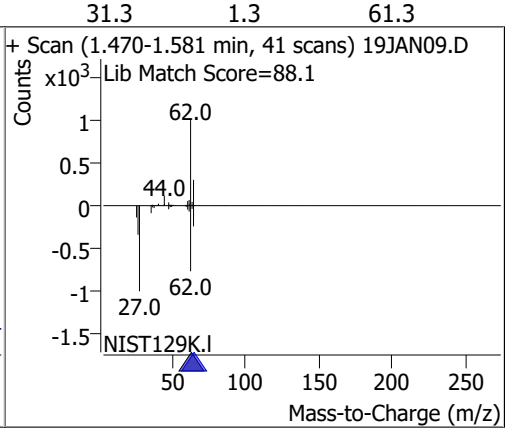




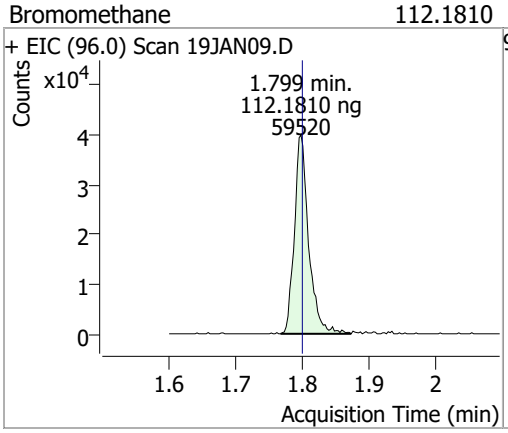
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	124.8408	1.50	0.00	153733	64.0	31.3	1.3	61.3

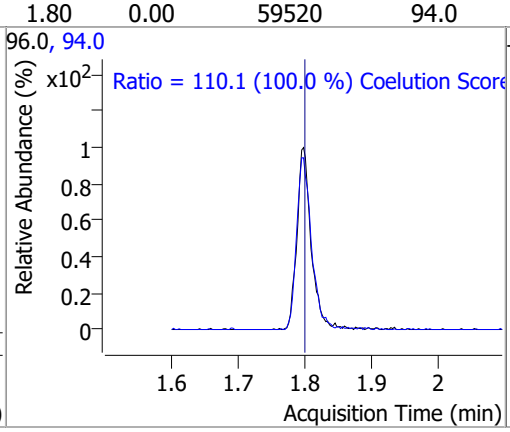


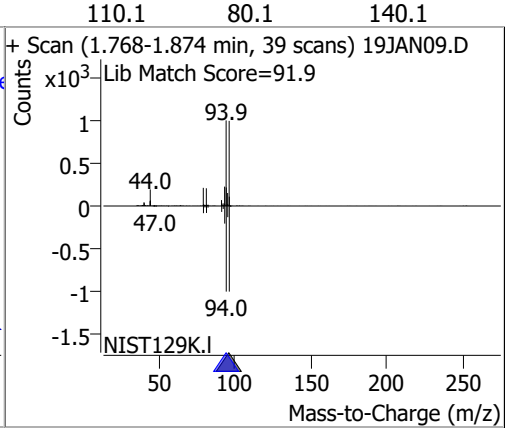




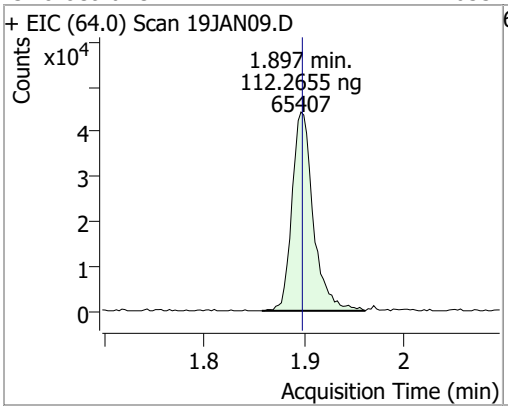
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	112.1810	1.80	0.00	59520	94.0	110.1	80.1	140.1

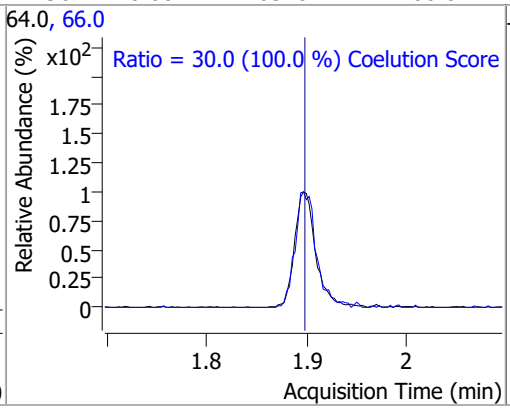


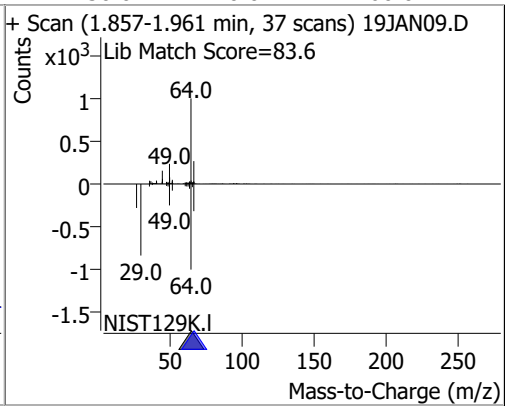




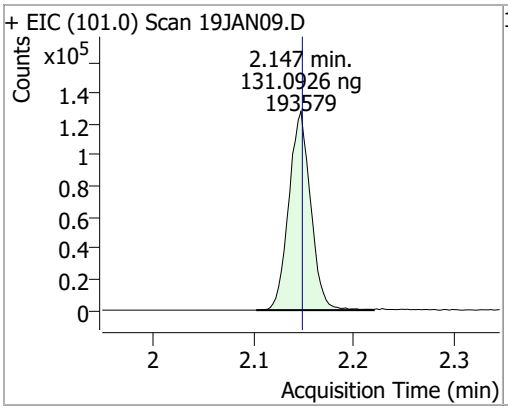
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	112.2655	1.90	0.00	65407	66.0	30.0	0.0	60.0

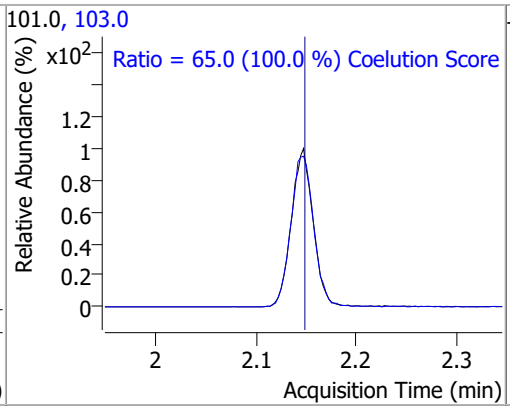


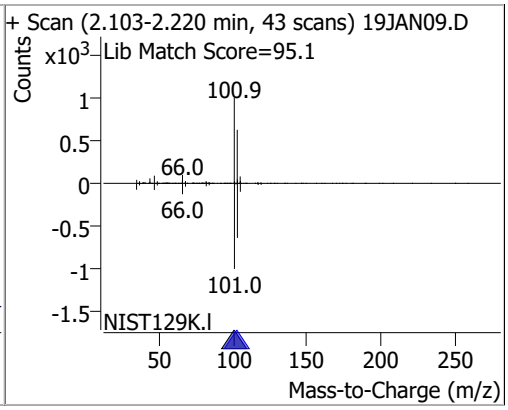




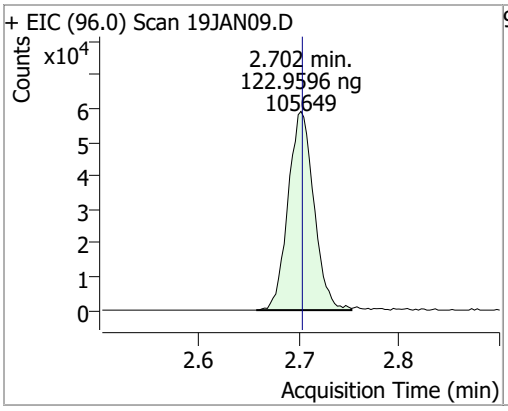
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	131.0926	2.15	0.00	193579	103.0	65.0	35.0	95.0

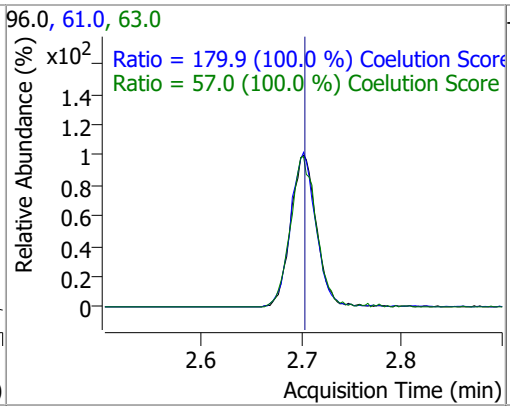


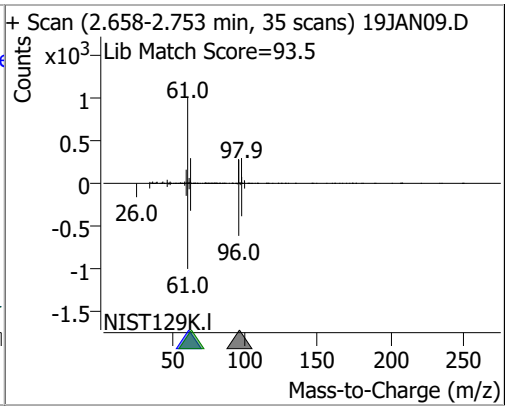




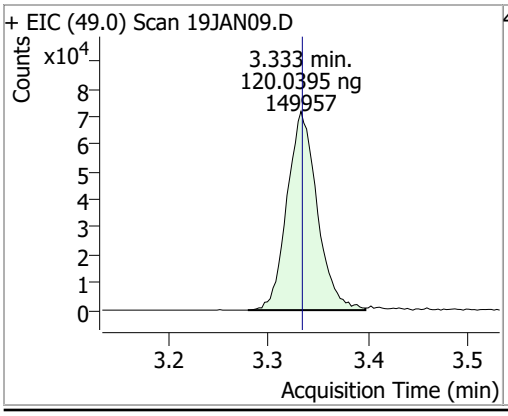
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	122.9596	2.70	0.00	105649	61.0	179.9	149.9	209.9
					63.0	57.0	27.0	87.0

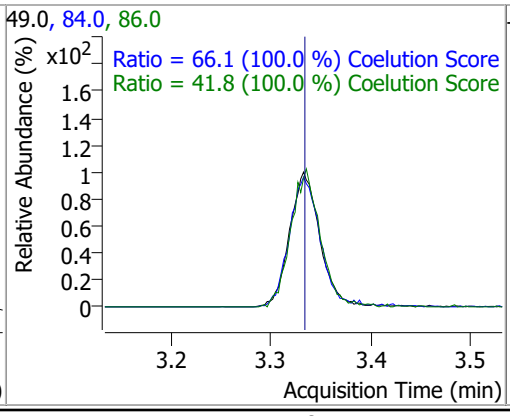


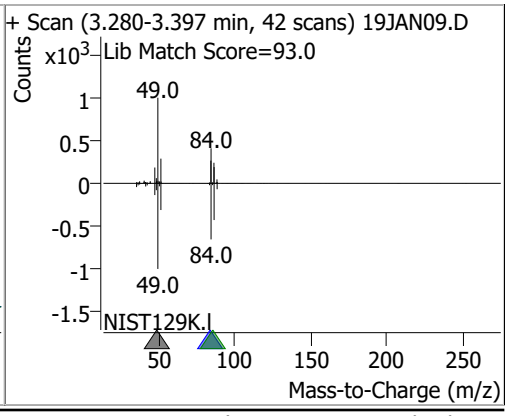




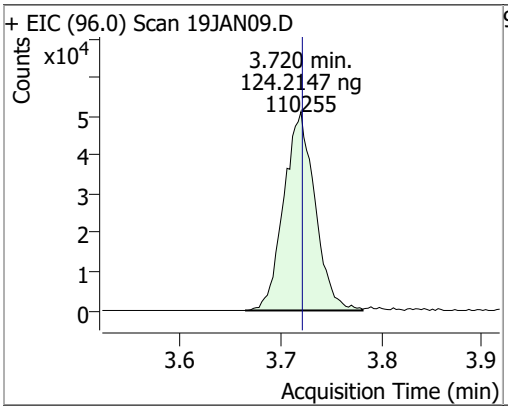
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	120.0395	3.33	0.00	149957	84.0	66.1	36.1	96.1
					86.0	41.8	11.8	71.8

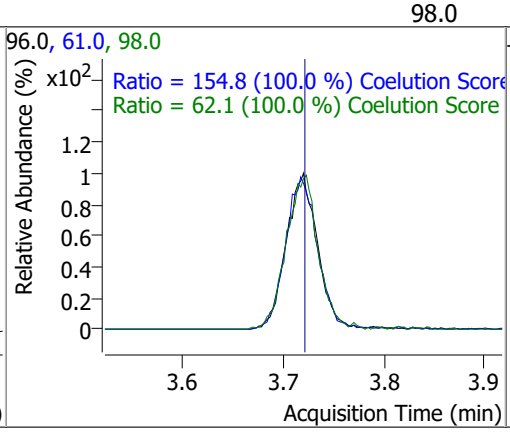


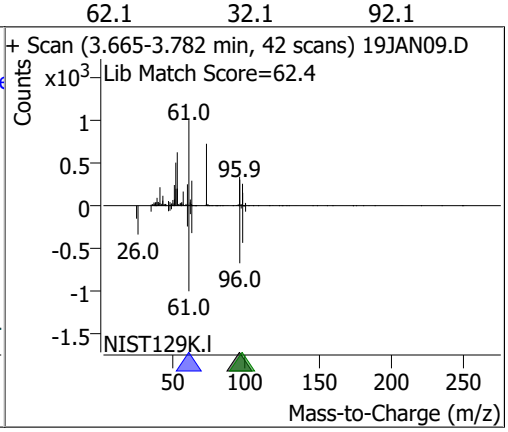




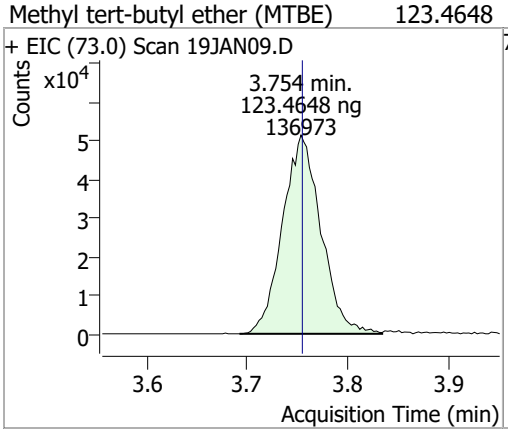
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	124.2147	3.72	0.00	110255	61.0	154.8	124.8	184.8
					98.0	62.1	32.1	92.1

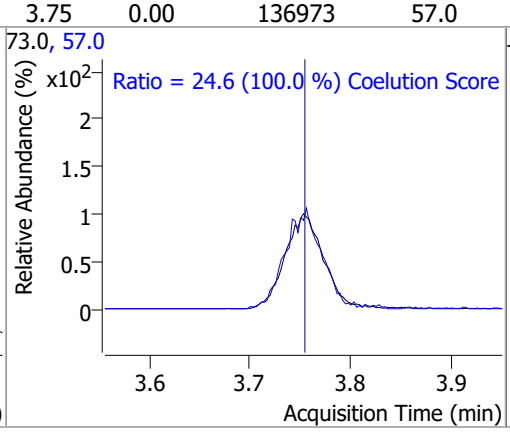


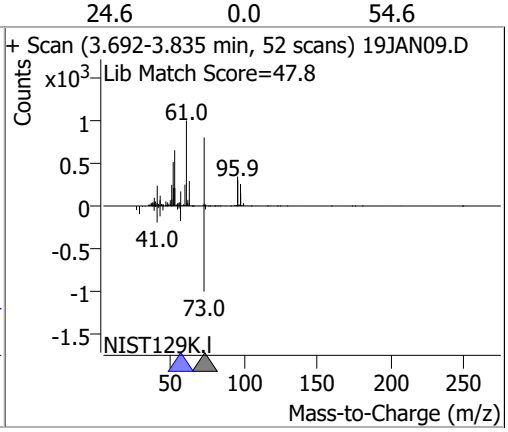




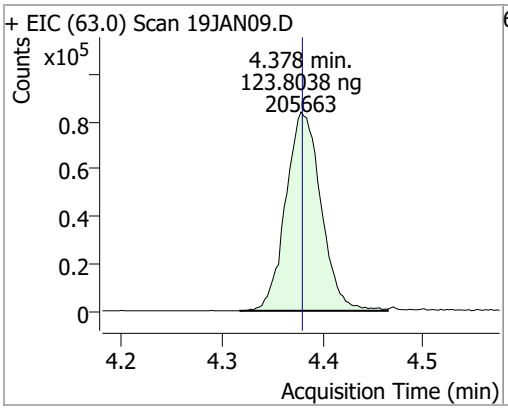
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	123.4648	3.75	0.00	136973	57.0	24.6	0.0	54.6

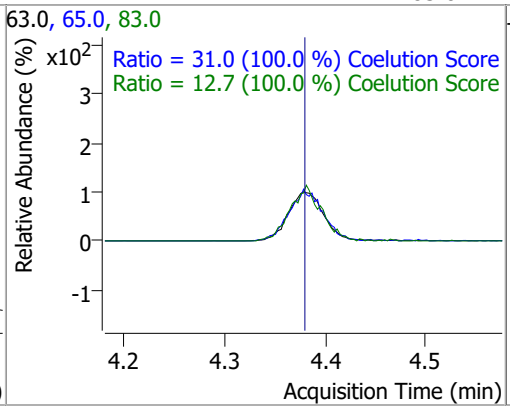


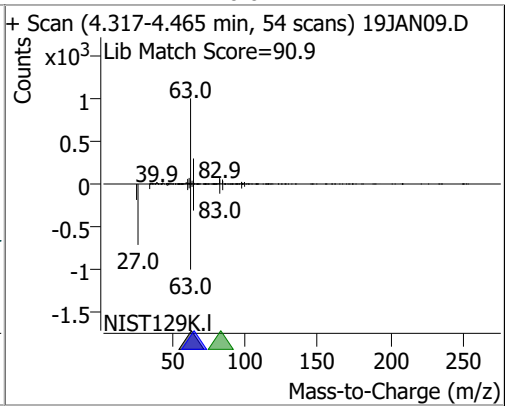




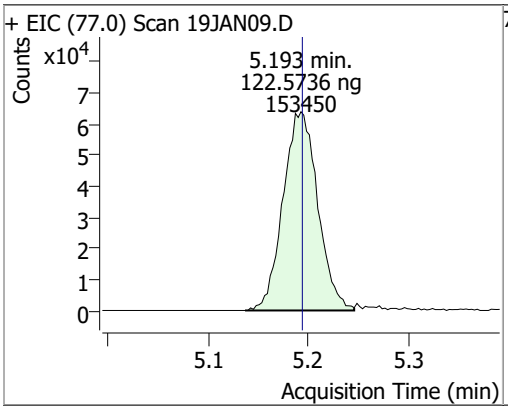
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	123.8038	4.38	0.00	205663	65.0	31.0	1.0	61.0
					83.0	12.7	0.0	42.7

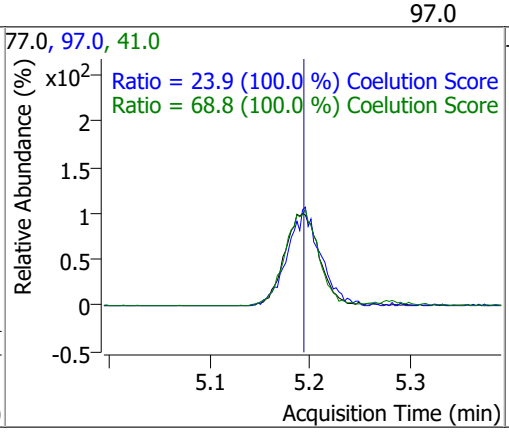


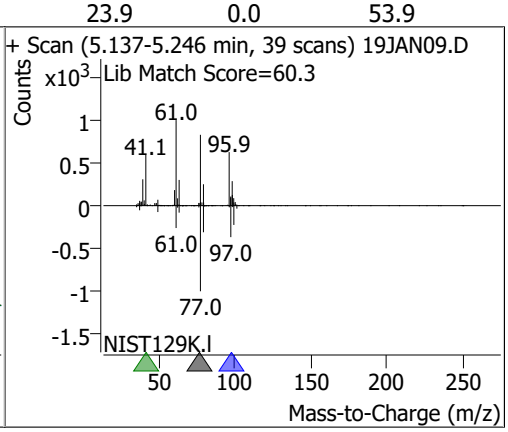




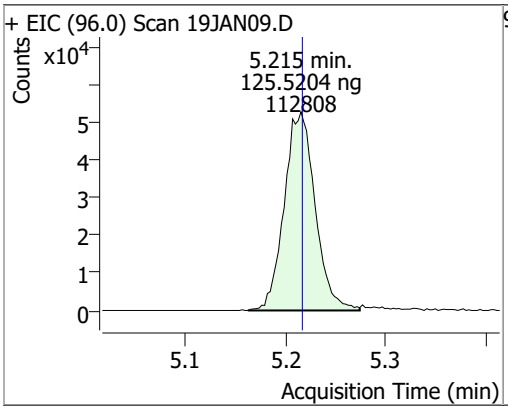
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	122.5736	5.19	0.00	153450	41.0	68.8	38.8	98.8
					97.0	23.9	0.0	53.9

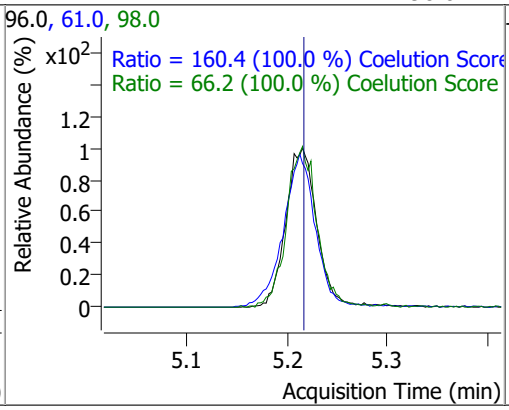


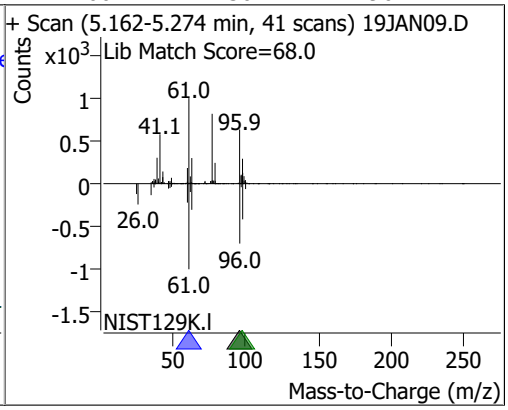




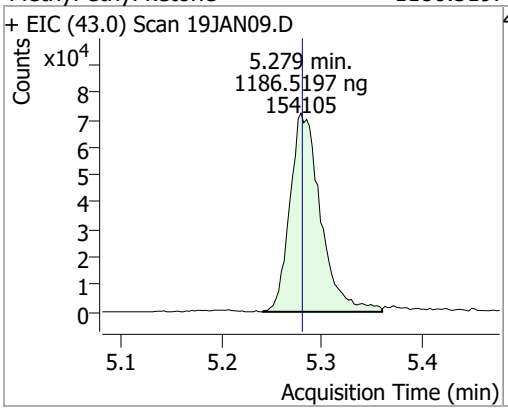
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	125.5204	5.21	0.00	112808	61.0	160.4	130.4	190.4
					98.0	66.2	36.2	96.2

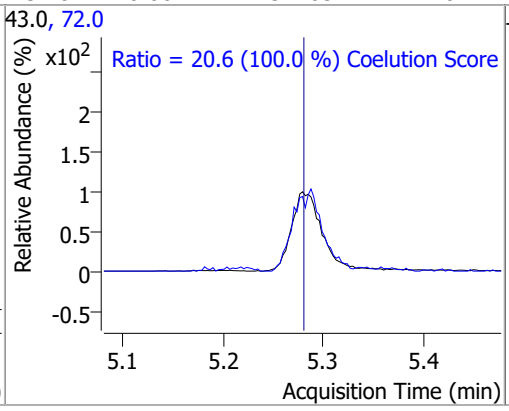


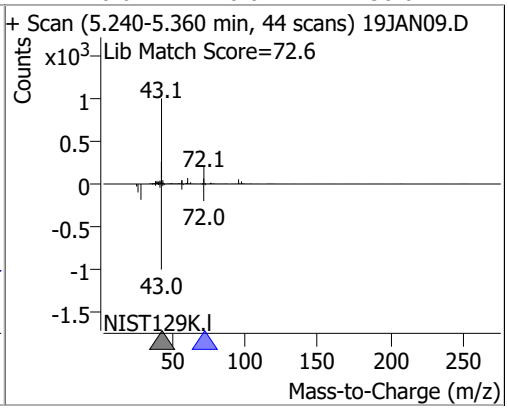




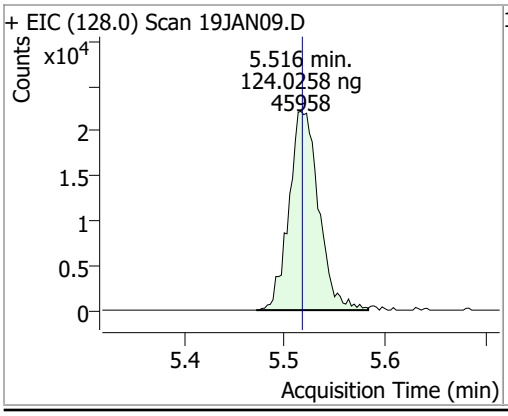
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	1186.5197	5.28	0.00	154105	72.0	20.6	0.0	50.6

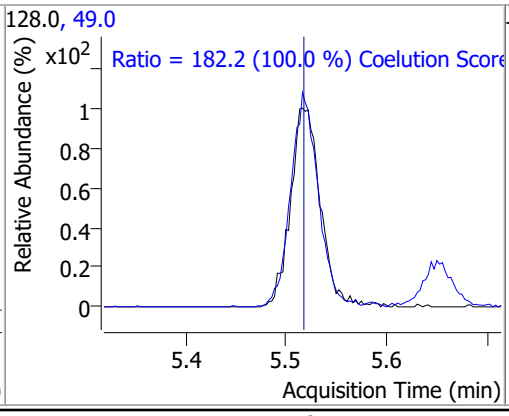


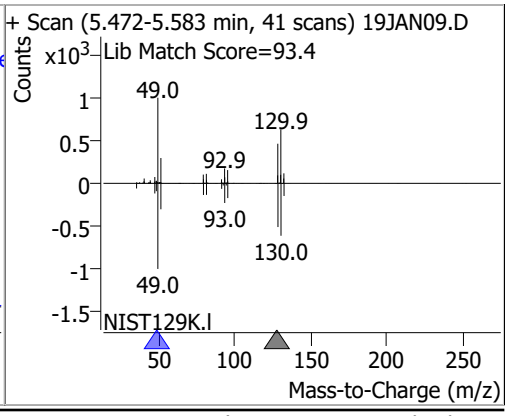




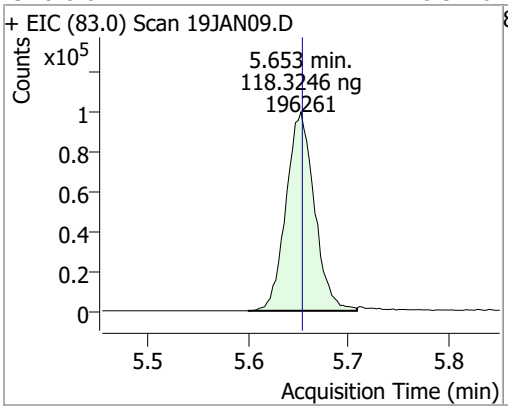
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	124.0258	5.52	0.00	45958	49.0	182.2	152.2	212.2

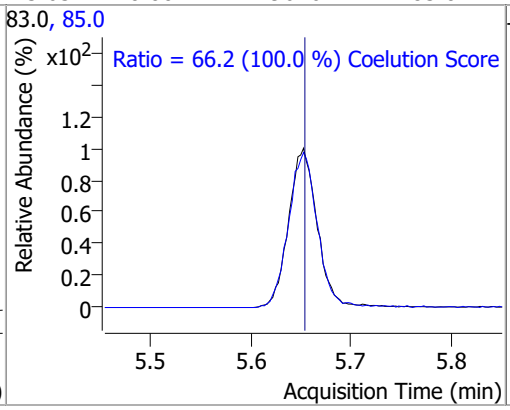


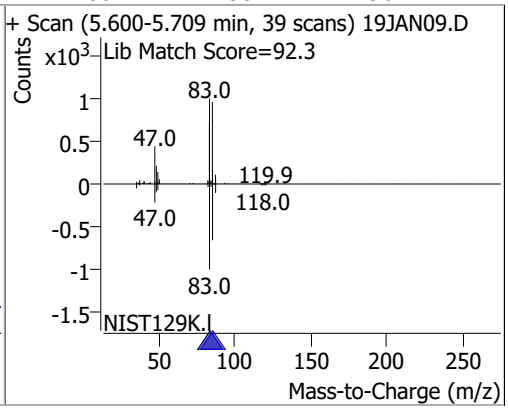




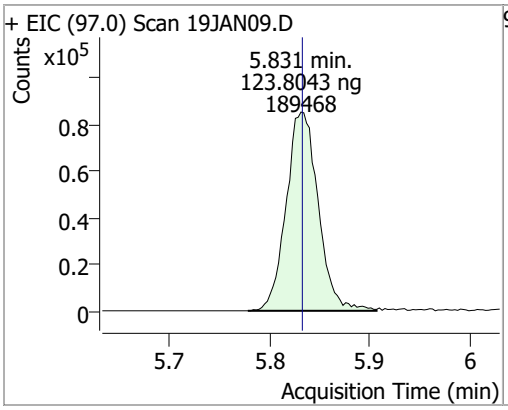
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	118.3246	5.65	0.00	196261	85.0	66.2	36.2	96.2

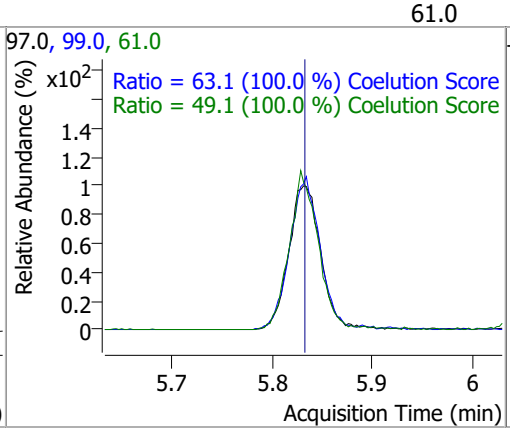


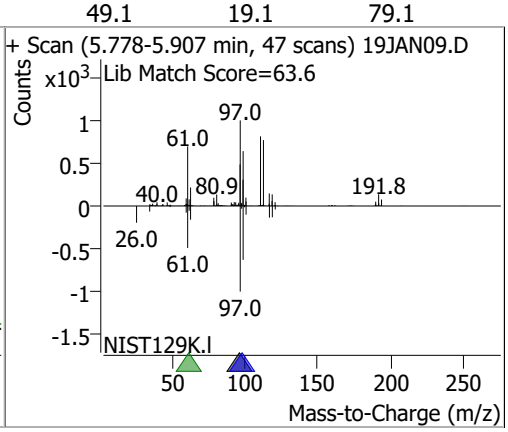




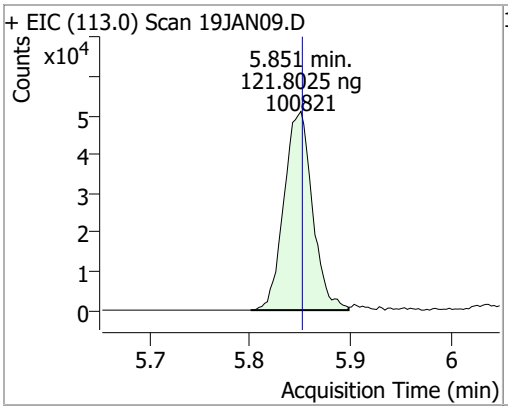
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	123.8043	5.83	0.00	189468	99.0	63.1	33.1	93.1
					61.0	49.1	19.1	79.1

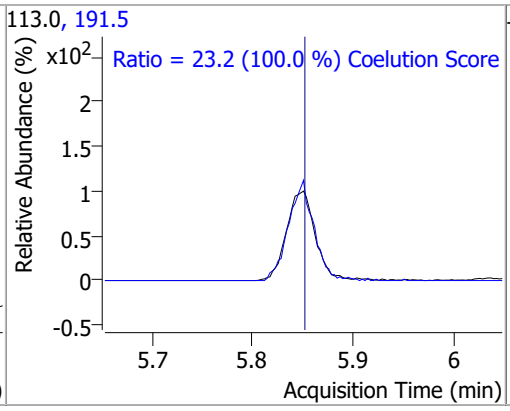


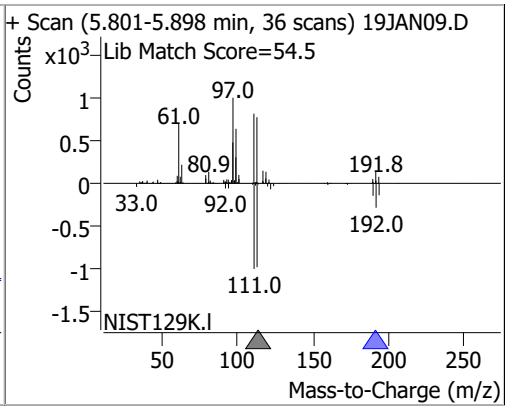




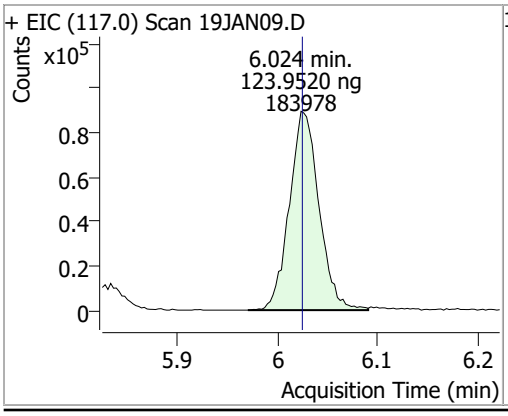
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	121.8025	5.85	0.00	100821	191.5	23.2	0.0	53.2

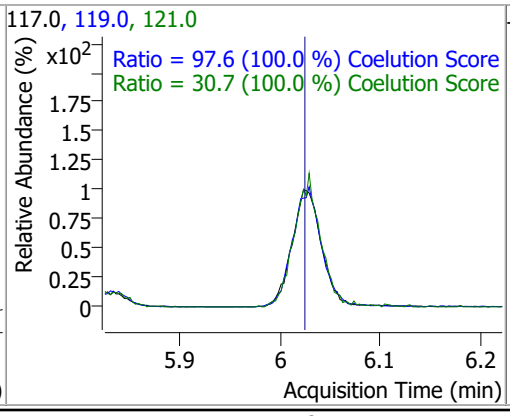


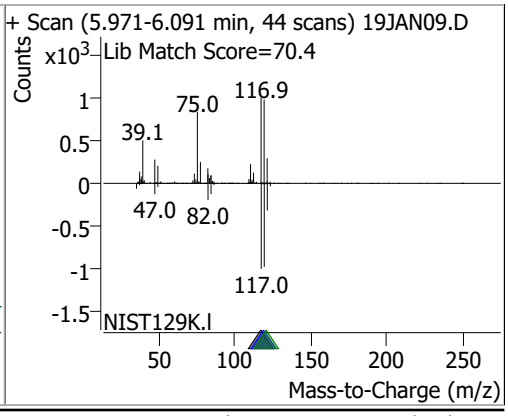




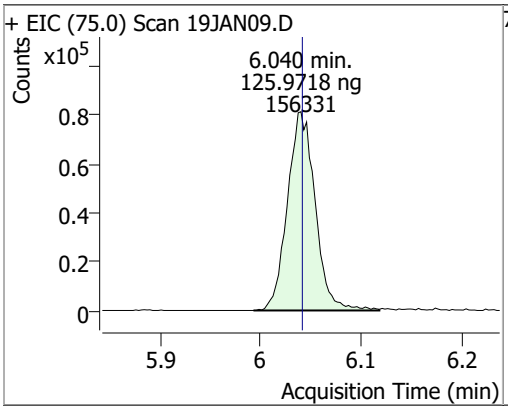
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	123.9520	6.02	0.00	183978	119.0	97.6	67.6	127.6
					121.0	30.7	0.7	60.7

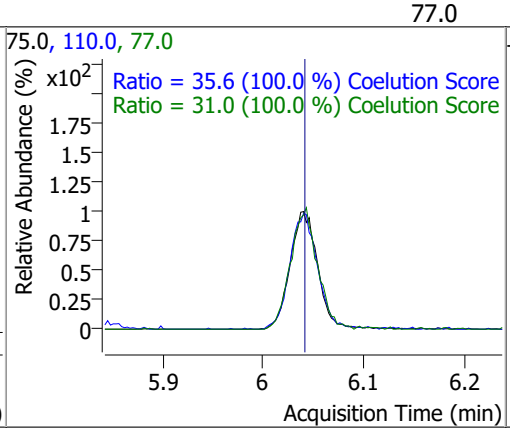


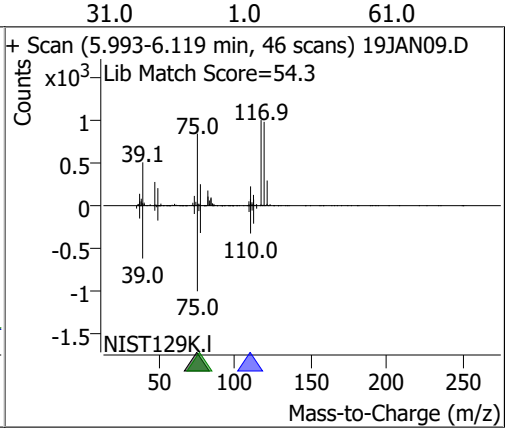




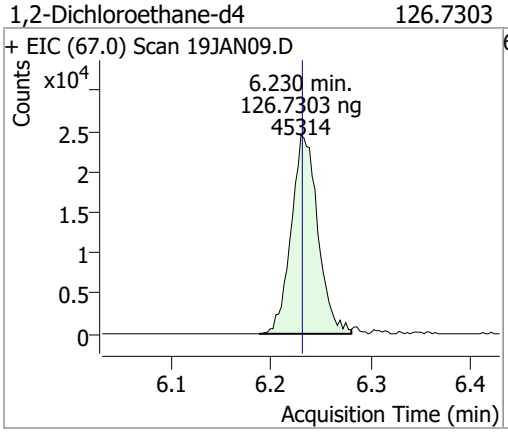
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	125.9718	6.04	0.00	156331	110.0	35.6	5.6	65.6
					77.0	31.0	1.0	61.0

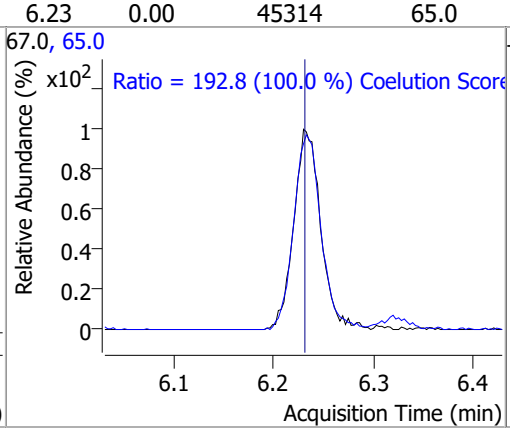


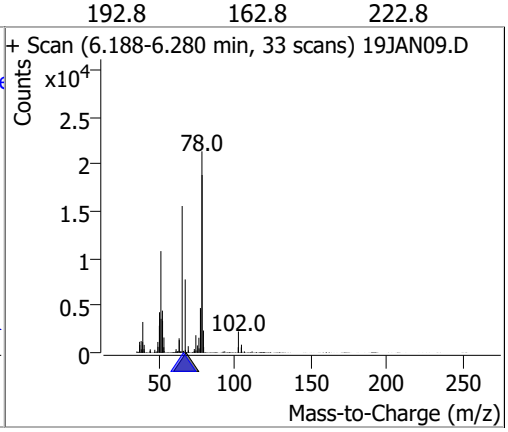




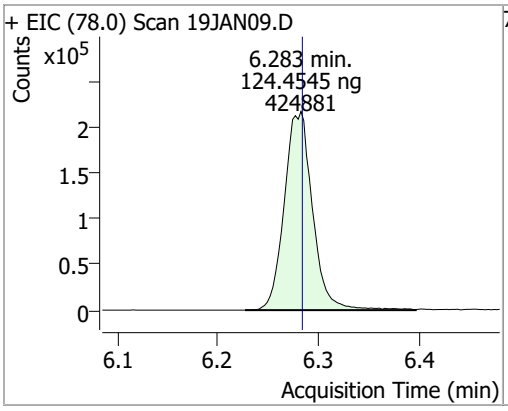
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	126.7303	6.23	0.00	45314	65.0	192.8	162.8	222.8

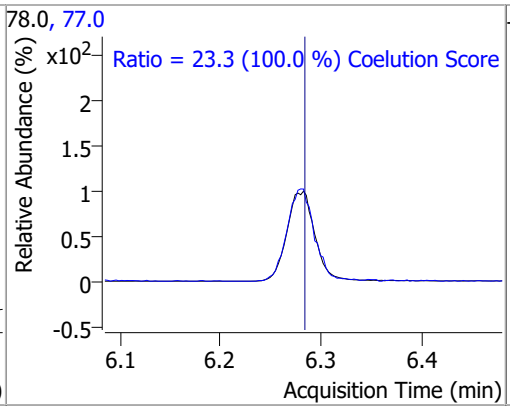


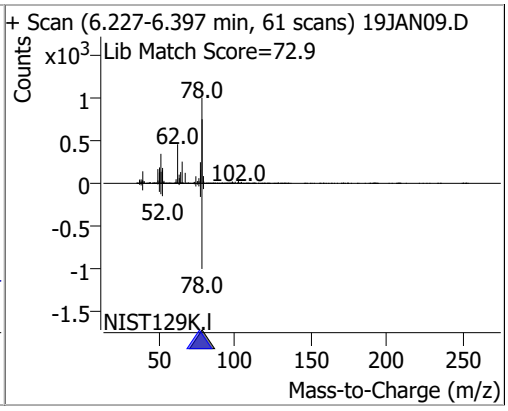




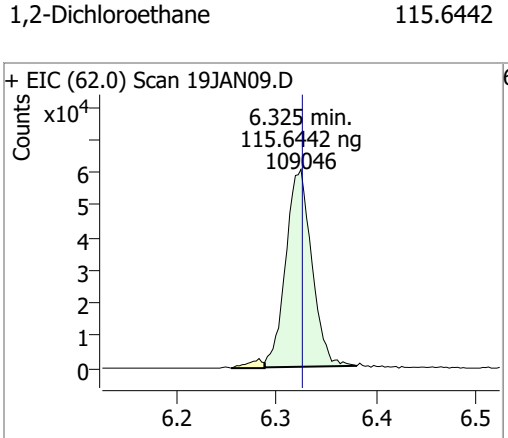
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	124.4545	6.28	0.00	424881	77.0	23.3	0.0	53.3

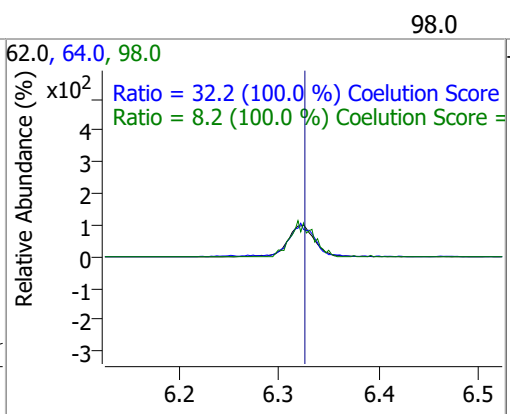


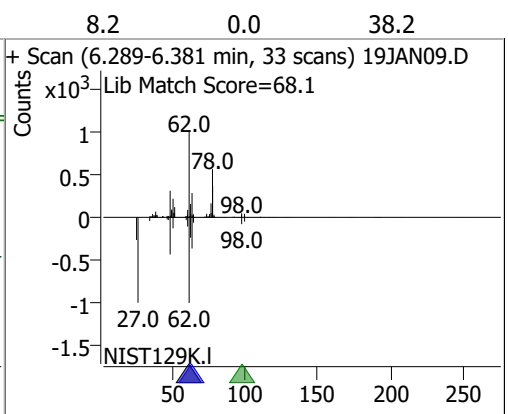




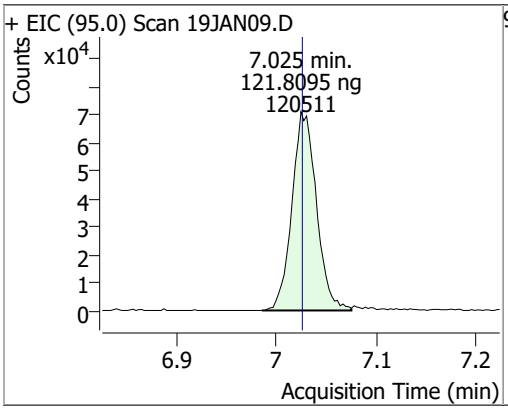
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	115.6442	6.32	0.00	109046	64.0	32.2	2.2	62.2
					98.0	8.2	0.0	38.2

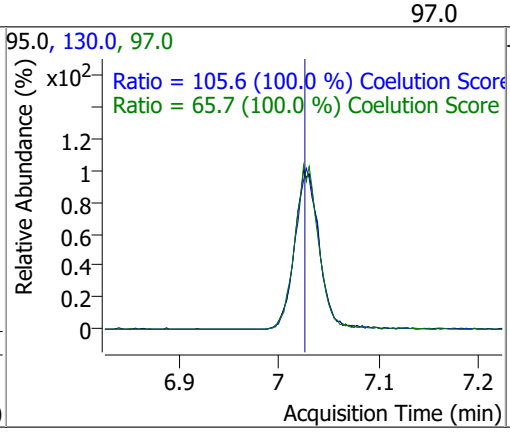


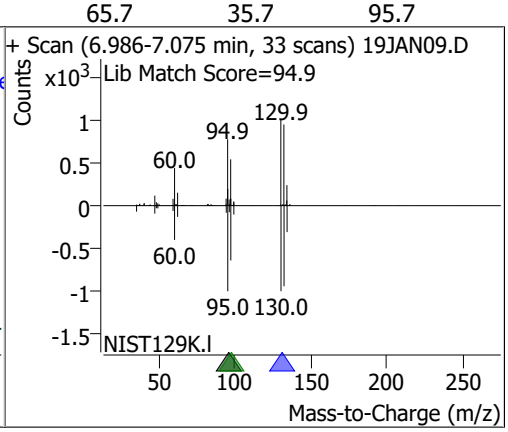




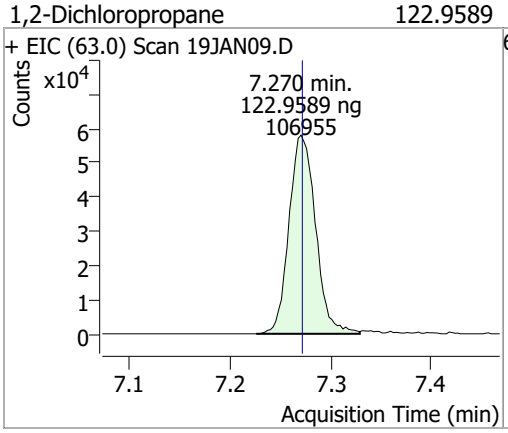
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	121.8095	7.02	0.00	120511	130.0	105.6	75.6	135.6
					97.0	65.7	35.7	95.7

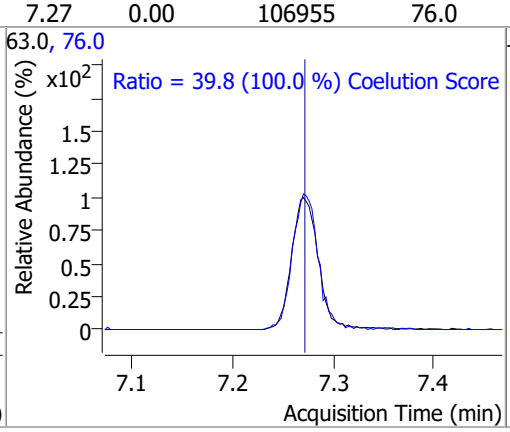


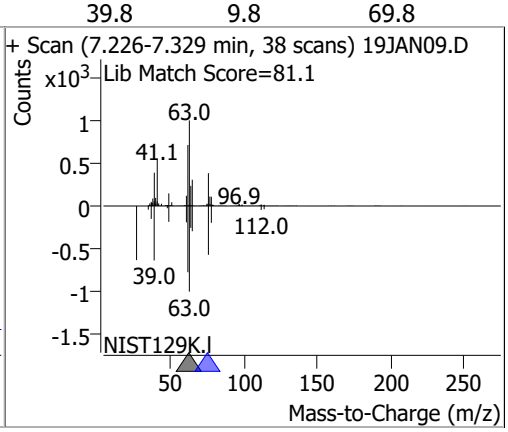




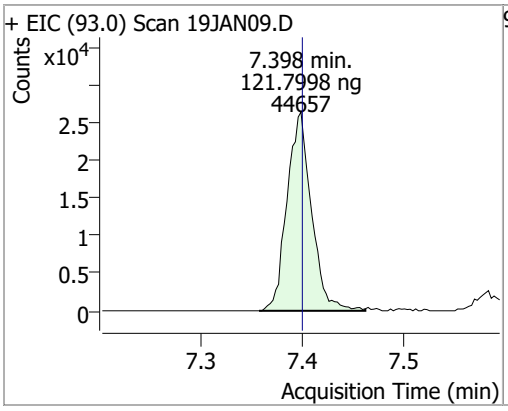
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	122.9589	7.27	0.00	106955	76.0	39.8	9.8	69.8

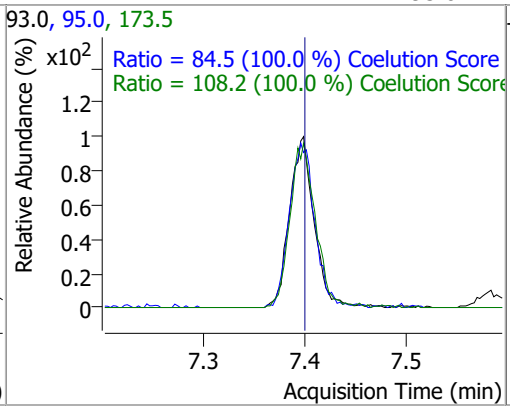


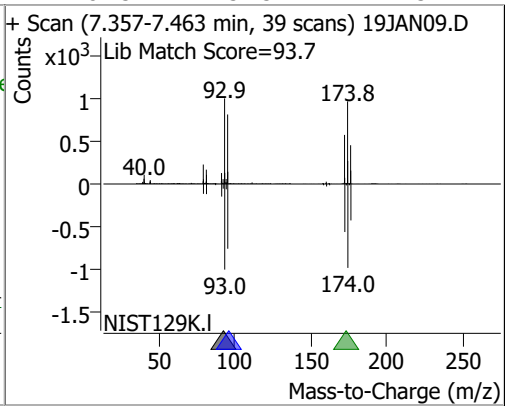




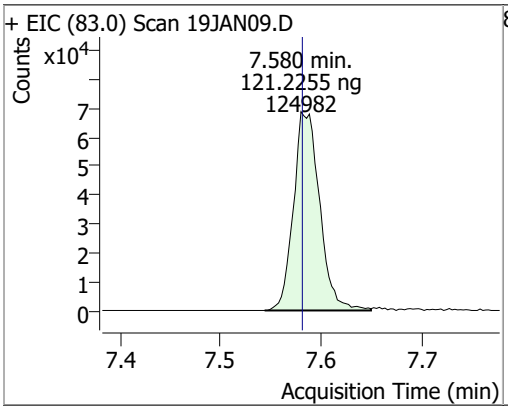
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	121.7998	7.40	0.00	44657	173.5	108.2	78.2	138.2
					95.0	84.5	54.5	114.5

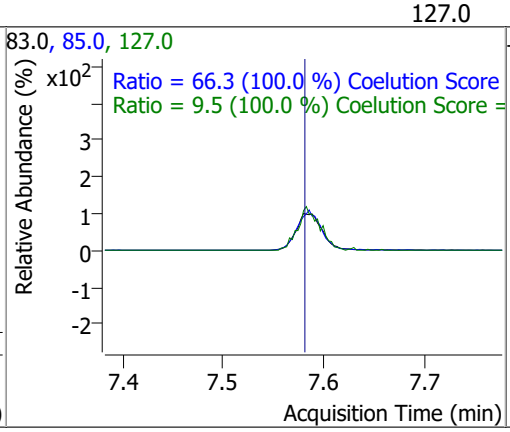


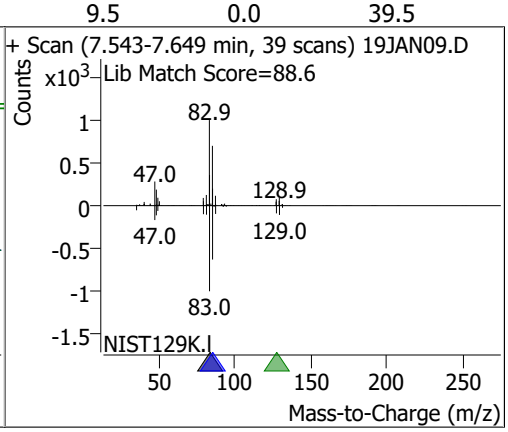




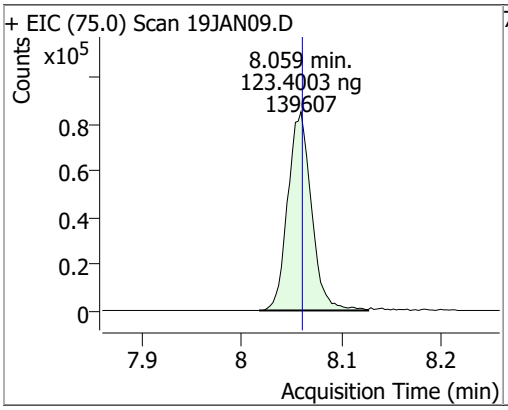
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	121.2255	7.58	0.00	124982	85.0	66.3	36.3	96.3
					127.0	9.5	0.0	39.5

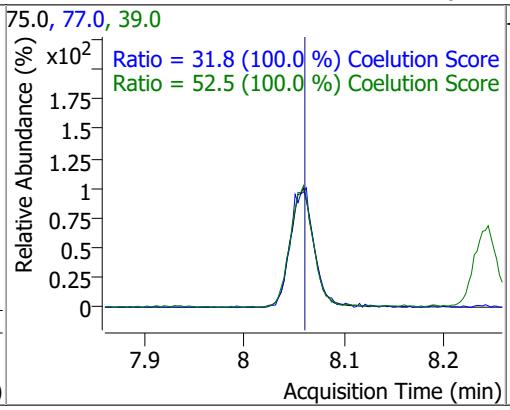


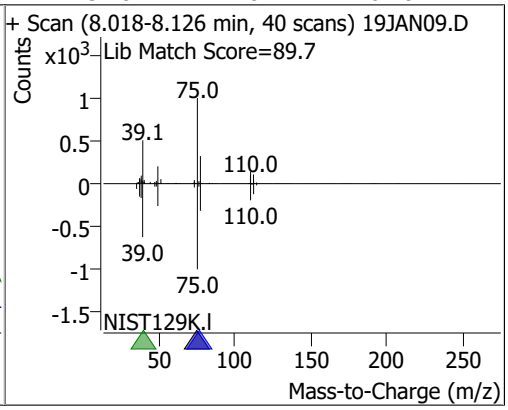




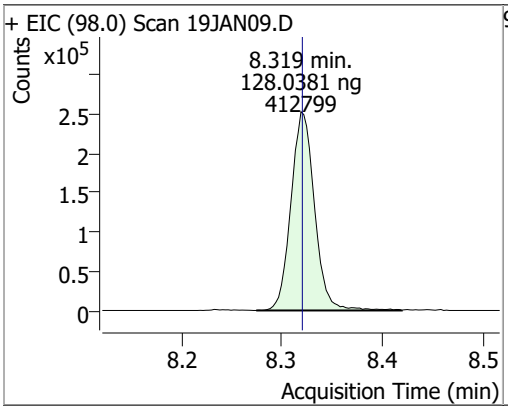
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	123.4003	8.06	0.00	139607	39.0	52.5	22.5	82.5
					77.0	31.8	1.8	61.8

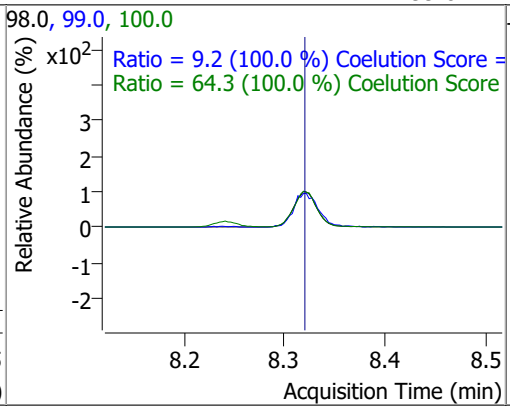


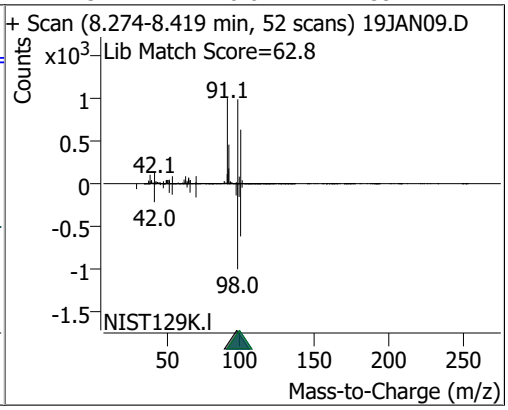




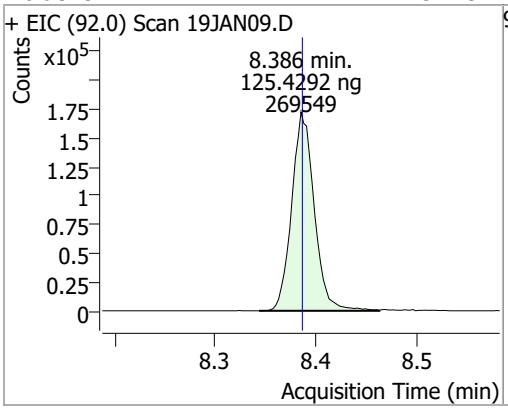
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	128.0381	8.32	0.00	412799	100.0	64.3	34.3	94.3
					99.0	9.2	0.0	39.2

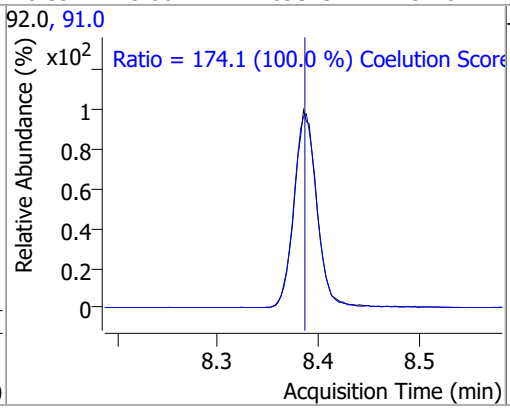


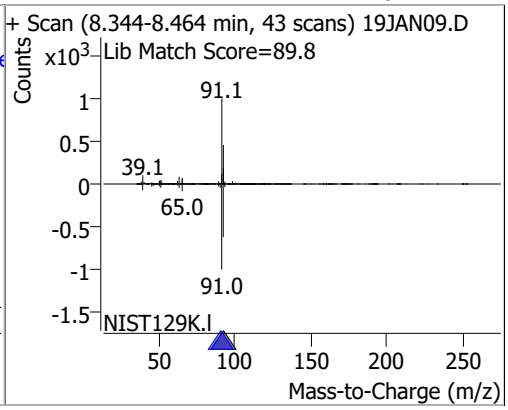




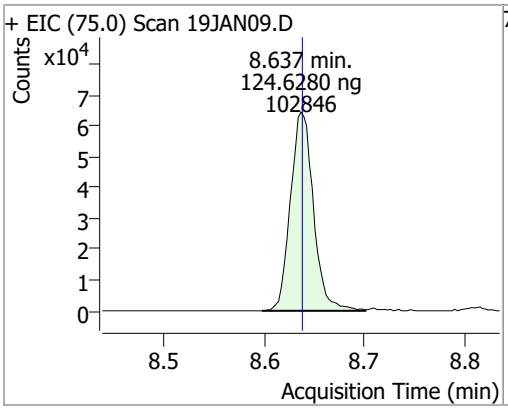
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	125.4292	8.39	0.00	269549	91.0	174.1	144.1	204.1

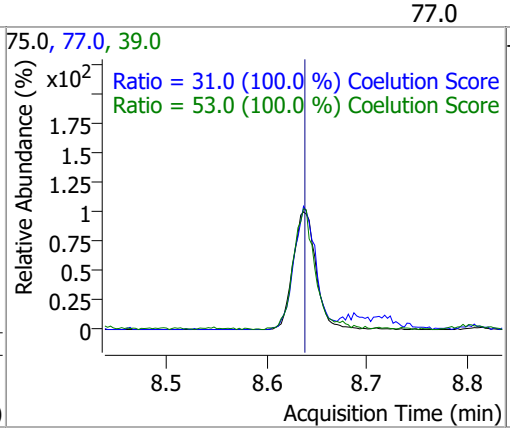


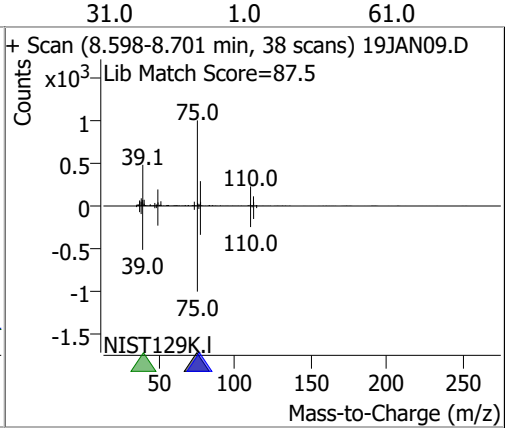




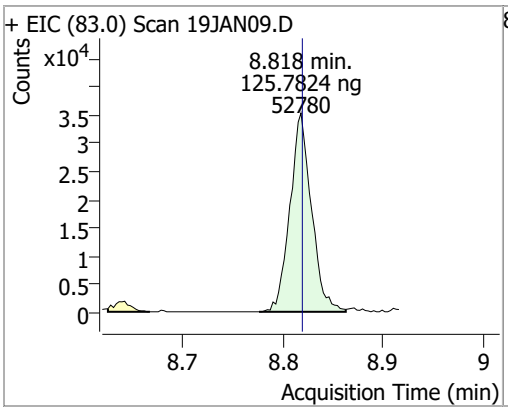
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	124.6280	8.64	0.00	102846	39.0	53.0	23.0	83.0
					77.0	31.0	1.0	61.0

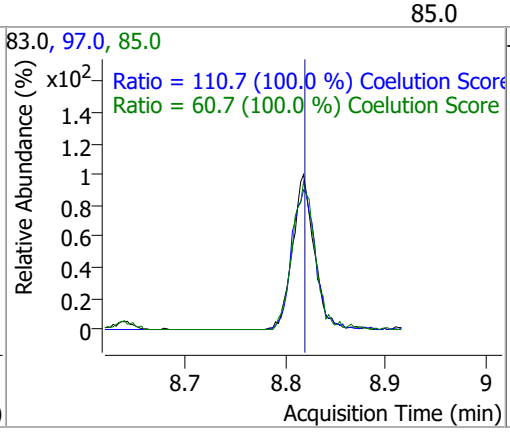


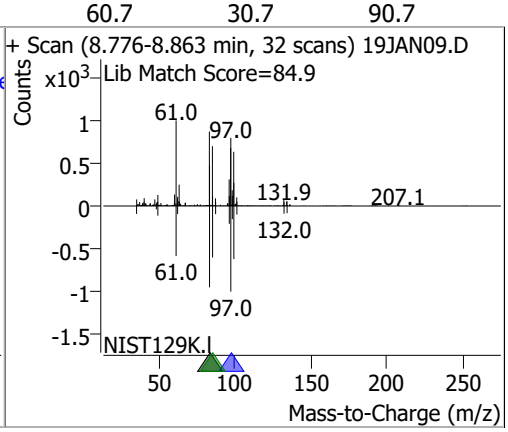




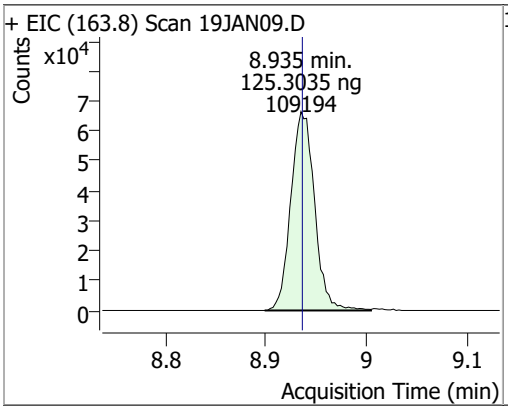
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	125.7824	8.82	0.00	52780	97.0	110.7	80.7	140.7
					85.0	60.7	30.7	90.7

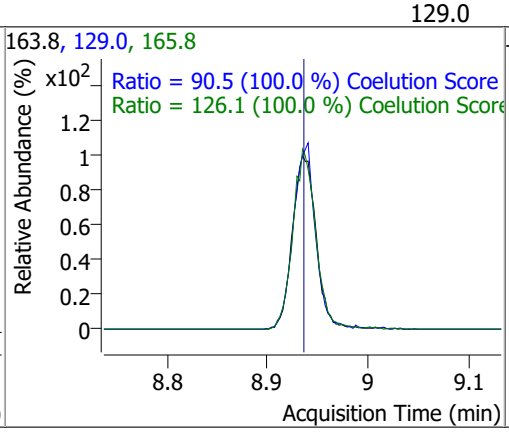


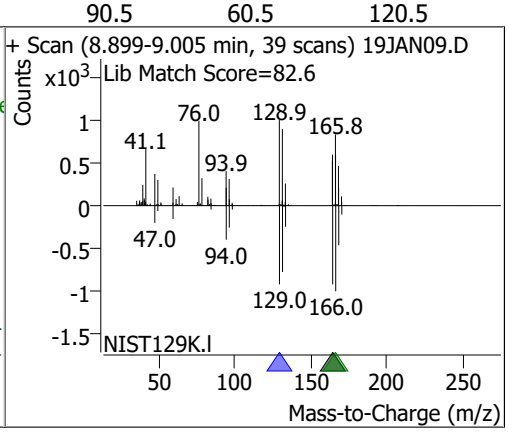




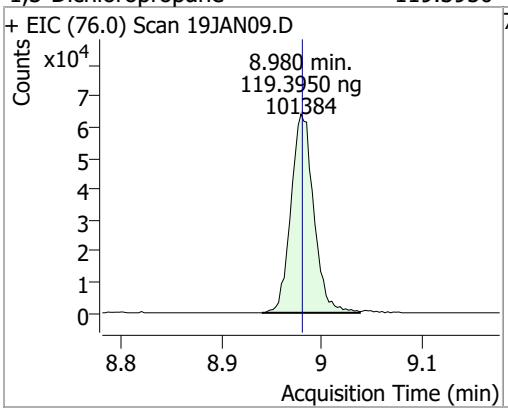
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	125.3035	8.94	0.00	109194	165.8	126.1	96.1	156.1
					129.0	90.5	60.5	120.5

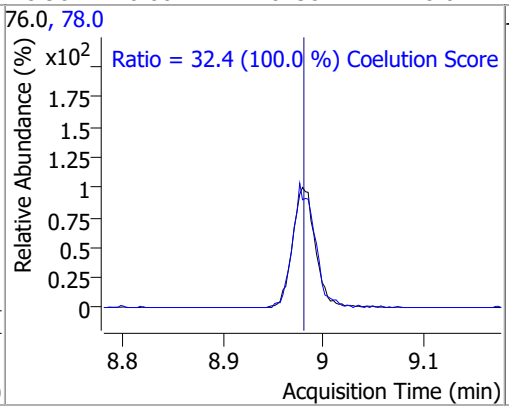


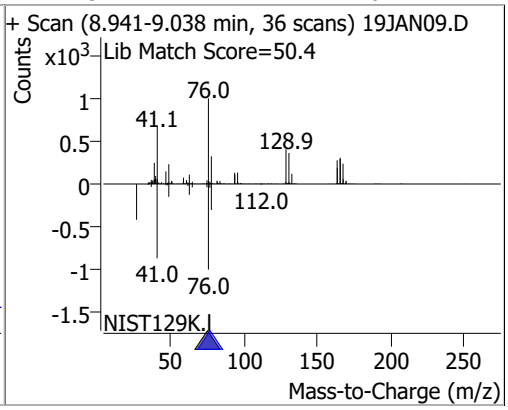




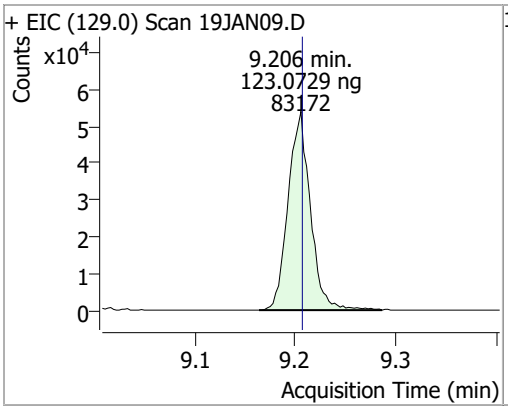
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	119.3950	8.98	0.00	101384	78.0	32.4	2.4	62.4

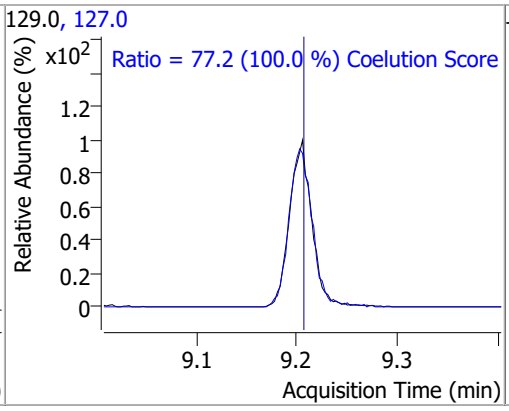


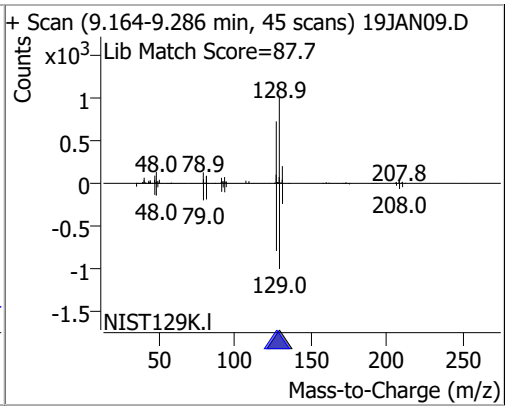




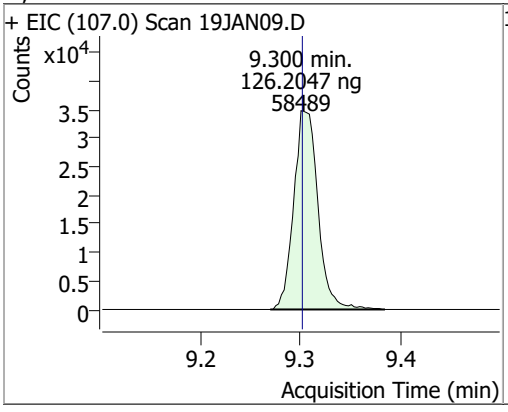
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	123.0729	9.21	0.00	83172	127.0	77.2	47.2	107.2

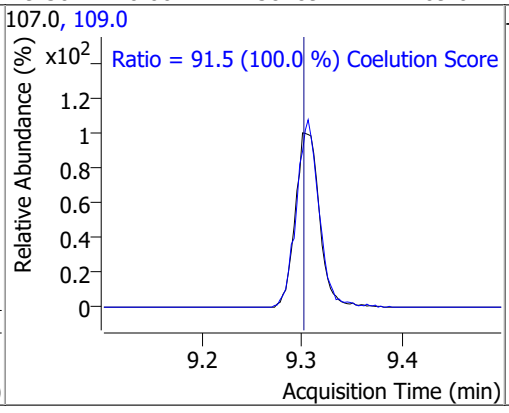


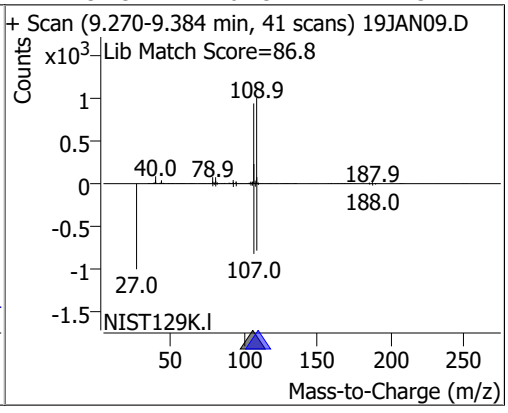




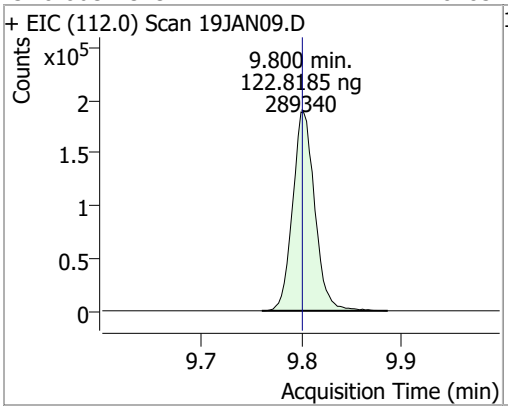
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	126.2047	9.30	0.00	58489	109.0	91.5	61.5	121.5

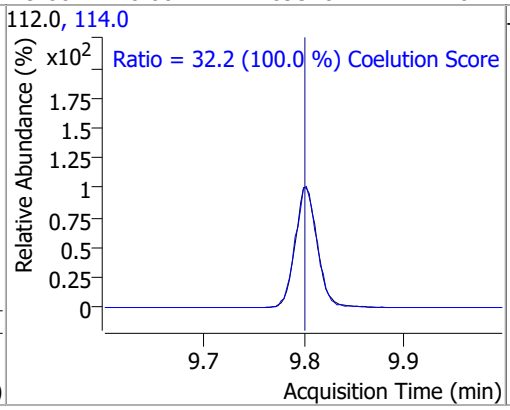


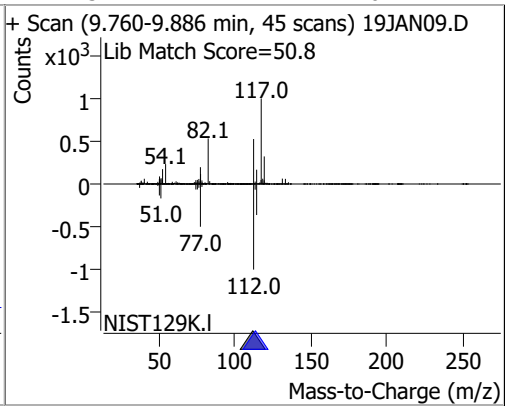




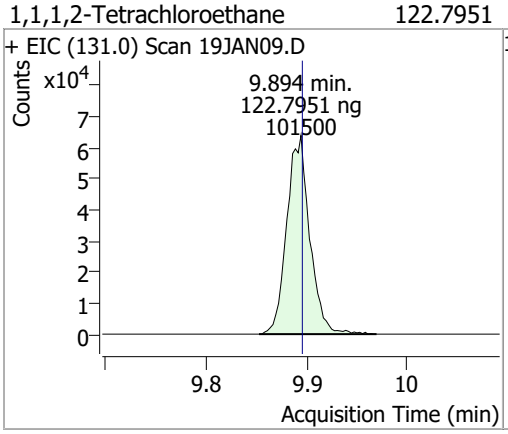
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	122.8185	9.80	0.00	289340	114.0	32.2	2.2	62.2

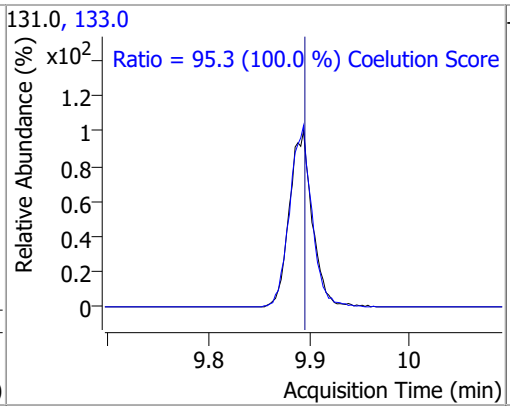


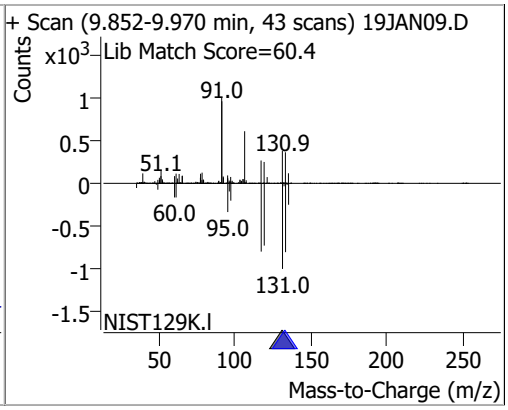




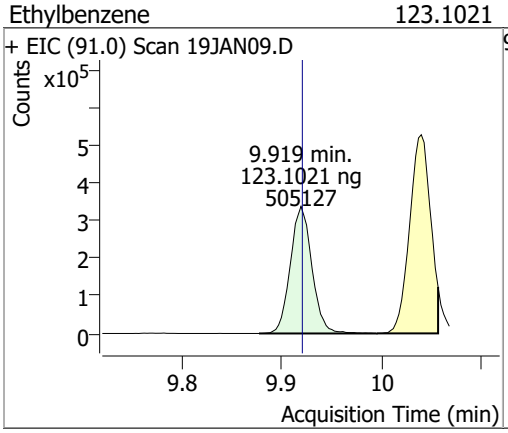
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	122.7951	9.89	0.00	101500	133.0	95.3	65.3	125.3

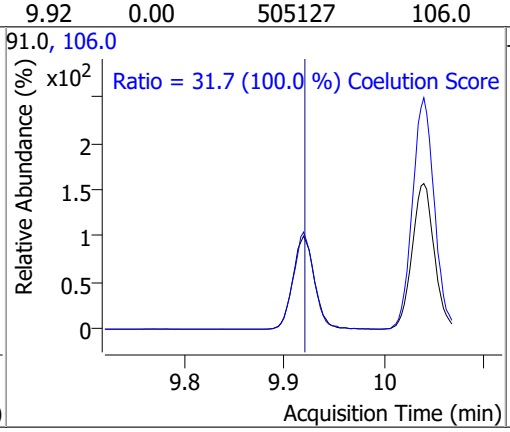


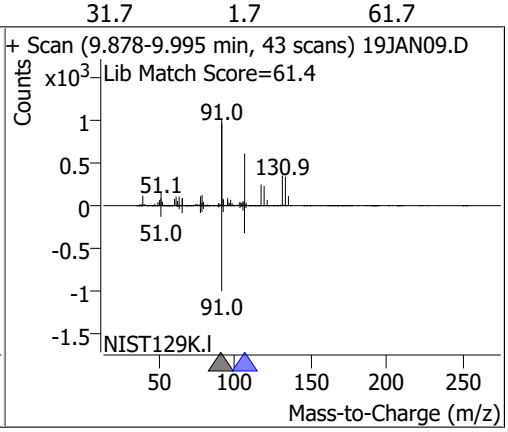




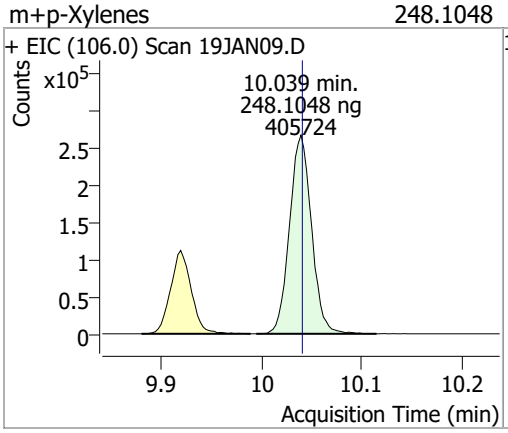
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	123.1021	9.92	0.00	505127	106.0	31.7	1.7	61.7

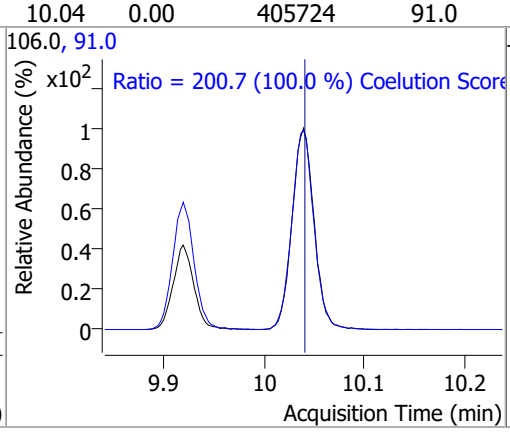


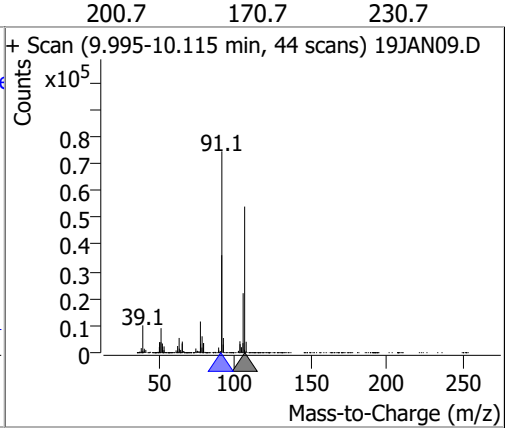




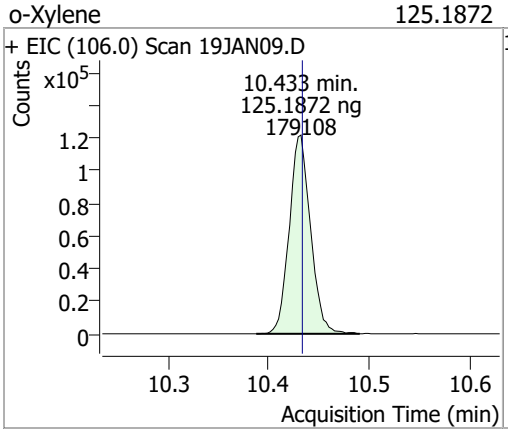
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	248.1048	10.04	0.00	405724	91.0	200.7	170.7	230.7

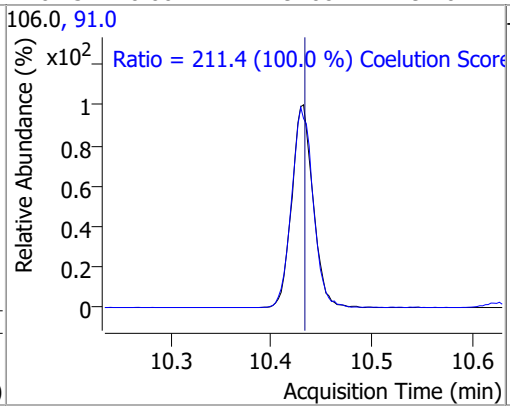


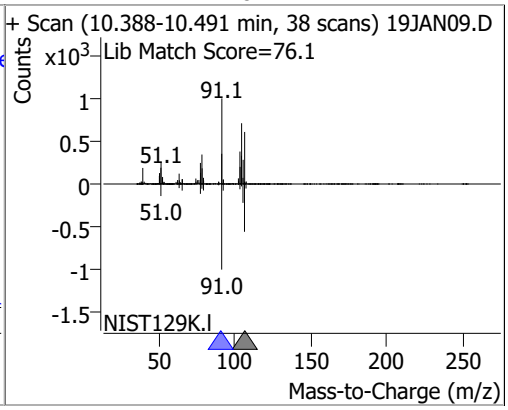




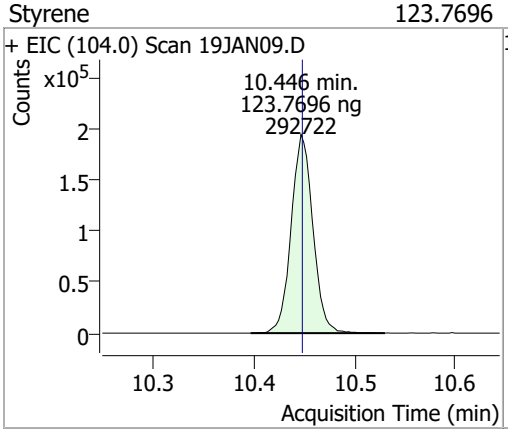
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	125.1872	10.43	0.00	179108	91.0	211.4	181.4	241.4

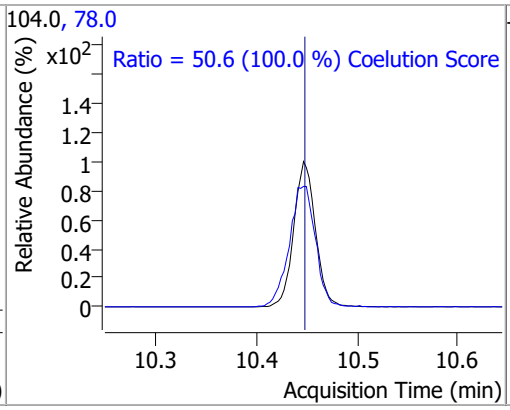


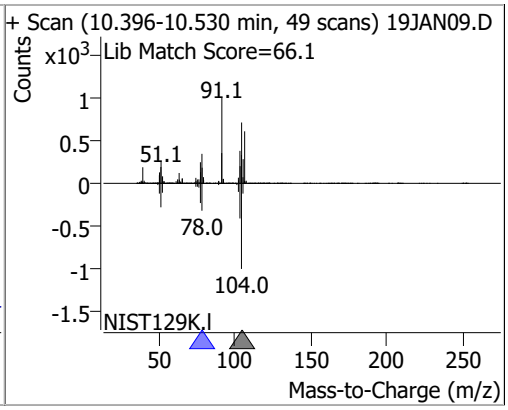




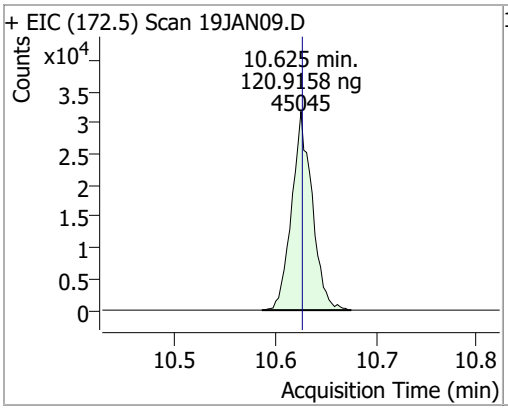
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	123.7696	10.45	0.00	292722	78.0	50.6	20.6	80.6

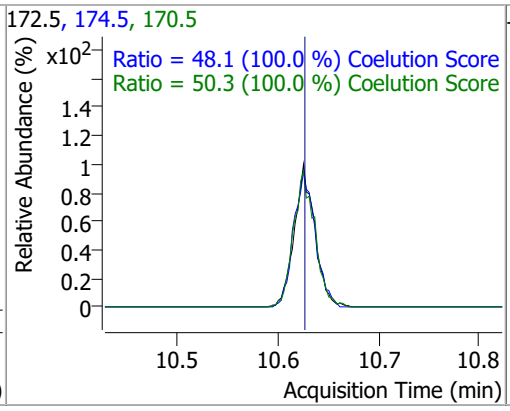


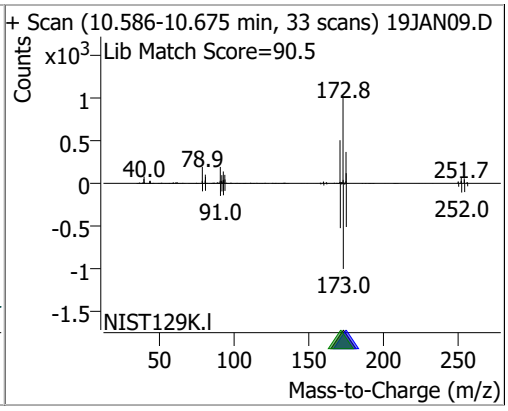




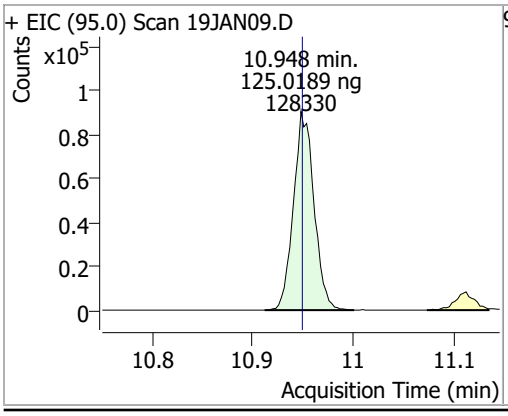
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	120.9158	10.62	0.00	45045	170.5	50.3	20.3	80.3
					174.5	48.1	18.1	78.1

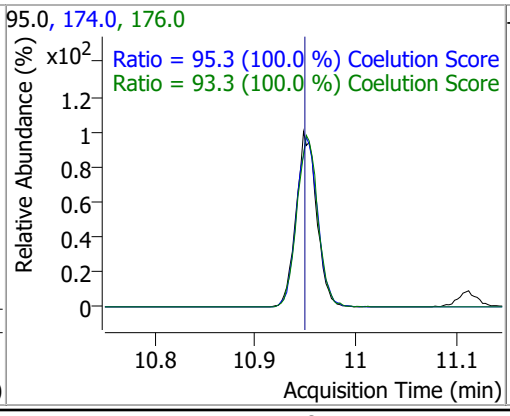


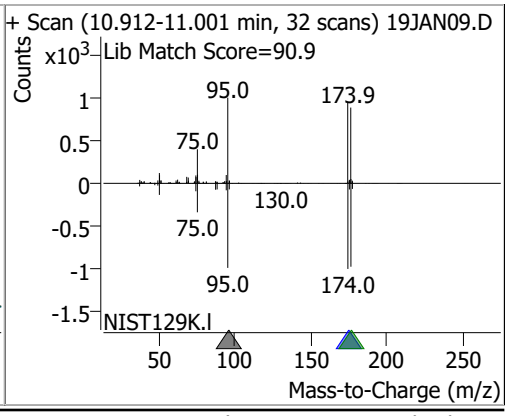




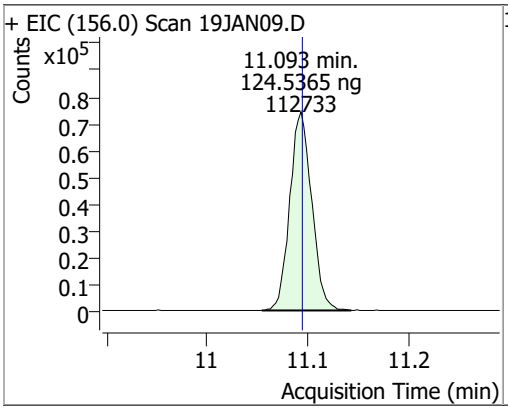
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	125.0189	10.95	0.00	128330	174.0	95.3	65.3	125.3
					176.0	93.3	63.3	123.3

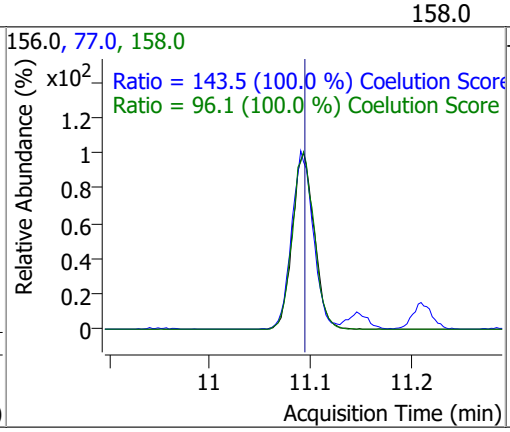


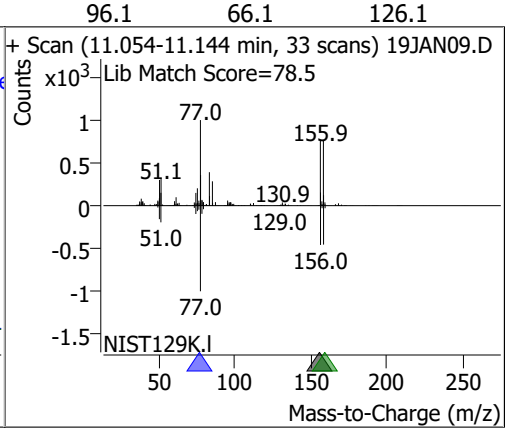




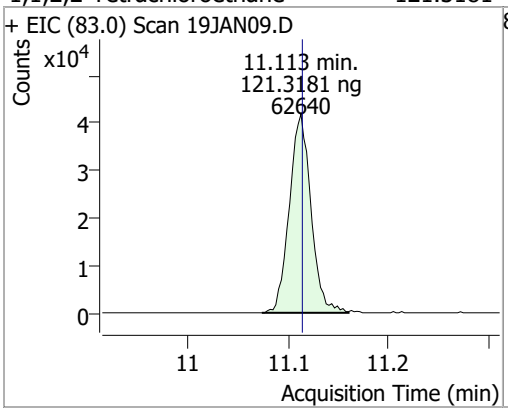
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	124.5365	11.09	0.00	112733	77.0	143.5	113.5	173.5
					158.0	96.1	66.1	126.1

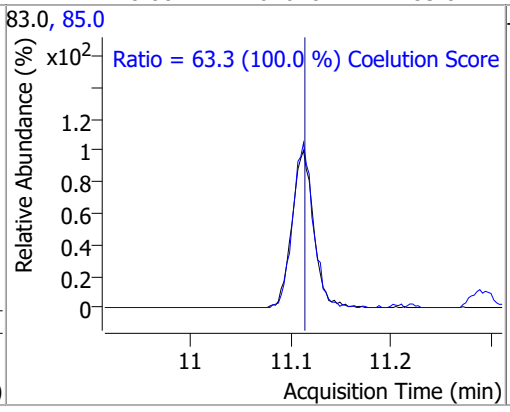


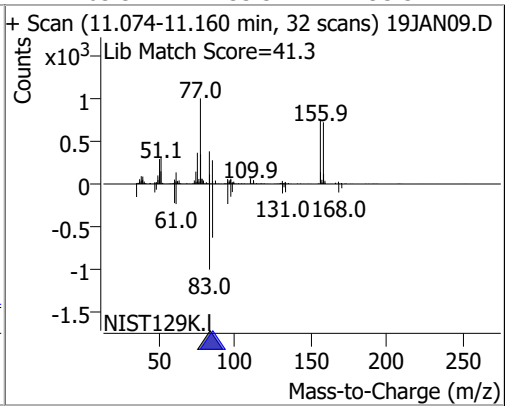




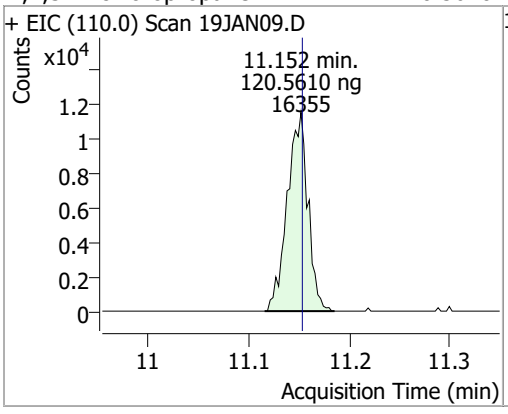
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	121.3181	11.11	0.00	62640	85.0	63.3	33.3	93.3

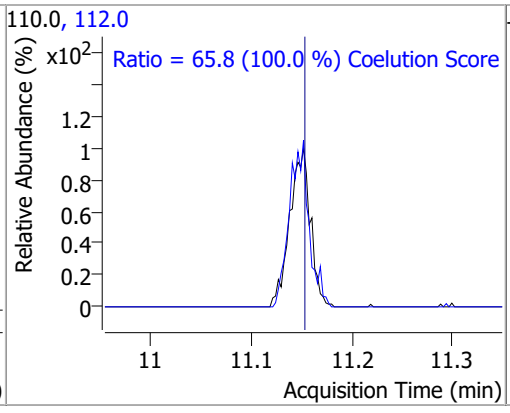


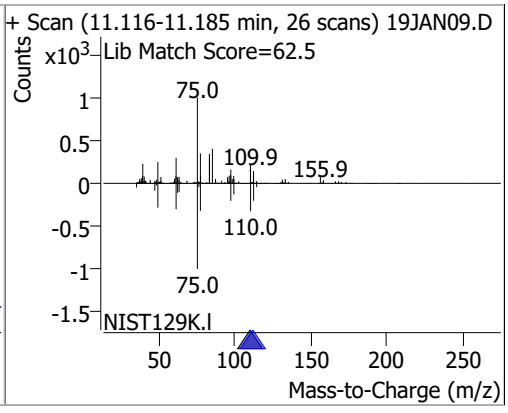




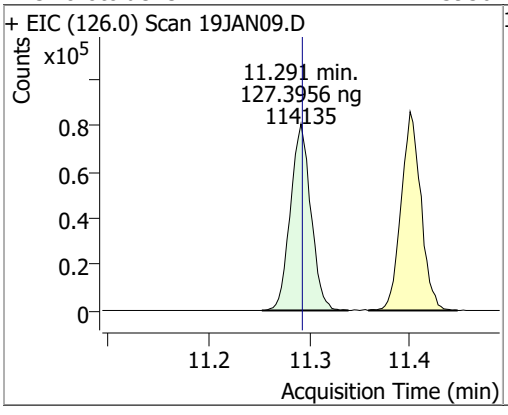
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	120.5610	11.15	0.00	16355	112.0	65.8	35.8	95.8

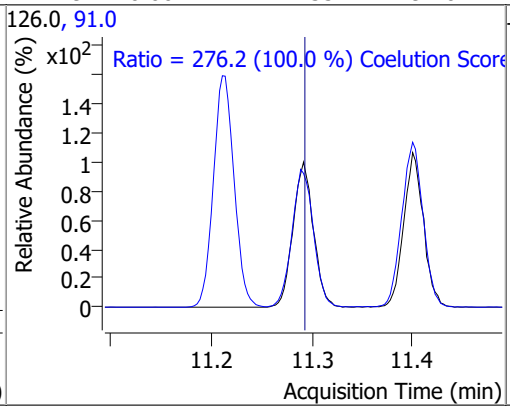


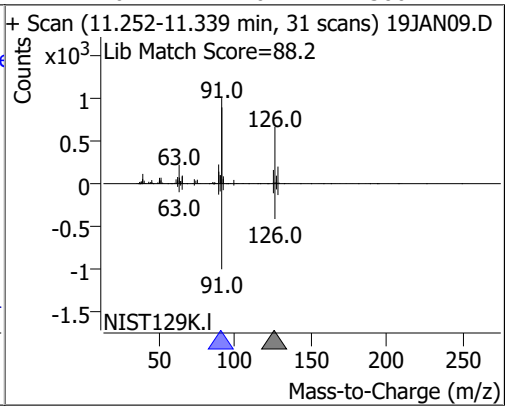




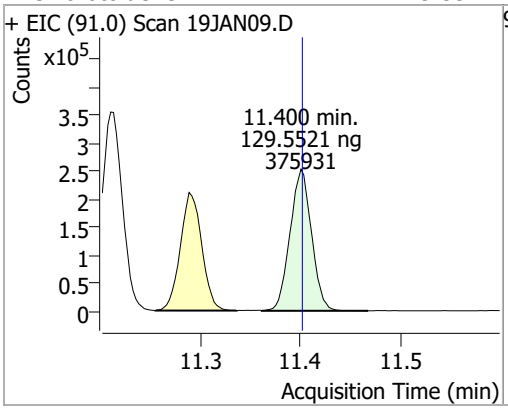
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	127.3956	11.29	0.00	114135	91.0	276.2	246.2	306.2

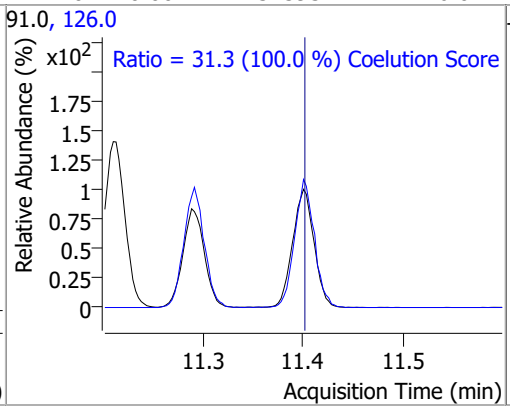


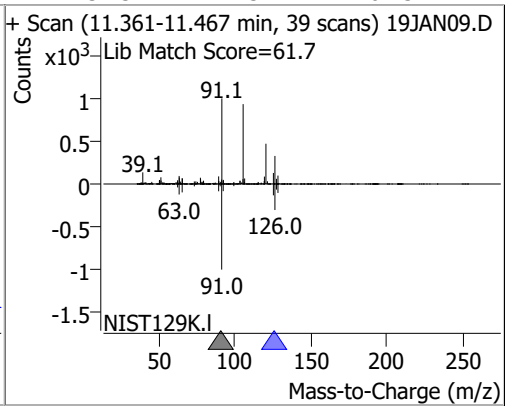




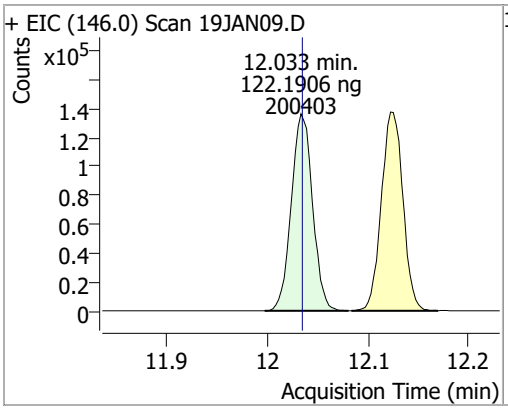
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	129.5521	11.40	0.00	375931	126.0	31.3	1.3	61.3

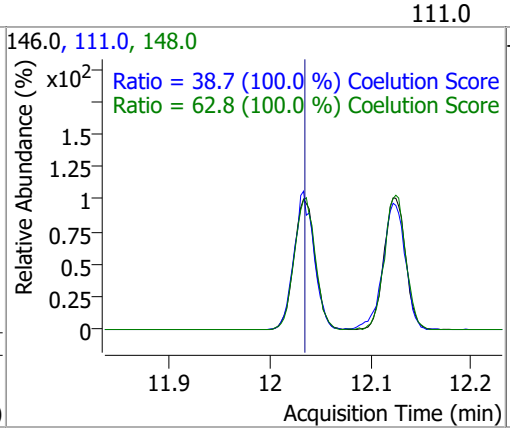


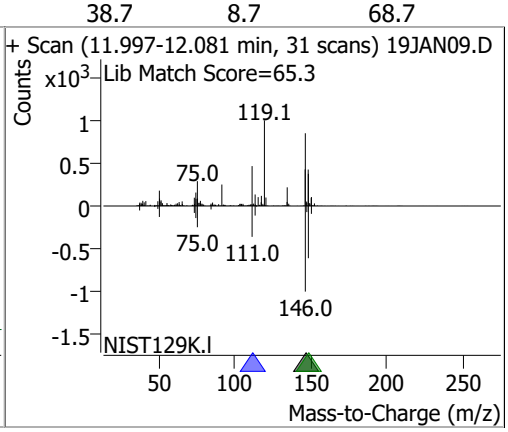




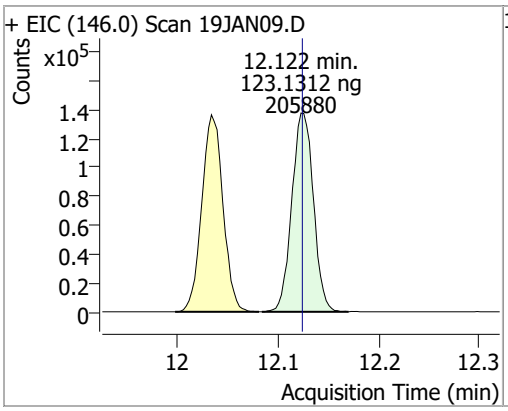
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	122.1906	12.03	0.00	200403	148.0	62.8	32.8	92.8
					111.0	38.7	8.7	68.7

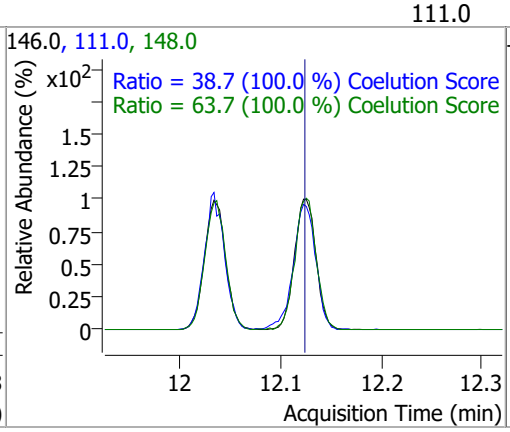


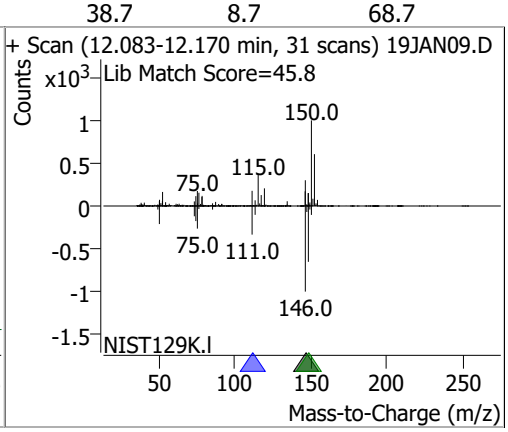




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	123.1312	12.12	0.00	205880	148.0	63.7	33.7	93.7
					111.0	38.7	8.7	68.7

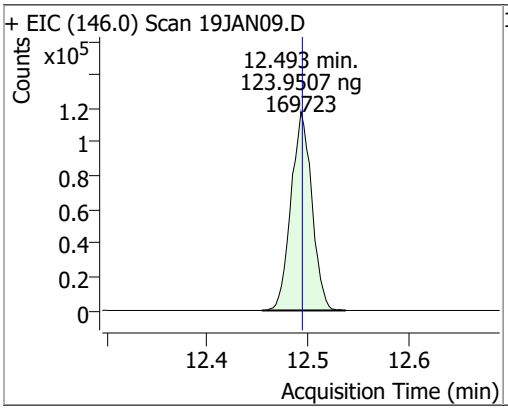


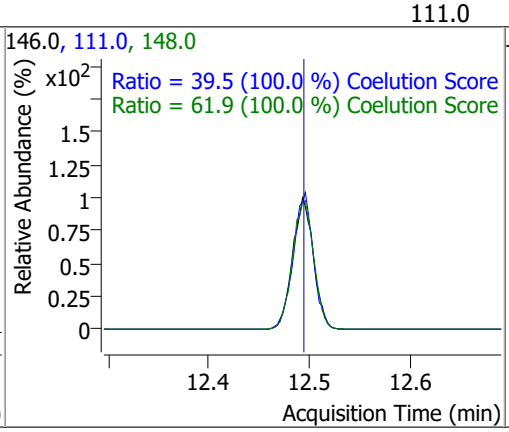


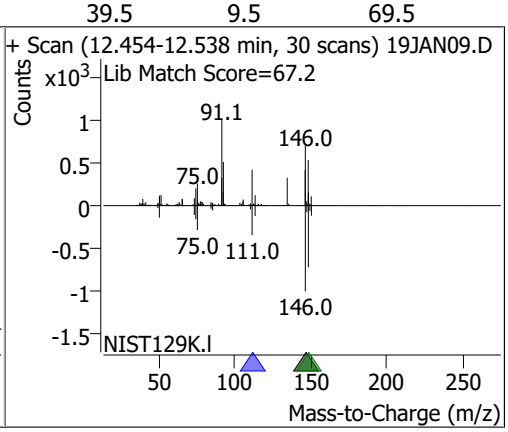


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	123.9507	12.49	0.00	169723	148.0	61.9	31.9	91.9
					111.0	39.5	9.5	69.5







Quantitation Results Report (QT Reviewed)

Data File	19JAN11.D	Operator	MSC
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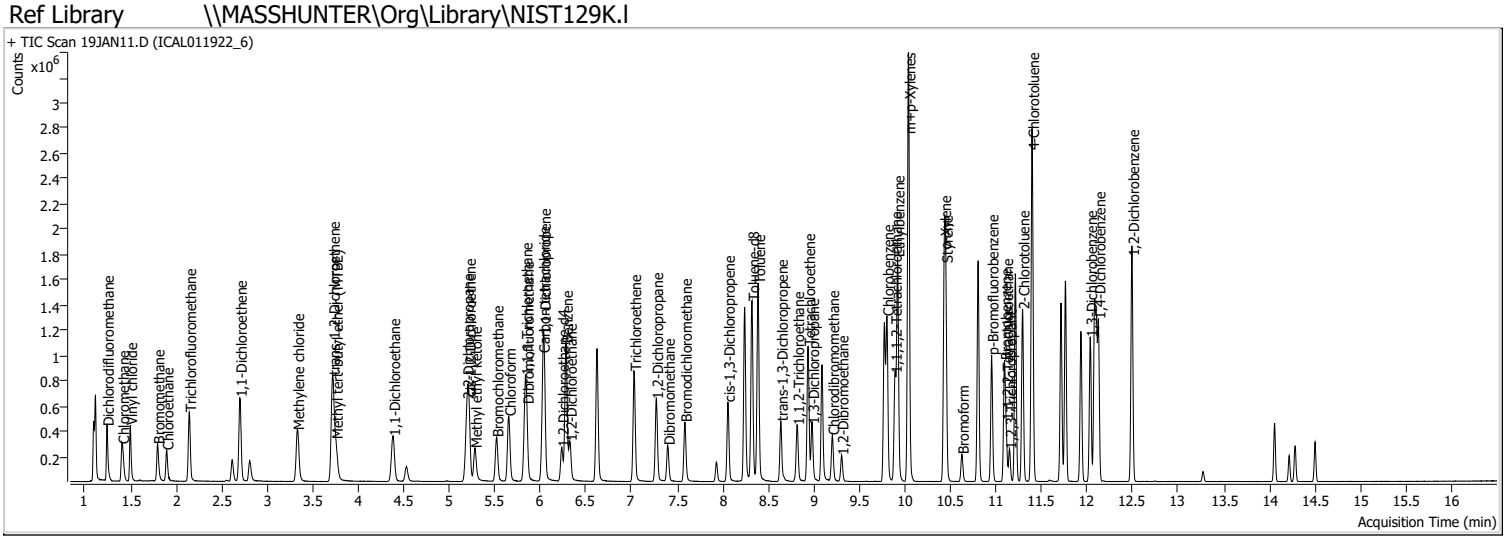
Sample Name	ICAL011922_6	Instrument	VOA5975C
Vial	11	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG011922_8260B.batch.bin	Last Calib Update	1/20/2022 9:28:12 AM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

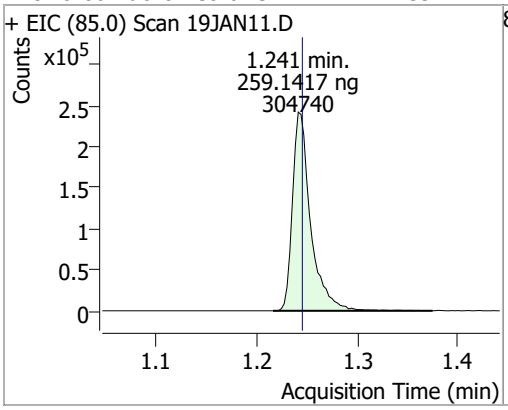


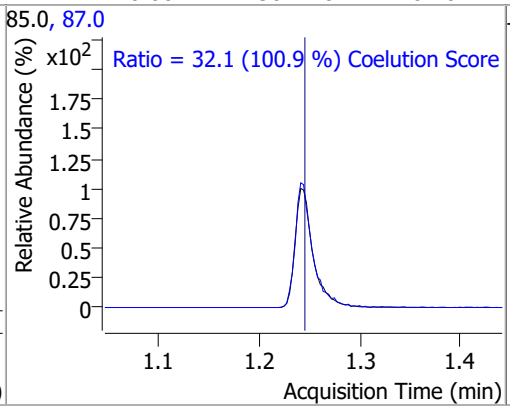
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M Fluorobenzene	6.620	96.0	874562	250.0000	ng	0.000
M Chlorobenzene-d5	9.774	82.0	333271	250.0000	ng	0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	280059	250.0000	ng	0.000
System Monitoring Compounds						
S Dibromofluoromethane	5.851	113.0	221667	261.6821	ng	0.000
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 104.67%		
S 1,2-Dichloroethane-d4	6.236	67.0	92919	253.9336	ng	0.006
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 101.57%		
S Toluene-d8	8.322	98.0	885297	272.2835	ng	0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 108.91%		
S p-Bromofluorobenzene	10.951	95.0	277668	268.5266	ng	0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 107.41%		
Target Compounds						QValue
T Dichlorodifluoromethane	1.241	85.0	304740	259.1417	ng	100
T Chloromethane	1.409	50.0	346531	250.2957	ng	99
T Vinyl chloride	1.498	62.0	326478	259.0664	ng	98
T Bromomethane	1.796	96.0	153759	264.9993	ng	96
T Chloroethane	1.897	64.0	170795	286.4607	ng	97
T Trichlorofluoromethane	2.145	101.0	379318	251.0100	ng	98
T 1,1-Dichloroethene	2.700	96.0	233356	265.3896	ng	99
T Methylene chloride	3.330	49.0	310597	242.9531	ng	98
T trans-1,2-Dichloroethene	3.720	96.0	233769	257.3531	ng	100
T Methyl tert-butyl ether (MTBE)	3.754	73.0	296029	260.7416	ng	100
T 1,1-Dichloroethane	4.381	63.0	442070	260.0378	ng	99
T 2,2-Dichloropropane	5.193	77.0	331689	258.8981	ng	97
T cis-1,2-Dichloroethene	5.215	96.0	243087	264.3041	ng	98
T Methyl ethyl ketone	5.279	43.0	348492	2621.9160	ng	98
T Bromochloromethane	5.516	128.0	99685	262.8745	ng	99
T Chloroform	5.653	83.0	420250	247.5804	ng	99

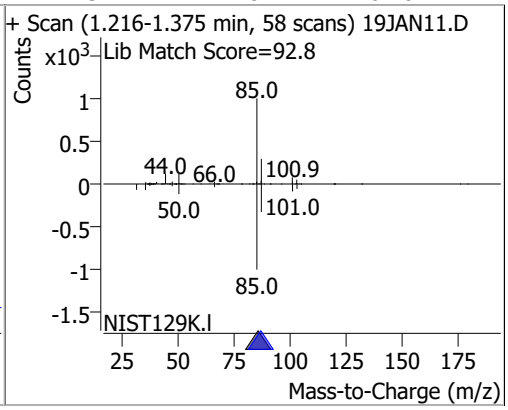
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	5.834	97.0	414139	264.4318	ng	99
T Carbon tetrachloride	6.027	117.0	404308	266.1753	ng	99
T 1,1-Dichloropropene	6.038	75.0	350070	275.6455	ng	99
T Benzene	6.277	78.0	920174	263.3789	ng	100
T 1,2-Dichloroethane	6.322	62.0	236845	245.4404	ng	99
T Trichloroethene	7.028	95.0	265703	266.3072	ng	99
T 1,2-Dichloropropane	7.270	63.0	235120	268.0280	ng	97
T Dibromomethane	7.396	93.0	97445	263.5412	ng	98
T Bromodichloromethane	7.585	83.0	270436	260.1015	ng	98
T cis-1,3-Dichloropropene	8.057	75.0	311156	272.7213	ng	99
T Toluene	8.388	92.0	587069	270.8830	ng	100
T trans-1,3-Dichloropropene	8.637	75.0	223772	268.8845	ng	97
T 1,1,2-Trichloroethane	8.818	83.0	110317	260.6902	ng	96
T Tetrachloroethene	8.938	163.8	231586	263.5170	ng	98
T 1,3-Dichloropropane	8.982	76.0	223019	260.4297	ng	99
T Chlorodibromomethane	9.203	129.0	178171	261.4293	ng	100
T 1,2-Dibromoethane	9.303	107.0	124289	265.9291	ng	98
T Chlorobenzene	9.802	112.0	625101	263.1099	ng	100
T 1,1,1,2-Tetrachloroethane	9.889	131.0	219325	263.1086	ng	100
T Ethylbenzene	9.919	91.0	1116949	259.5637	ng	99
T m+p-Xylenes	10.039	106.0	887253	520.9218	ng	100
T o-Xylene	10.430	106.0	387676	257.9276	ng	97
T Styrene	10.449	104.0	646327	261.6473	ng	99
T Bromoform	10.625	172.5	96001	255.8151	ng	98
T Bromobenzene	11.093	156.0	243851	267.4139	ng	99
T 1,1,2,2-Tetrachloroethane	11.110	83.0	133573	256.8068	ng	100
T 1,2,3-Trichloropropane	11.146	110.0	36124	264.3420	ng	98
T 2-Chlorotoluene	11.291	126.0	247831	274.6030	ng	99
T 4-Chlorotoluene	11.397	91.0	814408	278.6073	ng	99
T 1,3-Dichlorobenzene	12.033	146.0	436562	264.2369	ng	100
T 1,4-Dichlorobenzene	12.122	146.0	438291	260.2139	ng	100
T 1,2-Dichlorobenzene	12.493	146.0	366153	265.4514	ng	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

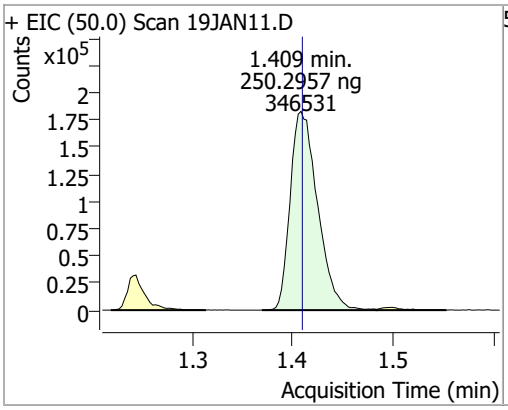
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	259.1417	1.24	0.00	304740	87.0	32.1	1.8	61.8

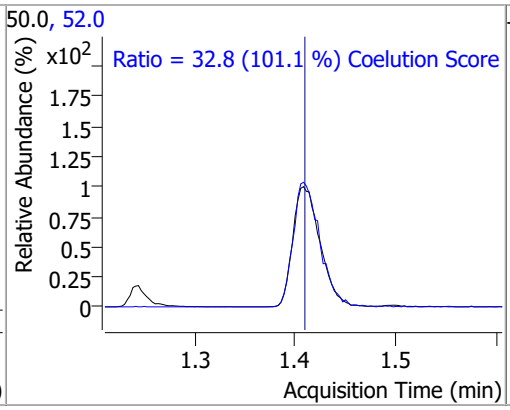


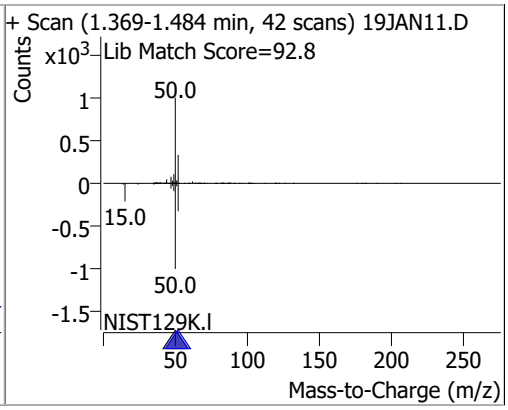




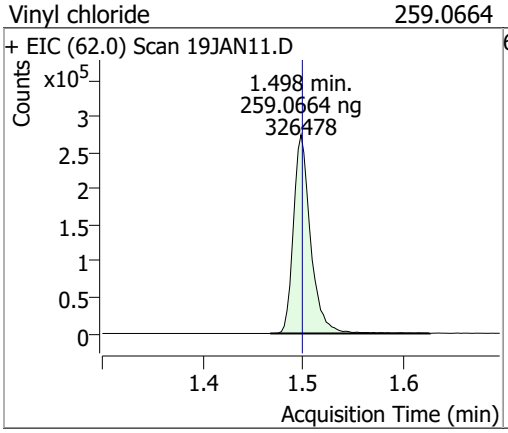
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	250.2957	1.41	0.00	346531	52.0	32.8	2.4	62.4

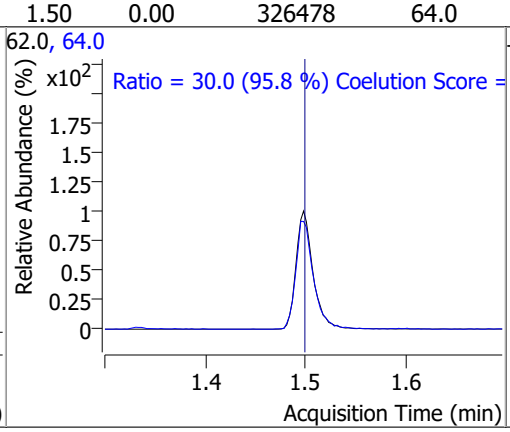


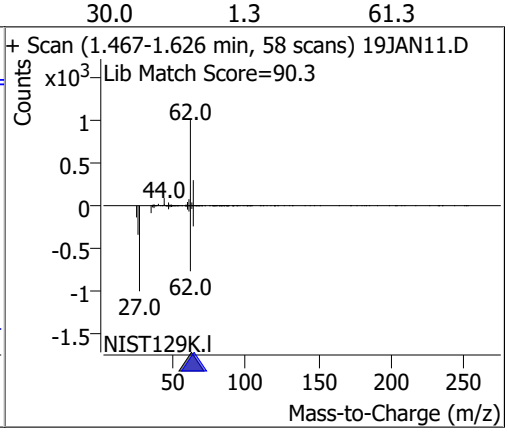




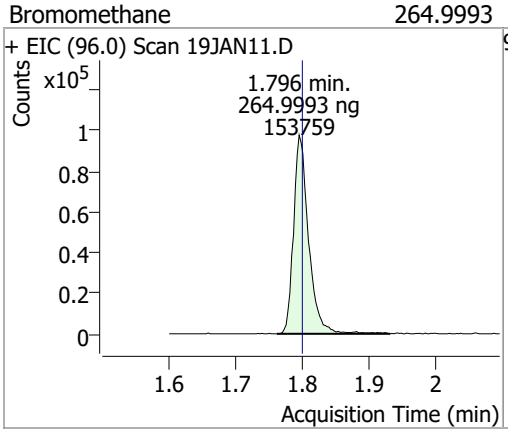
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	259.0664	1.50	0.00	326478	64.0	30.0	1.3	61.3

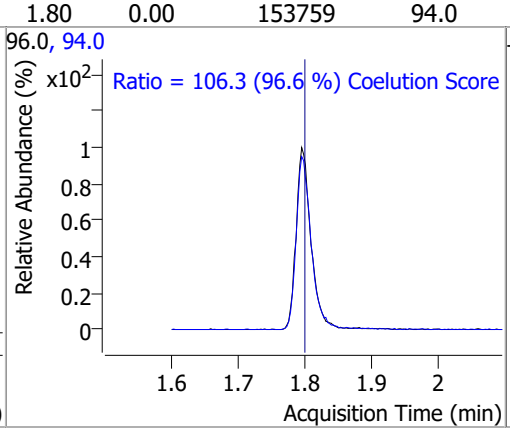


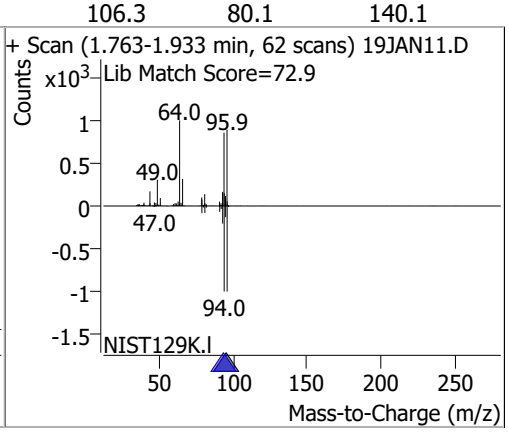




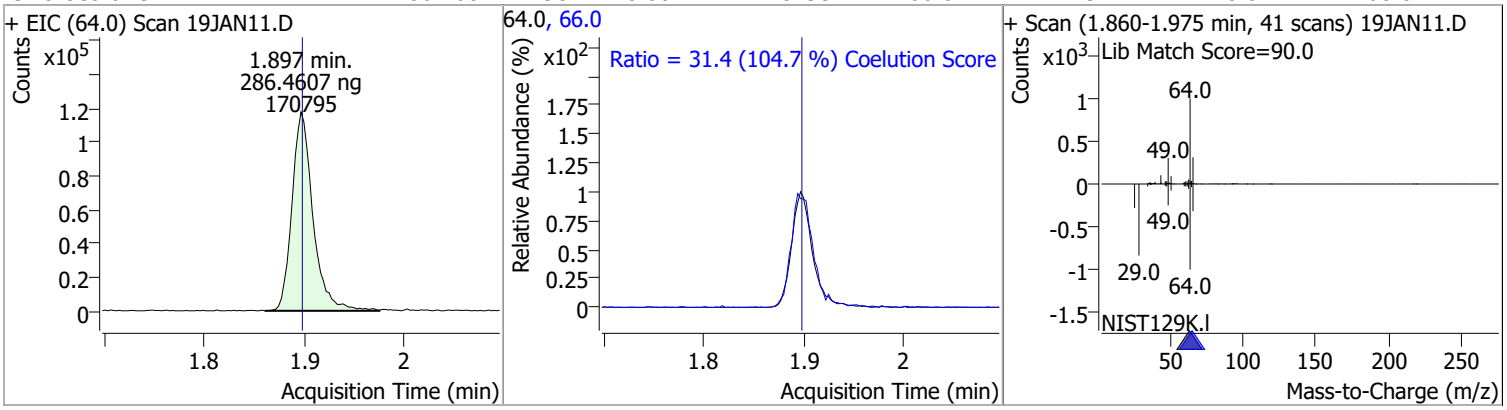
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	264.9993	1.80	0.00	153759	94.0	106.3	80.1	140.1



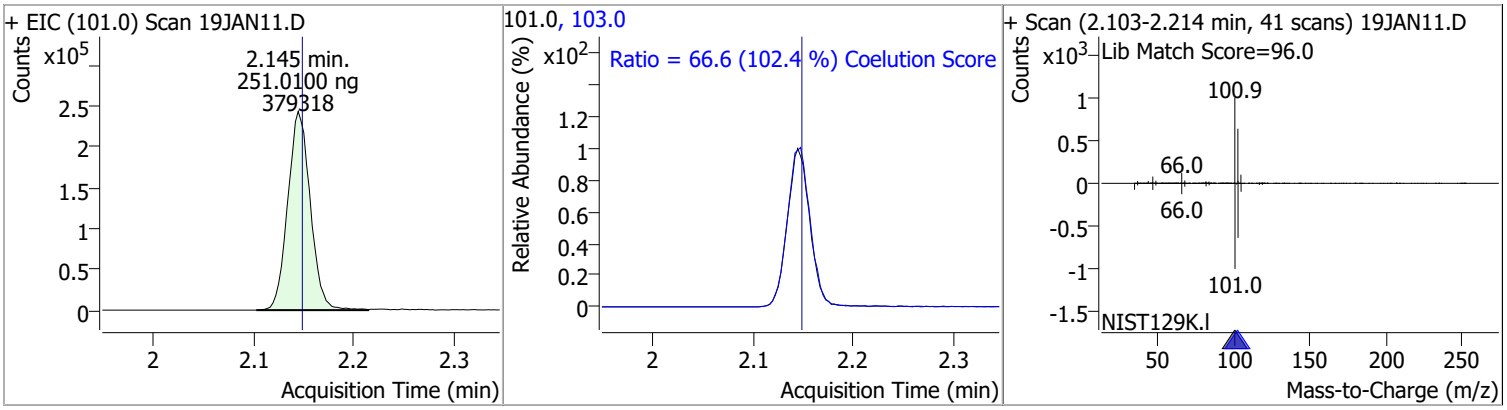




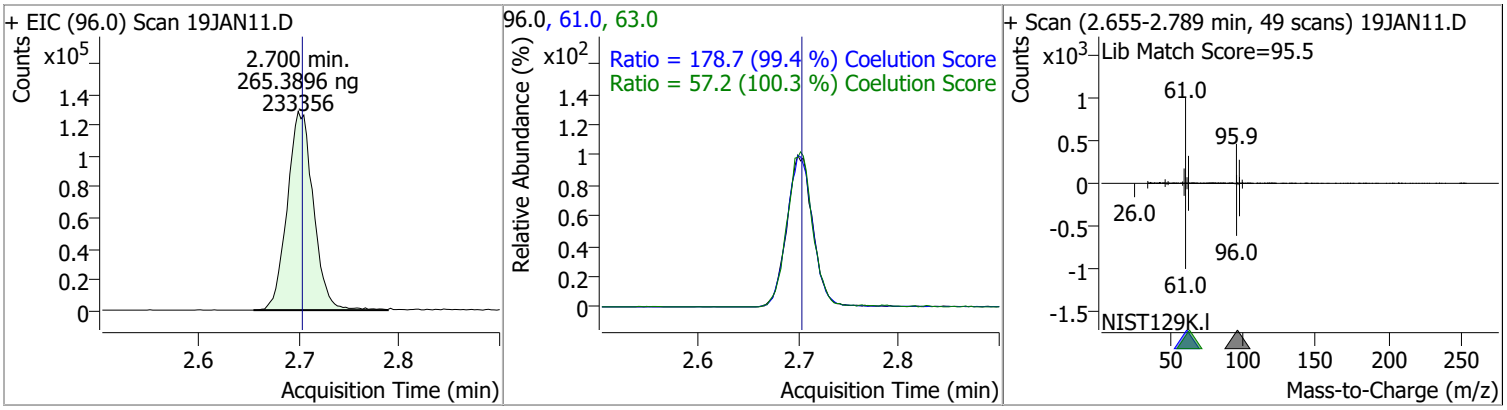
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	286.4607	1.90	0.00	170795	66.0	31.4	0.0	60.0



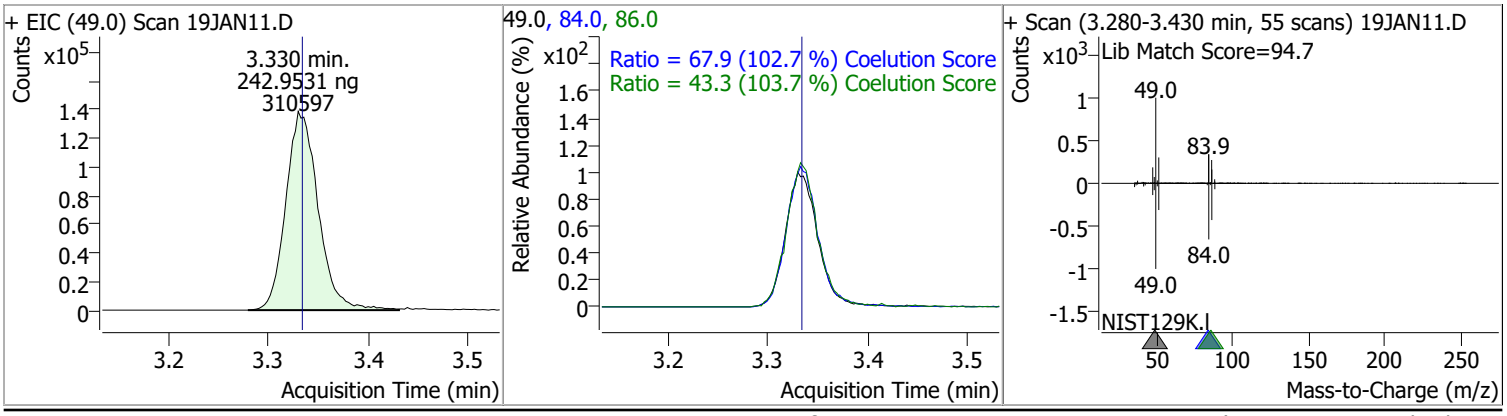
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	251.0100	2.14	0.00	379318	103.0	66.6	35.0	95.0



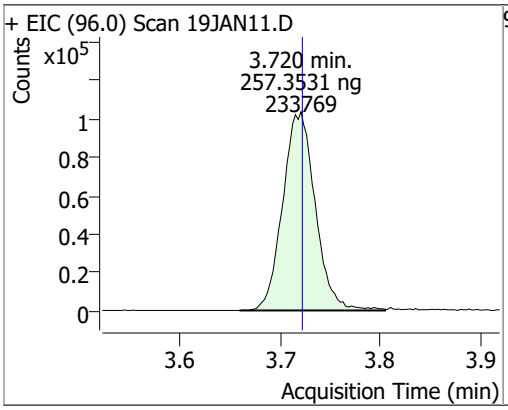
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	265.3896	2.70	0.00	233356	61.0	178.7	149.9	209.9
					63.0	57.2	27.0	87.0

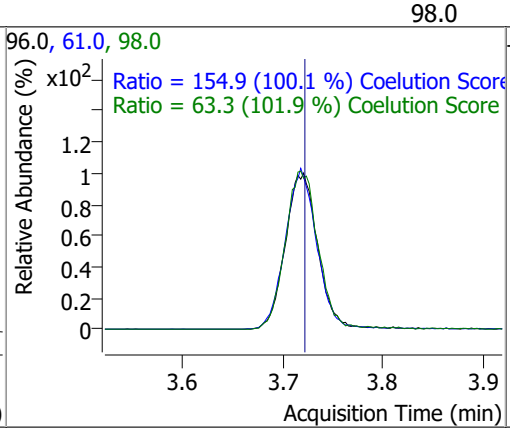


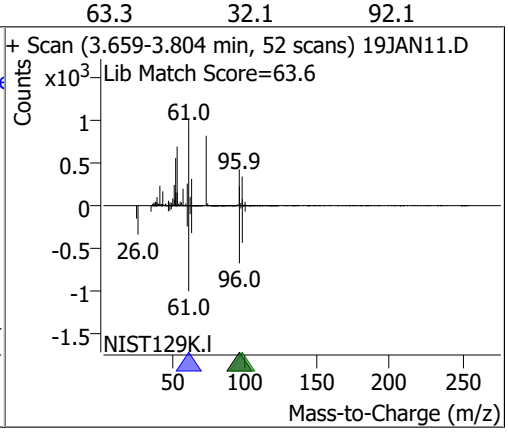
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	242.9531	3.33	0.00	310597	84.0	67.9	36.1	96.1
					86.0	43.3	11.8	71.8



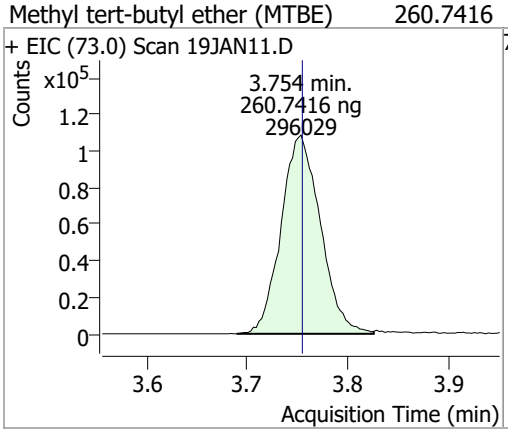
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	257.3531	3.72	0.00	233769	61.0	154.9	124.8	184.8
					98.0	63.3	32.1	92.1

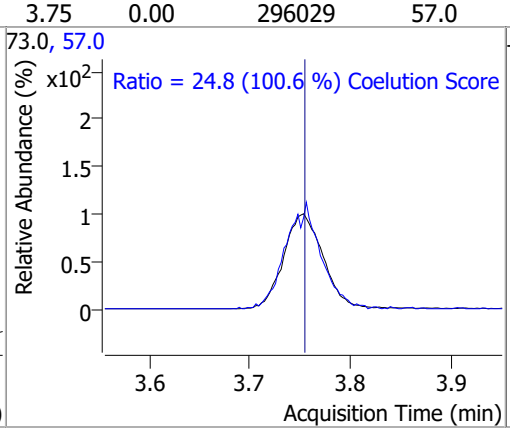


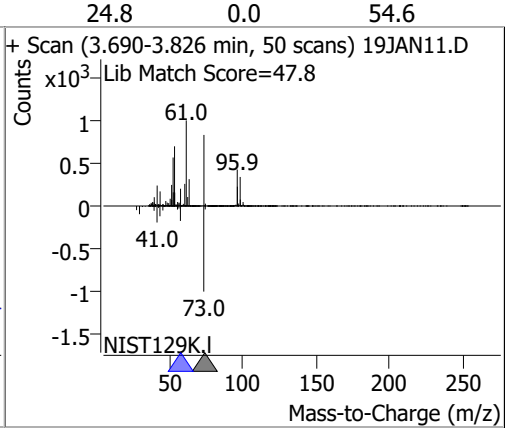




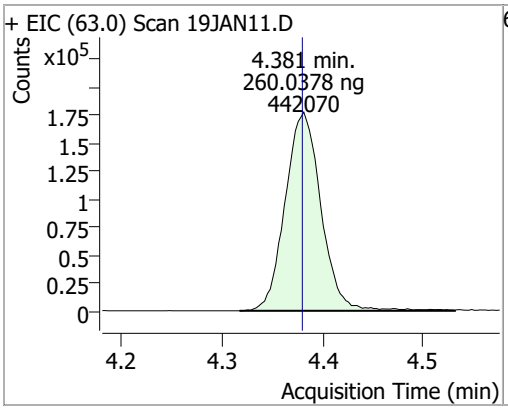
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	260.7416	3.75	0.00	296029	57.0	24.8	0.0	54.6

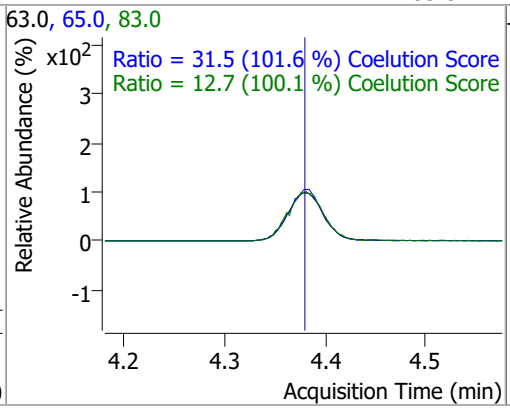


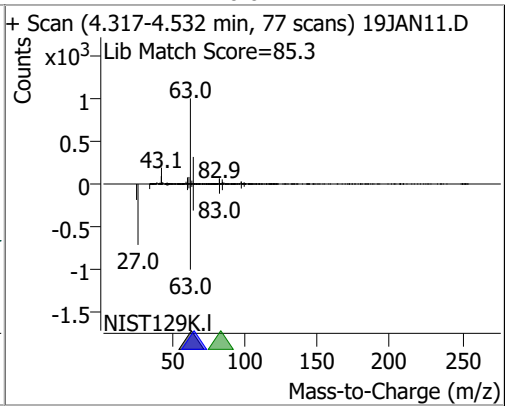




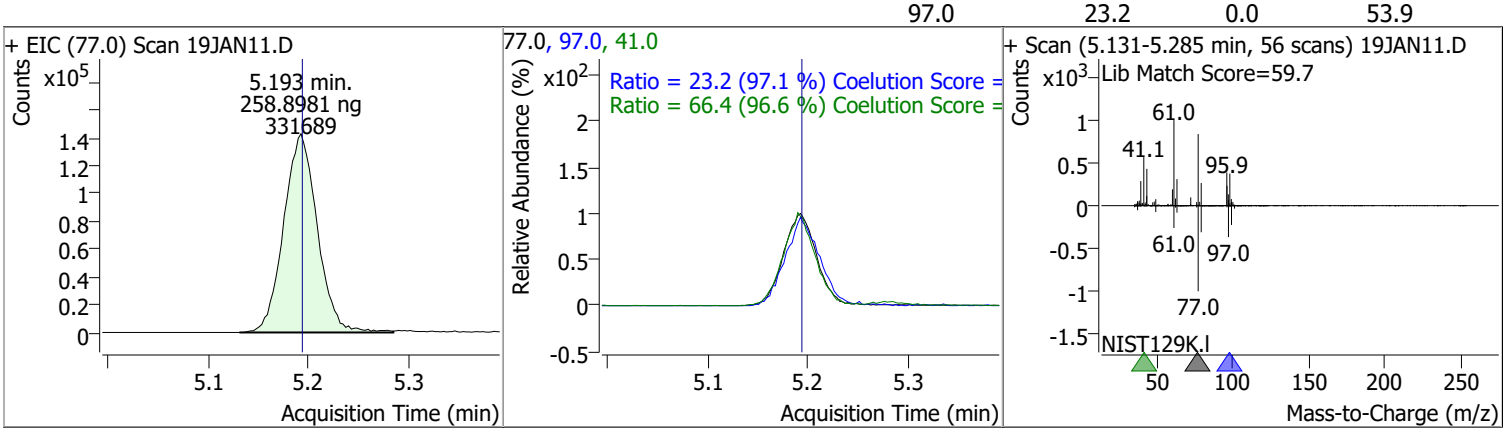
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	260.0378	4.38	0.00	442070	65.0	31.5	1.0	61.0
					83.0	12.7	0.0	42.7



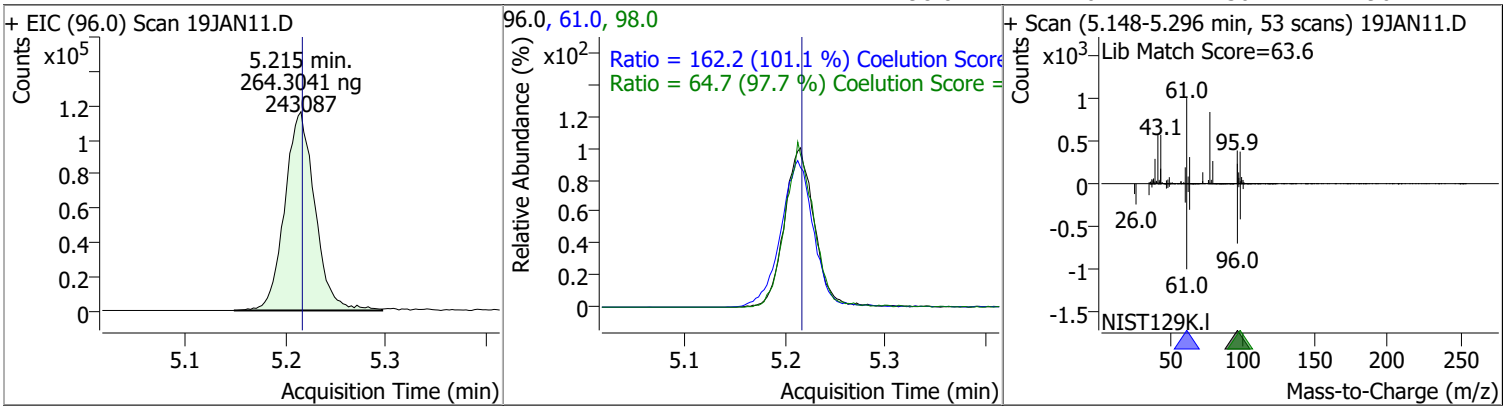




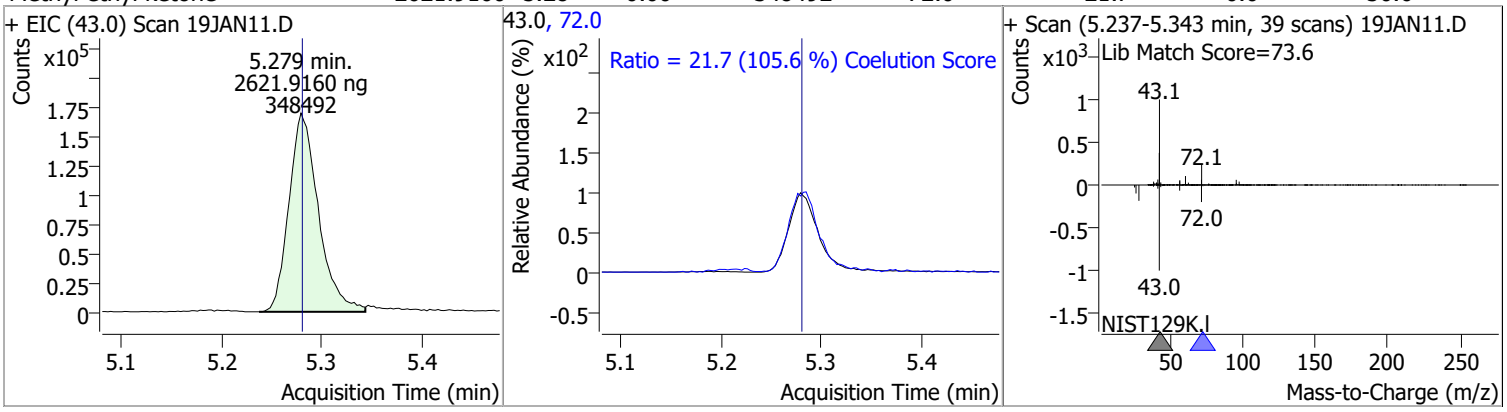
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	258.8981	5.19	0.00	331689	41.0	66.4	38.8	98.8
					97.0	23.2	0.0	53.9



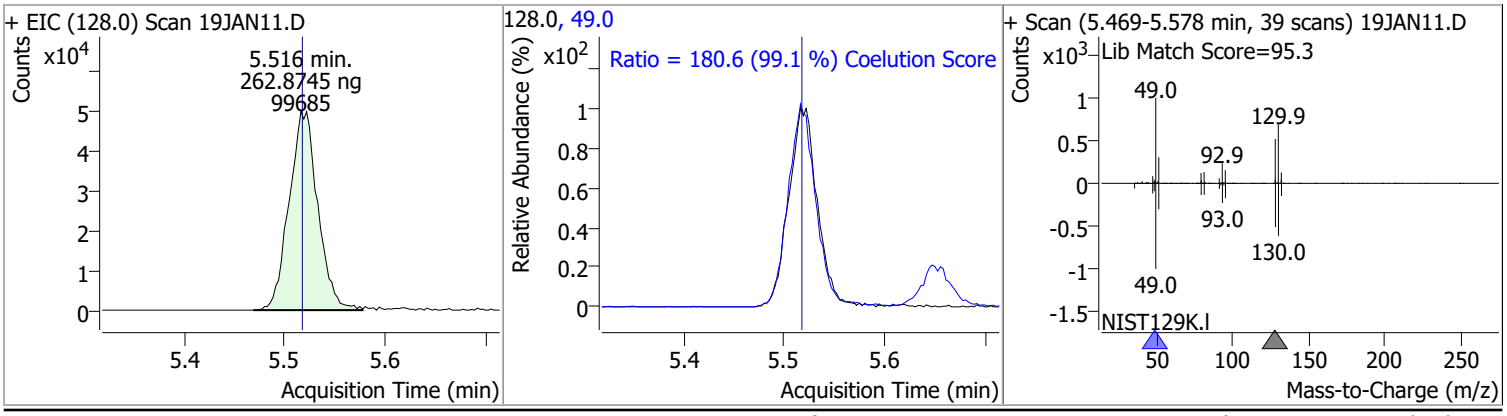
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	264.3041	5.22	0.00	243087	61.0	162.2	130.4	190.4
					98.0	64.7	36.2	96.2



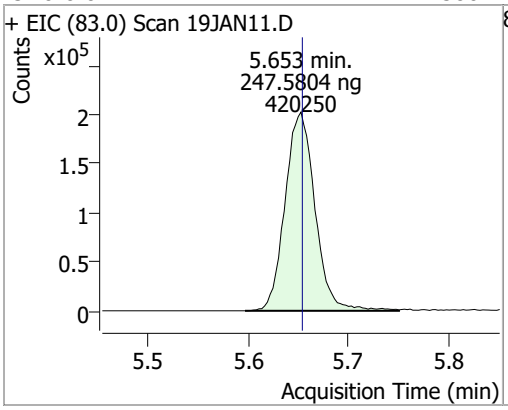
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	2621.9160	5.28	0.00	348492	72.0	21.7	0.0	50.6

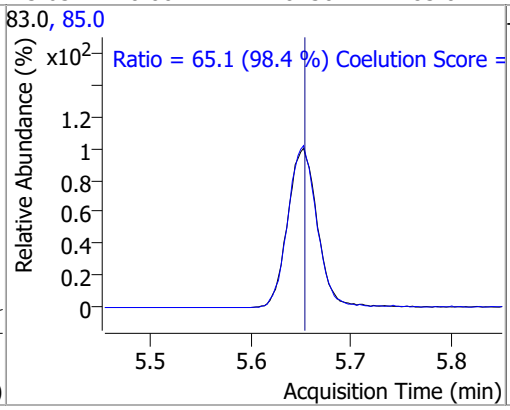


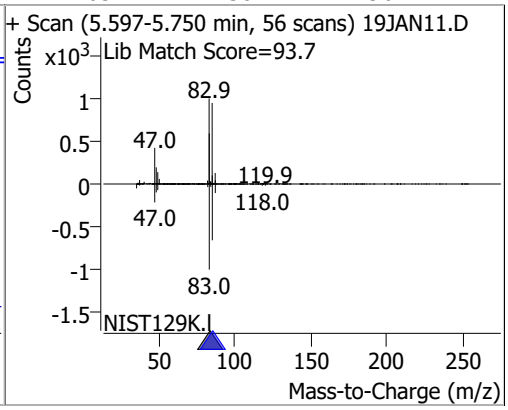
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	262.8745	5.52	0.00	99685	49.0	180.6	152.2	212.2



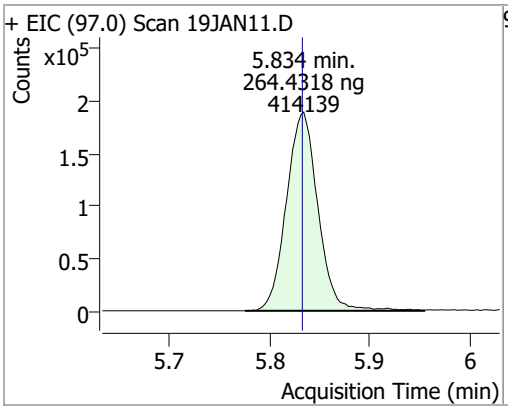
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	247.5804	5.65	0.00	420250	85.0	65.1	36.2	96.2

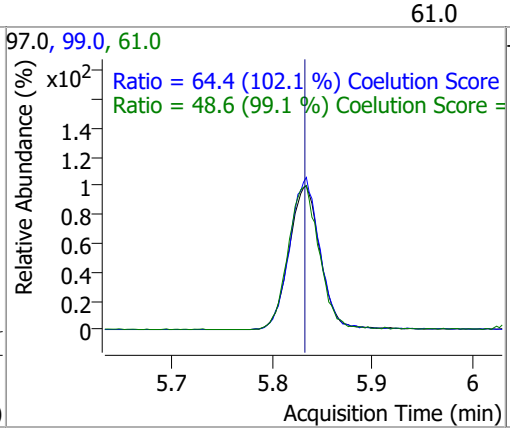


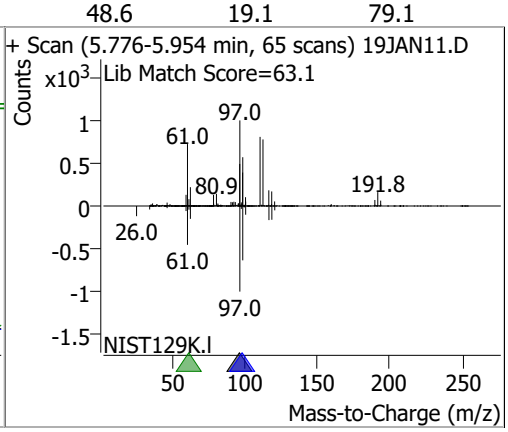




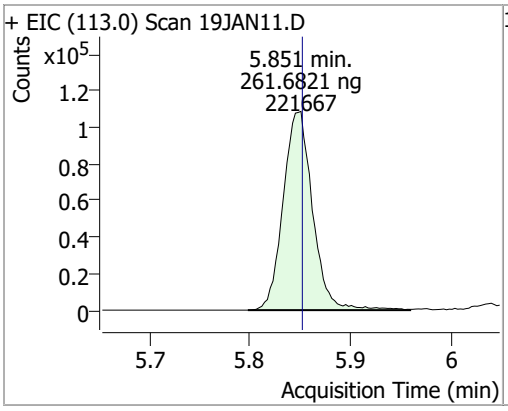
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	264.4318	5.83	0.00	414139	99.0	64.4	33.1	93.1
					61.0	48.6	19.1	79.1

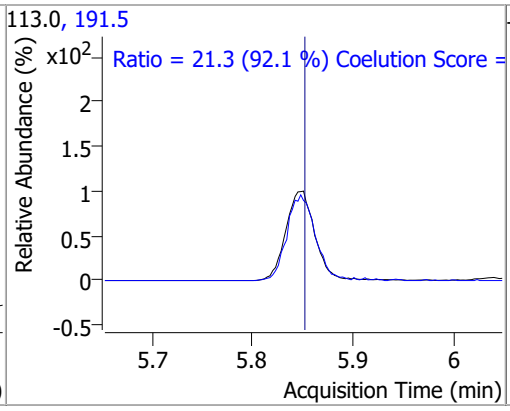


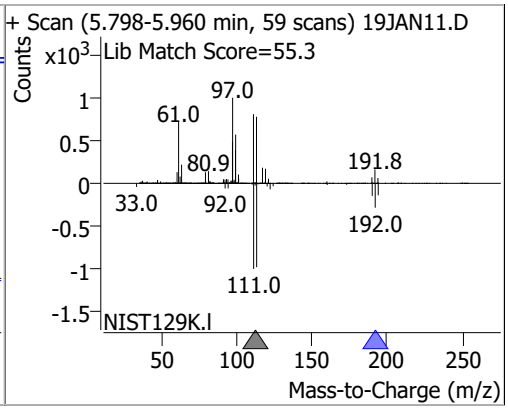




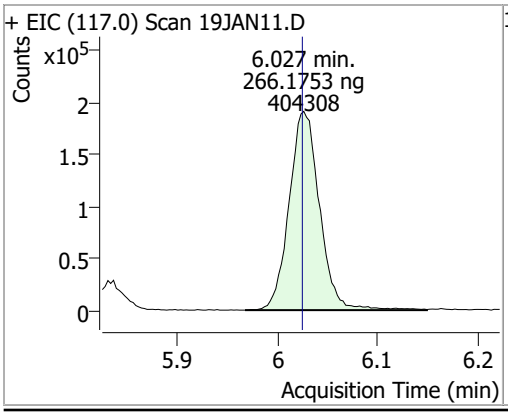
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	261.6821	5.85	0.00	221667	191.5	21.3	0.0	53.2

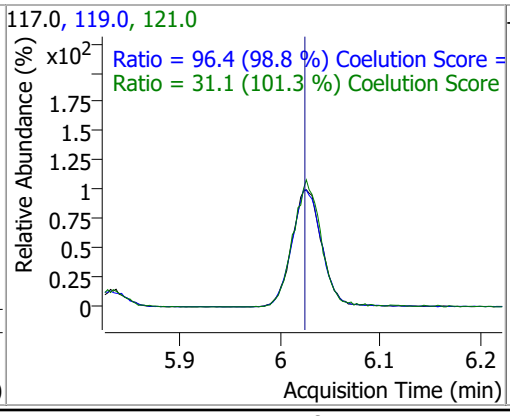


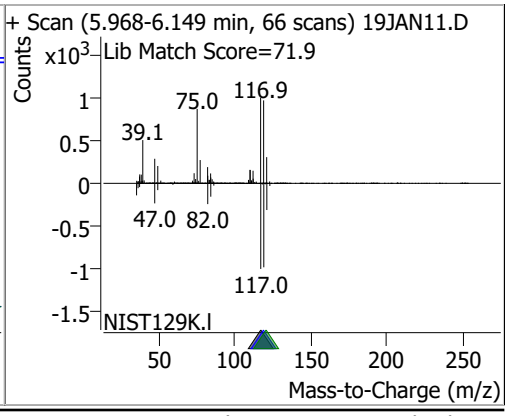




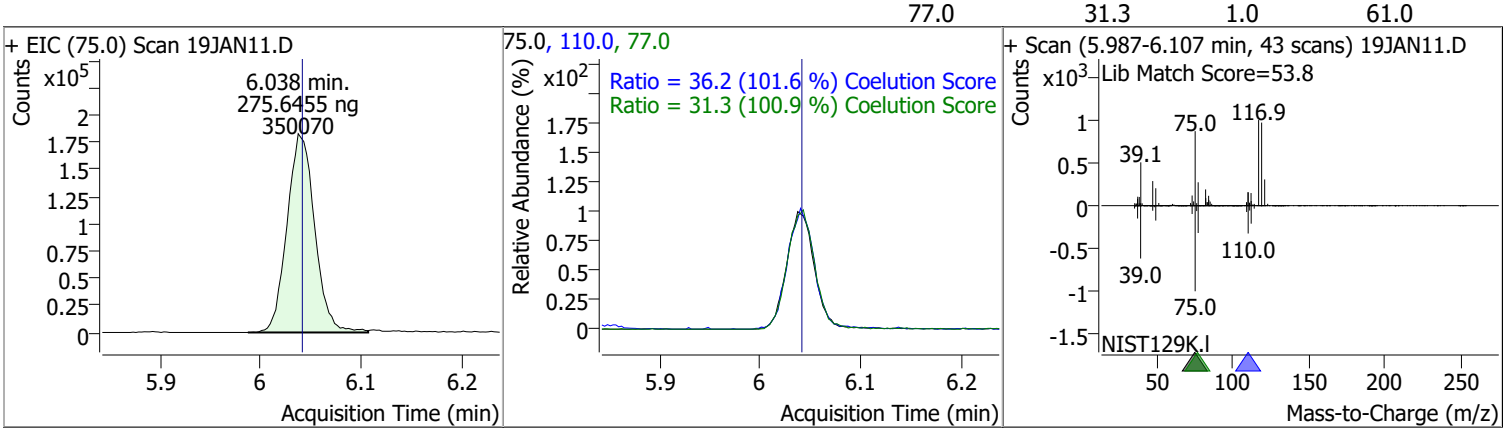
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	266.1753	6.03	0.00	404308	119.0	96.4	67.6	127.6
					121.0	31.1	0.7	60.7



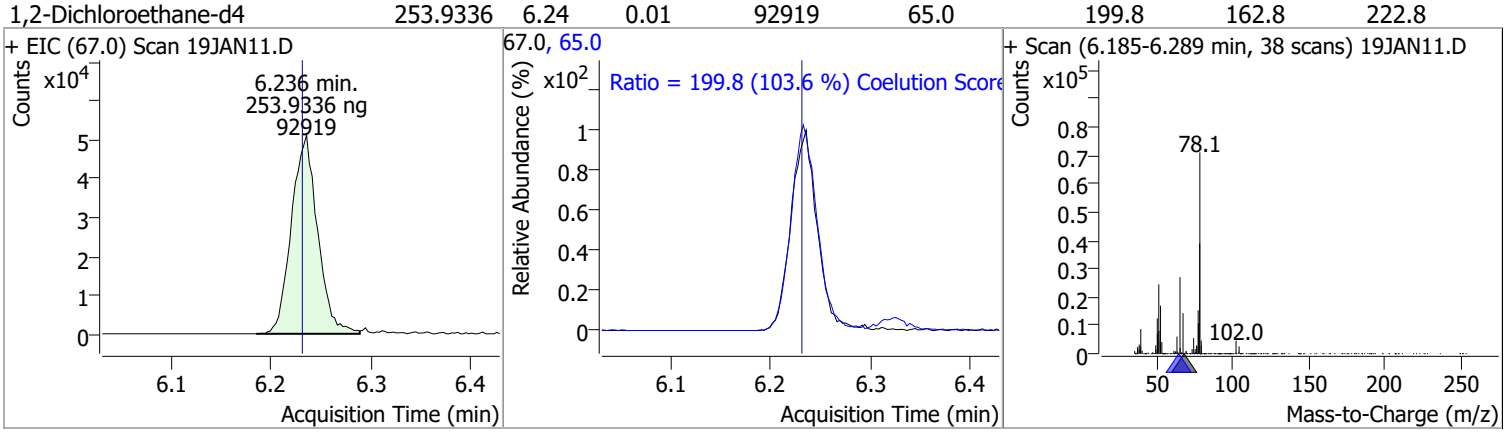




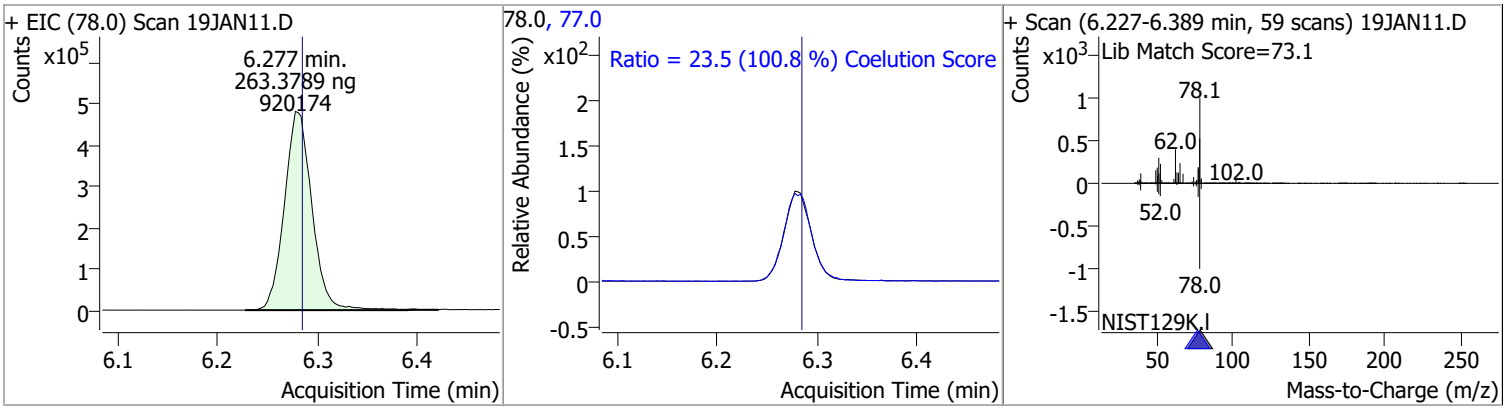
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	275.6455	6.04	0.00	350070	110.0	36.2	5.6	65.6
					77.0	31.3	1.0	61.0



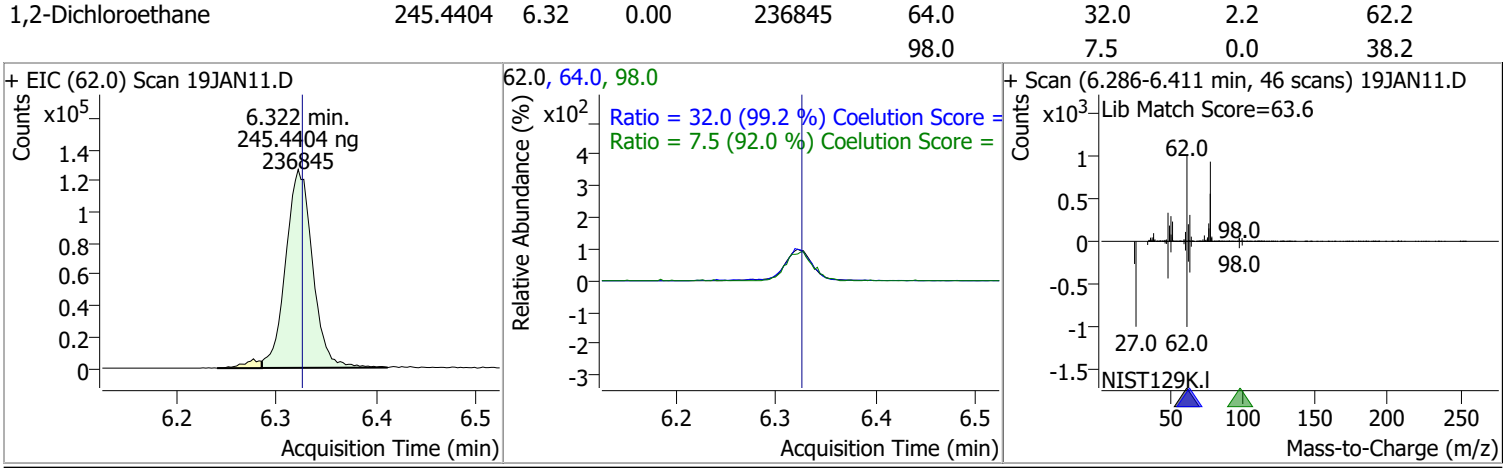
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	253.9336	6.24	0.01	92919	65.0	199.8	162.8	222.8



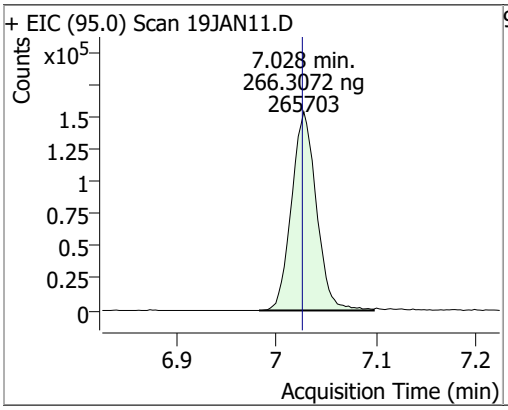
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	263.3789	6.28	-0.01	920174	77.0	23.5	0.0	53.3

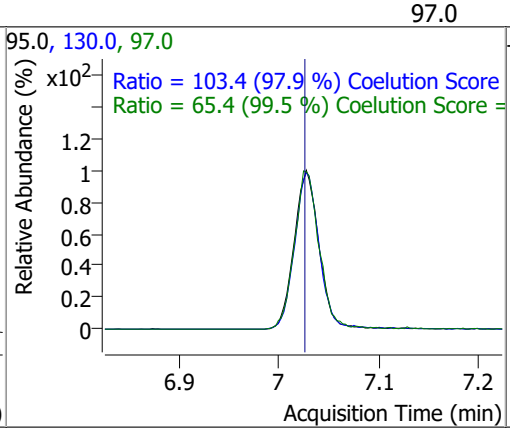


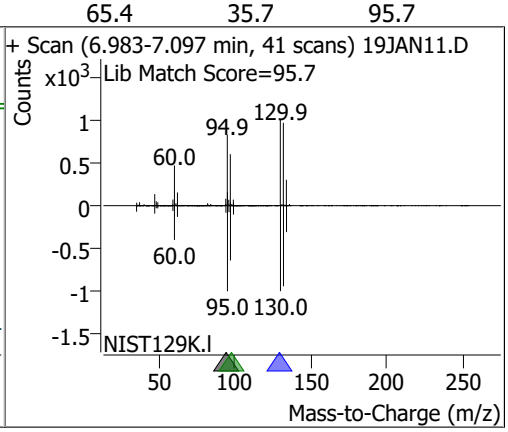
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	245.4404	6.32	0.00	236845	64.0	32.0	2.2	62.2
					98.0	7.5	0.0	38.2



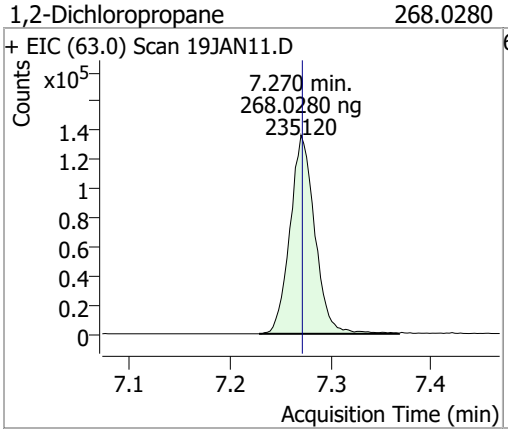
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	266.3072	7.03	0.00	265703	130.0	103.4	75.6	135.6
					97.0	65.4	35.7	95.7

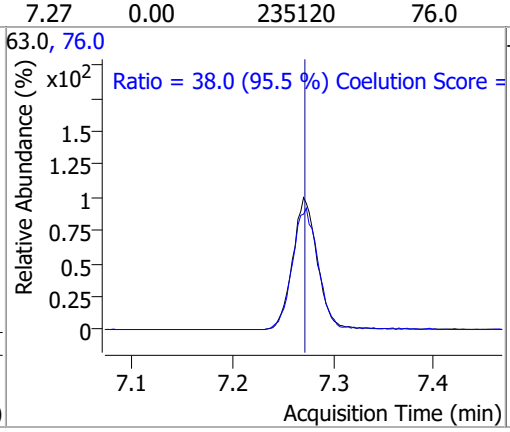


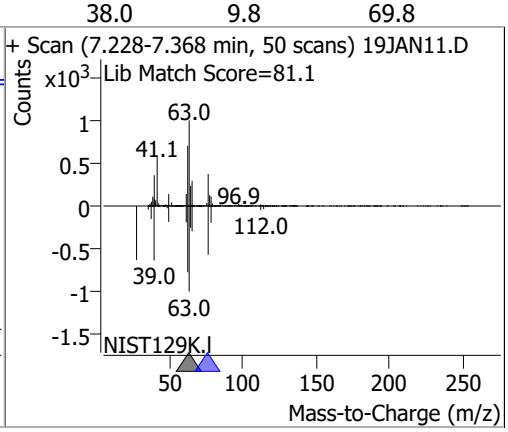




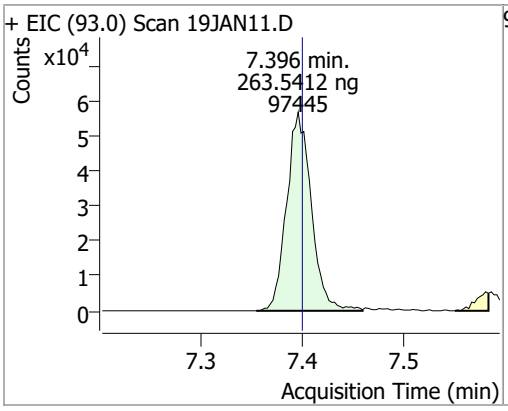
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	268.0280	7.27	0.00	235120	76.0	38.0	9.8	69.8

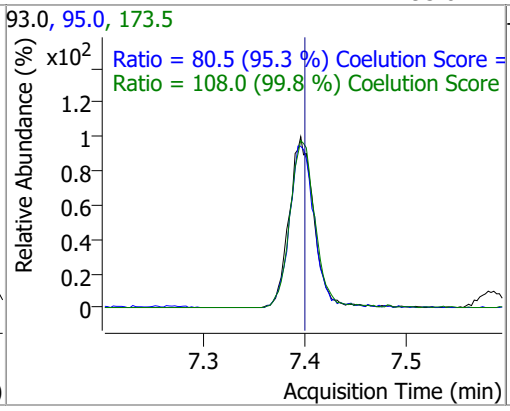


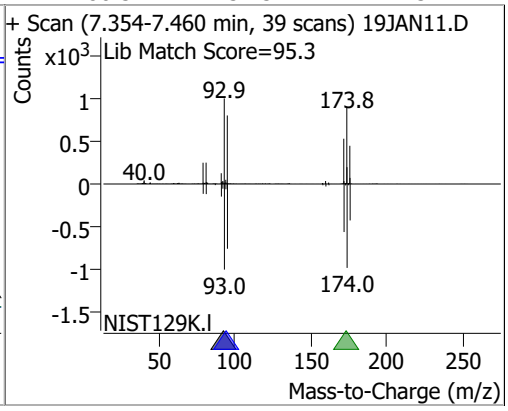




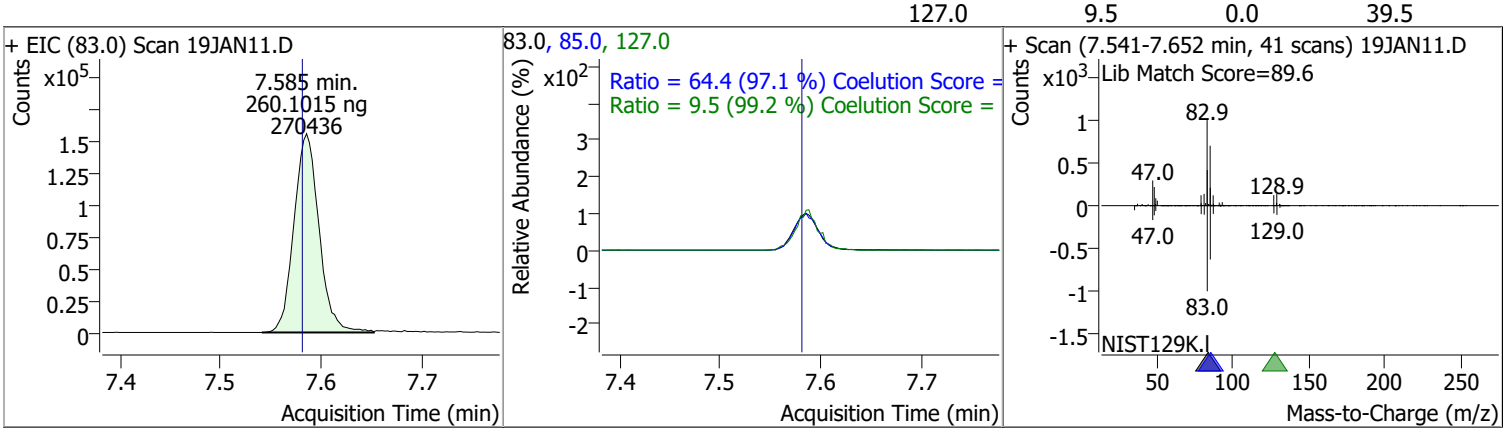
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	263.5412	7.40	0.00	97445	173.5	108.0	78.2	138.2
					95.0	80.5	54.5	114.5



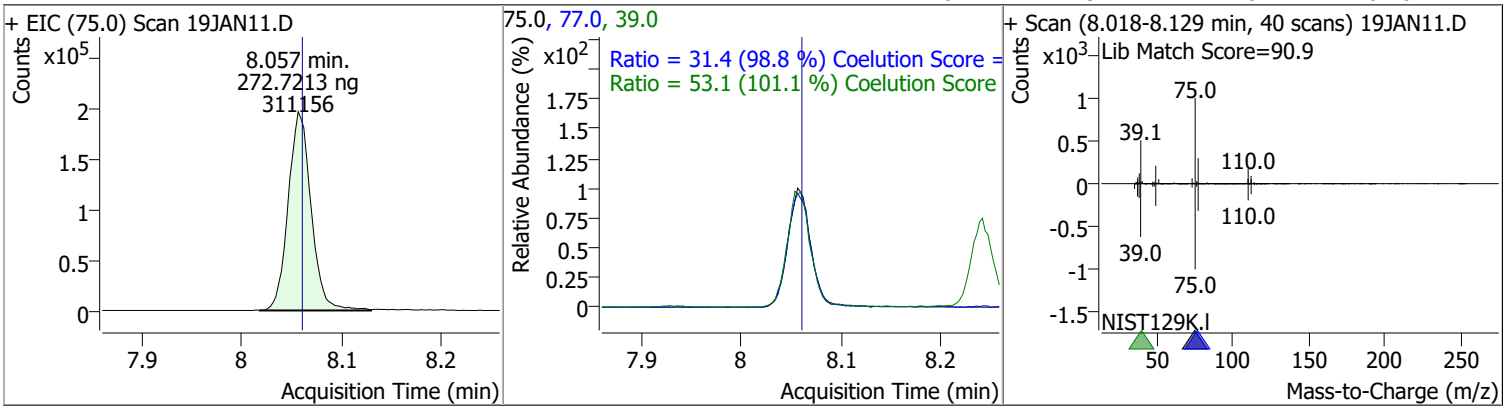




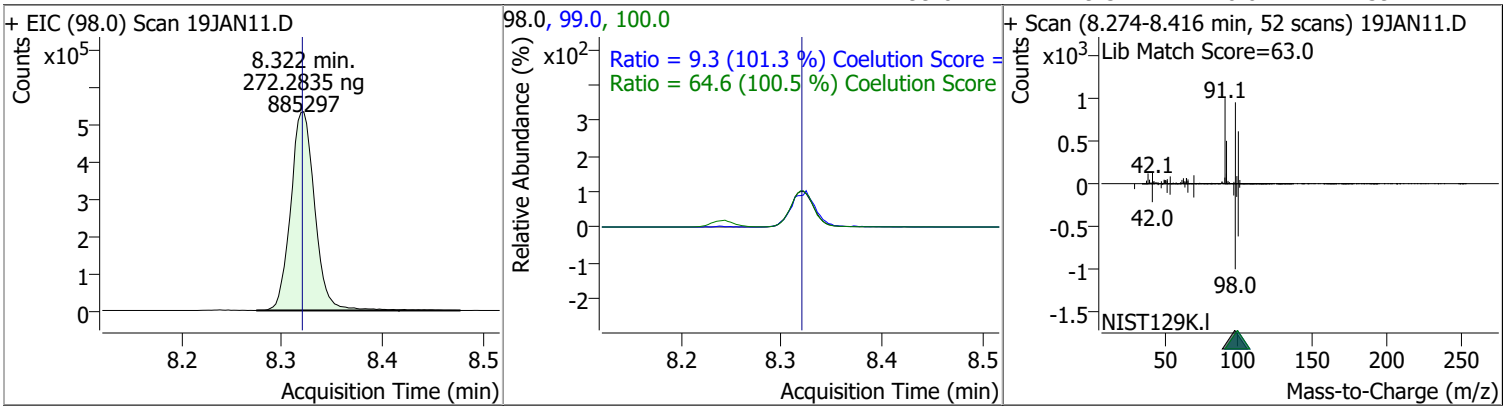
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	260.1015	7.59	0.01	270436	85.0	64.4	36.3	96.3
					127.0	9.5	0.0	39.5



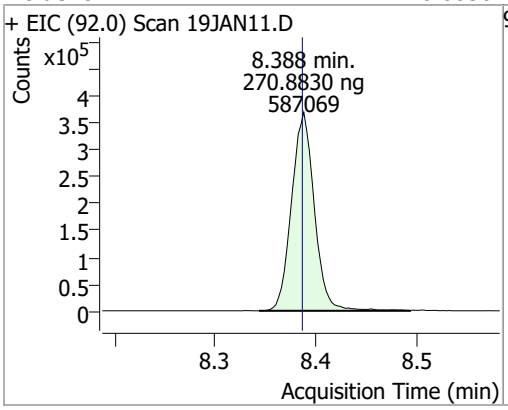
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	272.7213	8.06	0.00	311156	39.0	53.1	22.5	82.5
					77.0	31.4	1.8	61.8

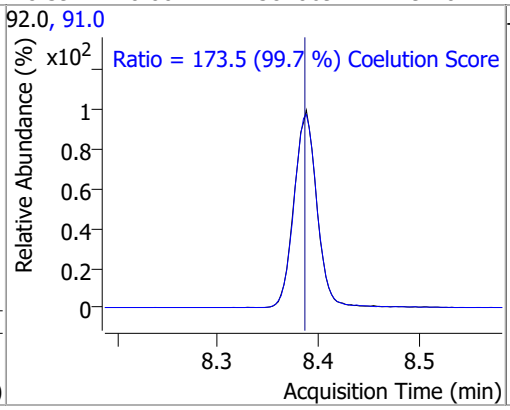


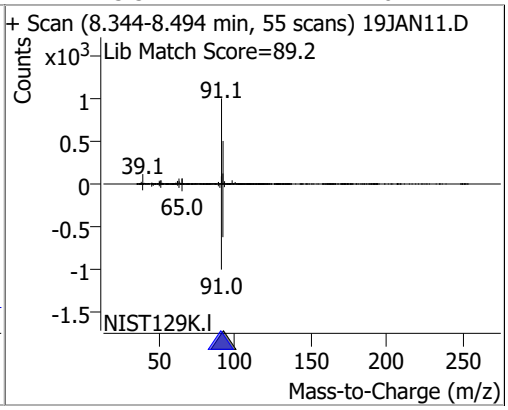
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	272.2835	8.32	0.00	885297	100.0	64.6	34.3	94.3
					99.0	9.3	0.0	39.2



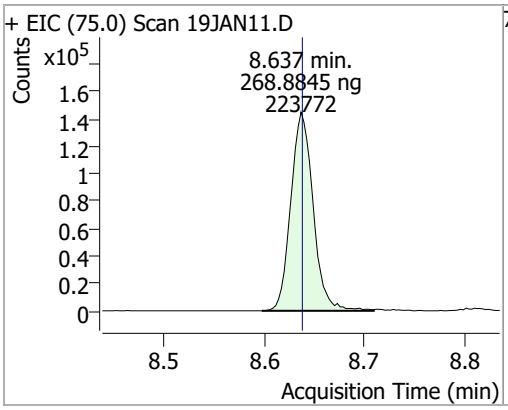
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	270.8830	8.39	0.00	587069	91.0	173.5	144.1	204.1

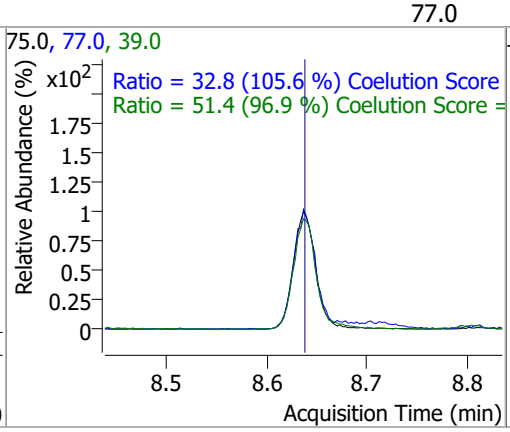


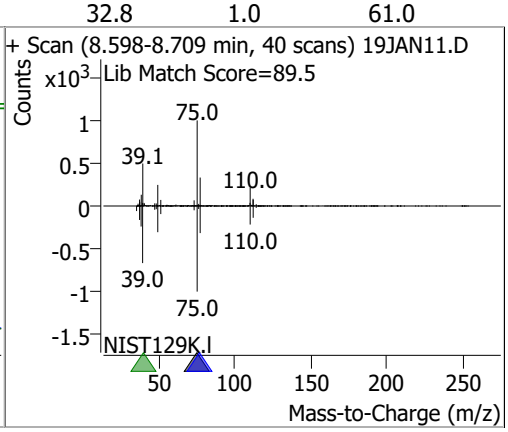




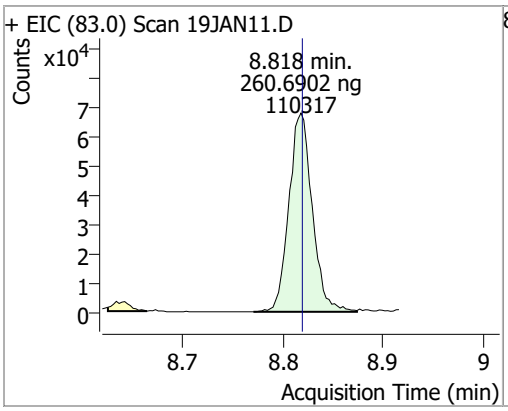
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	268.8845	8.64	0.00	223772	39.0	51.4	23.0	83.0
					77.0	32.8	1.0	61.0

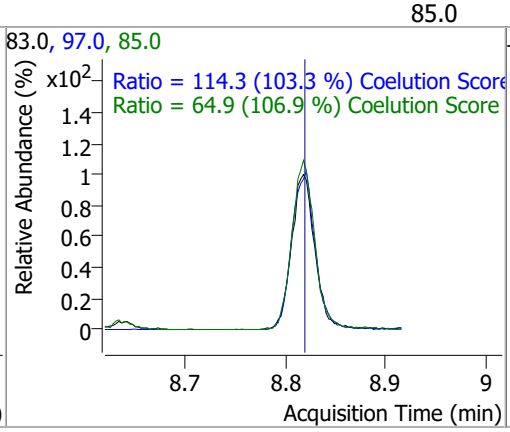


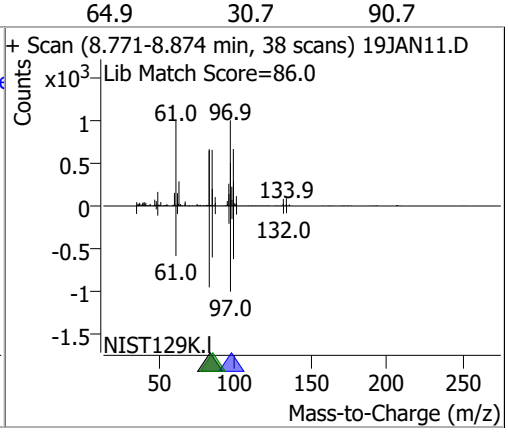




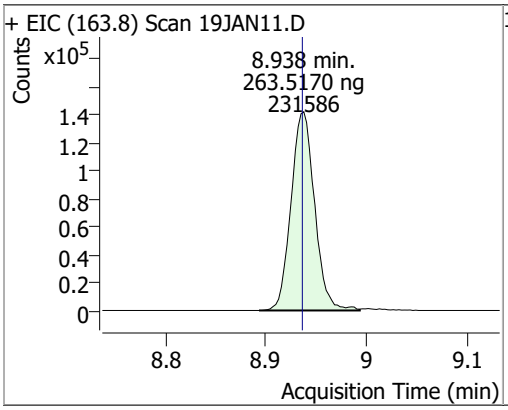
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	260.6902	8.82	0.00	110317	97.0	114.3	80.7	140.7
					85.0	64.9	30.7	90.7

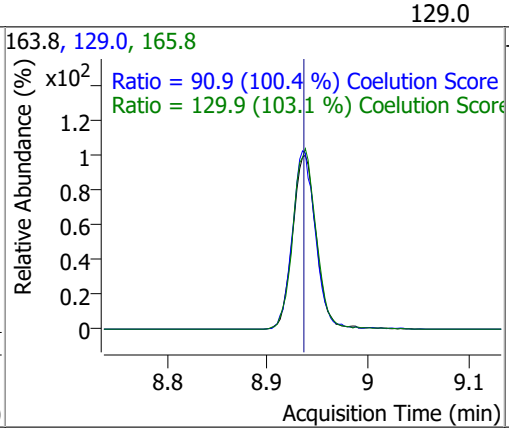


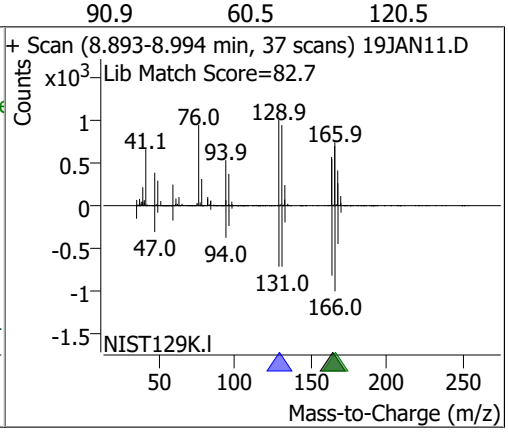




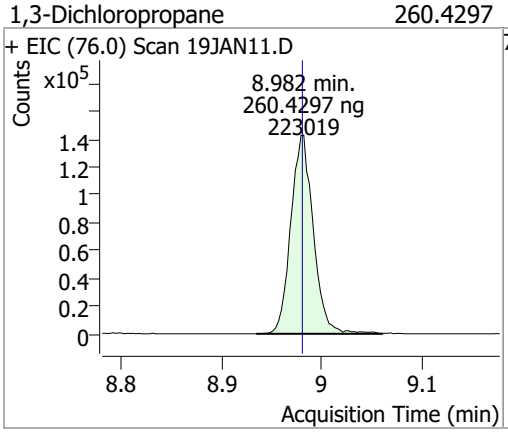
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	263.5170	8.94	0.00	231586	165.8	129.9	96.1	156.1
					129.0	90.9	60.5	120.5

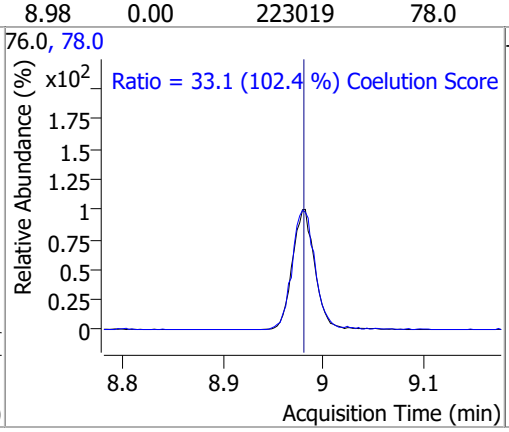


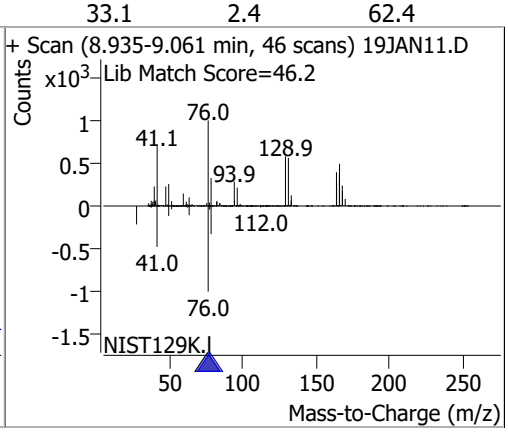




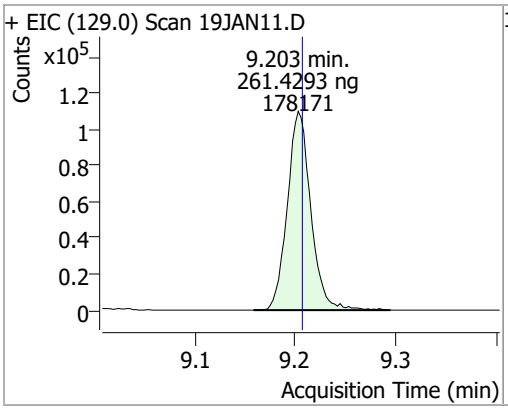
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	260.4297	8.98	0.00	223019	78.0	33.1	2.4	62.4

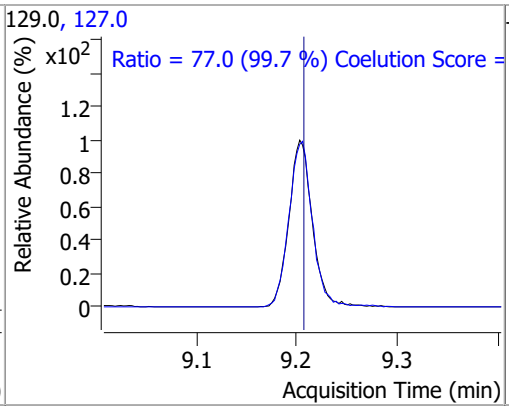


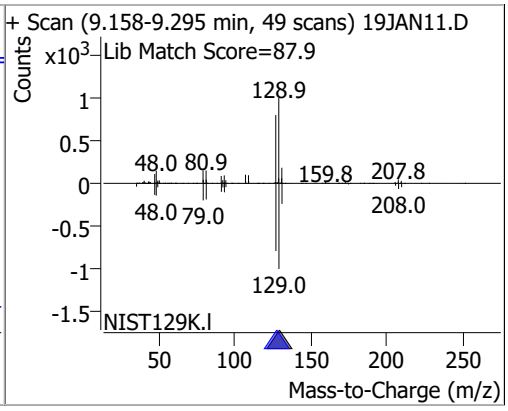




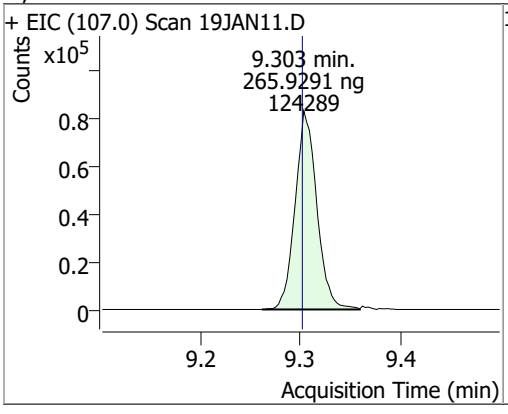
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	261.4293	9.20	0.00	178171	127.0	77.0	47.2	107.2

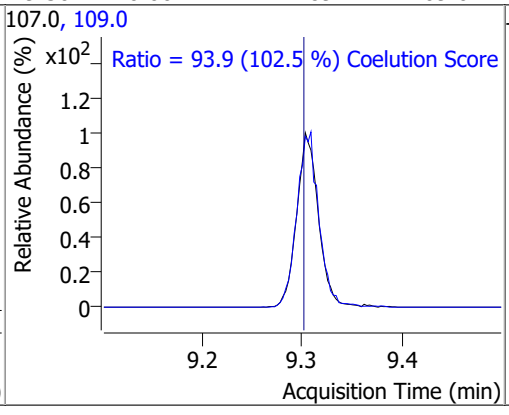


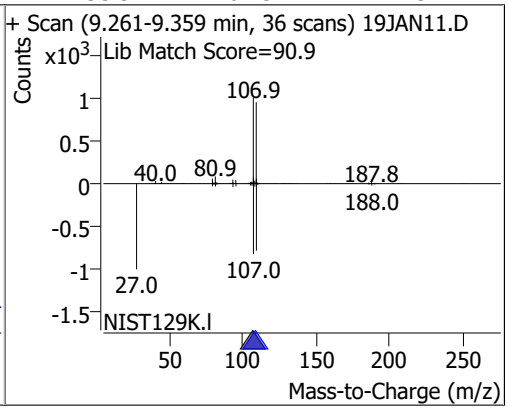




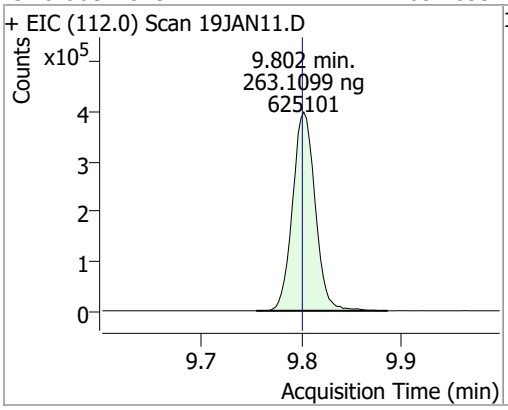
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	265.9291	9.30	0.00	124289	109.0	93.9	61.5	121.5

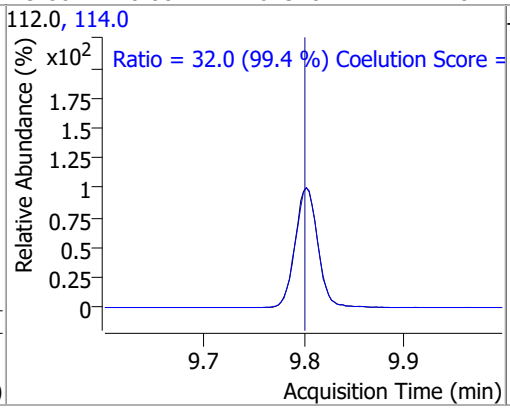


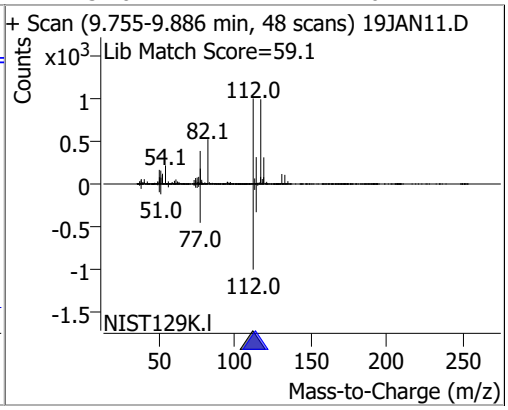




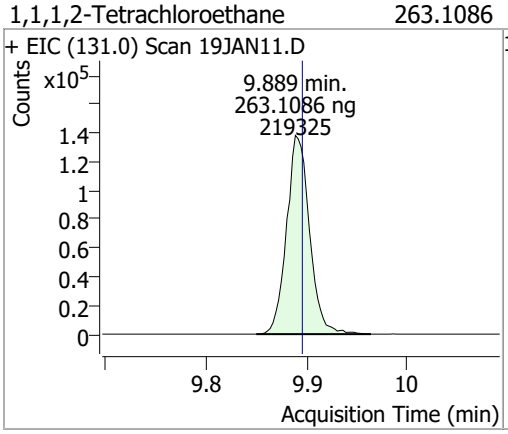
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	263.1099	9.80	0.00	625101	114.0	32.0	2.2	62.2

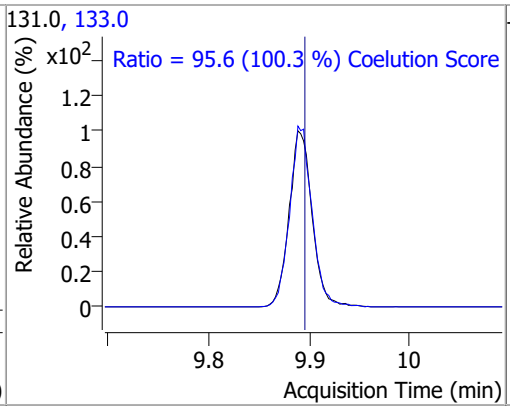


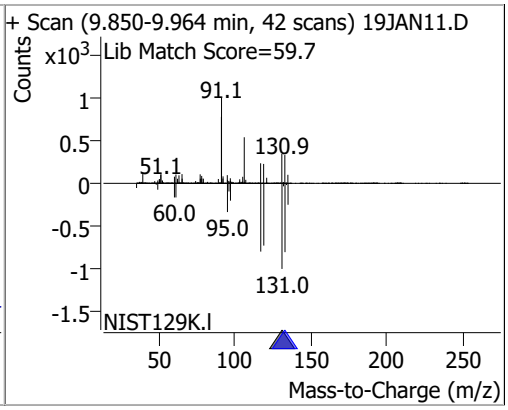




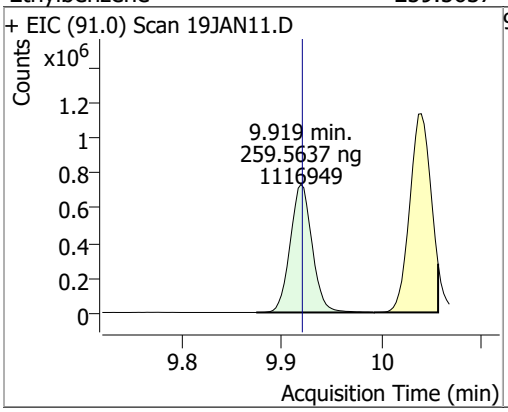
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	263.1086	9.89	-0.01	219325	133.0	95.6	65.3	125.3

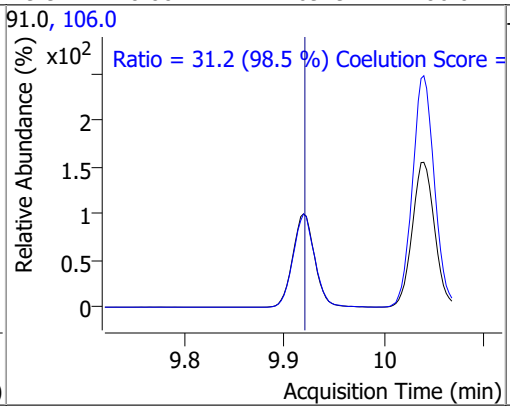


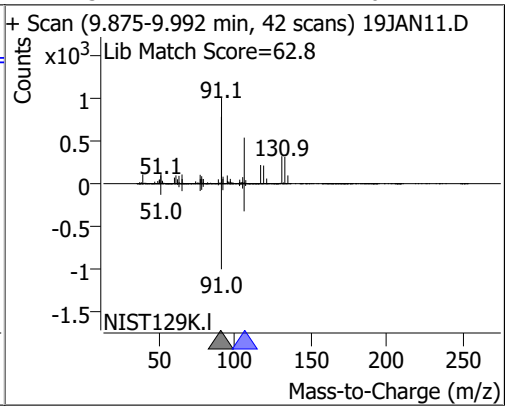




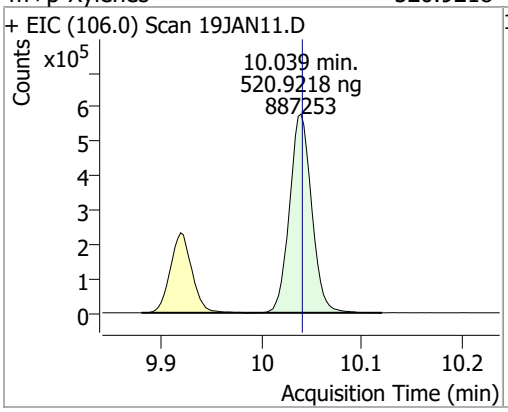
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	259.5637	9.92	0.00	1116949	106.0	31.2	1.7	61.7

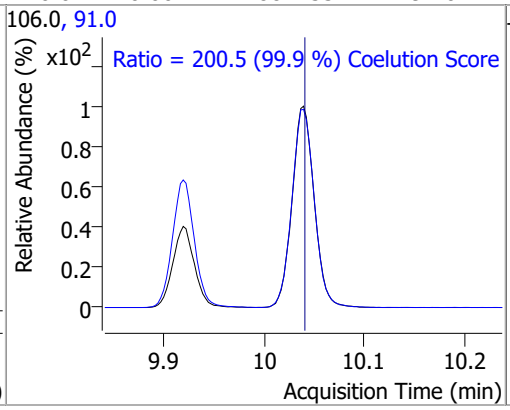


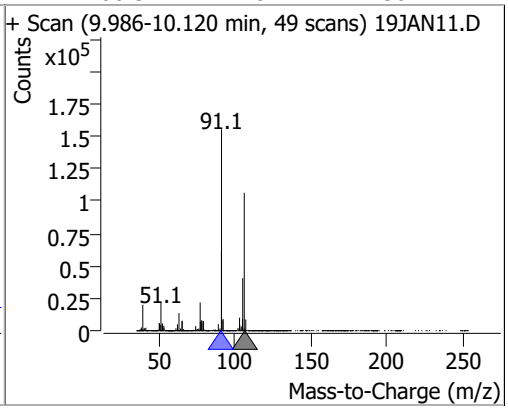




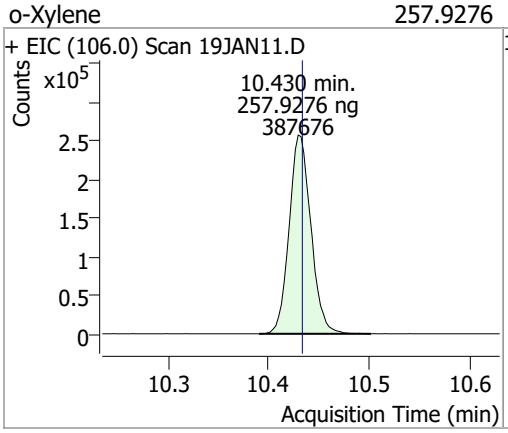
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	520.9218	10.04	0.00	887253	91.0	200.5	170.7	230.7

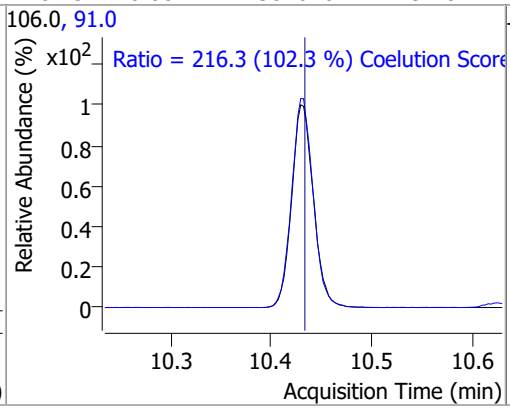


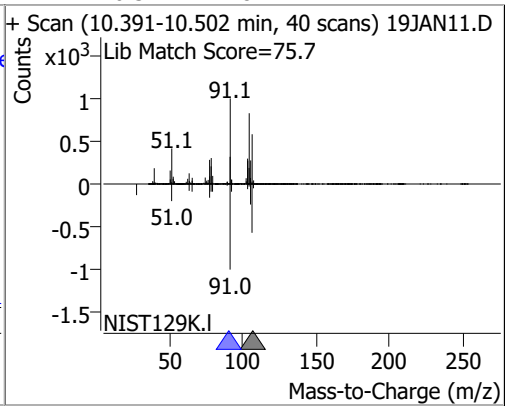




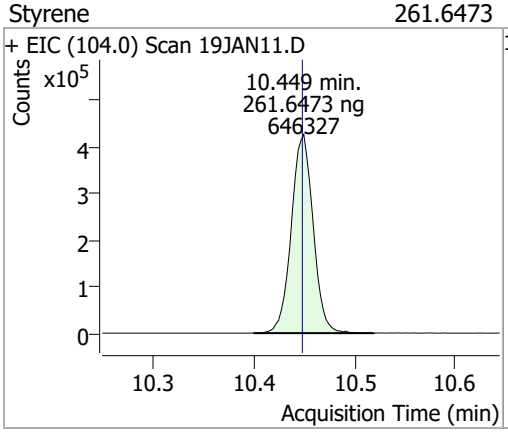
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	257.9276	10.43	0.00	387676	91.0	216.3	181.4	241.4

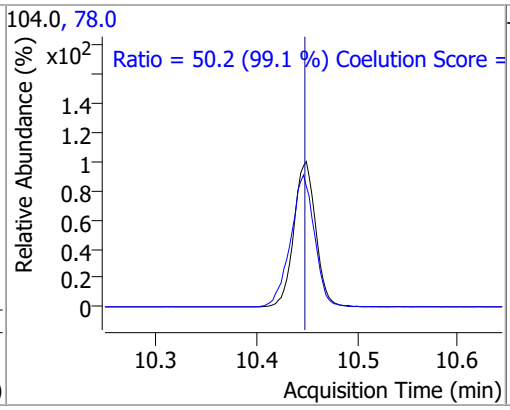


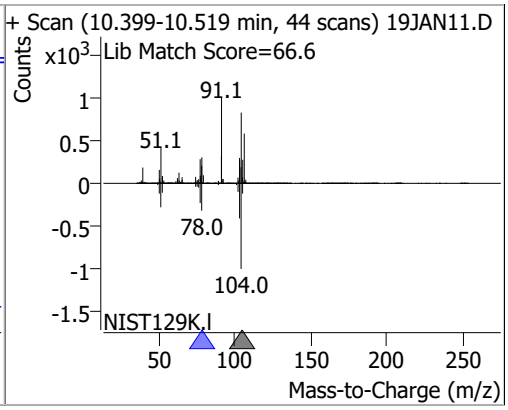




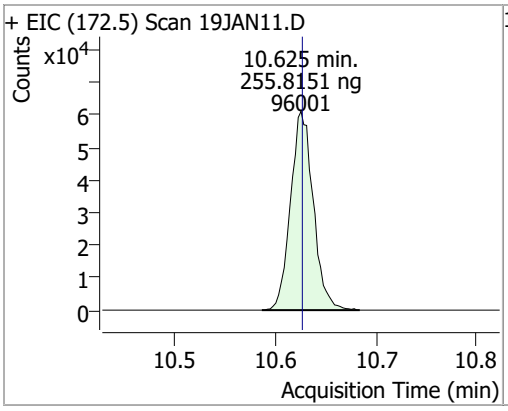
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	261.6473	10.45	0.00	646327	78.0	50.2	20.6	80.6

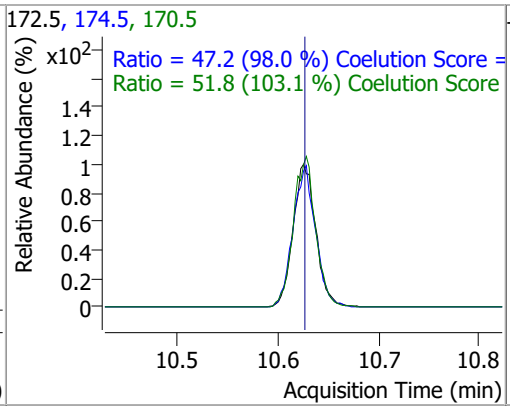


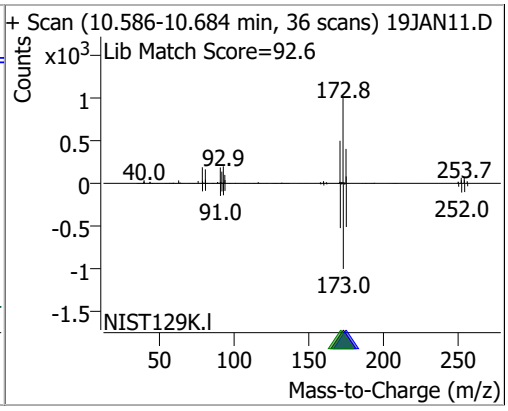




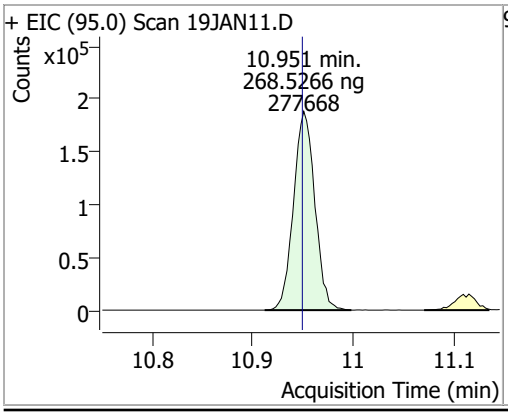
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	255.8151	10.62	0.00	96001	170.5	51.8	20.3	80.3
					174.5	47.2	18.1	78.1

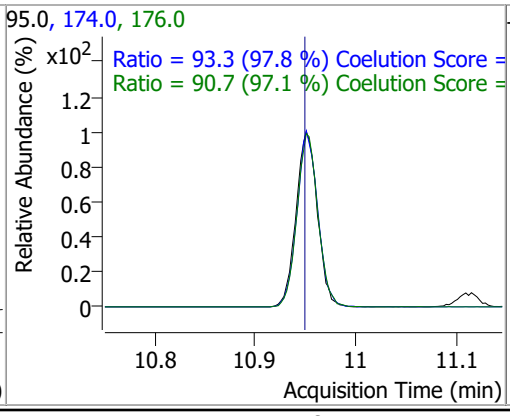


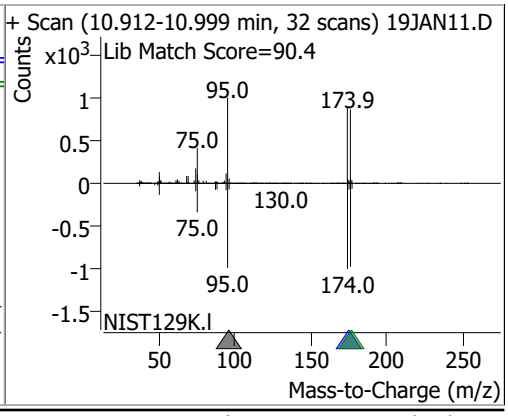




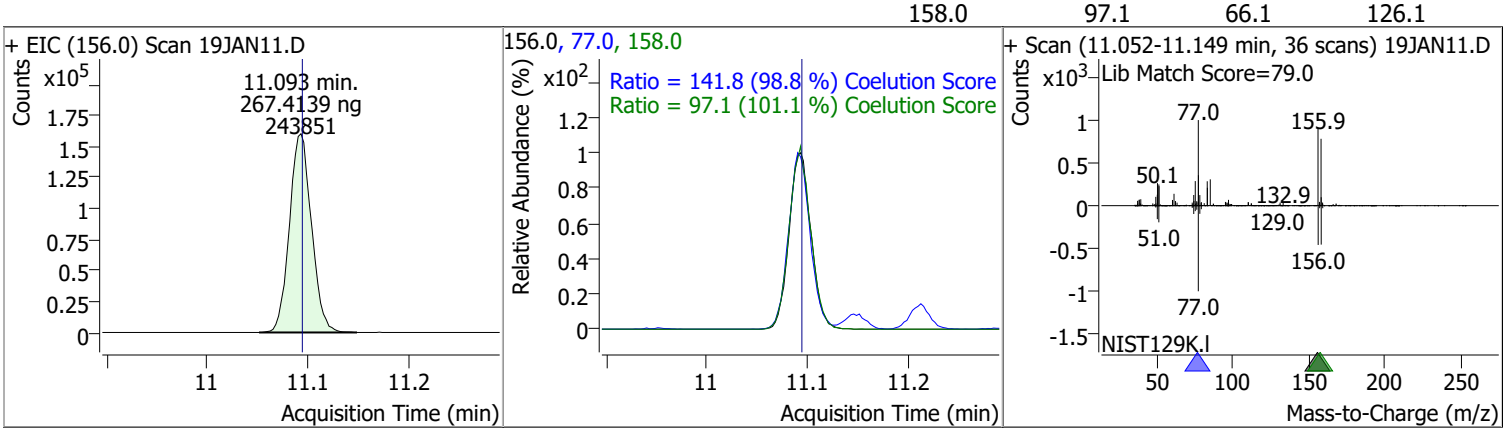
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	268.5266	10.95	0.00	277668	174.0	93.3	65.3	125.3
					176.0	90.7	63.3	123.3



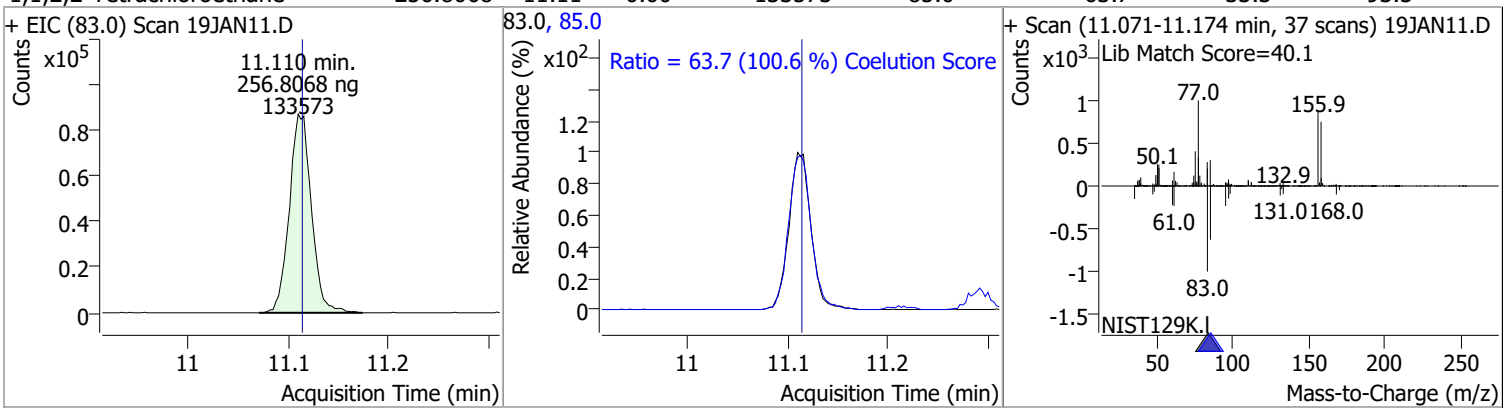




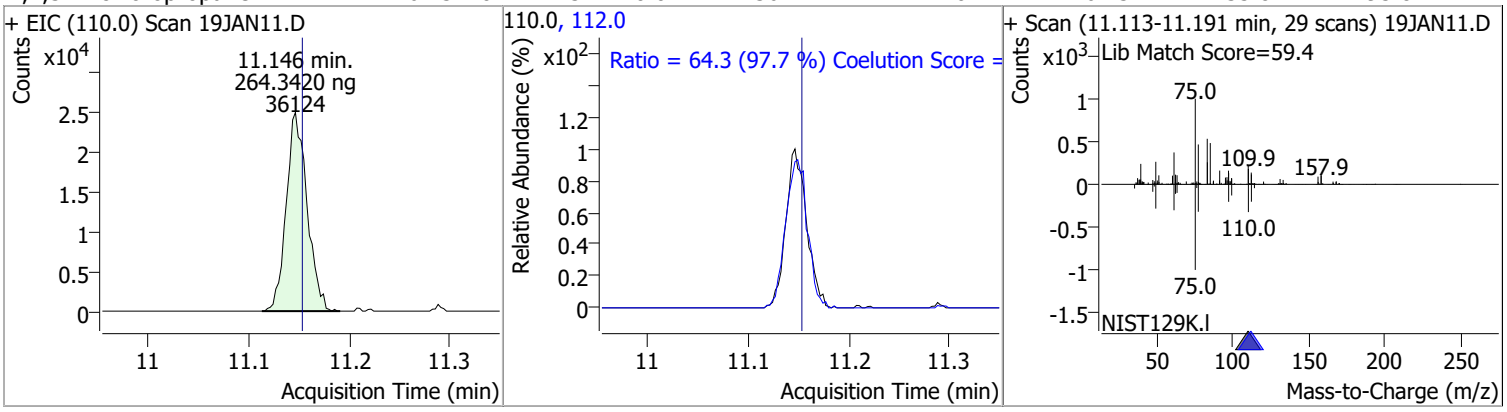
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	267.4139	11.09	0.00	243851	77.0	141.8	113.5	173.5
					158.0	97.1	66.1	126.1



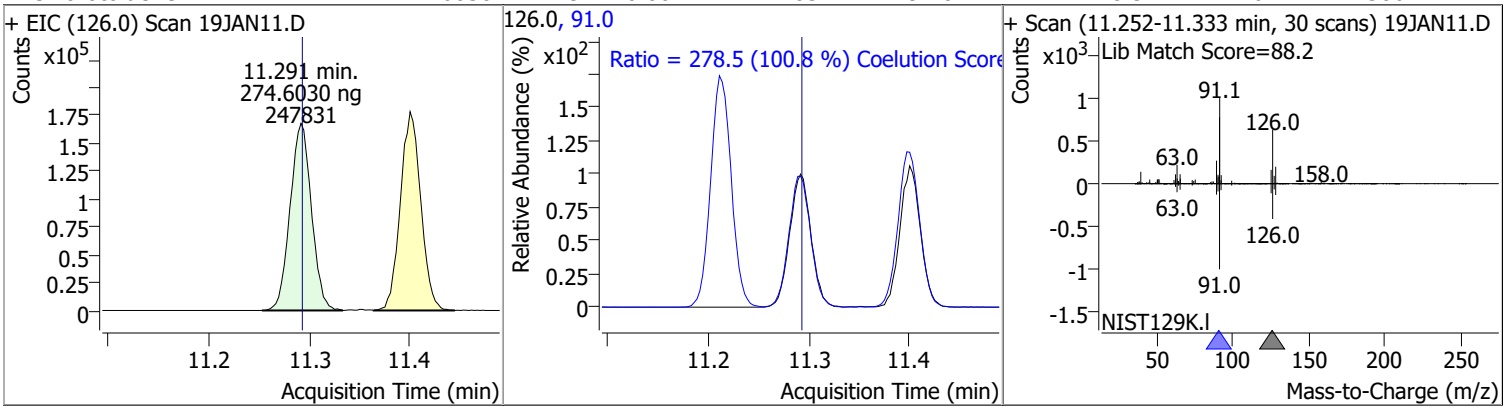
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	256.8068	11.11	0.00	133573	85.0	63.7	33.3	93.3



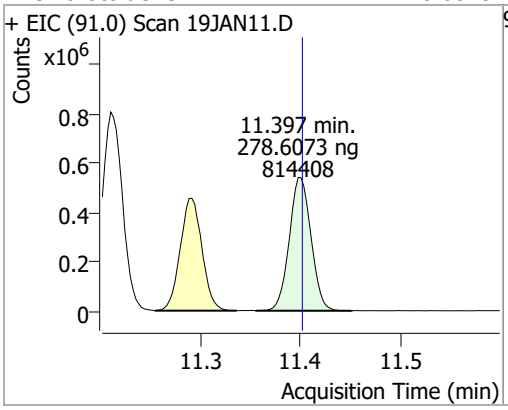
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	264.3420	11.15	-0.01	36124	112.0	64.3	35.8	95.8

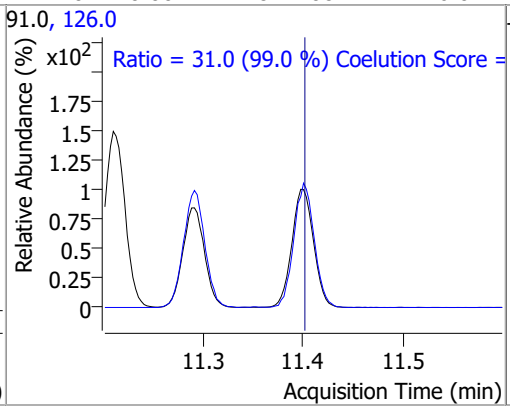


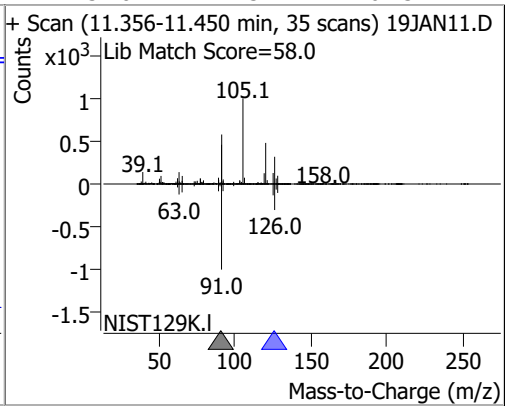
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	274.6030	11.29	0.00	247831	91.0	278.5	246.2	306.2



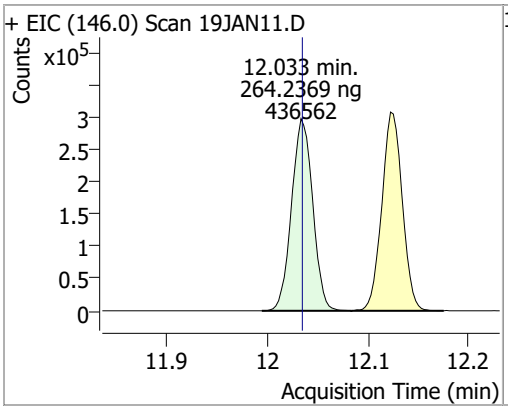
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	278.6073	11.40	0.00	814408	126.0	31.0	1.3	61.3

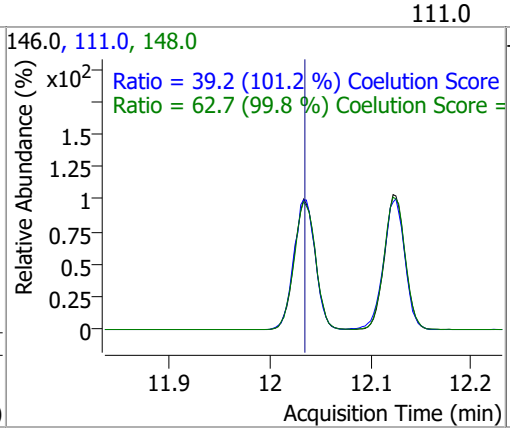


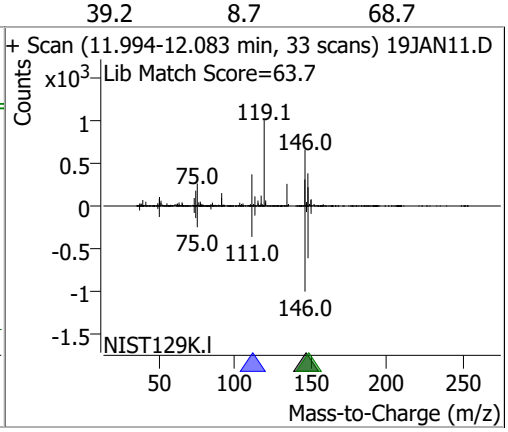




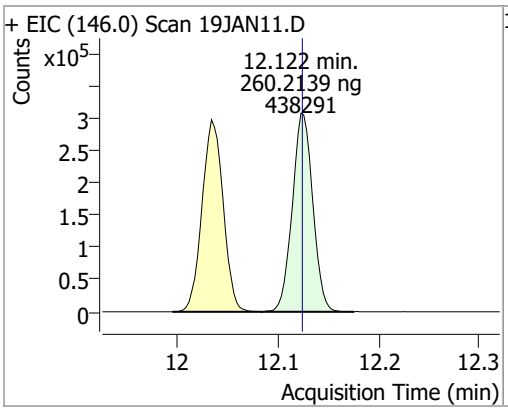
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	264.2369	12.03	0.00	436562	148.0	62.7	32.8	92.8
					111.0	39.2	8.7	68.7

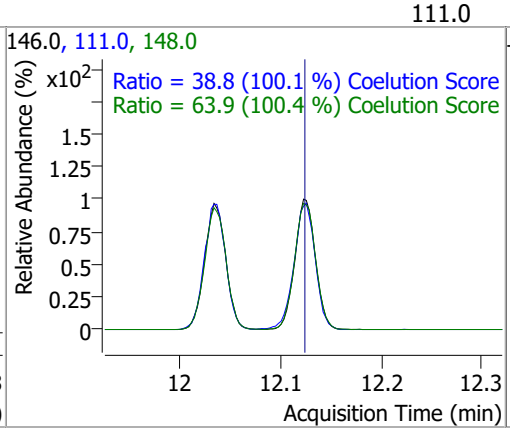


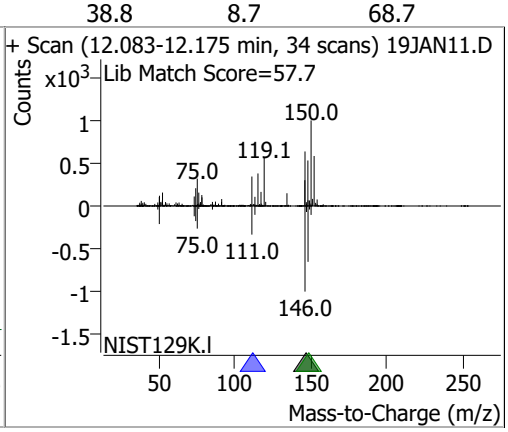




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	260.2139	12.12	0.00	438291	148.0	63.9	33.7	93.7
					111.0	38.8	8.7	68.7

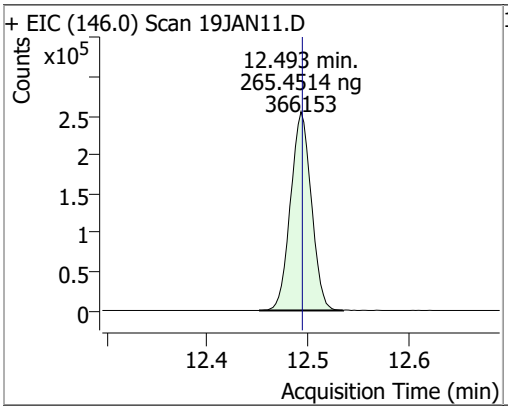


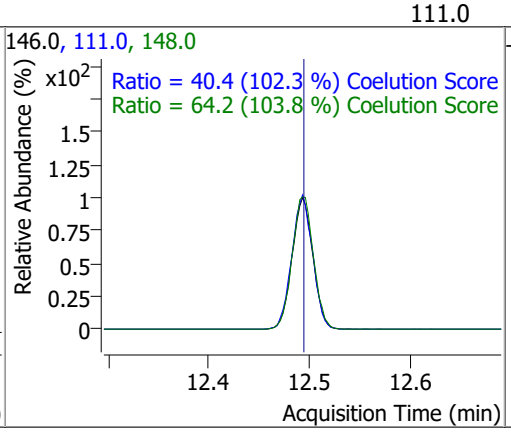


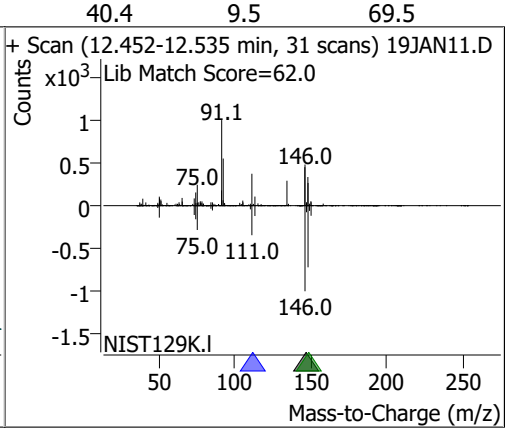


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	265.4514	12.49	0.00	366153	148.0	64.2	31.9	91.9
					111.0	40.4	9.5	69.5

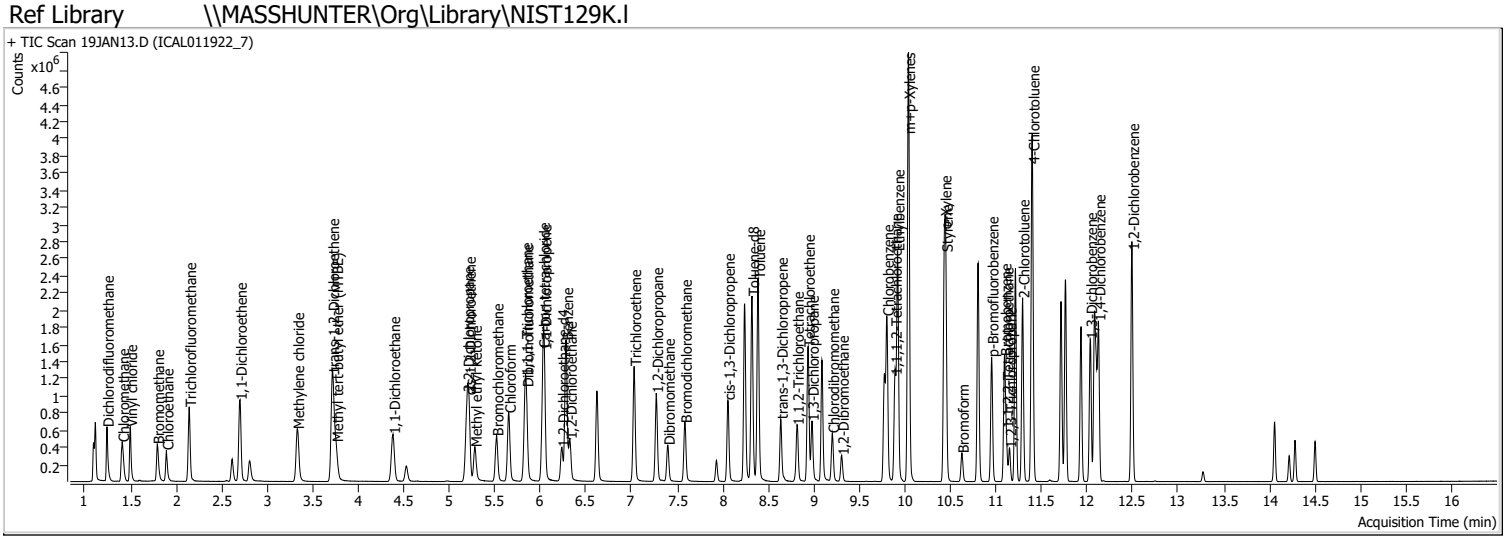






Quantitation Results Report (QT Reviewed)

Data File	19JAN13.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	1/19/2022 2:53:18 PM
Sample Name	ICAL011922_7	Instrument	VOA5975C
Vial	13	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG011922_8260B.batch.bin	Last Calib Update	1/20/2022 9:28:12 AM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

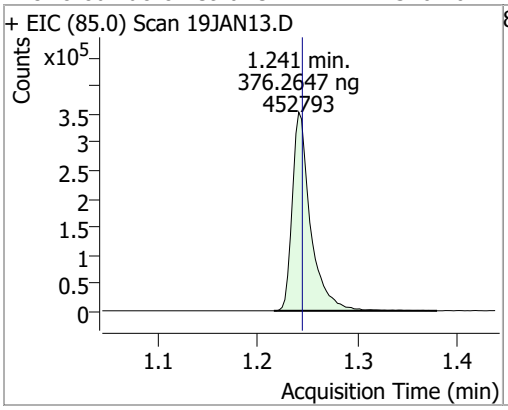


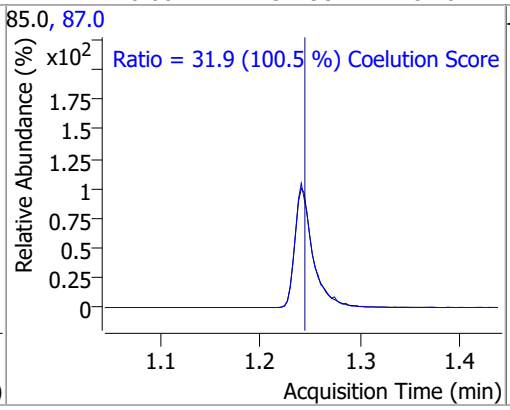
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.618	96.0	894962	250.0000	ng		-0.003
M Chlorobenzene-d5	9.774	82.0	333736	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	286959	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.845	113.0	325687	375.7157	ng		-0.006
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 150.29%		*	
S 1,2-Dichloroethane-d4	6.233	67.0	139362	372.1740	ng		0.003
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 148.87%		*	
S Toluene-d8	8.322	98.0	1329503	408.3346	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 163.33%		*	
S p-Bromofluorobenzene	10.951	95.0	415878	392.5157	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 157.01%		*	
Target Compounds							**QValue**
T Dichlorodifluoromethane	1.241	85.0	452793	376.2647	ng		100
T Chloromethane	1.408	50.0	529250	373.5581	ng		100
T Vinyl chloride	1.498	62.0	479607	371.9021	ng		99
T Bromomethane	1.793	96.0	235754	380.3767	ng		96
T Chloroethane	1.894	64.0	233233	382.2662	ng		97
T Trichlorofluoromethane	2.145	101.0	569126	368.0290	ng		98
T 1,1-Dichloroethene	2.700	96.0	344045	382.3544	ng		98
T Methylene chloride	3.330	49.0	470733	359.8205	ng		99
T trans-1,2-Dichloroethene	3.715	96.0	355984	382.9648	ng		100
T Methyl tert-butyl ether (MTBE)	3.757	73.0	452747	389.6885	ng		100
T 1,1-Dichloroethane	4.381	63.0	658287	378.3961	ng		99
T 2,2-Dichloropropane	5.195	77.0	501019	382.1537	ng		96
T cis-1,2-Dichloroethene	5.215	96.0	369412	392.4995	ng		97
T Methyl ethyl ketone	5.279	43.0	538796	3961.2871	ng		98
T Bromochloromethane	5.519	128.0	147182	379.2795	ng		98
T Chloroform	5.653	83.0	641596	369.3654	ng		98

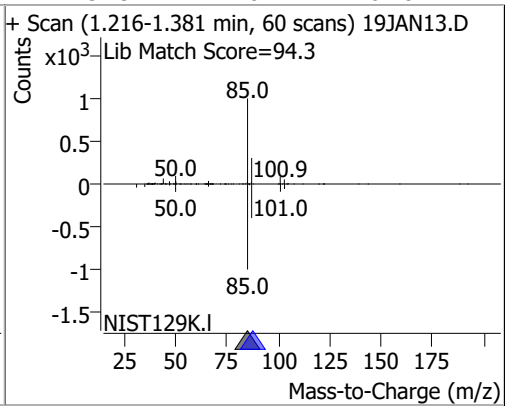
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	5.834	97.0	616756	384.8283	ng	99
T Carbon tetrachloride	6.026	117.0	604305	388.7744	ng	99
T 1,1-Dichloropropene	6.043	75.0	531739	409.1480	ng	99
T Benzene	6.280	78.0	1403257	392.4951	ng	100
T 1,2-Dichloroethane	6.322	62.0	368750	373.4220	ng	96
T Trichloroethene	7.028	95.0	399934	400.2849	ng	99
T 1,2-Dichloropropane	7.270	63.0	352771	401.5854	ng	98
T Dibromomethane	7.396	93.0	143756	388.2481	ng	99
T Bromodichloromethane	7.583	83.0	408420	392.2653	ng	98
T cis-1,3-Dichloropropene	8.057	75.0	471983	413.1062	ng	99
T Toluene	8.388	92.0	890126	410.1461	ng	99
T trans-1,3-Dichloropropene	8.637	75.0	345161	414.1677	ng	95
T 1,1,2-Trichloroethane	8.815	83.0	167409	395.0532	ng	98
T Tetrachloroethene	8.935	163.8	346235	393.4248	ng	98
T 1,3-Dichloropropane	8.980	76.0	339654	396.0772	ng	99
T Chlorodibromomethane	9.203	129.0	269032	394.1991	ng	99
T 1,2-Dibromoethane	9.306	107.0	184921	395.1062	ng	98
T Chlorobenzene	9.799	112.0	945250	397.3088	ng	100
T 1,1,1,2-Tetrachloroethane	9.889	131.0	329822	395.1127	ng	99
T Ethylbenzene	9.919	91.0	1697682	381.4483	ng	99
T m+p-Xylenes	10.037	106.0	1334216	762.4509	ng	99
T o-Xylene	10.433	106.0	598606	384.0157	ng	99
T Styrene	10.449	104.0	973131	382.7382	ng	100
T Bromoform	10.625	172.5	143943	374.3438	ng	98
T Bromobenzene	11.093	156.0	361843	387.2660	ng	99
T 1,1,2,2-Tetrachloroethane	11.113	83.0	199230	373.8283	ng	99
T 1,2,3-Trichloropropane	11.149	110.0	52732	376.5948	ng	95
T 2-Chlorotoluene	11.291	126.0	365790	395.5589	ng	95
T 4-Chlorotoluene	11.400	91.0	1209058	403.6708	ng	99
T 1,3-Dichlorobenzene	12.033	146.0	652775	385.6033	ng	99
T 1,4-Dichlorobenzene	12.122	146.0	656962	380.6606	ng	99
T 1,2-Dichlorobenzene	12.493	146.0	546389	386.5930	ng	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

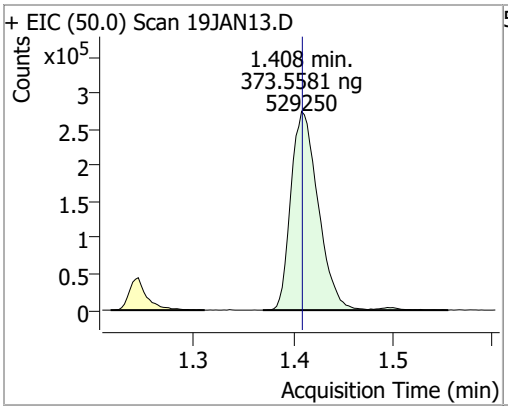
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	376.2647	1.24	0.00	452793	87.0	31.9	1.8	61.8

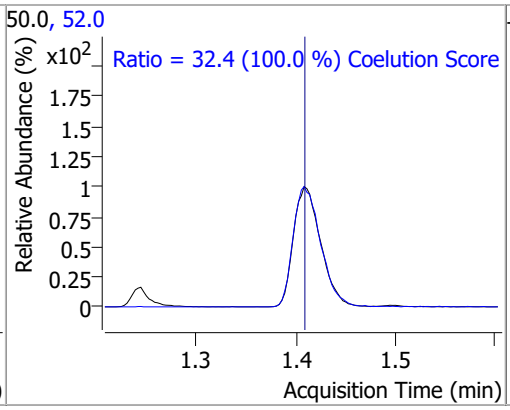


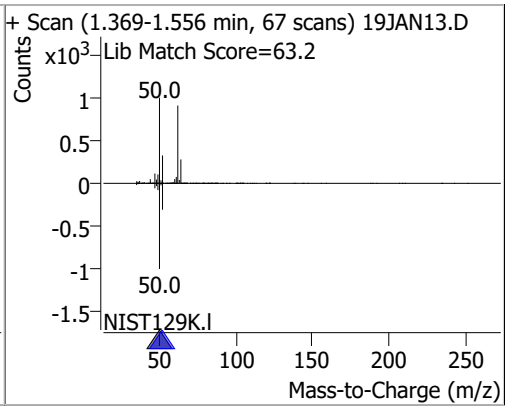




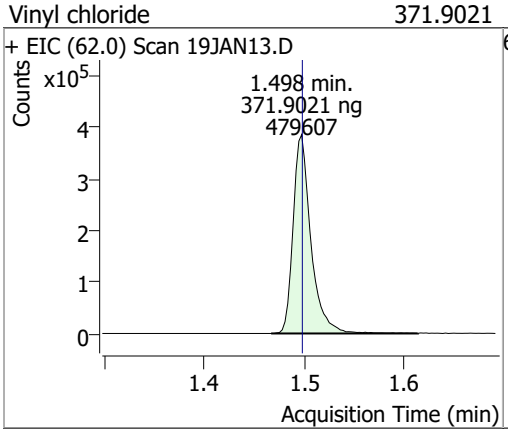
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	373.5581	1.41	0.00	529250	52.0	32.4	2.4	62.4

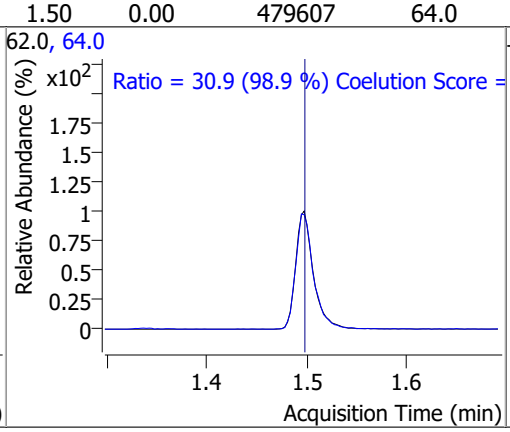


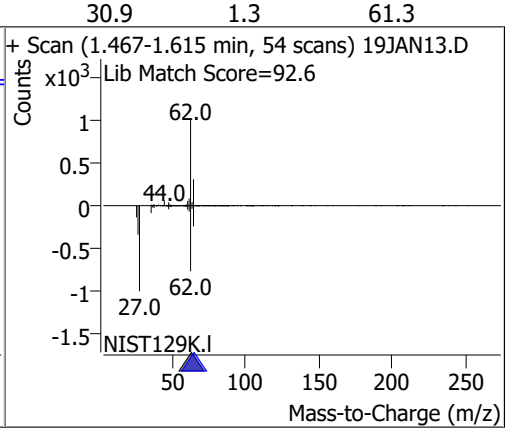




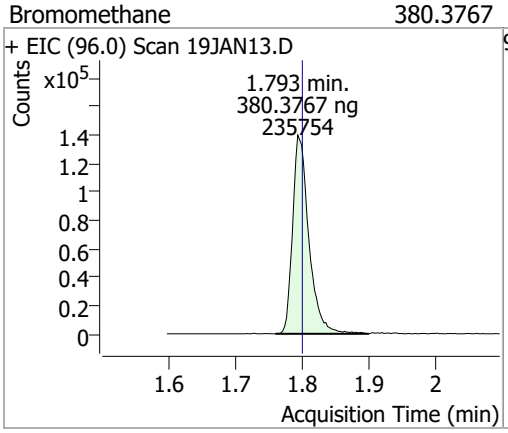
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	371.9021	1.50	0.00	479607	64.0	30.9	1.3	61.3

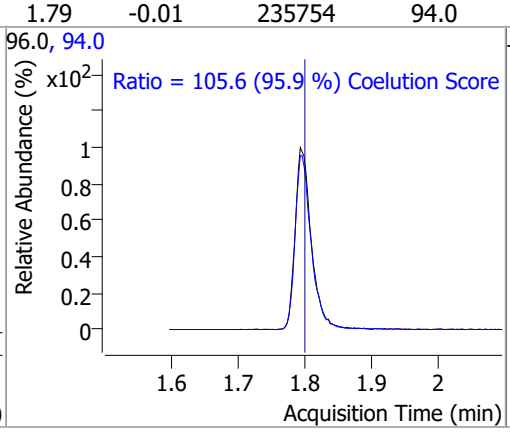


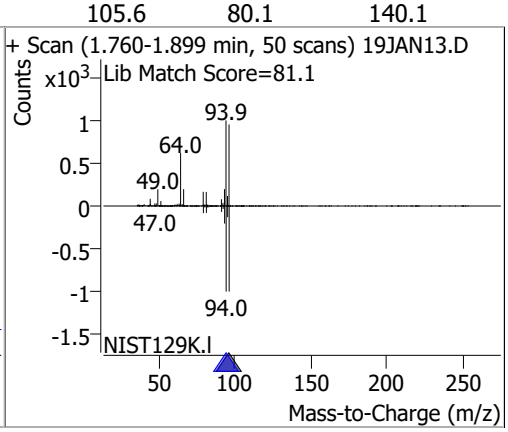




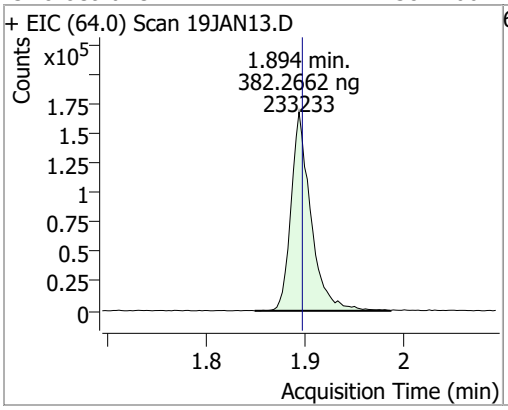
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	380.3767	1.79	-0.01	235754	94.0	105.6	80.1	140.1

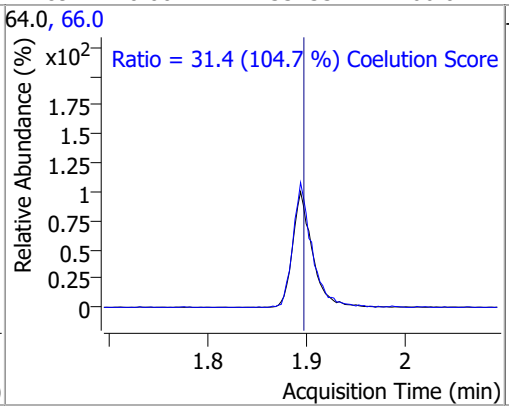


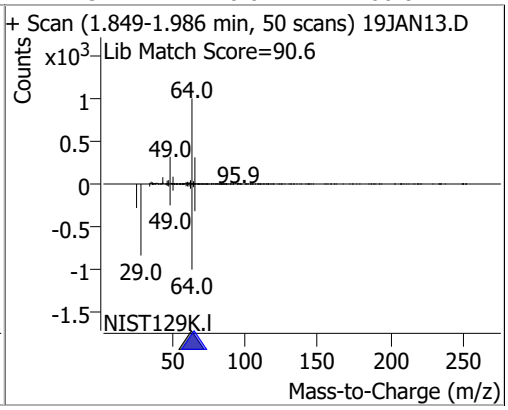




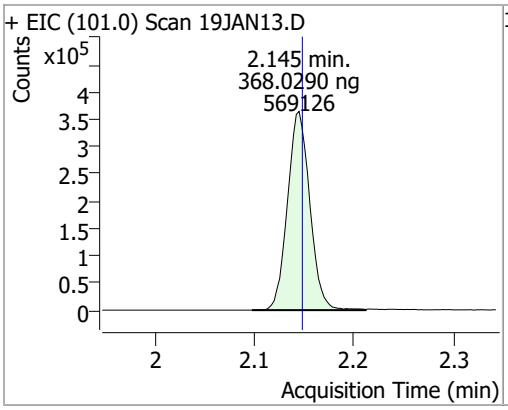
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	382.2662	1.89	0.00	233233	66.0	31.4	0.0	60.0

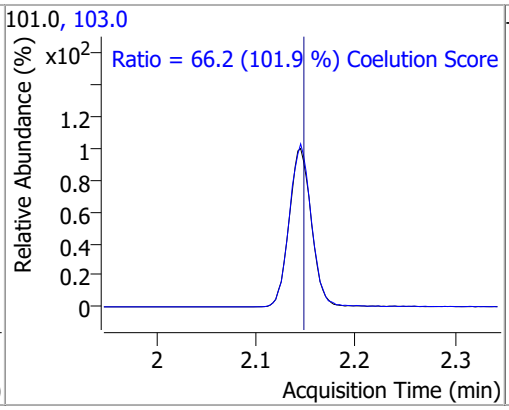


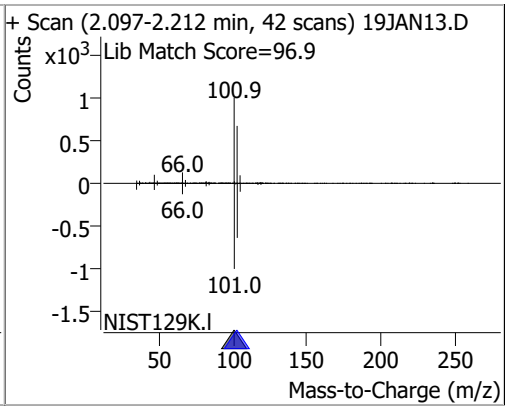




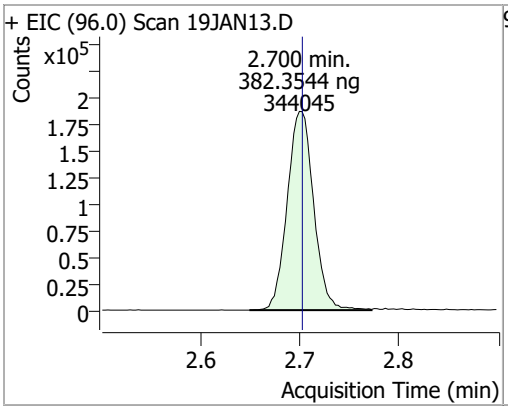
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	368.0290	2.14	0.00	569126	103.0	66.2	35.0	95.0

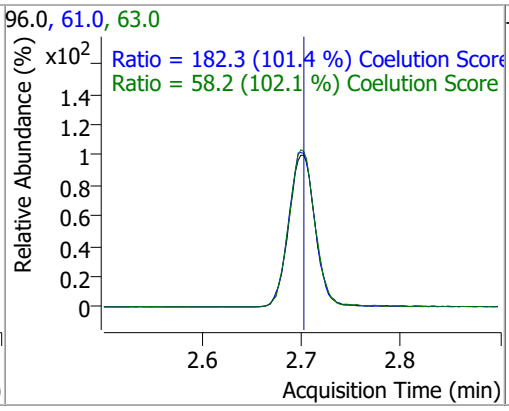


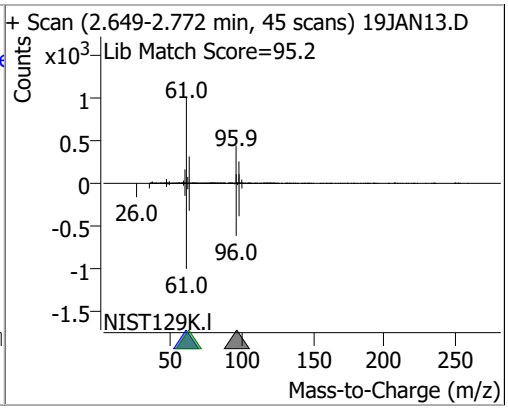




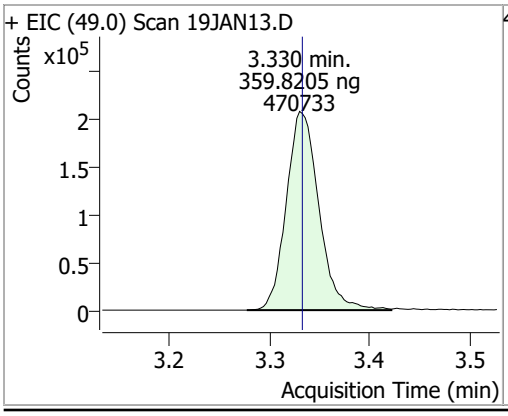
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	382.3544	2.70	0.00	344045	61.0	182.3	149.9	209.9
					63.0	58.2	27.0	87.0

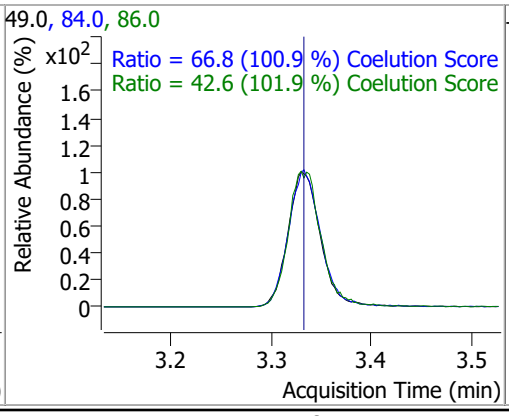


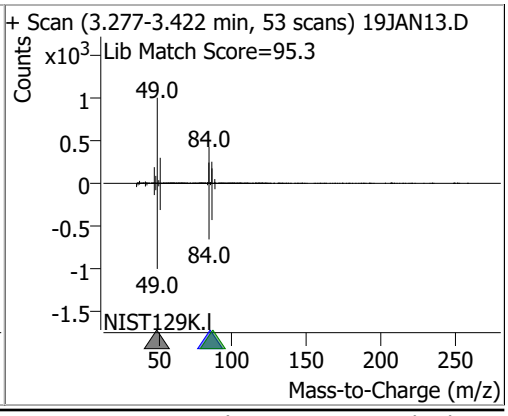




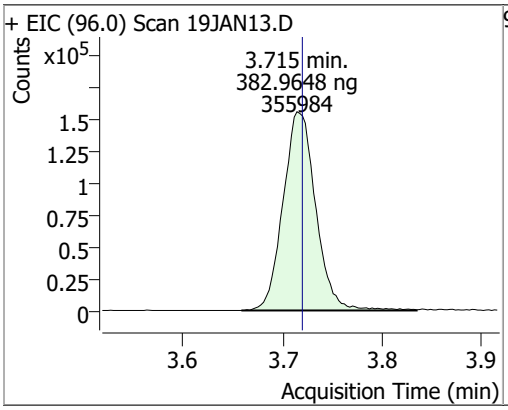
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	359.8205	3.33	0.00	470733	84.0	66.8	36.1	96.1
					86.0	42.6	11.8	71.8

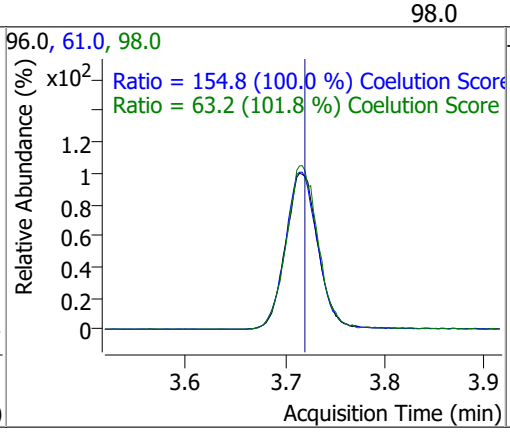


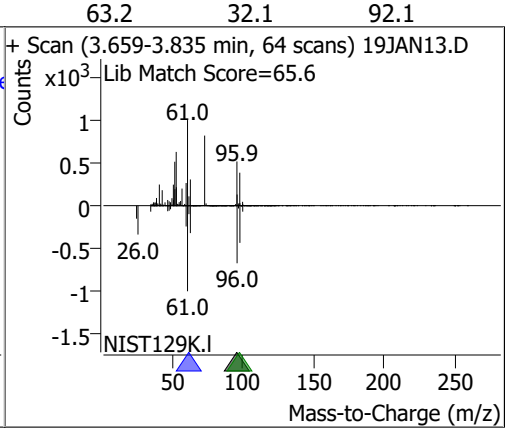




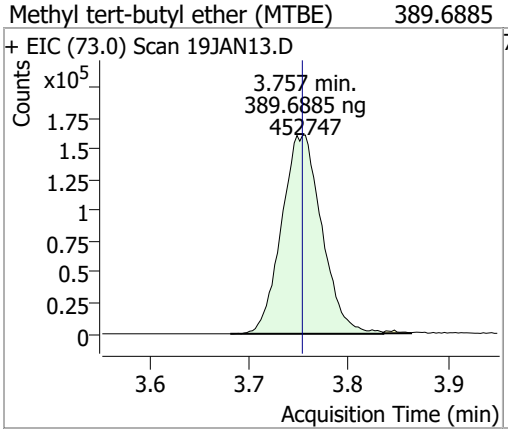
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	382.9648	3.71	-0.01	355984	61.0	154.8	124.8	184.8
					98.0	63.2	32.1	92.1

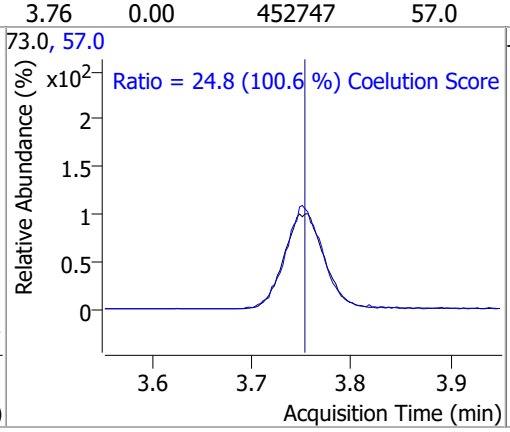


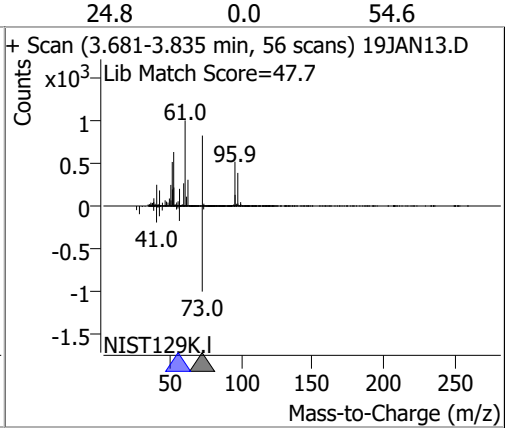




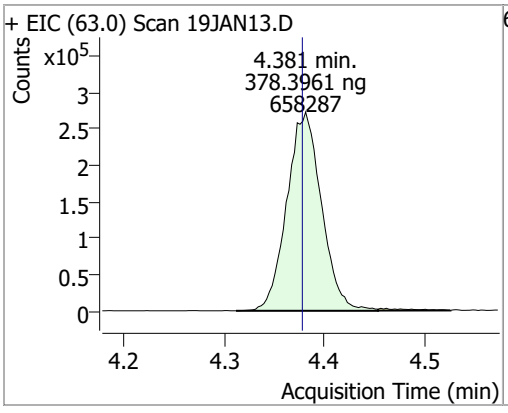
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	389.6885	3.76	0.00	452747	57.0	24.8	0.0	54.6

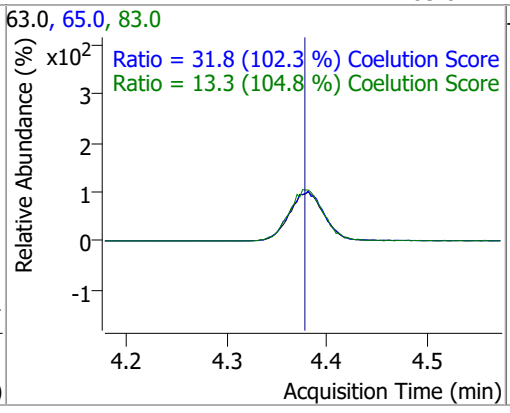


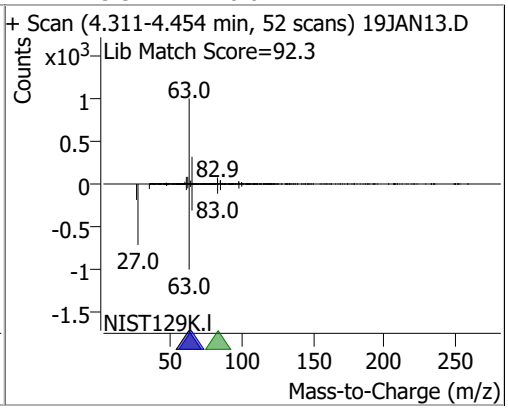




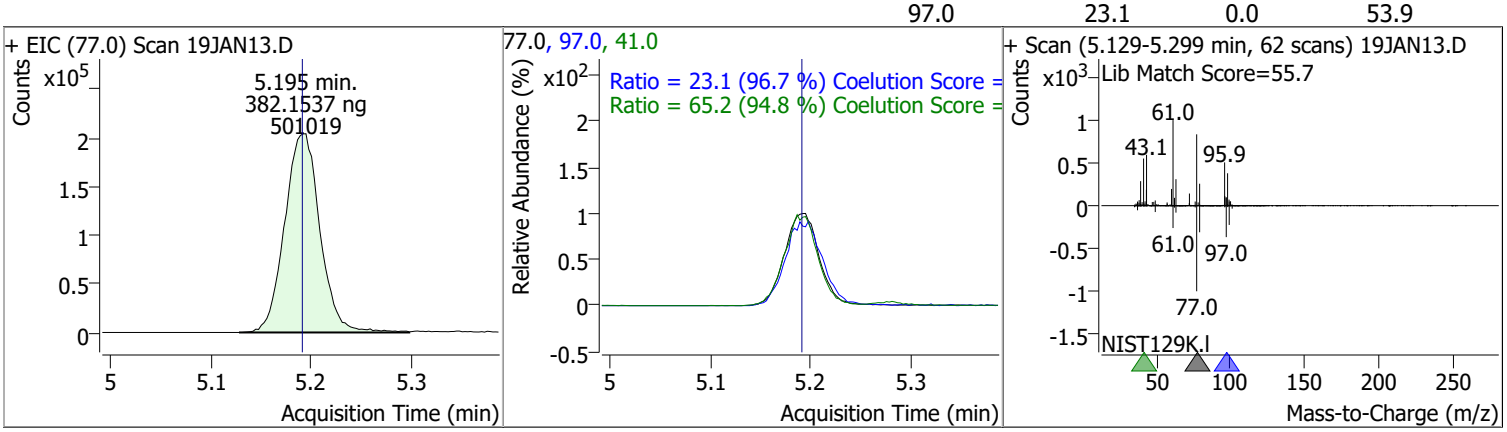
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	378.3961	4.38	0.00	658287	65.0	31.8	1.0	61.0
					83.0	13.3	0.0	42.7



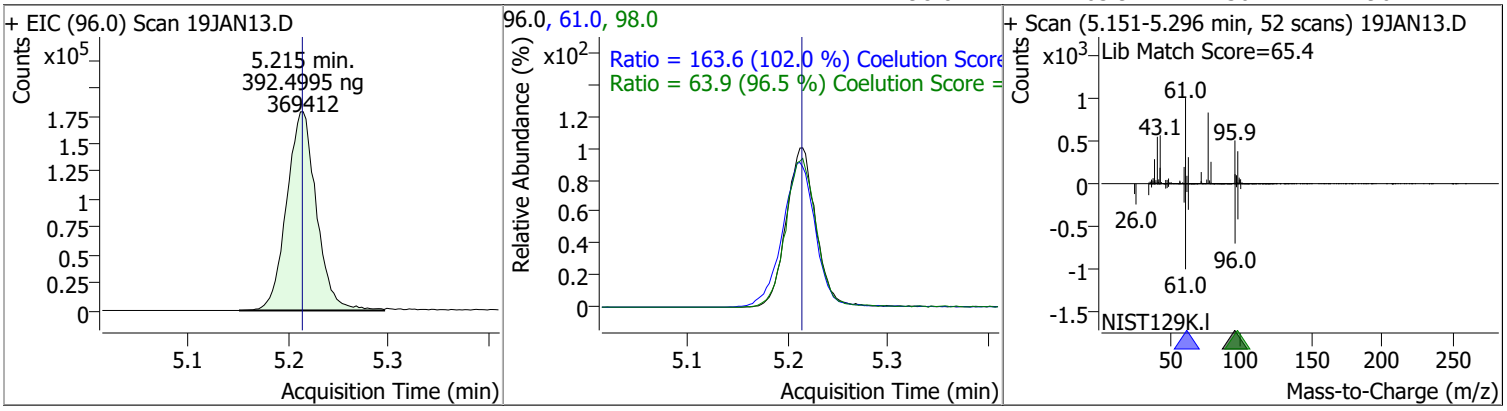




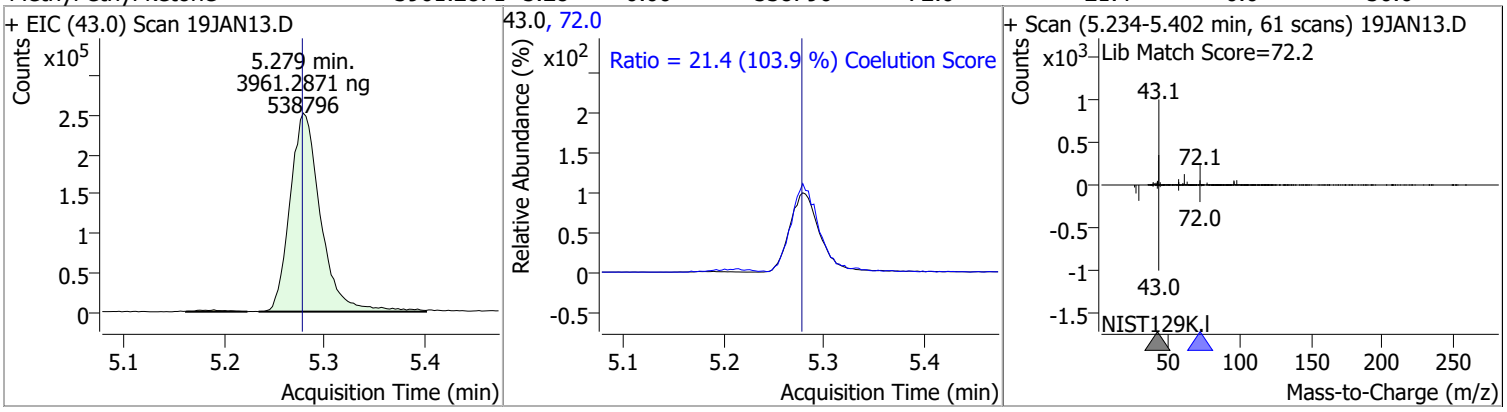
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	382.1537	5.20	0.00	501019	41.0	65.2	38.8	98.8
					97.0	23.1	0.0	53.9



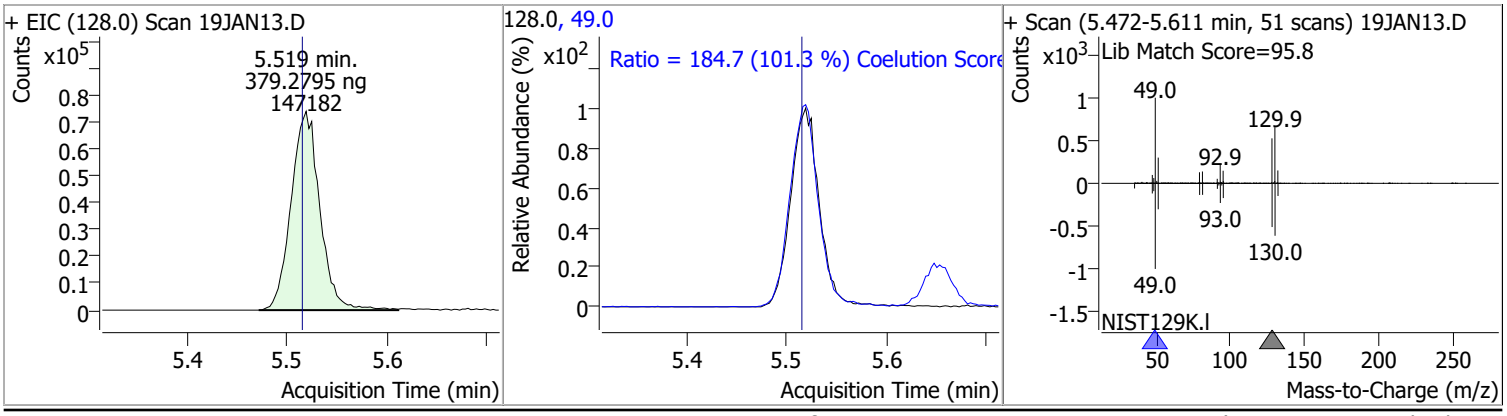
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	392.4995	5.21	0.00	369412	61.0	163.6	130.4	190.4
					98.0	63.9	36.2	96.2



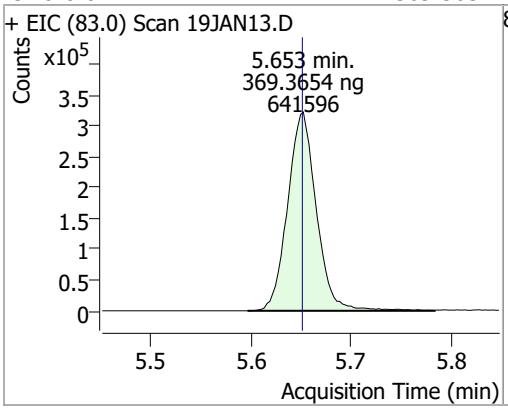
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	3961.2871	5.28	0.00	538796	72.0	21.4	0.0	50.6

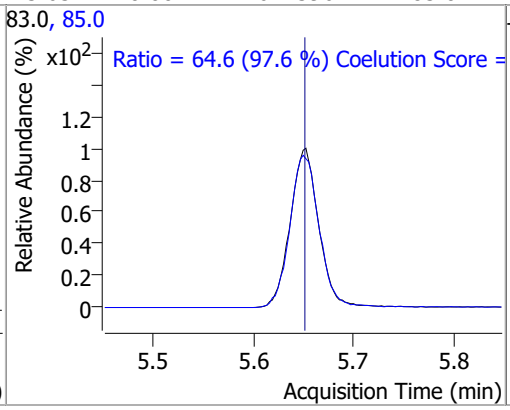


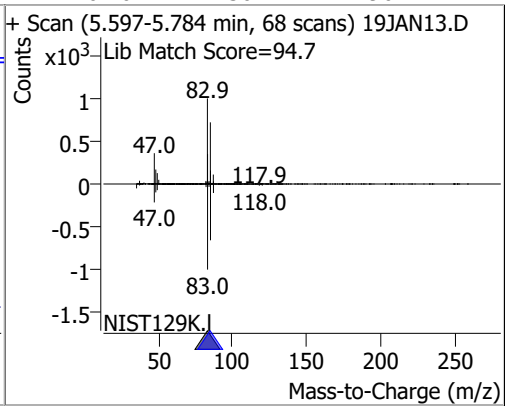
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	379.2795	5.52	0.00	147182	49.0	184.7	152.2	212.2



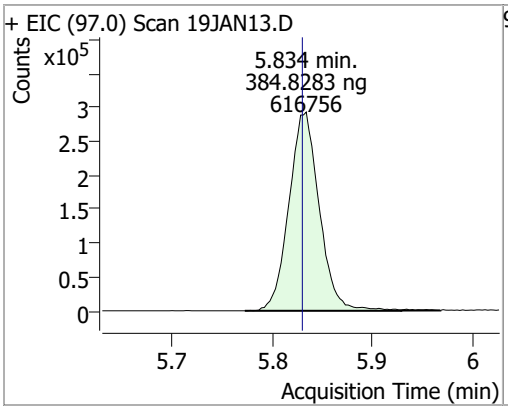
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	369.3654	5.65	0.00	641596	85.0	64.6	36.2	96.2

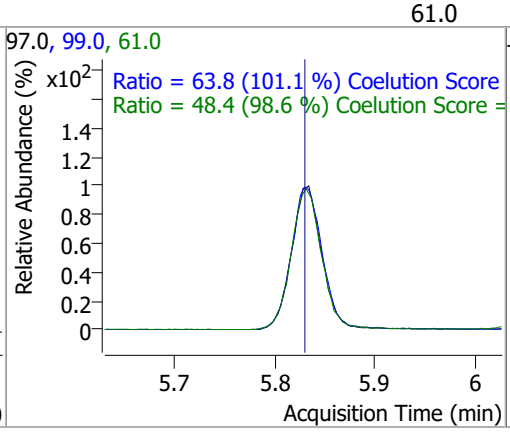


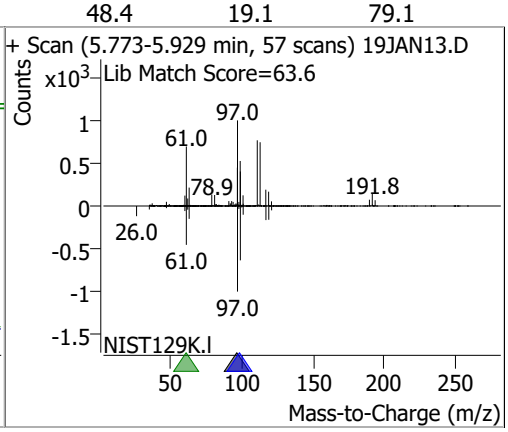




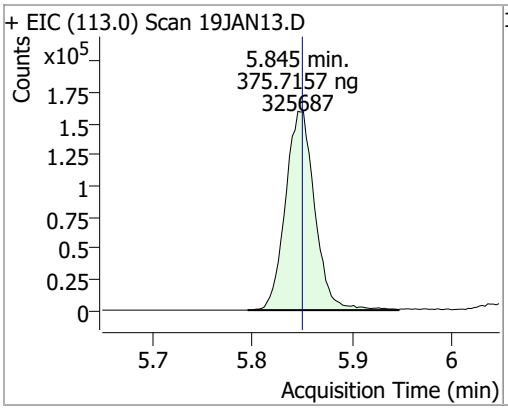
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	384.8283	5.83	0.00	616756	99.0	63.8	33.1	93.1
					61.0	48.4	19.1	79.1

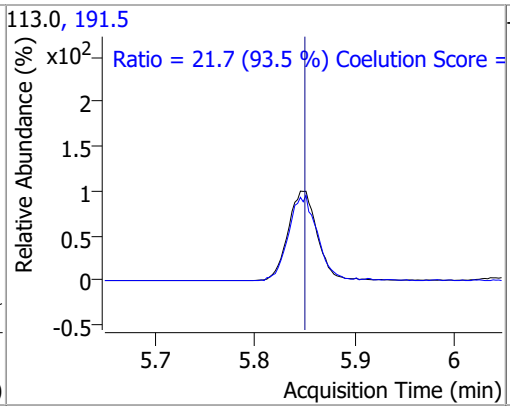


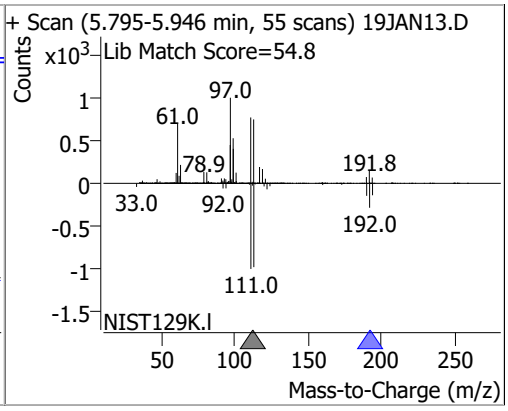




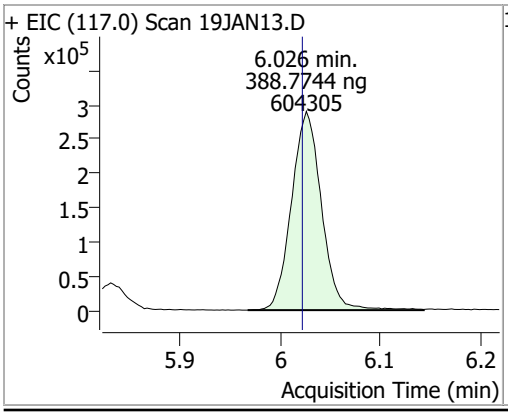
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	375.7157	5.85	-0.01	325687	191.5	21.7	0.0	53.2

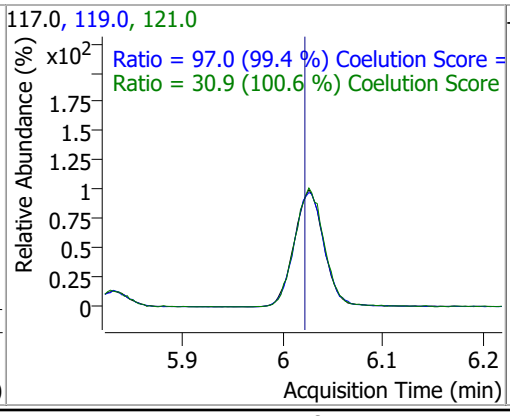


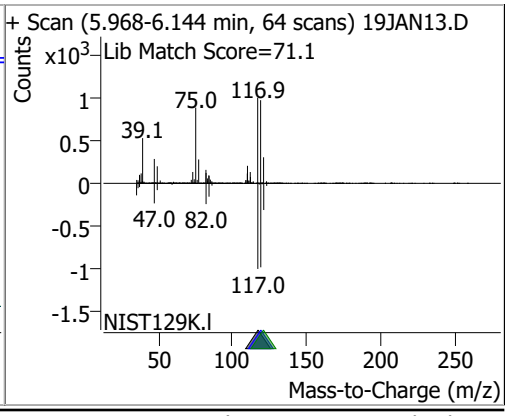




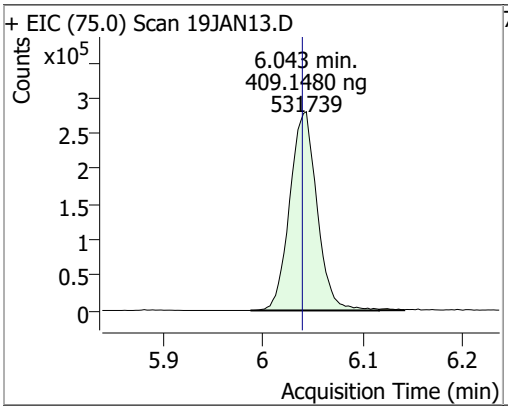
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	388.7744	6.03	0.00	604305	119.0	97.0	67.6	127.6
					121.0	30.9	0.7	60.7

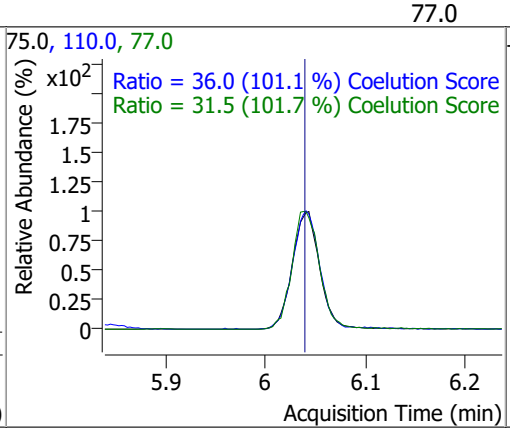


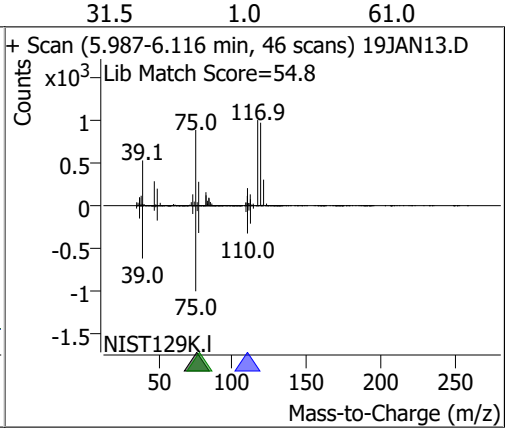




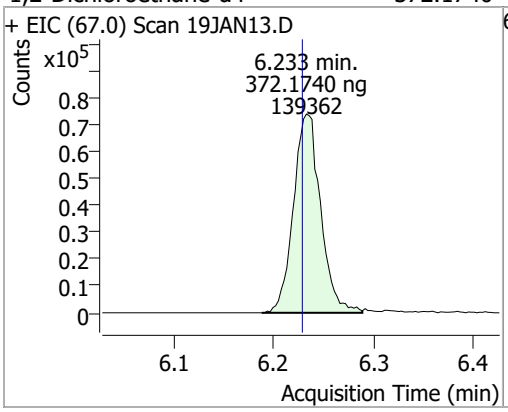
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	409.1480	6.04	0.00	531739	110.0	36.0	5.6	65.6
					77.0	31.5	1.0	61.0

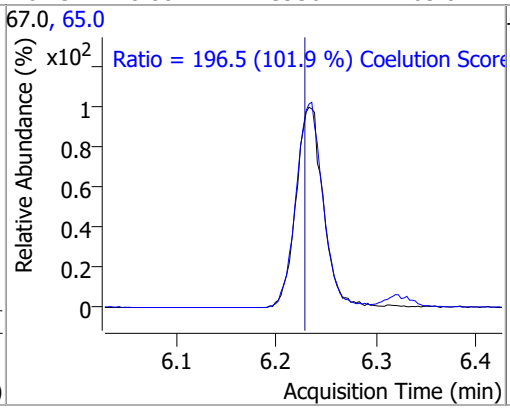


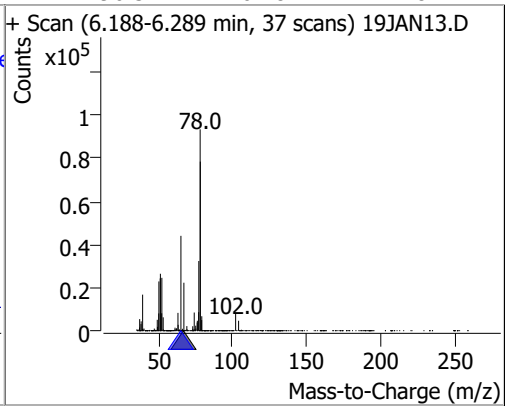




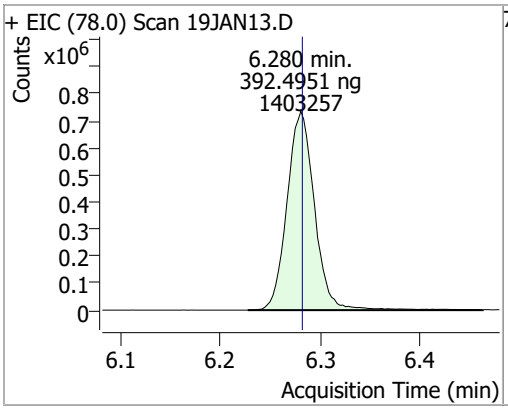
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	372.1740	6.23	0.00	139362	65.0	196.5	162.8	222.8

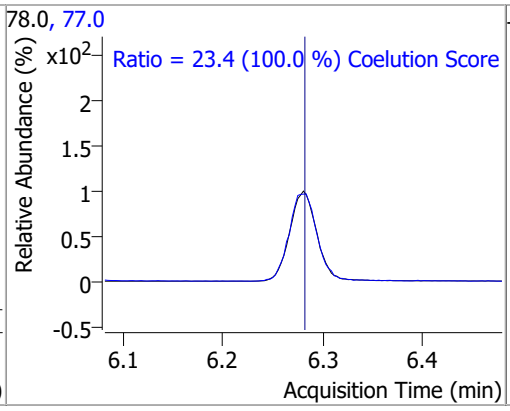


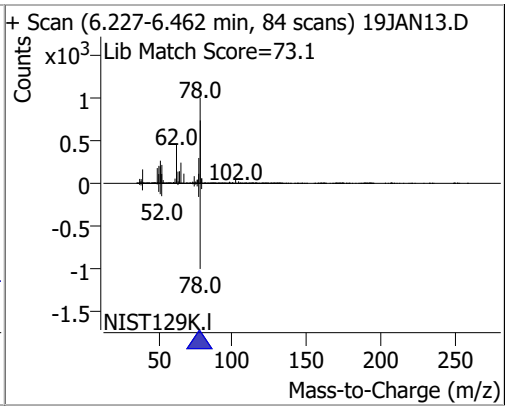




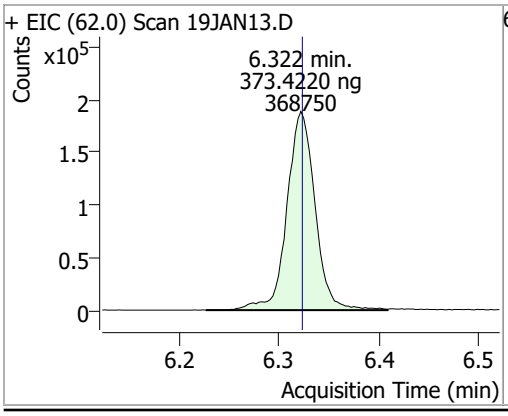
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	392.4951	6.28	0.00	1403257	77.0	23.4	0.0	53.3

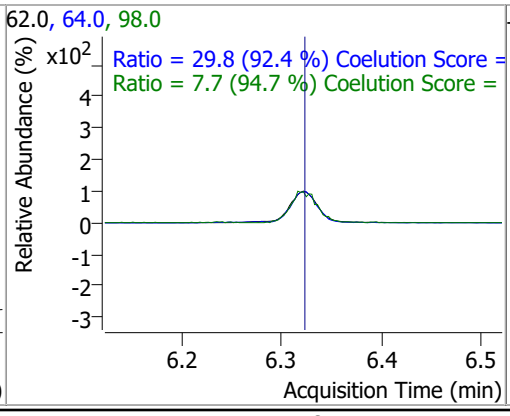


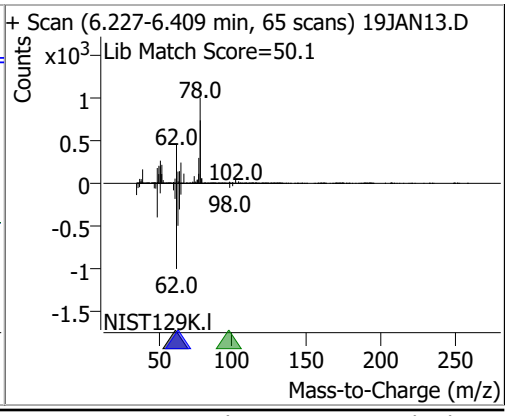




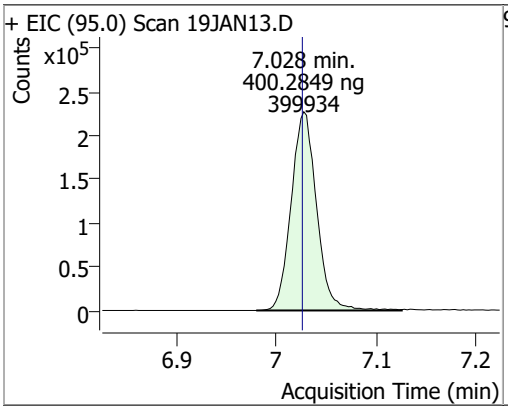
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	373.4220	6.32	0.00	368750	64.0	29.8	2.2	62.2
					98.0	7.7	0.0	38.2

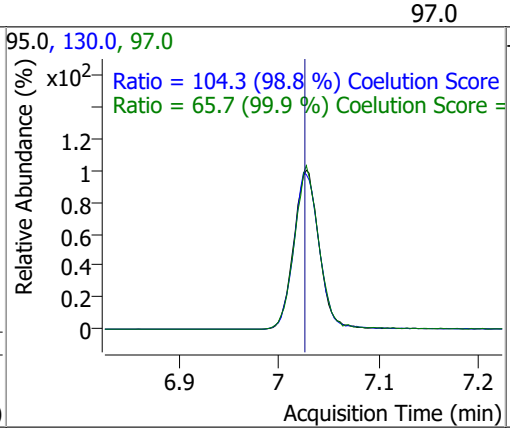


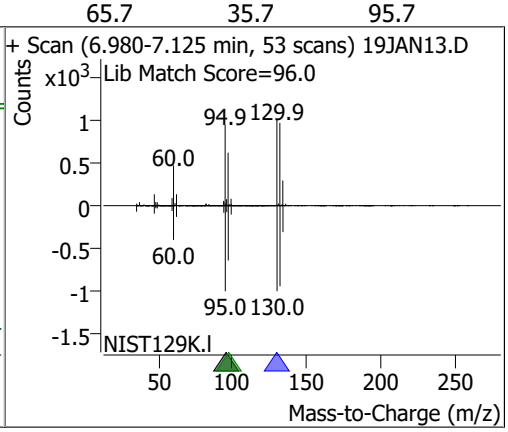




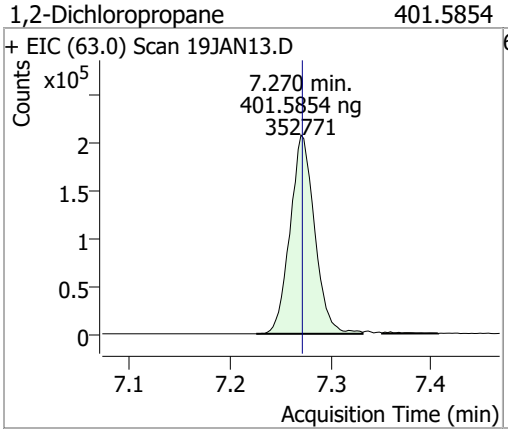
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	400.2849	7.03	0.00	399934	130.0	104.3	75.6	135.6
					97.0	65.7	35.7	95.7

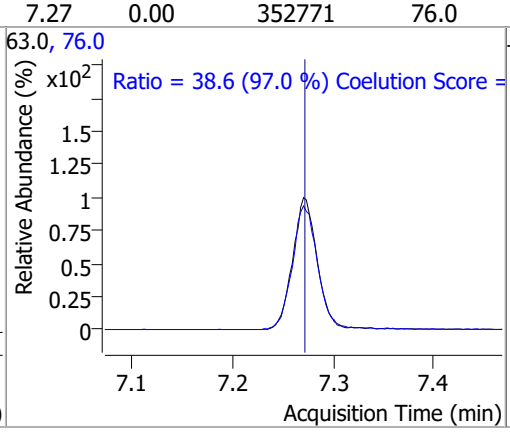


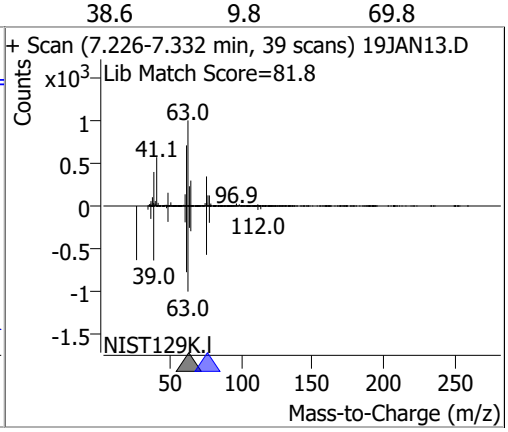




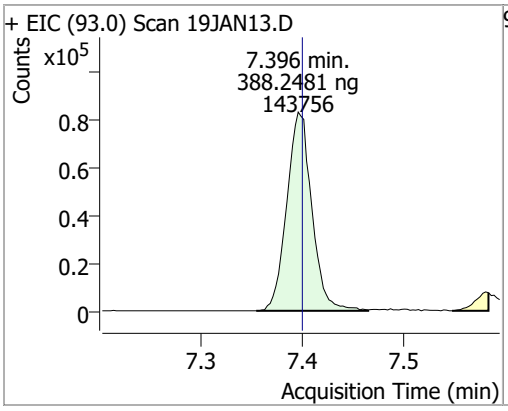
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	401.5854	7.27	0.00	352771	76.0	38.6	9.8	69.8

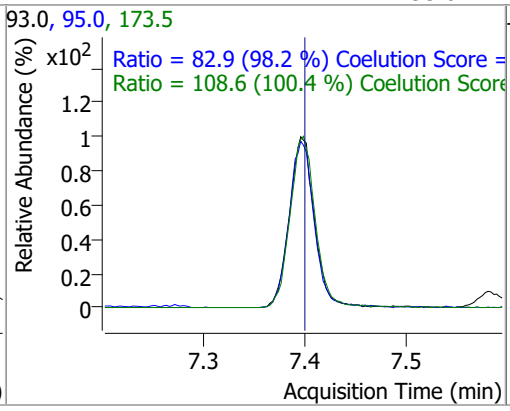


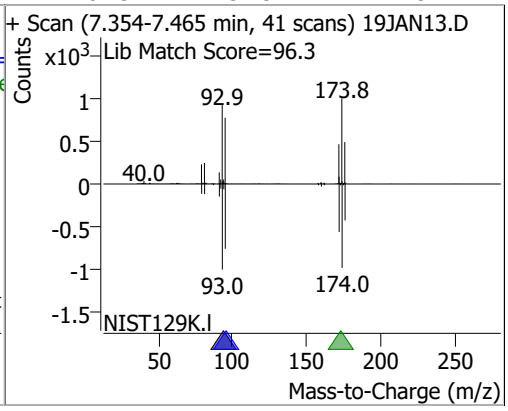




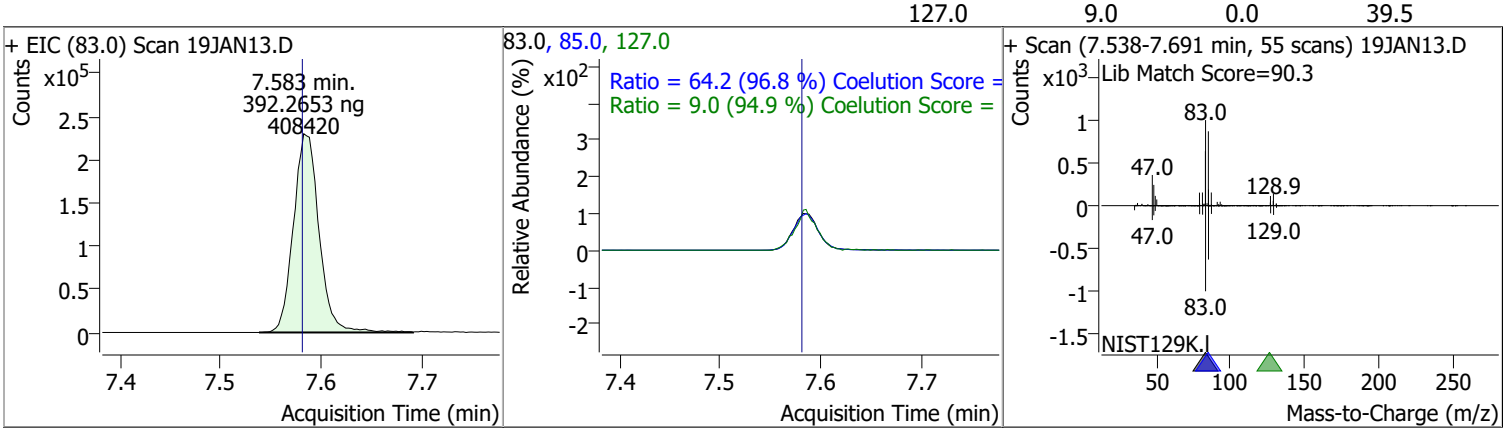
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	388.2481	7.40	0.00	143756	173.5	108.6	78.2	138.2
					95.0	82.9	54.5	114.5



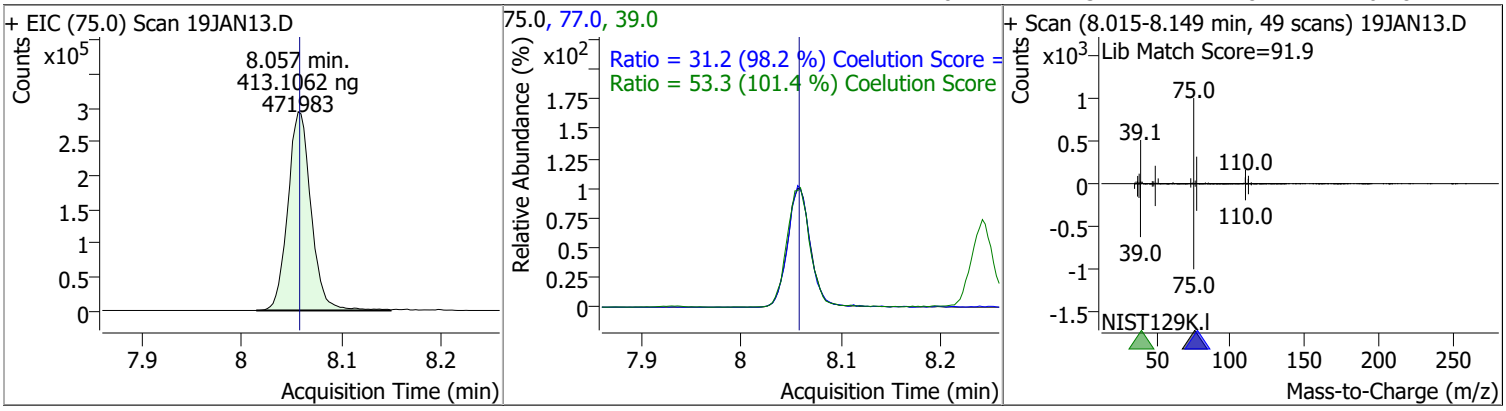




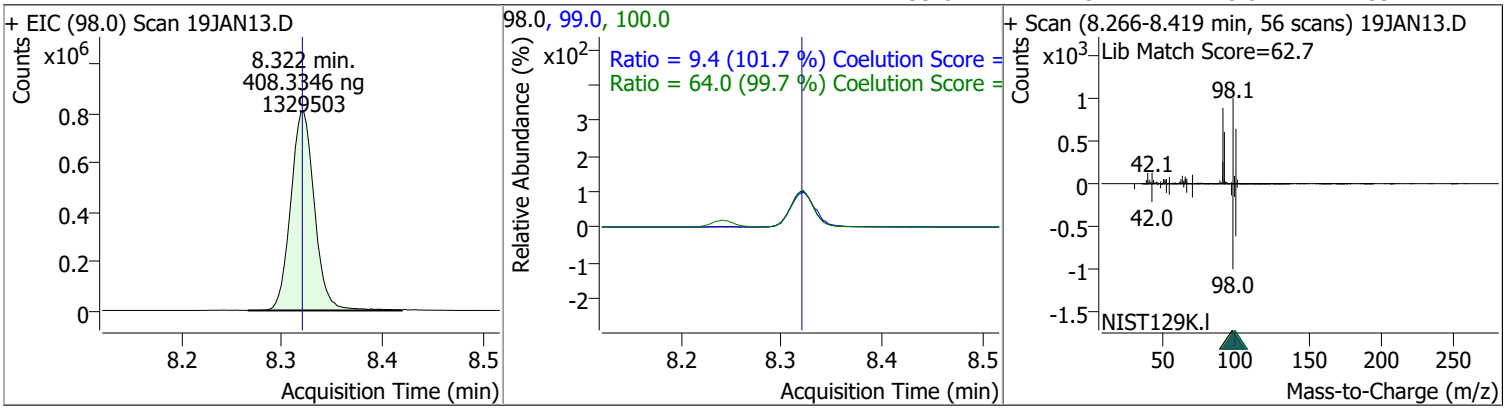
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	392.2653	7.58	0.00	408420	85.0	64.2	36.3	96.3
					127.0	9.0	0.0	39.5



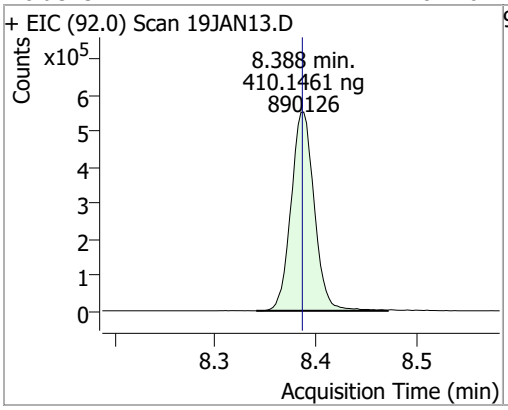
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	413.1062	8.06	0.00	471983	39.0	53.3	22.5	82.5
					77.0	31.2	1.8	61.8

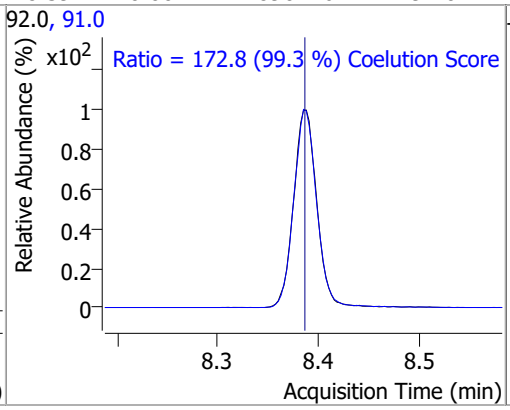


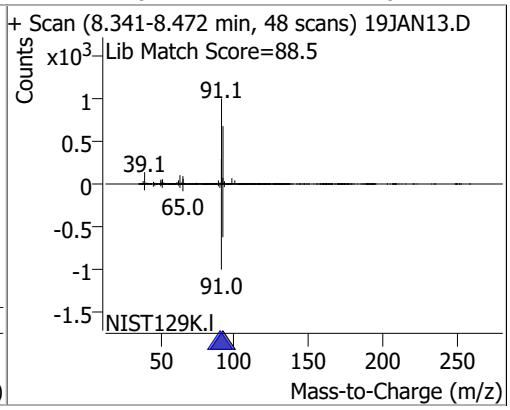
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	408.3346	8.32	0.00	1329503	100.0	64.0	34.3	94.3
					99.0	9.4	0.0	39.2



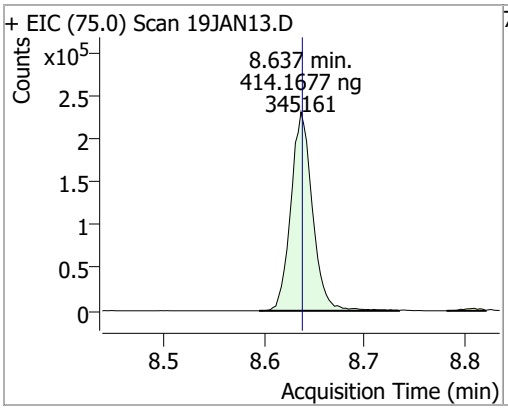
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	410.1461	8.39	0.00	890126	91.0	172.8	144.1	204.1

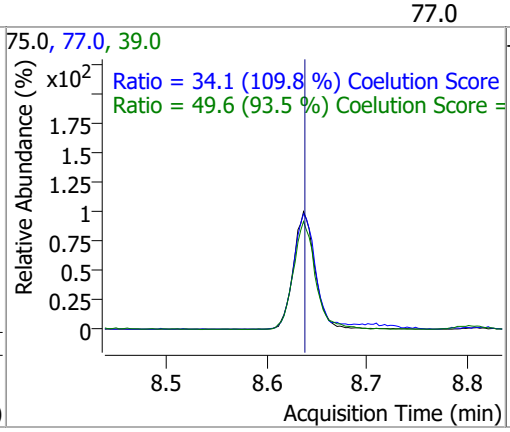


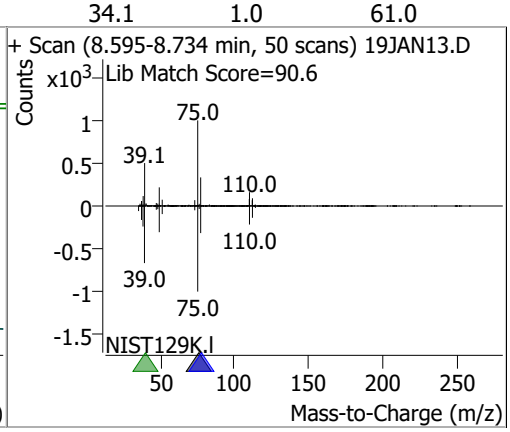




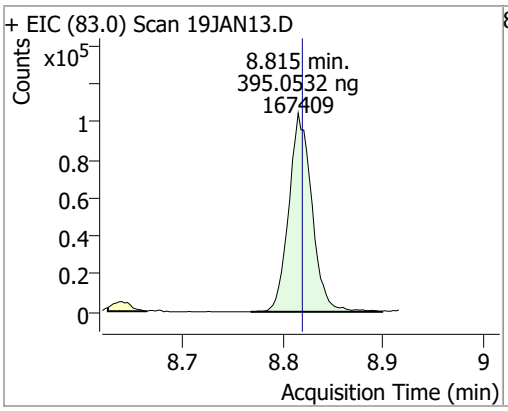
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	414.1677	8.64	0.00	345161	39.0	49.6	23.0	83.0
					77.0	34.1	1.0	61.0

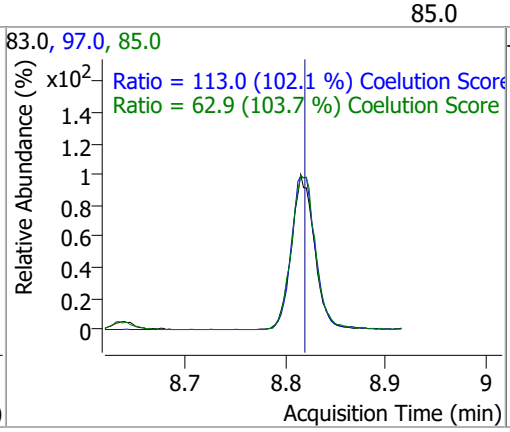


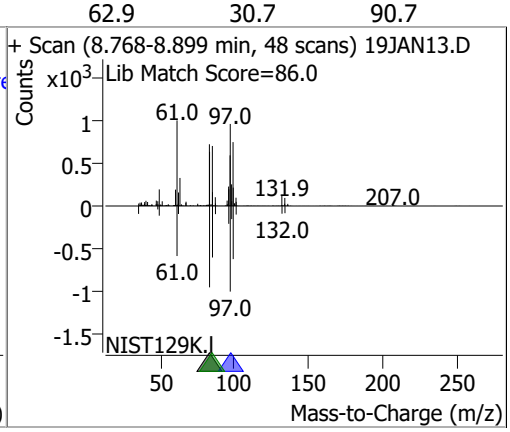




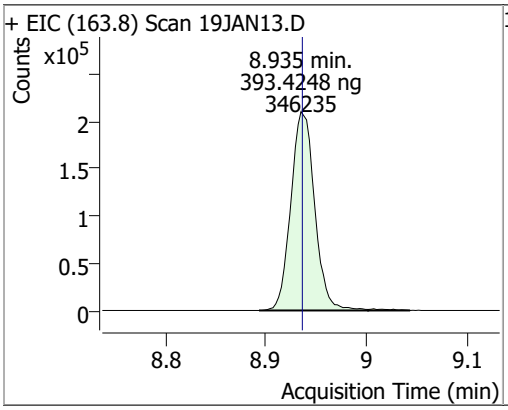
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	395.0532	8.82	0.00	167409	97.0	113.0	80.7	140.7
					85.0	62.9	30.7	90.7

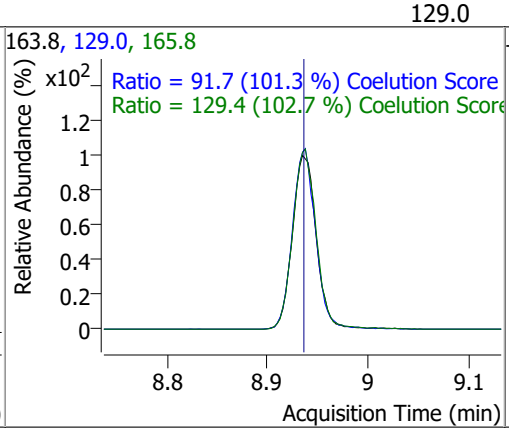


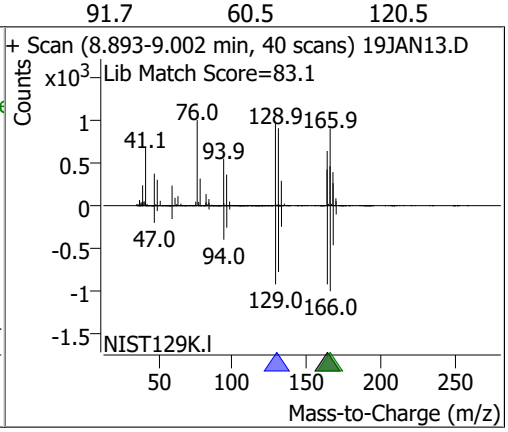




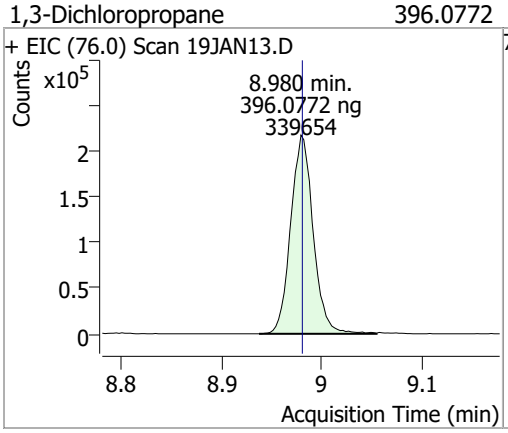
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	393.4248	8.94	0.00	346235	165.8	129.4	96.1	156.1
					129.0	91.7	60.5	120.5

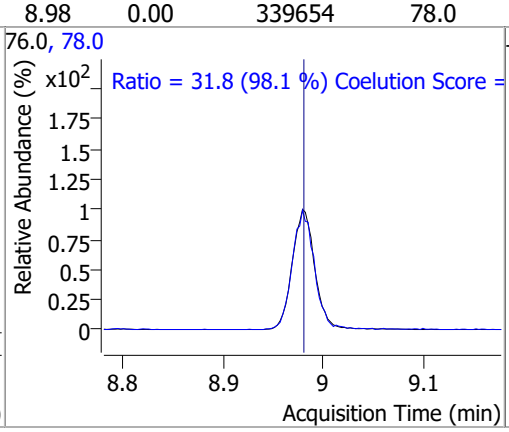


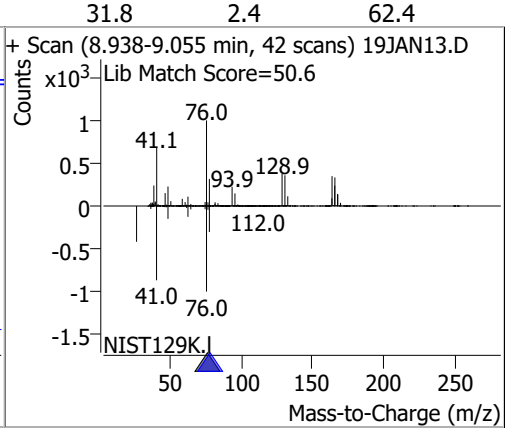




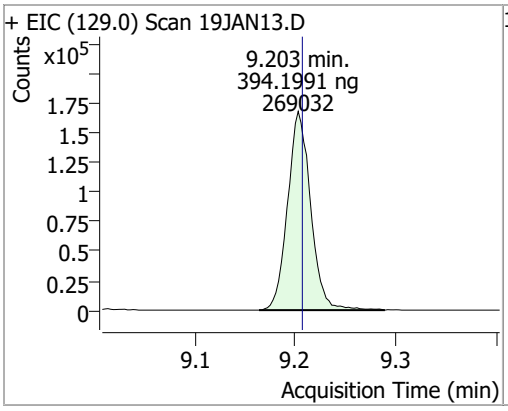
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	396.0772	8.98	0.00	339654	78.0	31.8	2.4	62.4

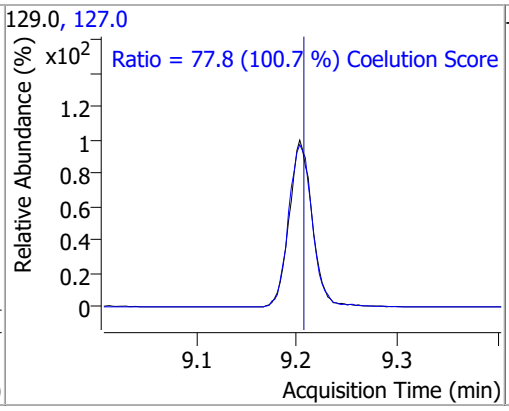


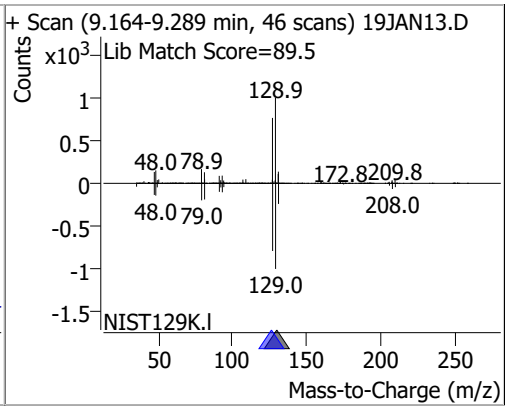




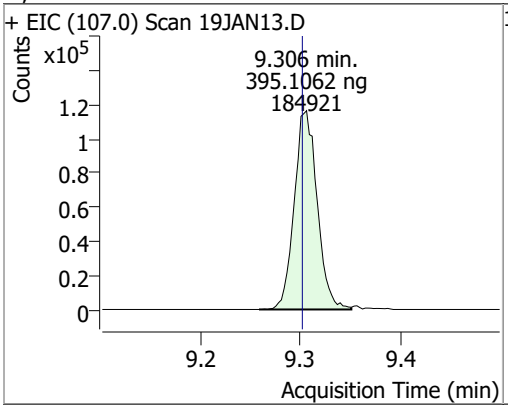
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	394.1991	9.20	0.00	269032	127.0	77.8	47.2	107.2

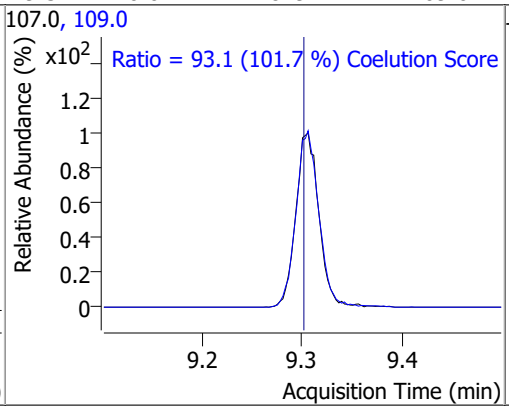


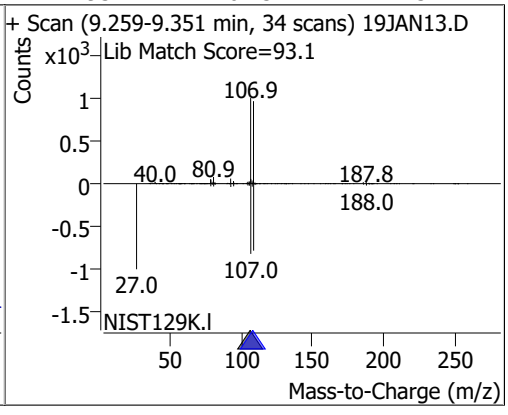




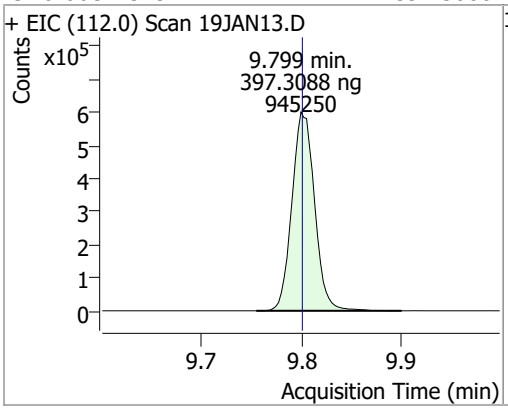
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	395.1062	9.31	0.01	184921	109.0	93.1	61.5	121.5

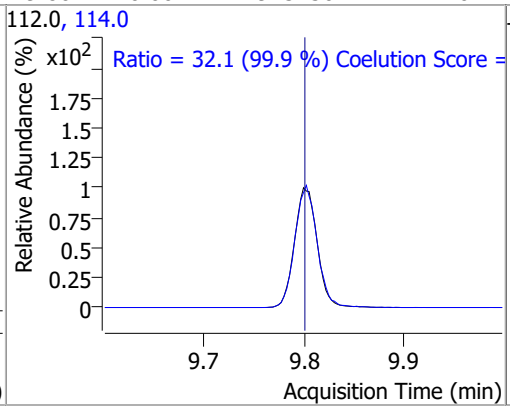


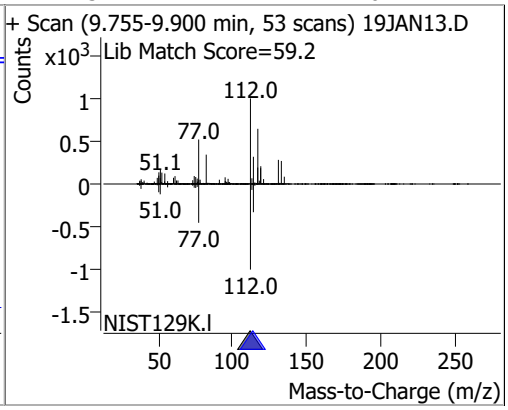




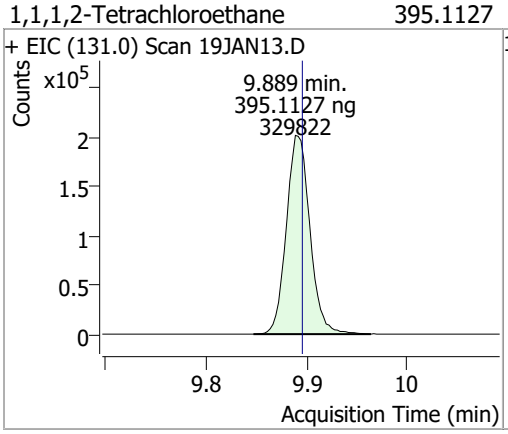
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	397.3088	9.80	0.00	945250	114.0	32.1	2.2	62.2

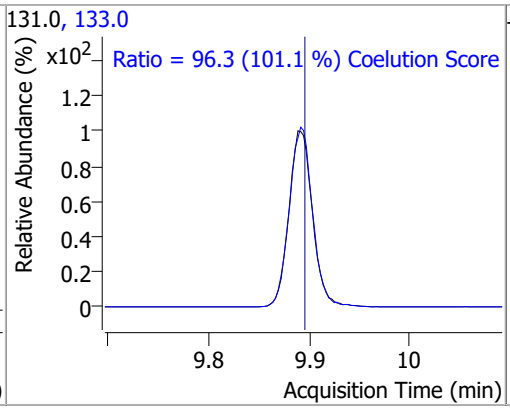


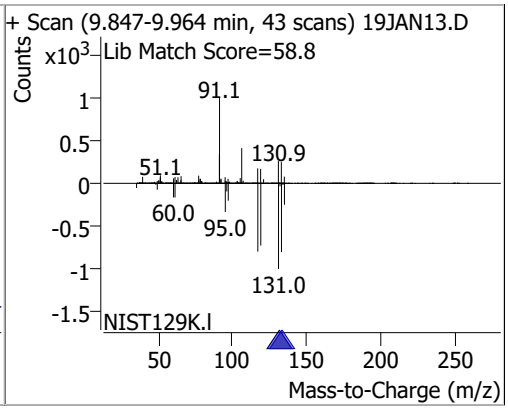




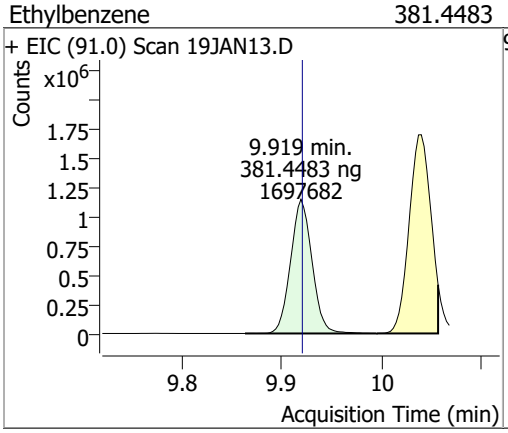
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	395.1127	9.89	-0.01	329822	133.0	96.3	65.3	125.3

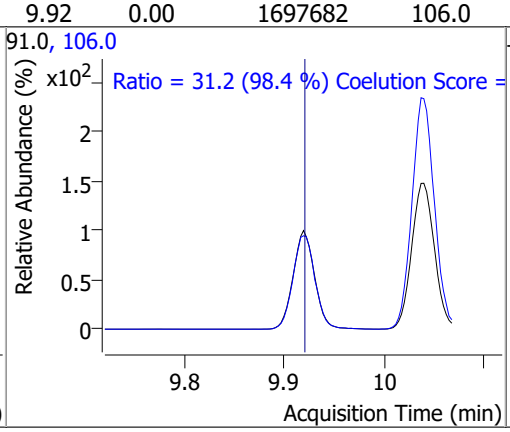


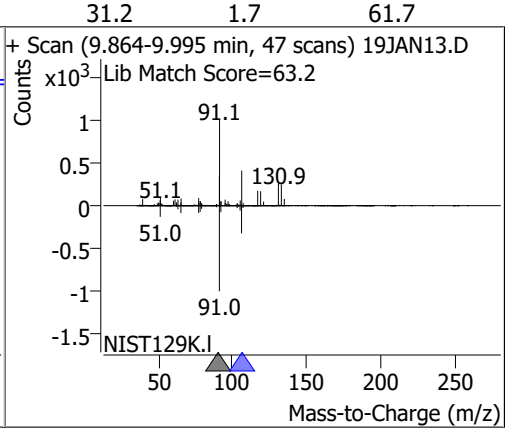




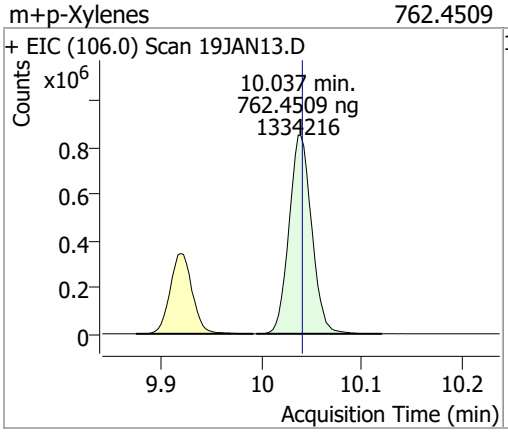
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	381.4483	9.92	0.00	1697682	106.0	31.2	1.7	61.7

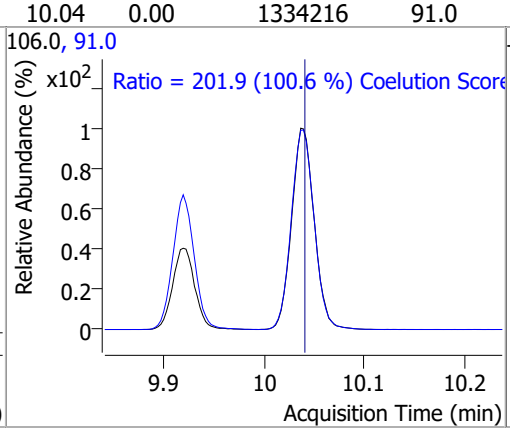


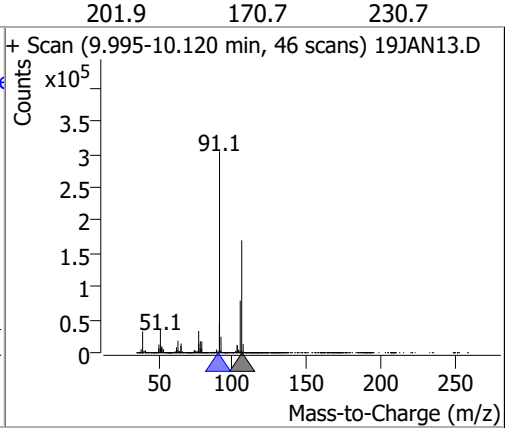




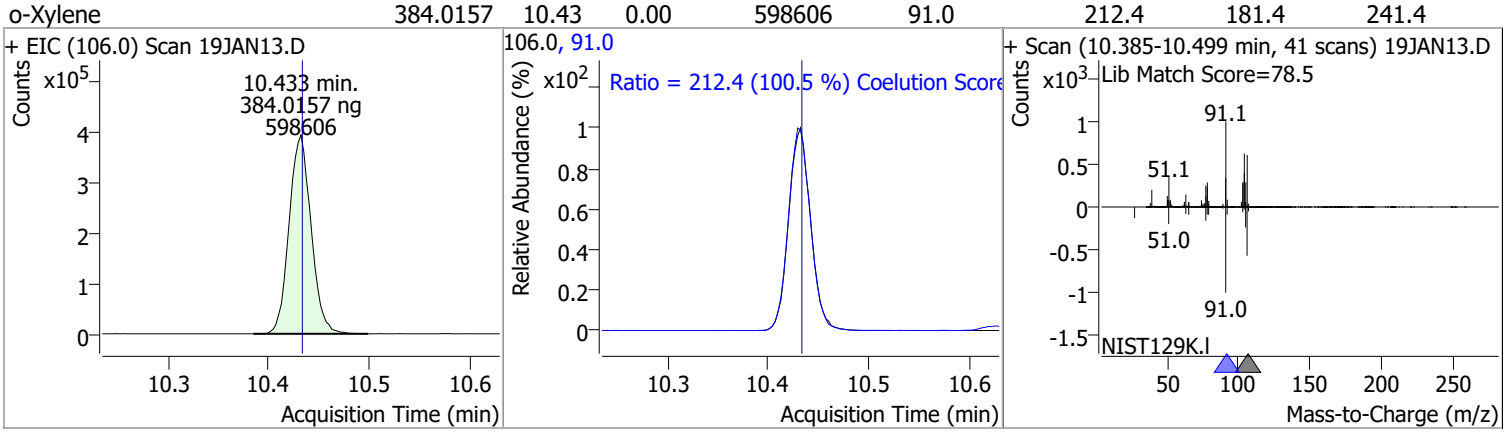
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	762.4509	10.04	0.00	1334216	91.0	201.9	170.7	230.7



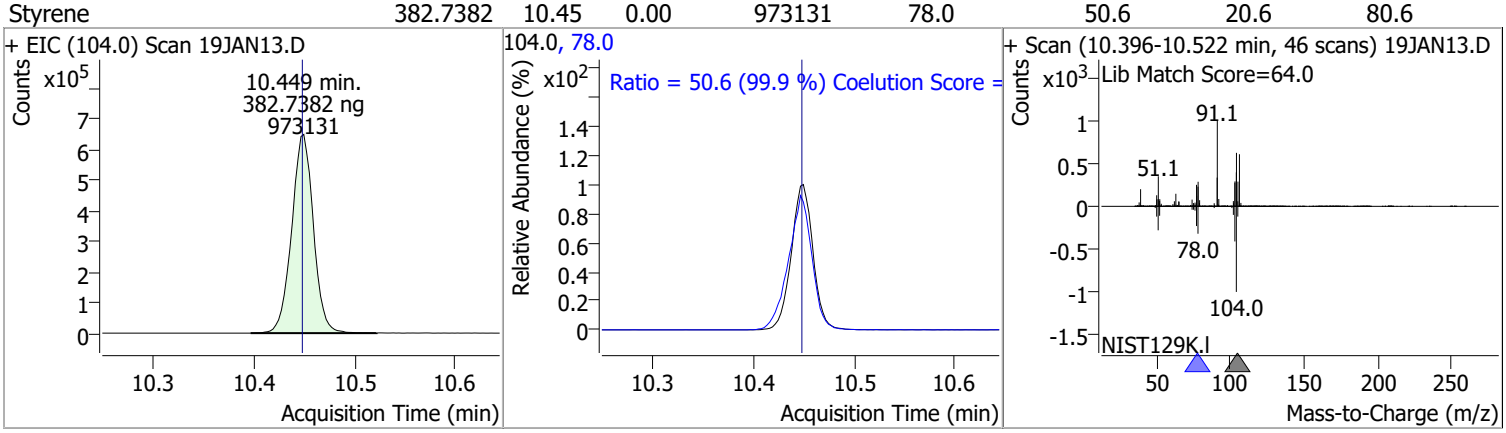




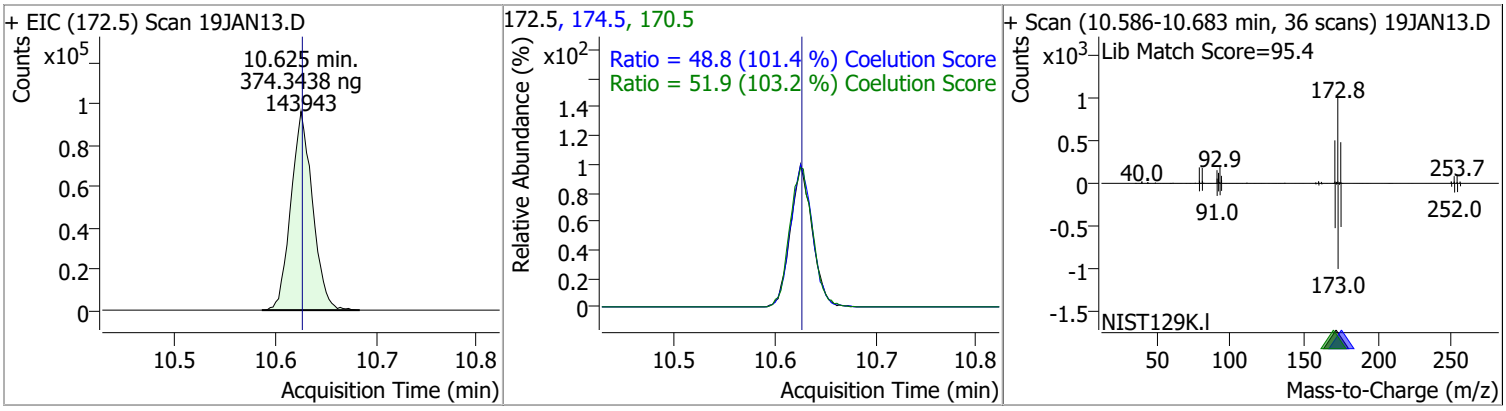
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	384.0157	10.43	0.00	598606	91.0	212.4	181.4	241.4



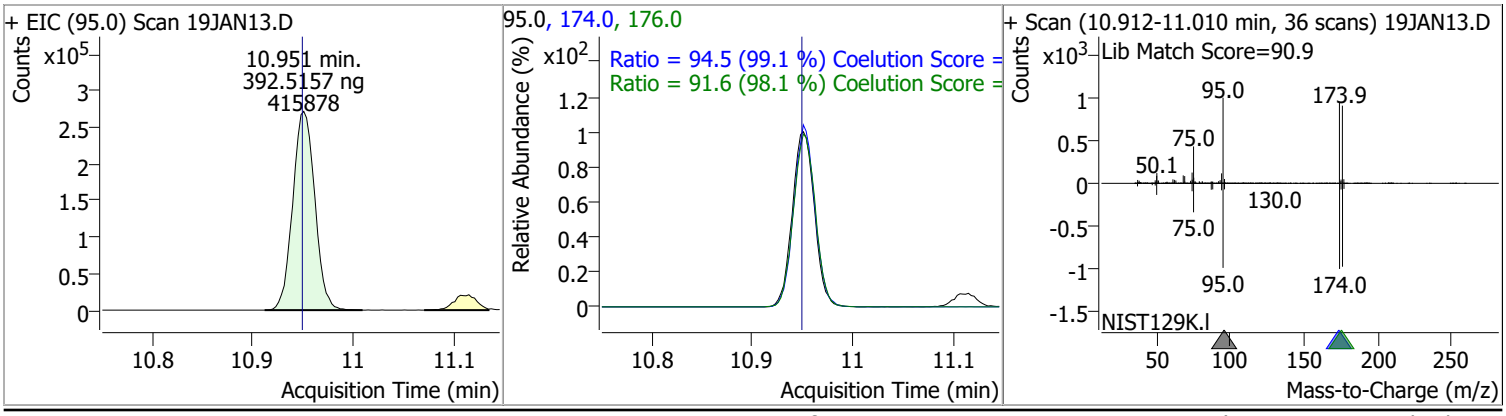
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	382.7382	10.45	0.00	973131	78.0	50.6	20.6	80.6



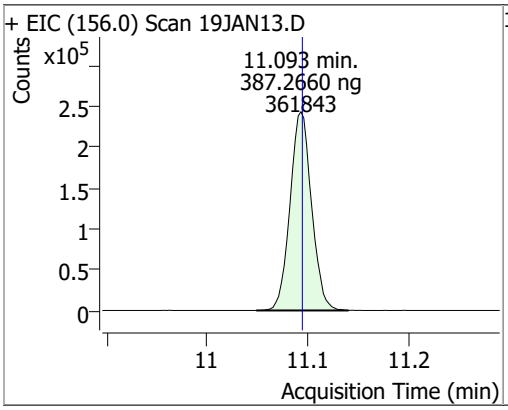
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	374.3438	10.62	0.00	143943	170.5	51.9	20.3	80.3
					174.5	48.8	18.1	78.1

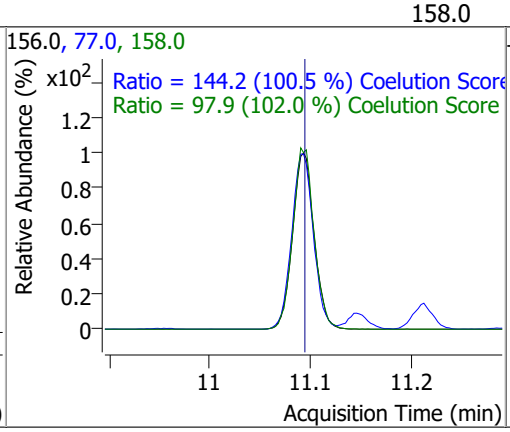


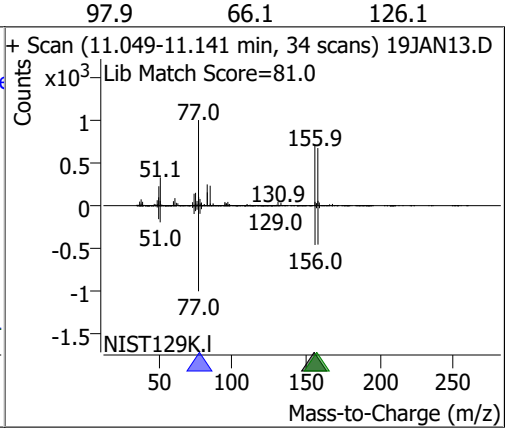
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	392.5157	10.95	0.00	415878	174.0	94.5	65.3	125.3
					176.0	91.6	63.3	123.3



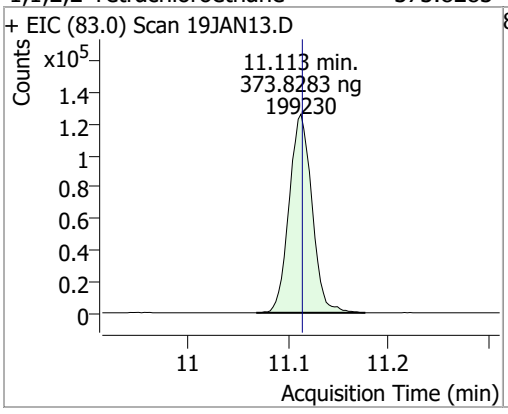
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	387.2660	11.09	0.00	361843	77.0	144.2	113.5	173.5
					158.0	97.9	66.1	126.1

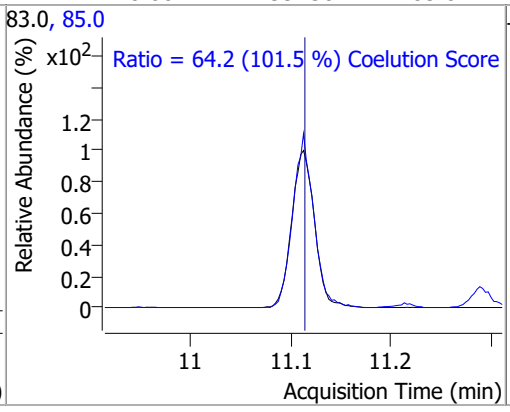


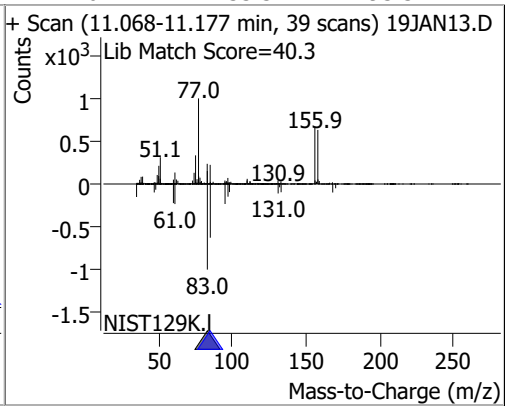




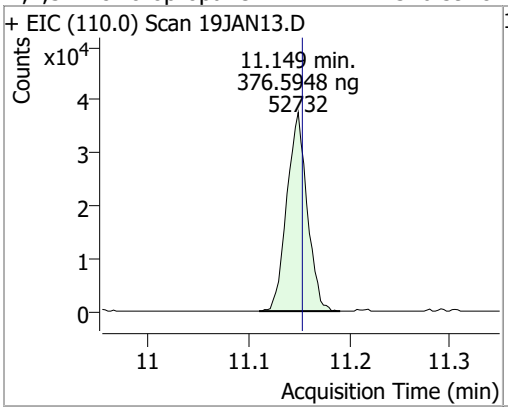
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	373.8283	11.11	0.00	199230	85.0	64.2	33.3	93.3

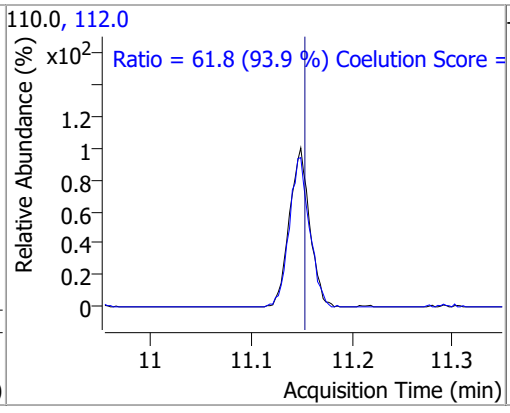


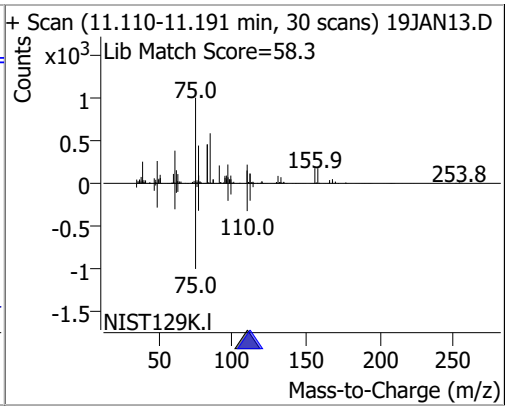




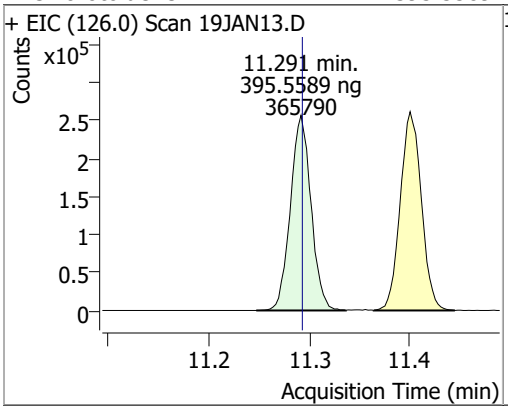
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	376.5948	11.15	0.00	52732	112.0	61.8	35.8	95.8

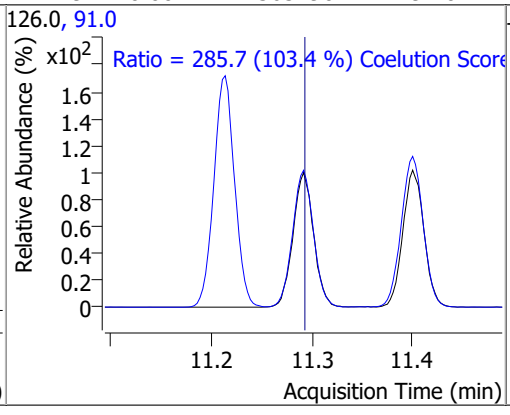


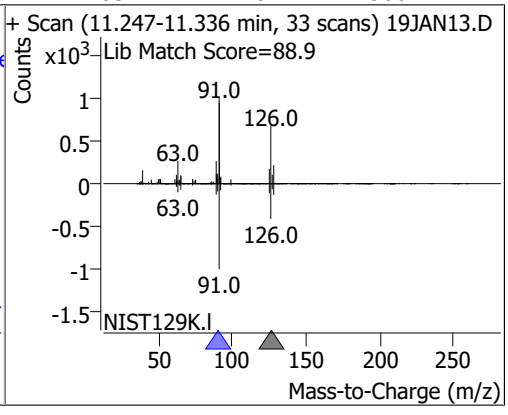




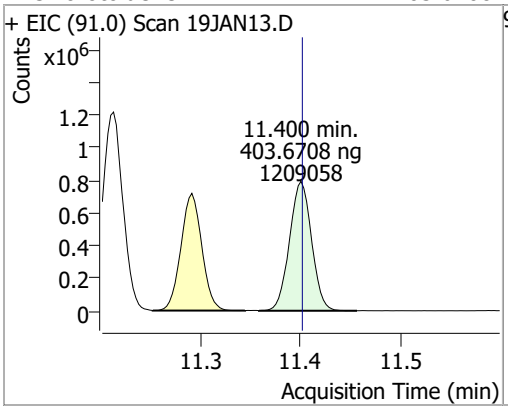
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	395.5589	11.29	0.00	365790	91.0	285.7	246.2	306.2

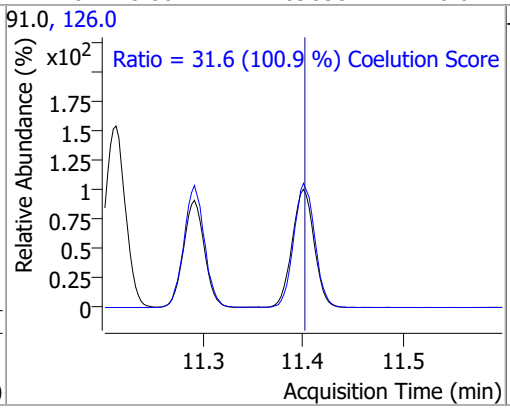


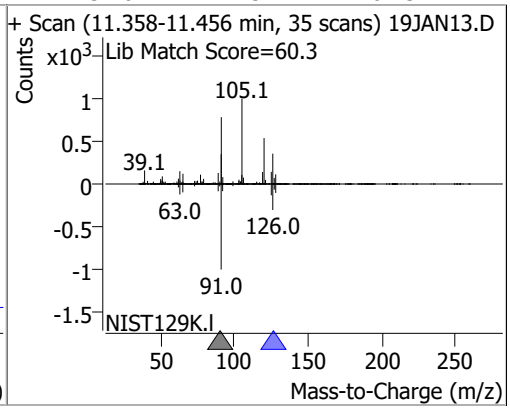




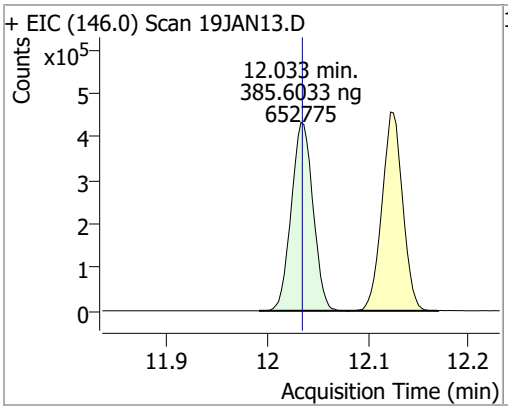
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	403.6708	11.40	0.00	1209058	126.0	31.6	1.3	61.3

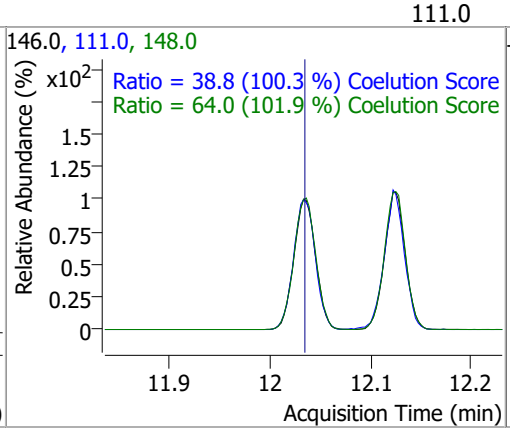


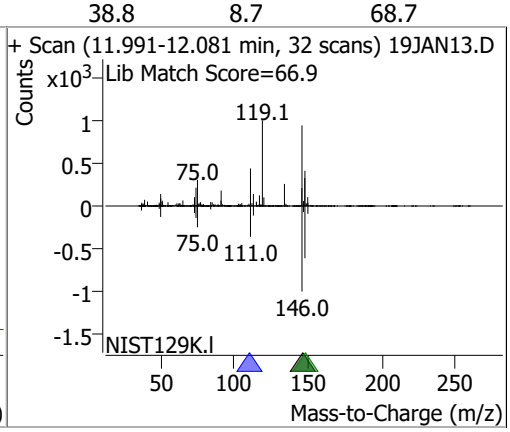




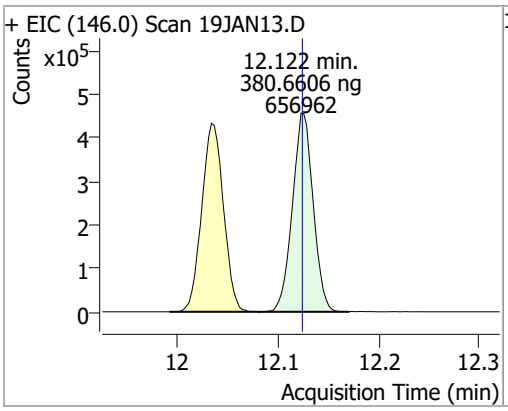
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	385.6033	12.03	0.00	652775	148.0	64.0	32.8	92.8
					111.0	38.8	8.7	68.7

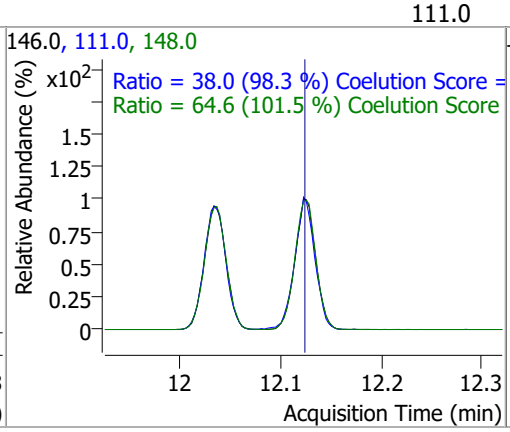


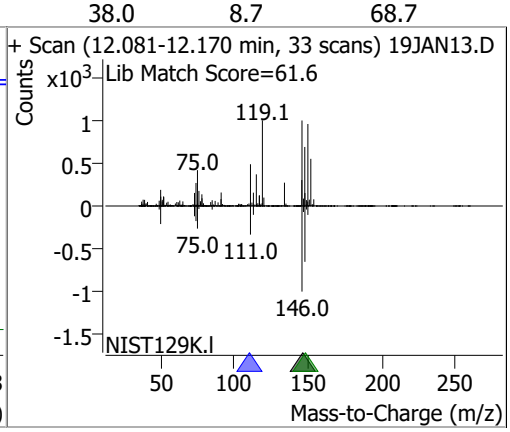




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	380.6606	12.12	0.00	656962	148.0	64.6	33.7	93.7
					111.0	38.0	8.7	68.7

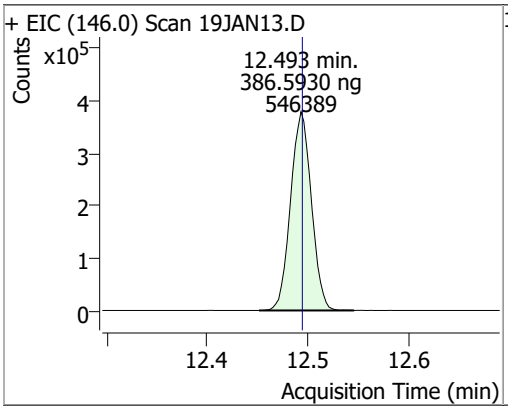


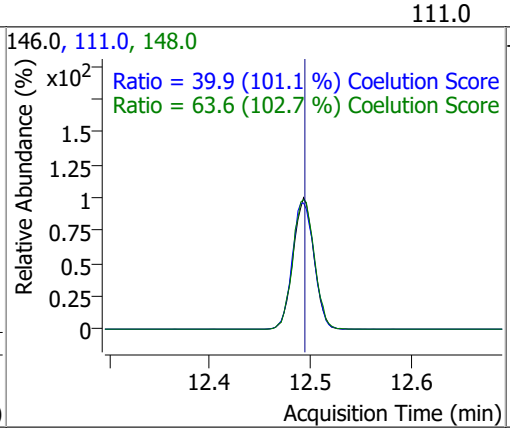


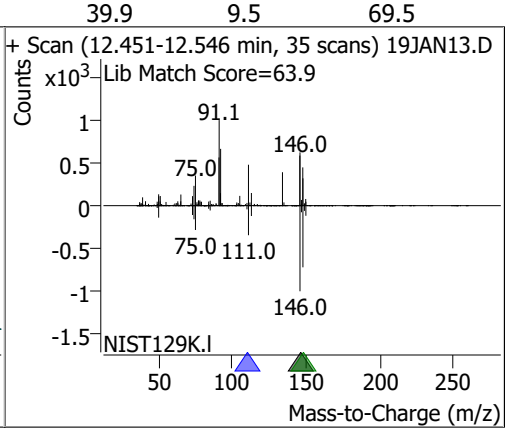


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	386.5930	12.49	0.00	546389	148.0	63.6	31.9	91.9
					111.0	39.9	9.5	69.5

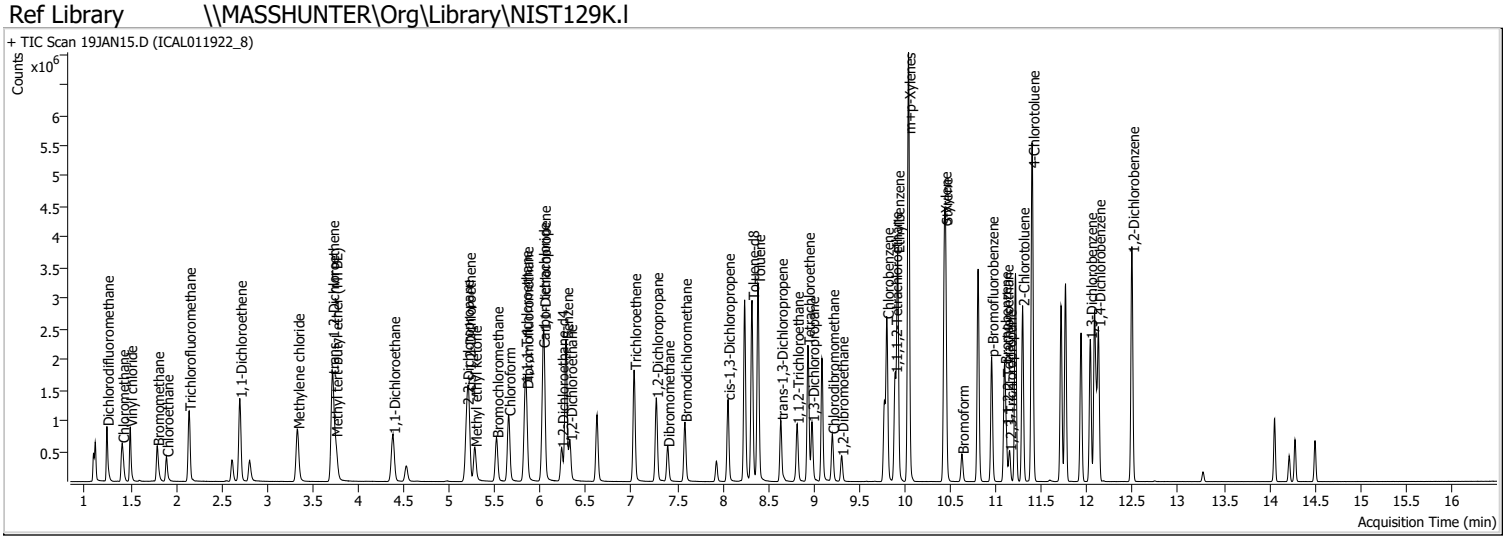






Quantitation Results Report (QT Reviewed)

Data File	19JAN15.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	1/19/2022 3:47:49 PM
Sample Name	ICAL011922_8	Instrument	VOA5975C
Vial	15	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG011922_8260B.batch.bin	Last Calib Update	1/20/2022 9:28:12 AM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

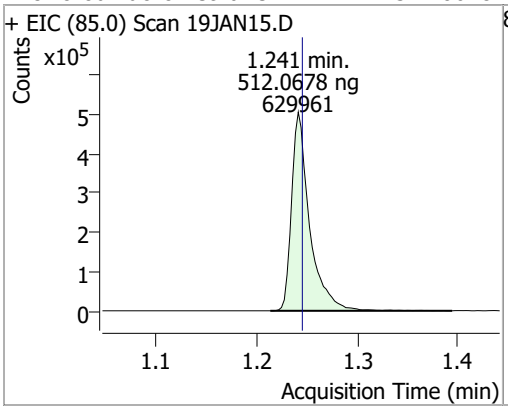


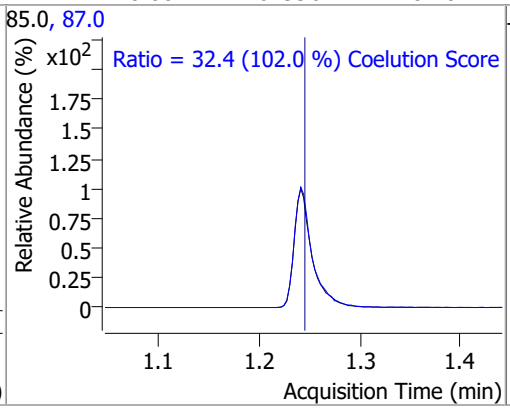
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.621	96.0	914923	250.0000	ng		0.000
M Chlorobenzene-d5	9.775	82.0	348824	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	291918	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.845	113.0	448615	506.2357	ng		-0.005
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 202.49%		*	
S 1,2-Dichloroethane-d4	6.230	67.0	191123	499.2690	ng		0.000
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 199.71%		*	
S Toluene-d8	8.322	98.0	1826060	536.5850	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 214.63%		*	
S p-Bromofluorobenzene	10.951	95.0	572482	531.1436	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 212.46%		*	
Target Compounds							**QValue**
T Dichlorodifluoromethane	1.241	85.0	629961	512.0678	ng		99
T Chloromethane	1.409	50.0	718053	495.7627	ng		100
T Vinyl chloride	1.498	62.0	669671	507.9543	ng		99
T Bromomethane	1.793	96.0	324434	492.3720	ng		96
T Chloroethane	1.894	64.0	289150	463.5741	ng		99
T Trichlorofluoromethane	2.142	101.0	811600	513.3762	ng		100
T 1,1-Dichloroethene	2.700	96.0	479145	520.8803	ng		98
T Methylene chloride	3.333	49.0	641583	479.7159	ng		99
T trans-1,2-Dichloroethene	3.715	96.0	486383	511.8313	ng		99
T Methyl tert-butyl ether (MTBE)	3.751	73.0	632731	532.7227	ng		99
T 1,1-Dichloroethane	4.381	63.0	921258	518.0035	ng		99
T 2,2-Dichloropropane	5.190	77.0	683822	510.2077	ng		96
T cis-1,2-Dichloroethene	5.212	96.0	513671	533.8672	ng		98
T Methyl ethyl ketone	5.279	43.0	752615	5412.5869	ng		100
T Bromochloromethane	5.519	128.0	195140	491.8934	ng		94
T Chloroform	5.650	83.0	879544	495.3045	ng		99

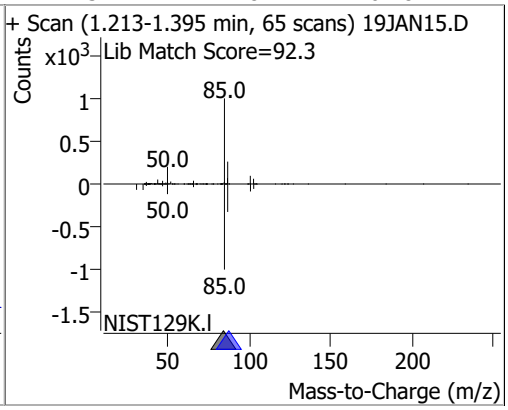
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	5.831	97.0	863441	526.9948	ng	98
T Carbon tetrachloride	6.027	117.0	851101	535.6026	ng	98
T 1,1-Dichloropropene	6.038	75.0	746500	561.8648	ng	99
T Benzene	6.280	78.0	1913180	523.4472	ng	99
T 1,2-Dichloroethane	6.325	62.0	499614	494.9057	ng	97
T Trichloroethene	7.028	95.0	553822	530.3320	ng	99
T 1,2-Dichloropropane	7.270	63.0	490282	533.9834	ng	96
T Dibromomethane	7.393	93.0	197367	509.9818	ng	99
T Bromodichloromethane	7.585	83.0	561671	516.1211	ng	99
T cis-1,3-Dichloropropene	8.057	75.0	666084	557.7775	ng	100
T Toluene	8.389	92.0	1224192	539.6763	ng	100
T trans-1,3-Dichloropropene	8.637	75.0	477330	547.9867	ng	97
T 1,1,2-Trichloroethane	8.815	83.0	228423	515.7192	ng	96
T Tetrachloroethene	8.935	163.8	486052	528.4090	ng	99
T 1,3-Dichloropropane	8.980	76.0	468322	522.4977	ng	100
T Chlorodibromomethane	9.203	129.0	370474	519.3572	ng	100
T 1,2-Dibromoethane	9.303	107.0	253758	518.7332	ng	96
T Chlorobenzene	9.802	112.0	1298233	522.0725	ng	100
T 1,1,1,2-Tetrachloroethane	9.892	131.0	453261	519.5010	ng	97
T Ethylbenzene	9.920	91.0	2354058	492.0069	ng	100
T m+p-Xylenes	10.039	106.0	1838610	982.9557	ng	100
T o-Xylene	10.433	106.0	822173	490.5696	ng	99
T Styrene	10.447	104.0	1332807	489.9958	ng	100
T Bromoform	10.625	172.5	198345	507.0612	ng	100
T Bromobenzene	11.094	156.0	501025	527.1176	ng	99
T 1,1,2,2-Tetrachloroethane	11.113	83.0	273124	503.7746	ng	99
T 1,2,3-Trichloropropane	11.149	110.0	71179	499.7018	ng	97
T 2-Chlorotoluene	11.292	126.0	506556	538.4753	ng	97
T 4-Chlorotoluene	11.400	91.0	1661293	545.2370	ng	100
T 1,3-Dichlorobenzene	12.033	146.0	895336	519.9029	ng	99
T 1,4-Dichlorobenzene	12.123	146.0	899595	512.3936	ng	99
T 1,2-Dichlorobenzene	12.493	146.0	753439	524.0336	ng	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

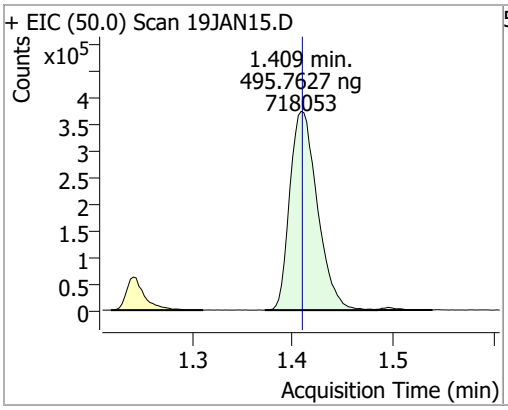
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	512.0678	1.24	0.00	629961	87.0	32.4	1.8	61.8

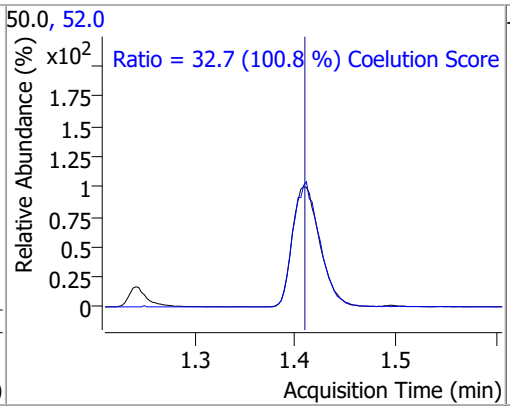


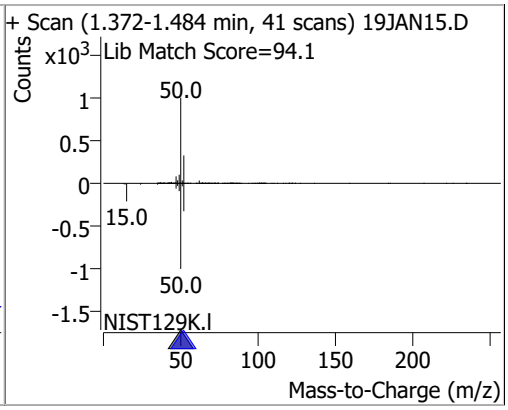




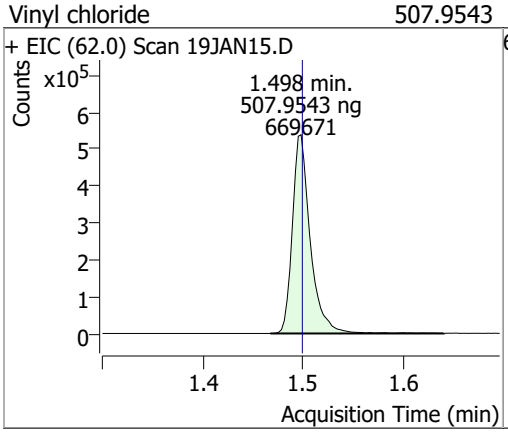
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	495.7627	1.41	0.00	718053	52.0	32.7	2.4	62.4

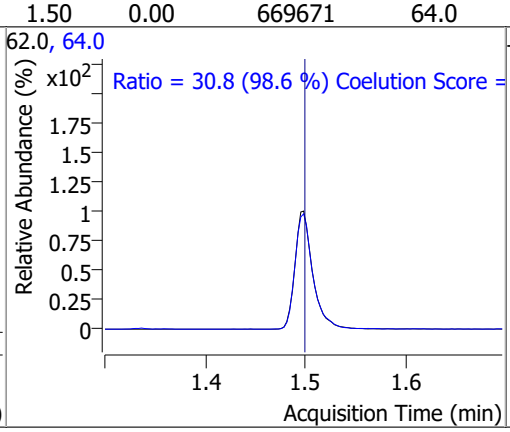


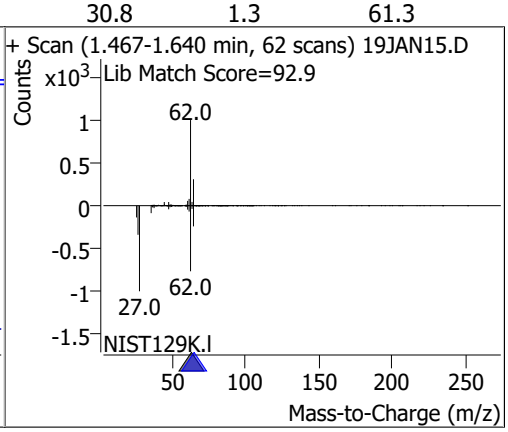




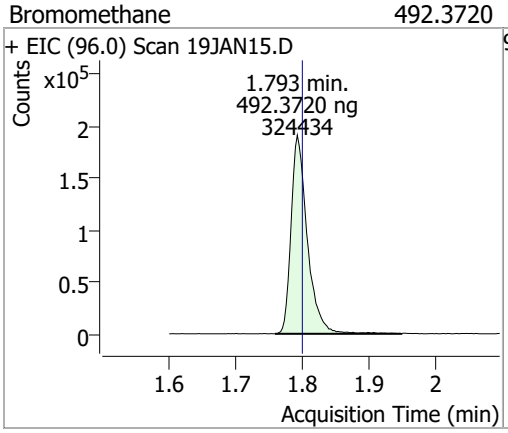
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	507.9543	1.50	0.00	669671	64.0	30.8	1.3	61.3

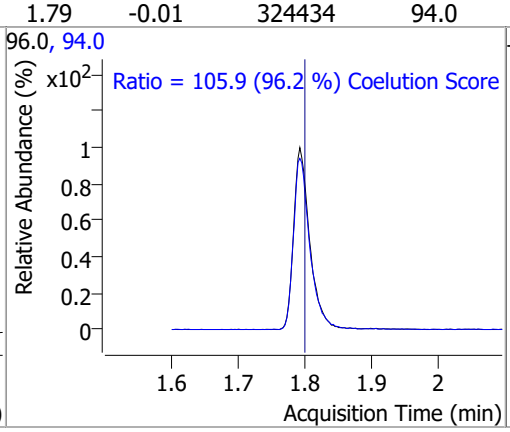


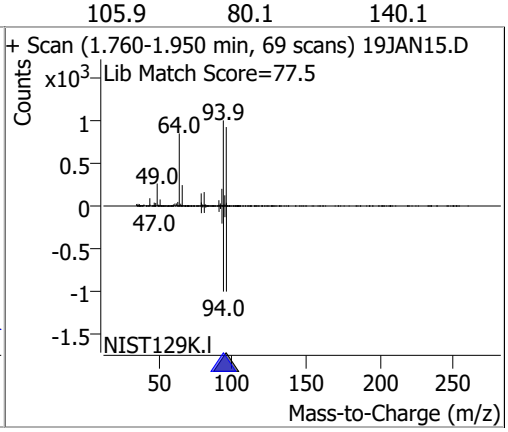




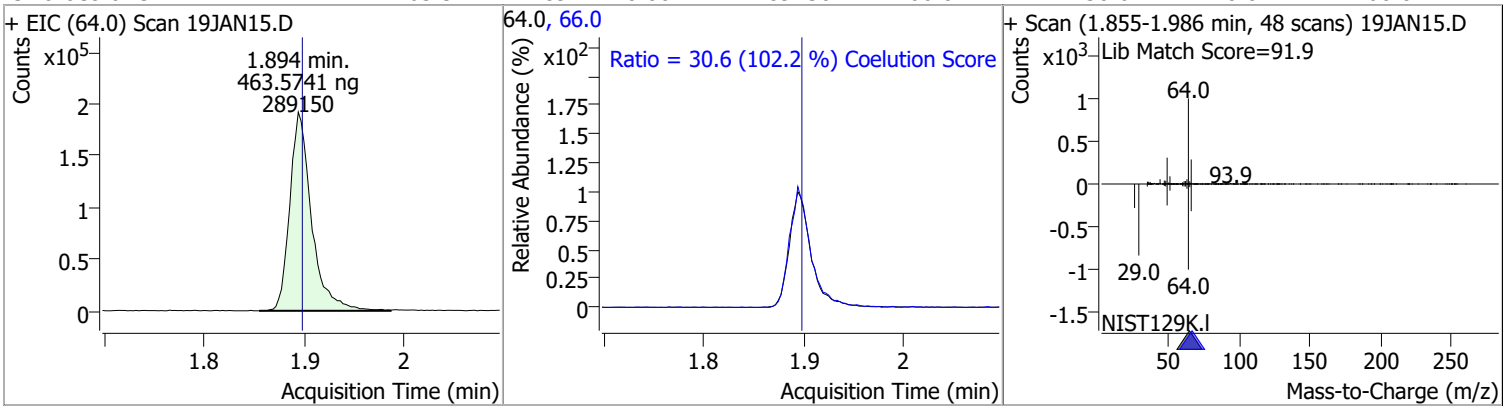
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	492.3720	1.79	-0.01	324434	94.0	105.9	80.1	140.1



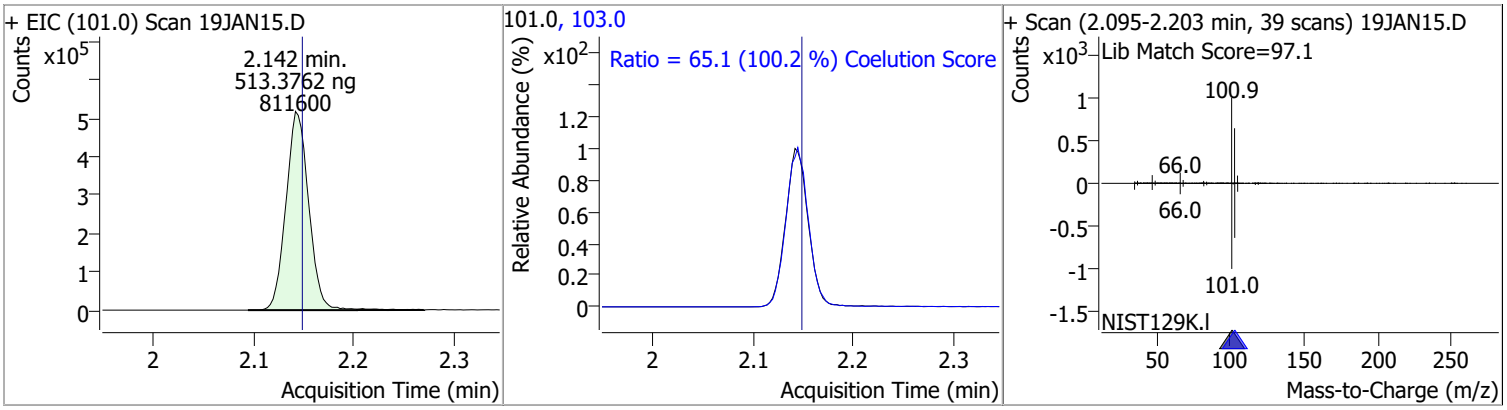




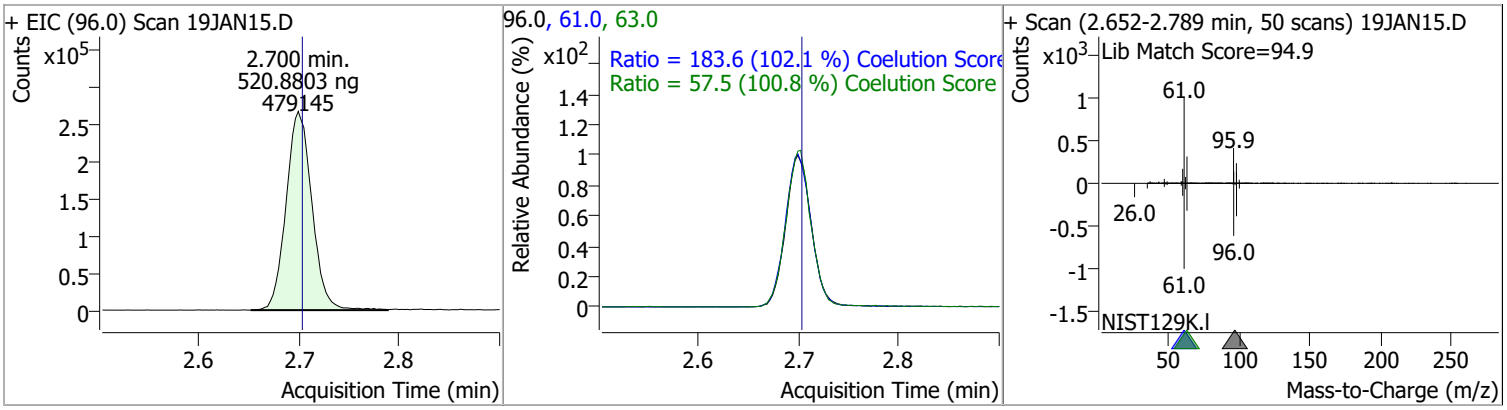
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	463.5741	1.89	0.00	289150	66.0	30.6	0.0	60.0



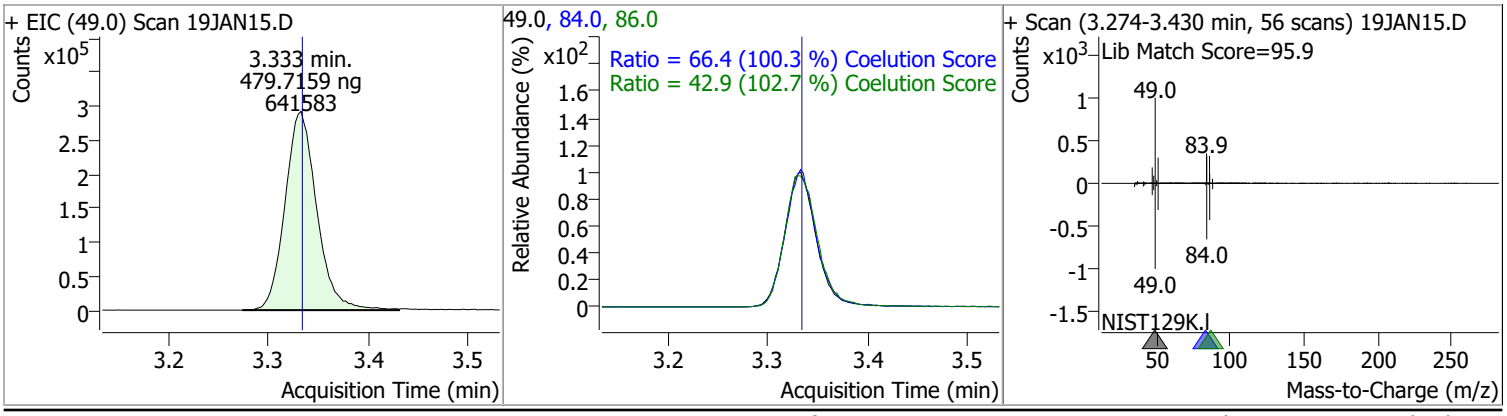
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	513.3762	2.14	-0.01	811600	103.0	65.1	35.0	95.0



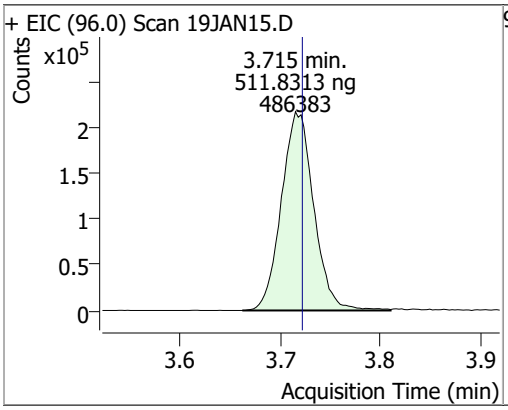
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	520.8803	2.70	0.00	479145	61.0	183.6	149.9	209.9
					63.0	57.5	27.0	87.0

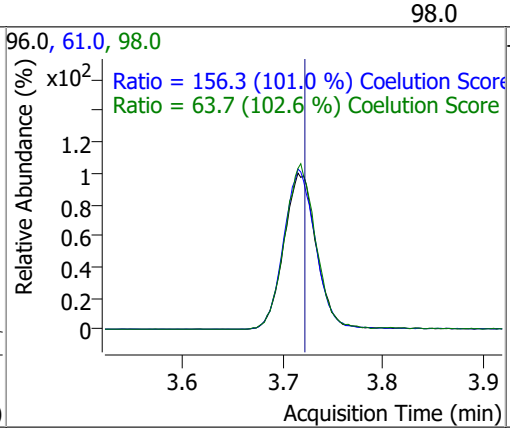


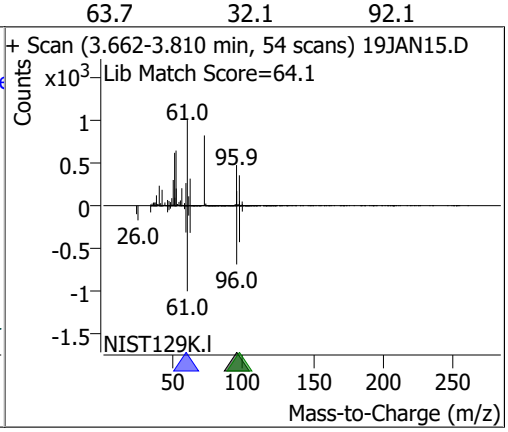
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	479.7159	3.33	0.00	641583	84.0	66.4	36.1	96.1
					86.0	42.9	11.8	71.8



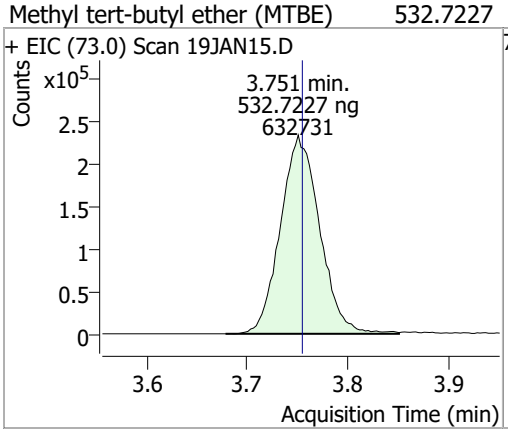
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	511.8313	3.71	-0.01	486383	61.0	156.3	124.8	184.8
					98.0	63.7	32.1	92.1

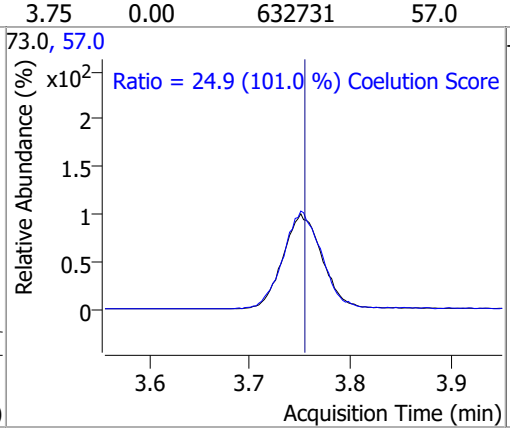


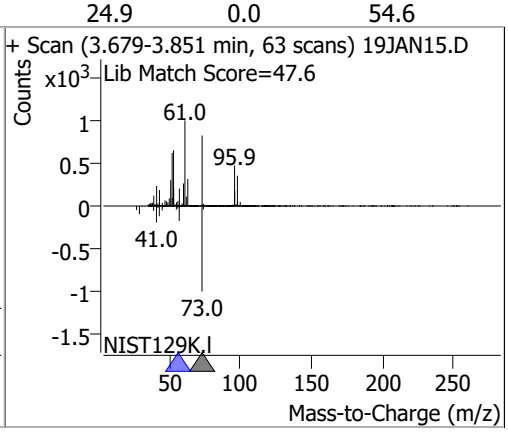




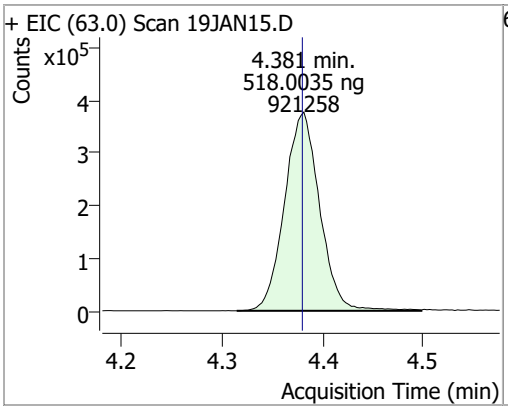
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	532.7227	3.75	0.00	632731	57.0	24.9	0.0	54.6

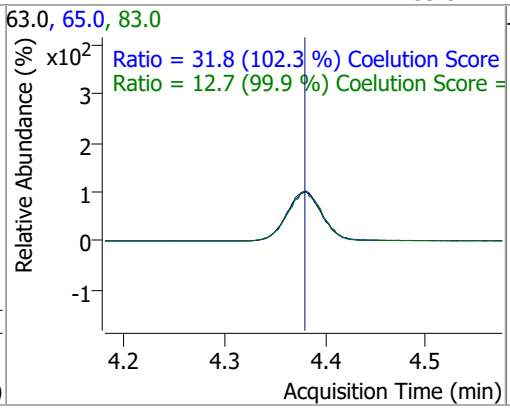


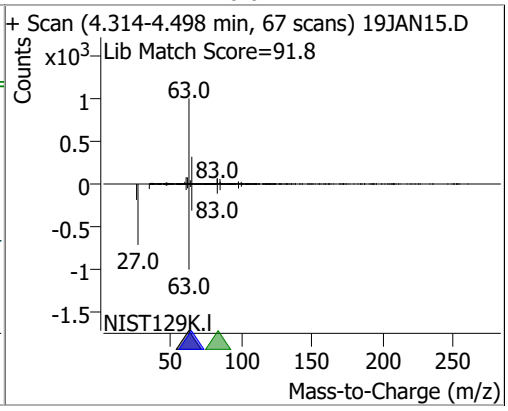




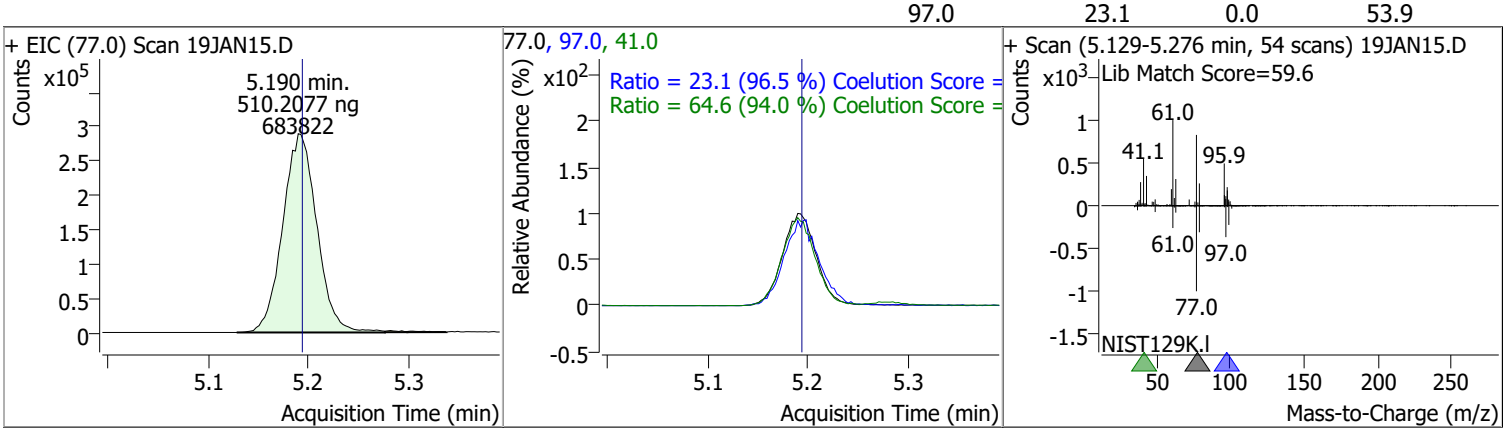
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	518.0035	4.38	0.00	921258	65.0	31.8	1.0	61.0
					83.0	12.7	0.0	42.7



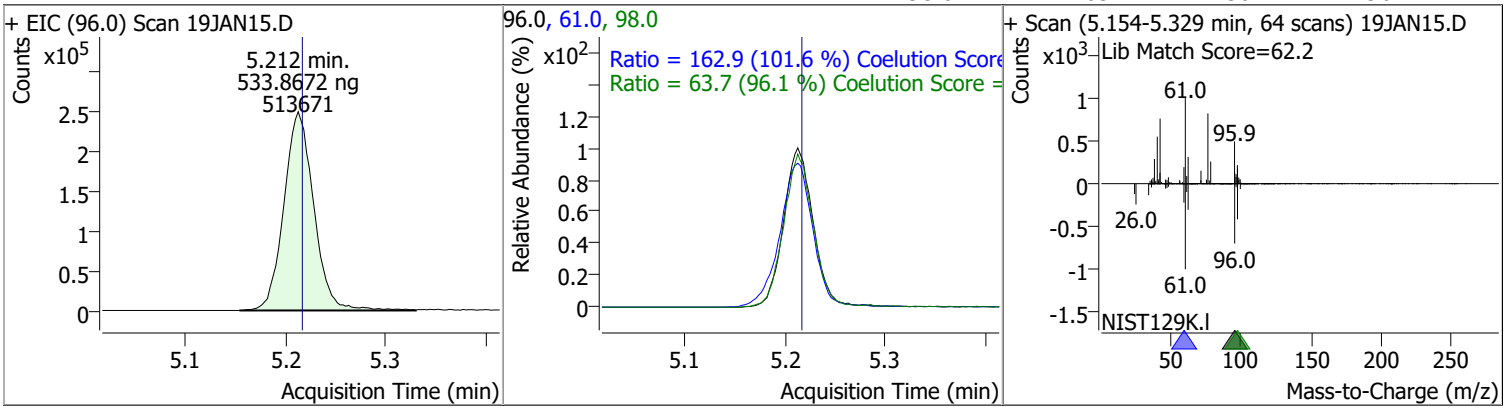




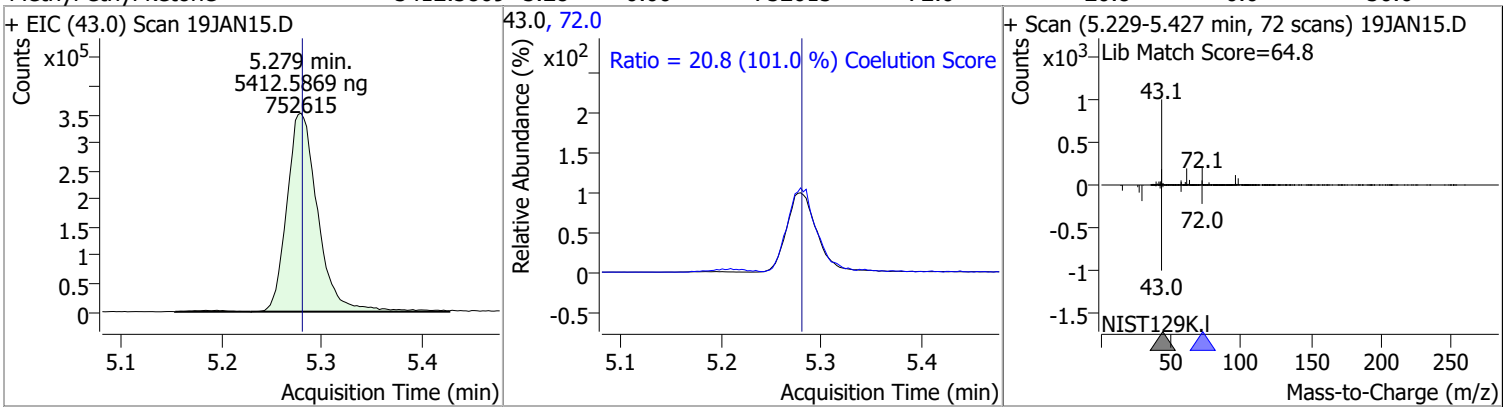
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	510.2077	5.19	0.00	683822	41.0	64.6	38.8	98.8
					97.0	23.1	0.0	53.9



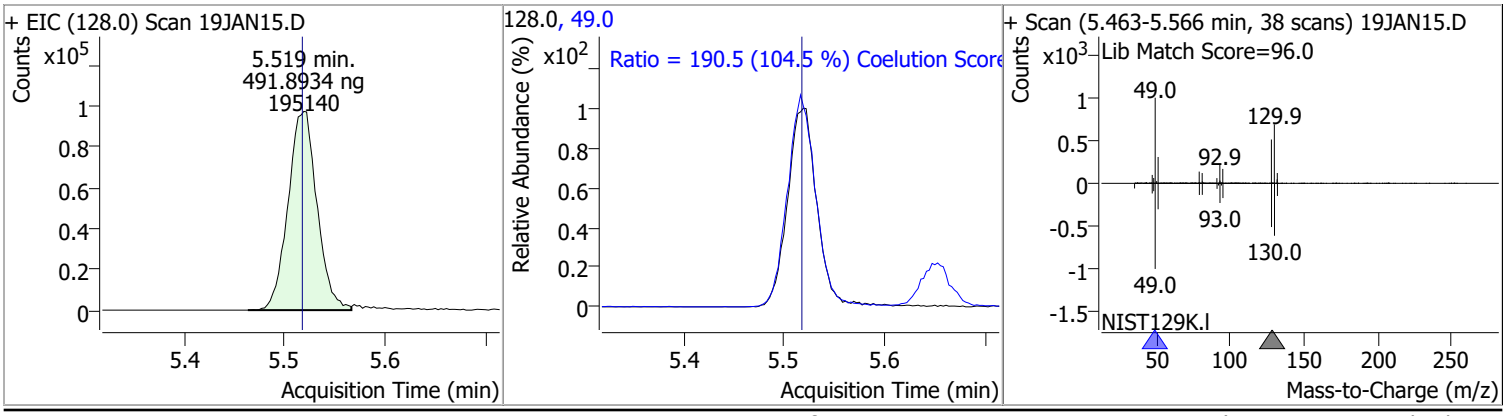
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	533.8672	5.21	0.00	513671	61.0	162.9	130.4	190.4
					98.0	63.7	36.2	96.2



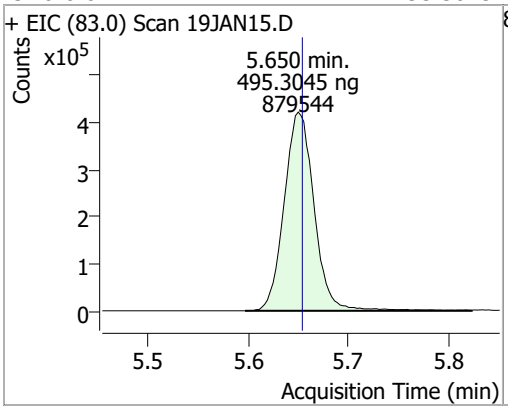
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	5412.5869	5.28	0.00	752615	72.0	20.8	0.0	50.6

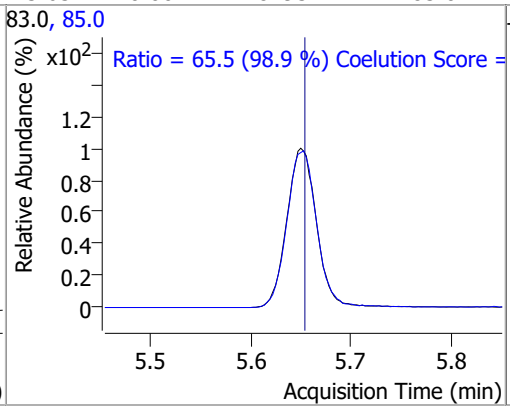


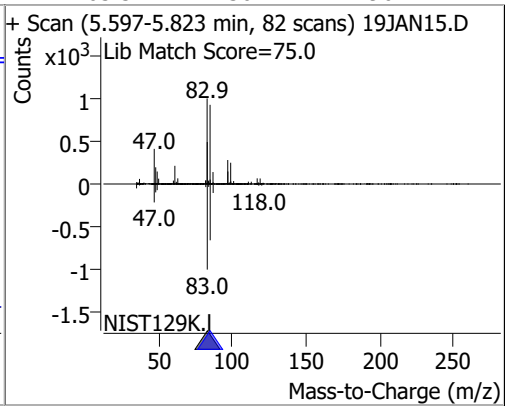
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	491.8934	5.52	0.00	195140	49.0	190.5	152.2	212.2



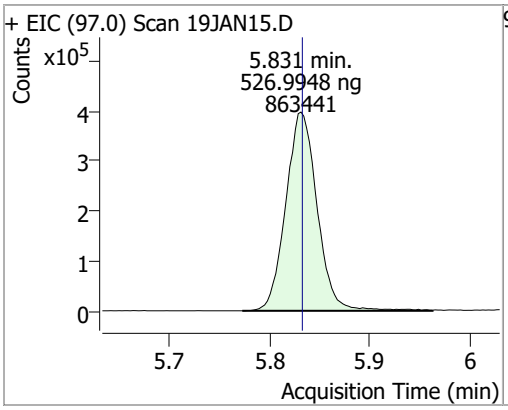
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	495.3045	5.65	0.00	879544	85.0	65.5	36.2	96.2

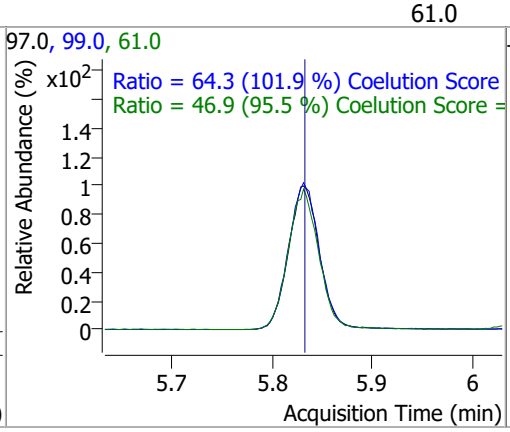


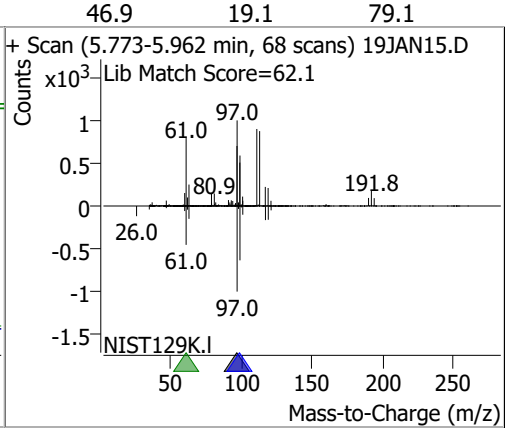




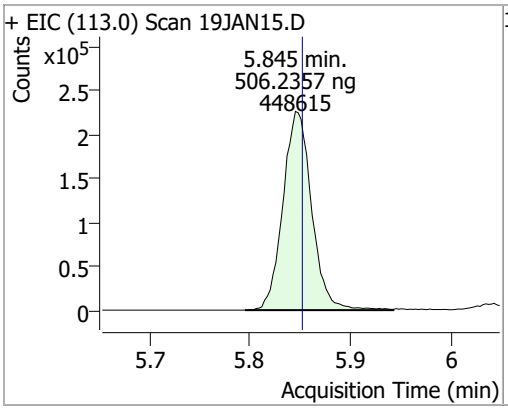
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	526.9948	5.83	0.00	863441	99.0	64.3	33.1	93.1
					61.0	46.9	19.1	79.1

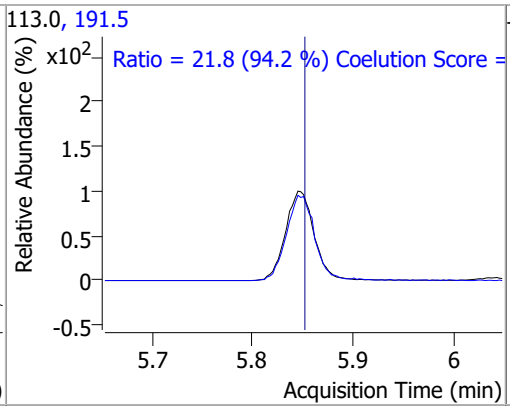


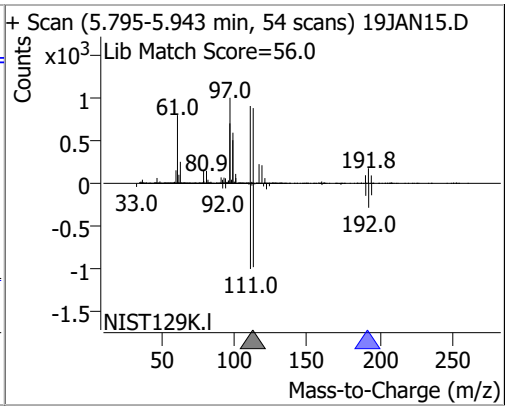




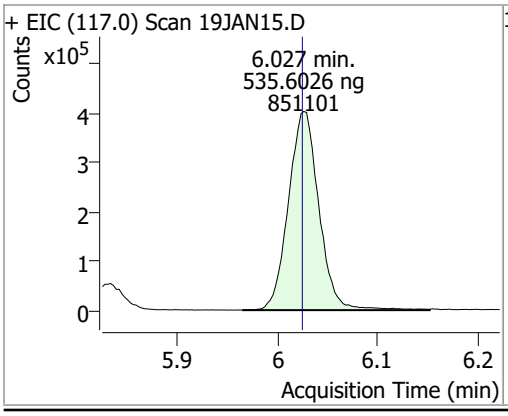
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	506.2357	5.85	-0.01	448615	191.5	21.8	0.0	53.2

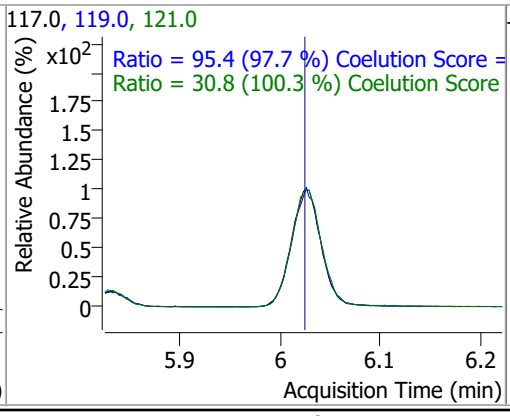


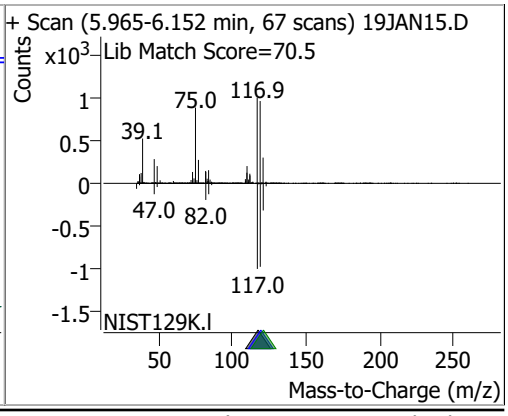




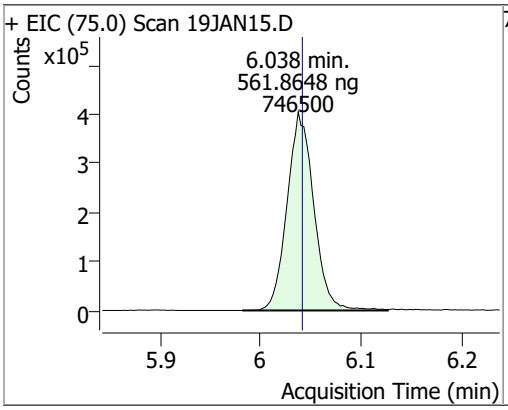
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	535.6026	6.03	0.00	851101	119.0	95.4	67.6	127.6
					121.0	30.8	0.7	60.7

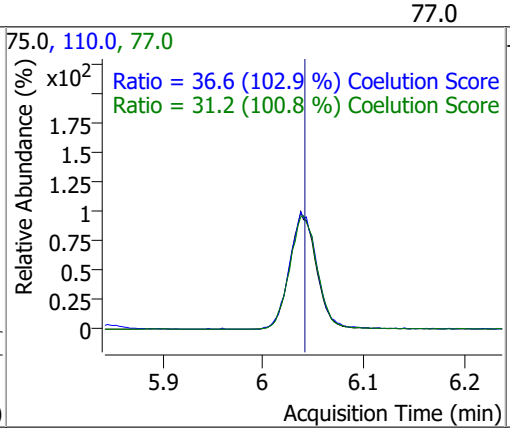


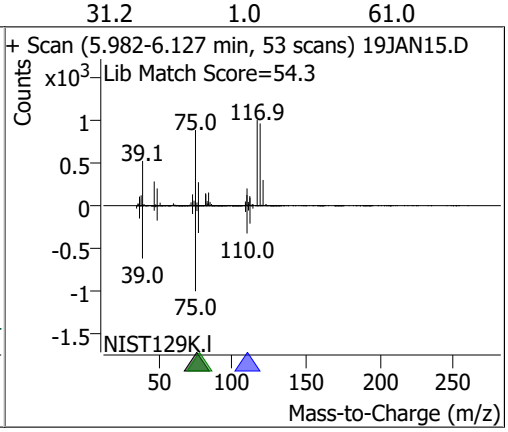




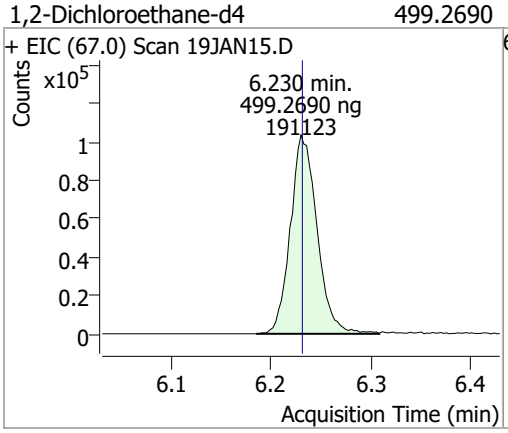
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	561.8648	6.04	0.00	746500	110.0	36.6	5.6	65.6
					77.0	31.2	1.0	61.0

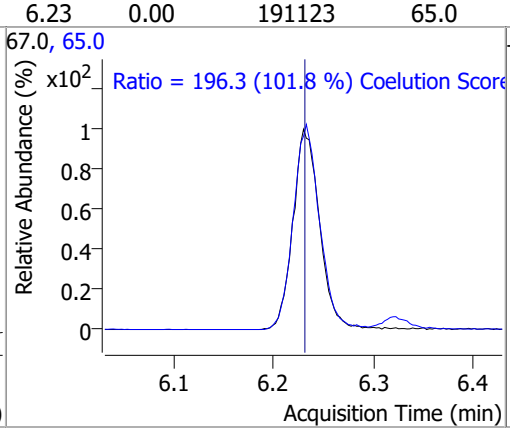


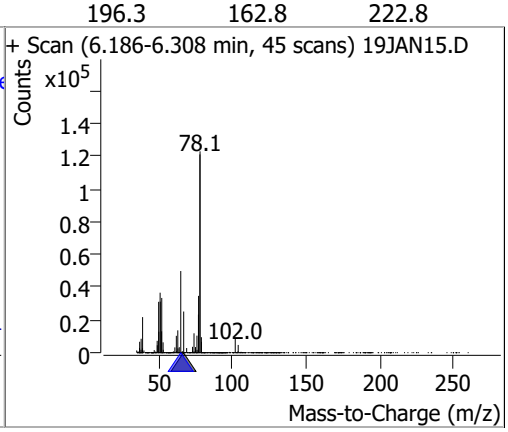




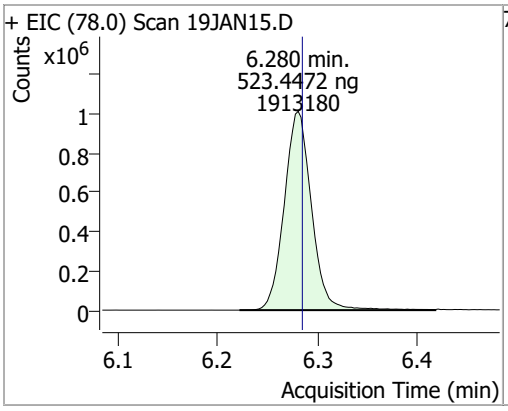
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	499.2690	6.23	0.00	191123	65.0	196.3	162.8	222.8

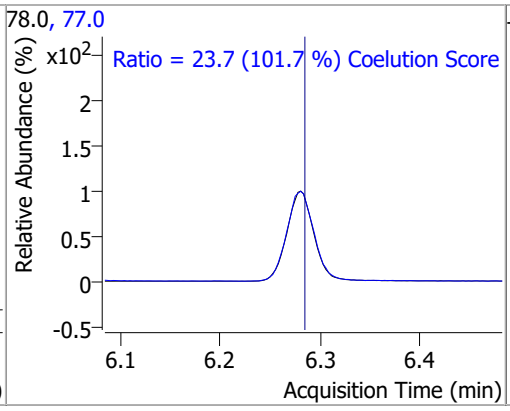


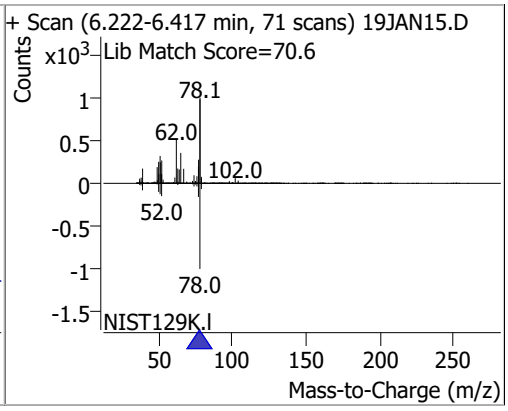




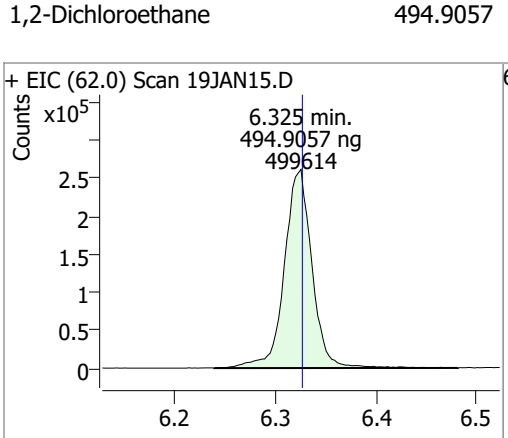
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	523.4472	6.28	0.00	1913180	77.0	23.7	0.0	53.3

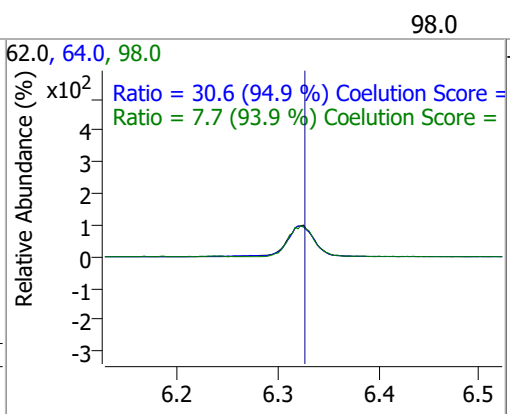


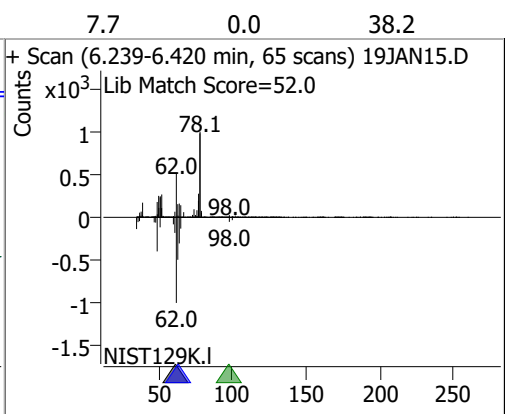




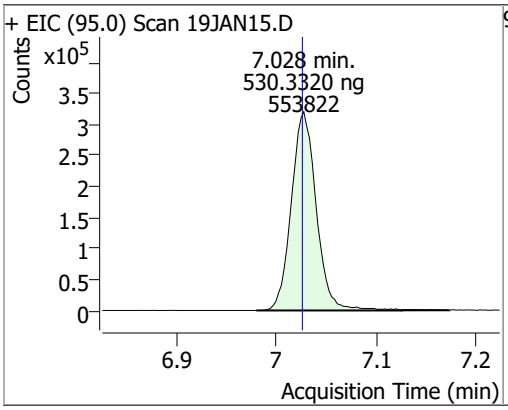
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	494.9057	6.32	0.00	499614	64.0	30.6	2.2	62.2
					98.0	7.7	0.0	38.2

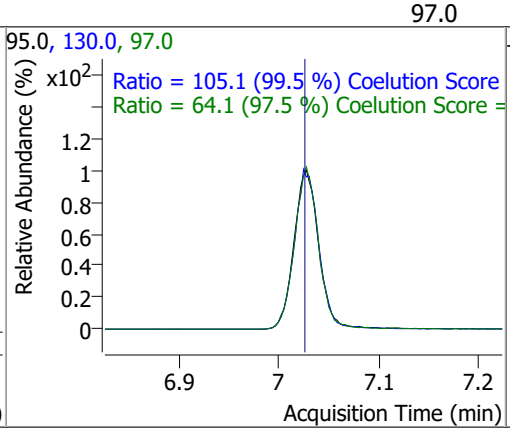


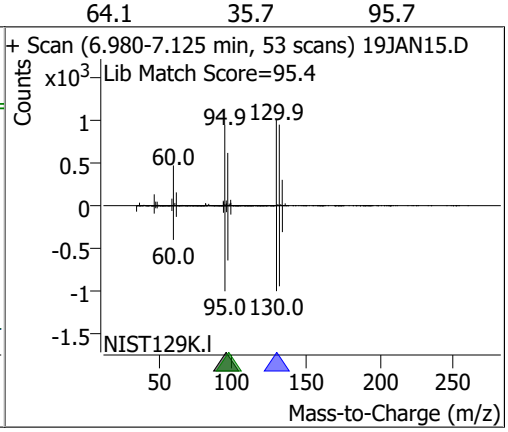




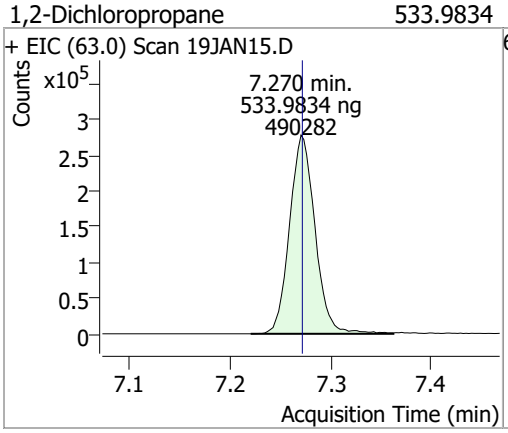
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	530.3320	7.03	0.00	553822	130.0	105.1	75.6	135.6
					97.0	64.1	35.7	95.7

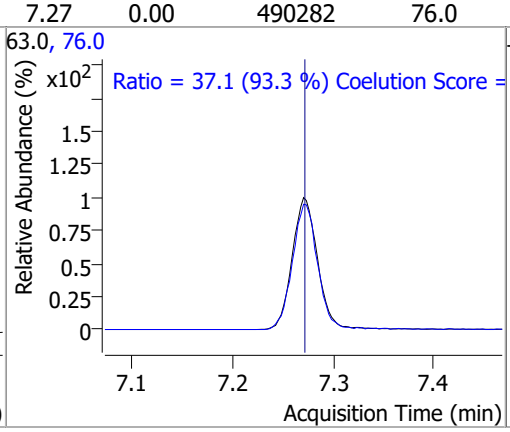


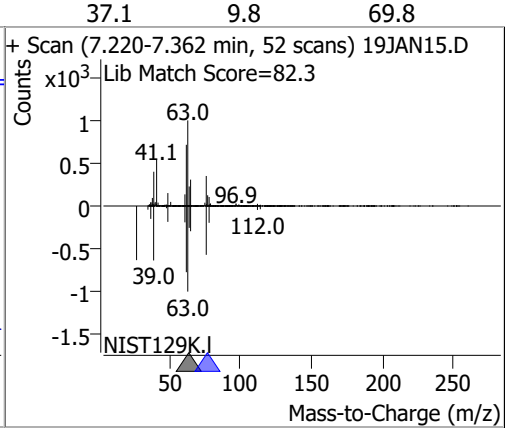




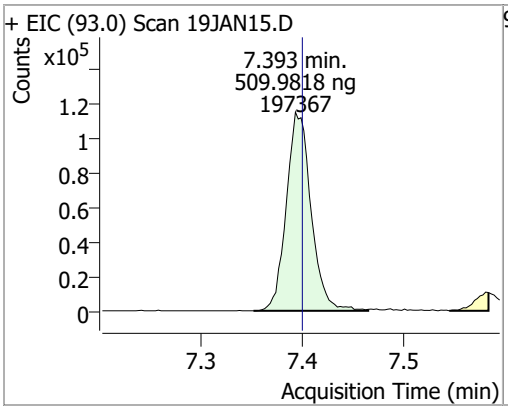
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	533.9834	7.27	0.00	490282	76.0	37.1	9.8	69.8

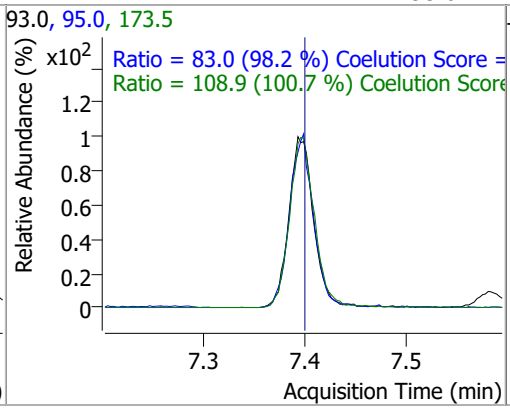


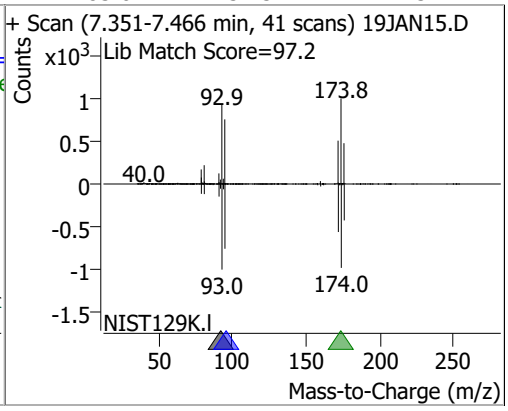




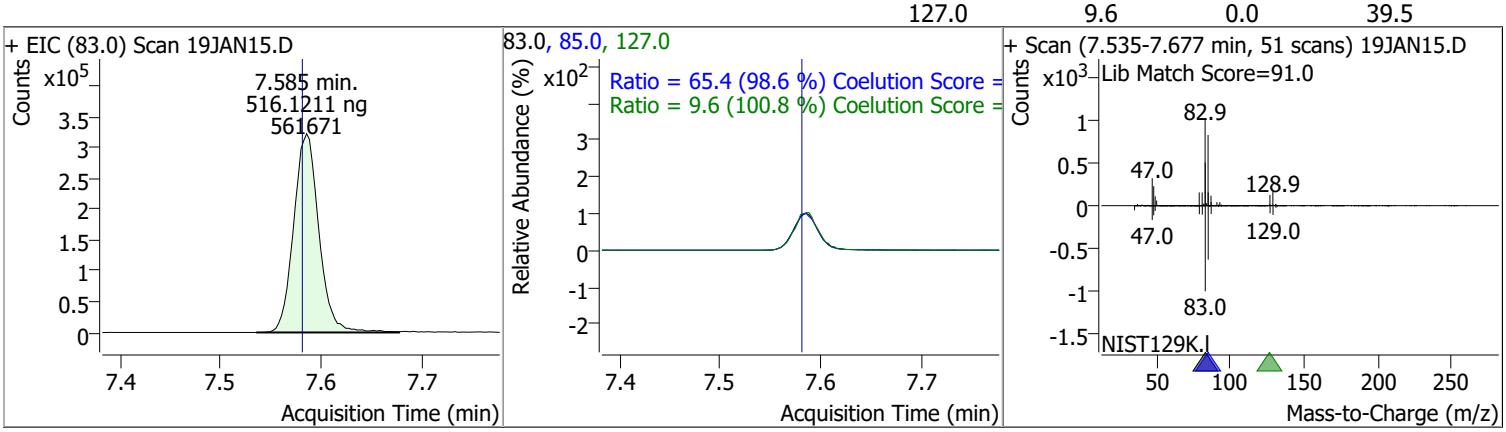
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	509.9818	7.39	-0.01	197367	173.5	108.9	78.2	138.2
					95.0	83.0	54.5	114.5



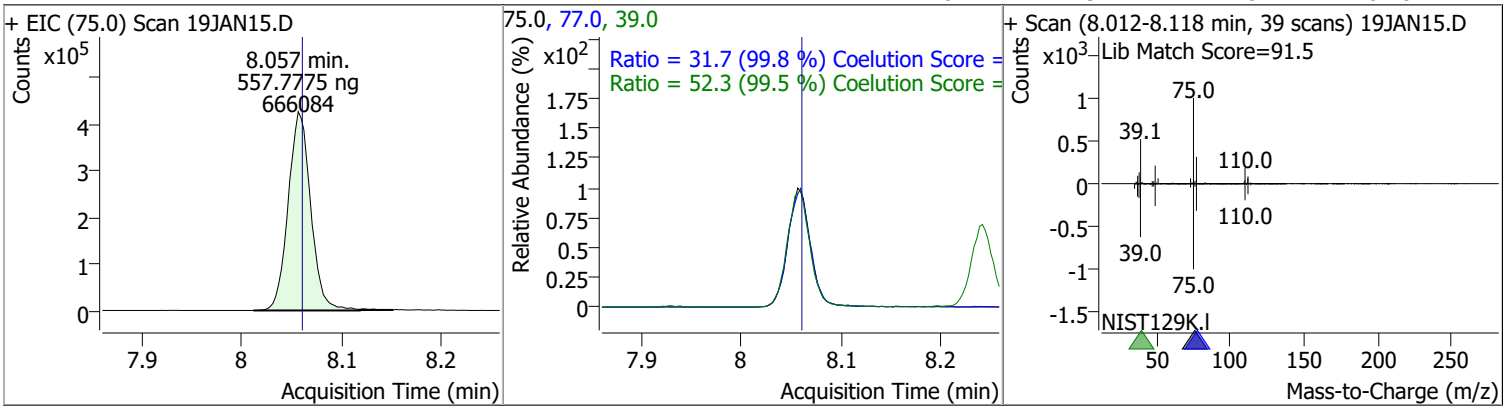




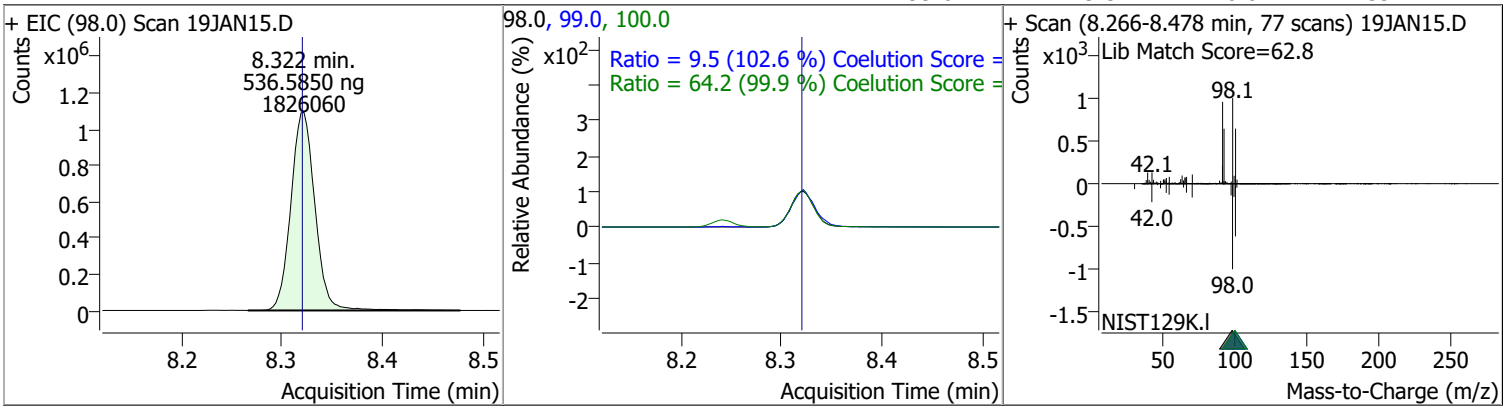
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	516.1211	7.59	0.01	561671	85.0	65.4	36.3	96.3
					127.0	9.6	0.0	39.5



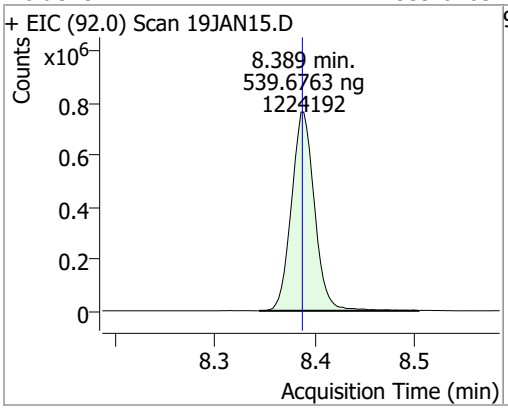
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	557.7775	8.06	0.00	666084	39.0	52.3	22.5	82.5
					77.0	31.7	1.8	61.8

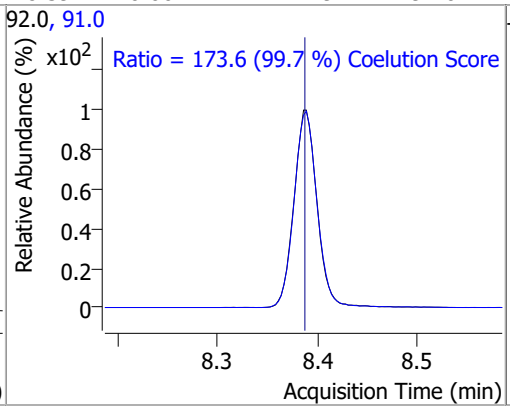


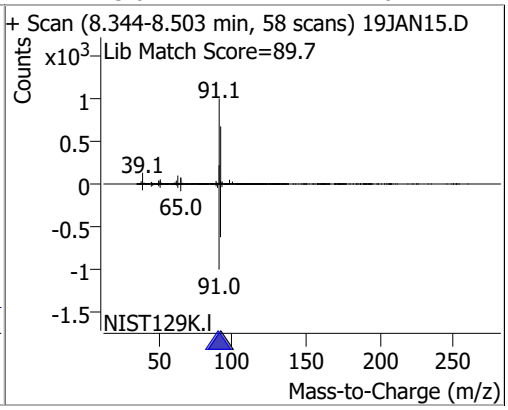
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	536.5850	8.32	0.00	1826060	100.0	64.2	34.3	94.3
					99.0	9.5	0.0	39.2



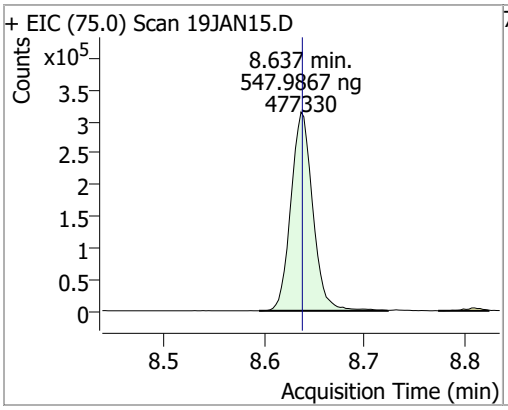
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	539.6763	8.39	0.00	1224192	91.0	173.6	144.1	204.1

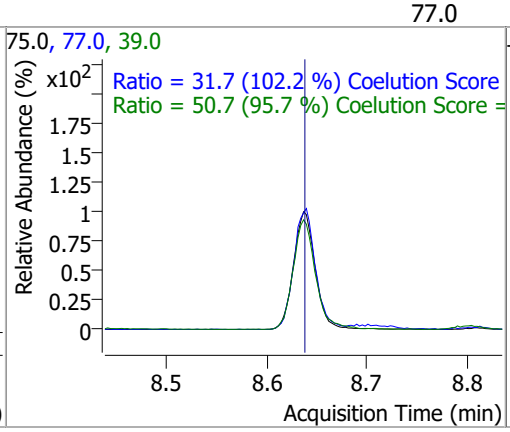


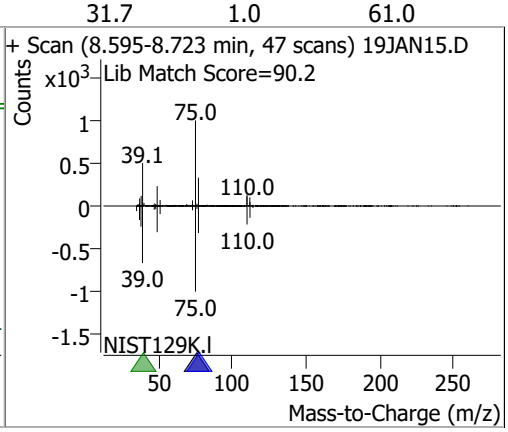




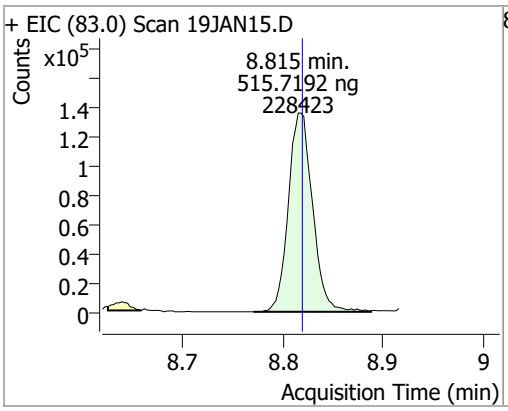
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	547.9867	8.64	0.00	477330	39.0	50.7	23.0	83.0
					77.0	31.7	1.0	61.0

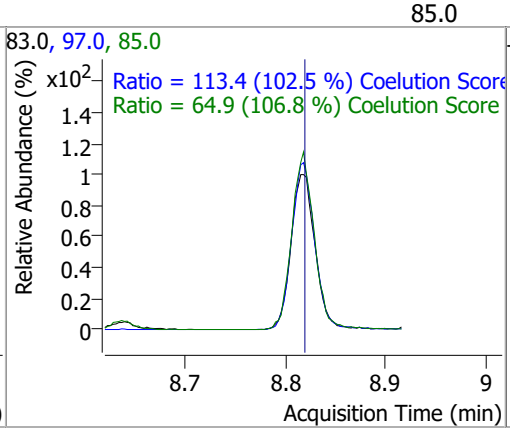


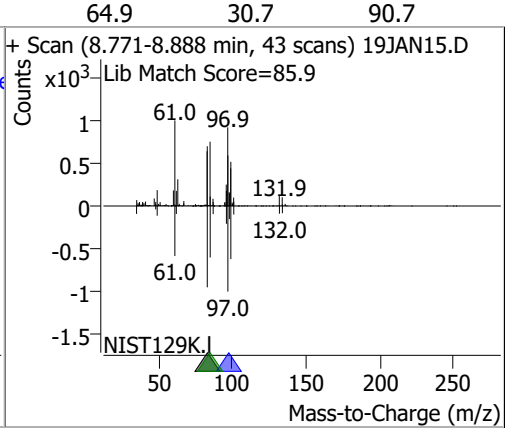




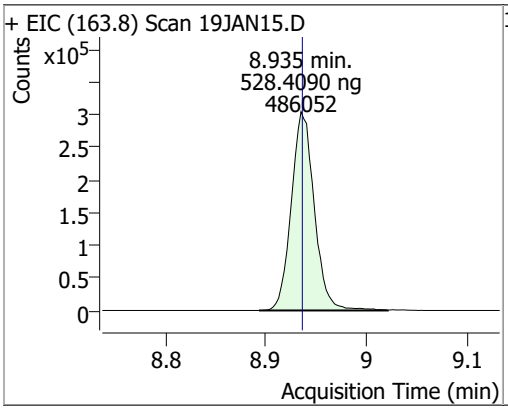
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	515.7192	8.82	0.00	228423	97.0	113.4	80.7	140.7
					85.0	64.9	30.7	90.7

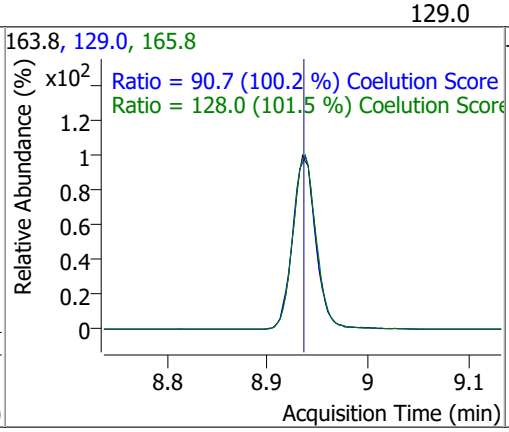


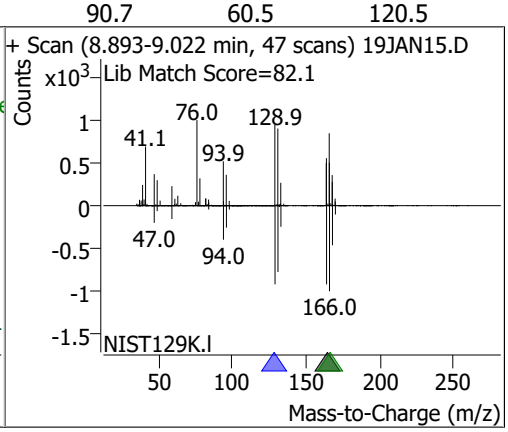




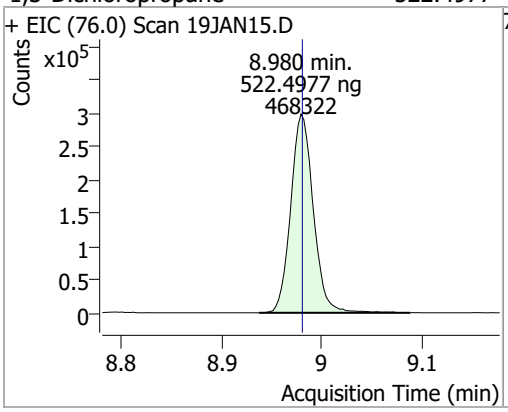
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	528.4090	8.94	0.00	486052	165.8	128.0	96.1	156.1
					129.0	90.7	60.5	120.5

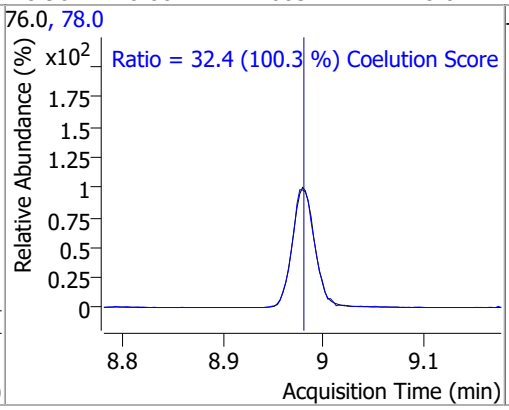


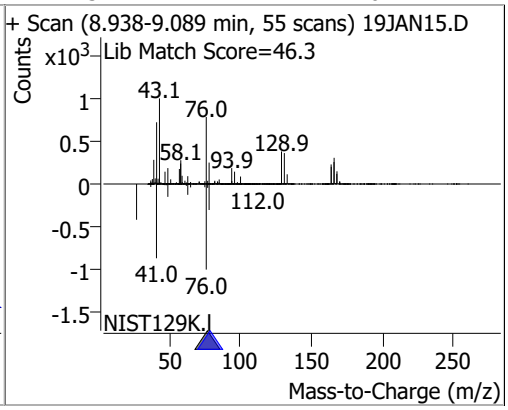




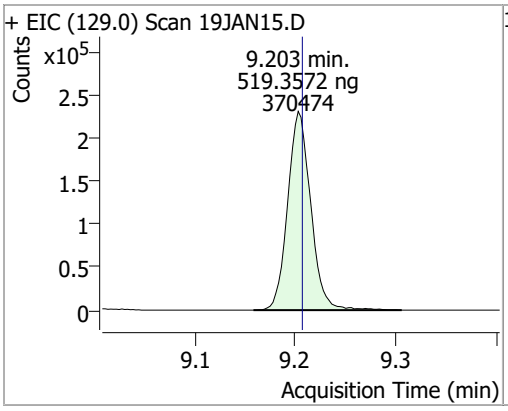
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	522.4977	8.98	0.00	468322	78.0	32.4	2.4	62.4

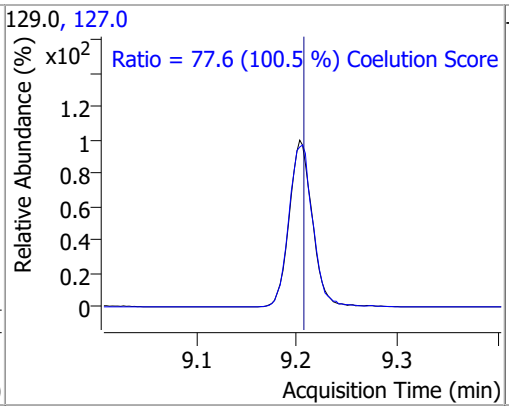


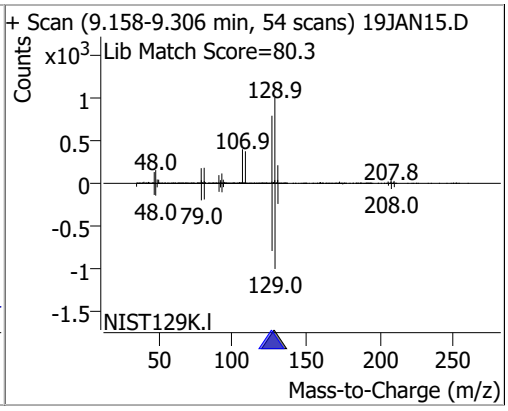




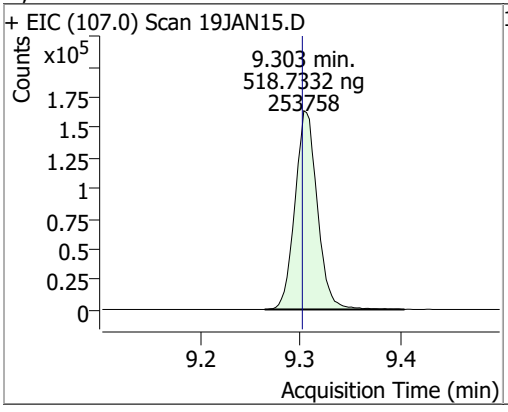
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	519.3572	9.20	0.00	370474	127.0	77.6	47.2	107.2

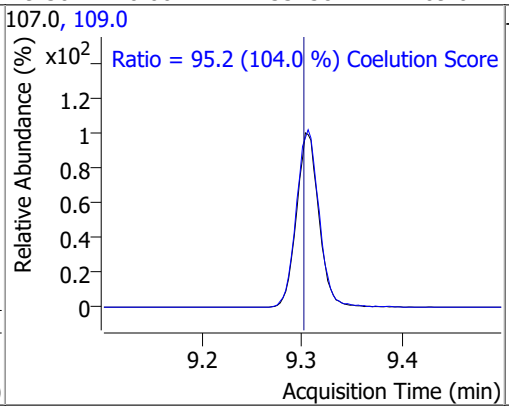


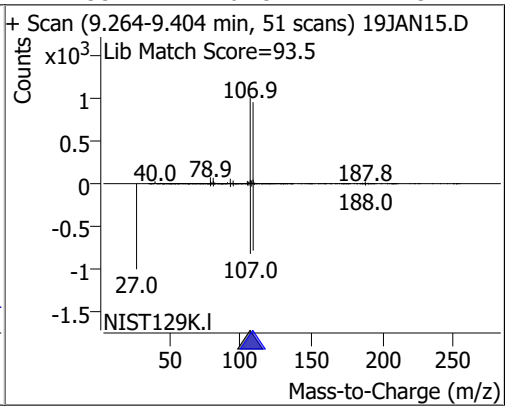




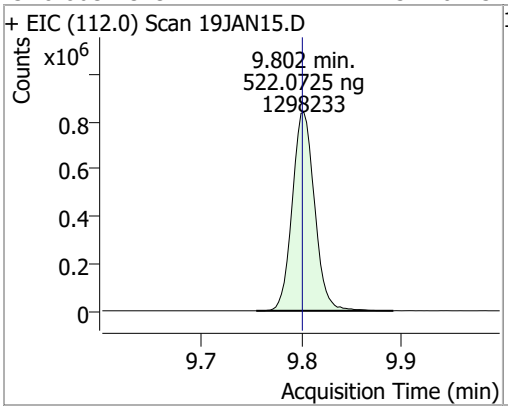
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	518.7332	9.30	0.00	253758	109.0	95.2	61.5	121.5

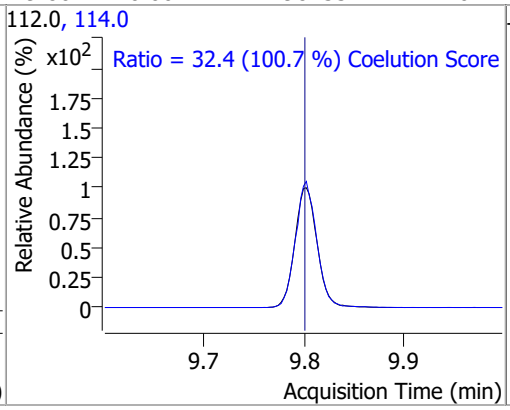


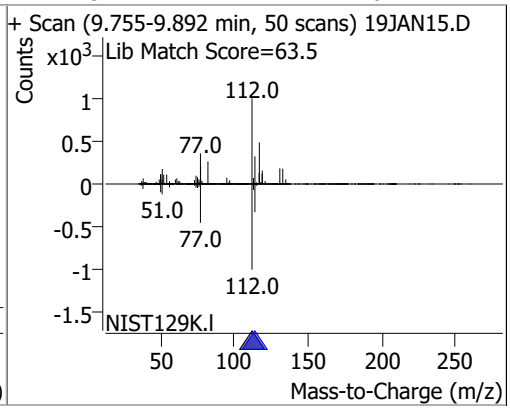




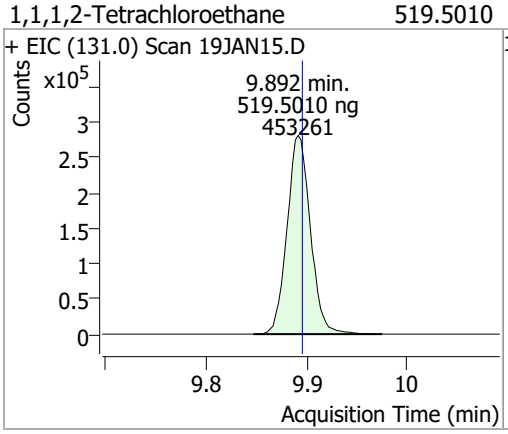
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	522.0725	9.80	0.00	1298233	114.0	32.4	2.2	62.2

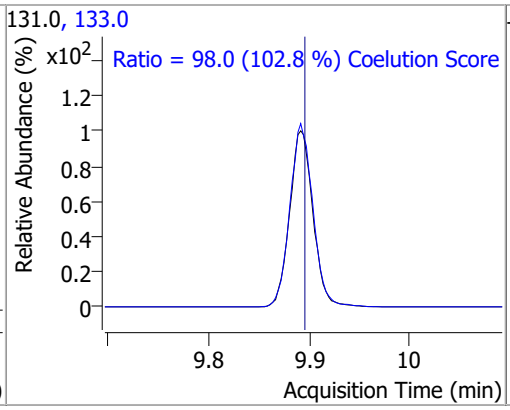


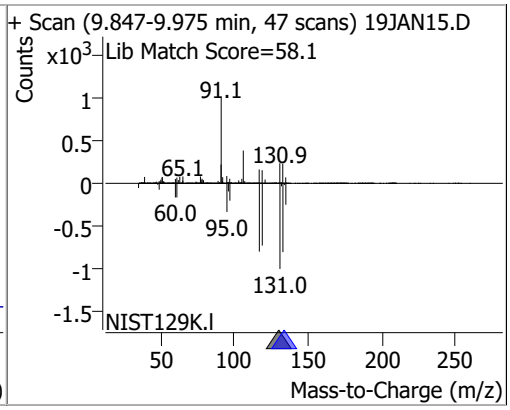




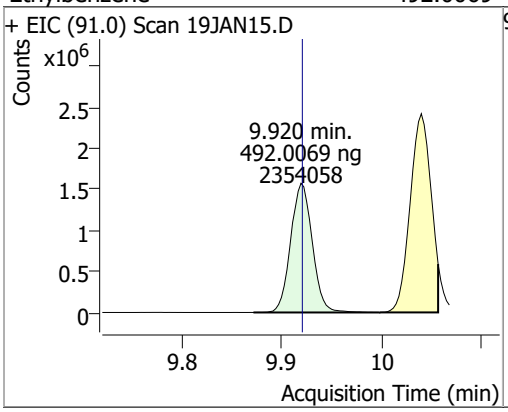
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	519.5010	9.89	0.00	453261	133.0	98.0	65.3	125.3

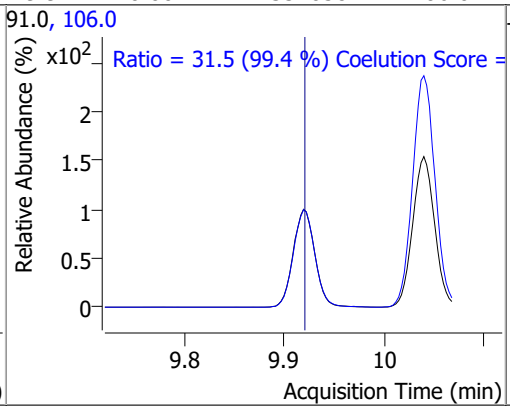


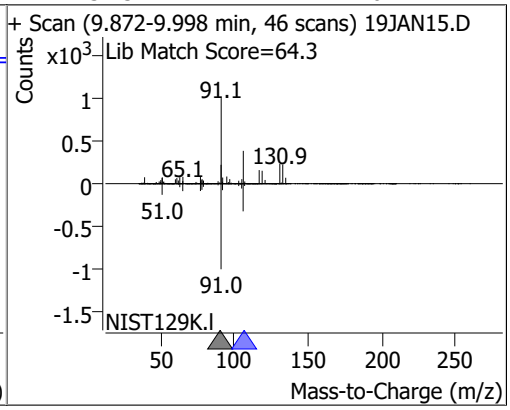




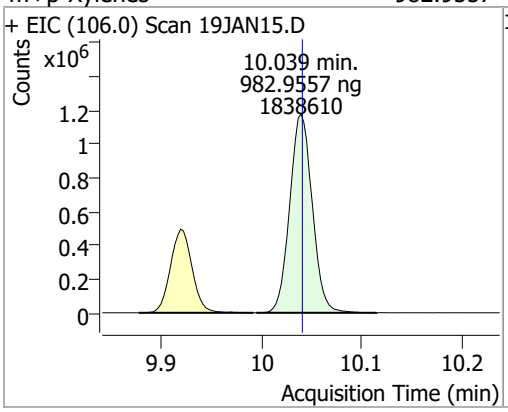
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	492.0069	9.92	0.00	2354058	106.0	31.5	1.7	61.7

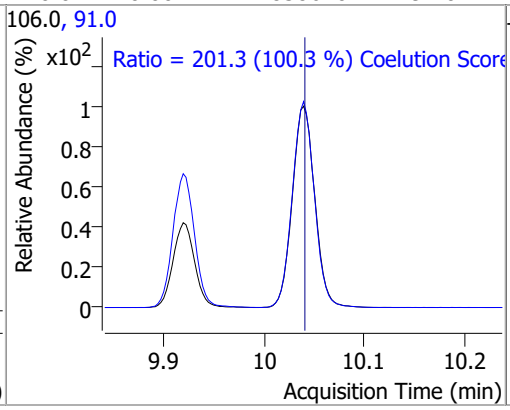


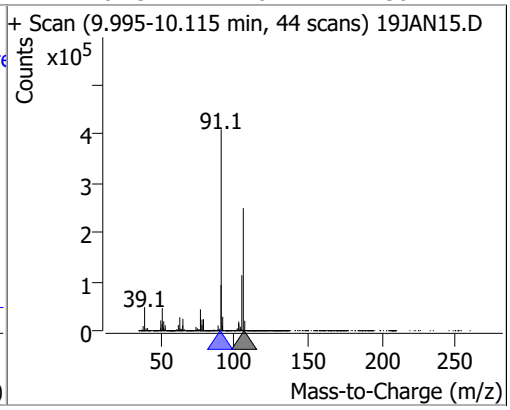




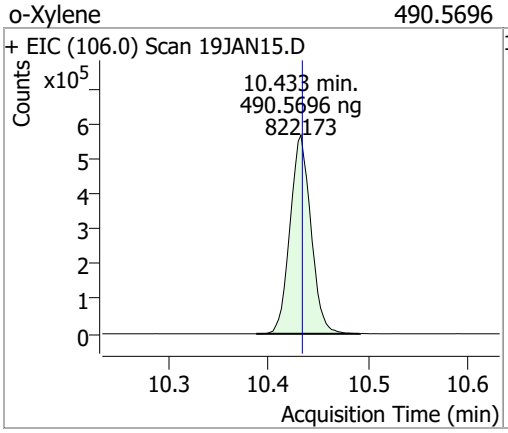
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	982.9557	10.04	0.00	1838610	91.0	201.3	170.7	230.7

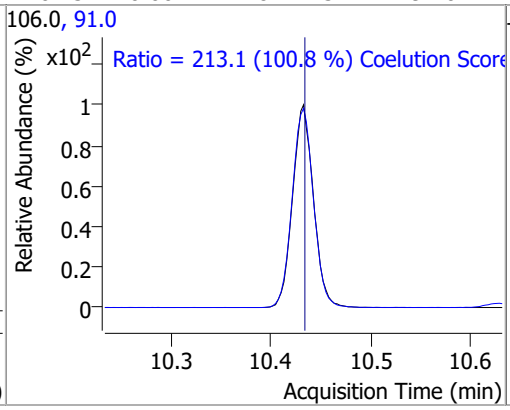


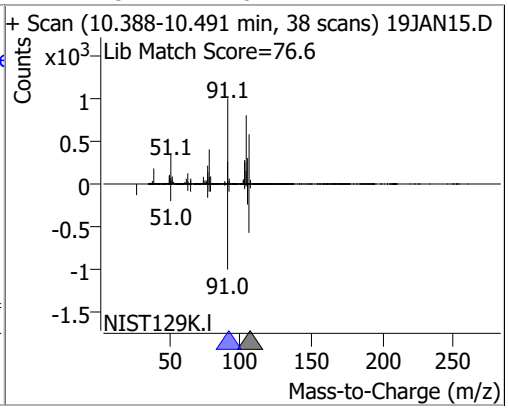




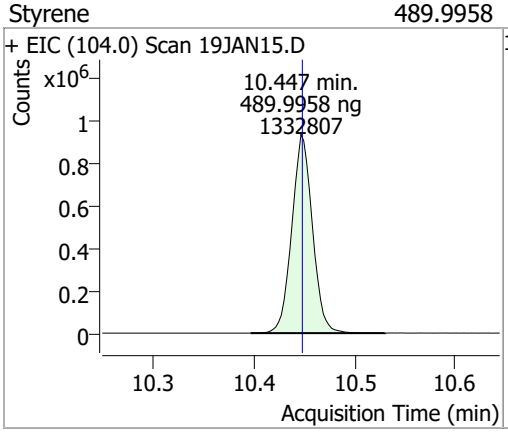
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	490.5696	10.43	0.00	822173	91.0	213.1	181.4	241.4

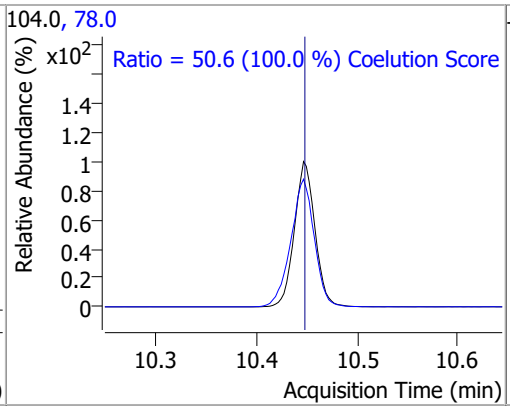


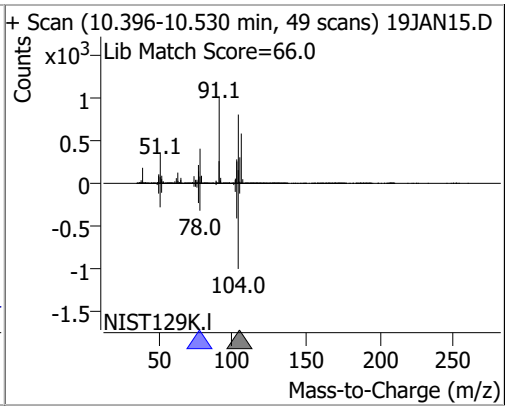




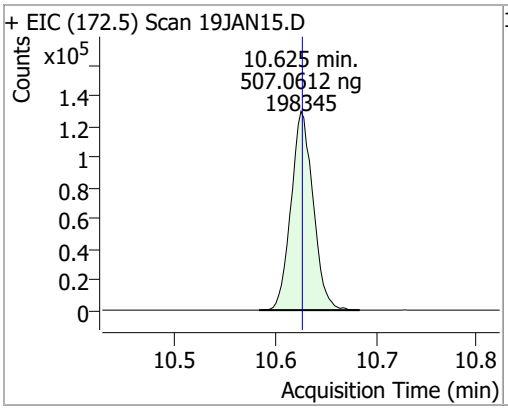
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	489.9958	10.45	0.00	1332807	78.0	50.6	20.6	80.6

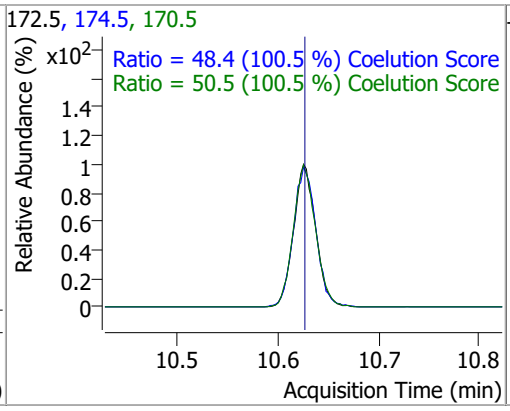


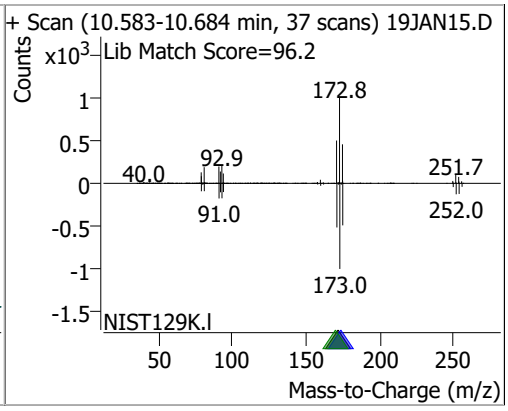




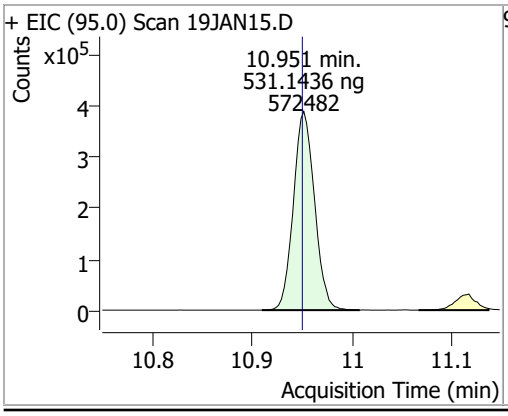
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	507.0612	10.63	0.00	198345	170.5	50.5	20.3	80.3
					174.5	48.4	18.1	78.1

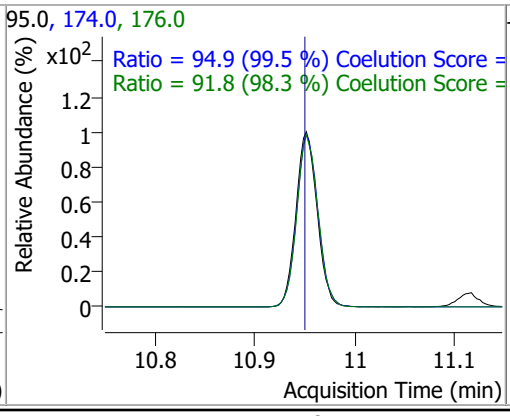


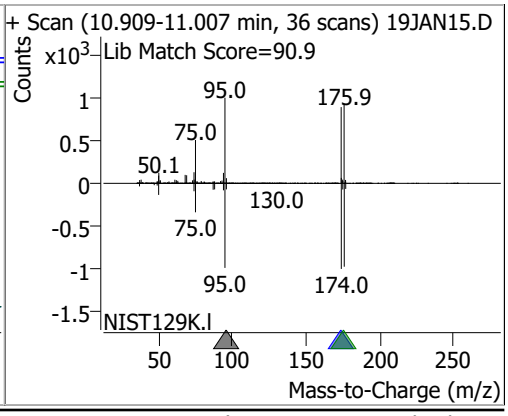




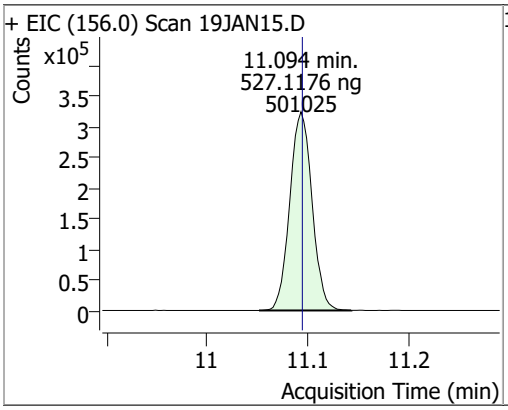
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	531.1436	10.95	0.00	572482	174.0	94.9	65.3	125.3
					176.0	91.8	63.3	123.3

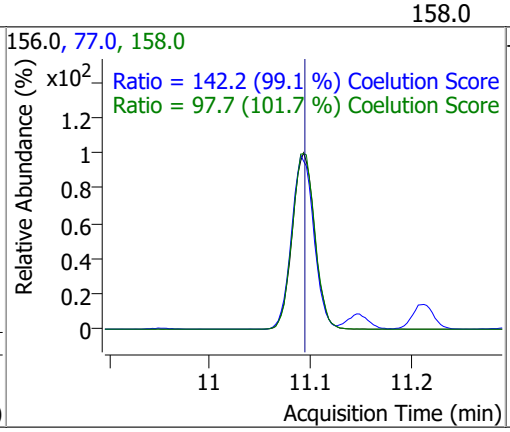


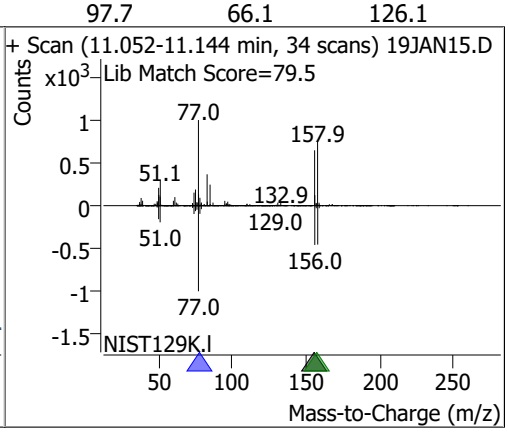




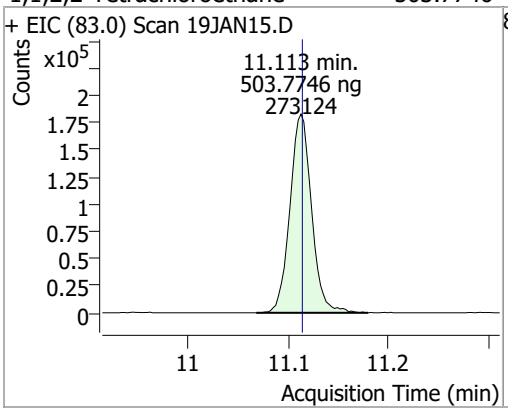
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	527.1176	11.09	0.00	501025	77.0	142.2	113.5	173.5
					158.0	97.7	66.1	126.1

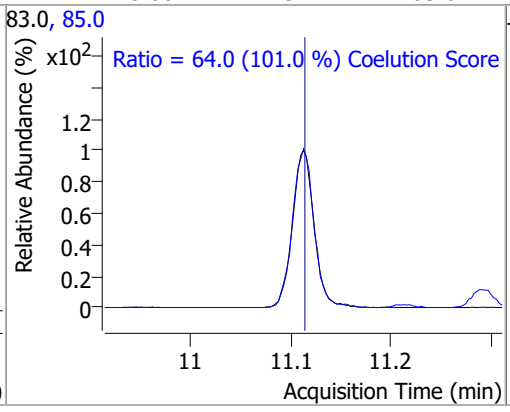


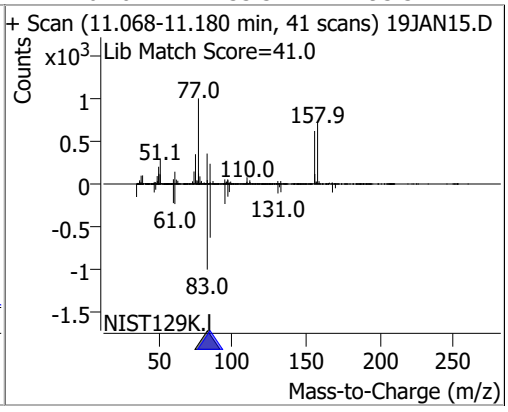




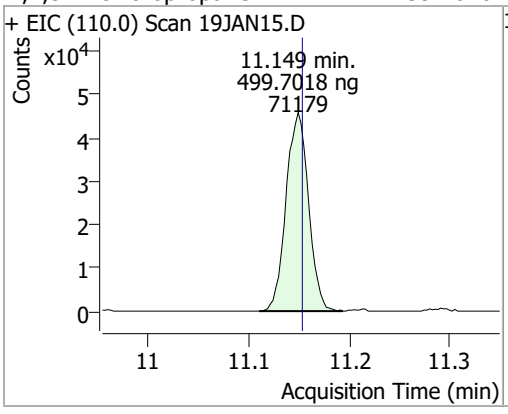
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	503.7746	11.11	0.00	273124	85.0	64.0	33.3	93.3

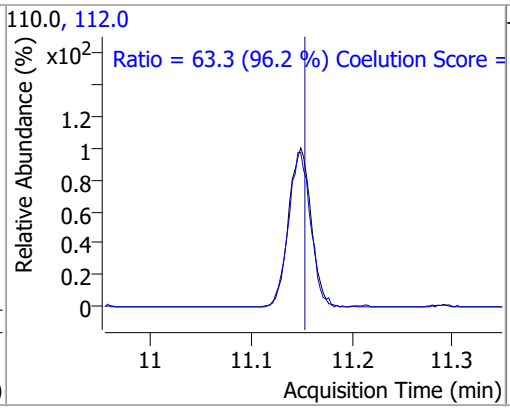


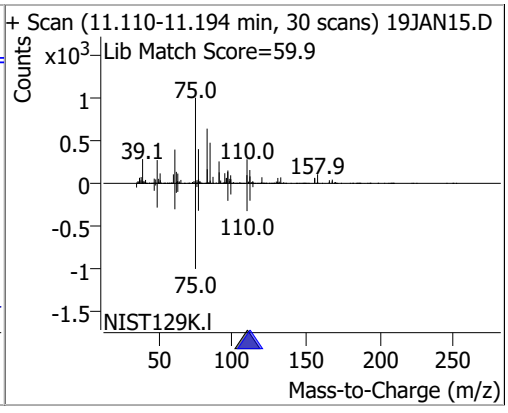




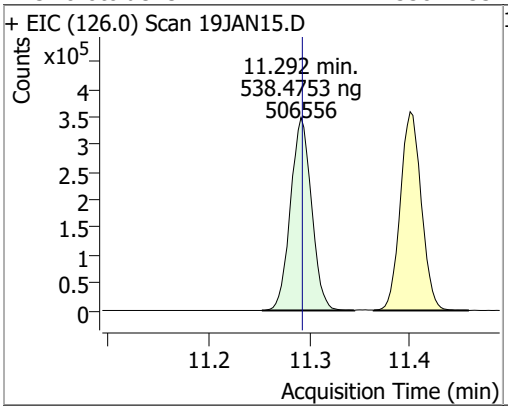
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	499.7018	11.15	0.00	71179	112.0	63.3	35.8	95.8

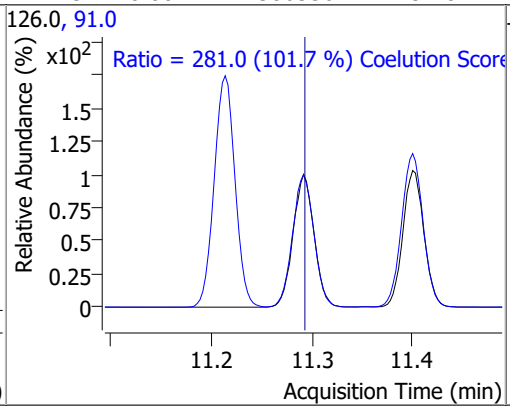


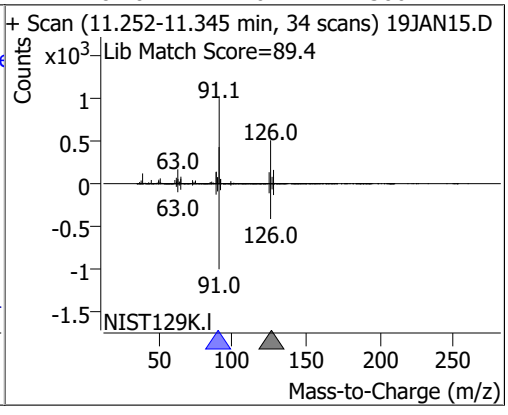




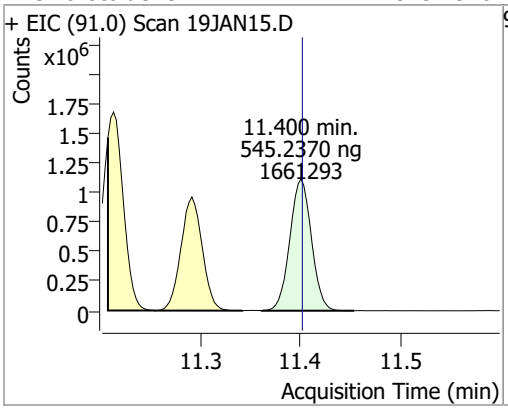
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	538.4753	11.29	0.00	506556	91.0	281.0	246.2	306.2

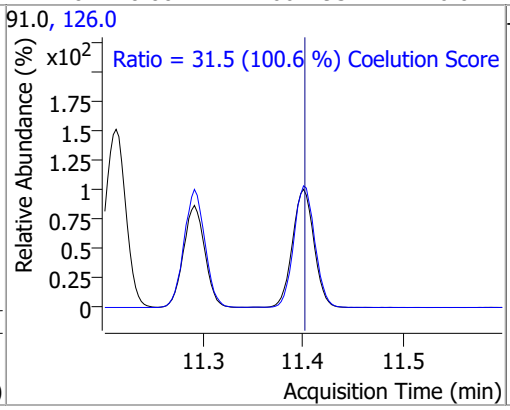


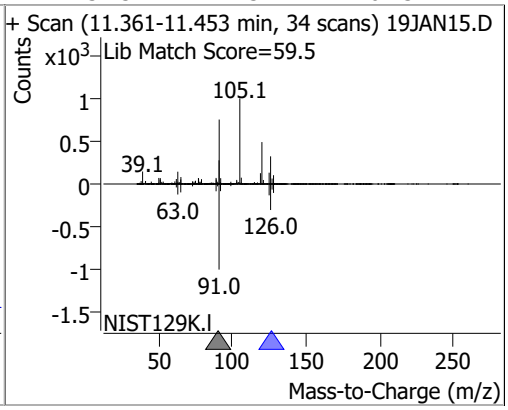




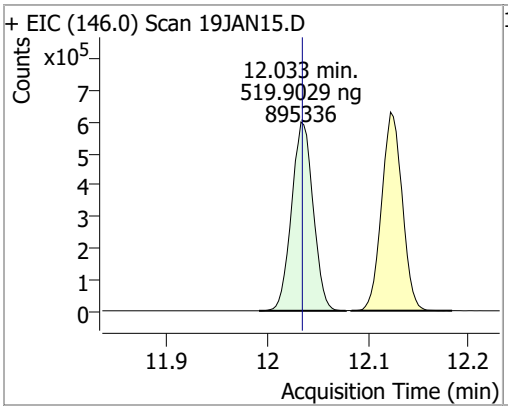
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	545.2370	11.40	0.00	1661293	126.0	31.5	1.3	61.3

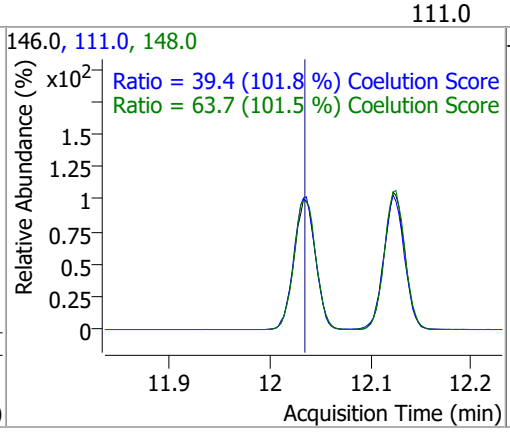


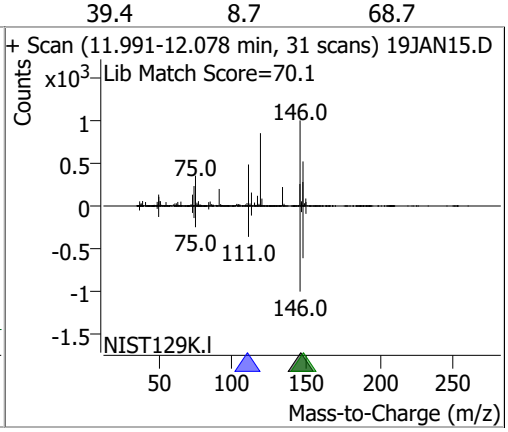




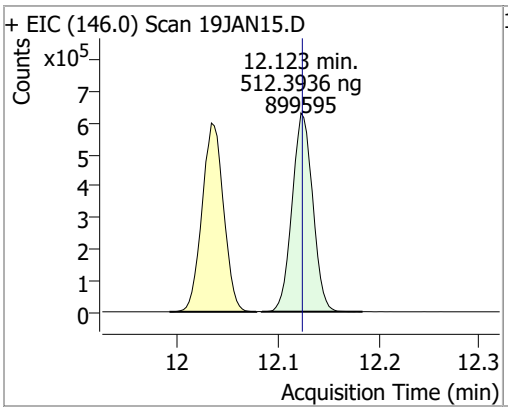
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	519.9029	12.03	0.00	895336	148.0	63.7	32.8	92.8
					111.0	39.4	8.7	68.7

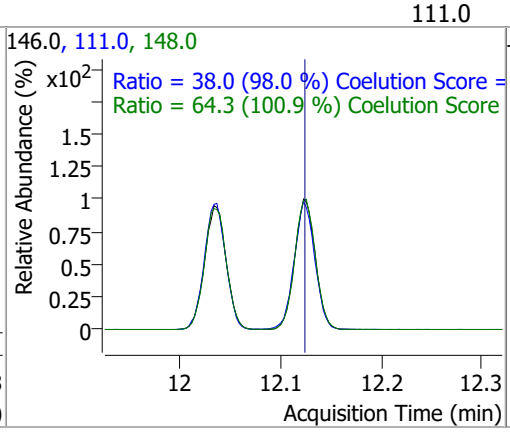


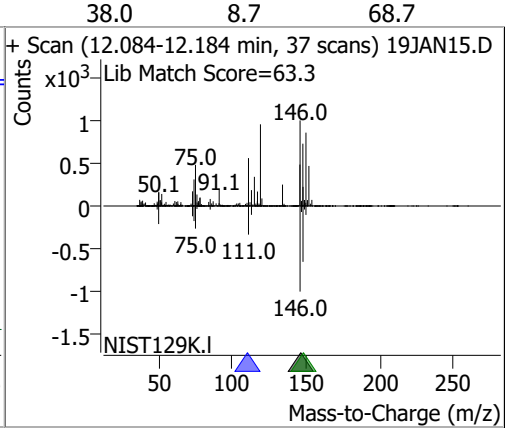




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	512.3936	12.12	0.00	899595	148.0	64.3	33.7	93.7
					111.0	38.0	8.7	68.7

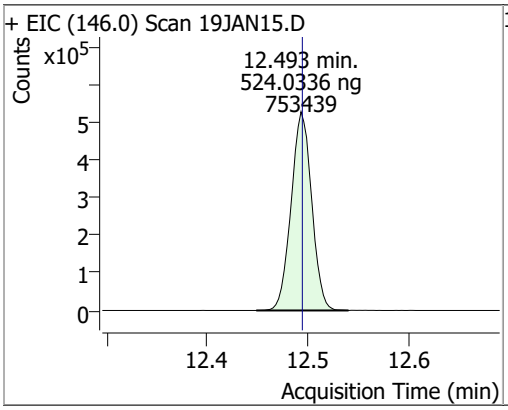


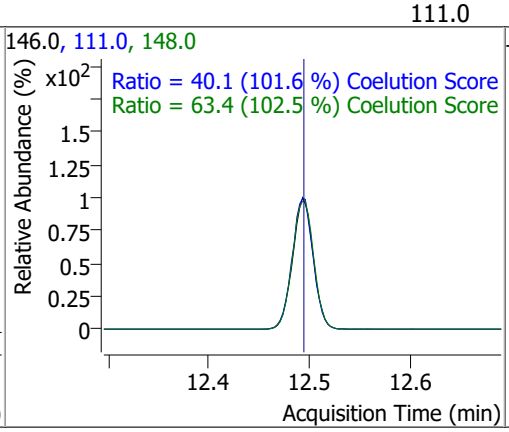


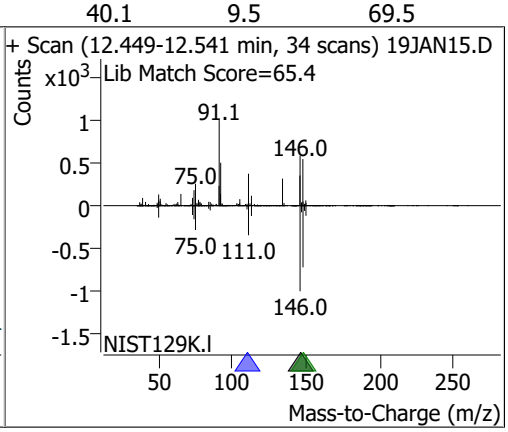


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	524.0336	12.49	0.00	753439	148.0	63.4	31.9	91.9
					111.0	40.1	9.5	69.5







Quantitation Results Report (QT Reviewed)

Data File	19JAN17.D	Operator	MSC
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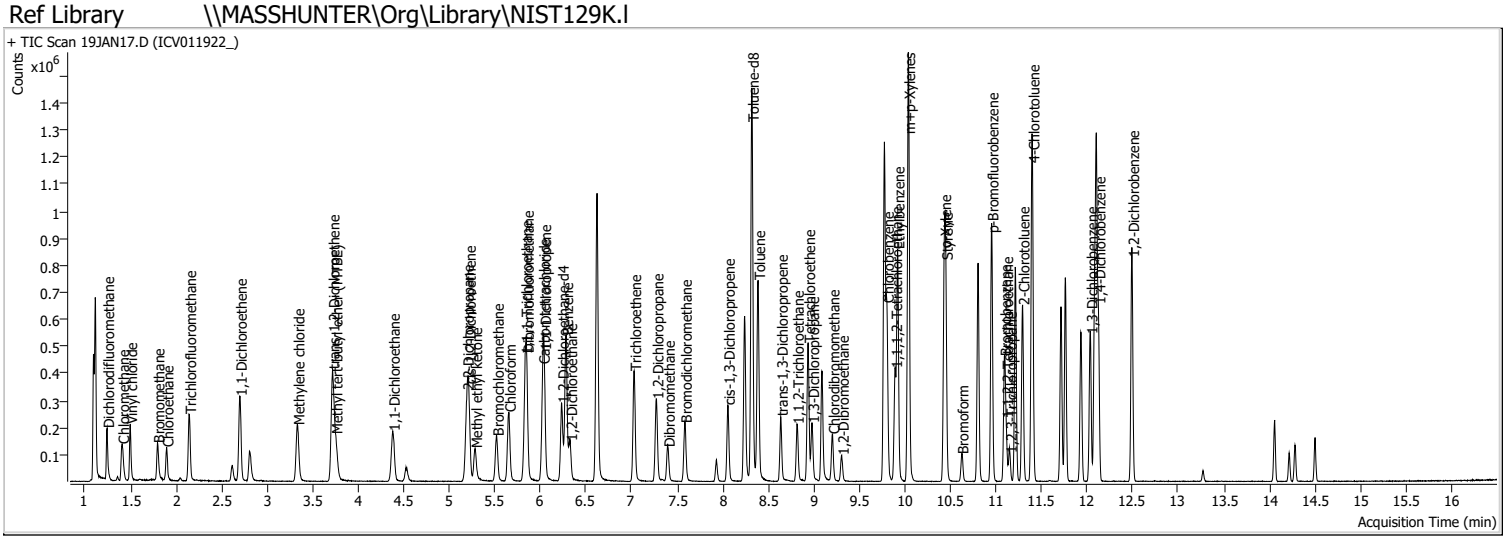
Sample Name	ICV011922_	Instrument	VOA5975C
Vial	17	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG011922_8260B.batch.bin	Last Calib Update	1/20/2022 9:28:12 AM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

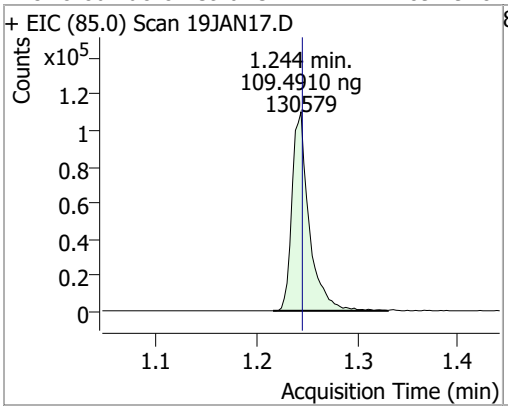


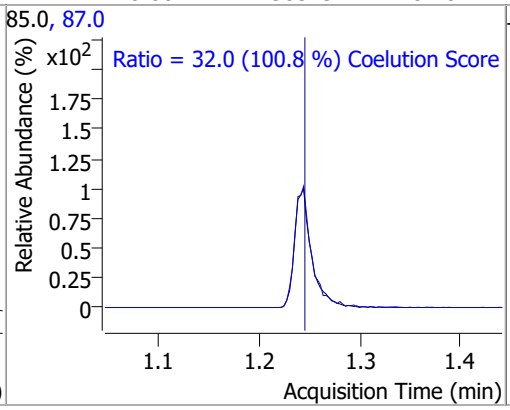
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M Fluorobenzene	6.621	96.0	886938	250.0000	ng	0.000
M Chlorobenzene-d5	9.774	82.0	337386	250.0000	ng	0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	283678	250.0000	ng	0.000
System Monitoring Compounds						
S Dibromofluoromethane	5.848	113.0	198103	230.6011	ng	-0.003
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 92.24%		
S 1,2-Dichloroethane-d4	6.233	67.0	100187	269.9755	ng	0.003
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 107.99%		
S Toluene-d8	8.319	98.0	896928	272.4962	ng	0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 109.00%		
S p-Bromofluorobenzene	10.948	95.0	270628	258.3795	ng	0.000
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 103.35%		
Target Compounds						QValue
T Dichlorodifluoromethane	1.244	85.0	130579	109.4910	ng	100
T Chloromethane	1.409	50.0	151864	108.1592	ng	100
T Vinyl chloride	1.498	62.0	147423	115.3506	ng	100
T Bromomethane	1.796	96.0	69568	125.4753	ng	96
T Chloroethane	1.897	64.0	77755	128.5925	ng	98
T Trichlorofluoromethane	2.145	101.0	172504	112.5600	ng	98
T 1,1-Dichloroethene	2.700	96.0	113673	127.4734	ng	98
T Methylene chloride	3.333	49.0	152883	117.9185	ng	99
T trans-1,2-Dichloroethene	3.718	96.0	115302	125.1632	ng	98
T Methyl tert-butyl ether (MTBE)	3.751	73.0	150210	130.4584	ng	99
T 1,1-Dichloroethane	4.378	63.0	218409	126.6815	ng	98
T 2,2-Dichloropropane	5.193	77.0	169689	130.6017	ng	95
T cis-1,2-Dichloroethene	5.212	96.0	118223	126.7481	ng	97
T Methyl ethyl ketone	5.282	43.0	160409	1190.0139	ng	98
T Bromochloromethane	5.519	128.0	45441	118.1582	ng	93
T Chloroform	5.653	83.0	199758	116.0406	ng	99

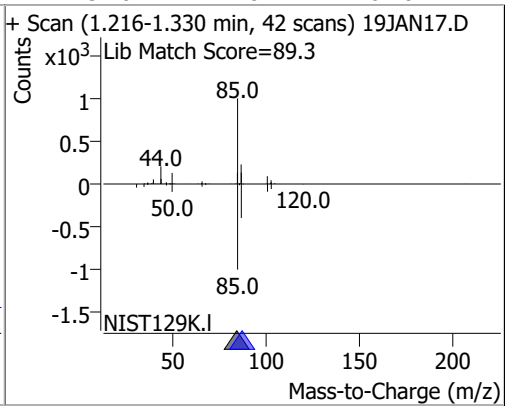
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	5.831	97.0	195526	123.1032	ng	98
T Carbon tetrachloride	6.024	117.0	187895	121.9742	ng	99
T 1,1-Dichloropropene	6.040	75.0	158033	122.6990	ng	99
T Benzene	6.280	78.0	442173	124.7960	ng	100
T 1,2-Dichloroethane	6.325	62.0	110579	112.9931	ng	99
T Trichloroethene	7.028	95.0	128332	127.0550	ng	96
T 1,2-Dichloropropane	7.273	63.0	111240	125.2628	ng	98
T Dibromomethane	7.399	93.0	44818	119.7325	ng	97
T Bromodichloromethane	7.583	83.0	131590	125.0178	ng	98
T cis-1,3-Dichloropropene	8.057	75.0	139981	121.1938	ng	99
T Toluene	8.389	92.0	277703	126.5738	ng	97
T trans-1,3-Dichloropropene	8.637	75.0	105873	125.6654	ng	97
T 1,1,2-Trichloroethane	8.815	83.0	52407	122.3326	ng	95
T Tetrachloroethene	8.938	163.8	112100	126.0005	ng	100
T 1,3-Dichloropropane	8.980	76.0	99920	115.2581	ng	98
T Chlorodibromomethane	9.206	129.0	81909	118.7188	ng	99
T 1,2-Dibromoethane	9.306	107.0	58586	123.8219	ng	98
T Chlorobenzene	9.802	112.0	307100	127.6842	ng	98
T 1,1,1,2-Tetrachloroethane	9.892	131.0	102231	121.1435	ng	99
T Ethylbenzene	9.919	91.0	535079	127.5512	ng	98
T m+p-Xylenes	10.037	106.0	413361	247.6085	ng	99
T o-Xylene	10.430	106.0	184033	125.9585	ng	98
T Styrene	10.449	104.0	306077	126.6563	ng	100
T Bromoform	10.622	172.5	45029	118.4586	ng	97
T Bromobenzene	11.091	156.0	118930	128.7582	ng	100
T 1,1,2,2-Tetrachloroethane	11.110	83.0	65177	123.7103	ng	100
T 1,2,3-Trichloropropane	11.152	110.0	16507	119.2511	ng	99
T 2-Chlorotoluene	11.291	126.0	117036	128.0245	ng	96
T 4-Chlorotoluene	11.400	91.0	395846	133.6905	ng	99
T 1,3-Dichlorobenzene	12.036	146.0	214054	127.9071	ng	98
T 1,4-Dichlorobenzene	12.122	146.0	216533	126.9159	ng	100
T 1,2-Dichlorobenzene	12.493	146.0	177148	126.7893	ng	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

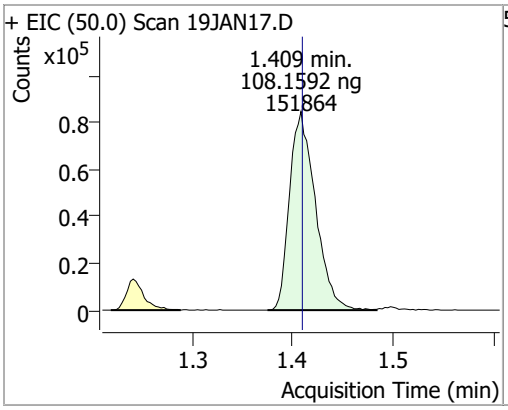
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	109.4910	1.24	0.00	130579	87.0	32.0	1.8	61.8

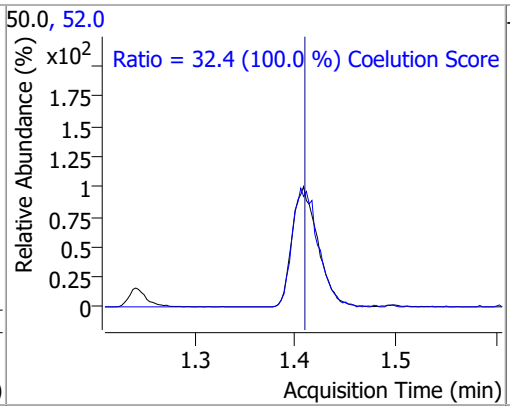


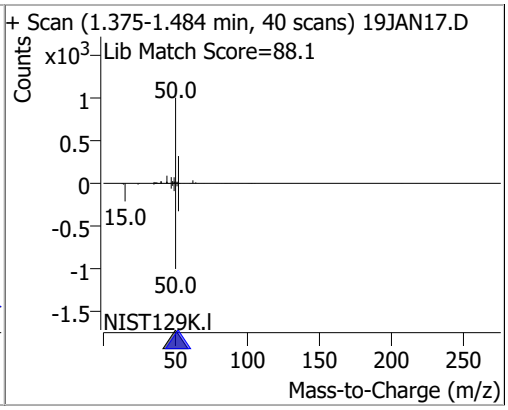




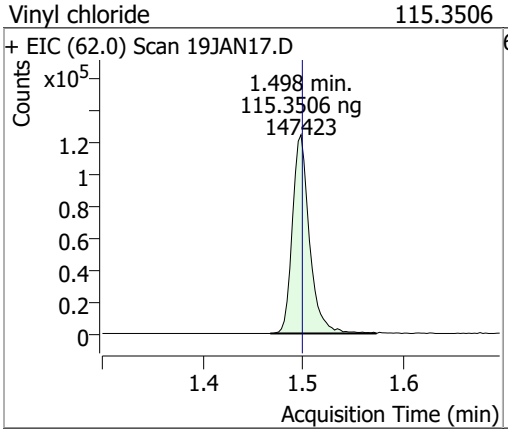
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	108.1592	1.41	0.00	151864	52.0	32.4	2.4	62.4

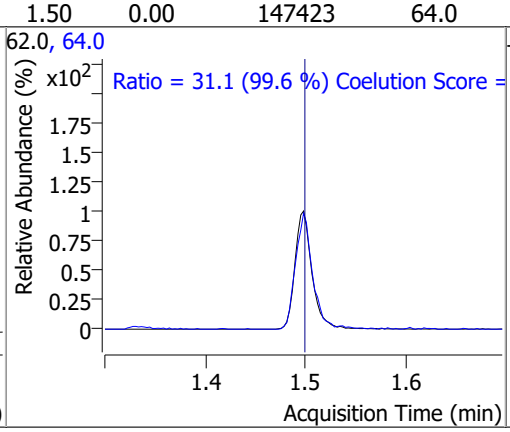


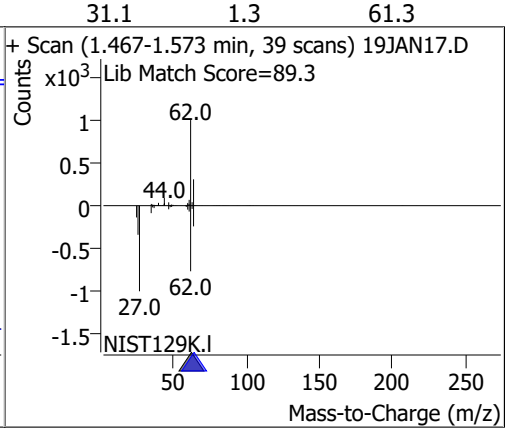




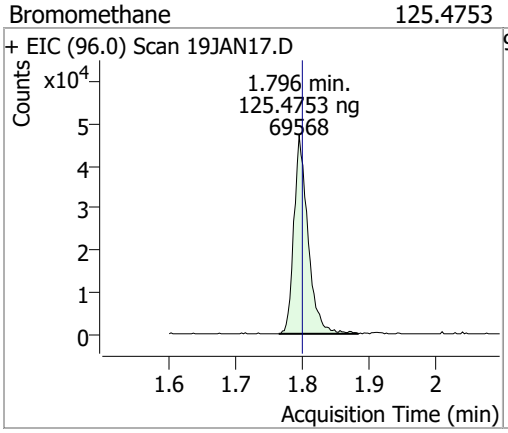
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	115.3506	1.50	0.00	147423	64.0	31.1	1.3	61.3

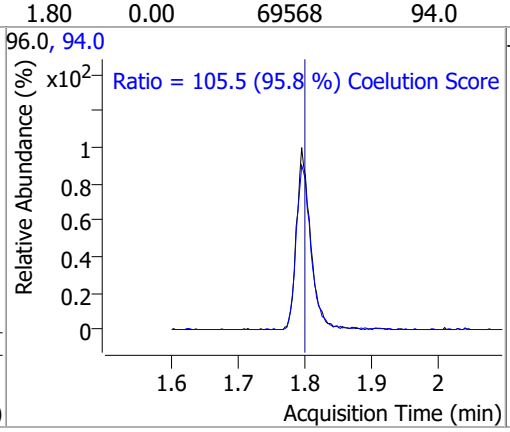


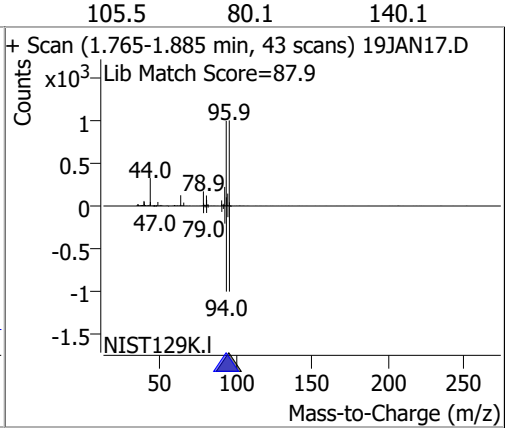




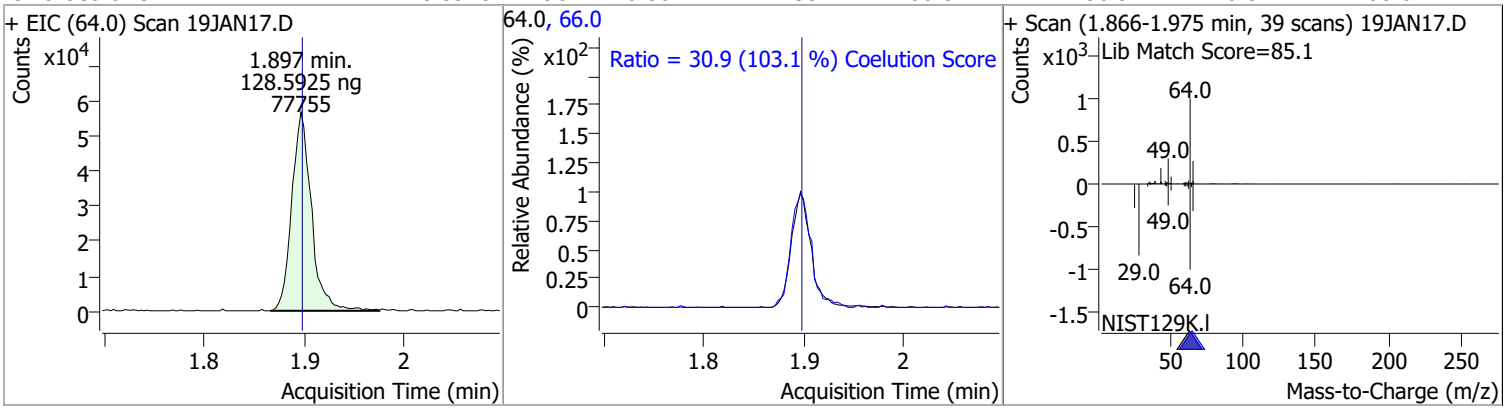
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	125.4753	1.80	0.00	69568	94.0	105.5	80.1	140.1



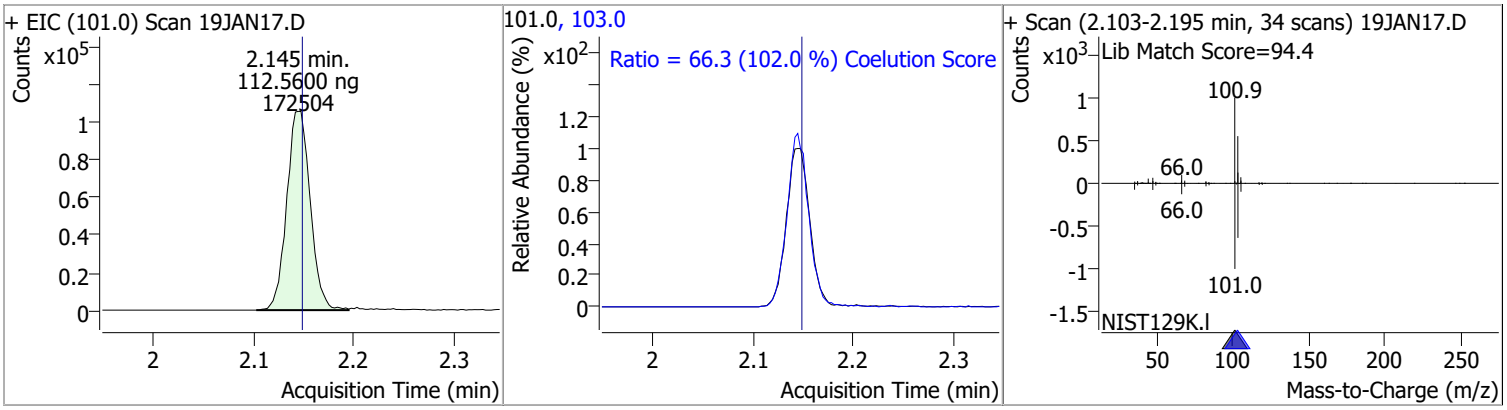




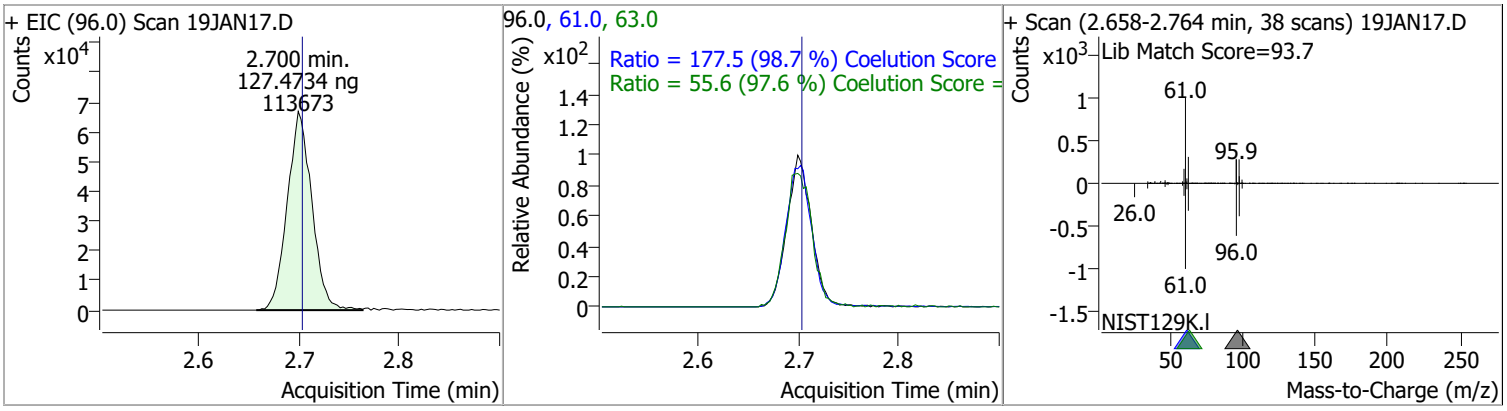
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	128.5925	1.90	0.00	77755	66.0	30.9	0.0	60.0



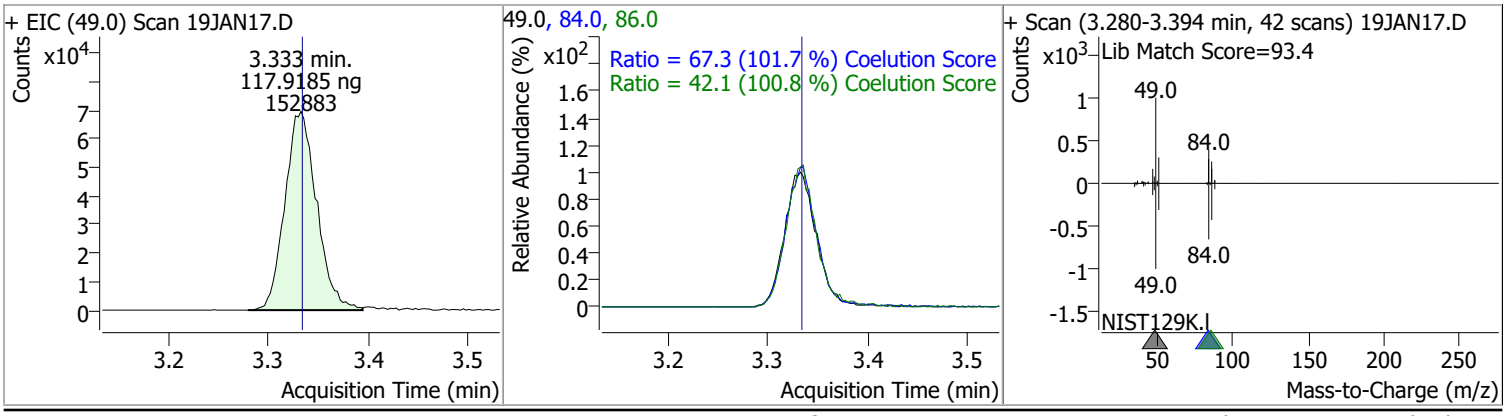
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	112.5600	2.14	0.00	172504	103.0	66.3	35.0	95.0



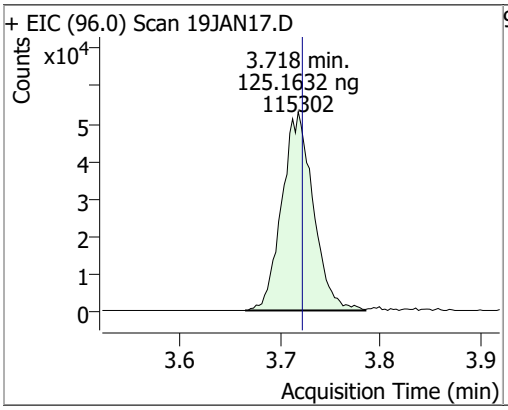
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	127.4734	2.70	0.00	113673	61.0	177.5	149.9	209.9
					63.0	55.6	27.0	87.0

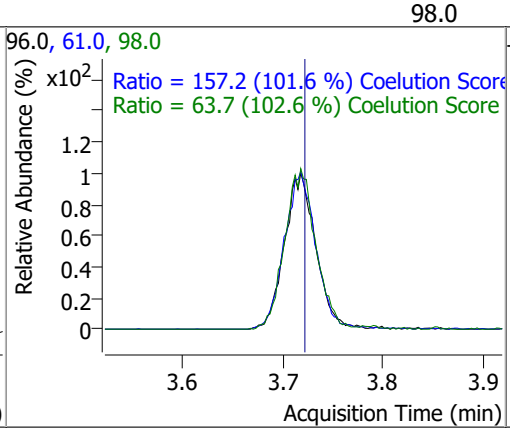


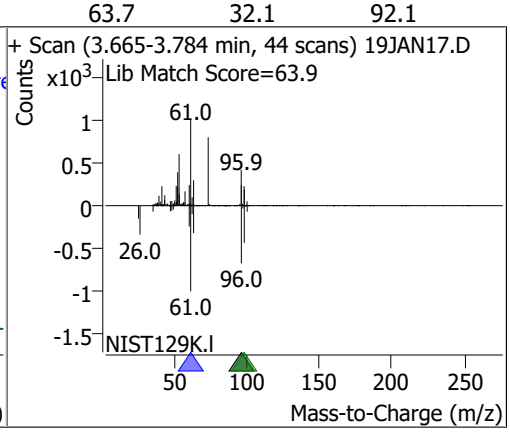
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	117.9185	3.33	0.00	152883	84.0	67.3	36.1	96.1
					86.0	42.1	11.8	71.8



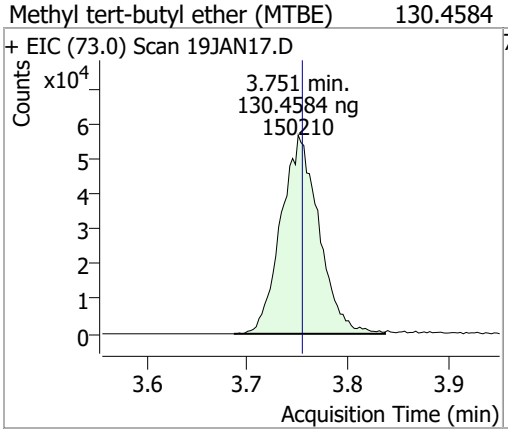
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	125.1632	3.72	0.00	115302	61.0	157.2	124.8	184.8
					98.0	63.7	32.1	92.1

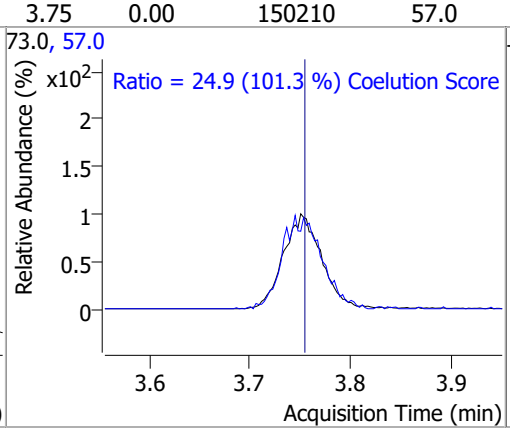


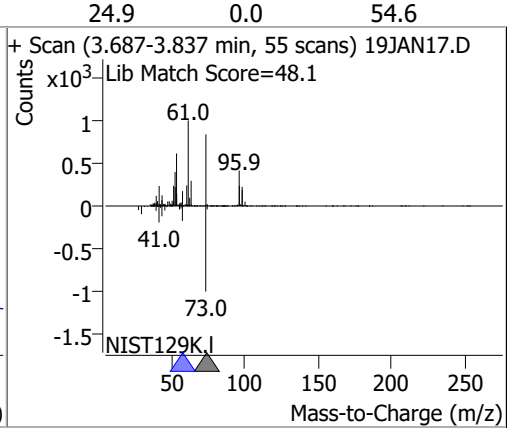




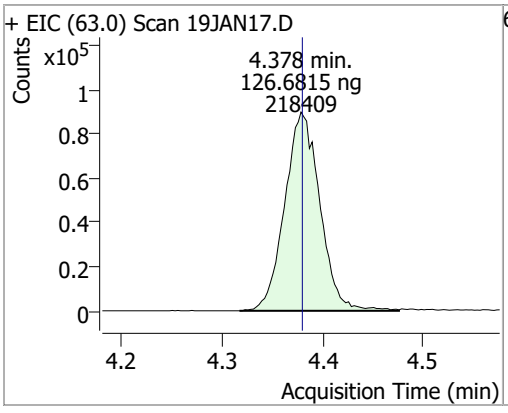
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	130.4584	3.75	0.00	150210	57.0	24.9	0.0	54.6

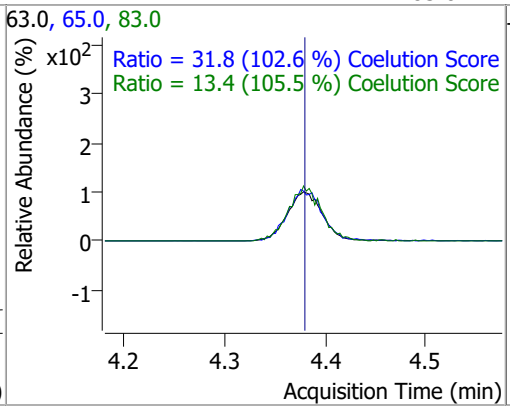


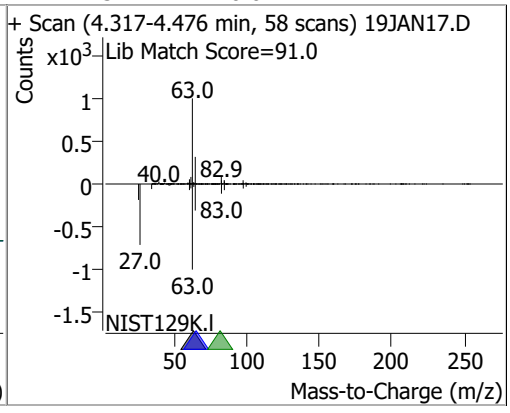




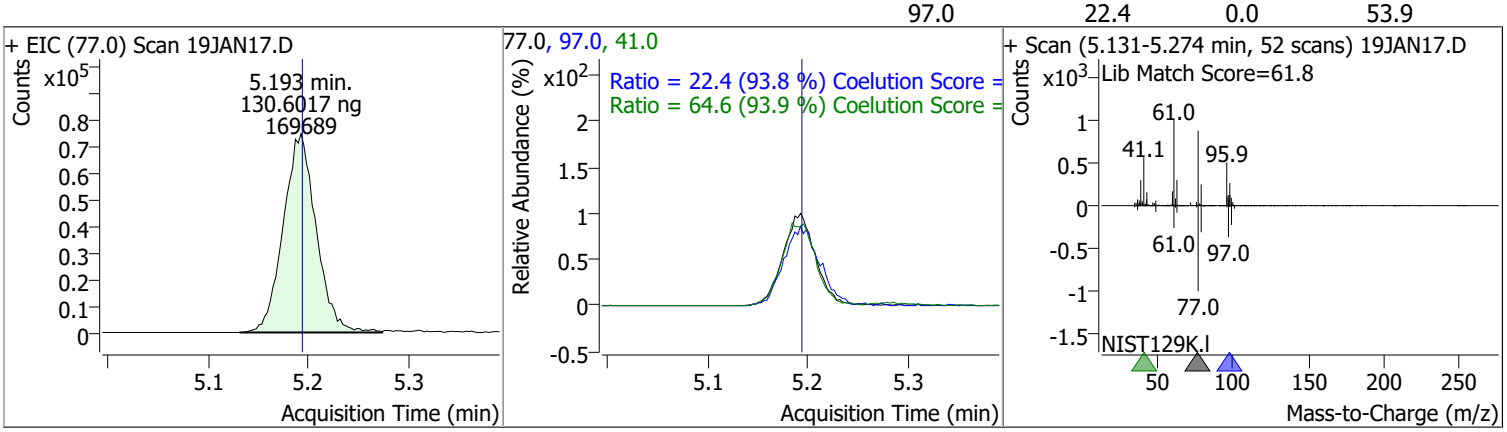
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	126.6815	4.38	0.00	218409	65.0	31.8	1.0	61.0
					83.0	13.4	0.0	42.7



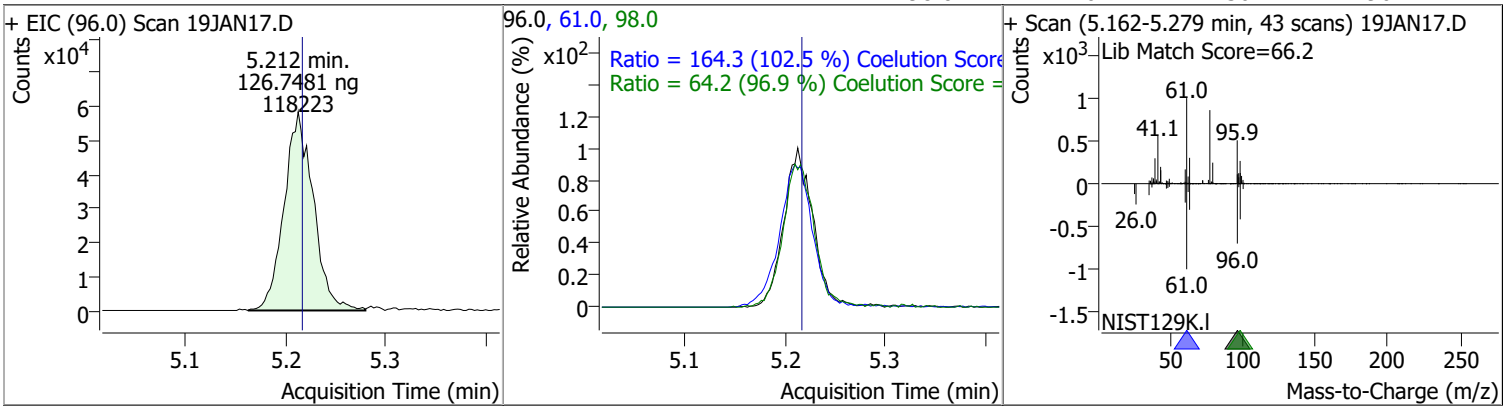




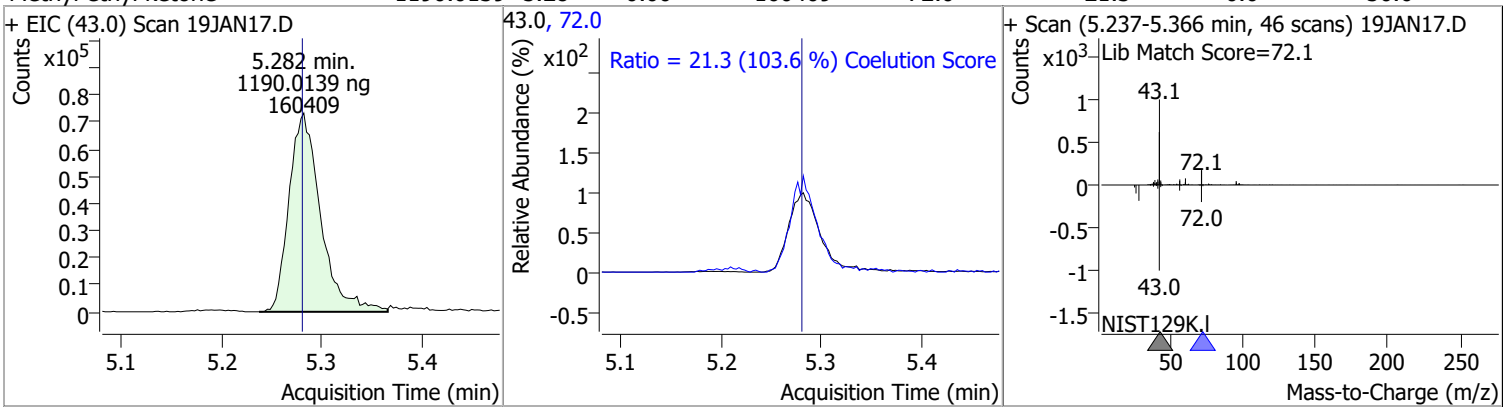
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	130.6017	5.19	0.00	169689	41.0	64.6	38.8	98.8
					97.0	22.4	0.0	53.9



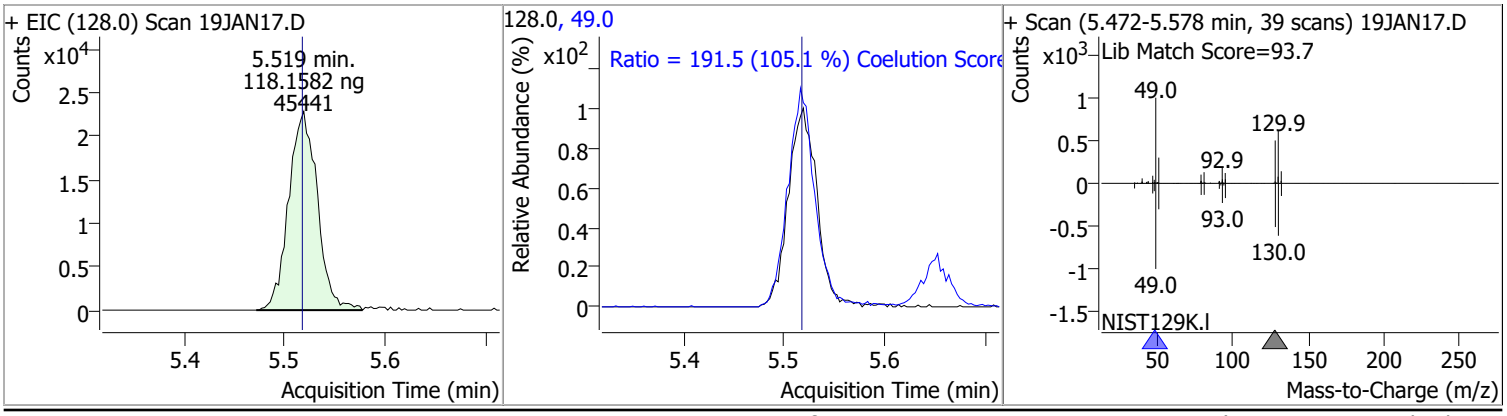
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	126.7481	5.21	0.00	118223	61.0	164.3	130.4	190.4
					98.0	64.2	36.2	96.2



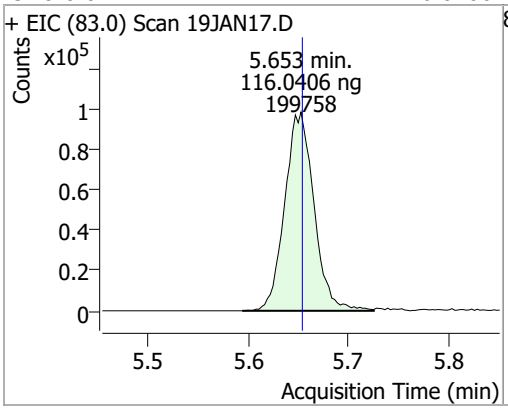
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	1190.0139	5.28	0.00	160409	72.0	21.3	0.0	50.6

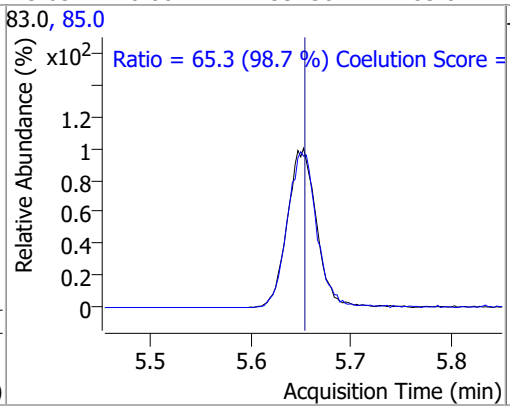


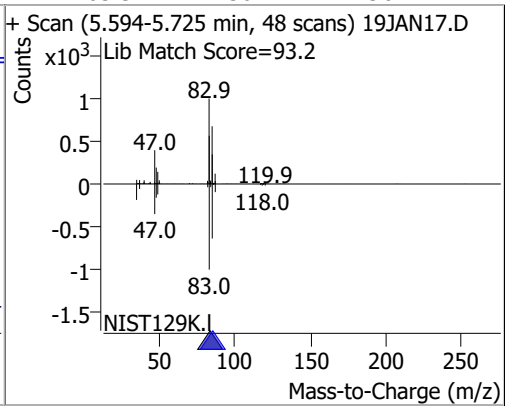
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	118.1582	5.52	0.00	45441	49.0	191.5	152.2	212.2



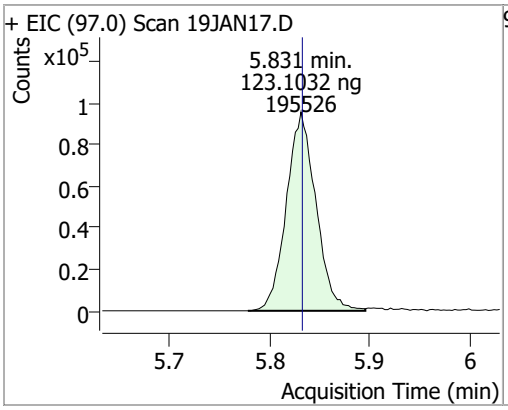
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	116.0406	5.65	0.00	199758	85.0	65.3	36.2	96.2

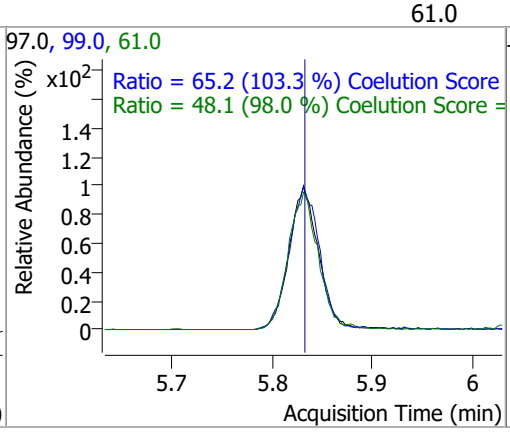


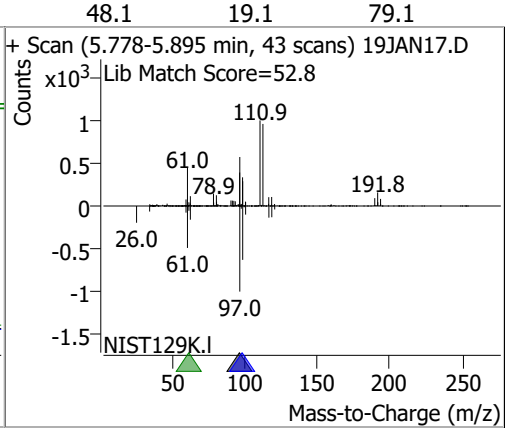




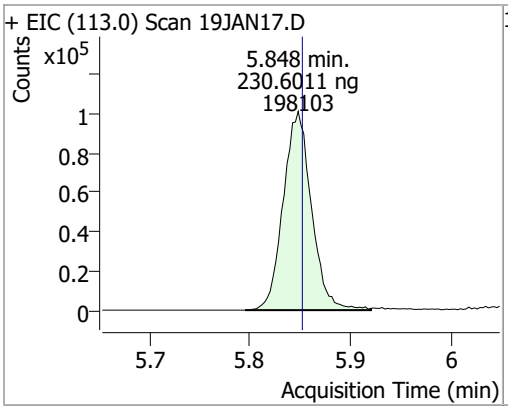
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	123.1032	5.83	0.00	195526	99.0	65.2	33.1	93.1
					61.0	48.1	19.1	79.1

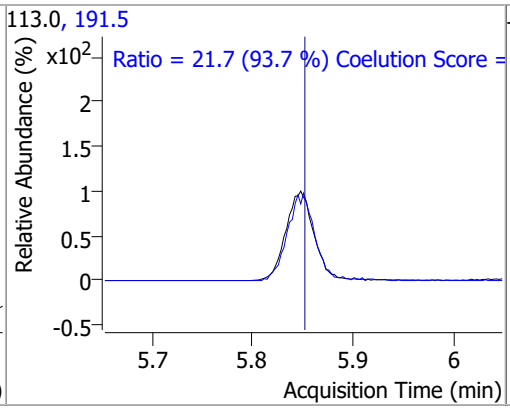


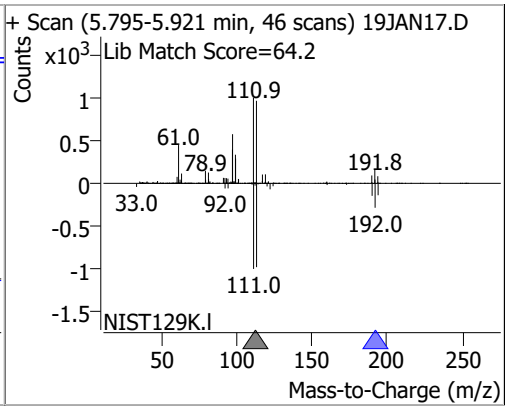




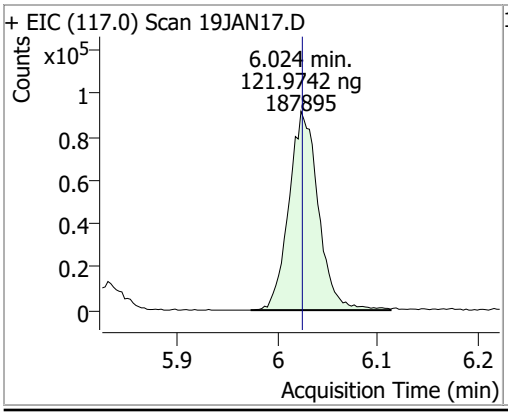
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	230.6011	5.85	0.00	198103	191.5	21.7	0.0	53.2

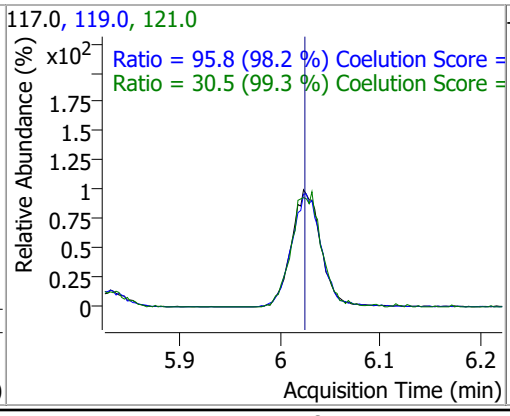


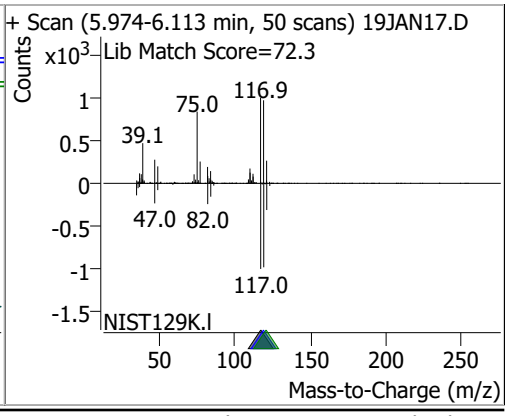




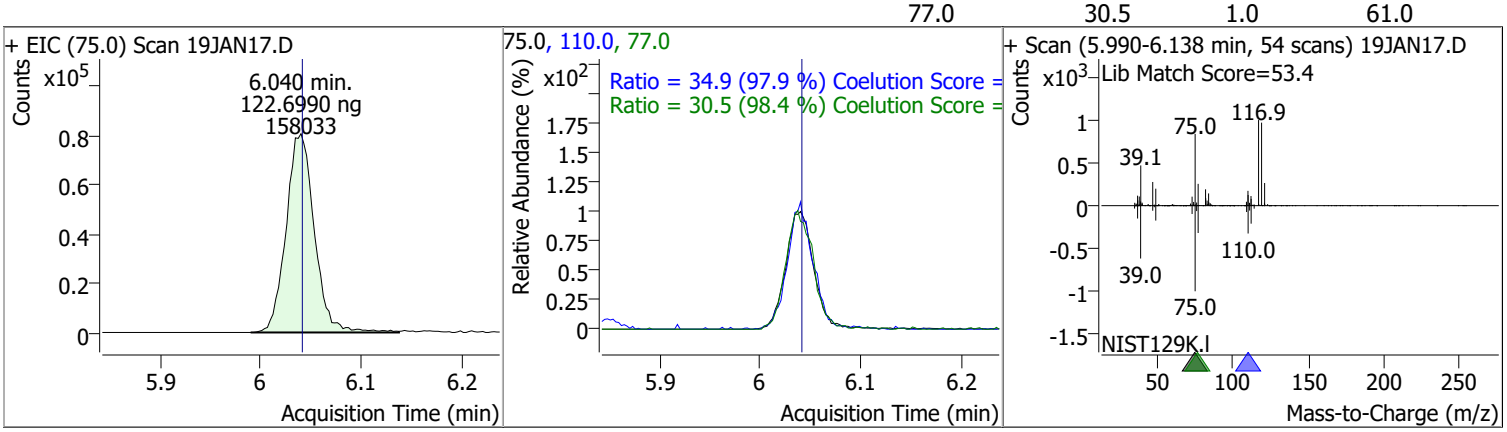
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	121.9742	6.02	0.00	187895	119.0	95.8	67.6	127.6
					121.0	30.5	0.7	60.7



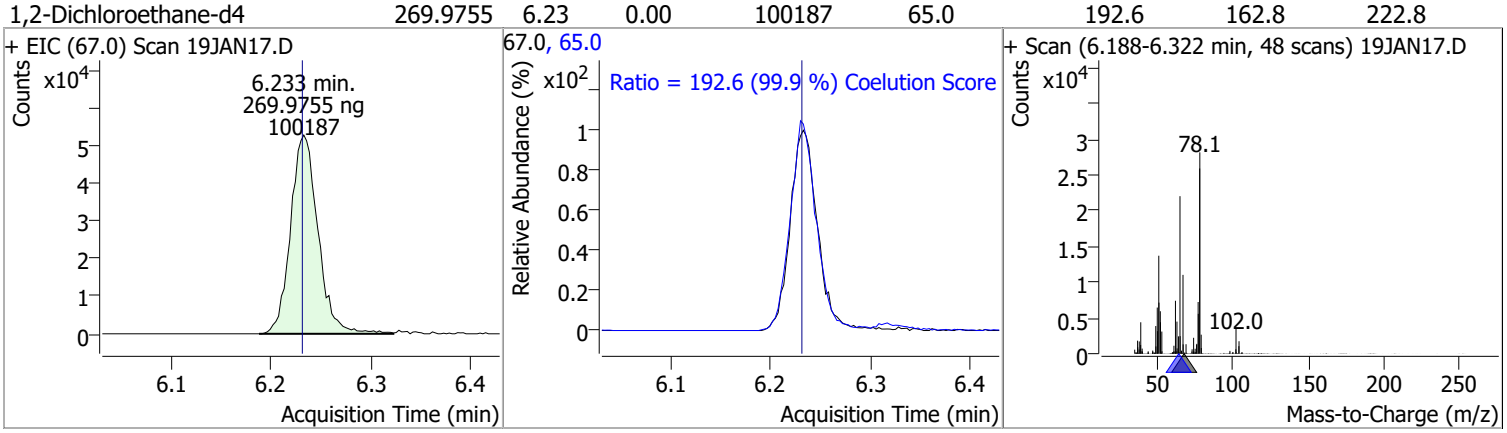




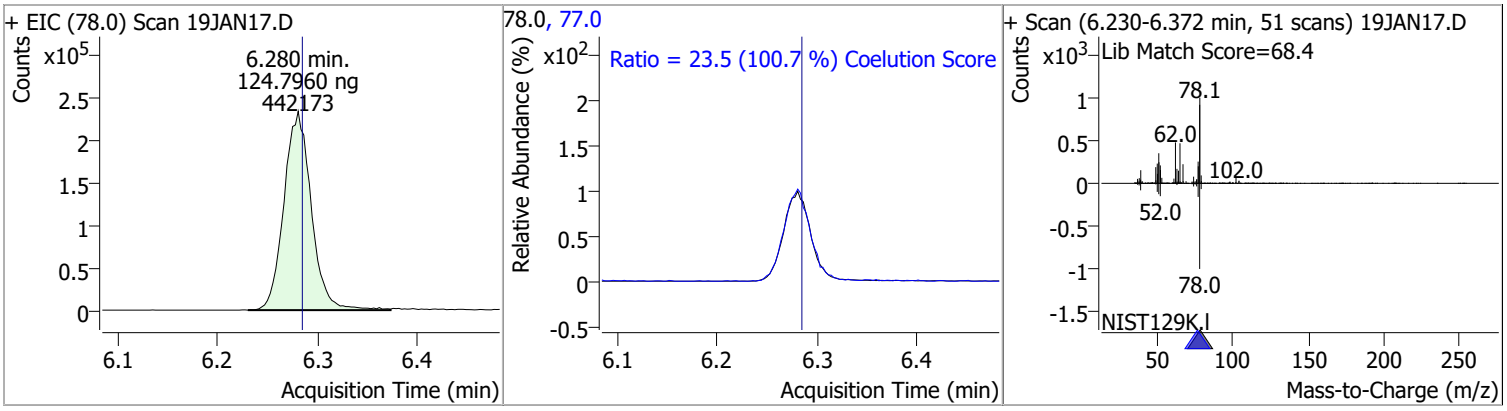
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	122.6990	6.04	0.00	158033	110.0	34.9	5.6	65.6
					77.0	30.5	1.0	61.0



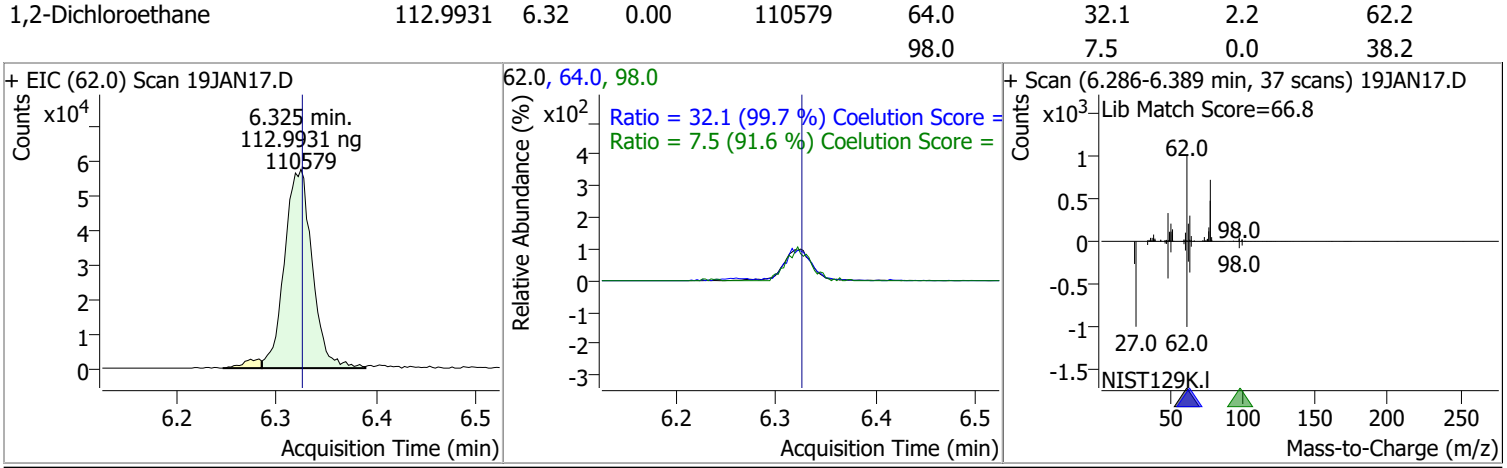
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	269.9755	6.23	0.00	100187	65.0	192.6	162.8	222.8



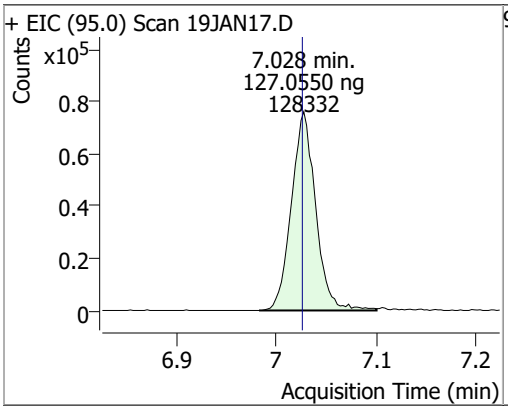
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	124.7960	6.28	0.00	442173	77.0	23.5	0.0	53.3

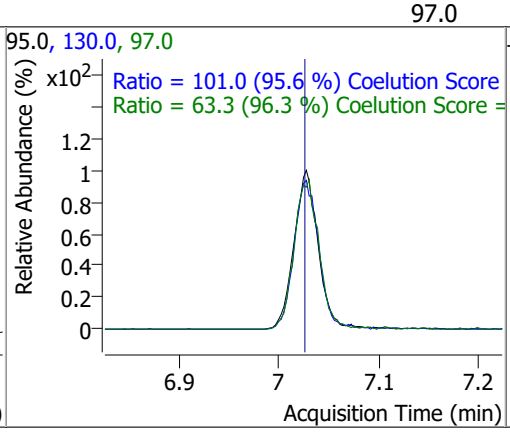


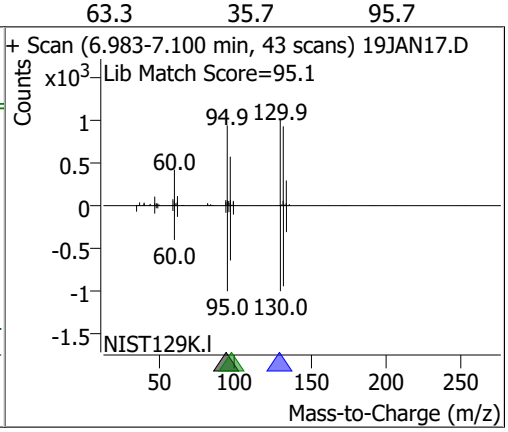
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	112.9931	6.32	0.00	110579	64.0	32.1	2.2	62.2
					98.0	7.5	0.0	38.2



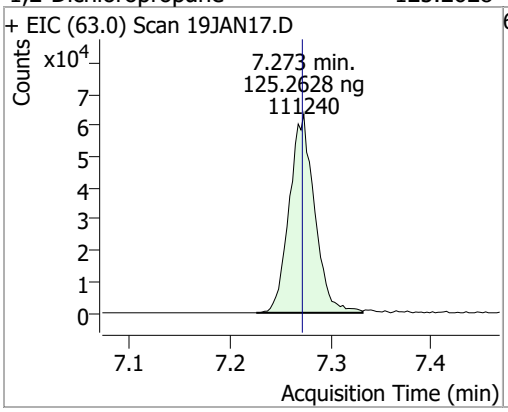
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	127.0550	7.03	0.00	128332	130.0	101.0	75.6	135.6
					97.0	63.3	35.7	95.7

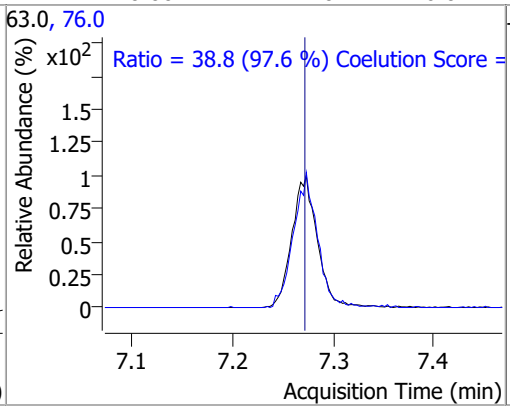


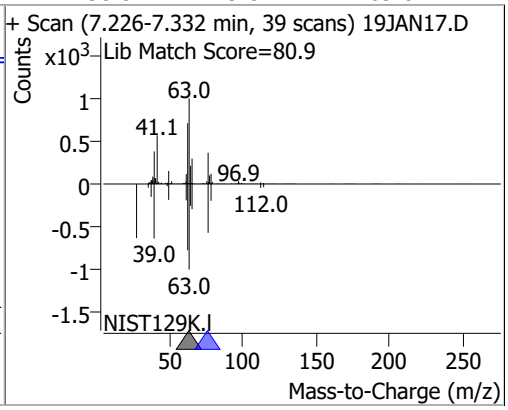




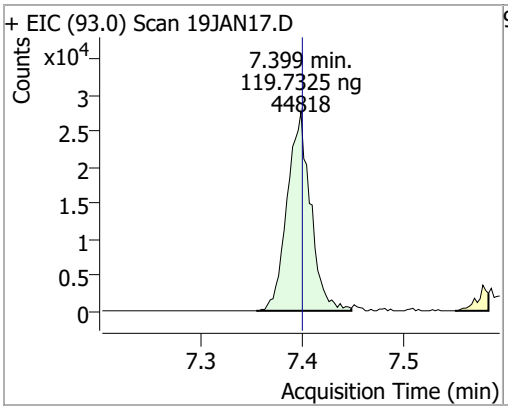
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	125.2628	7.27	0.00	111240	76.0	38.8	9.8	69.8

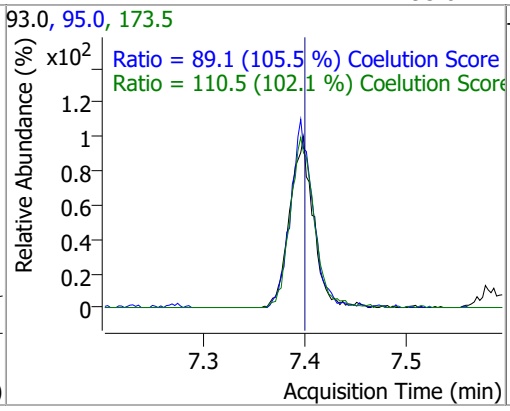


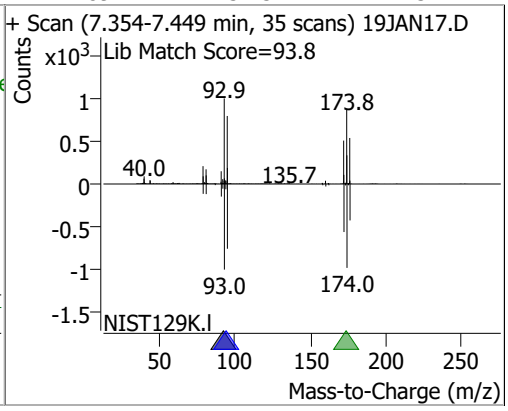




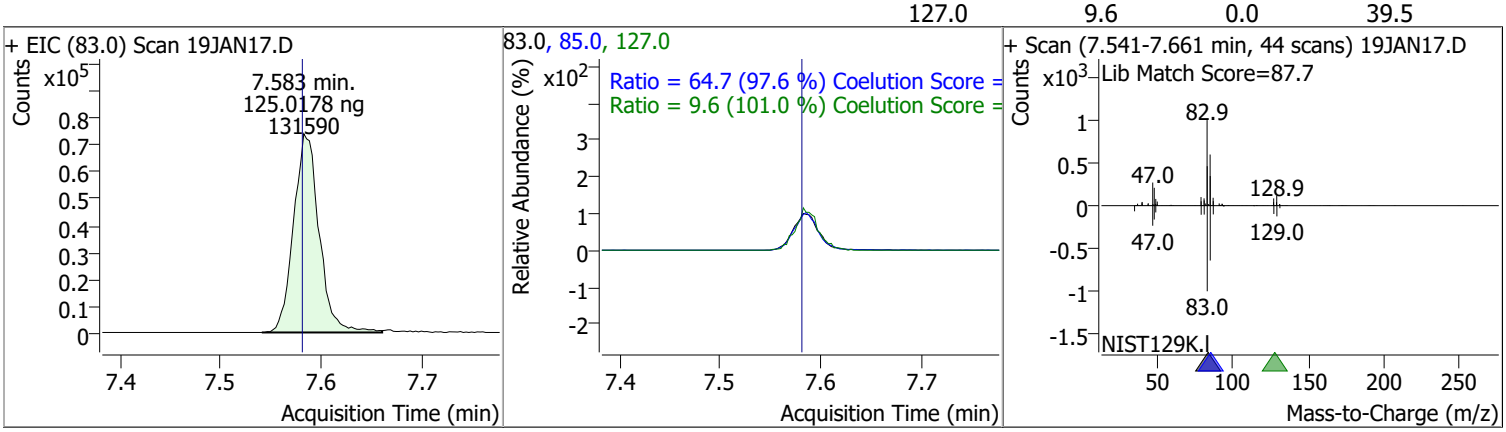
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	119.7325	7.40	0.00	44818	173.5	110.5	78.2	138.2
					95.0	89.1	54.5	114.5



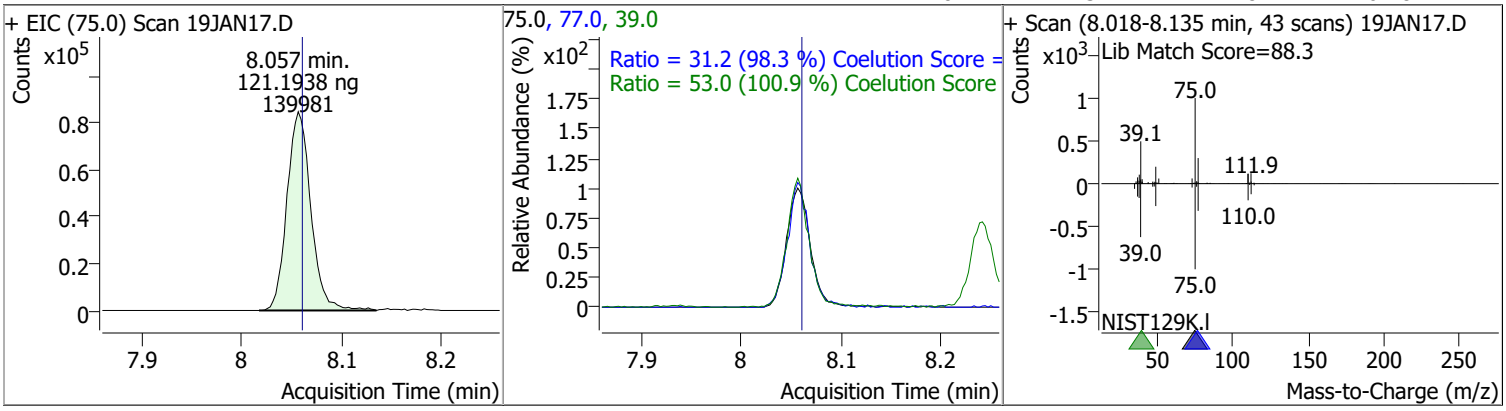




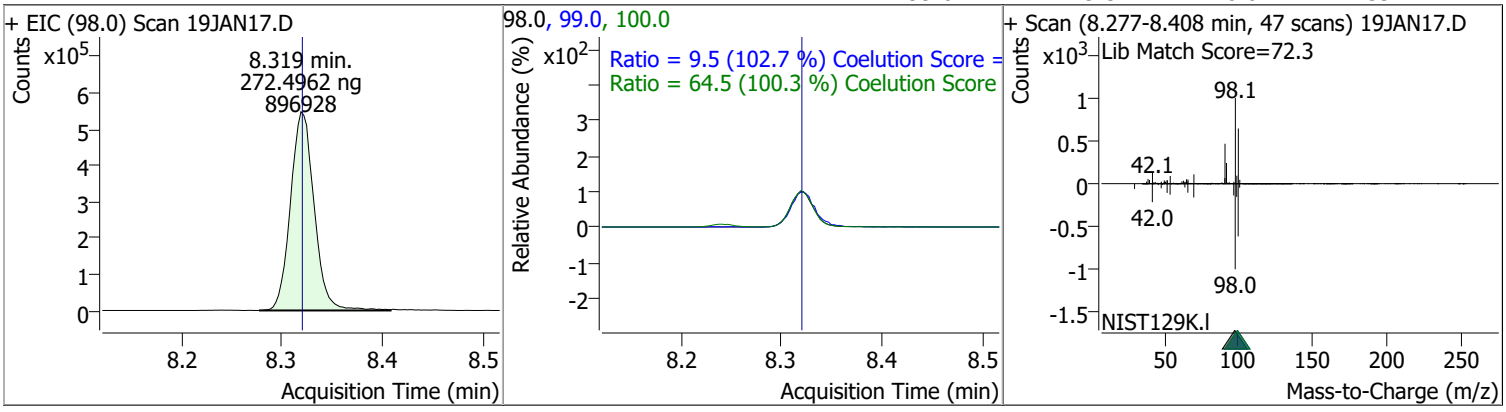
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	125.0178	7.58	0.00	131590	85.0	64.7	36.3	96.3
					127.0	9.6	0.0	39.5



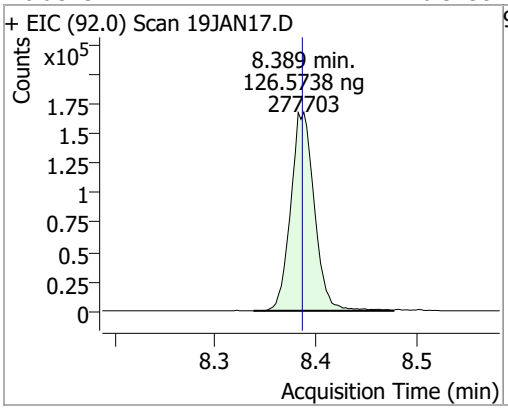
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	121.1938	8.06	0.00	139981	39.0	53.0	22.5	82.5
					77.0	31.2	1.8	61.8

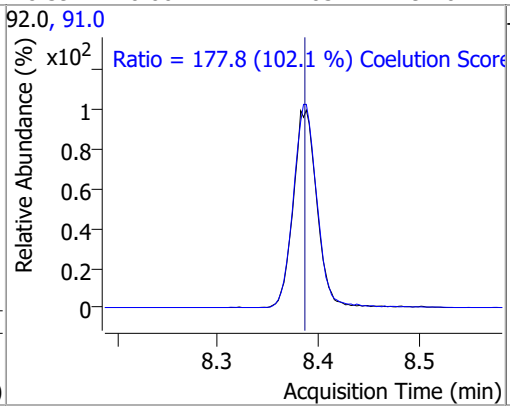


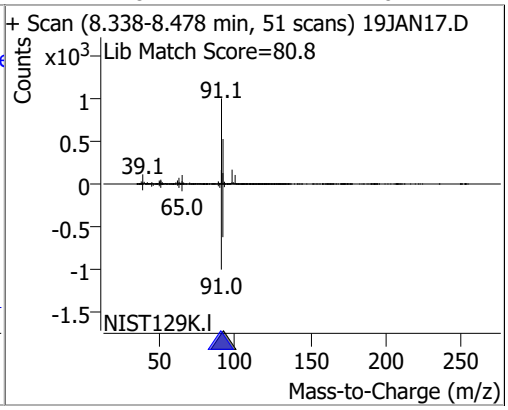
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	272.4962	8.32	0.00	896928	100.0	64.5	34.3	94.3
					99.0	9.5	0.0	39.2



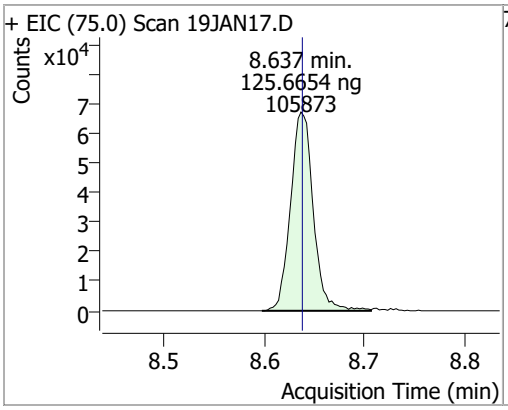
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	126.5738	8.39	0.00	277703	91.0	177.8	144.1	204.1

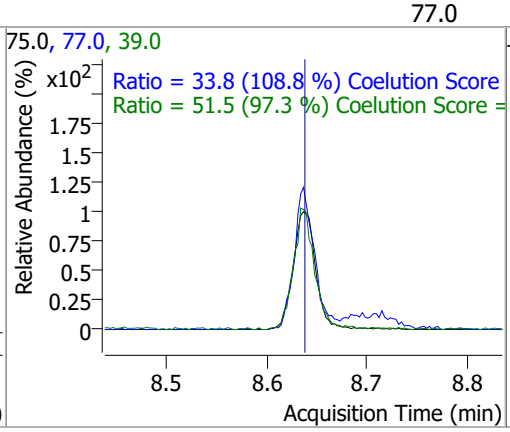


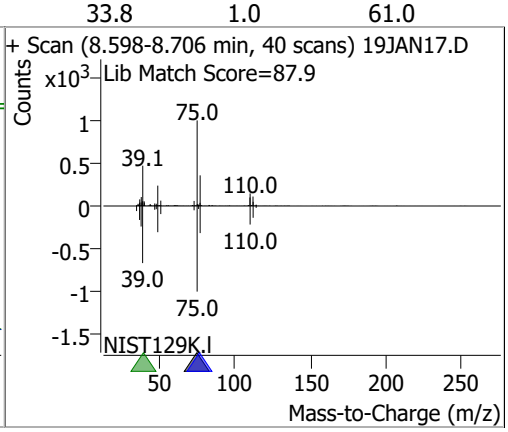




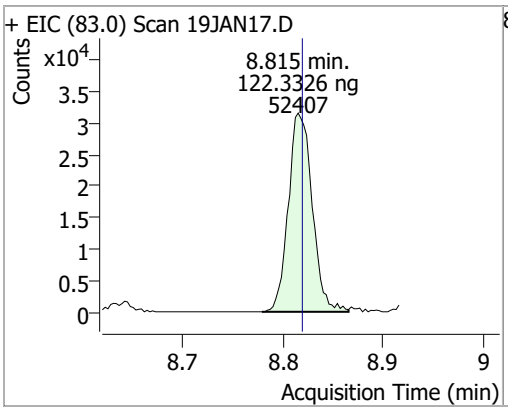
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	125.6654	8.64	0.00	105873	39.0	51.5	23.0	83.0
					77.0	33.8	1.0	61.0

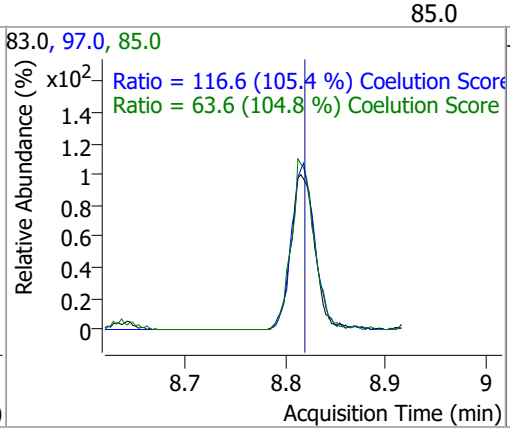


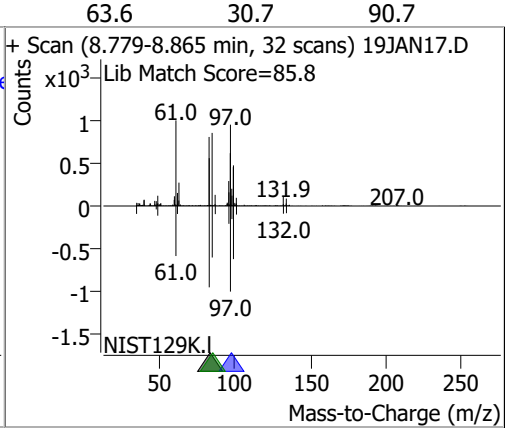




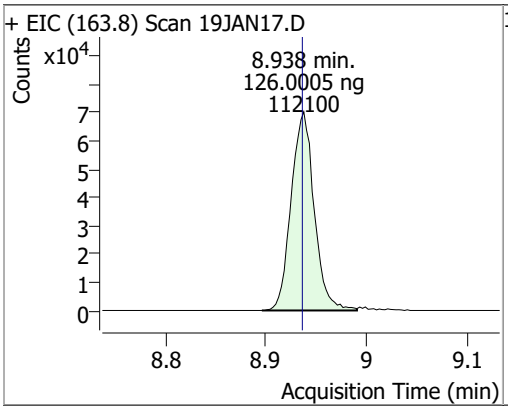
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	122.3326	8.82	0.00	52407	97.0	116.6	80.7	140.7
					85.0	63.6	30.7	90.7

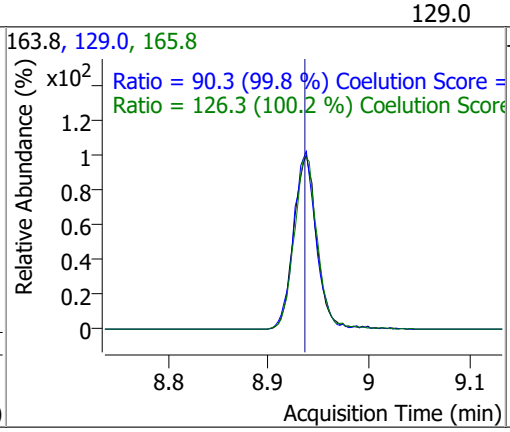


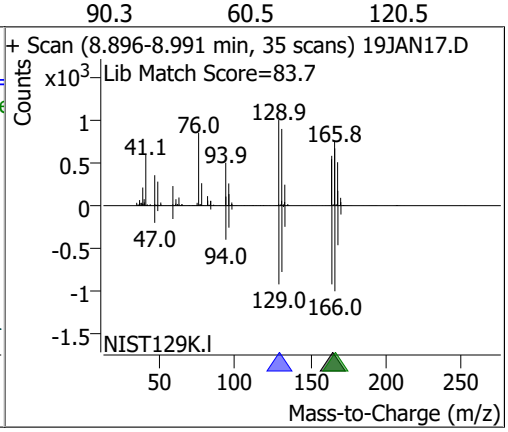




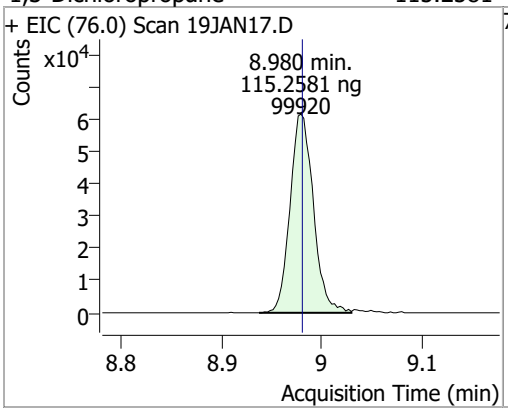
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	126.0005	8.94	0.00	112100	165.8	126.3	96.1	156.1
					129.0	90.3	60.5	120.5

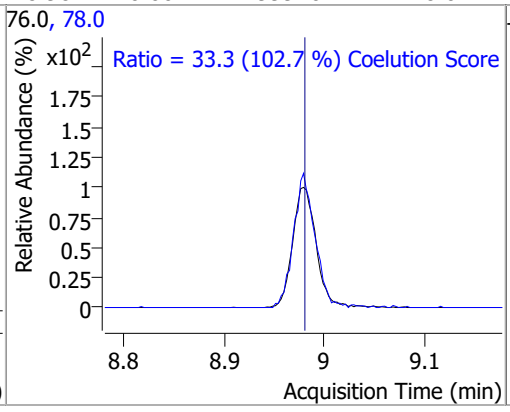


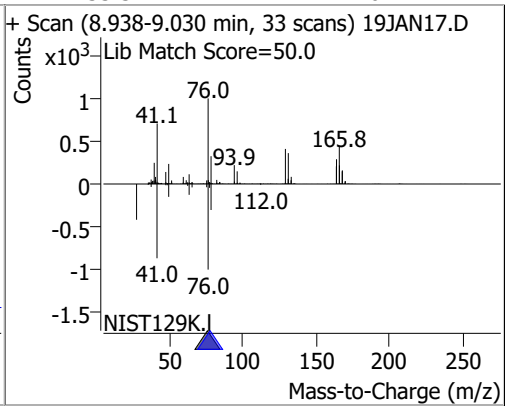




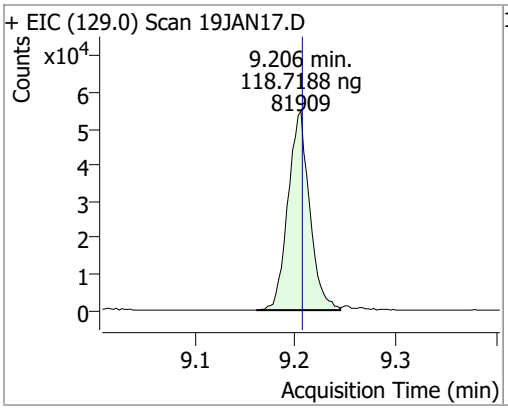
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	115.2581	8.98	0.00	99920	78.0	33.3	2.4	62.4

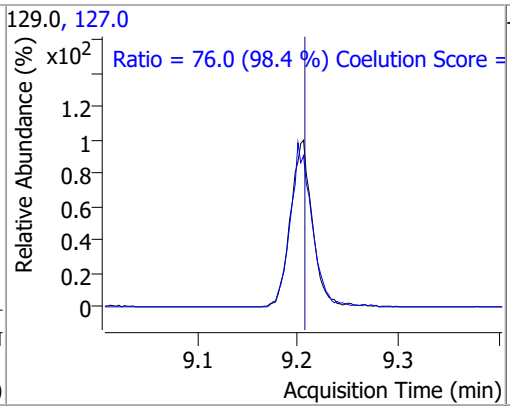


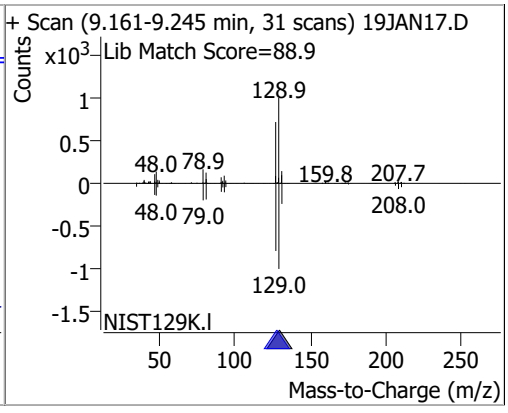




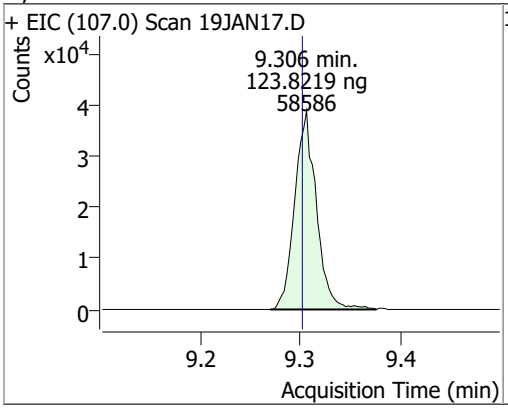
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	118.7188	9.21	0.00	81909	127.0	76.0	47.2	107.2

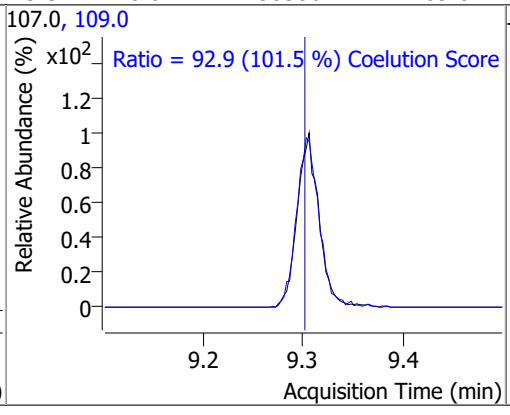


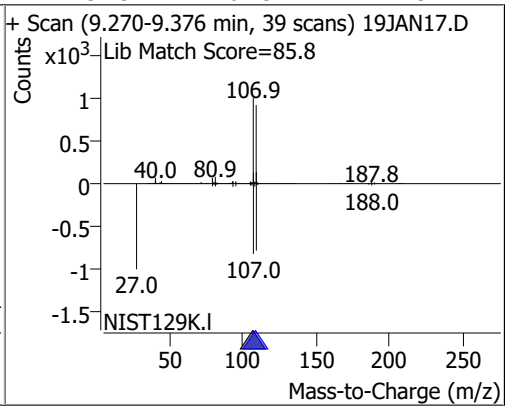




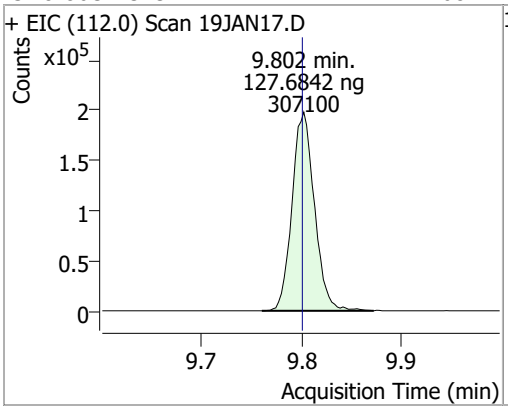
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	123.8219	9.31	0.01	58586	109.0	92.9	61.5	121.5

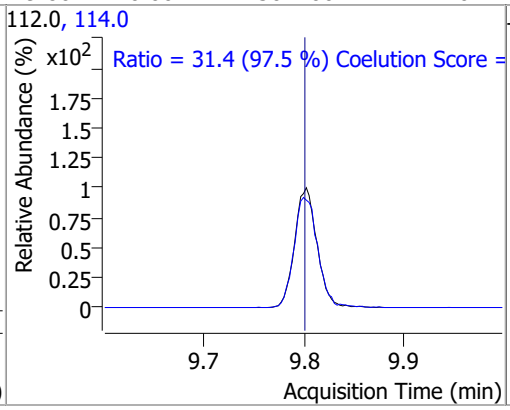


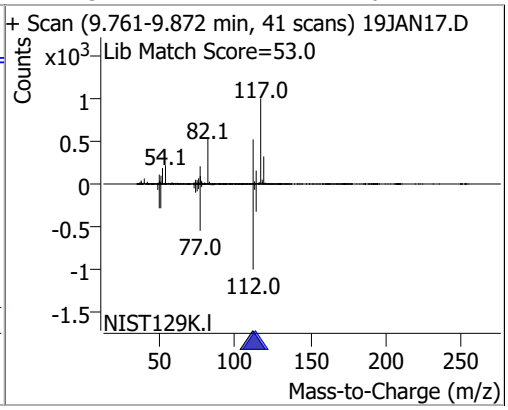




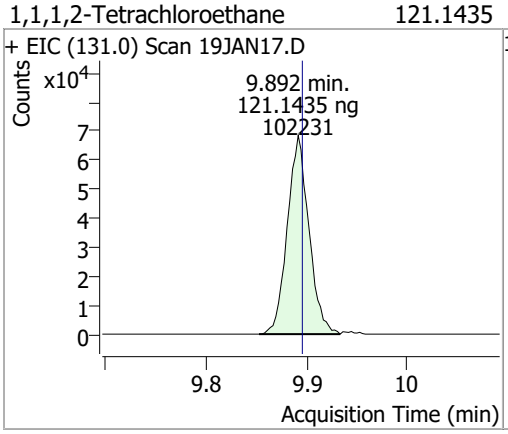
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	127.6842	9.80	0.00	307100	114.0	31.4	2.2	62.2

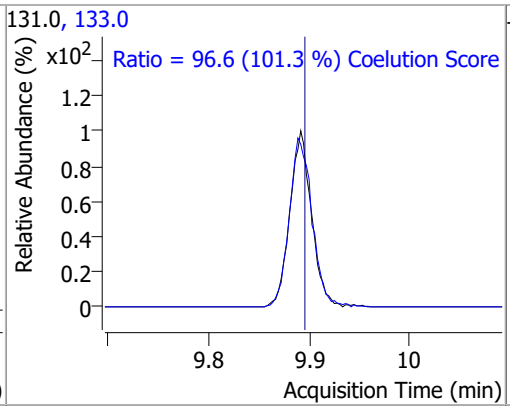


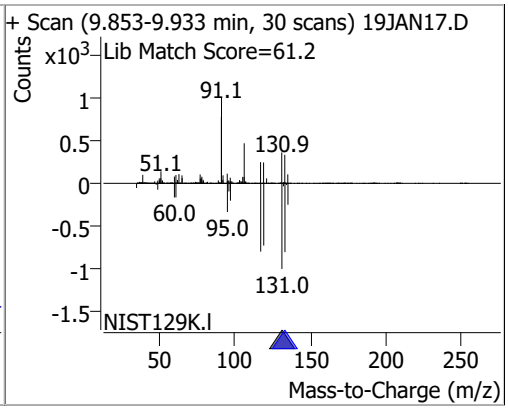




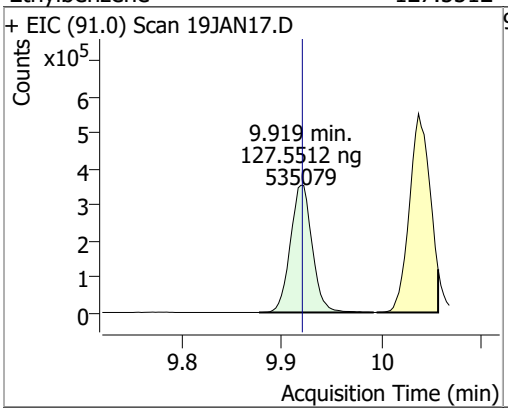
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	121.1435	9.89	0.00	102231	133.0	96.6	65.3	125.3

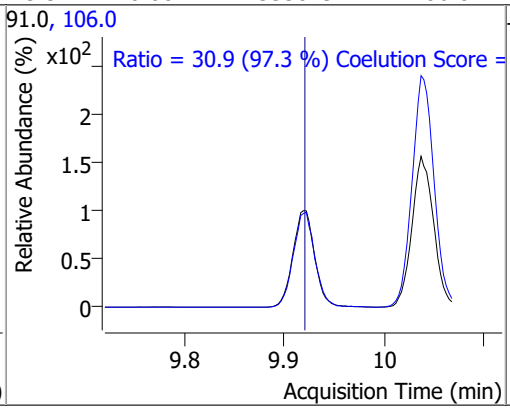


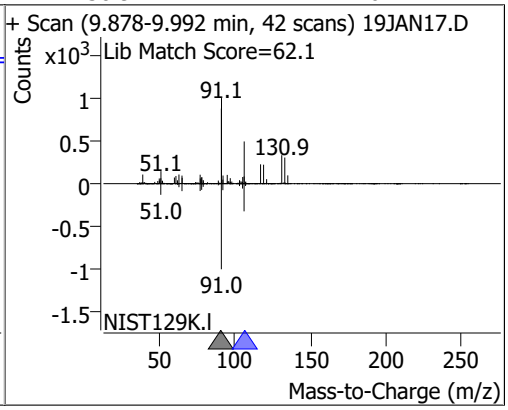




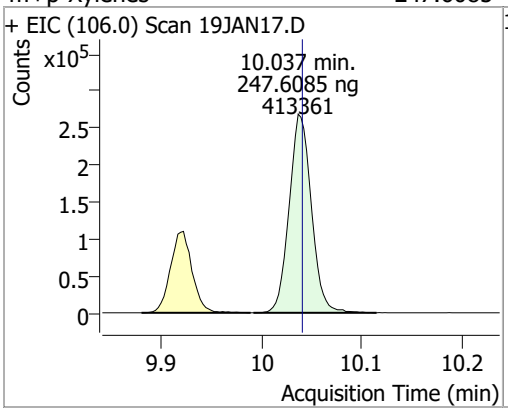
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	127.5512	9.92	0.00	535079	106.0	30.9	1.7	61.7

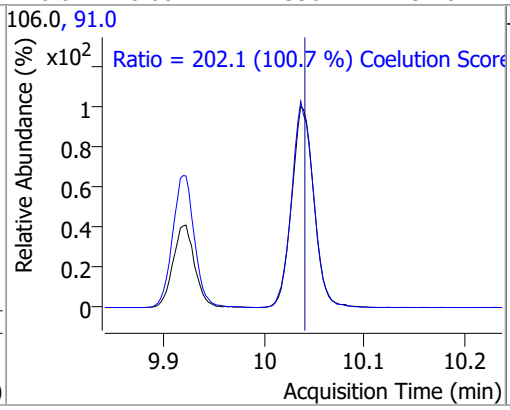


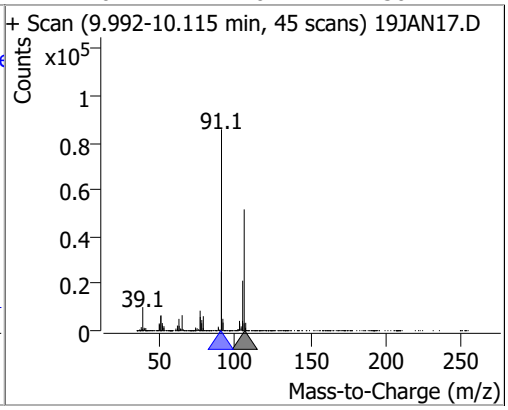




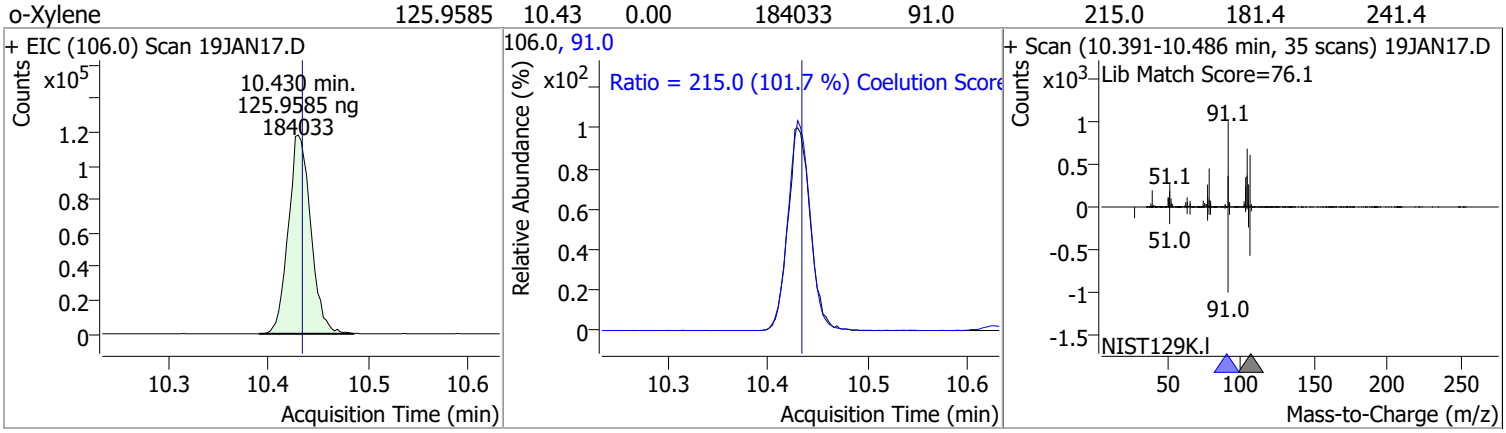
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	247.6085	10.04	0.00	413361	91.0	202.1	170.7	230.7



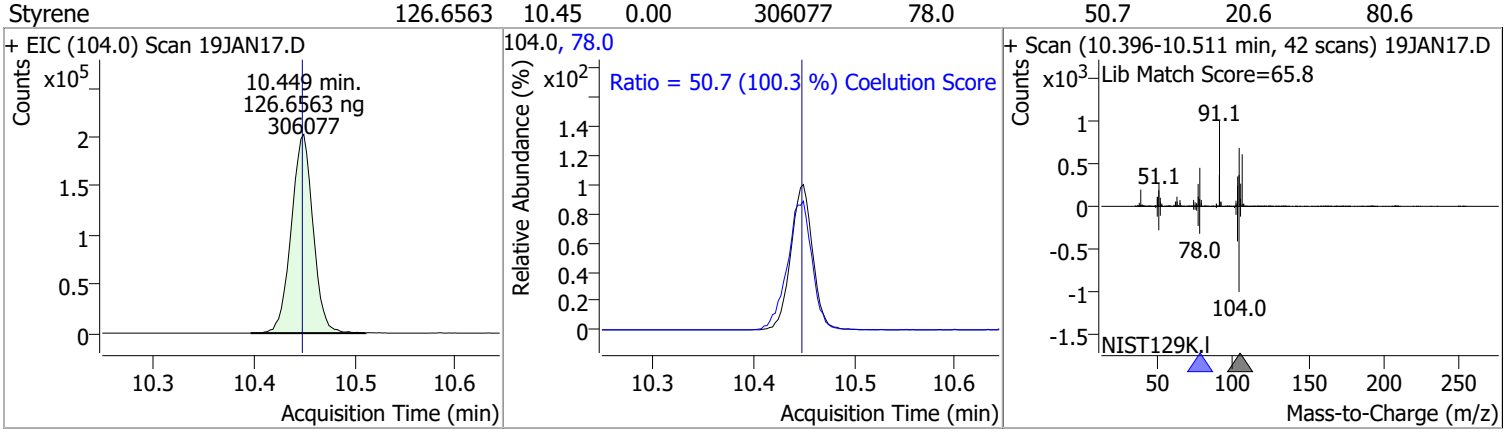




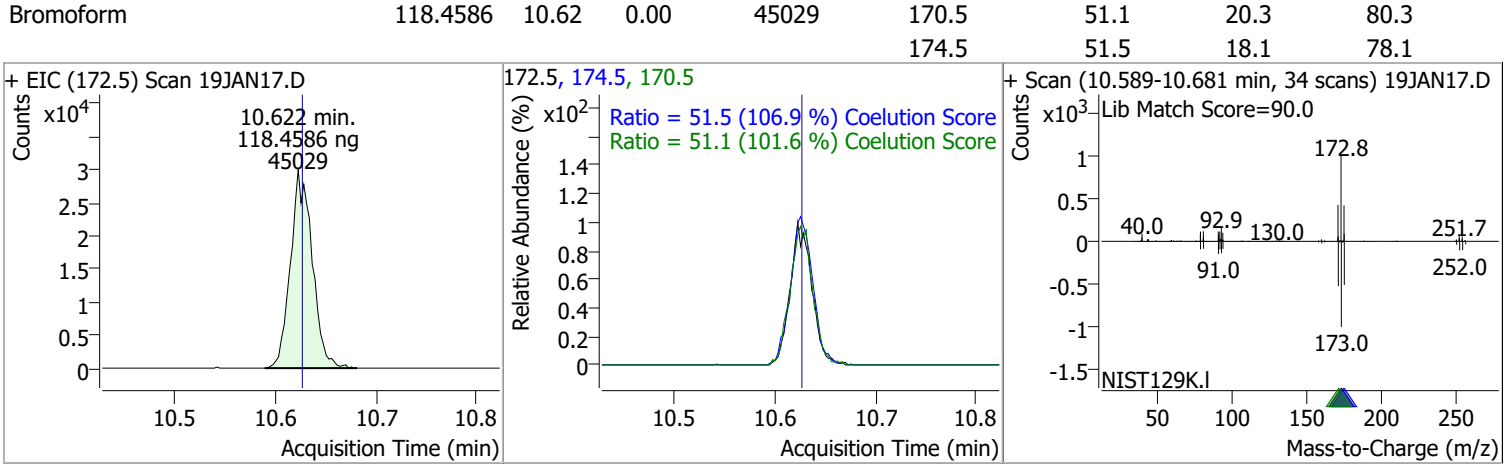
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	125.9585	10.43	0.00	184033	91.0	215.0	181.4	241.4



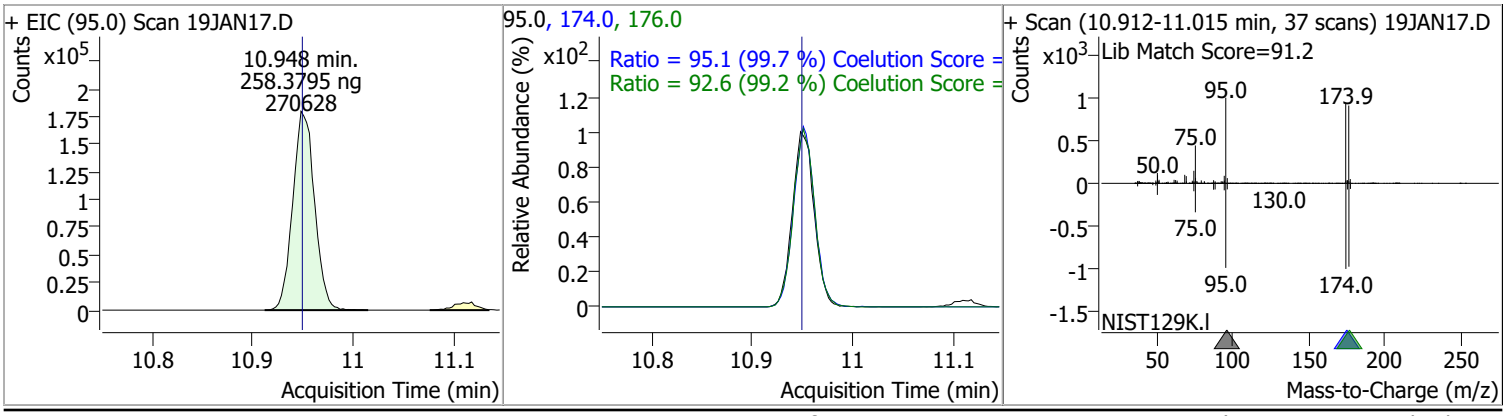
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	126.6563	10.45	0.00	306077	78.0	50.7	20.6	80.6



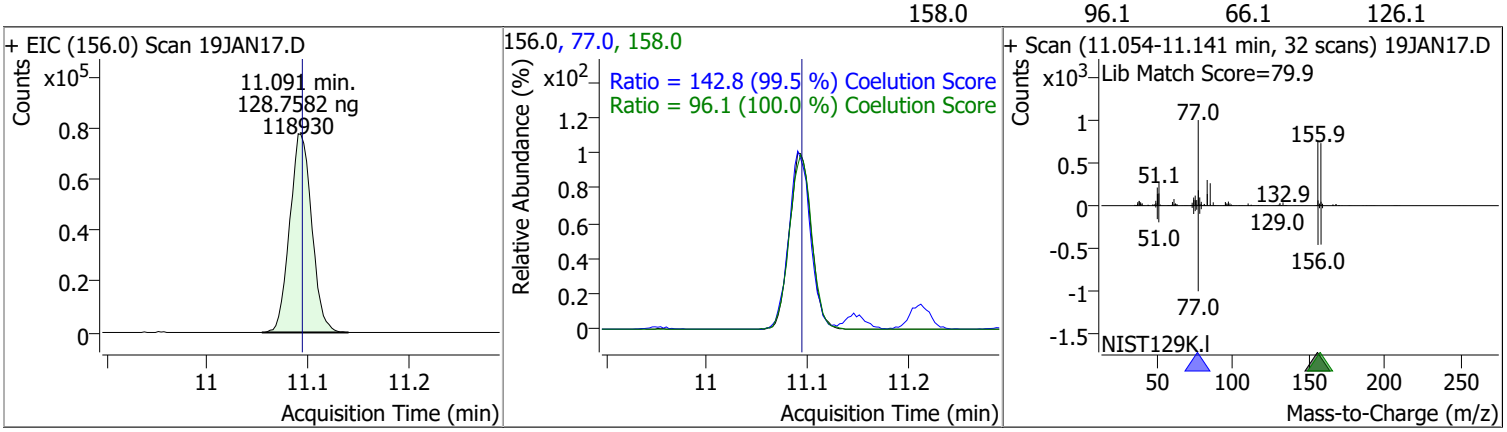
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	118.4586	10.62	0.00	45029	170.5	51.1	20.3	80.3
					174.5	51.5	18.1	78.1



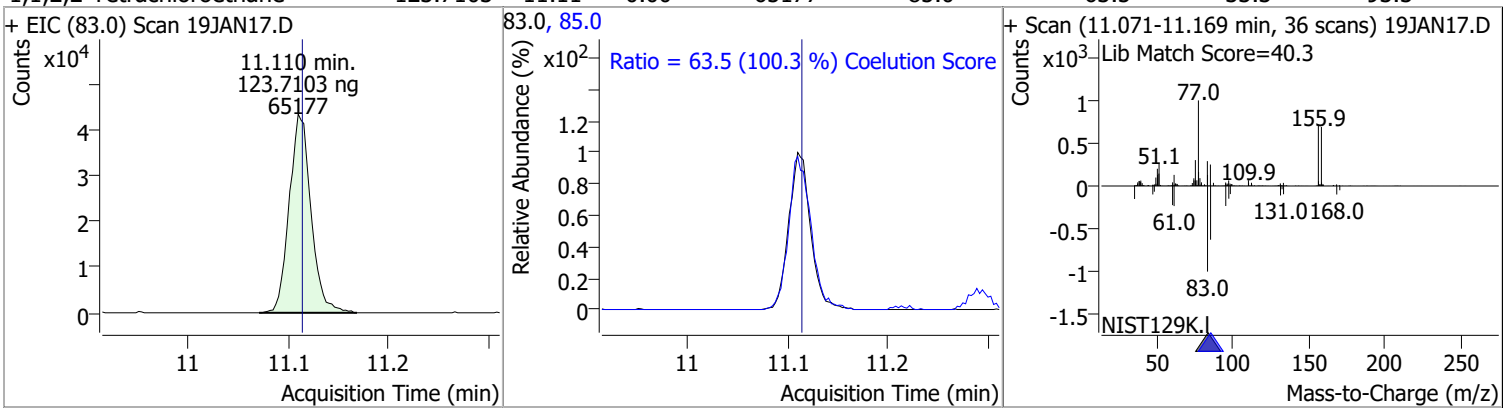
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	258.3795	10.95	0.00	270628	174.0	95.1	65.3	125.3
					176.0	92.6	63.3	123.3



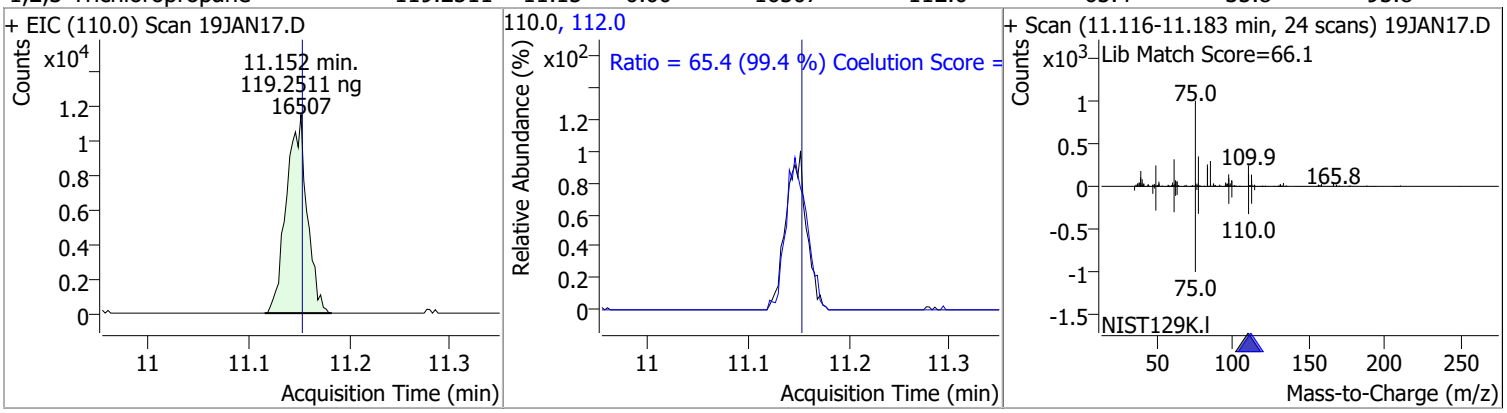
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	128.7582	11.09	0.00	118930	77.0	142.8	113.5	173.5
					158.0	96.1	66.1	126.1



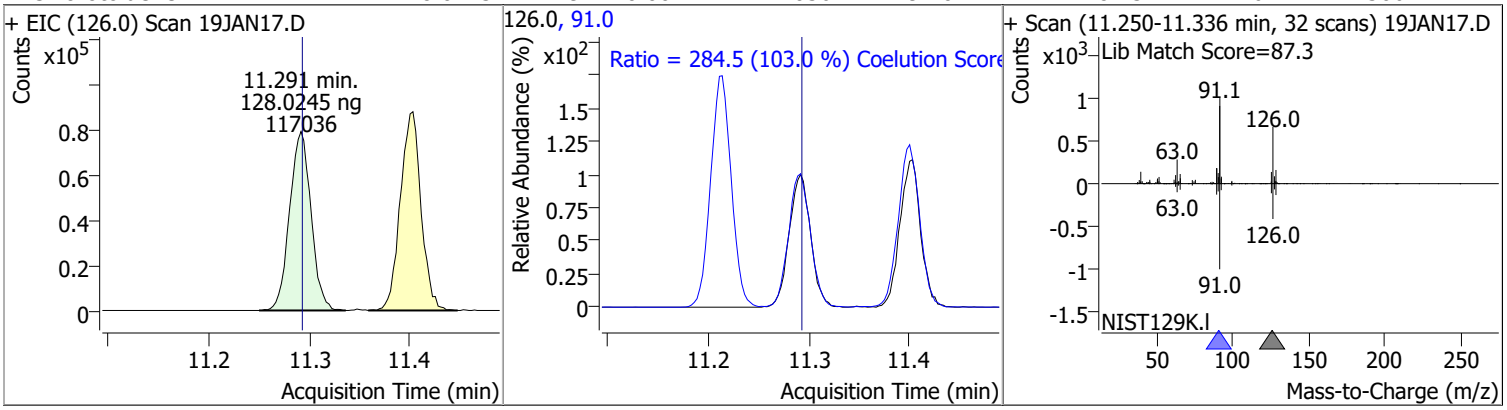
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	123.7103	11.11	0.00	65177	85.0	63.5	33.3	93.3



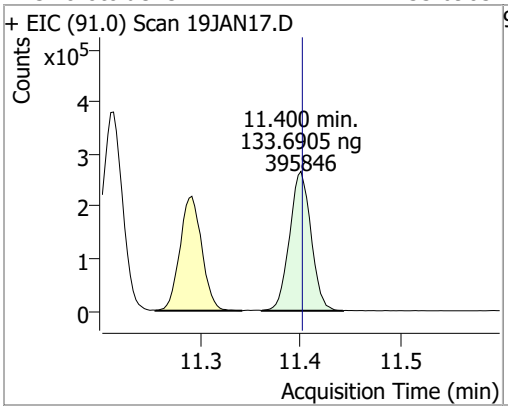
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	119.2511	11.15	0.00	16507	112.0	65.4	35.8	95.8

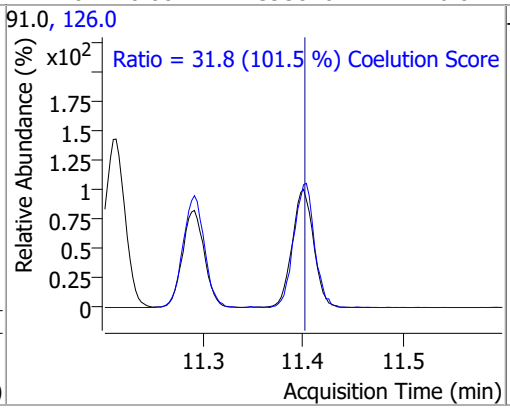


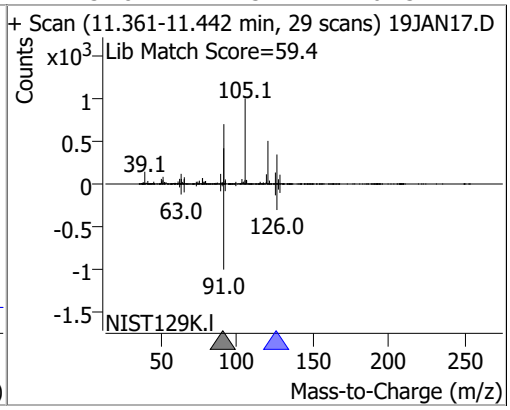
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	128.0245	11.29	0.00	117036	91.0	284.5	246.2	306.2



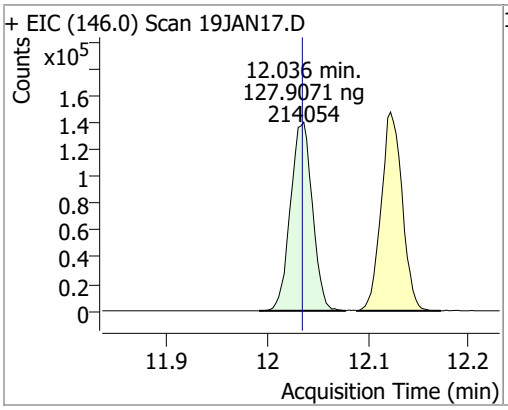
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	133.6905	11.40	0.00	395846	126.0	31.8	1.3	61.3

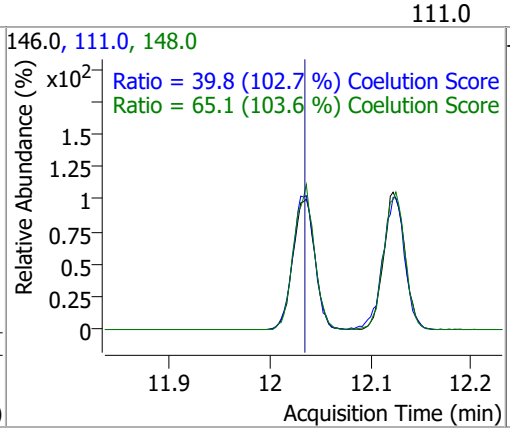


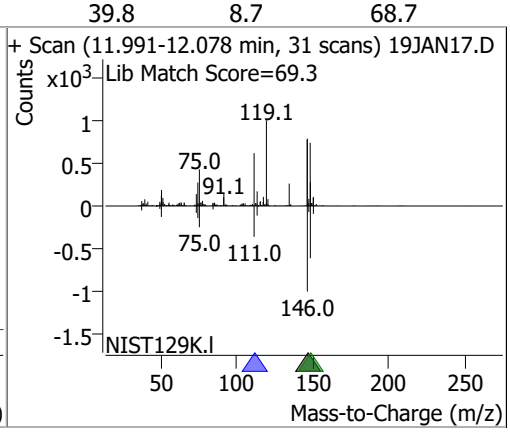




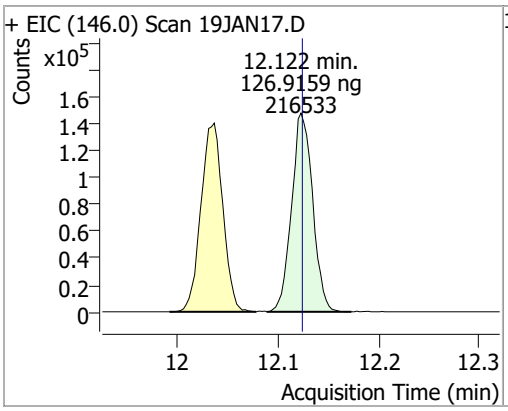
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	127.9071	12.04	0.00	214054	148.0	65.1	32.8	92.8
					111.0	39.8	8.7	68.7

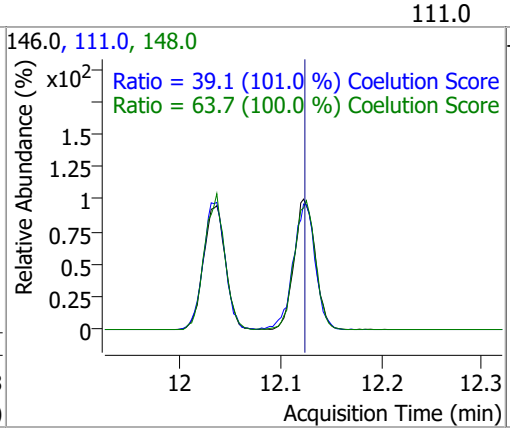


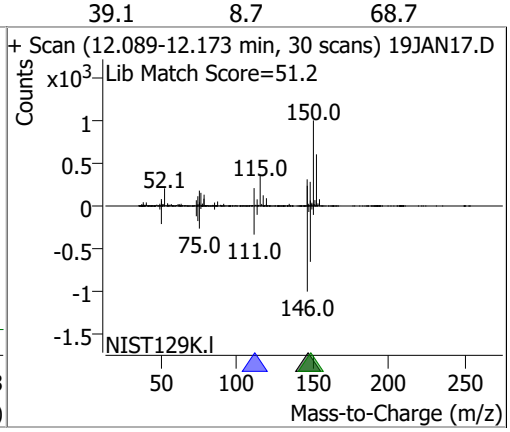




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	126.9159	12.12	0.00	216533	148.0	63.7	33.7	93.7
					111.0	39.1	8.7	68.7

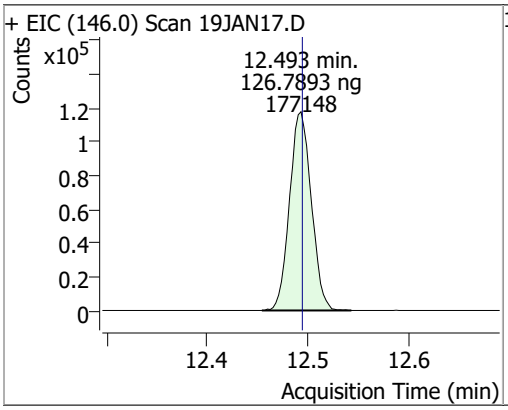


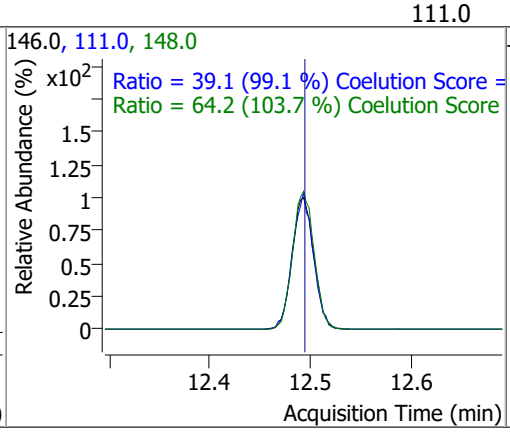


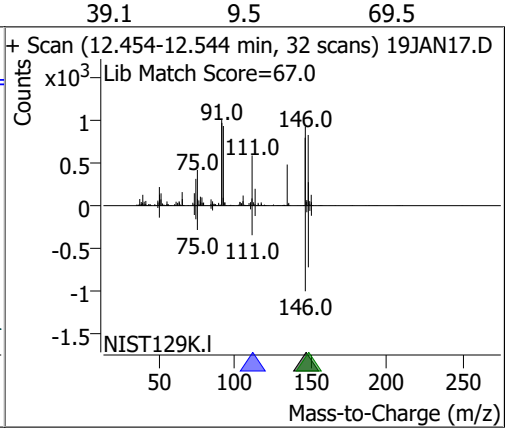


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	126.7893	12.49	0.00	177148	148.0	64.2	31.9	91.9
					111.0	39.1	9.5	69.5







Batch name and path: D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin
Quant batch version: 10.0
Quant reporting version: 10.0

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdNewBatchTable	BL2000\mchavez	1/19/2022 9:29:47 AM	Create new batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 9:30:15 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN01.D			✓	
CmdStartMethodEditing	BL2000\mchavez	1/19/2022 9:30:41 AM	Start method editing			✓	
CmdImportMethodFromFile	BL2000\mchavez	1/19/2022 9:30:42 AM	Import method from file \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_010422_CAL\VOA5975C_8260B_SHT_DoD_L4_010422.m			✓	
CmdApplyMethodToAllSamples	BL2000\mchavez	1/19/2022 9:30:46 AM	Apply method to all samples			✓	
CmdMethodClear	BL2000\mchavez	1/19/2022 9:30:47 AM	Clear method			✓	
CmdEndMethodEditing	BL2000\mchavez	1/19/2022 9:30:47 AM	End method editing			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 9:30:51 AM	Quantitate all compounds in all samples			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 9:54:44 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN02.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 9:54:51 AM	Set SampleType = TuneCheck for sample 19JAN02.D; previous value = Sample			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 9:54:53 AM	Quantitate all compounds in all samples			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 10:30:30 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN03.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 10:30:34 AM	Set SampleType = Blank for sample 19JAN03.D; previous value = Sample			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 10:30:37 AM	Quantitate all compounds in all samples			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 11:32:13 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN04.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 11:32:17 AM	Set SampleType = Calibration for sample 19JAN04.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 11:32:21 AM	Set LevelName = 1 for sample 19JAN04.D; previous value =			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 11:32:25 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 11:33:15 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN05.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 11:33:19 AM	Set SampleType = Calibration for sample 19JAN05.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 11:33:22 AM	Set LevelName = 2 for sample 19JAN05.D; previous value =			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 11:33:26 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 11:34:14 AM	Manually integrate compound 1,2,3-Trichloropropane in sample 19JAN05.D from x, y = 11.105, 0 to 11.183, 0; result = 1522			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 11:34:18 AM	Manually integrate qualifier112.0 of compound 1,2,3-Trichloropropane in sample 19JAN05.D from x, y = 11.110, 0 to 11.191, 0; result = 987			✓	
CmdSaveBatchTable	BL2000\mchavez	1/19/2022 12:01:49 PM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	1/19/2022 12:10:11 PM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 12:10:51 PM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN06.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 12:10:56 PM	Set SampleType = Calibration for sample 19JAN06.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 12:10:59 PM	Set LevelName = 3 for sample 19JAN06.D; previous value =			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 12:11:04 PM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 12:11:39 PM	Manually integrate compound 1,2-Dichloroethane-d4 in sample 19JAN04.D from x, y = 6.183, 0 to 6.319, 0; result = 979			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 12:11:40 PM	Set UserAnnotation = NI for compound 1,2-Dichloroethane-d4 in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 12:11:43 PM	Manually integrate qualifier65.0 of compound 1,2-Dichloroethane-d4 in sample 19JAN04.D from x, y = 6.194, 0 to 6.294, 0; result = 1988			✓	
CmdSaveBatchTable	BL2000\mchavez	1/19/2022 12:13:27 PM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	1/19/2022 1:17:06 PM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 1:17:31 PM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN08.D, D:\Org\Data\VOA5975C\VG011922\19JAN07.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 1:17:36 PM	Set SampleType = Calibration for sample 19JAN07.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 1:17:39 PM	Set LevelName = 4 for sample 19JAN07.D; previous value =			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 1:17:48 PM	Quantitate all compounds in all samples			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 1:21:29 PM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN09.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 1:21:35 PM	Set SampleType = Calibration for sample 19JAN09.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 1:21:38 PM	Set LevelName = 5 for sample 19JAN09.D; previous value =			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 1:21:46 PM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 1:24:19 PM	Set SampleApproved = True for sample 19JAN09.D; previous value = False			✓	
CmdStartMethodEditing	BL2000\mchavez	1/19/2022 1:24:27 PM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\mchavez	1/19/2022 1:24:28 PM	Import method from sample 19JAN09.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdUpdateRetentionTimes	BL2000\mchavez	1/19/2022 1:24:42 PM	Update retention time for compound 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; 1,3-Dichlorobenzene; 4-Chlorotoluene; 2-Chlorotoluene; 1,2,3-Trichloropropane; Bromobenzene; 1,1,2,2-Tetrachloroethane; p-Bromofluorobenzene; Bromoform; Styrene; o-Xylene; m+p-Xylenes; Ethylbenzene; 1,1,1,2-Tetrachloroethane; Chlorobenzene; 1,2-Dibromoethane; Chlorodibromomethane; 1,3-Dichloropropane; Tetrachloroethene; 1,1,2-Trichloroethane; trans-1,3-Dichloropropene; Toluene; Toluene-d8; cis-1,3-Dichloropropene; Bromodichloromethane; Dibromomethane; 1,2-Dichloropropane; Trichloroethene; 1,2-Dichloroethane; Benzene; 1,2-Dichloroethane-d4; 1,1-Dichloropropene; Carbon tetrachloride; 1,1,1-Trichloroethane; Dibromofluoromethane; Chloroform; Bromochloromethane; Methyl ethyl ketone; cis-1,2-Dichloroethene; 2,2-Dichloropropane; 1,1-Dichloroethane; Methyl tert-butyl ether (MTBE); trans-1,2-Dichloroethene; Methylene chloride; 1,1-Dichloroethene; Trichlorofluoromethane; Chloroethane; Bromomethane; Vinyl chloride; Chloromethane; 1,4-Dichlorobenzene-d4; Chlorobenzene-d5; Fluorobenzene; Dichlorodifluoromethane;			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdUpdateQualifierRatios	BL2000\mchavez	1/19/2022 1:24:48 PM	Update qualifier ratios for compound 1,2-Dichlorobenzene; Update qualifier ratios for compound 1,4-Dichlorobenzene; Update qualifier ratios for compound 1,3-Dichlorobenzene; Update qualifier ratios for compound 4-Chlorotoluene; Update qualifier ratios for compound 2-Chlorotoluene; Update qualifier ratios for compound 1,2,3-Trichloropropane; Update qualifier ratios for compound Bromobenzene; Update qualifier ratios for compound 1,1,2,2-Tetrachloroethane; Update qualifier ratios for compound p-Bromofluorobenzene; Update qualifier ratios for compound Bromoform; Update qualifier ratios for compound Styrene; Update qualifier ratios for compound o-Xylene; Update qualifier ratios for compound m+p-Xylenes; Update qualifier ratios for compound Ethylbenzene; Update qualifier ratios for compound 1,1,1,2-Tetrachloroethane; Update qualifier ratios for compound Chlorobenzene; Update qualifier ratios for compound 1,2-Dibromoethane; Update qualifier ratios for compound Chlorodibromomethane; Update qualifier ratios for compound 1,3-Dichloropropane; Update qualifier ratios for compound Tetrachloroethene; Update qualifier ratios for compound 1,1,2-Trichloroethane; Update qualifier ratios for compound trans-1,3-Dichloropropene; Update qualifier ratios for compound Toluene; Update qualifier ratios for compound Toluene-d8; Update qualifier ratios for compound cis-1,3-Dichloropropene; Update qualifier ratios for compound Bromodichloromethane; Update qualifier ratios for compound Dibromomethane; Update qualifier ratios for compound 1,2-Dichloropropane; Update qualifier ratios for compound Trichloroethene; Update qualifier ratios for compound 1,2-Dichloroethane; Update qualifier ratios for compound Benzene; Update qualifier ratios for compound 1,2-Dichloroethane-d4; Update qualifier ratios for compound 1,1-Dichloropropene; Update qualifier ratios for compound Carbon tetrachloride; Update qualifier ratios for compound 1,1,1-Trichloroethane;			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Update qualifier ratios for compound Dibromofluoromethane; Update qualifier ratios for compound Chloroform; Update qualifier ratios for compound Bromochloromethane; Update qualifier ratios for compound Methyl ethyl ketone; Update qualifier ratios for compound cis-1,2-Dichloroethene; Update qualifier ratios for compound 2,2-Dichloropropane; Update qualifier ratios for compound 1,1-Dichloroethane; Update qualifier ratios for compound Methyl tert-butyl ether (MTBE); Update qualifier ratios for compound trans-1,2-Dichloroethene; Update qualifier ratios for compound Methylene chloride; Update qualifier ratios for compound 1,1-Dichloroethene; Update qualifier ratios for compound Trichlorofluoromethane; Update qualifier ratios for compound Chloroethane; Update qualifier ratios for compound Bromomethane; Update qualifier ratios for compound Vinyl chloride; Update qualifier ratios for compound Chloromethane; Update qualifier ratios for compound 1,4-Dichlorobenzene-d4; Update qualifier ratios for compound Chlorobenzene-d5; Update qualifier ratios for compound Fluorobenzene; Update qualifier ratios for compound Dichlorodifluoromethane;				
CmdApplyMethodToAllSamples	BL2000\mchavez	1/19/2022 1:25:55 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\mchavez	1/19/2022 1:25:55 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\mchavez	1/19/2022 1:25:56 PM	End method editing			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 1:26:04 PM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:28:09 PM	Manually integrate qualifier87.0 of compound Dichlorodifluoromethane in sample 19JAN04.D from x, y = 1.202, 0 to 1.308, 0; result = 1552			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:28:17 PM	Manually integrate qualifier64.0 of compound Vinyl chloride in sample 19JAN04.D from x, y = 1.473, 0 to 1.542, -7; result = 1928			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:28:22 PM	Manually integrate qualifier 64.0 of compound Vinyl chloride in sample 19JAN04.D, from x, y = 1.473, 0 to 1.531, 0, result = 1877; previous integration is from x, y = 1.473, 0 to 1.542, -7 and previous response = 1928.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:28:57 PM	Manually integrate qualifier66.0 of compound Chloroethane in sample 19JAN04.D from x, y = 1.838, 0 to 1.938, 0; result = 937			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:29:01 PM	Manually integrate compound Chloroethane in sample 19JAN04.D, from x, y = 1.871, 0 to 1.955, 0, result = 2651; previous integration is from x, y = 1.871, 0 to 1.922, 0 and previous response = 2305.			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:29:05 PM	Set UserAnnotation = LT for compound Chloroethane in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:29:16 PM	Manually integrate qualifier63.0 of compound 1,1-Dichloroethene in sample 19JAN04.D from x, y = 2.674, 0 to 2.764, 0; result = 1211			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:29:42 PM	Manually integrate compound Vinyl chloride in sample 19JAN03.D from x, y = 1.484, 0 to 1.526, 0; result = 450			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:29:49 PM	Manually integrate qualifier64.0 of compound Vinyl chloride in sample 19JAN03.D from x, y = 1.492, 0 to 1.515, -4; result = 300			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:29:56 PM	Manually integrate compound Bromomethane in sample 19JAN03.D from x, y = 1.788, 0 to 1.841, 0; result = 344			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:29:59 PM	Manually integrate qualifier94.0 of compound Bromomethane in sample 19JAN03.D from x, y = 1.777, 0 to 1.841, 0; result = 392			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:30:13 PM	Manually integrate compound Chloromethane in sample 19JAN03.D from x, y = 1.378, 0 to 1.436, 0; result = 477			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:30:15 PM	Manually integrate qualifier52.0 of compound Chloromethane in sample 19JAN03.D from x, y = 1.370, 0 to 1.439, 0; result = 66			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:30:24 PM	Manually integrate qualifier 64.0 of compound Vinyl chloride in sample 19JAN03.D, from x, y = 1.492, 0 to 1.512, 0, result = 263; previous integration is from x, y = 1.492, 0 to 1.515, -4 and previous response = 300.			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:30:47 PM	Manually integrate compound Methylene chloride in sample 19JAN03.D from x, y = 3.274, 0 to 3.397, 0; result = 2137			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:30:49 PM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 19JAN03.D from x, y = 3.285, 0 to 3.324, -4; result = 372			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:30:50 PM	Manually integrate qualifier 84.0 of compound Methylene chloride in sample 19JAN03.D, from x, y = 3.347, 6 to 3.386, 0, result = 339; previous integration is from x, y = 3.285, 0 to 3.324, -4 and previous response = 372.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:30:53 PM	Manually integrate qualifier 84.0 of compound Methylene chloride in sample 19JAN03.D, from x, y = 3.274, 0 to 3.405, 0, result = 1639; previous integration is from x, y = 3.347, 6 to 3.386, 0 and previous response = 339.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:30:54 PM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 19JAN03.D from x, y = 3.285, 0 to 3.375, 0; result = 701			✓	
CmdManuallyIntegrateP eak	BL2000\mchavez	1/19/2022 1:31:47 PM	Manually integrate compound trans-1,2-Dichloroethene in sample 19JAN04.D from x, y = 3.667, 0 to 3.779, 0; result = 2132			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:31:48 PM	Manually integrate qualifier 61.0 of compound trans-1,2-Dichloroethene in sample 19JAN04.D, from x, y = 3.662, 0 to 3.779, 0, result = 3467; previous integration is from x, y = 3.687, 0 to 3.756, 0 and previous response = 3419.			✓	
CmdClearManualIntegra tion	BL2000\mchavez	1/19/2022 1:31:52 PM	Clear manual integration of qualifier 61.0 for compound trans-1,2-Dichloroethene in sample 19JAN04.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:31:55 PM	Manually integrate qualifier98.0 of compound trans-1,2-Dichloroethene in sample 19JAN04.D from x, y = 3.673, 0 to 3.787, 0; result = 1448			✓	
CmdManuallyIntegrateP eak	BL2000\mchavez	1/19/2022 1:32:01 PM	Manually integrate compound Methyl tert-butyl ether (MTBE) in sample 19JAN04.D from x, y = 3.712, 0 to 3.801, 0; result = 2662			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:32:03 PM	Manually integrate qualifier57.0 of compound Methyl tert-butyl ether (MTBE) in sample 19JAN04.D from x, y = 3.706, 0 to 3.796, 0; result = 521			✓	
CmdSetTargetCompoun dAttribute	BL2000\mchavez	1/19/2022 1:32:05 PM	Set UserAnnotation = NI for compound Methyl tert-butyl ether (MTBE) in sample 19JAN04.D; previous value =			✓	
CmdSetTargetCompoun dAttribute	BL2000\mchavez	1/19/2022 1:32:08 PM	Set UserAnnotation = NI for compound trans-1,2-Dichloroethene in sample 19JAN04.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:32:15 PM	Manually integrate qualifier65.0 of compound 1,1-Dichloroethane in sample 19JAN04.D from x, y = 4.325, 0 to 4.426, 0; result = 0				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for qualifier 65.0 of compound 1,1-Dichloroethane in sample ICAL011922_1. ---> Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for qualifier 65.0 of compound 1,1-Dichloroethane in sample ICAL011922_1. ---> System.IndexOutOfRangeException: Index was outside the bounds of the array. at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double& A_7, Double& A_8, Int32& A_9, Int32& A_10, Int32& A_11, Int32& A_12) at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double& fullWidthHalfMaximum, Double& symmetry) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList& peaklist) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QualifierIon.SetManualIntegrationFailureMessage(Exception e) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.M

Name	User	Time	Action	Reason	Comment	Succeed	Exception
							anualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegrateQualifierPeak.Do() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegrateQualifierPeak.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:32:20 PM	Manually integrate qualifier83.0 of compound 1,1-Dichloroethane in sample 19JAN04.D from x, y = 4.320, 0 to 4.437, 0; result = 0				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for qualifier 83.0 of compound 1,1-Dichloroethane in sample ICAL011922_1. ---> Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for qualifier 83.0 of compound 1,1-Dichloroethane in sample ICAL011922_1. ---> System.IndexOutOfRangeException: Index was outside the bounds of the array. at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double& A_7, Double& A_8, Int32& A_9, Int32& A_10, Int32& A_11, Int32& A_12) at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double& fullWidthHalfMaximum, Double& symmetry) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList& peaklist) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QualifierIon.SetManualIntegrationFailureMessage(Exception e) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.M

Name	User	Time	Action	Reason	Comment	Succeed	Exception
							anualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegrateQualifierPeak.Do() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegrateQualifierPeak.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:32:25 PM	Manually integrate qualifier83.0 of compound 1,1-Dichloroethane in sample 19JAN04.D from x, y = 4.306, 0 to 4.431, 0; result = 461			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:32:28 PM	Manually integrate qualifier65.0 of compound 1,1-Dichloroethane in sample 19JAN04.D from x, y = 4.320, 0 to 4.440, 0; result = 0				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for qualifier 65.0 of compound 1,1-Dichloroethane in sample ICAL011922_1. ---> Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for qualifier 65.0 of compound 1,1-Dichloroethane in sample ICAL011922_1. ---> System.IndexOutOfRangeException: Index was outside the bounds of the array. at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double& A_7, Double& A_8, Int32& A_9, Int32& A_10, Int32& A_11, Int32& A_12) at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double& fullWidthHalfMaximum, Double& symmetry) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList& peaklist) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QualifierIon.SetManualIntegrationFailureMessage(Exception e) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.M

Name	User	Time	Action	Reason	Comment	Succeed	Exception
							anualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegrateQualifierPeak.Do() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegrateQualifierPeak.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:32:32 PM	Manually integrate qualifier65.0 of compound 1,1-Dichloroethane in sample 19JAN04.D from x, y = 4.300, 0 to 4.423, 0; result = 0				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for qualifier 65.0 of compound 1,1-Dichloroethane in sample ICAL011922_1. ---> Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for qualifier 65.0 of compound 1,1-Dichloroethane in sample ICAL011922_1. ---> System.IndexOutOfRangeException: Index was outside the bounds of the array. at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double& A_7, Double& A_8, Int32& A_9, Int32& A_10, Int32& A_11, Int32& A_12) at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double& fullWidthHalfMaximum, Double& symmetry) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList& peaklist) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QualifierIon.SetManualIntegrationFailureMessage(Exception e) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.M

Name	User	Time	Action	Reason	Comment	Succeed	Exception
							anualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegrateQualifierPeak.Do() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegrateQualifierPeak.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:32:37 PM	Manually integrate qualifier65.0 of compound 1,1-Dichloroethane in sample 19JAN04.D from x, y = 4.306, 0 to 4.426, 0; result = 1662			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:32:46 PM	Manually integrate qualifier97.0 of compound 2,2-Dichloropropane in sample 19JAN04.D from x, y = 5.156, 0 to 5.223, 0; result = 682			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:32:49 PM	Manually integrate compound 2,2-Dichloropropane in sample 19JAN04.D, from x, y = 5.162, 0 to 5.257, 0, result = 3125; previous integration is from x, y = 5.162, 0 to 5.207, 0 and previous response = 2415.			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:32:52 PM	Manually integrate compound 2,2-Dichloropropane in sample 19JAN04.D, from x, y = 5.126, 0 to 5.257, 0, result = 3183; previous integration is from x, y = 5.162, 0 to 5.257, 0 and previous response = 3125.			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:32:54 PM	Set UserAnnotation = LT for compound 2,2-Dichloropropane in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:32:56 PM	Manually integrate qualifier 41.0 of compound 2,2-Dichloropropane in sample 19JAN04.D, from x, y = 5.126, 0 to 5.237, 0, result = 2564; previous integration is from x, y = 5.168, 0 to 5.212, 0 and previous response = 2003.			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:33:02 PM	Manually integrate compound cis-1,2-Dichloroethene in sample 19JAN04.D from x, y = 5.165, 0 to 5.276, 0; result = 2334			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:33:04 PM	Set UserAnnotation = NI for compound cis-1,2-Dichloroethene in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:33:06 PM	Manually integrate qualifier61.0 of compound cis-1,2-Dichloroethene in sample 19JAN04.D from x, y = 5.154, 0 to 5.248, 0; result = 3451			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:33:08 PM	Manually integrate qualifier98.0 of compound cis-1,2-Dichloroethene in sample 19JAN04.D from x, y = 5.156, 0 to 5.248, 0; result = 1627			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:33:16 PM	Manually integrate compound Methyl ethyl ketone in sample 19JAN04.D from x, y = 5.237, 0 to 5.357, 0; result = 3674			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:33:18 PM	Manually integrate qualifier72.0 of compound Methyl ethyl ketone in sample 19JAN04.D from x, y = 5.273, 0 to 5.352, 0; result = 523			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:33:27 PM	Manually integrate compound Bromochloromethane in sample 19JAN04.D from x, y = 5.485, 0 to 5.558, 0; result = 901			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:33:29 PM	Manually integrate qualifier49.0 of compound Bromochloromethane in sample 19JAN04.D from x, y = 5.471, 0 to 5.583, 0; result = 2045			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:33:46 PM	Manually integrate compound Methyl ethyl ketone in sample 19JAN04.D, from x, y = 5.237, 0 to 5.318, 48, result = 2845; previous integration is from x, y = 5.237, 0 to 5.357, 0 and previous response = 3674.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\mchavez	1/19/2022 1:33:48 PM	Drop baseline for compound Methyl ethyl ketone in sample 19JAN04.D to y = 0, new integration is from x, y = 5.237, 0 to 5.318, 0 and new response = 2962; previous integration is from x, y = 5.237, 0 to 5.318, 48 and previous response = 2845.			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:33:57 PM	Set UserAnnotation = NI for compound Methyl ethyl ketone in sample 19JAN04.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:34:00 PM	Set UserAnnotation = NI for compound Bromochloromethane in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:34:08 PM	Manually integrate compound Dibromofluoromethane in sample 19JAN04.D from x, y = 5.792, 0 to 5.912, 0; result = 2660			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:34:09 PM	Manually integrate qualifier191.5 of compound Dibromofluoromethane in sample 19JAN04.D from x, y = 5.801, 0 to 5.895, 0; result = 403			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:34:16 PM	Manually integrate compound 1,1,1-Trichloroethane in sample 19JAN04.D from x, y = 5.784, 0 to 5.884, 0; result = 3627			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:34:19 PM	Manually integrate qualifier 99.0 of compound 1,1,1-Trichloroethane in sample 19JAN04.D, from x, y = 5.773, 0 to 5.879, 0, result = 2253; previous integration is from x, y = 5.809, 0 to 5.859, 0 and previous response = 2088.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:34:21 PM	Manually integrate qualifier61.0 of compound 1,1,1-Trichloroethane in sample 19JAN04.D from x, y = 5.787, 0 to 5.817, -38; result = 308			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:34:24 PM	Manually integrate qualifier 61.0 of compound 1,1,1-Trichloroethane in sample 19JAN04.D, from x, y = 5.787, 0 to 5.909, 0, result = 1755; previous integration is from x, y = 5.787, 0 to 5.817, -38 and previous response = 308.			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:35:23 PM	Manually integrate compound Carbon tetrachloride in sample 19JAN04.D from x, y = 5.965, 0 to 6.085, 0; result = 3586			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:35:24 PM	Manually integrate qualifier119.0 of compound Carbon tetrachloride in sample 19JAN04.D from x, y = 5.979, 0 to 6.068, 0; result = 3767			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:35:27 PM	Manually integrate qualifier121.0 of compound Carbon tetrachloride in sample 19JAN04.D from x, y = 5.979, 0 to 6.091, 0; result = 893			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:35:34 PM	Set UserAnnotation = NI for compound Dibromofluoromethane in sample 19JAN04.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:35:38 PM	Set UserAnnotation = NI for compound 1,1,1-Trichloroethane in sample 19JAN04.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:35:41 PM	Set UserAnnotation = NI for compound Carbon tetrachloride in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:35:46 PM	Manually integrate qualifier110.0 of compound 1,1-Dichloropropene in sample 19JAN04.D from x, y = 5.990, 0 to 6.107, 0; result = 1162			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:35:49 PM	Manually integrate qualifier77.0 of compound 1,1-Dichloropropene in sample 19JAN04.D from x, y = 6.007, 0 to 6.107, 0; result = 1080			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:35:54 PM	Manually integrate compound 1,1-Dichloropropene in sample 19JAN04.D, from x, y = 6.007, 0 to 6.102, 0, result = 2749; previous integration is from x, y = 6.007, 0 to 6.063, 0 and previous response = 2626.			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:35:57 PM	Set UserAnnotation = LT for compound 1,1-Dichloropropene in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:36:06 PM	Manually integrate qualifier77.0 of compound Benzene in sample 19JAN04.D from x, y = 6.230, 0 to 6.328, 0; result = 1998			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:36:17 PM	Manually integrate compound 1,2-Dichloroethane in sample 19JAN04.D from x, y = 6.258, 0 to 6.361, 0; result = 2542			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:36:18 PM	Set UserAnnotation = NI for compound 1,2-Dichloroethane in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:36:21 PM	Manually integrate qualifier64.0 of compound 1,2-Dichloroethane in sample 19JAN04.D from x, y = 6.294, 0 to 6.372, 0; result = 628			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:36:23 PM	Manually integrate qualifier98.0 of compound 1,2-Dichloroethane in sample 19JAN04.D from x, y = 6.300, 0 to 6.367, 0; result = 60			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:36:31 PM	Manually integrate qualifier130.0 of compound Trichloroethene in sample 19JAN04.D from x, y = 6.994, 0 to 7.069, 0; result = 2386			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:36:32 PM	Manually integrate qualifier97.0 of compound Trichloroethene in sample 19JAN04.D from x, y = 6.983, 0 to 7.036, -23; result = 1304			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:36:33 PM	Manually integrate qualifier 97.0 of compound Trichloroethene in sample 19JAN04.D, from x, y = 7.053, 0 to 7.097, 0, result = 0; previous integration is from x, y = 6.983, 0 to 7.036, -23 and previous response = 1304.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:36:35 PM	Manually integrate qualifier 97.0 of compound Trichloroethene in sample 19JAN04.D, from x, y = 6.980, 0 to 7.072, 0, result = 1635; previous integration is from x, y = 7.053, 0 to 7.097, 0 and previous response = 0.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:36:40 PM	Manually integrate qualifier76.0 of compound 1,2-Dichloropropane in sample 19JAN04.D from x, y = 7.234, 0 to 7.323, 0; result = 691			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:36:46 PM	Manually integrate compound Dibromomethane in sample 19JAN04.D from x, y = 7.354, 0 to 7.446, 0; result = 1166			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:36:49 PM	Manually integrate qualifier95.0 of compound Dibromomethane in sample 19JAN04.D from x, y = 7.348, 0 to 7.443, 0; result = 663			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:36:51 PM	Manually integrate qualifier173.5 of compound Dibromomethane in sample 19JAN04.D from x, y = 7.357, 0 to 7.451, 0; result = 869			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:36:54 PM	Set UserAnnotation = NI for compound Dibromomethane in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:37:02 PM	Manually integrate qualifier85.0 of compound Bromodichloromethane in sample 19JAN04.D from x, y = 7.543, 0 to 7.644, 0; result = 1982			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:37:04 PM	Manually integrate qualifier127.0 of compound Bromodichloromethane in sample 19JAN04.D from x, y = 7.563, 0 to 7.633, 0; result = 121			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:37:10 PM	Manually integrate qualifier77.0 of compound cis-1,3-Dichloropropene in sample 19JAN04.D from x, y = 8.029, 0 to 8.107, 0; result = 1066			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:37:15 PM	Manually integrate qualifier39.0 of compound cis-1,3-Dichloropropene in sample 19JAN04.D from x, y = 8.018, 0 to 8.087, 0; result = 2172			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:37:21 PM	Manually integrate qualifier99.0 of compound Toluene-d8 in sample 19JAN04.D from x, y = 8.288, 0 to 8.349, 0; result = 942			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:37:34 PM	Manually integrate qualifier 77.0 of compound trans-1,3-Dichloropropene in sample 19JAN04.D, from x, y = 8.614, 0 to 8.651, 15, result = 467; previous integration is from x, y = 8.653, 0 to 8.692, 0 and previous response = 2767.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:37:41 PM	Manually integrate qualifier 77.0 of compound trans-1,3-Dichloropropene in sample 19JAN04.D, from x, y = 8.614, 0 to 8.656, 7, result = 542; previous integration is from x, y = 8.614, 0 to 8.651, 15 and previous response = 467.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\mchavez	1/19/2022 1:37:42 PM	Drop baseline for qualifier 77.0 of compound trans-1,3-Dichloropropene in sample 19JAN04.D to y = 0, new integration is from x, y = 8.614, 0 to 8.656, 0 and new response = 551; previous integration is from x, y = 8.614, 0 to 8.656, 7 and previous response = 542.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:37:45 PM	Manually integrate qualifier39.0 of compound trans-1,3-Dichloropropene in sample 19JAN04.D from x, y = 8.606, 0 to 8.662, 0; result = 1435			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:37:49 PM	Manually integrate compound trans-1,3-Dichloropropene in sample 19JAN04.D, from x, y = 8.598, 0 to 8.667, 0, result = 2153; previous integration is from x, y = 8.617, 0 to 8.667, 0 and previous response = 2153.				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound trans-1,3-Dichloropropene in sample ICAL011922_1. ---> Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound trans-1,3-Dichloropropene in sample ICAL011922_1. ---> System.IndexOutOfRangeException: Index was outside the bounds of the array. at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double& A_7, Double& A_8, Int32& A_9, Int32& A_10, Int32& A_11, Int32& A_12) at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double& fullWidthHalfMaximum, Double& symmetry) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList& peaklist) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QuantifierIon.SetManualIntegrationFailureMessage(Exception e) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd)

Name	User	Time	Action	Reason	Comment	Succeed	Exception
							at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:37:54 PM	Manually integrate compound trans-1,3-Dichloropropene in sample 19JAN04.D, from x, y = 8.598, 0 to 8.667, 0, result = 2153; previous integration is from x, y = 8.617, 0 to 8.667, 0 and previous response = 2153.				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound trans-1,3-Dichloropropene in sample ICAL011922_1. ---> Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound trans-1,3-Dichloropropene in sample ICAL011922_1. ---> System.IndexOutOfRangeException: Index was outside the bounds of the array. at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double& A_7, Double& A_8, Int32& A_9, Int32& A_10, Int32& A_11, Int32& A_12) at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double& fullWidthHalfMaximum, Double& symmetry) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList& peaklist) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QuantifierIon.SetManualIntegrationFailureMessage(Exception e) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd)

Name	User	Time	Action	Reason	Comment	Succeed	Exception
							at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:37:58 PM	Manually integrate compound trans-1,3-Dichloropropene in sample 19JAN04.D, from x, y = 8.595, 51 to 8.667, 0, result = 2153; previous integration is from x, y = 8.617, 0 to 8.667, 0 and previous response = 2153.				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound trans-1,3-Dichloropropene in sample ICAL011922_1. ---> Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for compound trans-1,3-Dichloropropene in sample ICAL011922_1. ---> System.IndexOutOfRangeException: Index was outside the bounds of the array. at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double& A_7, Double& A_8, Int32& A_9, Int32& A_10, Int32& A_11, Int32& A_12) at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double& fullWidthHalfMaximum, Double& symmetry) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList& peaklist) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QuantifierIon.SetManualIntegrationFailureMessage(Exception e) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd)

Name	User	Time	Action	Reason	Comment	Succeed	Exception
							at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegratePeak.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:38:08 PM	Manually integrate compound 1,1,2-Trichloroethane in sample 19JAN04.D from x, y = 8.770, 0 to 8.868, 0; result = 1045			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:38:09 PM	Set UserAnnotation = NI for compound 1,1,2-Trichloroethane in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:38:13 PM	Manually integrate qualifier97.0 of compound 1,1,2-Trichloroethane in sample 19JAN04.D from x, y = 8.759, 0 to 8.862, 0; result = 1421			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:38:15 PM	Manually integrate qualifier85.0 of compound 1,1,2-Trichloroethane in sample 19JAN04.D from x, y = 8.784, 0 to 8.860, 0; result = 685			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:38:21 PM	Manually integrate qualifier129.0 of compound Tetrachloroethene in sample 19JAN04.D from x, y = 8.907, 0 to 8.985, 0; result = 1872			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:38:27 PM	Manually integrate qualifier78.0 of compound 1,3-Dichloropropane in sample 19JAN04.D from x, y = 8.952, 0 to 9.007, 0; result = 606			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:38:45 PM	Manually integrate compound Chlorodibromomethane in sample 19JAN04.D from x, y = 9.166, 0 to 9.242, 0; result = 2004			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:38:47 PM	Manually integrate qualifier127.0 of compound Chlorodibromomethane in sample 19JAN04.D from x, y = 9.164, 0 to 9.242, 0; result = 1238			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:38:51 PM	Manually integrate compound 1,2-Dibromoethane in sample 19JAN04.D from x, y = 9.284, 0 to 9.367, 0; result = 1089			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:38:54 PM	Manually integrate qualifier109.0 of compound 1,2-Dibromoethane in sample 19JAN04.D from x, y = 9.284, 0 to 9.353, 0; result = 1084			✓	
CmdSetTargetCompoun dAttribute	BL2000\mchavez	1/19/2022 1:38:58 PM	Set UserAnnotation = NI for compound Chlorodibromomethane in sample 19JAN04.D; previous value =			✓	
CmdSetTargetCompoun dAttribute	BL2000\mchavez	1/19/2022 1:39:02 PM	Set UserAnnotation = NI for compound 1,2-Dibromoethane in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:40:54 PM	Manually integrate qualifier114.0 of compound Chlorobenzene in sample 19JAN04.D from x, y = 9.746, 0 to 9.841, 0; result = 2581			✓	
CmdManuallyIntegrateP eak	BL2000\mchavez	1/19/2022 1:41:03 PM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample 19JAN04.D from x, y = 9.847, 0 to 9.931, 0; result = 2284			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:41:05 PM	Manually integrate qualifier133.0 of compound 1,1,1,2-Tetrachloroethane in sample 19JAN04.D from x, y = 9.861, 0 to 9.961, 0; result = 2023			✓	
CmdSetTargetCompoun dAttribute	BL2000\mchavez	1/19/2022 1:41:09 PM	Set UserAnnotation = NI for compound 1,1,1,2-Tetrachloroethane in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegrateP eak	BL2000\mchavez	1/19/2022 1:41:22 PM	Manually integrate compound Bromoform in sample 19JAN04.D from x, y = 10.600, 0 to 10.667, 0; result = 928			✓	
CmdSetTargetCompoun dAttribute	BL2000\mchavez	1/19/2022 1:41:23 PM	Set UserAnnotation = NI for compound Bromoform in sample 19JAN04.D; previous value =			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:41:25 PM	Manually integrate qualifier174.5 of compound Bromoform in sample 19JAN04.D from x, y = 10.577, 0 to 10.650, 0; result = 195			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:41:27 PM	Manually integrate qualifier170.5 of compound Bromoform in sample 19JAN04.D from x, y = 10.583, 0 to 10.686, 0; result = 313			✓	
CmdManuallyIntegrateP eak	BL2000\mchavez	1/19/2022 1:41:33 PM	Manually integrate compound 1,1,2,2-Tetrachloroethane in sample 19JAN04.D from x, y = 11.082, 0 to 11.155, 0; result = 1247			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:41:35 PM	Manually integrate qualifier85.0 of compound 1,1,2,2-Tetrachloroethane in sample 19JAN04.D from x, y = 11.071, 0 to 11.141, 0; result = 694			✓	
CmdSetTargetCompoun dAttribute	BL2000\mchavez	1/19/2022 1:41:38 PM	Set UserAnnotation = NI for compound 1,1,2,2-Tetrachloroethane in sample 19JAN04.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:41:44 PM	Manually integrate compound 1,2,3-Trichloropropane in sample 19JAN04.D from x, y = 11.105, 0 to 11.185, 0; result = 358			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:41:46 PM	Manually integrate qualifier112.0 of compound 1,2,3-Trichloropropane in sample 19JAN04.D from x, y = 11.107, 0 to 11.177, 0; result = 151			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:41:55 PM	Manually integrate qualifier126.0 of compound 4-Chlorotoluene in sample 19JAN04.D from x, y = 11.364, 0 to 11.436, 0; result = 1561			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:41:59 PM	Manually integrate qualifier111.0 of compound 1,3-Dichlorobenzene in sample 19JAN04.D from x, y = 12.005, 0 to 12.064, 0; result = 1455			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:42:18 PM	Manually integrate qualifier 111.0 of compound 1,4-Dichlorobenzene in sample 19JAN04.D, from x, y = 12.120, 148 to 12.145, 0, result = 846; previous integration is from x, y = 12.072, 0 to 12.145, 0 and previous response = 4629.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\mchavez	1/19/2022 1:42:19 PM	Drop baseline for qualifier 111.0 of compound 1,4-Dichlorobenzene in sample 19JAN04.D to y = 0, new integration is from x, y = 12.120, 0 to 12.145, 0 and new response = 957; previous integration is from x, y = 12.120, 148 to 12.145, 0 and previous response = 846.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:42:27 PM	Manually integrate qualifier 148.0 of compound 1,4-Dichlorobenzene in sample 19JAN04.D, from x, y = 12.072, 0 to 12.150, 0, result = 3848; previous integration is from x, y = 12.097, 0 to 12.150, 0 and previous response = 3367.			✓	
CmdClearManualIntegration	BL2000\mchavez	1/19/2022 1:42:31 PM	Clear manual integration of qualifier 148.0 for compound 1,4-Dichlorobenzene in sample 19JAN04.D			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:42:41 PM	Manually integrate qualifier111.0 of compound 1,2-Dichlorobenzene in sample 19JAN04.D from x, y = 12.460, 0 to 12.555, 0; result = 1070			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:42:43 PM	Manually integrate qualifier148.0 of compound 1,2-Dichlorobenzene in sample 19JAN04.D from x, y = 12.451, 0 to 12.557, 0; result = 1992			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:42:49 PM	Set UserAnnotation = NI for compound 1,2,3-Trichloropropane in sample 19JAN04.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 1:43:01 PM	Set SampleApproved = True for sample 19JAN04.D; previous value = False			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:43:23 PM	Manually integrate qualifier174.5 of compound Bromoform in sample 19JAN05.D from x, y = 10.583, 0 to 10.684, 0; result = 2190			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:43:25 PM	Manually integrate qualifier170.5 of compound Bromoform in sample 19JAN05.D from x, y = 10.589, 0 to 10.672, 0; result = 2021			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:43:56 PM	Manually integrate qualifier 78.0 of compound 1,3-Dichloropropane in sample 19JAN05.D, from x, y = 8.943, 0 to 9.008, 0, result = 3558; previous integration is from x, y = 8.977, 0 to 9.008, 0 and previous response = 2157.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:44:17 PM	Manually integrate qualifier 39.0 of compound cis-1,3-Dichloropropene in sample 19JAN05.D, from x, y = 8.032, 112 to 8.099, 0, result = 7131; previous integration is from x, y = 8.054, 0 to 8.099, 0 and previous response = 4532.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\mchavez	1/19/2022 1:44:20 PM	Drop baseline for qualifier 39.0 of compound cis-1,3-Dichloropropene in sample 19JAN05.D to y = 0, new integration is from x, y = 8.032, 0 to 8.099, 0 and new response = 7356; previous integration is from x, y = 8.032, 112 to 8.099, 0 and previous response = 7131.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:44:24 PM	Manually integrate qualifier 39.0 of compound cis-1,3-Dichloropropene in sample 19JAN05.D, from x, y = 8.018, 0 to 8.099, 0, result = 7505; previous integration is from x, y = 8.032, 0 to 8.099, 0 and previous response = 7356.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:44:31 PM	Manually integrate qualifier127.0 of compound Bromodichloromethane in sample 19JAN05.D from x, y = 7.546, 0 to 7.624, 0; result = 1037			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	1/19/2022 1:44:42 PM	Manually integrate qualifier98.0 of compound 1,2-Dichloroethane in sample 19JAN05.D from x, y = 6.283, 0 to 6.386, 0; result = 950			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:45:06 PM	Manually integrate compound Bromochloromethane in sample 19JAN05.D, from x, y = 5.483, 0 to 5.552, 0, result = 4232; previous integration is from x, y = 5.497, 0 to 5.533, 0 and previous response = 3442.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:45:10 PM	Set UserAnnotation = LT for compound Bromochloromethane in sample 19JAN05.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:45:17 PM	Manually integrate qualifier72.0 of compound Methyl ethyl ketone in sample 19JAN05.D from x, y = 5.257, 0 to 5.329, 0; result = 2846			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:45:21 PM	Manually integrate qualifier 72.0 of compound Methyl ethyl ketone in sample 19JAN05.D, from x, y = 5.257, 0 to 5.338, 0, result = 2885; previous integration is from x, y = 5.257, 0 to 5.329, 0 and previous response = 2846.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:45:35 PM	Manually integrate qualifier 97.0 of compound 2,2-Dichloropropane in sample 19JAN05.D, from x, y = 5.154, 0 to 5.254, 0, result = 3837; previous integration is from x, y = 5.154, 0 to 5.196, 0 and previous response = 2025.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:45:50 PM	Manually integrate qualifier83.0 of compound 1,1-Dichloroethane in sample 19JAN05.D from x, y = 4.328, 0 to 4.440, 0; result = 2691			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 1:46:08 PM	Set SampleApproved = True for sample 19JAN05.D; previous value = False			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 1:46:18 PM	Set UserAnnotation = NI for compound 1,2,3-Trichloropropane in sample 19JAN05.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/19/2022 1:47:08 PM	Manually integrate qualifier98.0 of compound 1,2-Dichloroethane in sample 19JAN06.D from x, y = 6.283, 0 to 6.386, 0; result = 1846			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 1:47:52 PM	Set SampleApproved = True for sample 19JAN06.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\mchavez	1/19/2022 1:50:23 PM	Replace level 5 with Calibration sample 19JAN09.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane}; Replace level 4 with Calibration sample 19JAN07.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane}; Replace level 3 with Calibration sample 19JAN06.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane}; Replace level 2 with Calibration sample 19JAN05.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane}; Replace level 1 with Calibration sample 19JAN04.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane};				
CmdQuantitate	BL2000\mchavez	1/19/2022 1:50:32 PM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 1:50:46 PM	Set LevelEnable = False for calibration level 6, levelId = 25 of compound 1,2-Dichloroethane-d4 in sample 19JAN09.D; previous value = True			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 1:50:47 PM	Set LevelEnable = False for calibration level 7, levelId = 24 of compound 1,2-Dichloroethane-d4 in sample 19JAN09.D; previous value = True			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 1:50:49 PM	Set LevelEnable = False for calibration level 8, levelId = 23 of compound 1,2-Dichloroethane-d4 in sample 19JAN09.D; previous value = True			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 1:50:57 PM	Quantitate all compounds in all samples			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 1:51:06 PM	Set LevelEnable = True for calibration level 1, levelId = 36 of compound 1,2-Dichloroethane-d4 in sample 19JAN09.D; previous value = False			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 1:51:17 PM	Quantitate all compounds in all samples			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 1:51:52 PM	Set LevelEnable = False for calibration level 1, levelId = 36 of compound 1,2-Dichloroethane-d4 in sample 19JAN09.D; previous value = True			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 1:52:09 PM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN10.D			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 1:52:20 PM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	1/19/2022 1:53:31 PM	Manually integrate compound 1,2-Dichloroethane-d4 in sample 19JAN05.D, from x, y = 6.191, 0 to 6.266, 0, result = 4197; previous integration is from x, y = 6.208, 0 to 6.266, 0 and previous response = 3982.			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 1:53:58 PM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\mchavez	1/19/2022 1:54:14 PM	Replace level 5 with Calibration sample 19JAN09.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichloroethane-d4}; Replace level 4 with Calibration sample 19JAN07.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichloroethane-d4}; Replace level 3 with Calibration sample 19JAN06.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichloroethane-d4}; Replace level 2 with Calibration sample 19JAN05.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8,				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichloroethane-d4}; Replace level 1 with Calibration sample 19JAN04.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichloroethane-d4};				
CmdQuantitate	BL2000\mchavez	1/19/2022 1:54:22 PM	Quantitate all compounds in all samples			✓	
CmdStartMethodEditing	BL2000\mchavez	1/19/2022 2:05:48 PM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\mchavez	1/19/2022 2:05:48 PM	Import method from sample 19JAN03.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdApplyMethodToAllSamples	BL2000\mchavez	1/19/2022 2:06:21 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\mchavez	1/19/2022 2:06:21 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\mchavez	1/19/2022 2:06:22 PM	End method editing			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 2:06:30 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	1/19/2022 2:10:42 PM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	1/19/2022 2:16:39 PM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 2:17:28 PM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN11.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 2:17:33 PM	Set SampleType = Calibration for sample 19JAN11.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 2:17:36 PM	Set LevelName = 6 for sample 19JAN11.D; previous value =			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 2:17:47 PM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 2:19:19 PM	Set SampleApproved = True for sample 19JAN11.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\mchavez	1/19/2022 2:19:30 PM	Replace level 6 with Calibration sample 19JAN11.D for compounds {1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene};			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 2:19:51 PM	Quantitate all compounds in all samples			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 2:20:01 PM	Set LevelEnable = True for calibration level 6, levelId = 37 of compound 1,2-Dichloroethane-d4 in sample 19JAN03.D; previous value = False			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 2:20:14 PM	Quantitate all compounds in all samples			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 2:20:37 PM	Set LevelEnable = True for calibration level 1, levelId = 36 of compound 1,2-Dichloroethane-d4 in sample 19JAN03.D; previous value = False			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 2:20:47 PM	Quantitate all compounds in all samples			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 2:20:59 PM	Set LevelEnable = False for calibration level 1, levelId = 36 of compound 1,2-Dichloroethane-d4 in sample 19JAN03.D; previous value = True			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 2:21:09 PM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 2:32:34 PM	Set CurveFit = fitQuadratic for compound 1,2-Dichloroethane-d4 in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 2:32:45 PM	Set CurveFit = fitAverageOfResponseFactors for compound 1,2-Dichloroethane-d4 in all samples; previous value = fitQuadratic			✓	
CmdSaveBatchTable	BL2000\mchavez	1/19/2022 2:33:16 PM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	1/19/2022 2:50:30 PM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 2:50:47 PM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN12.D			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 2:50:59 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	1/19/2022 2:56:02 PM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	1/19/2022 3:11:37 PM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 3:11:57 PM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN13.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 3:12:03 PM	Set SampleType = Calibration for sample 19JAN13.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 3:12:07 PM	Set LevelName = 7 for sample 19JAN13.D; previous value =			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 3:12:17 PM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 3:14:06 PM	Set SampleApproved = True for sample 19JAN13.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\mchavez	1/19/2022 3:14:17 PM	Replace level 7 with Calibration sample 19JAN13.D for compounds {1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene};			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 3:14:35 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	1/19/2022 3:14:43 PM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	1/19/2022 3:21:12 PM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 3:22:01 PM	Set LevelEnable = True for calibration level 7, levelId = 38 of compound 1,2-Dichloroethane-d4 in sample 19JAN03.D; previous value = False			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 3:22:13 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 3:26:11 PM	Set CurveFit = fitQuadratic for compound 1,2-Dichloroethane-d4 in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 3:26:23 PM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 3:26:39 PM	Set CurveFit = fitLinear for compound 1,2-Dichloroethane-d4 in all samples; previous value = fitQuadratic			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 3:26:50 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/19/2022 3:26:57 PM	Set CurveFit = fitAverageOfResponseFactors for compound 1,2-Dichloroethane-d4 in all samples; previous value = fitLinear			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 3:27:09 PM	Quantitate all compounds in all samples			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 3:34:54 PM	Set LevelEnable = False for calibration level 8, levelId = 23 of compound Bromomethane in sample 19JAN03.D; previous value = True			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 3:35:06 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	1/19/2022 3:35:47 PM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	1/19/2022 4:04:53 PM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 4:05:15 PM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN15.D, D:\Org\Data\VOA5975C\VG011922\19JAN14.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 4:05:22 PM	Set SampleType = Calibration for sample 19JAN15.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 4:05:28 PM	Set LevelName = 8 for sample 19JAN15.D; previous value =			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 4:05:39 PM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 4:07:07 PM	Set SampleApproved = True for sample 19JAN15.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\mchavez	1/19/2022 4:07:19 PM	Replace level 8 with Calibration sample 19JAN15.D for compounds {1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene};			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 4:07:38 PM	Quantitate all compounds in all samples			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 4:07:45 PM	Set LevelEnable = True for calibration level 8, levelId = 39 of compound 1,2-Dichloroethane-d4 in sample 19JAN03.D; previous value = False			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 4:08:00 PM	Quantitate all compounds in all samples			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 4:08:26 PM	Set LevelEnable = True for calibration level 1, levelId = 36 of compound 1,2-Dichloroethane-d4 in sample 19JAN03.D; previous value = False			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 4:10:52 PM	Quantitate all compounds in all samples			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 4:11:25 PM	Set LevelEnable = False for calibration level 1, levelId = 36 of compound 1,2-Dichloroethane-d4 in sample 19JAN03.D; previous value = True			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 4:11:37 PM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 4:19:40 PM	Set LevelEnable = False for calibration level 8, levelId = 39 of compound 1,2-Dichloroethane-d4 in sample 19JAN03.D; previous value = True			✓	
CmdSetLevelEnable	BL2000\mchavez	1/19/2022 4:19:44 PM	Set LevelEnable = True for calibration level 8, levelId = 39 of compound 1,2-Dichloroethane-d4 in sample 19JAN03.D; previous value = False			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 4:19:56 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	1/19/2022 4:21:48 PM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	1/19/2022 4:59:06 PM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/19/2022 5:00:01 PM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN17.D, D:\Org\Data\VOA5975C\VG011922\19JAN16.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 5:01:06 PM	Set SampleType = QC for sample 19JAN17.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 5:01:14 PM	Set LevelName = QC for sample 19JAN17.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/19/2022 5:01:17 PM	Set SampleInformation = LCSA for sample 19JAN17.D; previous value =			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 5:01:32 PM	Quantitate all compounds in all samples			✓	
CmdStartMethodEditing	BL2000\mchavez	1/19/2022 5:01:59 PM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\mchavez	1/19/2022 5:01:59 PM	Import method from sample 19JAN17.D			✓	
CmdApplyMethodToAllSamples	BL2000\mchavez	1/19/2022 5:02:57 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\mchavez	1/19/2022 5:02:57 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\mchavez	1/19/2022 5:02:58 PM	End method editing			✓	
CmdQuantitate	BL2000\mchavez	1/19/2022 5:03:10 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	1/19/2022 5:03:34 PM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	1/20/2022 8:25:52 AM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdImportSamplesFromWorklist	BL2000\mchavez	1/20/2022 8:26:56 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN23.D, D:\Org\Data\VOA5975C\VG011922\19JAN22.D, D:\Org\Data\VOA5975C\VG011922\19JAN21.D, D:\Org\Data\VOA5975C\VG011922\19JAN20.D, D:\Org\Data\VOA5975C\VG011922\19JAN19.D, D:\Org\Data\VOA5975C\VG011922\19JAN18.D			✓	
CmdQuantitate	BL2000\mchavez	1/20/2022 8:27:14 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:49:42 AM	Set UserAnnotation = NI for compound Chloromethane in sample 19JAN03.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:49:46 AM	Set UserAnnotation = NI for compound Vinyl chloride in sample 19JAN03.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:49:53 AM	Set UserAnnotation = NI for compound Bromomethane in sample 19JAN03.D; previous value =			✓	
CmdSetLevelEnable	BL2000\mchavez	1/20/2022 8:50:00 AM	Set LevelEnable = True for calibration level 8, levelId = 39 of compound Bromomethane in sample 19JAN17.D; previous value = False			✓	
CmdQuantitate	BL2000\mchavez	1/20/2022 8:50:17 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:50:23 AM	Set CurveFit = fitQuadratic for compound Bromomethane in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:50:26 AM	Set CurveFitWeight = weightOneOverX for compound Bromomethane in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\mchavez	1/20/2022 8:50:40 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:50:59 AM	Set CurveFit = fitAverageOfResponseFactors for compound Bromomethane in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:51:02 AM	Set CurveFitWeight = weightEqual for compound Bromomethane in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\mchavez	1/20/2022 8:51:17 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:51:24 AM	Set CurveFit = fitQuadratic for compound Bromomethane in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:51:26 AM	Set CurveFitWeight = weightOneOverX for compound Bromomethane in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\mchavez	1/20/2022 8:51:40 AM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 8:52:05 AM	Set SampleApproved = True for sample 19JAN07.D; previous value = False			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:52:22 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 19JAN03.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:53:54 AM	Set UserAnnotation = LT for compound 1,2-Dichloroethane-d4 in sample 19JAN05.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:57:21 AM	Set CurveFit = fitQuadratic for compound Ethylbenzene in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:57:23 AM	Set CurveFitWeight = weightOneOverX for compound Ethylbenzene in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\mchavez	1/20/2022 8:57:42 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:57:51 AM	Set CurveFit = fitQuadratic for compound m+p-Xylenes in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:57:53 AM	Set CurveFitWeight = weightOneOverX for compound m+p-Xylenes in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\mchavez	1/20/2022 8:58:12 AM	Quantitate all compounds in all samples			✓	
CmdSetLevelEnable	BL2000\mchavez	1/20/2022 8:58:28 AM	Set LevelEnable = True for calibration level 1, levelId = 36 of compound o-Xylene in sample 19JAN17.D; previous value = False			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:58:32 AM	Set CurveFit = fitQuadratic for compound o-Xylene in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:58:35 AM	Set CurveFitWeight = weightOneOverX for compound o-Xylene in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\mchavez	1/20/2022 8:58:51 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:59:06 AM	Set CurveFit = fitQuadratic for compound Styrene in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	1/20/2022 8:59:09 AM	Set CurveFitWeight = weightOneOverX for compound Styrene in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\mchavez	1/20/2022 8:59:24 AM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 9:07:29 AM	Set SampleApproved = True for sample 19JAN17.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 9:13:44 AM	Set SampleApproved = True for sample 19JAN03.D; previous value = False			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	1/20/2022 9:25:54 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG011922\19JAN09CC.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 9:26:13 AM	Set SampleType = CC for sample 19JAN09CC.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 9:26:21 AM	Set LevelName = CC for sample 19JAN09CC.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 9:26:37 AM	Set SampleName = CC011922_ for sample 19JAN09CC.D; previous value = ICAL011922_5			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 9:26:55 AM	Set UserDefined = Reimported CAL5 as CC for sample 19JAN09CC.D; previous value =			✓	
CmdQuantitate	BL2000\mchavez	1/20/2022 9:27:20 AM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 9:27:48 AM	Set SampleApproved = True for sample 19JAN09CC.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 9:27:48 AM	Set SampleApproved = False for sample 19JAN09CC.D; previous value = True			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\mchavez	1/20/2022 9:28:13 AM	Replace level CC with CC sample 19JAN09CC.D for compounds {1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene}; Replace level QC with QC sample 19JAN17.D for compounds {1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene}; Replace level 8 with Calibration sample 19JAN15.D for compounds {1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene}; Replace level 7 with Calibration sample 19JAN13.D for compounds {1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene,				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene}; Replace level 6 with Calibration sample 19JAN11.D for compounds {1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene}; Replace level 5 with Calibration sample 19JAN09.D for compounds {1,4-Dichlorobenzene, 1,3-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene}; Replace level 4 with Calibration sample 19JAN07.D for compounds {1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene}; Replace level 3 with Calibration sample 19JAN06.D for compounds {1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene}; Replace level 2 with Calibration sample 19JAN05.D for compounds {1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8,				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene}; Replace level 1 with Calibration sample 19JAN04.D for compounds {1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, 1,2-Dichlorobenzene};				
CmdQuantitate	BL2000\mchavez	1/20/2022 9:28:29 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 9:28:41 AM	Set SampleApproved = True for sample 19JAN09CC.D; previous value = False			✓	
CmdStartMethodEditing	BL2000\mchavez	1/20/2022 9:29:11 AM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\mchavez	1/20/2022 9:29:11 AM	Import method from sample 19JAN04.D			✓	
CmdSaveMethodAs	BL2000\mchavez	1/20/2022 9:31:09 AM	Save method to file \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_011922_CAL\VOA5975C_8260B_SHT_DoD_L4_011922.m			✓	
CmdApplyMethodToAllSamples	BL2000\mchavez	1/20/2022 9:31:23 AM	Apply method to all samples			✓	
CmdMethodClear	BL2000\mchavez	1/20/2022 9:31:23 AM	Clear method			✓	
CmdEndMethodEditing	BL2000\mchavez	1/20/2022 9:31:24 AM	End method editing			✓	
CmdQuantitate	BL2000\mchavez	1/20/2022 9:31:41 AM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 9:31:55 AM	Set SampleApproved = True for sample 19JAN02.D; previous value = False			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	1/20/2022 9:32:21 AM	Manually integrate qualifier66.0 of compound Chloroethane in sample 19JAN19.D from x, y = 1.869, 0 to 1.983, 0; result = 2724			✓	
CmdManuallyIntegrateMerge	BL2000\mchavez	1/20/2022 9:32:26 AM	Merge peak with left peak for qualifier 84.0 of compound Methylene chloride in sample 19JAN19.D, new integration is from x, y = 3.291, 0 to 3.388, 0 and new response = 11921;previous integration is from x, y = 3.291, 0 to 3.388, 0 and previous response = 11921.			✓	
CmdManuallyIntegrateMerge	BL2000\mchavez	1/20/2022 9:32:29 AM	Merge peak with left peak for compound Methylene chloride in sample 19JAN19.D, new integration is from x, y = 3.285, 0 to 3.388, 0 and new response = 17624; previous integration is from x, y= 3.327, 0 to 3.388, 0 and previous response =11453.			✓	
CmdSaveBatchTable	BL2000\mchavez	1/20/2022 9:47:49 AM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	1/20/2022 10:19:52 AM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 10:20:43 AM	Set SampleType = Blank for sample 19JAN22.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	1/20/2022 10:20:49 AM	Set SampleType = Blank for sample 19JAN23.D; previous value = Sample			✓	
CmdStartMethodEditing	BL2000\mchavez	1/20/2022 10:21:04 AM	Start method editing			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdImportMethodFromSample	BL2000\mchavez	1/20/2022 10:21:04 AM	Import method from sample 19JAN04.D			✓	
CmdSaveMethodAs	BL2000\mchavez	1/20/2022 10:22:36 AM	Save method to file \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_011922_CAL\VOA5975C_8260B_SHT_DoD_L4_011922.m			✓	
CmdApplyMethodToAllSamples	BL2000\mchavez	1/20/2022 10:22:46 AM	Apply method to all samples			✓	
CmdMethodClear	BL2000\mchavez	1/20/2022 10:22:46 AM	Clear method			✓	
CmdEndMethodEditing	BL2000\mchavez	1/20/2022 10:22:47 AM	End method editing			✓	
CmdQuantitate	BL2000\mchavez	1/20/2022 10:23:06 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	1/20/2022 10:23:19 AM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	1/22/2022 1:02:27 PM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	
CmdStartMethodEditing	BL2000\mchavez	1/22/2022 1:02:42 PM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\mchavez	1/22/2022 1:02:42 PM	Import method from sample 19JAN01.D			✓	
CmdSaveMethodAs	BL2000\mchavez	1/22/2022 1:03:52 PM	Save method to file \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_011922_CAL\VOA5975C_8260B_SHT_DoD_L4_011922.m			✓	
CmdApplyMethodToAllSamples	BL2000\mchavez	1/22/2022 1:04:05 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\mchavez	1/22/2022 1:04:05 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\mchavez	1/22/2022 1:04:06 PM	End method editing			✓	
CmdQuantitate	BL2000\mchavez	1/22/2022 1:04:23 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	1/22/2022 1:16:10 PM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
GenerateReport	BL2000\mchavez	1/22/2022 1:17:28 PM	Generates report - Method: \\MASSHUNTER\Org\reports\LevelIV_Reports\Calibration\01_Init_Cal+Gen_Calibration+Gen_ResultsSummary.m, Output Path: D:\Org\Data\VOA5975C\VG011922\QuantReports\VG011922_8260B			✓	
CmdStartMethodEditing	BL2000\mchavez	1/22/2022 1:22:07 PM	Start method editing			✓	
CmdImportMethodFromFile	BL2000\mchavez	1/22/2022 1:22:08 PM	Import method from file \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_011922_CAL\VOA5975C_8260B_SHT_DoD_L4_011922.m			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdApplyMethodToAllSamples	BL2000\mchavez	1/22/2022 1:22:19 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\mchavez	1/22/2022 1:22:19 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\mchavez	1/22/2022 1:22:19 PM	End method editing			✓	
CmdQuantitate	BL2000\mchavez	1/22/2022 1:22:36 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	1/22/2022 1:22:47 PM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
GenerateReport	BL2000\mchavez	1/22/2022 1:23:39 PM	Generates report - Method: \\MASSHUNTER\Org\reports\LevelIV_Reports\Calibration\01_Init_Cal+Gen_Calibration+Gen_ResultsSummary.m, Output Path: D:\Org\Data\VOA5975C\VG011922\QuantReports\VG011922_8260B-1			✓	
CmdSetLevelEnable	BL2000\mchavez	1/22/2022 1:26:22 PM	Set LevelEnable = False for calibration level 1, levelId = 9 of compound 1,2,3-Trichloropropane in sample 19JAN01.D; previous value = True			✓	
CmdQuantitate	BL2000\mchavez	1/22/2022 1:26:43 PM	Quantitate all compounds in all samples			✓	
CmdQuantitate	BL2000\mchavez	1/22/2022 1:30:44 PM	Quantitate all compounds in all samples			✓	
CmdStartMethodEditing	BL2000\mchavez	1/22/2022 1:30:55 PM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\mchavez	1/22/2022 1:30:55 PM	Import method from sample 19JAN04.D			✓	
CmdSaveMethodAs	BL2000\mchavez	1/22/2022 1:31:07 PM	Save method to file \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_011922_CAL\VOA5975C_8260B_SHT_DoD_L4_011922.m			✓	
CmdApplyMethodToAllSamples	BL2000\mchavez	1/22/2022 1:31:24 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\mchavez	1/22/2022 1:31:24 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\mchavez	1/22/2022 1:31:24 PM	End method editing			✓	
CmdQuantitate	BL2000\mchavez	1/22/2022 1:31:40 PM	Quantitate all compounds in all samples			✓	
CmdStartMethodEditing	BL2000\mchavez	1/22/2022 1:32:14 PM	Start method editing			✓	
CmdImportMethodFromFile	BL2000\mchavez	1/22/2022 1:32:15 PM	Import method from file \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_011922_CAL\VOA5975C_8260B_SHT_DoD_L4_011922.m			✓	
CmdApplyMethodToAllSamples	BL2000\mchavez	1/22/2022 1:32:26 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\mchavez	1/22/2022 1:32:26 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\mchavez	1/22/2022 1:32:26 PM	End method editing			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdQuantitate	BL2000\mchavez	1/22/2022 1:32:42 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	1/22/2022 1:34:07 PM	Save batch D:\Org\Data\VOA5975C\VG011922\QuantResults\VG011922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	1/22/2022 1:34:47 PM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	
GenerateReport	BL2000\mchavez	1/22/2022 1:35:58 PM	Generates report - Method: \\MASSHUNTER\Org\reports\LevelIV_Reports\Calibration\01_Init_Cal+Gen_Calibration+Gen_ResultsSummary.m, Output Path: D:\Org\Data\VOA5975C\VG011922\QuantReports\VG011922_8260B-2			✓	
CmdOpenBatchTable	BL2000\mchavez	2/14/2022 3:08:22 PM	Open batch D:\Org\Data\VOA5975C\VG011922\VG011922_8260B.batch.bin			✓	
GenerateReport	BL2000\mchavez	2/14/2022 3:09:56 PM	Generates report - Method: \\MASSHUNTER\Org\reports\LevelIV_Reports\Calibration\Gen_ResultsSummary.m, Output Path: D:\Org\Data\VOA5975C\VG011922\QuantReports\VG011922_8260B-3			✓	

Energy Laboratories Inc

ANALYTICAL RUN Summary

14-Feb-22

Run ID VOA5975C.I_220209A

Run Start Date:	2/9/2022
Analyst:	Melissa Chavez
Ical:	
Column ID:	
Comments:	

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
VOCF3546B	Liquids	1.05	ul	42	ml	CCV	2/13/2022
VOCF3559B	MtBE	1.05	ul	42	ml	CCV	2/27/2022
VOCF3567A	2nd Source Ketones	1.05	ul	42	ml	LCS, MS, M	2/12/2022
VOCF3579A	2nd Source Liquids	1.05	ul	42	ml	LCS, MS, M	2/28/2022
VOCF3582A	2nd Source MtBE	1.05	ul	42	ml	LCS, MS, M	3/1/2022
VOCF3586A	Gases	1.05	ul	42	ml	CCV	2/9/2022
VOCF3589A	2nd Source Gases	1.05	ul	42	ml	LCS, MS, M	2/10/2022
VOCF3590	Internal Standard / Surrogates (INT/SURR)	8.4	ul	42	ml	ALL (TUNE	8/3/2022
VOCF3593	Ketones	1.05	ul	42	ml	CCV	3/4/2022

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033662	09FEB02_D_TU	VOC-8260-BFB	TUNE	)A5975C\VG020	2/9/2022 5:49:00	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
173, % of mass 174	A	%	1.3	1.3		100	0	0	0	0	0	1%	0	1.99	0%	
174, % of mass 95	A	%	96.3	96.3		100	0	0	0	0	0	96%	50	99.99	0%	
175, % of mass 174	A	%	7.8	7.8		100	0	0	0	0	0	8%	5	9	0%	
176, % of mass 174	A	%	96.2	96.2		100	0	0	0	0	0	96%	95	101	0%	
177, % of mass 176	A	%	6.7	6.7		100	0	0	0	0	0	7%	5	9	0%	
50, % of mass 95	A	%	21.4	21.4		100	0	0	0	0	0	21%	15	40	0%	
75, % of mass 95	A	%	50.9	50.9		100	0	0	0	0	0	51%	30	60	0%	
95, Base Peak	A	%	100	100		100	0	0	0	0	0	100%	0	100	0%	
96, % of mass 95	A	%	5.8	5.8		100	0	0	0	0	0	6%	5	9	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033674	CCV020922_	VOC-8260-W-Q	CCV	)A5975C\VG020	2/9/2022 6:25:36	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	126.45972	5.0583888		5	0	0	0.101	0.5	500	101%	80	120	0%	
1,1,1-Trichloroethane	A	ug/L	126.14401	5.0457604		5	0	0	0.131	0.5	500	101%	80	120	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	128.70694	5.1482776		5	0	0	0.0872	0.5	500	103%	80	120	0%	
1,1,2-Trichloroethane	A	ug/L	131.09041	5.2436164		5	0	0	0.108	0.5	500	105%	80	120	0%	
1,1-Dichloroethane	A	ug/L	126.47885	5.059154		5	0	0	0.135	0.5	500	101%	80	120	0%	
1,1-Dichloroethene	A	ug/L	124.20939	4.9683756		5	0	0	0.141	0.5	500	99%	80	120	0%	
1,1-Dichloropropene	A	ug/L	129.28308	5.1713232		5	0	0	0.083	0.5	500	103%	80	120	0%	
1,2,3-Trichloropropane	A	ug/L	127.97249	5.1188996		5	0	0	0.235	0.5	500	102%	80	120	0%	
1,2-Dibromoethane	A	ug/L	128.91837	5.1567348		5	0	0	0.0916	0.5	500	103%	80	120	0%	
1,2-Dichlorobenzene	A	ug/L	123.89496	4.9557984		5	0	0	0.0746	0.5	500	99%	80	120	0%	
1,2-Dichloroethane	A	ug/L	130.00689	5.2002756		5	0	0	0.116	0.5	500	104%	80	120	0%	
1,2-Dichloropropane	A	ug/L	127.51823	5.1007292		5	0	0	0.0847	0.5	500	102%	80	120	0%	
1,3-Dichlorobenzene	A	ug/L	121.19168	4.8476672		5	0	0	0.0803	0.5	500	97%	80	120	0%	
1,3-Dichloropropane	A	ug/L	132.30548	5.2922192		5	0	0	0.0791	0.5	500	106%	80	120	0%	
1,4-Dichlorobenzene	A	ug/L	123.2486	4.929944		5	0	0	0.0858	0.5	500	99%	80	120	0%	
2,2-Dichloropropane	A	ug/L	129.47329	5.1789316		5	0	0	0.186	0.5	500	104%	80	120	0%	
2-Chlorotoluene	A	ug/L	124.91449	4.9965796		5	0	0	0.0876	0.5	500	100%	80	120	0%	
4-Chlorotoluene	A	ug/L	130.05365	5.202146		5	0	0	0.0728	0.5	500	104%	80	120	0%	
Benzene	A	ug/L	127.74533	5.1098132		5	0	0	0.0914	0.5	500	102%	80	120	0%	
Bromobenzene	A	ug/L	124.69114	4.9876456		5	0	0	0.0831	0.5	500	100%	80	120	0%	
Bromochloromethane	A	ug/L	127.65228	5.1060912		5	0	0	0.141	0.5	500	102%	80	120	0%	
Bromodichloromethane	A	ug/L	128.01898	5.1207592		5	0	0	0.12	0.5	500	102%	80	120	0%	
Bromoform	A	ug/L	122.0869	4.883476		5	0	0	0.119	0.5	500	98%	80	120	0%	
Bromomethane	A	ug/L	108.18978	4.3275912		5	0	0	0.253	0.5	500	87%	80	120	0%	
Carbon tetrachloride	A	ug/L	122.85419	4.9141676		5	0	0	0.143	0.5	500	98%	80	120	0%	
Chlorobenzene	A	ug/L	126.56701	5.0626804		5	0	0	0.0914	0.5	500	101%	80	120	0%	
Chlorodibromomethane	A	ug/L	128.04966	5.1219864		5	0	0	0.0841	0.5	500	102%	80	120	0%	
Chloroethane	A	ug/L	126.81568	5.0726272		5	0	0	0.169	0.5	500	101%	80	120	0%	
Chloroform	A	ug/L	121.3772	4.855088		5	0	0	0.0789	0.5	500	97%	80	120	0%	
Chloromethane	A	ug/L	122.18359	4.8873436		5	0	0	0.162	0.5	500	98%	80	120	0%	
cis-1,2-Dichloroethene	A	ug/L	127.61629	5.1046516		5	0	0	0.108	0.5	500	102%	80	120	0%	
cis-1,3-Dichloropropene	A	ug/L	121.91235	4.876494		5	0	0	0.073	0.5	500	98%	80	120	0%	
Dibromomethane	A	ug/L	135.49343	5.4197372		5	0	0	0.147	0.5	500	108%	80	120	0%	
Dichlorodifluoromethane	A	ug/L	118.19502	4.7278008		5	0	0	0.175	0.5	500	95%	80	120	0%	
Ethylbenzene	A	ug/L	124.49182	4.9796728		5	0	0	0.0836	0.5	500	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033674	CCV020922_	VOC-8260-W-Q	CCV	)A5975C\VG020	2/9/2022 6:25:36	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
m+p-Xylenes	A	ug/L	250.48071	10.0192284		10	0	0	0.15	0.5	1000	100%	80	120	0%	
Methyl ethyl ketone	A	ug/L	1242.82113	49.7128452		50	0	0	1.77	10	5000	99%	80	120	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	123.09731	4.9238924		5	0	0	0.101	0.5	500	98%	80	120	0%	
Methylene chloride	A	ug/L	124.76273	4.9905092		5	0	0	0.338	0.5	500	100%	80	120	0%	
o-Xylene	A	ug/L	124.8863	4.995452		5	0	0	0.0604	0.5	500	100%	80	120	0%	
Styrene	A	ug/L	129.21373	5.1685492		5	0	0	0.067	0.5	500	103%	80	120	0%	
Tetrachloroethene	A	ug/L	122.92843	4.9171372		5	0	0	0.0671	0.5	500	98%	80	120	0%	
Toluene	A	ug/L	129.76392	5.1905568		5	0	0	0.0679	0.5	500	104%	80	120	0%	
trans-1,2-Dichloroethene	A	ug/L	122.7343	4.909372		5	0	0	0.125	0.5	500	98%	80	120	0%	
trans-1,3-Dichloropropene	A	ug/L	133.0202	5.320808		5	0	0	0.0846	0.5	500	106%	80	120	0%	
Trichloroethene	A	ug/L	126.10072	5.0440288		5	0	0	0.0993	0.5	500	101%	80	120	0%	
Trichlorofluoromethane	A	ug/L	120.31842	4.8127368		5	0	0	0.134	0.5	500	96%	80	120	0%	
Vinyl chloride	A	ug/L	118.71528	4.7486112		5	0	0	0.153	0.5	500	95%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Xylenes, Total	M	ug/L	375.36701	15.0146804		15	0	0	0.0604	0.5	1500	100%	80	120	0%	
1,2-Dichloroethane-d4	S	ug/L	290.06696	11.6026784		10	0	0	0.229	0.5	500	116%	80	120	0%	
Dibromofluoromethane	S	ug/L	272.65563	10.9062252		10	0	0	0.129	0.5	500	109%	80	120	0%	
p-Bromofluorobenzene	S	ug/L	256.9824	10.279296		10	0	0	0.149	0.5	500	103%	80	120	0%	
Toluene-d8	S	ug/L	273.94897	10.9579588		10	0	0	0.23	0.5	500	110%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033675	LCS020922_	VOC-8260-W-Q	LCS-DOD	)A5975C\VG020	2/9/2022 7:01:15	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	120.70123	4.8280492		5	0	0	0.101	0.5	500	97%	78	124	0%	
1,1,1-Trichloroethane	A	ug/L	126.07837	5.0431348		5	0	0	0.131	0.5	500	101%	74	131	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	125.8774	5.035096		5	0	0	0.0872	0.5	500	101%	71	121	0%	
1,1,2-Trichloroethane	A	ug/L	122.56824	4.9027296		5	0	0	0.108	0.5	500	98%	80	119	0%	
1,1-Dichloroethane	A	ug/L	127.18752	5.0875008		5	0	0	0.135	0.5	500	102%	77	125	0%	
1,1-Dichloroethene	A	ug/L	123.031	4.92124		5	0	0	0.141	0.5	500	98%	71	131	0%	
1,1-Dichloropropene	A	ug/L	121.89807	4.8759228		5	0	0	0.083	0.5	500	98%	79	125	0%	
1,2,3-Trichloropropane	A	ug/L	122.94162	4.9176648		5	0	0	0.235	0.5	500	98%	73	125	0%	
1,2-Dibromoethane	A	ug/L	124.75559	4.9902236		5	0	0	0.0916	0.5	500	100%	78	122	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033675	LCS020922_	VOC-8260-W-Q	LCS-DOD	)A5975C\VG020	2/9/2022 7:01:15	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichlorobenzene	A	ug/L	124.65404	4.9861616		5	0	0	0.0746	0.5	500	100%	80	119	0%	
1,2-Dichloroethane	A	ug/L	120.37653	4.8150612		5	0	0	0.116	0.5	500	96%	73	128	0%	
1,2-Dichloropropane	A	ug/L	123.15784	4.9263136		5	0	0	0.0847	0.5	500	99%	78	122	0%	
1,3-Dichlorobenzene	A	ug/L	126.08166	5.0432664		5	0	0	0.0803	0.5	500	101%	80	119	0%	
1,3-Dichloropropane	A	ug/L	122.28776	4.8915104		5	0	0	0.0791	0.5	500	98%	80	119	0%	
1,4-Dichlorobenzene	A	ug/L	123.64993	4.9459972		5	0	0	0.0858	0.5	500	99%	79	118	0%	
2,2-Dichloropropane	A	ug/L	129.00237	5.1600948		5	0	0	0.186	0.5	500	103%	60	139	0%	
2-Chlorotoluene	A	ug/L	123.80345	4.952138		5	0	0	0.0876	0.5	500	99%	79	122	0%	
4-Chlorotoluene	A	ug/L	128.38085	5.135234		5	0	0	0.0728	0.5	500	103%	78	122	0%	
Benzene	A	ug/L	125.51567	5.0206268		5	0	0	0.0914	0.5	500	100%	79	120	0%	
Bromobenzene	A	ug/L	125.60781	5.0243124		5	0	0	0.0831	0.5	500	100%	80	120	0%	
Bromochloromethane	A	ug/L	121.46195	4.858478		5	0	0	0.141	0.5	500	97%	78	123	0%	
Bromodichloromethane	A	ug/L	123.93721	4.9574884		5	0	0	0.12	0.5	500	99%	79	125	0%	
Bromoform	A	ug/L	126.96612	5.0786448		5	0	0	0.119	0.5	500	102%	66	130	0%	
Bromomethane	A	ug/L	92.1347	3.685388		5	0	0	0.253	0.5	500	74%	53	141	0%	
Carbon tetrachloride	A	ug/L	120.22666	4.8090664		5	0	0	0.143	0.5	500	96%	72	136	0%	
Chlorobenzene	A	ug/L	126.26606	5.0506424		5	0	0	0.0914	0.5	500	101%	82	118	0%	
Chlorodibromomethane	A	ug/L	123.90374	4.9561496		5	0	0	0.0841	0.5	500	99%	74	126	0%	
Chloroethane	A	ug/L	120.23921	4.8095684		5	0	0	0.169	0.5	500	96%	60	138	0%	
Chloroform	A	ug/L	116.75464	4.6701856		5	0	0	0.0789	0.5	500	93%	79	124	0%	
Chloromethane	A	ug/L	120.05563	4.8022252		5	0	0	0.162	0.5	500	96%	50	139	0%	
cis-1,2-Dichloroethene	A	ug/L	123.79838	4.9519352		5	0	0	0.108	0.5	500	99%	78	123	0%	
cis-1,3-Dichloropropene	A	ug/L	118.26504	4.7306016		5	0	0	0.073	0.5	500	95%	75	124	0%	
Dibromomethane	A	ug/L	123.65229	4.9460916		5	0	0	0.147	0.5	500	99%	79	123	0%	
Dichlorodifluoromethane	A	ug/L	120.96162	4.8384648		5	0	0	0.175	0.5	500	97%	32	152	0%	
Ethylbenzene	A	ug/L	122.64	4.9056		5	0	0	0.0836	0.5	500	98%	79	121	0%	
m+p-Xylenes	A	ug/L	243.22811	9.7291244		10	0	0	0.15	0.5	1000	97%	80	121	0%	
Methyl ethyl ketone	A	ug/L	1255.98102	50.2392408		50	0	0	1.77	10	5000	100%	56	143	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	127.6102	5.104408		5	0	0	0.101	0.5	500	102%	71	124	0%	
Methylene chloride	A	ug/L	122.4082	4.896328		5	0	0	0.338	0.5	500	98%	74	124	0%	
o-Xylene	A	ug/L	123.61005	4.944402		5	0	0	0.0604	0.5	500	99%	78	122	0%	
Styrene	A	ug/L	125.06687	5.0026748		5	0	0	0.067	0.5	500	100%	78	123	0%	
Tetrachloroethene	A	ug/L	123.44468	4.9377872		5	0	0	0.0671	0.5	500	99%	74	129	0%	
Toluene	A	ug/L	127.95105	5.118042		5	0	0	0.0679	0.5	500	102%	80	121	0%	
trans-1,2-Dichloroethene	A	ug/L	122.72547	4.9090188		5	0	0	0.125	0.5	500	98%	75	124	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033675	LCS020922_	VOC-8260-W-Q	LCS-DOD	)A5975C\VG020	2/9/2022 7:01:15	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
trans-1,3-Dichloropropene	A	ug/L	128.63825	5.14553		5	0	0	0.0846	0.5	500	103%	73	127	0%	
Trichloroethene	A	ug/L	122.33221	4.8932884		5	0	0	0.0993	0.5	500	98%	79	123	0%	
Trichlorofluoromethane	A	ug/L	115.41779	4.6167116		5	0	0	0.134	0.5	500	92%	65	141	0%	
Vinyl chloride	A	ug/L	122.34699	4.8938796		5	0	0	0.153	0.5	500	98%	58	137	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Xylenes, Total	M	ug/L	366.83816	14.6735264		15	0	0	0.0604	0.5	1500	98%	79	121	0%	
1,2-Dichloroethane-d4	S	ug/L	276.57315	11.062926		10	0	0	0.229	0.5	500	111%	81	118	0%	
Dibromofluoromethane	S	ug/L	266.47449	10.6589796		10	0	0	0.129	0.5	500	107%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	255.17775	10.20711		10	0	0	0.149	0.5	500	102%	85	114	0%	
Toluene-d8	S	ug/L	274.16791	10.9667164		10	0	0	0.23	0.5	500	110%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033676	MBLK020922_	VOC-8260-W-Q	MBLK	)A5975C\VG020	2/9/2022 7:55:46	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	0.5	500	0%	0	0	0%	
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	0.5	500	0%	0	0	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	0.5	500	0%	0	0	0%	
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	0.5	500	0%	0	0	0%	
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	0.5	500	0%	0	0	0%	
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	0.5	500	0%	0	0	0%	
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	0.5	500	0%	0	0	0%	
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	0.5	500	0%	0	0	0%	
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	0.5	500	0%	0	0	0%	
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	0.5	500	0%	0	0	0%	
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	0.5	500	0%	0	0	0%	
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	0.5	500	0%	0	0	0%	
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	0.5	500	0%	0	0	0%	
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	0.5	500	0%	0	0	0%	
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	0.5	500	0%	0	0	0%	
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	0.5	500	0%	0	0	0%	
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	0.5	500	0%	0	0	0%	
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	0.5	500	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033676	MBLK020922_	VOC-8260-W-Q	MBLK	)A5975C\VG020	2/9/2022 7:55:46	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzene	A	ug/L	0	0		0	0	0	0.0914	0.5	500	0%	0	0	0%	
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	0.5	500	0%	0	0	0%	
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	0.5	500	0%	0	0	0%	
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	0.5	500	0%	0	0	0%	
Bromoform	A	ug/L	0	0		0	0	0	0.119	0.5	500	0%	0	0	0%	
Bromomethane	A	ug/L	0	0		0	0	0	0.253	0.5	500	0%	0	0	0%	
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	0.5	500	0%	0	0	0%	
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	0.5	500	0%	0	0	0%	
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	0.5	500	0%	0	0	0%	
Chloroethane	A	ug/L	0	0		0	0	0	0.169	0.5	500	0%	0	0	0%	
Chloroform	A	ug/L	0.42605	0		0	0	0	0.0789	0.5	500	0%	0	0	0%	
Chloromethane	A	ug/L	0	0		0	0	0	0.162	0.5	500	0%	0	0	0%	
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	0.5	500	0%	0	0	0%	
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	0.5	500	0%	0	0	0%	
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	0.5	500	0%	0	0	0%	
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	0.5	500	0%	0	0	0%	
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	0.5	500	0%	0	0	0%	
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	0.5	1000	0%	0	0	0%	
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	10	5000	0%	0	0	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	0.5	500	0%	0	0	0%	
Methylene chloride	A	ug/L	1.1394	0		0	0	0	0.338	0.5	500	0%	0	0	0%	
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	0.5	500	0%	0	0	0%	
Styrene	A	ug/L	0	0		0	0	0	0.067	0.5	500	0%	0	0	0%	
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	0.5	500	0%	0	0	0%	
Toluene	A	ug/L	0	0		0	0	0	0.0679	0.5	500	0%	0	0	0%	
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	0.5	500	0%	0	0	0%	
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	0.5	500	0%	0	0	0%	
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	0.5	500	0%	0	0	0%	
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	0.5	500	0%	0	0	0%	
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	0.5	500	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Xylenes, Total	M	ug/L	0	0		0	0	0	0.0604	0.5	1500	0%	0	0	0%	
1,2-Dichloroethane-d4	S	ug/L	280.47133	11.2188532		10	0	0	0.229	0.5	500	112%	81	118	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033676	MBLK020922_	VOC-8260-W-Q	MBLK	)A5975C\VG020	2/9/2022 7:55:46	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Dibromofluoromethane	S	ug/L	278.02796	11.1211184		10	0	0	0.129	0.5	500	111%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	267.25979	10.6903916		10	0	0	0.149	0.5	500	107%	85	114	0%	
Toluene-d8	S	ug/L	264.41916	10.5767664		10	0	0	0.23	0.5	500	106%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033699	B22020415-001	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 8:23:01	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0.12543	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	1.1881	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033699	B22020415-001	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 8:23:01	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	5.21819	0.2087276		0	0	0	0.0789	1	500	0%	0	0	0%	J
Chloromethane	A	ug/L	1.24889	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0.95235	0		0	0	0	0.0836	1	500	0%	0	0	0%	U
m+p-Xylenes	A	ug/L	3.15014	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	12.13912	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	0.67402	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	0.48798	0		0	0	0	0.0679	1	500	0%	0	0	0%	UT
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
BETX, Total	M	ug/L	4.7159	0.1260056		0	0	0	0.0604	1	0	0%			0%	J
Xylenes, Total	M	ug/L	3.15014	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	286.80993	11.4723972		10	0	0	0.229	1	500	115%	81	118	0%	
Dibromofluoromethane	S	ug/L	278.82706	11.1530824		10	0	0	0.129	1	500	112%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	255.64651	10.2258604		10	0	0	0.149	1	500	102%	85	114	0%	
Toluene-d8	S	ug/L	266.34126	10.6536504		10	0	0	0.23	1	500	107%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033700	B22020415-006	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 8:50:19	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033700	B22020415-006	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 8:50:19	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	0	0		0	0	0	0.0789	1	500	0%	0	0	0%	U
Chloromethane	A	ug/L	0	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033700	B22020415-006	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 8:50:19	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
m+p-Xylenes	A	ug/L	2.03188	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	0.49778	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	0	0		0	0	0	0.0679	1	500	0%	0	0	0%	UT
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
BETX, Total	M	ug/L	2.03188	0.0812752		0	0	0	0.0604	1	0	0%			0%	J
Xylenes, Total	M	ug/L	2.03188	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	287.08839	11.4835356		10	0	0	0.229	1	500	115%	81	118	0%	
Dibromofluoromethane	S	ug/L	279.74653	11.1898612		10	0	0	0.129	1	500	112%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	261.41536	10.4566144		10	0	0	0.149	1	500	105%	85	114	0%	
Toluene-d8	S	ug/L	263.116	10.52464		10	0	0	0.23	1	500	105%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033701	B22020415-011	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 9:17:29	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033701	B22020415-011	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 9:17:29	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	0	0		0	0	0	0.0789	1	500	0%	0	0	0%	U
Chloromethane	A	ug/L	0	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	0.424	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	0	0		0	0	0	0.0679	1	500	0%	0	0	0%	UT

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033701	B22020415-011	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 9:17:29	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
BETX, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%			0%	U
Xylenes, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	288.51379	11.5405516		10	0	0	0.229	1	500	115%	81	118	0%	
Dibromofluoromethane	S	ug/L	275.32669	11.0130676		10	0	0	0.129	1	500	110%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	261.5351	10.461404		10	0	0	0.149	1	500	105%	85	114	0%	
Toluene-d8	S	ug/L	262.52676	10.5010704		10	0	0	0.23	1	500	105%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033702	B22020415-016	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 9:44:41	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033702	B22020415-016	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 9:44:41	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0.03869	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	4.67858	0.1871432		0	0	0	0.0789	1	500	0%	0	0	0%	J
Chloromethane	A	ug/L	0.95545	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	0.72754	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	0	0		0	0	0	0.0679	1	500	0%	0	0	0%	U
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033702	B22020415-016	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 9:44:41	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
BETX, Total	M	ug/L	0.03869	0		0	0	0	0.0604	1	0	0%			0%	U
Xylenes, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	292.24688	11.6898752		10	0	0	0.229	1	500	117%	81	118	0%	
Dibromofluoromethane	S	ug/L	281.36946	11.2547784		10	0	0	0.129	1	500	113%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	268.03946	10.7215784		10	0	0	0.149	1	500	107%	85	114	0%	
Toluene-d8	S	ug/L	264.16898	10.5667592		10	0	0	0.23	1	500	106%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033703	B22020415-017	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 10:12:0	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033703	B22020415-017	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 10:12:0	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	4.68998	0.1875992		0	0	0	0.0789	1	500	0%	0	0	0%	J
Chloromethane	A	ug/L	1.62094	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U
m+p-Xylenes	A	ug/L	1.83843	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	0.35313	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	0	0		0	0	0	0.0679	1	500	0%	0	0	0%	U
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
BETX, Total	M	ug/L	1.83843	0.0735372		0	0	0	0.0604	1	0	0%			0%	J
Xylenes, Total	M	ug/L	1.83843	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	285.88344	11.4353376		10	0	0	0.229	1	500	114%	81	118	0%	
Dibromofluoromethane	S	ug/L	278.13098	11.1252392		10	0	0	0.129	1	500	111%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	265.09571	10.6038284		10	0	0	0.149	1	500	106%	85	114	0%	
Toluene-d8	S	ug/L	263.01025	10.52041		10	0	0	0.23	1	500	105%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033704	B22020415-022	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 10:39:1	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	0	0		0	0	0	0.0789	1	500	0%	0	0	0%	U
Chloromethane	A	ug/L	0.96561	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033704	B22020415-022	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 10:39:1	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	0	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	0	0		0	0	0	0.0679	1	500	0%	0	0	0%	UT
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
BETX, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%			0%	U
Xylenes, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	289.43713	11.5774852		10	0	0	0.229	1	500	116%	81	118	0%	
Dibromofluoromethane	S	ug/L	281.53391	11.2613564		10	0	0	0.129	1	500	113%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	269.19116	10.7676464		10	0	0	0.149	1	500	108%	85	114	0%	
Toluene-d8	S	ug/L	264.12561	10.5650244		10	0	0	0.23	1	500	106%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033705	B22020415-027	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 11:06:3	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist				
15033705	B22020415-027	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 11:06:3	1	R374631		0	0					

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	2.39458	0.0957832		0	0	0	0.0789	1	500	0%	0	0	0%	J
Chloromethane	A	ug/L	1.76549	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	0.74711	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	0.89947	0		0	0	0	0.0679	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033705	B22020415-027	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 11:06:3	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
BETX, Total	M	ug/L	0.89947	0		0	0	0	0.0604	1	0	0%			0%	U
Xylenes, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	283.1929	11.327716		10	0	0	0.229	1	500	113%	81	118	0%	
Dibromofluoromethane	S	ug/L	273.18805	10.927522		10	0	0	0.129	1	500	109%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	263.15764	10.5263056		10	0	0	0.149	1	500	105%	85	114	0%	
Toluene-d8	S	ug/L	260.4741	10.418964		10	0	0	0.23	1	500	104%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033706	B22020415-032	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 11:33:4	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033706	B22020415-032	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 11:33:4	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	0	0		0	0	0	0.0789	1	500	0%	0	0	0%	U
Chloromethane	A	ug/L	0.5215	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	0.32204	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	1.06092	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	0	0		0	0	0	0.0679	1	500	0%	0	0	0%	U
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033706	B22020415-032	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 11:33:4	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
BETX, Total	M	ug/L	1.06092	0		0	0	0	0.0679	1	0	0%			0%	U
Xylenes, Total	M	ug/L	1.06092	0		0	0	0	0.15	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	293.55887	11.7423548		10	0	0	0.229	1	500	117%	81	118	0%	
Dibromofluoromethane	S	ug/L	281.08419	11.2433676		10	0	0	0.129	1	500	112%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	267.77039	10.7108156		10	0	0	0.149	1	500	107%	85	114	0%	
Toluene-d8	S	ug/L	261.06993	10.4427972		10	0	0	0.23	1	500	104%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033707	B22020415-002	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 12:28:2	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033707	B22020415-002	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 12:28:2	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	0.0707	0		0	0	0	0.0789	1	500	0%	0	0	0%	U
Chloromethane	A	ug/L	0	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	1.76052	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	5.68489	0.2273956		0	0	0	0.0679	1	500	0%	0	0	0%	J
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
BETX, Total	M	ug/L	5.68489	0.2273956		0	0	0	0.0679	1	0	0%			0%	J
Xylenes, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	283.61566	11.3446264		10	0	0	0.229	1	500	113%	81	118	0%	
Dibromofluoromethane	S	ug/L	280.59161	11.2236644		10	0	0	0.129	1	500	112%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	265.62228	10.6248912		10	0	0	0.149	1	500	106%	85	114	0%	
Toluene-d8	S	ug/L	266.63846	10.6655384		10	0	0	0.23	1	500	107%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033708	B22020415-007	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 12:55:5	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	0.24807	0		0	0	0	0.0789	1	500	0%	0	0	0%	U
Chloromethane	A	ug/L	0	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033708	B22020415-007	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 12:55:5	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	0	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	2.23016	0.0892064		0	0	0	0.0679	1	500	0%	0	0	0%	J
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
BETX, Total	M	ug/L	2.23016	0.0892064		0	0	0	0.0679	1	0	0%			0%	J
Xylenes, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	283.93395	11.357358		10	0	0	0.229	1	500	114%	81	118	0%	
Dibromofluoromethane	S	ug/L	274.49381	10.9797524		10	0	0	0.129	1	500	110%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	262.44845	10.497938		10	0	0	0.149	1	500	105%	85	114	0%	
Toluene-d8	S	ug/L	265.08902	10.6035608		10	0	0	0.23	1	500	106%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033709	B22020415-012	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 1:23:17	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033709	B22020415-012	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 1:23:17	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0.09136	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	0.59578	0		0	0	0	0.0789	1	500	0%	0	0	0%	U
Chloromethane	A	ug/L	0	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	2.16619	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	4.83073	0.1932292		0	0	0	0.0679	1	500	0%	0	0	0%	J

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033709	B22020415-012	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 1:23:17	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
BETX, Total	M	ug/L	4.92209	0.1932292		0	0	0	0.0679	1	0	0%			0%	J
Xylenes, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	281.99803	11.2799212		10	0	0	0.229	1	500	113%	81	118	0%	
Dibromofluoromethane	S	ug/L	275.00419	11.0001676		10	0	0	0.129	1	500	110%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	268.43739	10.7374956		10	0	0	0.149	1	500	107%	85	114	0%	
Toluene-d8	S	ug/L	263.82127	10.5528508		10	0	0	0.23	1	500	106%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033710	B22020415-018	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 1:50:38	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033710	B22020415-018	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 1:50:38	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	0.38061	0		0	0	0	0.0789	1	500	0%	0	0	0%	U
Chloromethane	A	ug/L	0.75256	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	1.31987	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	0.5332	0		0	0	0	0.0679	1	500	0%	0	0	0%	U
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033710	B22020415-018	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 1:50:38	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
BETX, Total	M	ug/L	0.5332	0		0	0	0	0.0604	1	0	0%			0%	U
Xylenes, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	286.13218	11.4452872		10	0	0	0.229	1	500	114%	81	118	0%	
Dibromofluoromethane	S	ug/L	279.59256	11.1837024		10	0	0	0.129	1	500	112%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	260.42491	10.4169964		10	0	0	0.149	1	500	104%	85	114	0%	
Toluene-d8	S	ug/L	263.84592	10.5538368		10	0	0	0.23	1	500	106%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033711	B22020415-023	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 2:17:56	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033711	B22020415-023	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 2:17:56	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	0	0		0	0	0	0.0789	1	500	0%	0	0	0%	U
Chloromethane	A	ug/L	0.95424	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0.79809	0		0	0	0	0.0836	1	500	0%	0	0	0%	U
m+p-Xylenes	A	ug/L	2.09484	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	1.90832	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	5.44717	0.2178868		0	0	0	0.0679	1	500	0%	0	0	0%	J
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
BETX, Total	M	ug/L	8.3401	0.3016804		0	0	0	0.0604	1	0	0%			0%	J
Xylenes, Total	M	ug/L	2.09484	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	286.94208	11.4776832		10	0	0	0.229	1	500	115%	81	118	0%	
Dibromofluoromethane	S	ug/L	281.69634	11.2678536		10	0	0	0.129	1	500	113%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	268.83347	10.7533388		10	0	0	0.149	1	500	108%	85	114	0%	
Toluene-d8	S	ug/L	257.26515	10.290606		10	0	0	0.23	1	500	103%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033712	B22020415-028	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 2:45:20	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	0.27167	0		0	0	0	0.0789	1	500	0%	0	0	0%	U
Chloromethane	A	ug/L	0.4011	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033712	B22020415-028	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 2:45:20	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	2.33639	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	0	0		0	0	0	0.0679	1	500	0%	0	0	0%	U
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
BETX, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%			0%	U
Xylenes, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	286.8479	11.473916		10	0	0	0.229	1	500	115%	81	118	0%	
Dibromofluoromethane	S	ug/L	275.84881	11.0339524		10	0	0	0.129	1	500	110%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	265.76932	10.6307728		10	0	0	0.149	1	500	106%	85	114	0%	
Toluene-d8	S	ug/L	260.72049	10.4288196		10	0	0	0.23	1	500	104%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033713	B22020415-033	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 3:12:49	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	1	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	1	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	1	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	1	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033713	B22020415-033	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 3:12:49	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	1	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	1	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	1	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	1	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	1	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	1	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	1	500	0%	0	0	0%	U
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	1	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	1	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	1	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	1	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	1	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	1	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	1	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	1	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	1	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	1	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	1	500	0%	0	0	0%	U
Chloroform	A	ug/L	0.43998	0		0	0	0	0.0789	1	500	0%	0	0	0%	U
Chloromethane	A	ug/L	0.66842	0		0	0	0	0.162	1	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	1	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	1	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	1	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	1	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	1	500	0%	0	0	0%	U
m+p-Xylenes	A	ug/L	0	0		0	0	0	0.15	1	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	20	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	1	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	1.42657	0		0	0	0	0.338	1	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	1	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	1	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	1	500	0%	0	0	0%	U
Toluene	A	ug/L	1.1125	0		0	0	0	0.0679	1	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033713	B22020415-033	VOC-8260-W-S	SAMP	)A5975C\VG020	2/9/2022 3:12:49	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	1	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	1	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	1	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	1	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	1	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	0	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0.1	0	0	0%	0	0	0%	
BETX, Total	M	ug/L	1.1125	0		0	0	0	0.0604	1	0	0%			0%	U
Xylenes, Total	M	ug/L	0	0		0	0	0	0.0604	1	0	0%	0	0	0%	U
1,2-Dichloroethane-d4	S	ug/L	288.3418	11.533672		10	0	0	0.229	1	500	115%	81	118	0%	
Dibromofluoromethane	S	ug/L	278.59713	11.1438852		10	0	0	0.129	1	500	111%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	268.17873	10.7271492		10	0	0	0.149	1	500	107%	85	114	0%	
Toluene-d8	S	ug/L	263.87279	10.5549116		10	0	0	0.23	1	500	106%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033715	B22020415-006	VOC-8260-W-Q	SAMP	)A5975C\VG020	2/9/2022 8:50:19	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.101	0.5	500	0%	0	0	0%	U
1,1,1-Trichloroethane	A	ug/L	0	0		0	0	0	0.131	0.5	500	0%	0	0	0%	U
1,1,2,2-Tetrachloroethane	A	ug/L	0	0		0	0	0	0.0872	0.5	500	0%	0	0	0%	U
1,1,2-Trichloroethane	A	ug/L	0	0		0	0	0	0.108	0.5	500	0%	0	0	0%	U
1,1-Dichloroethane	A	ug/L	0	0		0	0	0	0.135	0.5	500	0%	0	0	0%	U
1,1-Dichloroethene	A	ug/L	0	0		0	0	0	0.141	0.5	500	0%	0	0	0%	U
1,1-Dichloropropene	A	ug/L	0	0		0	0	0	0.083	0.5	500	0%	0	0	0%	U
1,2,3-Trichloropropane	A	ug/L	0	0		0	0	0	0.235	0.5	500	0%	0	0	0%	U
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0916	0.5	500	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0746	0.5	500	0%	0	0	0%	U
1,2-Dichloroethane	A	ug/L	0	0		0	0	0	0.116	0.5	500	0%	0	0	0%	U
1,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.0847	0.5	500	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0803	0.5	500	0%	0	0	0%	U
1,3-Dichloropropane	A	ug/L	0	0		0	0	0	0.0791	0.5	500	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	0.0858	0.5	500	0%	0	0	0%	U
2,2-Dichloropropane	A	ug/L	0	0		0	0	0	0.186	0.5	500	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033715	B22020415-006	VOC-8260-W-Q	SAMP	)A5975C\VG020	2/9/2022 8:50:19	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0876	0.5	500	0%	0	0	0%	U
4-Chlorotoluene	A	ug/L	0	0		0	0	0	0.0728	0.5	500	0%	0	0	0%	U
Benzene	A	ug/L	0	0		0	0	0	0.0914	0.5	500	0%	0	0	0%	U
Bromobenzene	A	ug/L	0	0		0	0	0	0.0831	0.5	500	0%	0	0	0%	U
Bromochloromethane	A	ug/L	0	0		0	0	0	0.141	0.5	500	0%	0	0	0%	U
Bromodichloromethane	A	ug/L	0	0		0	0	0	0.12	0.5	500	0%	0	0	0%	U
Bromoform	A	ug/L	0	0		0	0	0	0.119	0.5	500	0%	0	0	0%	U
Bromomethane	A	ug/L	0	0		0	0	0	0.253	0.5	500	0%	0	0	0%	U
Carbon tetrachloride	A	ug/L	0	0		0	0	0	0.143	0.5	500	0%	0	0	0%	U
Chlorobenzene	A	ug/L	0	0		0	0	0	0.0914	0.5	500	0%	0	0	0%	U
Chlorodibromomethane	A	ug/L	0	0		0	0	0	0.0841	0.5	500	0%	0	0	0%	U
Chloroethane	A	ug/L	0	0		0	0	0	0.169	0.5	500	0%	0	0	0%	U
Chloroform	A	ug/L	0	0		0	0	0	0.0789	0.5	500	0%	0	0	0%	U
Chloromethane	A	ug/L	0	0		0	0	0	0.162	0.5	500	0%	0	0	0%	U
cis-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.108	0.5	500	0%	0	0	0%	U
cis-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.073	0.5	500	0%	0	0	0%	U
Dibromomethane	A	ug/L	0	0		0	0	0	0.147	0.5	500	0%	0	0	0%	U
Dichlorodifluoromethane	A	ug/L	0	0		0	0	0	0.175	0.5	500	0%	0	0	0%	U
Ethylbenzene	A	ug/L	0	0		0	0	0	0.0836	0.5	500	0%	0	0	0%	U
m+p-Xylenes	A	ug/L	2.03188	0		0	0	0	0.15	0.5	1000	0%	0	0	0%	U
Methyl ethyl ketone	A	ug/L	0	0		0	0	0	1.77	10	5000	0%	0	0	0%	U
Methyl tert-butyl ether (MTBE)	A	ug/L	0	0		0	0	0	0.101	0.5	500	0%	0	0	0%	U
Methylene chloride	A	ug/L	0.49778	0		0	0	0	0.338	0.5	500	0%	0	0	0%	U
o-Xylene	A	ug/L	0	0		0	0	0	0.0604	0.5	500	0%	0	0	0%	U
Styrene	A	ug/L	0	0		0	0	0	0.067	0.5	500	0%	0	0	0%	U
Tetrachloroethene	A	ug/L	0	0		0	0	0	0.0671	0.5	500	0%	0	0	0%	U
Toluene	A	ug/L	0	0		0	0	0	0.0679	0.5	500	0%	0	0	0%	U
trans-1,2-Dichloroethene	A	ug/L	0	0		0	0	0	0.125	0.5	500	0%	0	0	0%	U
trans-1,3-Dichloropropene	A	ug/L	0	0		0	0	0	0.0846	0.5	500	0%	0	0	0%	U
Trichloroethene	A	ug/L	0	0		0	0	0	0.0993	0.5	500	0%	0	0	0%	U
Trichlorofluoromethane	A	ug/L	0	0		0	0	0	0.134	0.5	500	0%	0	0	0%	U
Vinyl chloride	A	ug/L	0	0		0	0	0	0.153	0.5	500	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033715	B22020415-006	VOC-8260-W-Q	SAMP	)A5975C\VG020	2/9/2022 8:50:19	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Xylenes, Total	M	ug/L	2.03188	0.0812752		0	0	0	0.0604	0.5	1500	0%	0	0	0%	J
1,2-Dichloroethane-d4	S	ug/L	287.08839	11.4835356		10	0	0	0.229	0.5	500	115%	81	118	0%	
Dibromofluoromethane	S	ug/L	279.74653	11.1898612		10	0	0	0.129	0.5	500	112%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	261.41536	10.4566144		10	0	0	0.149	0.5	500	105%	85	114	0%	
Toluene-d8	S	ug/L	263.116	10.52464		10	0	0	0.23	0.5	500	105%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033716	B22020415-006	VOC-8260-W-Q	MS-DOD	)A5975C\VG020	2/9/2022 3:40:10	1	R374631		2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	124.29905	4.971962		5	0	0	0.101	0.5	500	99%	78	124	0%	
1,1,1-Trichloroethane	A	ug/L	123.44998	4.9379992		5	0	0	0.131	0.5	500	99%	74	131	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	126.78566	5.0714264		5	0	0	0.0872	0.5	500	101%	71	121	0%	
1,1,2-Trichloroethane	A	ug/L	129.5869	5.183476		5	0	0	0.108	0.5	500	104%	80	119	0%	
1,1-Dichloroethane	A	ug/L	129.41973	5.1767892		5	0	0	0.135	0.5	500	104%	77	125	0%	
1,1-Dichloroethene	A	ug/L	126.06254	5.0425016		5	0	0	0.141	0.5	500	101%	71	131	0%	
1,1-Dichloropropene	A	ug/L	121.24773	4.8499092		5	0	0	0.083	0.5	500	97%	79	125	0%	
1,2,3-Trichloropropane	A	ug/L	122.33247	4.8932988		5	0	0	0.235	0.5	500	98%	73	125	0%	
1,2-Dibromoethane	A	ug/L	123.4694	4.938776		5	0	0	0.0916	0.5	500	99%	78	122	0%	
1,2-Dichlorobenzene	A	ug/L	134.28333	5.3713332		5	0	0	0.0746	0.5	500	107%	80	119	0%	
1,2-Dichloroethane	A	ug/L	117.73915	4.709566		5	0	0	0.116	0.5	500	94%	73	128	0%	
1,2-Dichloropropane	A	ug/L	125.6848	5.027392		5	0	0	0.0847	0.5	500	101%	78	122	0%	
1,3-Dichlorobenzene	A	ug/L	131.45606	5.2582424		5	0	0	0.0803	0.5	500	105%	80	119	0%	
1,3-Dichloropropane	A	ug/L	120.87675	4.83507		5	0	0	0.0791	0.5	500	97%	80	119	0%	
1,4-Dichlorobenzene	A	ug/L	130.65459	5.2261836		5	0	0	0.0858	0.5	500	105%	79	118	0%	
2,2-Dichloropropane	A	ug/L	121.74956	4.8699824		5	0	0	0.186	0.5	500	97%	60	139	0%	
2-Chlorotoluene	A	ug/L	129.56378	5.1825512		5	0	0	0.0876	0.5	500	104%	79	122	0%	
4-Chlorotoluene	A	ug/L	134.32602	5.3730408		5	0	0	0.0728	0.5	500	107%	78	122	0%	
Benzene	A	ug/L	124.4424	4.977696		5	0	0	0.0914	0.5	500	100%	79	120	0%	
Bromobenzene	A	ug/L	130.47556	5.2190224		5	0	0	0.0831	0.5	500	104%	80	120	0%	
Bromochloromethane	A	ug/L	121.24614	4.8498456		5	0	0	0.141	0.5	500	97%	78	123	0%	
Bromodichloromethane	A	ug/L	129.79294	5.1917176		5	0	0	0.12	0.5	500	104%	79	125	0%	
Bromoform	A	ug/L	126.79255	5.071702		5	0	0	0.119	0.5	500	101%	66	130	0%	
Bromomethane	A	ug/L	81.60544	3.2642176		5	0	0	0.253	0.5	500	65%	53	141	0%	
Carbon tetrachloride	A	ug/L	123.67417	4.9469668		5	0	0	0.143	0.5	500	99%	72	136	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033716	B22020415-006	VOC-8260-W-Q	MS-DOD	)A5975C\VG020	2/9/2022 3:40:10	1	R374631		2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chlorobenzene	A	ug/L	128.75905	5.150362		5	0	0	0.0914	0.5	500	103%	82	118	0%	
Chlorodibromomethane	A	ug/L	121.75166	4.8700664		5	0	0	0.0841	0.5	500	97%	74	126	0%	
Chloroethane	A	ug/L	130.25204	5.2100816		5	0	0	0.169	0.5	500	104%	60	138	0%	
Chloroform	A	ug/L	117.52018	4.7008072		5	0	0	0.0789	0.5	500	94%	79	124	0%	
Chloromethane	A	ug/L	118.50812	4.7403248		5	0	0	0.162	0.5	500	95%	50	139	0%	
cis-1,2-Dichloroethene	A	ug/L	122.77381	4.9109524		5	0	0	0.108	0.5	500	98%	78	123	0%	
cis-1,3-Dichloropropene	A	ug/L	115.86843	4.6347372		5	0	0	0.073	0.5	500	93%	75	124	0%	
Dibromomethane	A	ug/L	127.51402	5.1005608		5	0	0	0.147	0.5	500	102%	79	123	0%	
Dichlorodifluoromethane	A	ug/L	123.2576	4.930304		5	0	0	0.175	0.5	500	99%	32	152	0%	
Ethylbenzene	A	ug/L	127.49173	5.0996692		5	0	0	0.0836	0.5	500	102%	79	121	0%	
m+p-Xylenes	A	ug/L	249.27723	9.9710892		10	0	0	0.15	0.5	1000	100%	80	121	0%	
Methyl ethyl ketone	A	ug/L	1253.80906	50.1523624		50	0	0	1.77	10	5000	100%	56	143	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	120.84109	4.8336436		5	0	0	0.101	0.5	500	97%	71	124	0%	
Methylene chloride	A	ug/L	119.72313	4.7889252		5	0	0	0.338	0.5	500	96%	74	124	0%	
o-Xylene	A	ug/L	126.52241	5.0608964		5	0	0	0.0604	0.5	500	101%	78	122	0%	
Styrene	A	ug/L	126.79186	5.0716744		5	0	0	0.067	0.5	500	101%	78	123	0%	
Tetrachloroethene	A	ug/L	125.05722	5.0022888		5	0	0	0.0671	0.5	500	100%	74	129	0%	
Toluene	A	ug/L	129.77944	5.1911776		5	0	0	0.0679	0.5	500	104%	80	121	0%	
trans-1,2-Dichloroethene	A	ug/L	124.95981	4.9983924		5	0	0	0.125	0.5	500	100%	75	124	0%	
trans-1,3-Dichloropropene	A	ug/L	127.35886	5.0943544		5	0	0	0.0846	0.5	500	102%	73	127	0%	
Trichloroethene	A	ug/L	129.2485	5.16994		5	0	0	0.0993	0.5	500	103%	79	123	0%	
Trichlorofluoromethane	A	ug/L	116.18145	4.647258		5	0	0	0.134	0.5	500	93%	65	141	0%	
Vinyl chloride	A	ug/L	120.09525	4.80381		5	0	0	0.153	0.5	500	96%	58	137	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Xylenes, Total	M	ug/L	375.79964	15.0319856		15	0.0812752	0	0.0604	0.5	1500	100%	79	121	0%	
1,2-Dichloroethane-d4	S	ug/L	274.71913	10.9887652		10	0	0	0.229	0.5	500	110%	81	118	0%	
Dibromofluoromethane	S	ug/L	265.92362	10.6369448		10	0	0	0.129	0.5	500	106%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	261.67255	10.466902		10	0	0	0.149	0.5	500	105%	85	114	0%	
Toluene-d8	S	ug/L	276.48847	11.0595388		10	0	0	0.23	0.5	500	111%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033718	B22020415-006	VOC-8260-W-Q	MSD-DOD	)A5975C\VG020	2/9/2022 4:07:32	1	R374631		2E+07	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	121.73922	4.8695688		5	0	4.971962	0.101	0.5	500	97%	78	124	2%	
1,1,1-Trichloroethane	A	ug/L	125.03558	5.0014232		5	0	4.9379992	0.131	0.5	500	100%	74	131	1%	
1,1,2,2-Tetrachloroethane	A	ug/L	122.78682	4.9114728		5	0	5.0714264	0.0872	0.5	500	98%	71	121	3%	
1,1,2-Trichloroethane	A	ug/L	125.24235	5.009694		5	0	5.183476	0.108	0.5	500	100%	80	119	3%	
1,1-Dichloroethane	A	ug/L	126.4325	5.0573		5	0	5.1767892	0.135	0.5	500	101%	77	125	2%	
1,1-Dichloroethene	A	ug/L	126.29179	5.0516716		5	0	5.0425016	0.141	0.5	500	101%	71	131	0%	
1,1-Dichloropropene	A	ug/L	120.97646	4.8390584		5	0	4.8499092	0.083	0.5	500	97%	79	125	0%	
1,2,3-Trichloropropane	A	ug/L	115.6942	4.627768		5	0	4.8932988	0.235	0.5	500	93%	73	125	6%	
1,2-Dibromoethane	A	ug/L	127.28427	5.0913708		5	0	4.938776	0.0916	0.5	500	102%	78	122	3%	
1,2-Dichlorobenzene	A	ug/L	127.45953	5.0983812		5	0	5.3713332	0.0746	0.5	500	102%	80	119	5%	
1,2-Dichloroethane	A	ug/L	121.55975	4.86239		5	0	4.709566	0.116	0.5	500	97%	73	128	3%	
1,2-Dichloropropane	A	ug/L	124.54953	4.9819812		5	0	5.027392	0.0847	0.5	500	100%	78	122	1%	
1,3-Dichlorobenzene	A	ug/L	128.58916	5.1435664		5	0	5.2582424	0.0803	0.5	500	103%	80	119	2%	
1,3-Dichloropropane	A	ug/L	122.52383	4.9009532		5	0	4.83507	0.0791	0.5	500	98%	80	119	1%	
1,4-Dichlorobenzene	A	ug/L	127.41905	5.096762		5	0	5.2261836	0.0858	0.5	500	102%	79	118	3%	
2,2-Dichloropropane	A	ug/L	119.72531	4.7890124		5	0	4.8699824	0.186	0.5	500	96%	60	139	2%	
2-Chlorotoluene	A	ug/L	131.43981	5.2575924		5	0	5.1825512	0.0876	0.5	500	105%	79	122	1%	
4-Chlorotoluene	A	ug/L	130.59495	5.223798		5	0	5.3730408	0.0728	0.5	500	104%	78	122	3%	
Benzene	A	ug/L	126.5163	5.060652		5	0	4.977696	0.0914	0.5	500	101%	79	120	2%	
Bromobenzene	A	ug/L	127.22901	5.0891604		5	0	5.2190224	0.0831	0.5	500	102%	80	120	3%	
Bromochloromethane	A	ug/L	120.34445	4.813778		5	0	4.8498456	0.141	0.5	500	96%	78	123	1%	
Bromodichloromethane	A	ug/L	125.02606	5.0010424		5	0	5.1917176	0.12	0.5	500	100%	79	125	4%	
Bromoform	A	ug/L	122.67301	4.9069204		5	0	5.071702	0.119	0.5	500	98%	66	130	3%	
Bromomethane	A	ug/L	83.40622	3.3362488		5	0	3.2642176	0.253	0.5	500	67%	53	141	2%	
Carbon tetrachloride	A	ug/L	122.85321	4.9141284		5	0	4.9469668	0.143	0.5	500	98%	72	136	1%	
Chlorobenzene	A	ug/L	128.56845	5.142738		5	0	5.150362	0.0914	0.5	500	103%	82	118	0%	
Chlorodibromomethane	A	ug/L	126.27487	5.0509948		5	0	4.8700664	0.0841	0.5	500	101%	74	126	4%	
Chloroethane	A	ug/L	126.6621	5.066484		5	0	5.2100816	0.169	0.5	500	101%	60	138	3%	
Chloroform	A	ug/L	114.56518	4.5826072		5	0	4.7008072	0.0789	0.5	500	92%	79	124	3%	
Chloromethane	A	ug/L	115.2552	4.610208		5	0	4.7403248	0.162	0.5	500	92%	50	139	3%	
cis-1,2-Dichloroethene	A	ug/L	125.97246	5.0388984		5	0	4.9109524	0.108	0.5	500	101%	78	123	3%	
cis-1,3-Dichloropropene	A	ug/L	115.83098	4.6332392		5	0	4.6347372	0.073	0.5	500	93%	75	124	0%	
Dibromomethane	A	ug/L	121.91224	4.8764896		5	0	5.1005608	0.147	0.5	500	98%	79	123	4%	
Dichlorodifluoromethane	A	ug/L	118.64035	4.745614		5	0	4.930304	0.175	0.5	500	95%	32	152	4%	
Ethylbenzene	A	ug/L	126.04697	5.0418788		5	0	5.0996692	0.0836	0.5	500	101%	79	121	1%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033718	B22020415-006	VOC-8260-W-Q	MSD-DOD	)A5975C\VG020	2/9/2022 4:07:32	1	R374631		2E+07	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
m+p-Xylenes	A	ug/L	248.73083	9.9492332		10	0	9.9710892	0.15	0.5	1000	99%	80	121	0%	
Methyl ethyl ketone	A	ug/L	1244.00008	49.7600032		50	0	50.152362	1.77	10	5000	100%	56	143	1%	
Methyl tert-butyl ether (MTBE)	A	ug/L	118.45753	4.7383012		5	0	4.8336436	0.101	0.5	500	95%	71	124	2%	
Methylene chloride	A	ug/L	121.0604	4.842416		5	0	4.7889252	0.338	0.5	500	97%	74	124	1%	
o-Xylene	A	ug/L	128.55566	5.1422264		5	0	5.0608964	0.0604	0.5	500	103%	78	122	2%	
Styrene	A	ug/L	127.96792	5.1187168		5	0	5.0716744	0.067	0.5	500	102%	78	123	1%	
Tetrachloroethene	A	ug/L	124.82985	4.993194		5	0	5.0022888	0.0671	0.5	500	100%	74	129	0%	
Toluene	A	ug/L	129.28368	5.1713472		5	0	5.1911776	0.0679	0.5	500	103%	80	121	0%	
trans-1,2-Dichloroethene	A	ug/L	123.55014	4.9420056		5	0	4.9983924	0.125	0.5	500	99%	75	124	1%	
trans-1,3-Dichloropropene	A	ug/L	125.74982	5.0299928		5	0	5.0943544	0.0846	0.5	500	101%	73	127	1%	
Trichloroethene	A	ug/L	125.93476	5.0373904		5	0	5.16994	0.0993	0.5	500	101%	79	123	3%	
Trichlorofluoromethane	A	ug/L	117.55689	4.7022756		5	0	4.647258	0.134	0.5	500	94%	65	141	1%	
Vinyl chloride	A	ug/L	118.83564	4.7534256		5	0	4.80381	0.153	0.5	500	95%	58	137	1%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Xylenes, Total	M	ug/L	377.28649	15.0914596		15	0.0812752	15.031986	0.0604	0.5	1500	100%	79	121	0%	
1,2-Dichloroethane-d4	S	ug/L	279.03238	11.1612952		10	0	0	0.229	0.5	500	112%	81	118	0%	
Dibromofluoromethane	S	ug/L	262.9708	10.518832		10	0	0	0.129	0.5	500	105%	80	119	0%	
p-Bromofluorobenzene	S	ug/L	254.80722	10.1922888		10	0	0	0.149	0.5	500	102%	85	114	0%	
Toluene-d8	S	ug/L	274.53118	10.9812472		10	0	0	0.23	0.5	500	110%	89	112	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033719	CCV_CLOSING	VOC-8260-W-Q	CCV	)A5975C\VG020	2/9/2022 5:02:05	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,1,1,2-Tetrachloroethane	A	ug/L	119.78018	4.7912072		5	0	0	0.101	0.5	500	96%	50	150	0%	
1,1,1-Trichloroethane	A	ug/L	119.04116	4.7616464		5	0	0	0.131	0.5	500	95%	50	150	0%	
1,1,2,2-Tetrachloroethane	A	ug/L	116.38264	4.6553056		5	0	0	0.0872	0.5	500	93%	50	150	0%	
1,1,2-Trichloroethane	A	ug/L	120.12863	4.8051452		5	0	0	0.108	0.5	500	96%	50	150	0%	
1,1-Dichloroethane	A	ug/L	121.09411	4.8437644		5	0	0	0.135	0.5	500	97%	50	150	0%	
1,1-Dichloroethene	A	ug/L	118.1871	4.727484		5	0	0	0.141	0.5	500	95%	50	150	0%	
1,1-Dichloropropene	A	ug/L	118.4985	4.73994		5	0	0	0.083	0.5	500	95%	50	150	0%	
1,2,3-Trichloropropane	A	ug/L	116.71614	4.6686456		5	0	0	0.235	0.5	500	93%	50	150	0%	
1,2-Dibromoethane	A	ug/L	118.48817	4.7395268		5	0	0	0.0916	0.5	500	95%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist				
15033719	CCV_CLOSING	VOC-8260-W-Q	CCV	)A5975C\VG020	2/9/2022 5:02:05	1	R374631		0	0					

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dichlorobenzene	A	ug/L	121.10842	4.8443368		5	0	0	0.0746	0.5	500	97%	50	150	0%	
1,2-Dichloroethane	A	ug/L	118.17831	4.7271324		5	0	0	0.116	0.5	500	95%	50	150	0%	
1,2-Dichloropropane	A	ug/L	119.83745	4.793498		5	0	0	0.0847	0.5	500	96%	50	150	0%	
1,3-Dichlorobenzene	A	ug/L	121.02158	4.8408632		5	0	0	0.0803	0.5	500	97%	50	150	0%	
1,3-Dichloropropane	A	ug/L	117.11767	4.6847068		5	0	0	0.0791	0.5	500	94%	50	150	0%	
1,4-Dichlorobenzene	A	ug/L	120.82887	4.8331548		5	0	0	0.0858	0.5	500	97%	50	150	0%	
2,2-Dichloropropane	A	ug/L	116.24148	4.6496592		5	0	0	0.186	0.5	500	93%	50	150	0%	
2-Chlorotoluene	A	ug/L	125.09399	5.0037596		5	0	0	0.0876	0.5	500	100%	50	150	0%	
4-Chlorotoluene	A	ug/L	125.66653	5.0266612		5	0	0	0.0728	0.5	500	101%	50	150	0%	
Benzene	A	ug/L	121.40138	4.8560552		5	0	0	0.0914	0.5	500	97%	50	150	0%	
Bromobenzene	A	ug/L	122.19886	4.8879544		5	0	0	0.0831	0.5	500	98%	50	150	0%	
Bromochloromethane	A	ug/L	116.60579	4.6642316		5	0	0	0.141	0.5	500	93%	50	150	0%	
Bromodichloromethane	A	ug/L	116.18269	4.6473076		5	0	0	0.12	0.5	500	93%	50	150	0%	
Bromoform	A	ug/L	114.70869	4.5883476		5	0	0	0.119	0.5	500	92%	50	150	0%	
Bromomethane	A	ug/L	102.27849	4.0911396		5	0	0	0.253	0.5	500	82%	50	150	0%	
Carbon tetrachloride	A	ug/L	119.68917	4.7875668		5	0	0	0.143	0.5	500	96%	50	150	0%	
Chlorobenzene	A	ug/L	121.38533	4.8554132		5	0	0	0.0914	0.5	500	97%	50	150	0%	
Chlorodibromomethane	A	ug/L	119.40998	4.7763992		5	0	0	0.0841	0.5	500	96%	50	150	0%	
Chloroethane	A	ug/L	129.78388	5.1913552		5	0	0	0.169	0.5	500	104%	50	150	0%	
Chloroform	A	ug/L	118.70657	4.7482628		5	0	0	0.0789	0.5	500	95%	50	150	0%	
Chloromethane	A	ug/L	123.44917	4.9379668		5	0	0	0.162	0.5	500	99%	50	150	0%	
cis-1,2-Dichloroethene	A	ug/L	115.92522	4.6370088		5	0	0	0.108	0.5	500	93%	50	150	0%	
cis-1,3-Dichloropropene	A	ug/L	115.29462	4.6117848		5	0	0	0.073	0.5	500	92%	50	150	0%	
Dibromomethane	A	ug/L	116.83481	4.6733924		5	0	0	0.147	0.5	500	93%	50	150	0%	
Dichlorodifluoromethane	A	ug/L	120.28425	4.81137		5	0	0	0.175	0.5	500	96%	50	150	0%	
Ethylbenzene	A	ug/L	119.83512	4.7934048		5	0	0	0.0836	0.5	500	96%	50	150	0%	
m+p-Xylenes	A	ug/L	241.66043	9.6664172		10	0	0	0.15	0.5	1000	97%	50	150	0%	
Methyl ethyl ketone	A	ug/L	1140.21007	45.6084028		50	0	0	1.77	10	5000	91%	50	150	0%	
Methyl tert-butyl ether (MTBE)	A	ug/L	113.98842	4.5595368		5	0	0	0.101	0.5	500	91%	50	150	0%	
Methylene chloride	A	ug/L	116.73585	4.669434		5	0	0	0.338	0.5	500	93%	50	150	0%	
o-Xylene	A	ug/L	117.91171	4.7164684		5	0	0	0.0604	0.5	500	94%	50	150	0%	
Styrene	A	ug/L	120.19503	4.8078012		5	0	0	0.067	0.5	500	96%	50	150	0%	
Tetrachloroethene	A	ug/L	119.17899	4.7671596		5	0	0	0.0671	0.5	500	95%	50	150	0%	
Toluene	A	ug/L	121.6448	4.865792		5	0	0	0.0679	0.5	500	97%	50	150	0%	
trans-1,2-Dichloroethene	A	ug/L	117.79122	4.7116488		5	0	0	0.125	0.5	500	94%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033719	CCV_CLOSING	VOC-8260-W-Q	CCV	)A5975C\VG020	2/9/2022 5:02:05	1	R374631		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
trans-1,3-Dichloropropene	A	ug/L	116.08166	4.6432664		5	0	0	0.0846	0.5	500	93%	50	150	0%	
Trichloroethene	A	ug/L	120.97708	4.8390832		5	0	0	0.0993	0.5	500	97%	50	150	0%	
Trichlorofluoromethane	A	ug/L	124.92479	4.9969916		5	0	0	0.134	0.5	500	100%	50	150	0%	
Vinyl chloride	A	ug/L	118.96868	4.7587472		5	0	0	0.153	0.5	500	95%	50	150	0%	
1,4-Dichlorobenzene-d4	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Chlorobenzene-d5	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Fluorobenzene	I	ug/L	250	10		0	0	0	0	0	500	0%	0	0	0%	
Xylenes, Total	M	ug/L	359.57214	14.3828856		15	0	0	0.0604	0.5	1500	96%	50	150	0%	
1,2-Dichloroethane-d4	S	ug/L	277.68853	11.1075412		10	0	0	0.229	0.5	500	111%	50	150	0%	
Dibromofluoromethane	S	ug/L	269.17261	10.7669044		10	0	0	0.129	0.5	500	108%	50	150	0%	
p-Bromofluorobenzene	S	ug/L	262.27908	10.4911632		10	0	0	0.149	0.5	500	105%	50	150	0%	
Toluene-d8	S	ug/L	271.91157	10.8764628		10	0	0	0.23	0.5	500	109%	50	150	0%	

DATAFILE HEADERS FROM C:\MSDCHEM\1\DATA\VG020922

```
Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB01.D
Sample Name    : PRIMER
Operator       : MSC
Date injected  :  9 Feb 2022   5:22 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 1
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB02.D
Sample Name    : BFB020922_
Operator       : MSC
Date injected  :  9 Feb 2022   5:49 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 2
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB03.D
Sample Name    : CCV020922_
Operator       : MSC
Date injected  :  9 Feb 2022   6:25 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 3
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB04.D
Sample Name    : LCS020922_
Operator       : MSC
Date injected  :  9 Feb 2022   7:01 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 4
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB05.D
```

```
Sample Name    : BLK
Operator       : MSC
Date injected  :  9 Feb 2022   7:28 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 5
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB06.D
Sample Name    : MBLK020922_
Operator       : MSC
Date injected  :  9 Feb 2022   7:55 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 6
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB07.D
Sample Name    : B22020415-001F
Operator       : MSC
Date injected  :  9 Feb 2022   8:23 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.839
End Time       : 16.498
Vial Number    : 7
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB08.D
Sample Name    : B22020415-006F
Operator       : MSC
Date injected  :  9 Feb 2022   8:50 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 8
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB09.D
Sample Name    : B22020415-011F
Operator       : MSC
Date injected  :  9 Feb 2022   9:17 am
```

```
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.839
End Time       : 16.498
Vial Number    : 9
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB10.D
Sample Name    : B22020415-016C
Operator       : MSC
Date injected  :  9 Feb 2022   9:44 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.839
End Time       : 16.498
Vial Number    : 10
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB11.D
Sample Name    : B22020415-017F
Operator       : MSC
Date injected  :  9 Feb 2022  10:12 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.839
End Time       : 16.498
Vial Number    : 11
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB12.D
Sample Name    : B22020415-022F
Operator       : MSC
Date injected  :  9 Feb 2022  10:39 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 12
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB13.D
Sample Name    : B22020415-027F
Operator       : MSC
Date injected  :  9 Feb 2022  11:06 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
```

```
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 13
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB14.D
Sample Name    : B22020415-032F
Operator       : MSC
Date injected  :  9 Feb 2022  11:33 am
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 14
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB15.D
Sample Name    : BLK
Operator       : MSC
Date injected  :  9 Feb 2022  12:01 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 15
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB16.D
Sample Name    : B22020415-002A
Operator       : MSC
Date injected  :  9 Feb 2022  12:28 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.839
End Time       : 16.498
Vial Number    : 16
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB17.D
Sample Name    : B22020415-007A
Operator       : MSC
Date injected  :  9 Feb 2022  12:55 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 17
```

```
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB18.D
Sample Name    : B22020415-012A
Operator       : MSC
Date injected  :  9 Feb 2022   1:23 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 18
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB19.D
Sample Name    : B22020415-018A
Operator       : MSC
Date injected  :  9 Feb 2022   1:50 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 19
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB20.D
Sample Name    : B22020415-023A
Operator       : MSC
Date injected  :  9 Feb 2022   2:17 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 20
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB21.D
Sample Name    : B22020415-028A
Operator       : MSC
Date injected  :  9 Feb 2022   2:45 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 21
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB22.D
```

```
Sample Name    : B22020415-033A
Operator       : MSC
Date injected  :  9 Feb 2022   3:12 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.839
End Time       : 16.498
Vial Number    : 22
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB23.D
Sample Name    : B22020415-006FMS
Operator       : MSC
Date injected  :  9 Feb 2022   3:40 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 23
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB24.D
Sample Name    : B22020415-006FMSD
Operator       : MSC
Date injected  :  9 Feb 2022   4:07 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 24
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB25.D
Sample Name    : BLK
Operator       : MSC
Date injected  :  9 Feb 2022   4:34 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 25
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB26.D
Sample Name    : CCV_CLOSING_020922
Operator       : MSC
Date injected  :  9 Feb 2022   5:02 pm
```

```
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 26
---------------------------------------------------------------

Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB27.D
Sample Name    : BLK
Operator       : MSC
Date injected  :  9 Feb 2022   5:29 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 27
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Data file Name : C:\MSDCHEM\1\DATA\VG020922\09FEB28.D
Sample Name    : BLK
Operator       : MSC
Date injected  :  9 Feb 2022   5:56 pm
Instrument     : VOA5975C
Method used    : 5975CACQF
No of spectra  : 5616
Start Time     : 0.840
End Time       : 16.498
Vial Number    : 28
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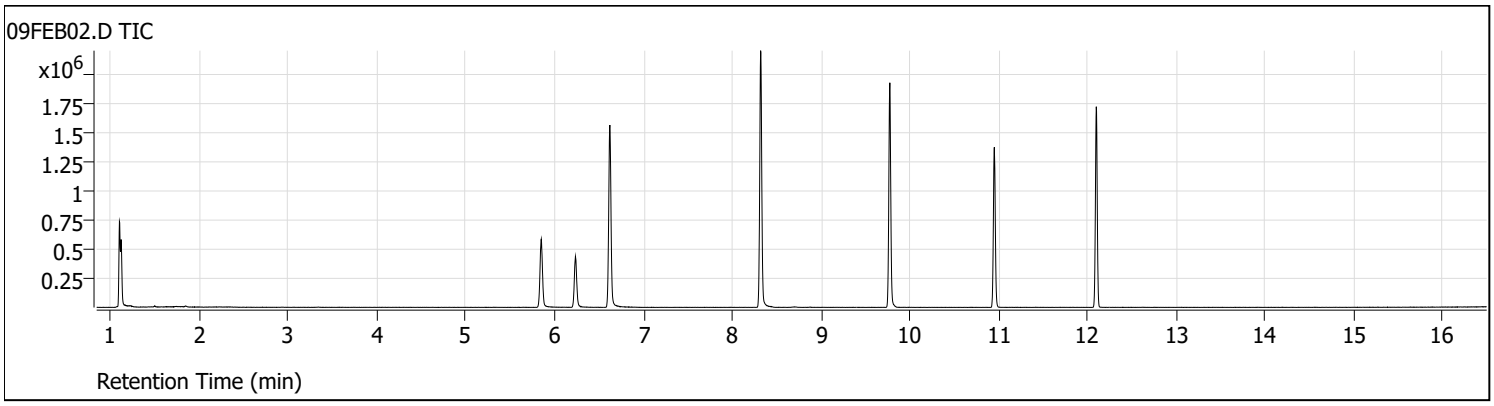
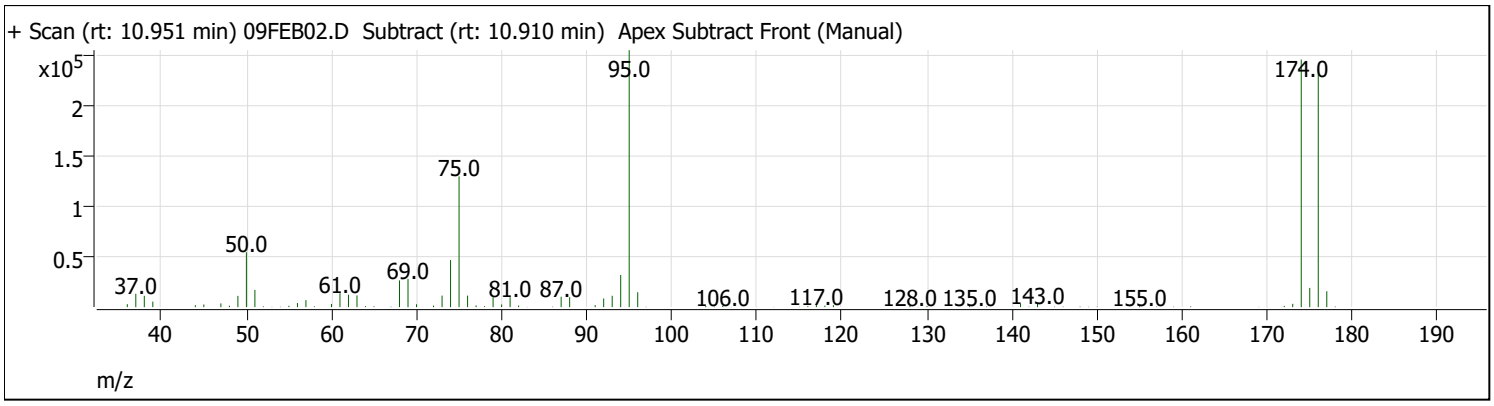
Tune Evaluation Report

Data Path:	D:\Org\Data\VOA5975C\VG020922\09FEB02.D
Acq on:	2/9/2022 5:49:46 AM
Operator:	MSC
Sample:	BFB020922_
Inst Name:	VOA5975C
ALS Vial:	2
Method:	\\MASSHUNTER\Org\Data\Methods\BFBapex.m





Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
50	95	15	40	21.4	54680	Pass
75	95	30	60	50.9	130112	Pass
95	95	100	100	100.0	255808	Pass
96	95	5	9	5.8	14842	Pass
173	174	0	2	1.3	3310	Pass
174	95	50	100	96.3	246464	Pass
175	174	5	9	7.8	19128	Pass
176	174	95	101	96.2	236992	Pass
177	176	5	9	6.7	15848	Pass

Continuing Calibration Report

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Batch Name D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin
Method File \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_011922_CAL\VOA5975C_8260B_SHT_DoD_L4_011922.m
Daily CC D:\Org\Data\VOA5975C\VG02092209FEB03.D

Level name	Injection Time	Calibration Files
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2	1/19/2022 11:15:33 AM	D:\Org\Data\VOA5975C\VG011922\19JAN05.D
3	1/19/2022 11:42:44 AM	D:\Org\Data\VOA5975C\VG011922\19JAN06.D
4	1/19/2022 12:09:57 PM	D:\Org\Data\VOA5975C\VG011922\19JAN07.D
5	1/19/2022 1:04:20 PM	D:\Org\Data\VOA5975C\VG011922\19JAN09.D
6	1/19/2022 1:58:41 PM	D:\Org\Data\VOA5975C\VG011922\19JAN11.D
7	1/19/2022 2:53:18 PM	D:\Org\Data\VOA5975C\VG011922\19JAN13.D
8	1/19/2022 3:47:49 PM	D:\Org\Data\VOA5975C\VG011922\19JAN15.D
CC	2/9/2022 6:25:36 AM	D:\Org\Data\VOA5975C\VG020922\09FEB03.D <======

ISTD Compound:	Avg Resp	Mid Resp	CC Resp	Area%	A/M
Fluorobenzene	845168	806368	816004	101.19	M
Chlorobenzene-d5	327060	318877	317964	99.71	M
1,4-Dichlorobenzene-d4	269016	262955	275443	104.75	M

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
Fluorobenzene	----------ISTD----------						
Dichlorodifluoromethane	0.3362	0.3179	125.00	118.20	5.44	87.41	Avg RF
Chloromethane	0.3958	0.3868	125.00	122.18	2.25	92.74	Avg RF
Vinyl chloride	0.3602	0.3421	125.00	118.72	5.03	90.80	Avg RF
Bromomethane	0.9976	0.1341	125.00	108.19	13.45	91.89	Quadratic
Chloroethane	0.1704	0.1729	125.00	126.82	-1.45	107.86	Avg RF
Trichlorofluoromethane	0.4320	0.4158	125.00	120.32	3.75	87.64	Avg RF
1,1-Dichloroethene	0.2514	0.2498	125.00	124.21	0.63	96.46	Avg RF
Methylene chloride	0.3654	0.3648	125.00	124.76	0.19	99.24	Avg RF
trans-1,2-Dichloroethene	0.2597	0.2550	125.00	122.73	1.81	94.35	Avg RF
Methyl tert-butyl ether (MTBE)	0.3245	0.3196	125.00	123.10	1.52	95.20	Avg RF
1,1-Dichloroethane	0.4860	0.4917	125.00	126.48	-1.18	97.55	Avg RF
2,2-Dichloropropane	0.3662	0.3793	125.00	129.47	-3.58	100.86	Avg RF
cis-1,2-Dichloroethene	0.2629	0.2684	125.00	127.62	-2.09	97.08	Avg RF
Methyl ethyl ketone	0.0380	0.0378 #	1250.00	1242.82	0.57	100.02	Avg RF
Bromochloromethane	0.1084	0.1107	125.00	127.65	-2.12	98.28	Avg RF
Chloroform	0.4852	0.4712	125.00	121.38	2.90	97.95	Avg RF
1,1,1-Trichloroethane	0.4477	0.4518	125.00	126.14	-0.92	97.29	Avg RF
Dibromofluoromethane	0.2421	0.2641	250.00	272.66	-9.06	213.74	Avg RF
Carbon tetrachloride	0.4342	0.4268	125.00	122.85	1.72	94.64	Avg RF
1,1-Dichloropropene	0.3630	0.3755	125.00	129.28	-3.43	97.99	Avg RF
1,2-Dichloroethane-d4	0.1046	0.1214	250.00	290.07	-16.03	218.55	Avg RF
Benzene	0.9987	1.0206	125.00	127.75	-2.20	98.01	Avg RF
1,2-Dichloroethane	0.2758	0.2869	125.00	130.01	-4.01	107.34	Avg RF
Chlorobenzene-d5	----------ISTD----------						
Trichloroethene	0.7484	0.7550	125.00	126.10	-0.88	99.61	Avg RF
1,2-Dichloropropane	0.6580	0.6713	125.00	127.52	-2.01	99.78	Avg RF
Dibromomethane	0.2774	0.3007	125.00	135.49	-8.39	107.03	Avg RF
Bromodichloromethane	0.7799	0.7988	125.00	128.02	-2.42	101.61	Avg RF
cis-1,3-Dichloropropene	0.8559	0.8347	125.00	121.91	2.47	95.06	Avg RF
Toluene-d8	2.4390	2.6726	250.00	273.95	-9.58	205.86	Avg RF
Toluene	1.6257	1.6877	125.00	129.76	-3.81	99.54	Avg RF
trans-1,3-Dichloropropene	0.6243	0.6643	125.00	133.02	-6.42	102.70	Avg RF
1,1,2-Trichloroethane	0.3174	0.3329	125.00	131.09	-4.87	100.28	Avg RF
Tetrachloroethene	0.6592	0.6483	125.00	122.93	1.66	94.39	Avg RF

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
1,3-Dichloropropane	0.6424	0.6799	125.00	132.31	-5.84	106.62	Avg RF
Chlorodibromomethane	0.5112	0.5237	125.00	128.05	-2.44	100.11	Avg RF
1,2-Dibromoethane	0.3506	0.3616	125.00	128.92	-3.13	98.29	Avg RF
Chlorobenzene	1.7822	1.8045	125.00	126.57	-1.25	99.15	Avg RF
1,1,1,2-Tetrachloroethane	0.6253	0.6326	125.00	126.46	-1.17	99.09	Avg RF
Ethylbenzene	0.9989	3.0929	125.00	124.49	0.41	97.34	Quadratic
m+p-Xylenes	0.9987	1.2399	250.00	250.48	-0.19	97.17	Quadratic
o-Xylene	0.9987	1.0812	125.00	124.89	0.09	95.98	Quadratic
Styrene	0.9983	1.8524	125.00	129.21	-3.37	100.61	Quadratic
1,4-Dichlorobenzene-d4	----------ISTD----------						
Bromoform	0.3350	0.3272	125.00	122.09	2.33	100.04	Avg RF
p-Bromofluorobenzene	0.9231	0.9488	250.00	256.98	-2.79	203.66	Avg RF
Bromobenzene	0.8140	0.8120	125.00	124.69	0.25	99.20	Avg RF
1,1,2,2-Tetrachloroethane	0.4643	0.4781	125.00	128.71	-2.97	105.11	Avg RF
1,2,3-Trichloropropane	0.1220	0.1249	125.00	127.97	-2.38	105.17	Avg RF
2-Chlorotoluene	0.8056	0.8051	125.00	124.91	0.07	97.15	Avg RF
4-Chlorotoluene	2.6094	2.7149	125.00	130.05	-4.04	99.46	Avg RF
1,3-Dichlorobenzene	1.4748	1.4299	125.00	121.19	3.05	98.27	Avg RF
1,4-Dichlorobenzene	1.5036	1.4825	125.00	123.25	1.40	99.17	Avg RF
1,2-Dichlorobenzene	1.2313	1.2204	125.00	123.89	0.88	99.03	Avg RF

A -- against Average; M -- against Mid Point; P -- against Previous CC in the Method;

Continuing Calibration Report

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Batch Name	D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin
Method File	\\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_011922_CAL\VOA5975C_8260B_SHT_DoD_L4_011922.m
Daily CC	D:\Org\Data\VOA5975C\VG02092209FEB26.D

Level name	Injection Time	Calibration Files	
1	1/19/2022 10:48:21 AM	D:\Org\Data\VOA5975C\VG011922\19JAN04.D	
2	1/19/2022 11:15:33 AM	D:\Org\Data\VOA5975C\VG011922\19JAN05.D	
3	1/19/2022 11:42:44 AM	D:\Org\Data\VOA5975C\VG011922\19JAN06.D	
4	1/19/2022 12:09:57 PM	D:\Org\Data\VOA5975C\VG011922\19JAN07.D	
5	1/19/2022 1:04:20 PM	D:\Org\Data\VOA5975C\VG011922\19JAN09.D	
6	1/19/2022 1:58:41 PM	D:\Org\Data\VOA5975C\VG011922\19JAN11.D	
7	1/19/2022 2:53:18 PM	D:\Org\Data\VOA5975C\VG011922\19JAN13.D	
8	1/19/2022 3:47:49 PM	D:\Org\Data\VOA5975C\VG011922\19JAN15.D	
CC	2/9/2022 5:02:05 PM	D:\Org\Data\VOA5975C\VG020922\09FEB26.D	<======

ISTD Compound:	Avg Resp	Mid Resp	CC Resp	Area%	A/M
Fluorobenzene	845168	806368	845760	104.89	M
Chlorobenzene-d5	327060	318877	328766	103.10	M
1,4-Dichlorobenzene-d4	269016	262955	275529	104.78	M

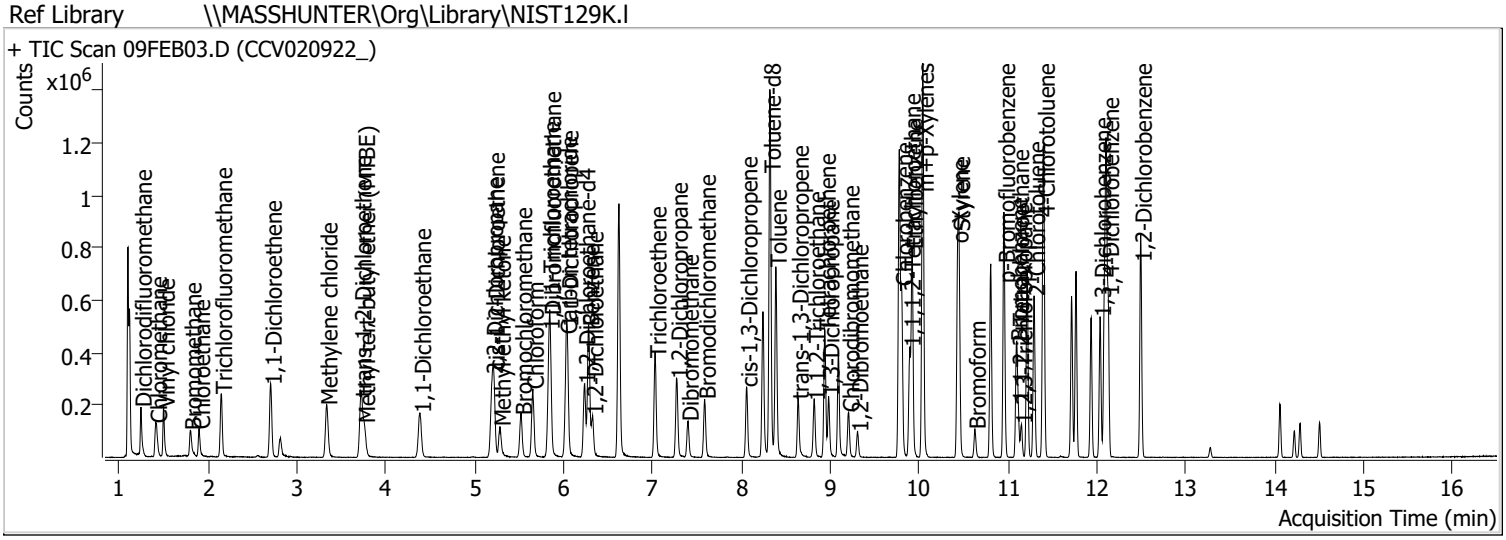
Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
Fluorobenzene	----------ISTD----------						
Dichlorodifluoromethane	0.3362	0.3235	125.00	120.28	3.77	92.20	Avg RF
Chloromethane	0.3958	0.3909	125.00	123.45	1.24	97.12	Avg RF
Vinyl chloride	0.3602	0.3429	125.00	118.97	4.83	94.31	Avg RF
Bromomethane	0.9976	0.1263	125.00	102.28	18.18	89.74	Quadratic
Chloroethane	0.1704	0.1770	125.00	129.78	-3.83	114.41	Avg RF
Trichlorofluoromethane	0.4320	0.4317	125.00	124.92	0.06	94.31	Avg RF
1,1-Dichloroethene	0.2514	0.2377	125.00	118.19	5.45	95.13	Avg RF
Methylene chloride	0.3654	0.3413	125.00	116.74	6.61	96.24	Avg RF
trans-1,2-Dichloroethene	0.2597	0.2447	125.00	117.79	5.77	93.85	Avg RF
Methyl tert-butyl ether (MTBE)	0.3245	0.2960	125.00	113.99	8.81	91.37	Avg RF
1,1-Dichloroethane	0.4860	0.4708	125.00	121.09	3.12	96.80	Avg RF
2,2-Dichloropropane	0.3662	0.3406	125.00	116.24	7.01	93.85	Avg RF
cis-1,2-Dichloroethene	0.2629	0.2438	125.00	115.93	7.26	91.40	Avg RF
Methyl ethyl ketone	0.0380	0.0347 #	1250.00	1140.21	8.78	95.10	Avg RF
Bromochloromethane	0.1084	0.1011	125.00	116.61	6.72	93.05	Avg RF
Chloroform	0.4852	0.4608	125.00	118.71	5.03	99.29	Avg RF
1,1,1-Trichloroethane	0.4477	0.4264	125.00	119.04	4.77	95.16	Avg RF
Dibromofluoromethane	0.2421	0.2607	250.00	269.17	-7.67	218.71	Avg RF
Carbon tetrachloride	0.4342	0.4158	125.00	119.69	4.25	95.56	Avg RF
1,1-Dichloropropene	0.3630	0.3442	125.00	118.50	5.20	93.10	Avg RF
1,2-Dichloroethane-d4	0.1046	0.1162	250.00	277.69	-11.08	216.85	Avg RF
Benzene	0.9987	0.9700	125.00	121.40	2.88	96.54	Avg RF
1,2-Dichloroethane	0.2758	0.2608	125.00	118.18	5.46	101.14	Avg RF
Chlorobenzene-d5	----------ISTD----------						
Trichloroethene	0.7484	0.7244	125.00	120.98	3.22	98.81	Avg RF
1,2-Dichloropropane	0.6580	0.6309	125.00	119.84	4.13	96.96	Avg RF
Dibromomethane	0.2774	0.2592	125.00	116.83	6.53	95.43	Avg RF
Bromodichloromethane	0.7799	0.7249	125.00	116.18	7.05	95.35	Avg RF
cis-1,3-Dichloropropene	0.8559	0.7894	125.00	115.29	7.76	92.95	Avg RF
Toluene-d8	2.4390	2.6528	250.00	271.91	-8.76	211.27	Avg RF
Toluene	1.6257	1.5821	125.00	121.64	2.68	96.48	Avg RF
trans-1,3-Dichloropropene	0.6243	0.5797	125.00	116.08	7.13	92.66	Avg RF
1,1,2-Trichloroethane	0.3174	0.3051	125.00	120.13	3.90	95.01	Avg RF
Tetrachloroethene	0.6592	0.6285	125.00	119.18	4.66	94.62	Avg RF

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
1,3-Dichloropropane	0.6424	0.6019	125.00	117.12	6.31	97.59	Avg RF
Chlorodibromomethane	0.5112	0.4884	125.00	119.41	4.47	96.52	Avg RF
1,2-Dibromoethane	0.3506	0.3323	125.00	118.49	5.21	93.40	Avg RF
Chlorobenzene	1.7822	1.7307	125.00	121.39	2.89	98.32	Avg RF
1,1,1,2-Tetrachloroethane	0.6253	0.5992	125.00	119.78	4.18	97.04	Avg RF
Ethylbenzene	0.9989	2.9729	125.00	119.84	4.13	96.75	Quadratic
m+p-Xylenes	0.9987	1.1948	250.00	241.66	3.34	96.82	Quadratic
o-Xylene	0.9987	1.0184	125.00	117.91	5.67	93.47	Quadratic
Styrene	0.9983	1.7186	125.00	120.20	3.84	96.51	Quadratic
1,4-Dichlorobenzene-d4	----------ISTD----------						
Bromoform	0.3350	0.3074	125.00	114.71	8.23	94.02	Avg RF
p-Bromofluorobenzene	0.9231	0.9684	250.00	262.28	-4.91	207.92	Avg RF
Bromobenzene	0.8140	0.7958	125.00	122.20	2.24	97.25	Avg RF
1,1,2,2-Tetrachloroethane	0.4643	0.4323	125.00	116.38	6.89	95.08	Avg RF
1,2,3-Trichloropropane	0.1220	0.1139	125.00	116.72	6.63	95.95	Avg RF
2-Chlorotoluene	0.8056	0.8062	125.00	125.09	-0.08	97.32	Avg RF
4-Chlorotoluene	2.6094	2.6233	125.00	125.67	-0.53	96.13	Avg RF
1,3-Dichlorobenzene	1.4748	1.4279	125.00	121.02	3.18	98.16	Avg RF
1,4-Dichlorobenzene	1.5036	1.4534	125.00	120.83	3.34	97.25	Avg RF
1,2-Dichlorobenzene	1.2313	1.1930	125.00	121.11	3.11	96.83	Avg RF

A -- against Average; M -- against Mid Point; P -- against Previous CC in the Method;

Quantitation Results Report (QT Reviewed)

Data File	09FEB03.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 6:25:36 AM
Sample Name	CCV020922_	Instrument	VOA5975C
Vial	3	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

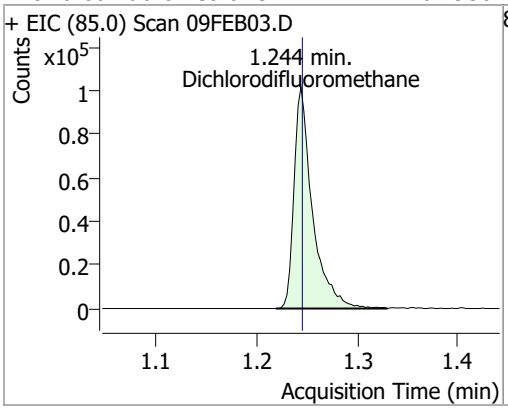


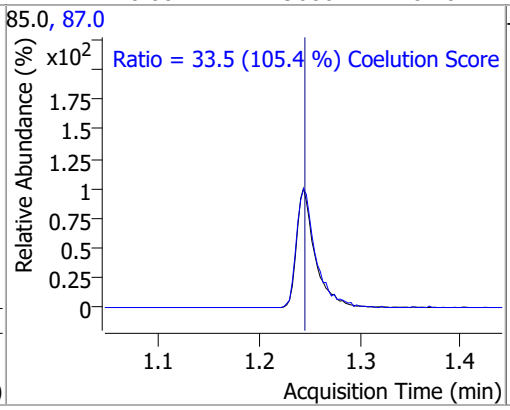
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M Fluorobenzene	6.620	96.0	816004	250.0000	ng	0.000
M Chlorobenzene-d5	9.774	82.0	317964	250.0000	ng	0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	275443	250.0000	ng	0.000
System Monitoring Compounds						
S Dibromofluoromethane	5.845	113.0	215498	272.6556	ng	-0.006
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 109.06%		
S 1,2-Dichloroethane-d4	6.233	67.0	99034	290.0670	ng	0.003
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 116.03%		
S Toluene-d8	8.319	98.0	849802	273.9490	ng	0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 109.58%		
S p-Bromofluorobenzene	10.954	95.0	261351	256.9824	ng	0.006
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 102.79%		
Target Compounds						**QValue**
T Dichlorodifluoromethane	1.244	85.0	129686	118.1950	ng	97
T Chloromethane	1.417	50.0	157835	122.1836	ng	99
T Vinyl chloride	1.500	62.0	139589	118.7153	ng	100
T Bromomethane	1.802	96.0	54693	108.1898	ng	99
T Chloroethane	1.899	64.0	70548	126.8157	ng	99
T Trichlorofluoromethane	2.147	101.0	169647	120.3184	ng	100
T 1,1-Dichloroethene	2.705	96.0	101904	124.2094	ng	98
T Methylene chloride	3.333	49.0	148820	124.7627	ng	99
T trans-1,2-Dichloroethene	3.715	96.0	104022	122.7343	ng	97
T Methyl tert-butyl ether (MTBE)	3.756	73.0	130399	123.0973	ng	98
T 1,1-Dichloroethane	4.384	63.0	200620	126.4789	ng	98
T 2,2-Dichloropropane	5.195	77.0	154769	129.4733	ng	99
T cis-1,2-Dichloroethene	5.212	96.0	109513	127.6163	ng	97
T Methyl ethyl ketone	5.282	43.0	154129	1242.8211	ng	99
T Bromochloromethane	5.522	128.0	45166	127.6523	ng	97
T Chloroform	5.653	83.0	192234	121.3772	ng	99

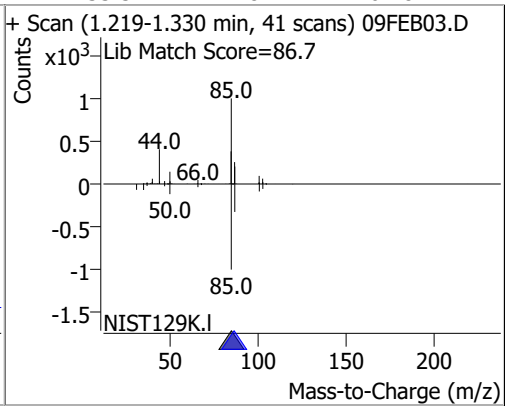
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	5.834	97.0	184332	126.1440	ng	99
T Carbon tetrachloride	6.026	117.0	174115	122.8542	ng	100
T 1,1-Dichloropropene	6.040	75.0	153196	129.2831	ng	99
T Benzene	6.277	78.0	416424	127.7453	ng	99
T 1,2-Dichloroethane	6.325	62.0	117054	130.0069	ng	98
T Trichloroethene	7.030	95.0	120036	126.1007	ng	98
T 1,2-Dichloropropane	7.273	63.0	106724	127.5182	ng	98
T Dibromomethane	7.396	93.0	47798	135.4934	ng	97
T Bromodichloromethane	7.585	83.0	126992	128.0190	ng	99
T cis-1,3-Dichloropropene	8.057	75.0	132705	121.9124	ng	97
T Toluene	8.386	92.0	268313	129.7639	ng	99
T trans-1,3-Dichloropropene	8.634	75.0	105618	133.0202	ng	98
T 1,1,2-Trichloroethane	8.815	83.0	52926	131.0904	ng	97
T Tetrachloroethene	8.938	163.8	103071	122.9284	ng	98
T 1,3-Dichloropropane	8.980	76.0	108096	132.3055	ng	98
T Chlorodibromomethane	9.203	129.0	83261	128.0497	ng	99
T 1,2-Dibromoethane	9.303	107.0	57486	128.9184	ng	96
T Chlorobenzene	9.799	112.0	286889	126.5670	ng	99
T 1,1,1,2-Tetrachloroethane	9.894	131.0	100574	126.4597	ng	99
T Ethylbenzene	9.919	91.0	491714	124.4918	ng	99
T m+p-Xylenes	10.039	106.0	394237	250.4807	ng	99
T o-Xylene	10.430	106.0	171899	124.8863	ng	97
T Styrene	10.446	104.0	294499	129.2137	ng	99
T Bromoform	10.625	172.5	45061	122.0869	ng	97
T Bromobenzene	11.093	156.0	111830	124.6911	ng	100
T 1,1,2,2-Tetrachloroethane	11.113	83.0	65841	128.7069	ng	96
T 1,2,3-Trichloropropane	11.149	110.0	17200	127.9725	ng	97
T 2-Chlorotoluene	11.291	126.0	110878	124.9145	ng	97
T 4-Chlorotoluene	11.400	91.0	373899	130.0537	ng	100
T 1,3-Dichlorobenzene	12.033	146.0	196928	121.1917	ng	99
T 1,4-Dichlorobenzene	12.125	146.0	204172	123.2486	ng	98
T 1,2-Dichlorobenzene	12.493	146.0	168079	123.8950	ng	97

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

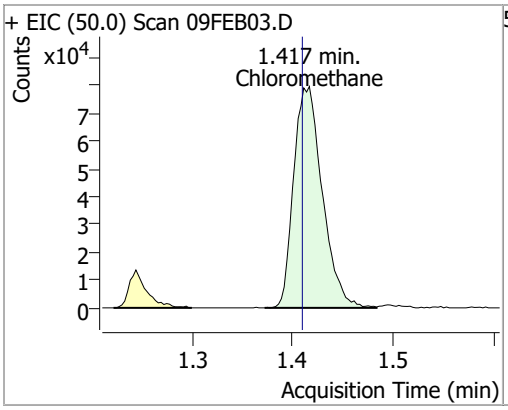
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	118.1950	1.24	0.00	129686	87.0	33.5	1.8	61.8

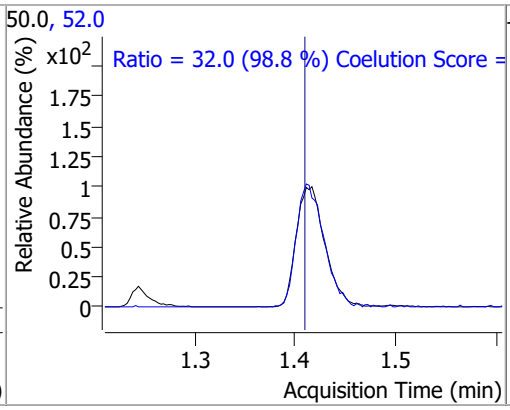


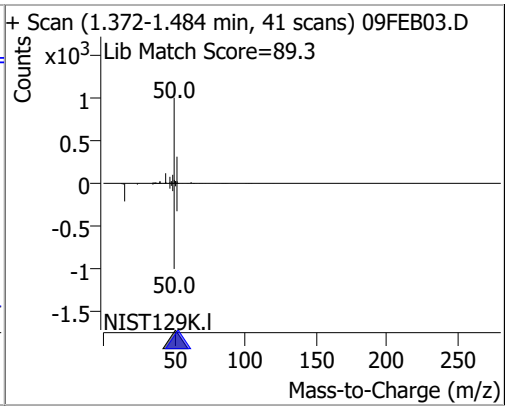




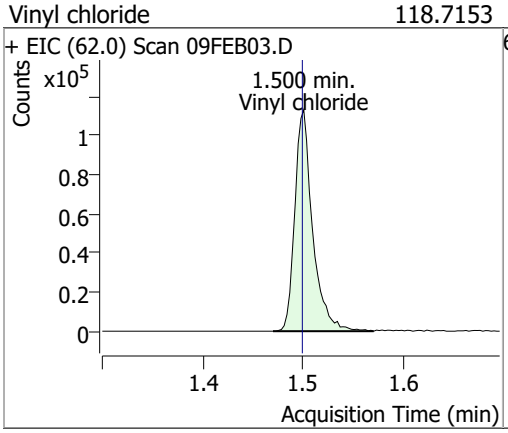
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	122.1836	1.42	0.01	157835	52.0	32.0	2.4	62.4

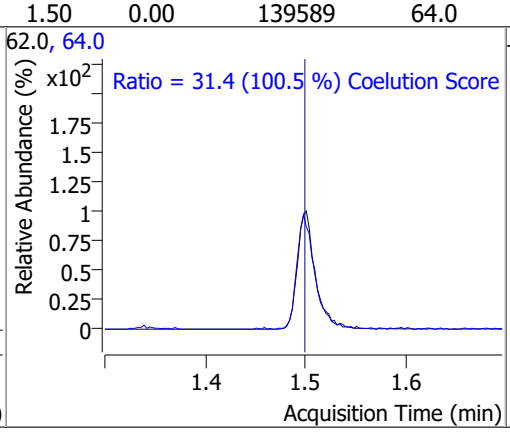


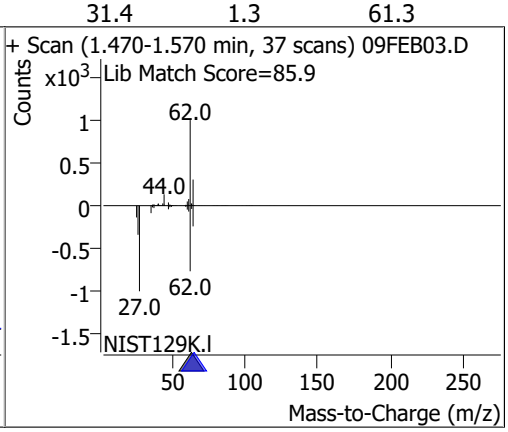




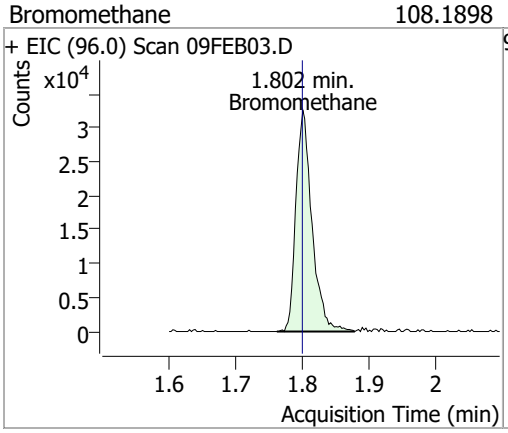
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	118.7153	1.50	0.00	139589	64.0	31.4	1.3	61.3

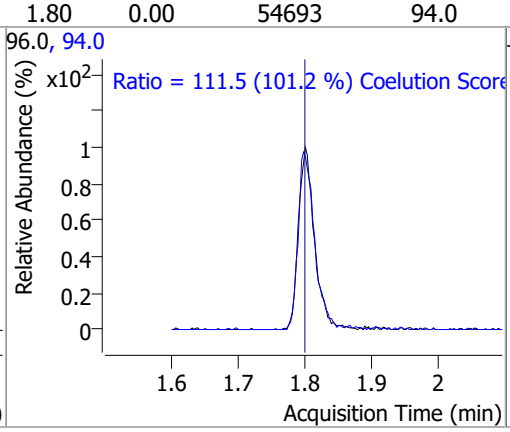


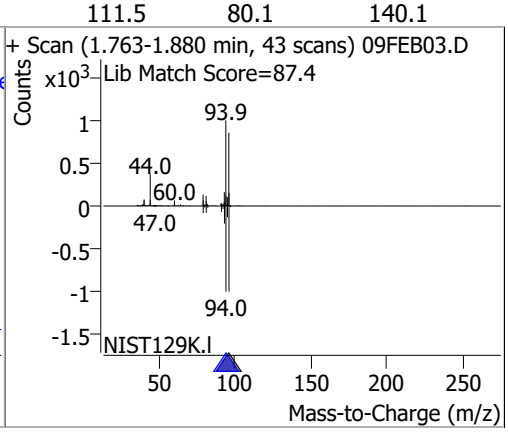




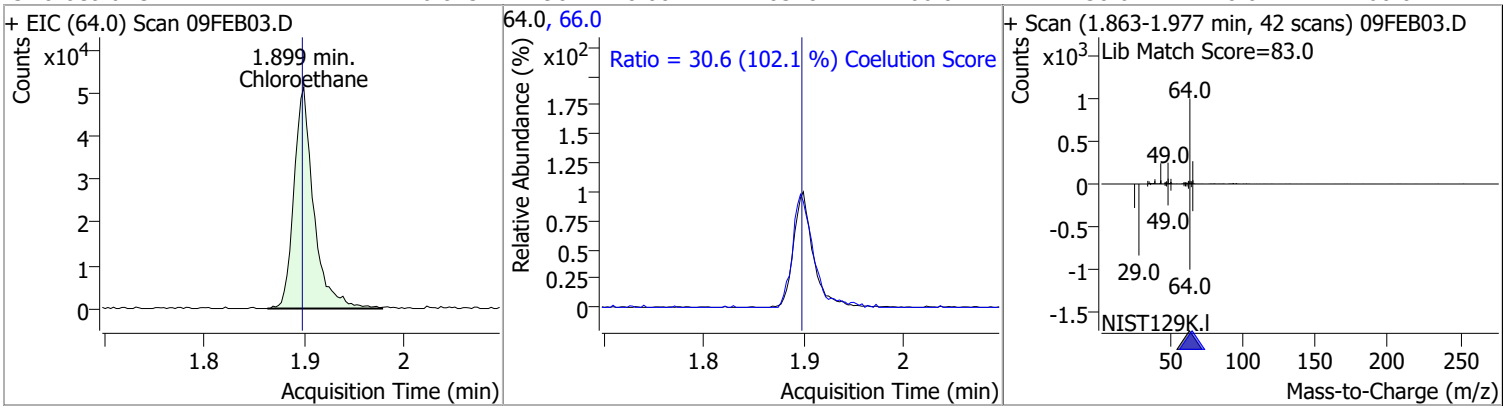
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	108.1898	1.80	0.00	54693	94.0	111.5	80.1	140.1



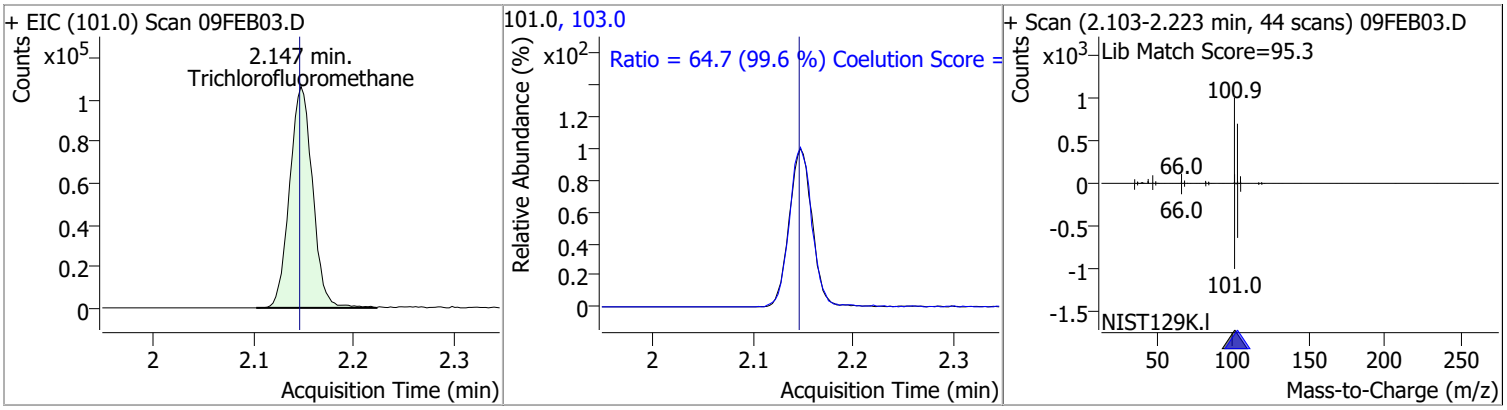




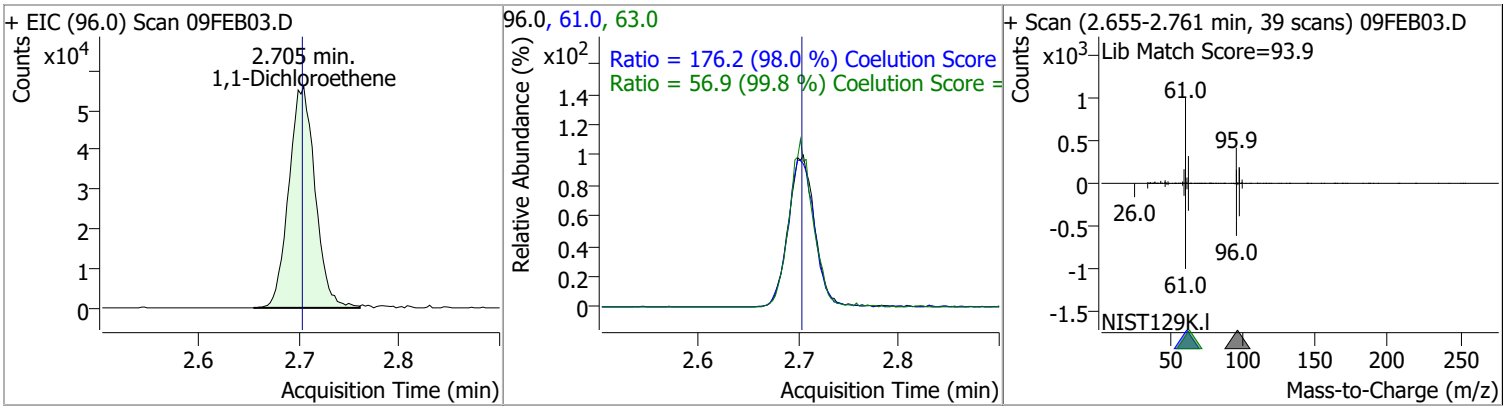
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	126.8157	1.90	0.00	70548	66.0	30.6	0.0	60.0



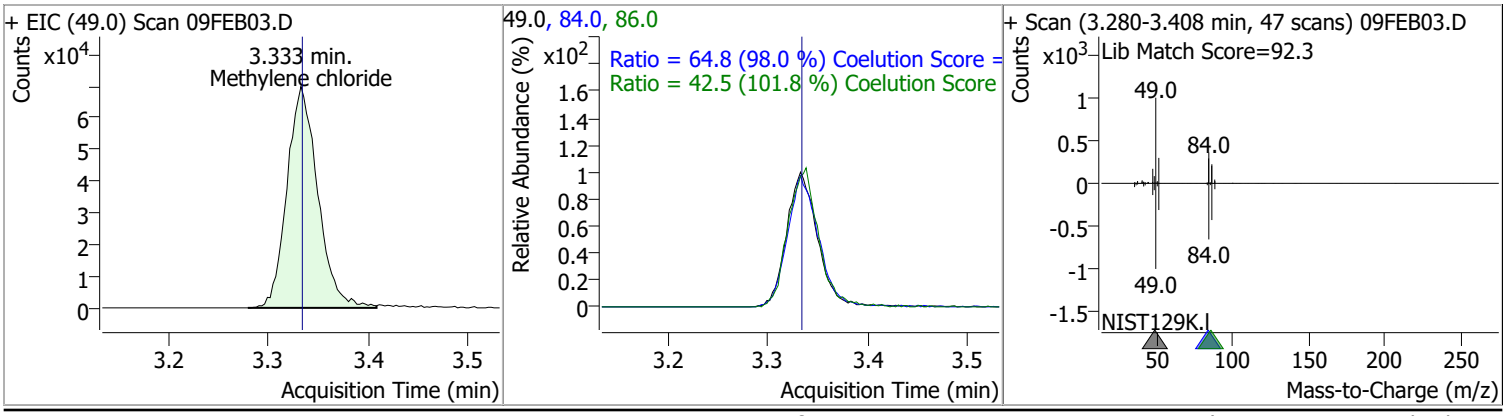
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	120.3184	2.15	0.00	169647	103.0	64.7	35.0	95.0



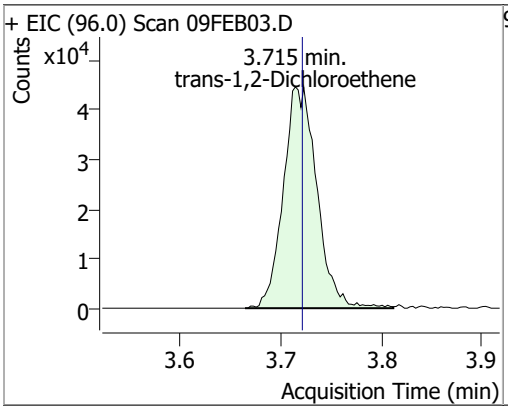
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	124.2094	2.71	0.00	101904	61.0	176.2	149.9	209.9
					63.0	56.9	27.0	87.0

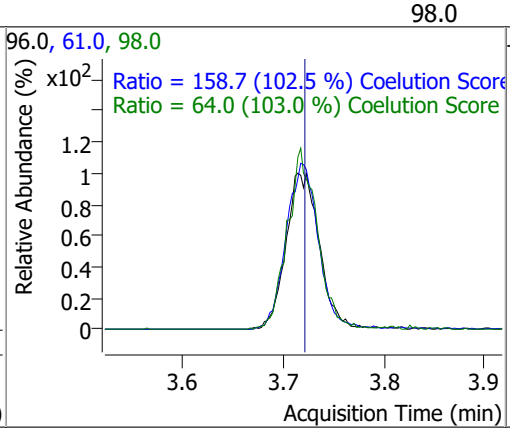


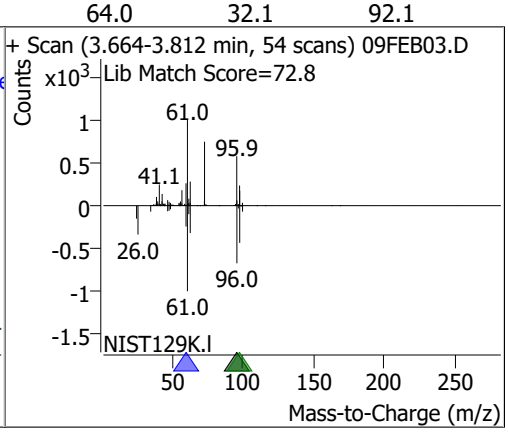
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	124.7627	3.33	0.00	148820	84.0	64.8	36.1	96.1
					86.0	42.5	11.8	71.8



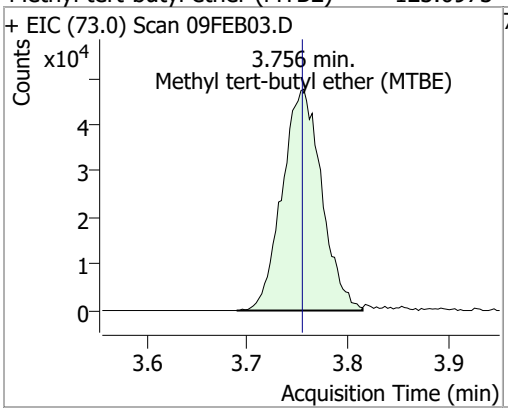
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	122.7343	3.71	-0.01	104022	61.0	158.7	124.8	184.8
					98.0	64.0	32.1	92.1

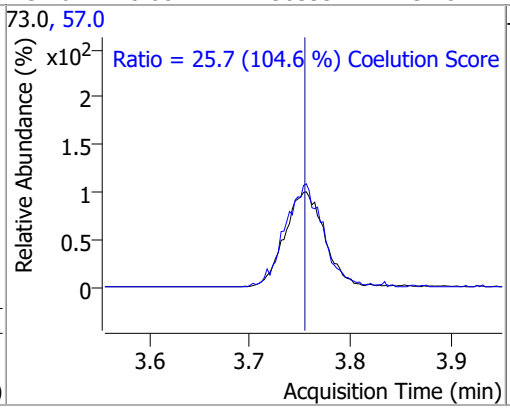


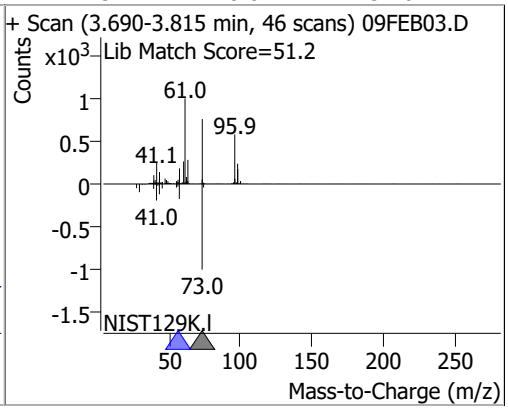




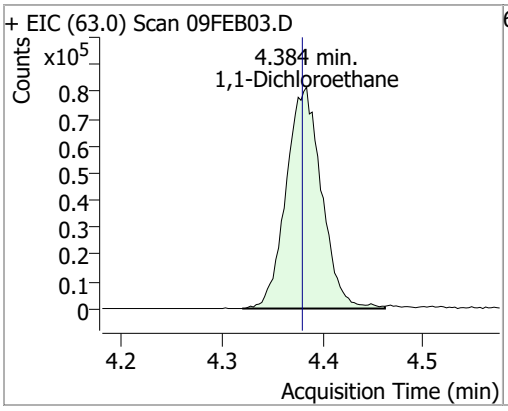
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	123.0973	3.76	0.00	130399	57.0	25.7	0.0	54.6

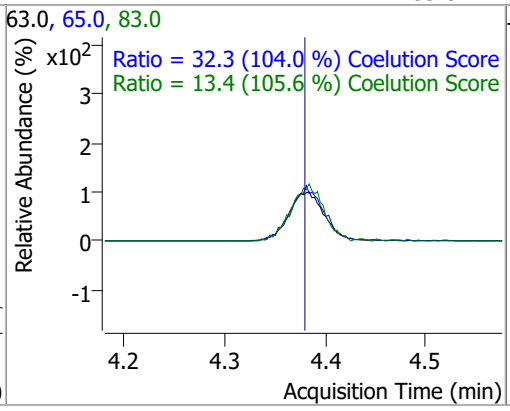


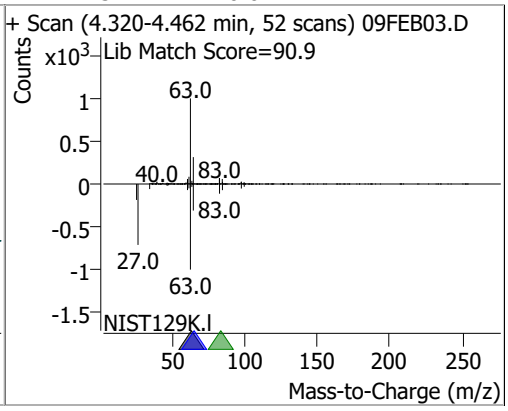




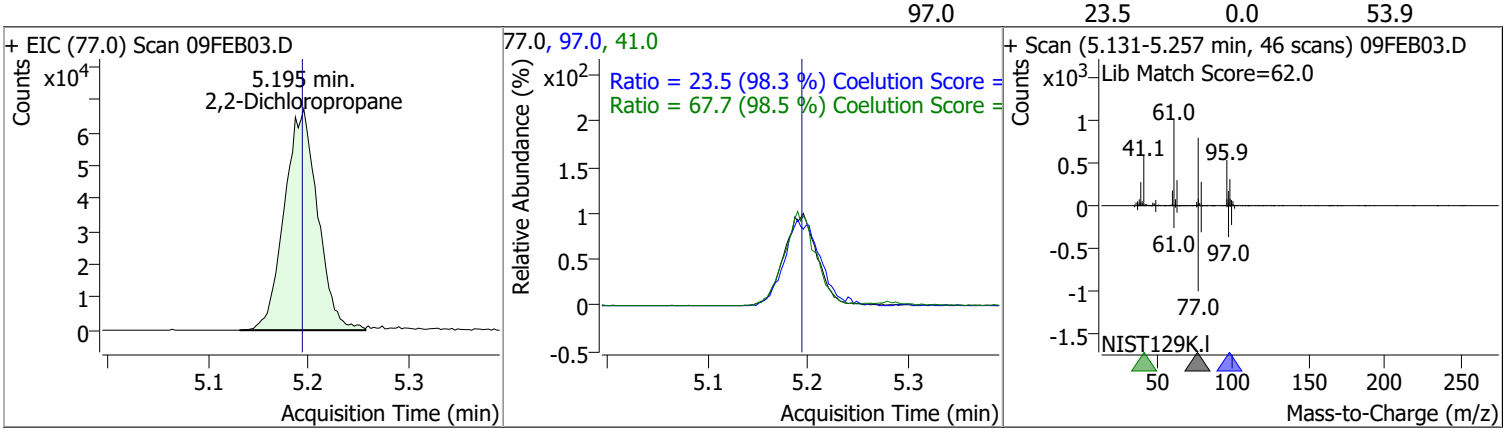
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	126.4789	4.38	0.01	200620	65.0	32.3	1.0	61.0
					83.0	13.4	0.0	42.7



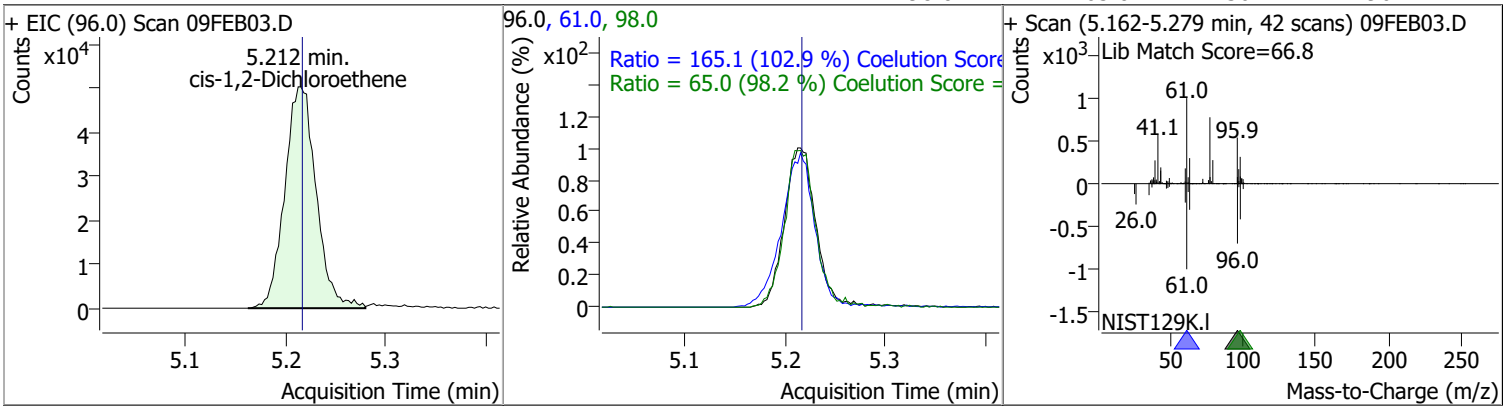




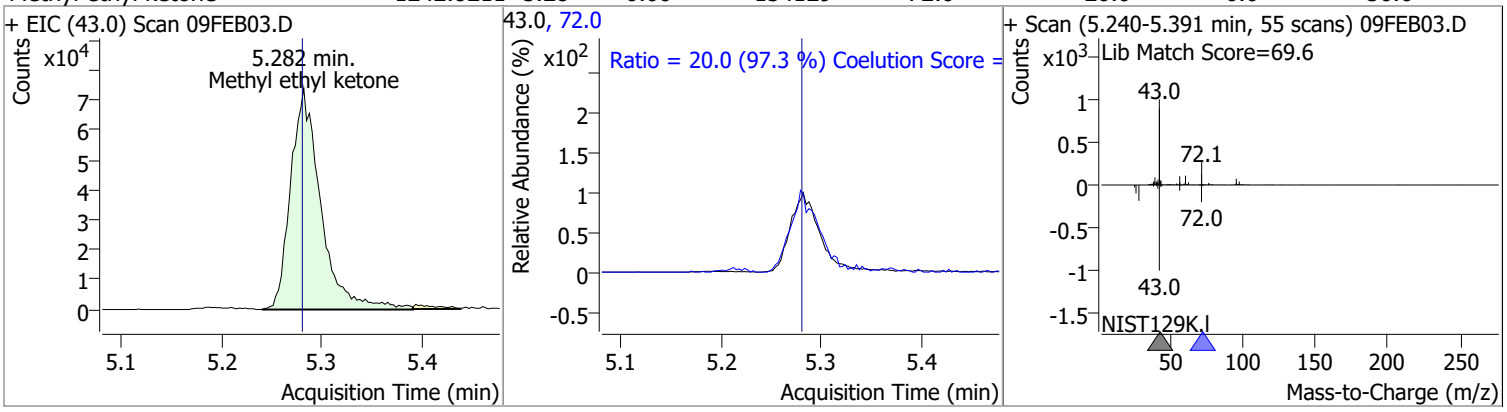
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	129.4733	5.20	0.00	154769	41.0	67.7	38.8	98.8
					97.0	23.5	0.0	53.9



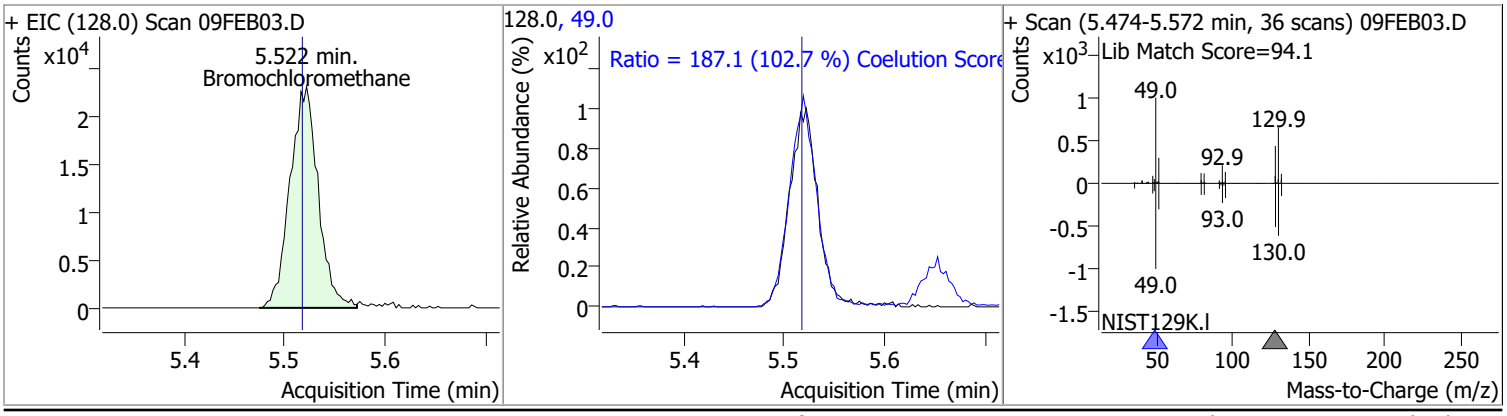
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	127.6163	5.21	0.00	109513	61.0	165.1	130.4	190.4
					98.0	65.0	36.2	96.2



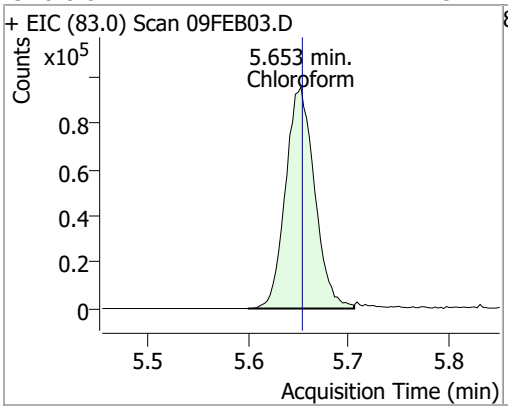
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	1242.8211	5.28	0.00	154129	72.0	20.0	0.0	50.6

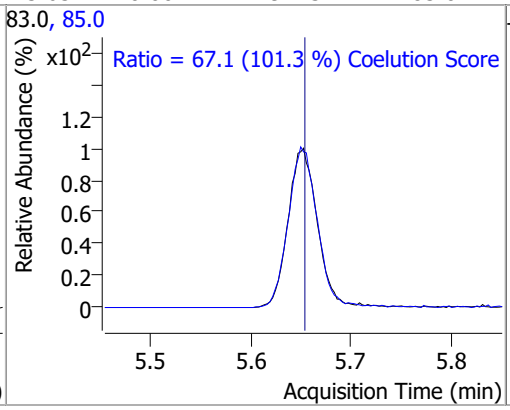


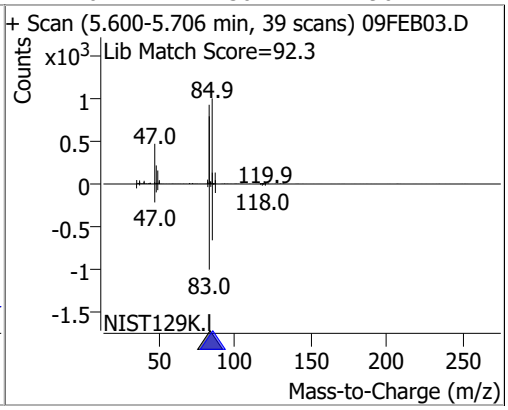
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	127.6523	5.52	0.01	45166	49.0	187.1	152.2	212.2



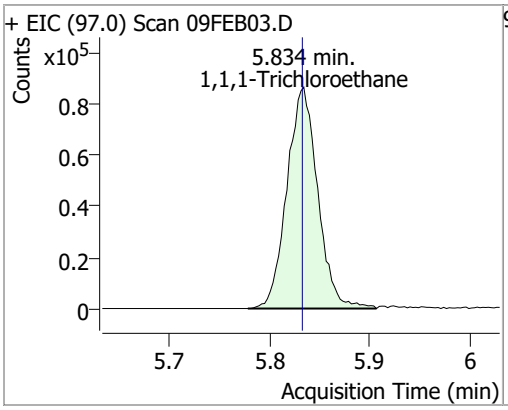
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	121.3772	5.65	0.00	192234	85.0	67.1	36.2	96.2

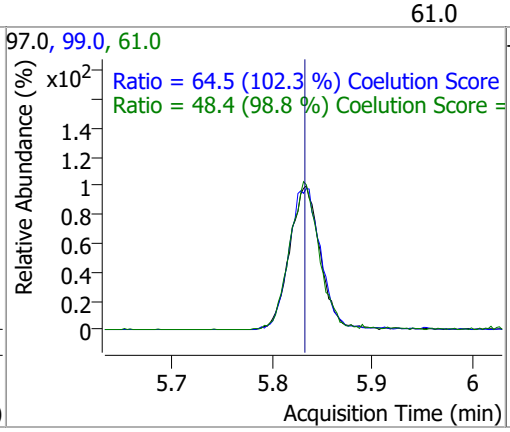


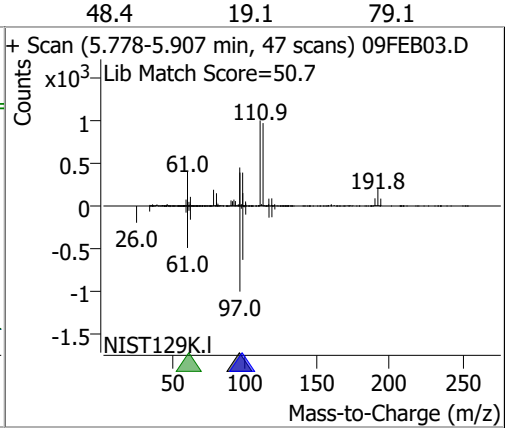




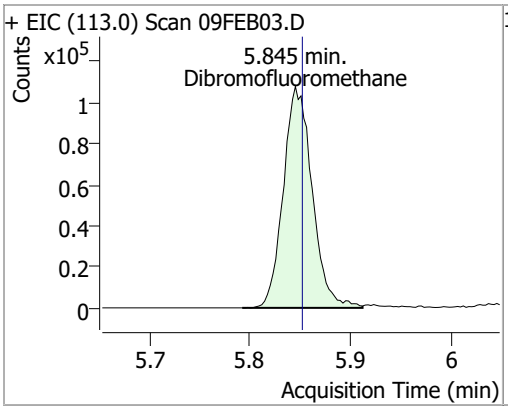
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	126.1440	5.83	0.00	184332	99.0	64.5	33.1	93.1
					61.0	48.4	19.1	79.1

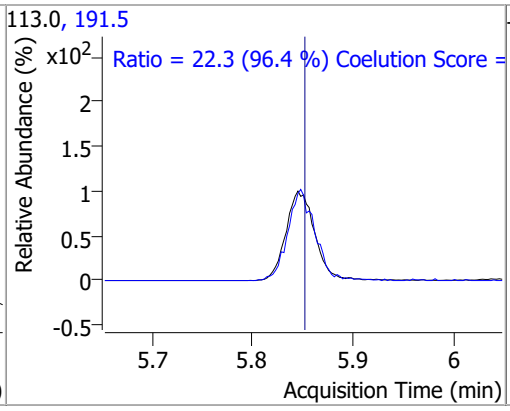


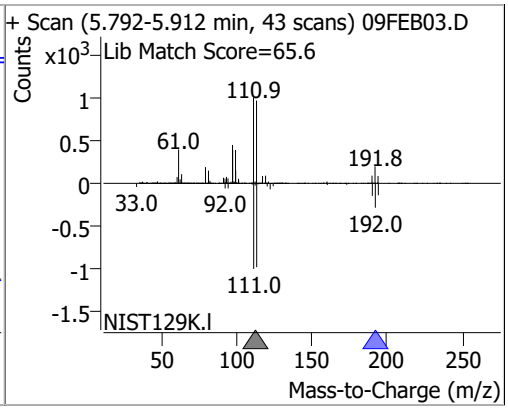




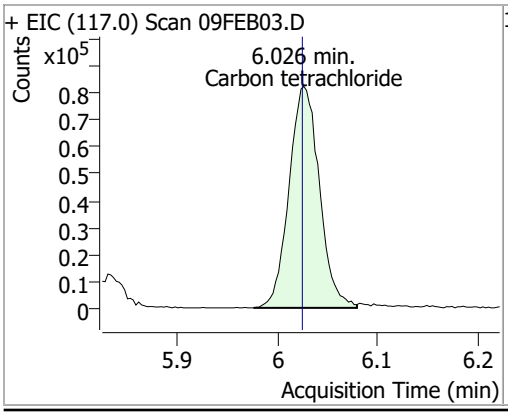
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	272.6556	5.85	-0.01	215498	191.5	22.3	0.0	53.2

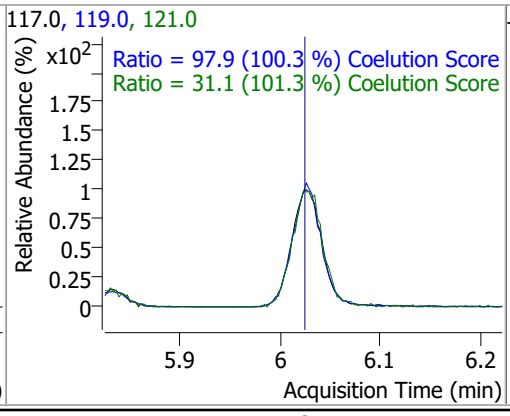


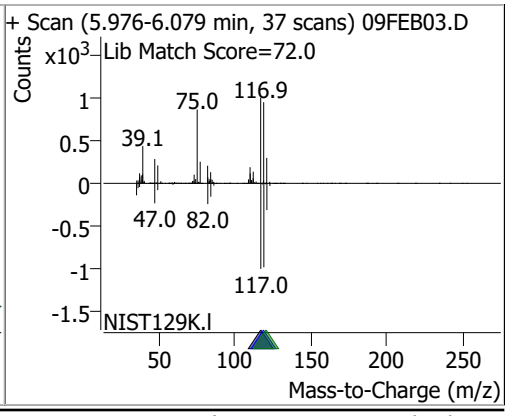




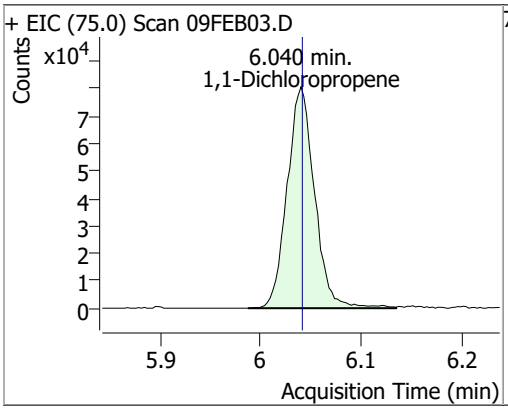
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	122.8542	6.03	0.00	174115	119.0	97.9	67.6	127.6
					121.0	31.1	0.7	60.7

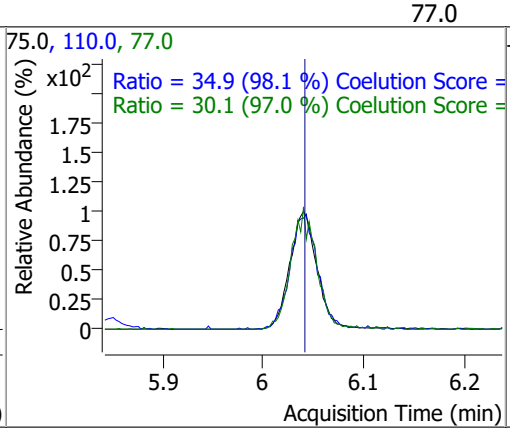


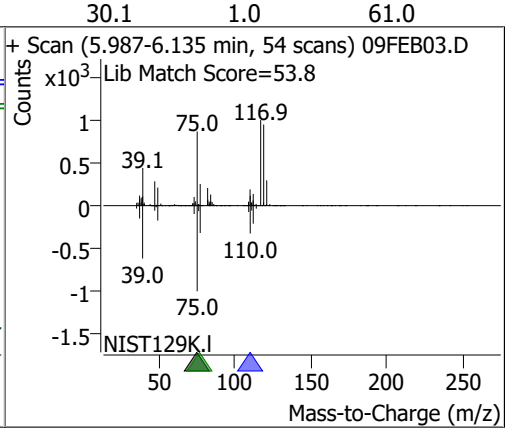




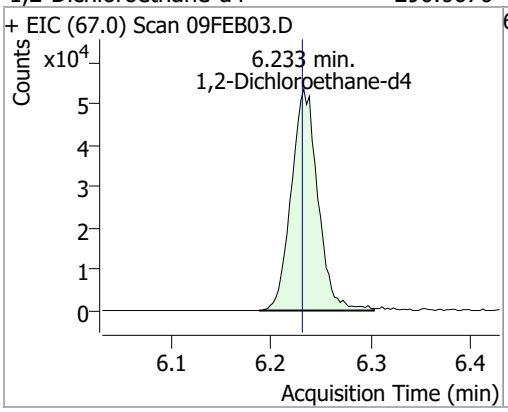
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	129.2831	6.04	0.00	153196	110.0	34.9	5.6	65.6
					77.0	30.1	1.0	61.0

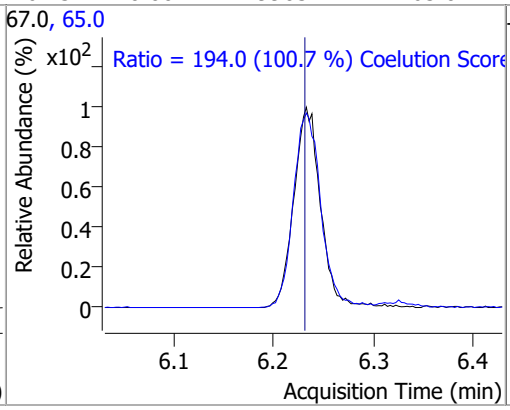


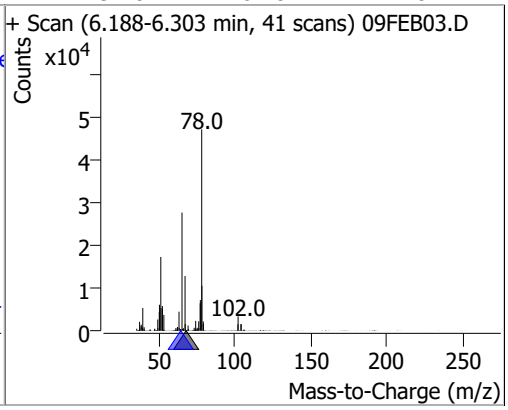




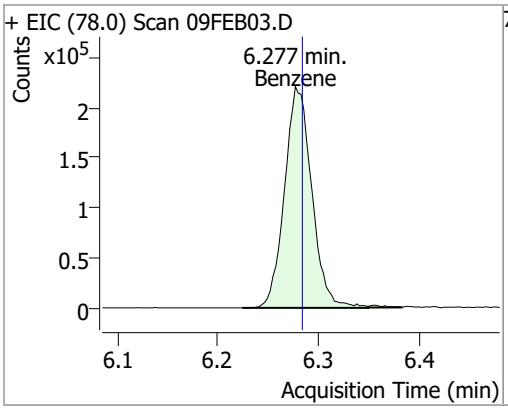
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	290.0670	6.23	0.00	99034	65.0	194.0	162.8	222.8

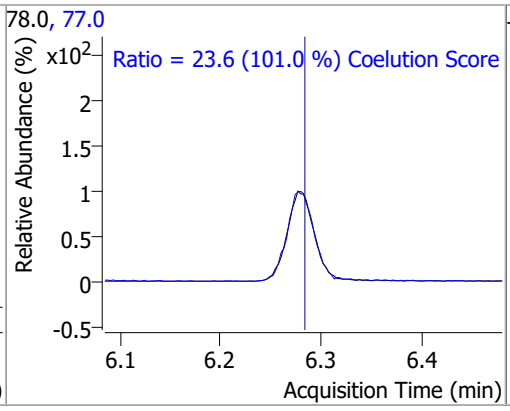


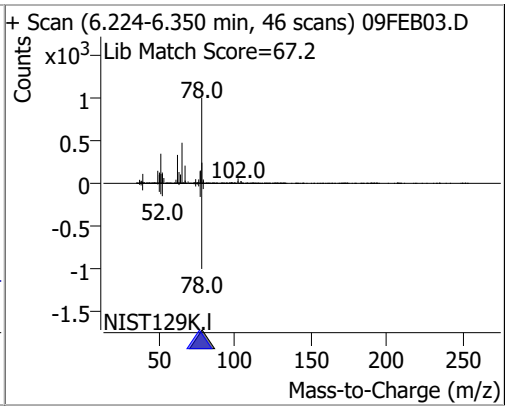




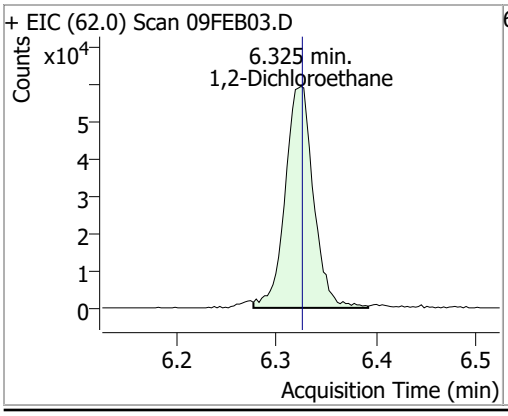
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	127.7453	6.28	-0.01	416424	77.0	23.6	0.0	53.3

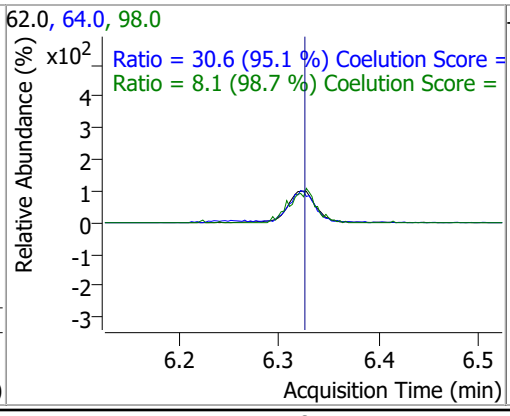


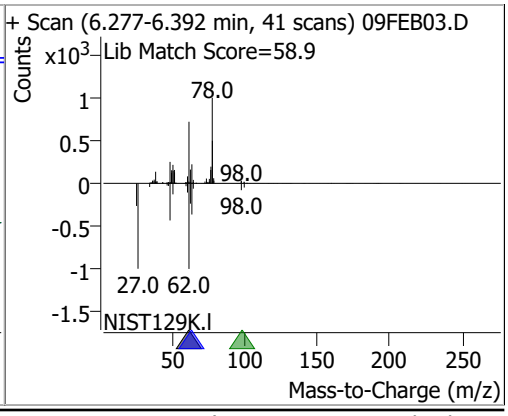




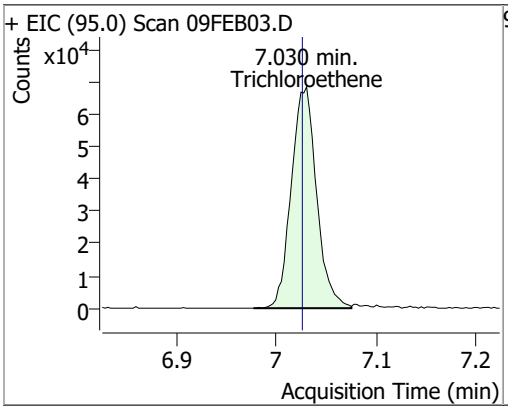
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	130.0069	6.32	0.00	117054	64.0	30.6	2.2	62.2
					98.0	8.1	0.0	38.2

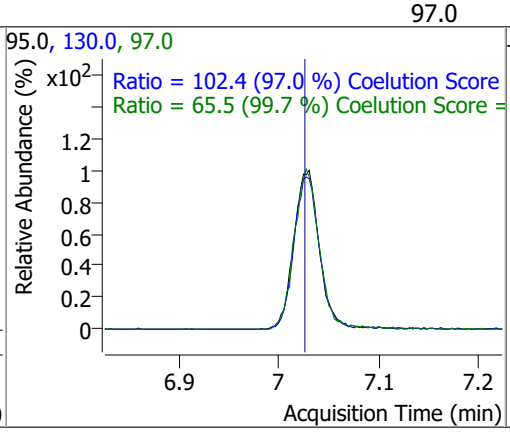


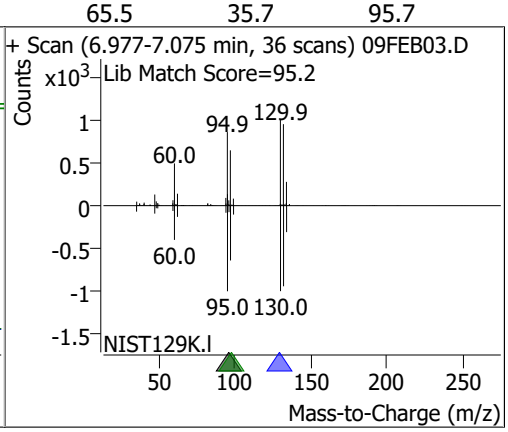




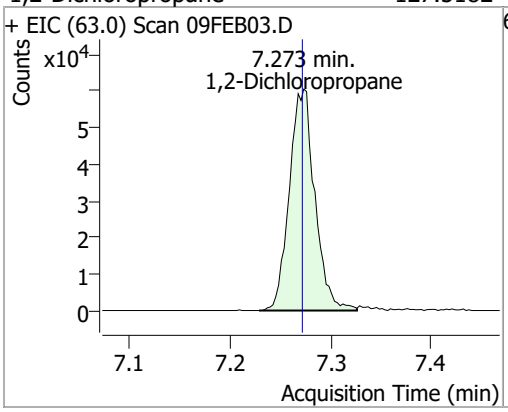
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	126.1007	7.03	0.01	120036	130.0	102.4	75.6	135.6
					97.0	65.5	35.7	95.7

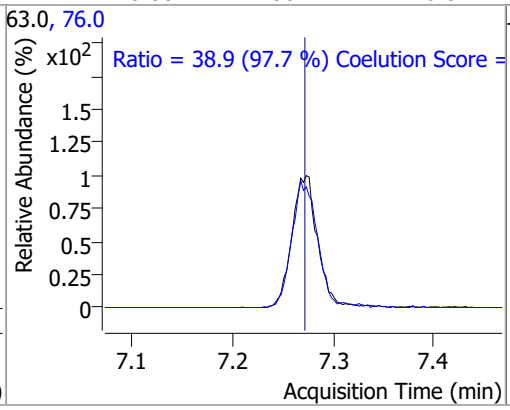


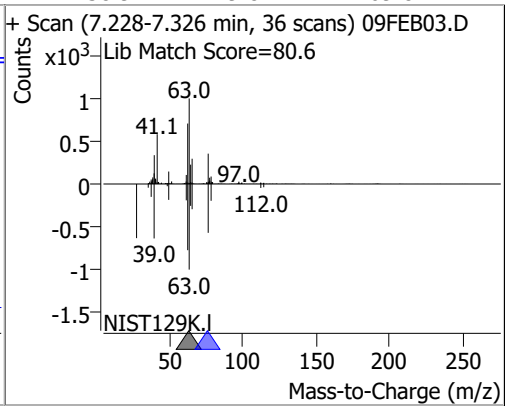




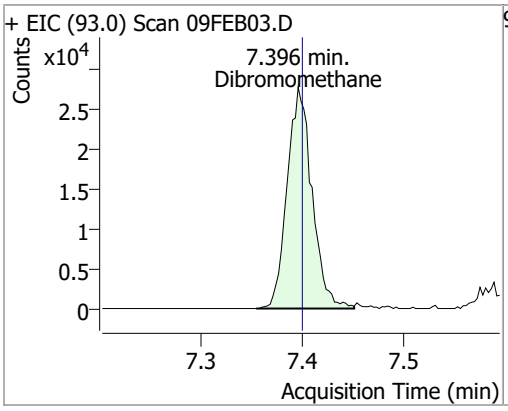
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	127.5182	7.27	0.00	106724	76.0	38.9	9.8	69.8

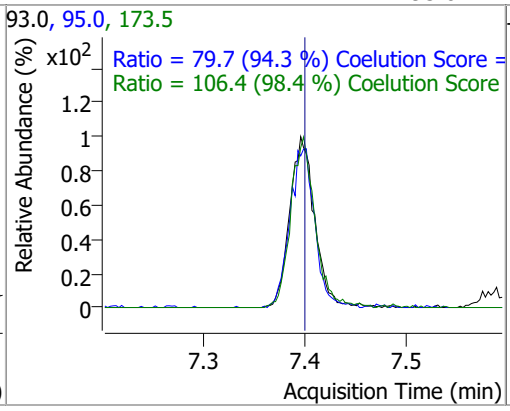


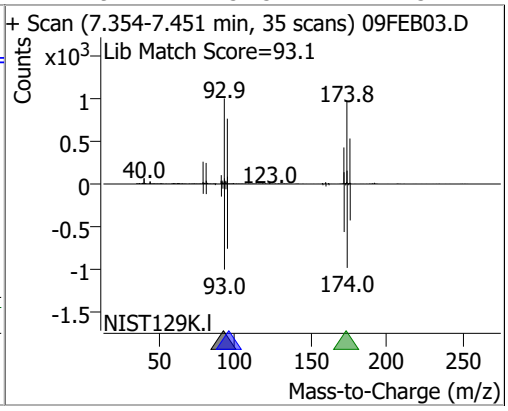




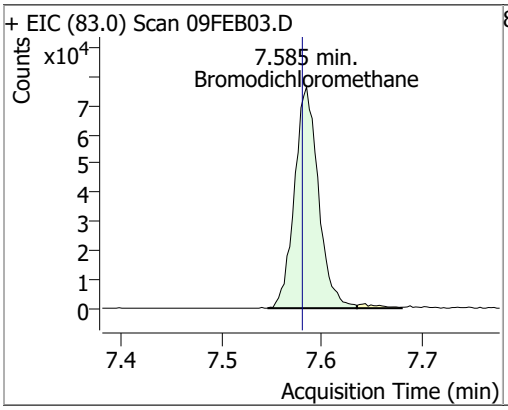
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	135.4934	7.40	0.00	47798	173.5	106.4	78.2	138.2
					95.0	79.7	54.5	114.5

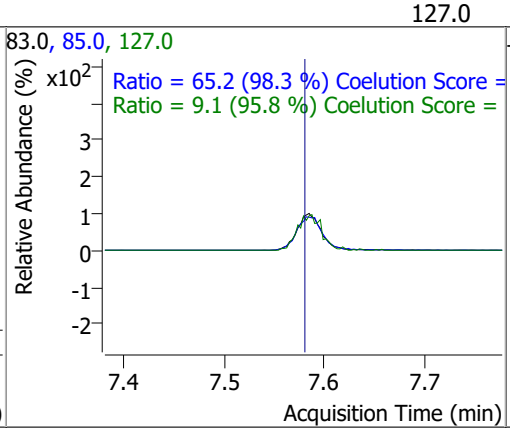


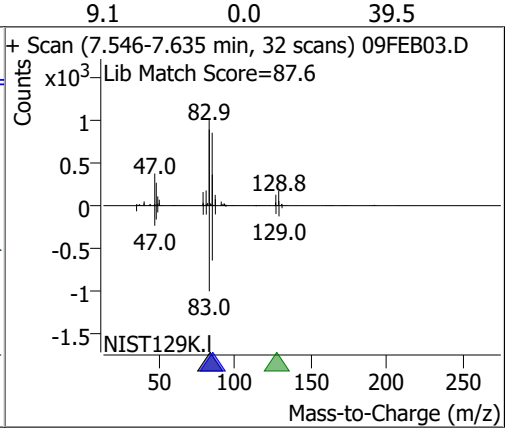




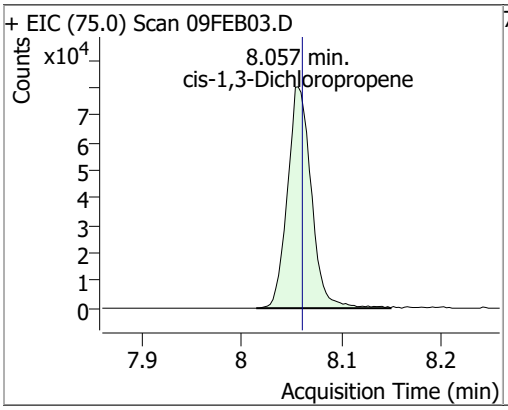
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	128.0190	7.59	0.01	126992	85.0	65.2	36.3	96.3
					127.0	9.1	0.0	39.5

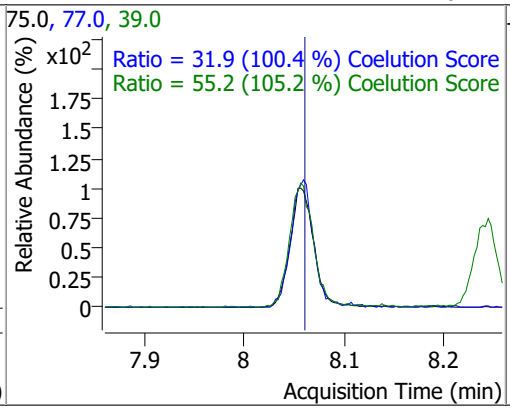


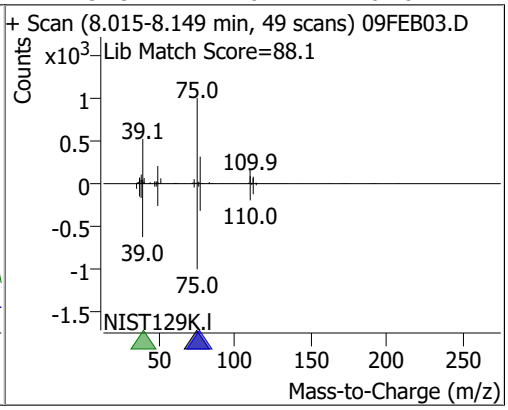




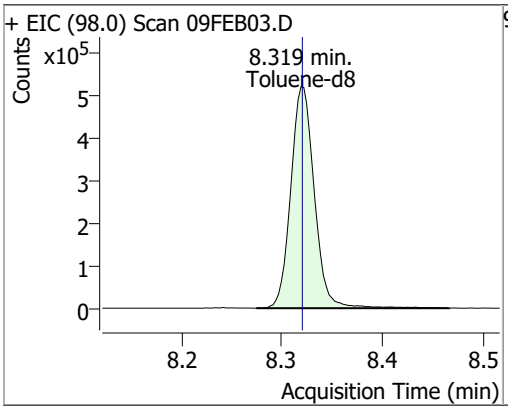
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	121.9124	8.06	0.00	132705	39.0	55.2	22.5	82.5
					77.0	31.9	1.8	61.8

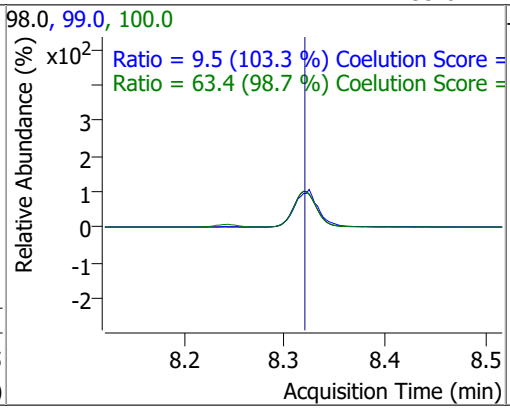


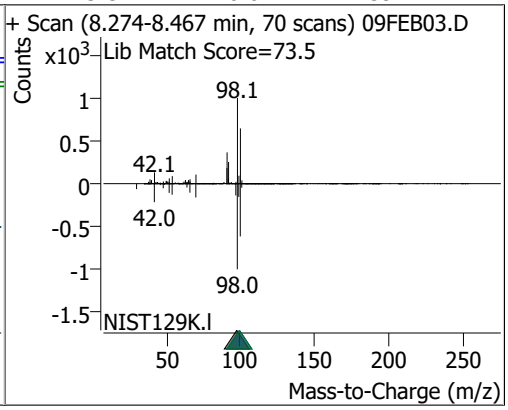




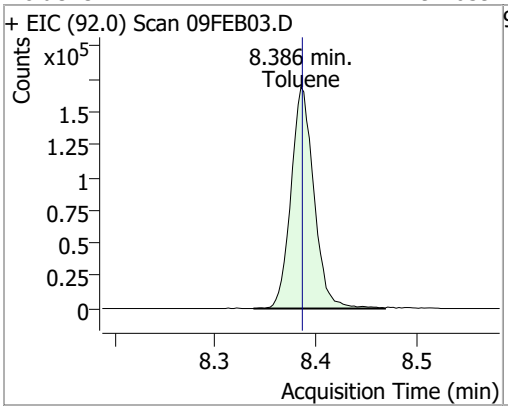
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	273.9490	8.32	0.00	849802	100.0	63.4	34.3	94.3
					99.0	9.5	0.0	39.2

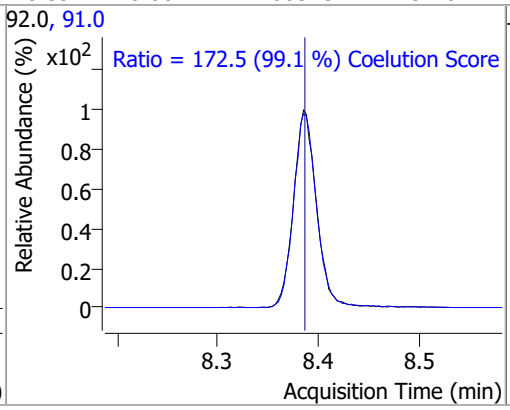


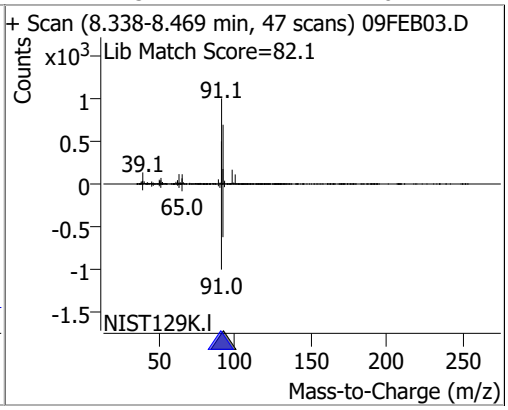




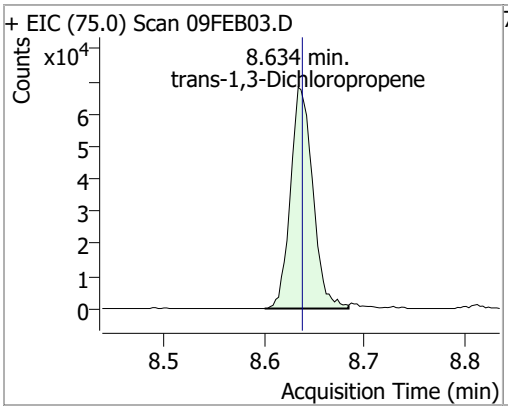
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	129.7639	8.39	0.00	268313	91.0	172.5	144.1	204.1

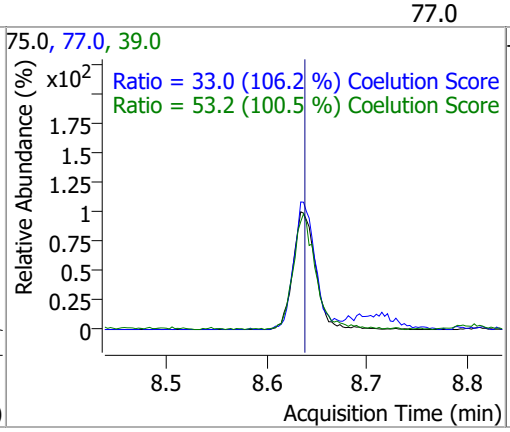


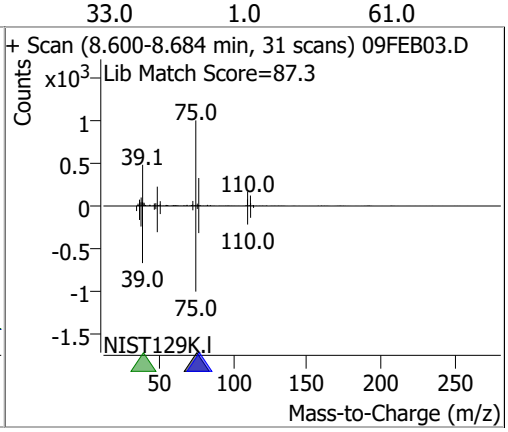




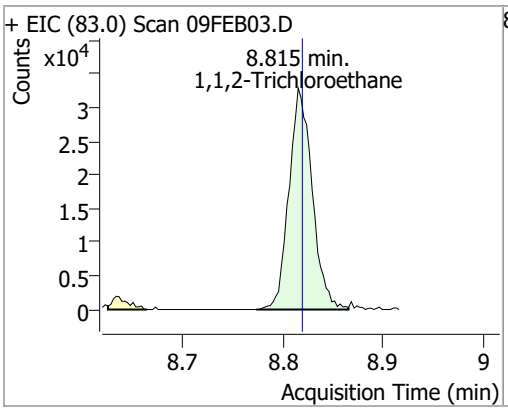
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	133.0202	8.63	0.00	105618	39.0	53.2	23.0	83.0
					77.0	33.0	1.0	61.0

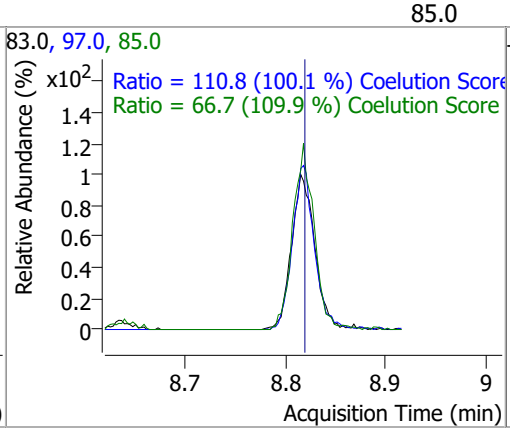


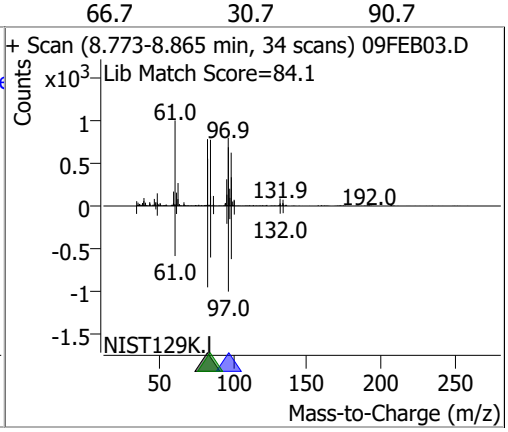




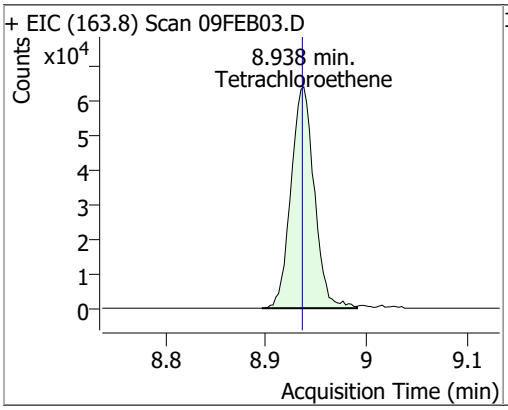
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	131.0904	8.82	0.00	52926	97.0	110.8	80.7	140.7
					85.0	66.7	30.7	90.7

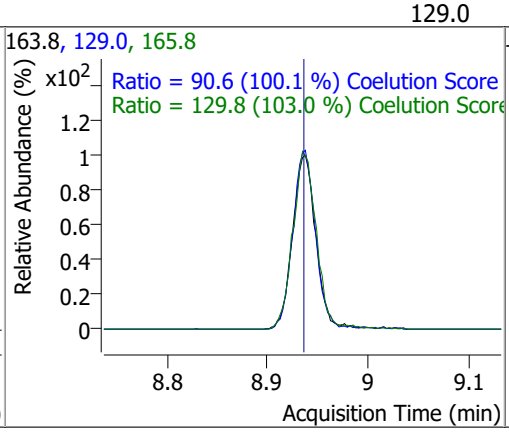


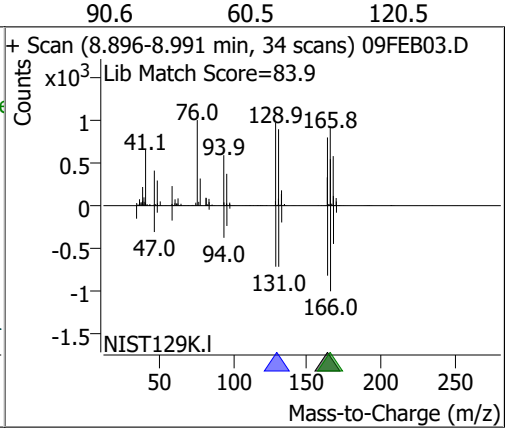




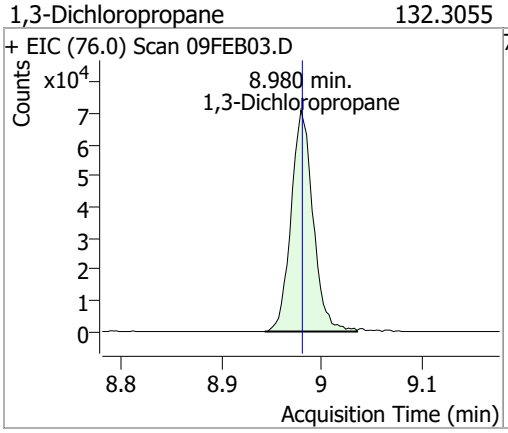
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	122.9284	8.94	0.00	103071	165.8	129.8	96.1	156.1
					129.0	90.6	60.5	120.5

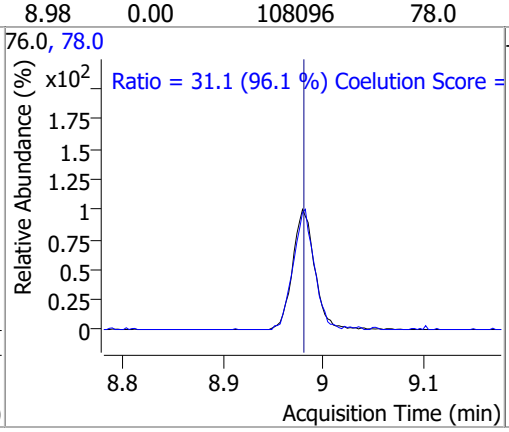


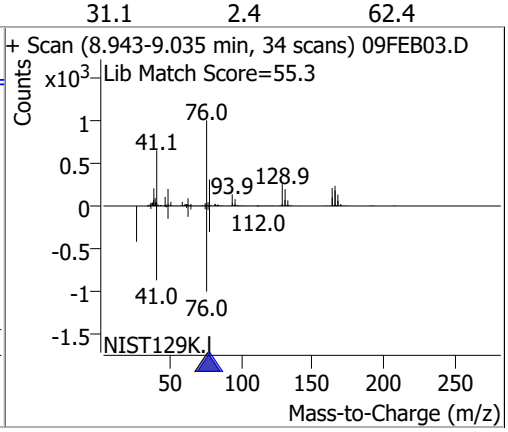




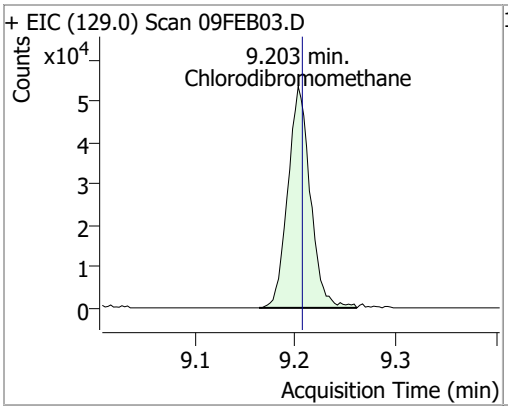
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	132.3055	8.98	0.00	108096	78.0	31.1	2.4	62.4

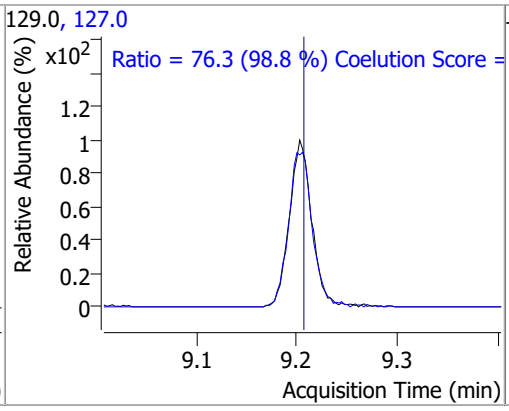


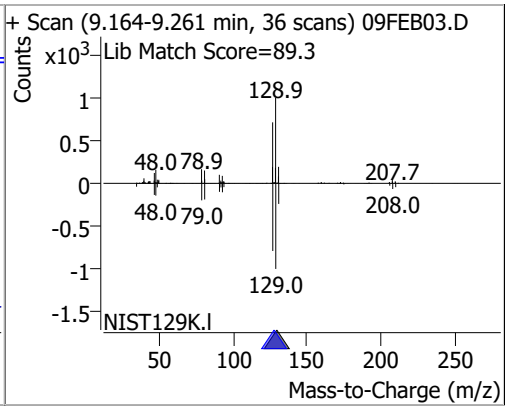




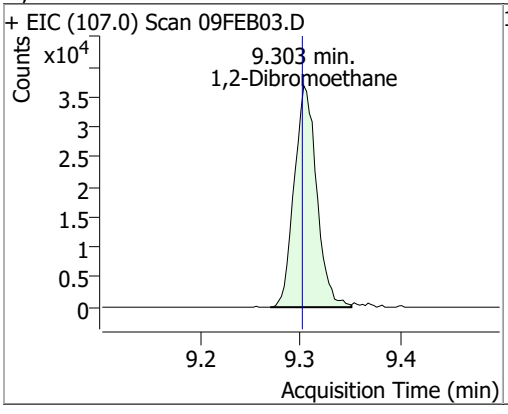
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	128.0497	9.20	0.00	83261	127.0	76.3	47.2	107.2

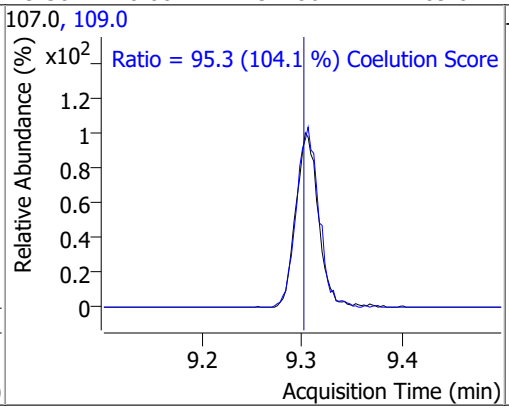


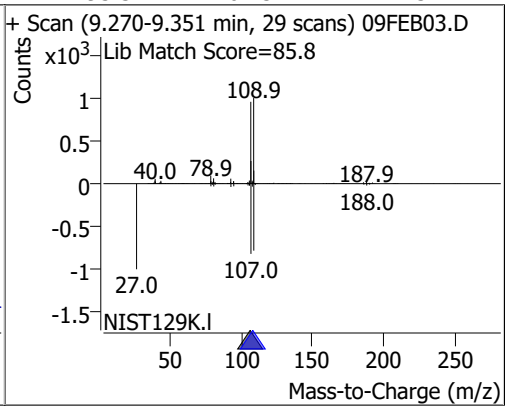




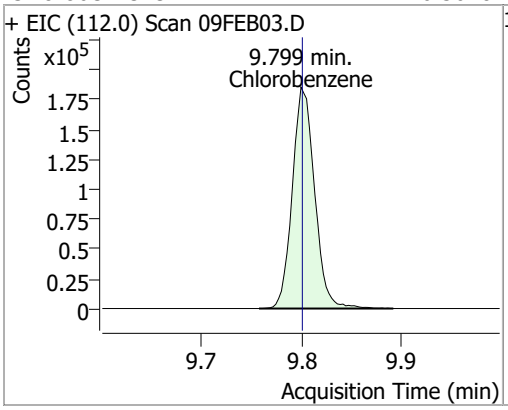
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	128.9184	9.30	0.00	57486	109.0	95.3	61.5	121.5

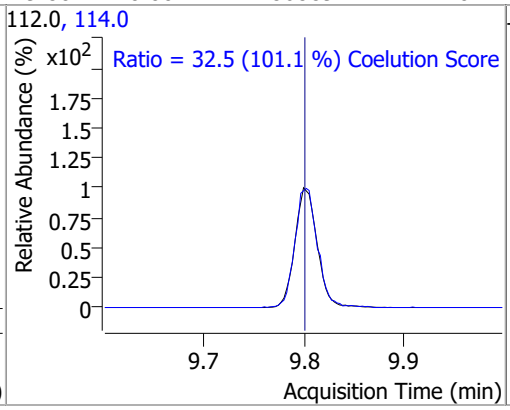


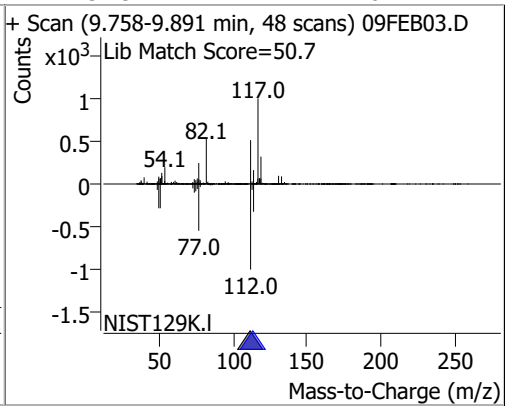




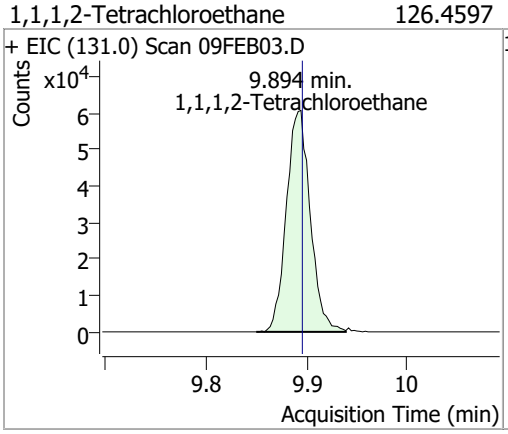
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	126.5670	9.80	0.00	286889	114.0	32.5	2.2	62.2

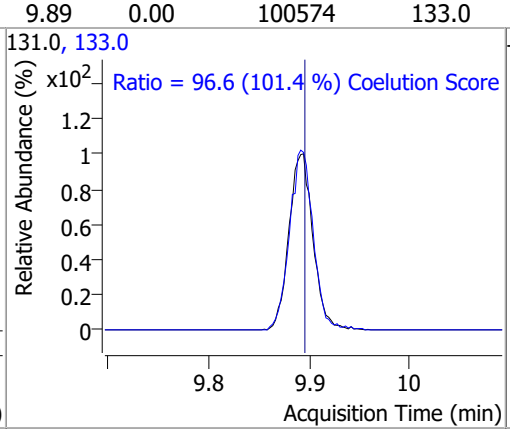


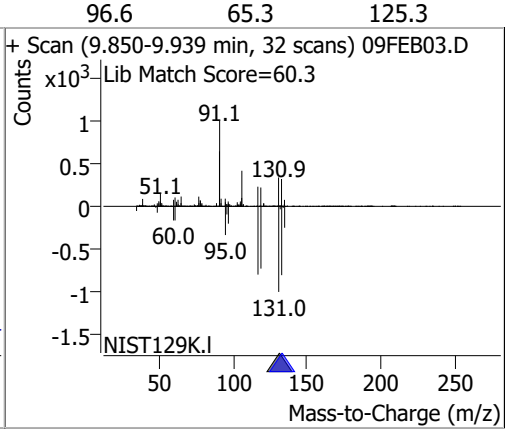




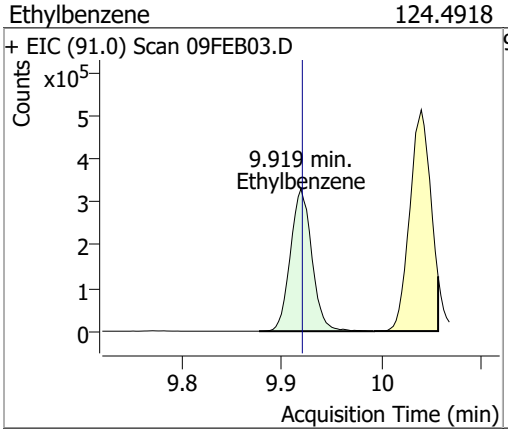
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	126.4597	9.89	0.00	100574	133.0	96.6	65.3	125.3

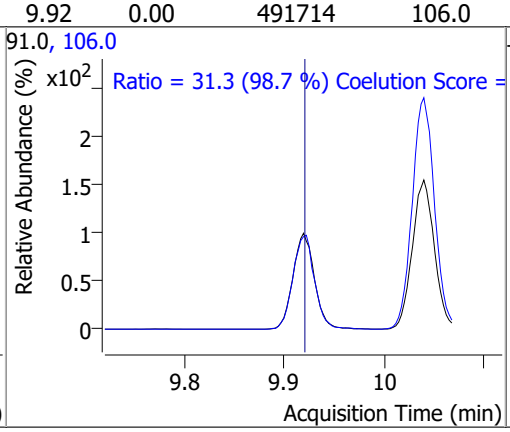


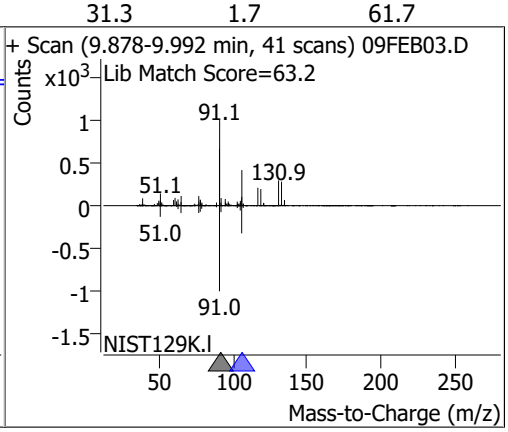




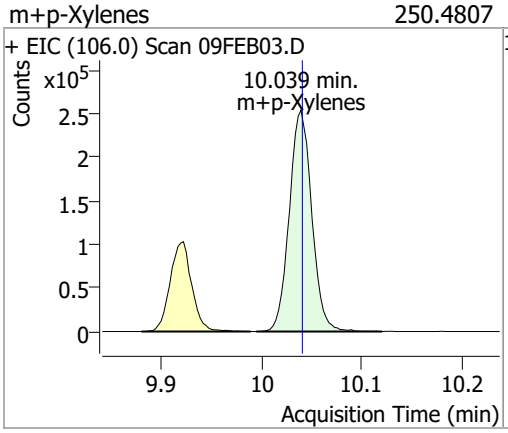
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	124.4918	9.92	0.00	491714	106.0	31.3	1.7	61.7

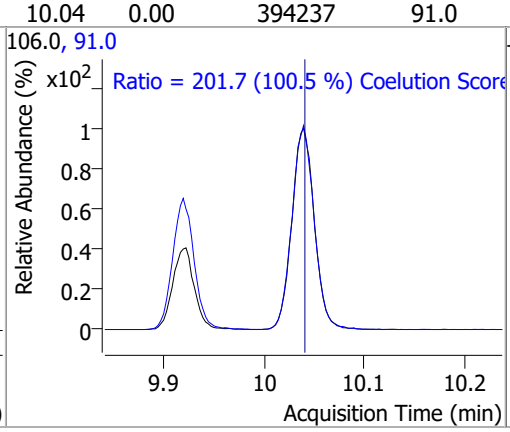


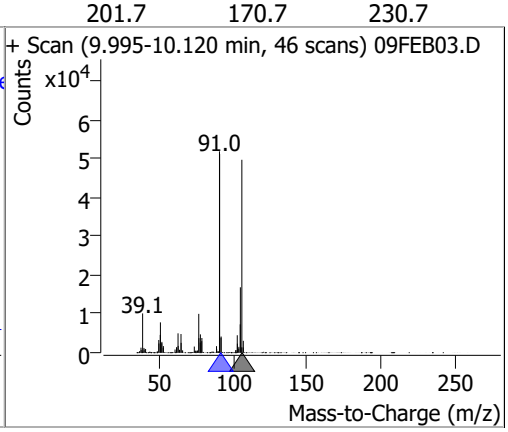




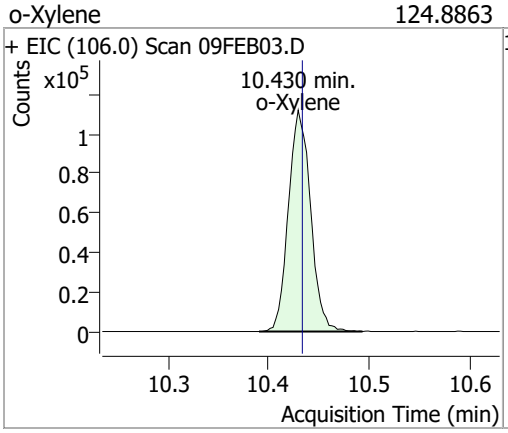
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	250.4807	10.04	0.00	394237	91.0	201.7	170.7	230.7

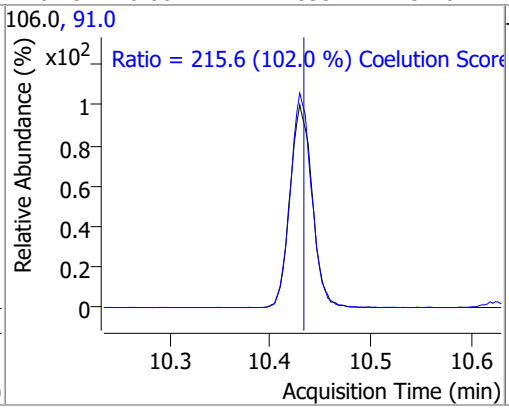


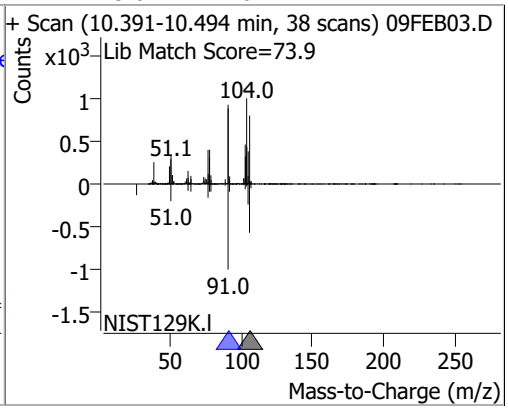




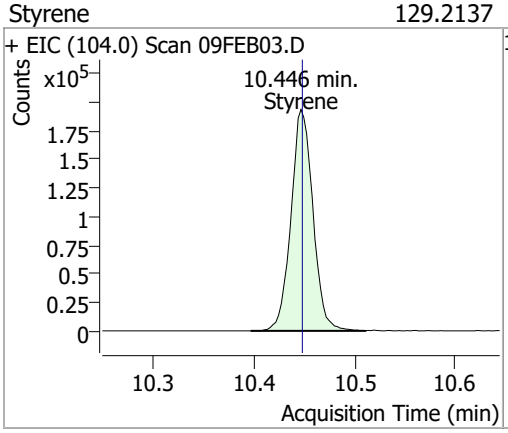
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	124.8863	10.43	0.00	171899	91.0	215.6	181.4	241.4

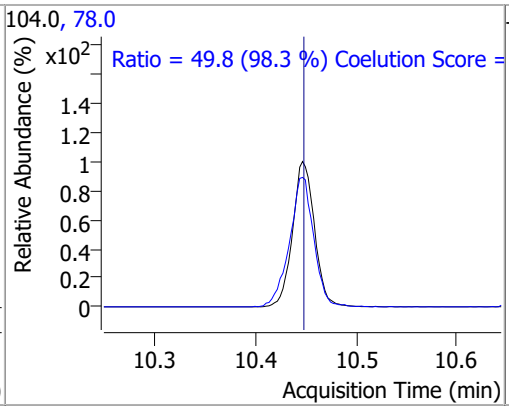


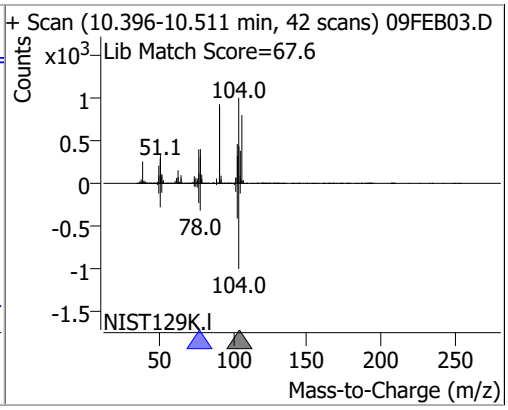




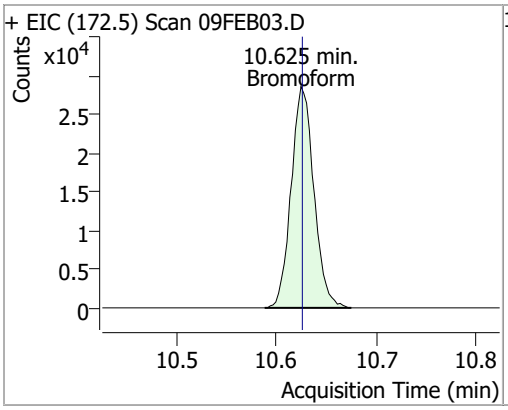
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	129.2137	10.45	0.00	294499	78.0	49.8	20.6	80.6

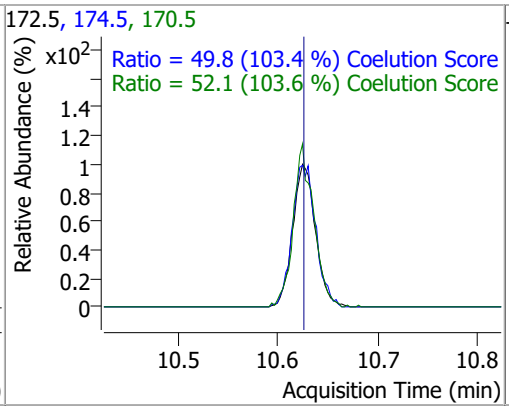


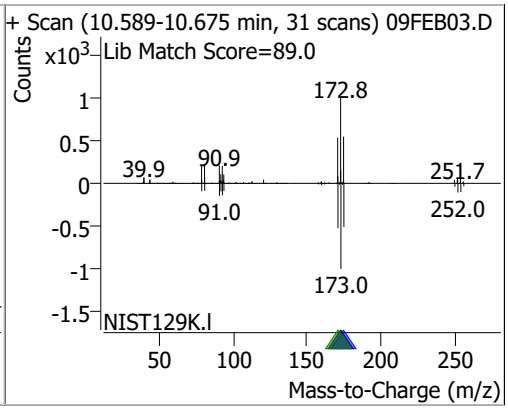




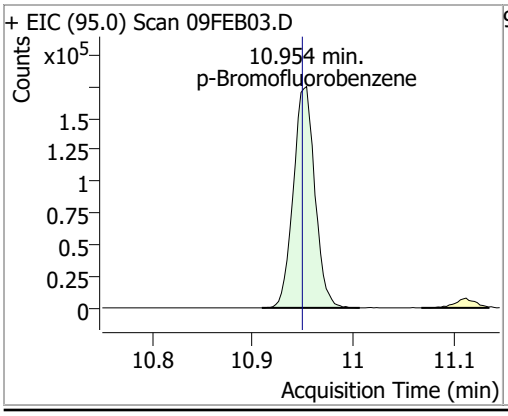
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	122.0869	10.62	0.00	45061	170.5	52.1	20.3	80.3
					174.5	49.8	18.1	78.1

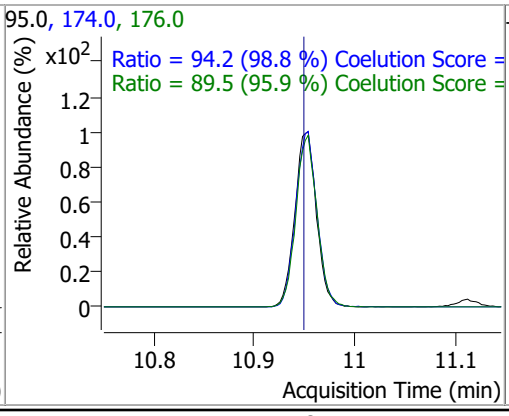


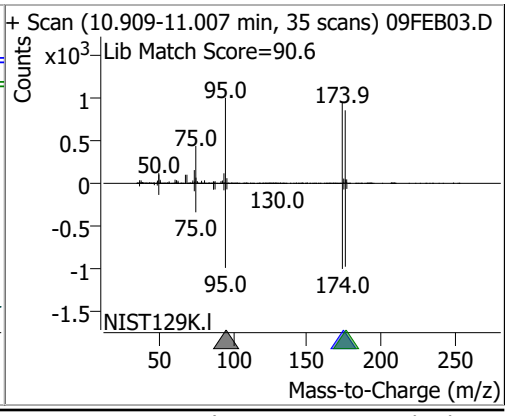




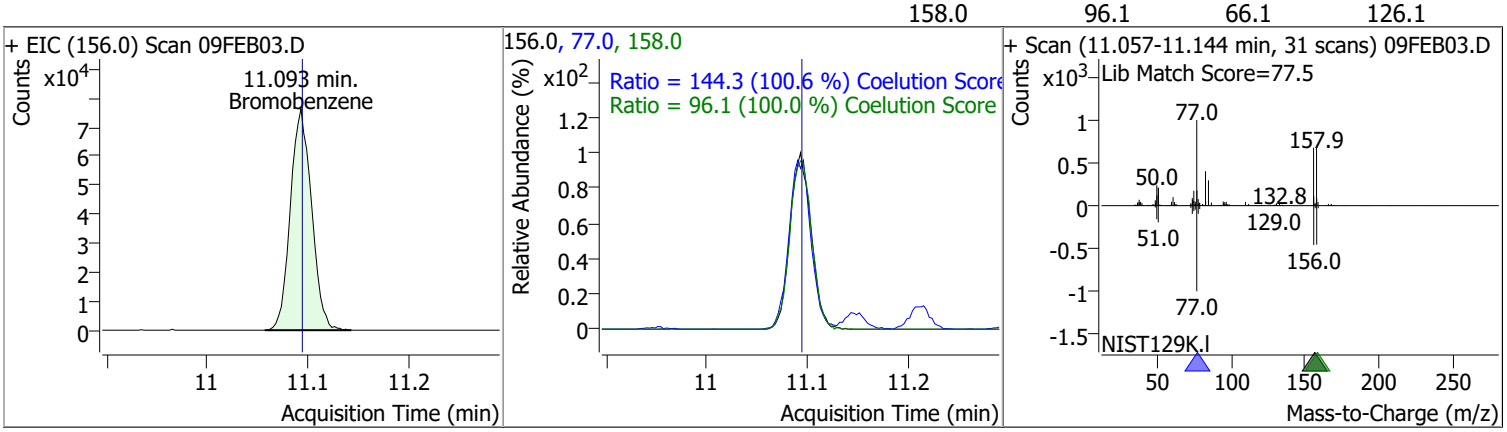
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	256.9824	10.95	0.01	261351	174.0	94.2	65.3	125.3
					176.0	89.5	63.3	123.3



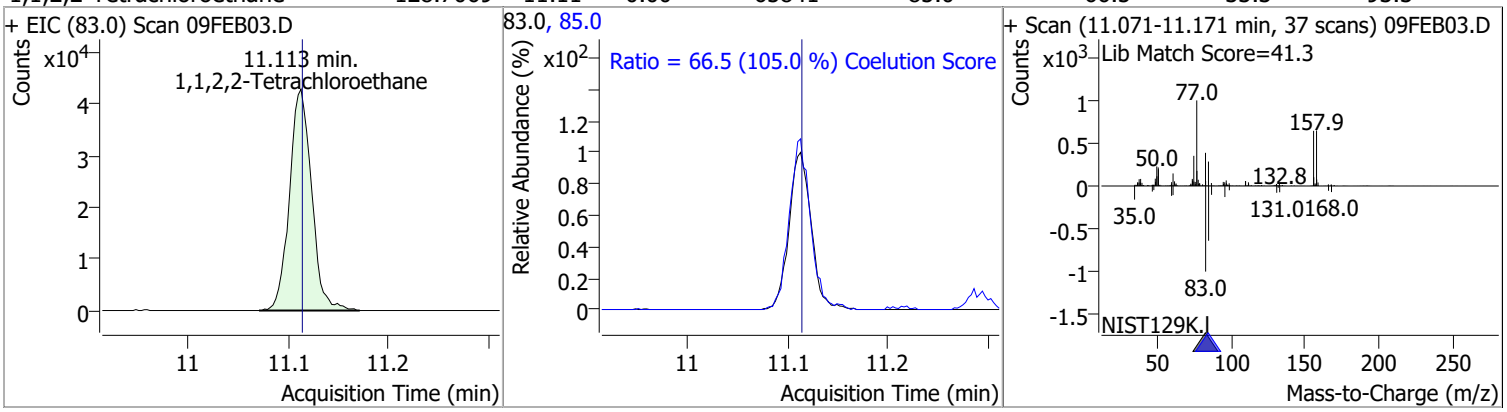




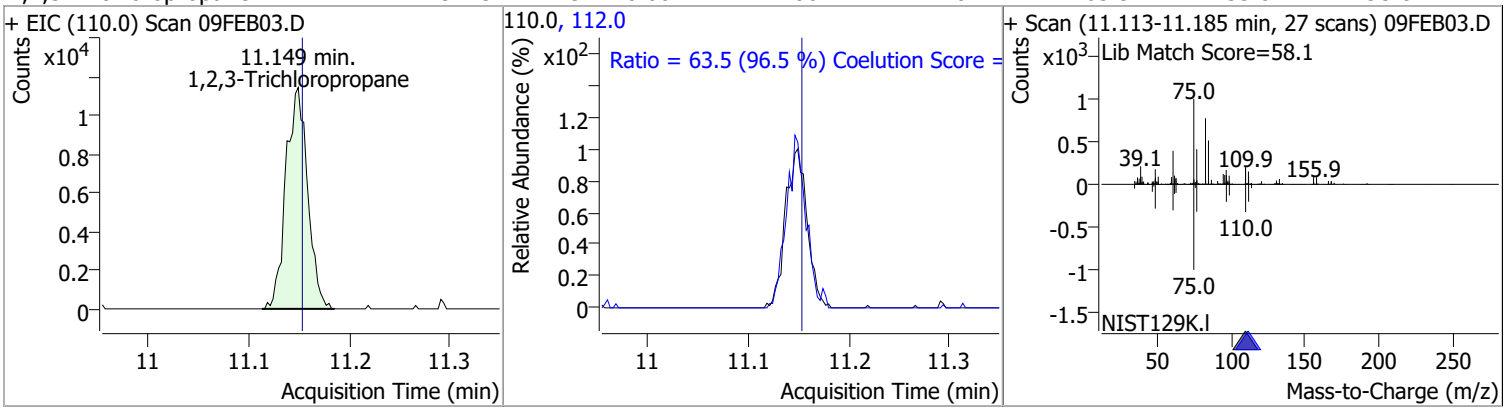
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	124.6911	11.09	0.00	111830	77.0	144.3	113.5	173.5
					158.0	96.1	66.1	126.1



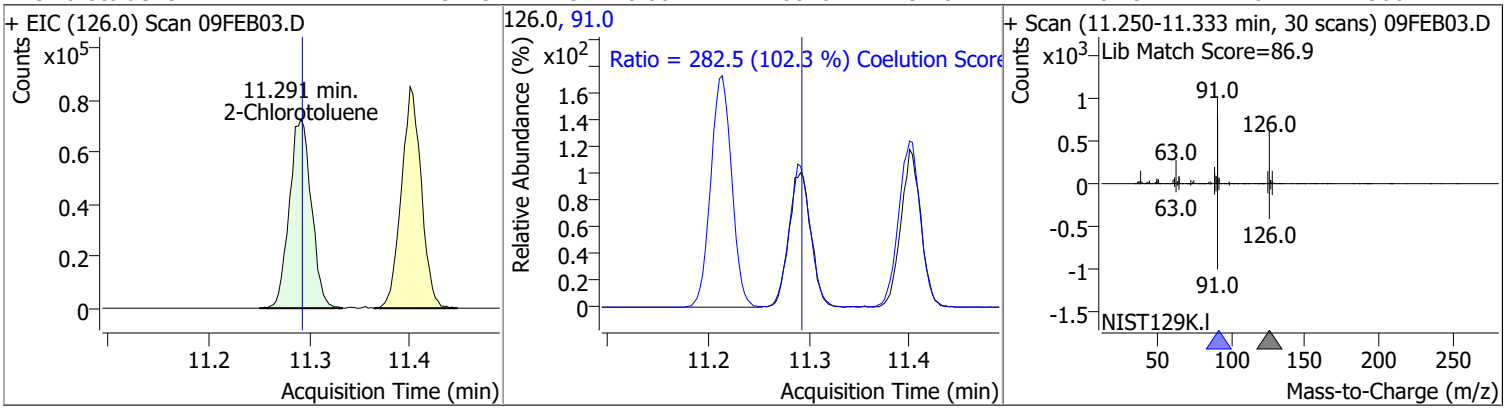
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	128.7069	11.11	0.00	65841	85.0	66.5	33.3	93.3



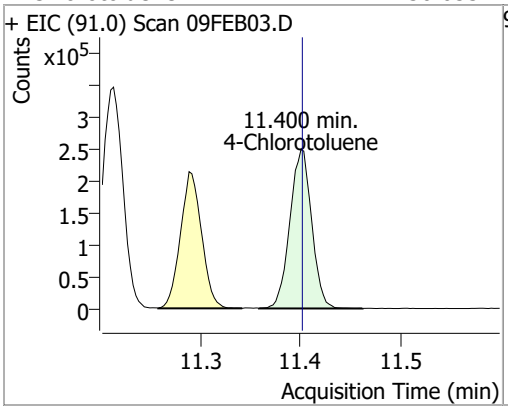
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	127.9725	11.15	0.00	17200	112.0	63.5	35.8	95.8

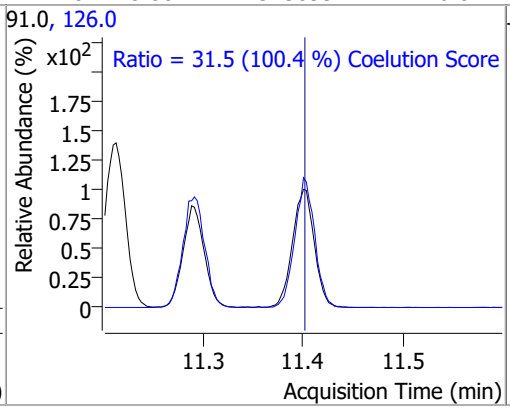


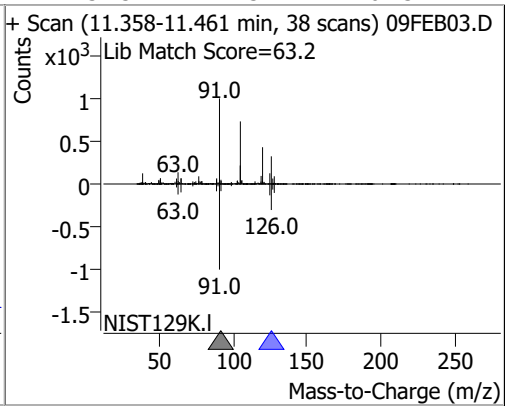
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	124.9145	11.29	0.00	110878	91.0	282.5	246.2	306.2



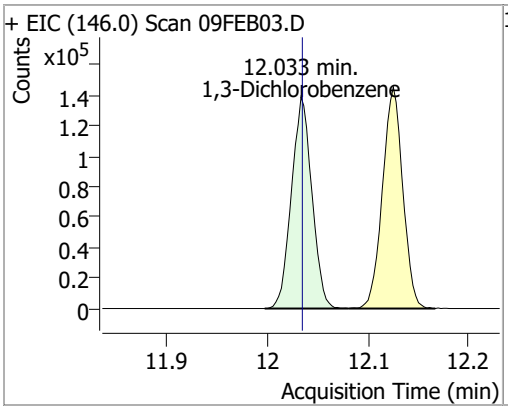
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	130.0537	11.40	0.00	373899	126.0	31.5	1.3	61.3

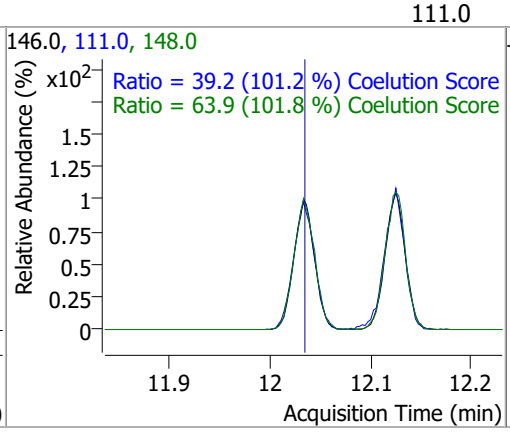


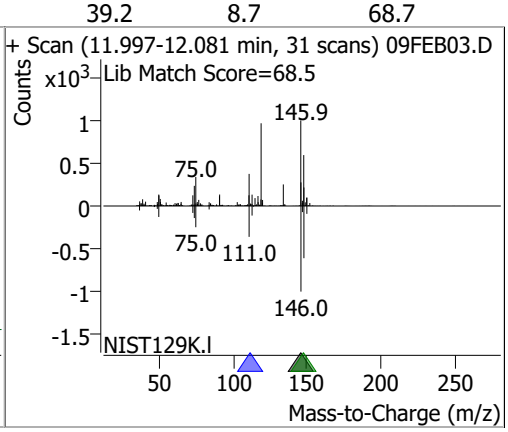




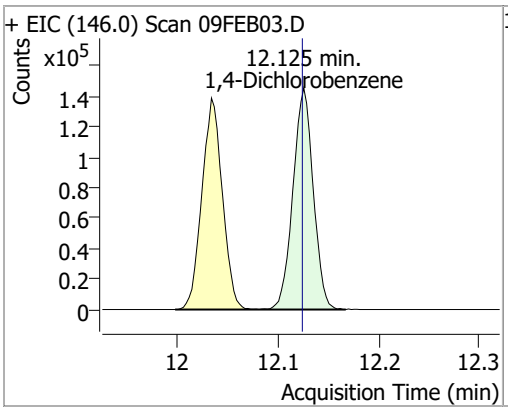
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	121.1917	12.03	0.00	196928	148.0	63.9	32.8	92.8
					111.0	39.2	8.7	68.7

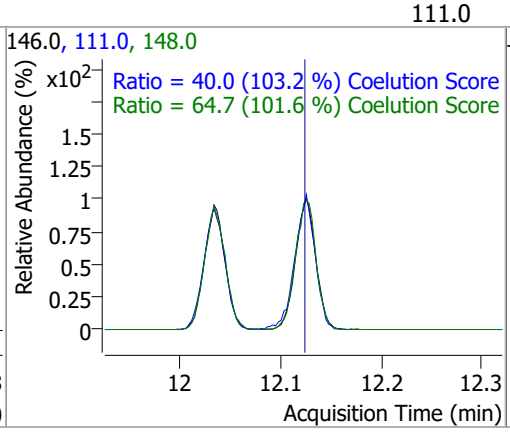


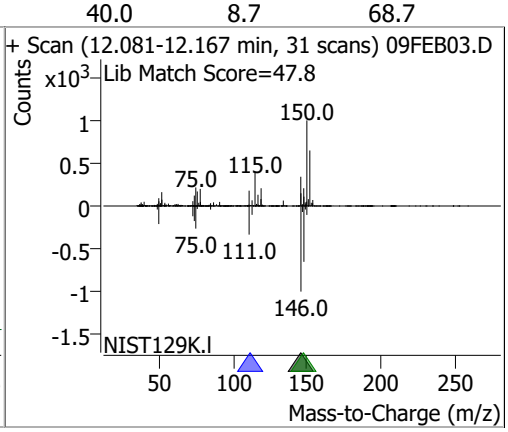




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	123.2486	12.13	0.00	204172	148.0	64.7	33.7	93.7
					111.0	40.0	8.7	68.7

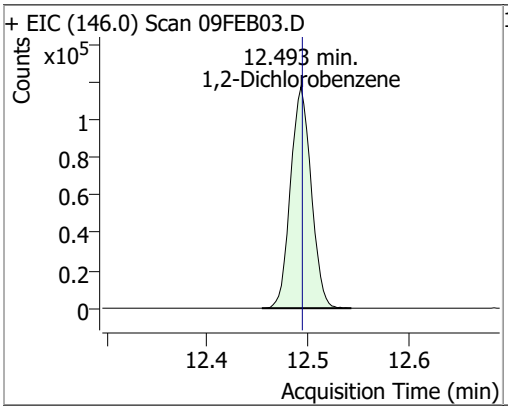


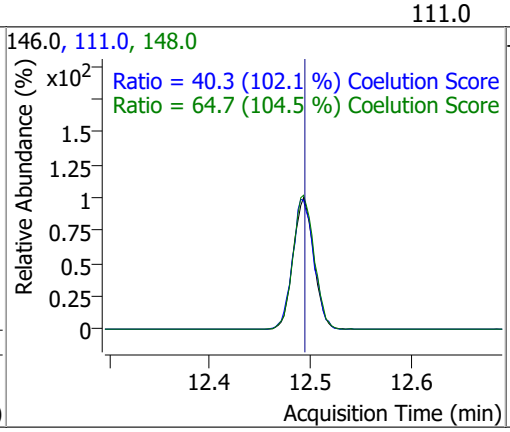


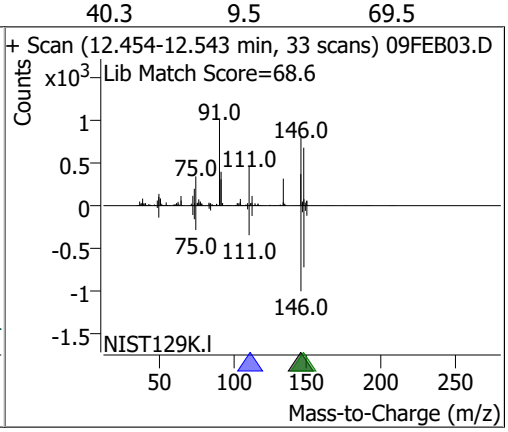


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	123.8950	12.49	0.00	168079	148.0	64.7	31.9	91.9
					111.0	40.3	9.5	69.5







Quantitation Results Report (QT Reviewed)

Data File	09FEB04.D	Operator	MSC
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Vial	4	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
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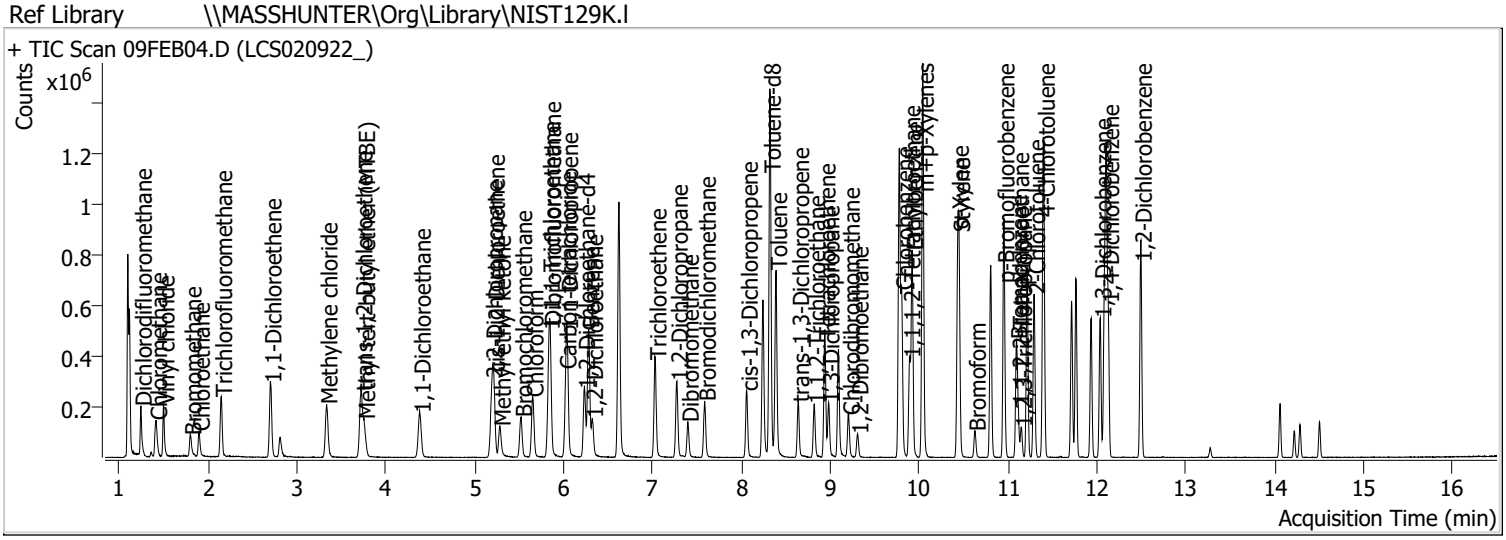
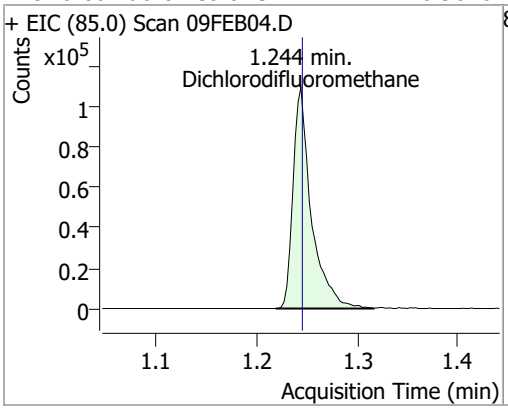


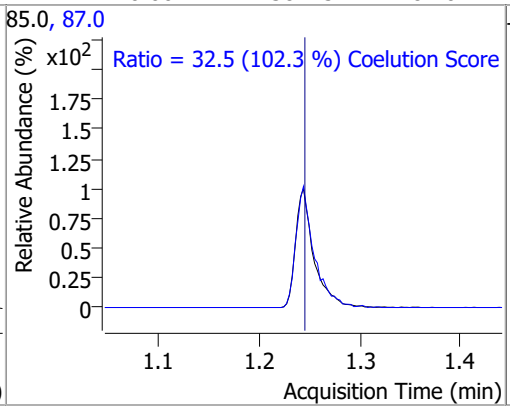
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M Fluorobenzene	6.620	96.0	851193	250.0000	ng	0.000
M Chlorobenzene-d5	9.774	82.0	328185	250.0000	ng	0.000
M 1,4-Dichlorobenzene-d4	12.103	152.0	282597	250.0000	ng	0.003
System Monitoring Compounds						
S Dibromofluoromethane	5.848	113.0	219695	266.4745	ng	-0.003
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 106.59%		
S 1,2-Dichloroethane-d4	6.230	67.0	98499	276.5731	ng	0.000
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 110.63%		
S Toluene-d8	8.319	98.0	877820	274.1679	ng	0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 109.67%		
S p-Bromofluorobenzene	10.948	95.0	266256	255.1778	ng	0.000
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 102.07%		
Target Compounds						QValue
T Dichlorodifluoromethane	1.244	85.0	138445	120.9616	ng	99
T Chloromethane	1.414	50.0	161774	120.0556	ng	98
T Vinyl chloride	1.498	62.0	150063	122.3470	ng	99
T Bromomethane	1.802	96.0	48140	92.1347	ng	96
T Chloroethane	1.894	64.0	69774	120.2392	ng	100
T Trichlorofluoromethane	2.147	101.0	169755	115.4178	ng	99
T 1,1-Dichloroethene	2.702	96.0	105290	123.0310	ng	98
T Methylene chloride	3.333	49.0	152308	122.4082	ng	100
T trans-1,2-Dichloroethene	3.723	96.0	108500	122.7255	ng	96
T Methyl tert-butyl ether (MTBE)	3.754	73.0	141009	127.6102	ng	99
T 1,1-Dichloroethane	4.381	63.0	210444	127.1875	ng	99
T 2,2-Dichloropropane	5.193	77.0	160856	129.0024	ng	98
T cis-1,2-Dichloroethene	5.212	96.0	110818	123.7984	ng	96
T Methyl ethyl ketone	5.282	43.0	162478	1255.9810	ng	98
T Bromochloromethane	5.522	128.0	44829	121.4620	ng	98
T Chloroform	5.650	83.0	192887	116.7546	ng	99

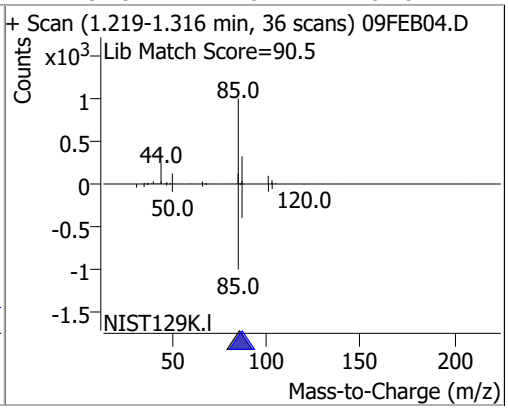
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	5.834	97.0	192181	126.0784	ng	98
T Carbon tetrachloride	6.021	117.0	177739	120.2267	ng	99
T 1,1-Dichloropropene	6.038	75.0	150674	121.8981	ng	99
T Benzene	6.280	78.0	426800	125.5157	ng	100
T 1,2-Dichloroethane	6.319	62.0	113057	120.3765	ng	99
T Trichloroethene	7.030	95.0	120192	122.3322	ng	99
T 1,2-Dichloropropane	7.273	63.0	106388	123.1578	ng	97
T Dibromomethane	7.396	93.0	45023	123.6523	ng	100
T Bromodichloromethane	7.585	83.0	126895	123.9372	ng	98
T cis-1,3-Dichloropropene	8.059	75.0	132873	118.2650	ng	99
T Toluene	8.388	92.0	273069	127.9510	ng	100
T trans-1,3-Dichloropropene	8.637	75.0	105422	128.6383	ng	98
T 1,1,2-Trichloroethane	8.818	83.0	51076	122.5682	ng	94
T Tetrachloroethene	8.932	163.8	106831	123.4447	ng	98
T 1,3-Dichloropropane	8.980	76.0	103123	122.2878	ng	97
T Chlorodibromomethane	9.205	129.0	83155	123.9037	ng	99
T 1,2-Dibromoethane	9.306	107.0	57418	124.7556	ng	98
T Chlorobenzene	9.802	112.0	295407	126.2661	ng	99
T 1,1,1,2-Tetrachloroethane	9.889	131.0	99080	120.7012	ng	97
T Ethylbenzene	9.919	91.0	499682	122.6400	ng	99
T m+p-Xylenes	10.039	106.0	394740	243.2281	ng	99
T o-Xylene	10.432	106.0	175534	123.6101	ng	96
T Styrene	10.446	104.0	293858	125.0669	ng	100
T Bromoform	10.625	172.5	48079	126.9661	ng	97
T Bromobenzene	11.093	156.0	115578	125.6078	ng	99
T 1,1,2,2-Tetrachloroethane	11.113	83.0	66066	125.8774	ng	100
T 1,2,3-Trichloropropane	11.144	110.0	16953	122.9416	ng	93
T 2-Chlorotoluene	11.291	126.0	112746	123.8035	ng	94
T 4-Chlorotoluene	11.400	91.0	378676	128.3808	ng	99
T 1,3-Dichlorobenzene	12.036	146.0	210195	126.0817	ng	99
T 1,4-Dichlorobenzene	12.125	146.0	210157	123.6499	ng	99
T 1,2-Dichlorobenzene	12.493	146.0	173501	124.6540	ng	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

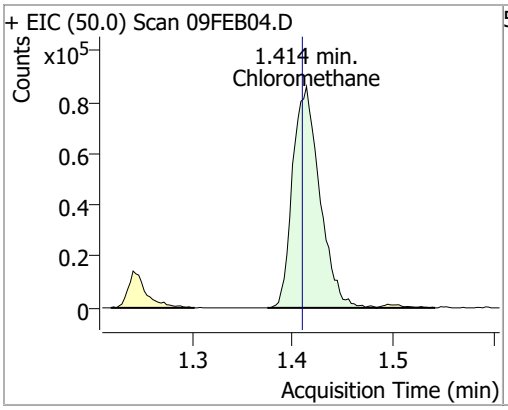
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	120.9616	1.24	0.00	138445	87.0	32.5	1.8	61.8

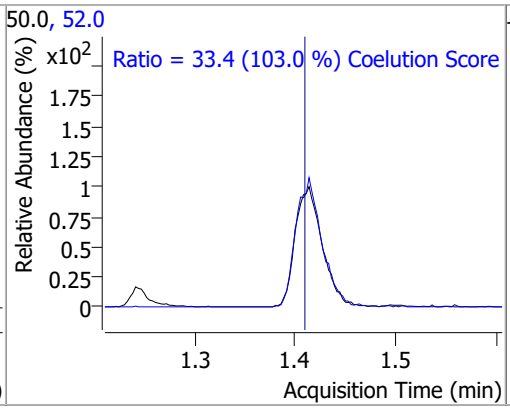


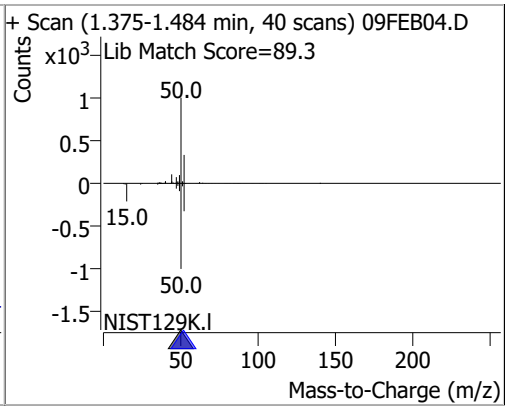




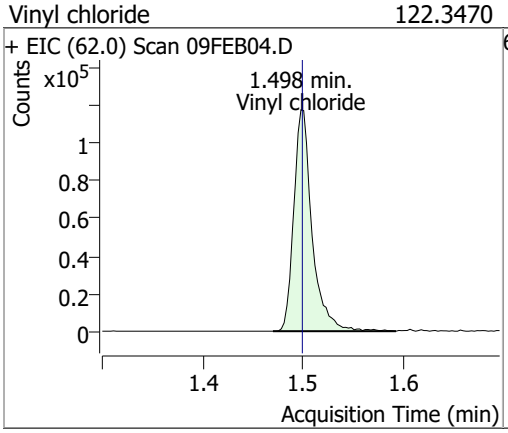
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	120.0556	1.41	0.01	161774	52.0	33.4	2.4	62.4

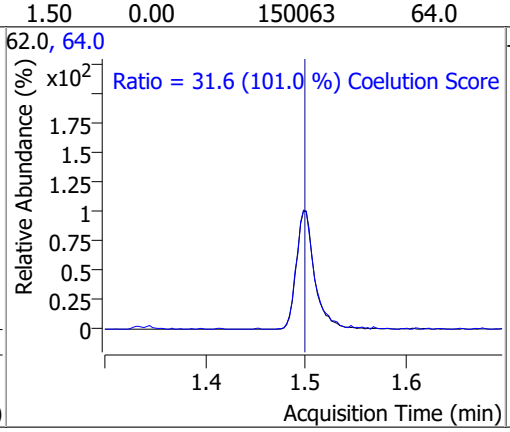


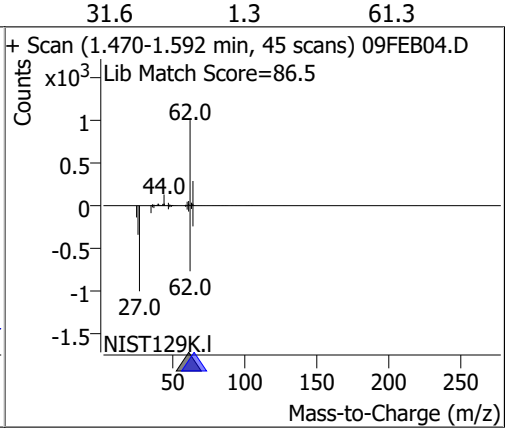




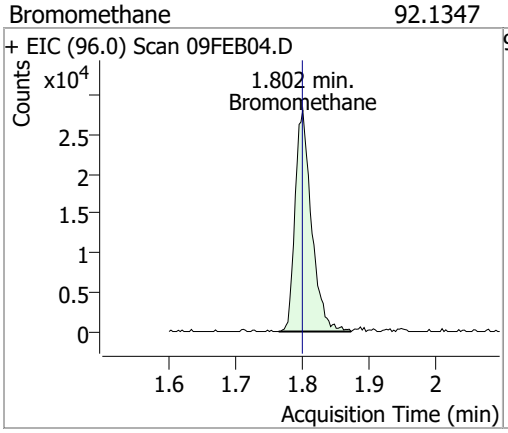
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	122.3470	1.50	0.00	150063	64.0	31.6	1.3	61.3

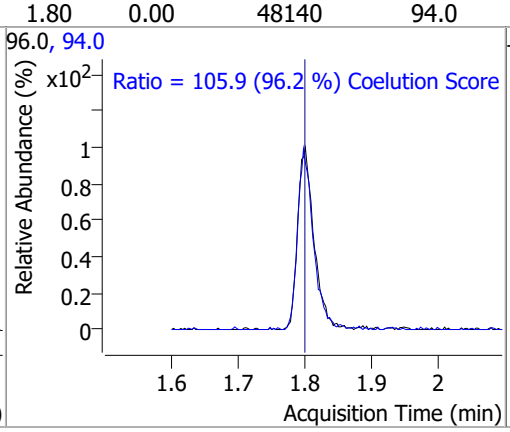


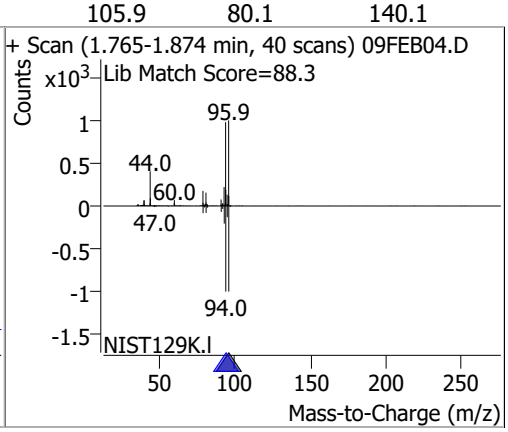




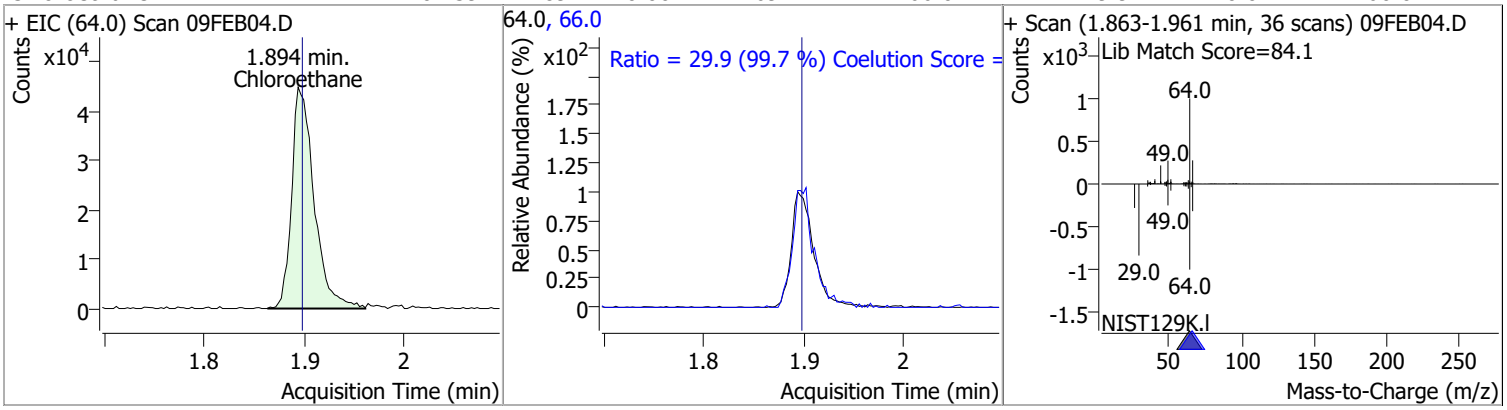
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	92.1347	1.80	0.00	48140	94.0	105.9	80.1	140.1



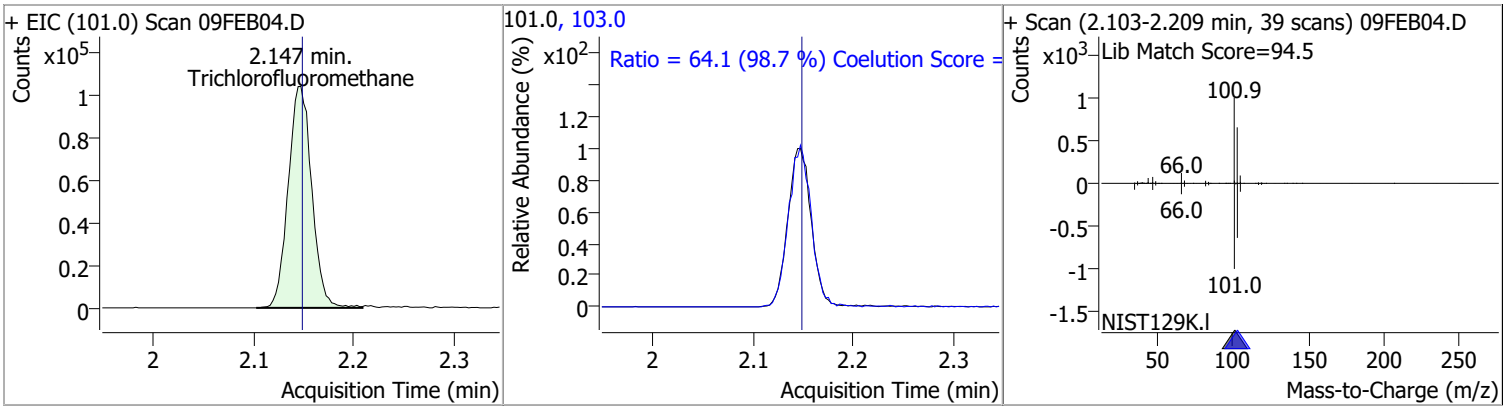




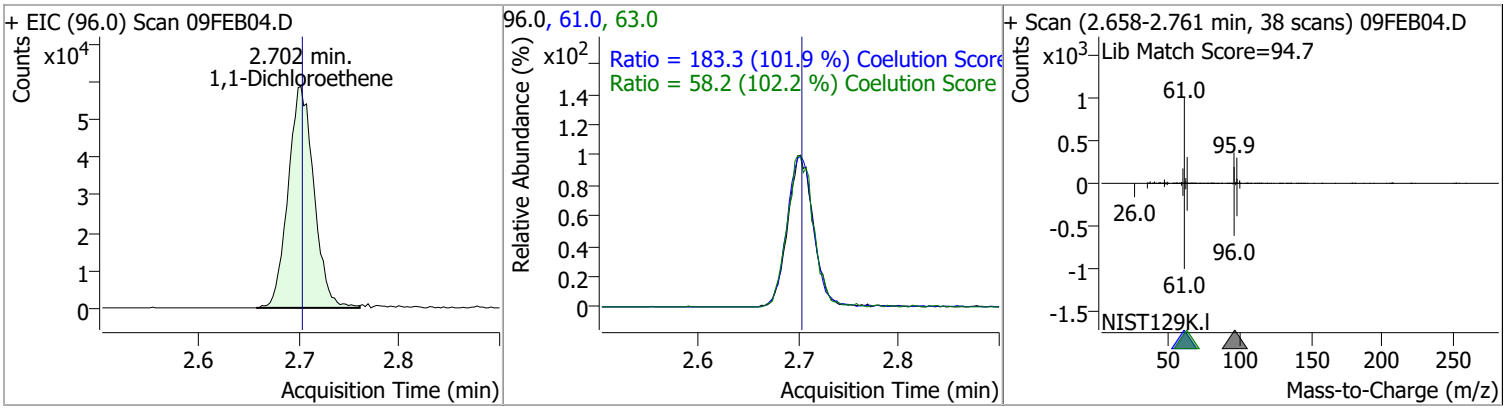
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	120.2392	1.89	0.00	69774	66.0	29.9	0.0	60.0



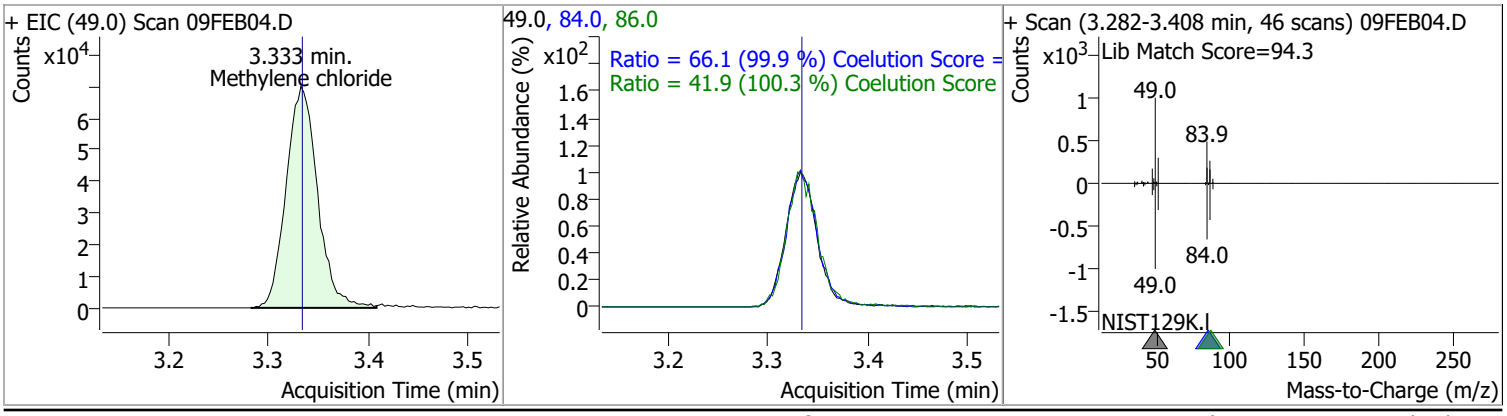
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	115.4178	2.15	0.00	169755	103.0	64.1	35.0	95.0



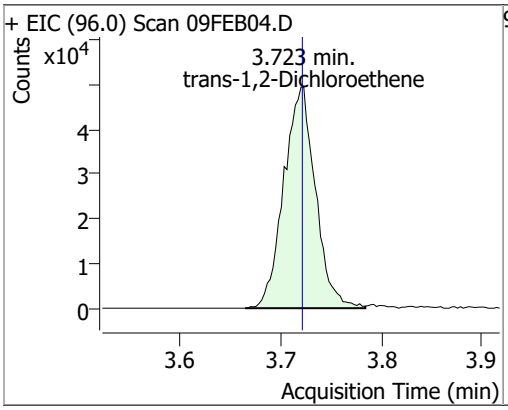
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	123.0310	2.70	0.00	105290	61.0	183.3	149.9	209.9
					63.0	58.2	27.0	87.0

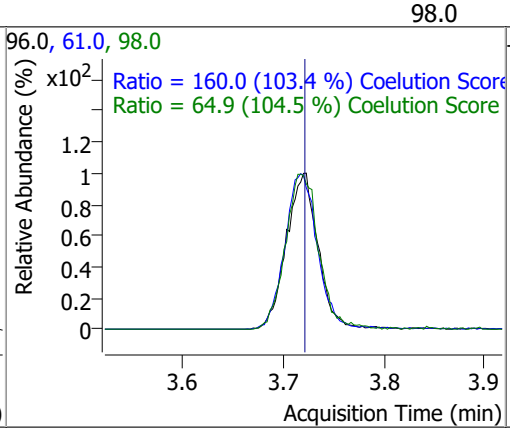


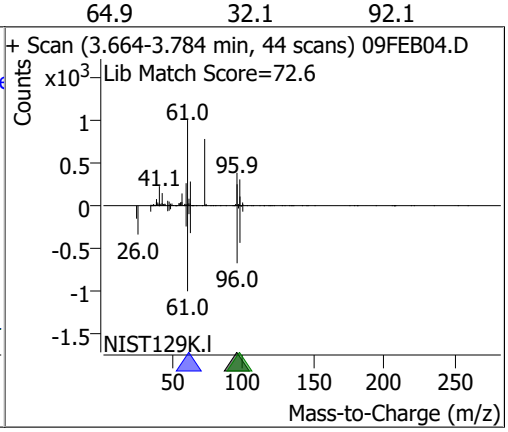
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	122.4082	3.33	0.00	152308	84.0	66.1	36.1	96.1
					86.0	41.9	11.8	71.8



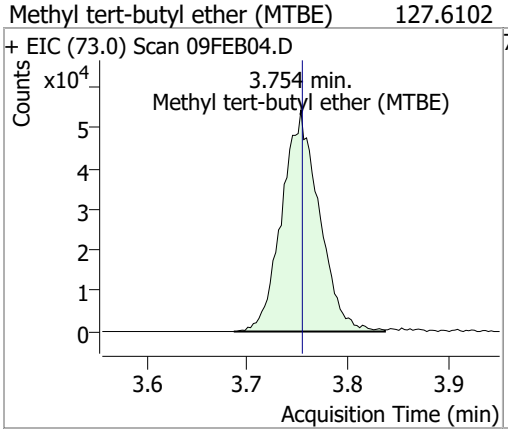
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	122.7255	3.72	0.00	108500	61.0	160.0	124.8	184.8
					98.0	64.9	32.1	92.1

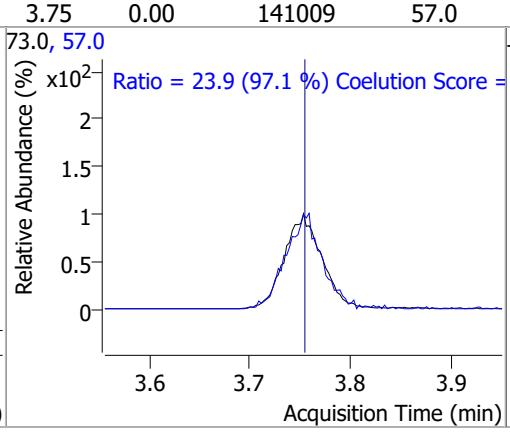


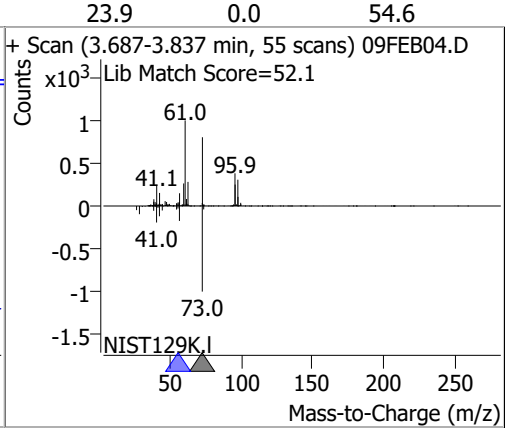




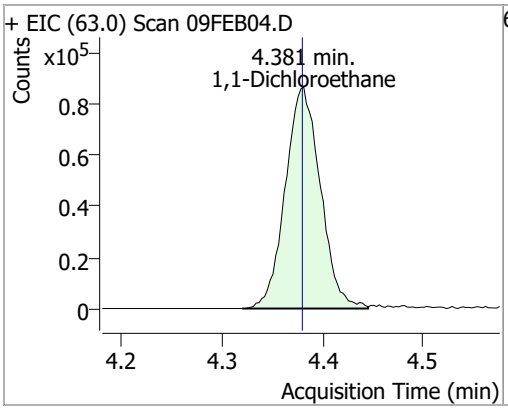
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	127.6102	3.75	0.00	141009	57.0	23.9	0.0	54.6

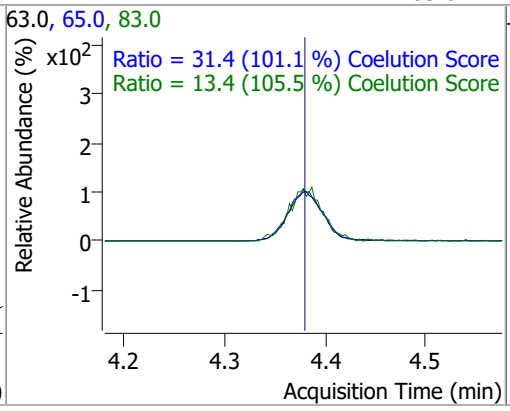


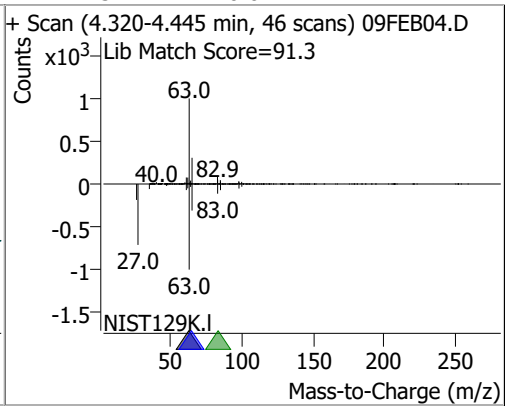




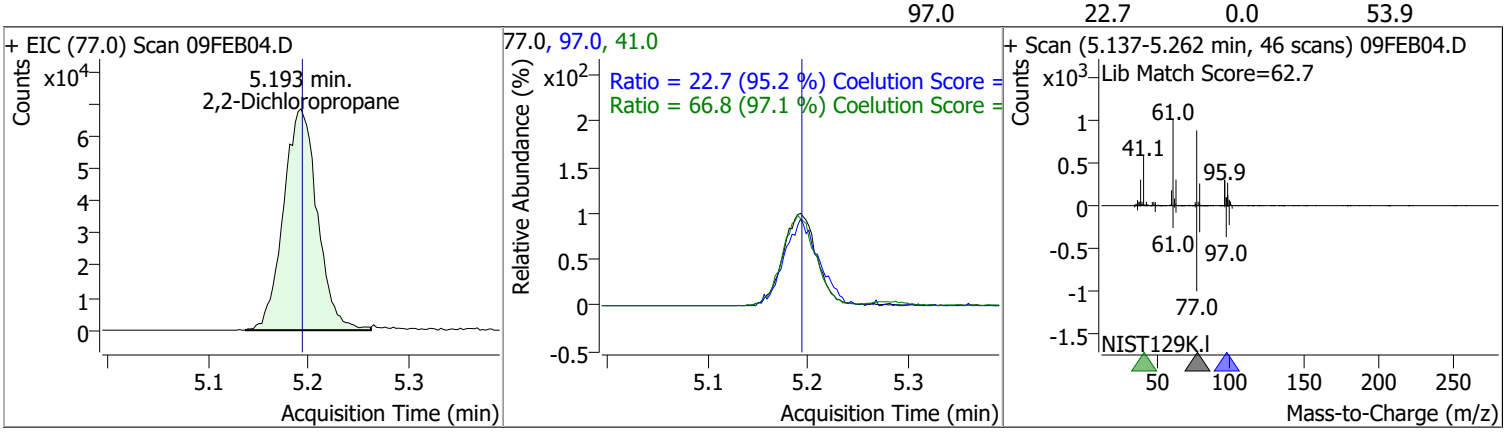
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	127.1875	4.38	0.00	210444	65.0	31.4	1.0	61.0
					83.0	13.4	0.0	42.7



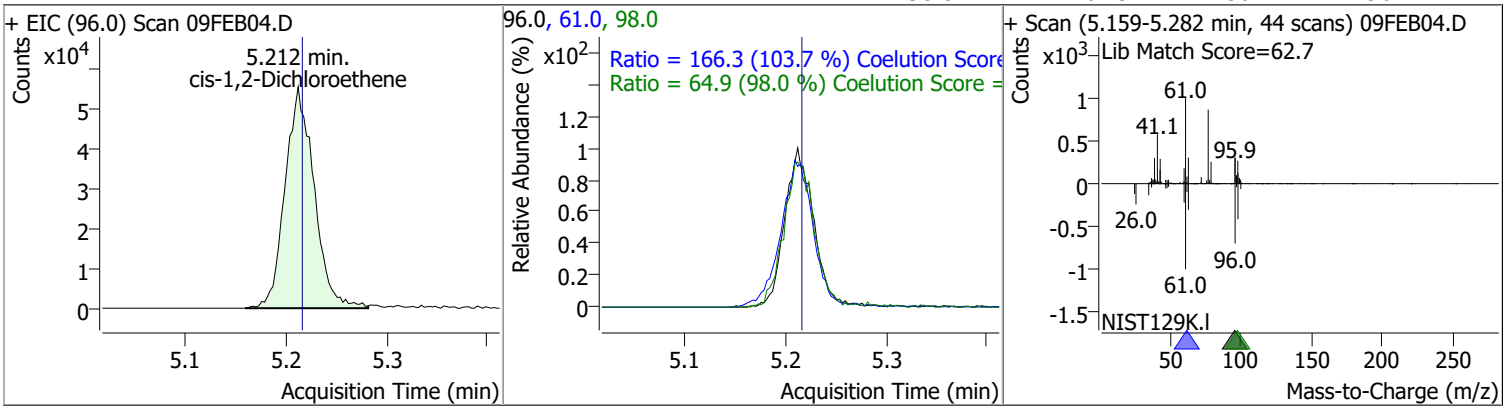




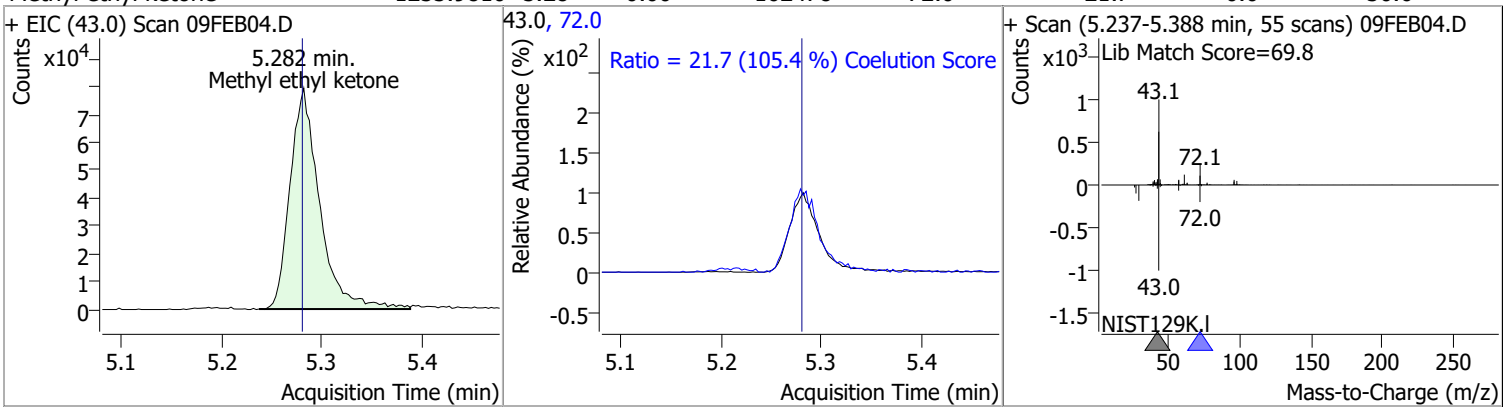
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	129.0024	5.19	0.00	160856	41.0	66.8	38.8	98.8
					97.0	22.7	0.0	53.9



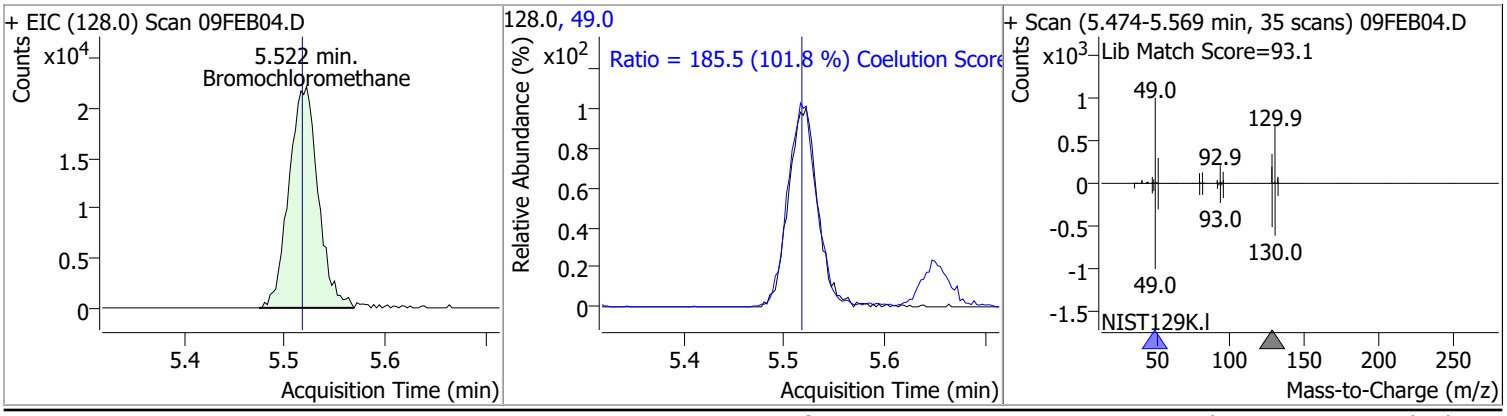
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	123.7984	5.21	0.00	110818	61.0	166.3	130.4	190.4
					98.0	64.9	36.2	96.2



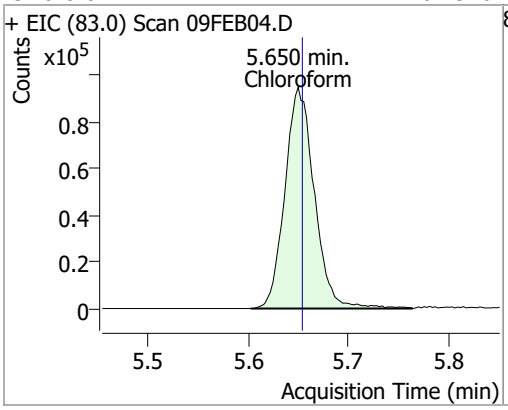
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	1255.9810	5.28	0.00	162478	72.0	21.7	0.0	50.6

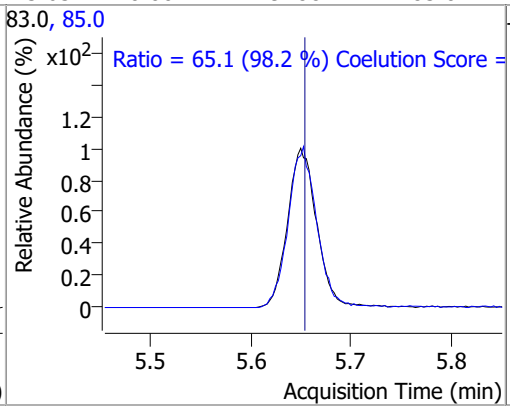


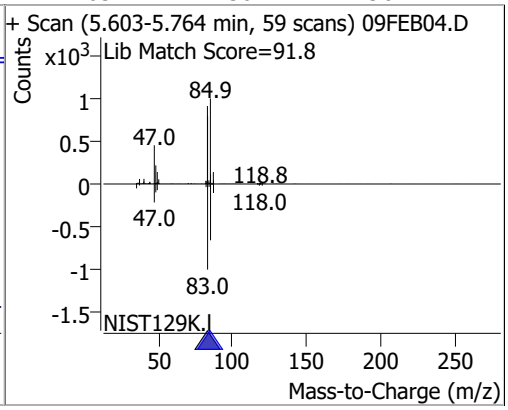
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	121.4620	5.52	0.01	44829	49.0	185.5	152.2	212.2



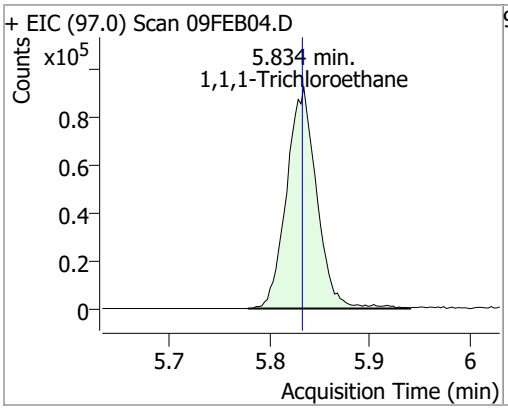
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	116.7546	5.65	0.00	192887	85.0	65.1	36.2	96.2

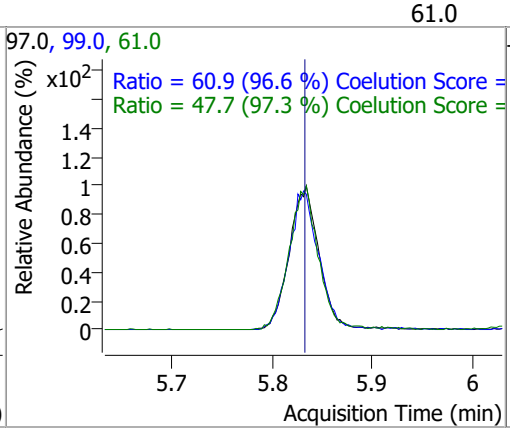


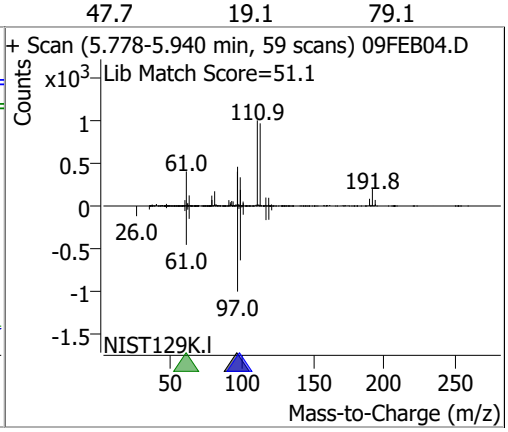




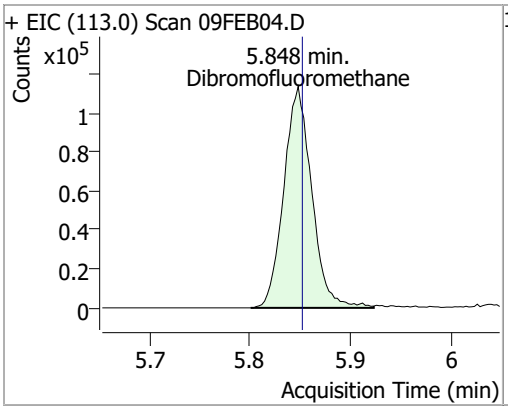
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	126.0784	5.83	0.00	192181	99.0	60.9	33.1	93.1
					61.0	47.7	19.1	79.1

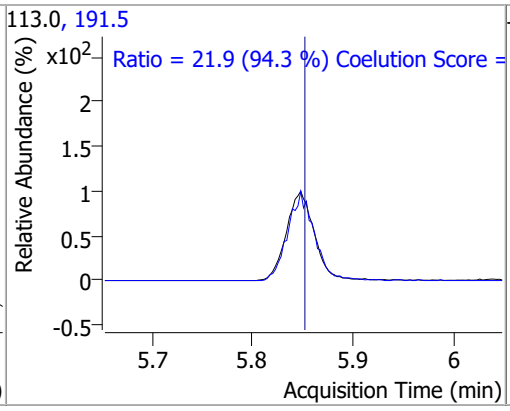


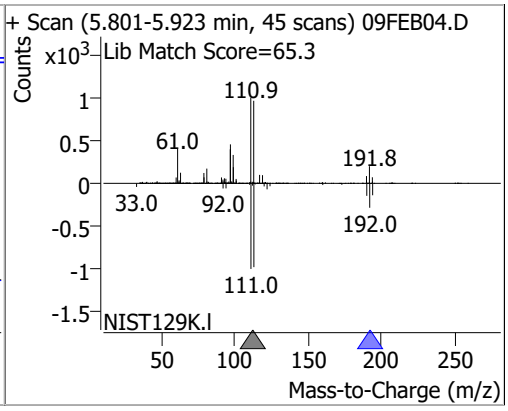




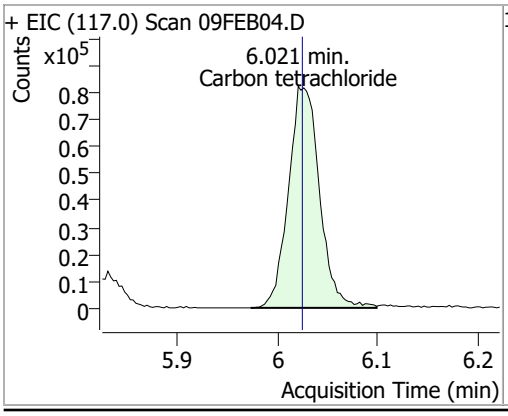
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	266.4745	5.85	0.00	219695	191.5	21.9	0.0	53.2

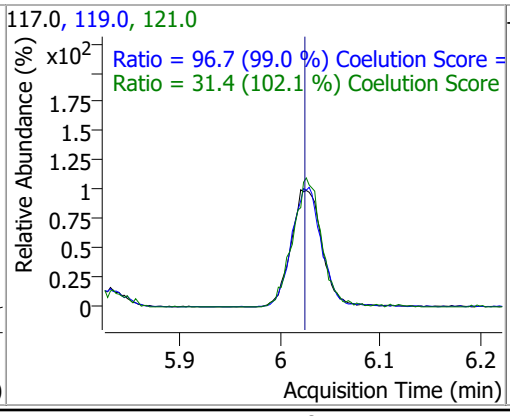


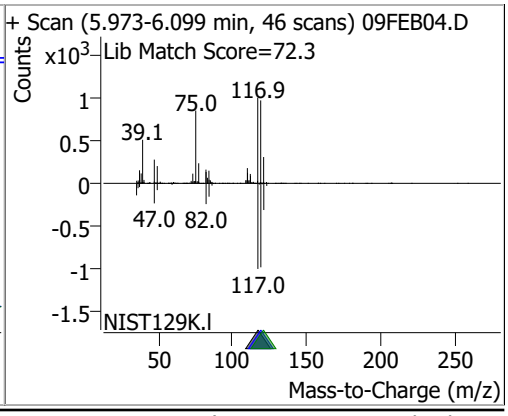




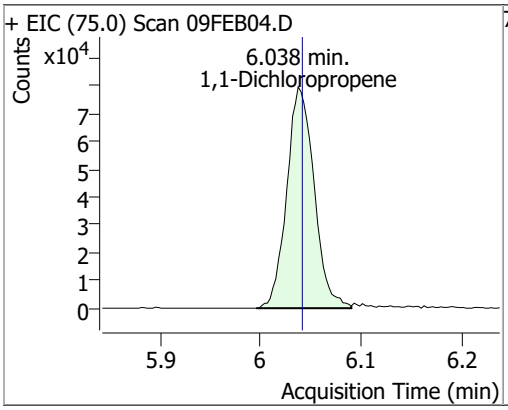
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	120.2267	6.02	0.00	177739	119.0	96.7	67.6	127.6
					121.0	31.4	0.7	60.7

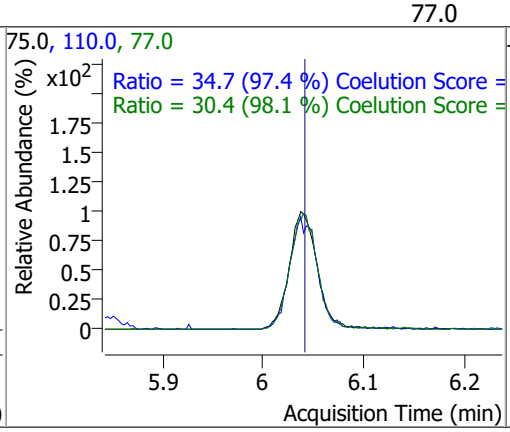


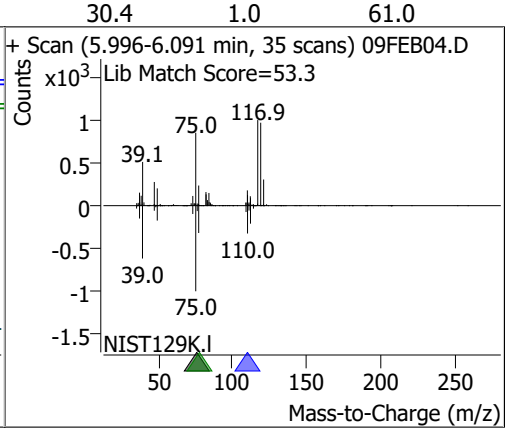




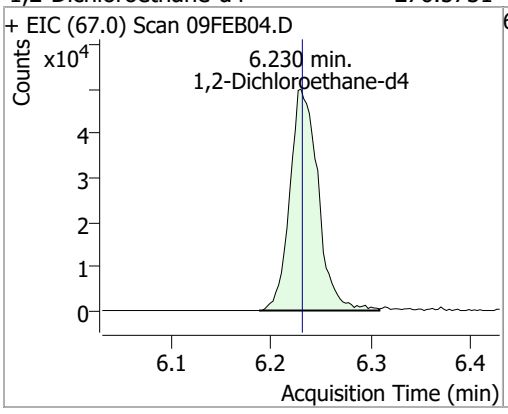
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	121.8981	6.04	0.00	150674	110.0	34.7	5.6	65.6
					77.0	30.4	1.0	61.0

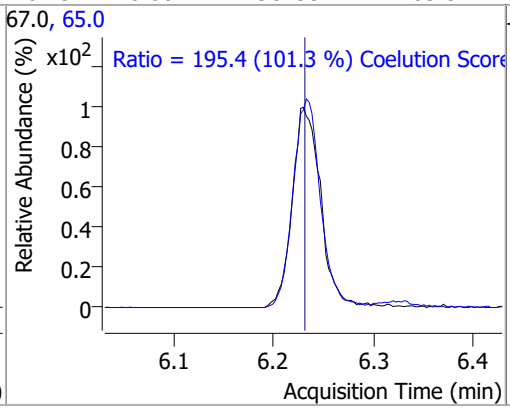


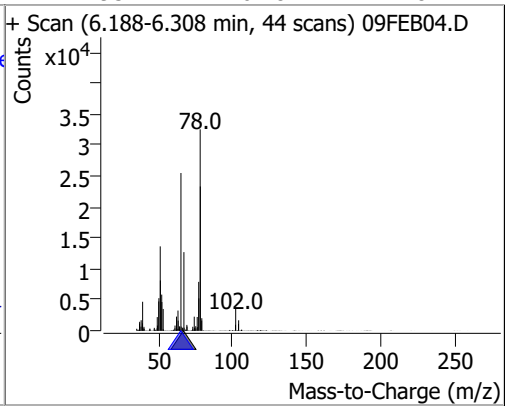




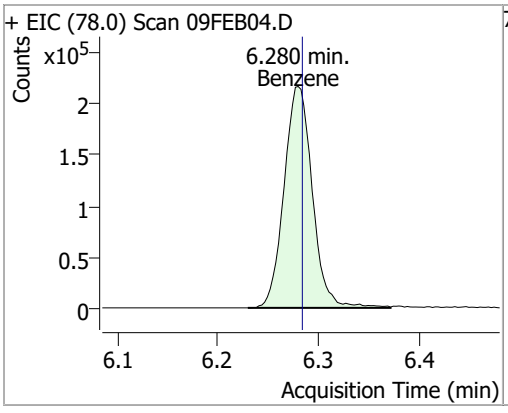
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	276.5731	6.23	0.00	98499	65.0	195.4	162.8	222.8

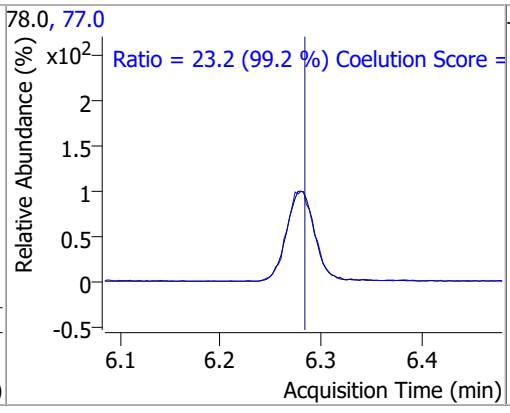


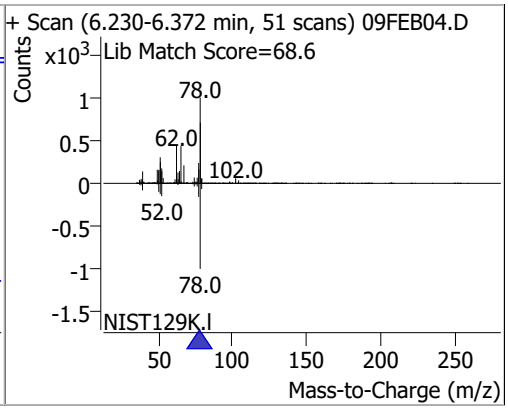




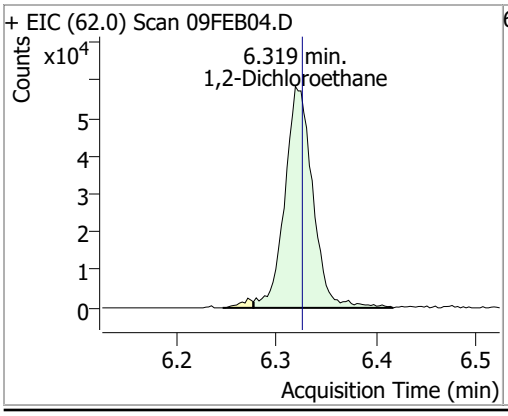
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	125.5157	6.28	0.00	426800	77.0	23.2	0.0	53.3

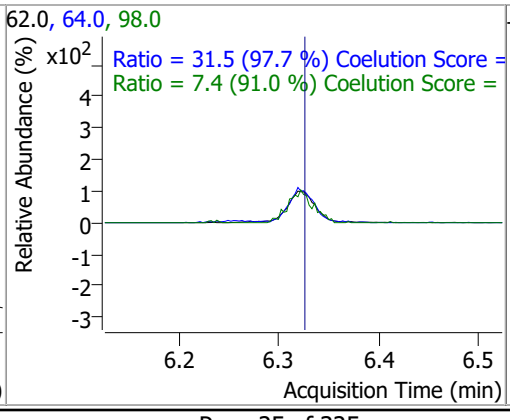


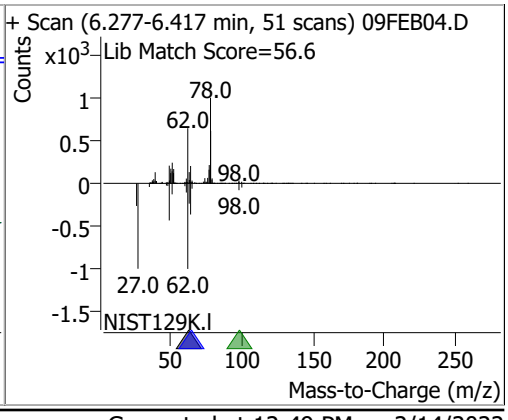




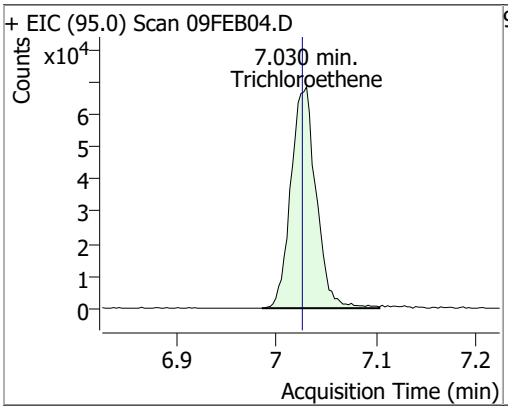
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	120.3765	6.32	-0.01	113057	64.0	31.5	2.2	62.2
					98.0	7.4	0.0	38.2

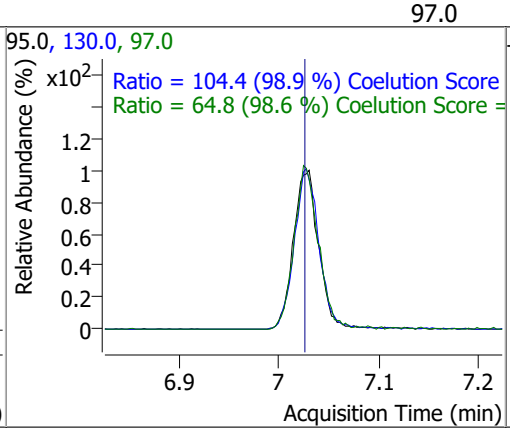


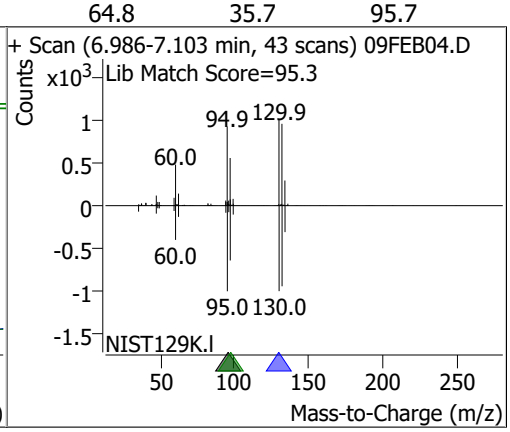




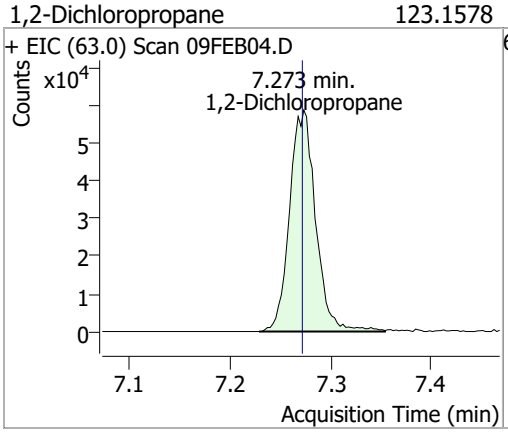
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	122.3322	7.03	0.01	120192	130.0	104.4	75.6	135.6
					97.0	64.8	35.7	95.7

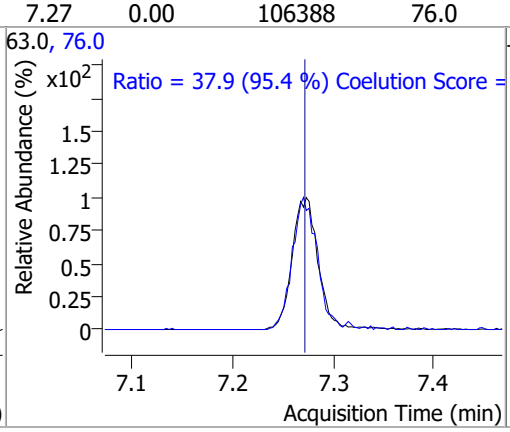


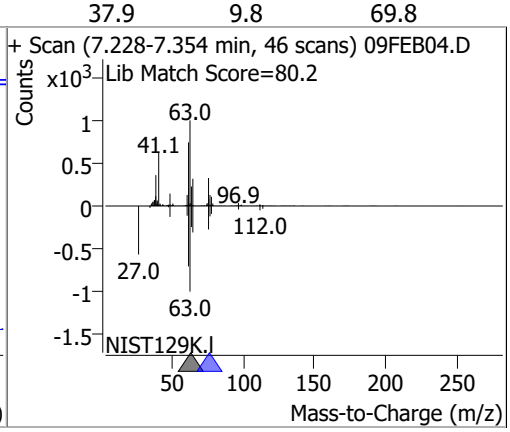




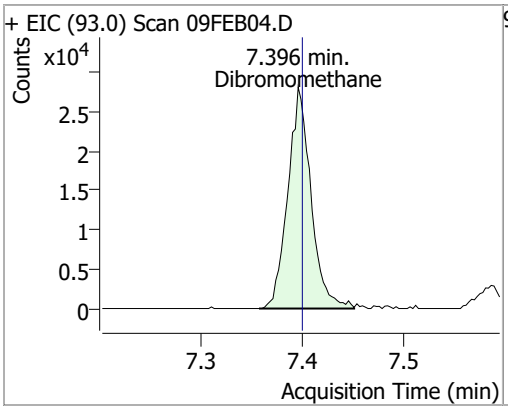
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	123.1578	7.27	0.00	106388	76.0	37.9	9.8	69.8

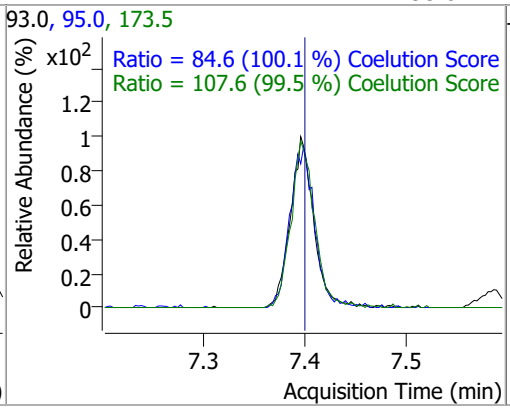


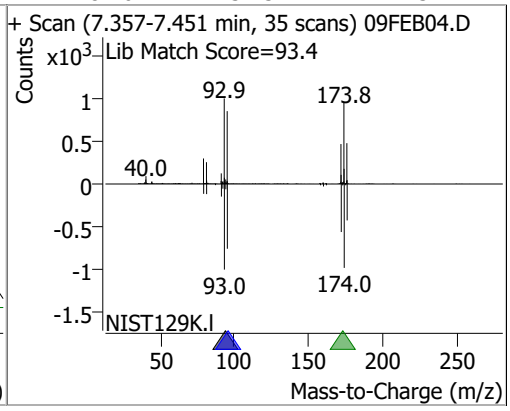




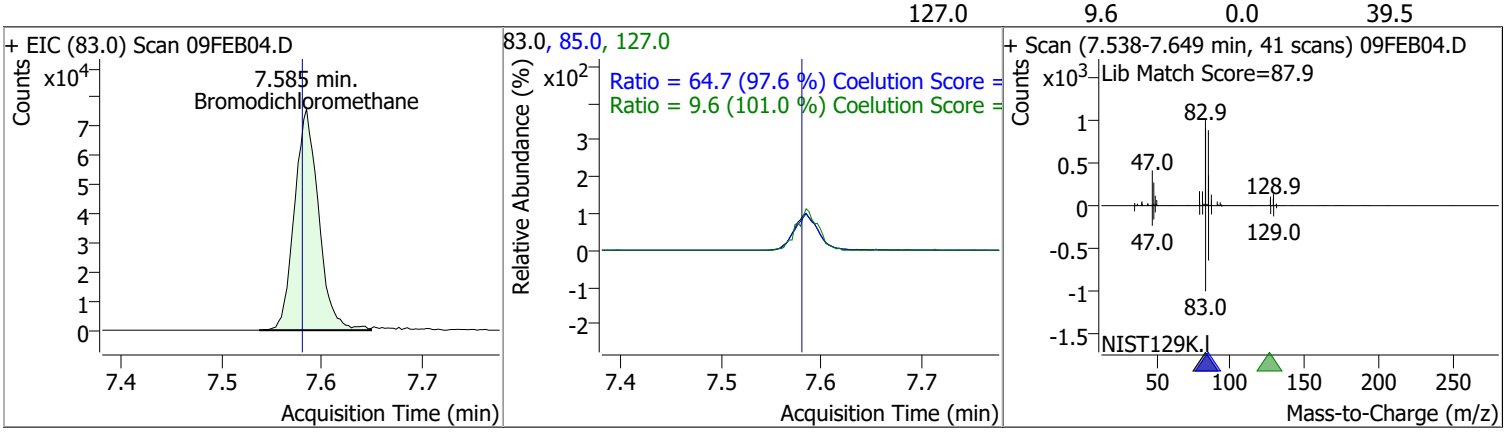
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	123.6523	7.40	0.00	45023	173.5	107.6	78.2	138.2
					95.0	84.6	54.5	114.5



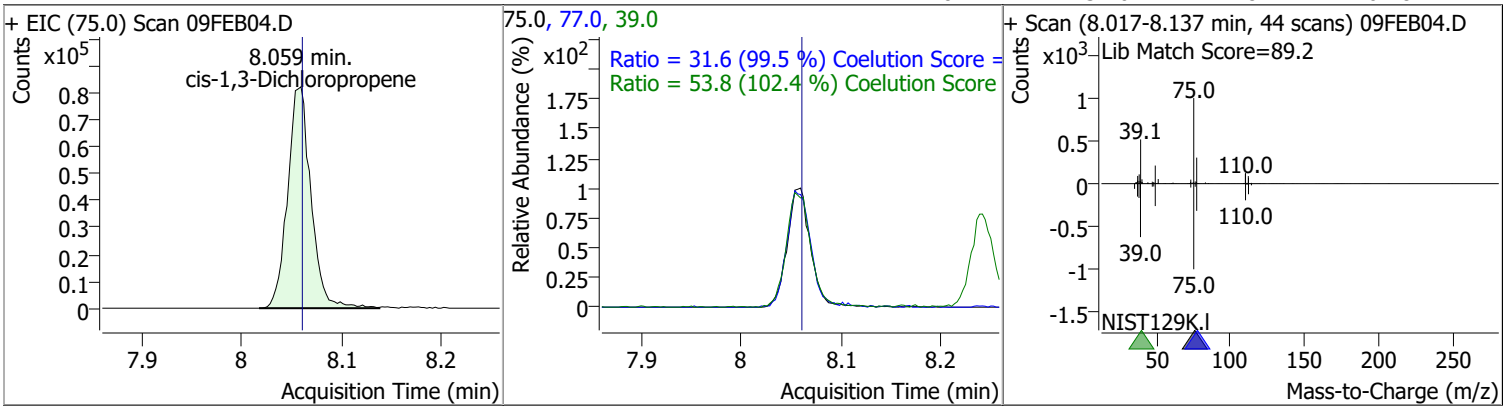




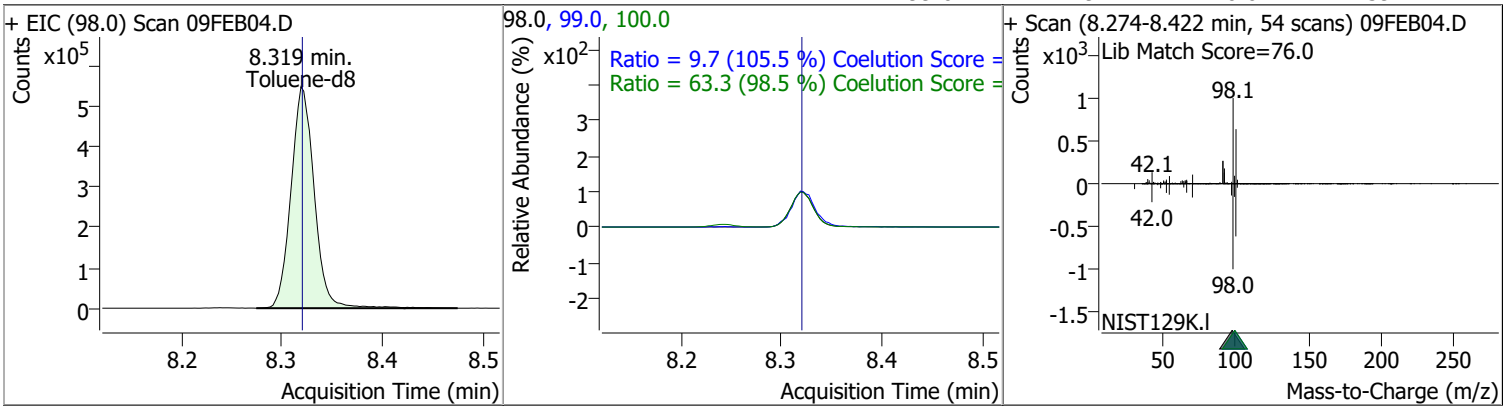
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	123.9372	7.59	0.01	126895	85.0	64.7	36.3	96.3
					127.0	9.6	0.0	39.5



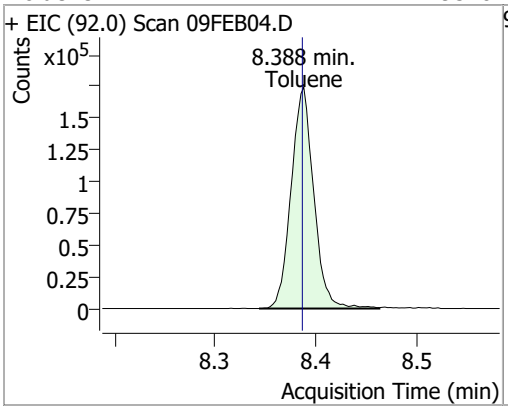
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	118.2650	8.06	0.00	132873	39.0	53.8	22.5	82.5
					77.0	31.6	1.8	61.8

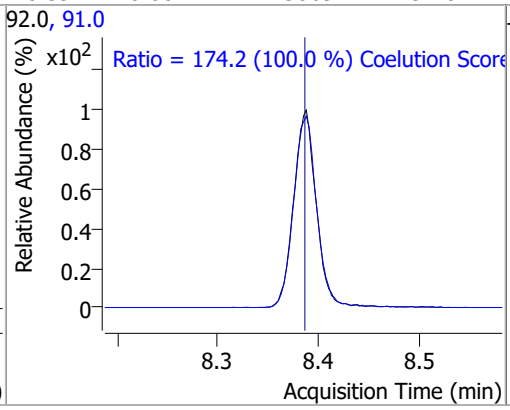


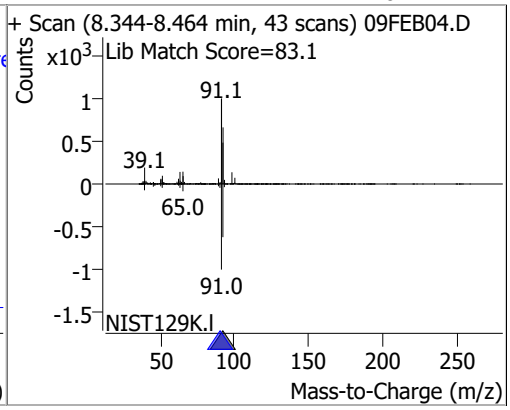
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	274.1679	8.32	0.00	877820	100.0	63.3	34.3	94.3
					99.0	9.7	0.0	39.2



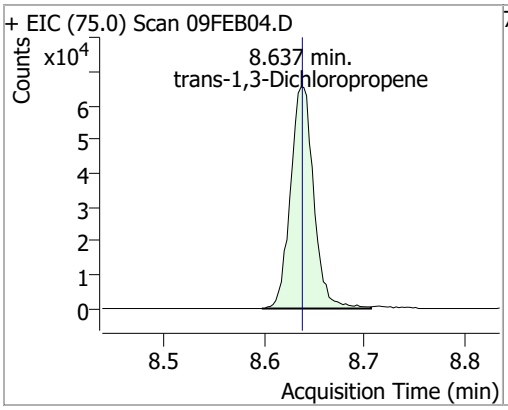
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	127.9510	8.39	0.00	273069	91.0	174.2	144.1	204.1

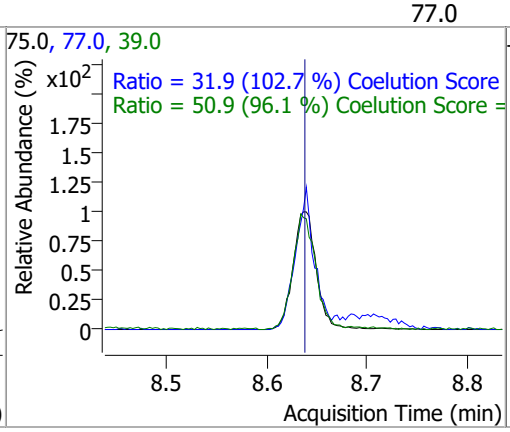


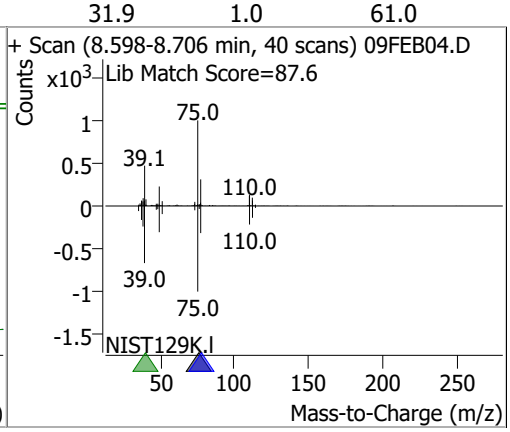




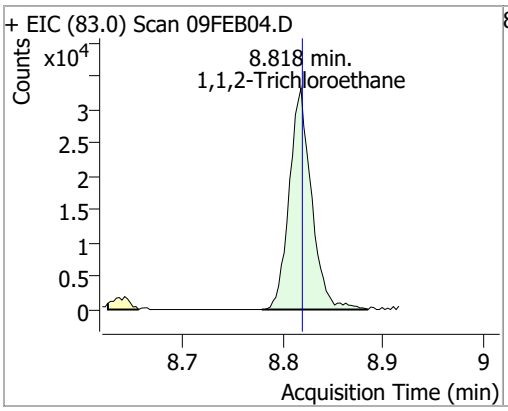
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	128.6383	8.64	0.00	105422	39.0	50.9	23.0	83.0
					77.0	31.9	1.0	61.0

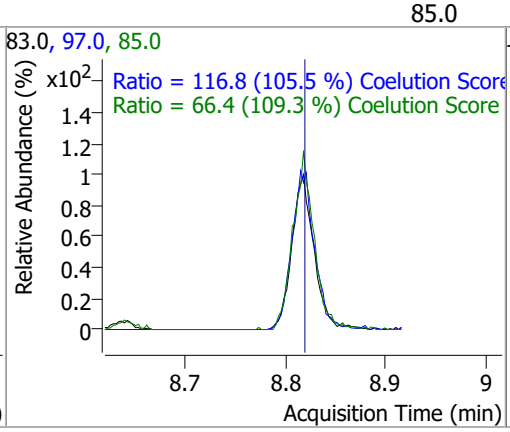


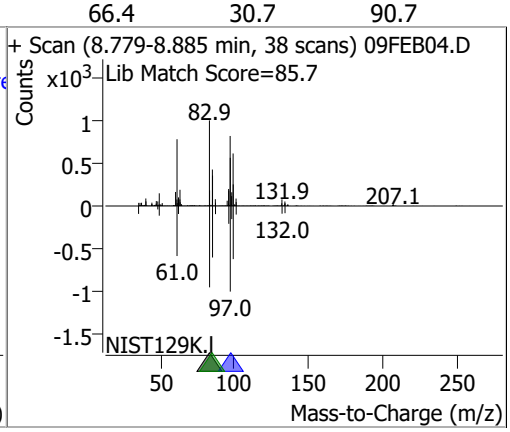




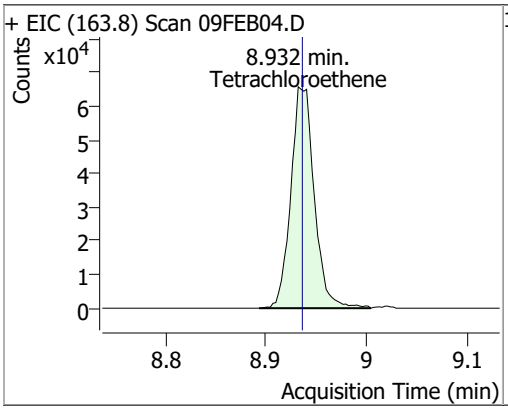
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	122.5682	8.82	0.00	51076	97.0	116.8	80.7	140.7
					85.0	66.4	30.7	90.7

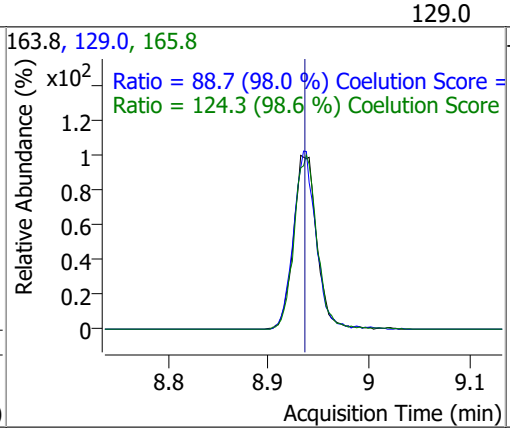


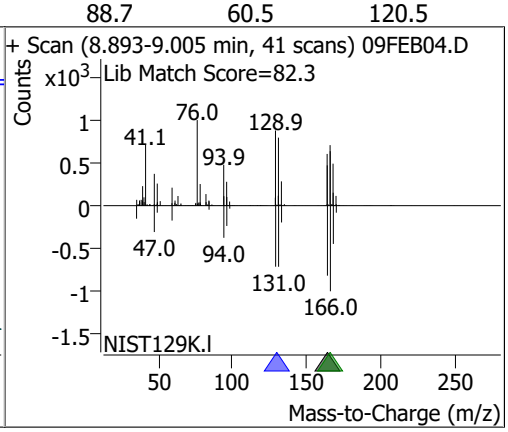




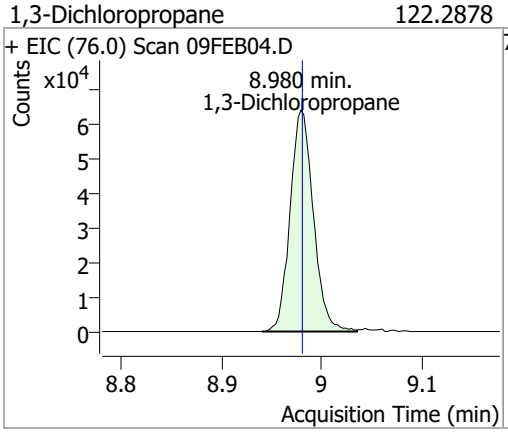
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	123.4447	8.93	0.00	106831	165.8	124.3	96.1	156.1
					129.0	88.7	60.5	120.5

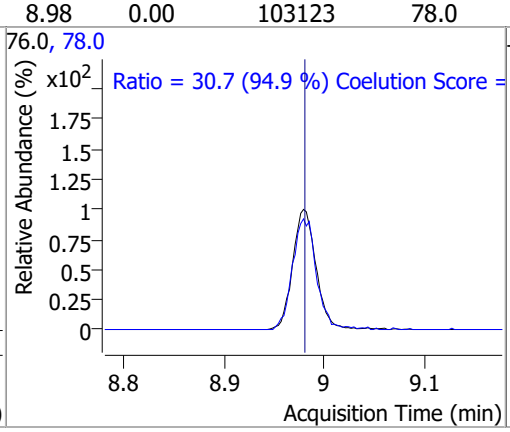


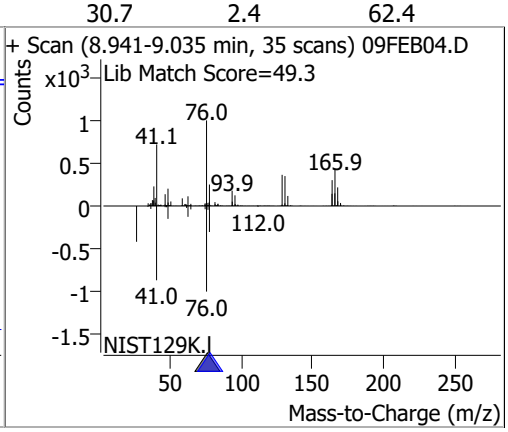




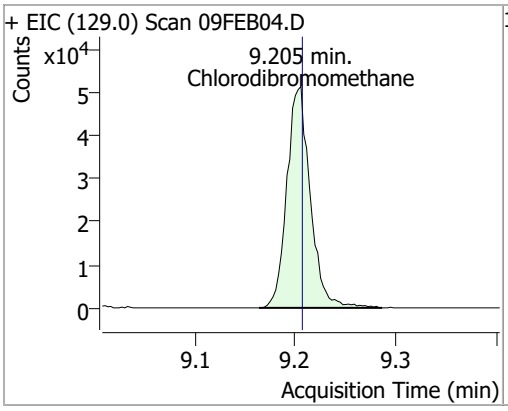
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	122.2878	8.98	0.00	103123	78.0	30.7	2.4	62.4

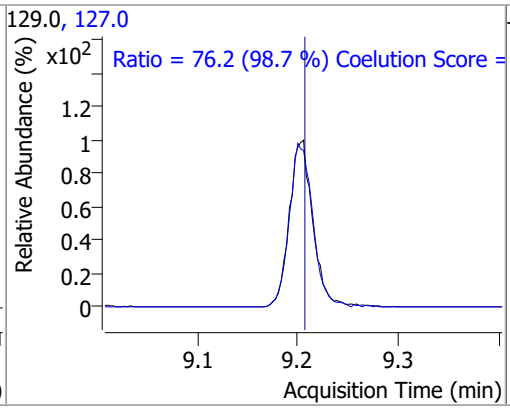


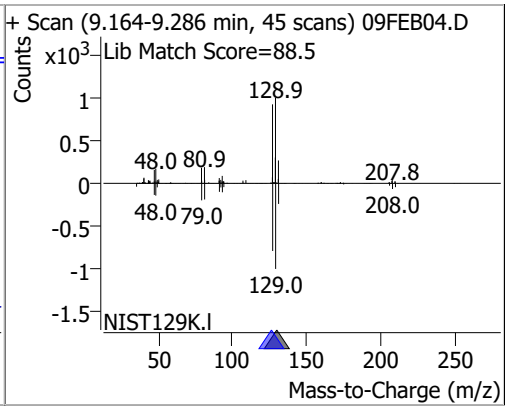




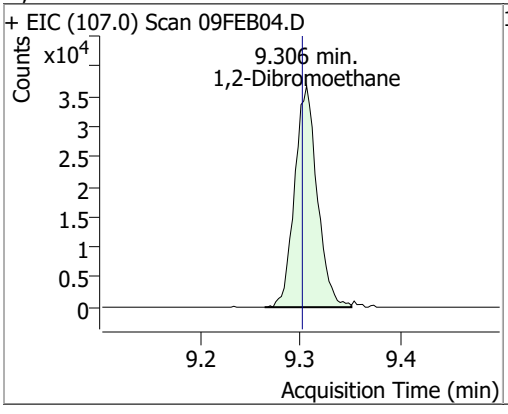
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	123.9037	9.21	0.00	83155	127.0	76.2	47.2	107.2

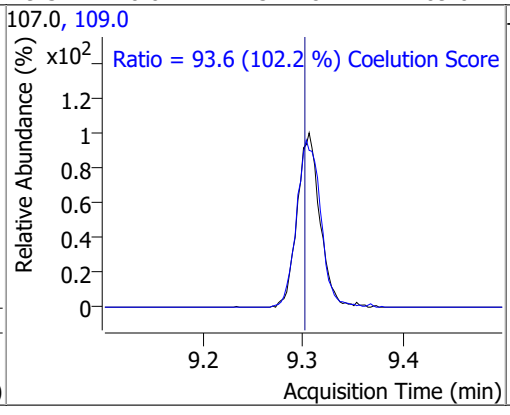


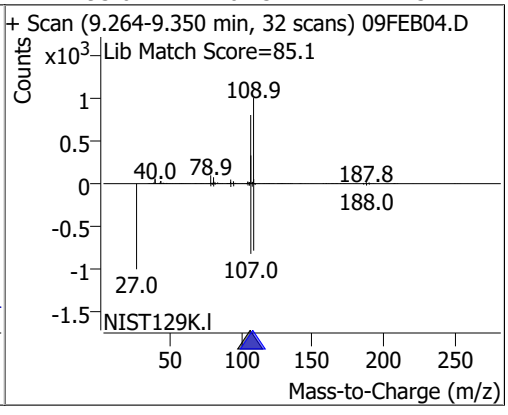




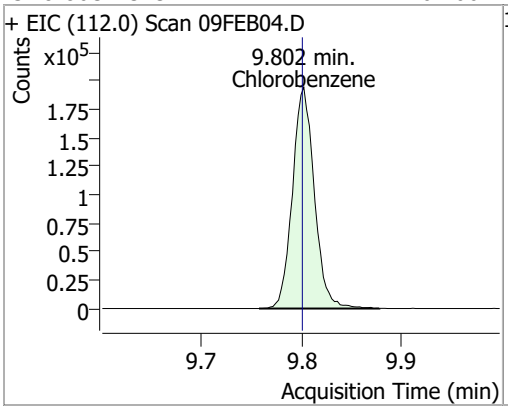
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	124.7556	9.31	0.01	57418	109.0	93.6	61.5	121.5

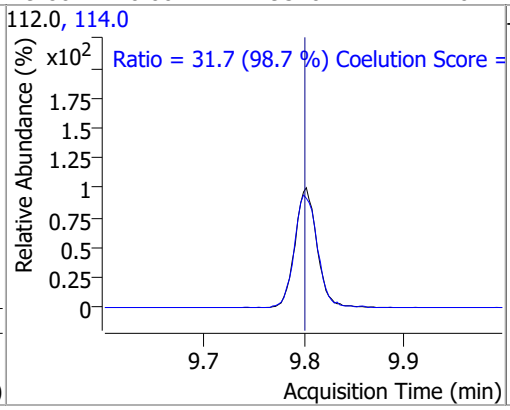


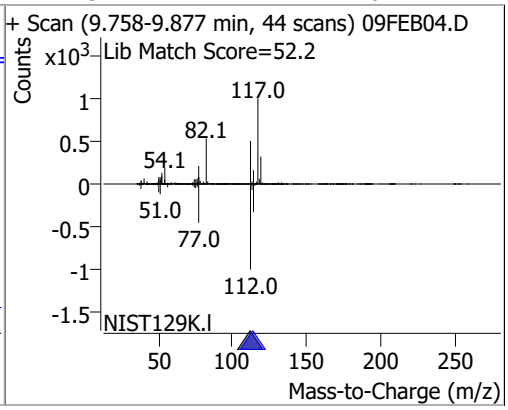




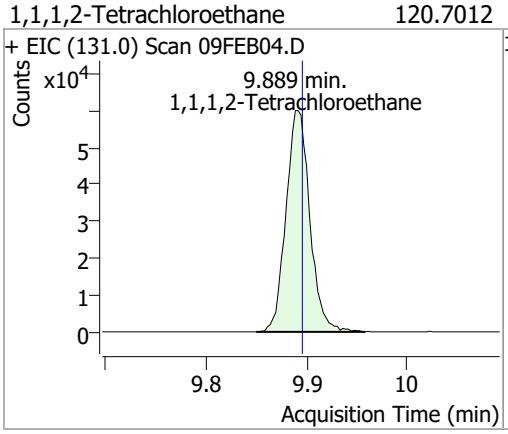
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	126.2661	9.80	0.00	295407	114.0	31.7	2.2	62.2

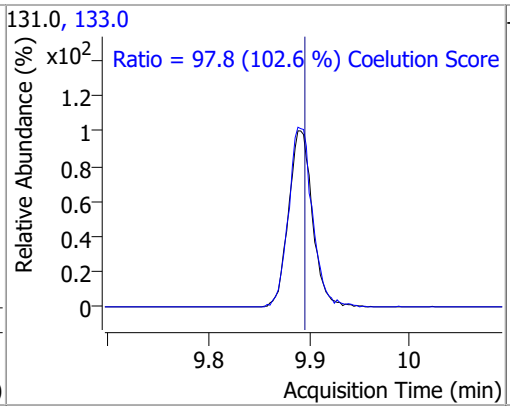


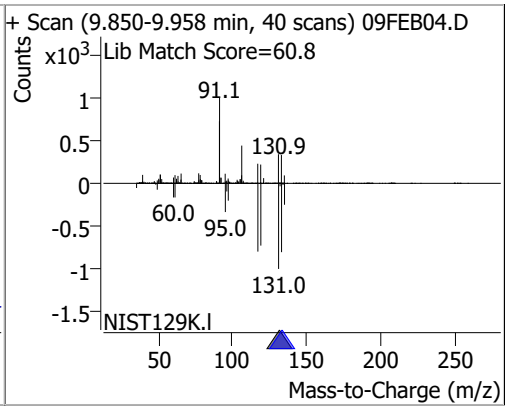




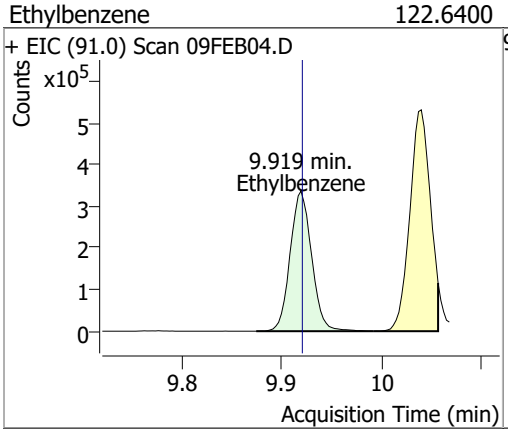
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	120.7012	9.89	-0.01	99080	133.0	97.8	65.3	125.3

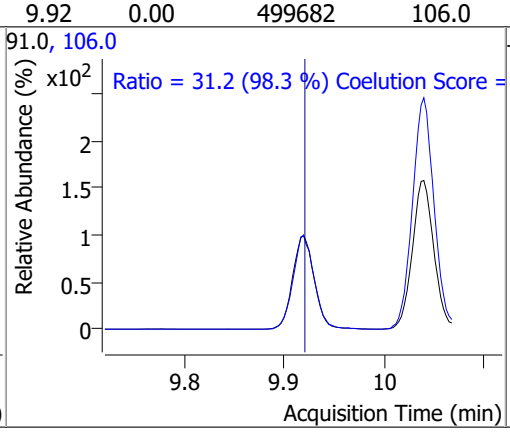


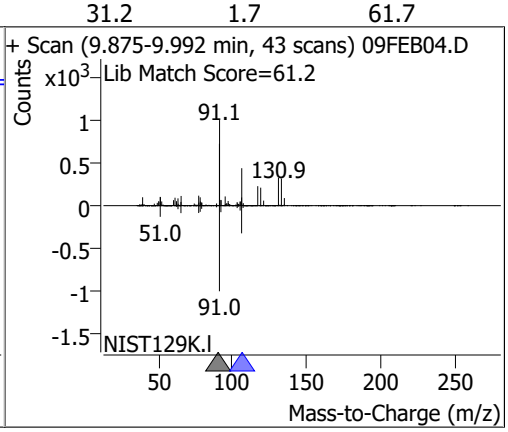




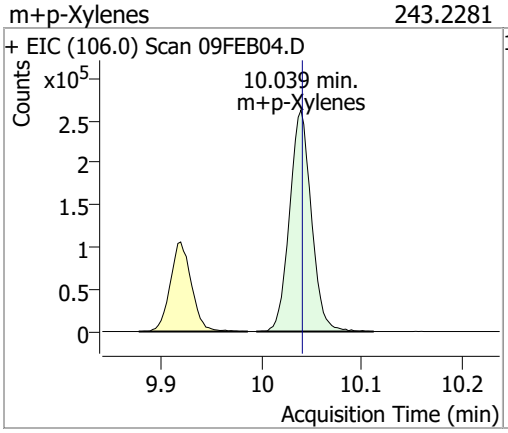
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	122.6400	9.92	0.00	499682	106.0	31.2	1.7	61.7

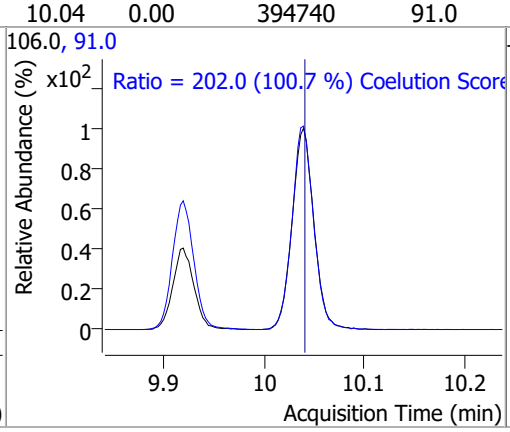


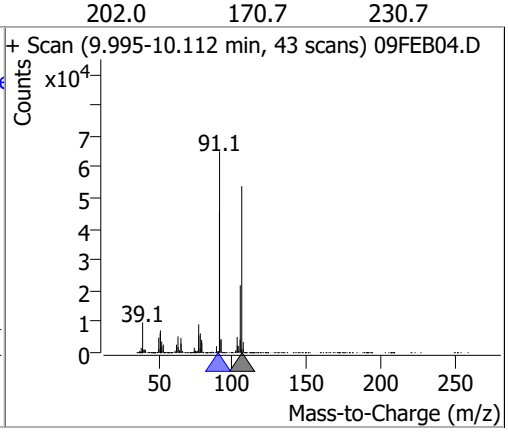




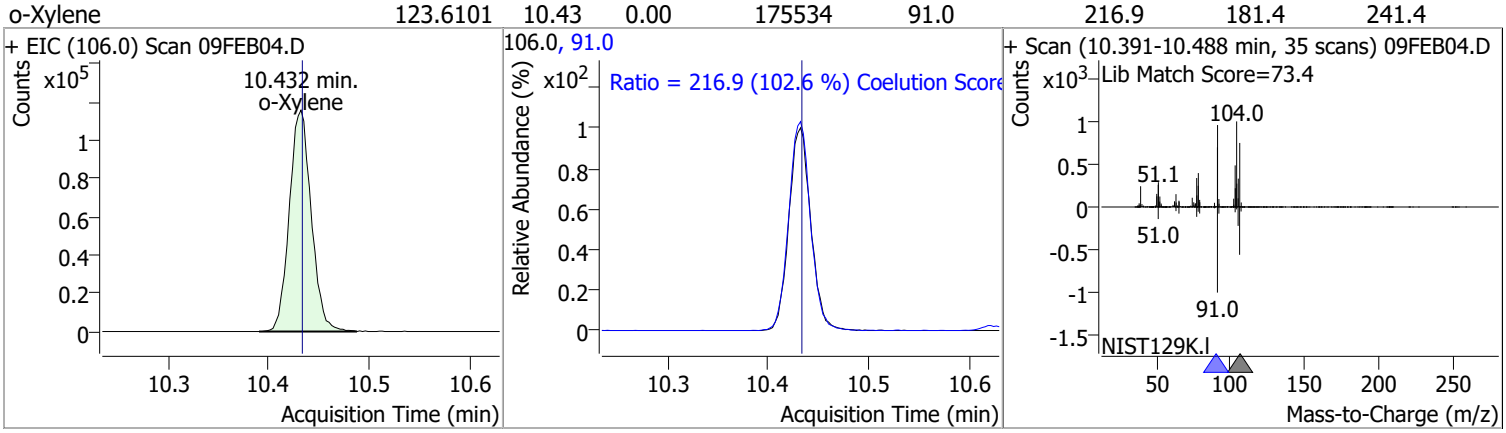
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	243.2281	10.04	0.00	394740	91.0	202.0	170.7	230.7



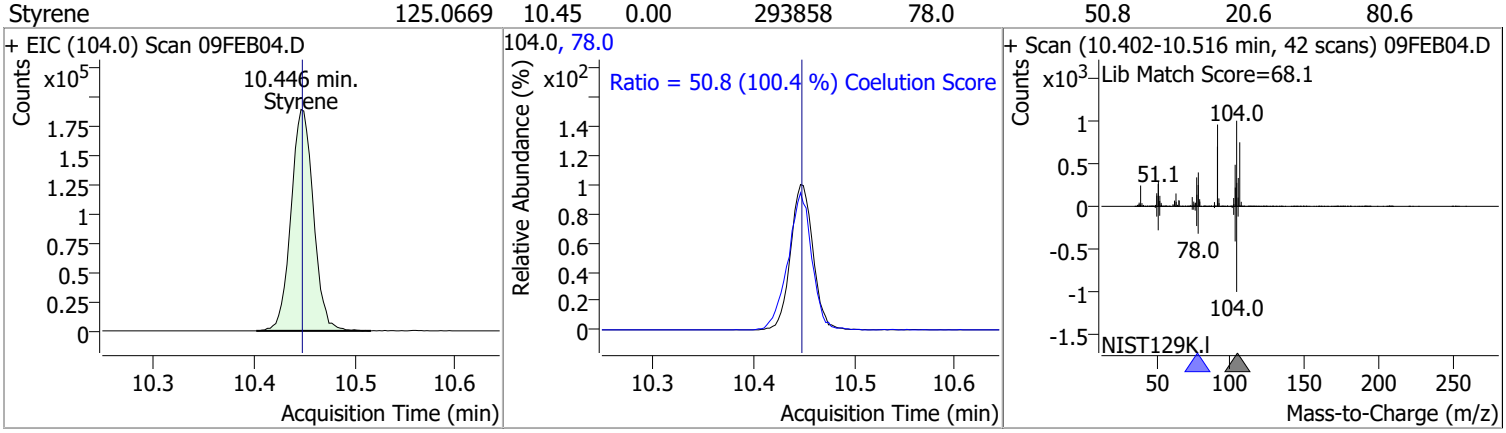




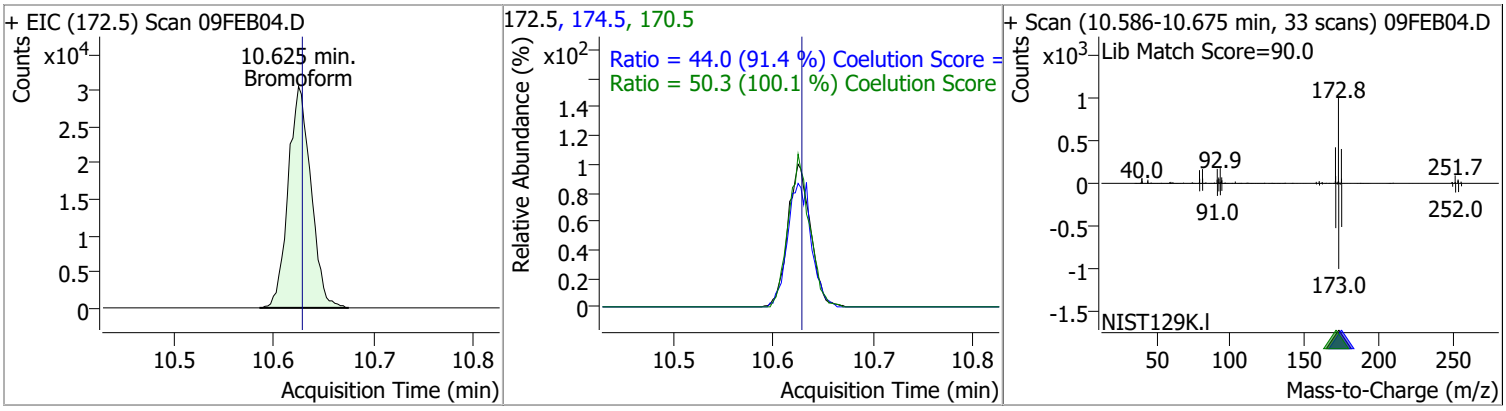
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	123.6101	10.43	0.00	175534	91.0	216.9	181.4	241.4



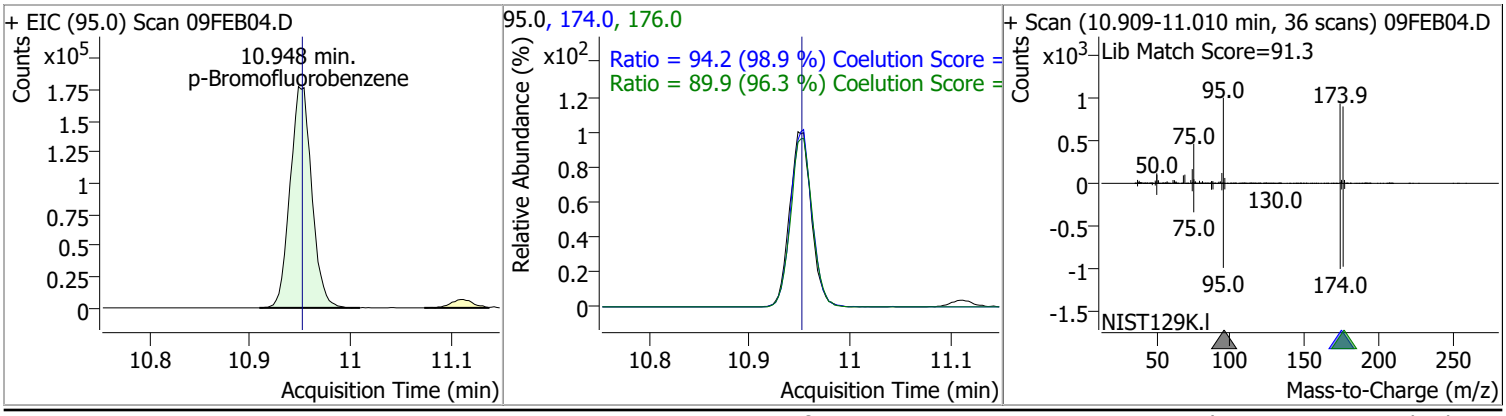
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	125.0669	10.45	0.00	293858	78.0	50.8	20.6	80.6



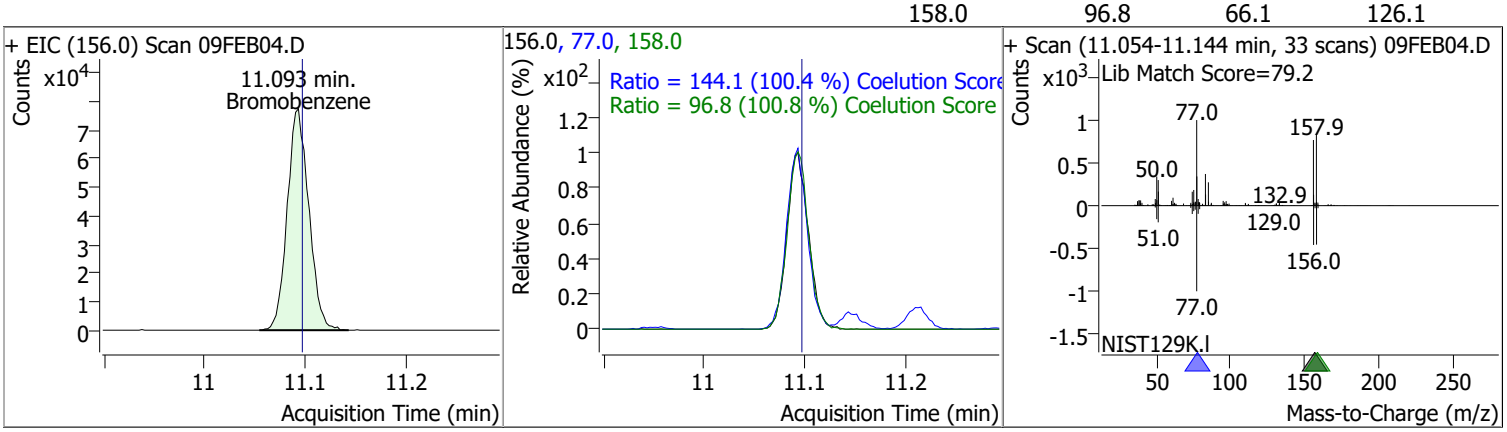
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	126.9661	10.62	0.00	48079	170.5	50.3	20.3	80.3
					174.5	44.0	18.1	78.1



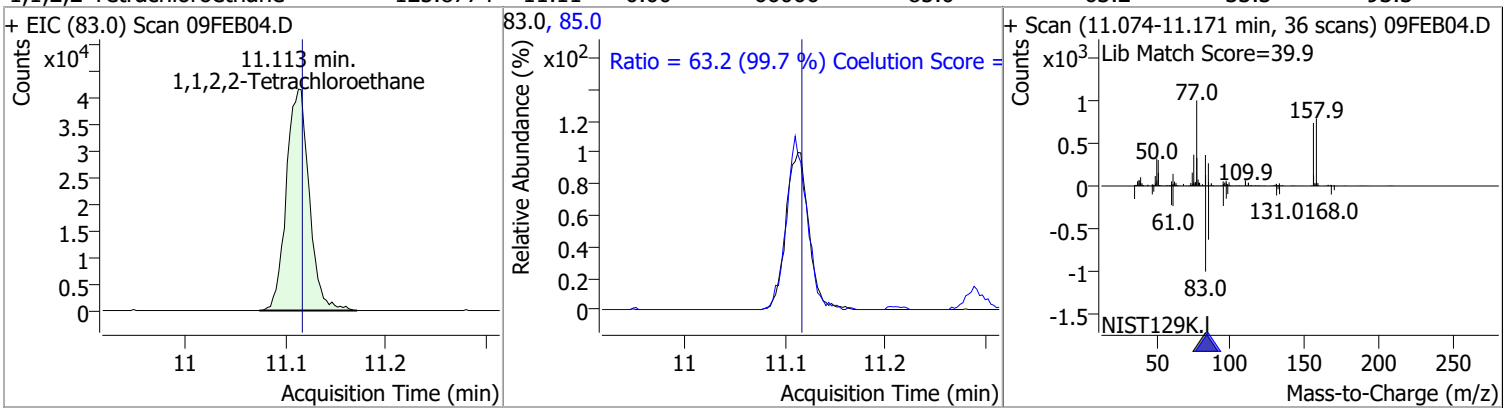
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	255.1778	10.95	0.00	266256	174.0	94.2	65.3	125.3
					176.0	89.9	63.3	123.3



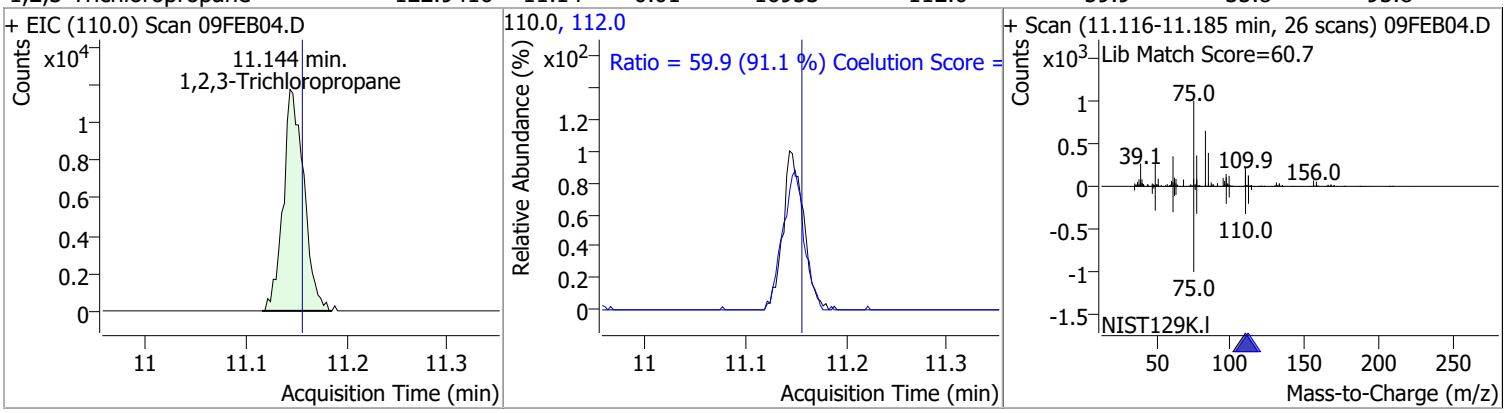
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	125.6078	11.09	0.00	115578	77.0	144.1	113.5	173.5
					158.0	96.8	66.1	126.1



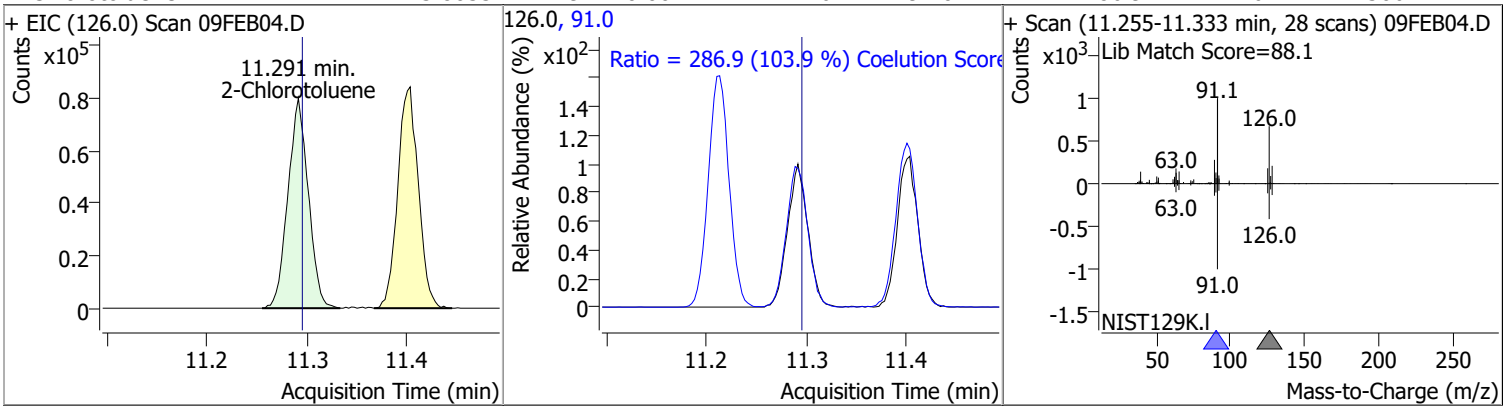
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	125.8774	11.11	0.00	66066	85.0	63.2	33.3	93.3



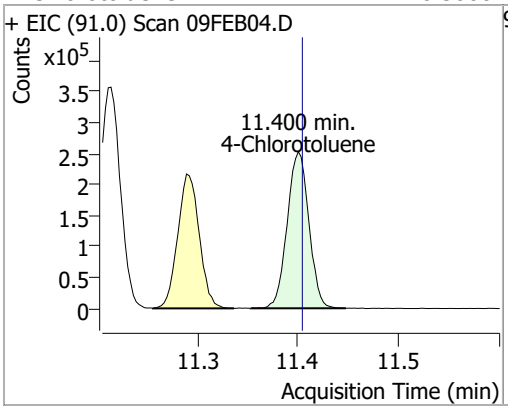
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	122.9416	11.14	-0.01	16953	112.0	59.9	35.8	95.8

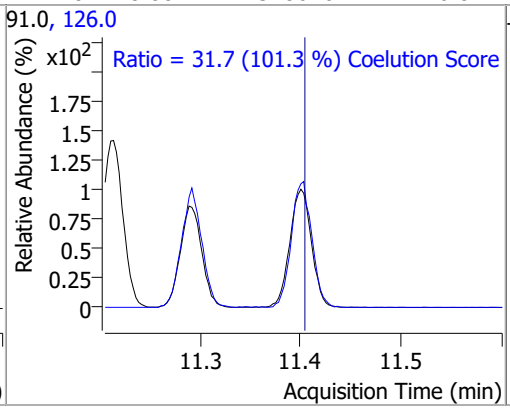


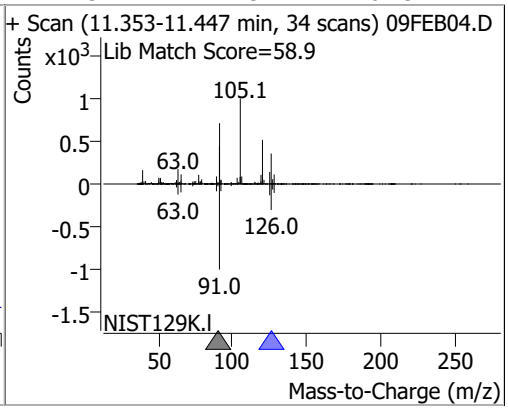
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	123.8035	11.29	0.00	112746	91.0	286.9	246.2	306.2



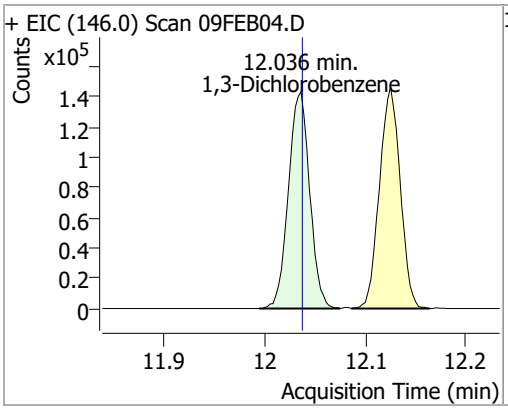
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	128.3808	11.40	0.00	378676	126.0	31.7	1.3	61.3

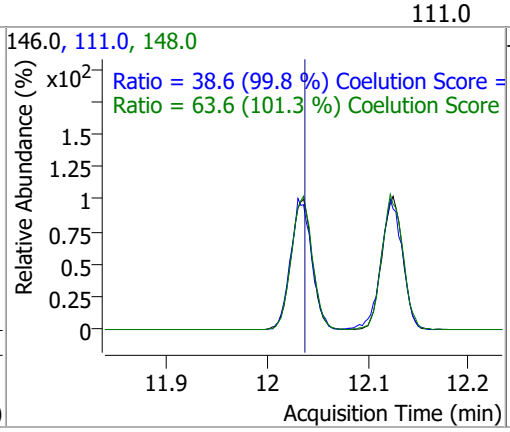


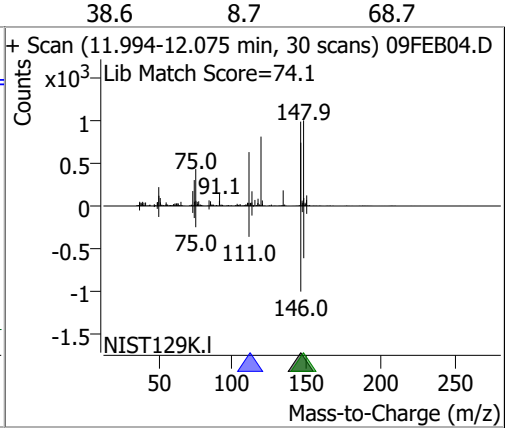




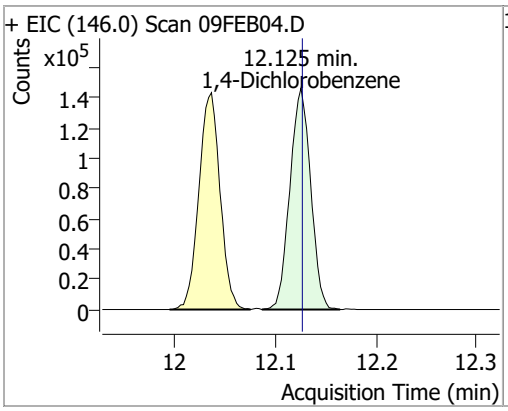
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	126.0817	12.04	0.00	210195	148.0	63.6	32.8	92.8
					111.0	38.6	8.7	68.7

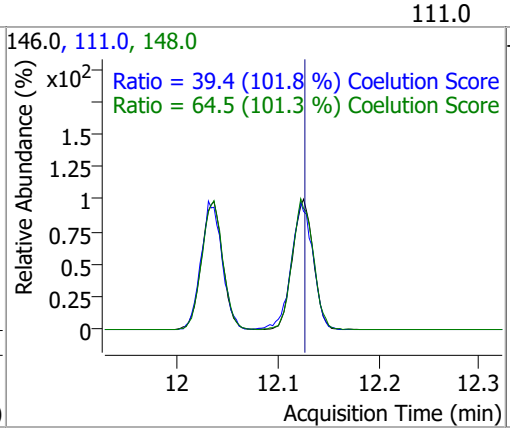


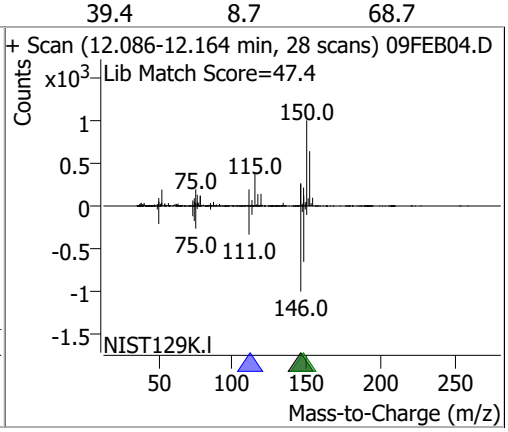




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	123.6499	12.13	0.00	210157	148.0	64.5	33.7	93.7
					111.0	39.4	8.7	68.7

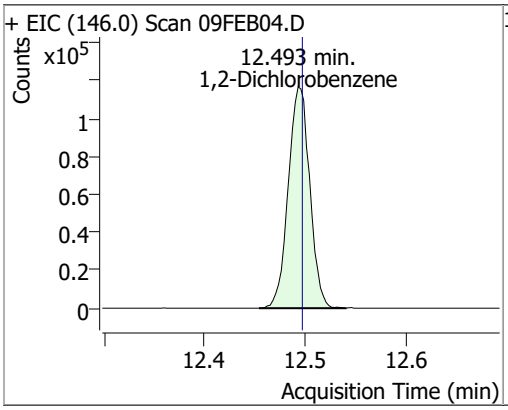


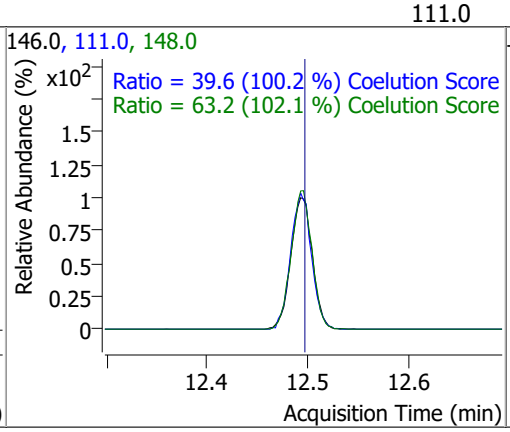


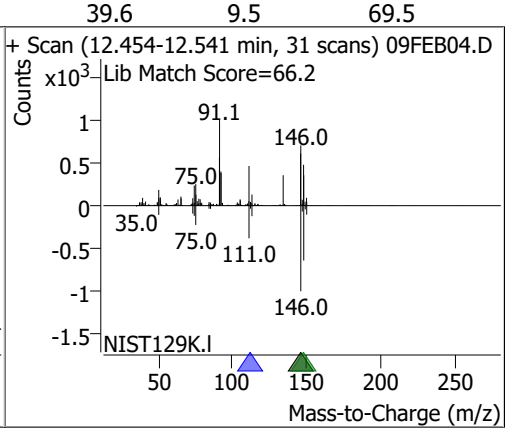


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	124.6540	12.49	0.00	173501	148.0	63.2	31.9	91.9
					111.0	39.6	9.5	69.5

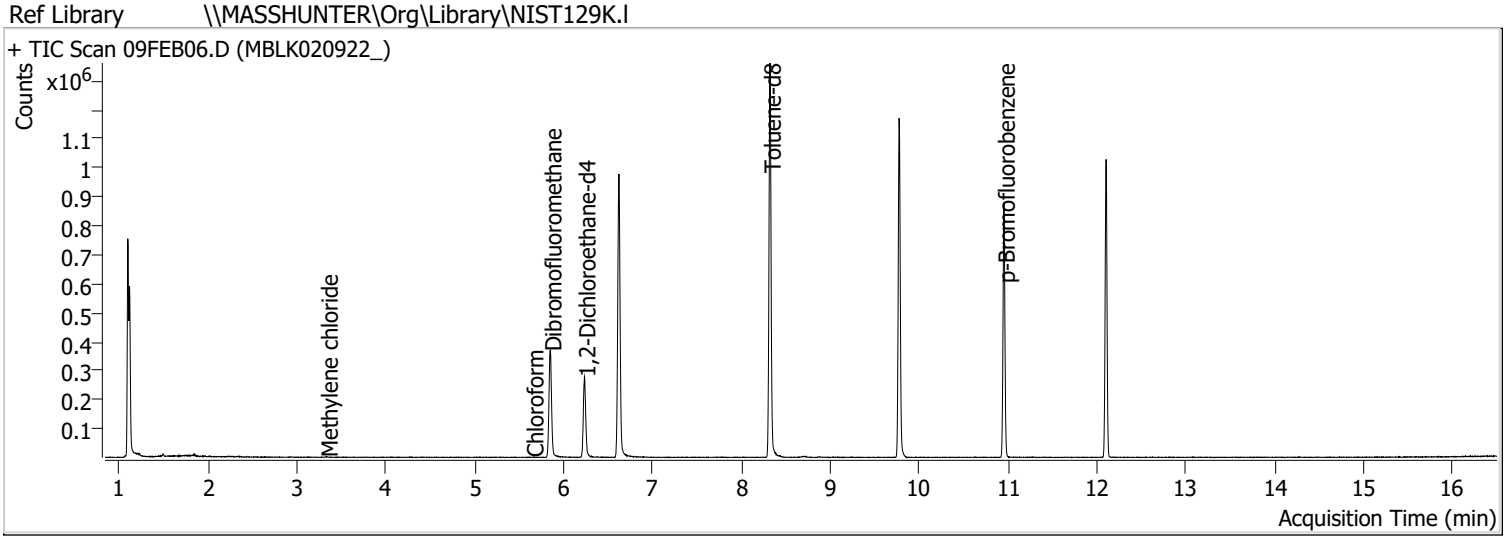






Quantitation Results Report (QT Reviewed)

Data File	09FEB06.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 7:55:46 AM
Sample Name	MBLK020922_	Instrument	VOA5975C
Vial	6	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

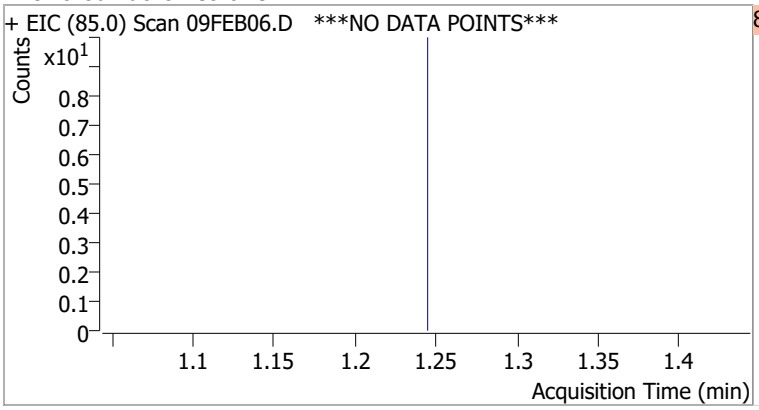


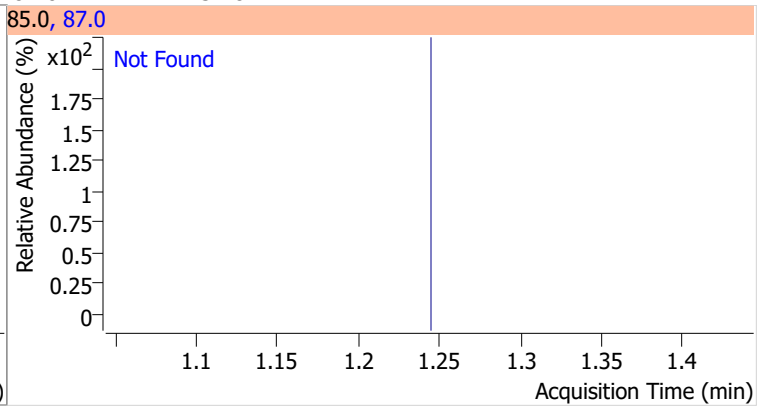
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.621	96.0	829060	250.0000	ng		0.000
M Chlorobenzene-d5	9.772	82.0	323988	250.0000	ng		-0.003
M 1,4-Dichlorobenzene-d4	12.100	152.0	242533	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.851	113.0	223260	278.0280	ng		0.000
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 111.21%			
S 1,2-Dichloroethane-d4	6.233	67.0	97290	280.4713	ng		0.003
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 112.19%			
S Toluene-d8	8.319	98.0	835780	264.4192	ng		0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 105.77%			
S p-Bromofluorobenzene	10.951	95.0	239328	267.2598	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 106.90%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	0.000		0	N.D.			
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.336	49.0	1381	1.1394	ng	m	91
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	5.647	83.0	686	0.4261	ng	m	66

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	8.375	92.0	0		ng	md	1
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	0.000		0	N.D.			
T o-Xylene	0.000		0	N.D.			
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

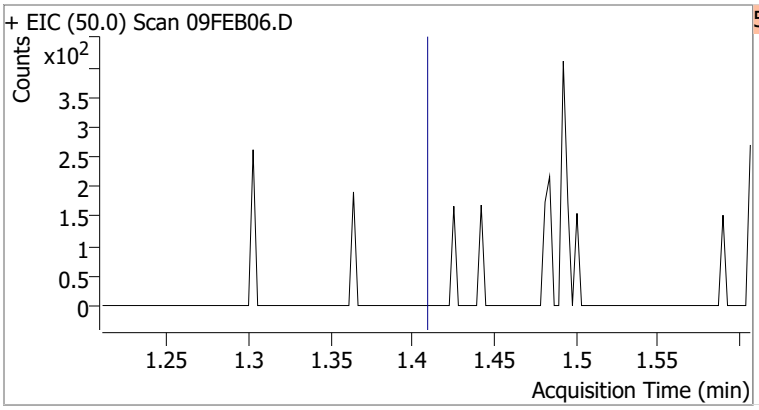
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

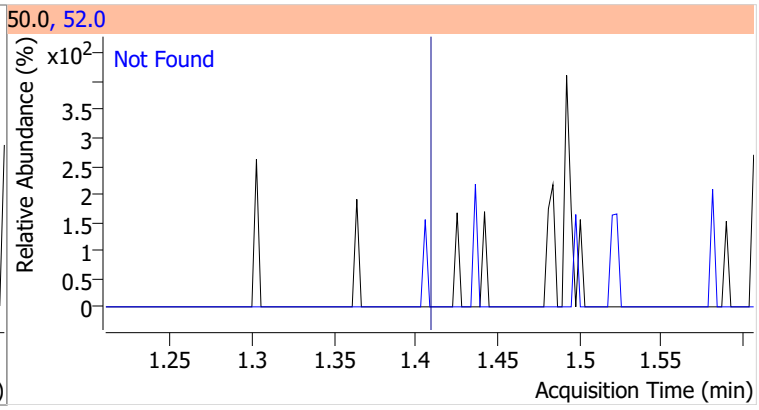
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8



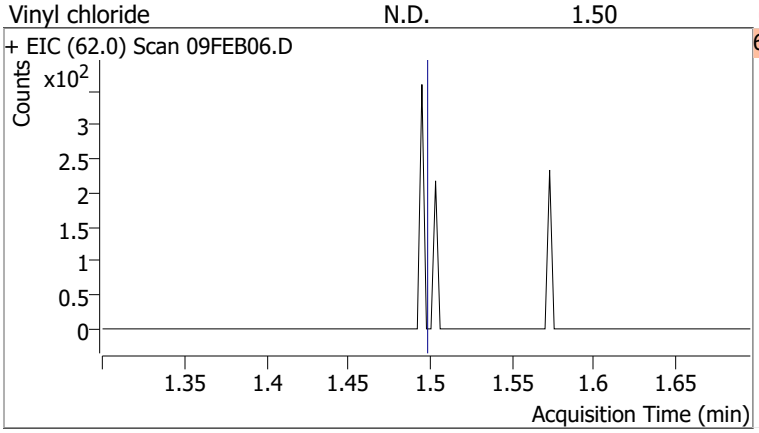


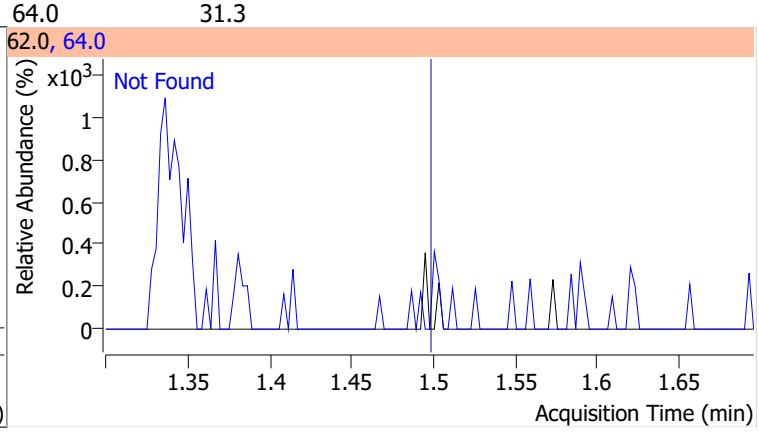
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloromethane	N.D.	1.41	52.0	32.4



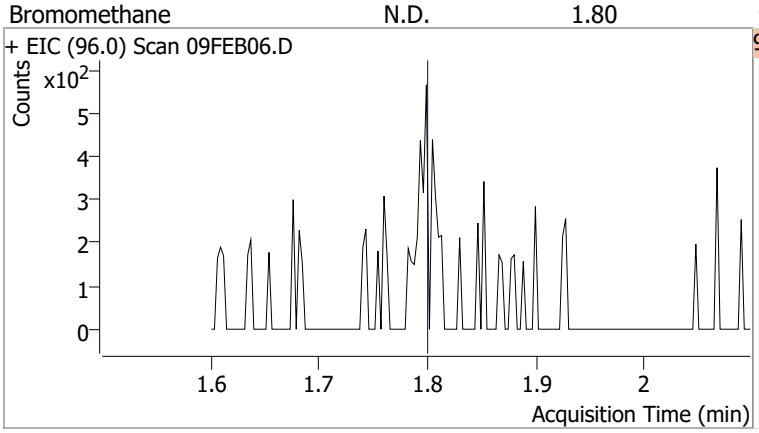


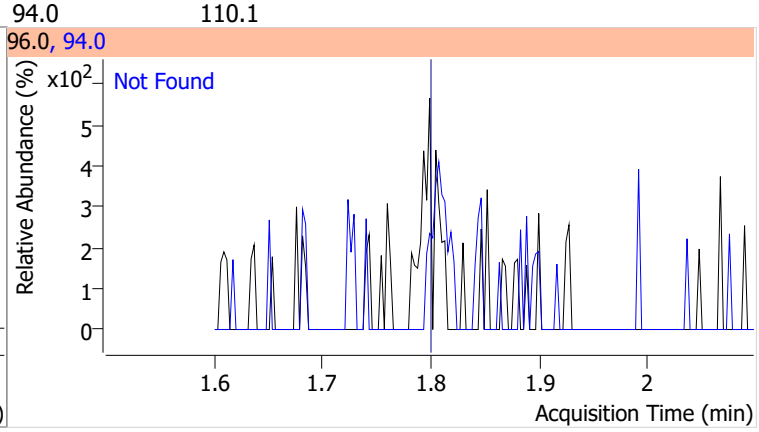
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



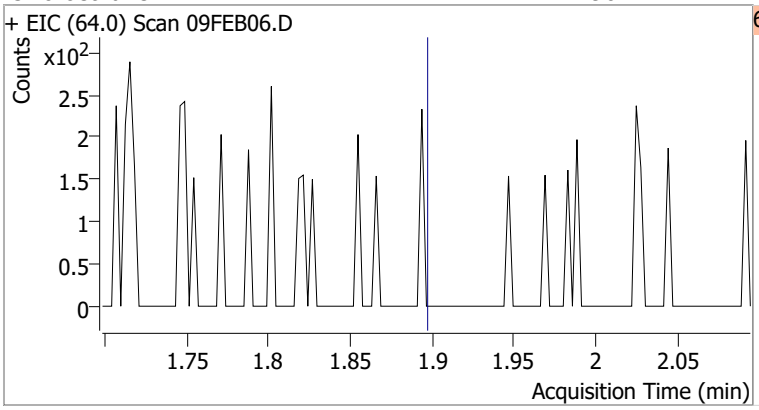


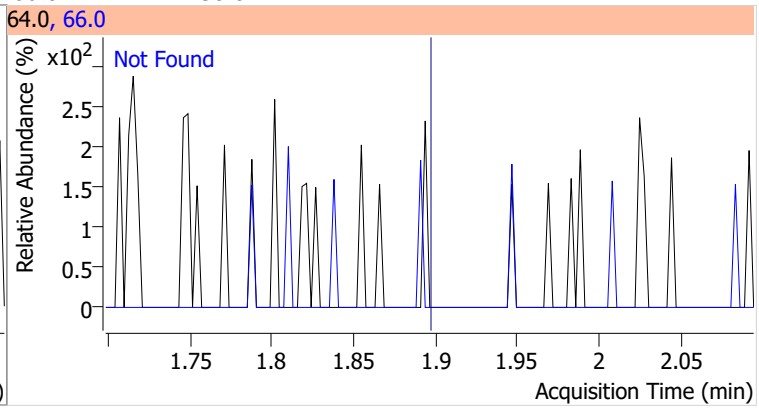
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



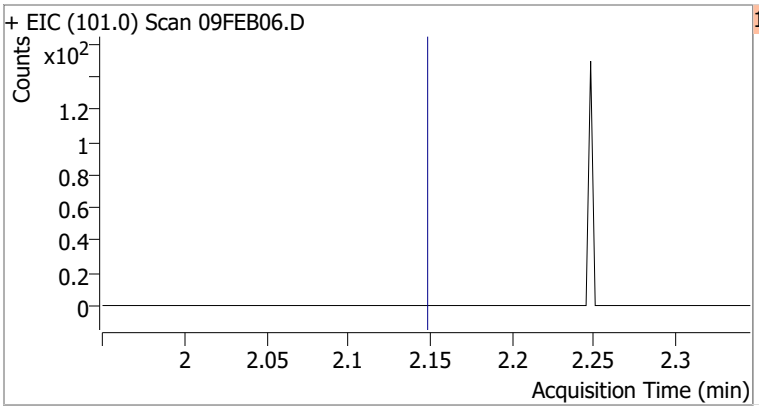


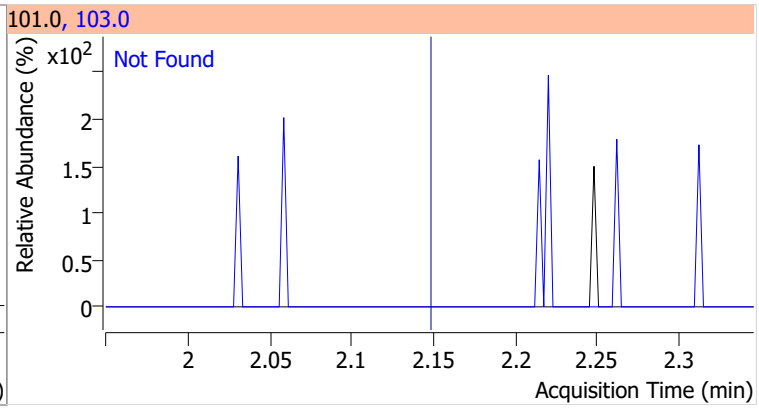
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



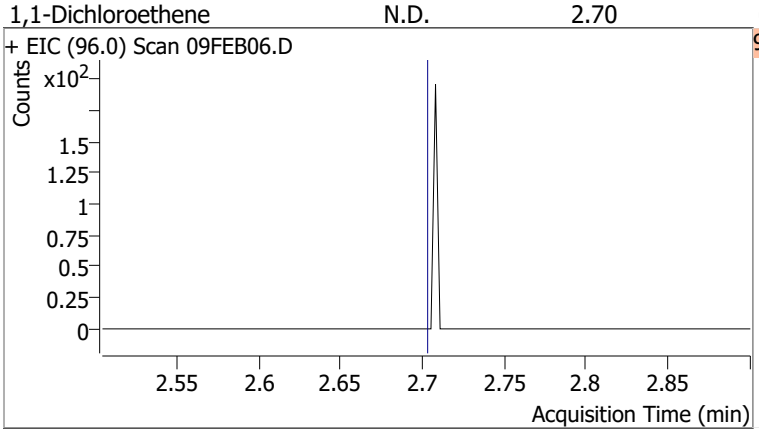


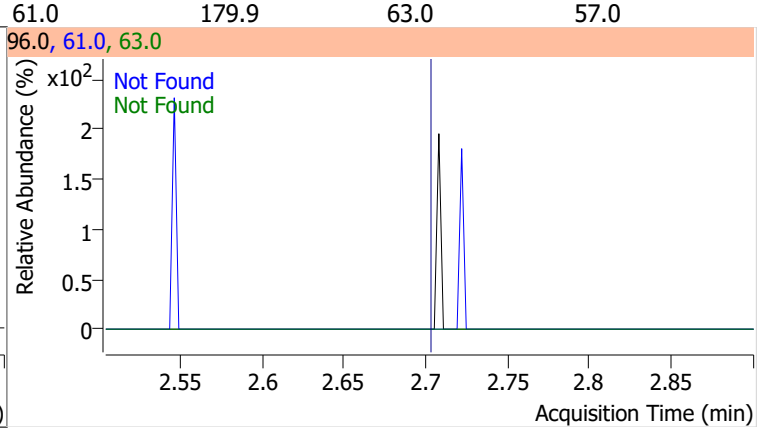
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



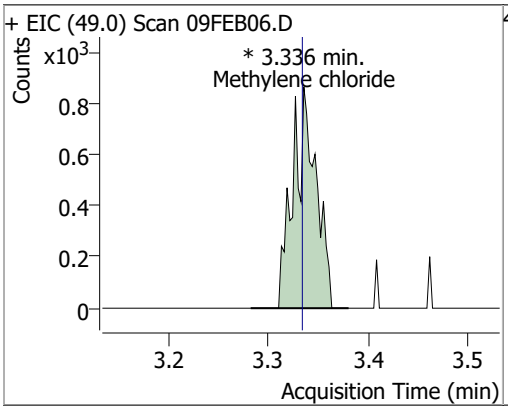


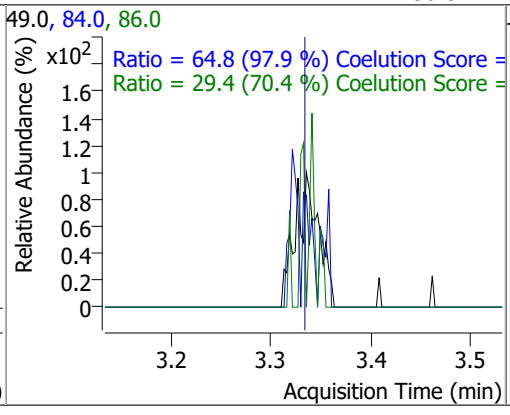
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

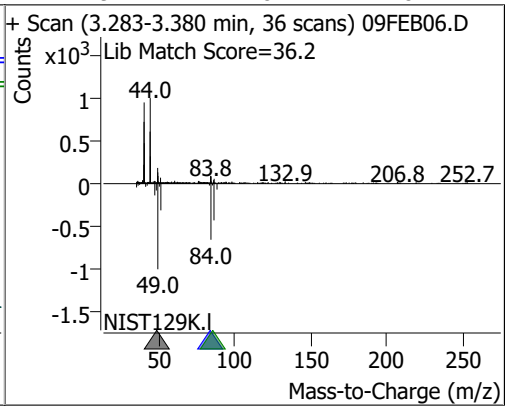




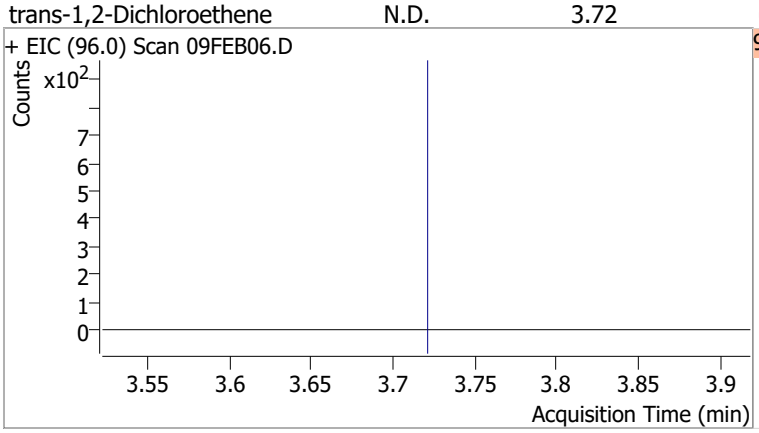
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	1.1394	3.34	0.00	1381 (m)	84.0	64.8	36.1	96.1
					86.0	29.4	11.8	71.8

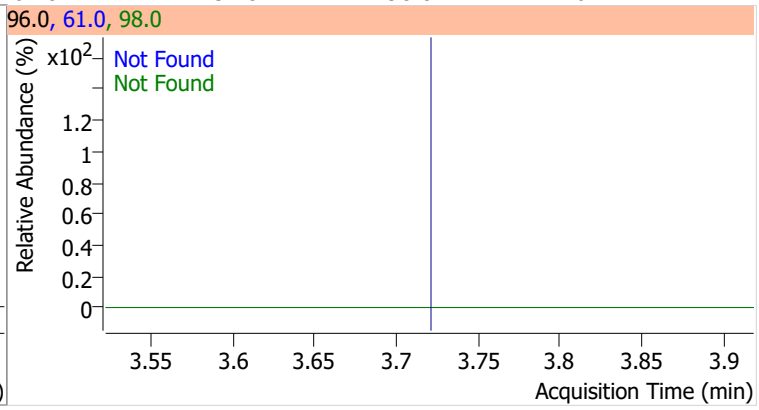




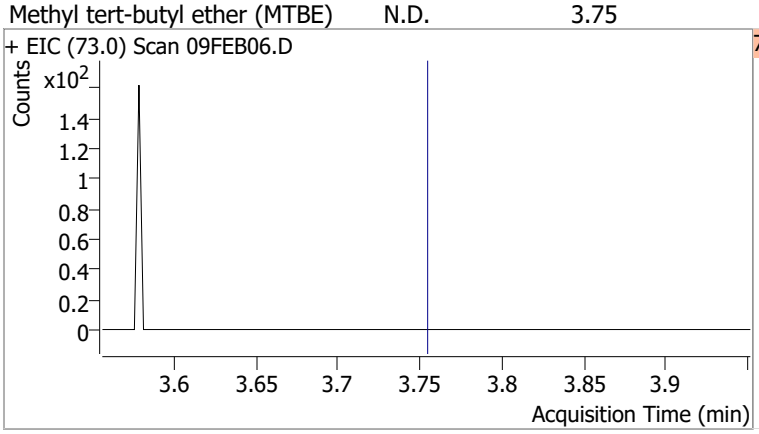


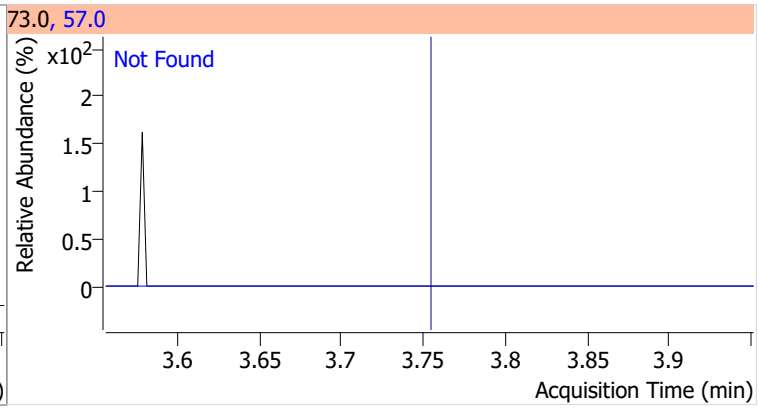
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



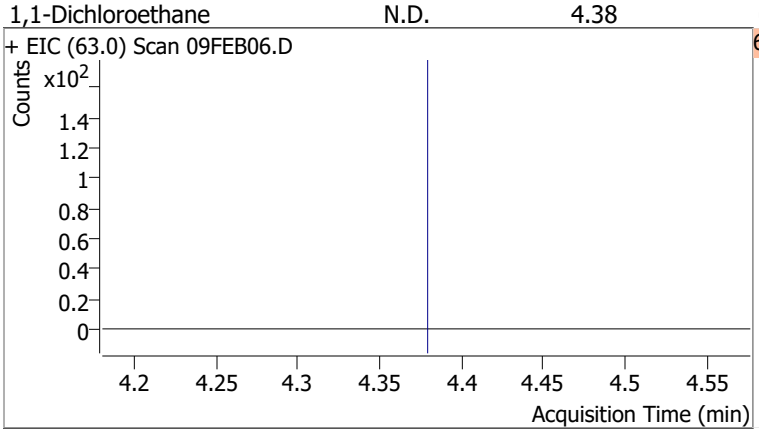


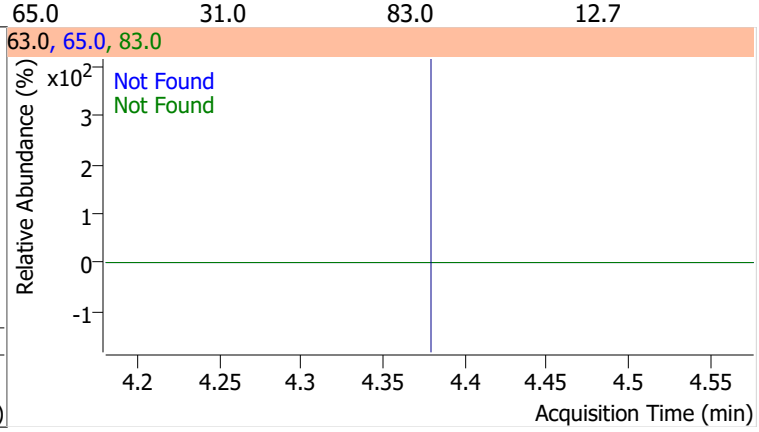
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



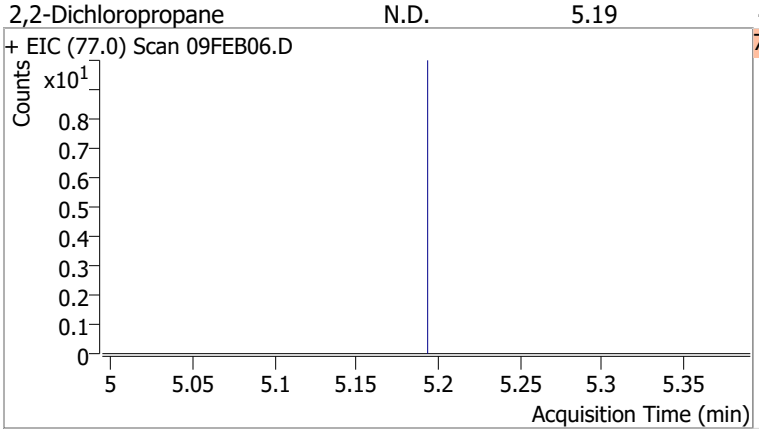


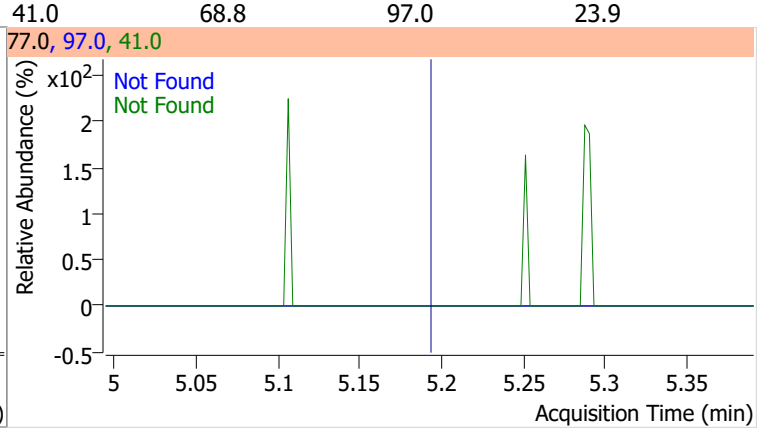
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



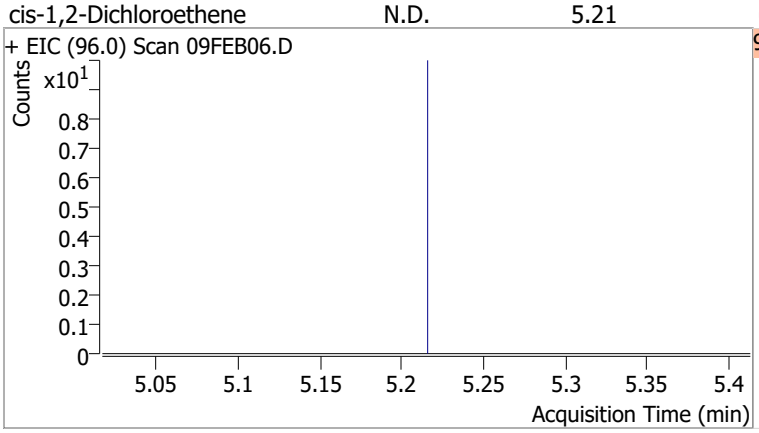


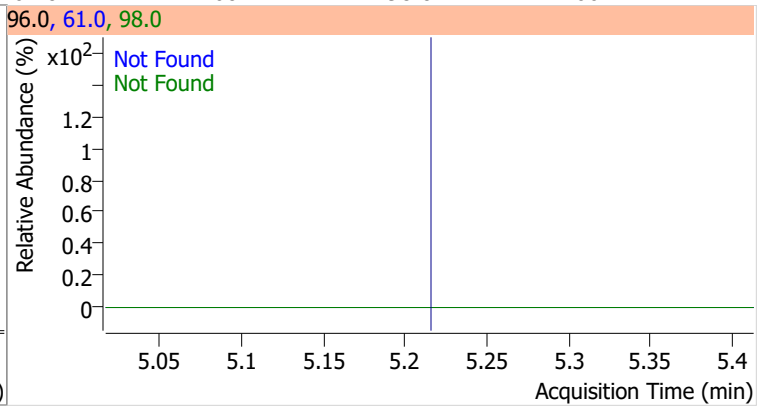
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



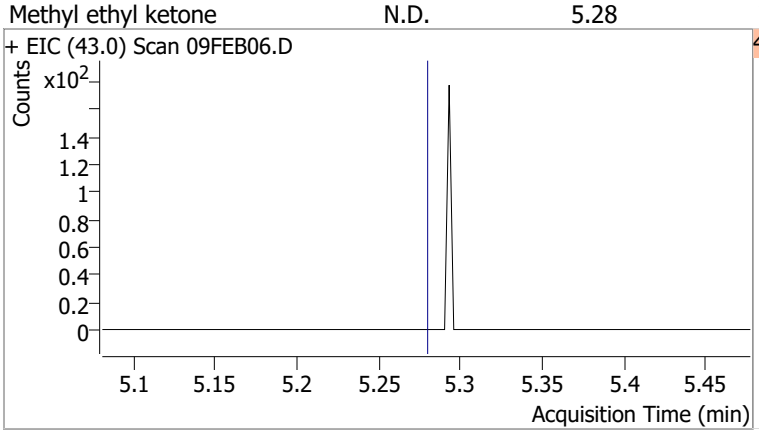


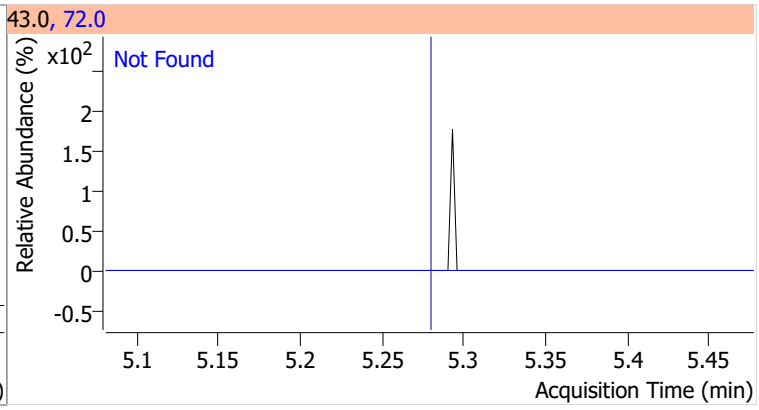
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



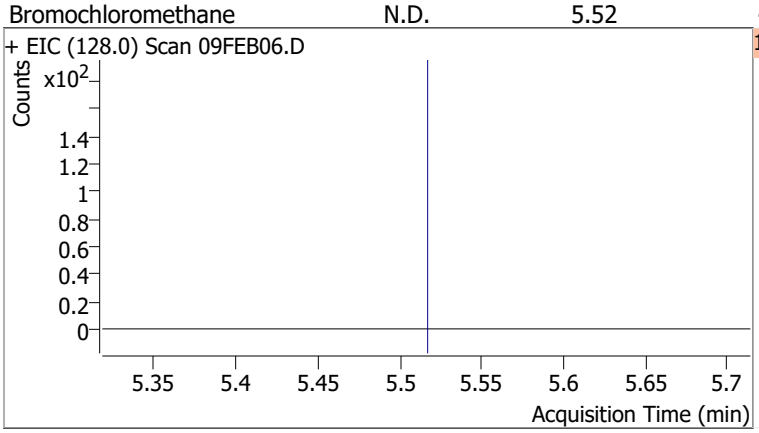


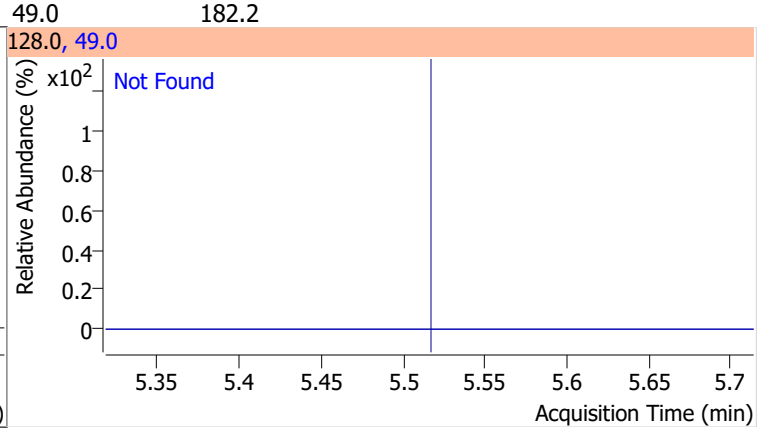
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



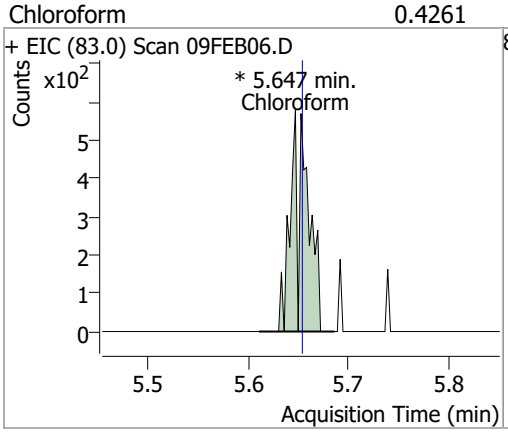


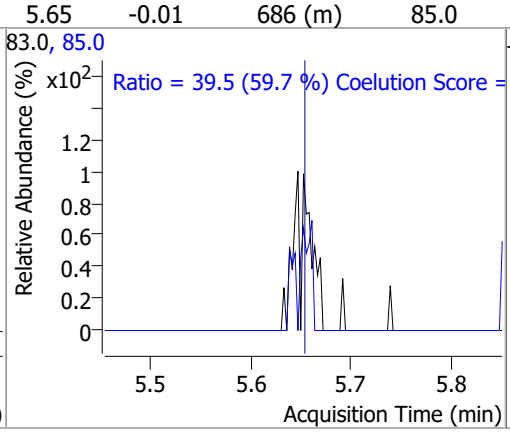
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2

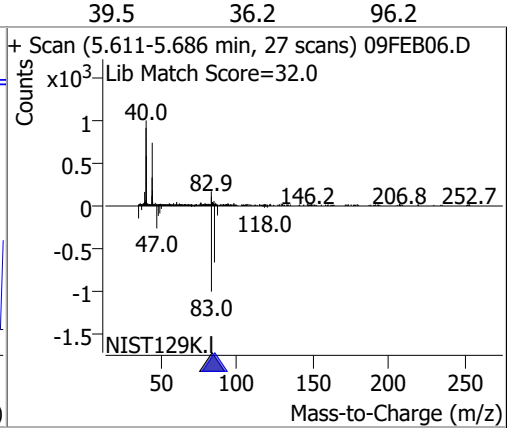




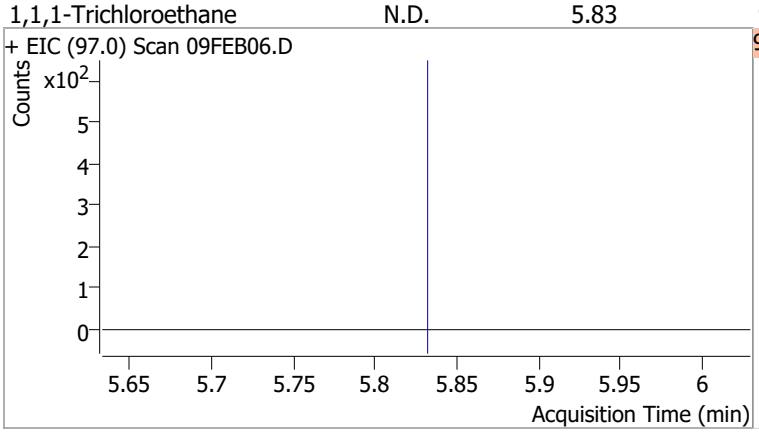
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	0.4261	5.65	-0.01	686 (m)	85.0	39.5	36.2	96.2

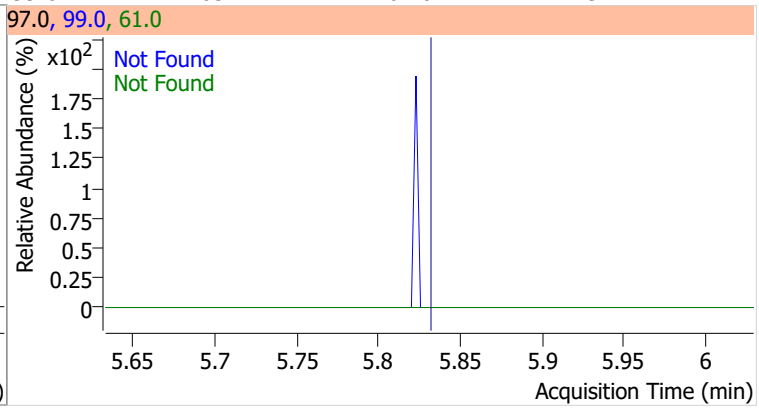




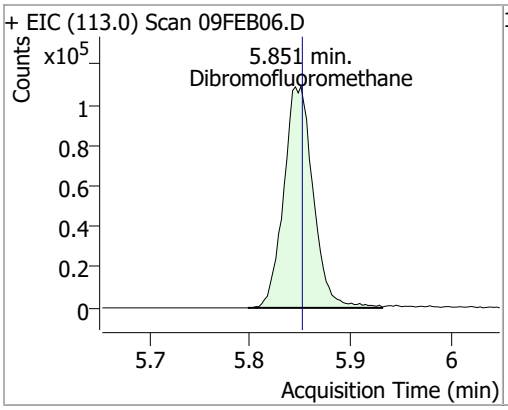


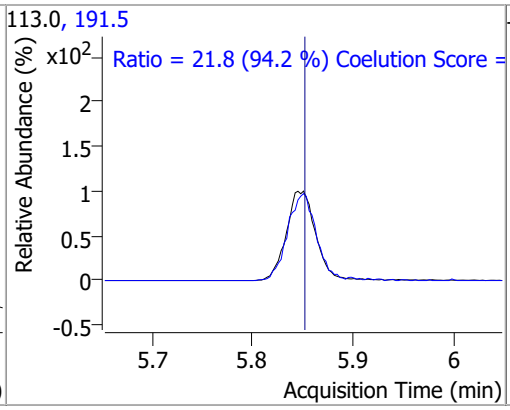
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

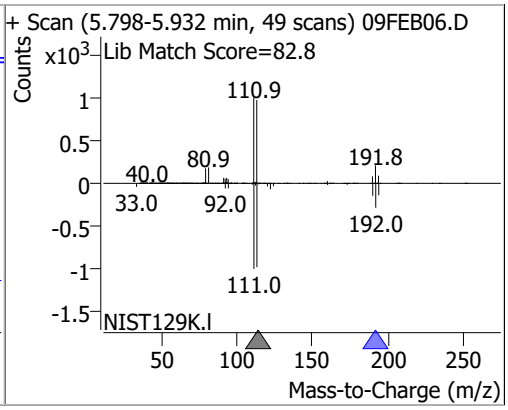




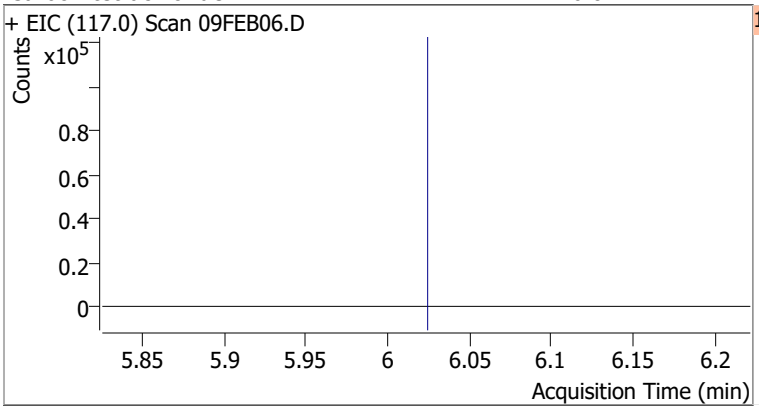
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	278.0280	5.85	0.00	223260	191.5	21.8	0.0	53.2

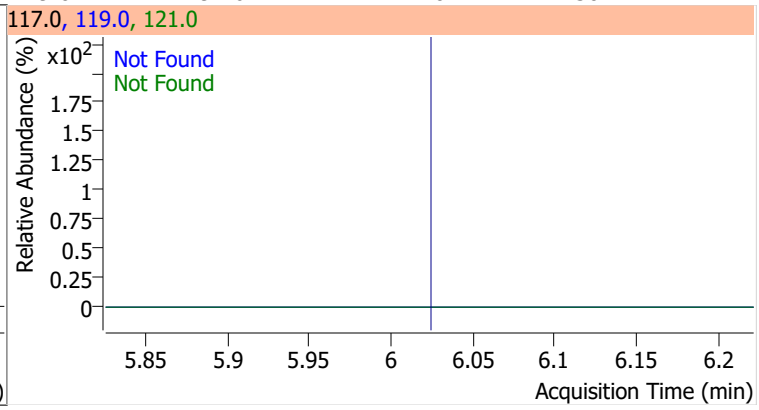




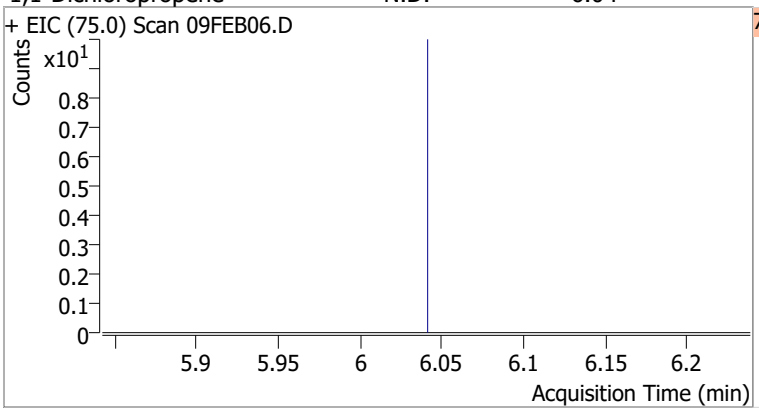


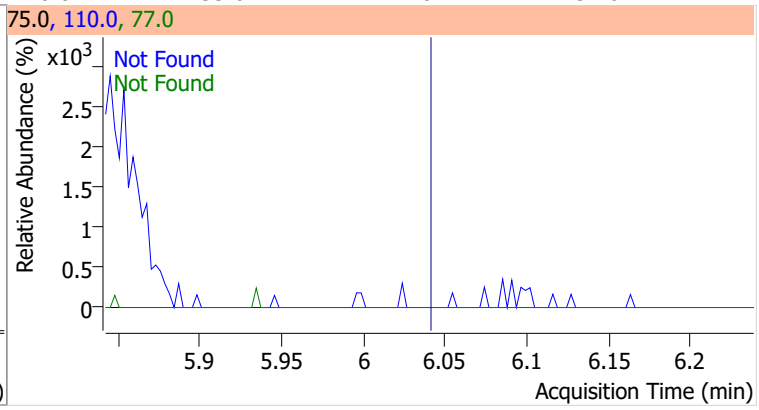
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7





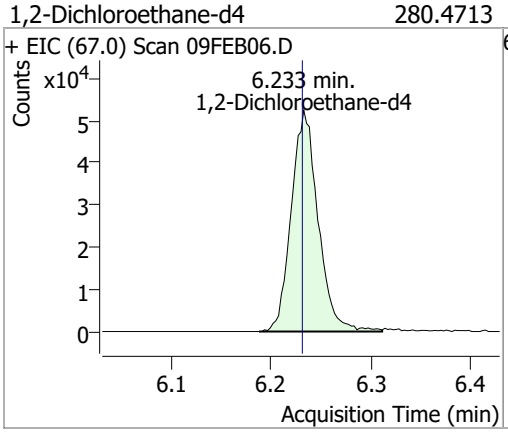
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

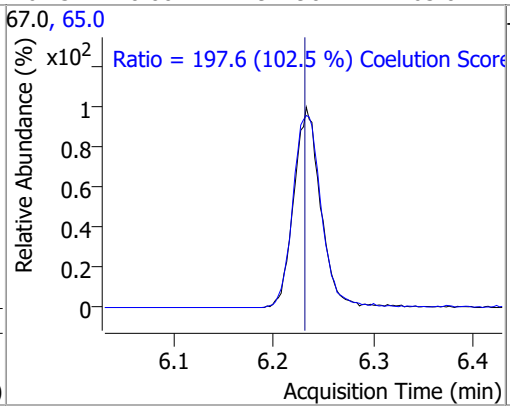


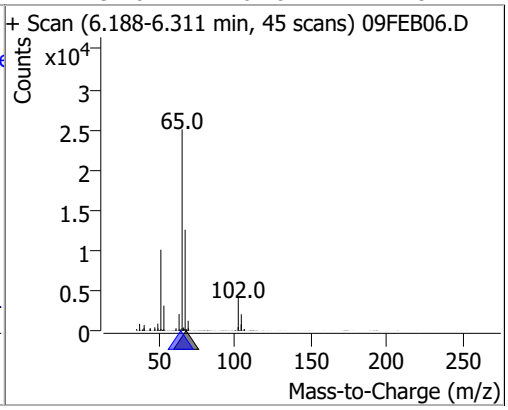


Quantitation Results Report (QT Reviewed)

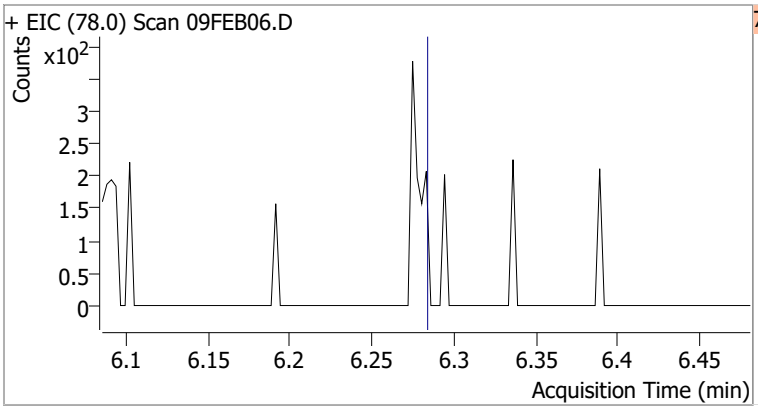
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	280.4713	6.23	0.00	97290	65.0	197.6	162.8	222.8

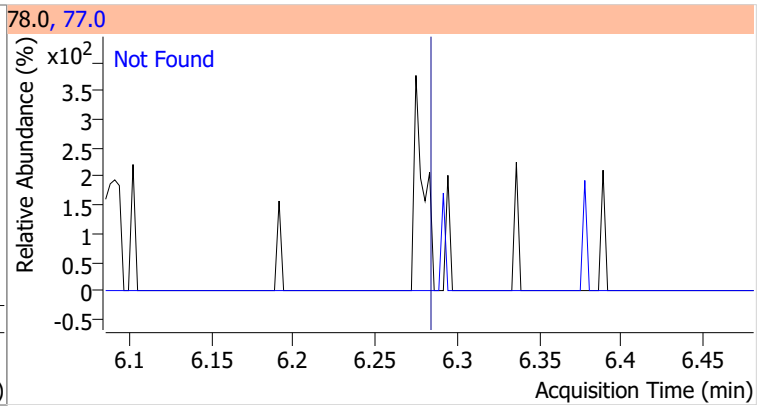




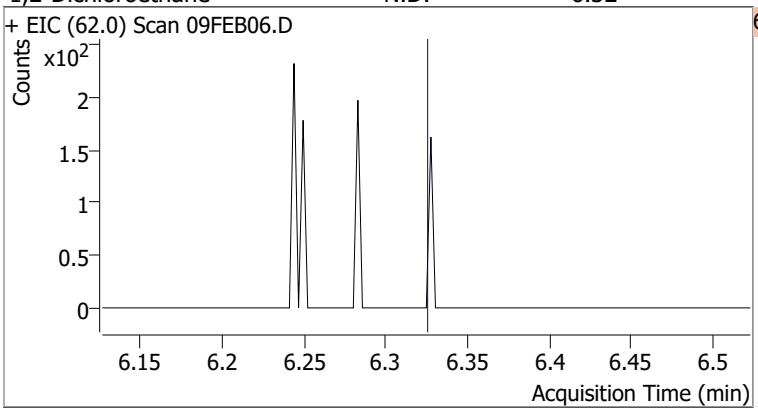


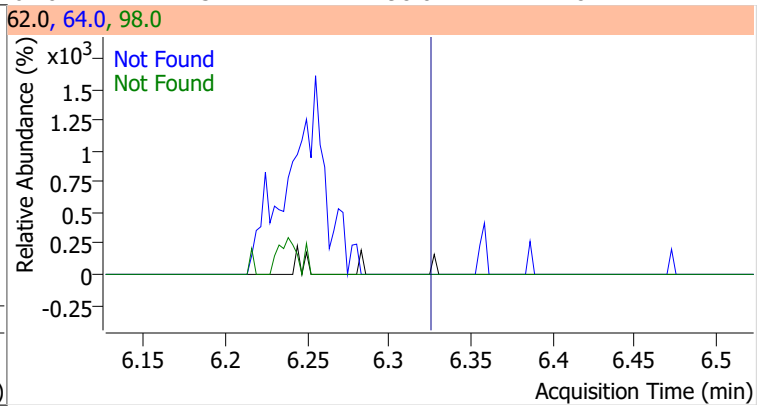
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



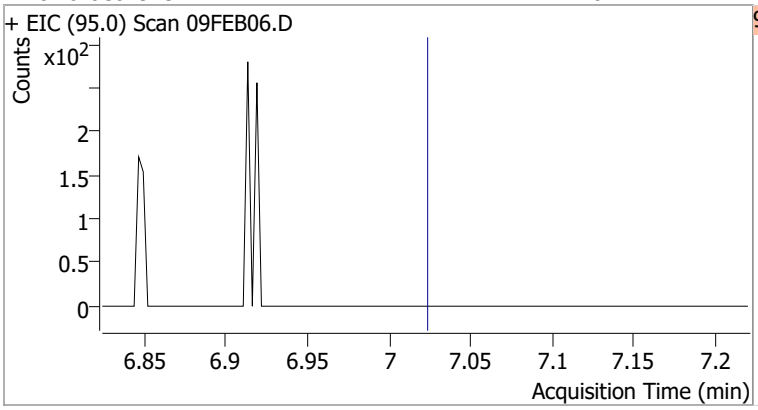


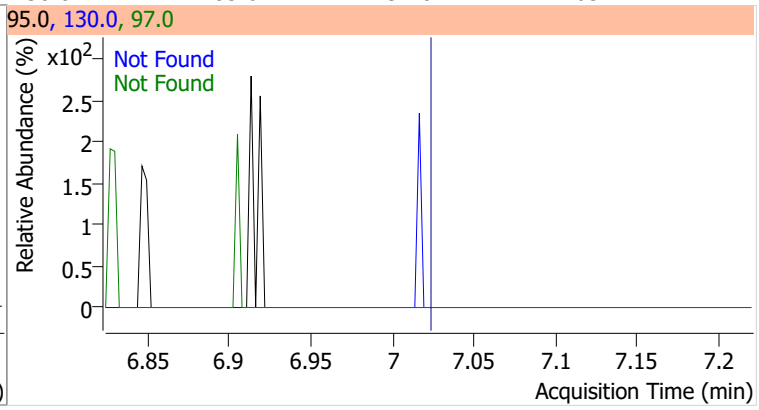
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



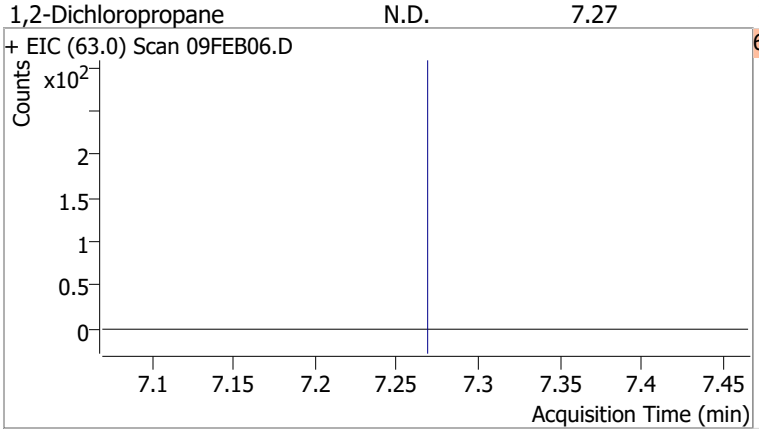


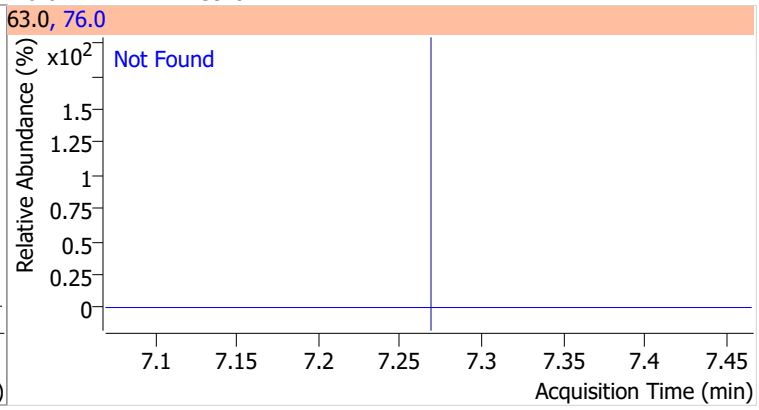
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



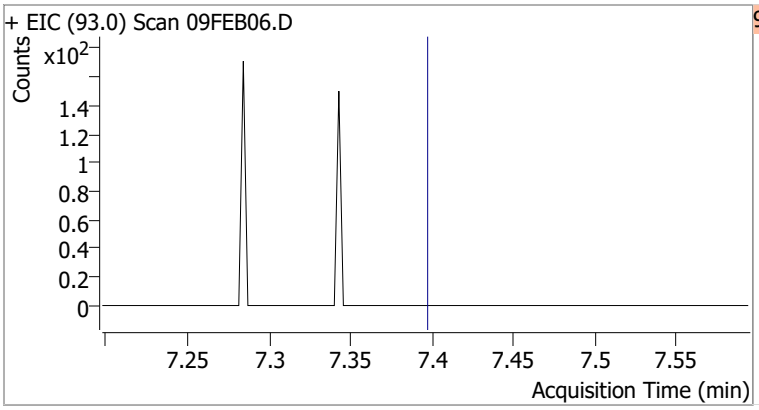


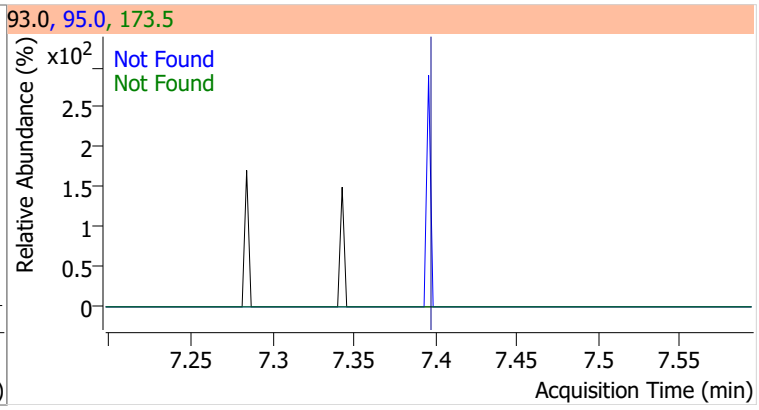
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



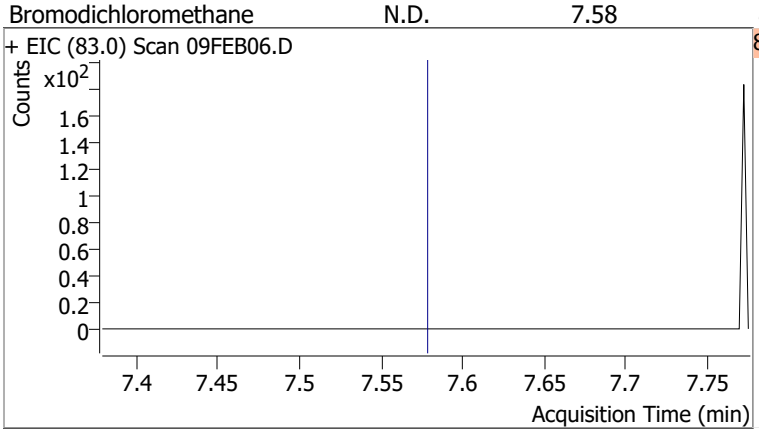


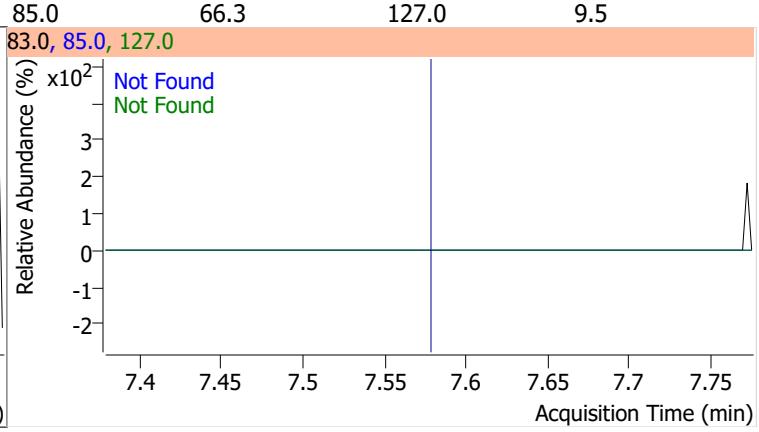
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



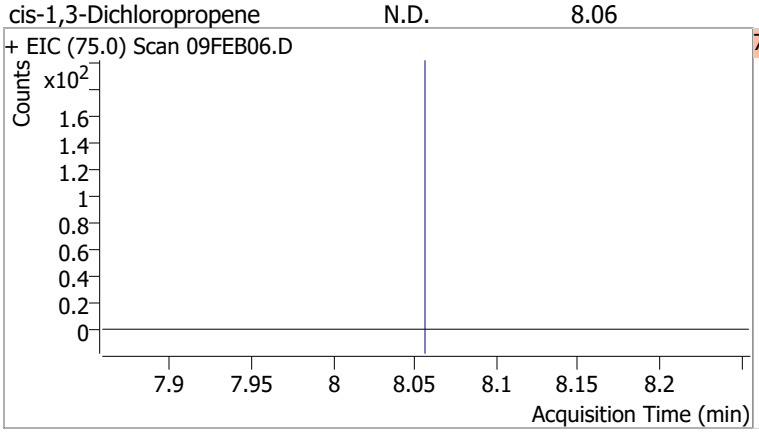


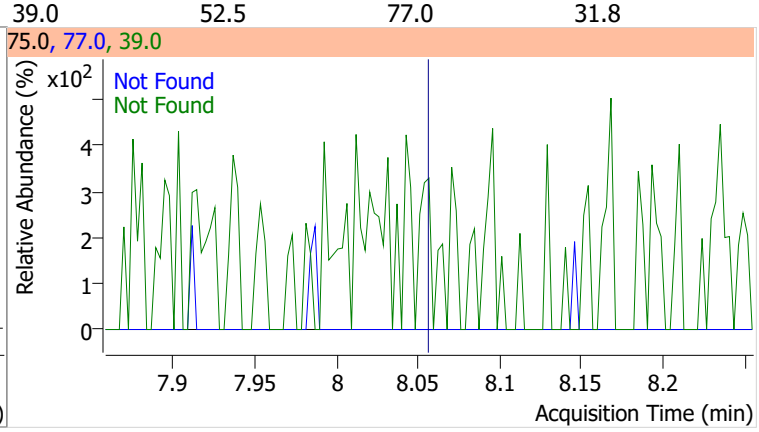
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



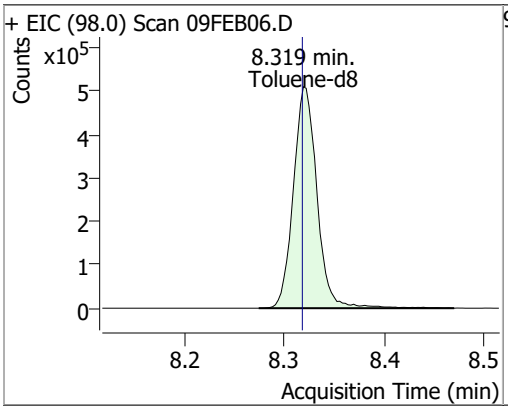


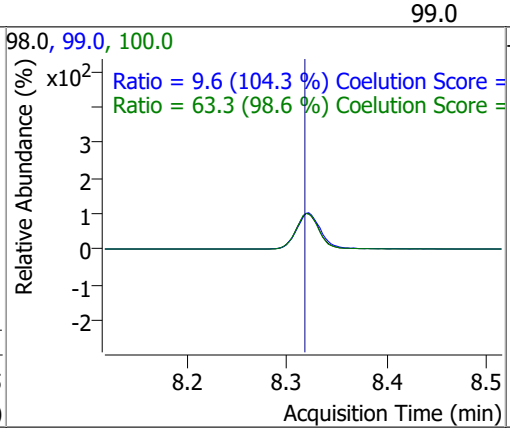
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

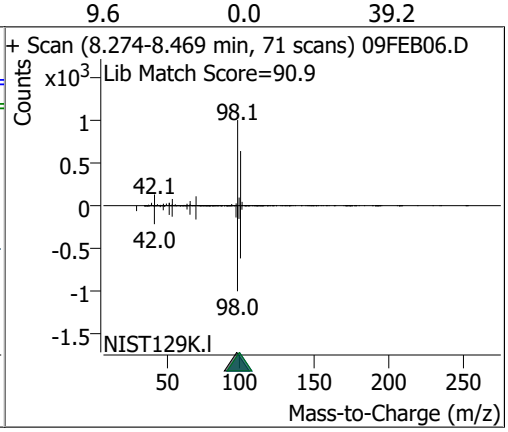




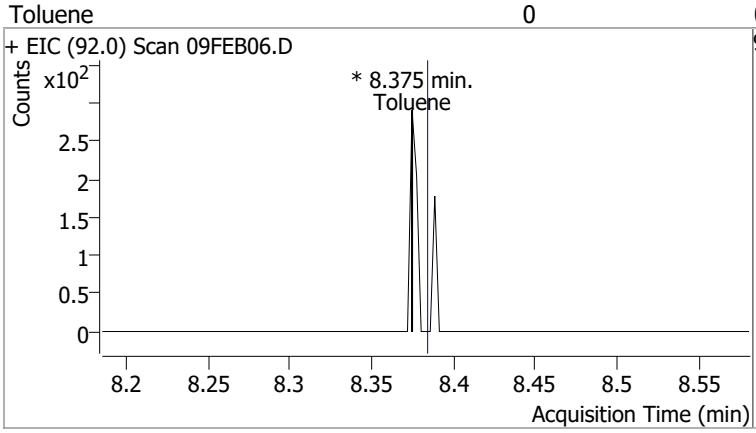
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	264.4192	8.32	0.00	835780	100.0	63.3	34.3	94.3
					99.0	9.6	0.0	39.2

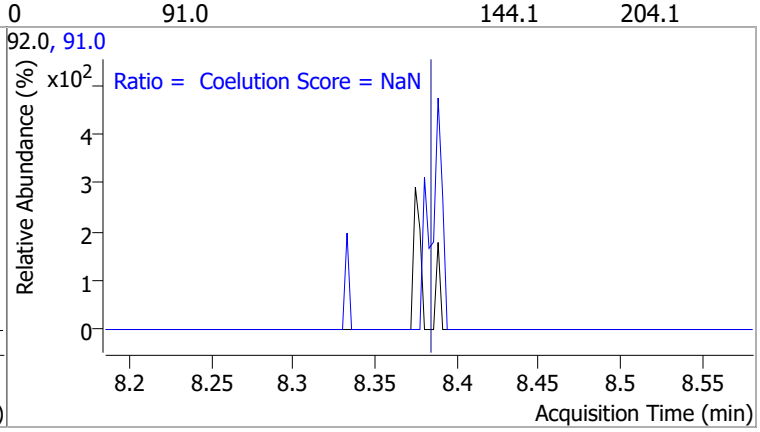




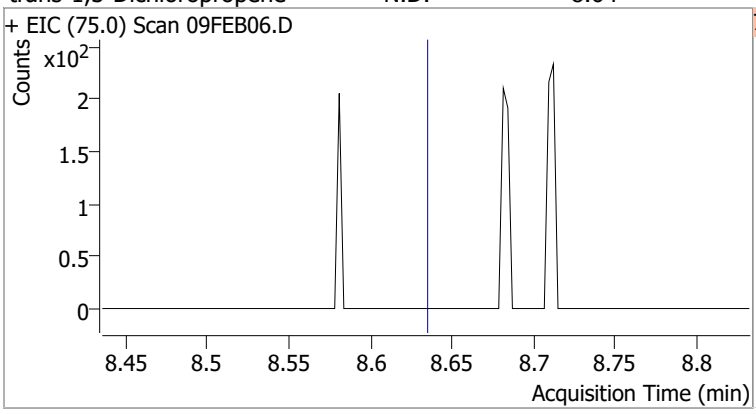


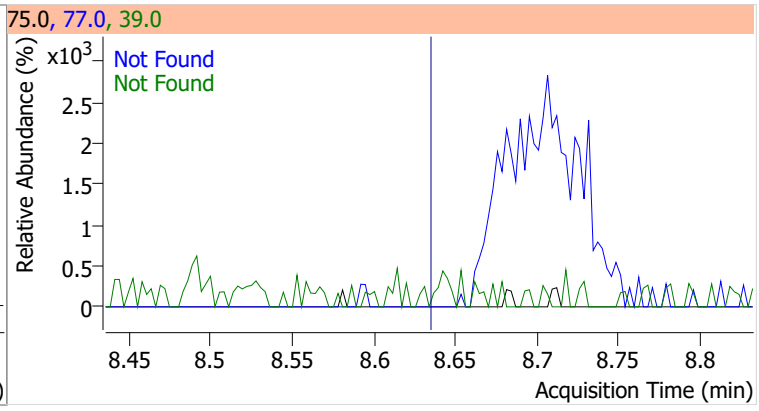
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene		0		0	91.0		144.1	204.1



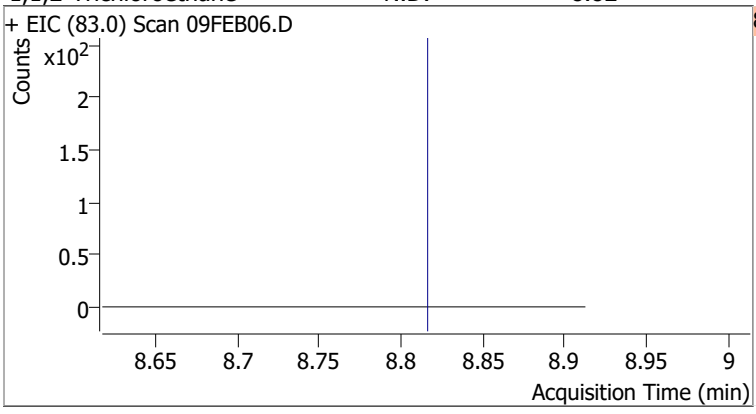


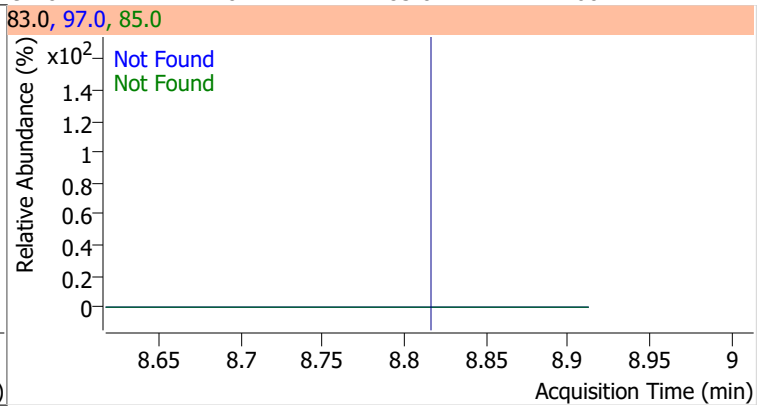
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



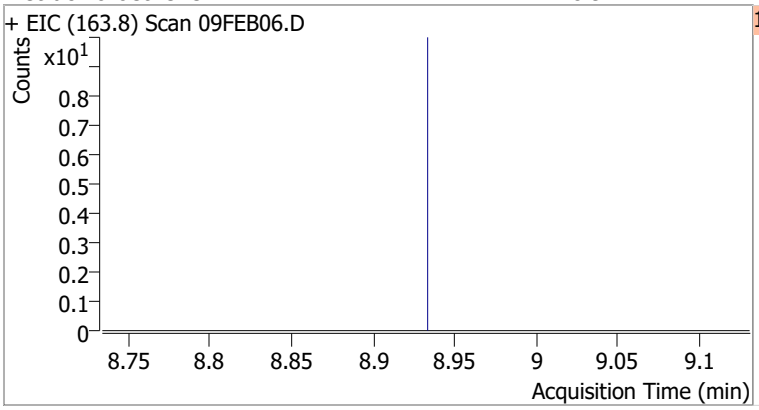


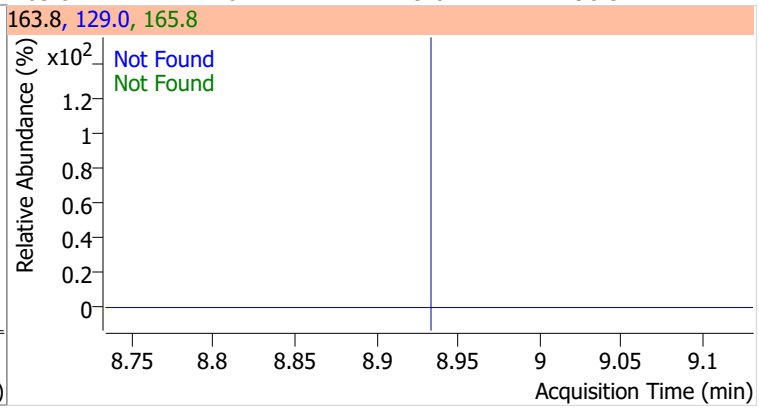
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



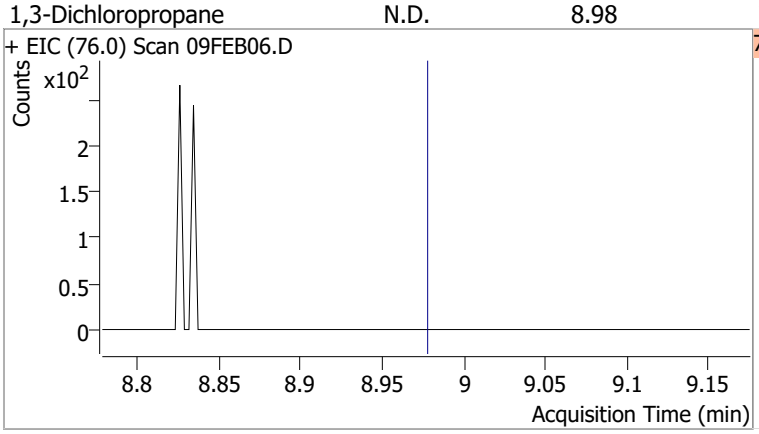


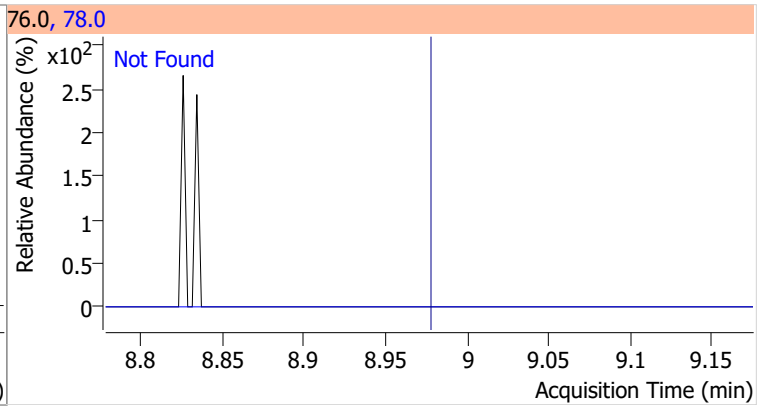
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



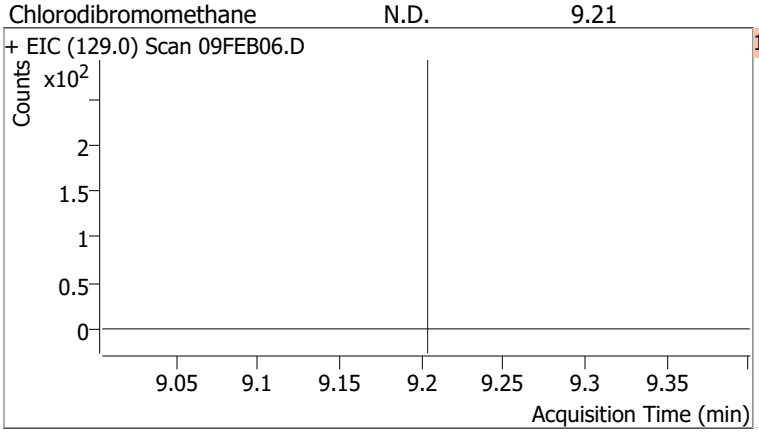


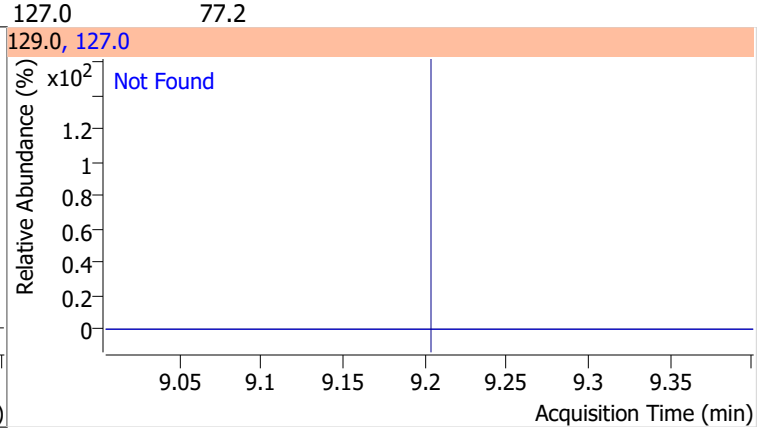
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



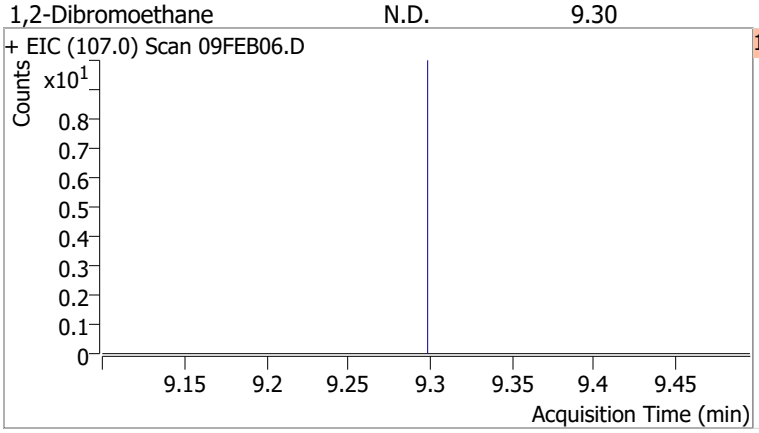


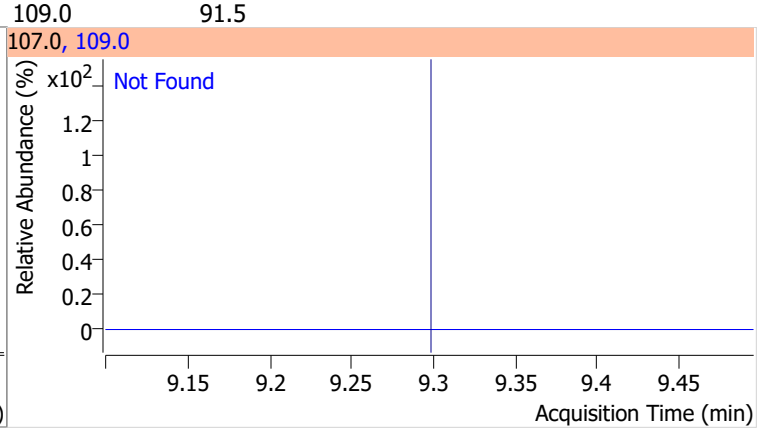
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



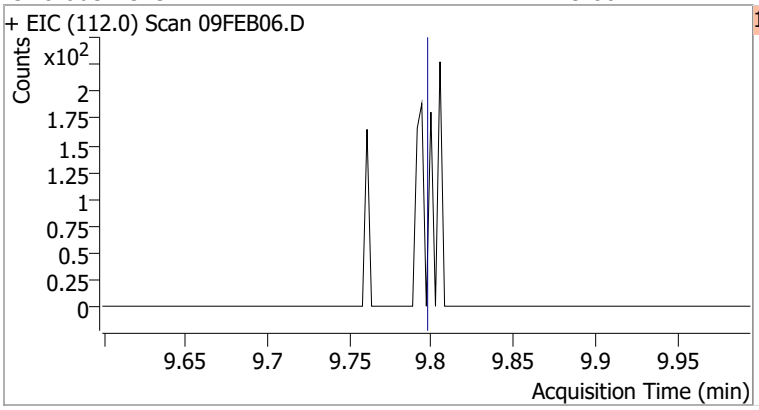


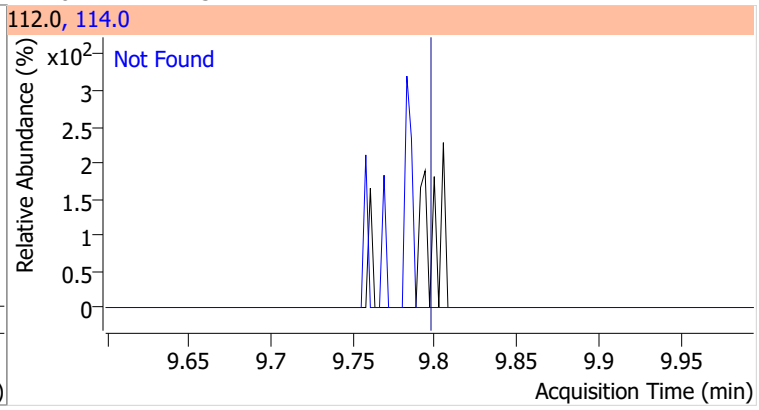
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



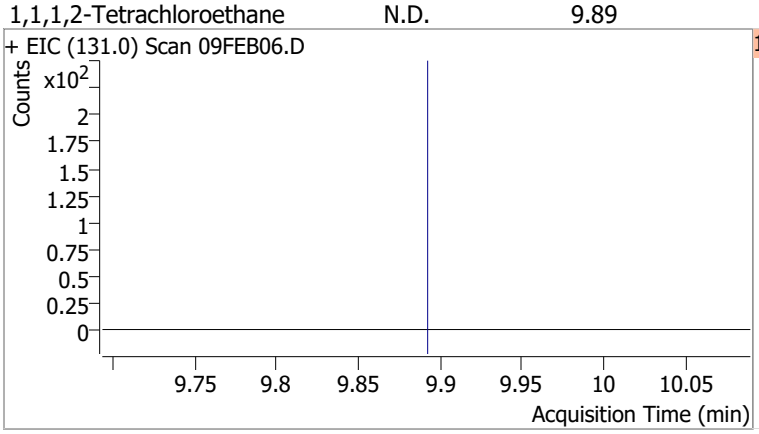


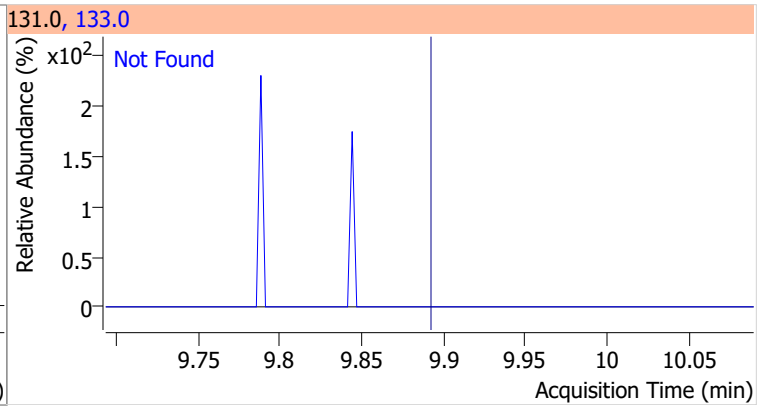
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



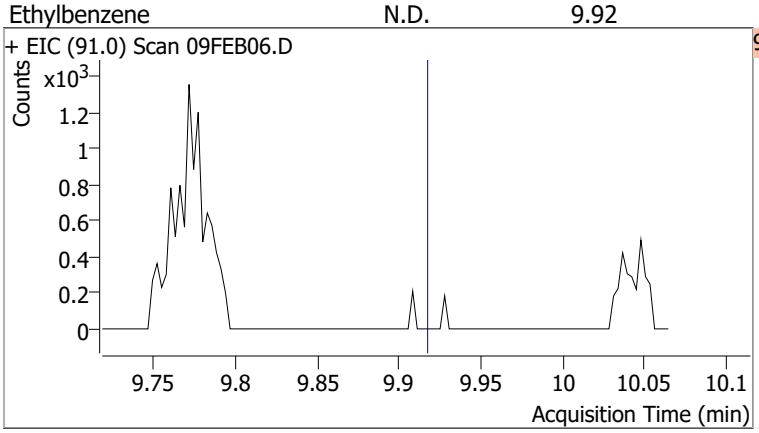


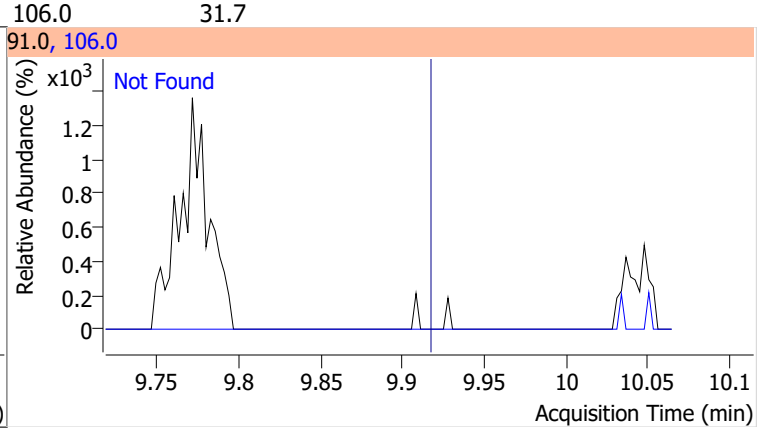
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



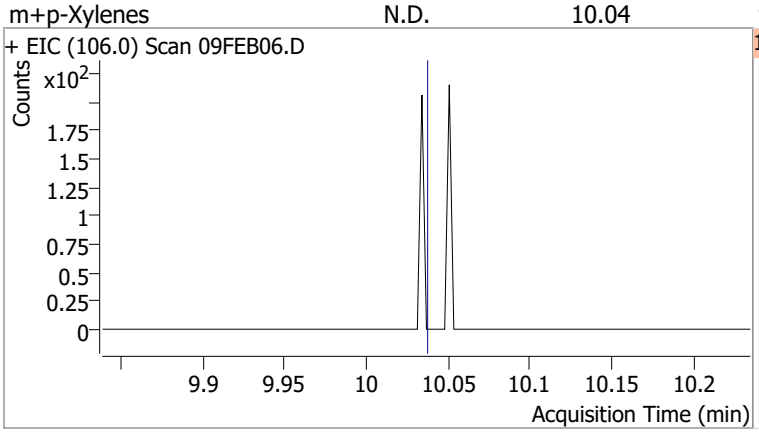


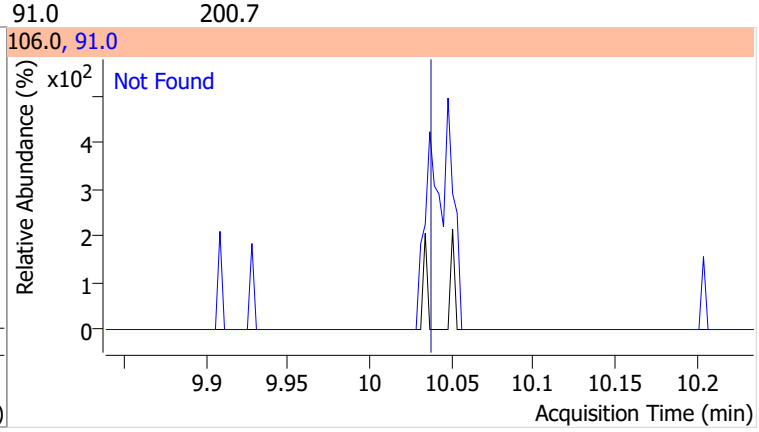
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



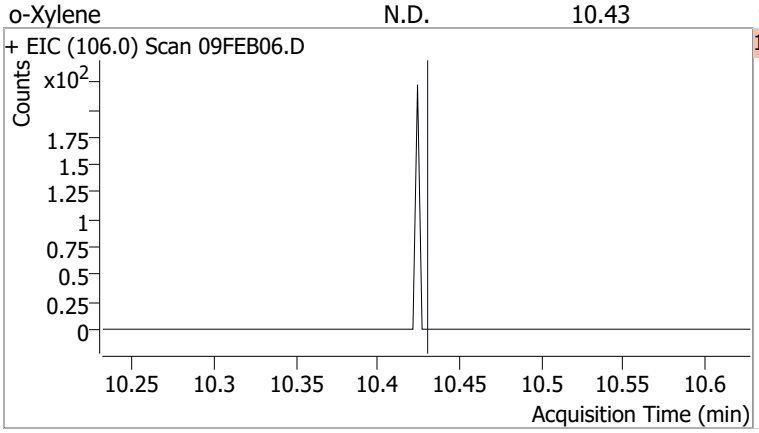


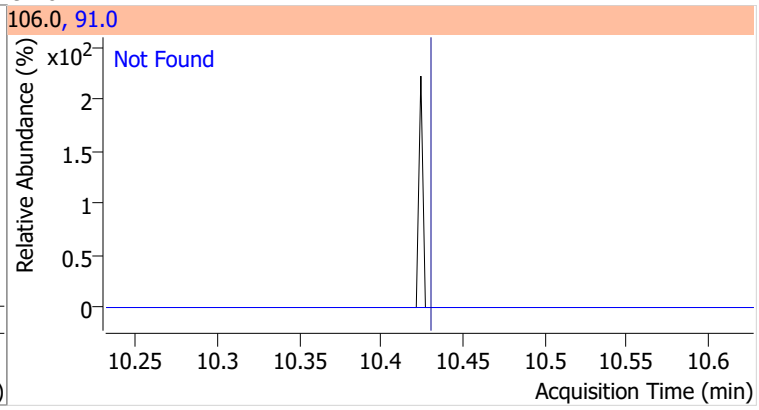
Compound	Conc.	Exp RT	QIon	Exp Ratio
m+p-Xylenes	N.D.	10.04	91.0	200.7



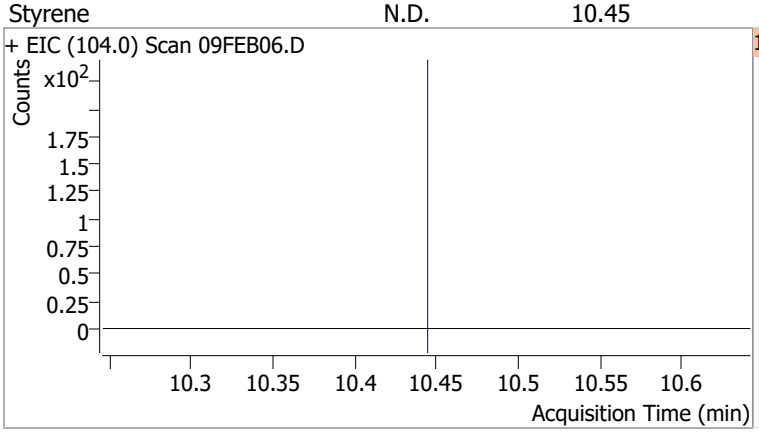


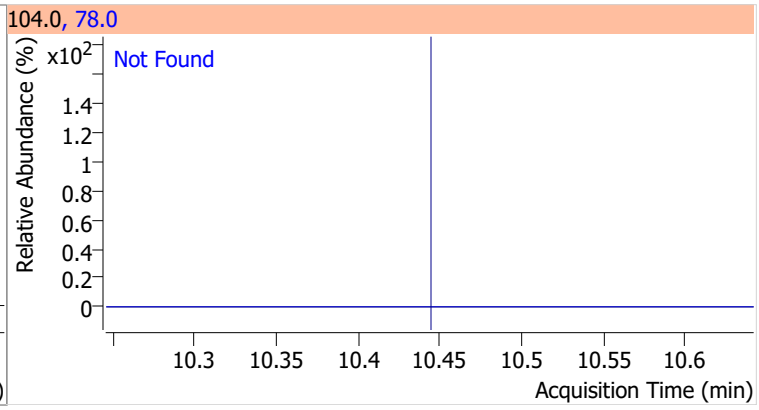
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



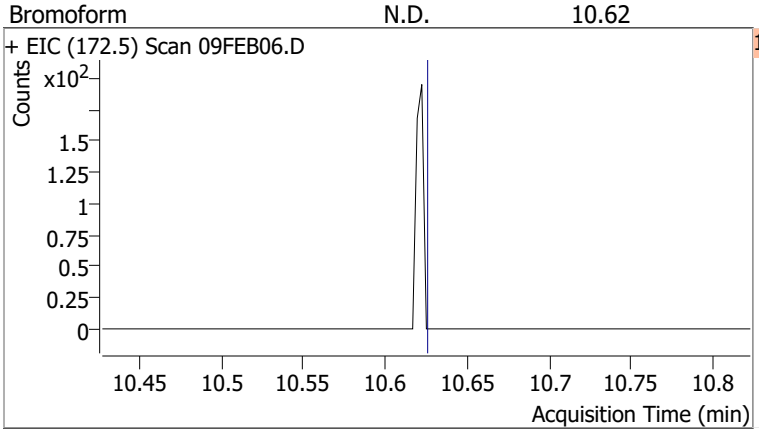


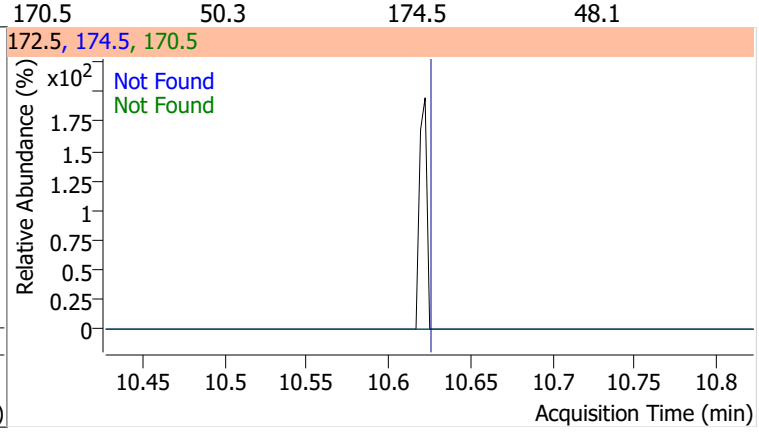
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



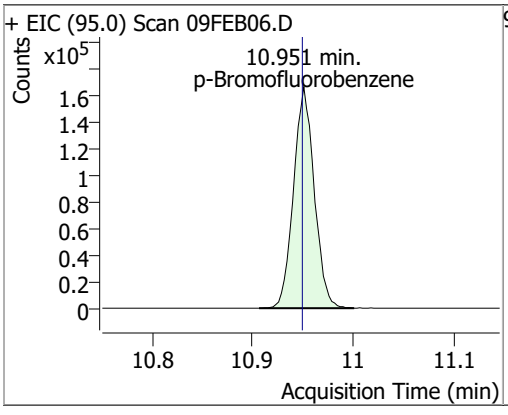


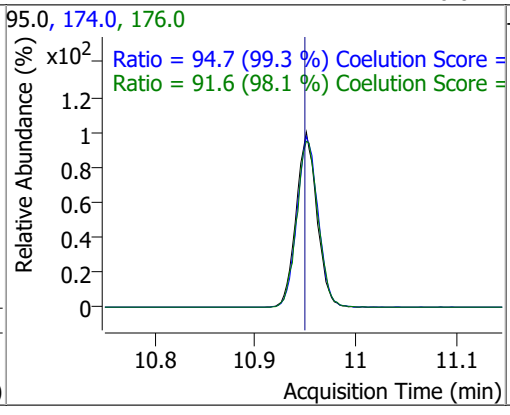
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

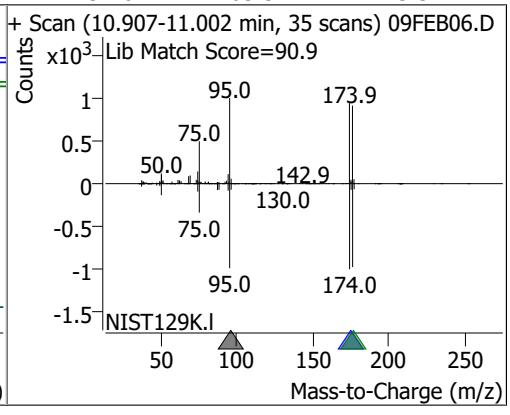




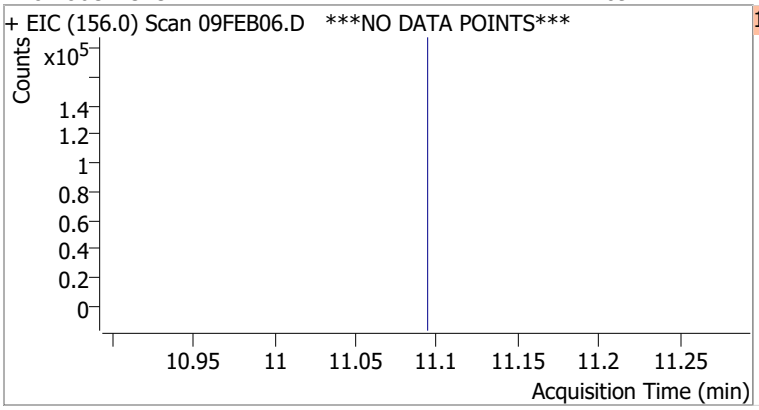
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	267.2598	10.95	0.00	239328	174.0	94.7	65.3	125.3
					176.0	91.6	63.3	123.3

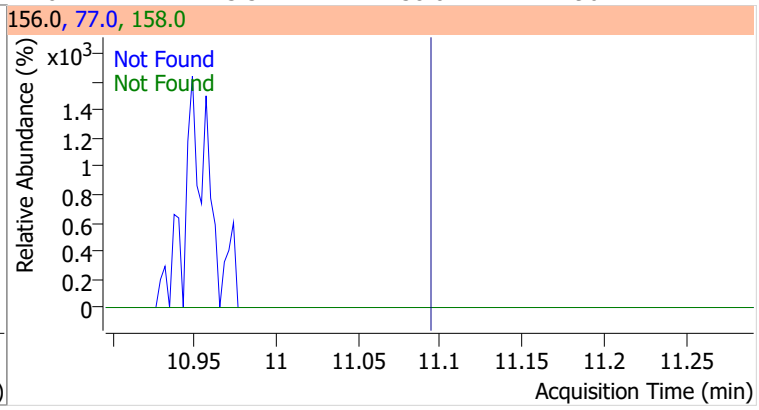




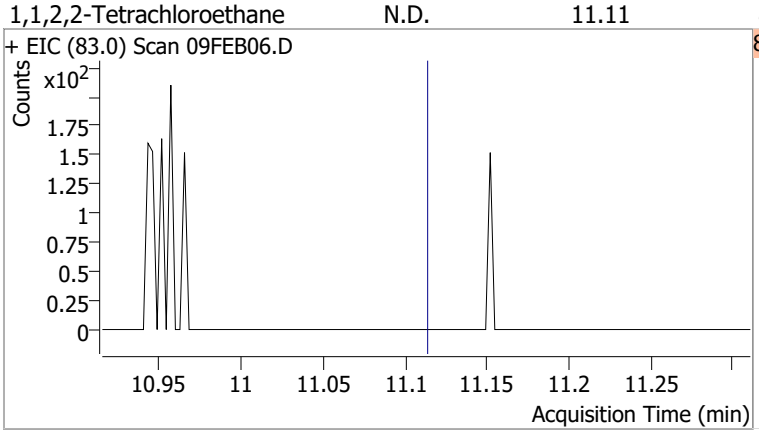


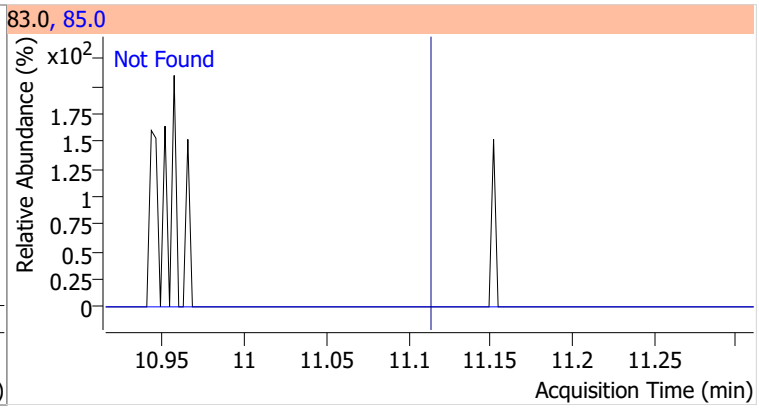
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



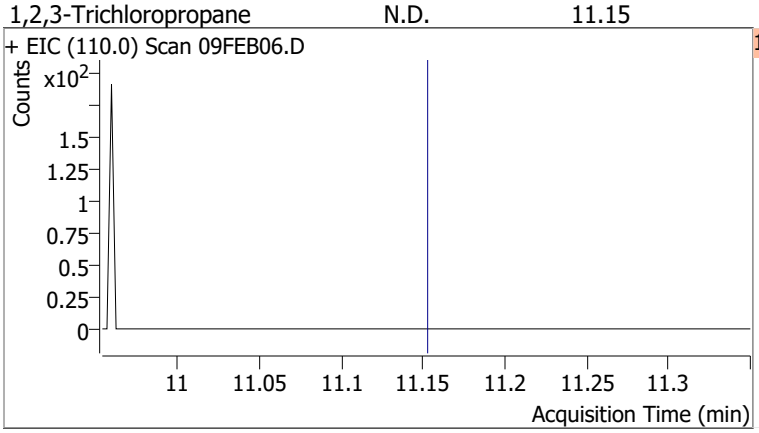


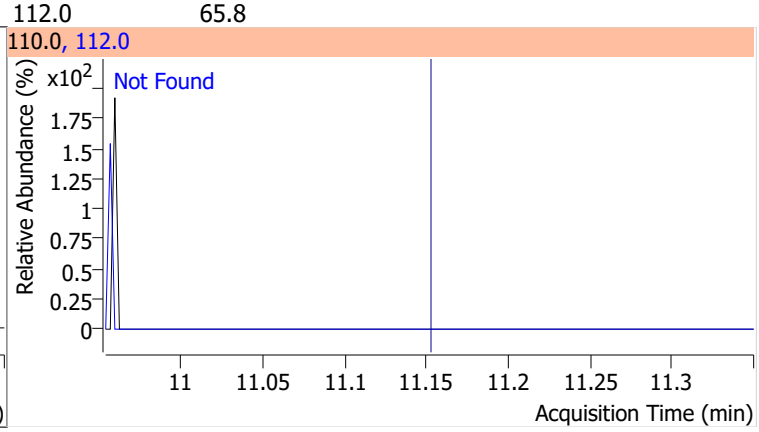
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



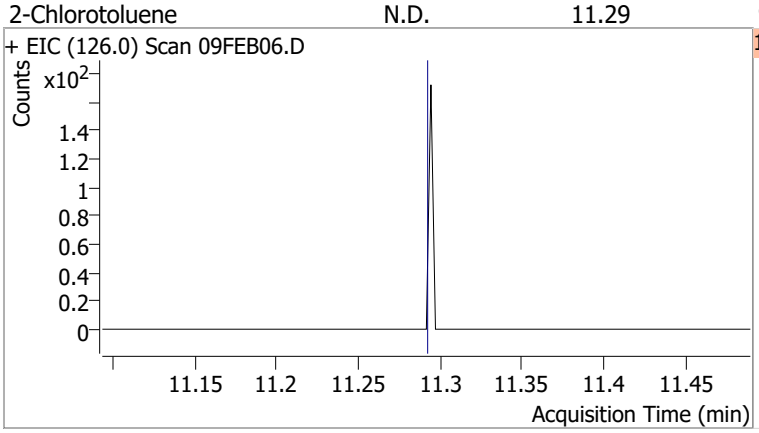


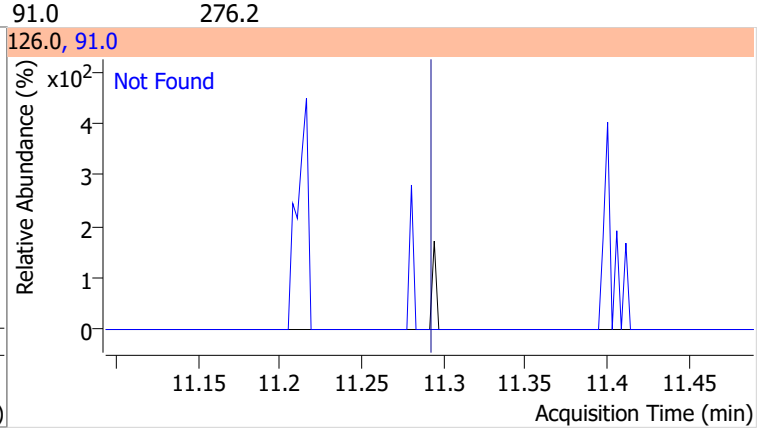
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



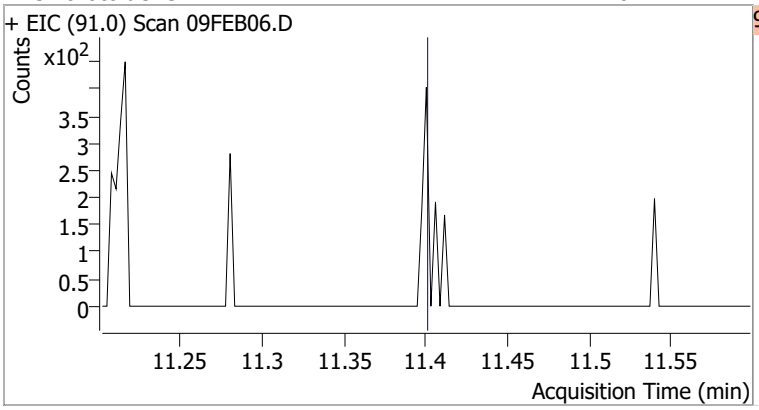


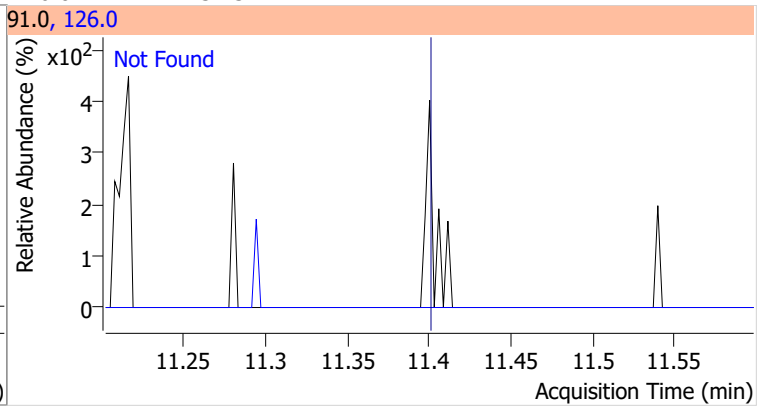
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



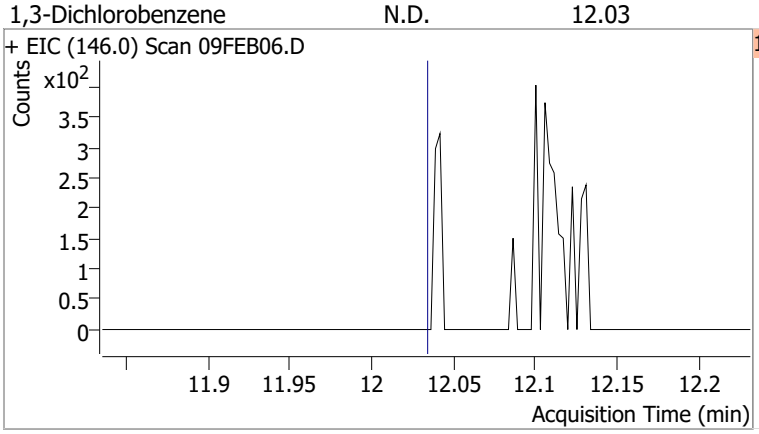


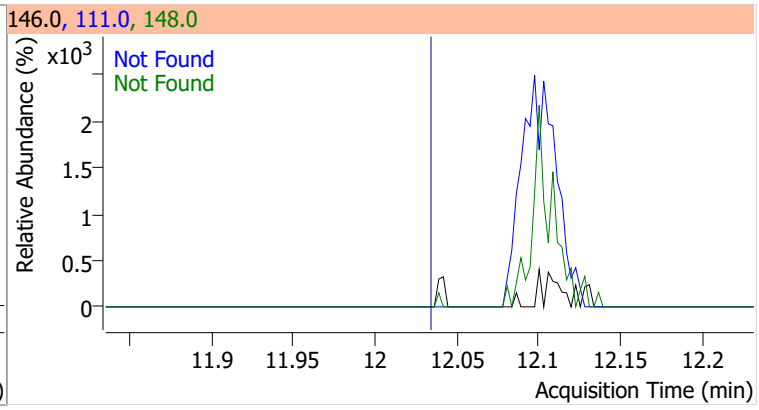
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



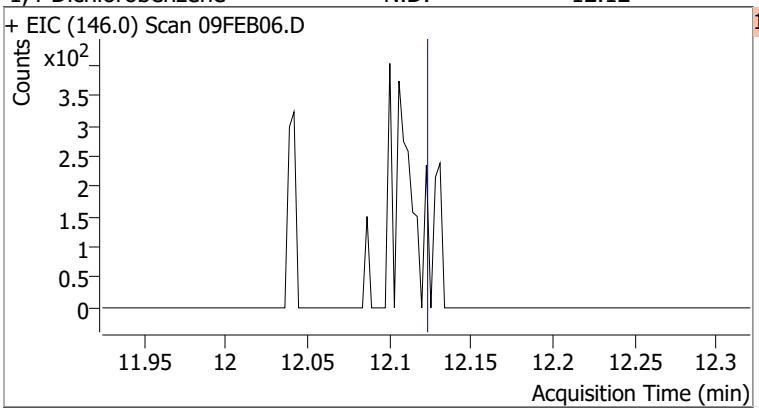


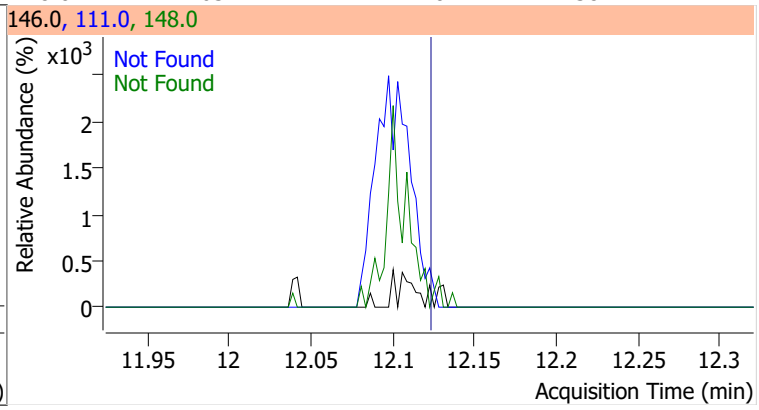
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



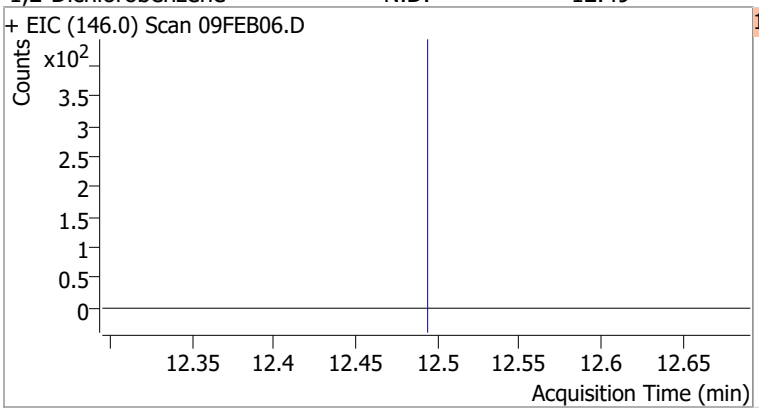


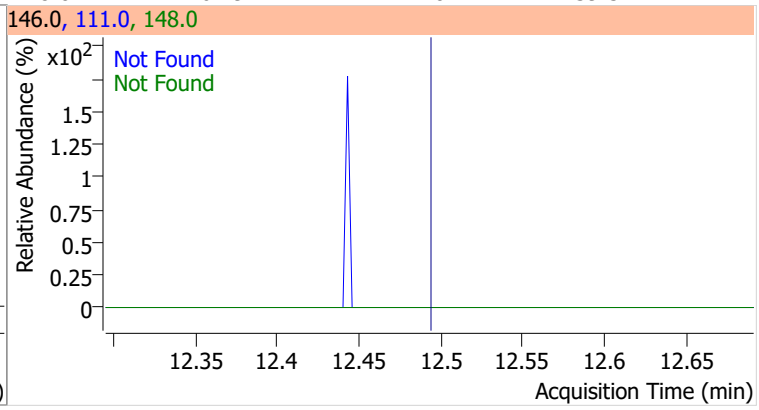
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





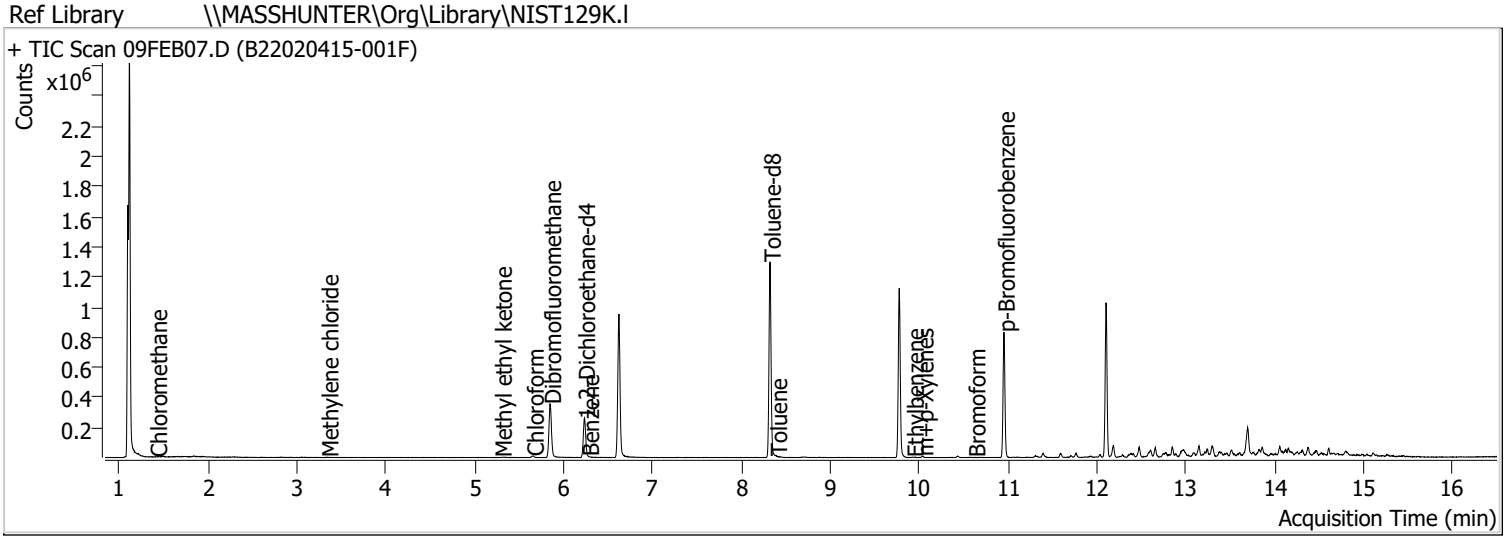
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB07.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 8:23:01 AM
Sample Name	B22020415-001F	Instrument	VOA5975C
Vial	7	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

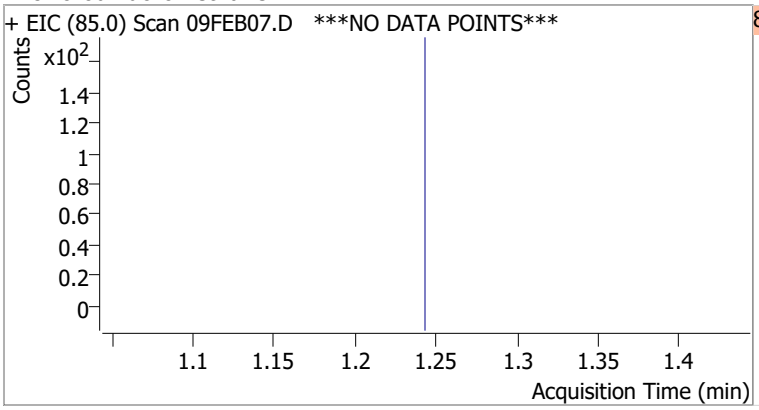


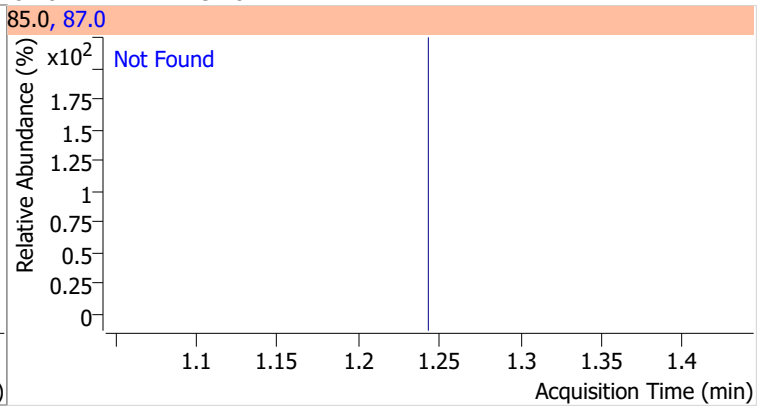
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	776763	250.0000	ng		0.000
M Chlorobenzene-d5	9.772	82.0	305054	250.0000	ng		-0.003
M 1,4-Dichlorobenzene-d4	12.100	152.0	241703	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.845	113.0	209778	278.8271	ng		-0.006
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 111.53%			
S 1,2-Dichloroethane-d4	6.230	67.0	93213	286.8099	ng		0.000
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 114.72%			
S Toluene-d8	8.319	98.0	792657	266.3413	ng		0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 106.54%			
S p-Bromofluorobenzene	10.951	95.0	228145	255.6465	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 102.26%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	1.414	50.0	1536	1.2489	ng	m	100
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.341	49.0	765	0.6740	ng	m	73
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	5.293	43.0	1433	12.1391	ng	m	97
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	5.653	83.0	7867	5.2182	ng		99

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	6.275	78.0	389	0.1254	ng	m	76
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	8.388	92.0	968	0.4880	ng	m	97
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	9.200	129.0	0		ng	md	1
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	9.925	91.0	1311	0.9523	ng	m	93
T m+p-Xylenes	10.034	106.0	2020	3.1501	ng		91
T o-Xylene	10.435	106.0	0		ng	md	1
T Styrene	0.000		0	N.D.			
T Bromoform	10.622	172.5	385	1.1881	ng	m	79
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

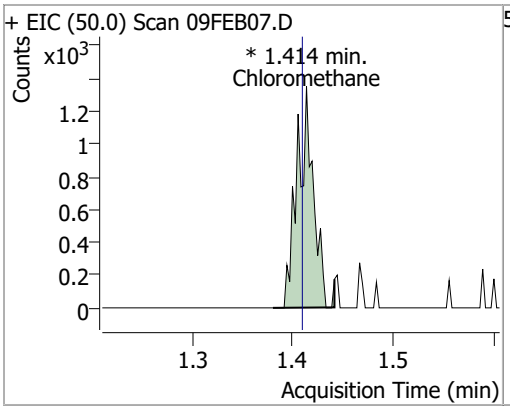
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

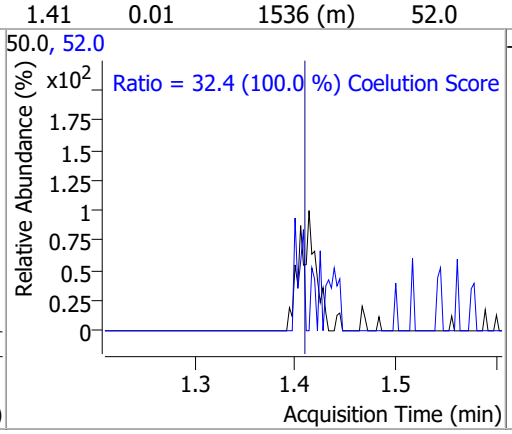
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8

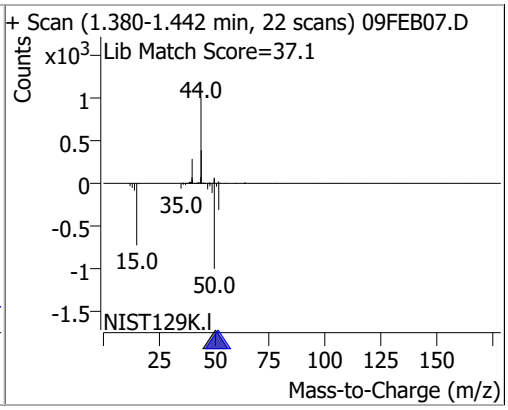




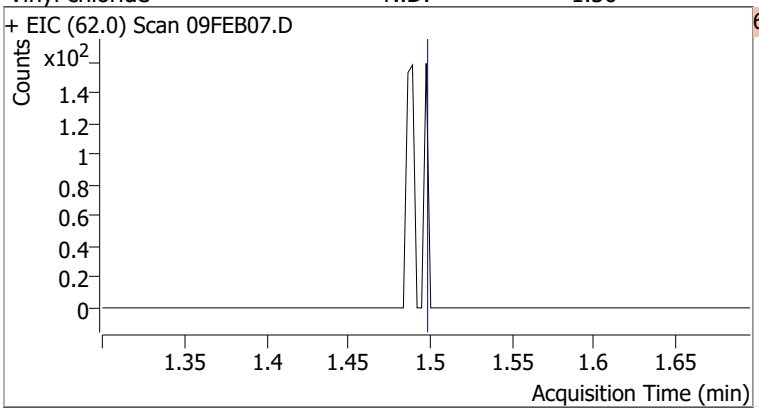
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	1.2489	1.41	0.01	1536 (m)	52.0	32.4	2.4	62.4

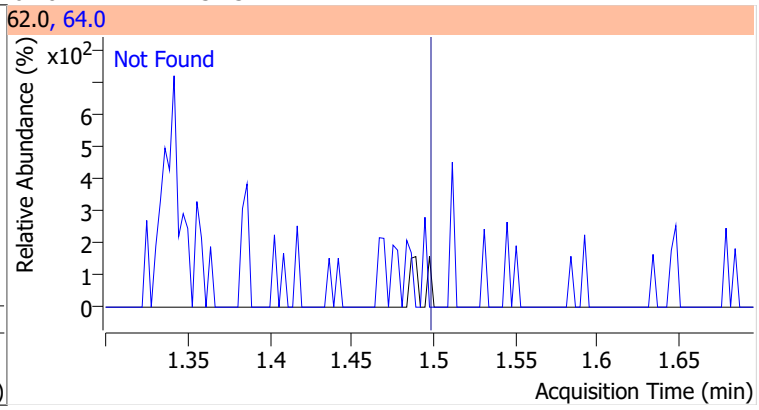




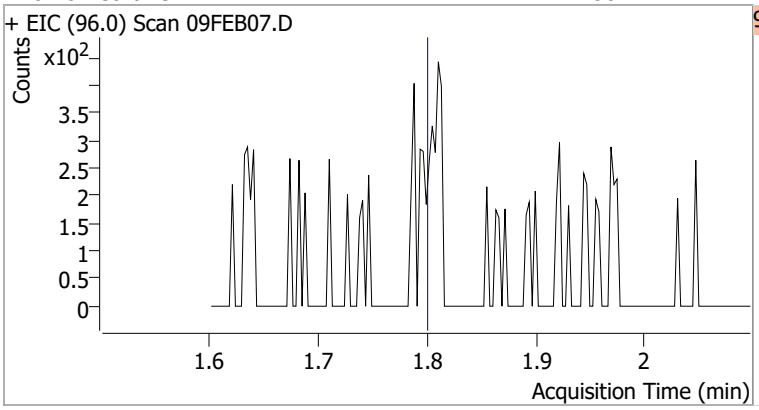


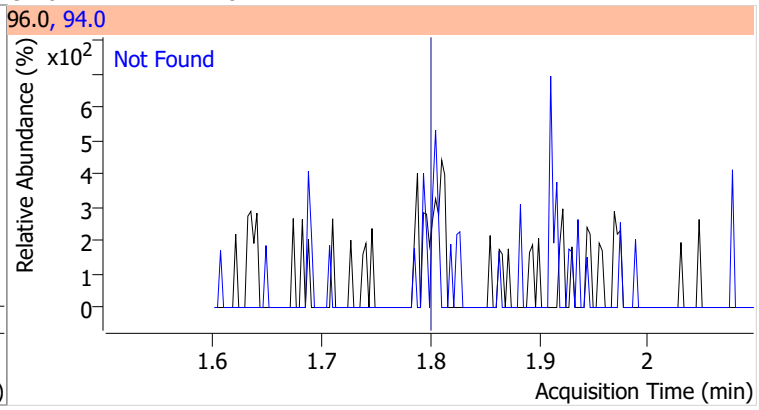
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



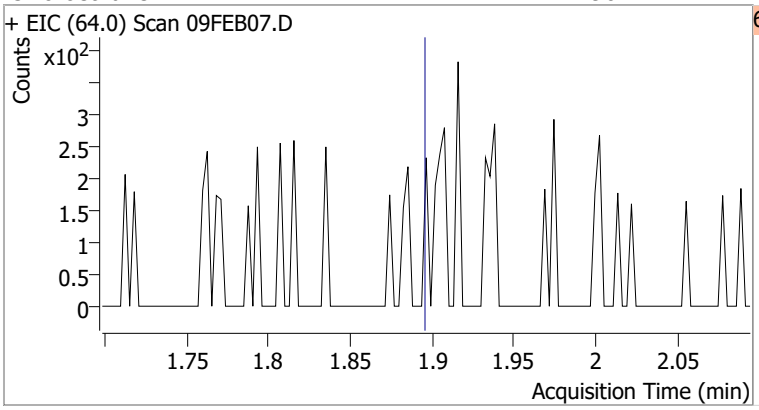


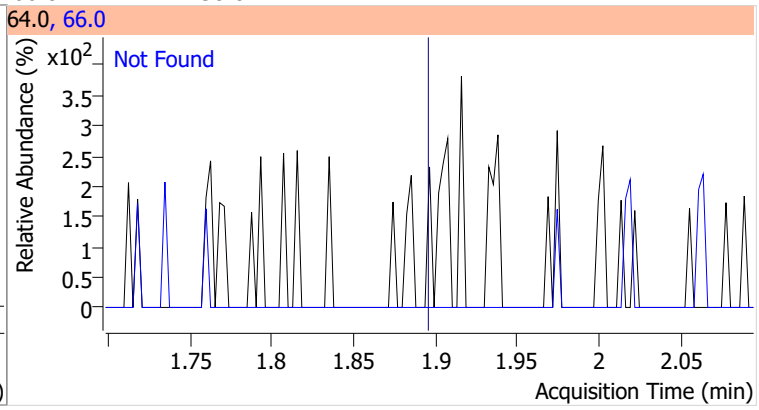
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



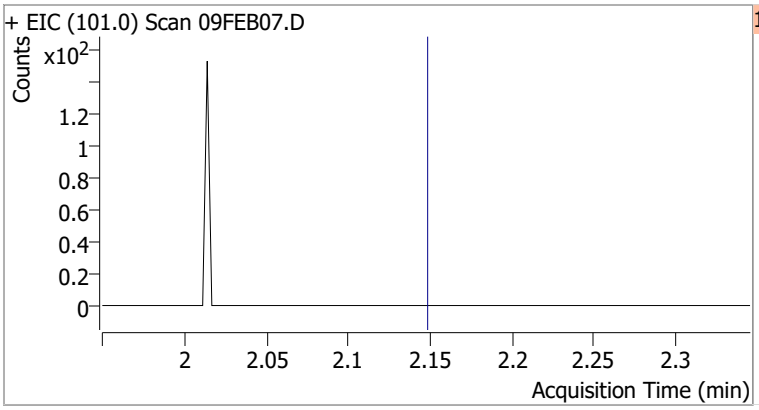


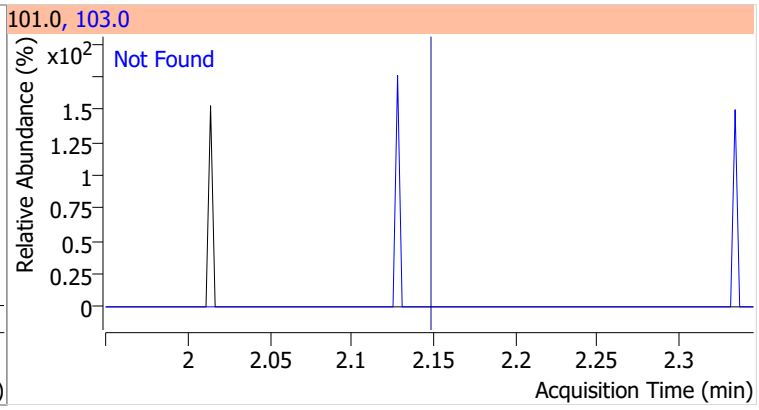
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



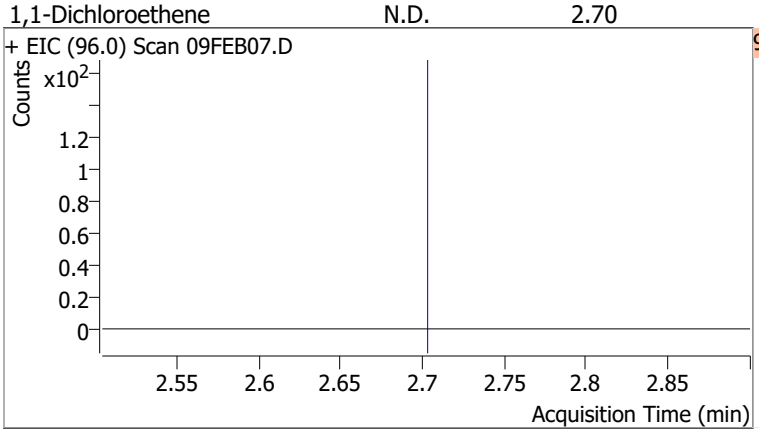


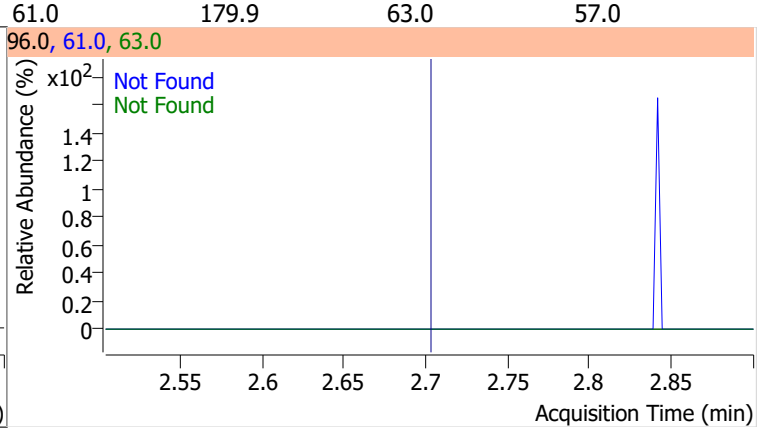
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



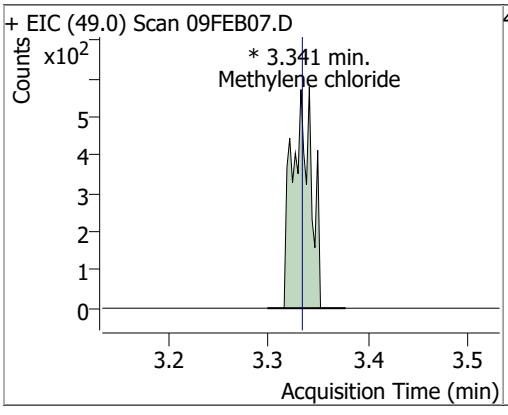


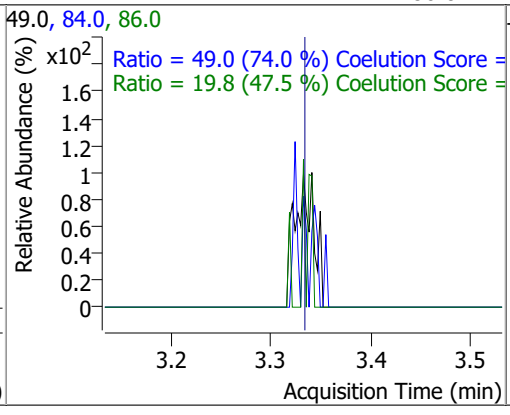
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

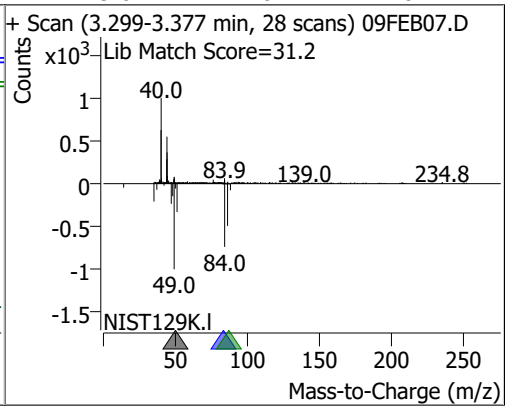




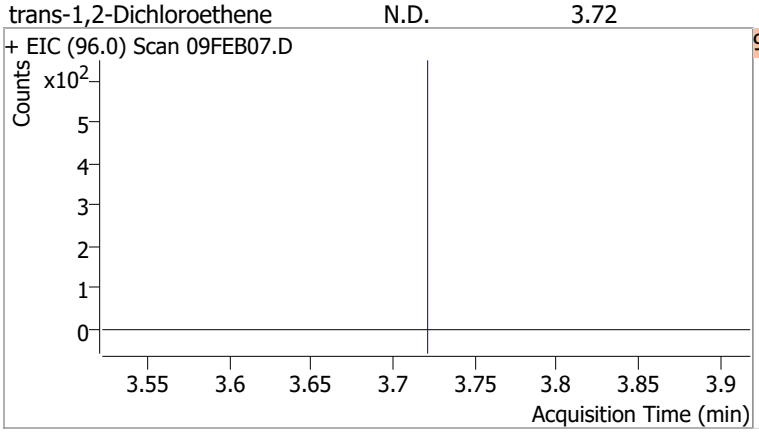
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	0.6740	3.34	0.01	765 (m)	84.0	49.0	36.1	96.1
					86.0	19.8	11.8	71.8

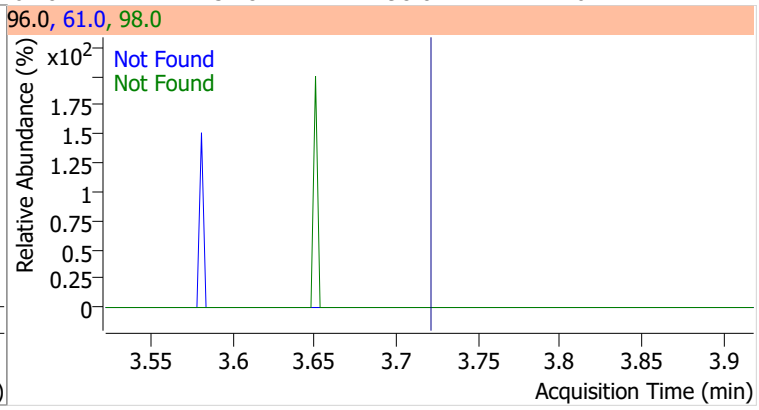




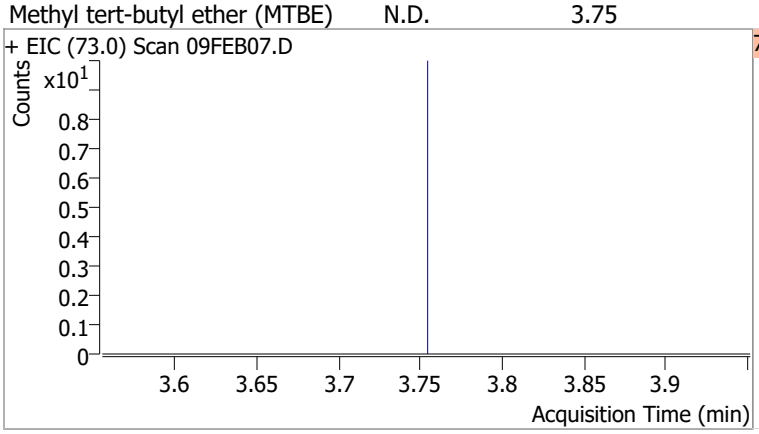


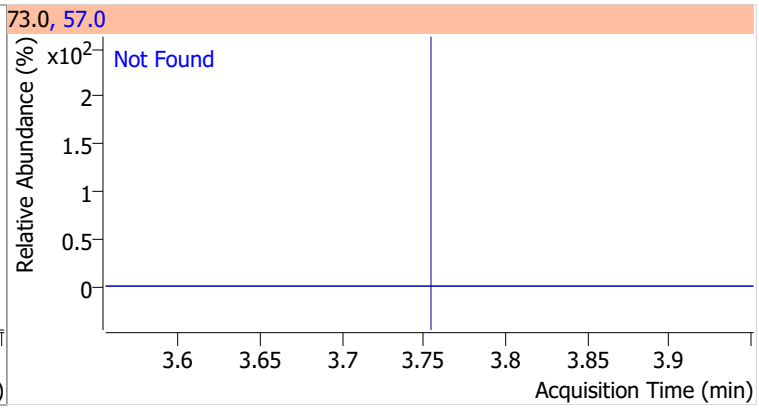
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



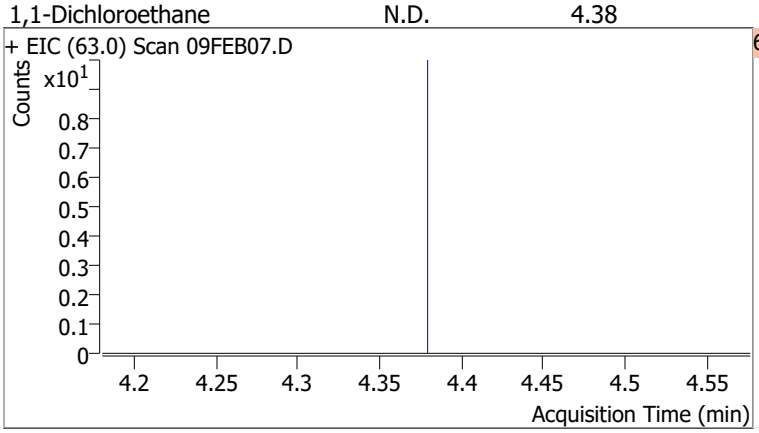


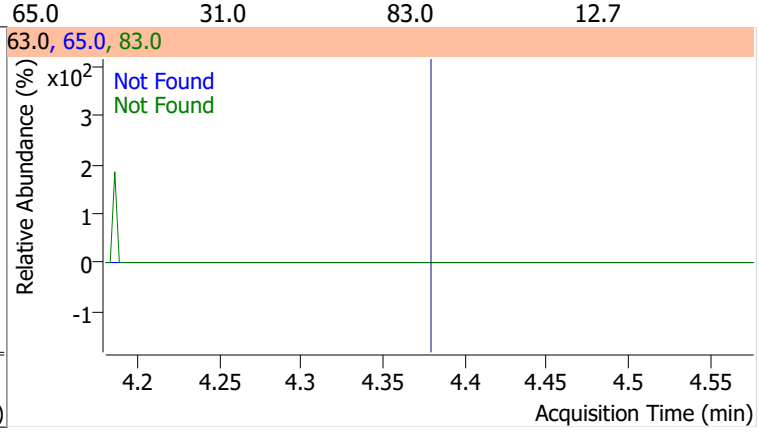
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



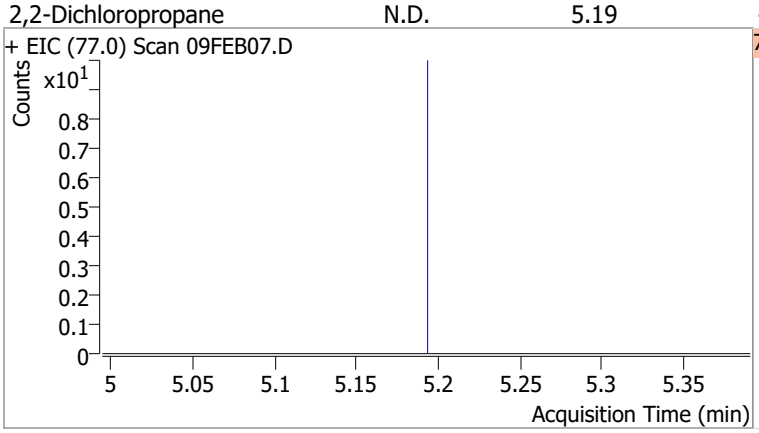


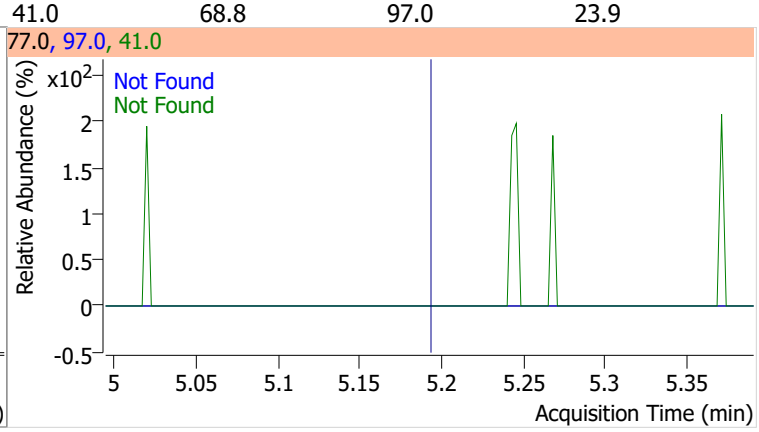
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



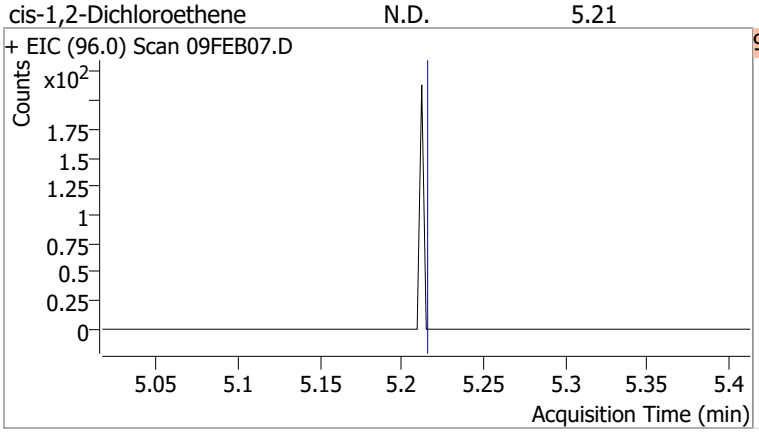


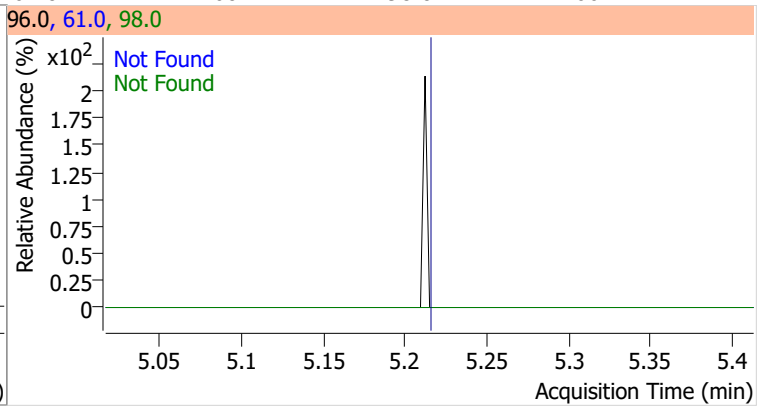
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



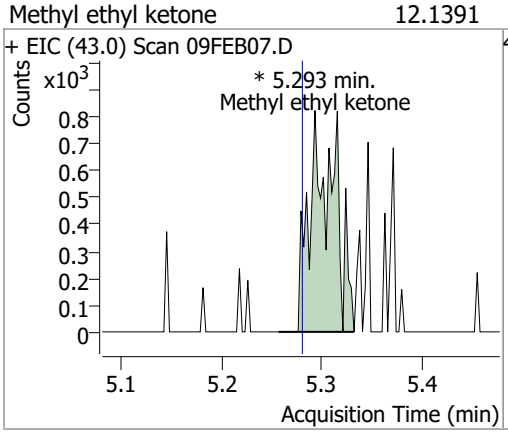


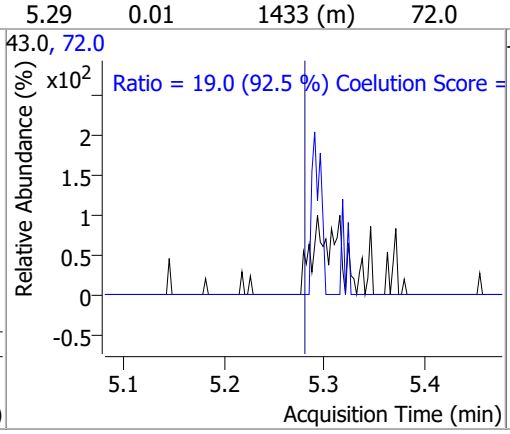
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2

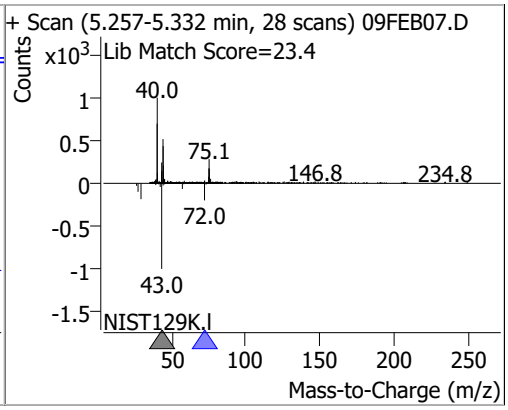




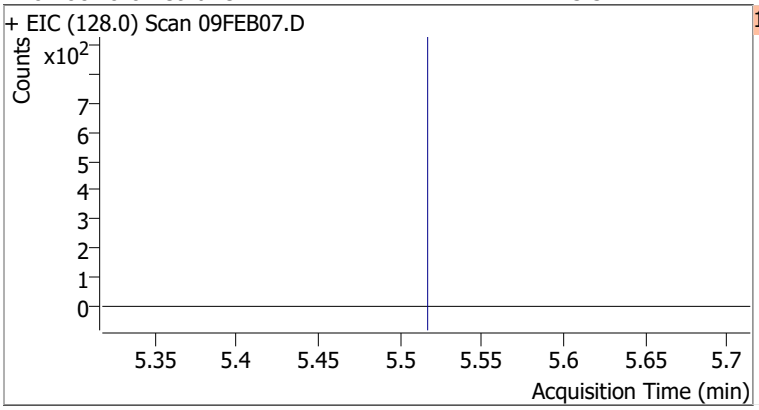
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	12.1391	5.29	0.01	1433 (m)	72.0	19.0	0.0	50.6

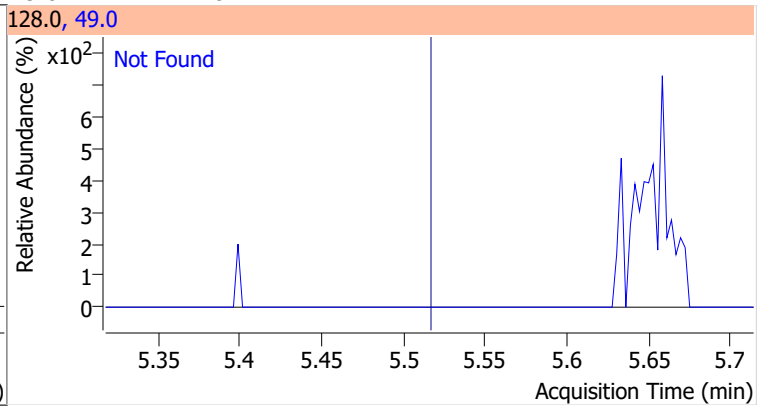




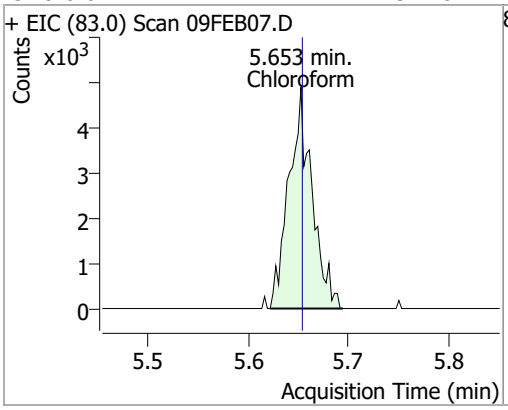


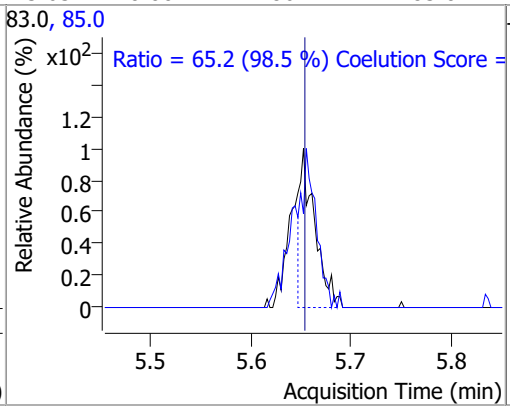
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2

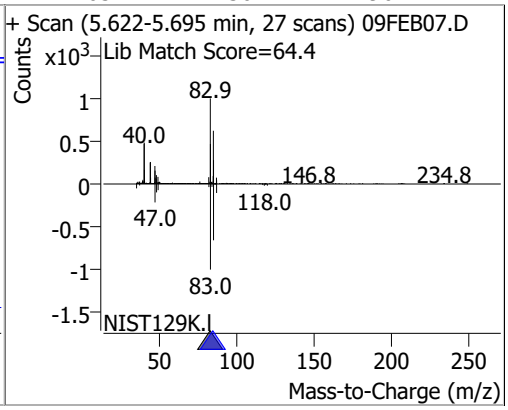




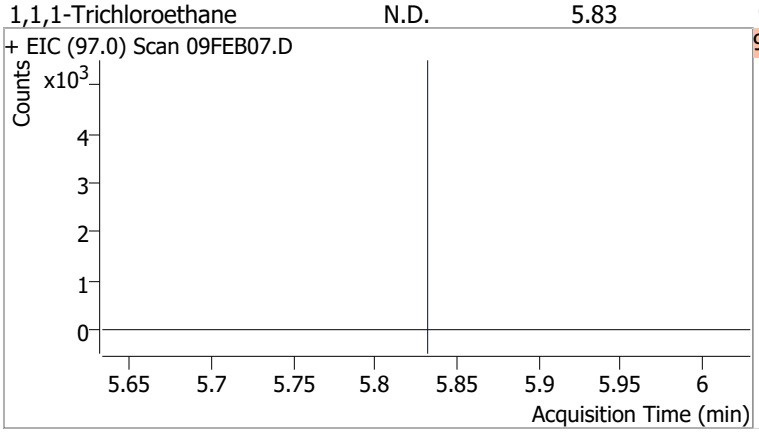
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	5.2182	5.65	0.00	7867	85.0	65.2	36.2	96.2

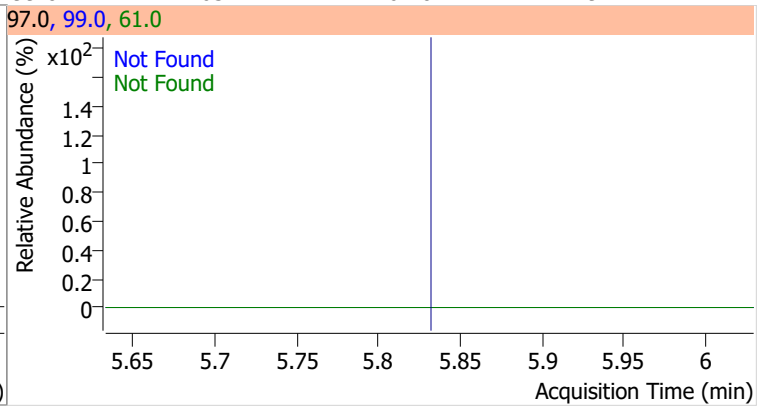




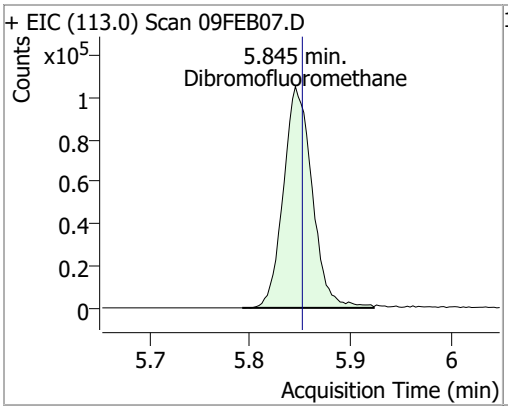


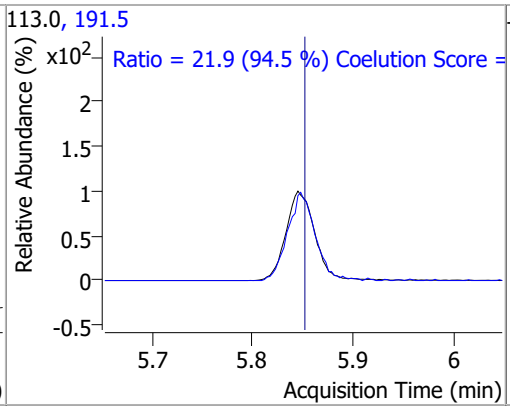
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

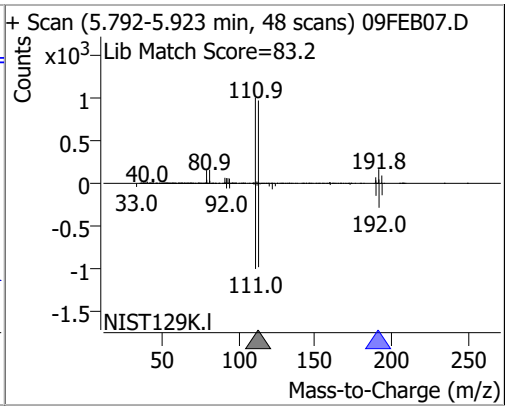




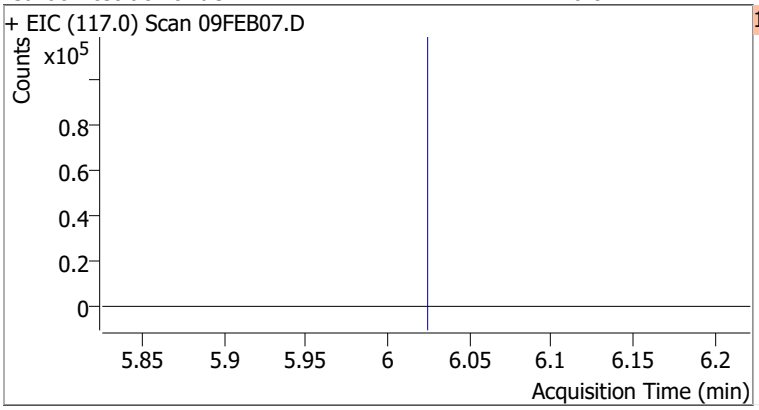
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	278.8271	5.85	-0.01	209778	191.5	21.9	0.0	53.2

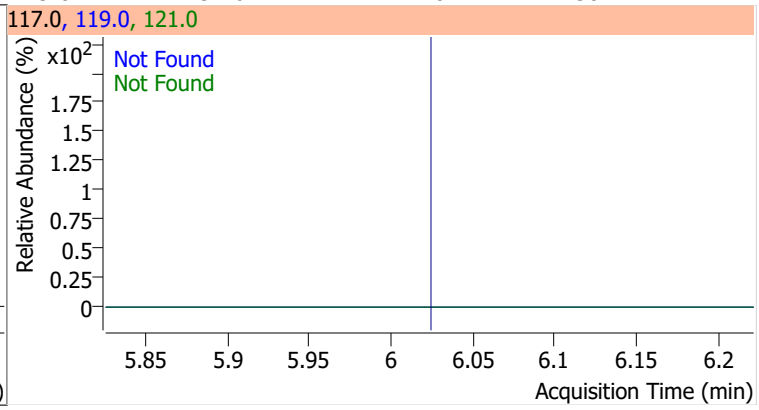




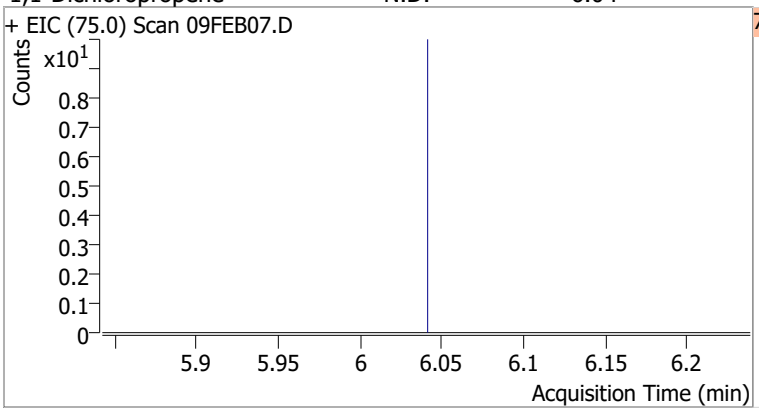


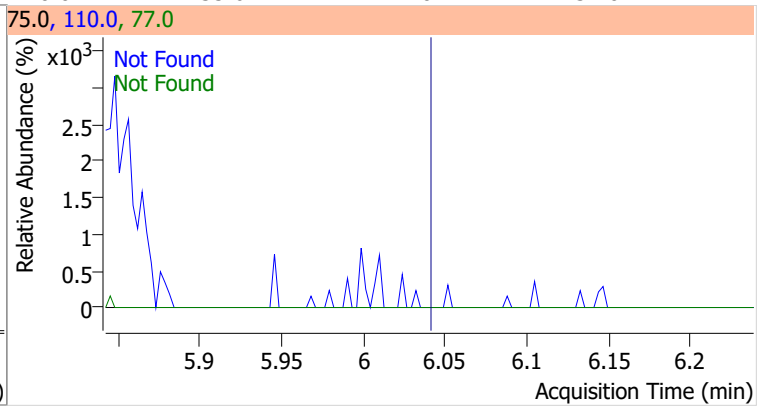
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7



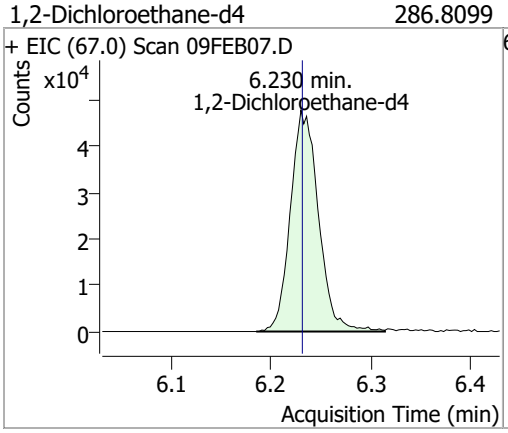


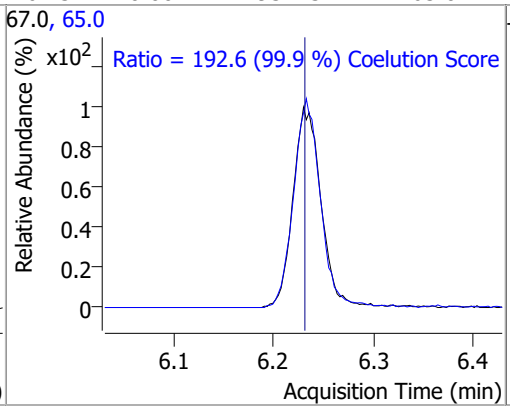
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

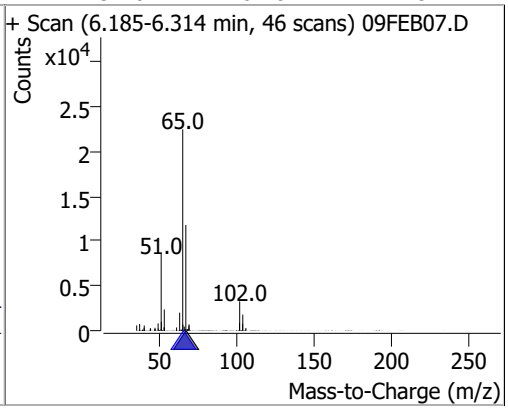




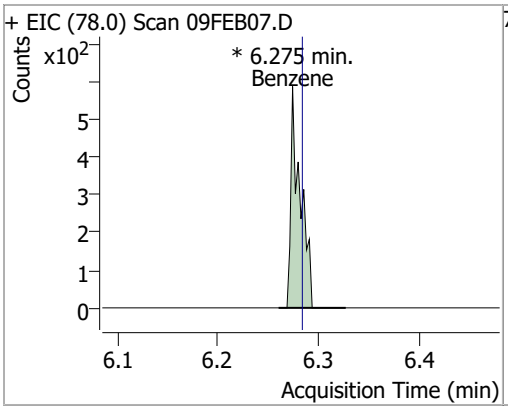
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	286.8099	6.23	0.00	93213	65.0	192.6	162.8	222.8

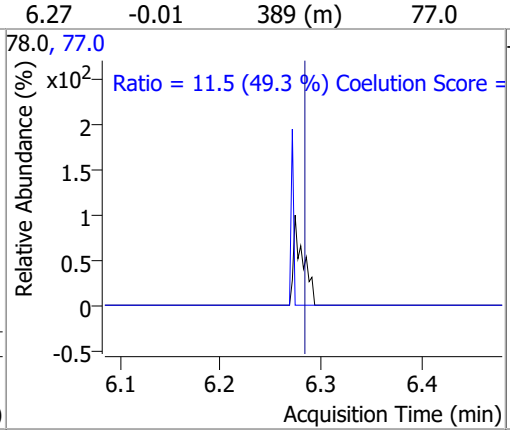


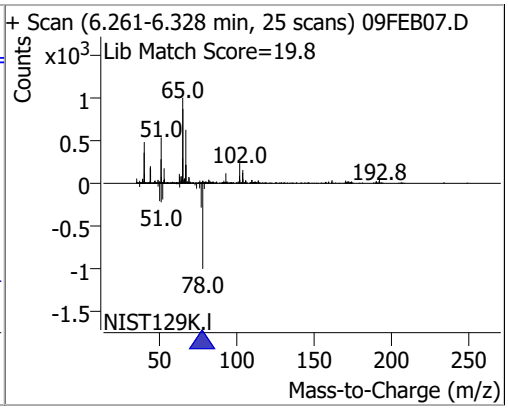




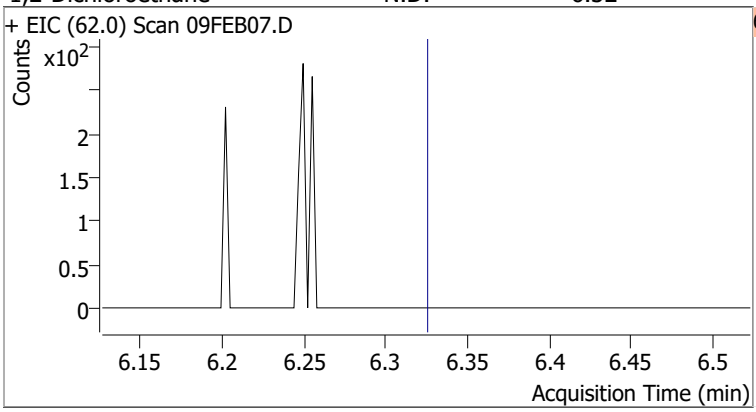
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	0.1254	6.27	-0.01	389 (m)	77.0	11.5	0.0	53.3

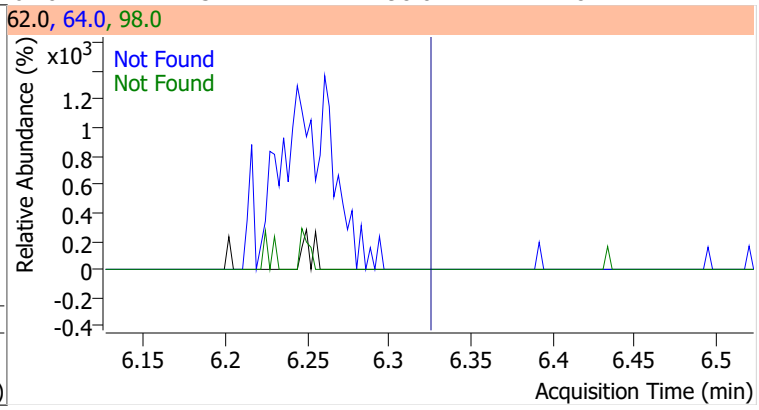




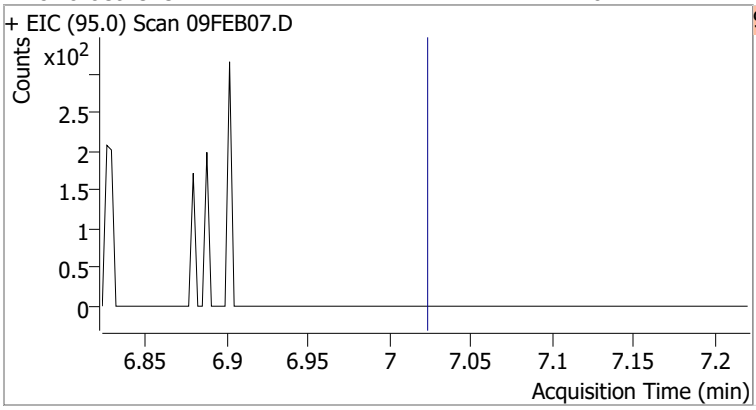


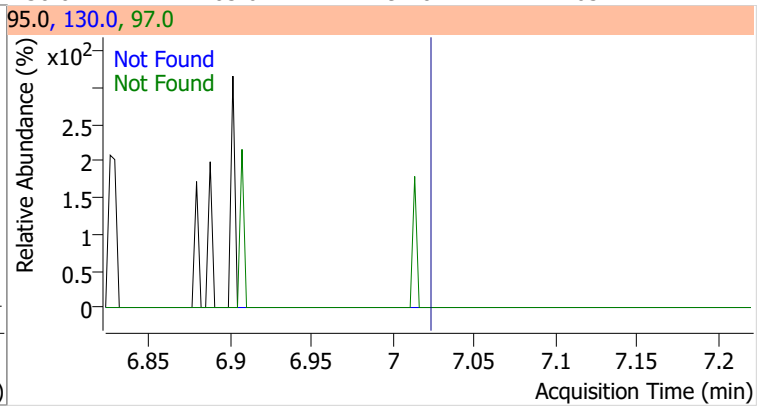
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



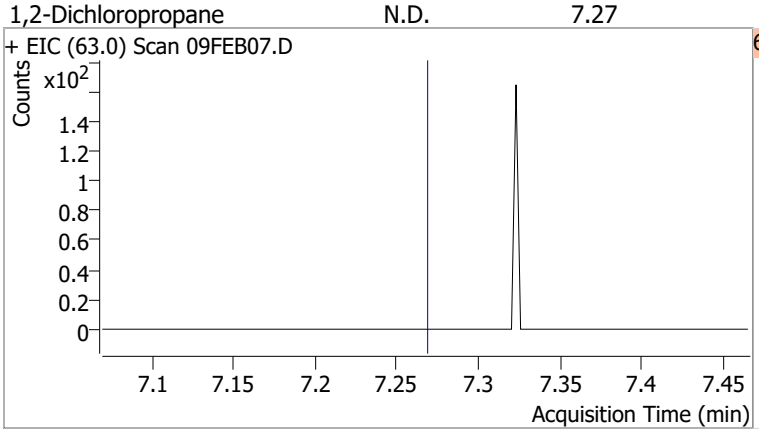


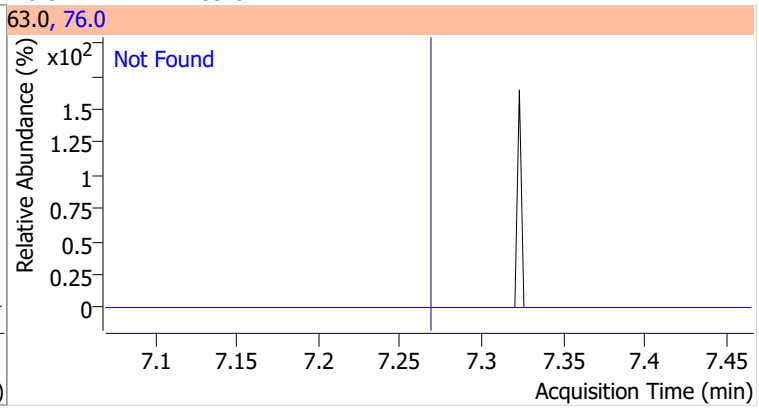
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



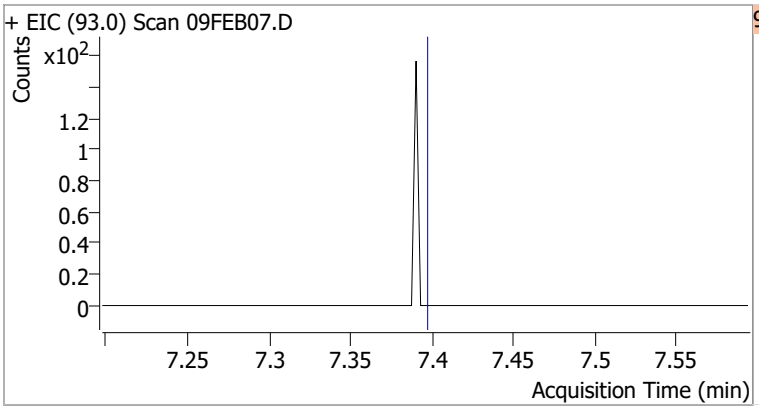


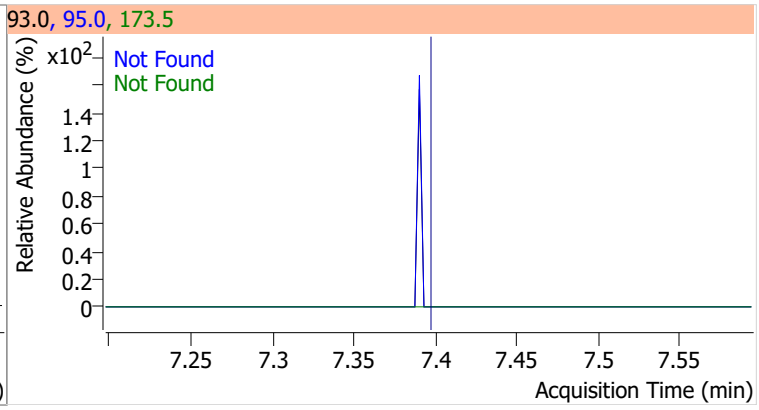
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



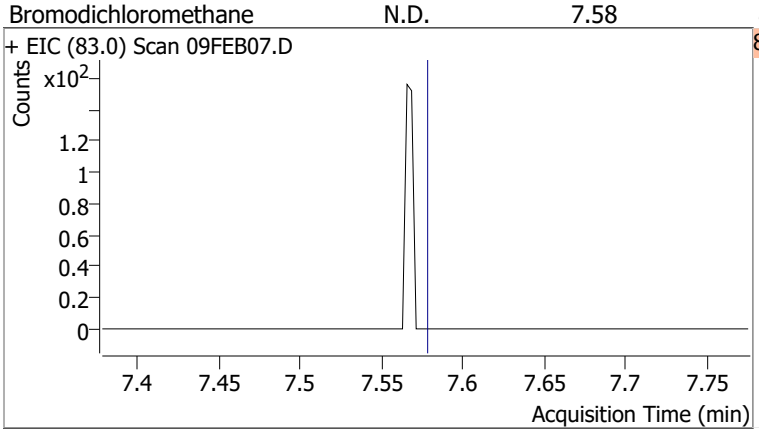


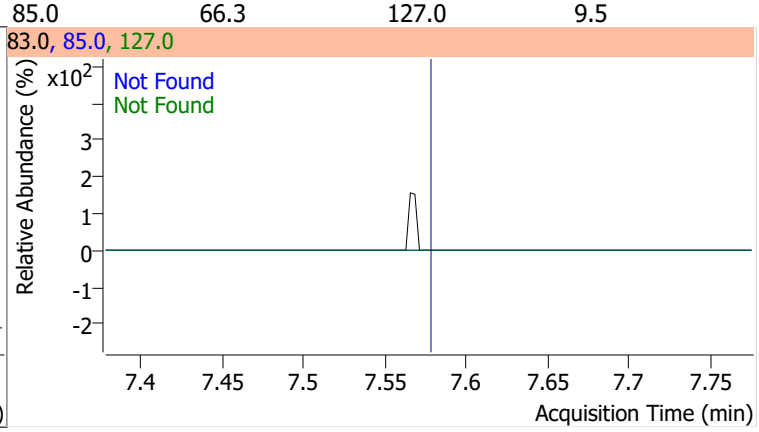
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



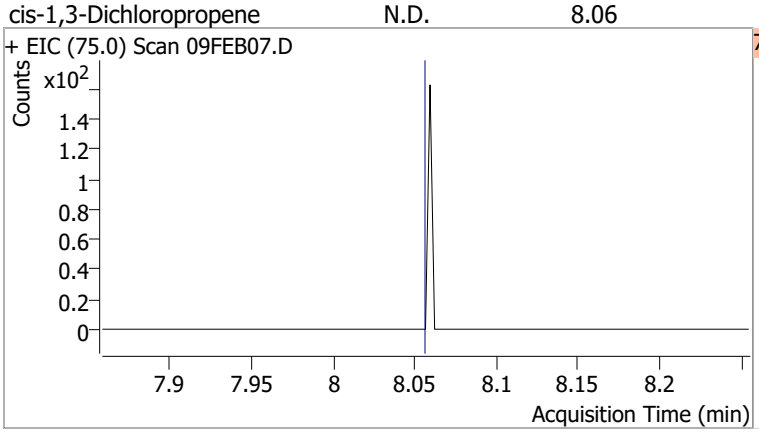


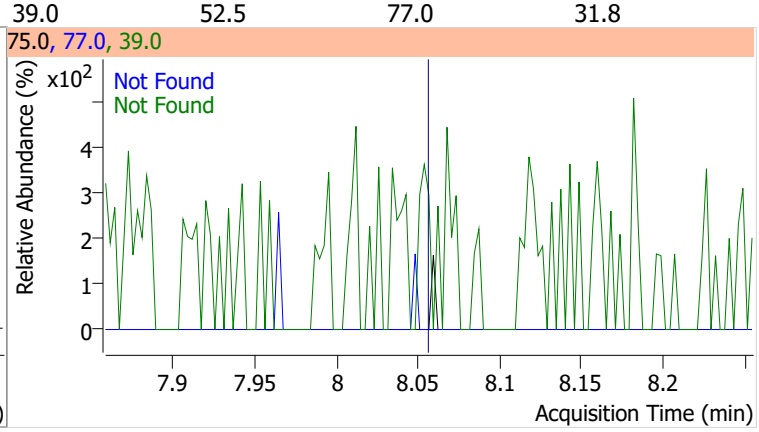
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



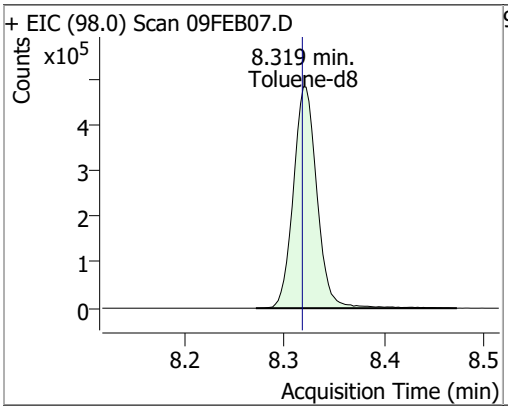


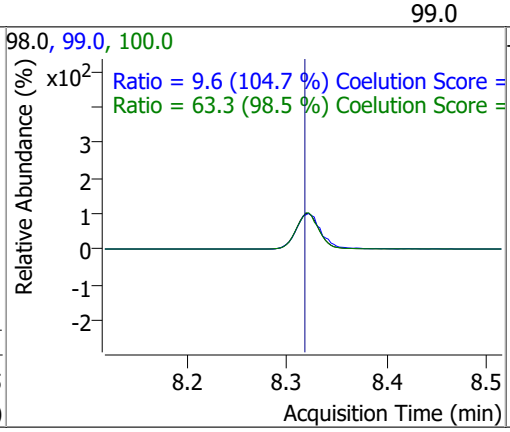
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

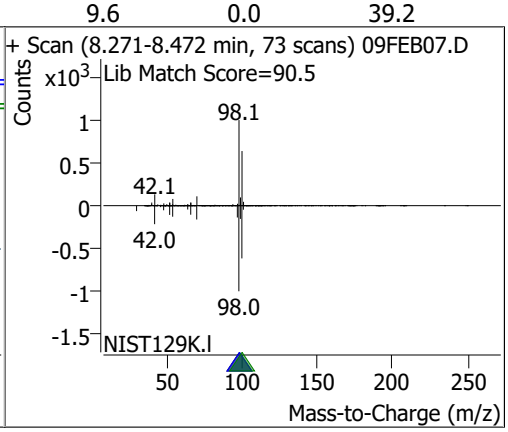




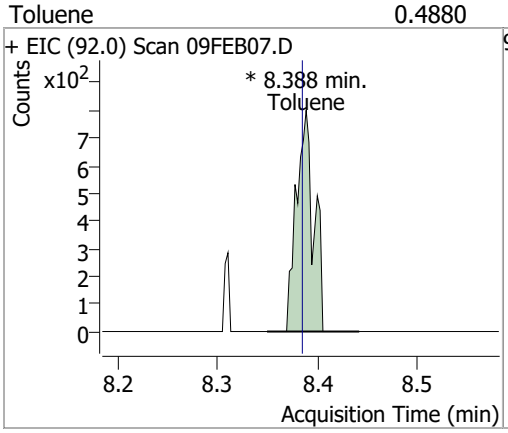
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	266.3413	8.32	0.00	792657	100.0	63.3	34.3	94.3
					99.0	9.6	0.0	39.2

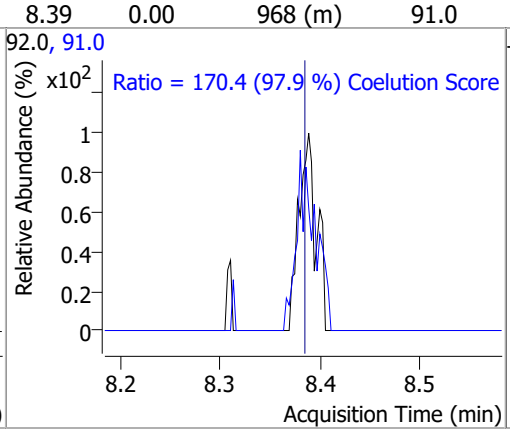


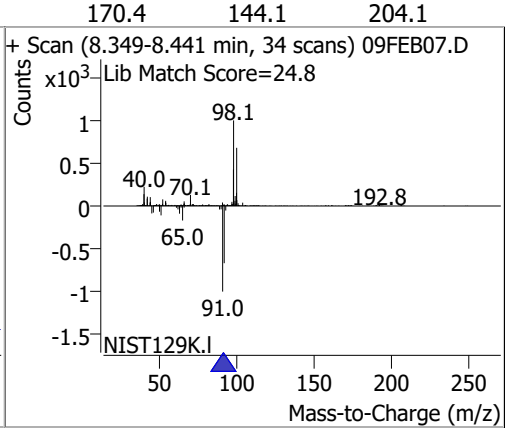




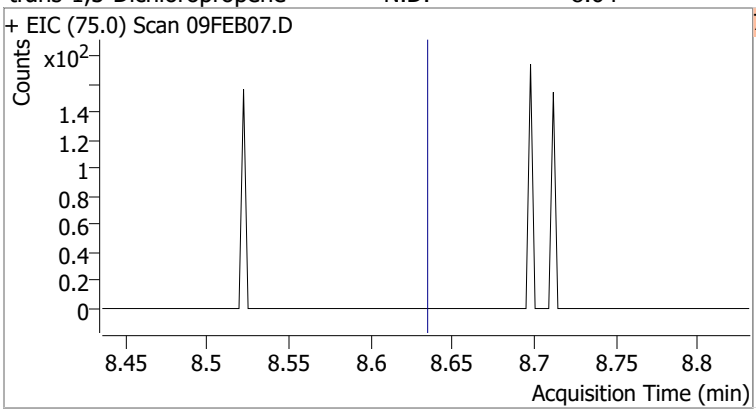
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	0.4880	8.39	0.00	968 (m)	91.0	170.4	144.1	204.1

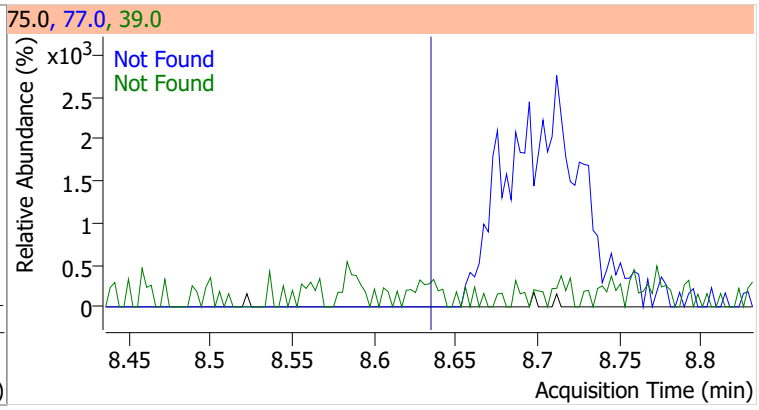




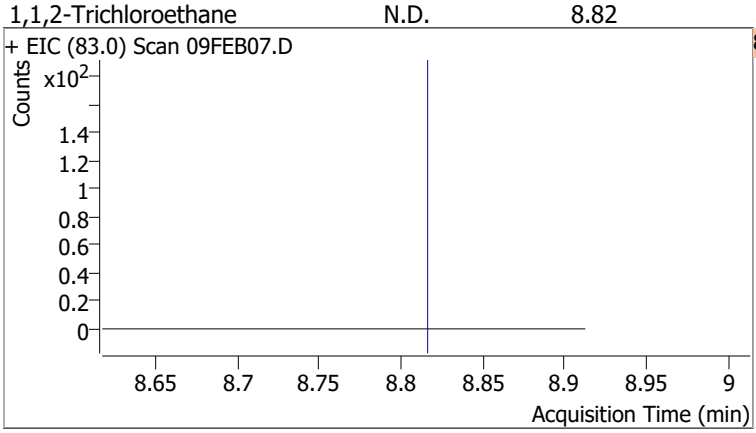


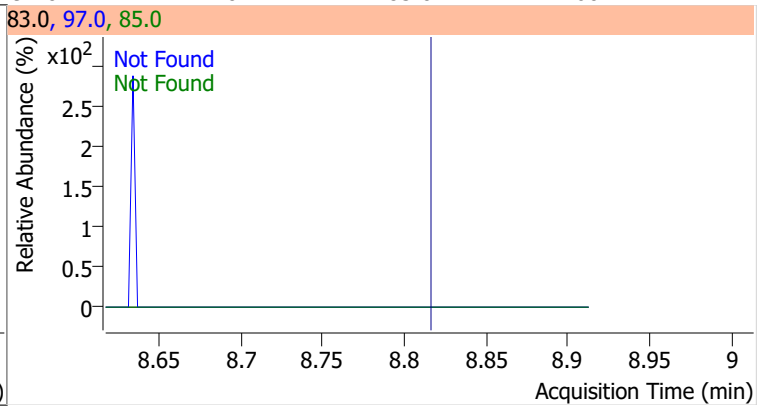
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



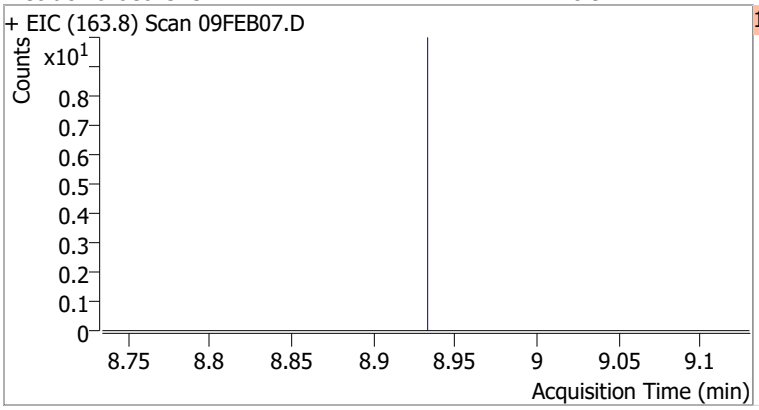


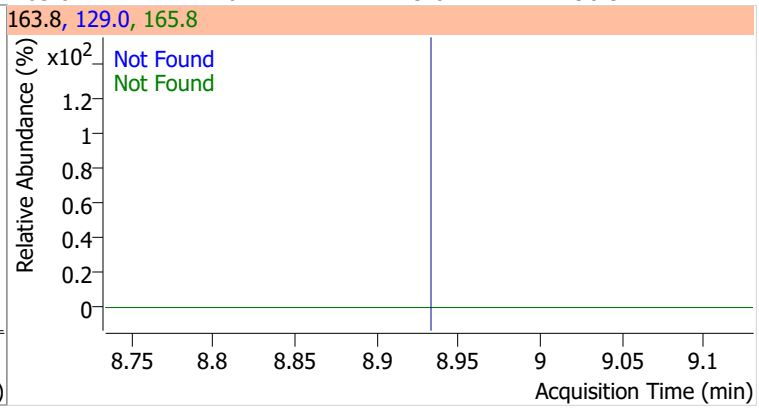
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



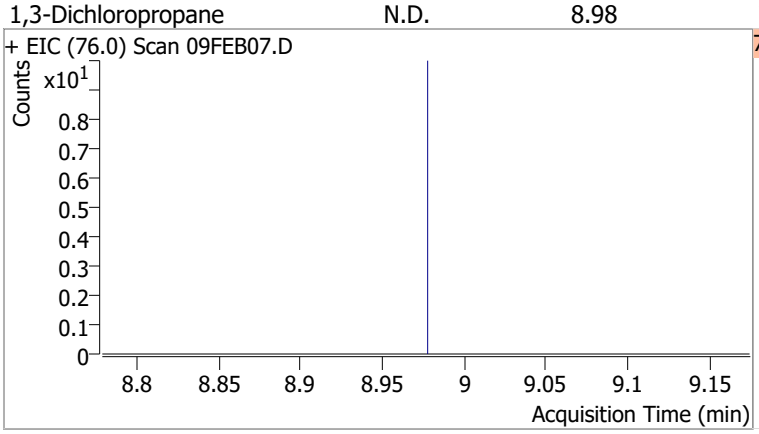


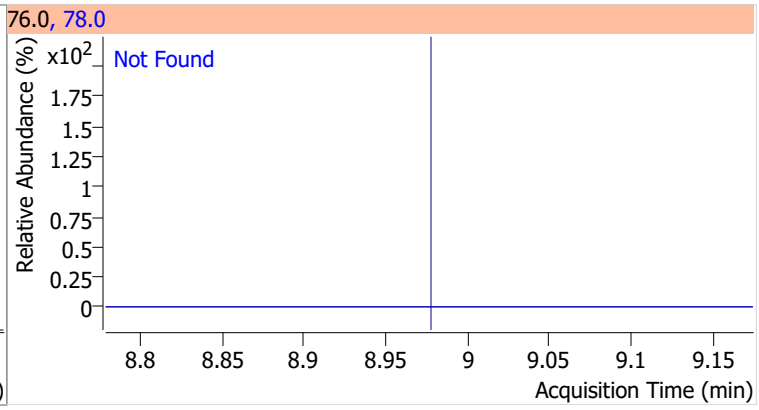
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



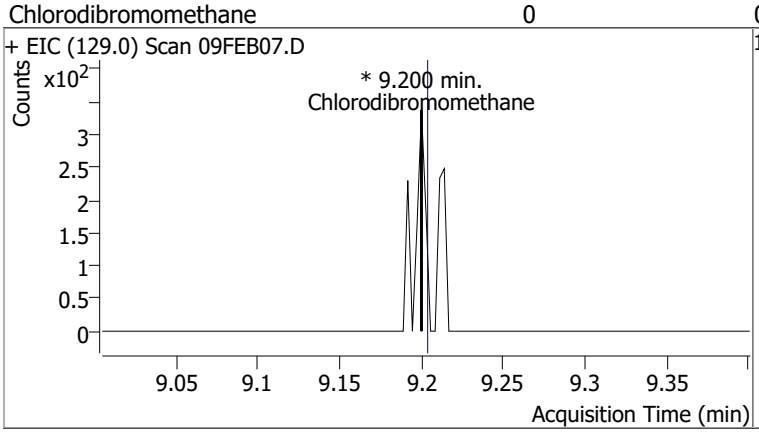


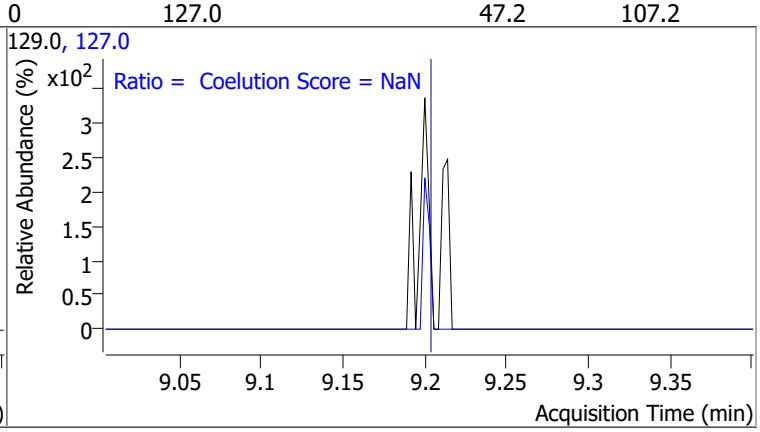
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



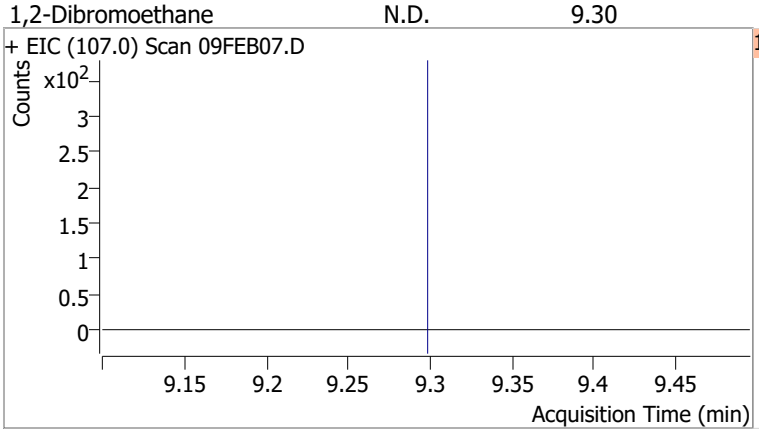


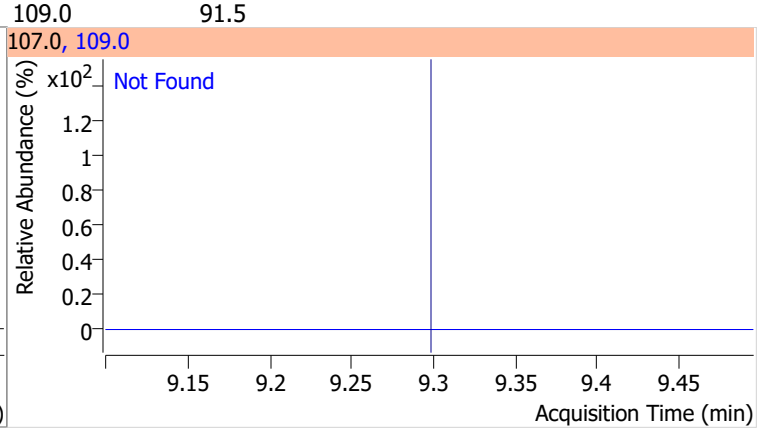
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane		0		0	127.0		47.2	107.2



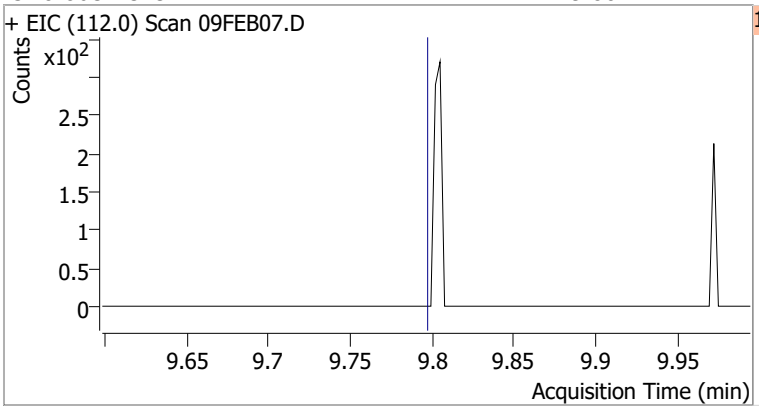


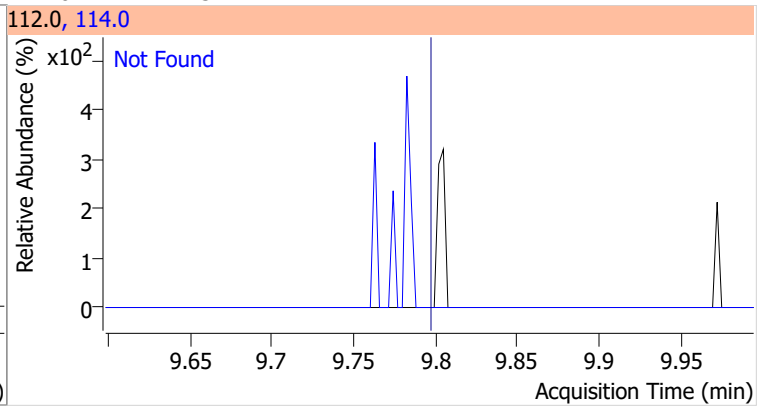
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



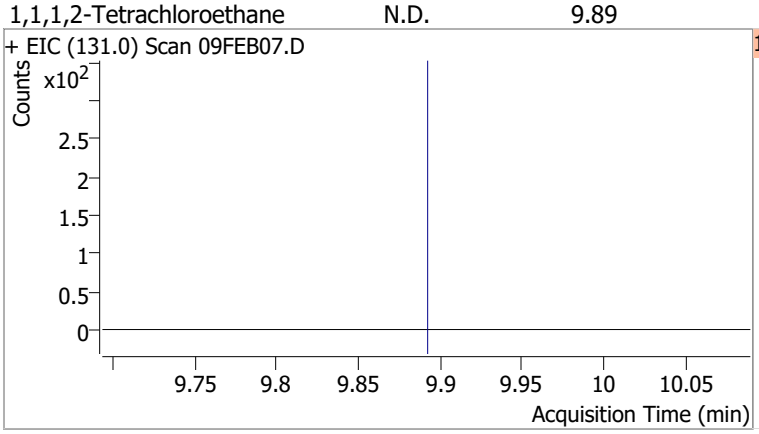


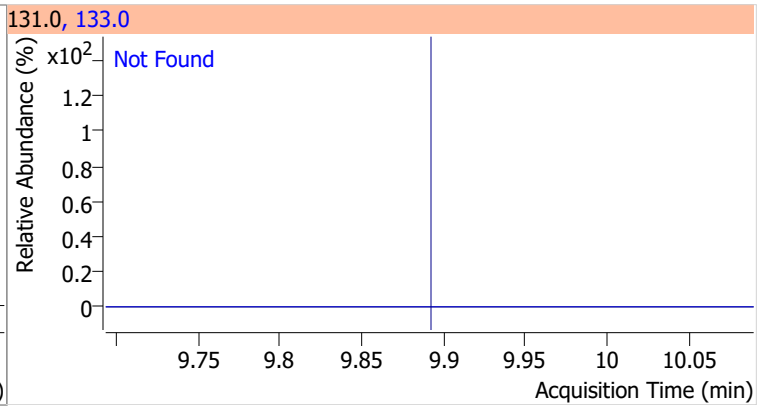
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



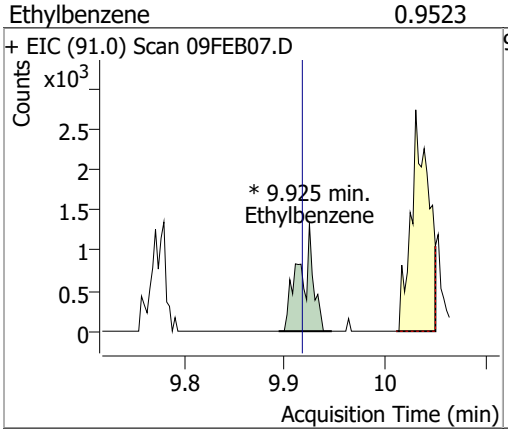


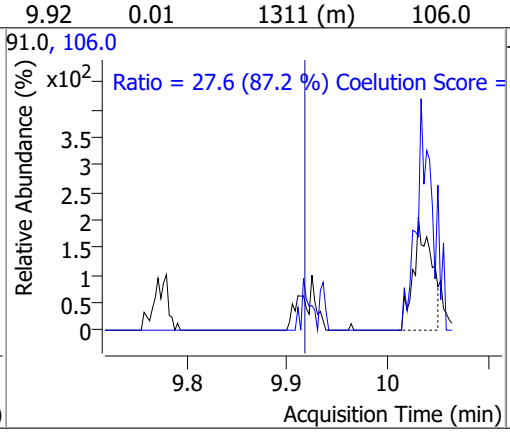
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3

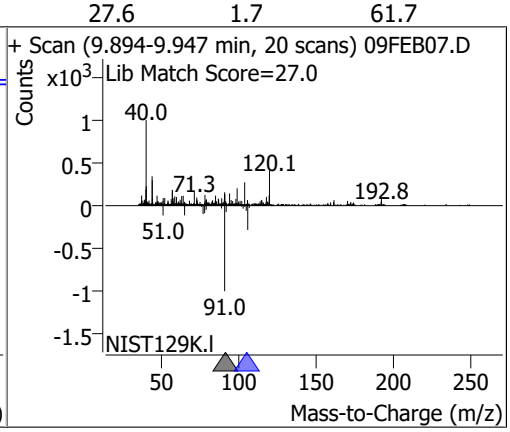




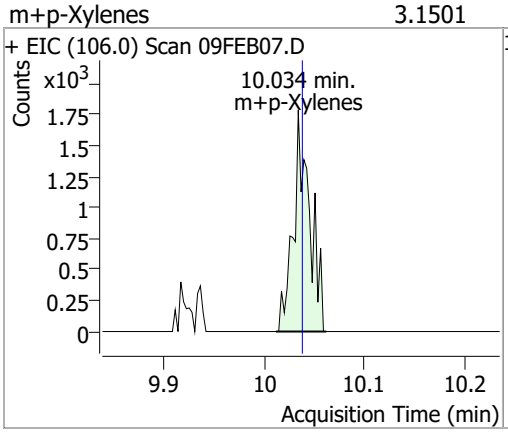
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	0.9523	9.92	0.01	1311 (m)	106.0	27.6	1.7	61.7

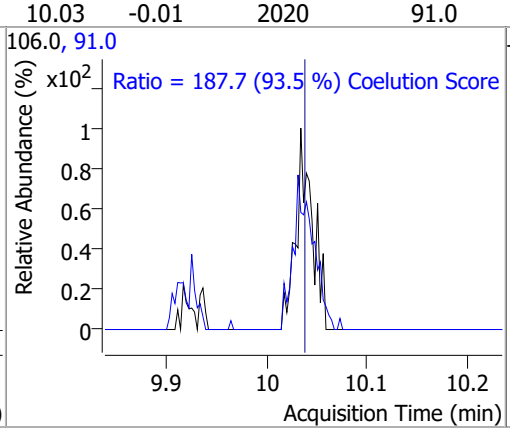


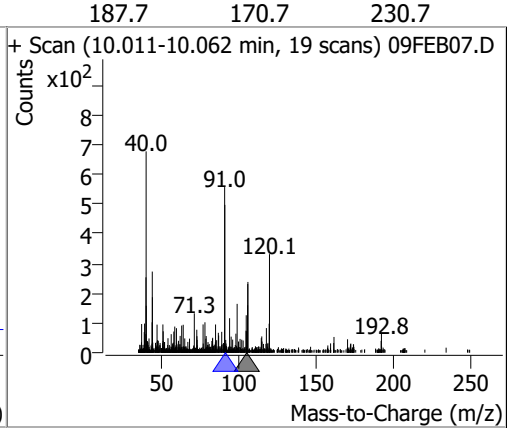




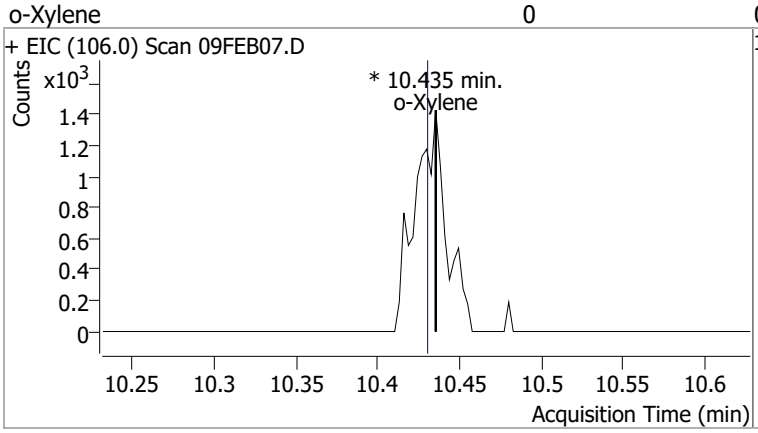
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	3.1501	10.03	-0.01	2020	91.0	187.7	170.7	230.7

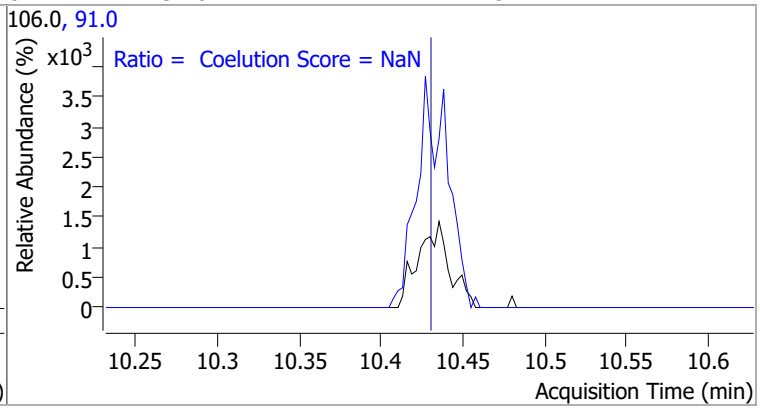




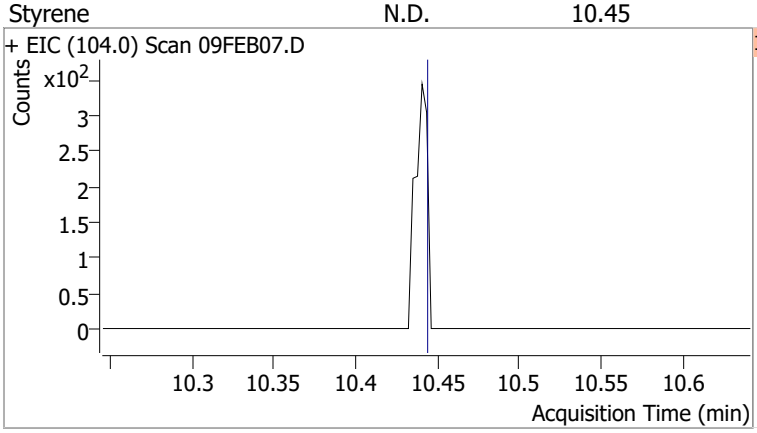


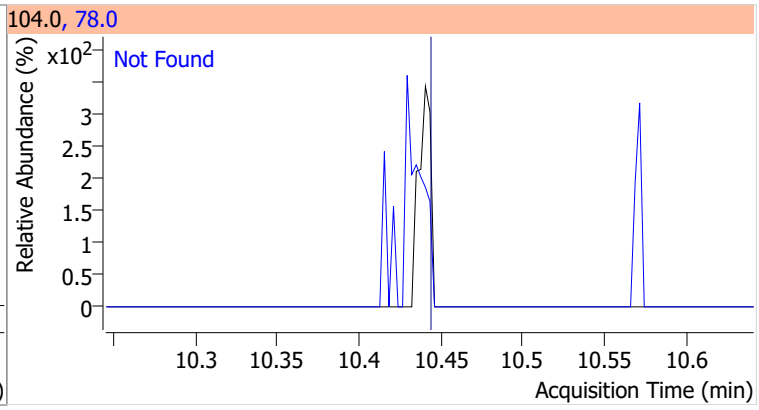
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene		0		0	91.0		181.4	241.4



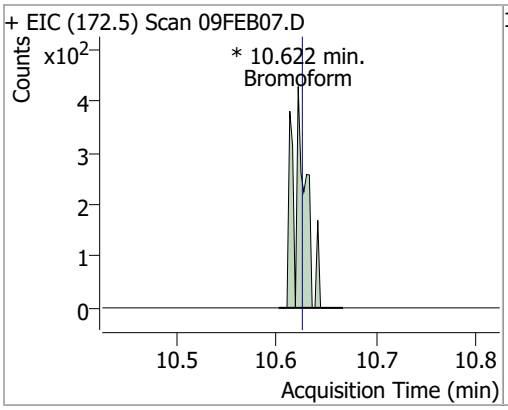


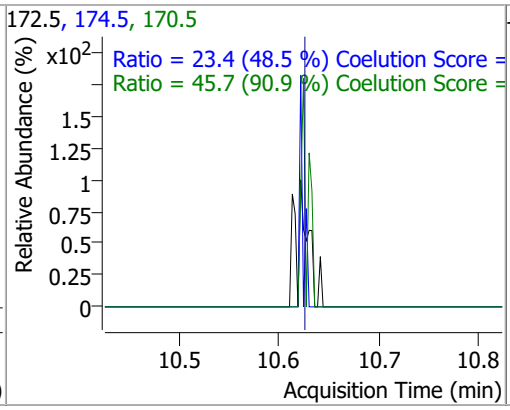
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6

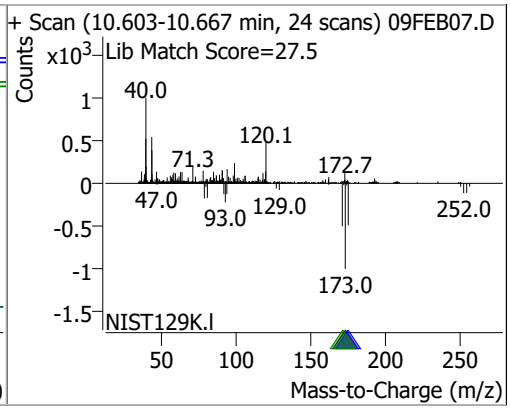




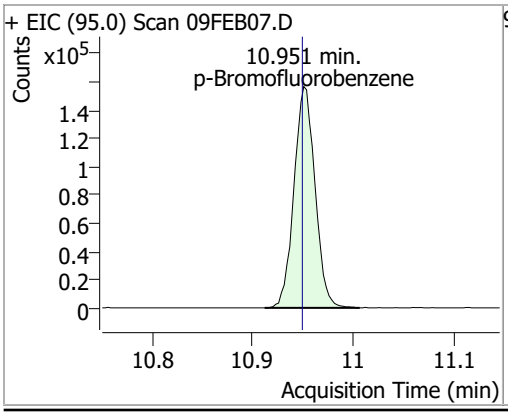
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	1.1881	10.62	0.00	385 (m)	170.5	45.7	20.3	80.3
					174.5	23.4	18.1	78.1

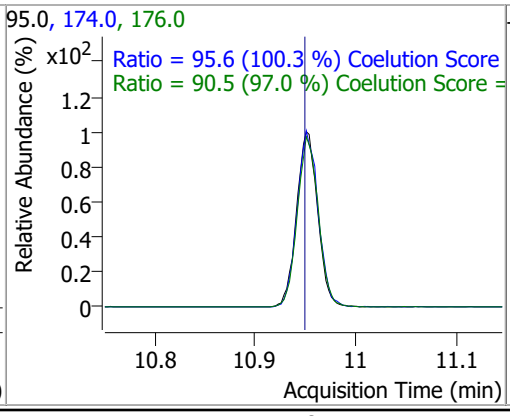


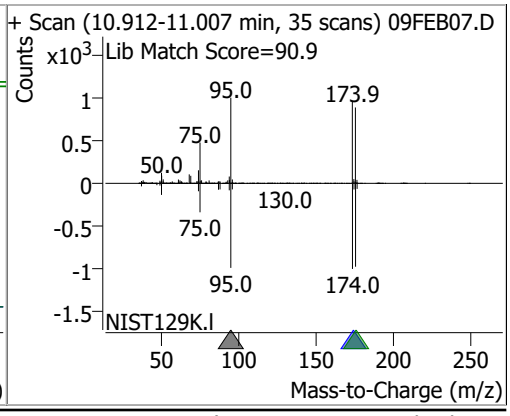




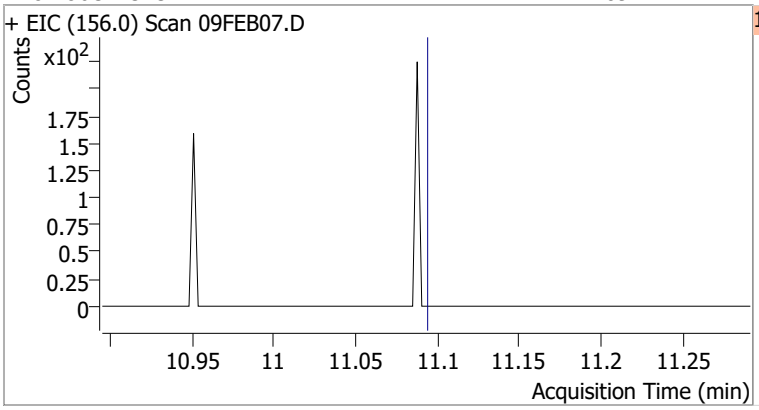
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	255.6465	10.95	0.00	228145	174.0	95.6	65.3	125.3
					176.0	90.5	63.3	123.3

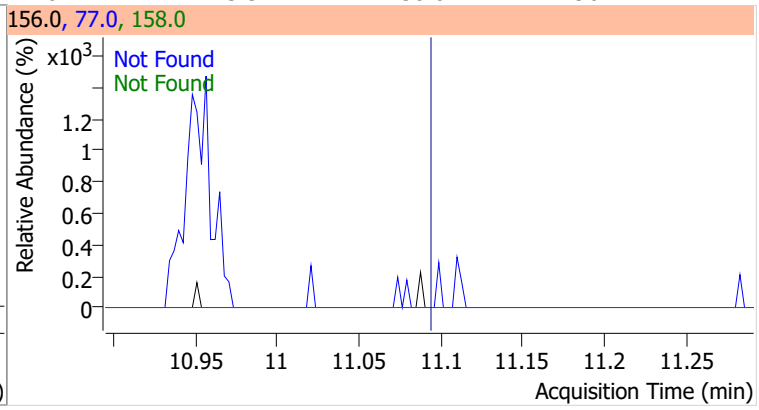




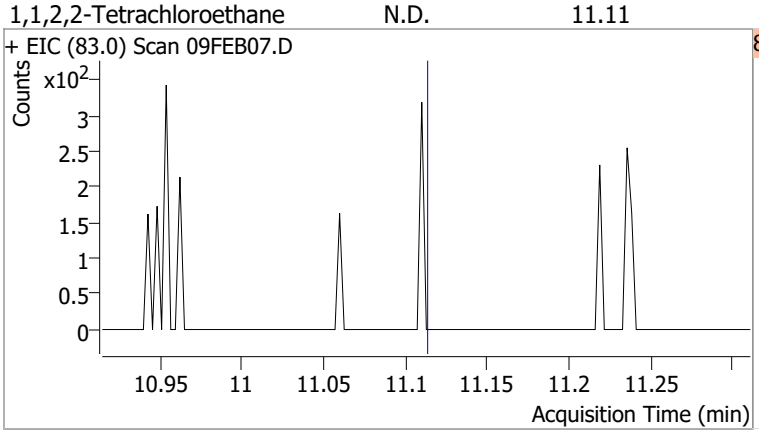


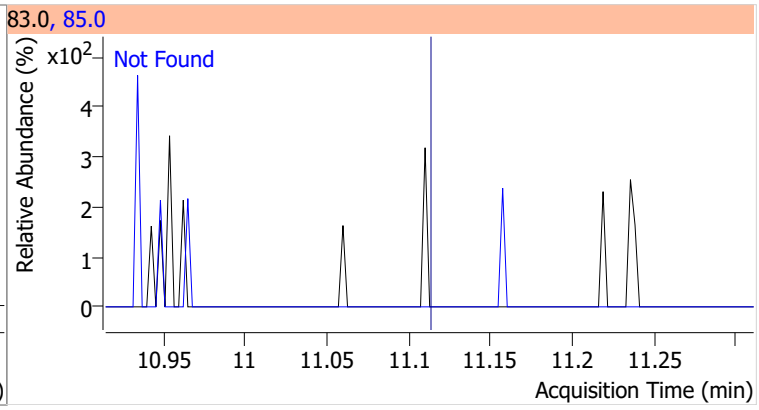
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



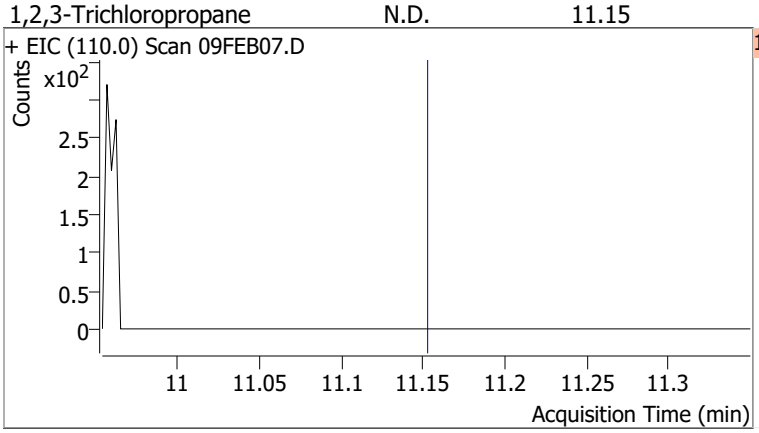


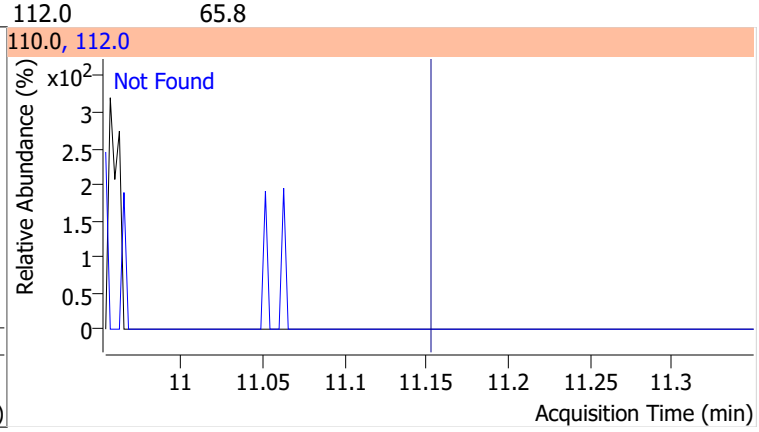
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



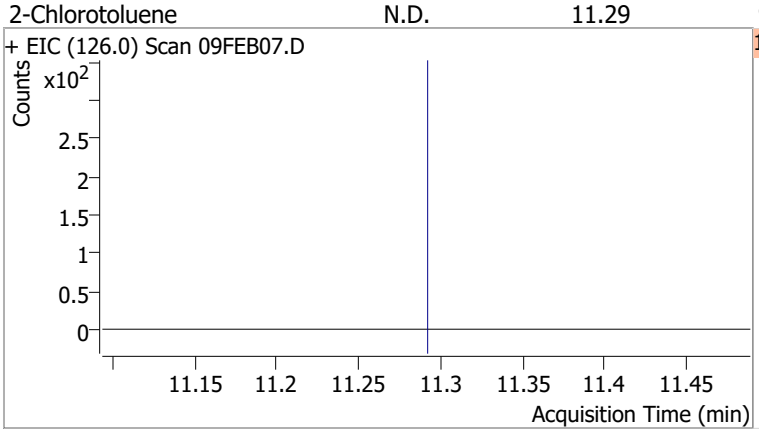


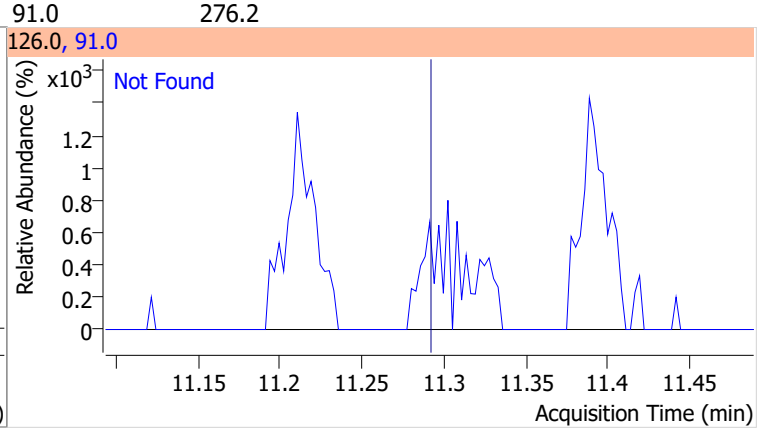
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



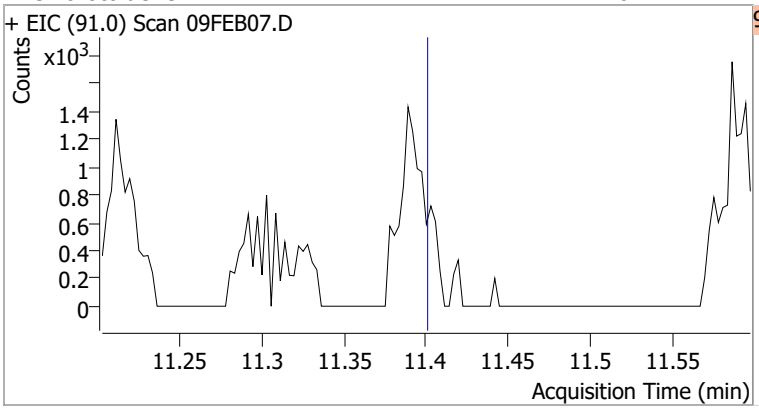


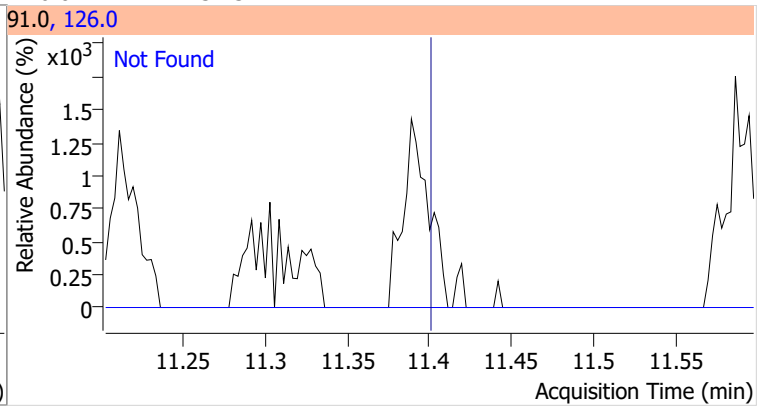
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



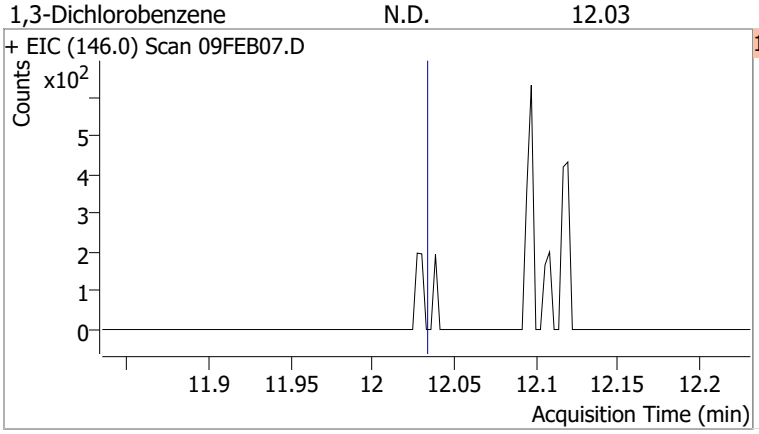


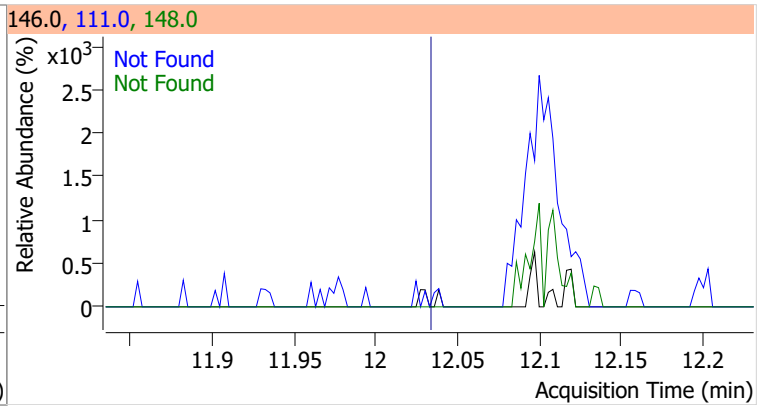
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



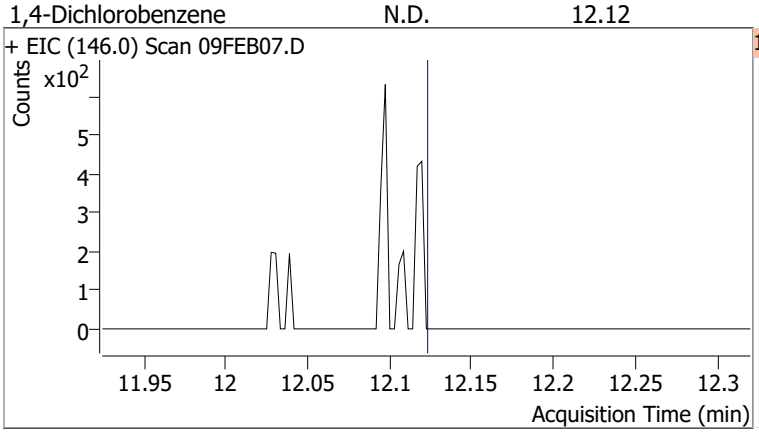


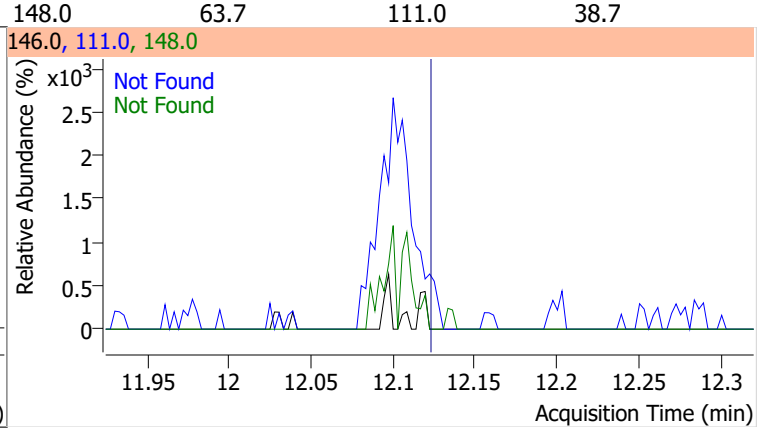
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



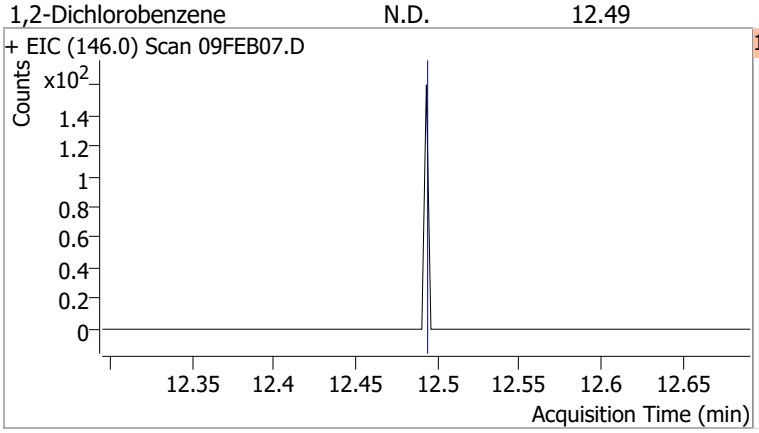


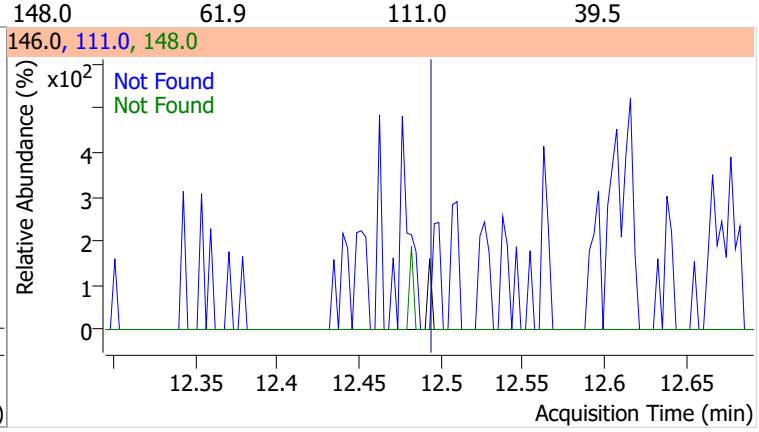
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





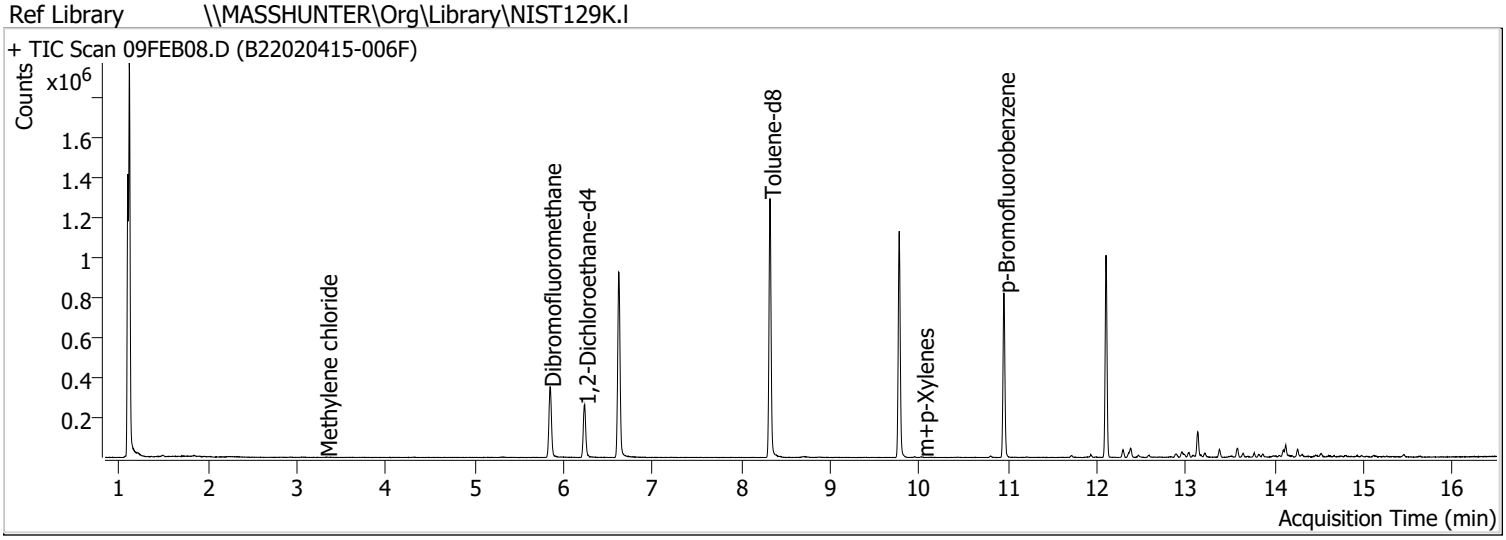
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB08.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 8:50:19 AM
Sample Name	B22020415-006F	Instrument	VOA5975C
Vial	8	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

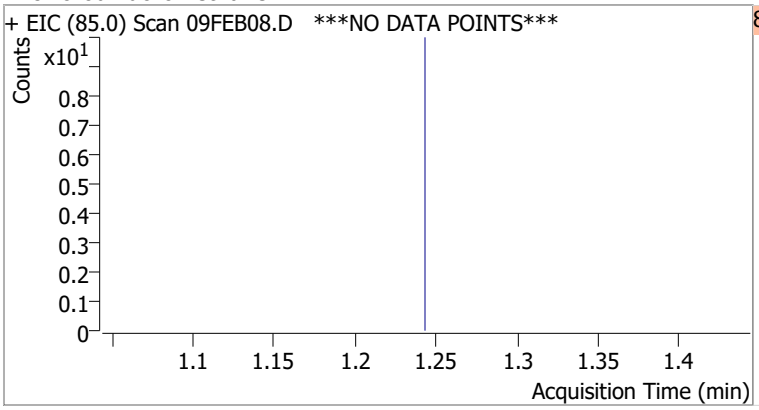


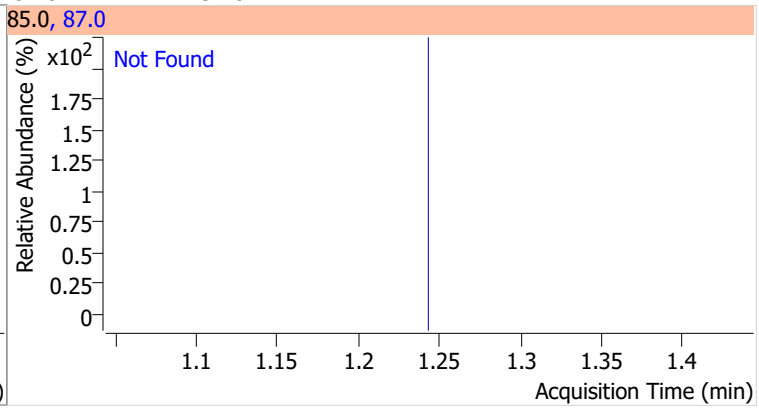
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	793176	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	310710	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	240417	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.848	113.0	214917	279.7465	ng		-0.003
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 111.90%			
S 1,2-Dichloroethane-d4	6.236	67.0	95275	287.0884	ng		0.006
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 114.84%			
S Toluene-d8	8.321	98.0	797577	263.1160	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 105.25%			
S p-Bromofluorobenzene	10.951	95.0	232052	261.4154	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 104.57%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	0.000		0	N.D.			
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.327	49.0	577	0.4978	ng	m	82
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	0.000		0	N.D.			
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	10.039	106.0	370	2.0319	ng	m	96
T o-Xylene	0.000		0	N.D.			
T Styrene	10.438	104.0	0		ng	md	1
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

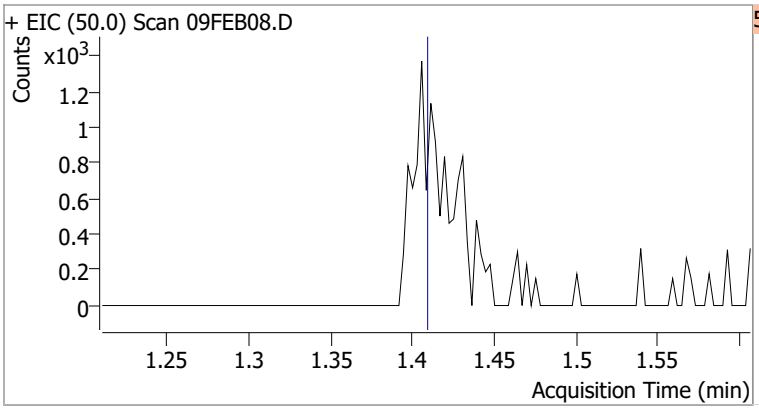
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

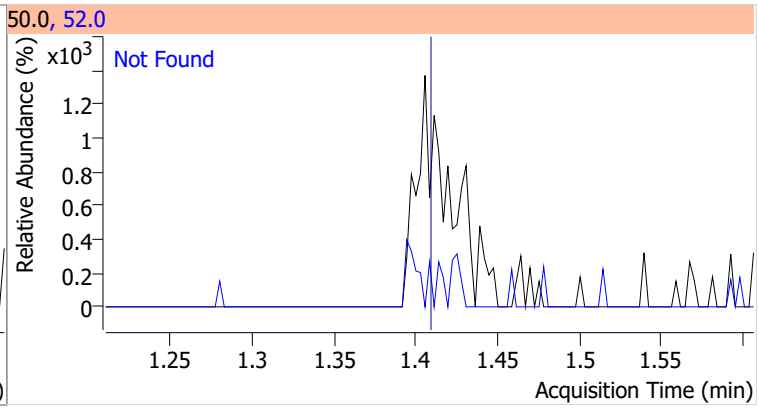
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8



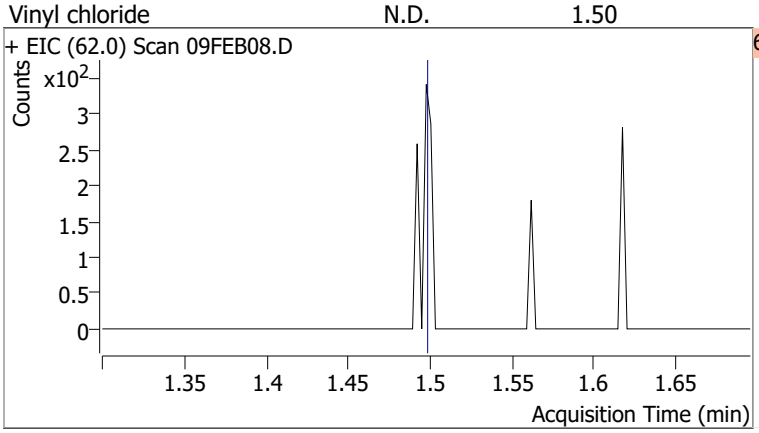


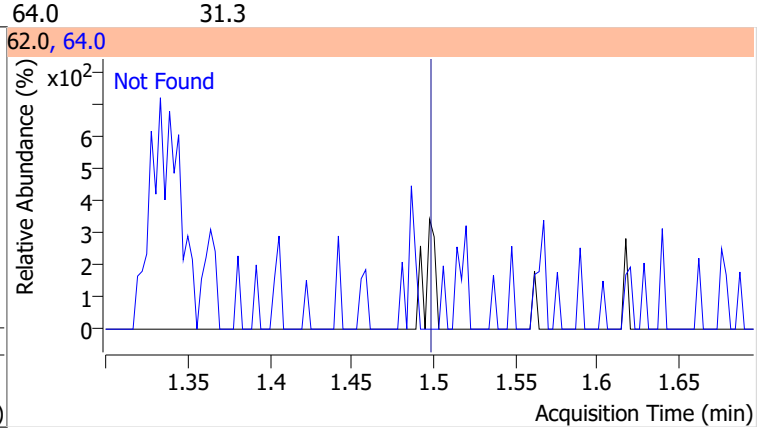
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloromethane	N.D.	1.41	52.0	32.4



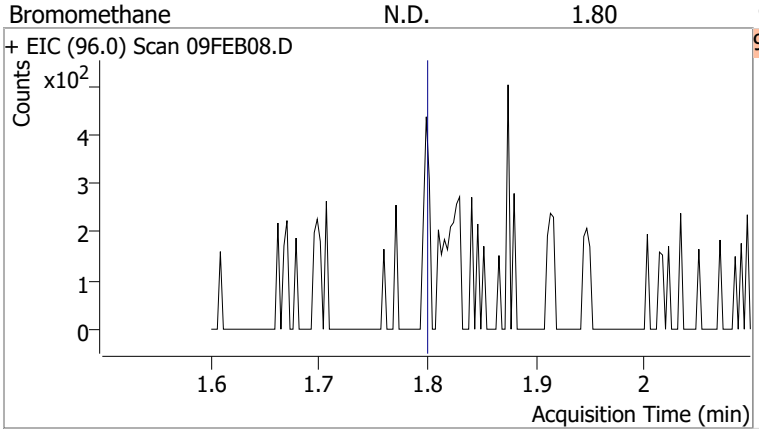


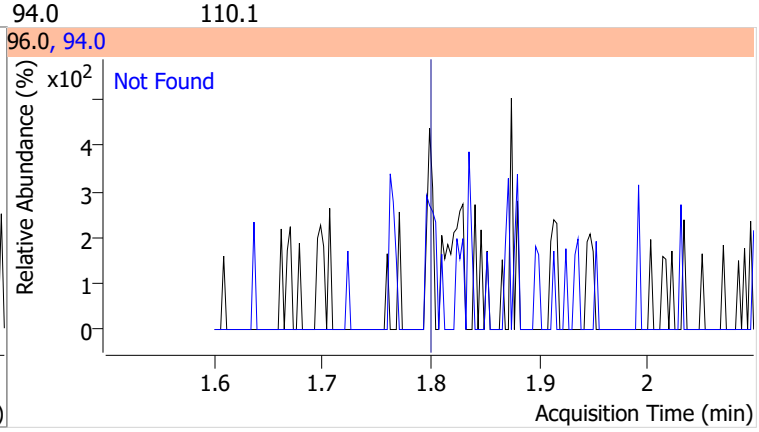
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



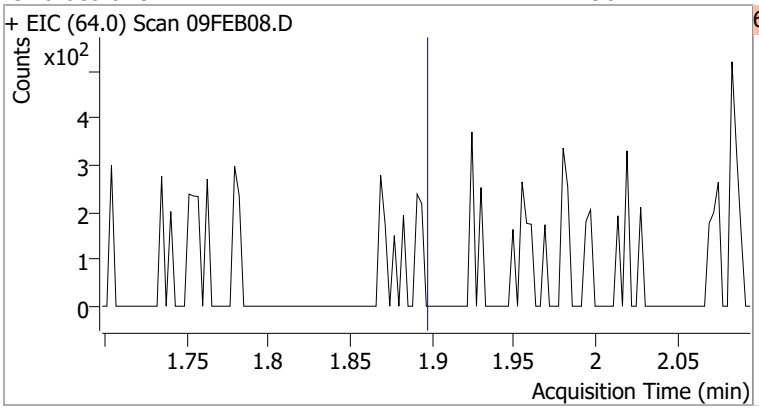


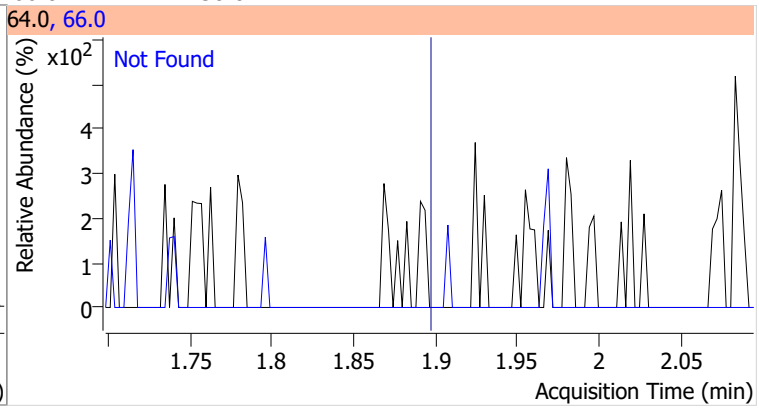
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



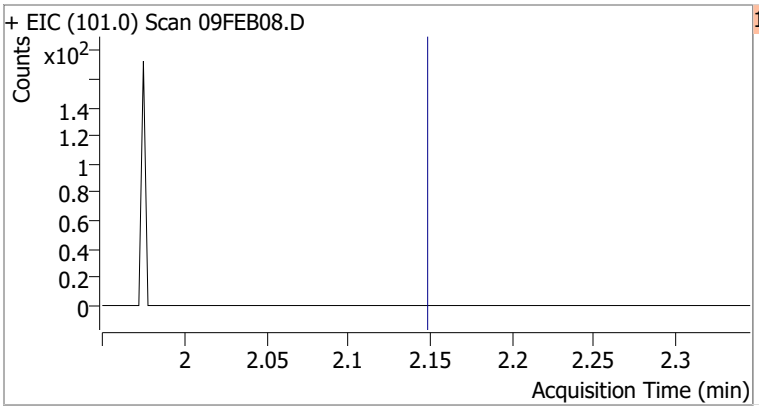


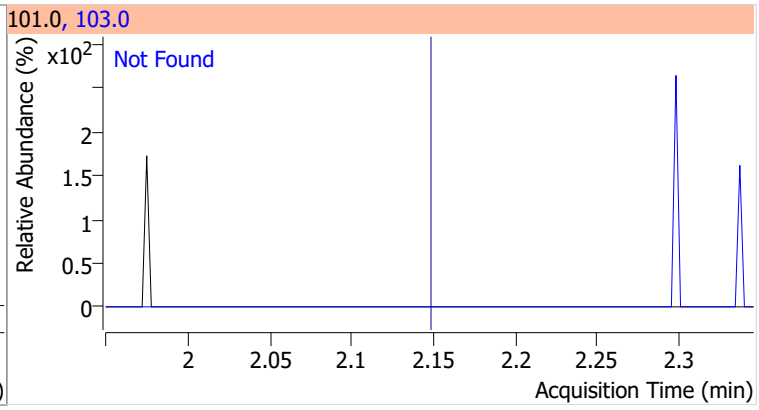
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



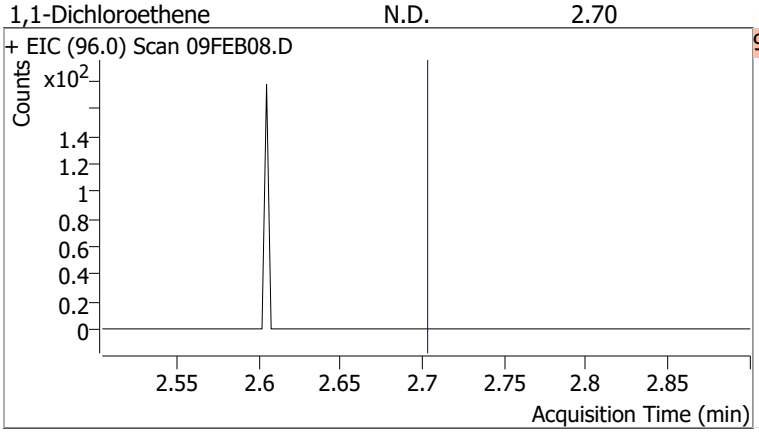


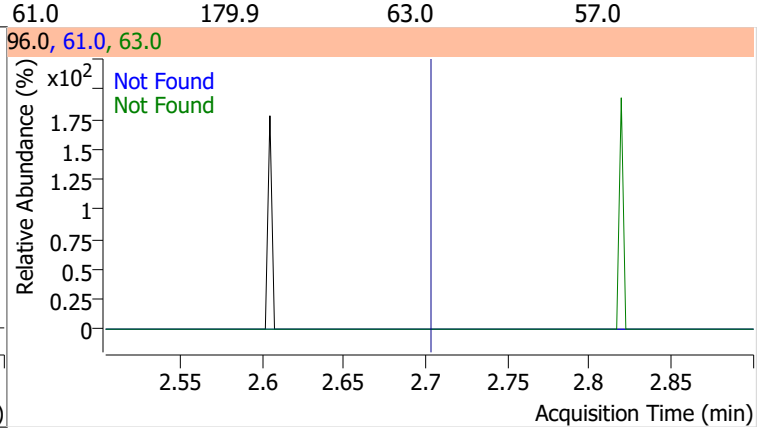
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



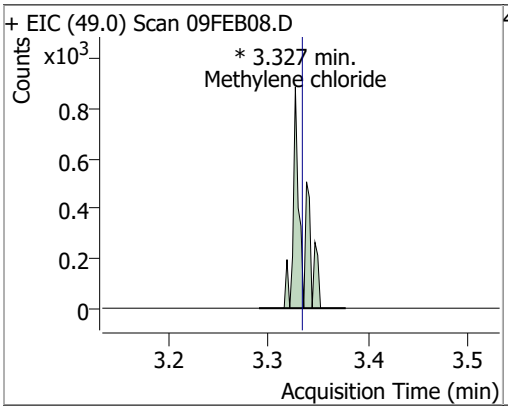


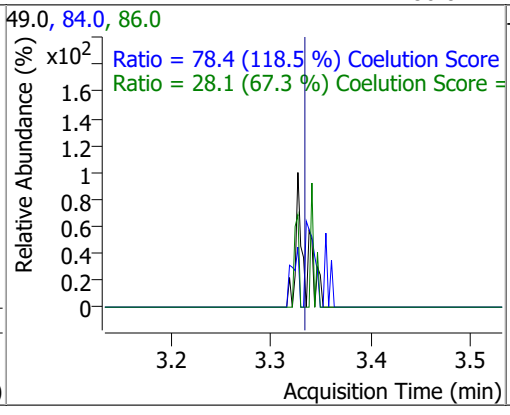
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

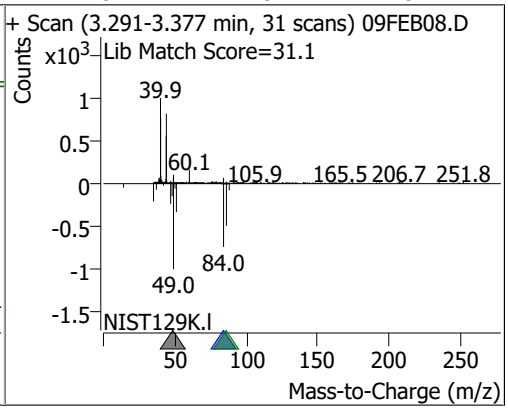




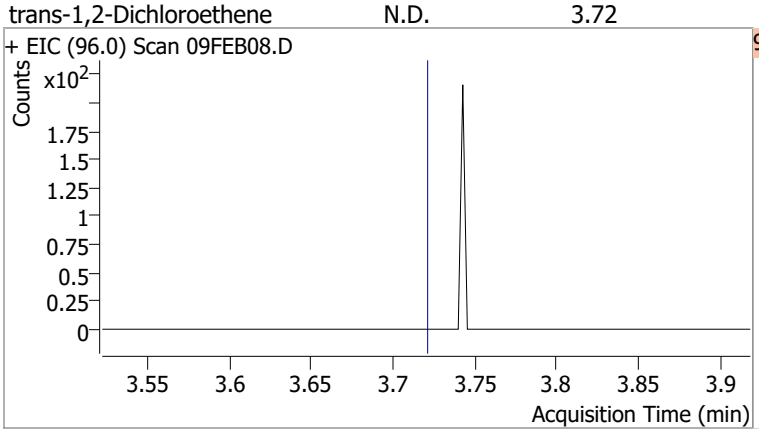
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	0.4978	3.33	-0.01	577 (m)	84.0	78.4	36.1	96.1
					86.0	28.1	11.8	71.8

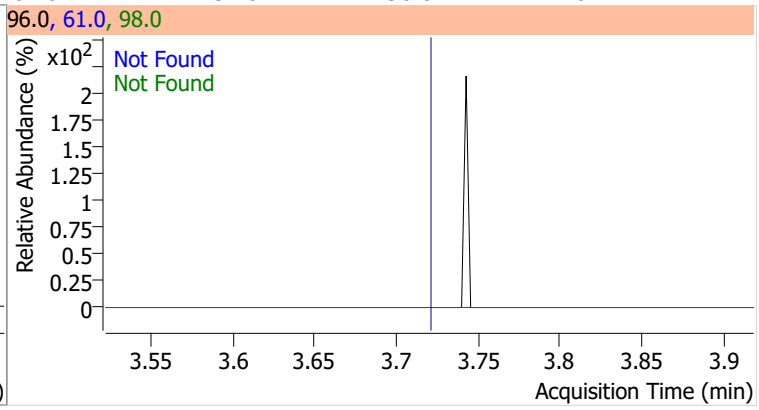




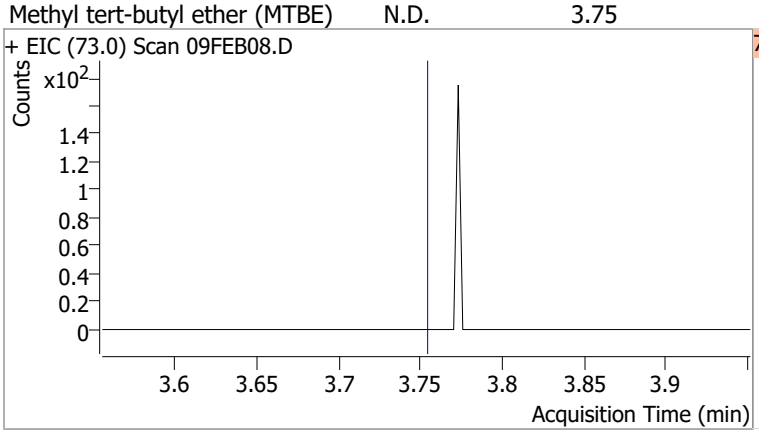


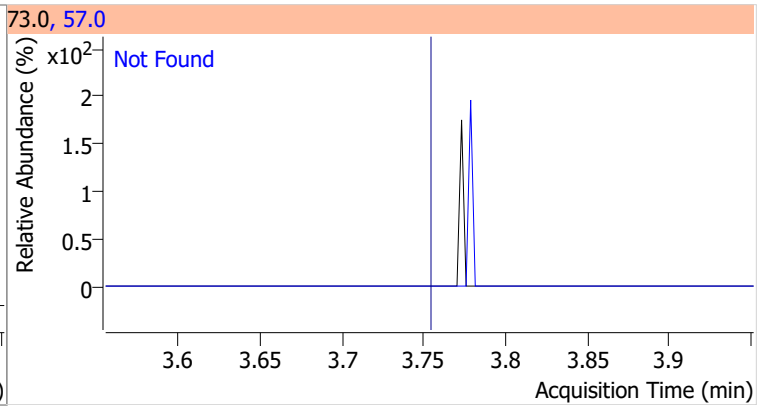
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



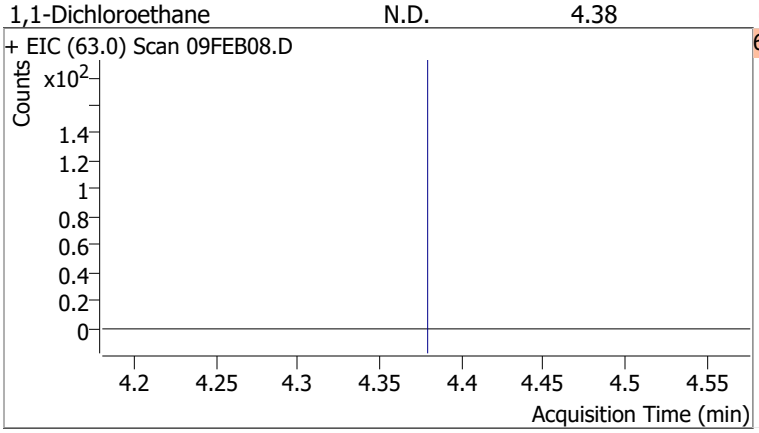


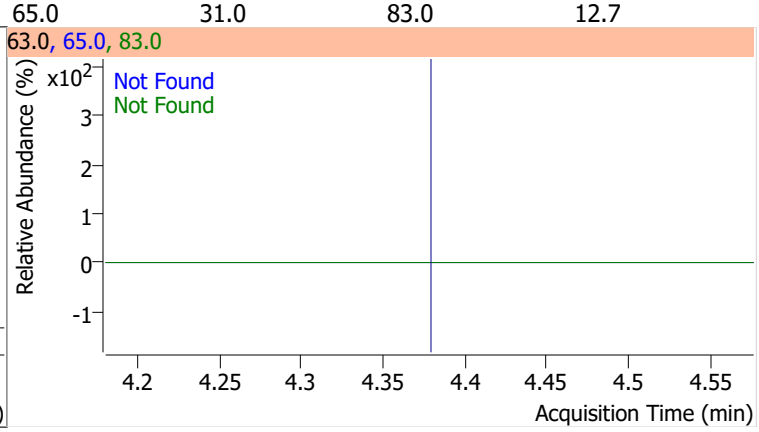
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



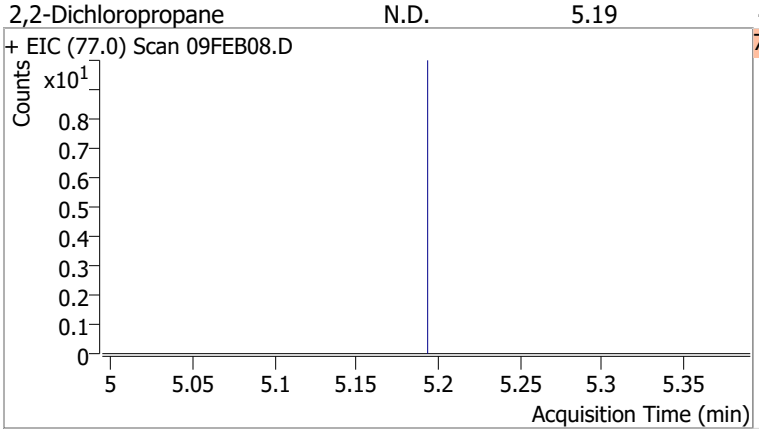


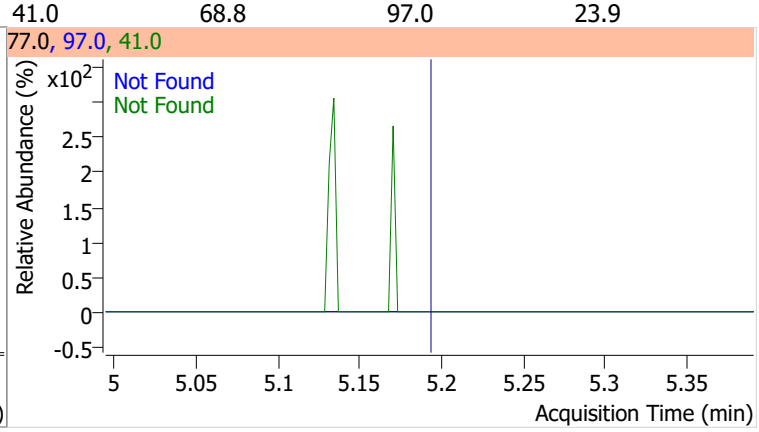
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



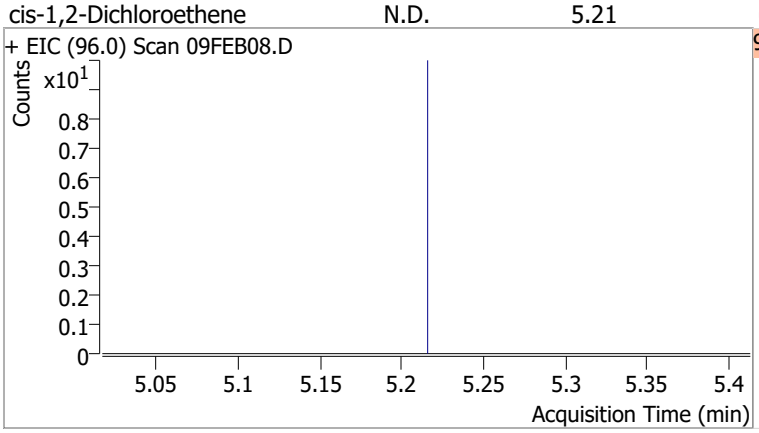


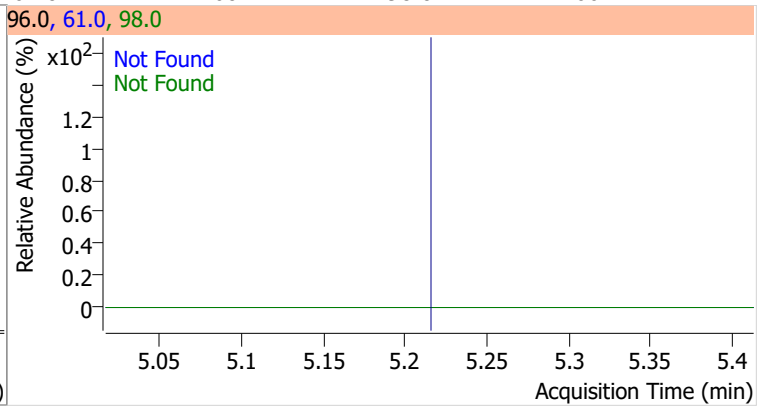
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



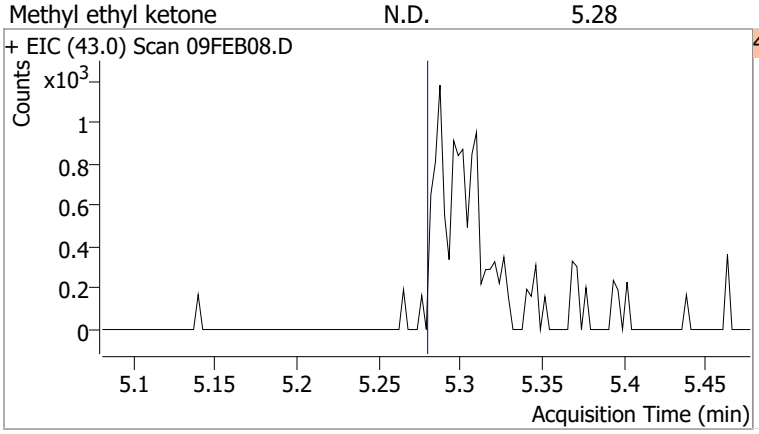


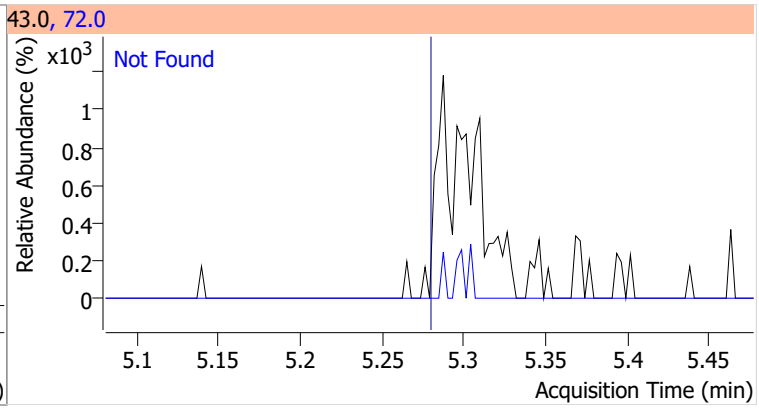
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



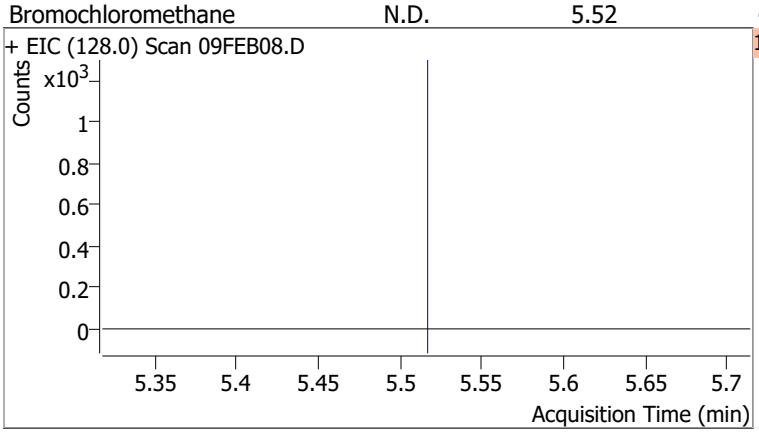


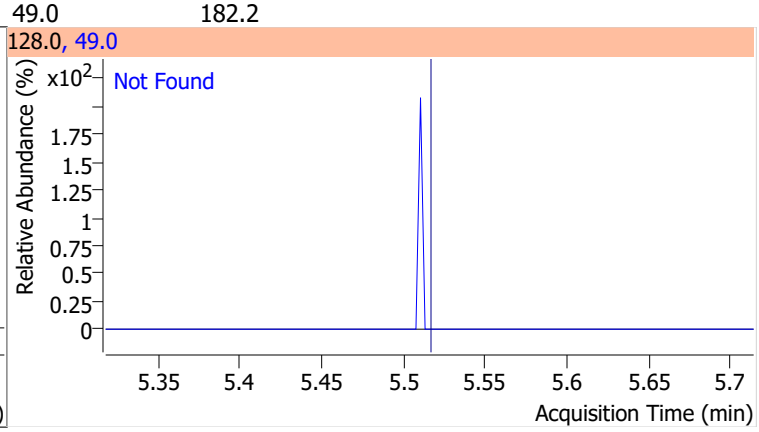
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



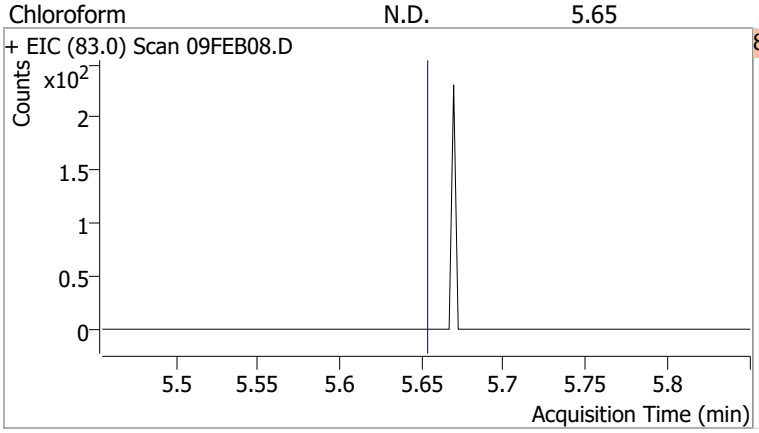


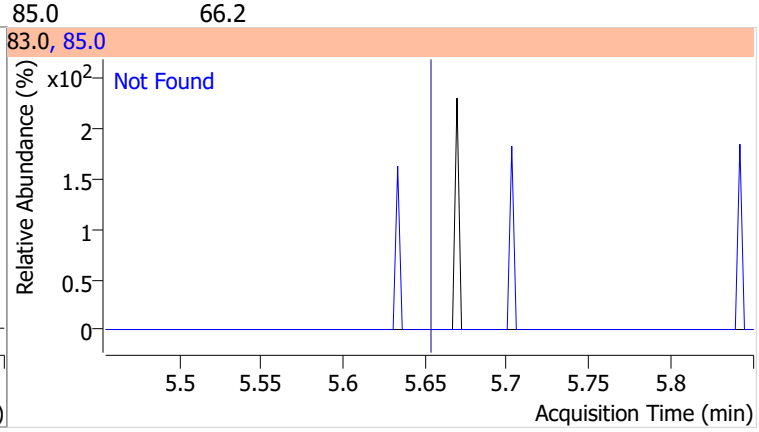
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2



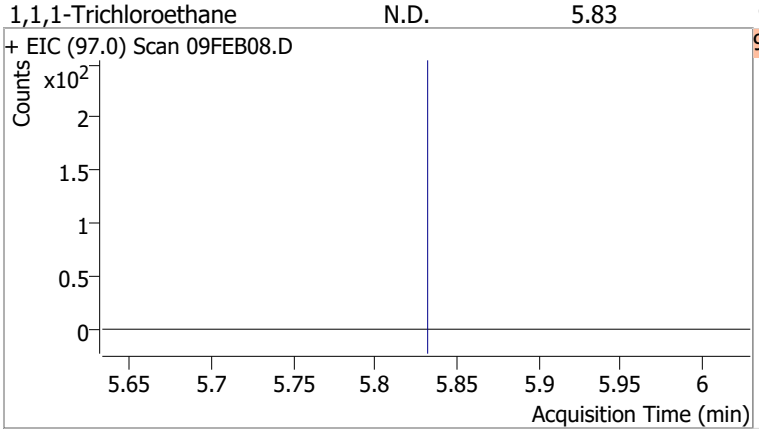


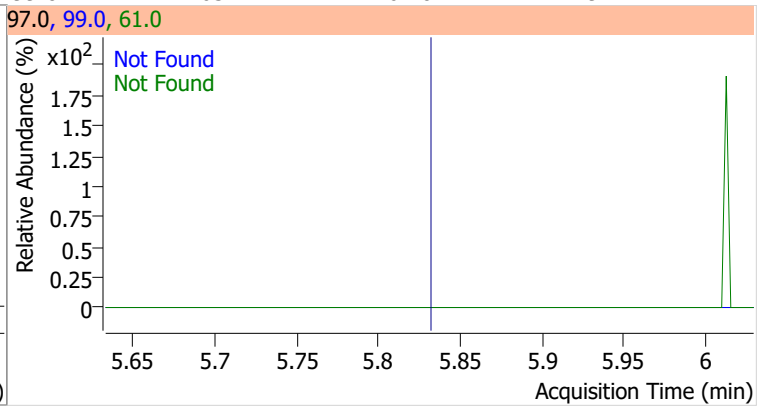
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroform	N.D.	5.65	85.0	66.2



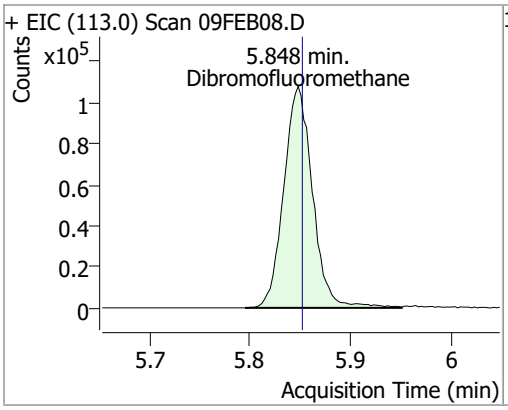


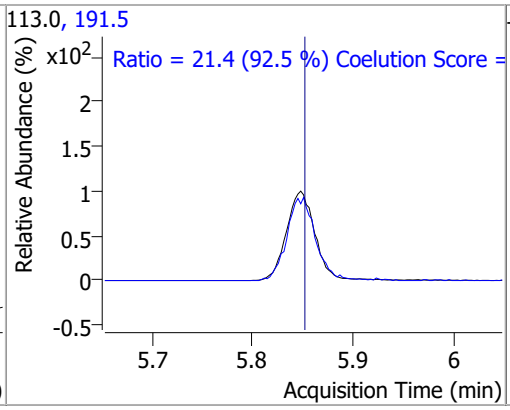
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

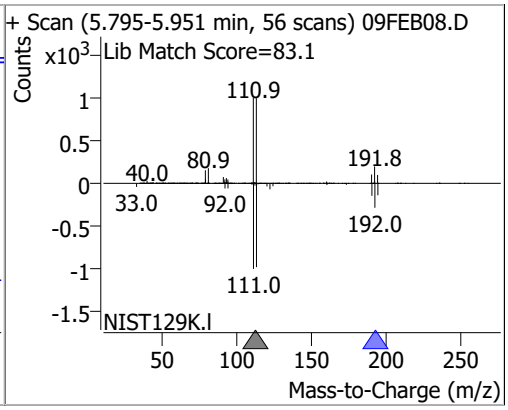




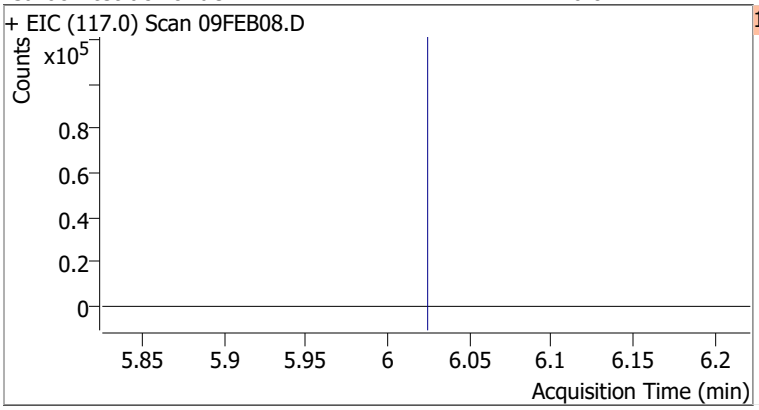
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	279.7465	5.85	0.00	214917	191.5	21.4	0.0	53.2

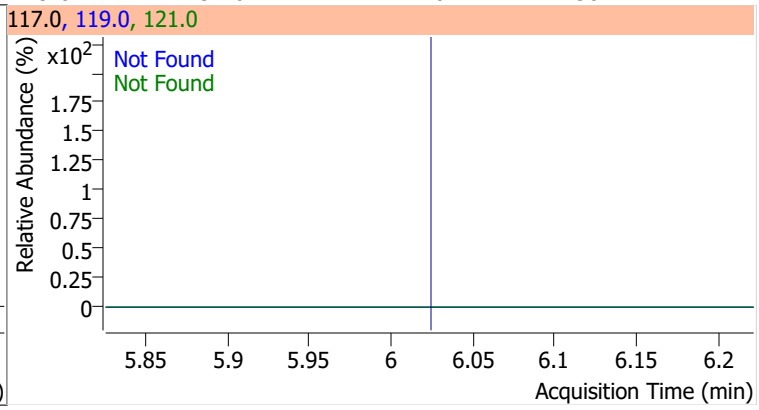




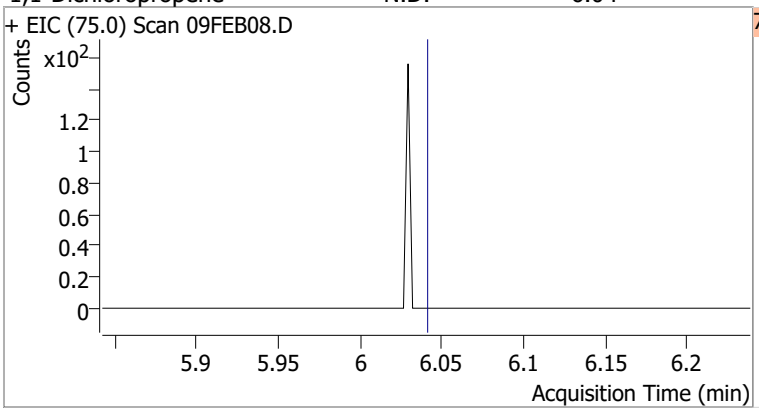


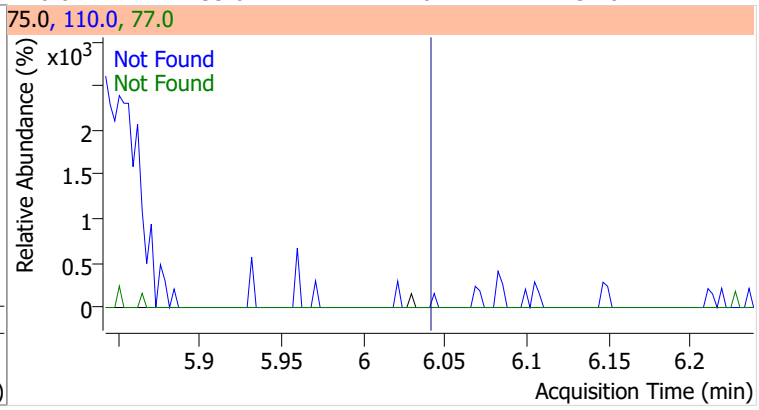
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7



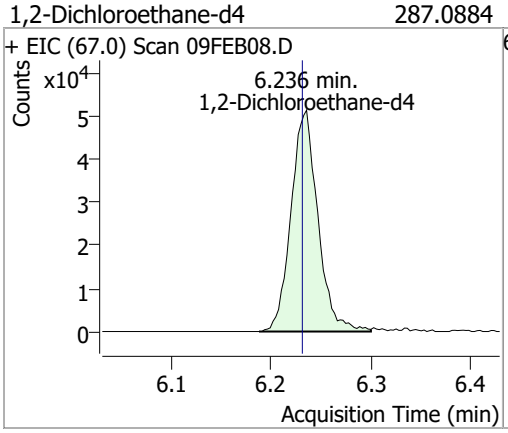


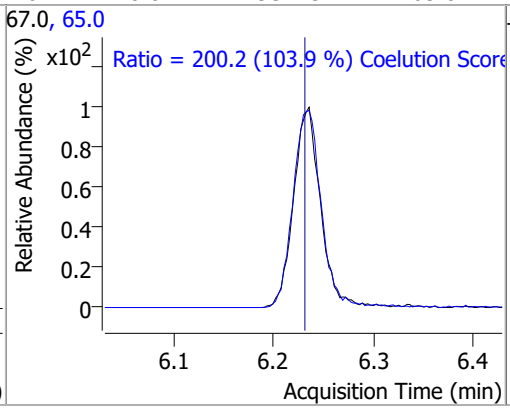
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

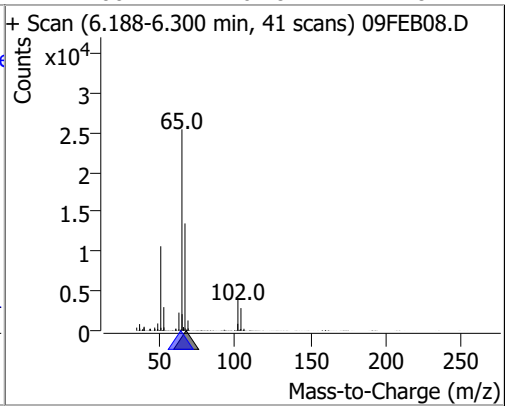




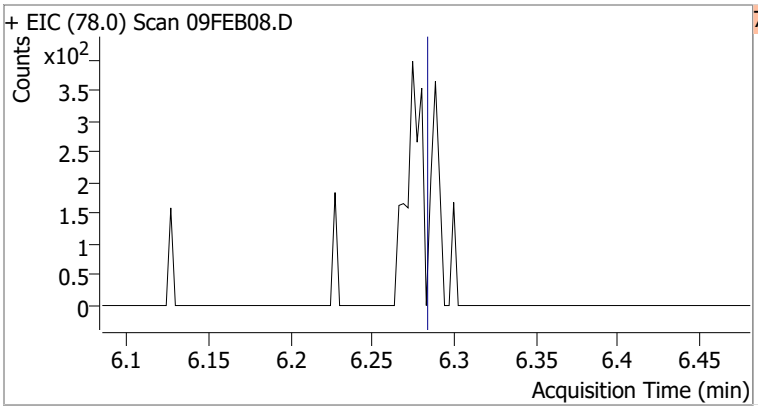
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	287.0884	6.24	0.01	95275	65.0	200.2	162.8	222.8

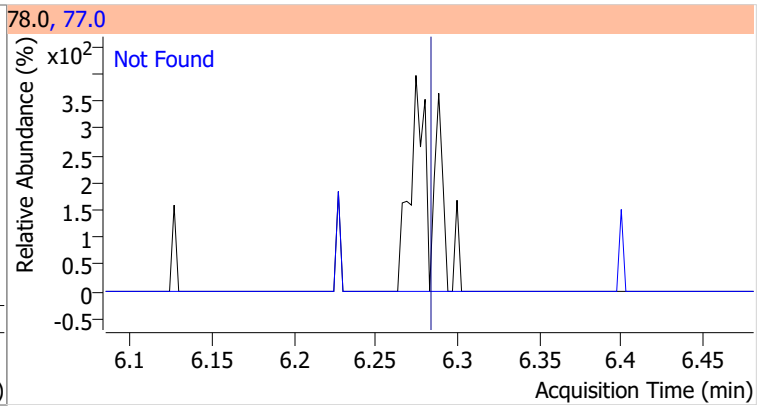




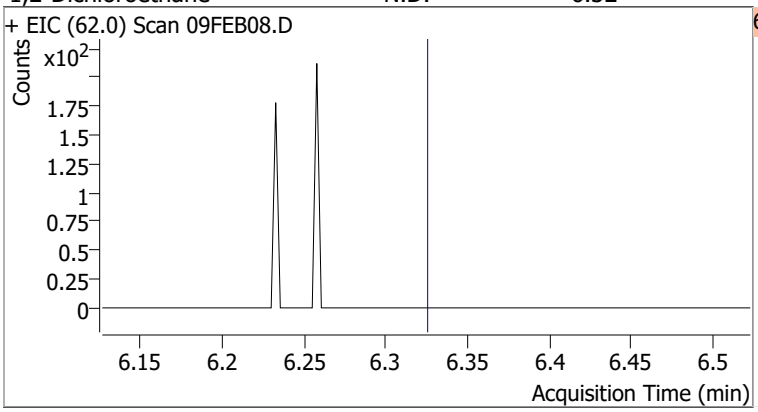


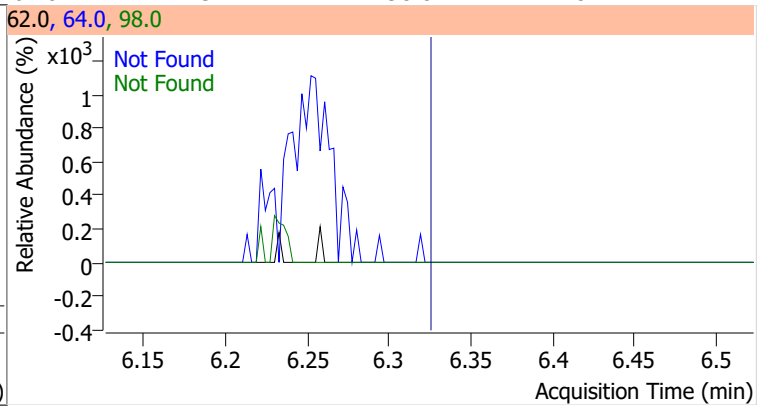
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



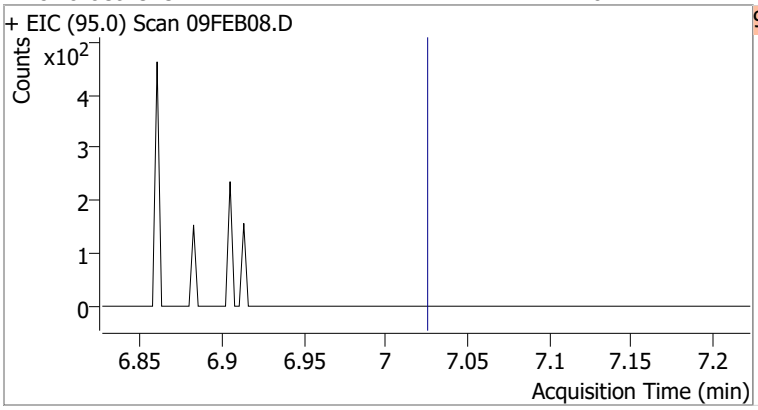


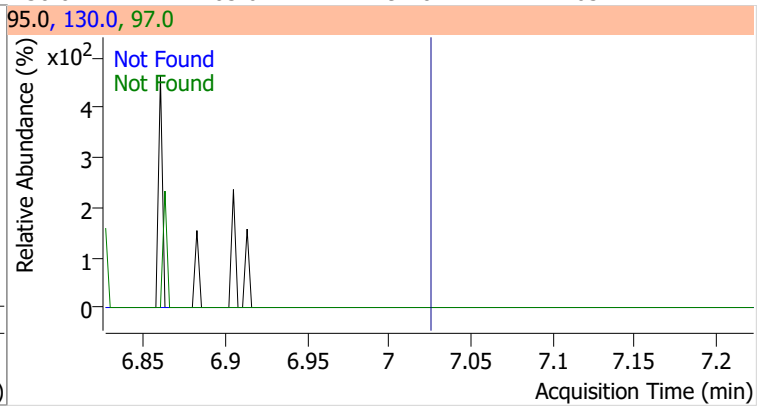
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



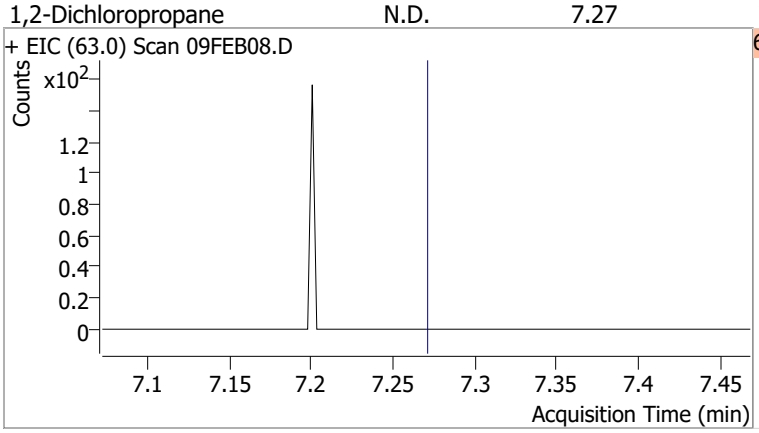


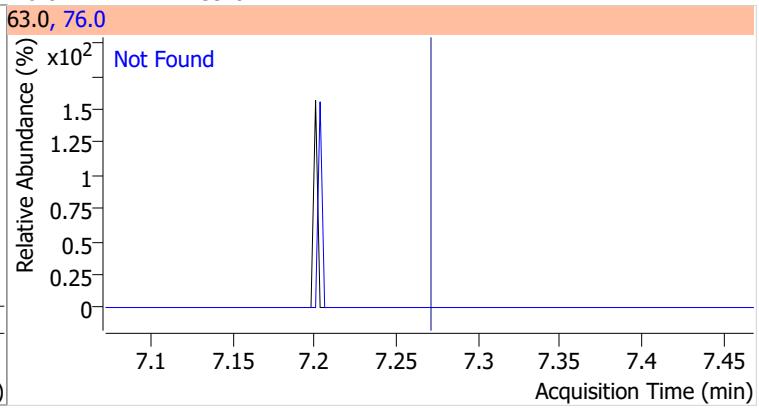
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



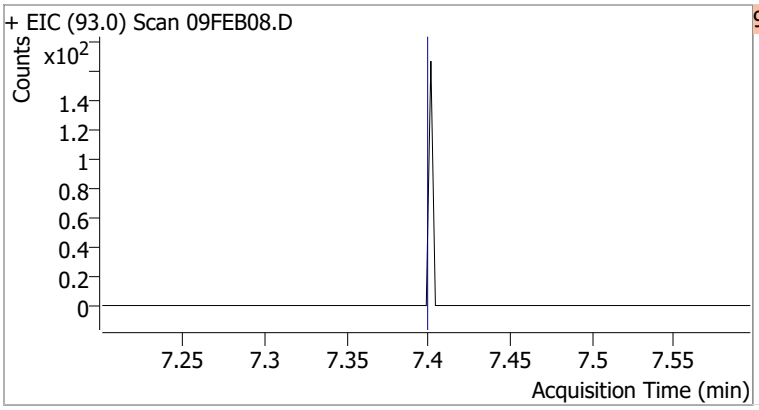


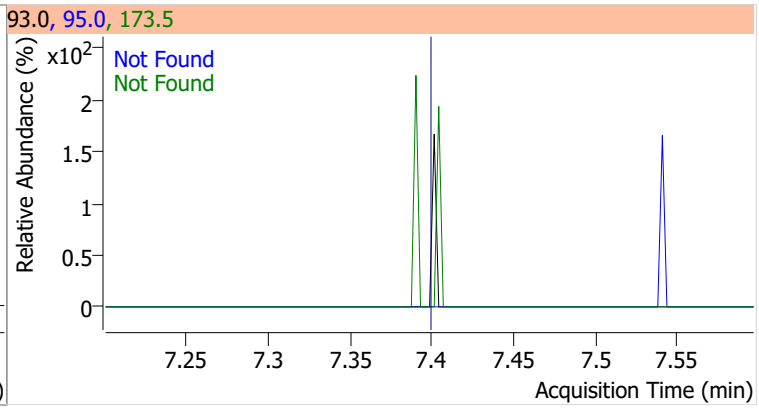
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



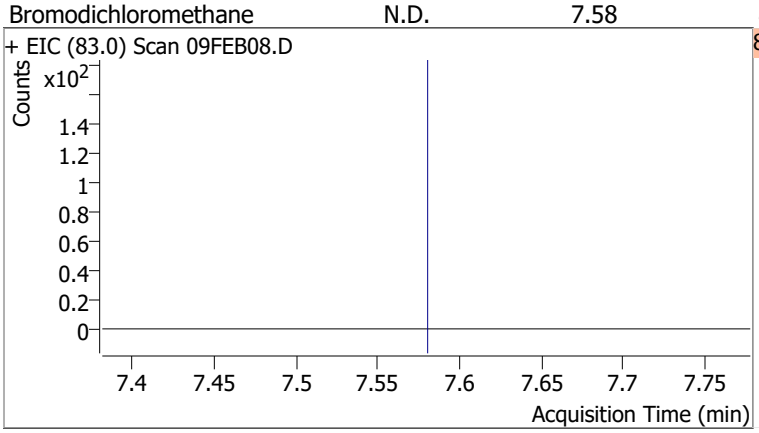


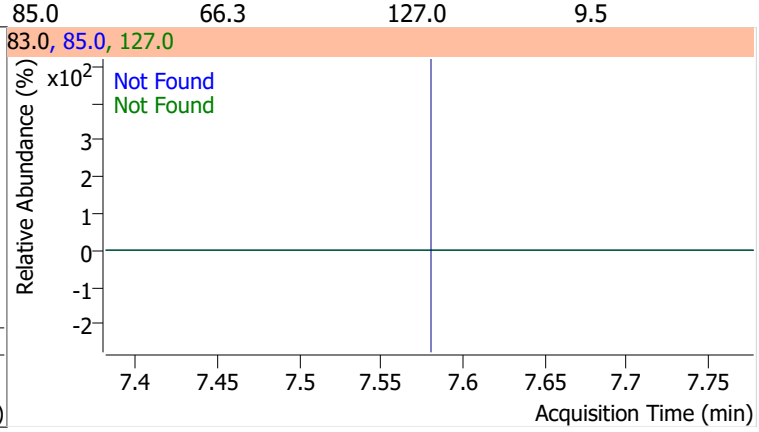
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



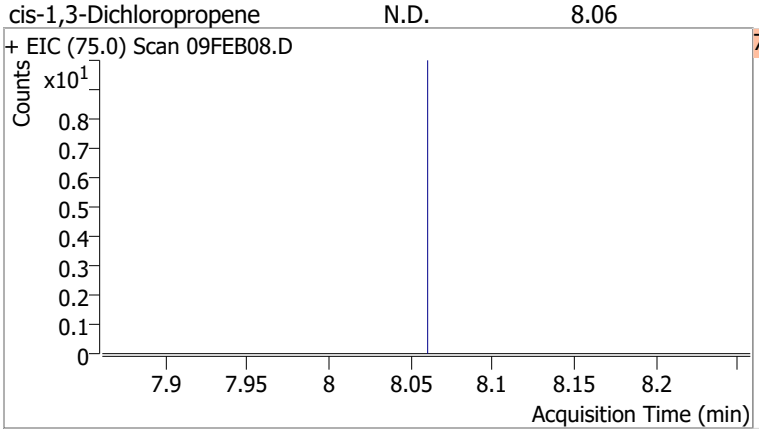


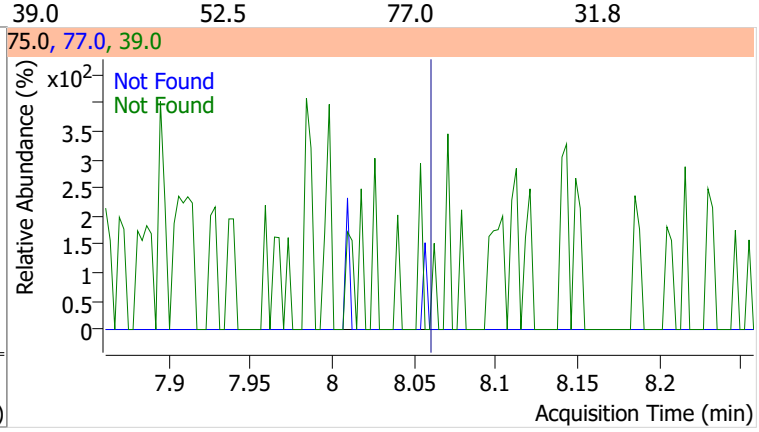
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



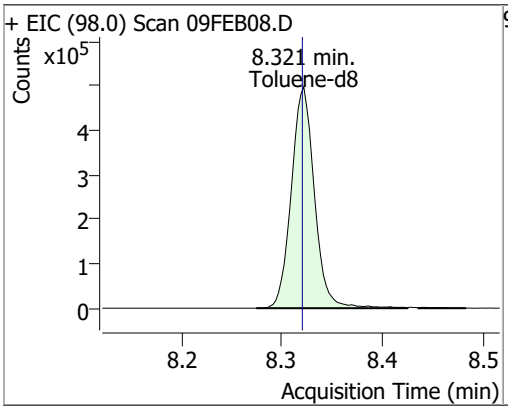


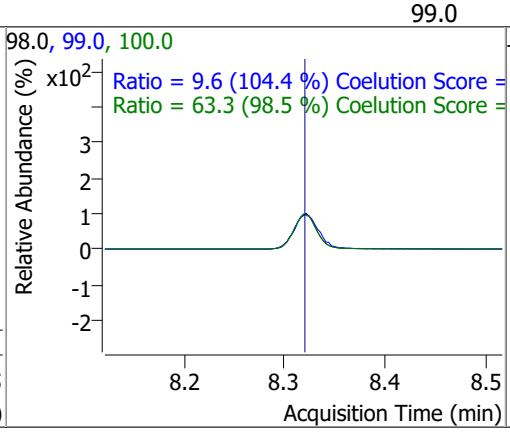
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

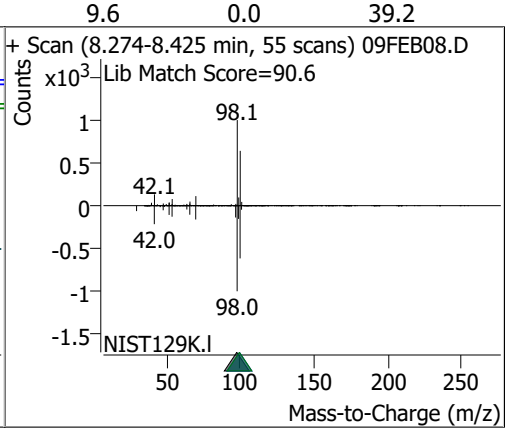




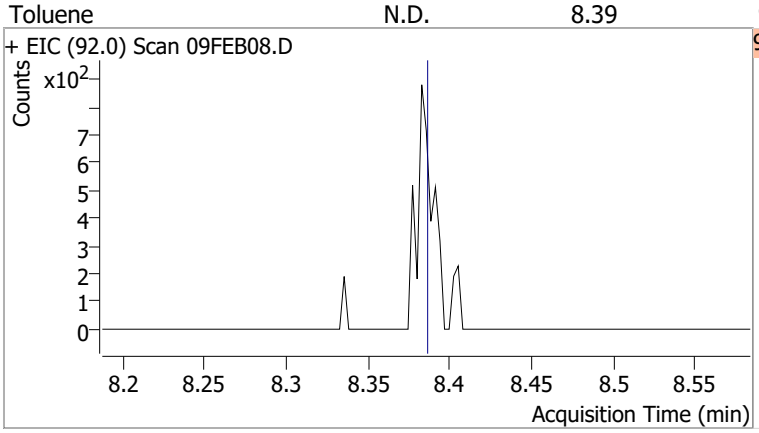
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	263.1160	8.32	0.00	797577	100.0	63.3	34.3	94.3
					99.0	9.6	0.0	39.2

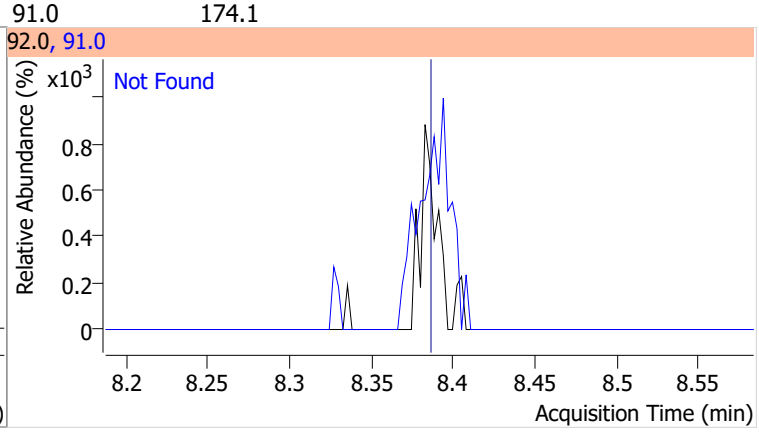




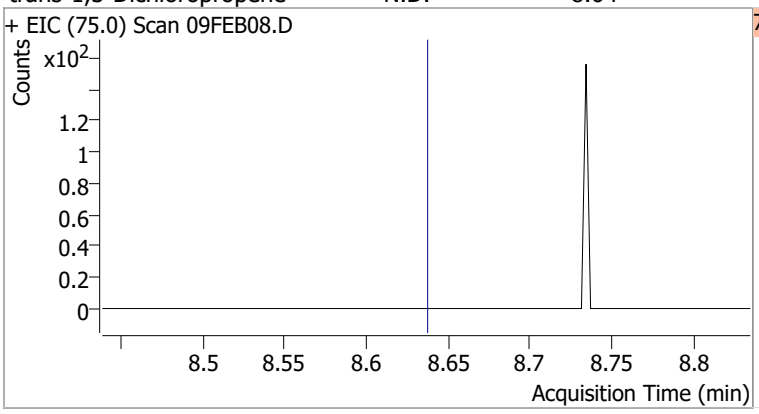


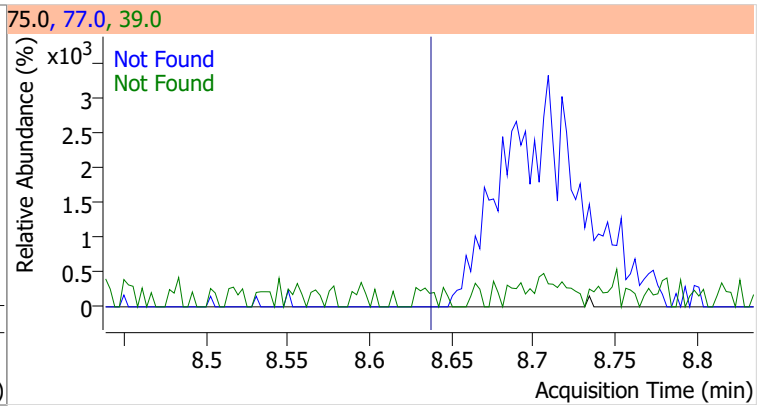
Compound	Conc.	Exp RT	QIon	Exp Ratio
Toluene	N.D.	8.39	91.0	174.1



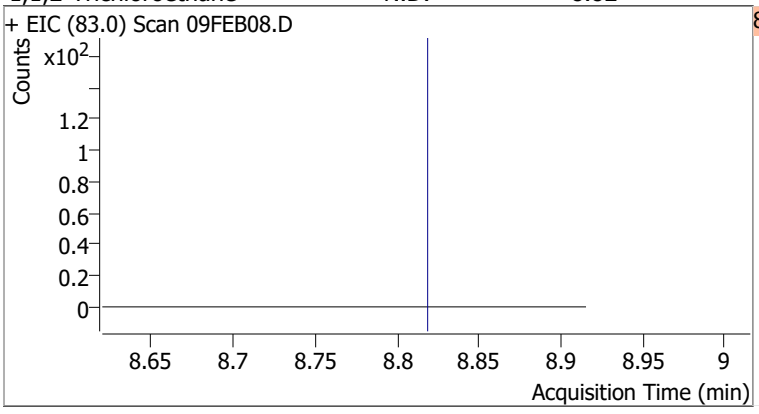


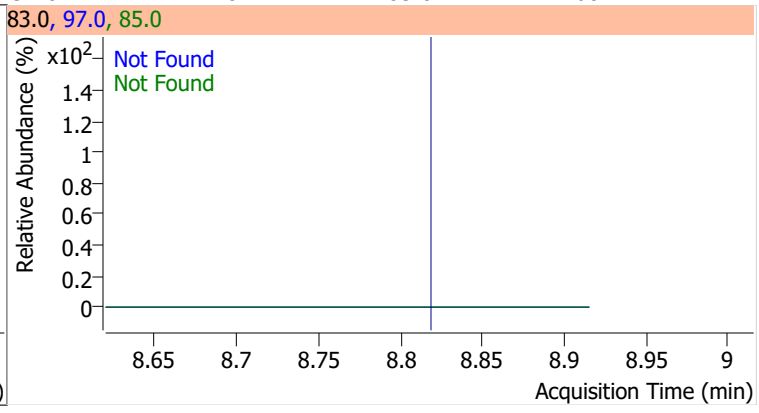
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



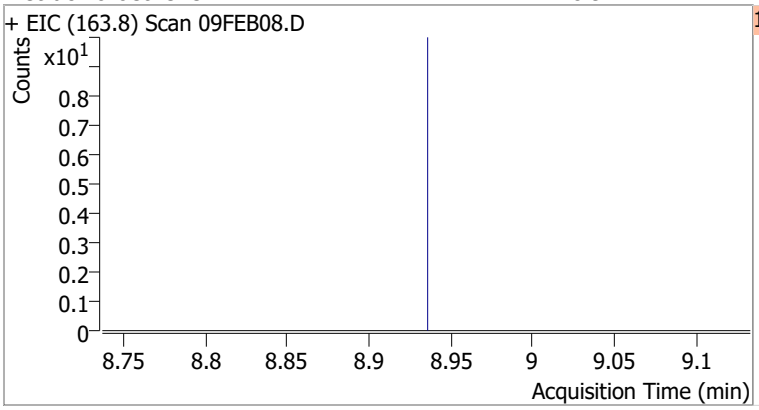


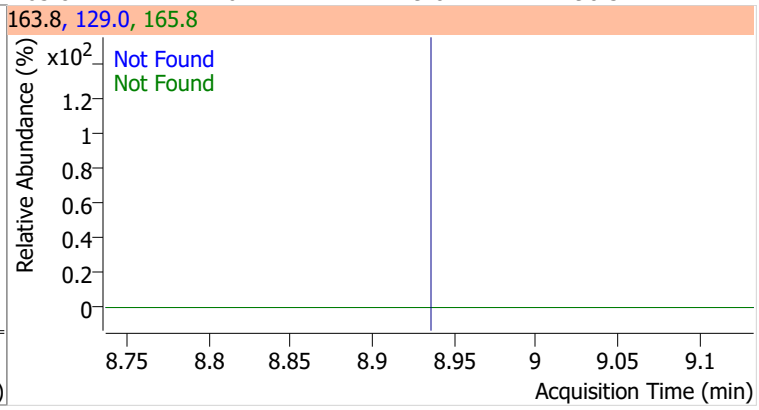
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



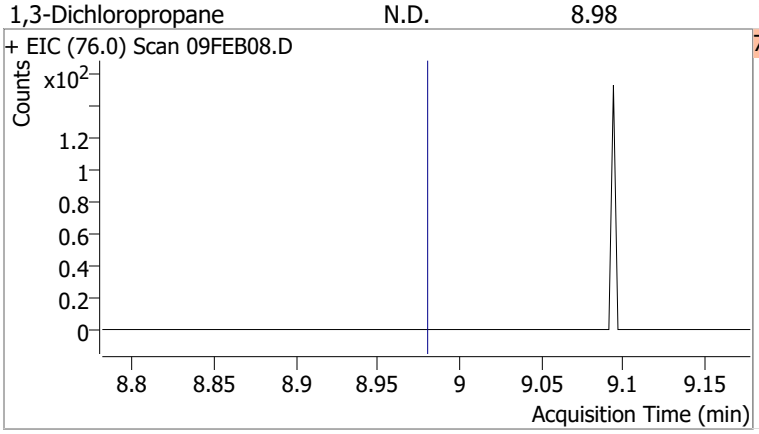


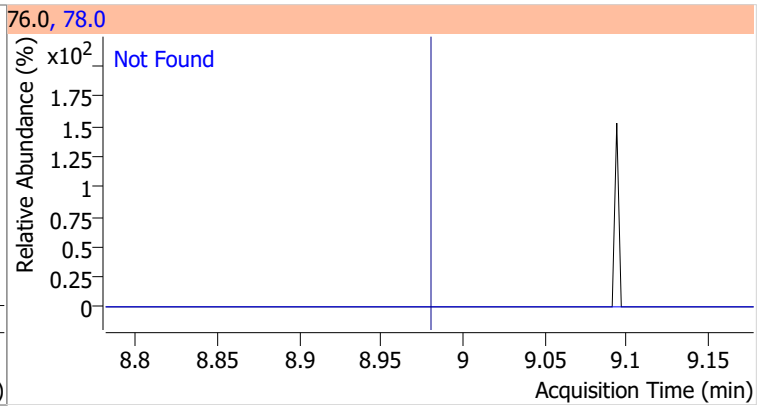
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



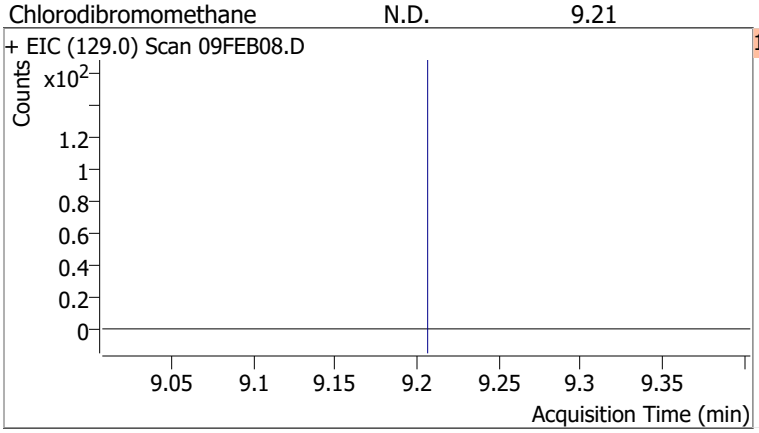


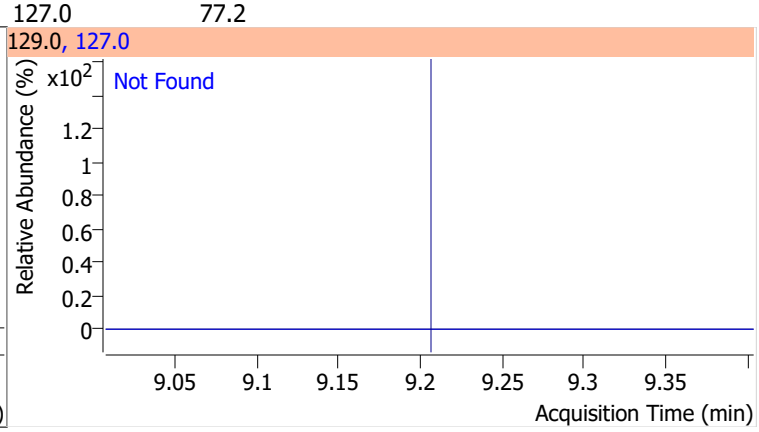
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



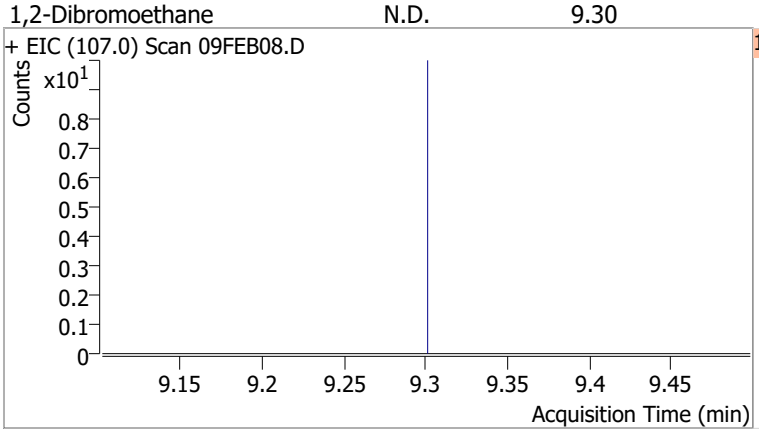


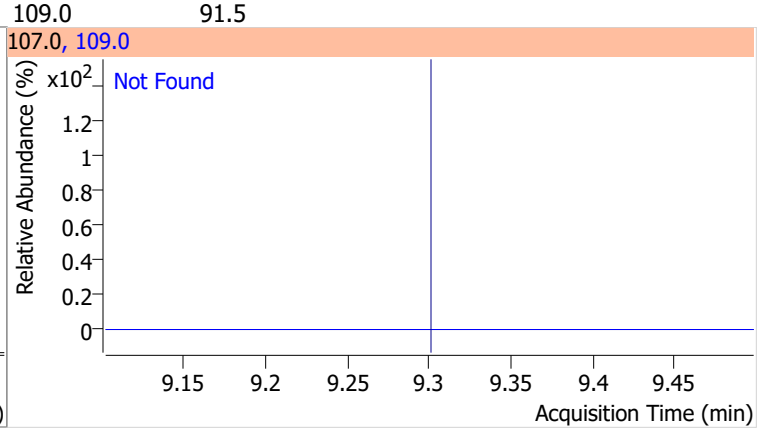
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



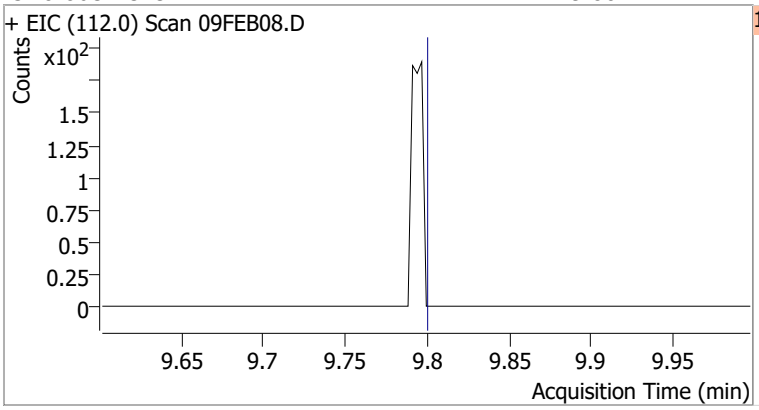


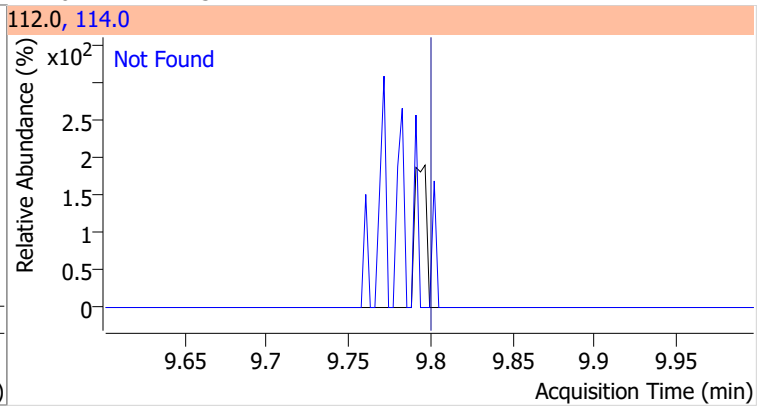
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



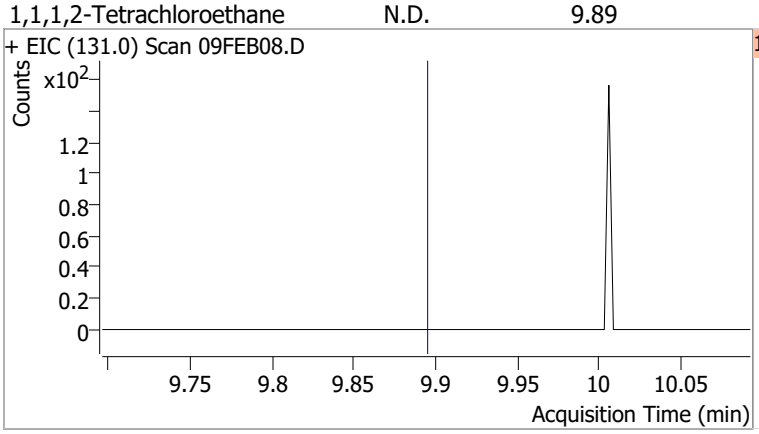


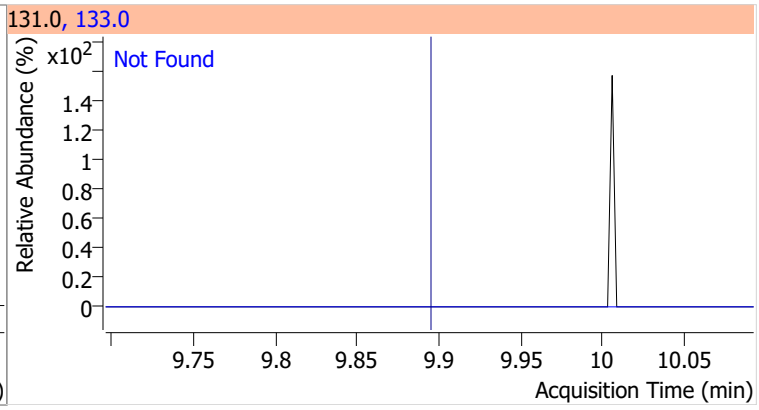
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



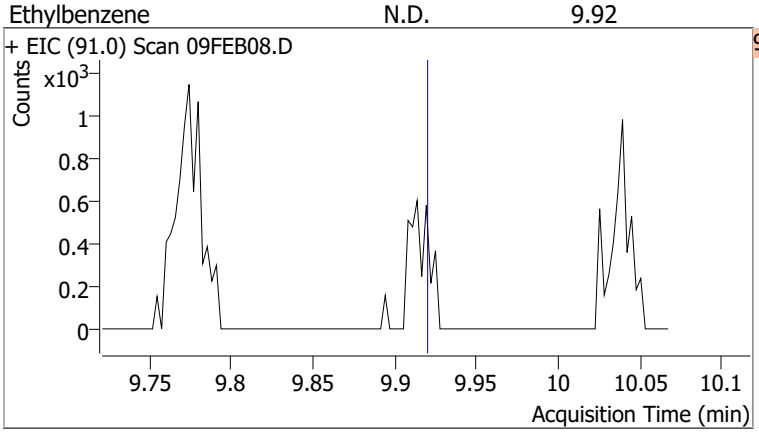


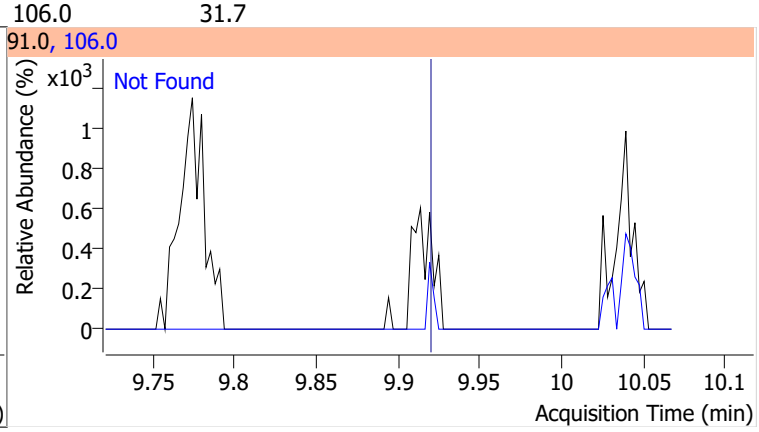
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



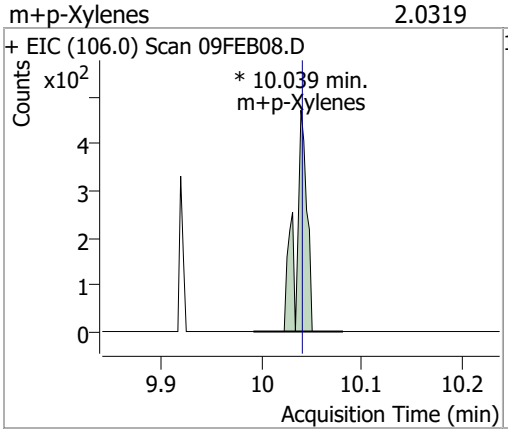


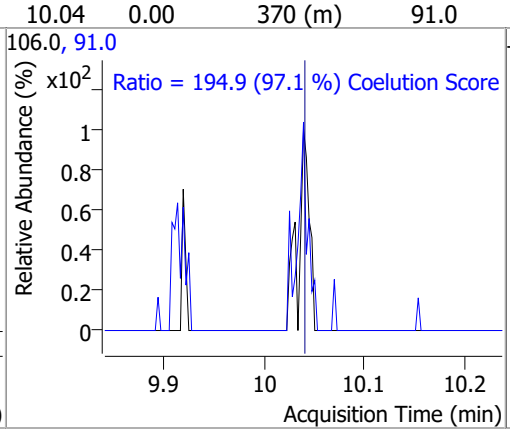
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7

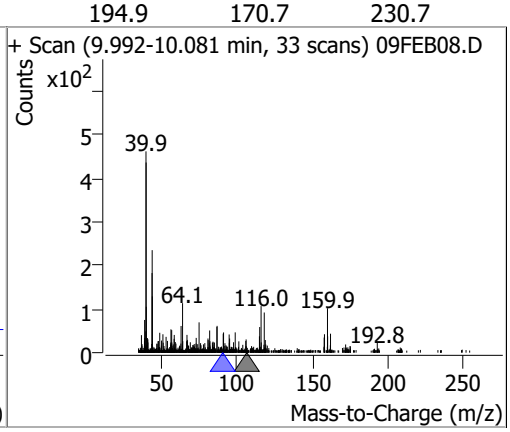




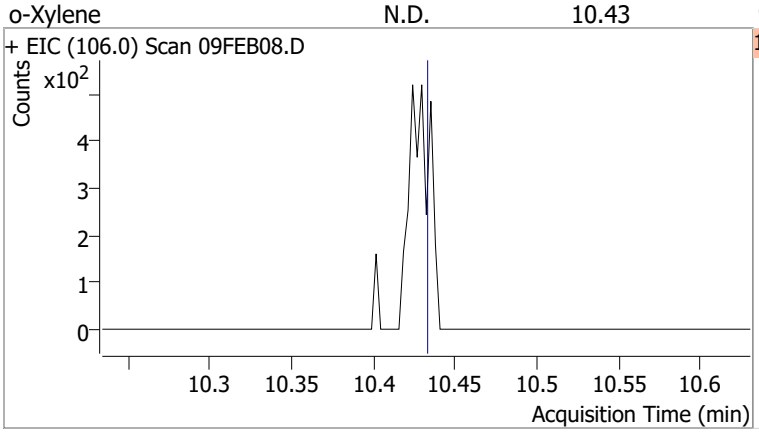
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	2.0319	10.04	0.00	370 (m)	91.0	194.9	170.7	230.7

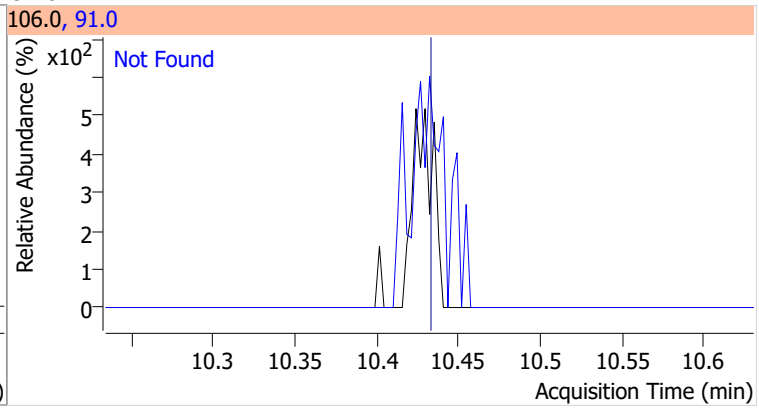




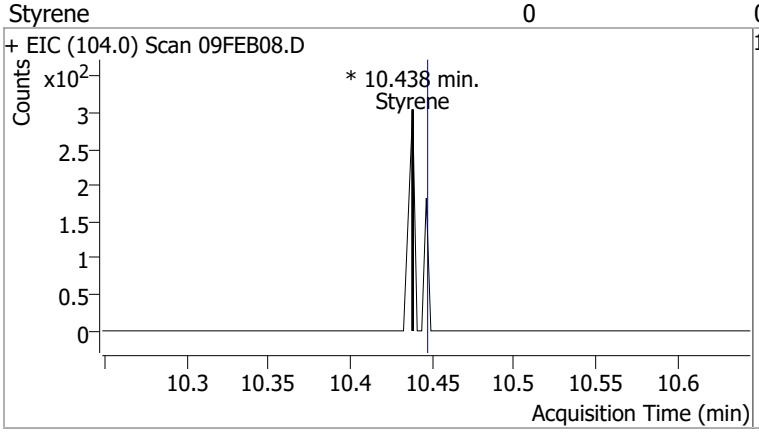


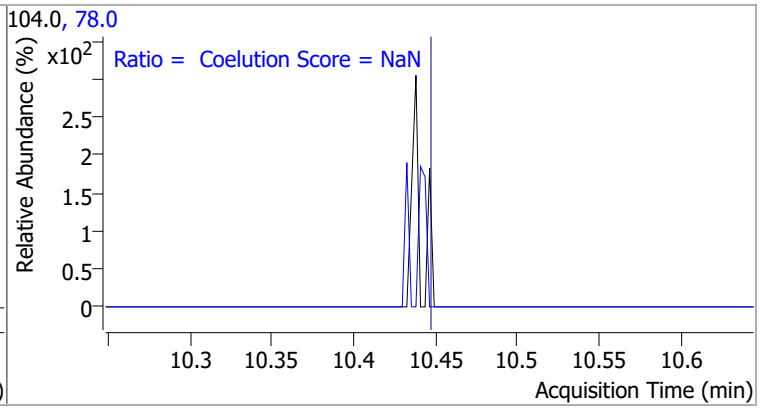
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



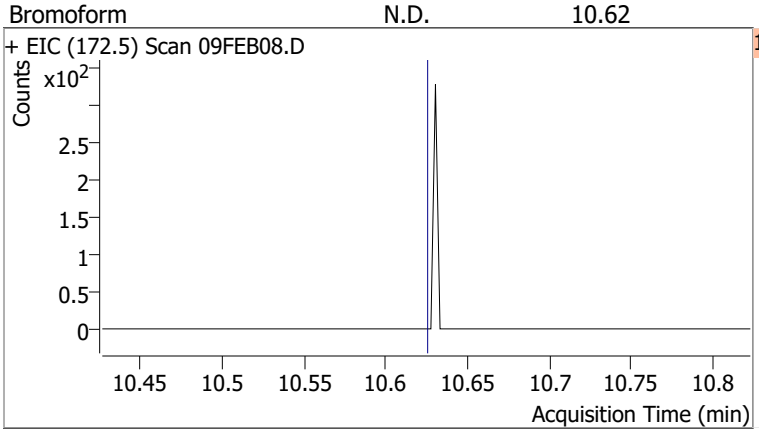


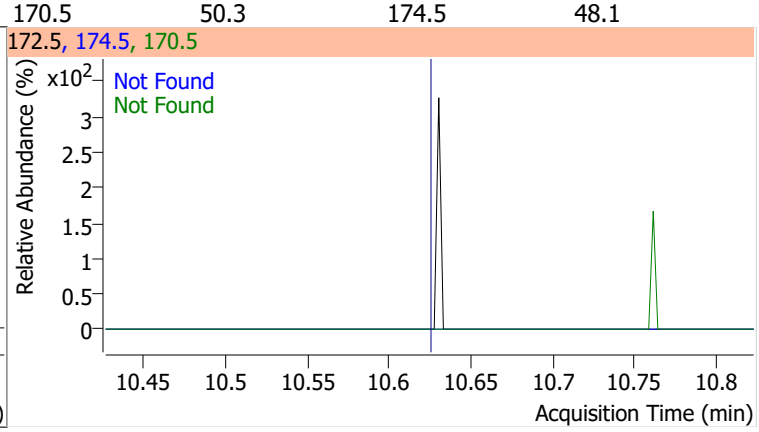
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene		0		0	78.0		20.6	80.6



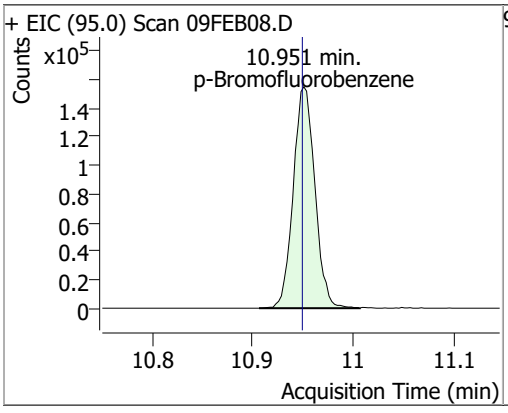


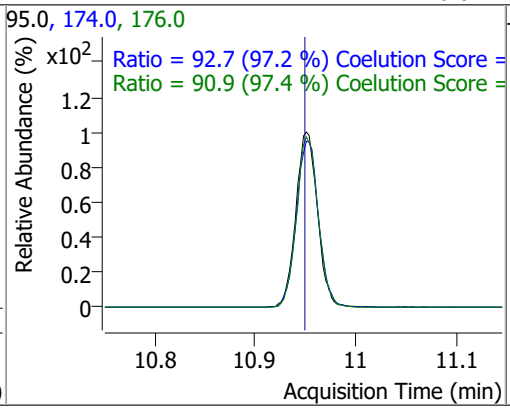
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

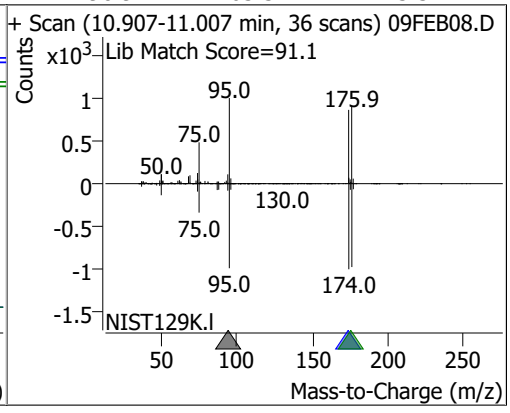




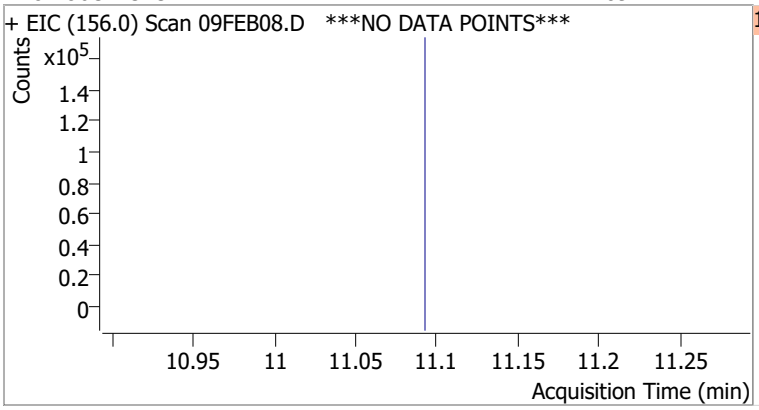
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	261.4154	10.95	0.00	232052	174.0	92.7	65.3	125.3
					176.0	90.9	63.3	123.3

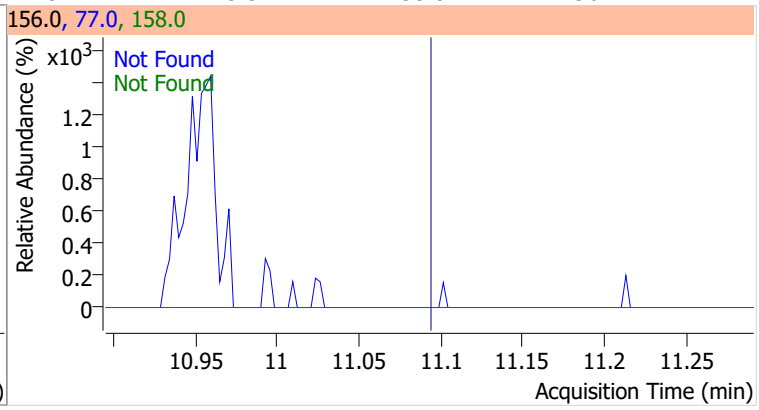




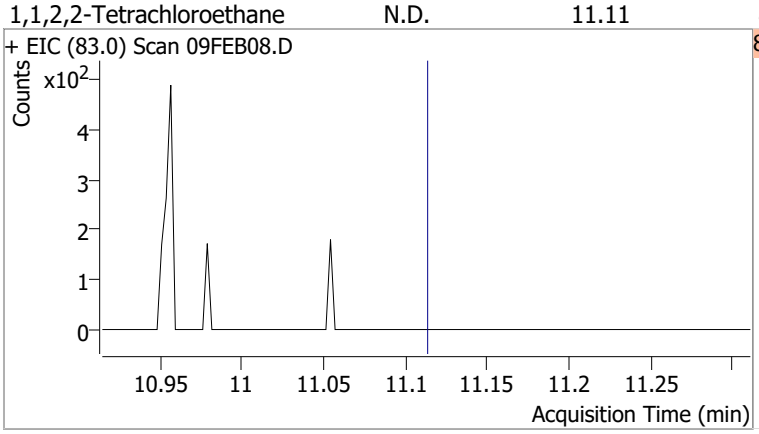


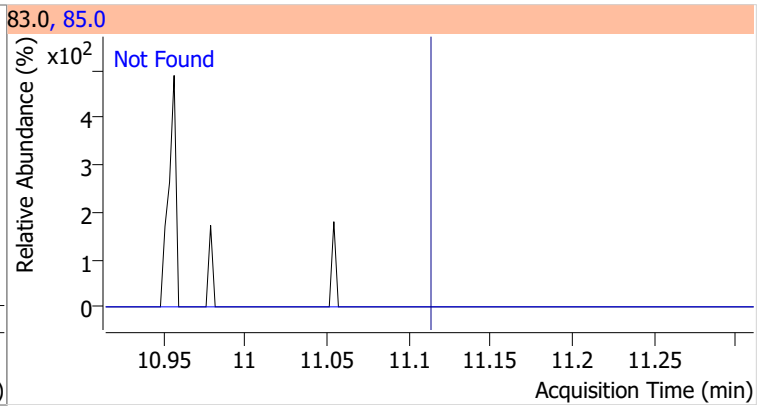
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



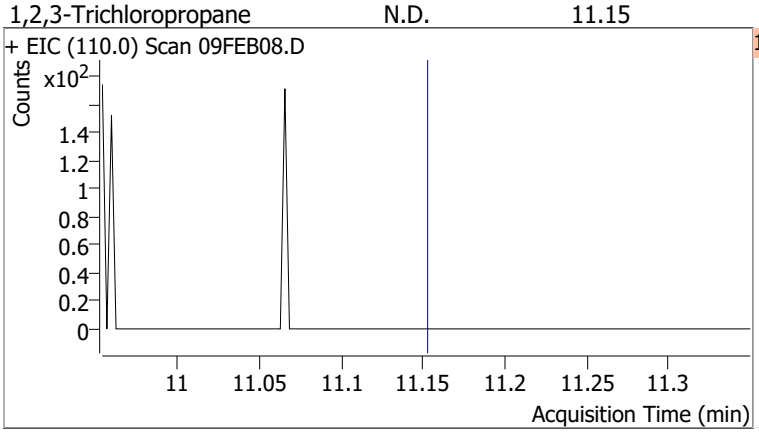


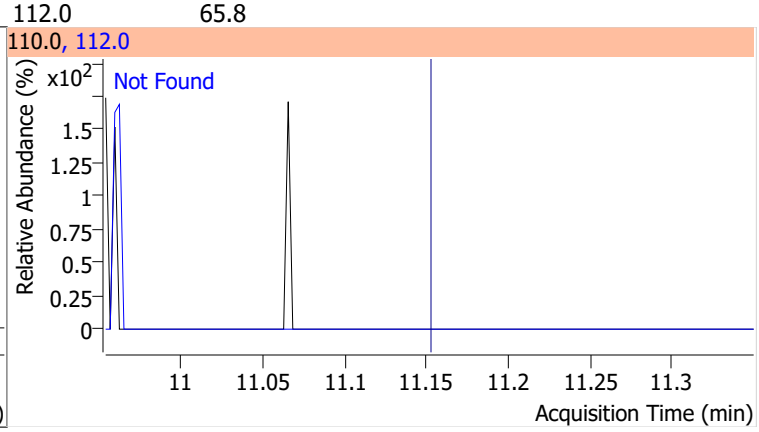
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



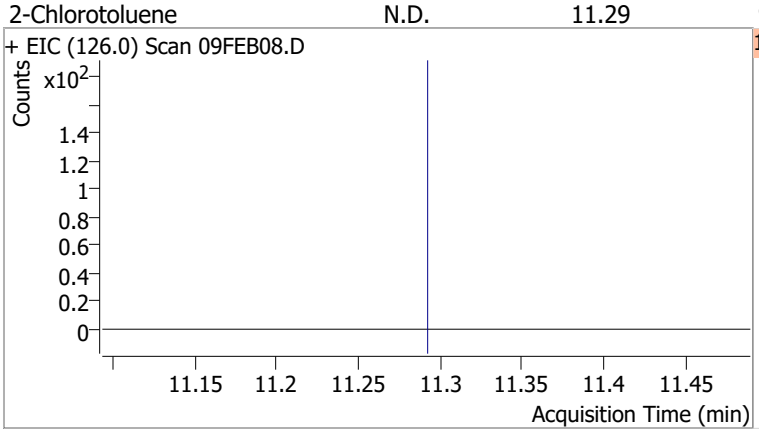


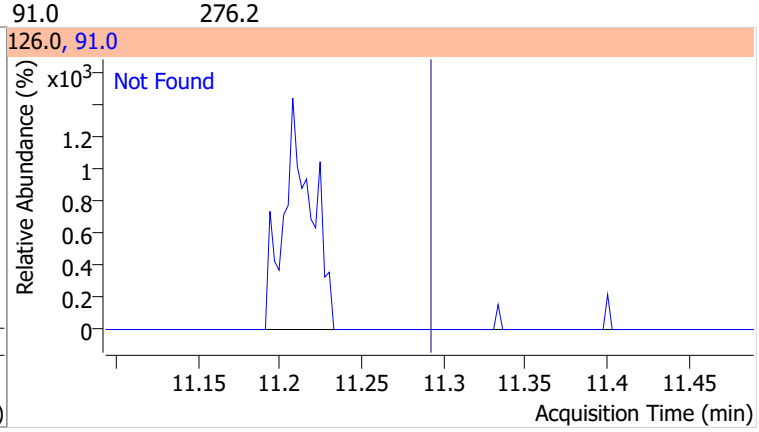
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



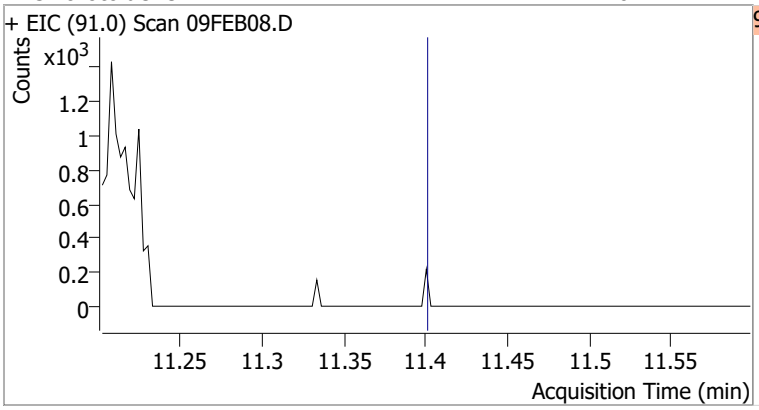


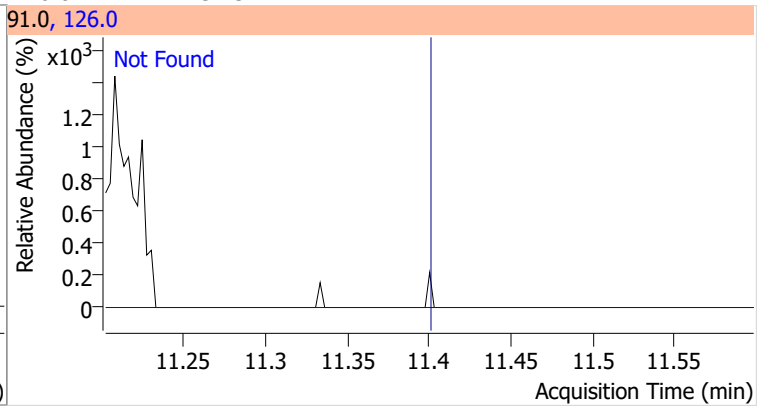
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



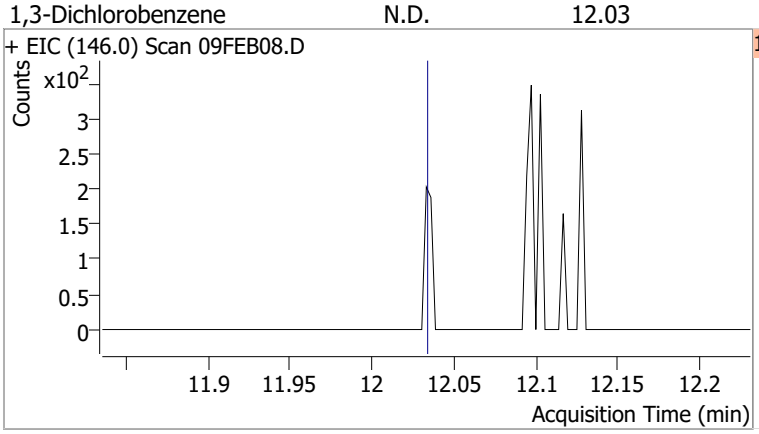


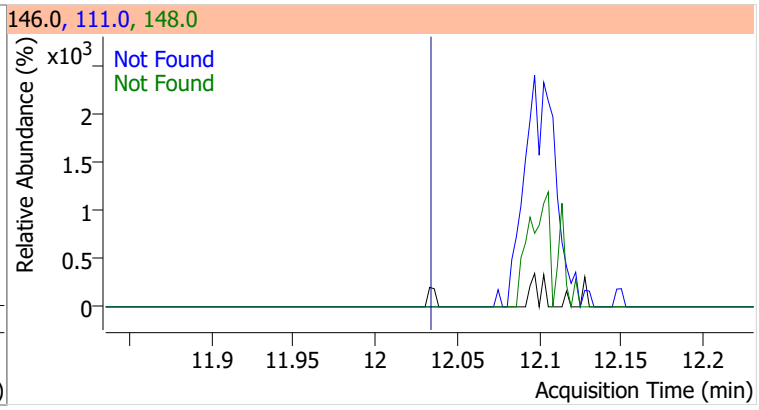
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



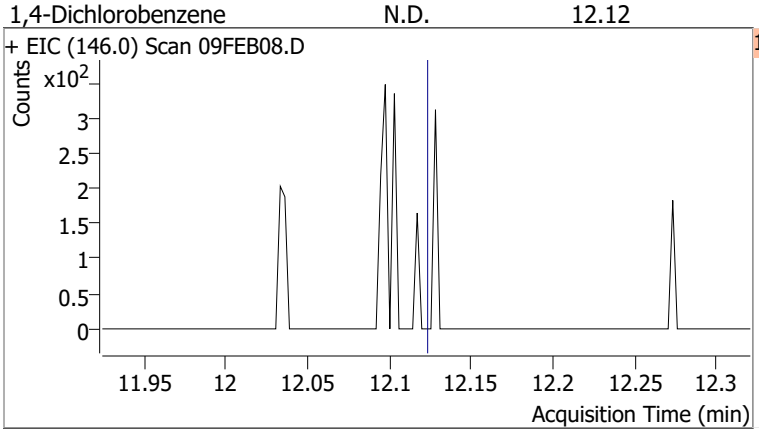


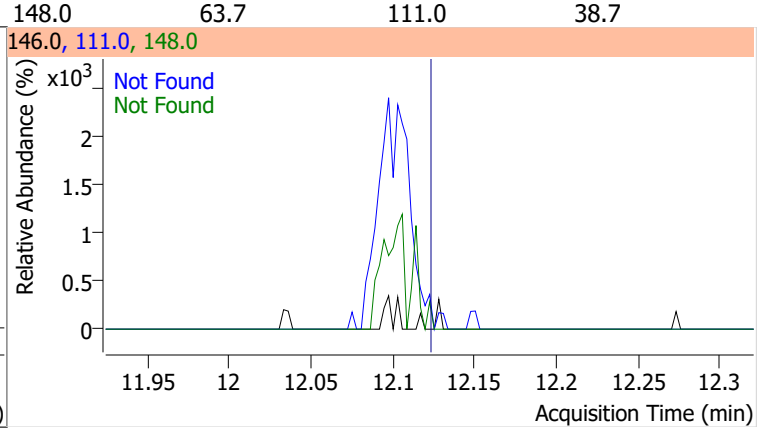
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



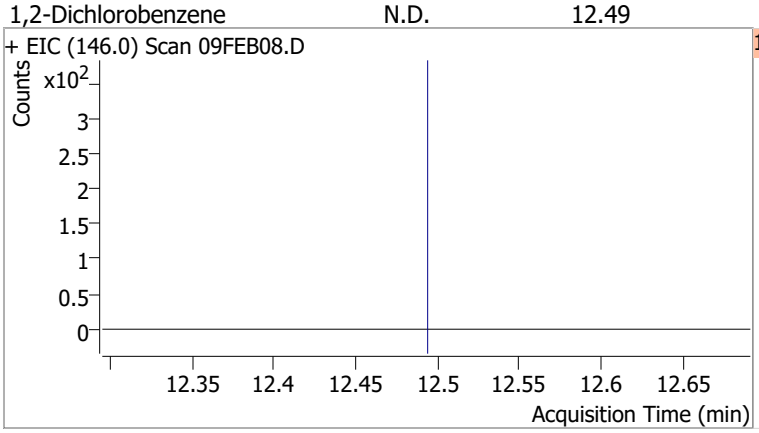


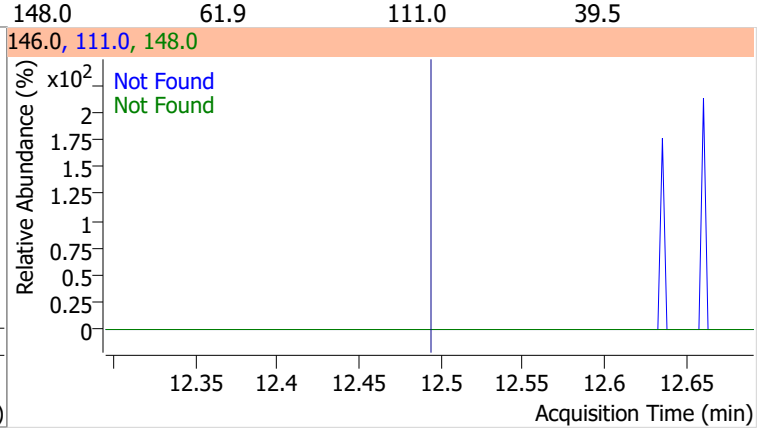
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





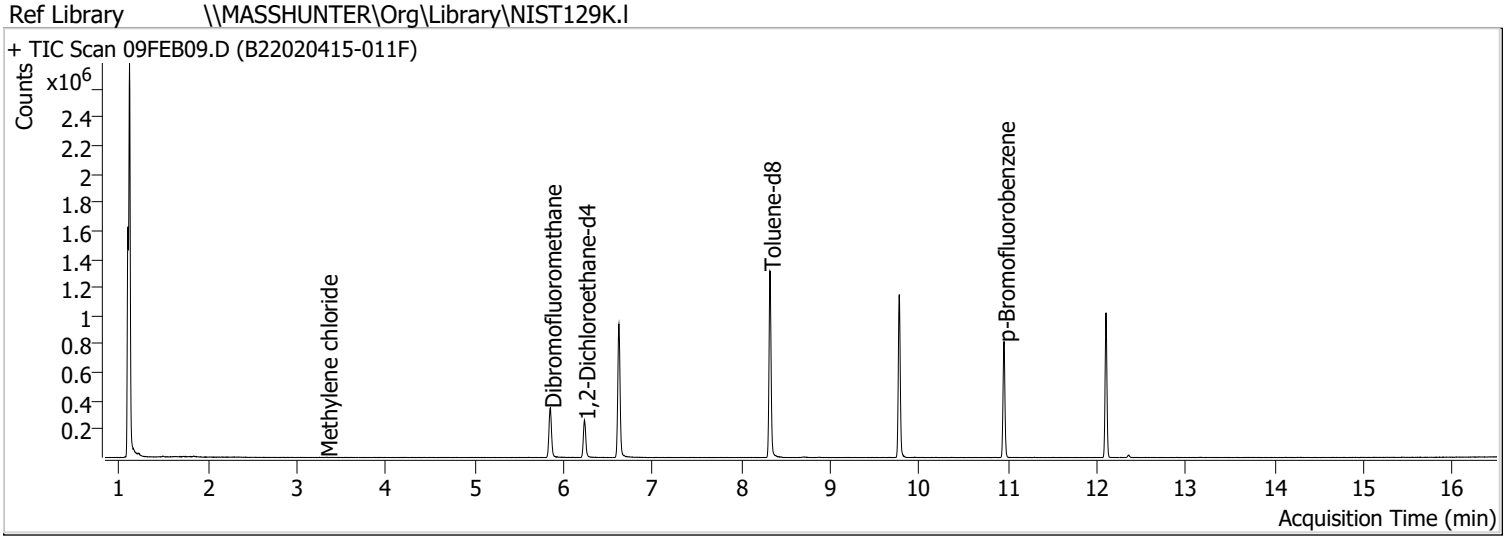
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB09.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 9:17:29 AM
Sample Name	B22020415-011F	Instrument	VOA5975C
Vial	9	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

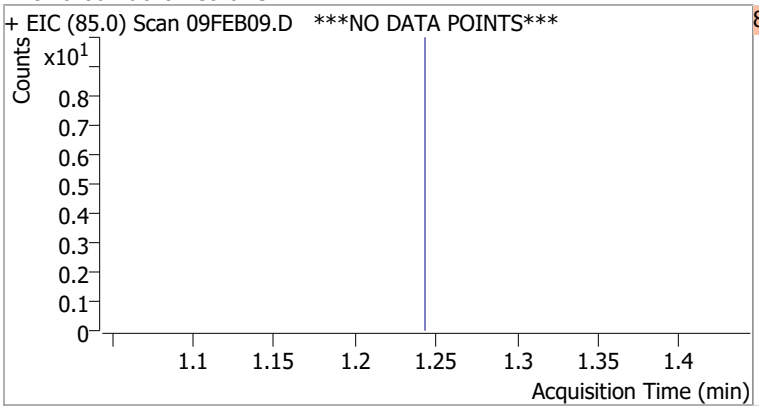


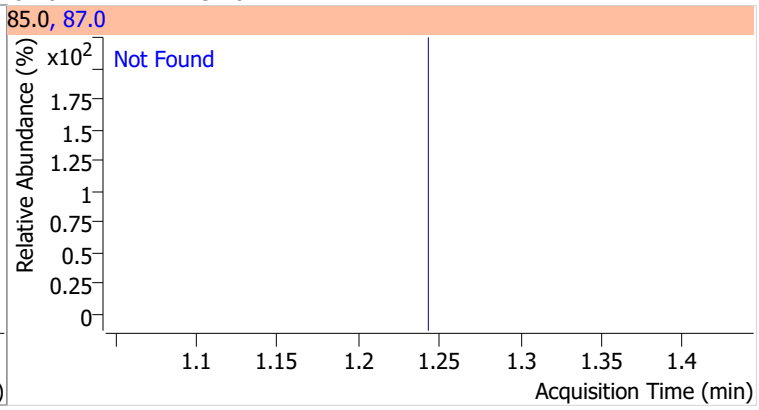
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	790707	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	310263	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	239756	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.851	113.0	210863	275.3267	ng		0.000
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 110.13%			
S 1,2-Dichloroethane-d4	6.233	67.0	95450	288.5138	ng		0.003
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 115.41%			
S Toluene-d8	8.319	98.0	794646	262.5268	ng		0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 105.01%			
S p-Bromofluorobenzene	10.951	95.0	231520	261.5351	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 104.61%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	0.000		0	N.D.			
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.333	49.0	490	0.4240	ng	m	67
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	8.391	92.0	0		ng	md	1
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	0.000		0	N.D.			
T o-Xylene	0.000		0	N.D.			
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

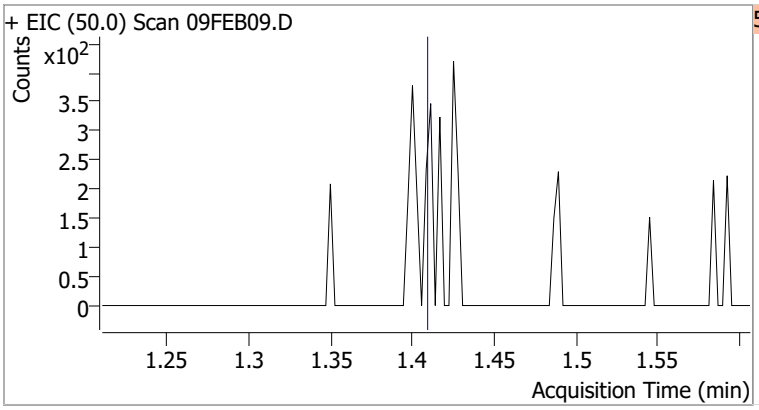
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

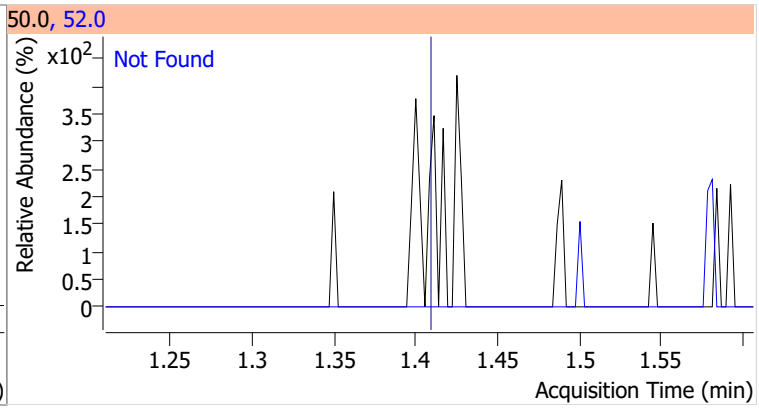
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8



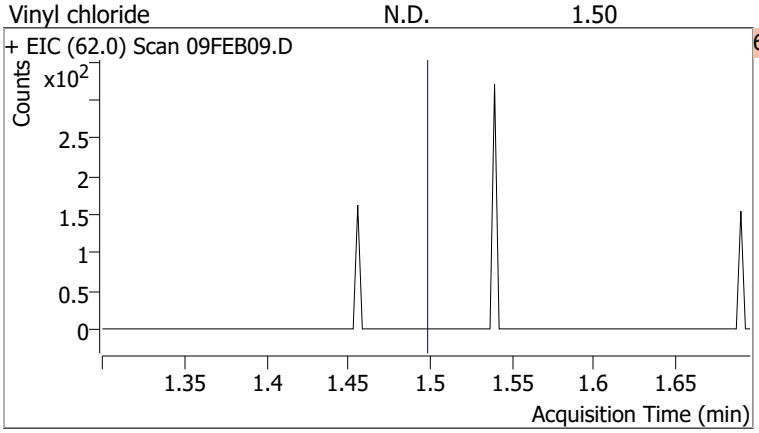


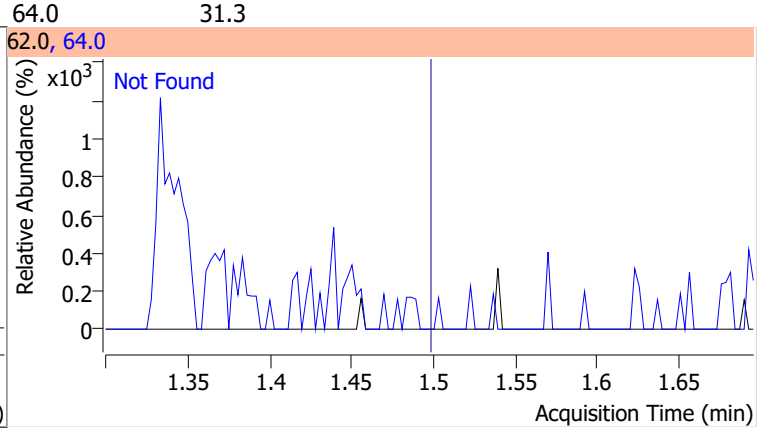
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloromethane	N.D.	1.41	52.0	32.4



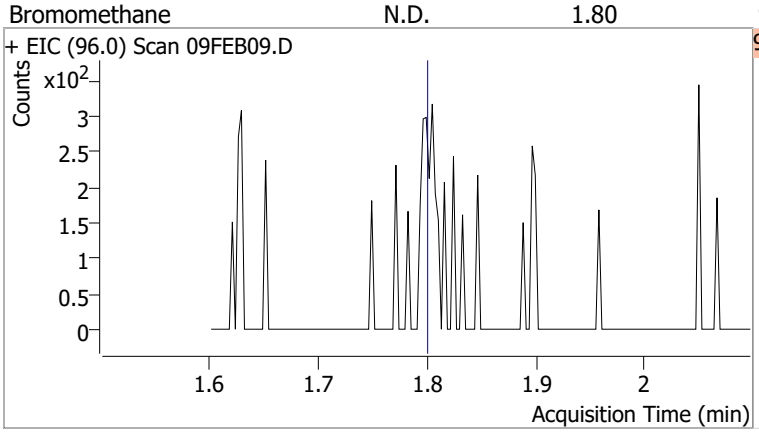


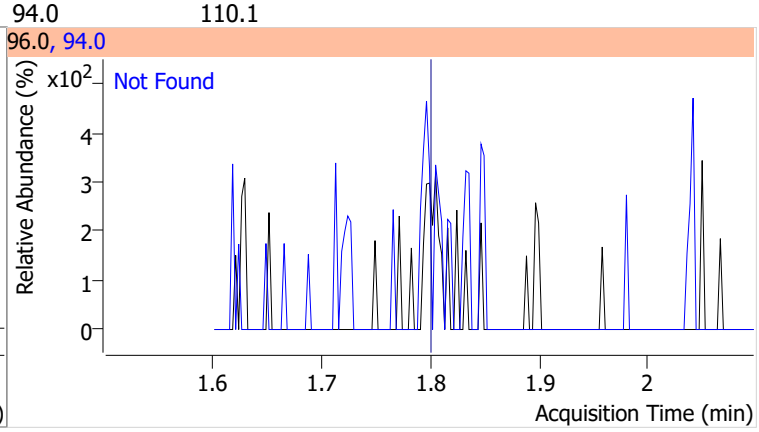
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



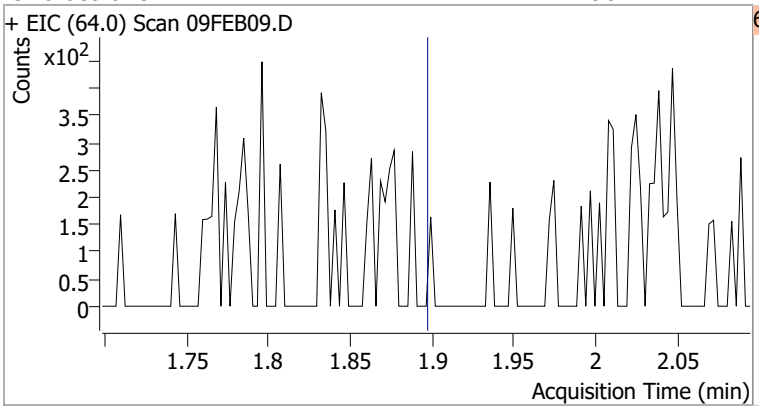


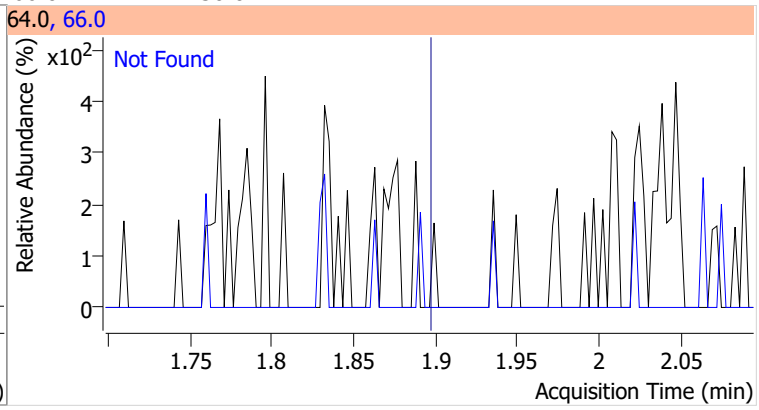
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



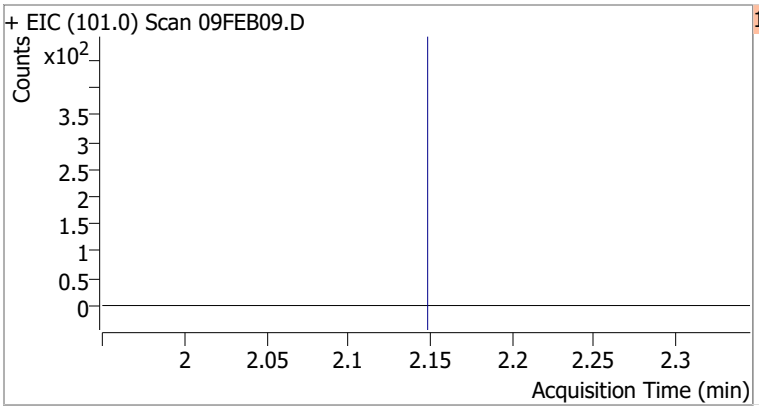


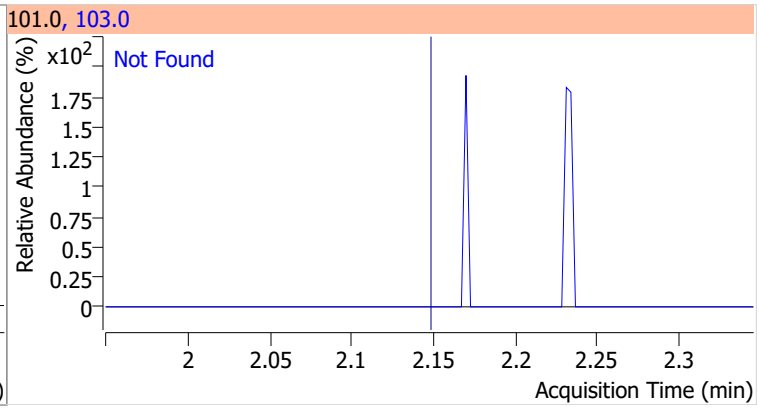
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



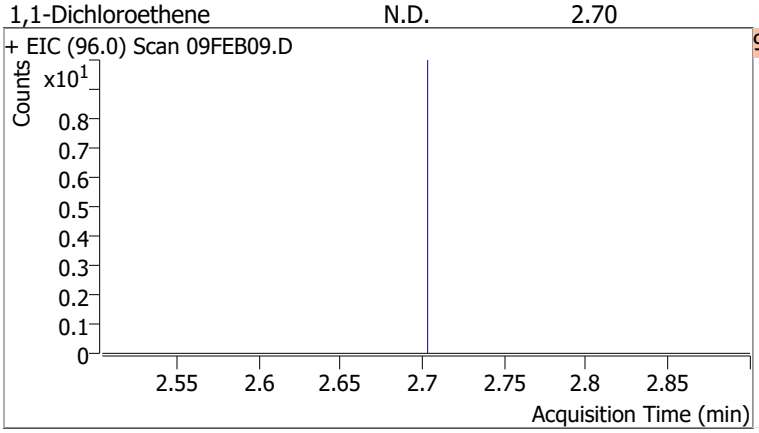


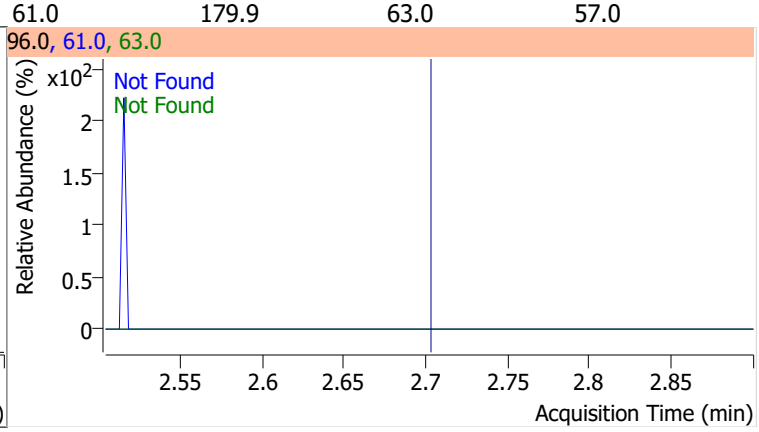
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



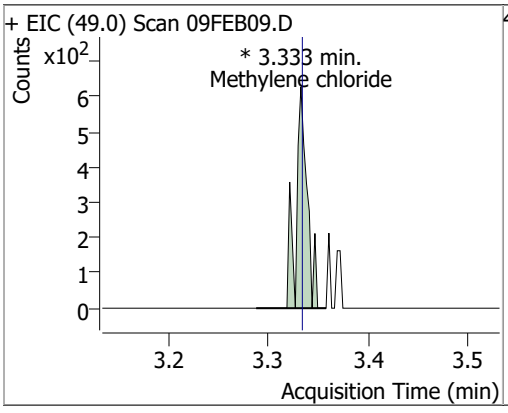


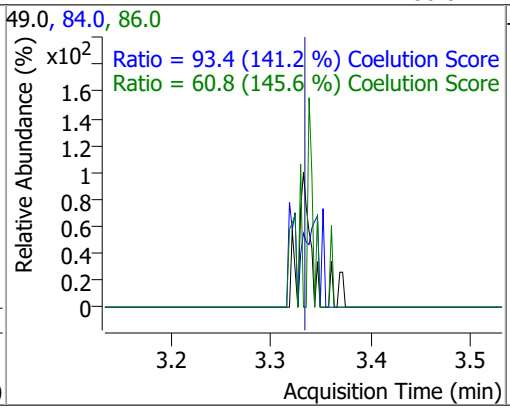
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

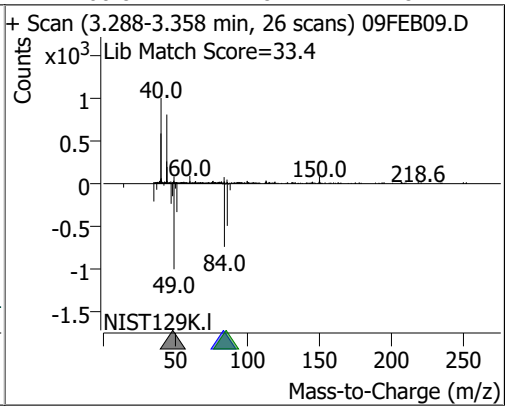




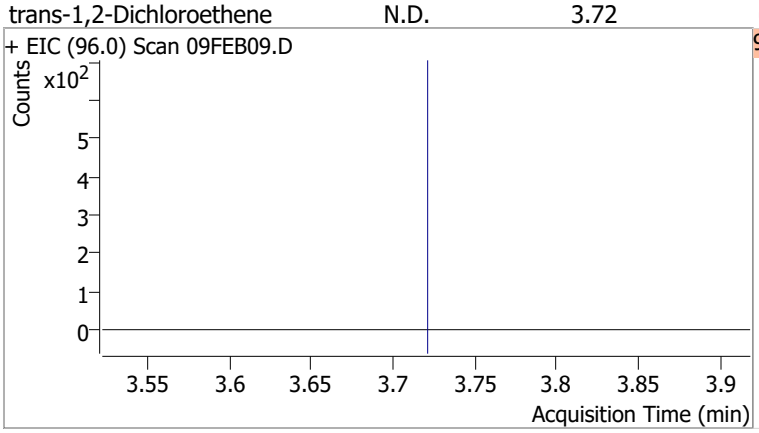
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	0.4240	3.33	0.00	490 (m)	84.0	93.4	36.1	96.1
					86.0	60.8	11.8	71.8

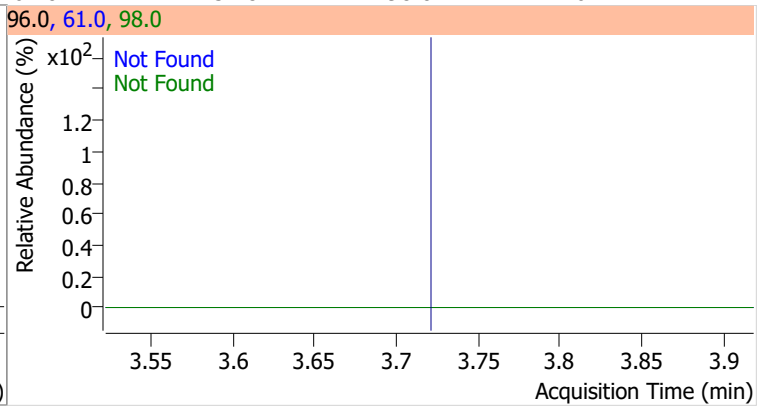




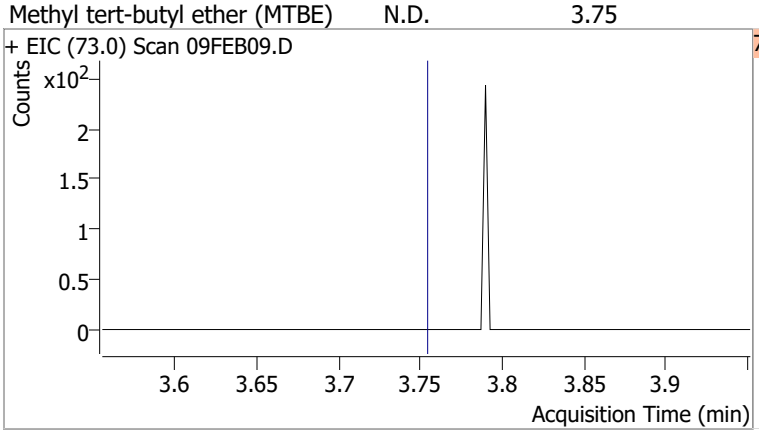


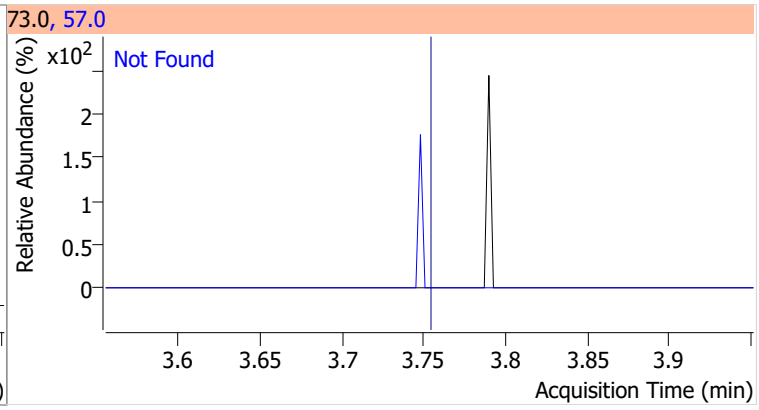
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



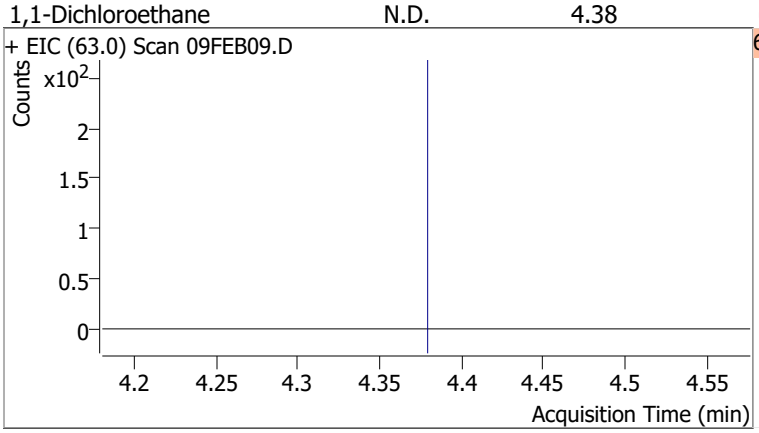


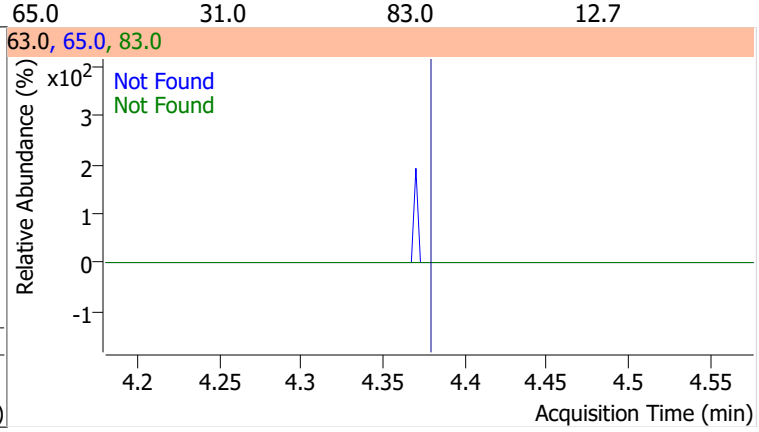
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



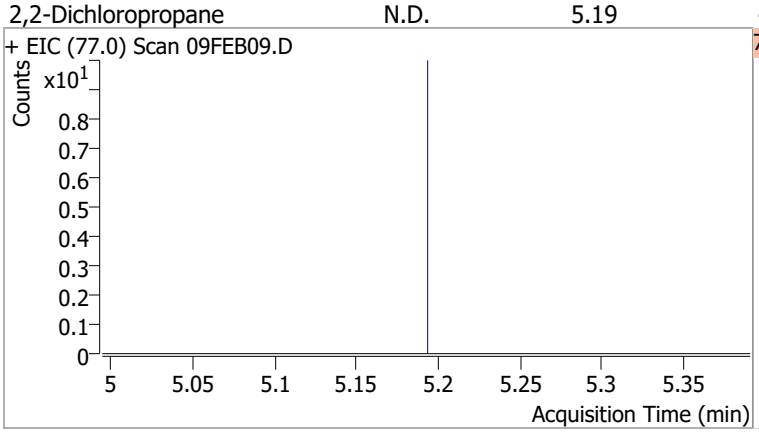


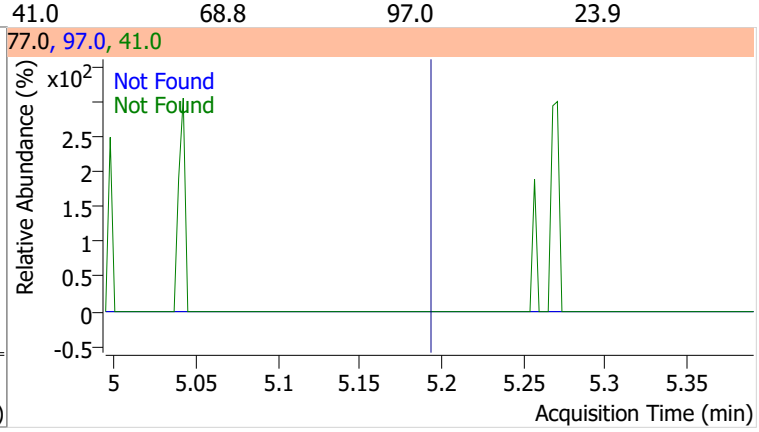
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



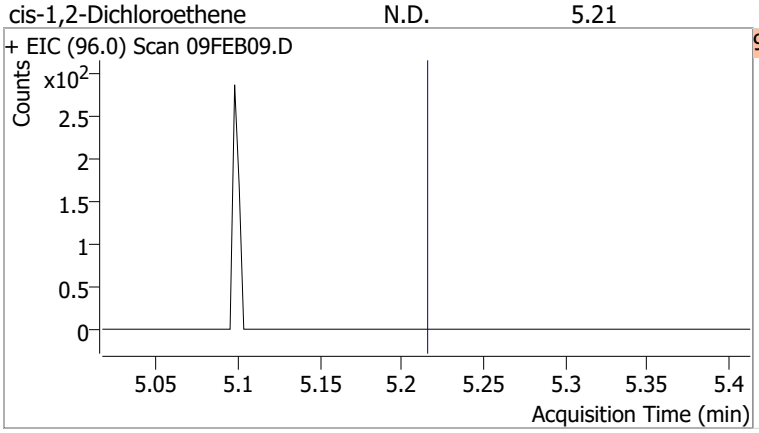


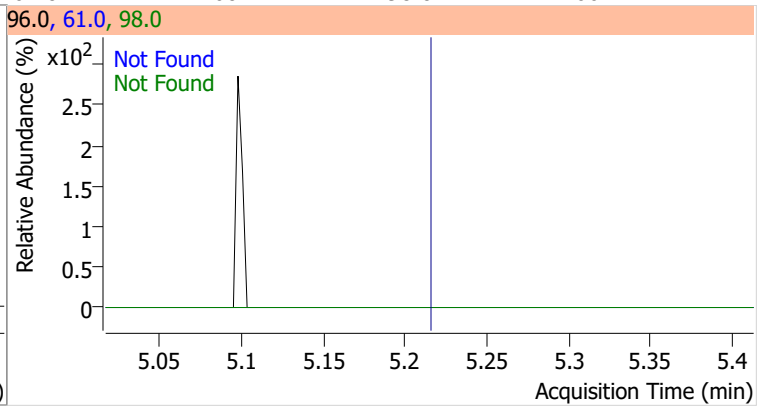
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



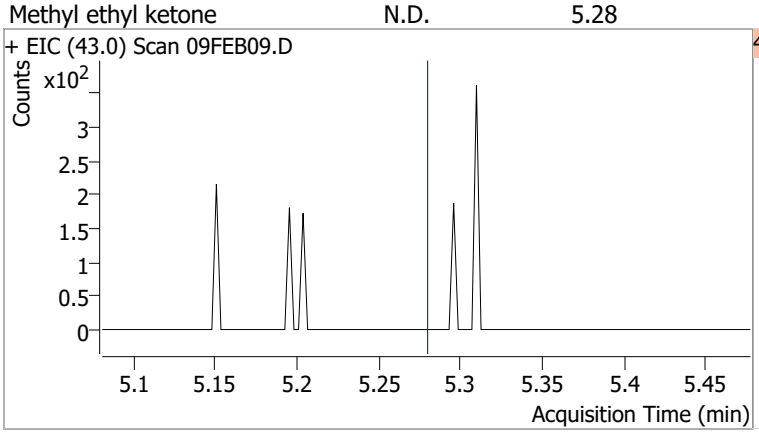


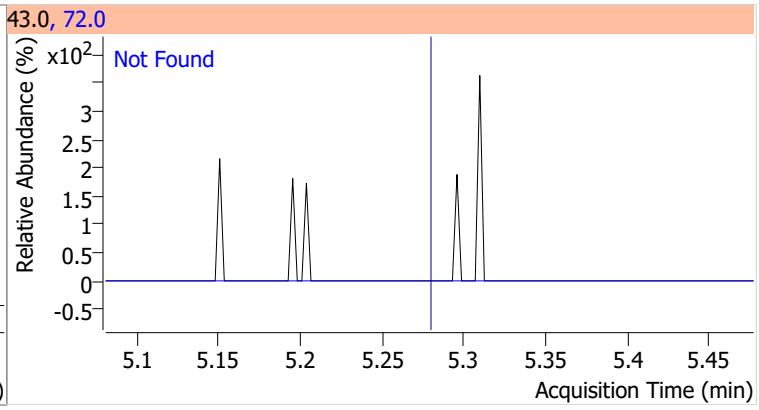
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



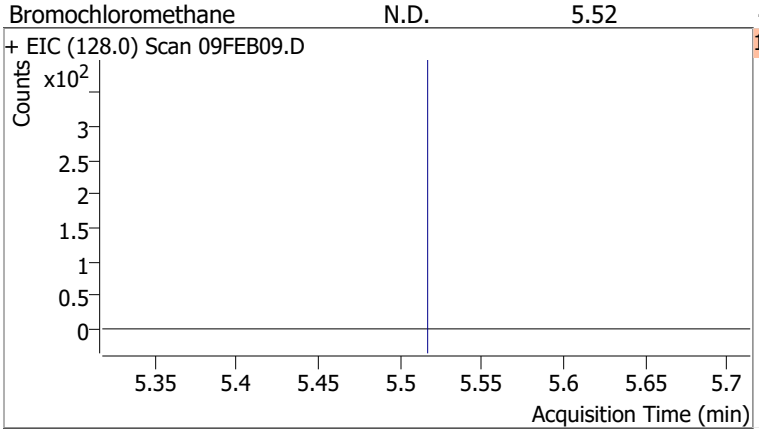


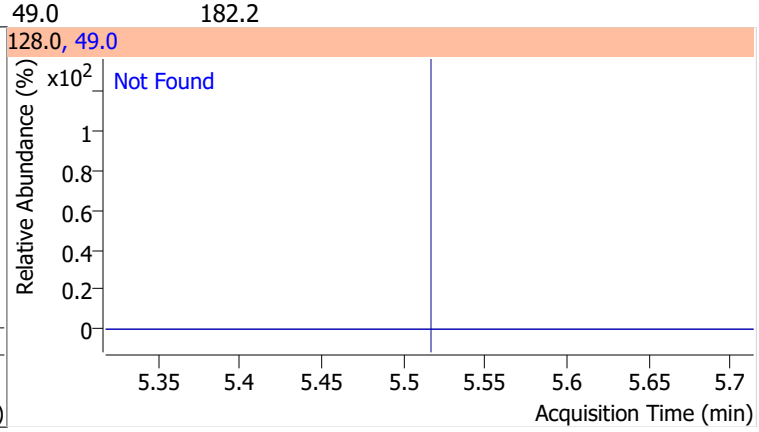
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



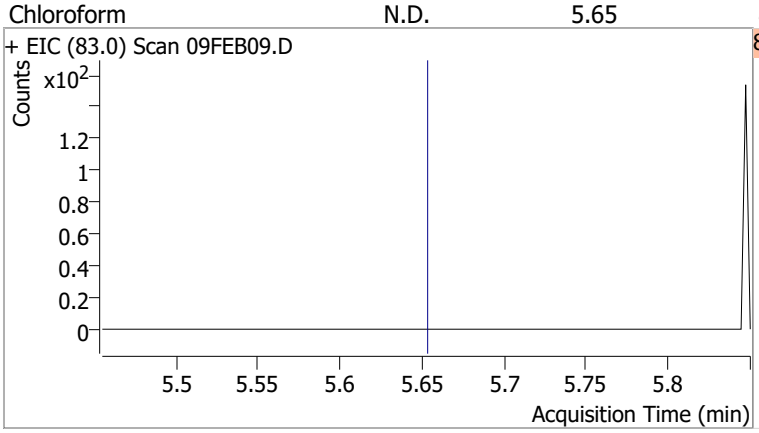


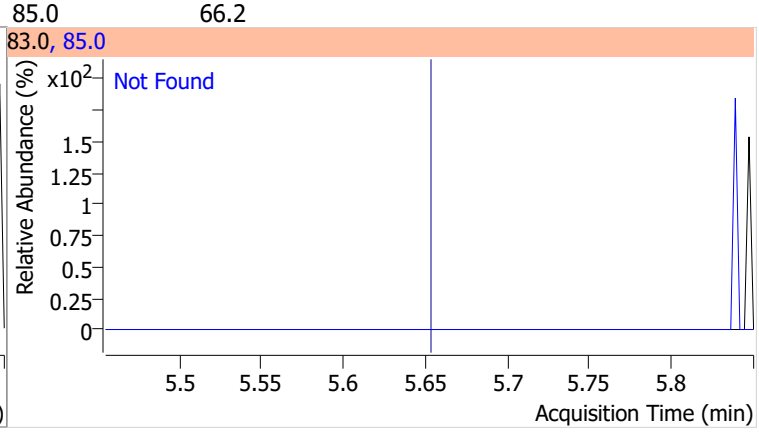
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2



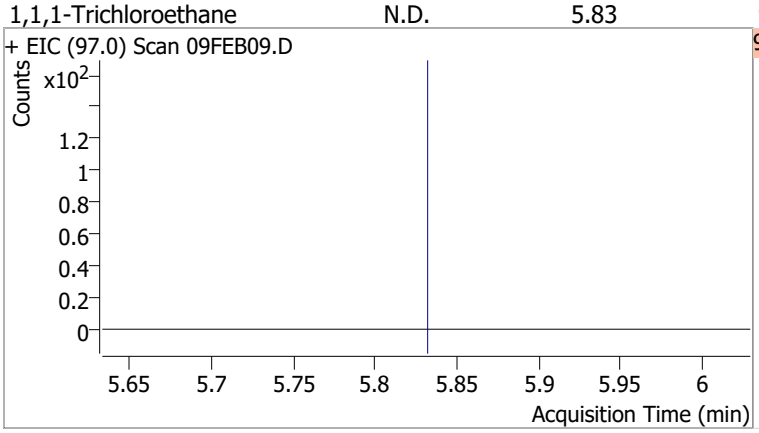


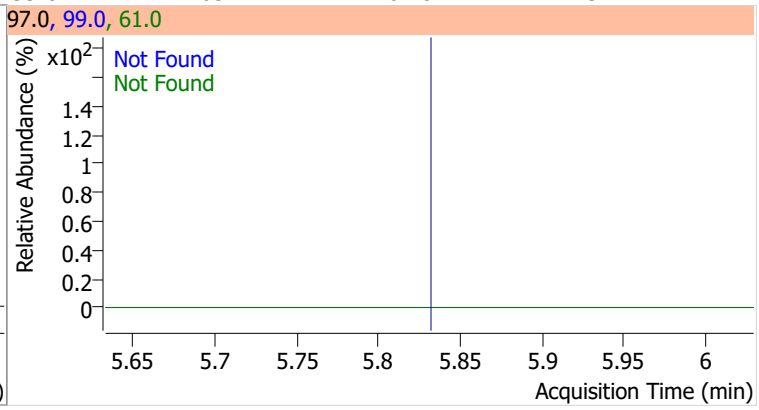
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroform	N.D.	5.65	85.0	66.2



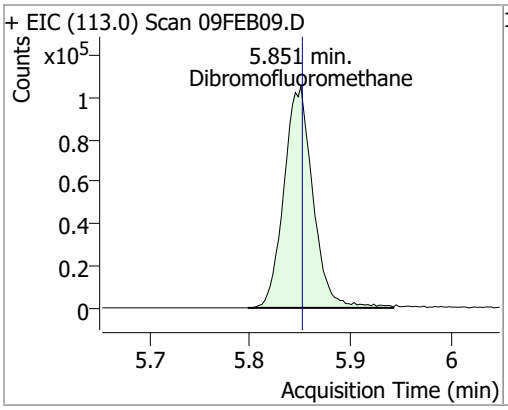


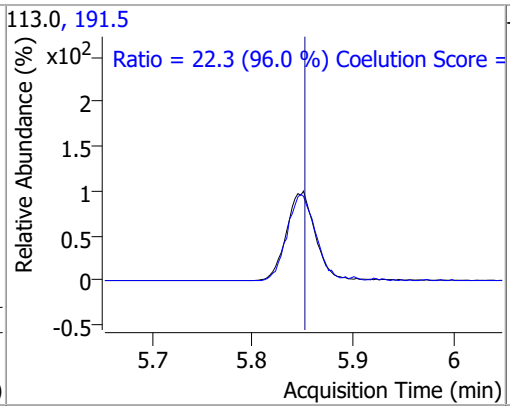
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

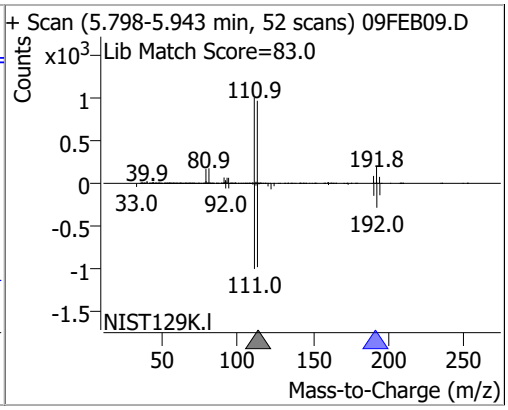




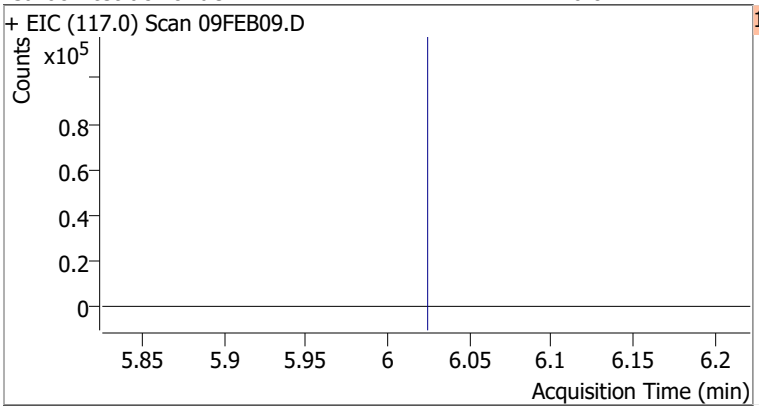
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	275.3267	5.85	0.00	210863	191.5	22.3	0.0	53.2

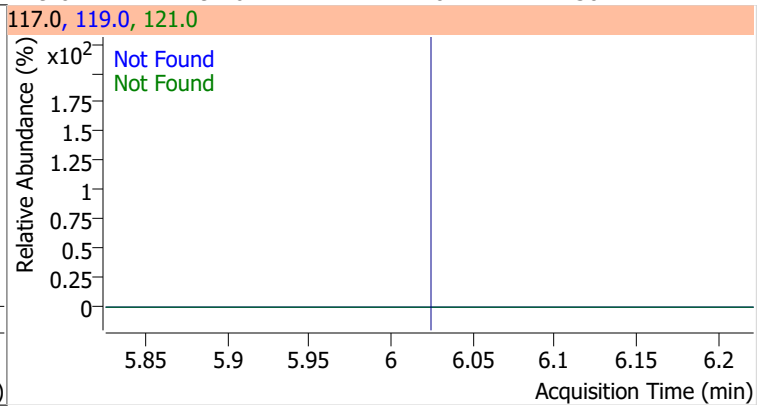




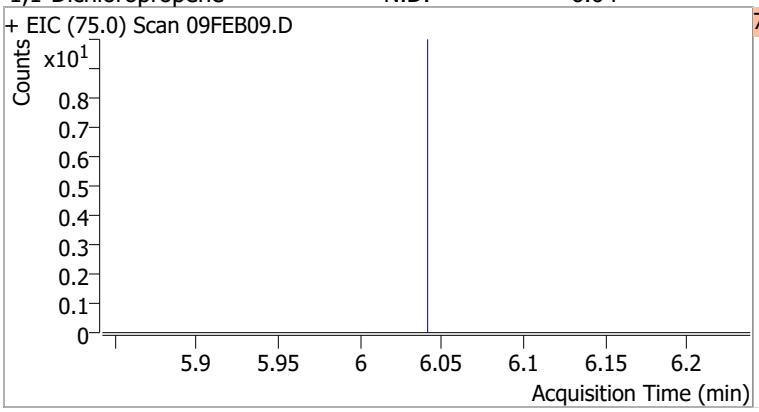


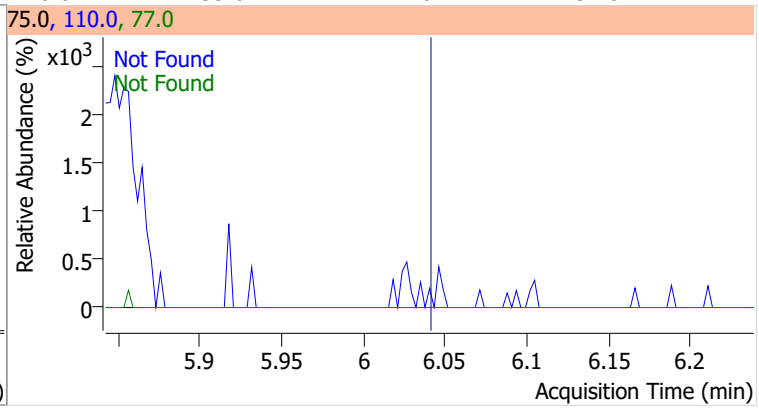
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7



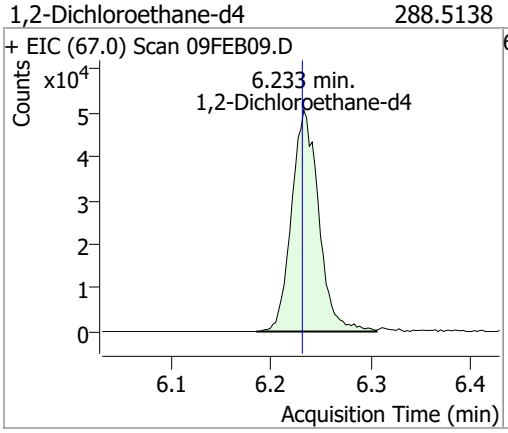


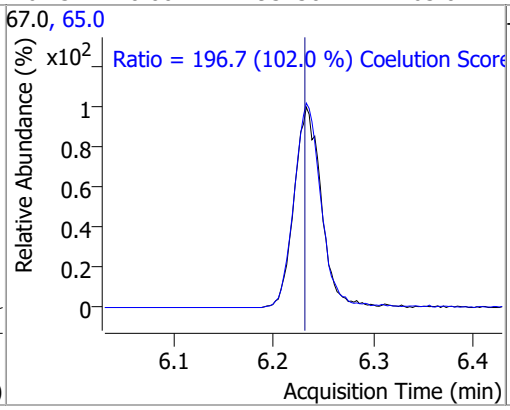
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

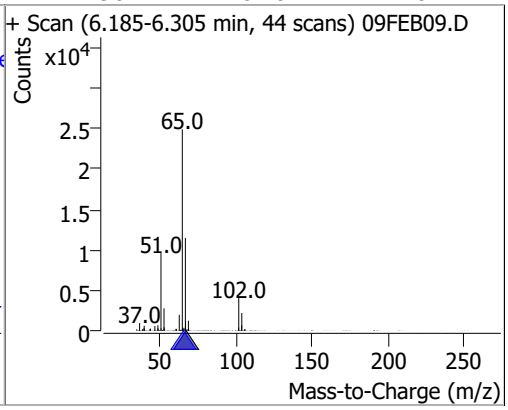




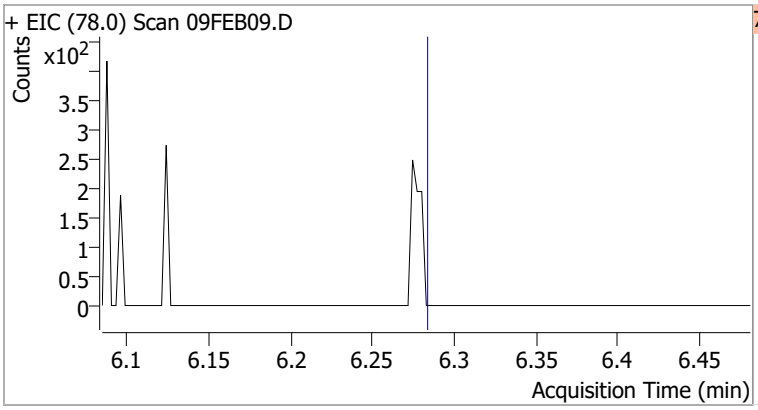
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	288.5138	6.23	0.00	95450	65.0	196.7	162.8	222.8

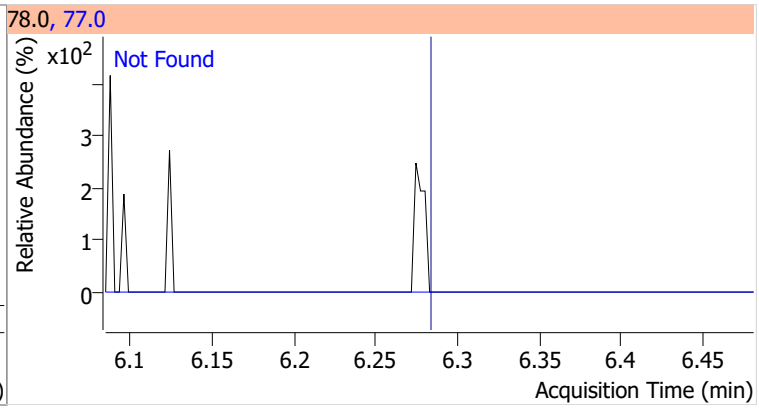




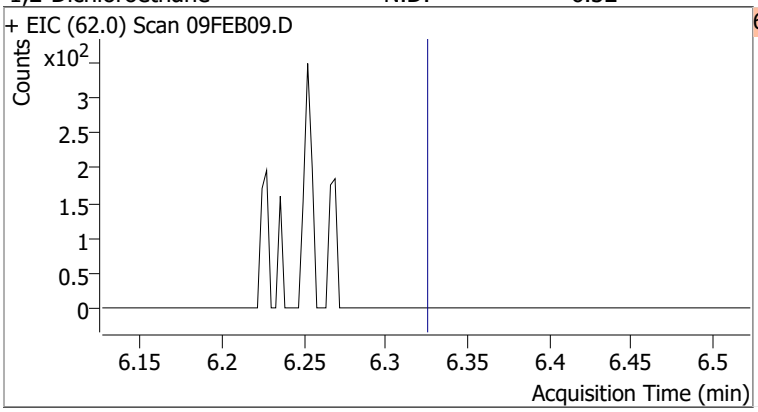


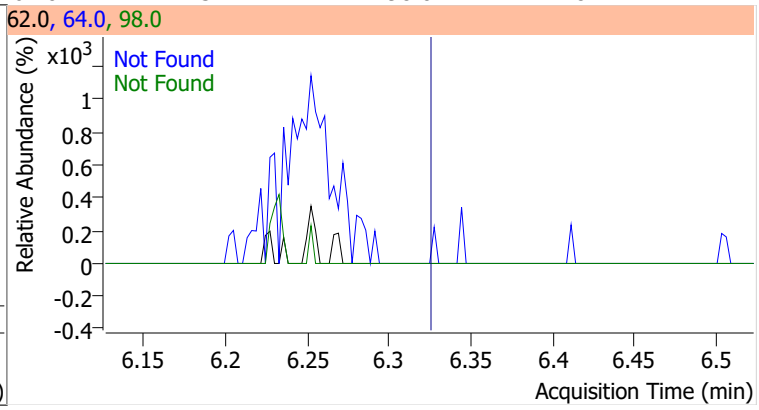
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



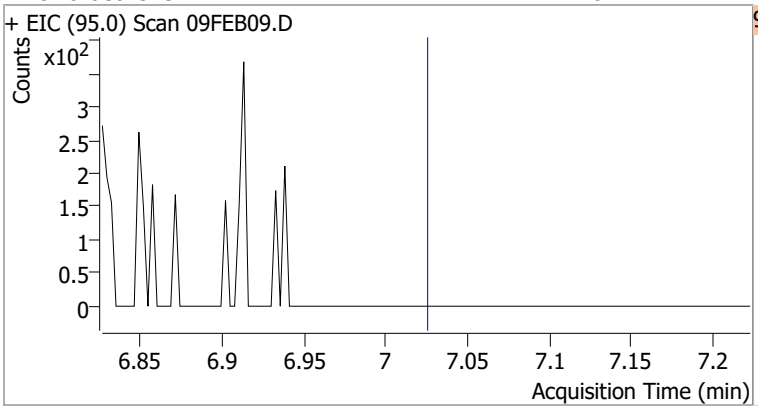


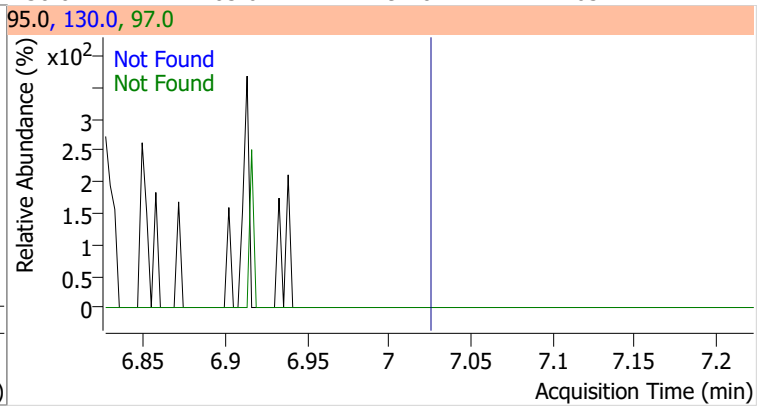
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



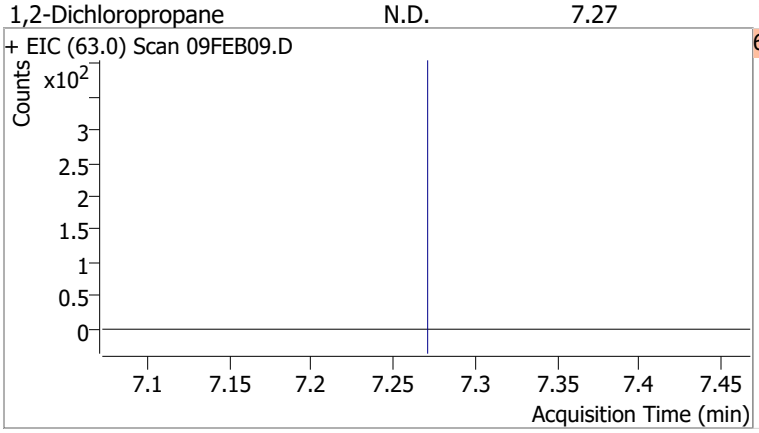


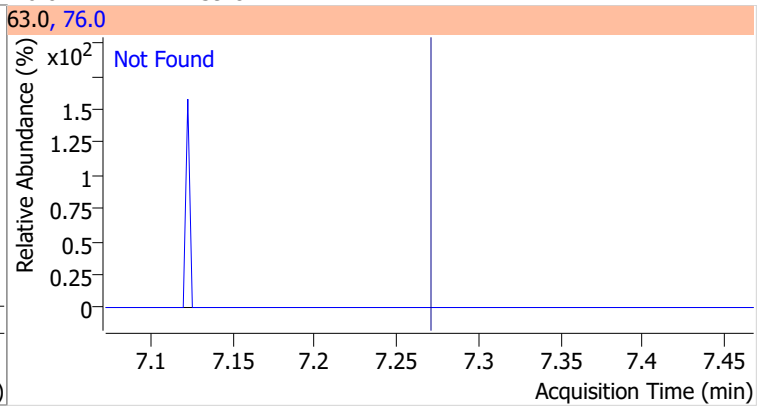
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



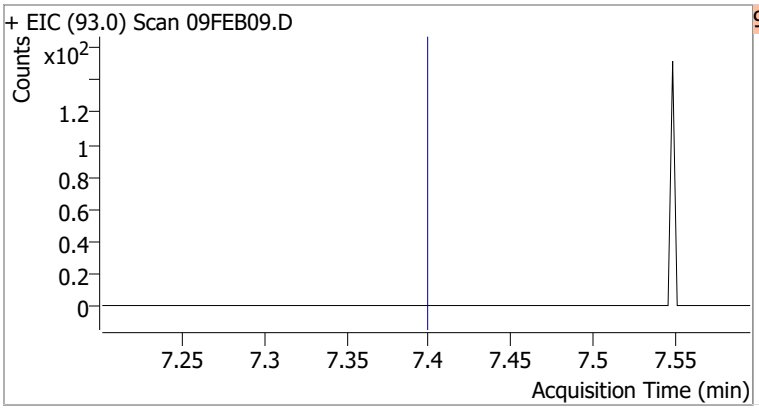


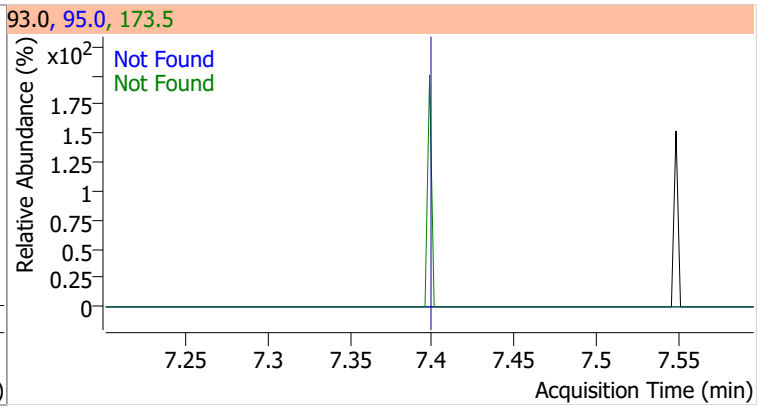
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



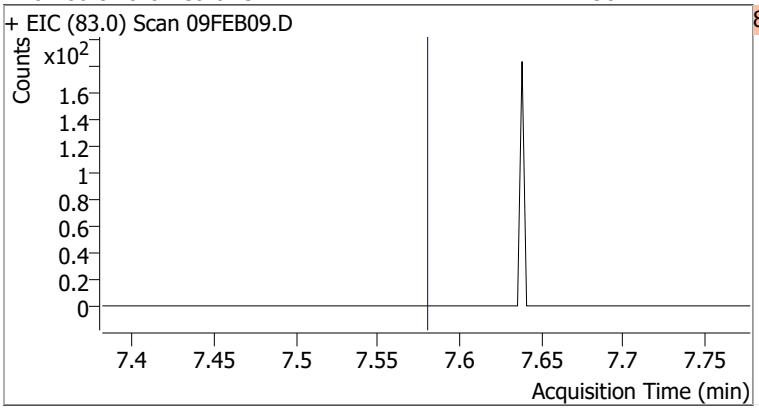


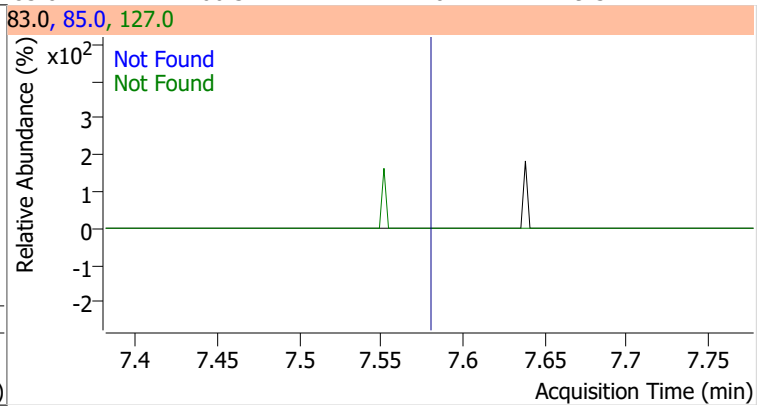
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



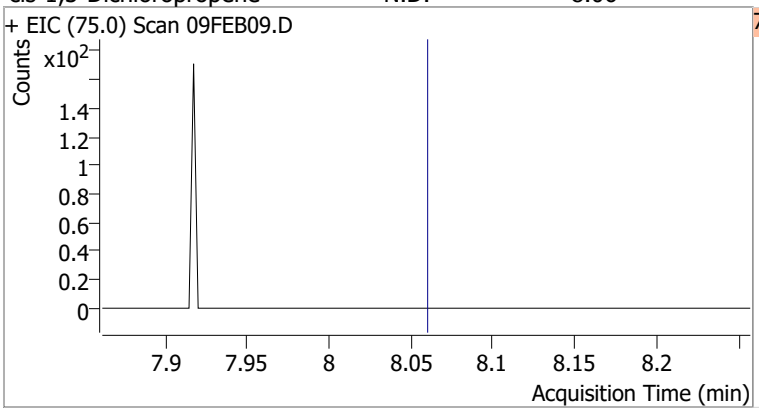


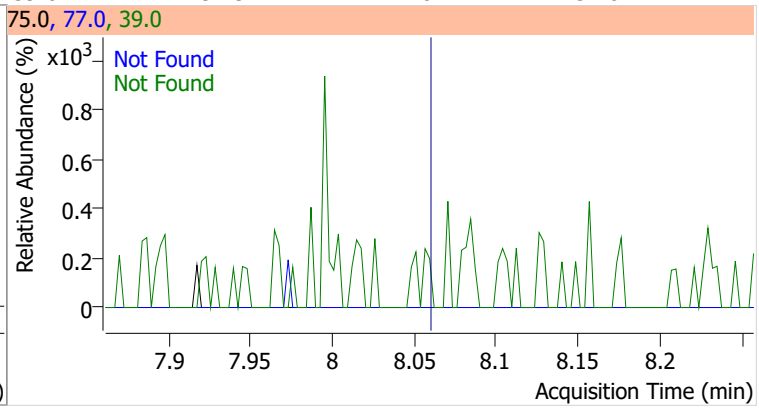
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



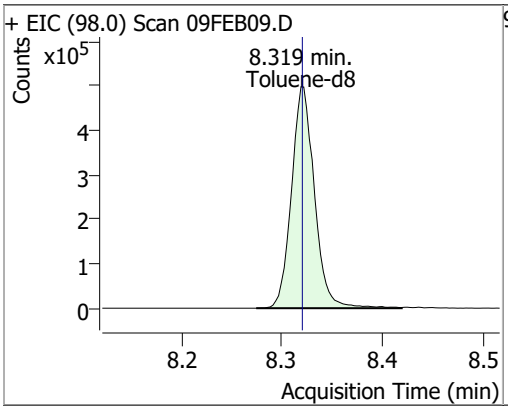


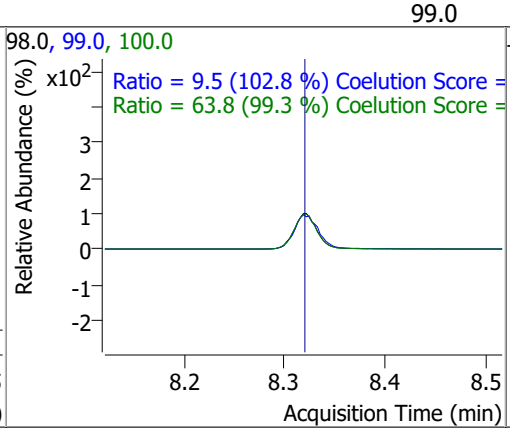
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

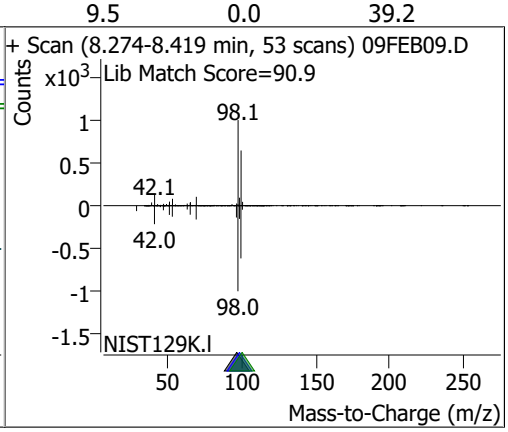




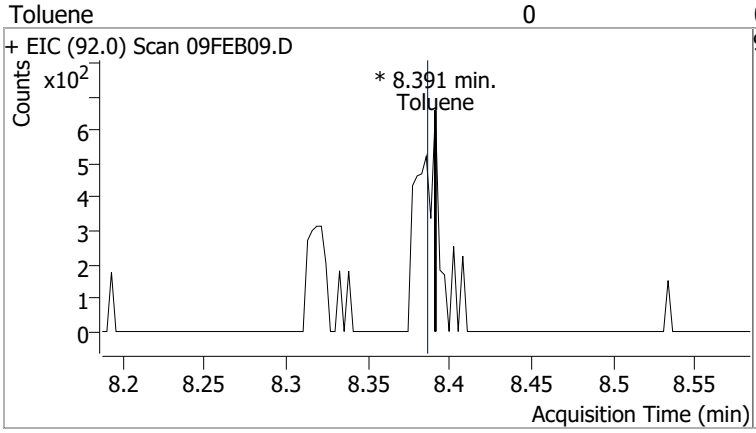
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	262.5268	8.32	0.00	794646	100.0	63.8	34.3	94.3
					99.0	9.5	0.0	39.2

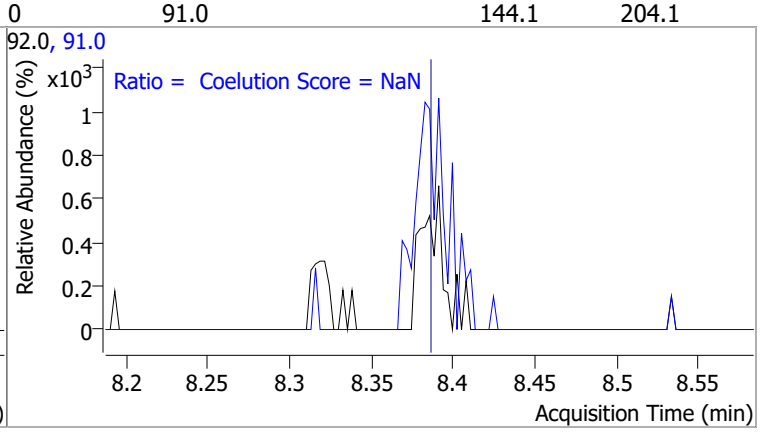




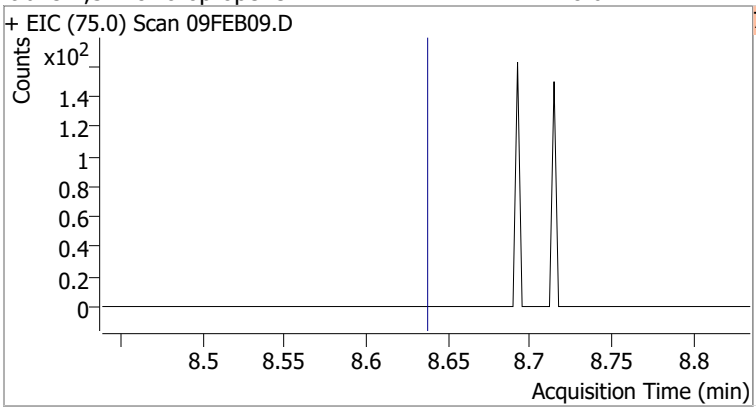


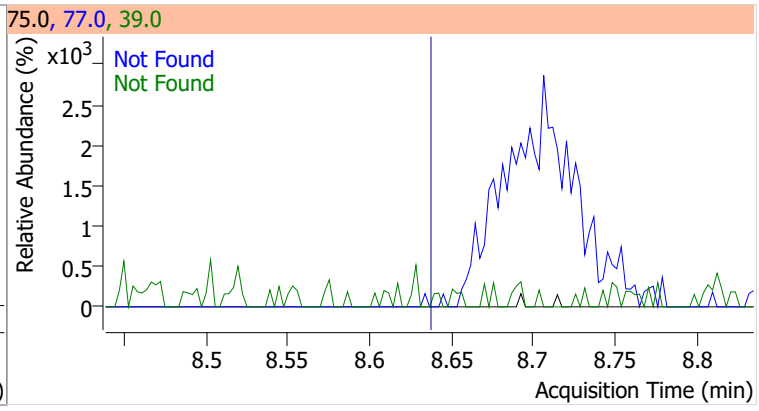
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene		0		0	91.0		144.1	204.1



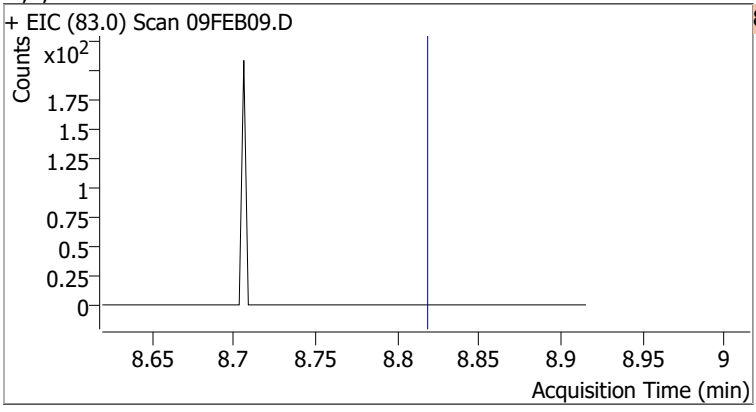


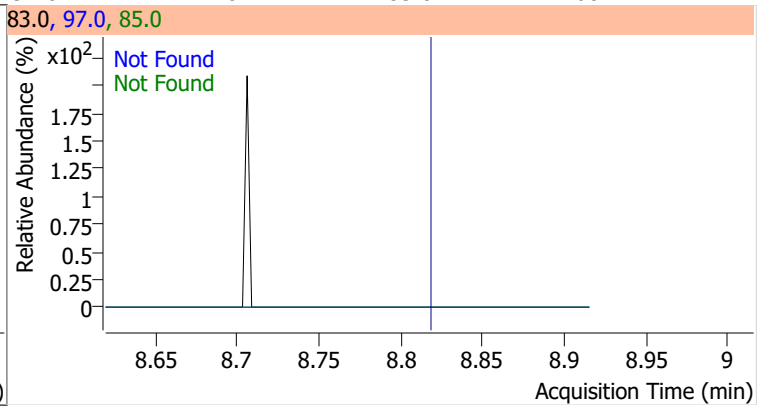
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



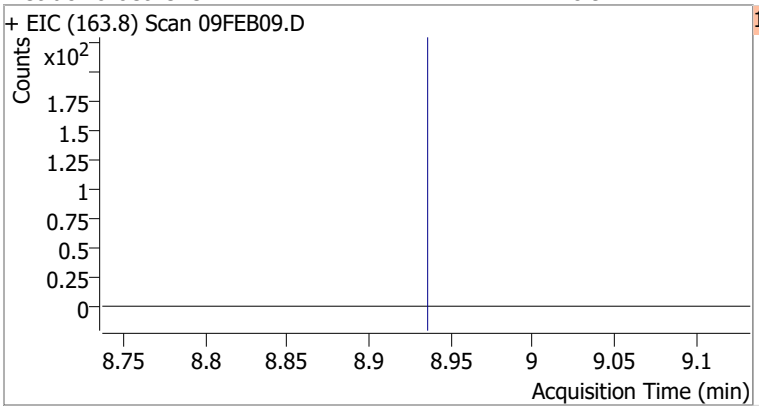


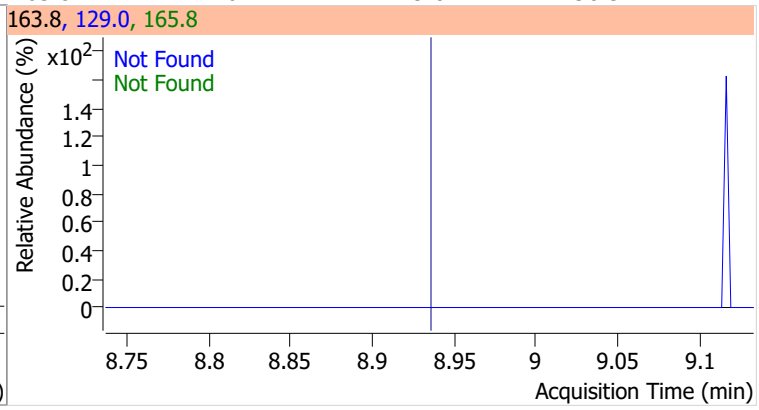
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



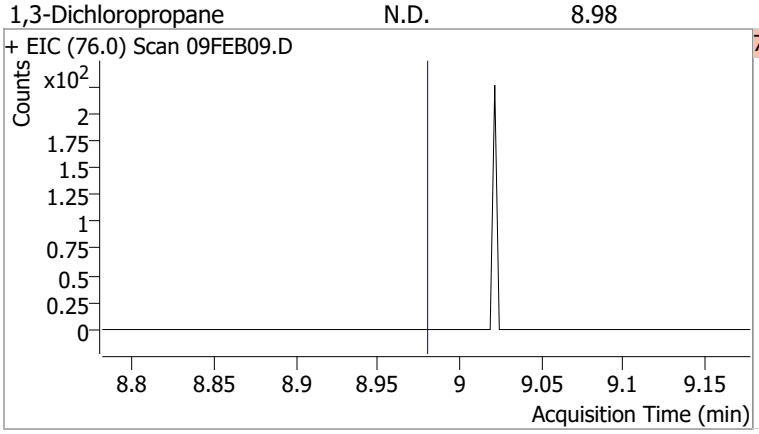


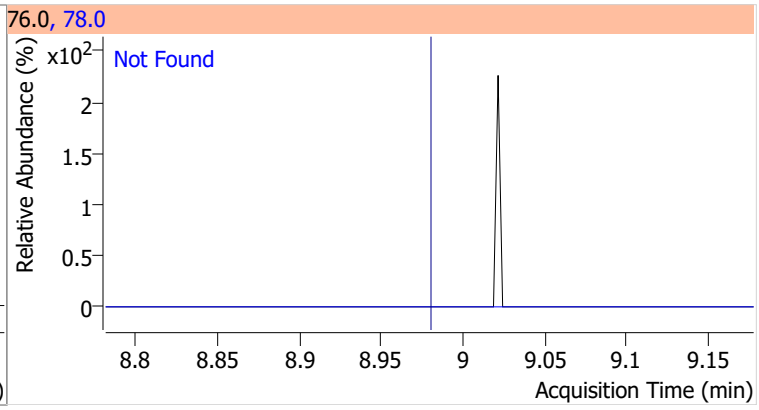
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



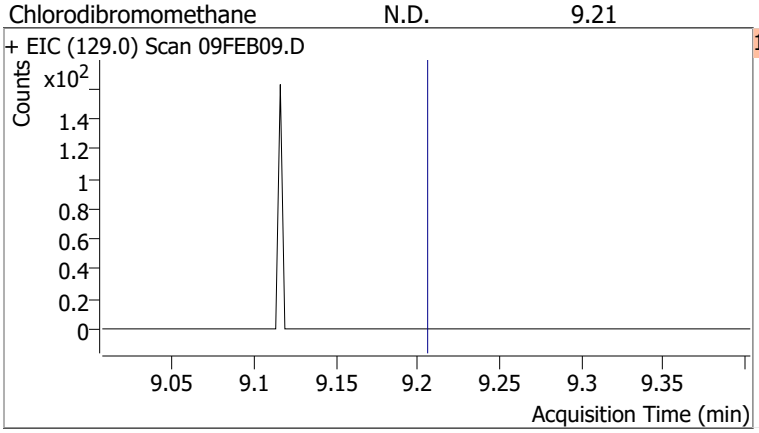


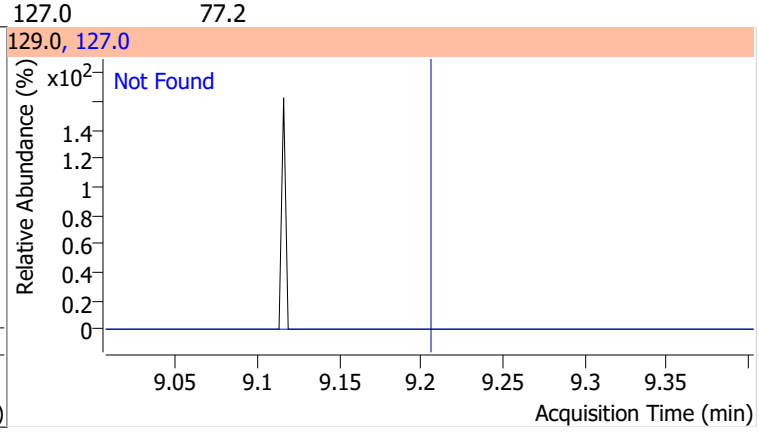
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



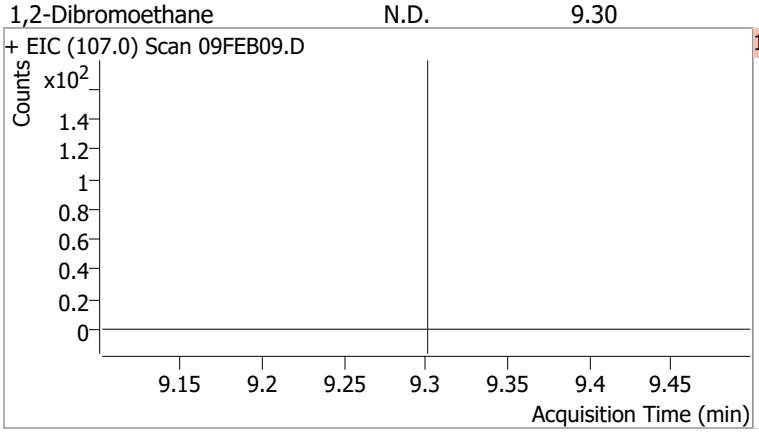


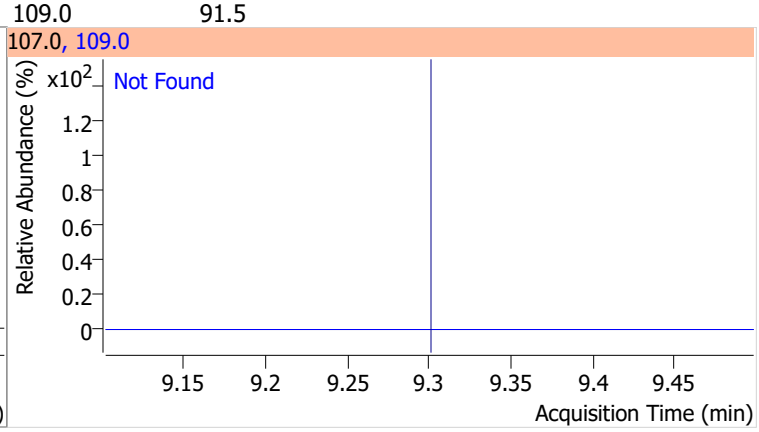
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



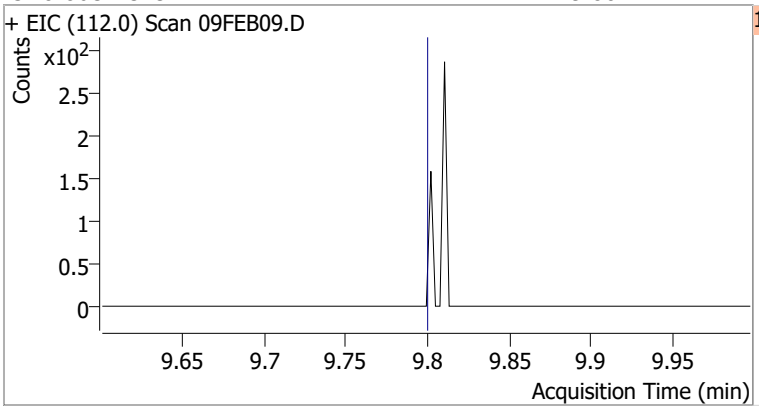


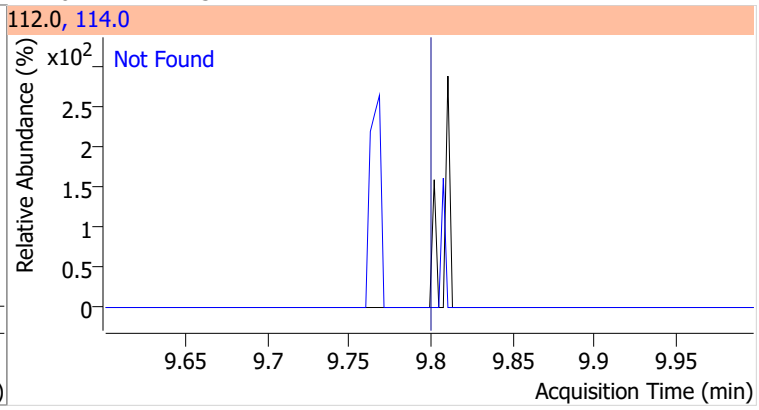
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



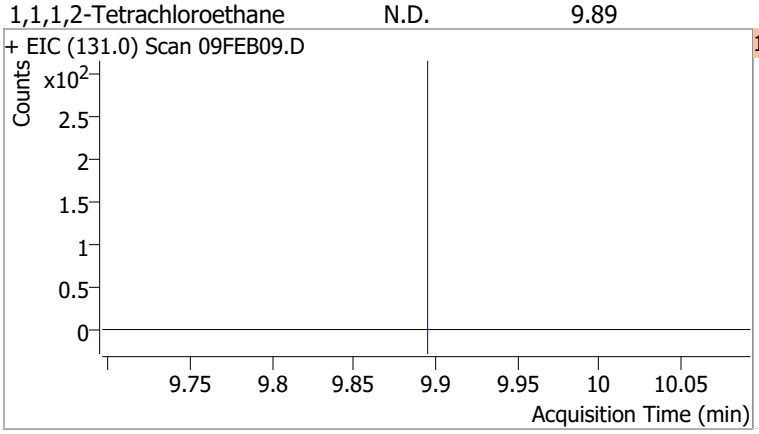


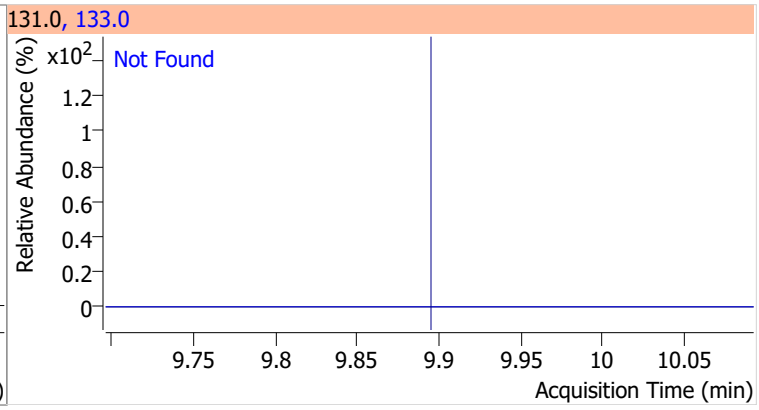
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



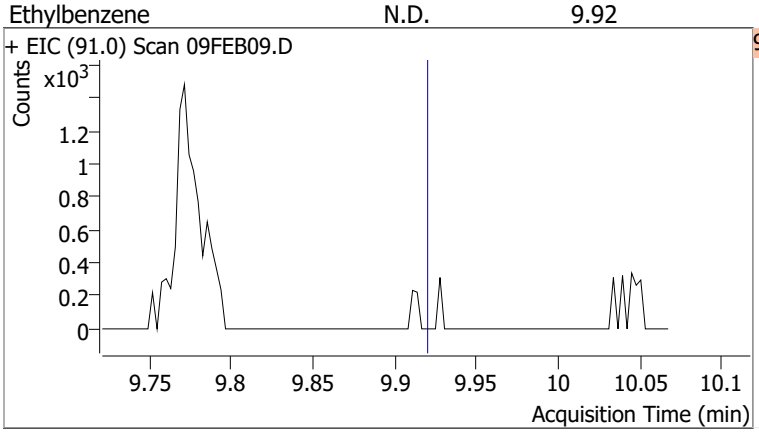


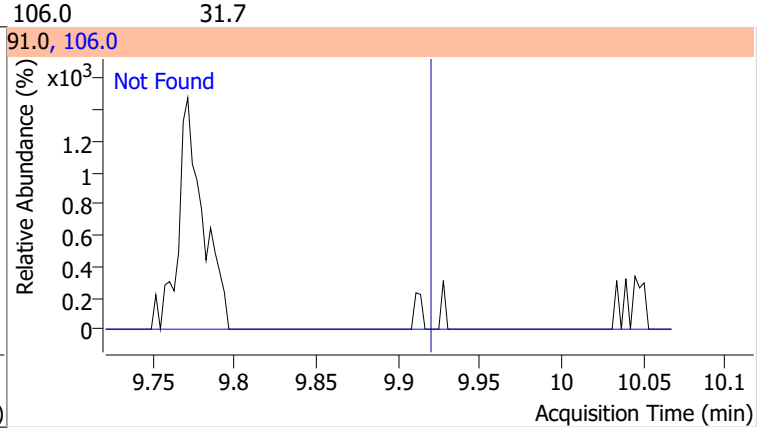
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



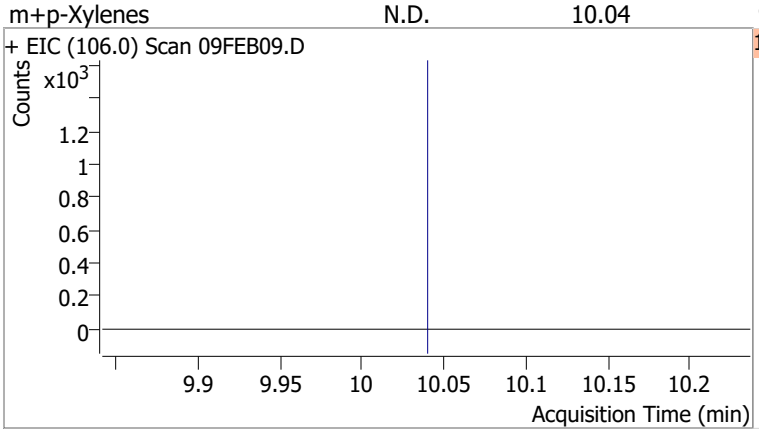


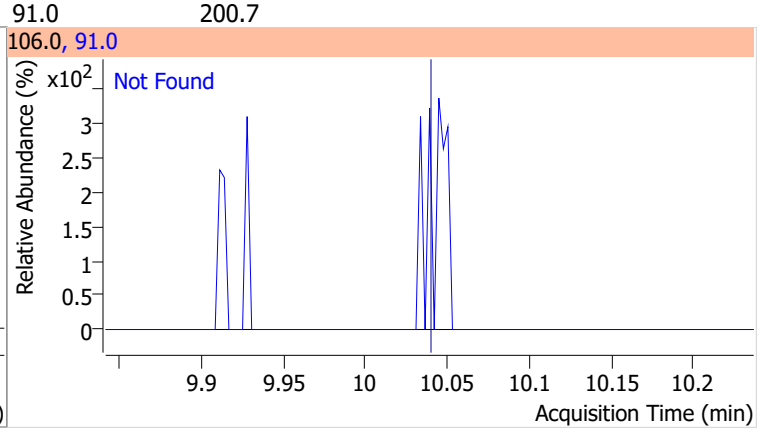
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



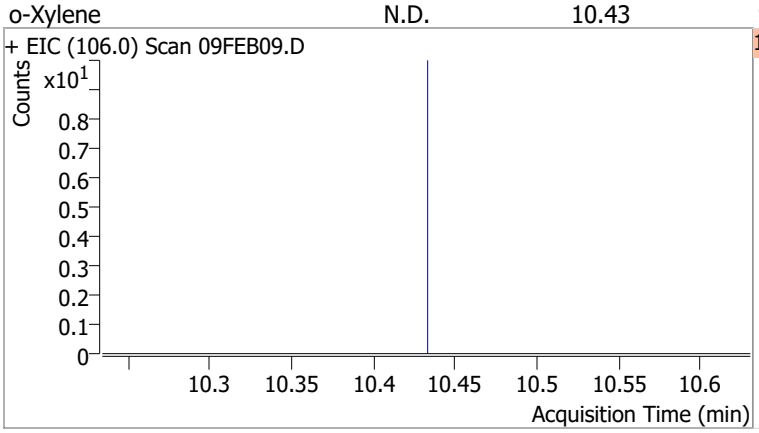


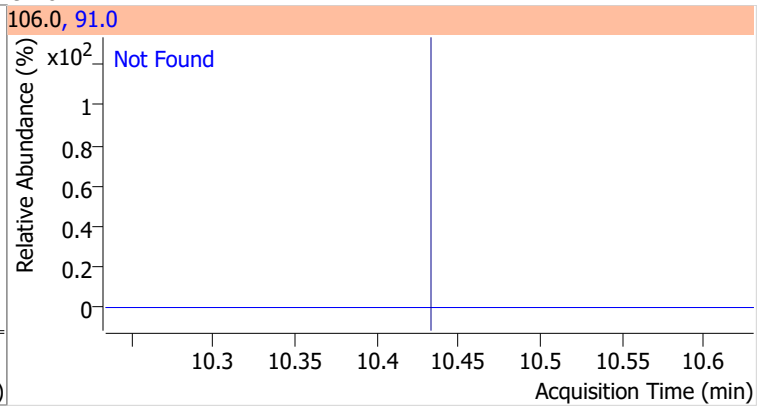
Compound	Conc.	Exp RT	QIon	Exp Ratio
m+p-Xylenes	N.D.	10.04	91.0	200.7



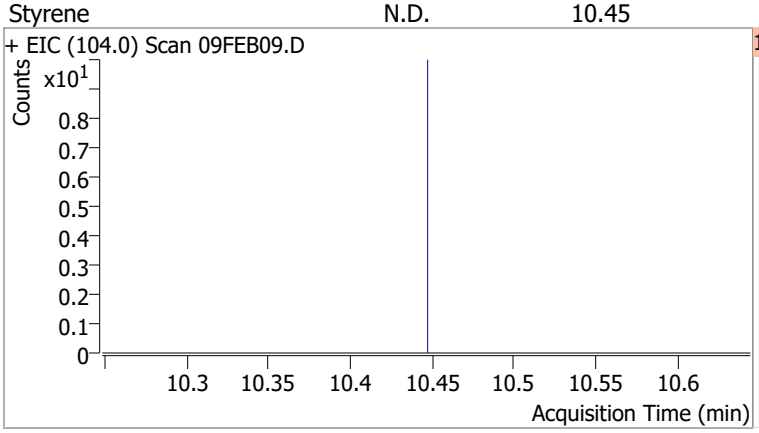


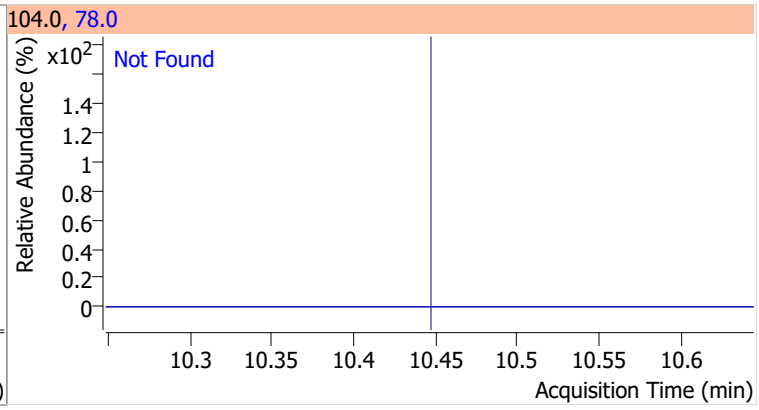
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



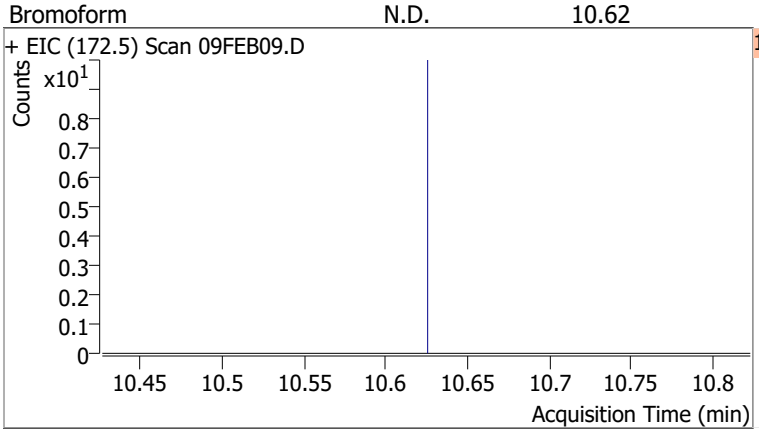


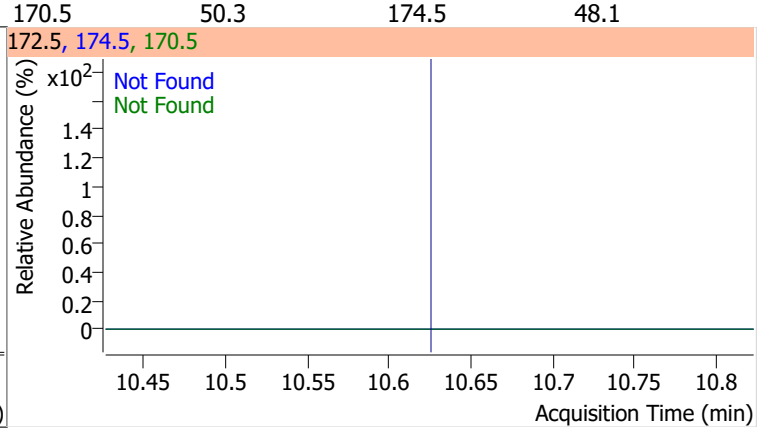
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



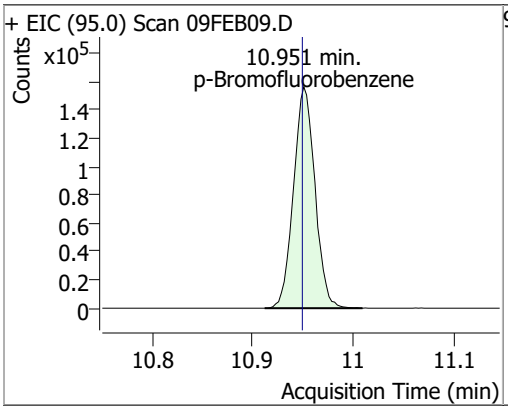


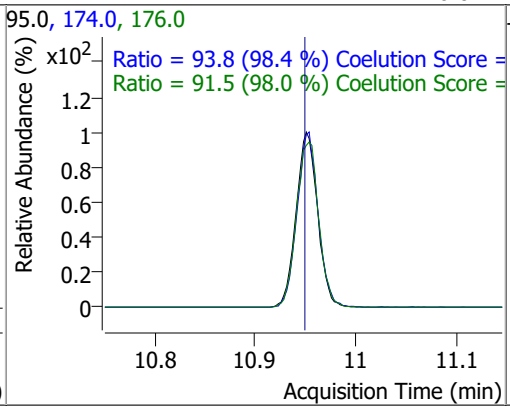
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

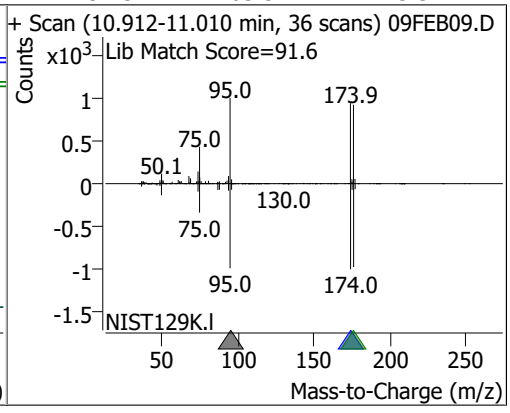




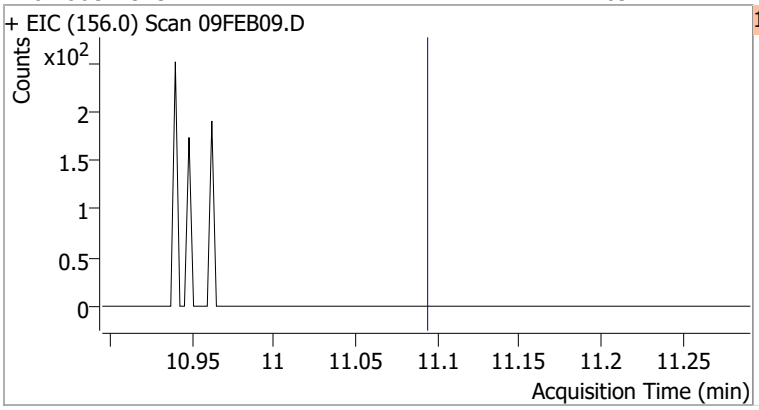
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	261.5351	10.95	0.00	231520	174.0	93.8	65.3	125.3
					176.0	91.5	63.3	123.3

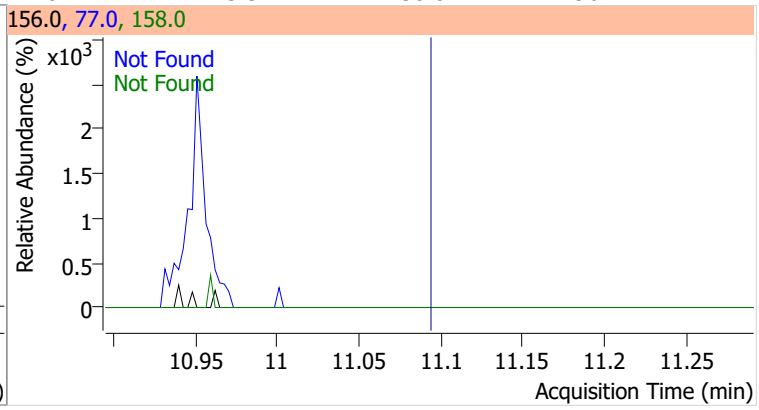




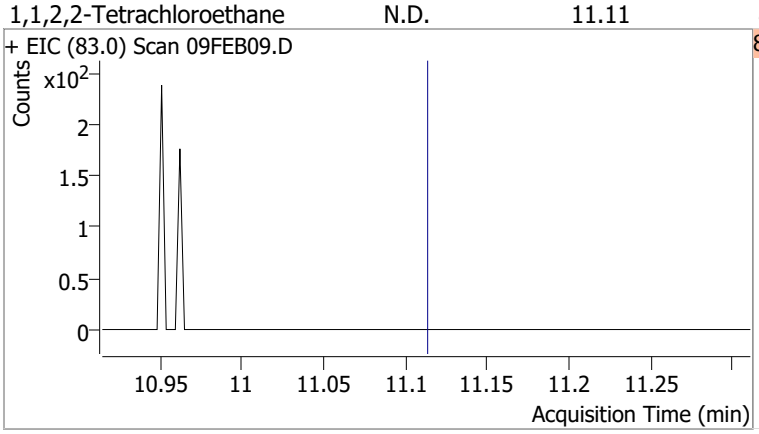


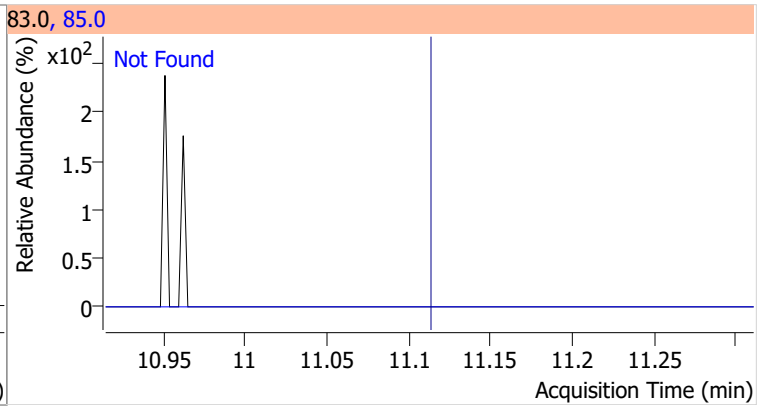
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



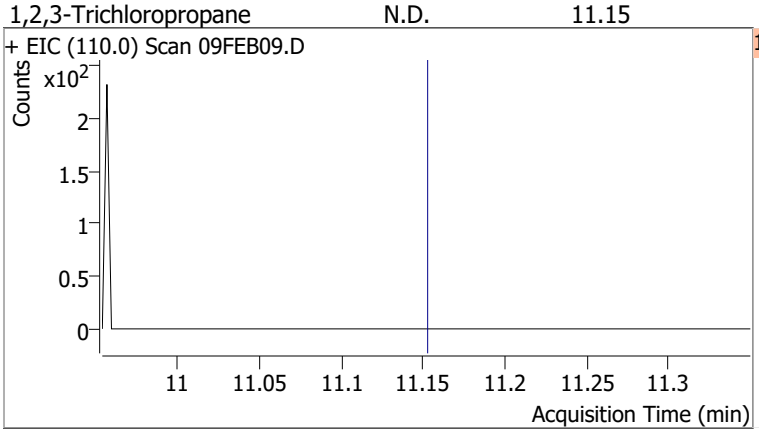


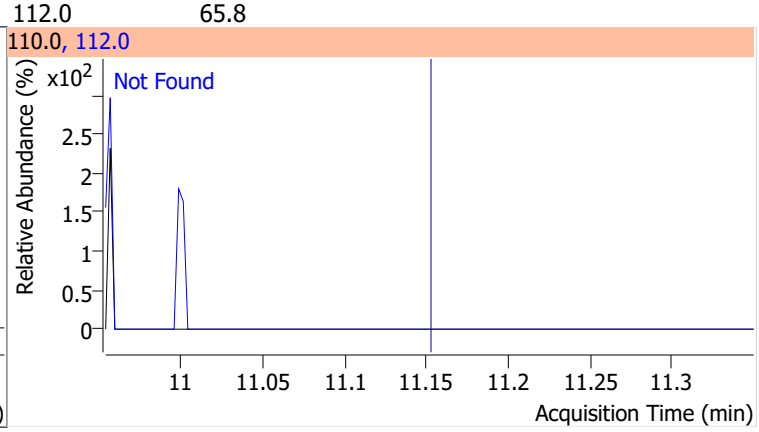
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



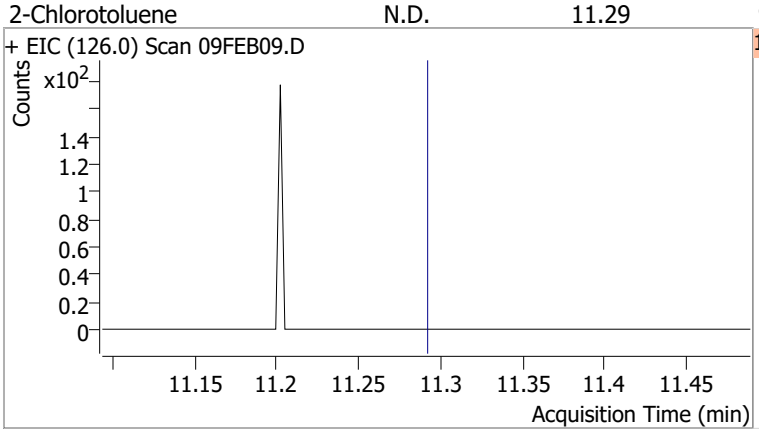


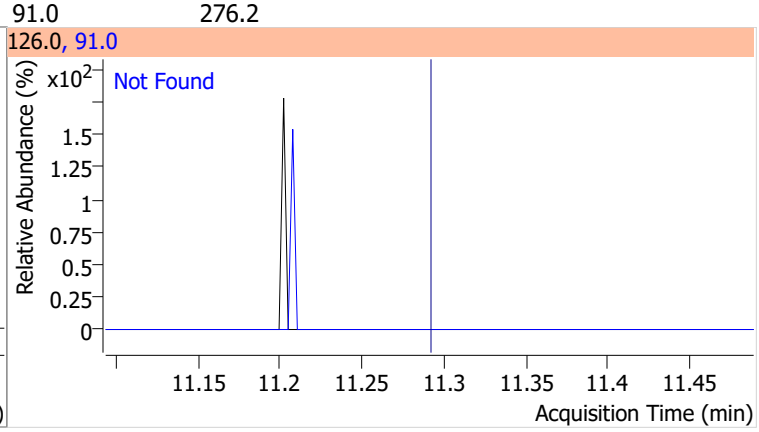
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



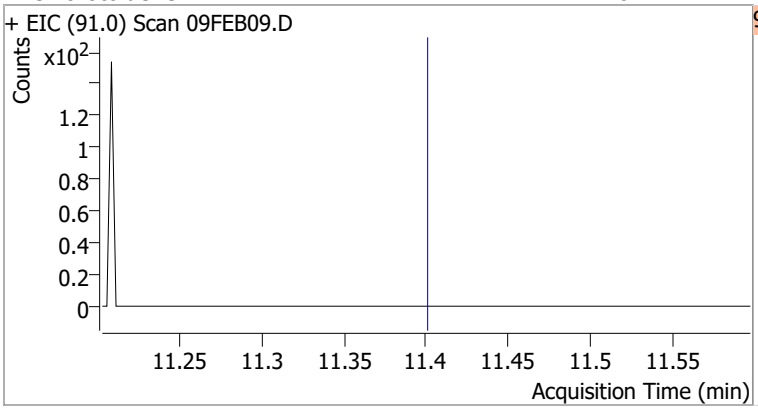


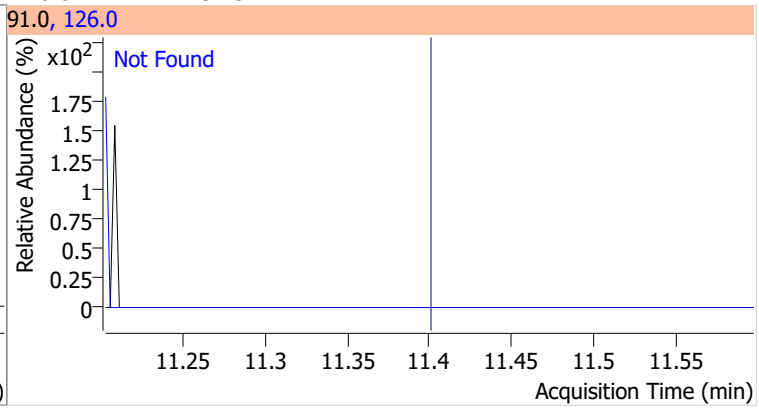
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



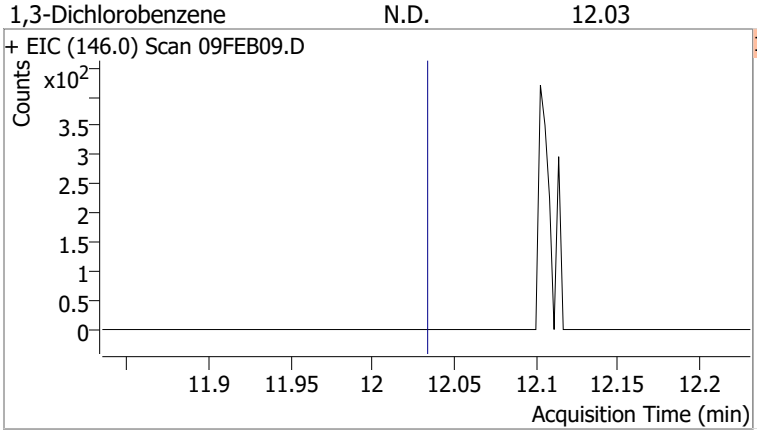


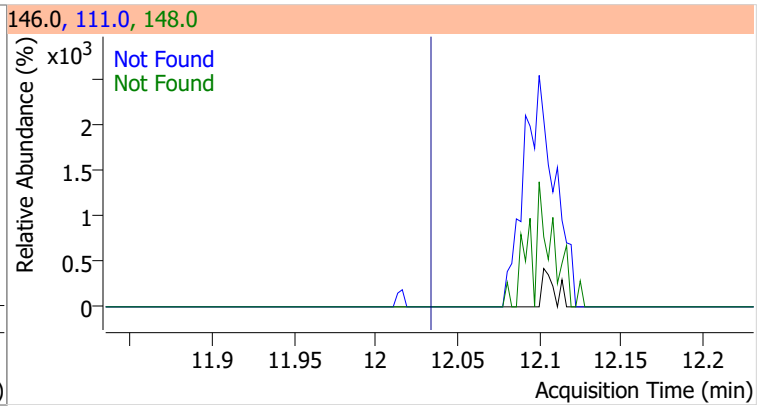
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



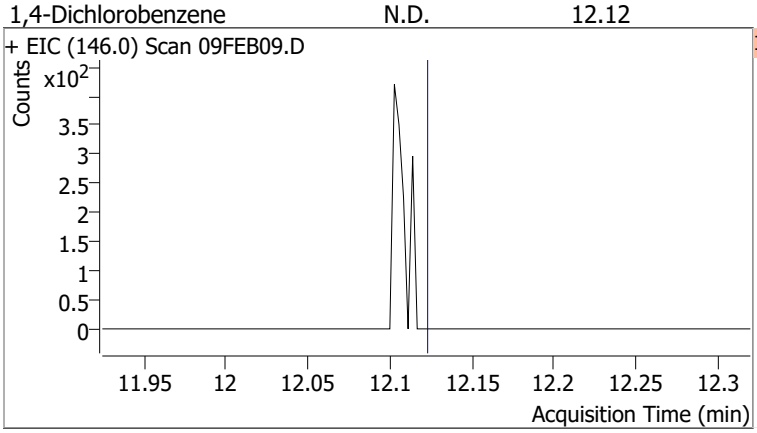


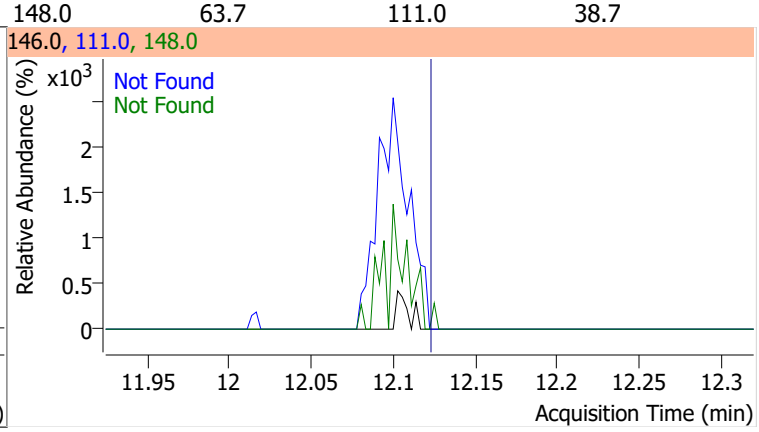
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



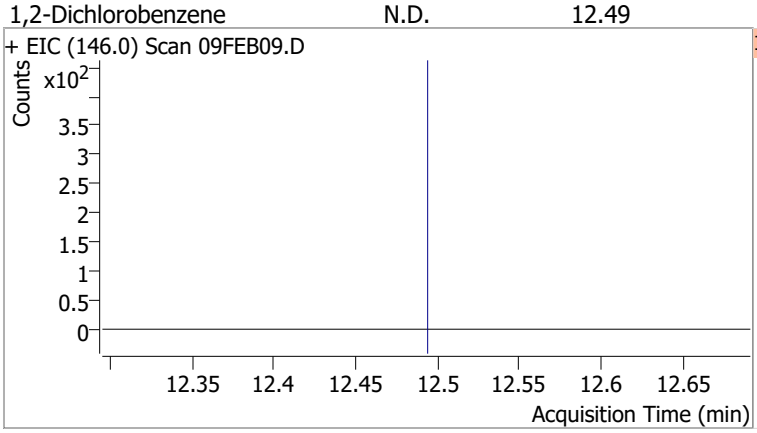


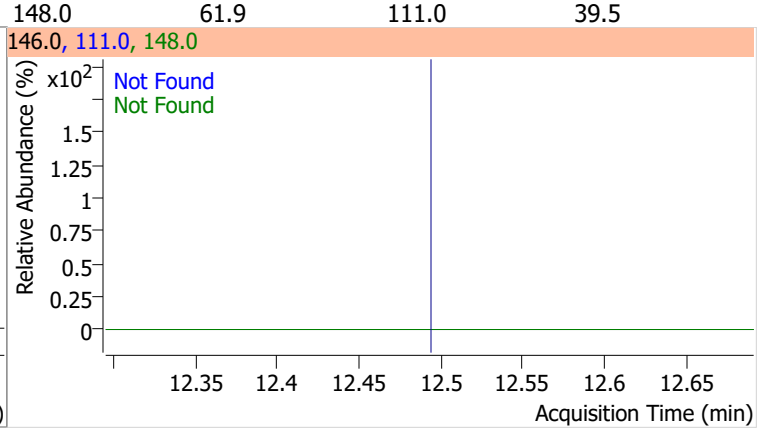
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





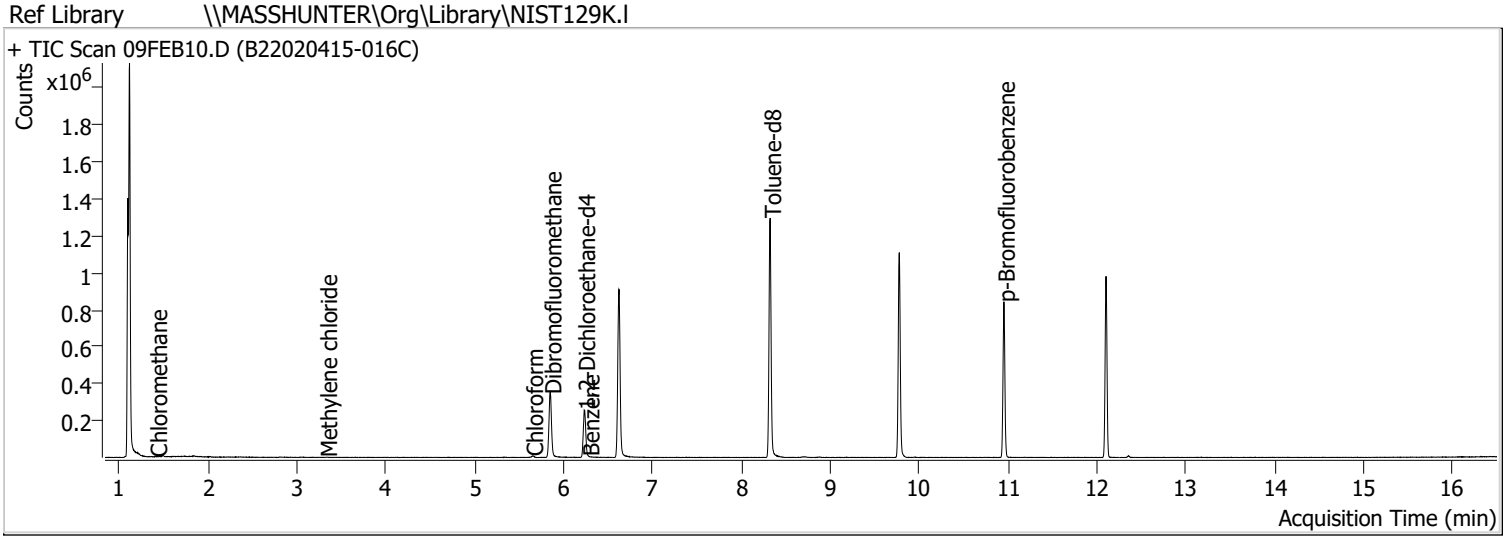
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB10.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 9:44:41 AM
Sample Name	B22020415-016C	Instrument	VOA5975C
Vial	10	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

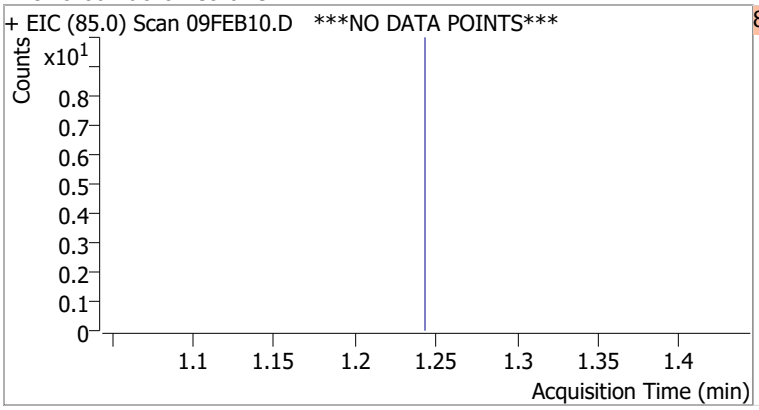


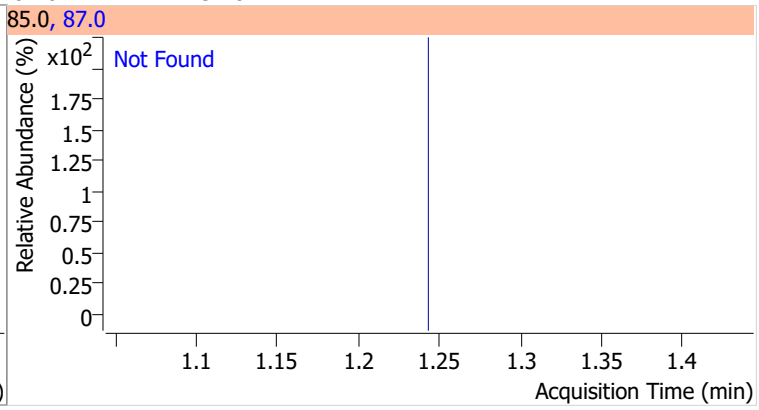
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	780345	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	305357	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	232779	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.851	113.0	212667	281.3695	ng		0.000
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 112.55%			
S 1,2-Dichloroethane-d4	6.230	67.0	95418	292.2469	ng		0.000
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 116.90%			
S Toluene-d8	8.321	98.0	786973	264.1690	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 105.67%			
S p-Bromofluorobenzene	10.951	95.0	230373	268.0395	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 107.22%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	1.417	50.0	1180	0.9555	ng	m	96
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.327	49.0	830	0.7275	ng	m	72
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	5.644	83.0	7086	4.6786	ng		86

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	6.032	117.0	0		ng	md	1
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	6.277	78.0	121	0.0387	ng	m	66
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	0.000		0	N.D.			
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	10.039	106.0	0		ng	md	1
T o-Xylene	0.000		0	N.D.			
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

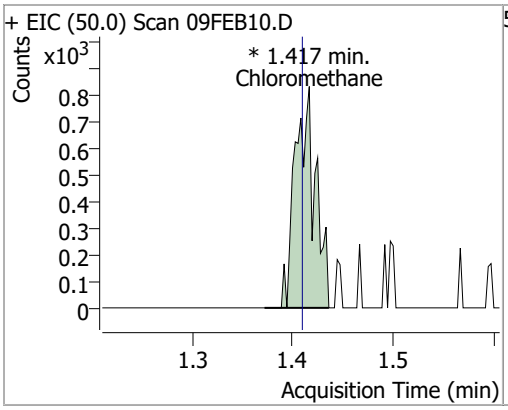
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

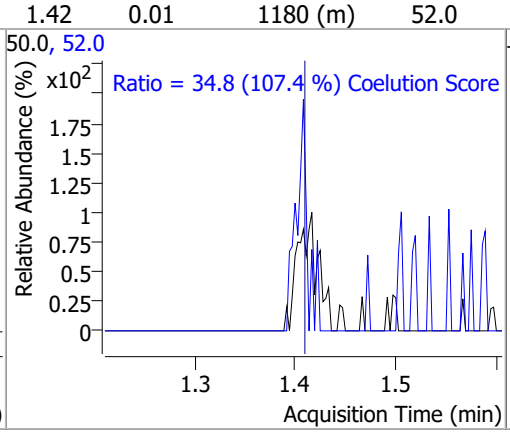
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8

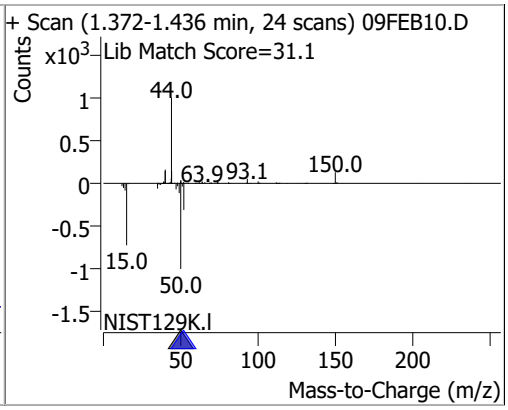




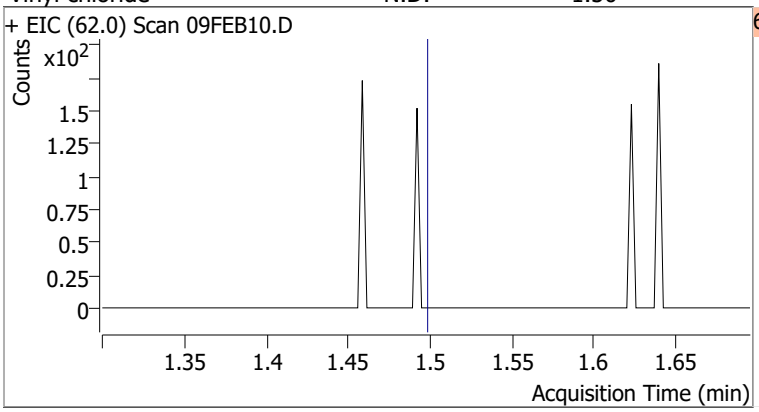
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	0.9555	1.42	0.01	1180 (m)	52.0	34.8	2.4	62.4

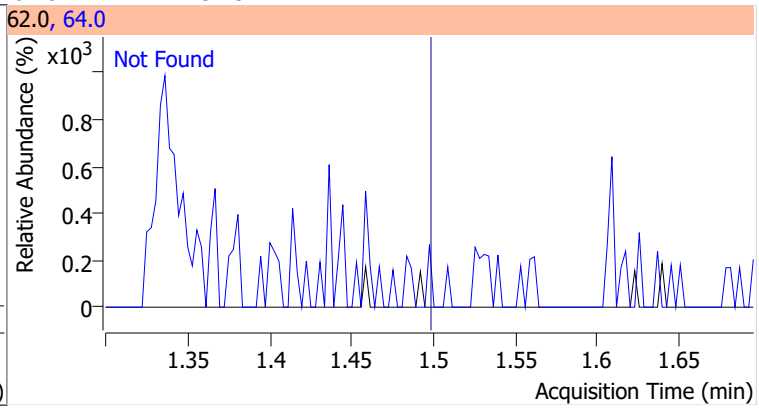




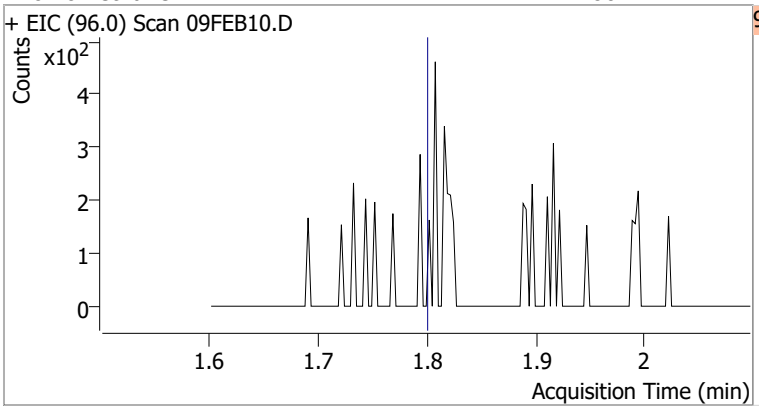


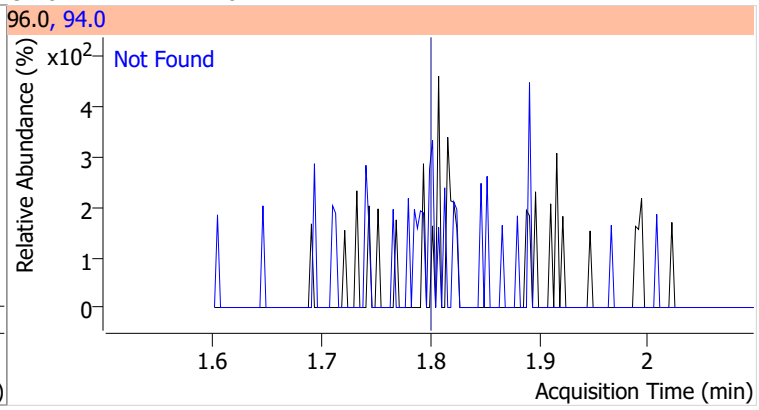
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



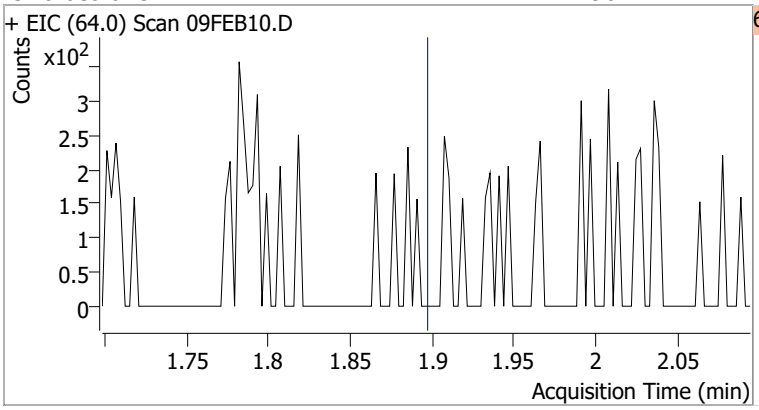


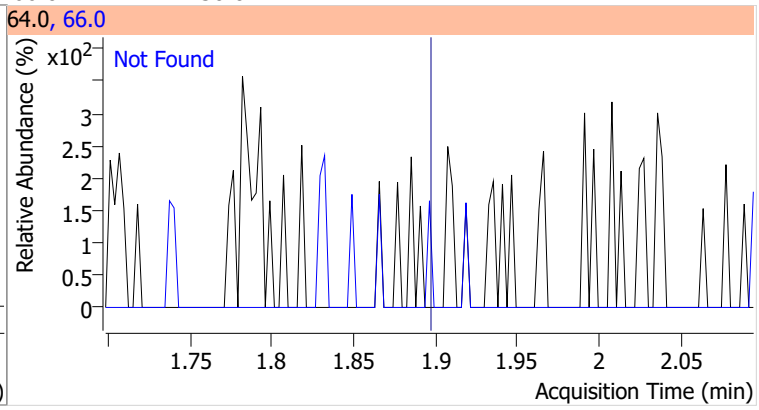
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



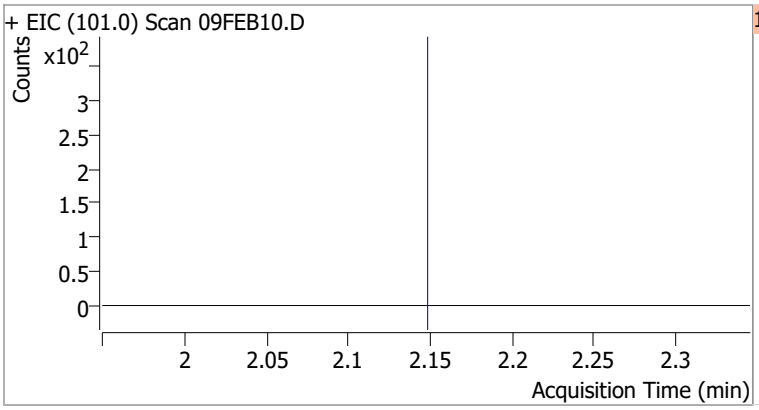


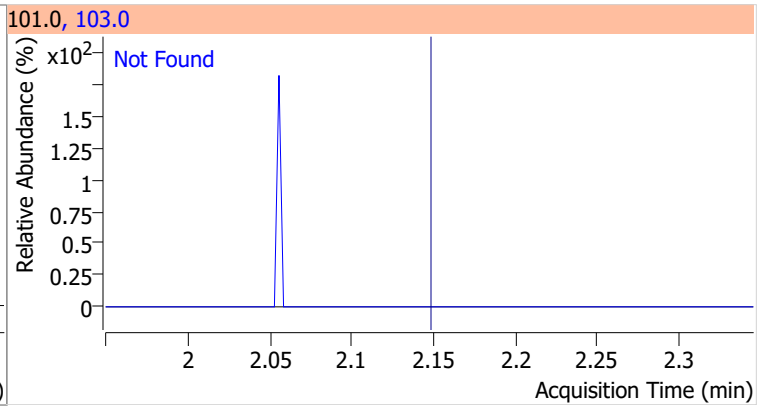
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



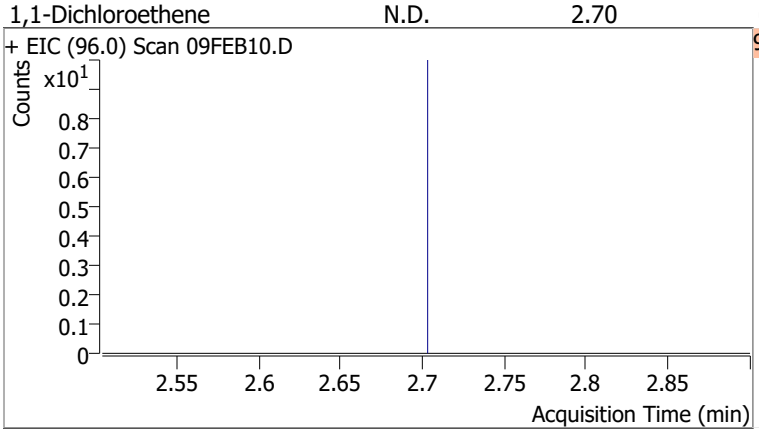


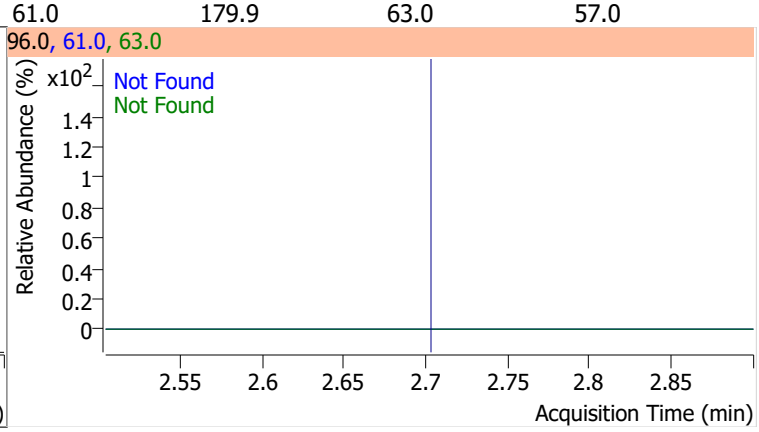
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



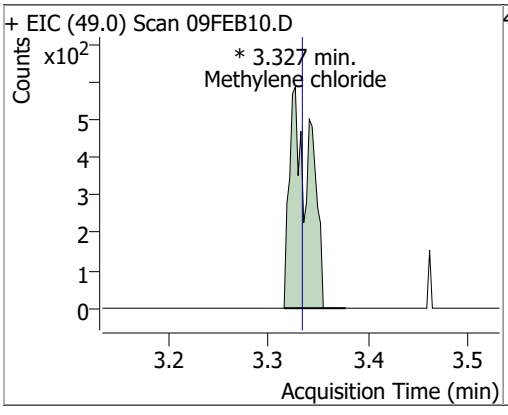


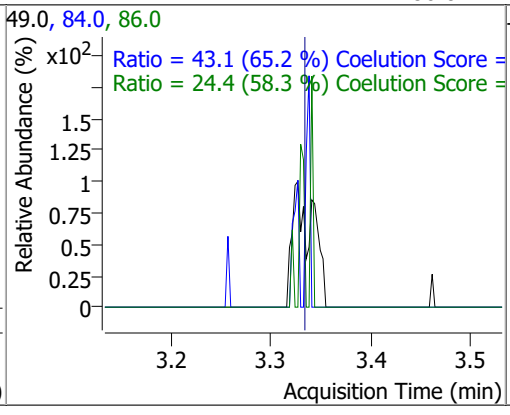
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

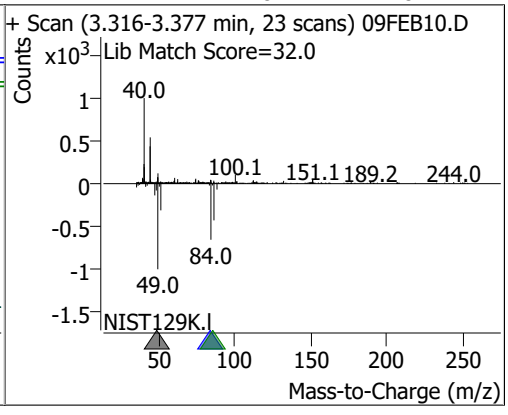




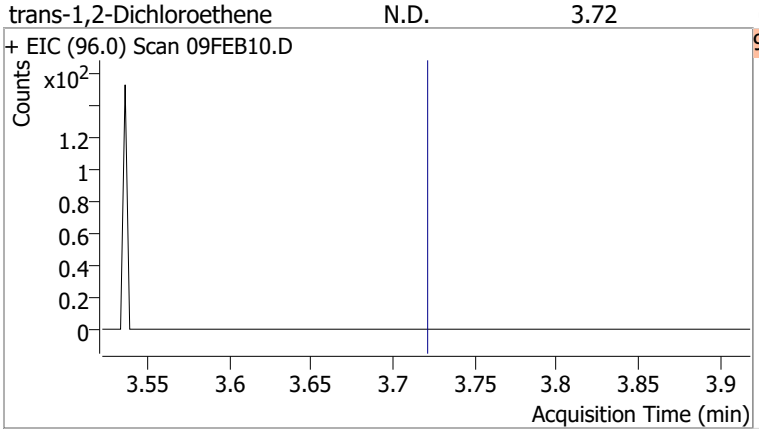
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	0.7275	3.33	-0.01	830 (m)	84.0	43.1	36.1	96.1
					86.0	24.4	11.8	71.8

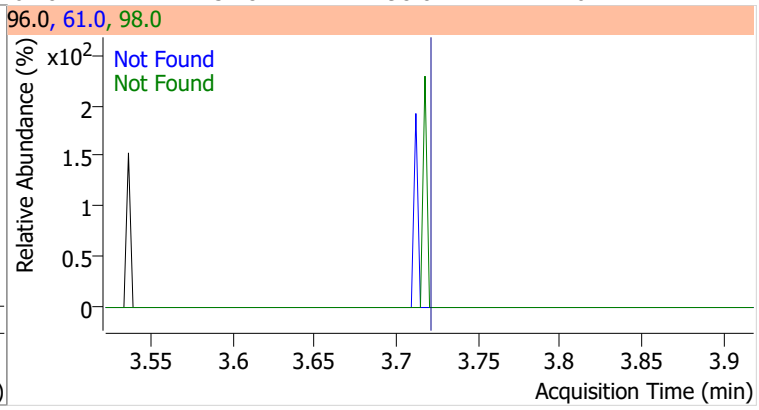




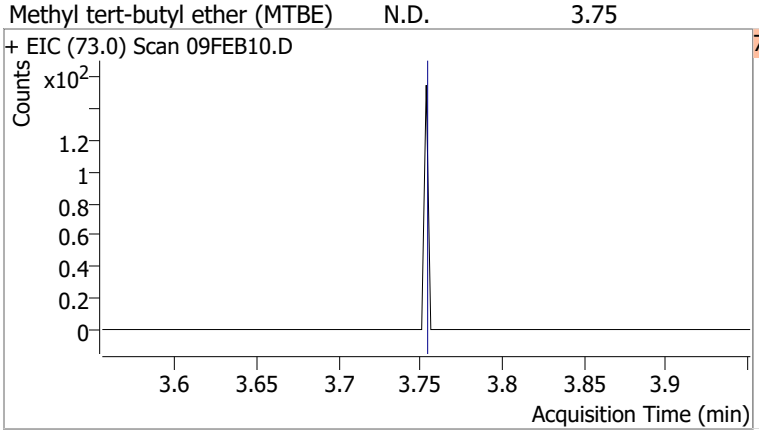


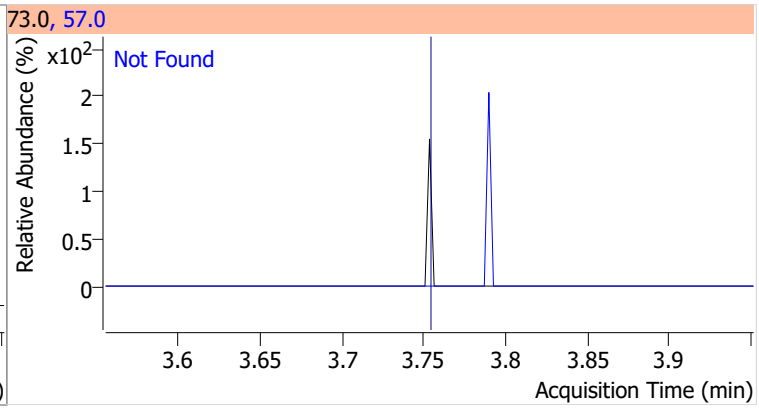
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



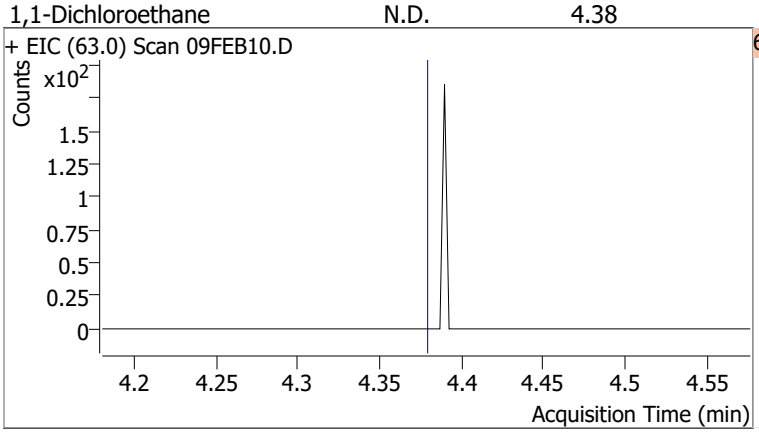


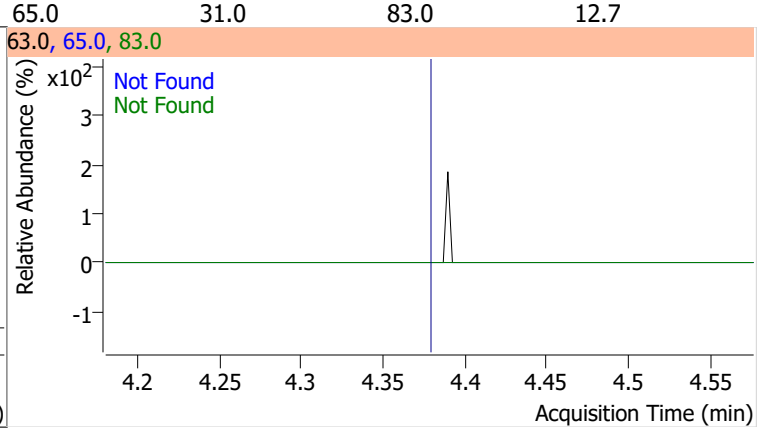
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



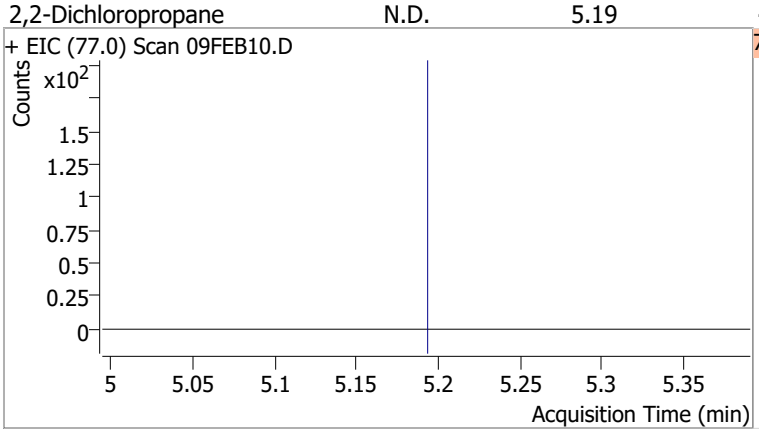


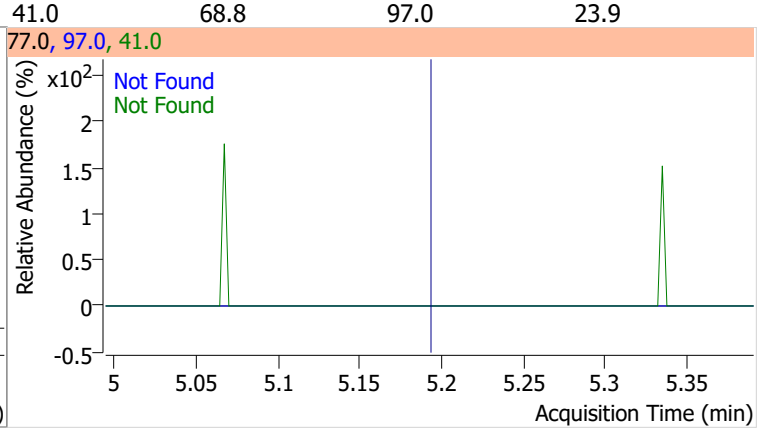
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



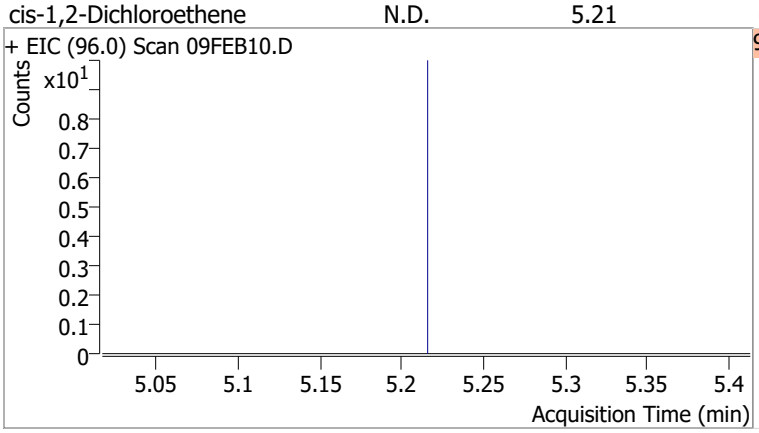


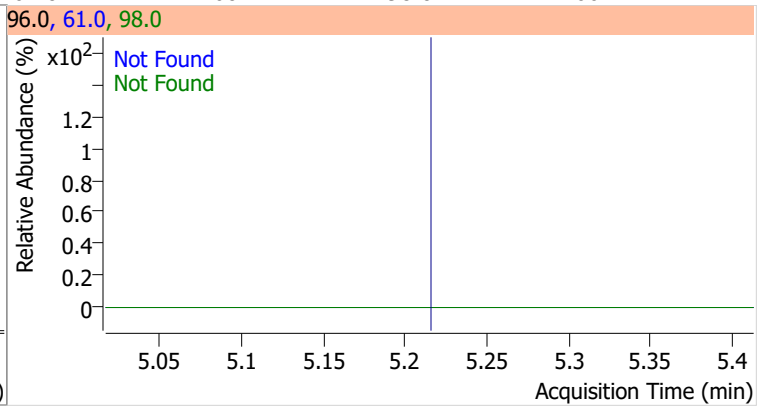
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



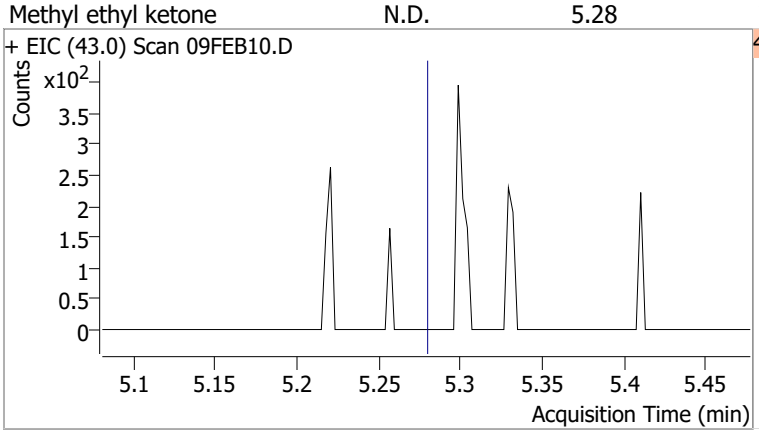


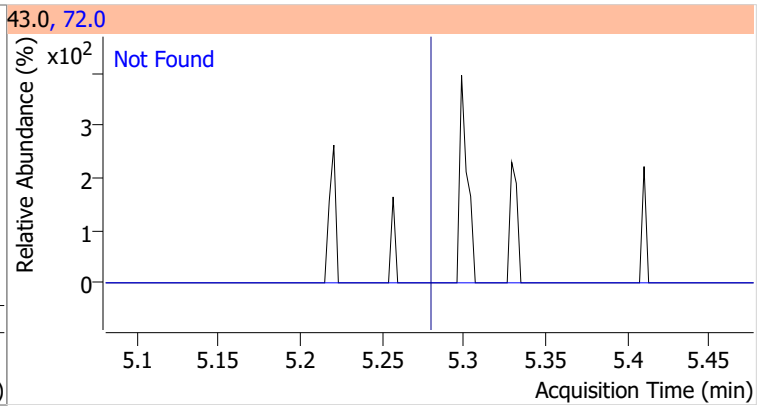
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



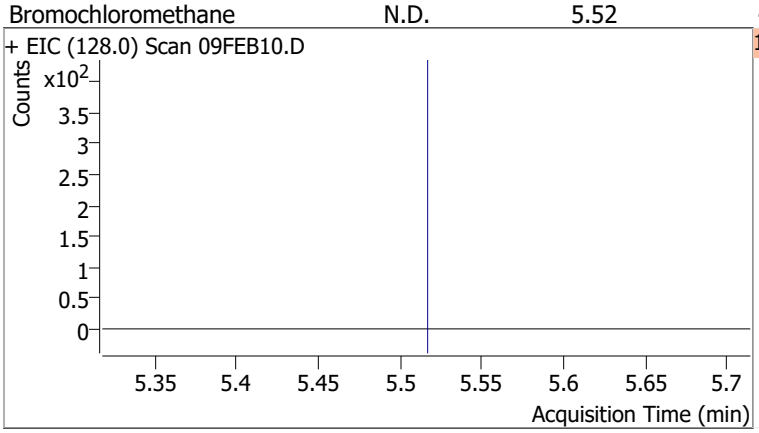


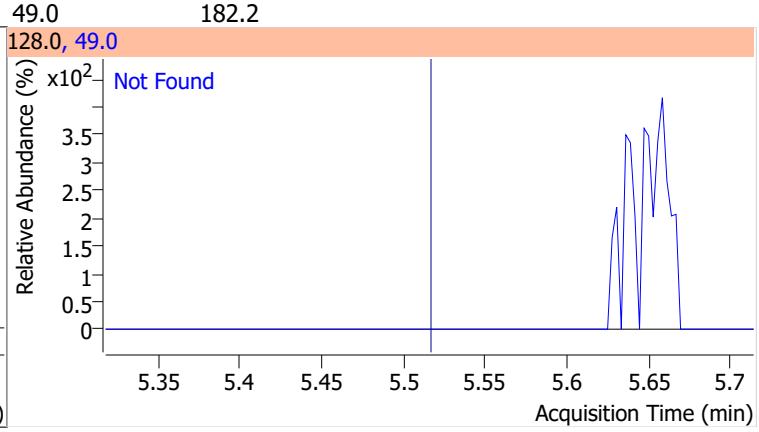
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



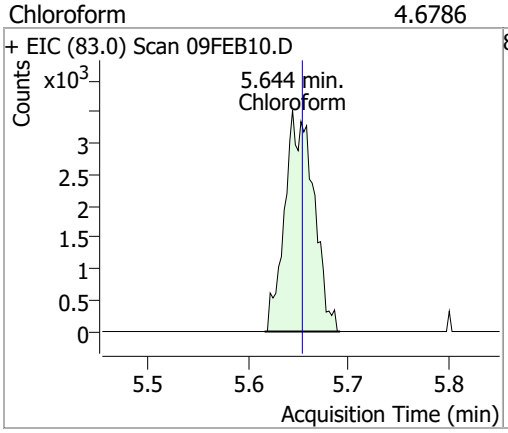


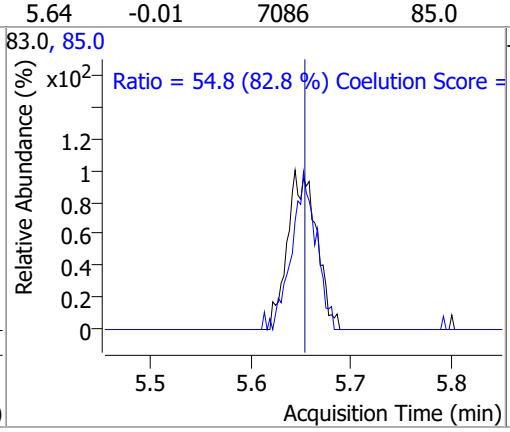
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2

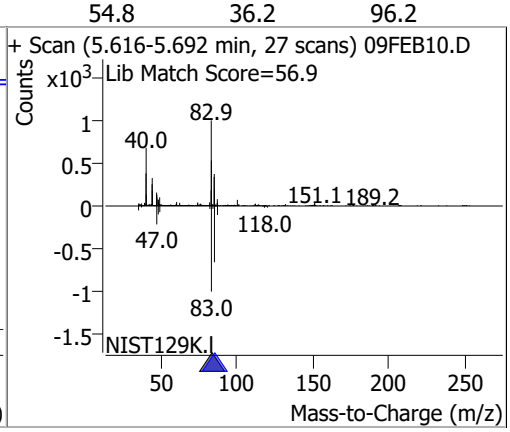




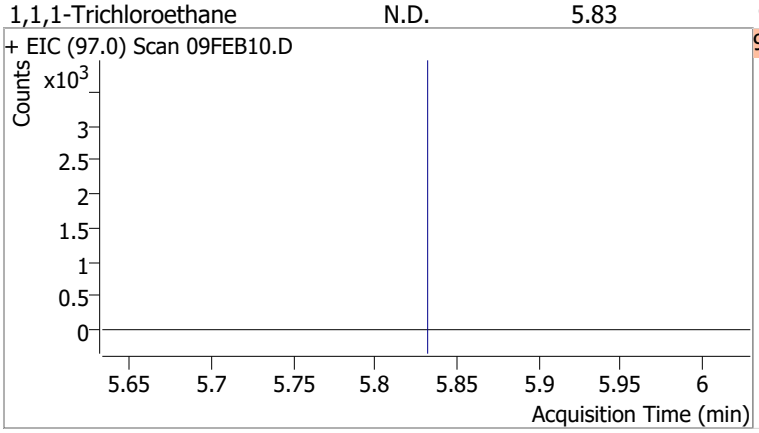
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	4.6786	5.64	-0.01	7086	85.0	54.8	36.2	96.2

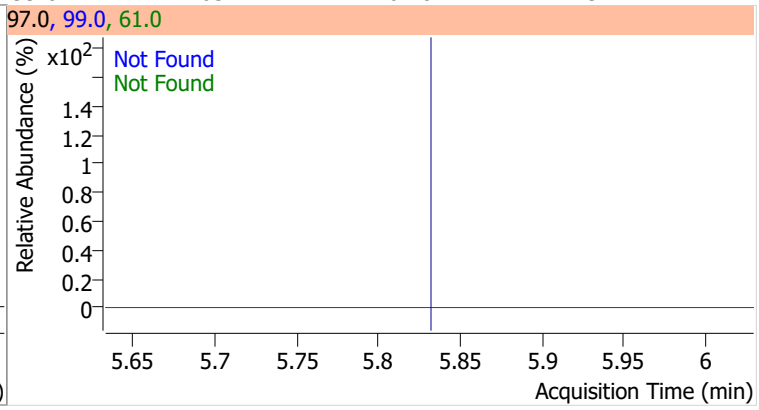




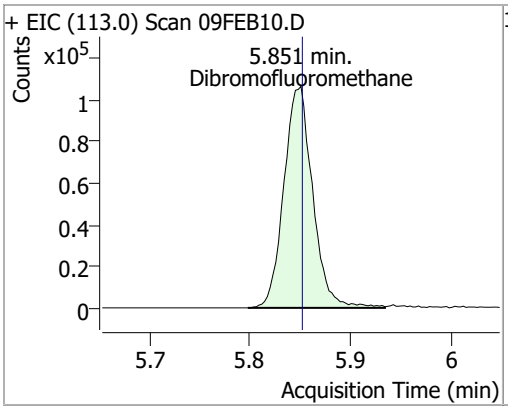


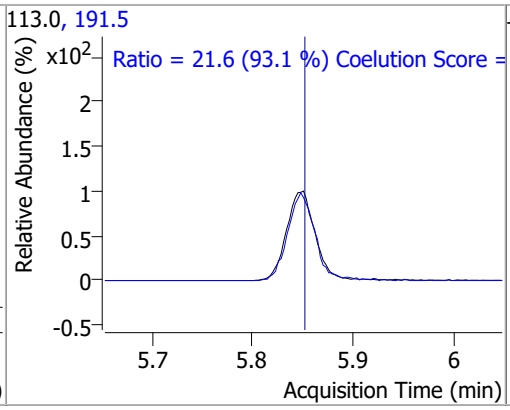
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

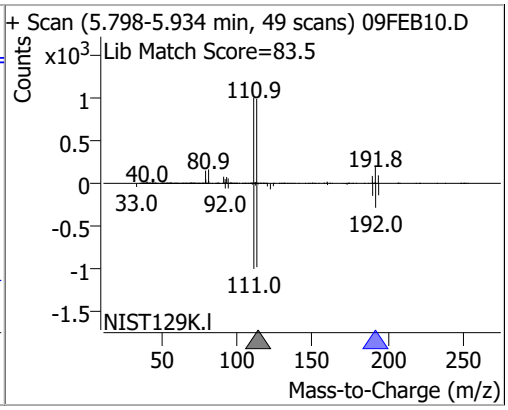




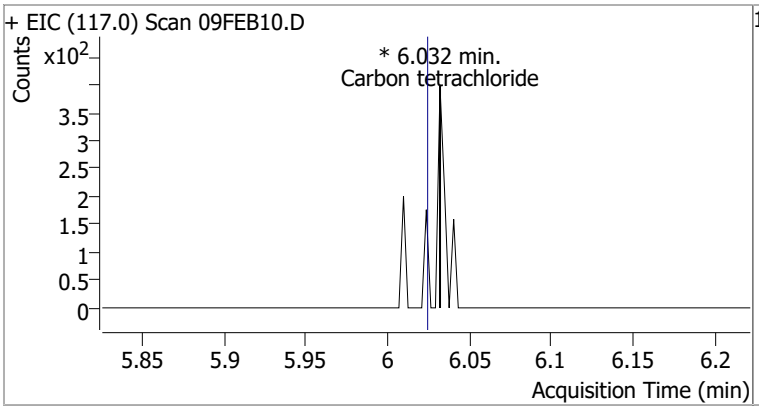
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	281.3695	5.85	0.00	212667	191.5	21.6	0.0	53.2

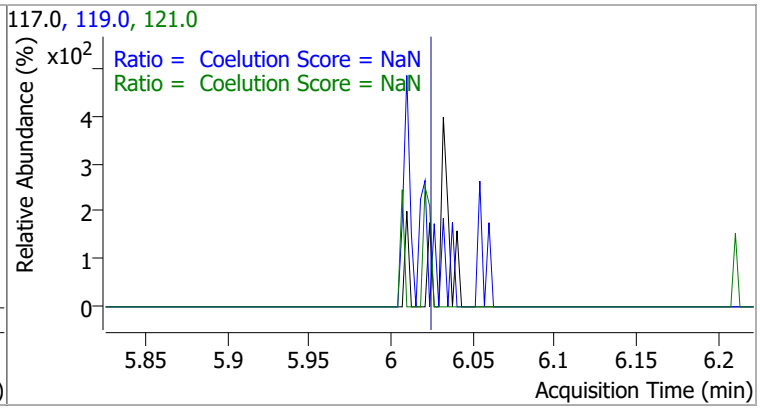




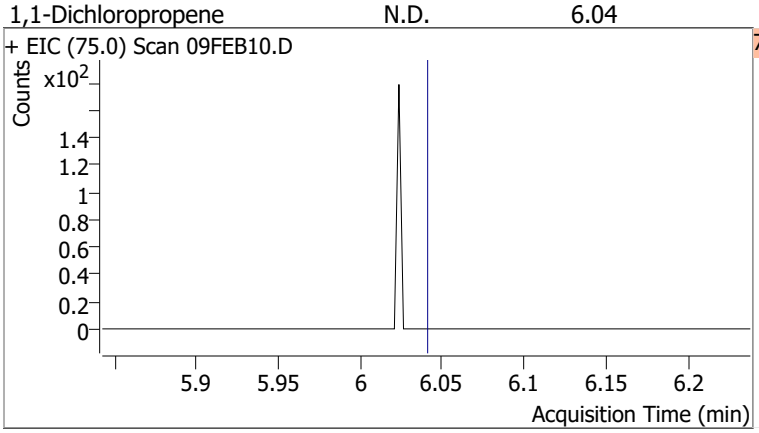


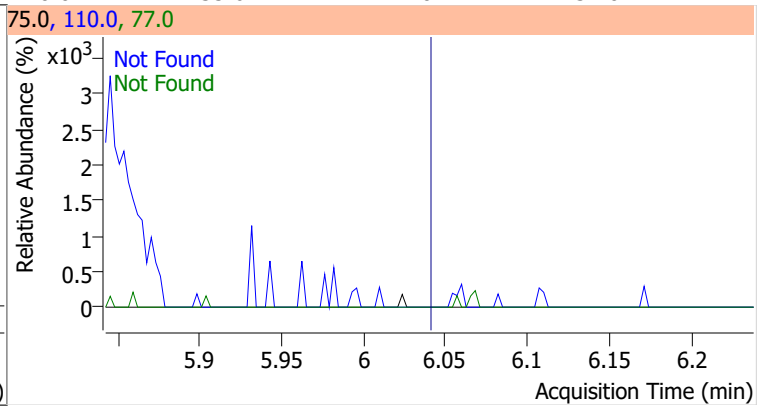
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride		0		0	119.0		67.6	127.6
					121.0		0.7	60.7



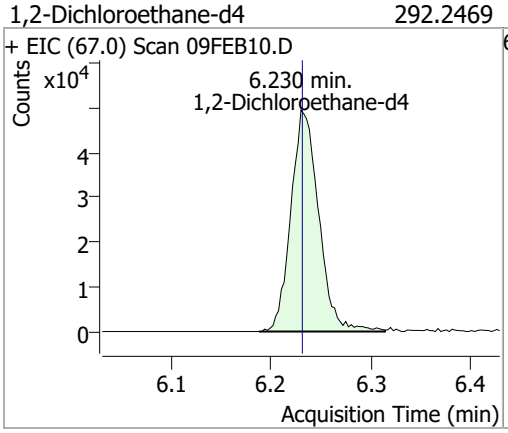


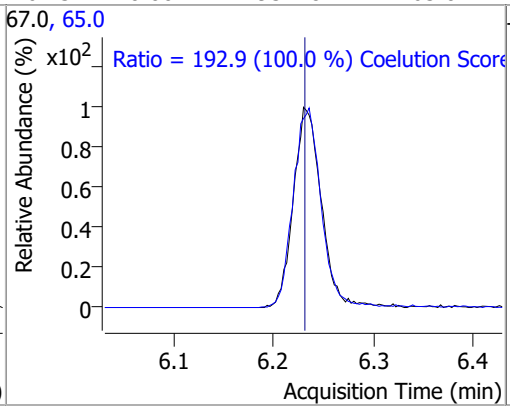
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

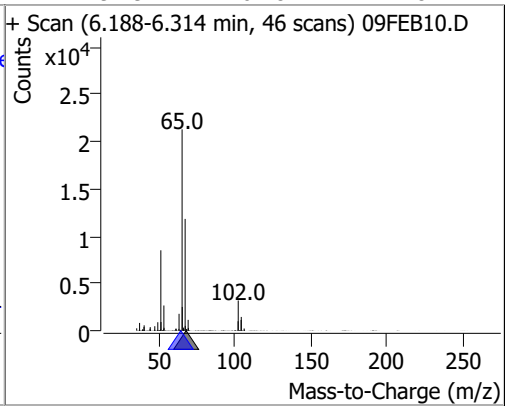




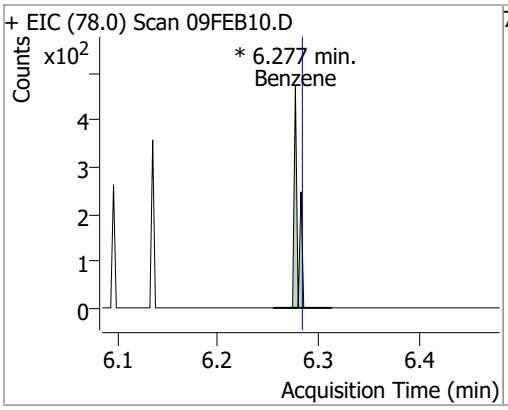
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	292.2469	6.23	0.00	95418	65.0	192.9	162.8	222.8

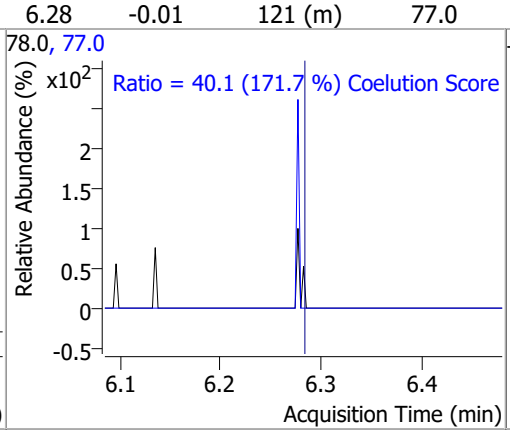


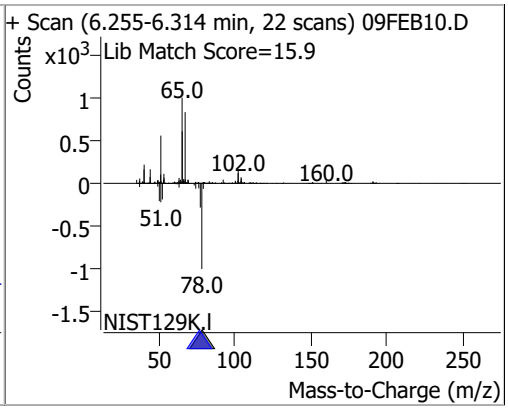




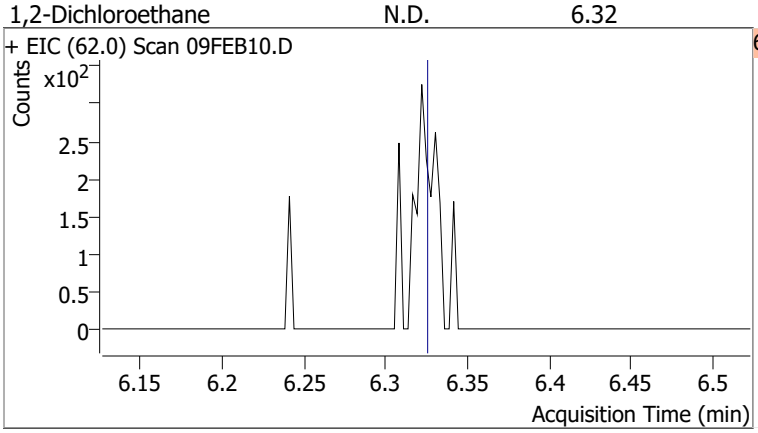
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	0.0387	6.28	-0.01	121 (m)	77.0	40.1	0.0	53.3

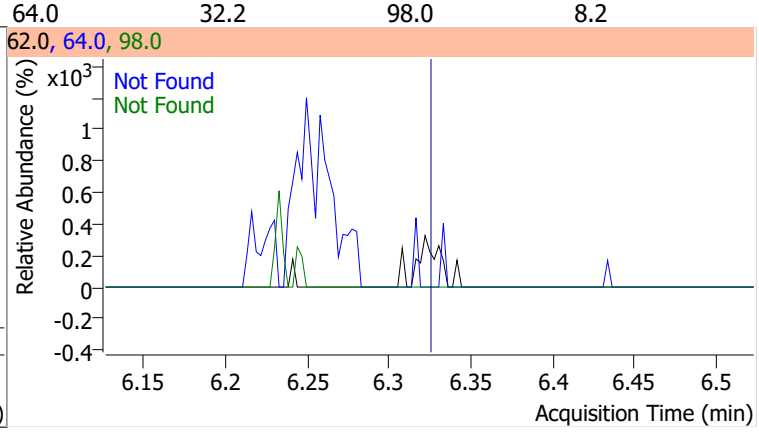




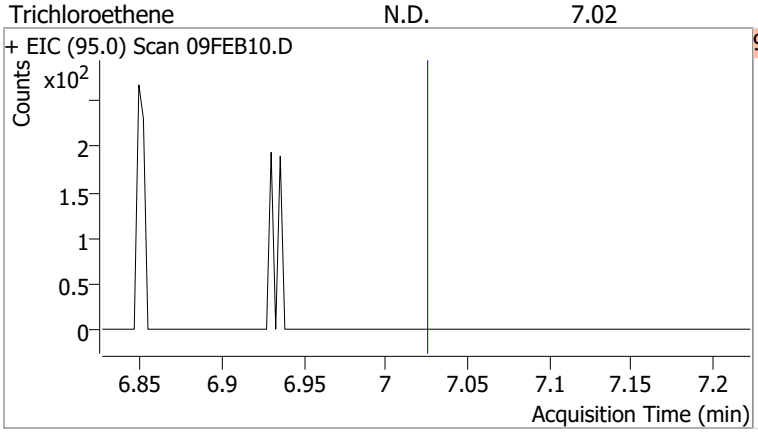


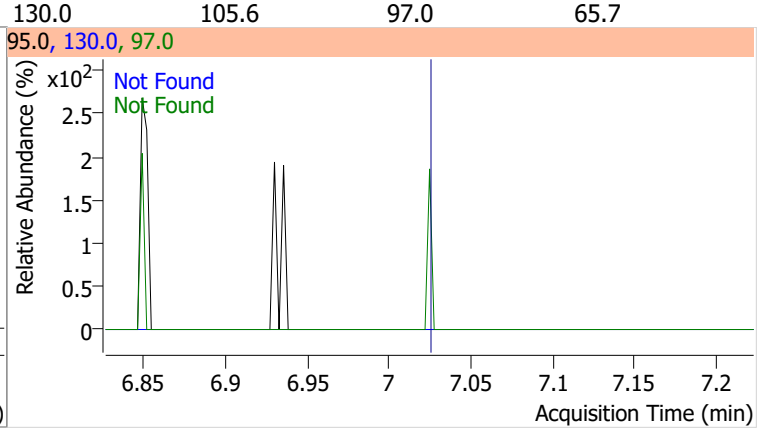
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



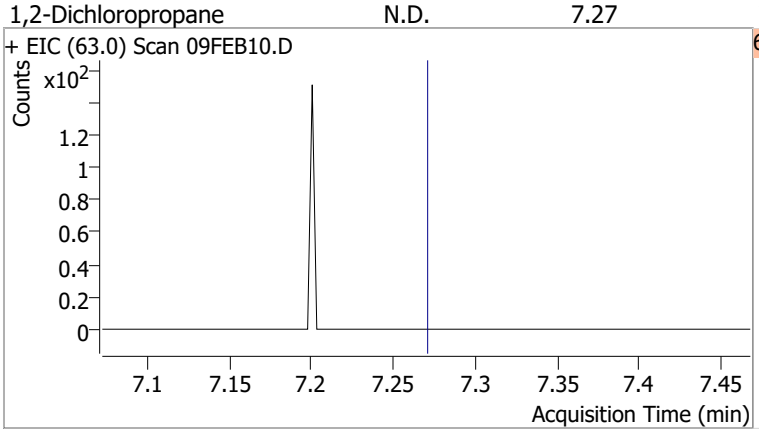


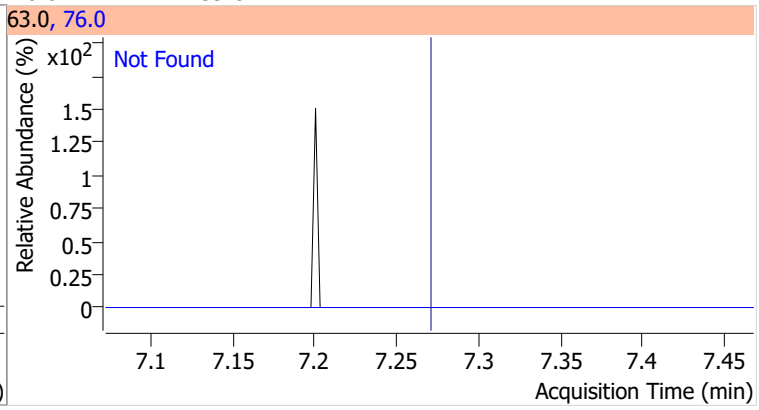
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



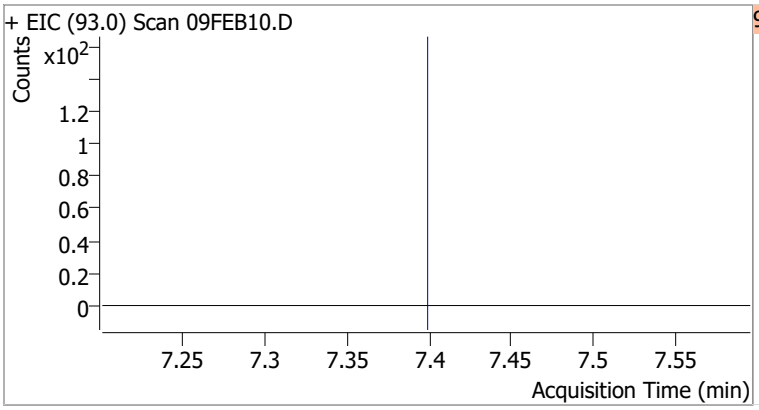


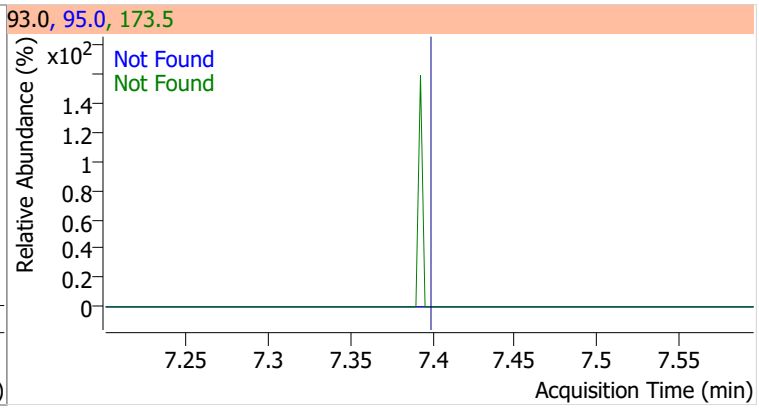
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



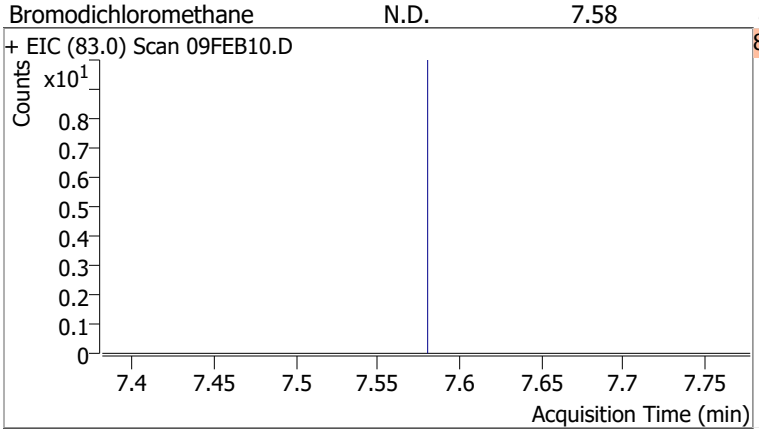


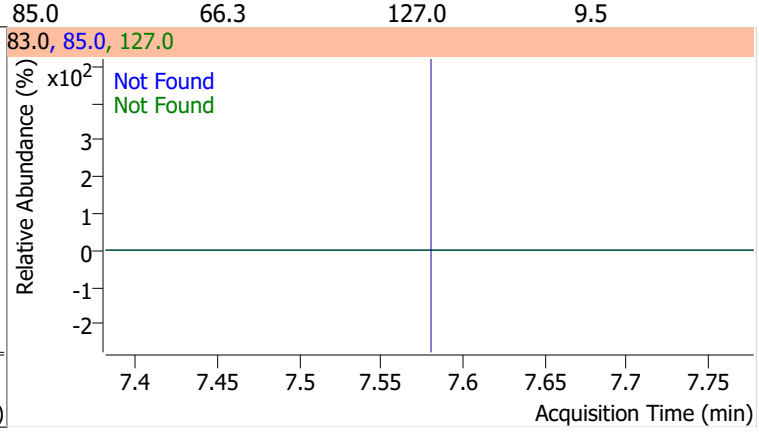
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



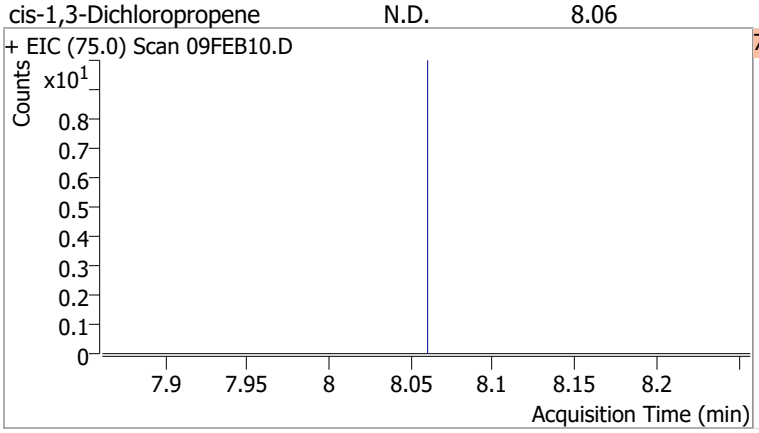


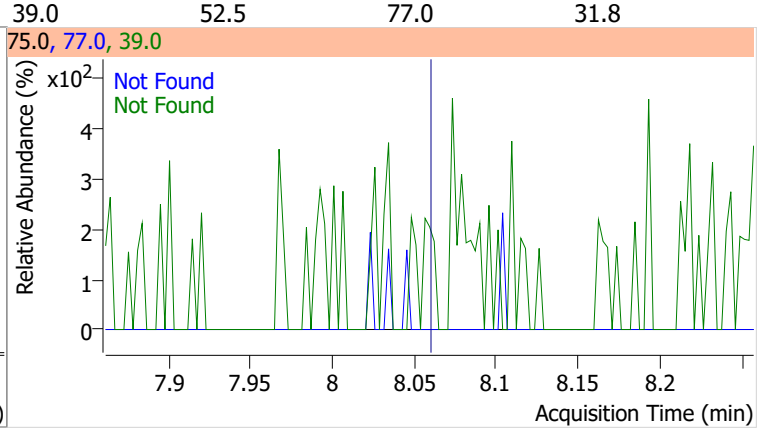
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5





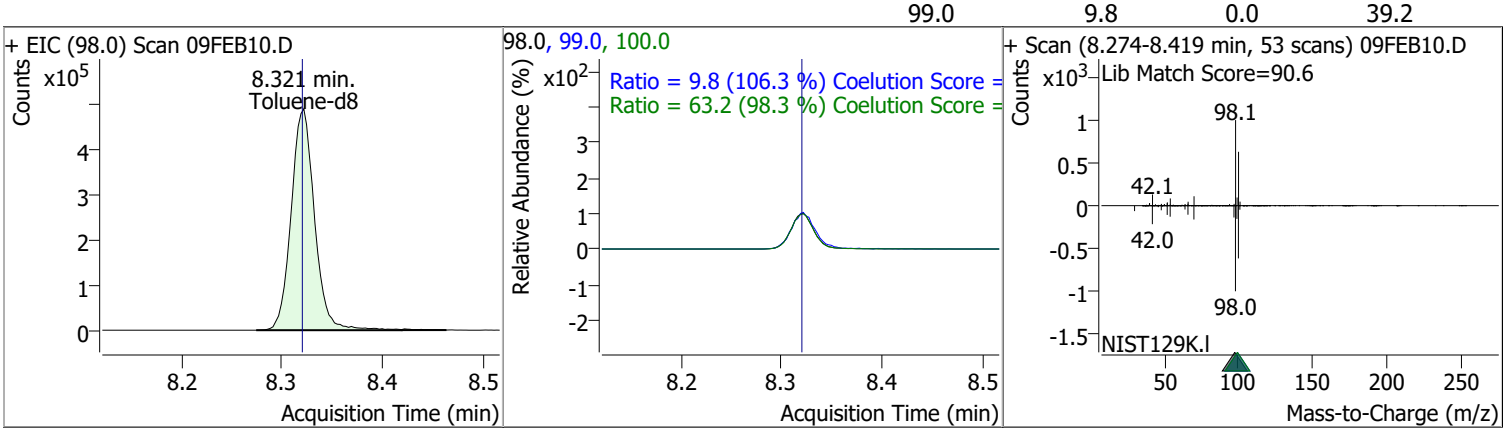
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8



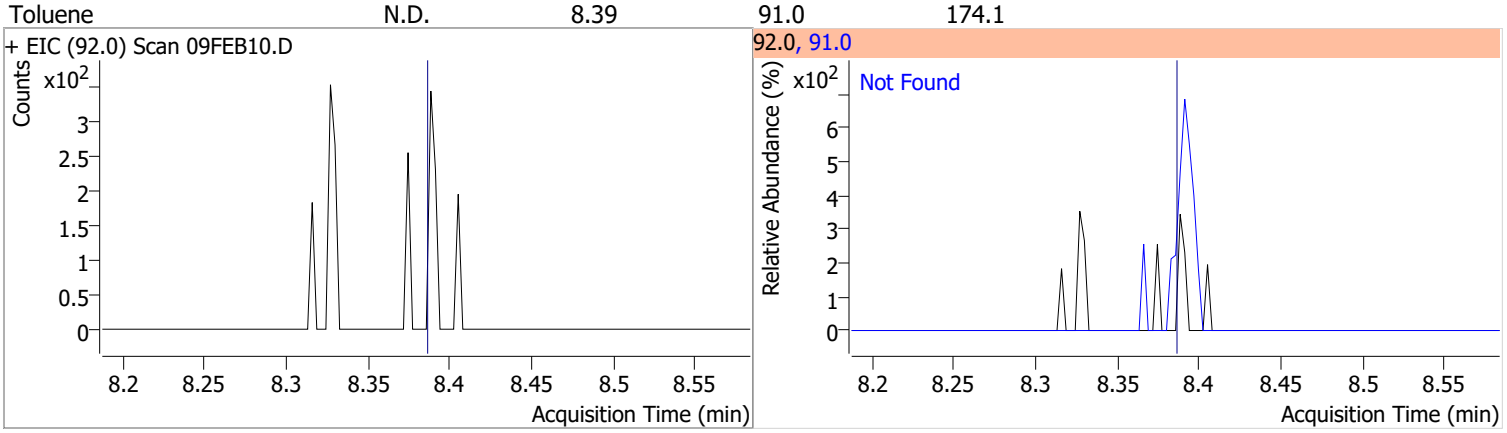


Quantitation Results Report (QT Reviewed)

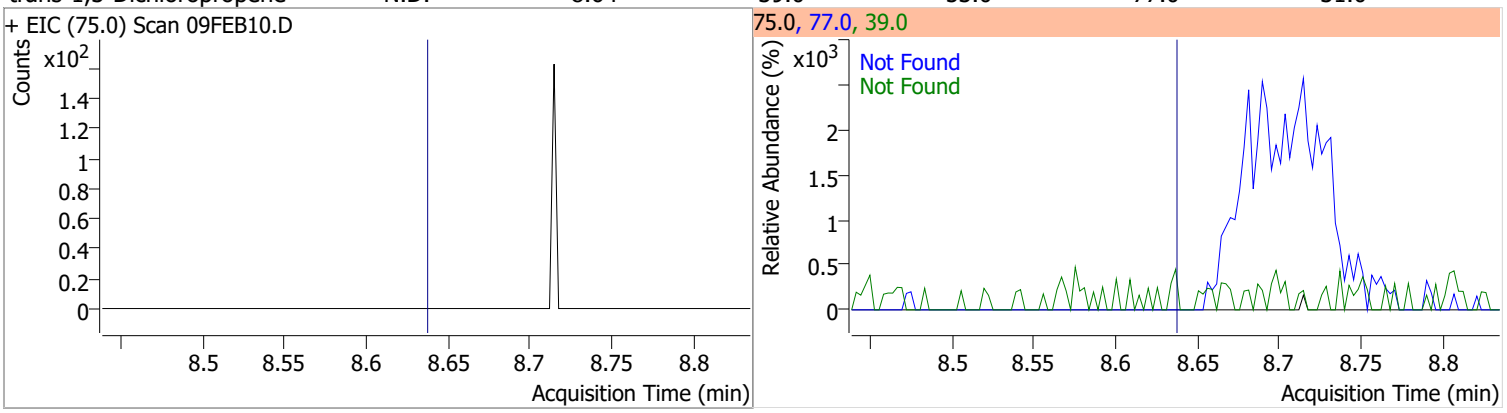
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	264.1690	8.32	0.00	786973	100.0	63.2	34.3	94.3
					99.0	9.8	0.0	39.2



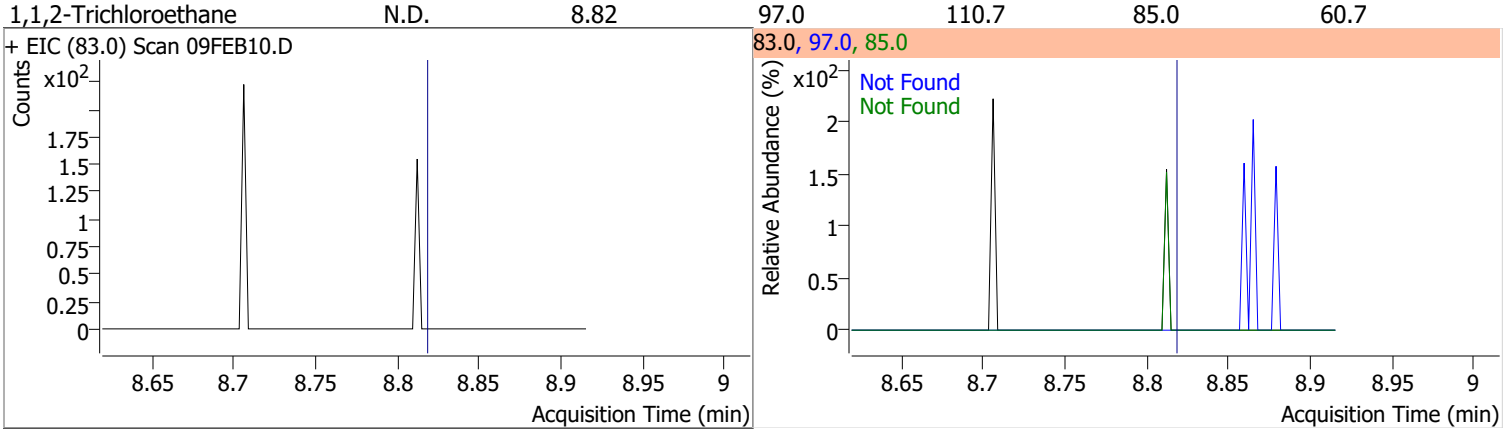
Compound	Conc.	Exp RT	QIon	Exp Ratio
Toluene	N.D.	8.39	91.0	174.1



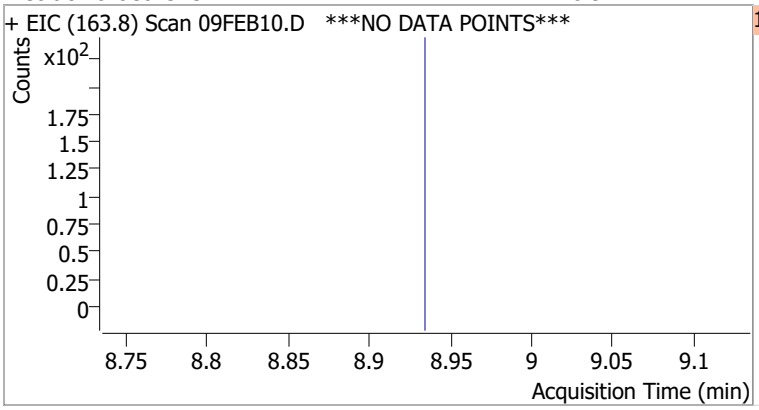
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0

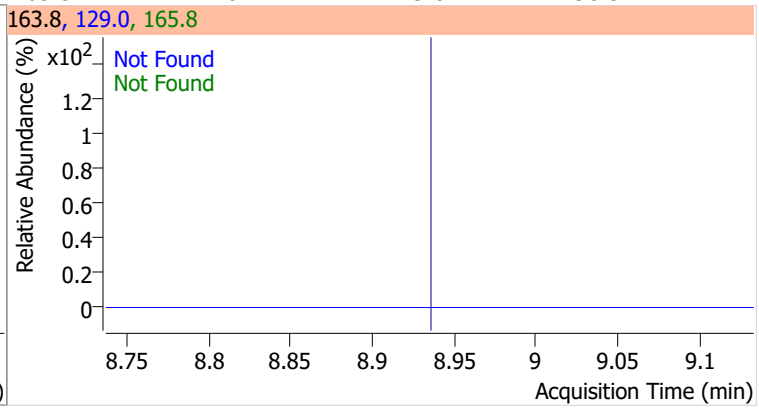


Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7

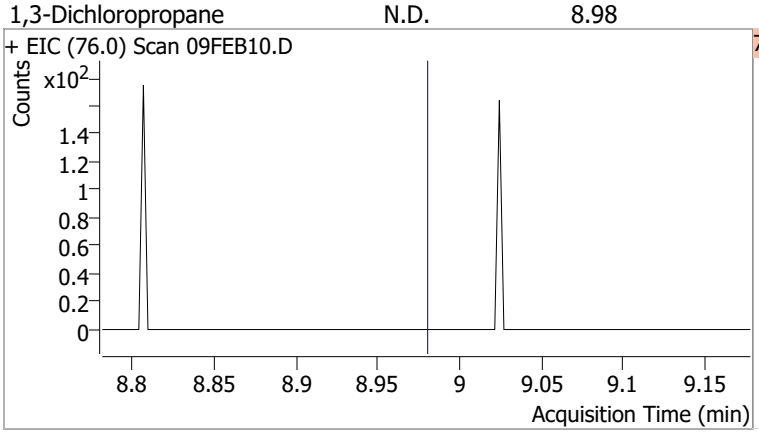


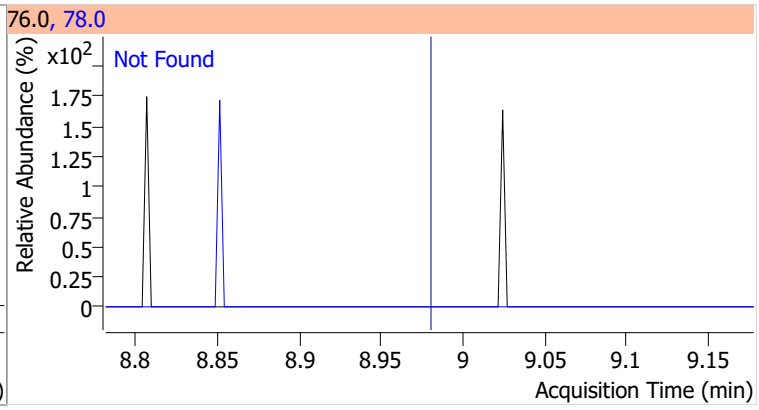
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



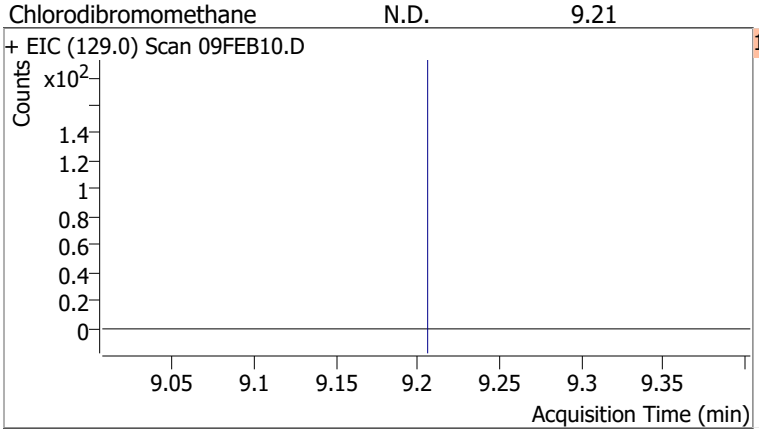


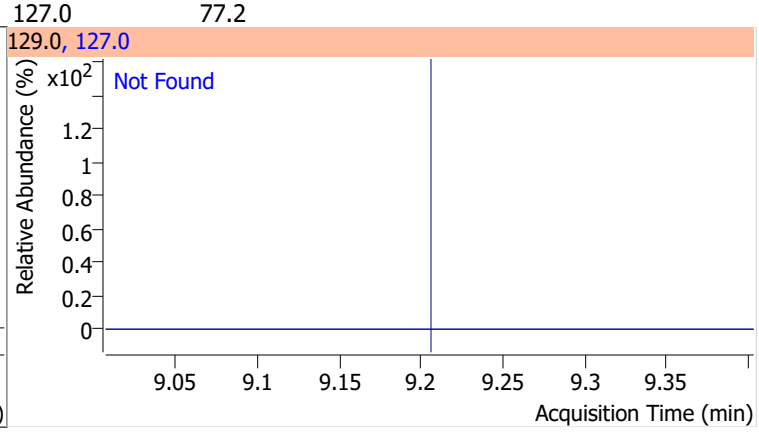
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



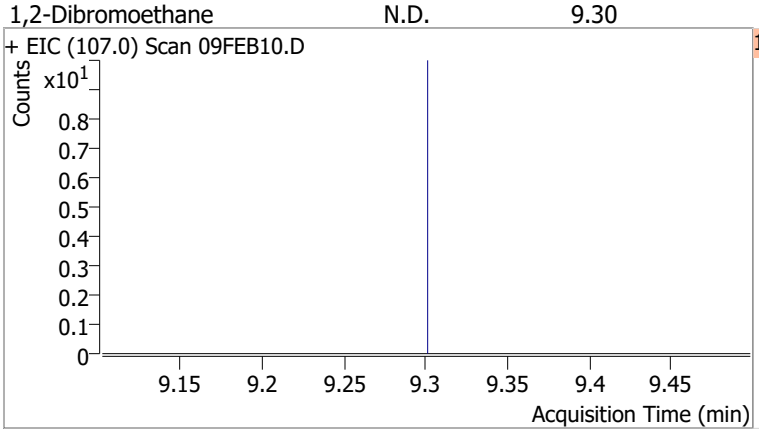


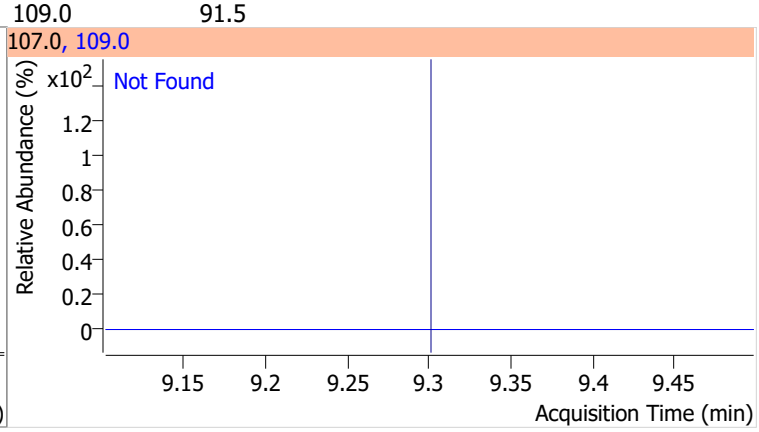
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



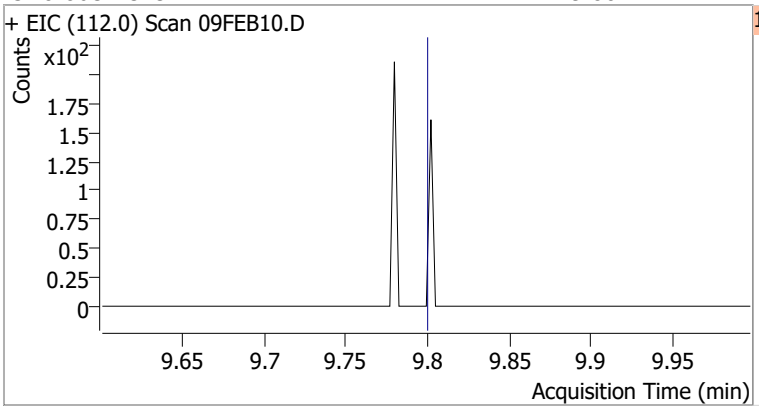


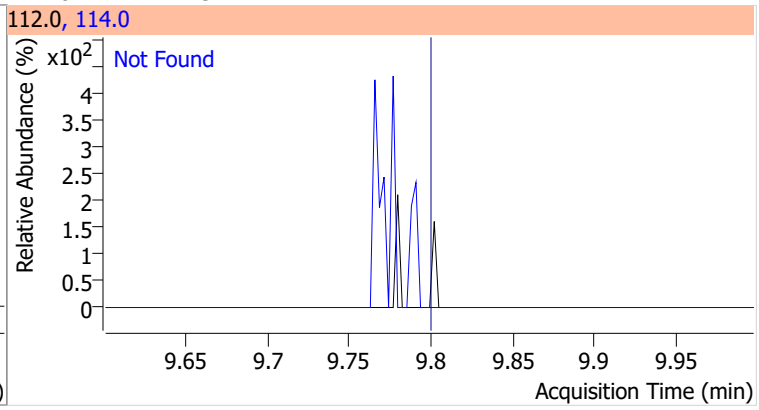
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



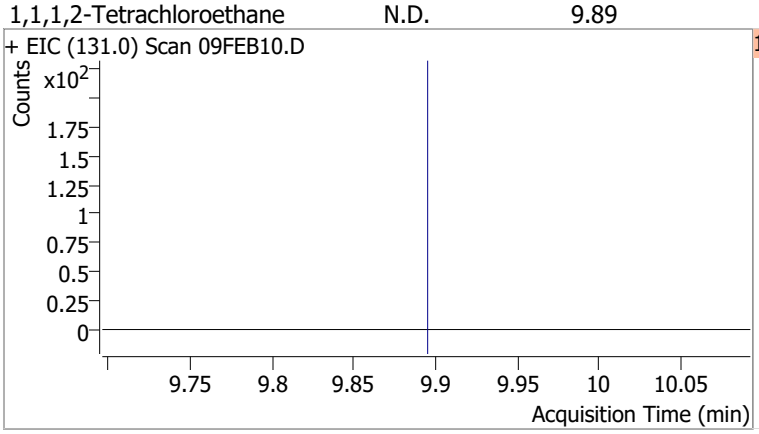


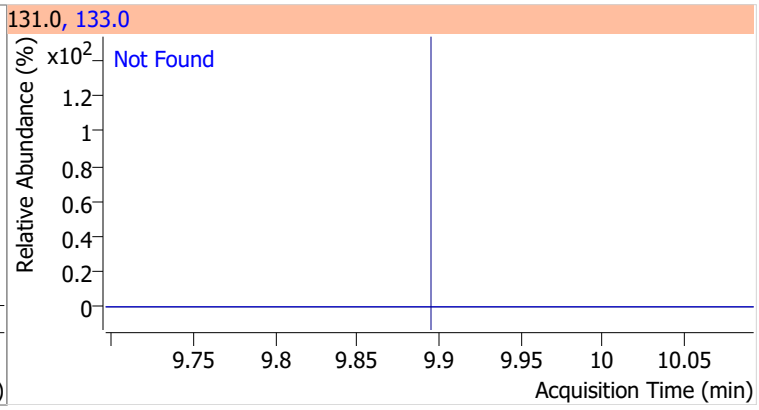
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



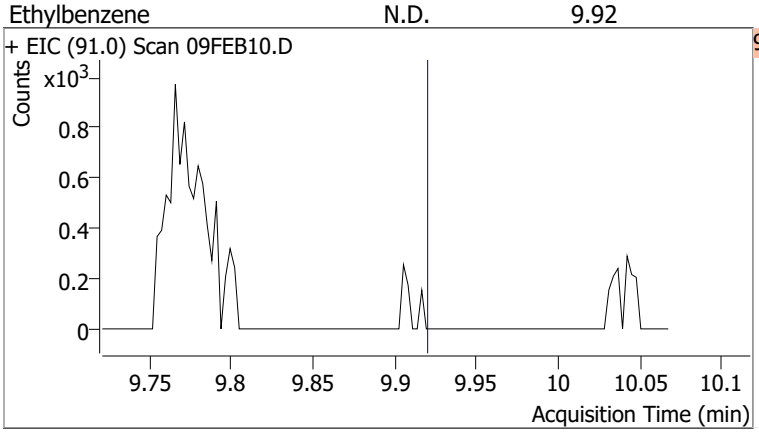


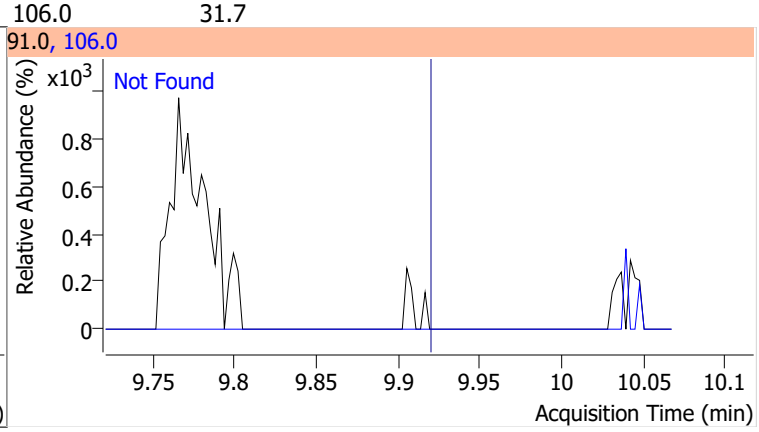
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



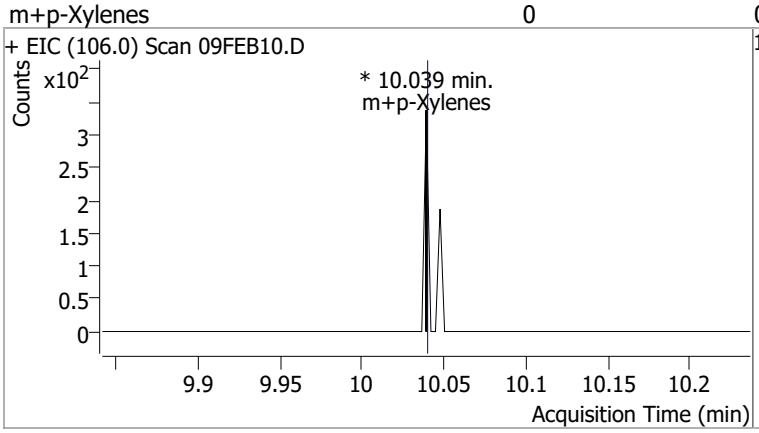


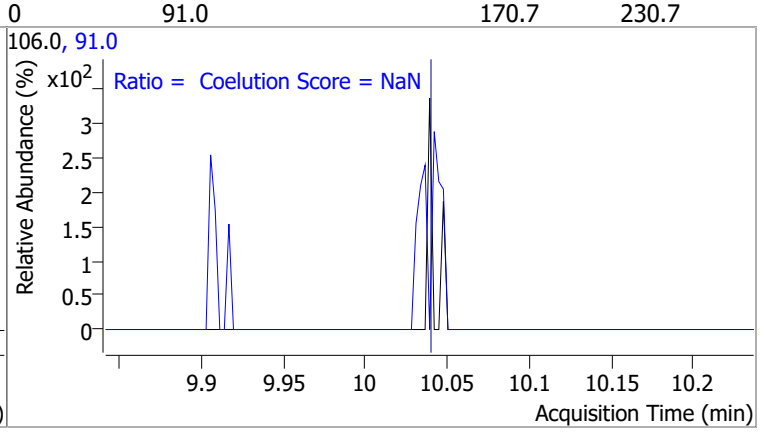
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



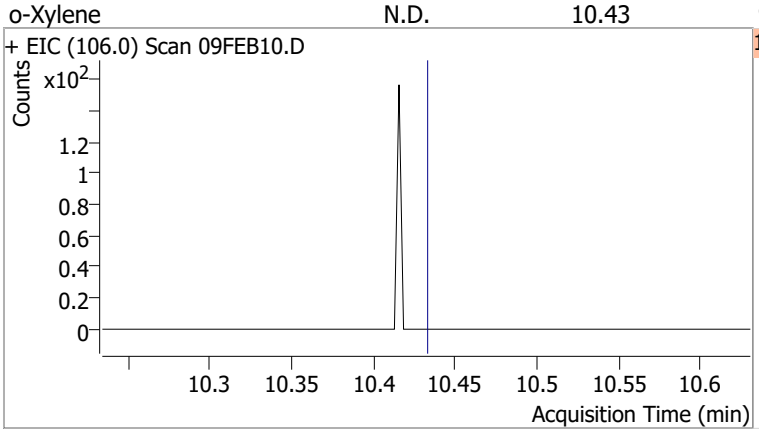


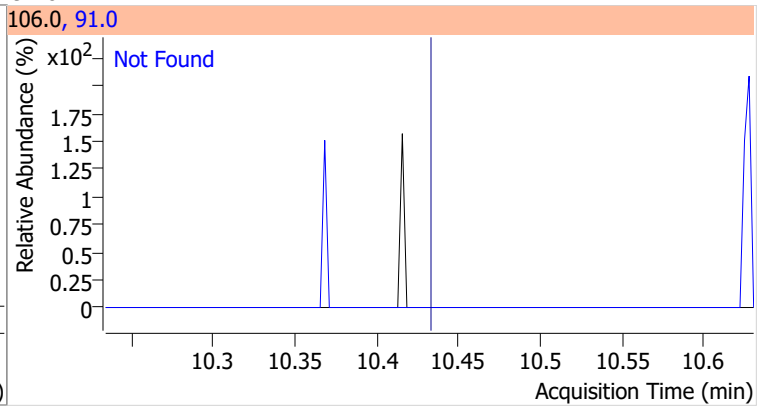
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes		0		0	91.0		170.7	230.7



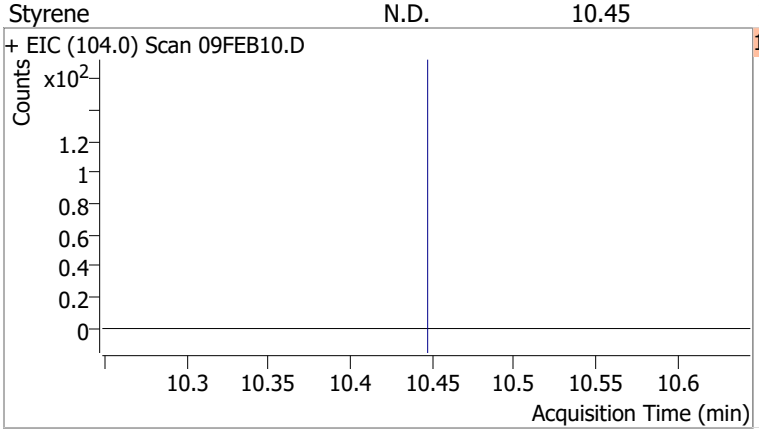


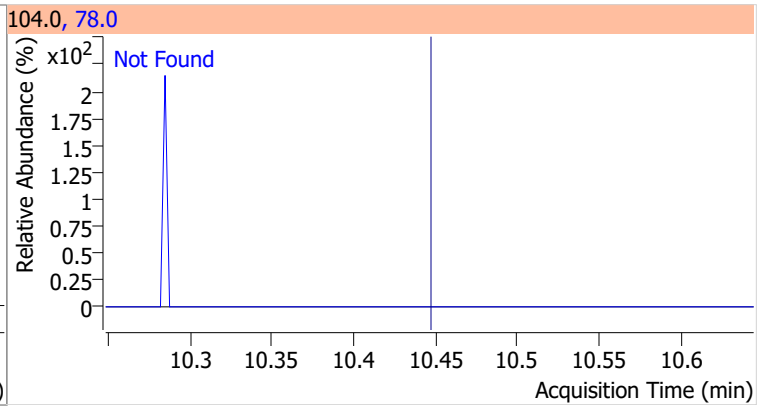
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



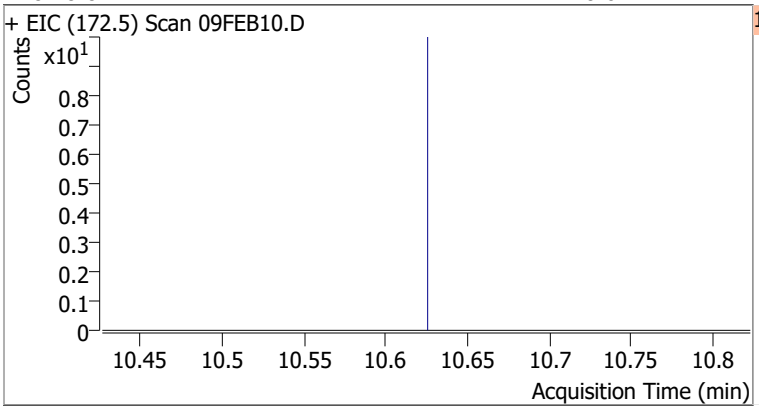


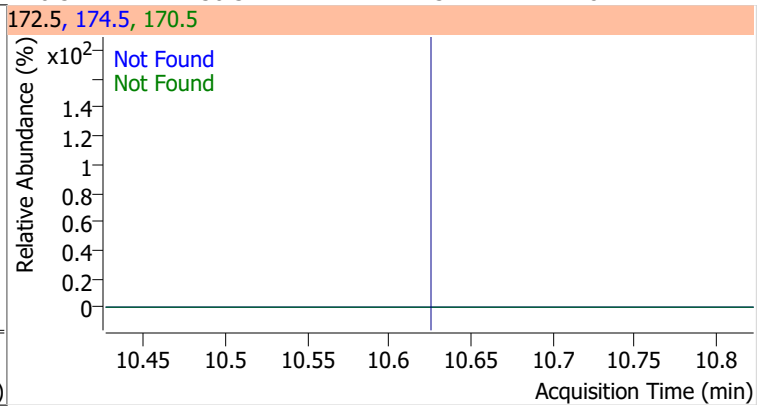
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



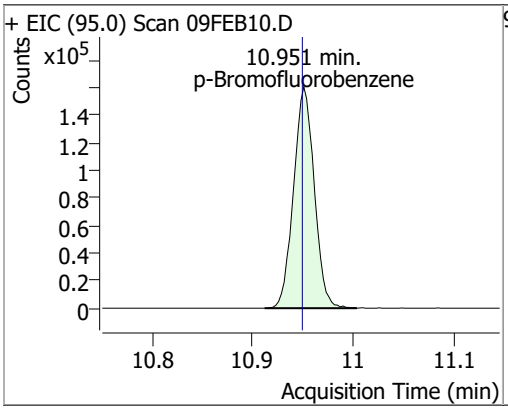


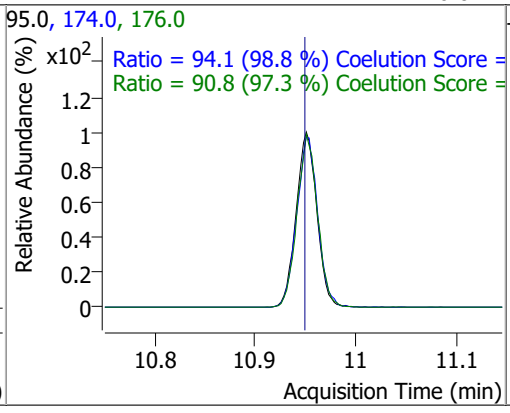
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

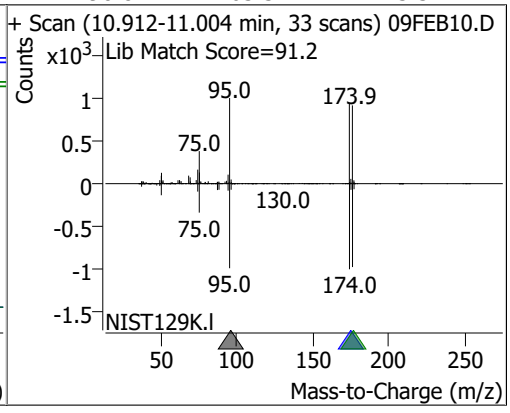




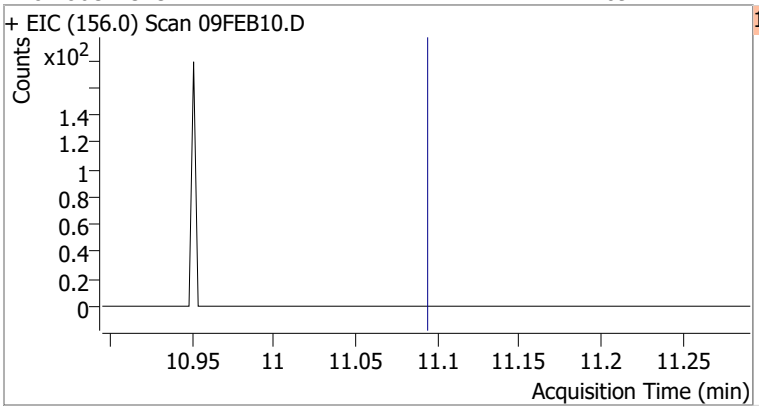
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	268.0395	10.95	0.00	230373	174.0	94.1	65.3	125.3
					176.0	90.8	63.3	123.3

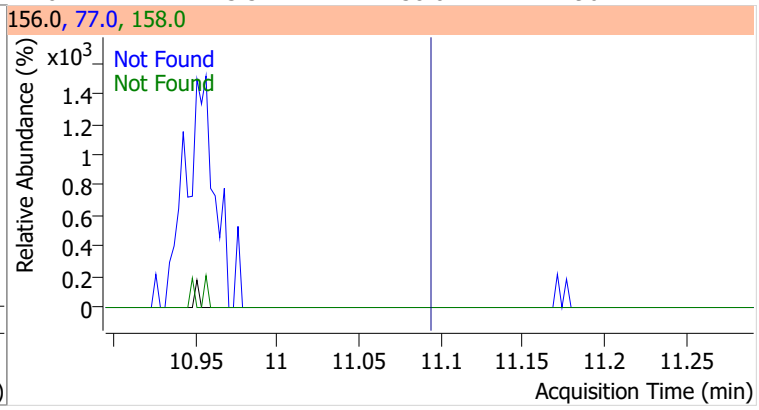




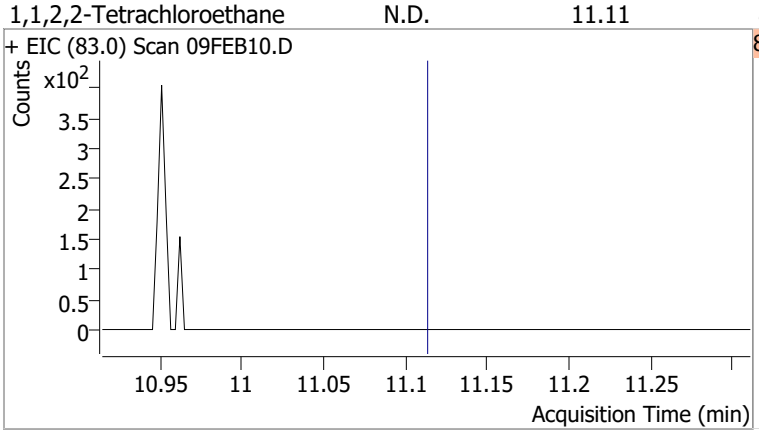


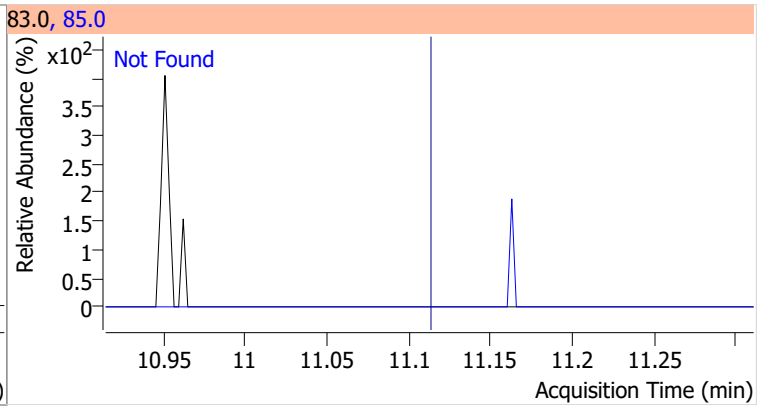
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



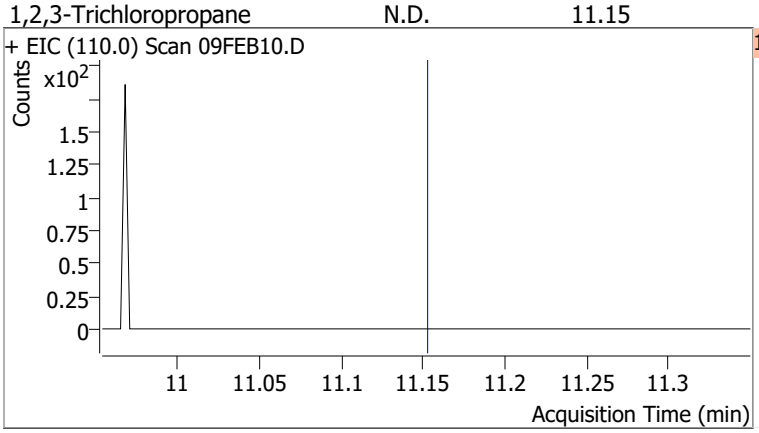


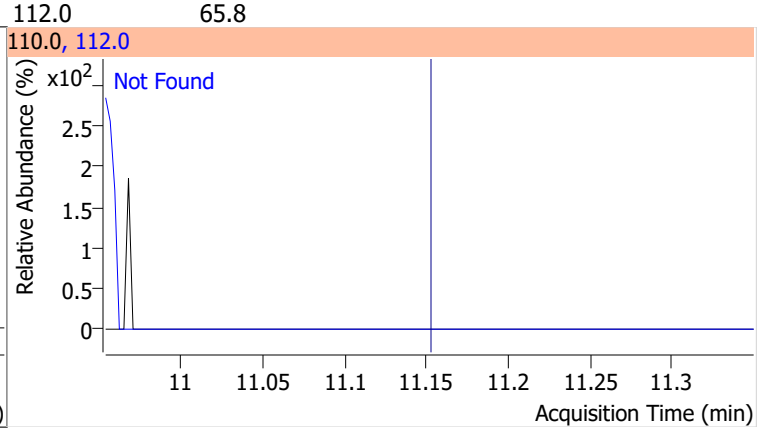
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



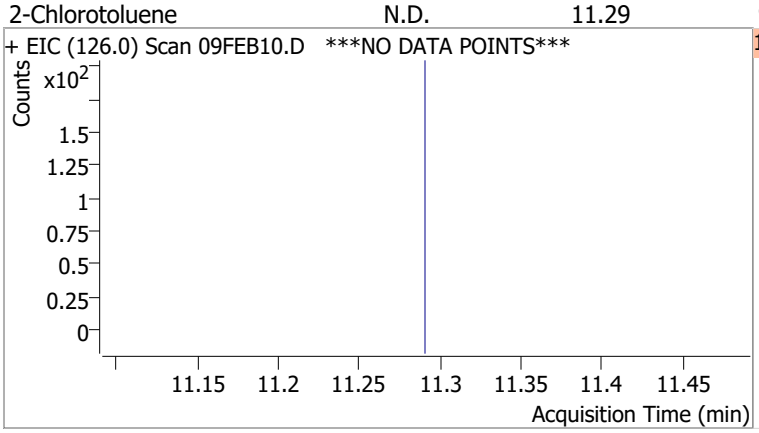


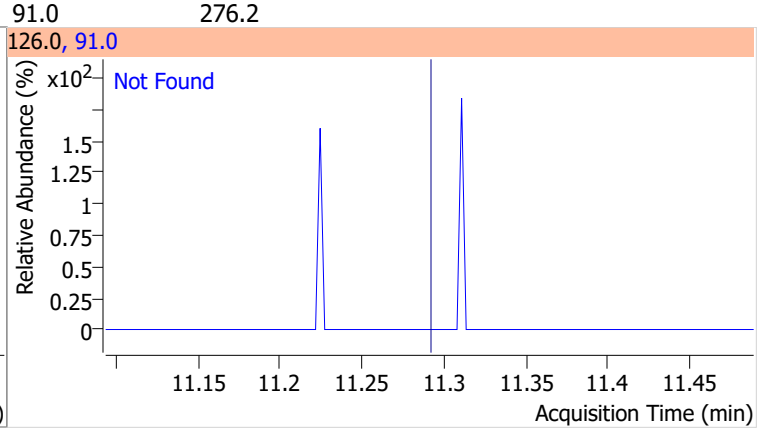
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



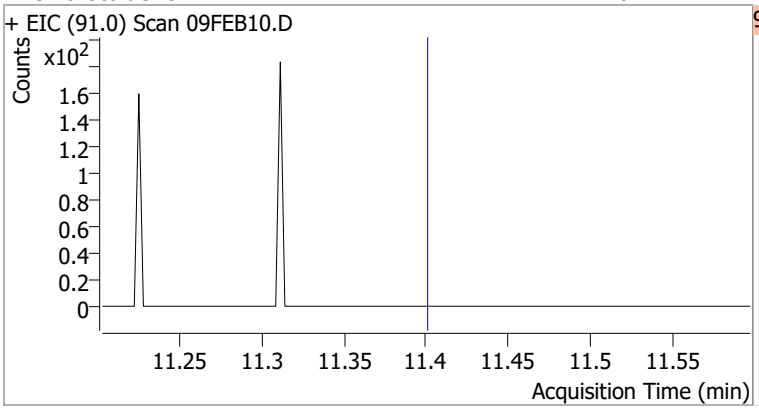


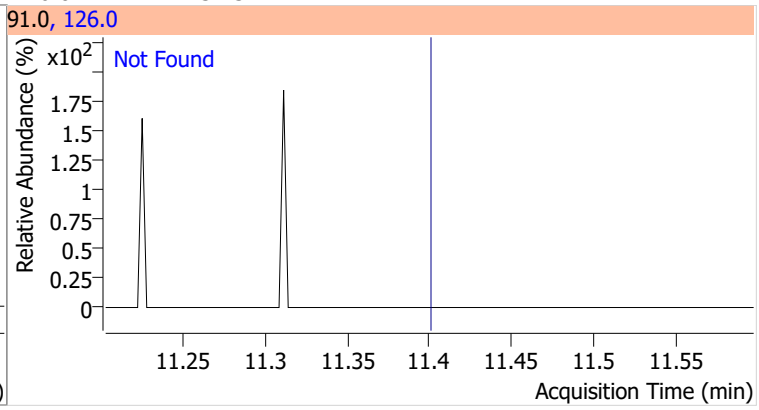
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



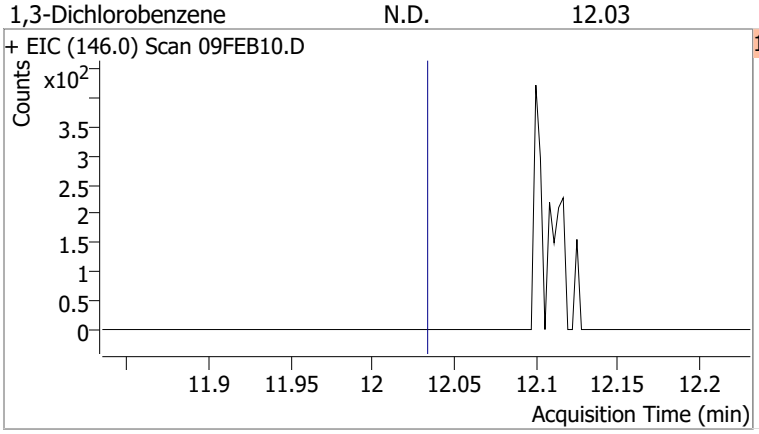


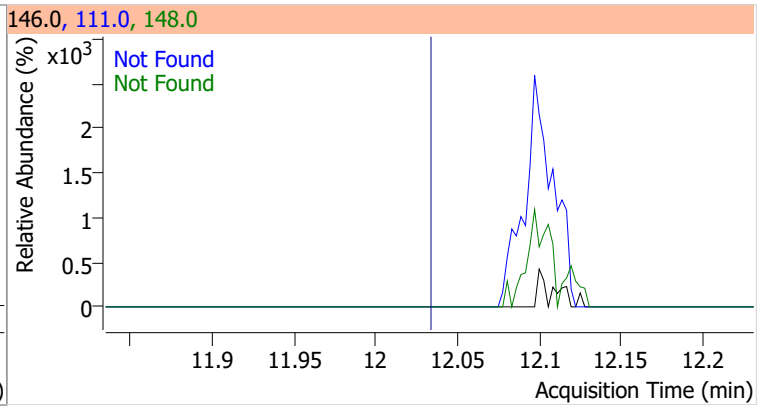
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



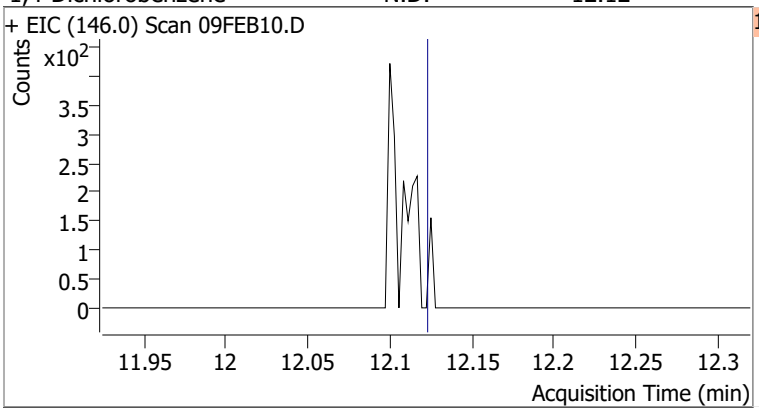


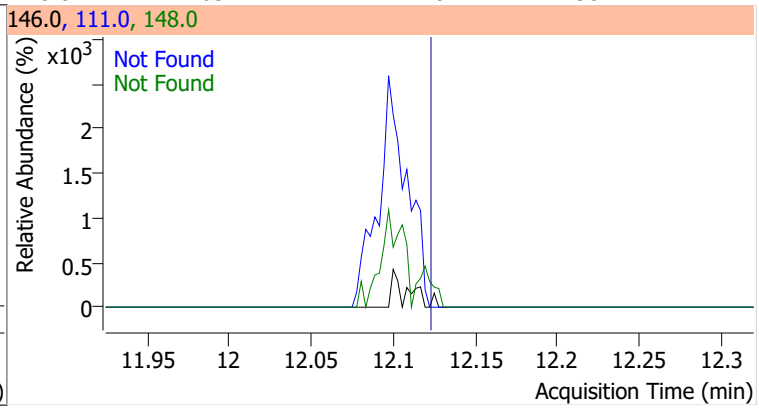
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



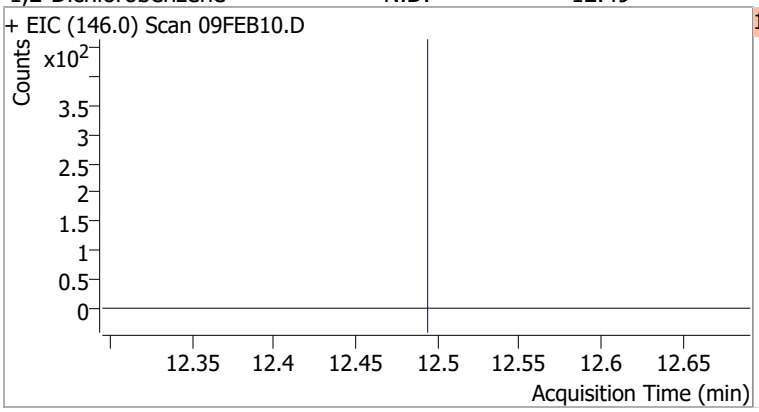


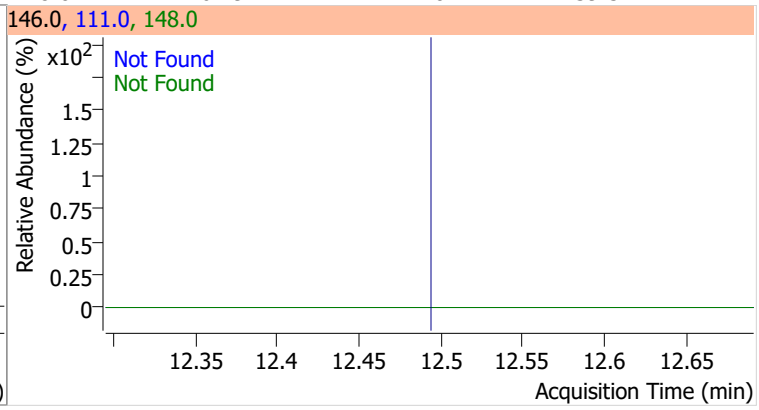
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB11.D	Operator	MSC
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Sample Name	B22020415-017F	Instrument	VOA5975C
Vial	11	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
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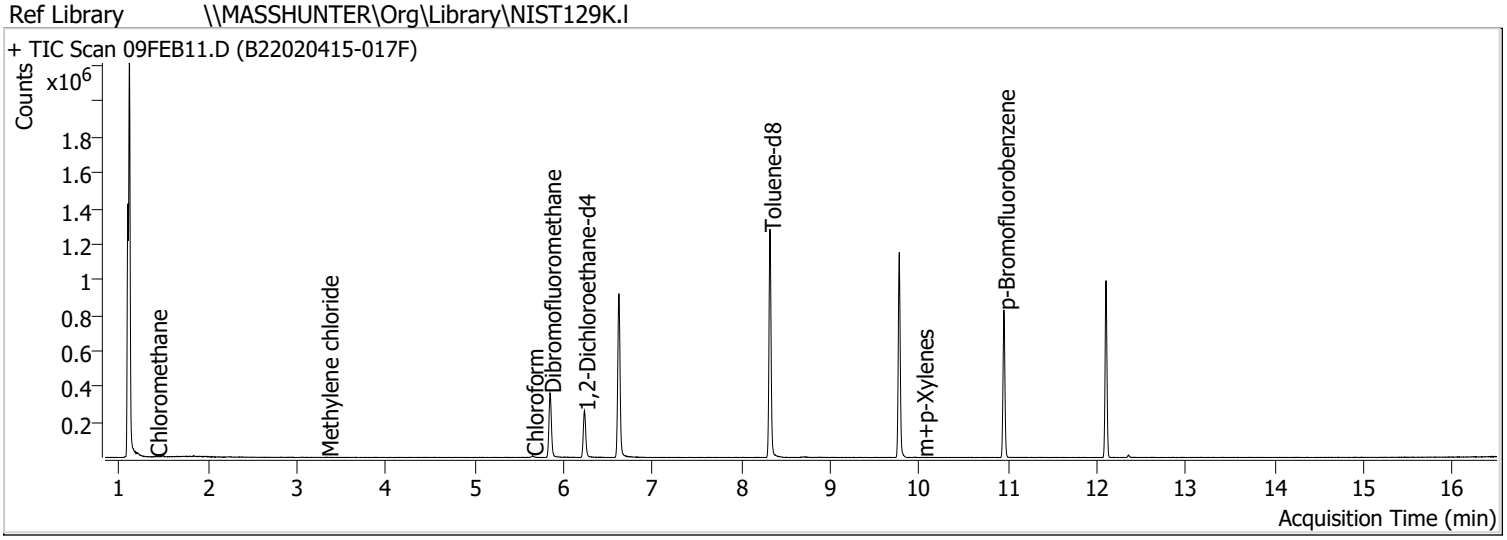
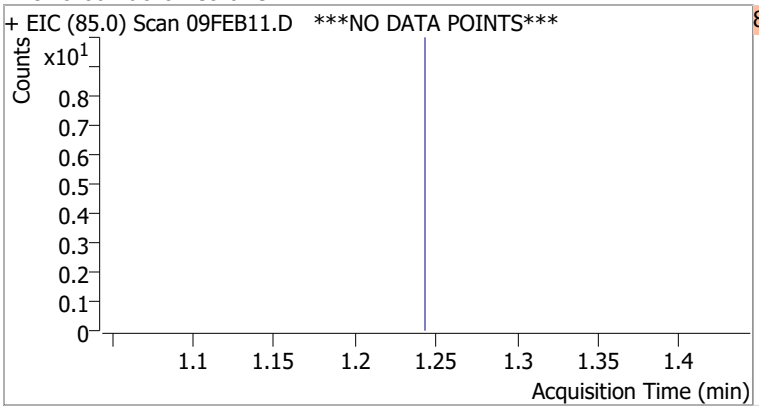


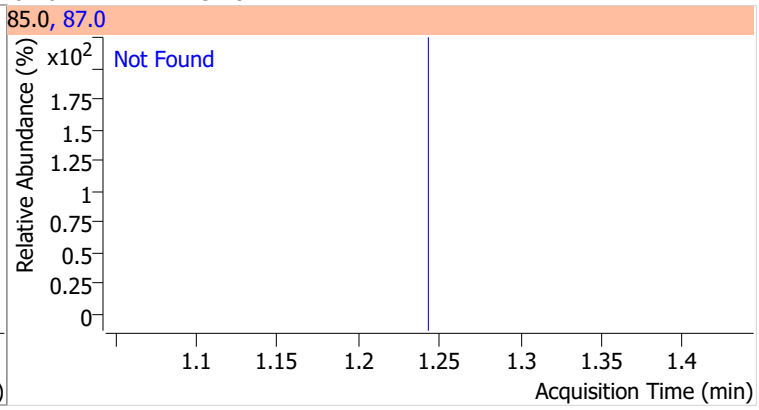
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	776580	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	305113	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	233294	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.845	113.0	209205	278.1310	ng		-0.006
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 111.25%			
S 1,2-Dichloroethane-d4	6.233	67.0	92890	285.8834	ng		0.003
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 114.35%			
S Toluene-d8	8.321	98.0	782895	263.0103	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 105.20%			
S p-Bromofluorobenzene	10.951	95.0	228347	265.0957	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 106.04%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	1.414	50.0	1993	1.6209	ng	m	95
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.341	49.0	401	0.3531	ng	m	81
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	5.647	83.0	7069	4.6900	ng		95

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	0.000		0	N.D.			
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	10.036	106.0	77	1.8384	ng	m	81
T o-Xylene	0.000		0	N.D.			
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

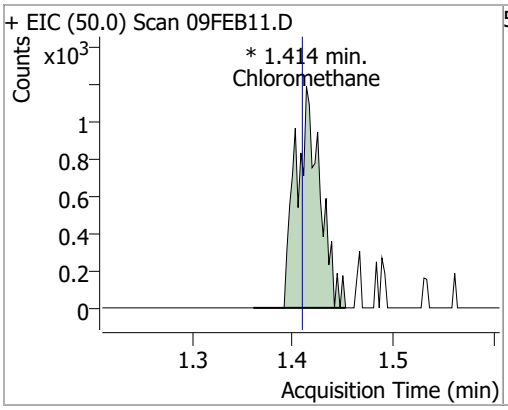
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

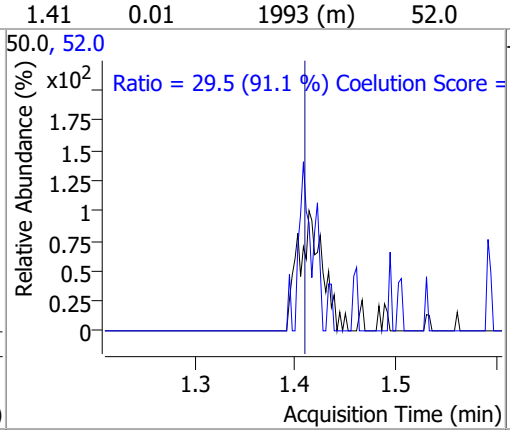
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8

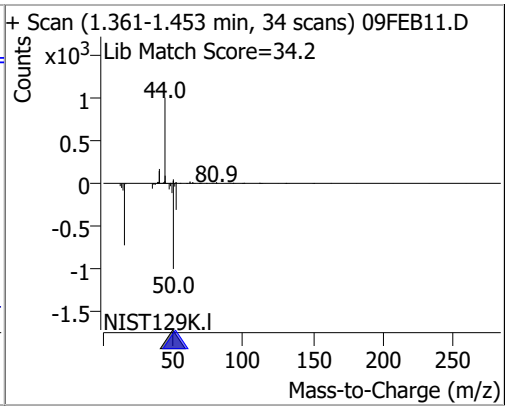




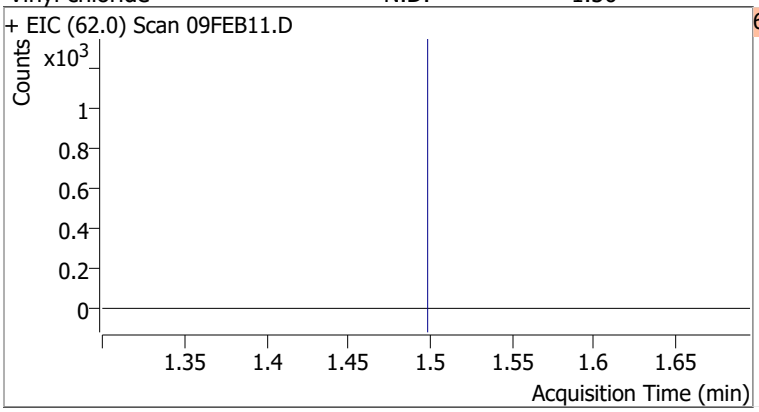
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	1.6209	1.41	0.01	1993 (m)	52.0	29.5	2.4	62.4

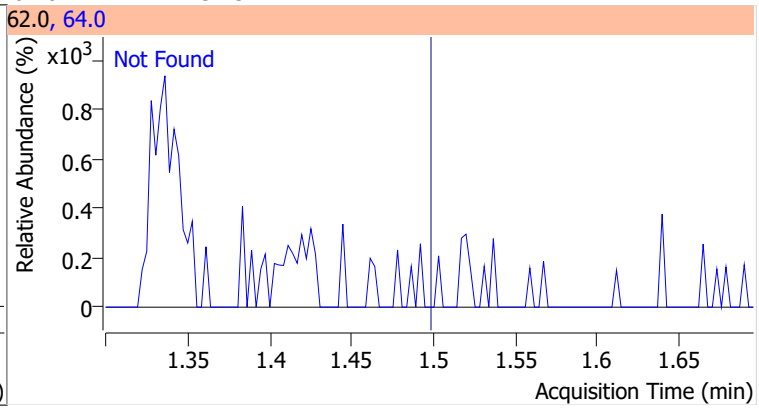




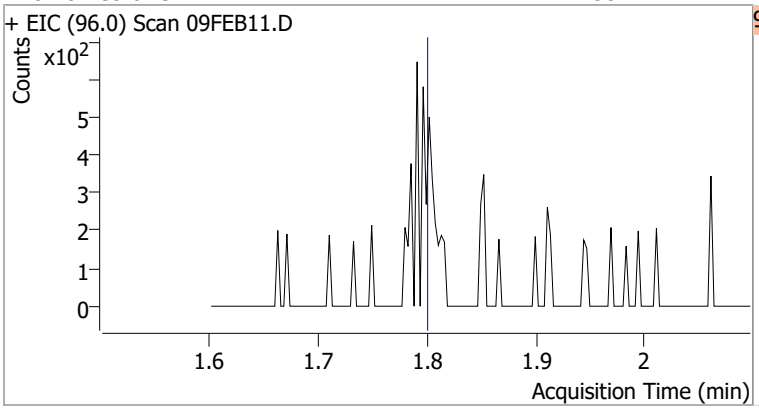


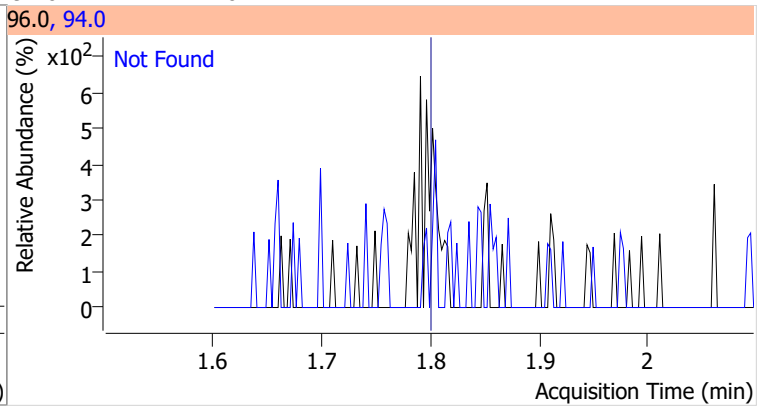
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



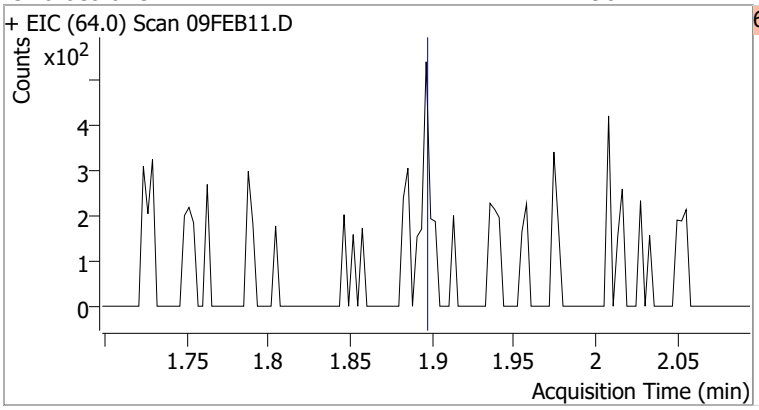


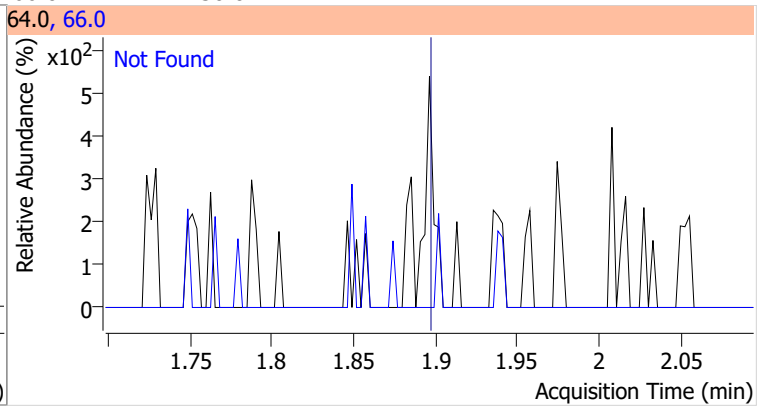
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



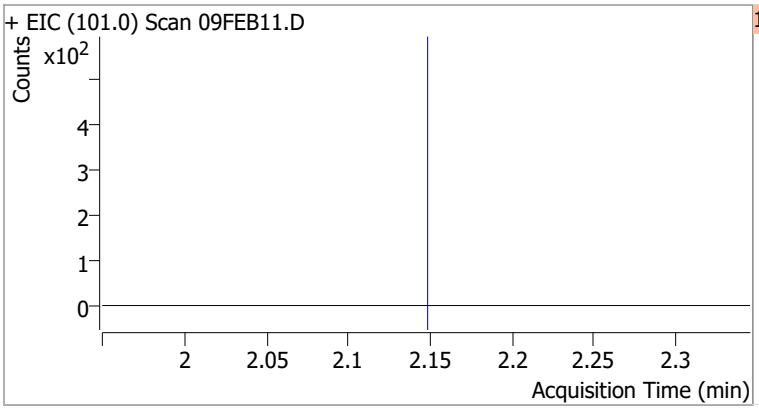


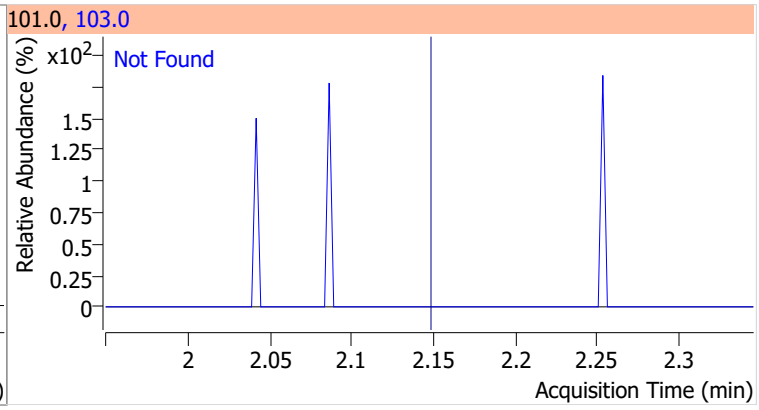
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



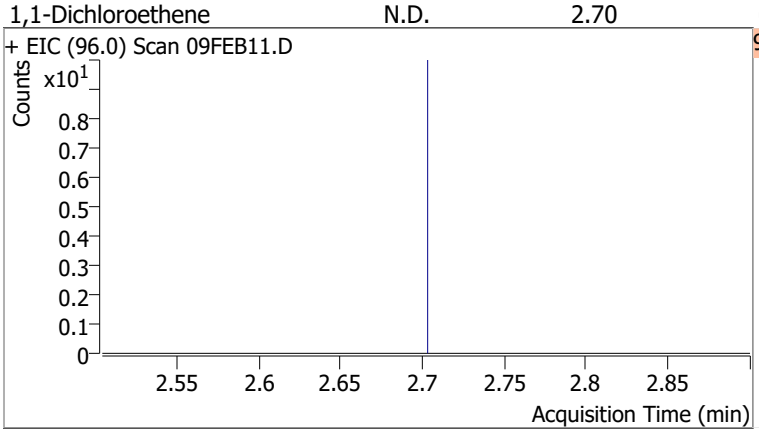


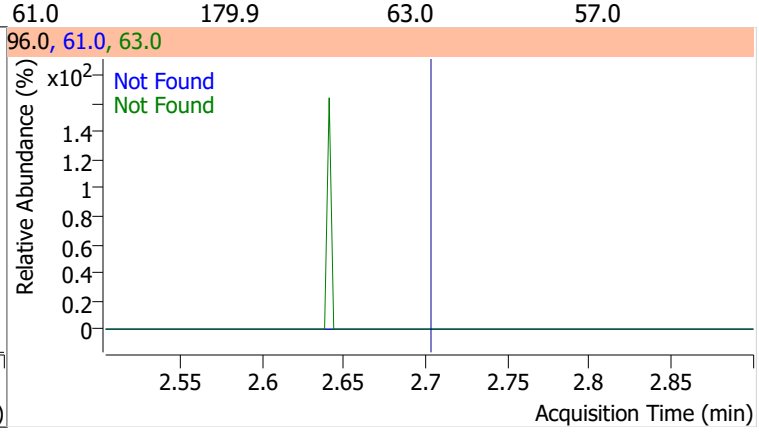
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



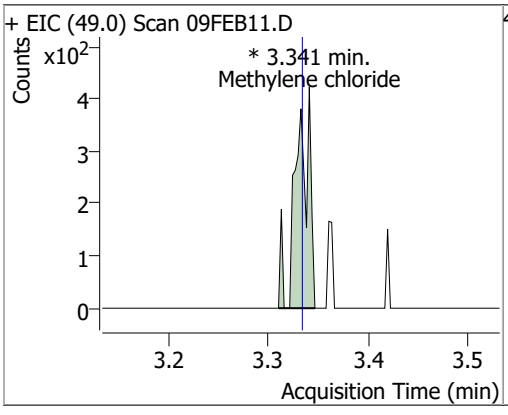


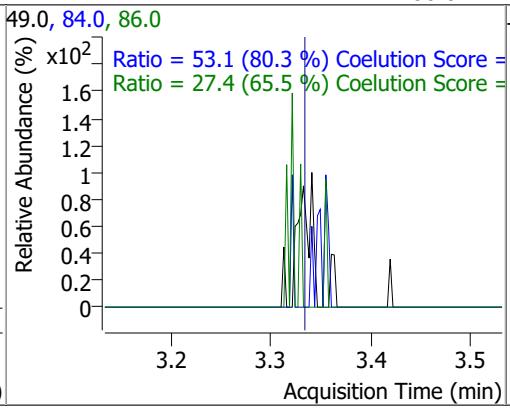
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

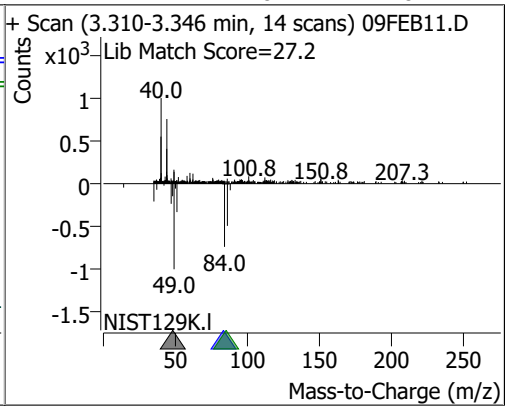




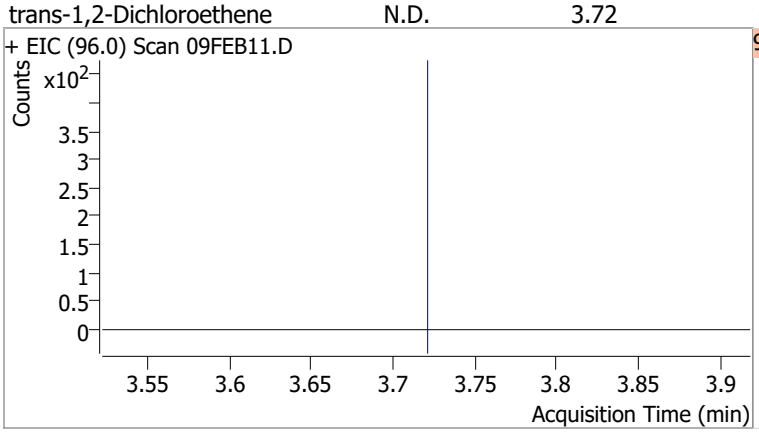
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	0.3531	3.34	0.01	401 (m)	84.0	53.1	36.1	96.1
					86.0	27.4	11.8	71.8

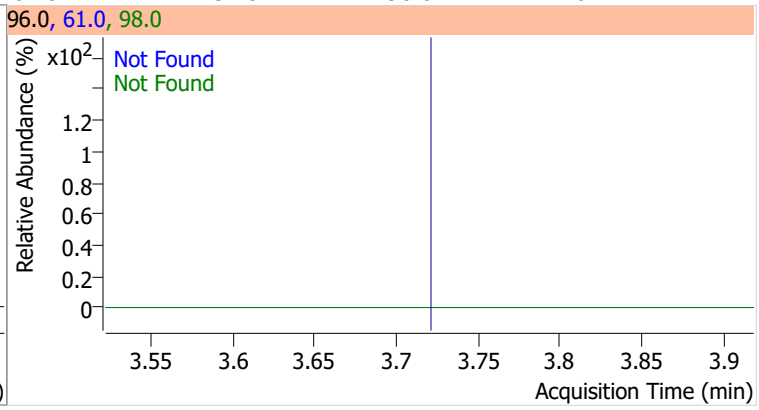




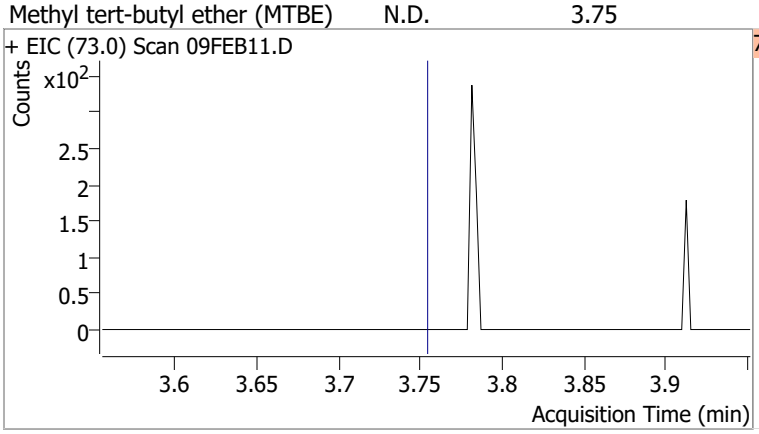


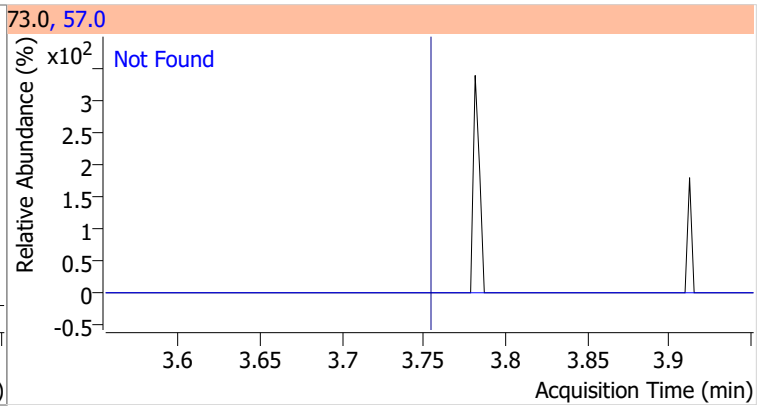
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



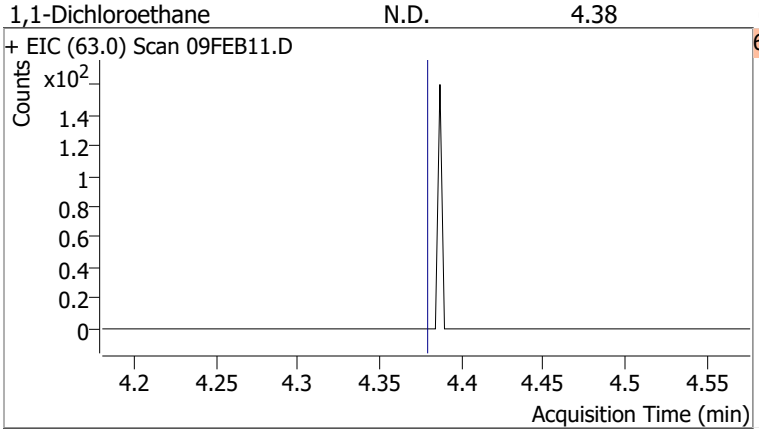


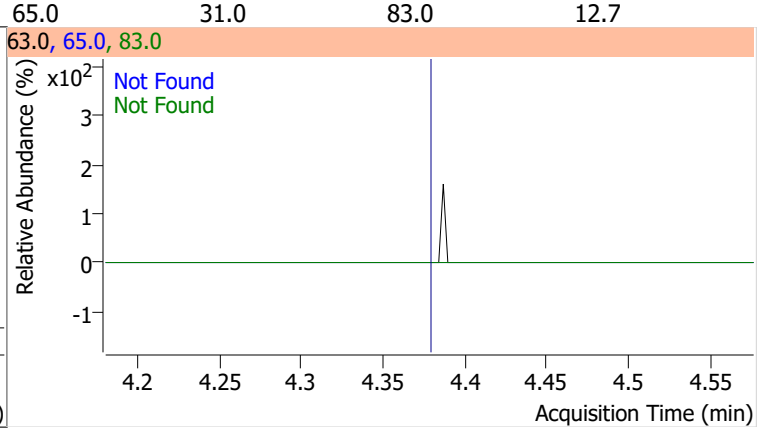
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



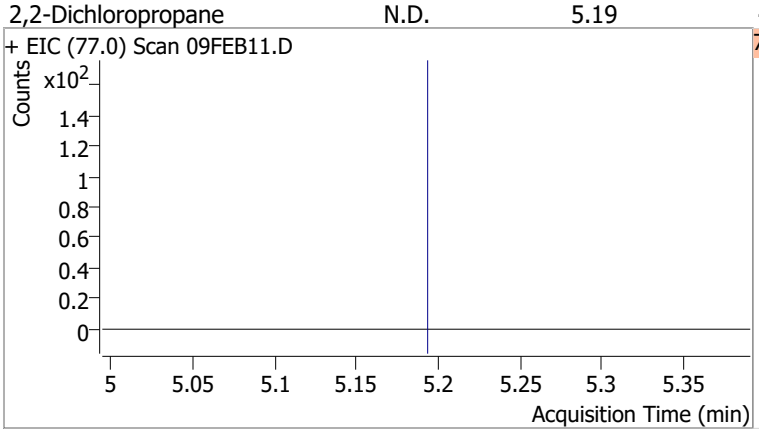


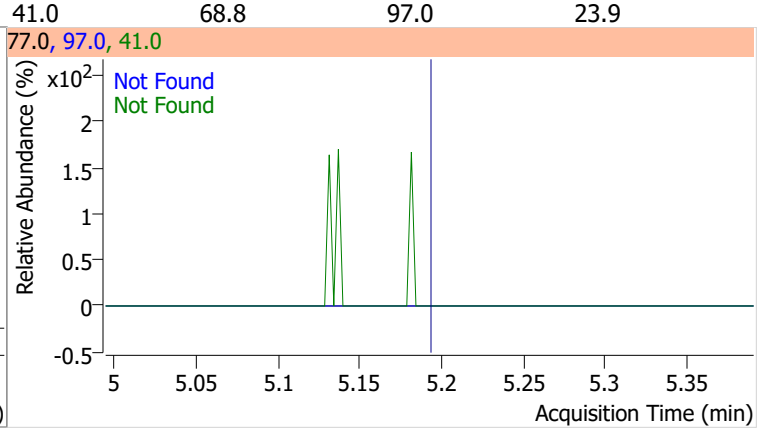
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



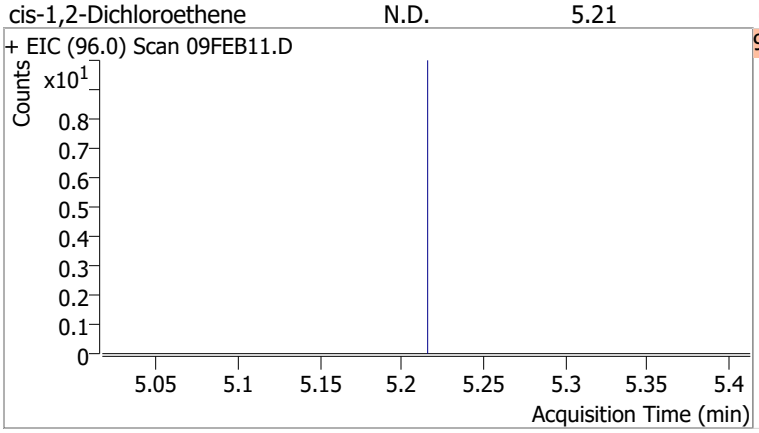


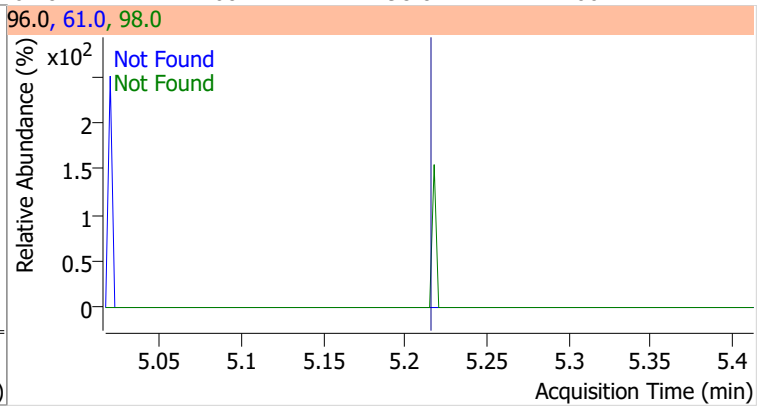
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



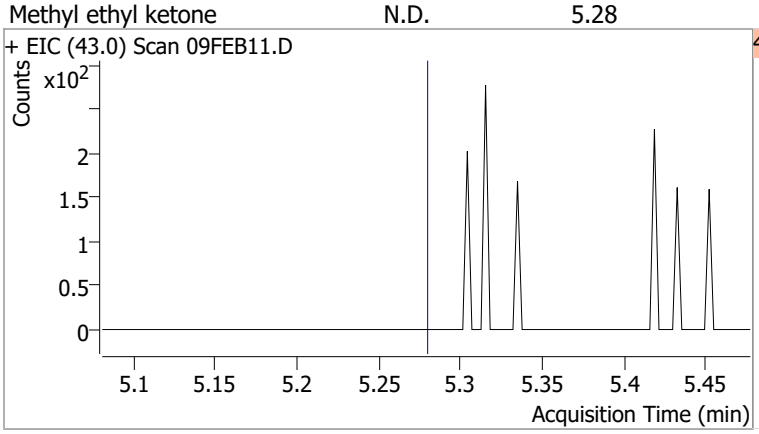


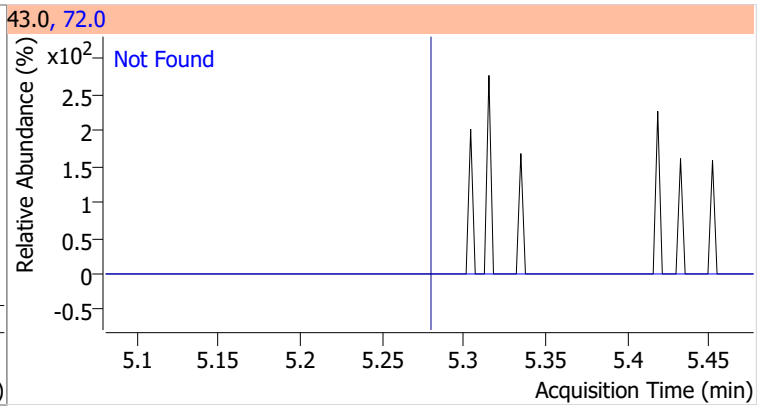
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



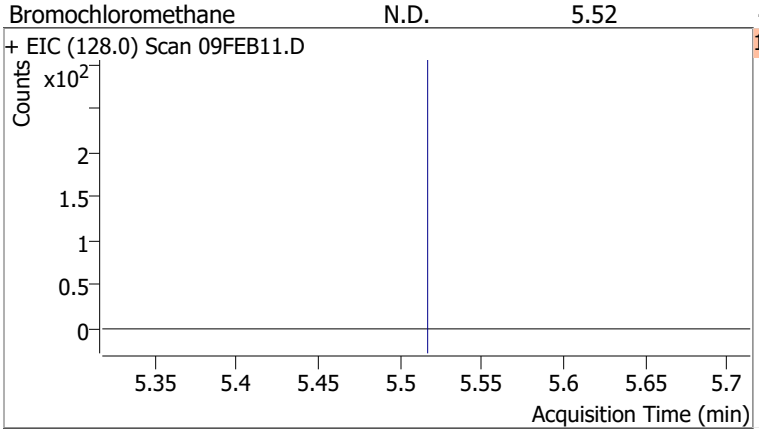


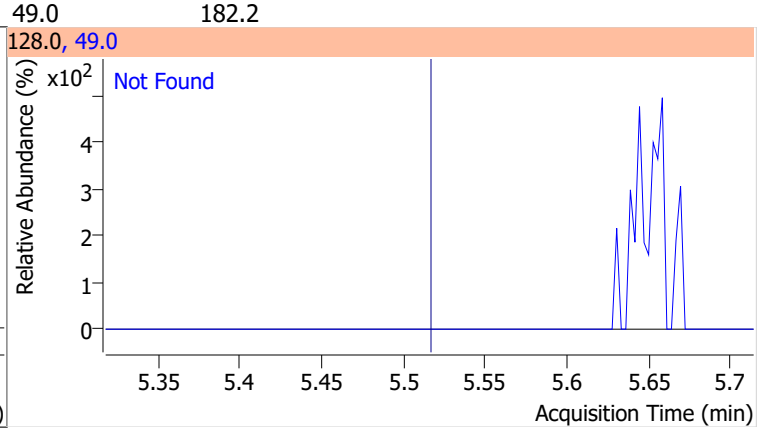
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



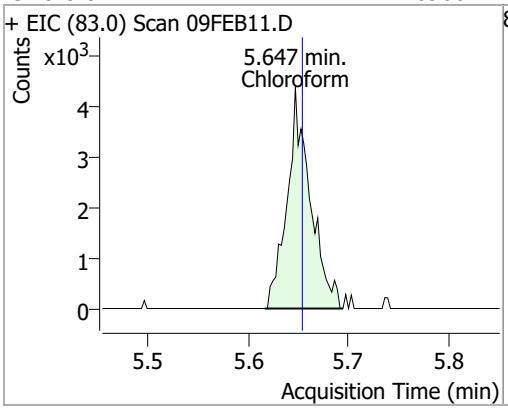


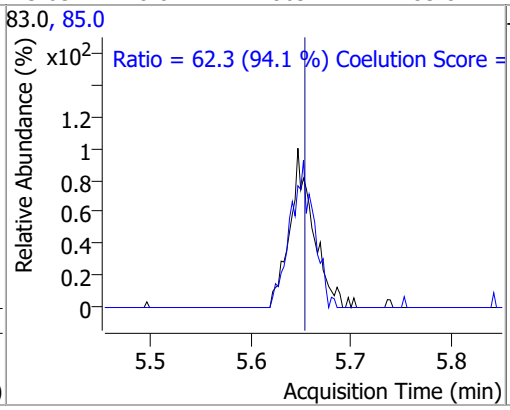
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2

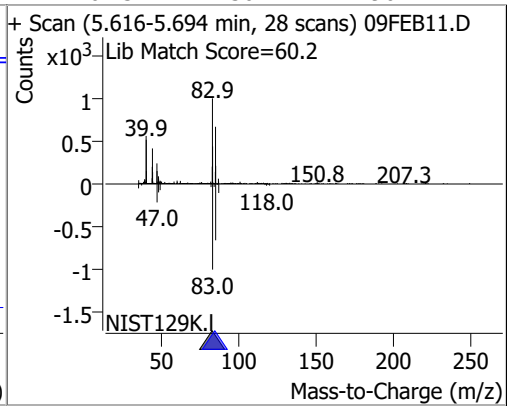




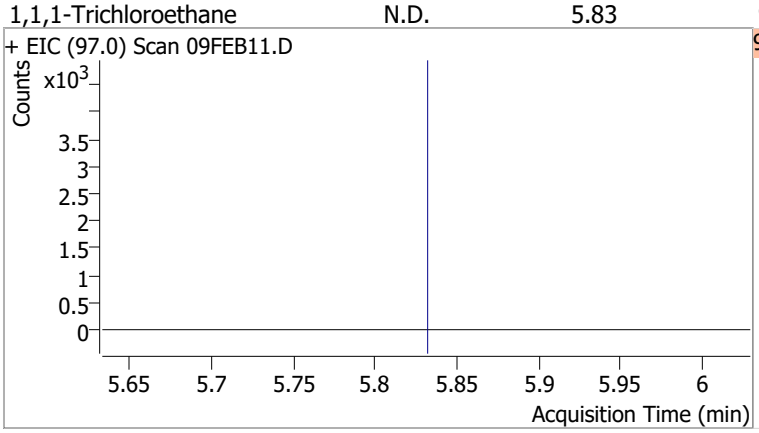
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	4.6900	5.65	-0.01	7069	85.0	62.3	36.2	96.2

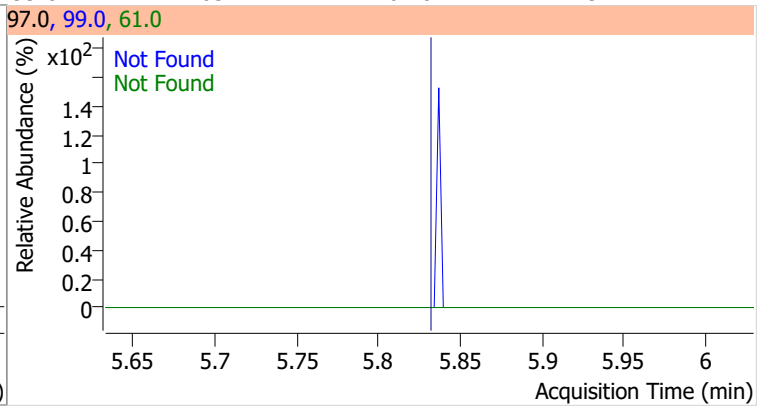




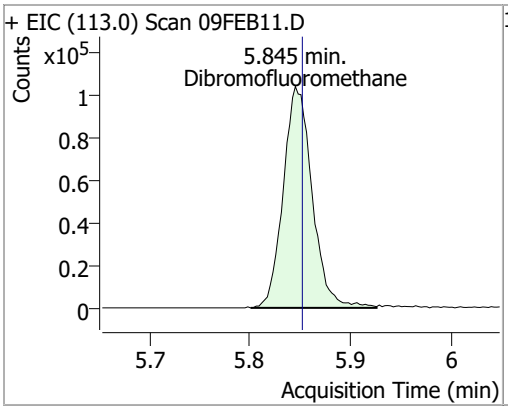


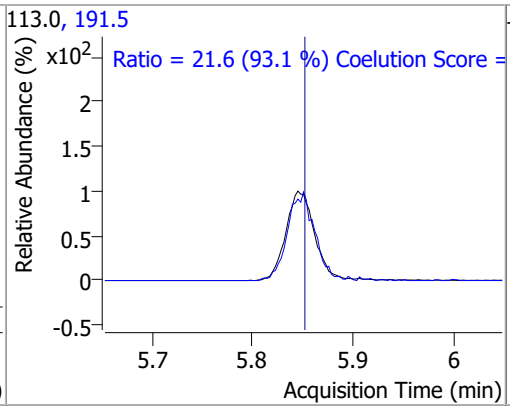
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

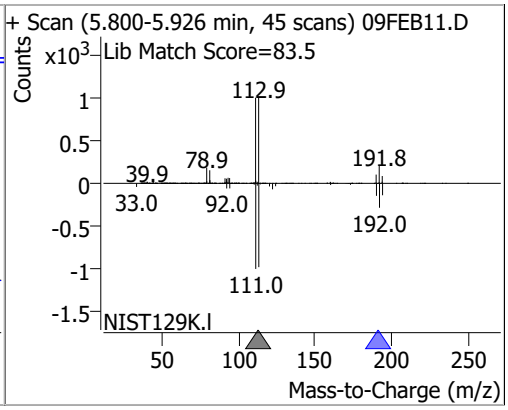




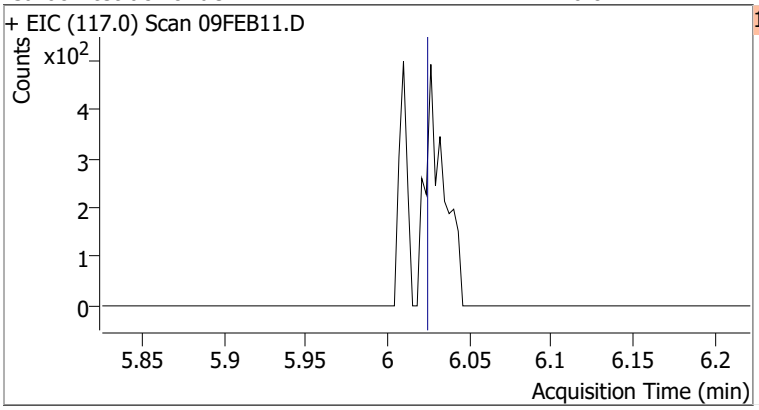
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	278.1310	5.85	-0.01	209205	191.5	21.6	0.0	53.2

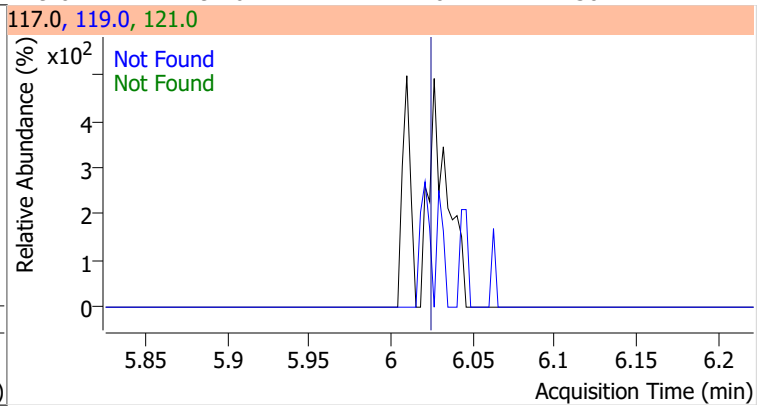




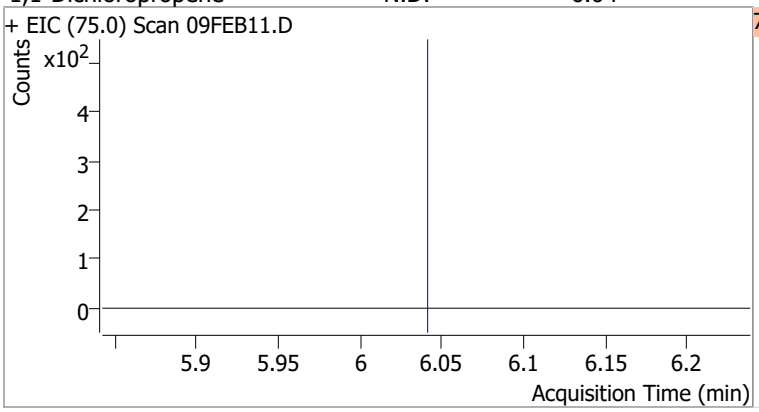


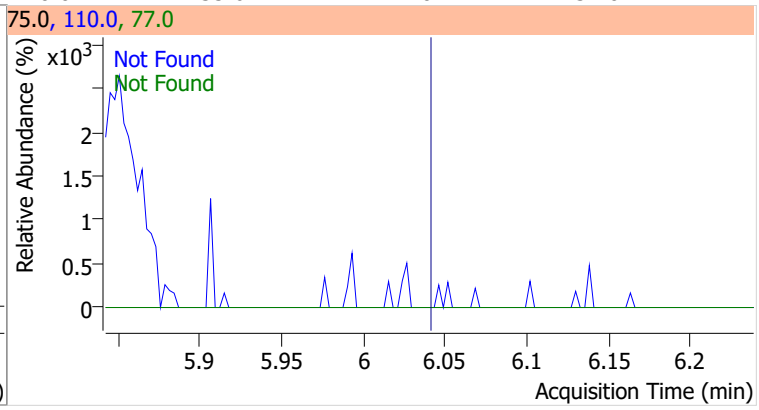
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7





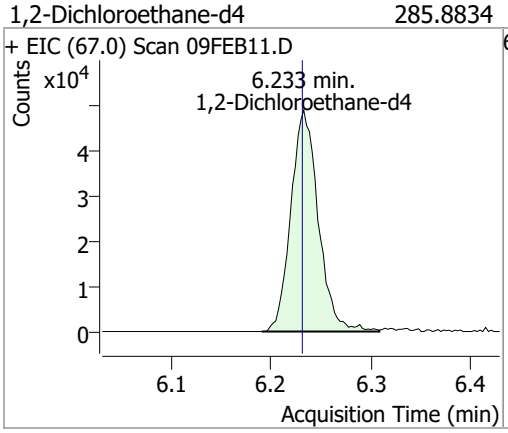
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

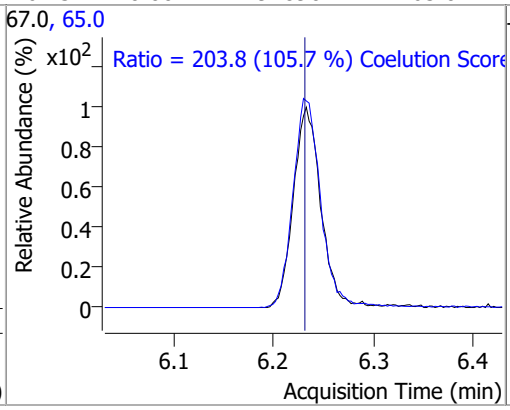


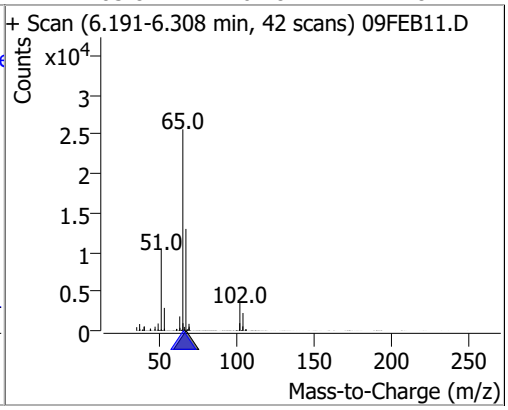


Quantitation Results Report (QT Reviewed)

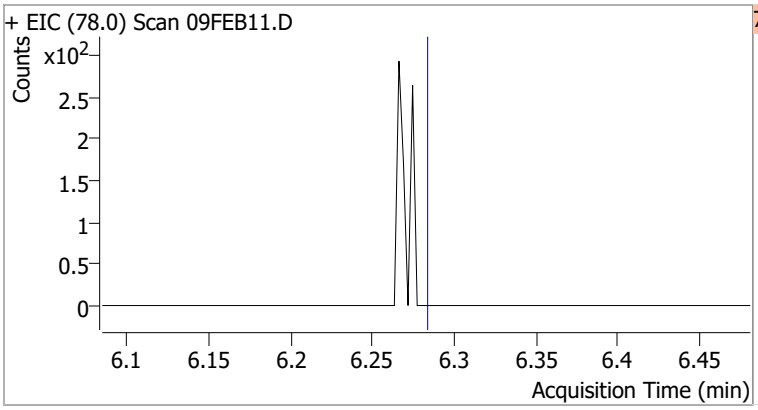
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	285.8834	6.23	0.00	92890	65.0	203.8	162.8	222.8

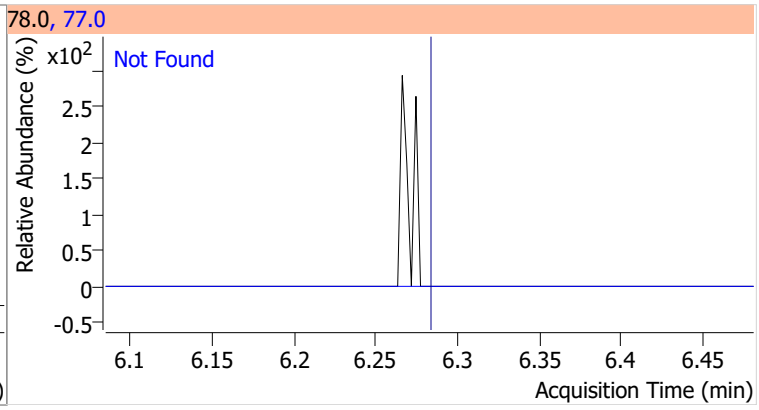




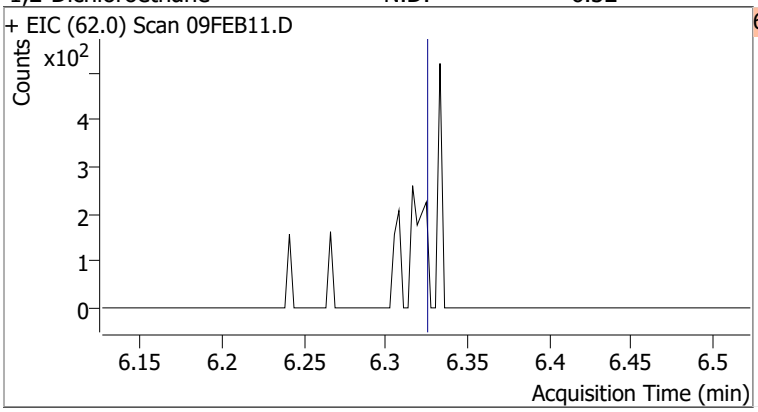


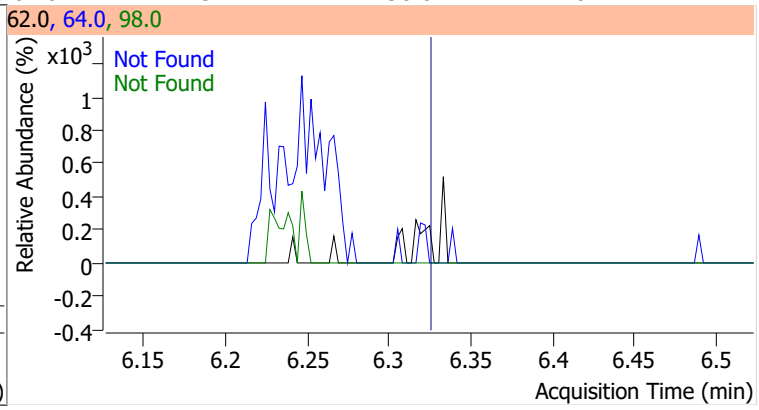
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



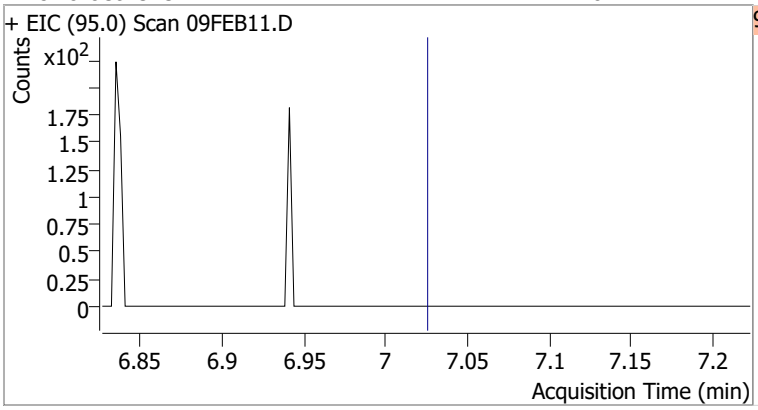


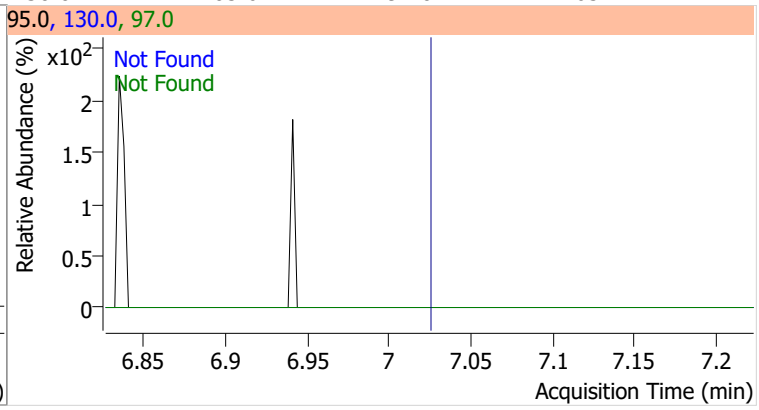
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



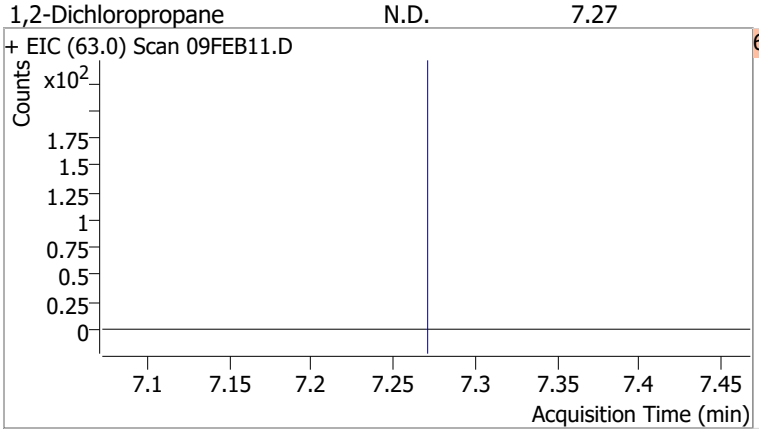


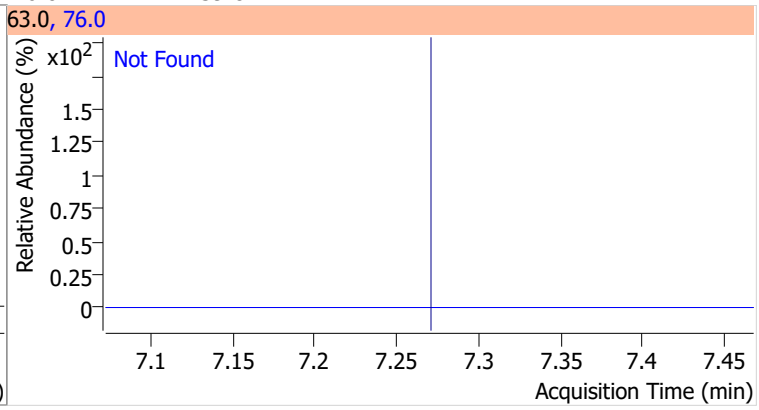
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



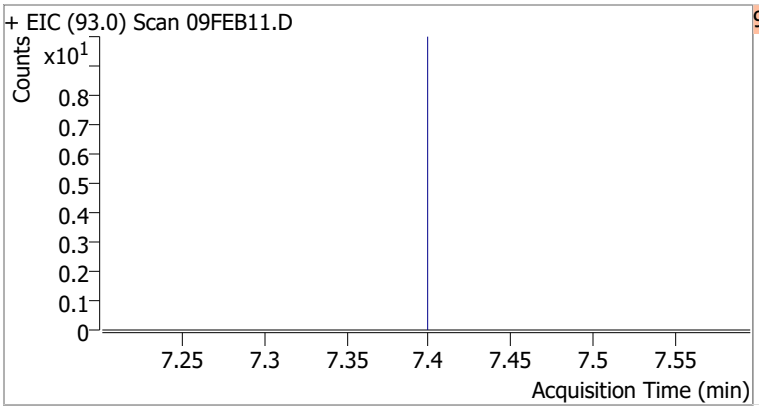


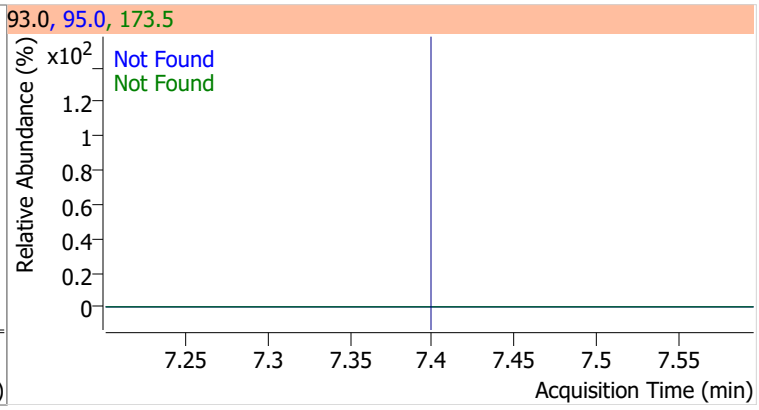
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



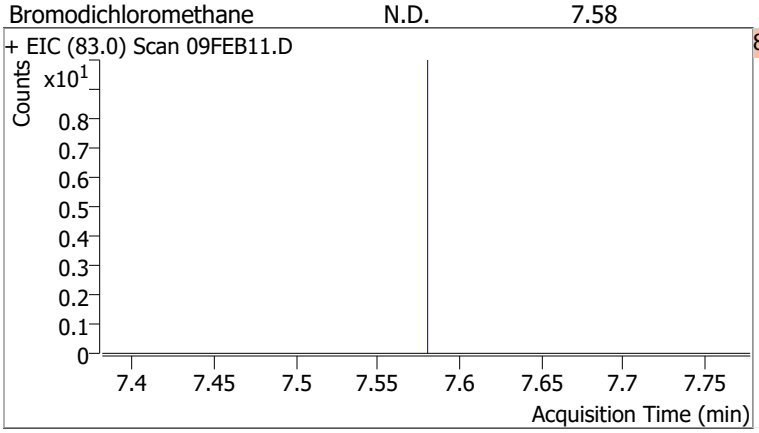


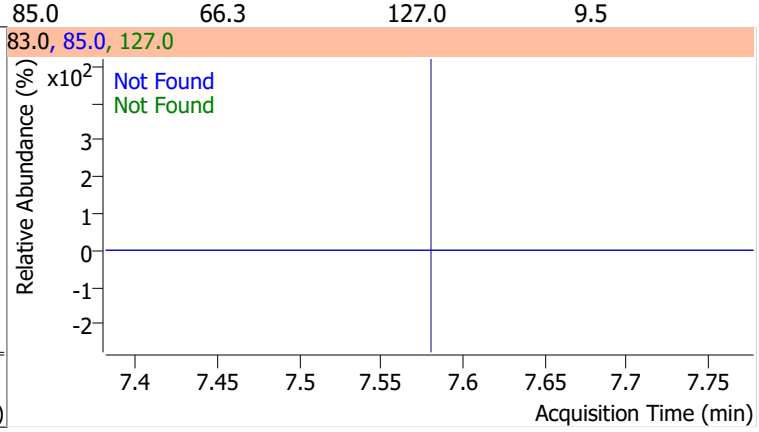
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



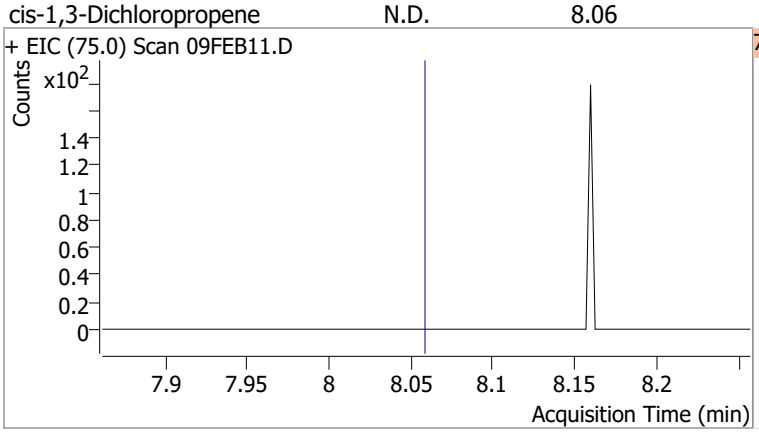


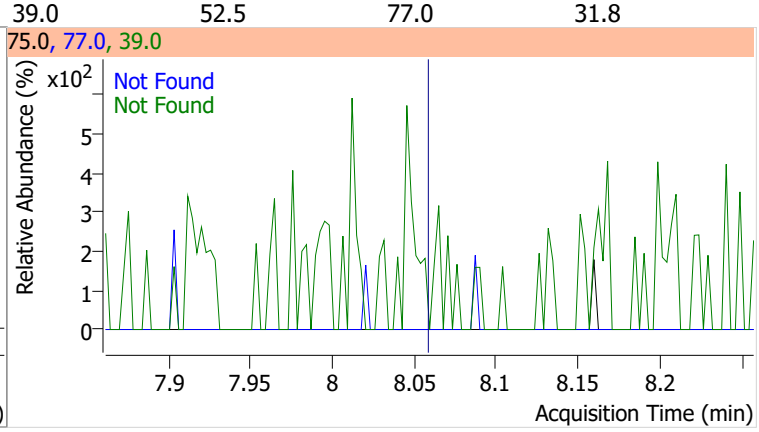
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5





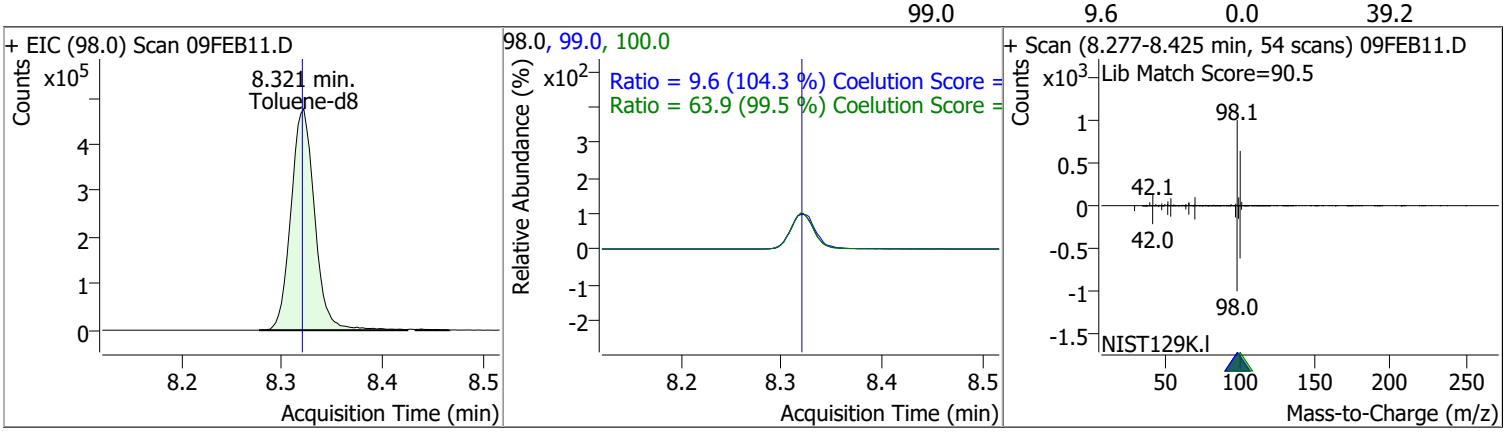
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8



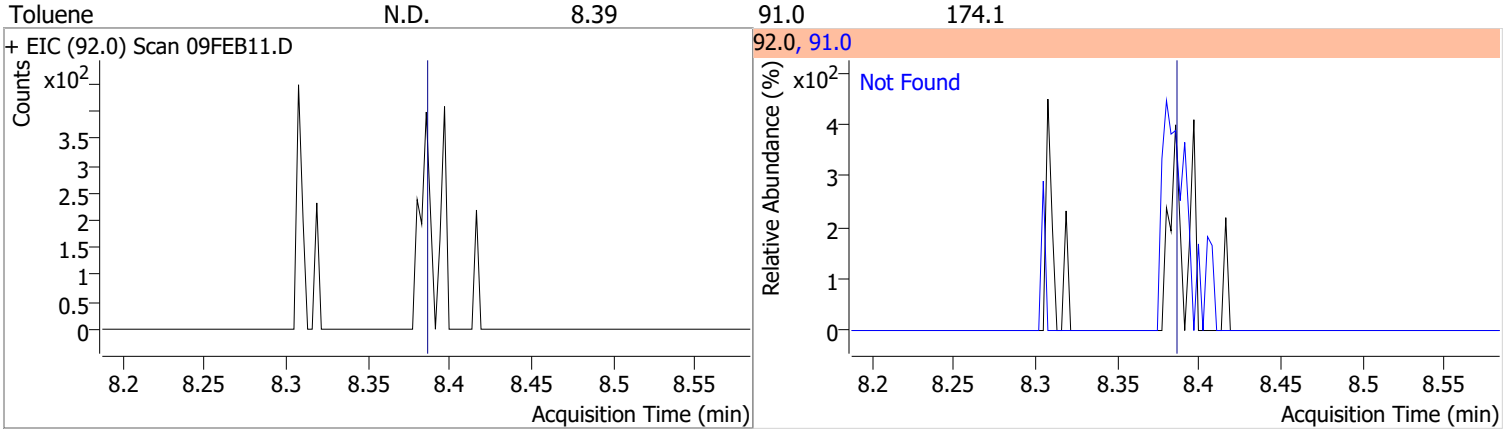


Quantitation Results Report (QT Reviewed)

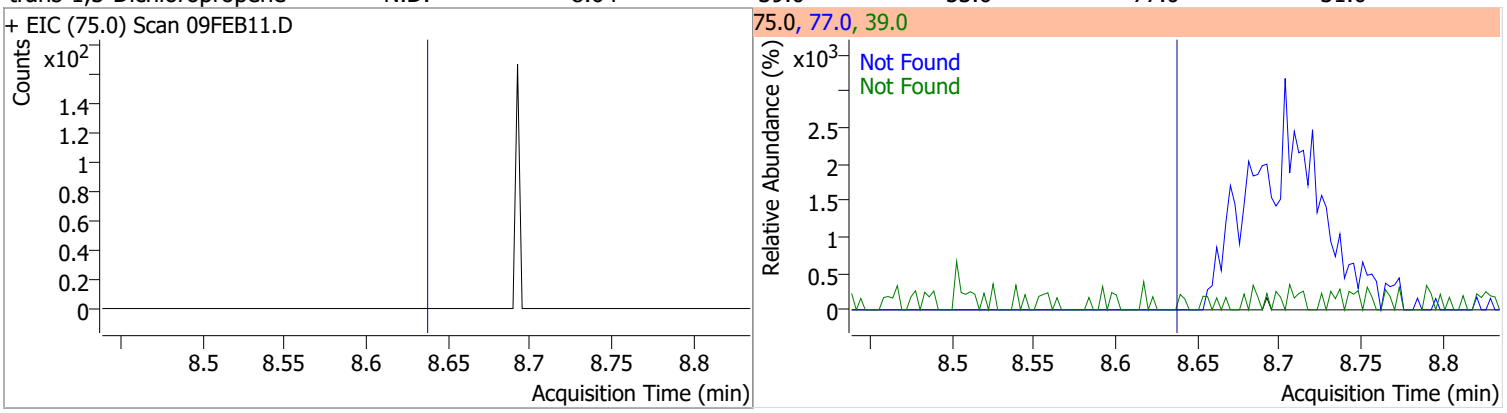
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	263.0103	8.32	0.00	782895	100.0	63.9	34.3	94.3
					99.0	9.6	0.0	39.2



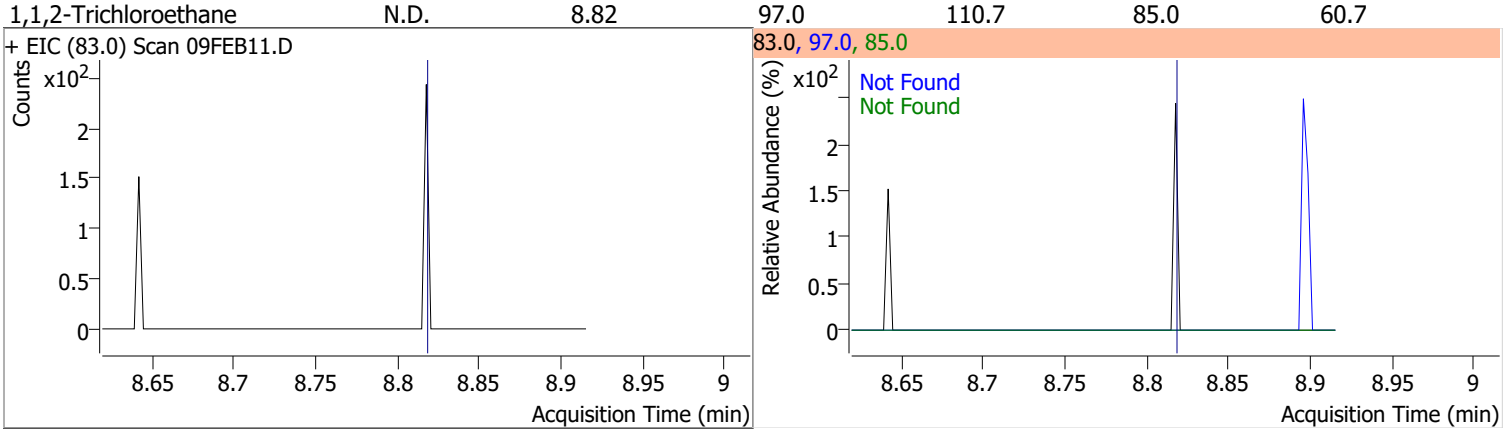
Compound	Conc.	Exp RT	QIon	Exp Ratio
Toluene	N.D.	8.39	91.0	174.1



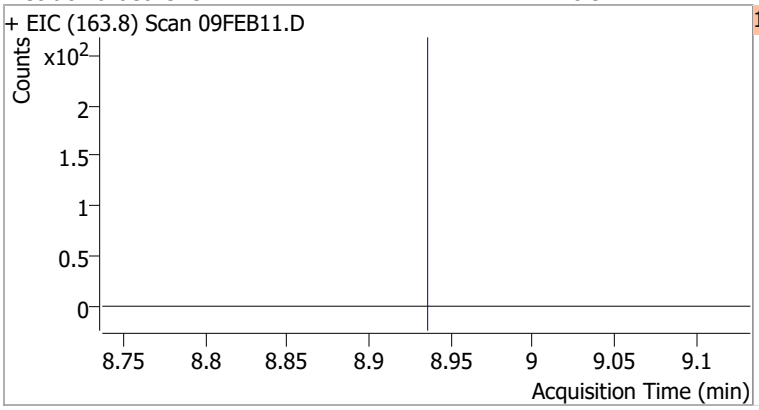
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0

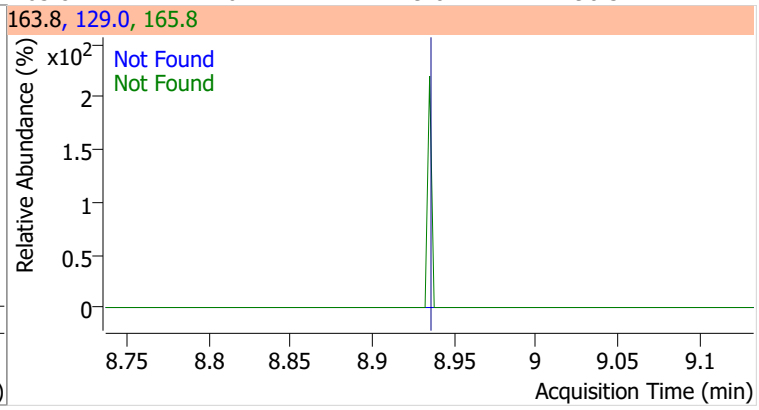


Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7

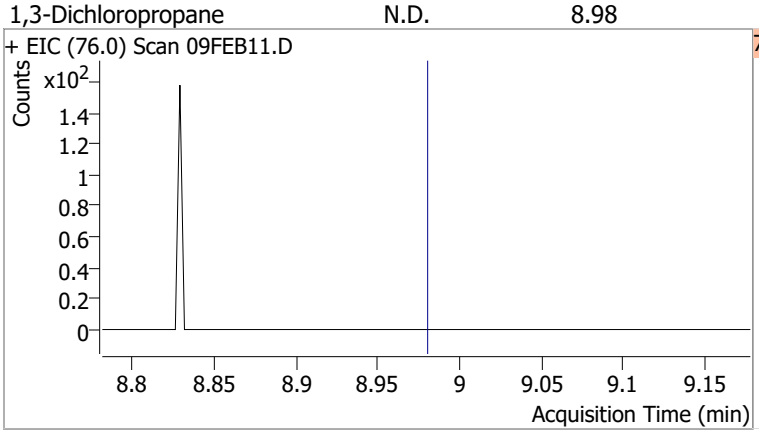


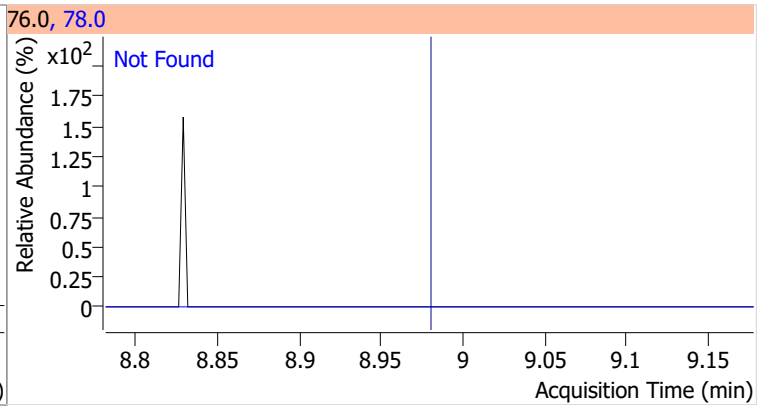
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



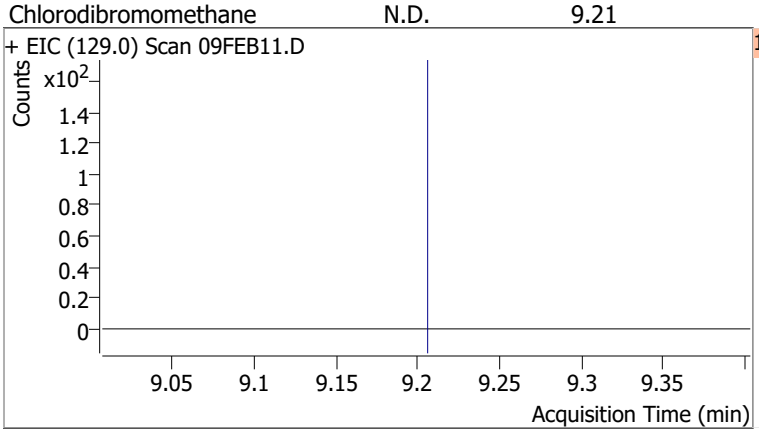


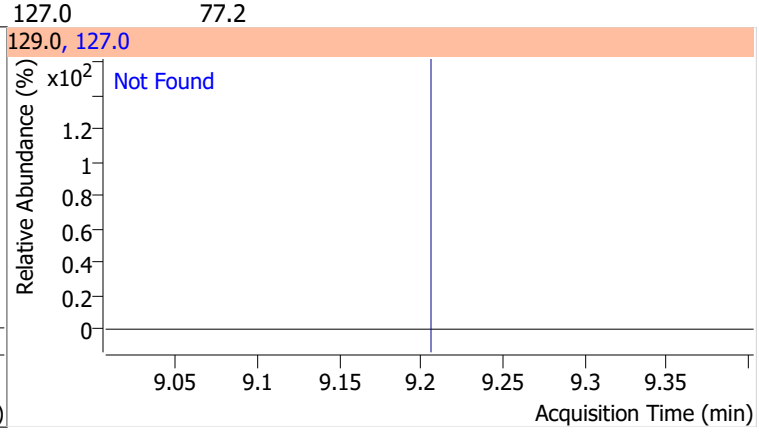
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



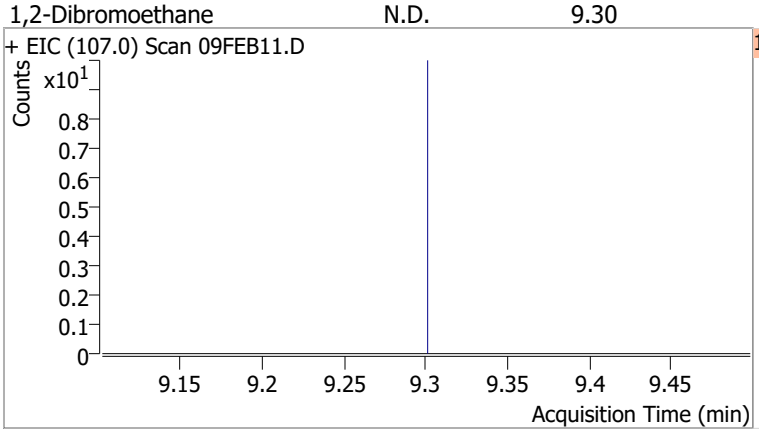


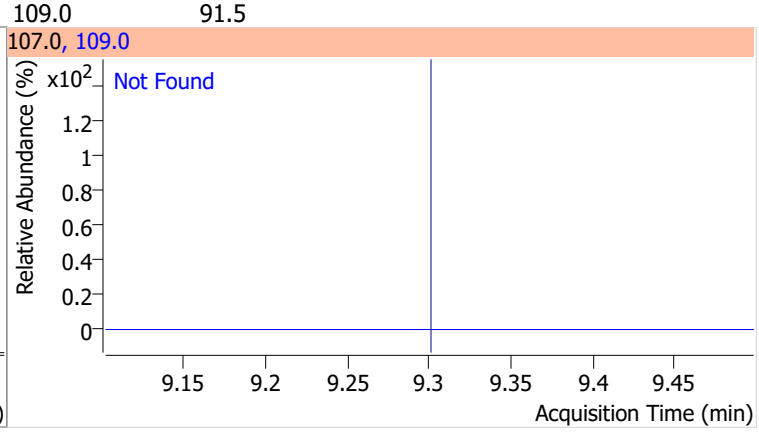
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



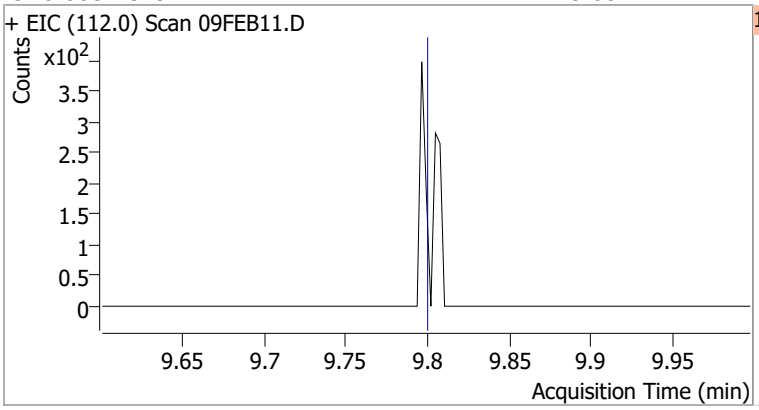


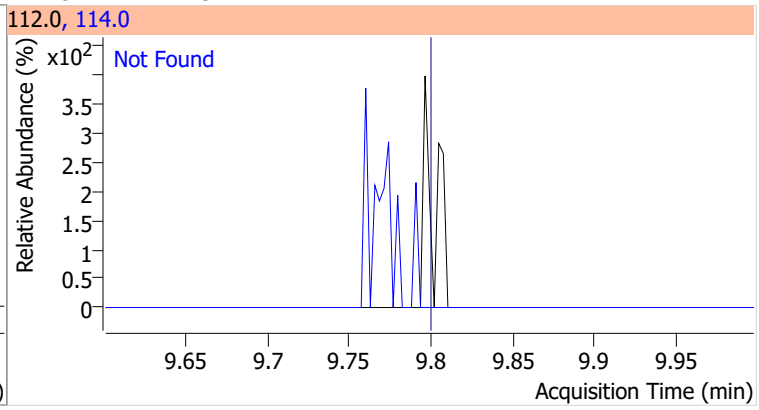
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



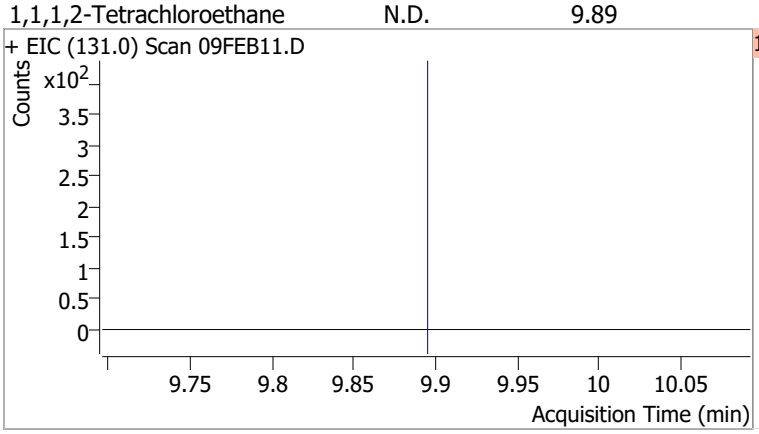


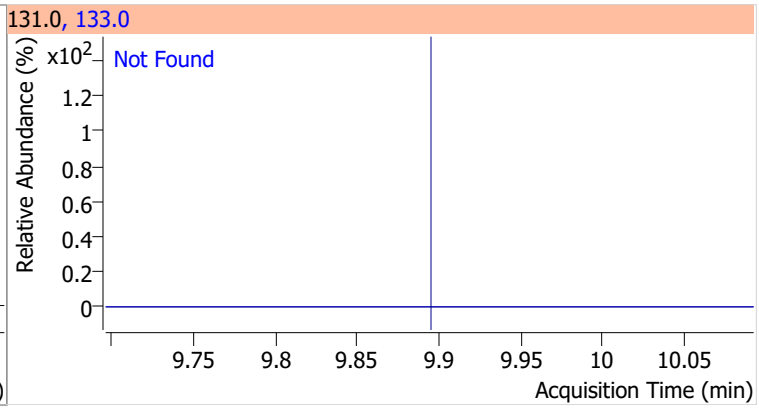
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



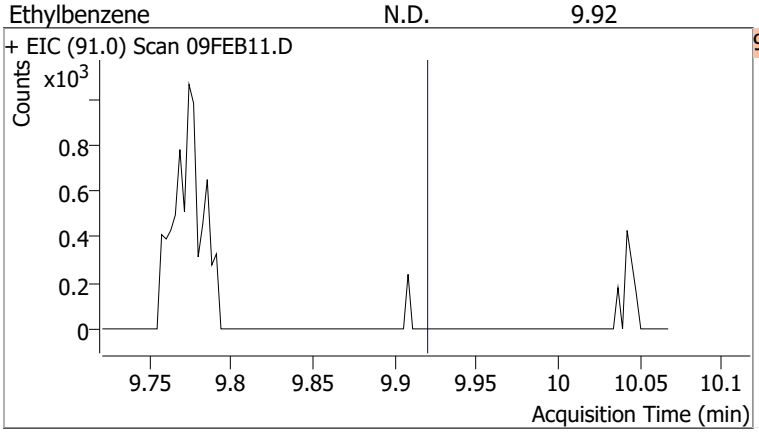


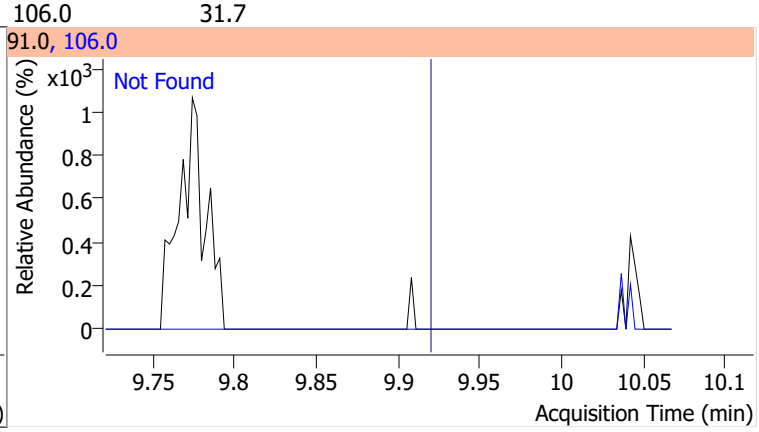
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



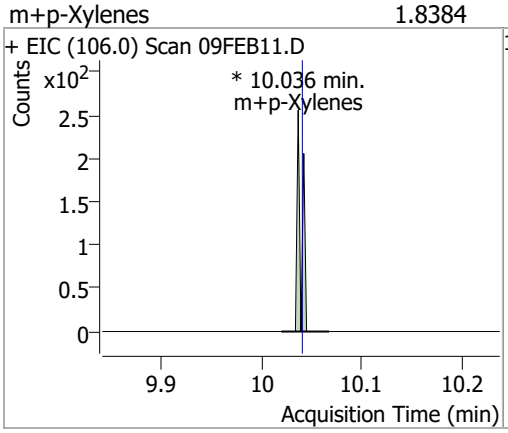


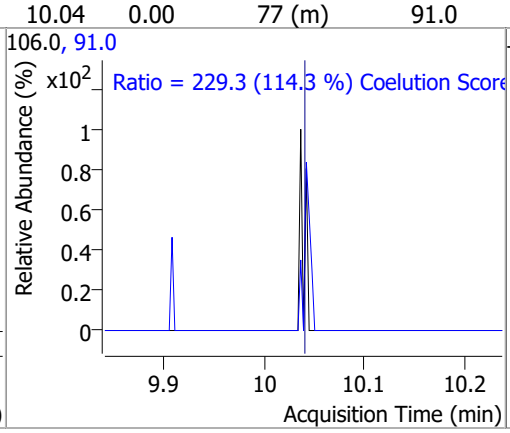
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7

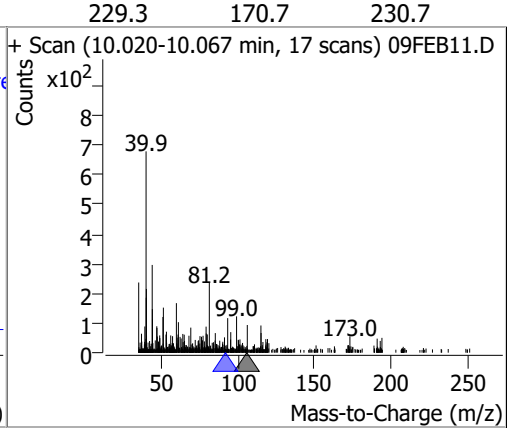




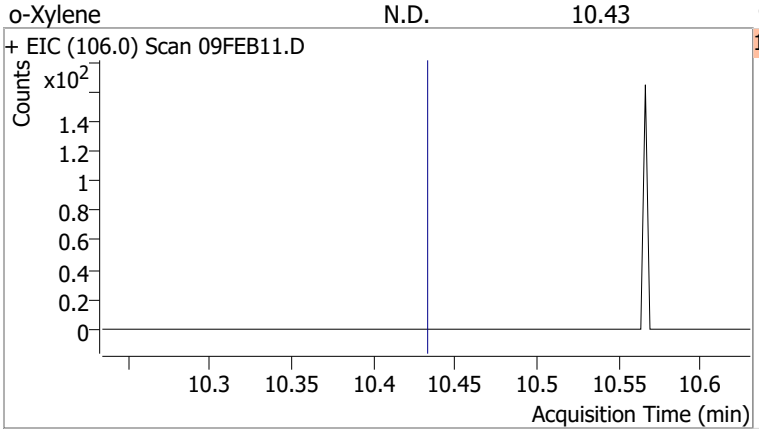
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	1.8384	10.04	0.00	77 (m)	91.0	229.3	170.7	230.7

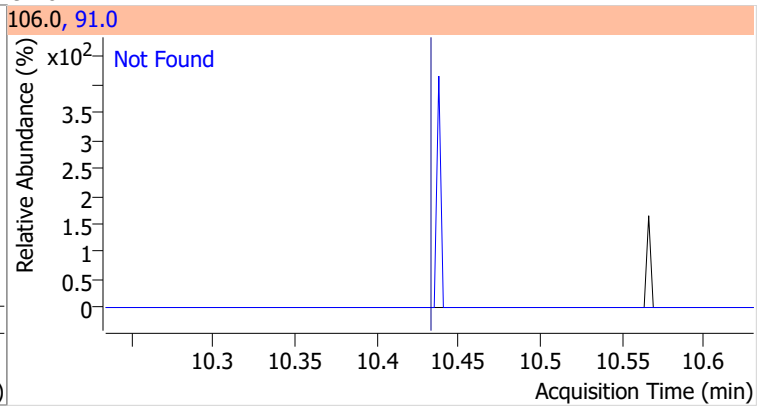




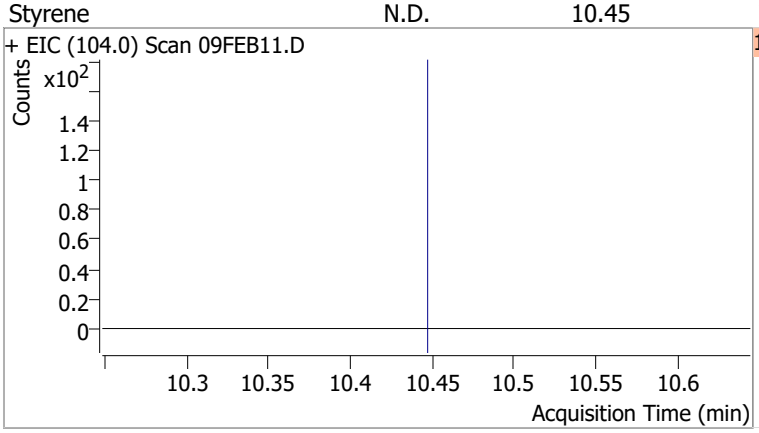


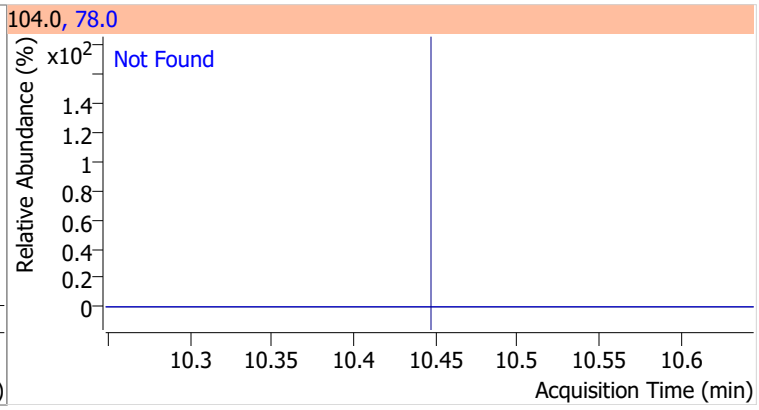
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



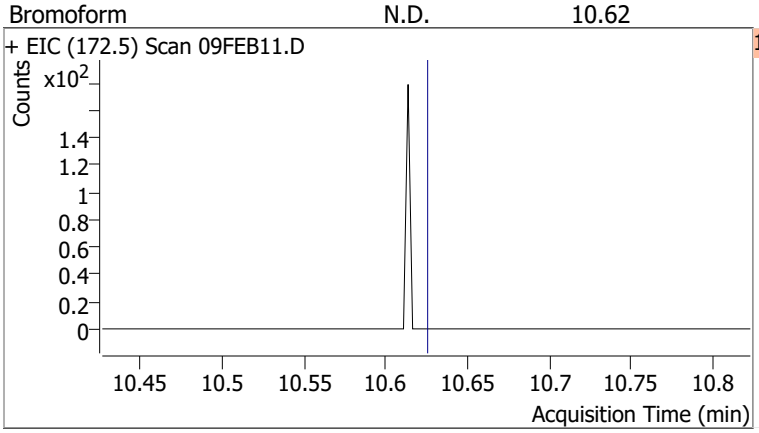


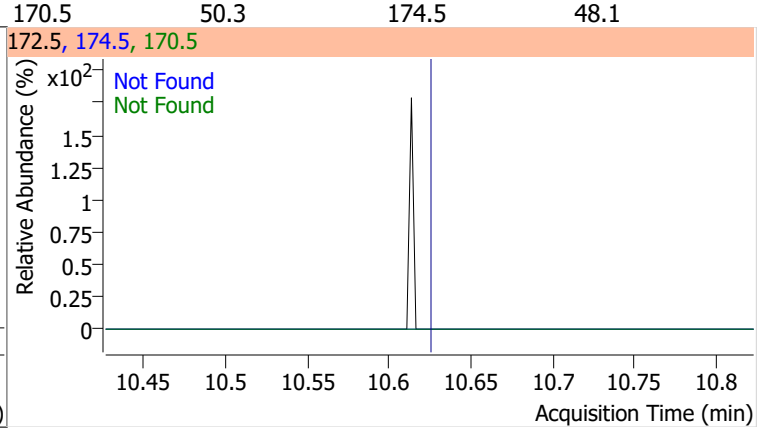
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



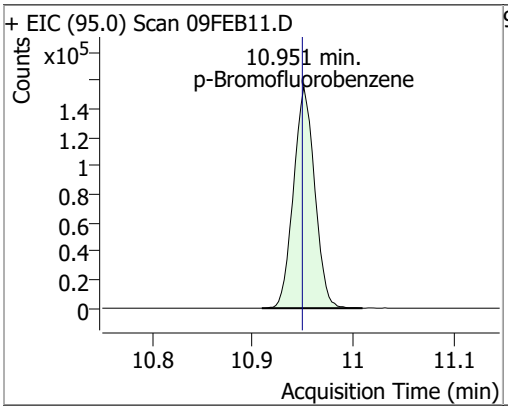


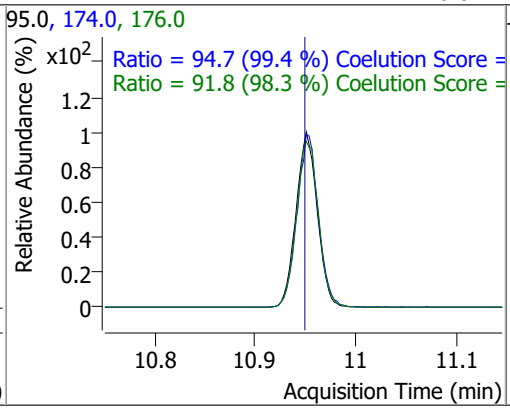
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

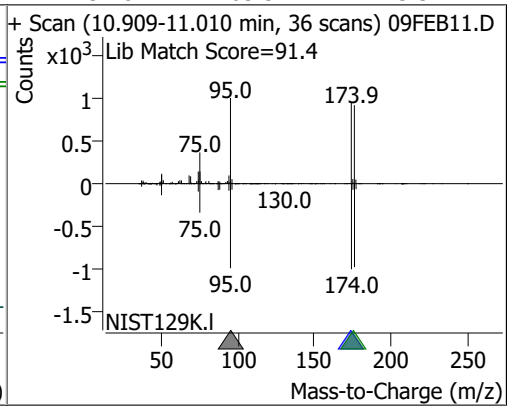




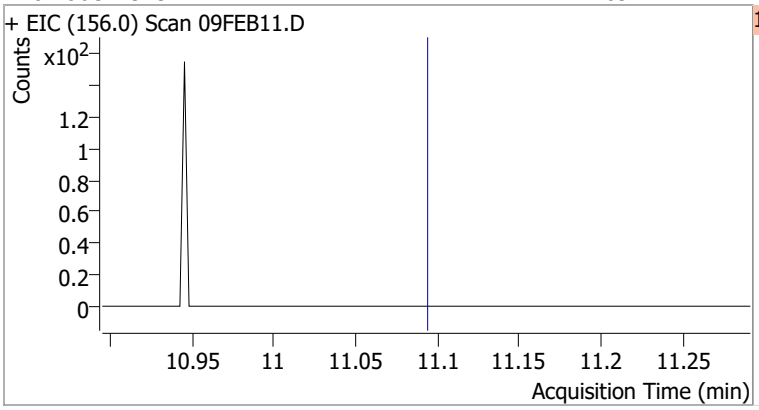
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	265.0957	10.95	0.00	228347	174.0	94.7	65.3	125.3
					176.0	91.8	63.3	123.3

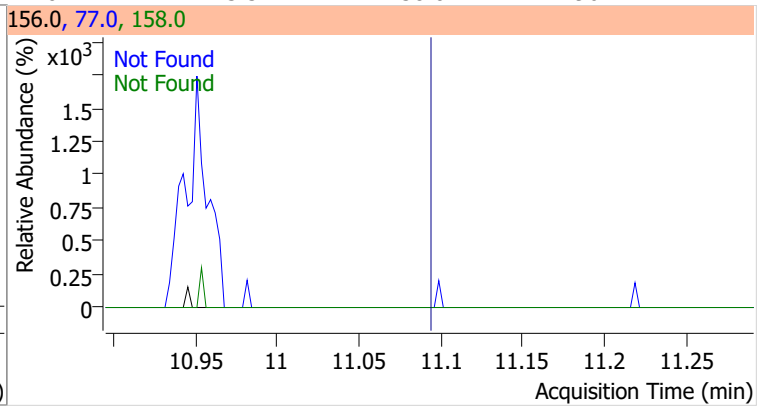




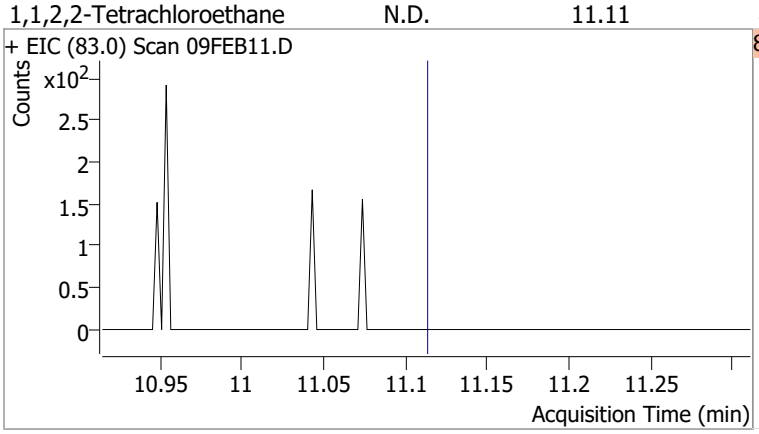


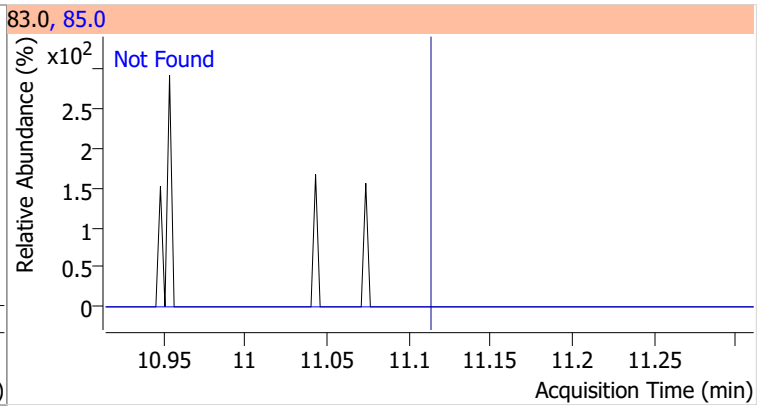
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



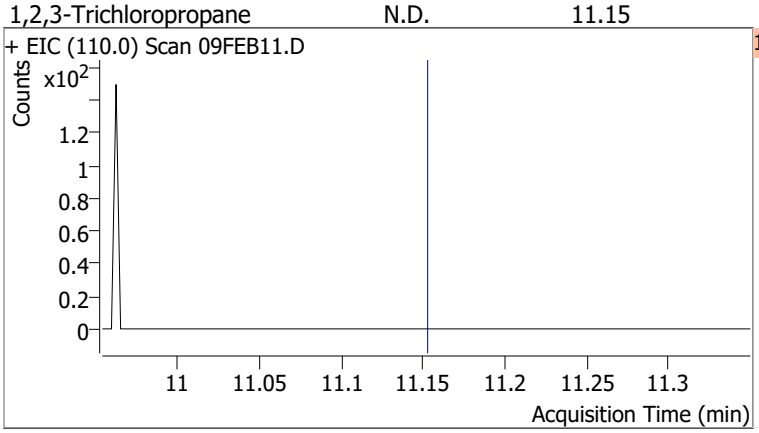


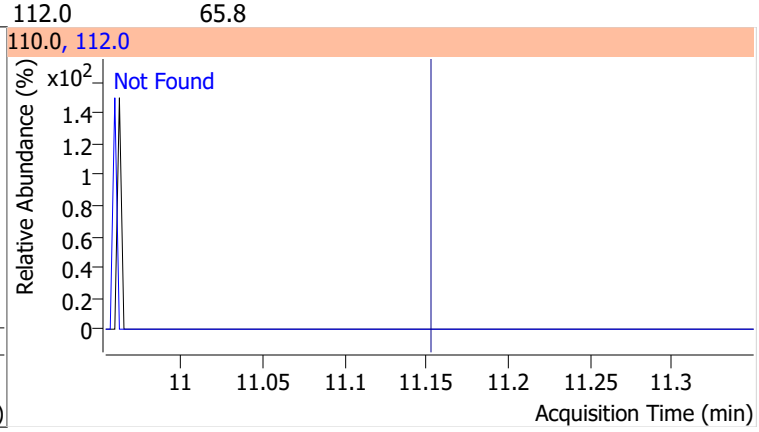
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



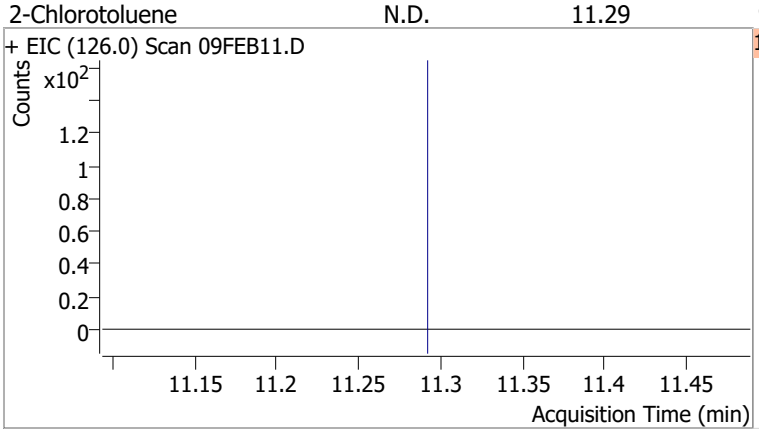


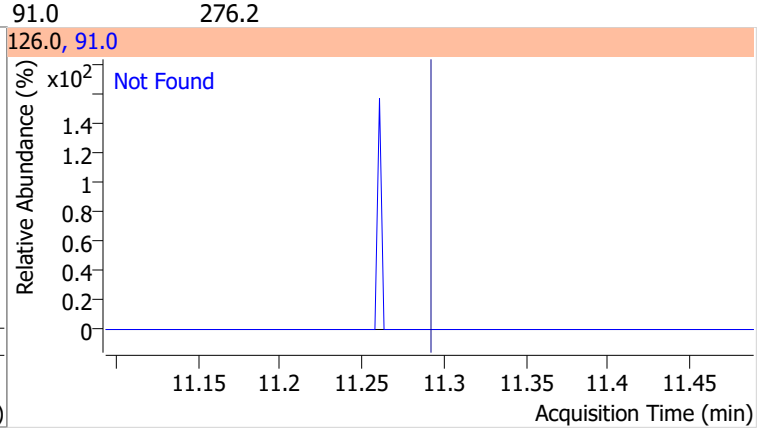
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



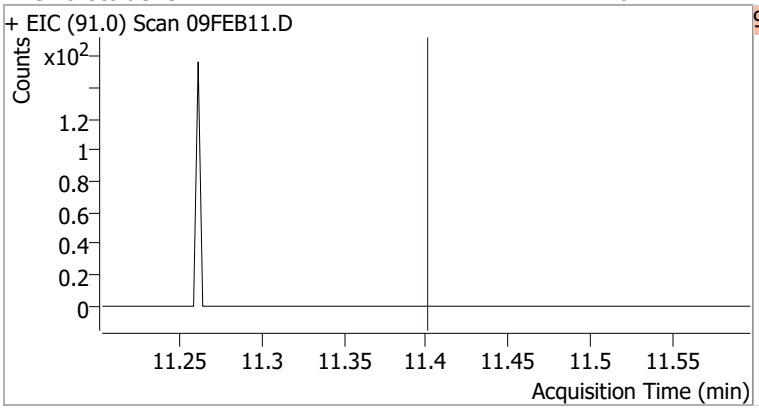


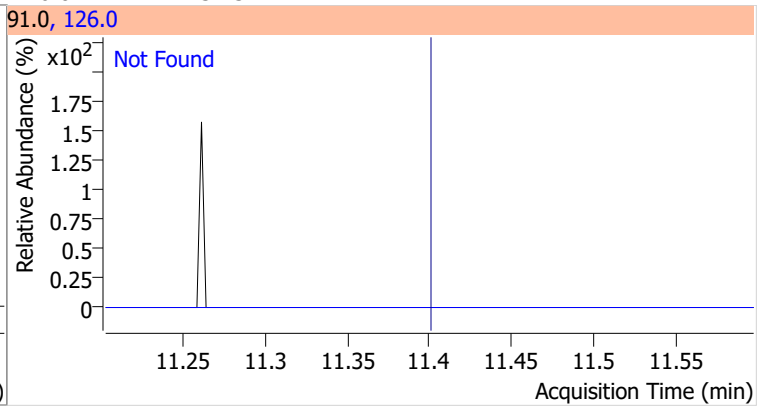
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



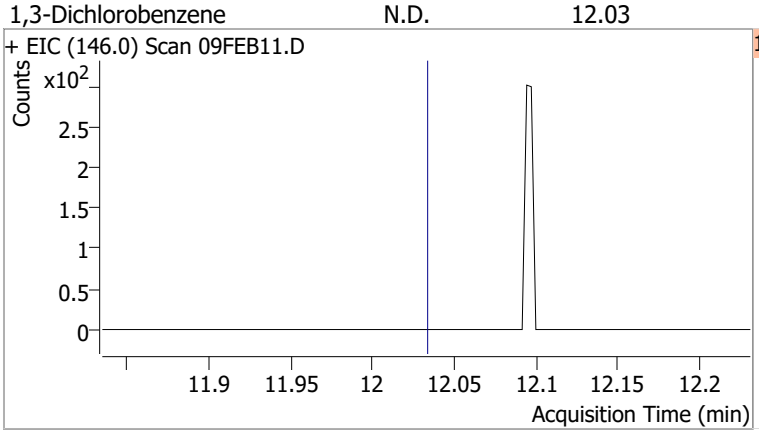


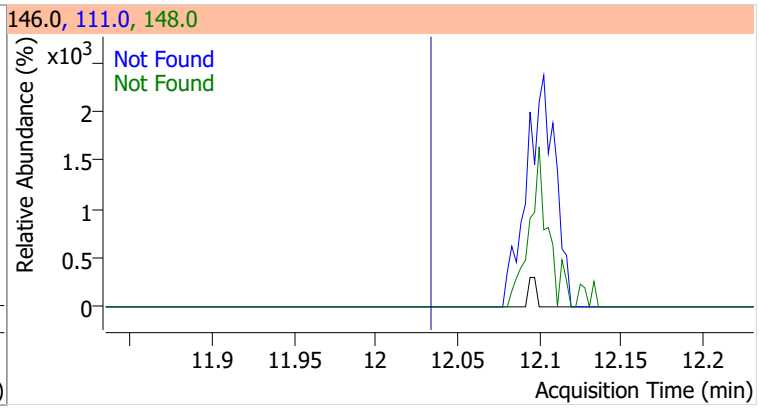
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



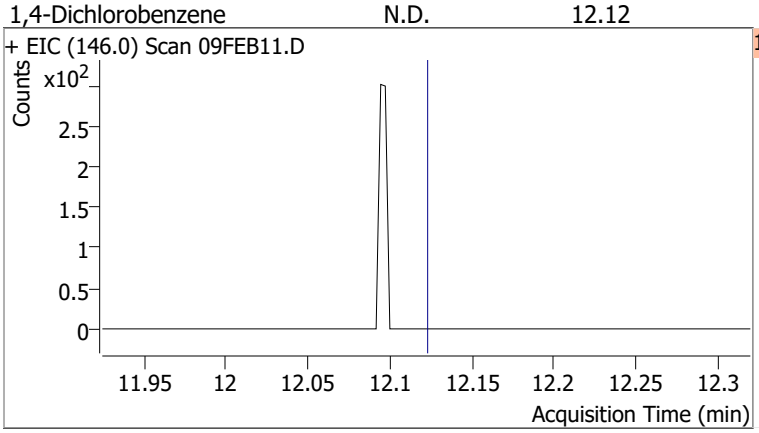


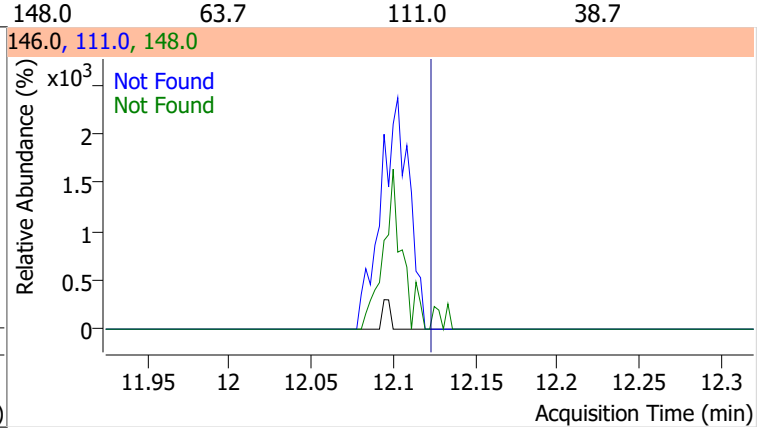
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



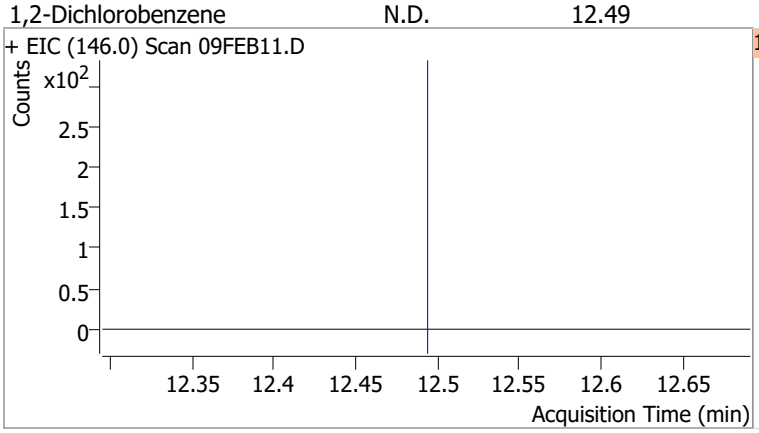


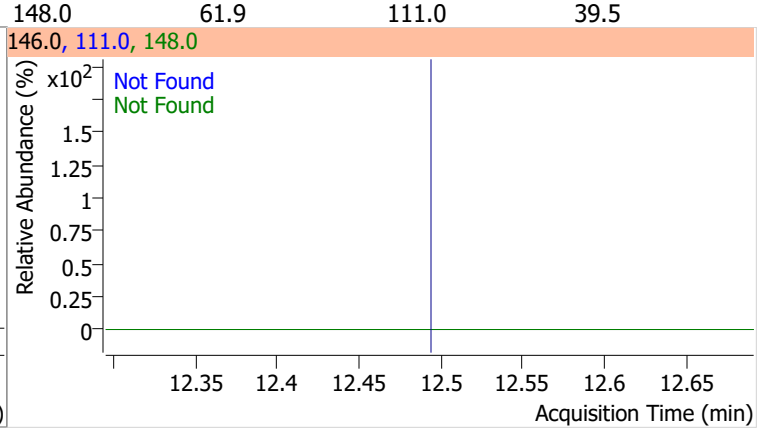
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





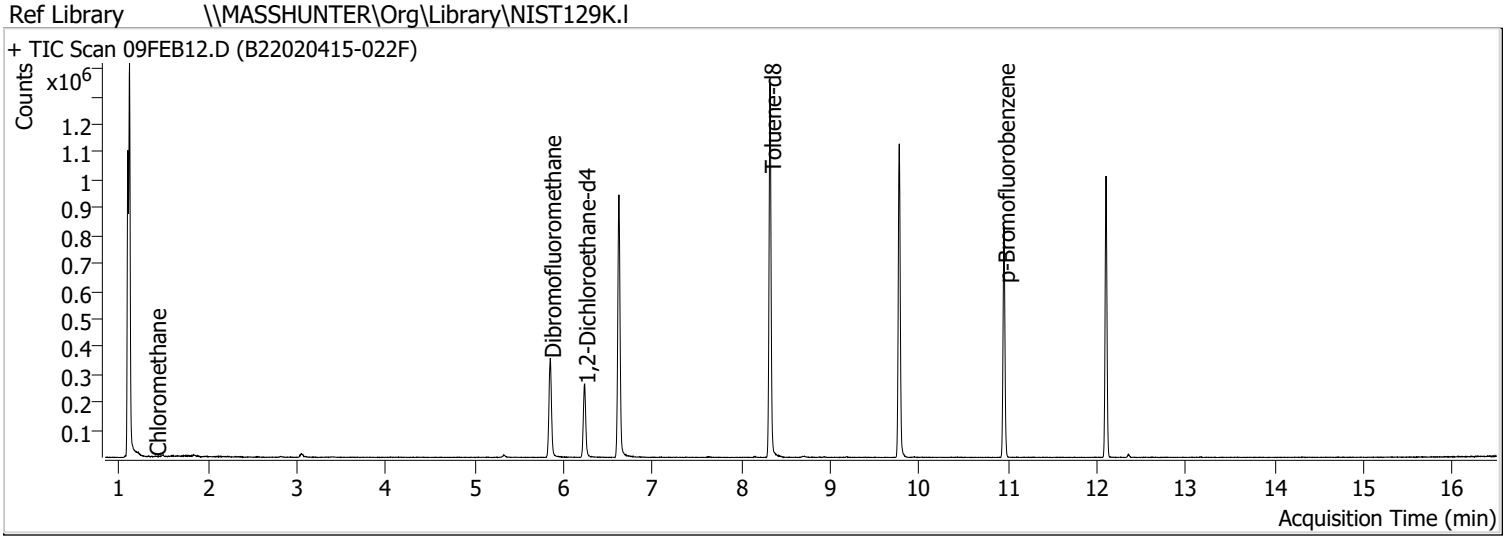
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB12.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 10:39:16 AM
Sample Name	B22020415-022F	Instrument	VOA5975C
Vial	12	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

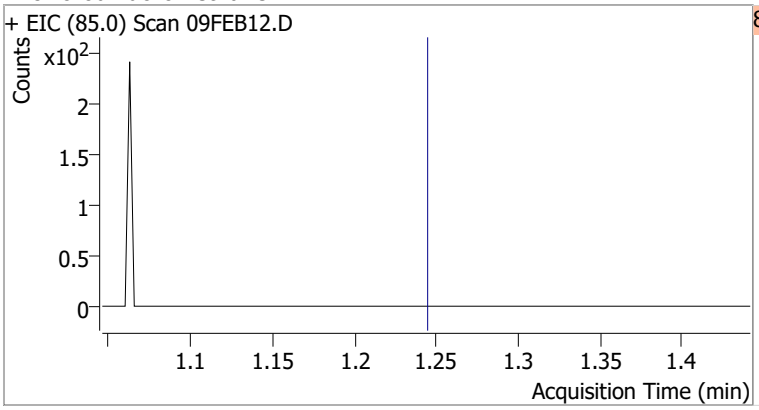


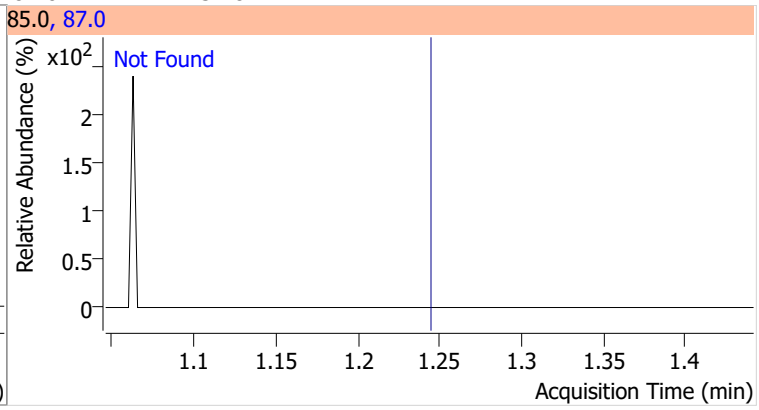
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	776112	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	309357	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	235056	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.848	113.0	211637	281.5339	ng		-0.003
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 112.61%			
S 1,2-Dichloroethane-d4	6.233	67.0	93988	289.4371	ng		0.003
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 115.77%			
S Toluene-d8	8.322	98.0	797151	264.1256	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 105.65%			
S p-Bromofluorobenzene	10.951	95.0	233626	269.1912	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 107.68%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	1.406	50.0	1186	0.9656	ng	m	84
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	0.000		0	N.D.			
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	0.000		0	N.D.			
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	8.941	163.8	0		ng	md	1
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	0.000		0	N.D.			
T o-Xylene	0.000		0	N.D.			
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

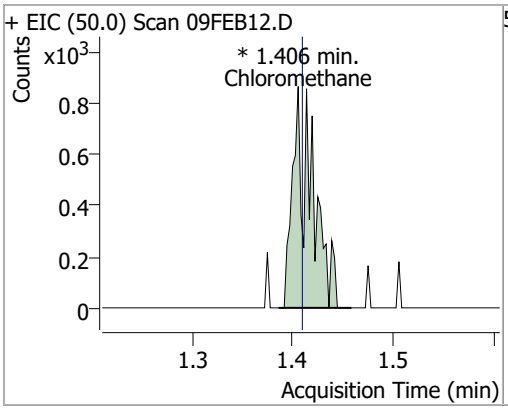
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

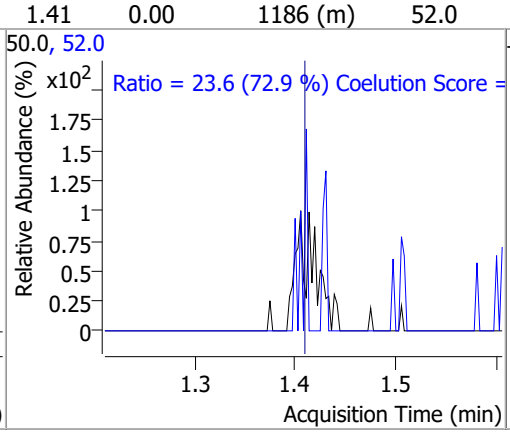
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8

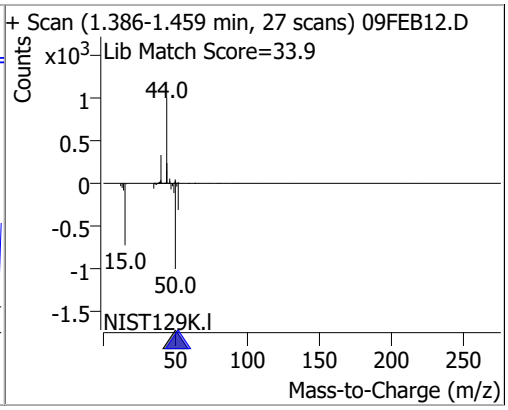




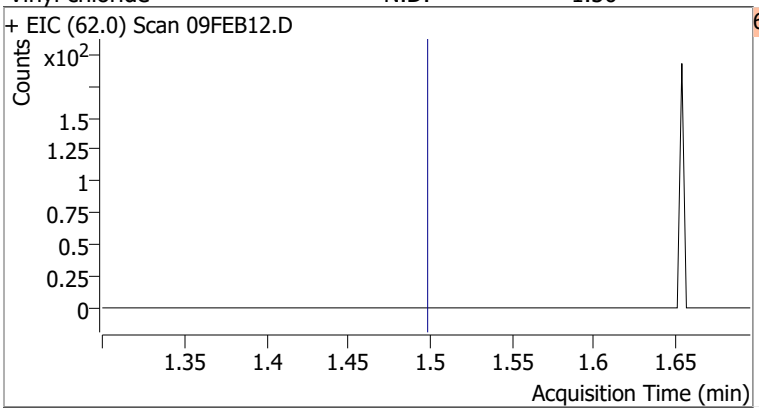
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	0.9656	1.41	0.00	1186 (m)	52.0	23.6	2.4	62.4

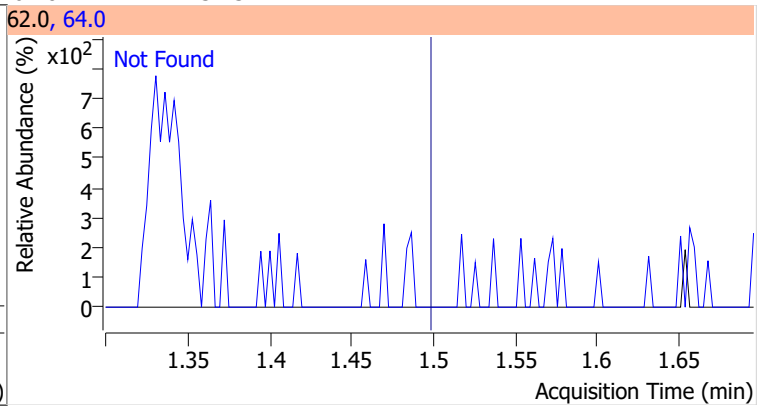




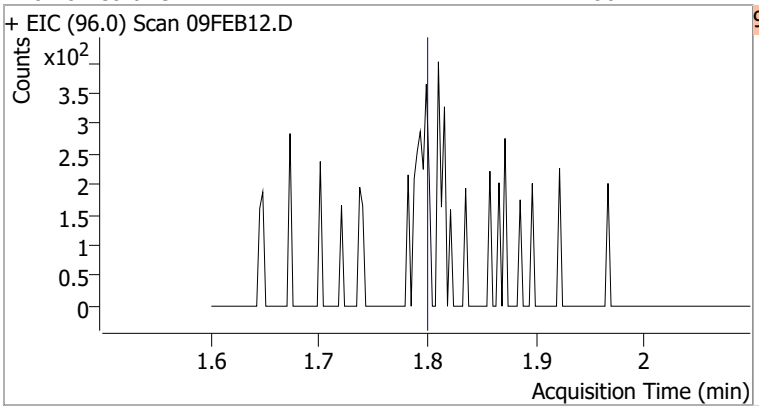


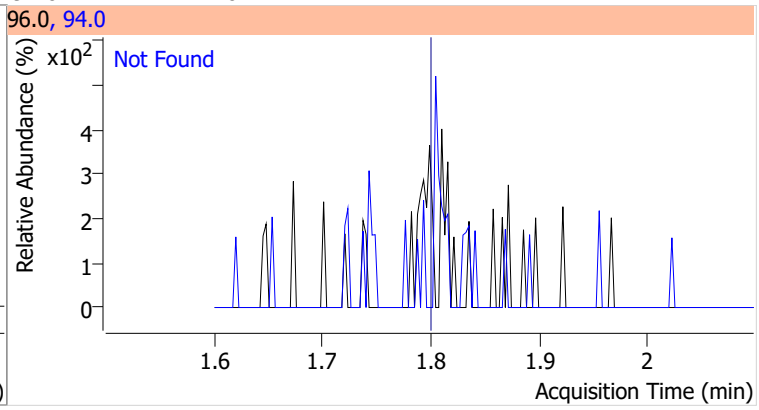
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



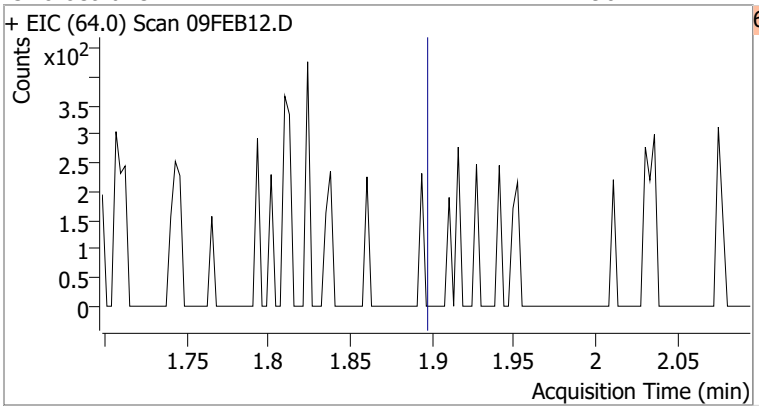


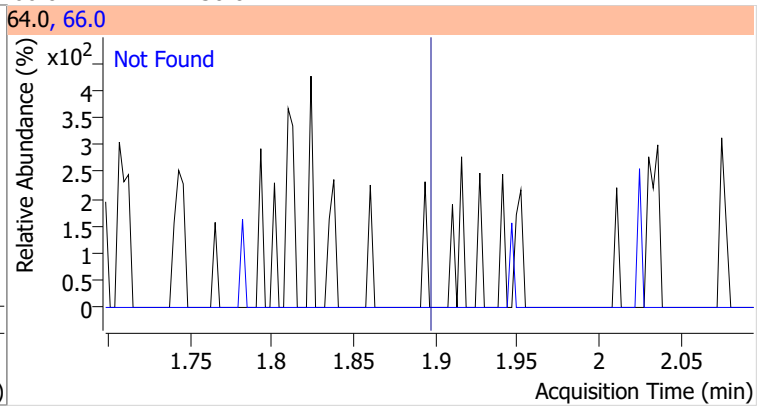
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



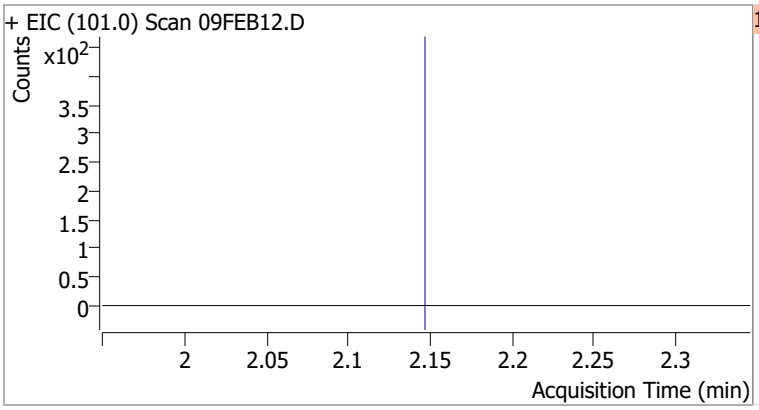


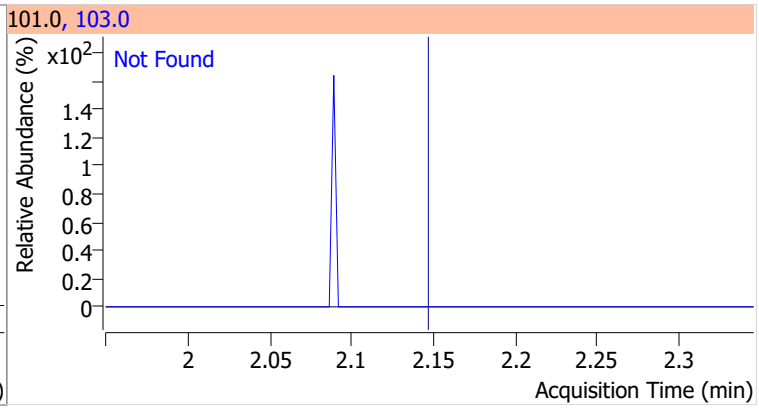
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



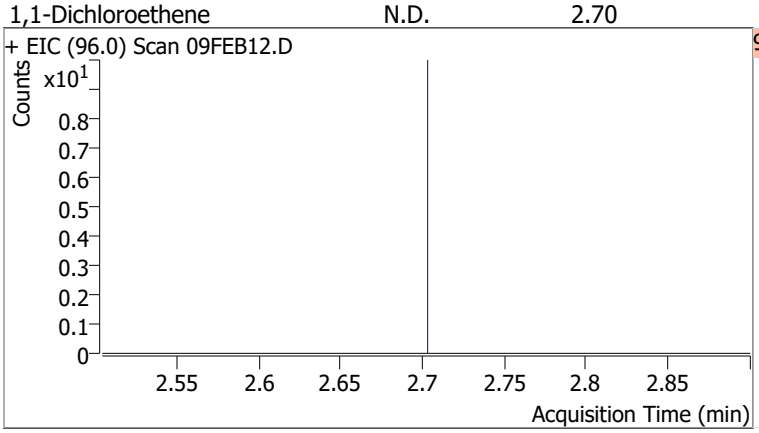


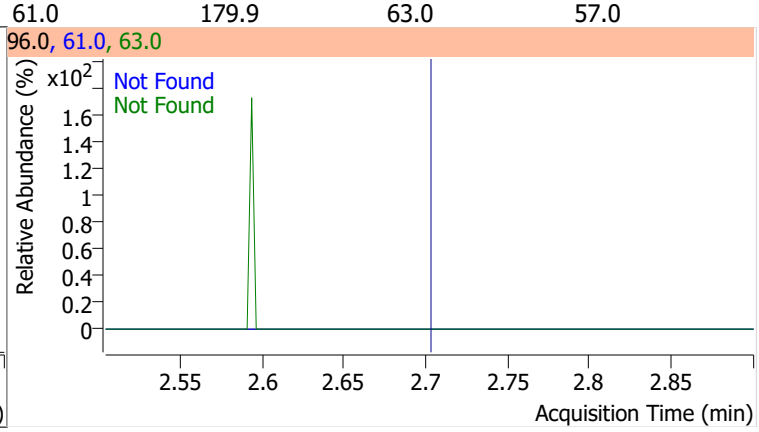
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



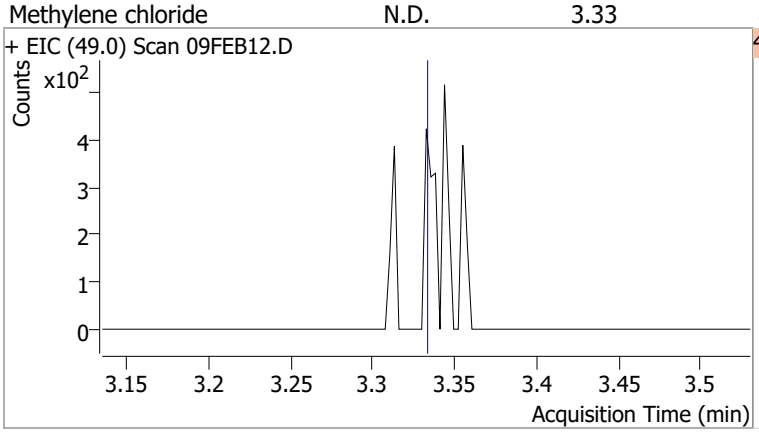


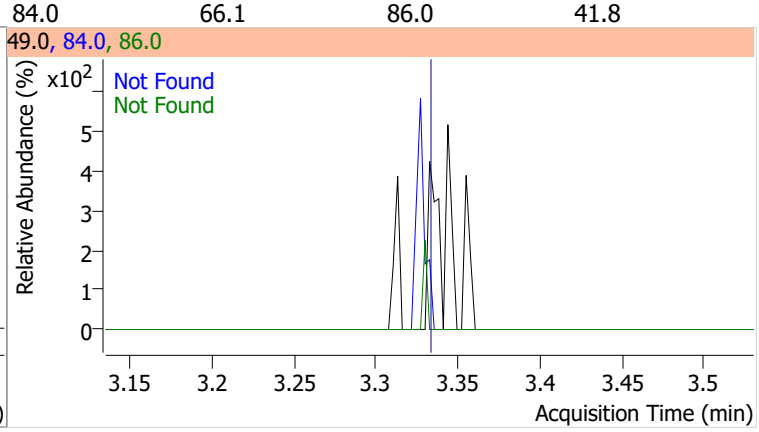
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0



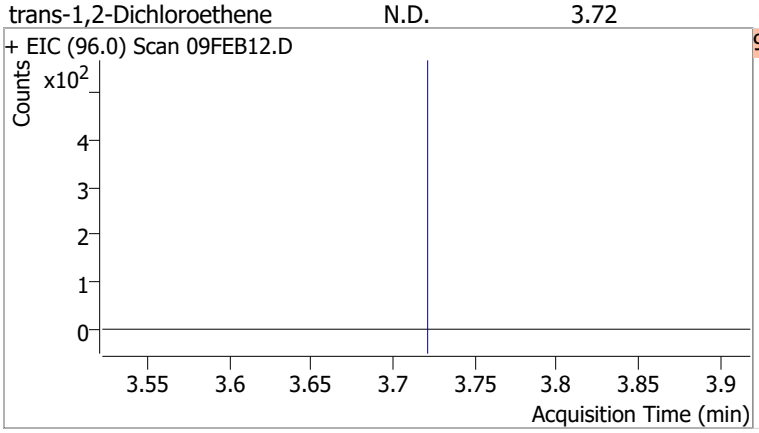


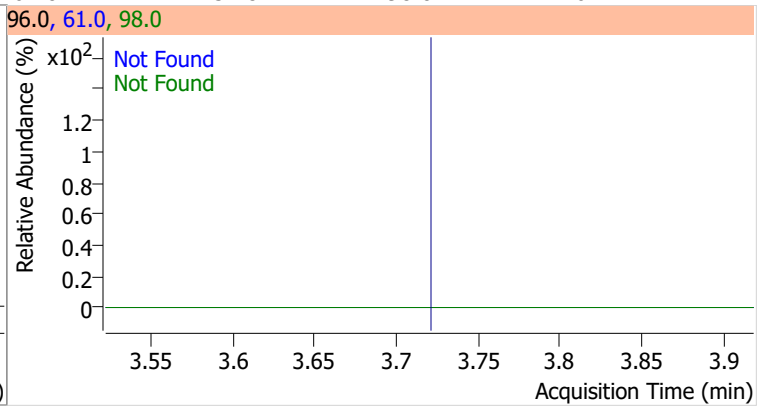
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Methylene chloride	N.D.	3.33	84.0	66.1	86.0	41.8



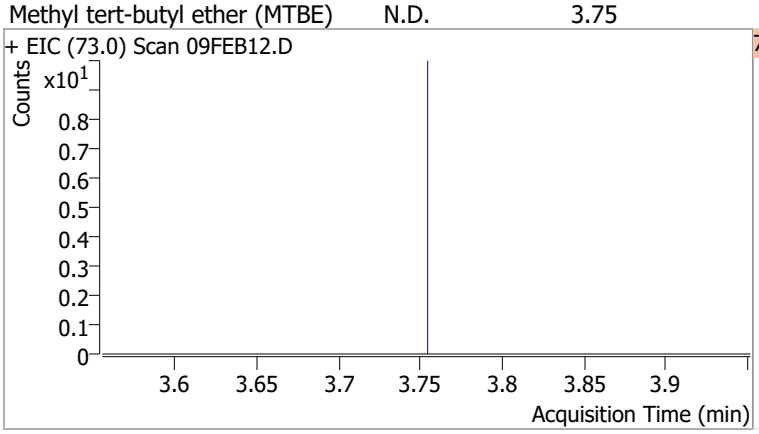


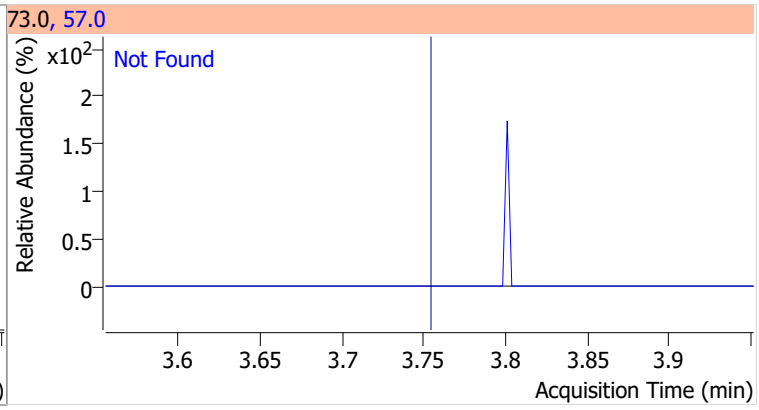
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



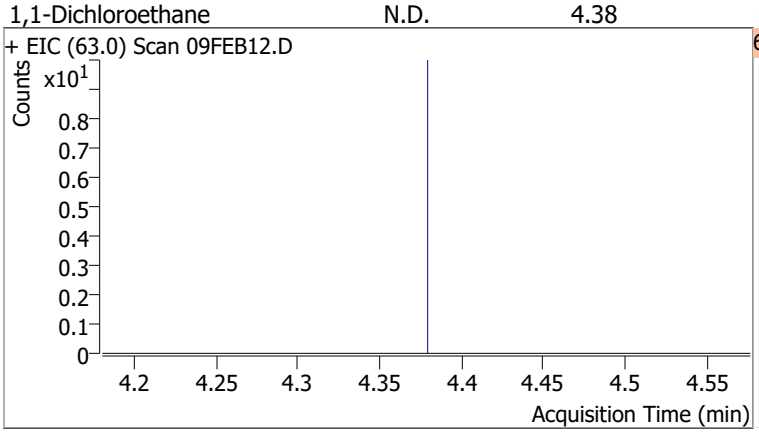


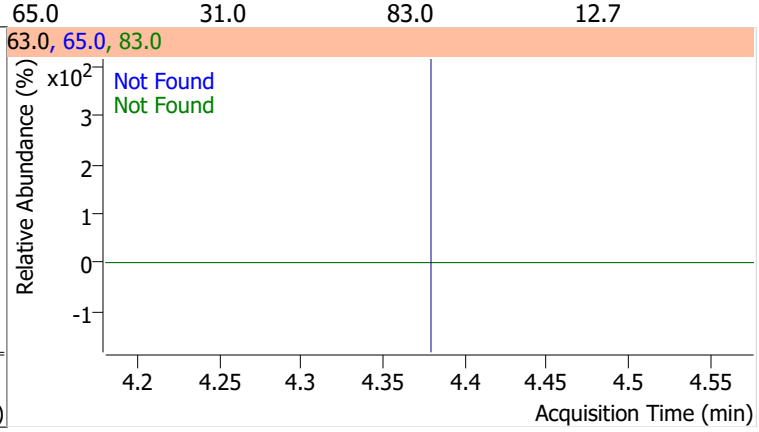
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



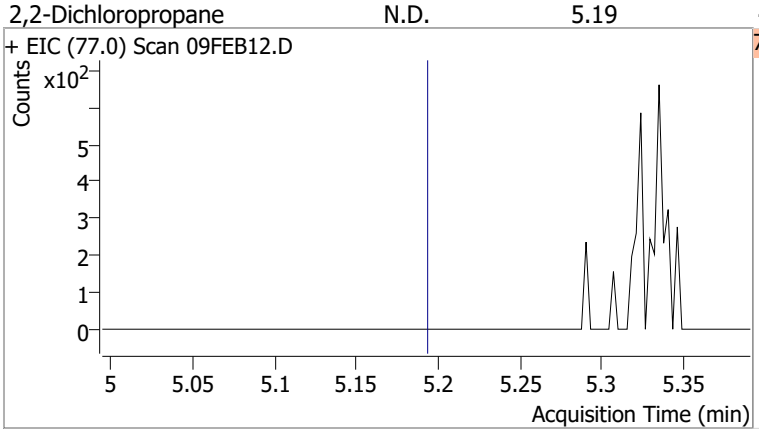


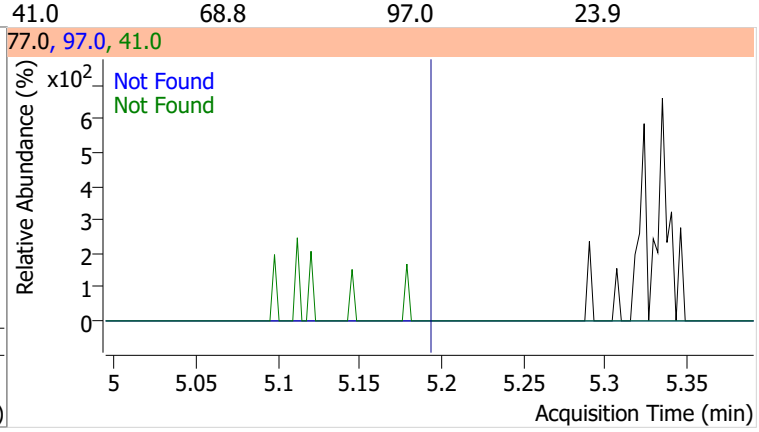
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



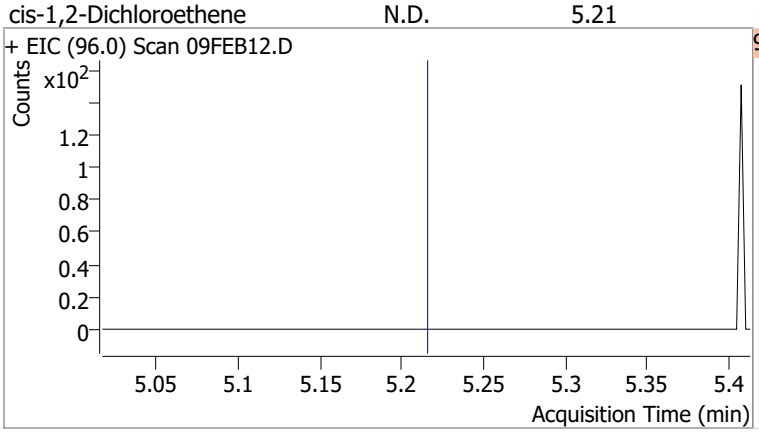


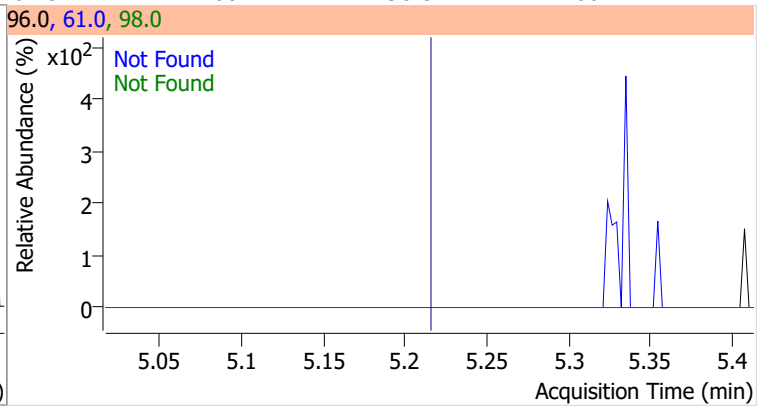
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



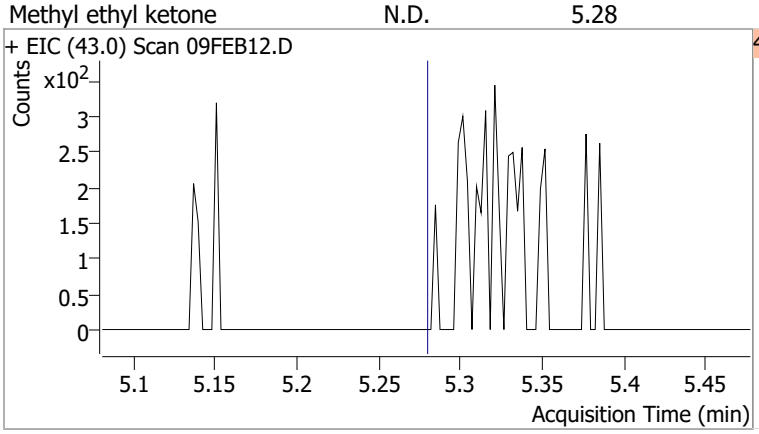


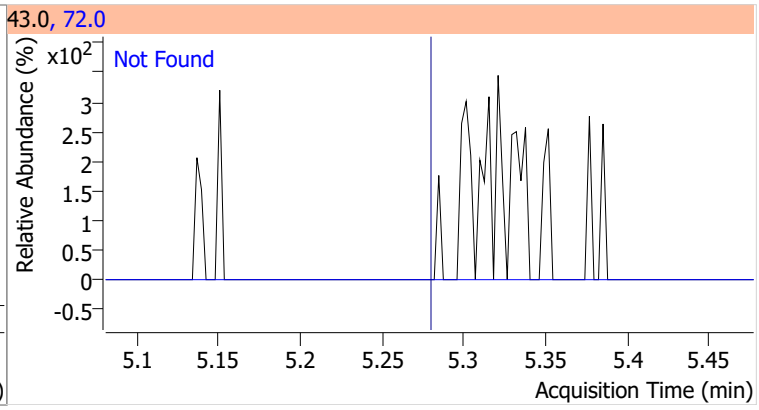
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



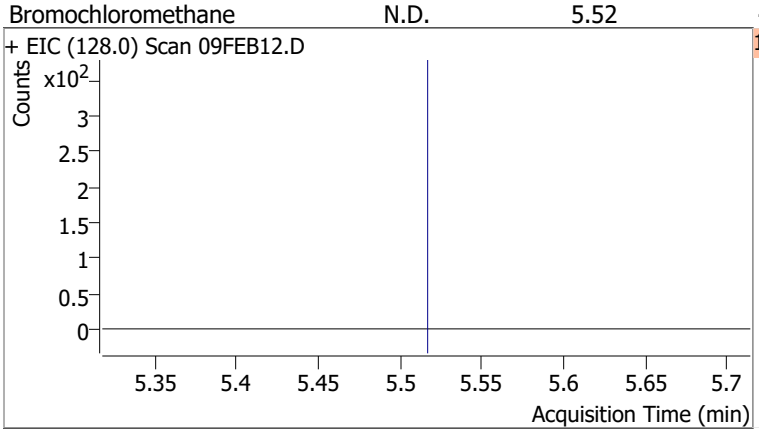


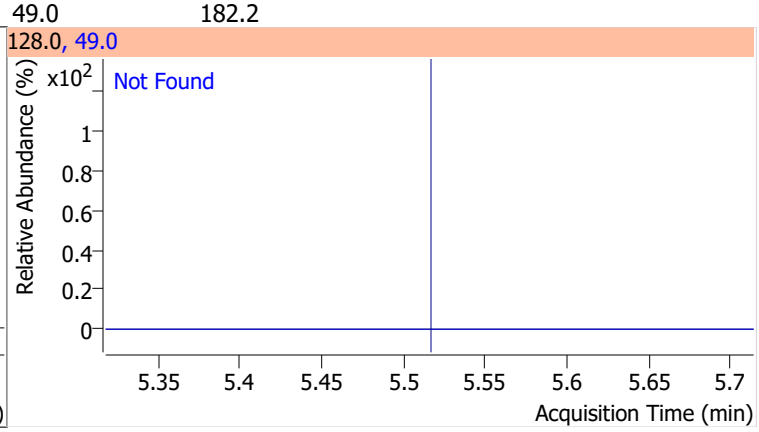
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



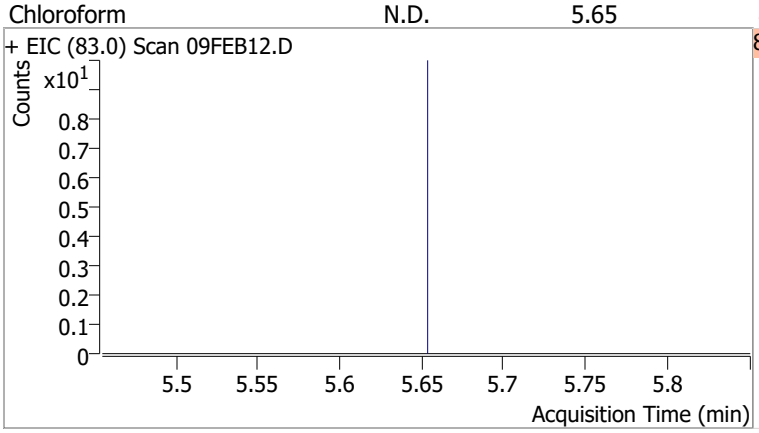


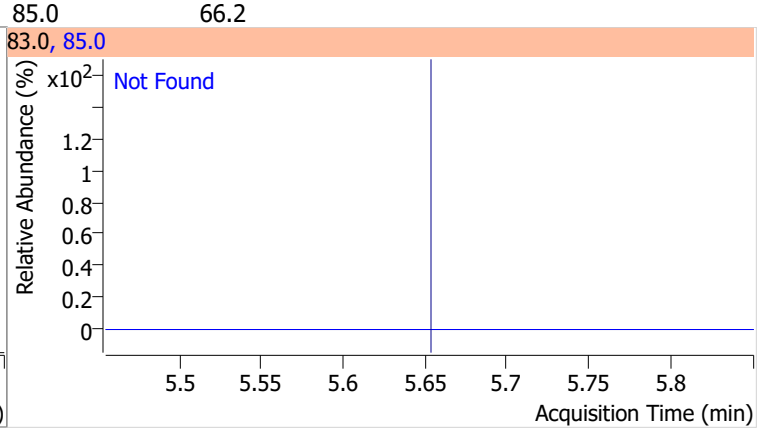
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2



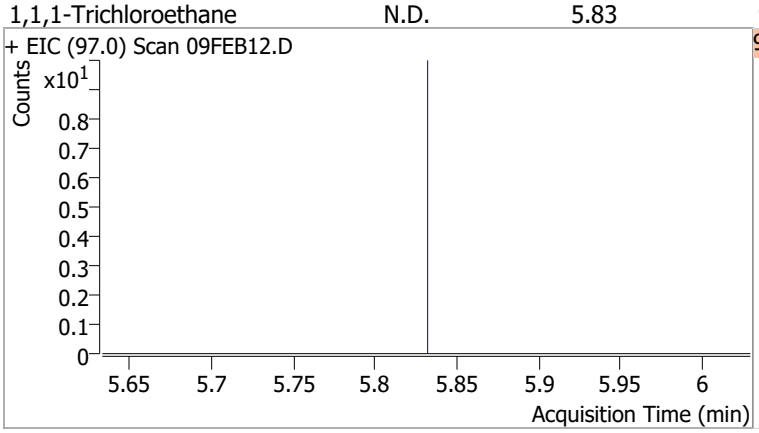


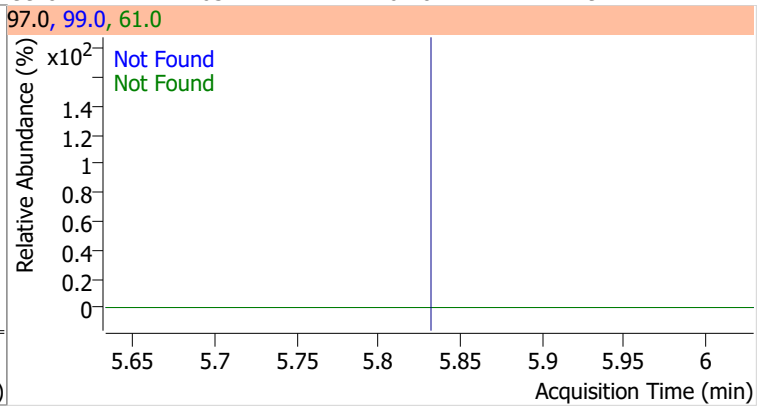
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroform	N.D.	5.65	85.0	66.2



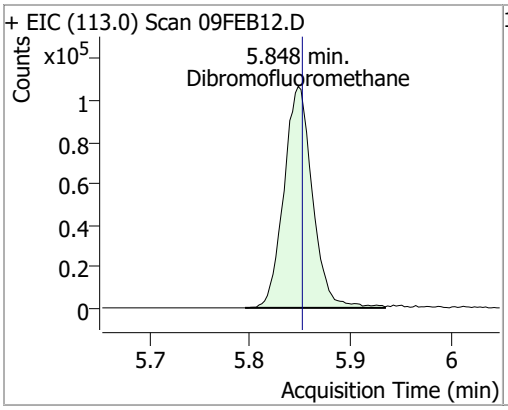


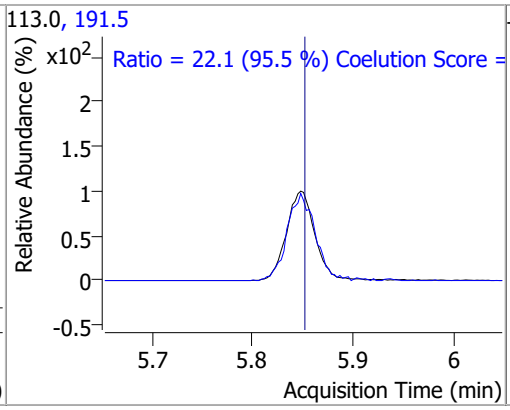
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

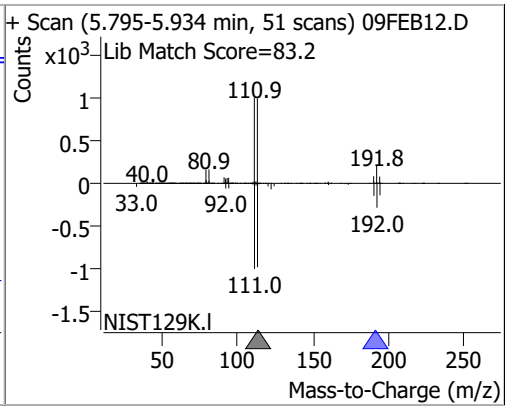




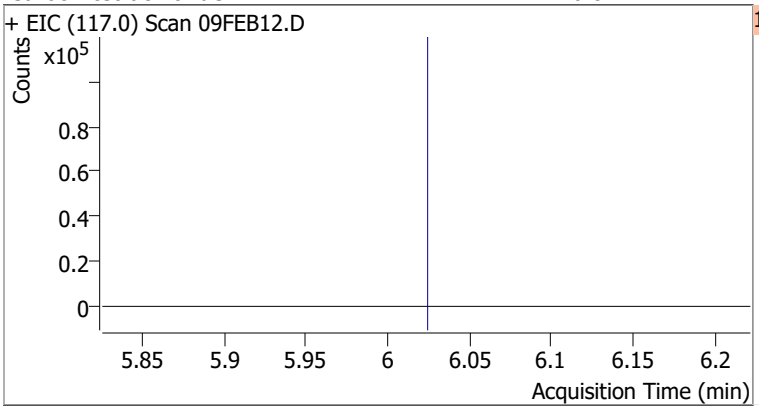
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	281.5339	5.85	0.00	211637	191.5	22.1	0.0	53.2

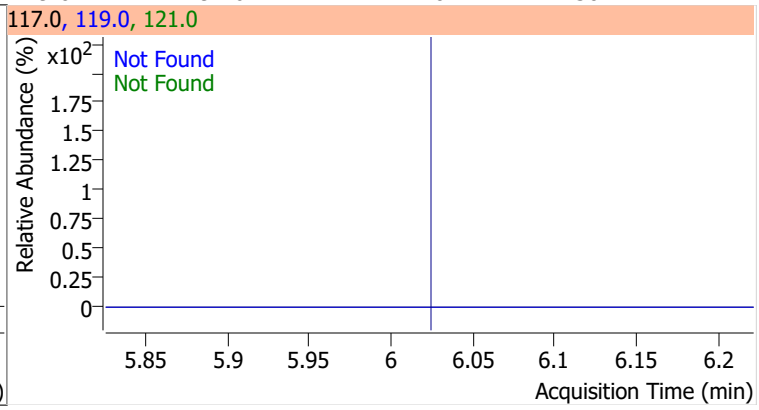




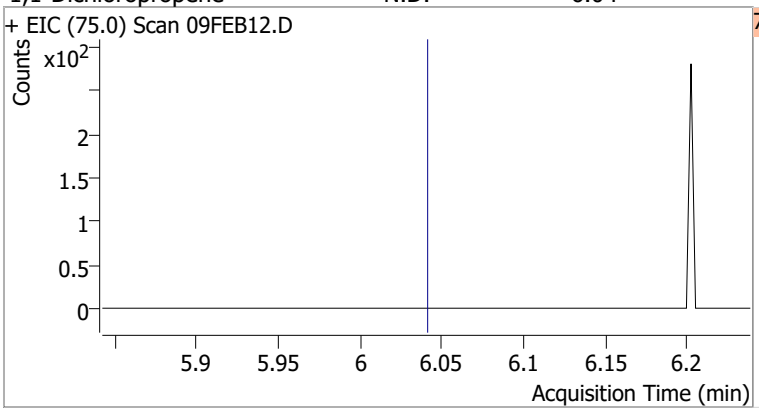


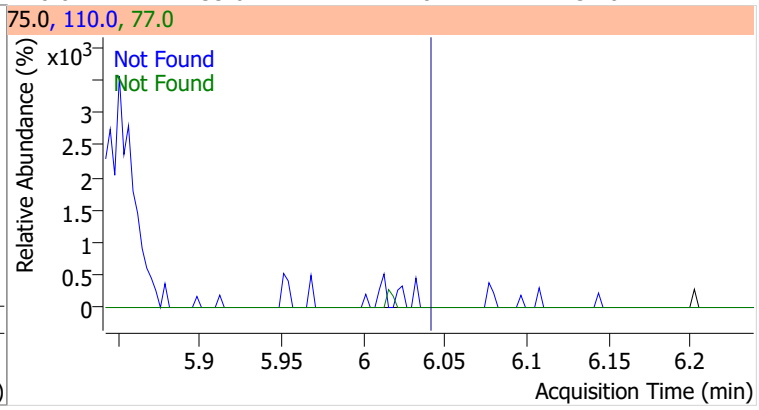
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7





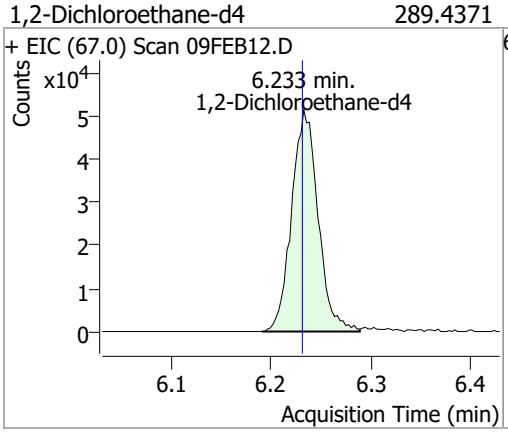
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

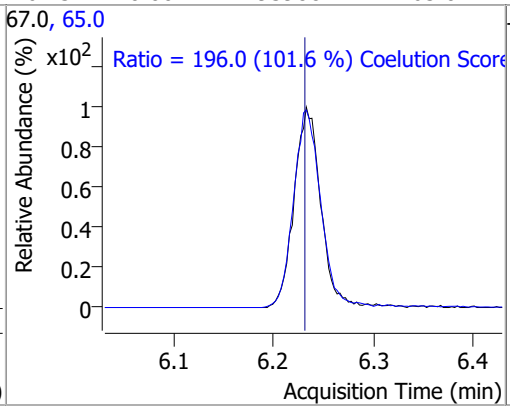


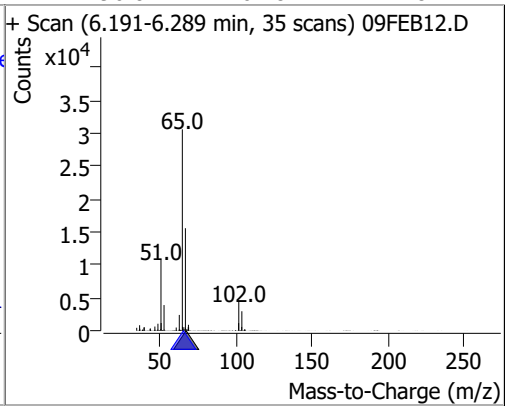


Quantitation Results Report (QT Reviewed)

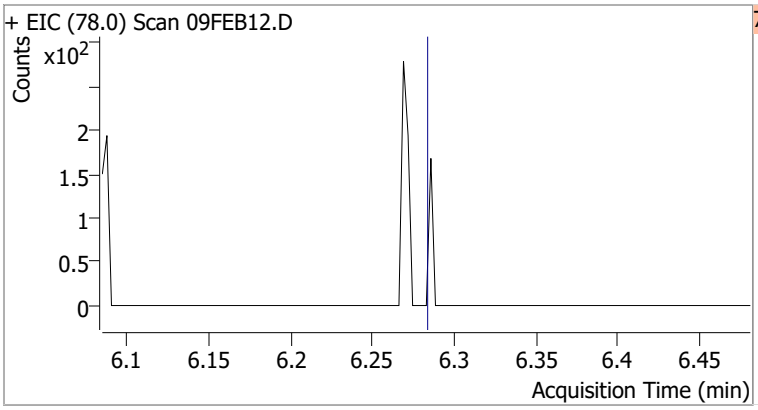
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	289.4371	6.23	0.00	93988	65.0	196.0	162.8	222.8

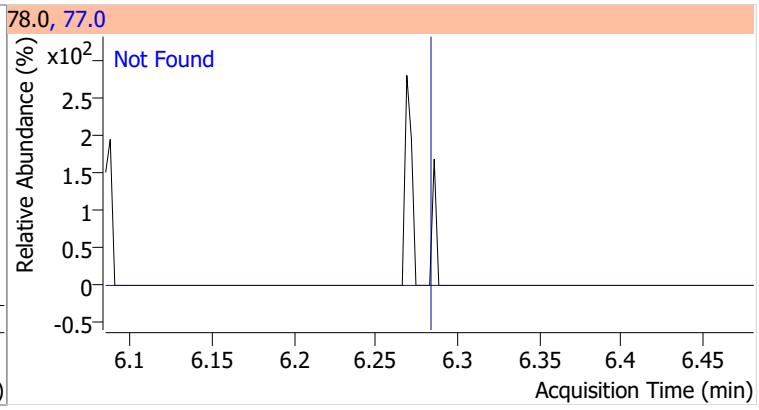




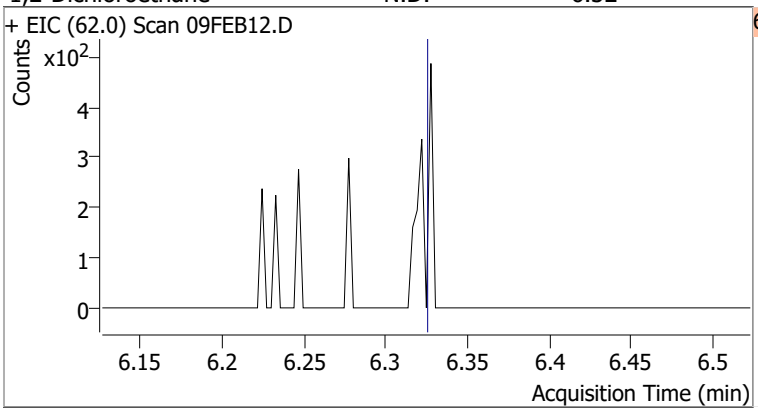


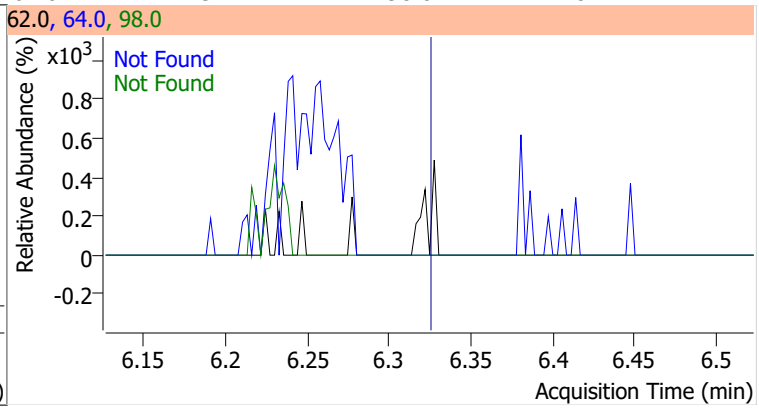
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



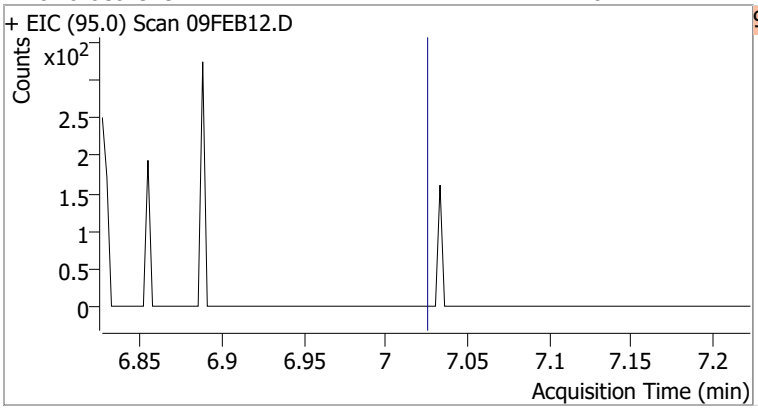


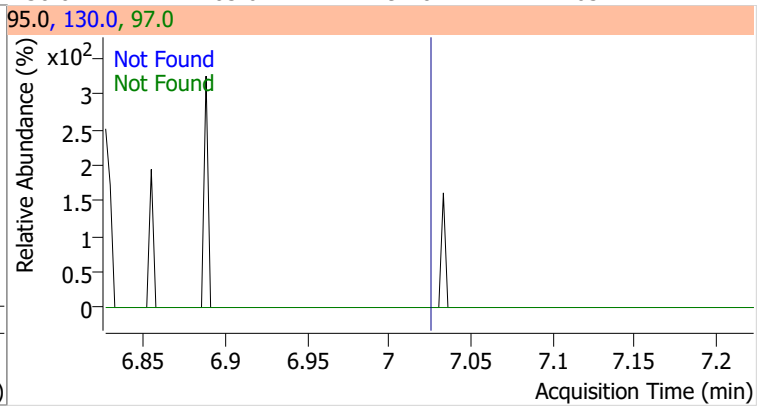
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



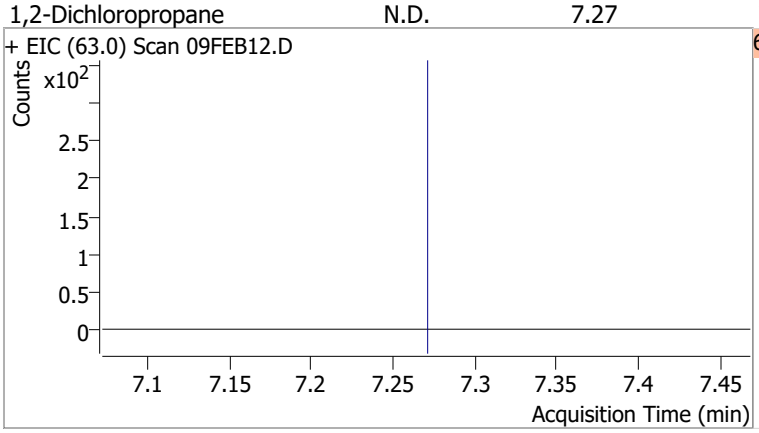


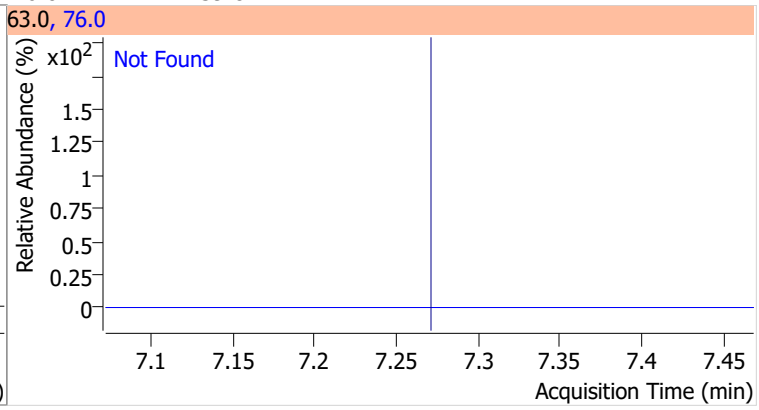
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



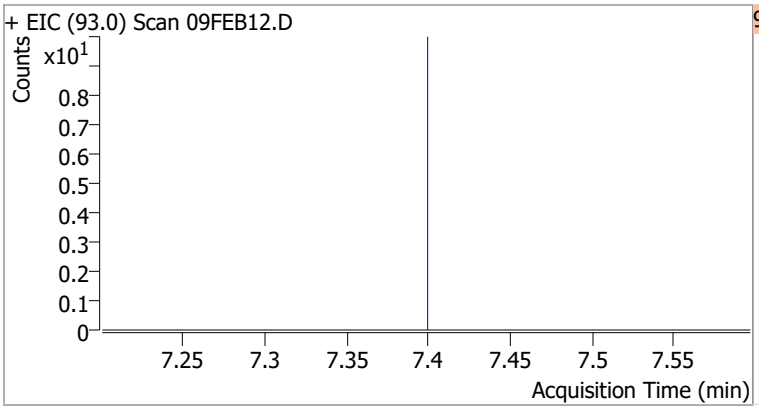


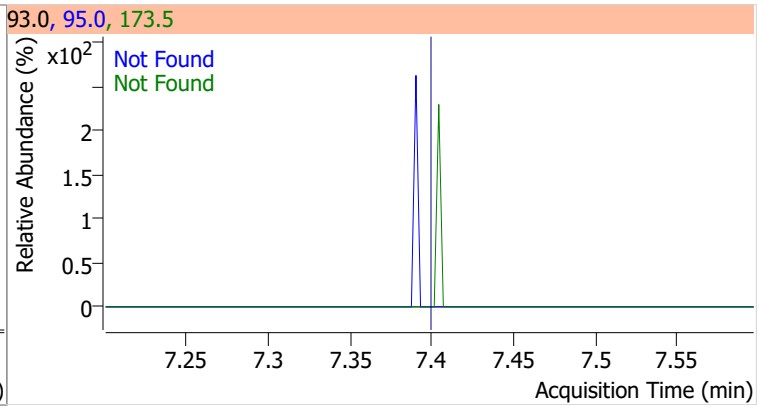
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



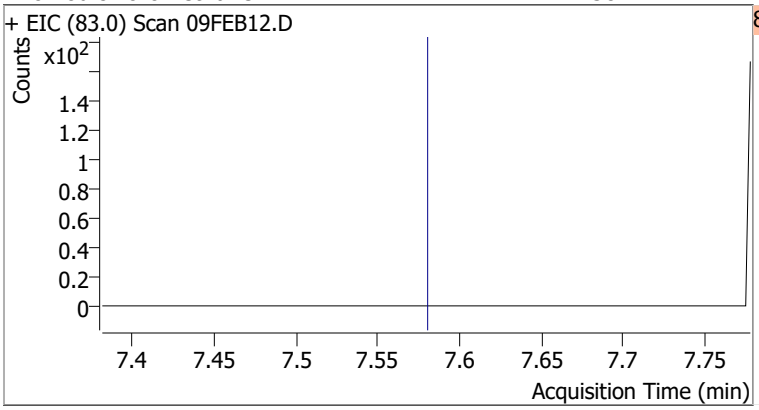


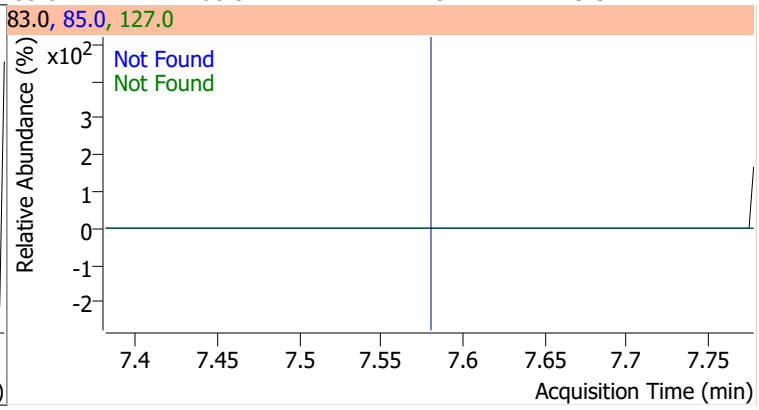
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



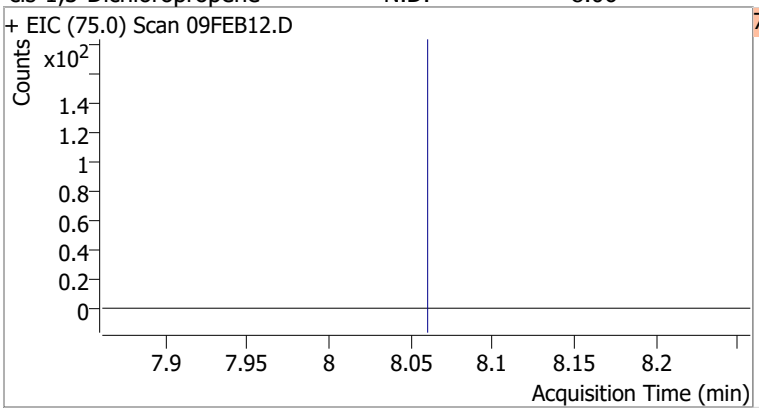


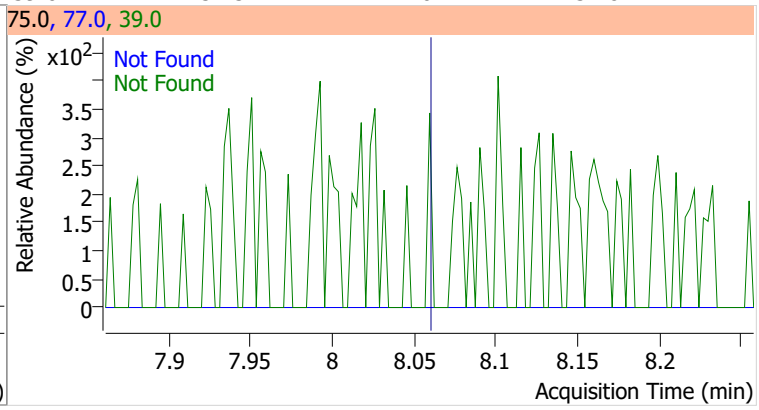
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5





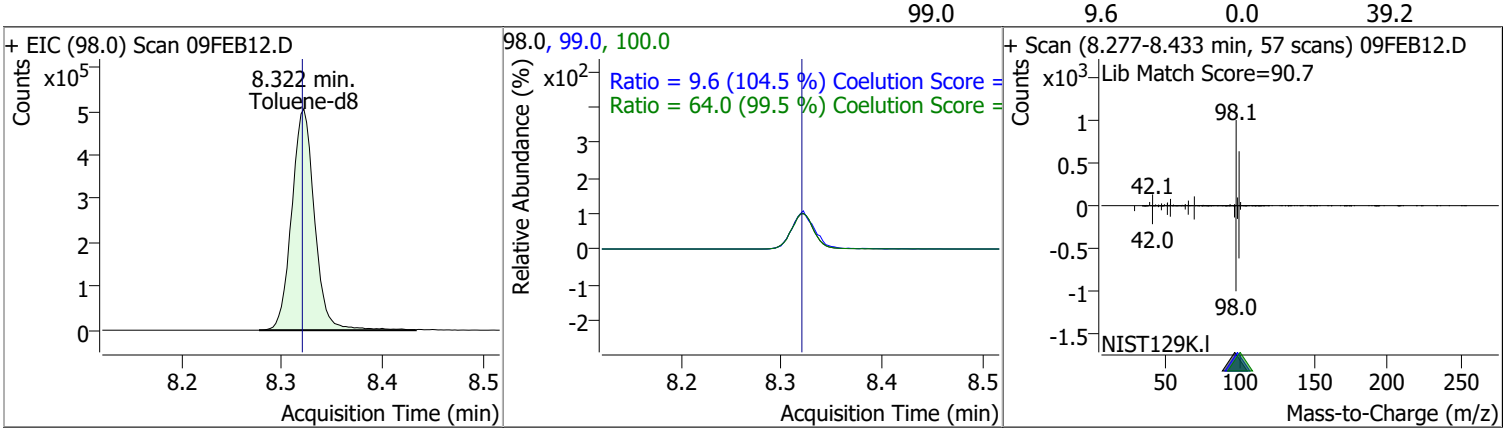
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8



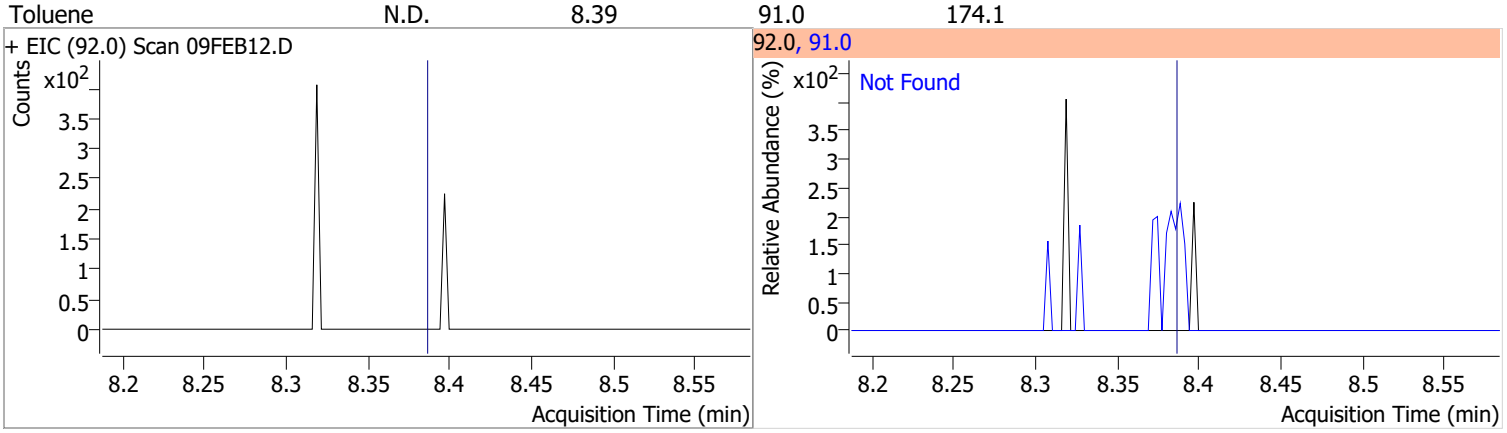


Quantitation Results Report (QT Reviewed)

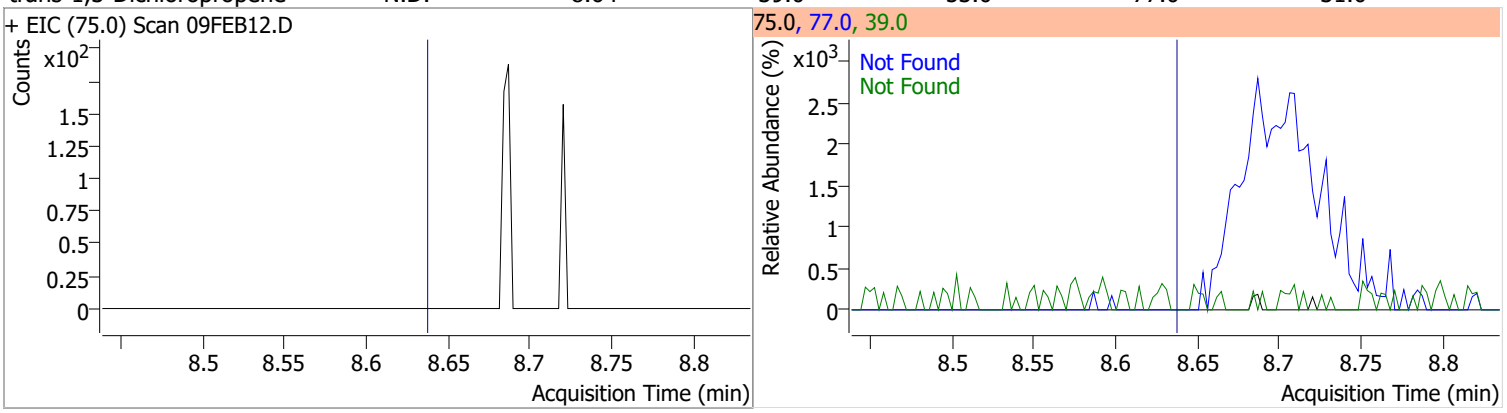
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	264.1256	8.32	0.00	797151	100.0	64.0	34.3	94.3
					99.0	9.6	0.0	39.2



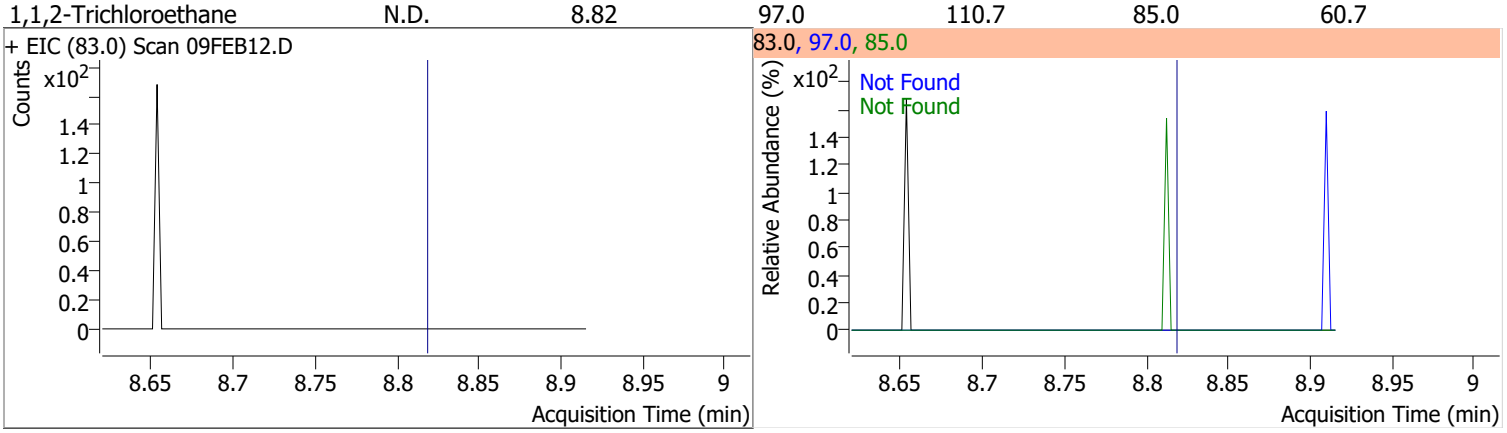
Compound	Conc.	Exp RT	QIon	Exp Ratio
Toluene	N.D.	8.39	91.0	174.1



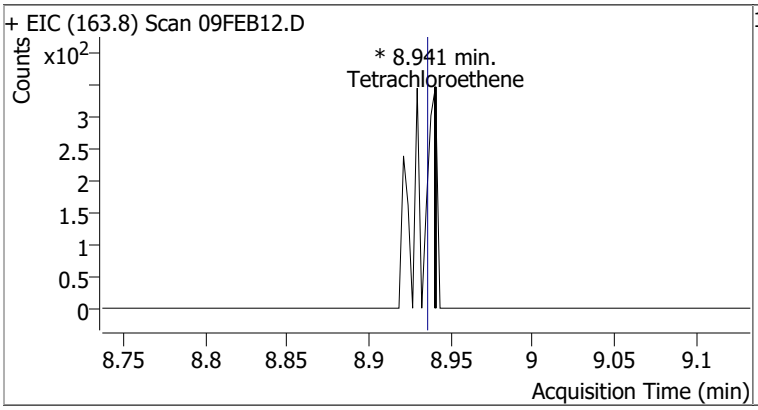
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0

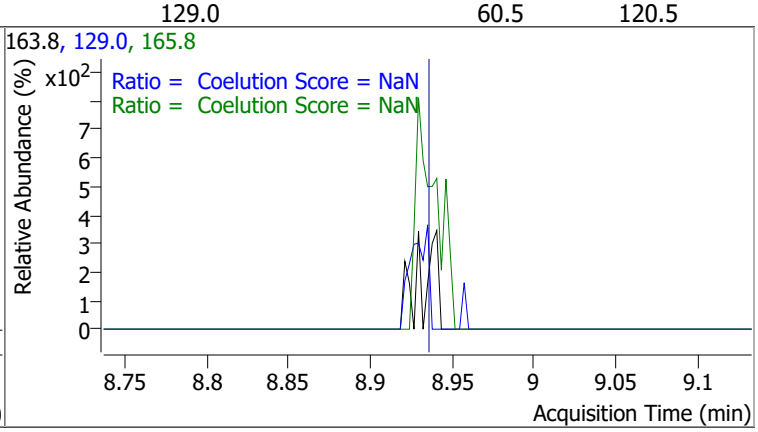


Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7

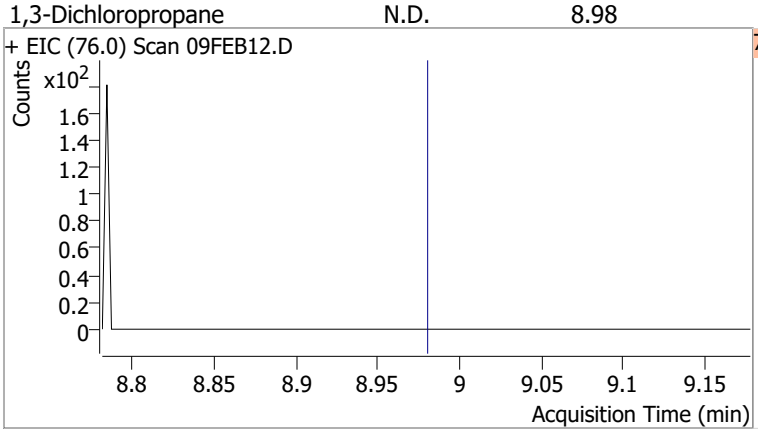


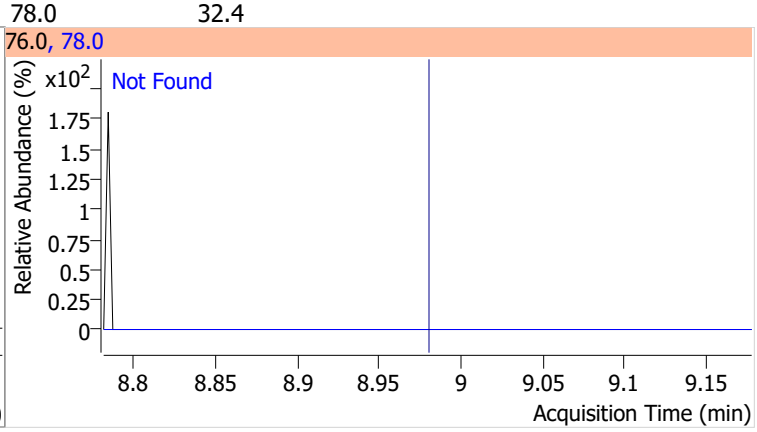
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene		0		0	165.8		96.1	156.1
					129.0		60.5	120.5



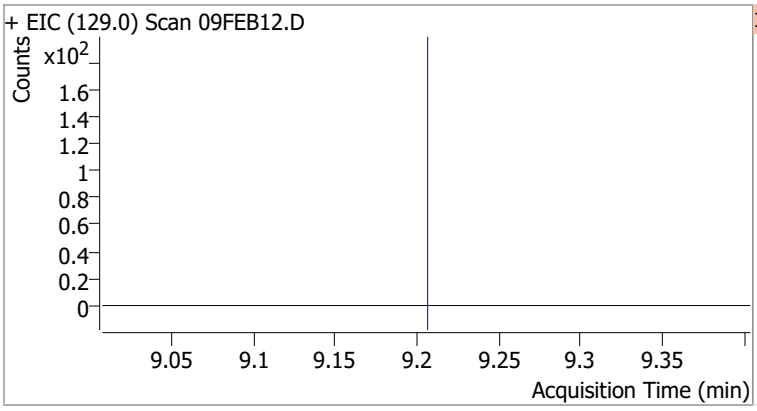


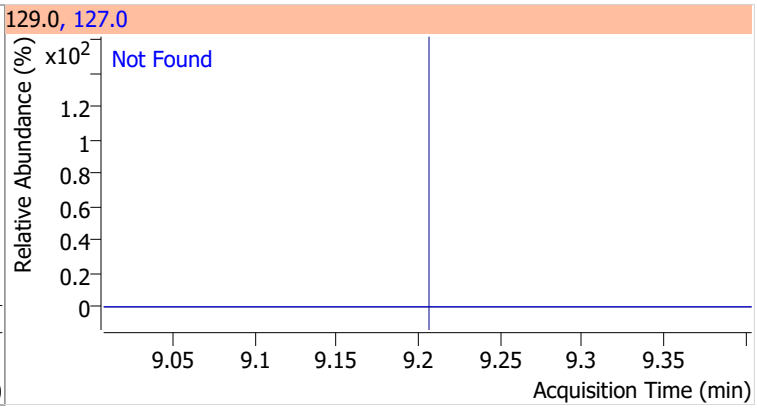
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



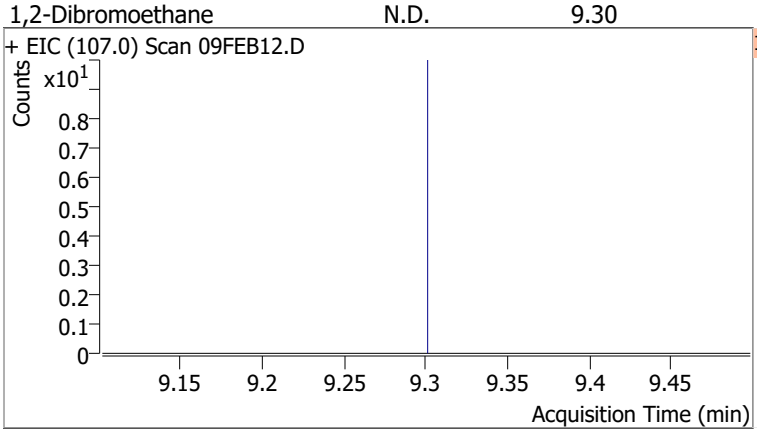


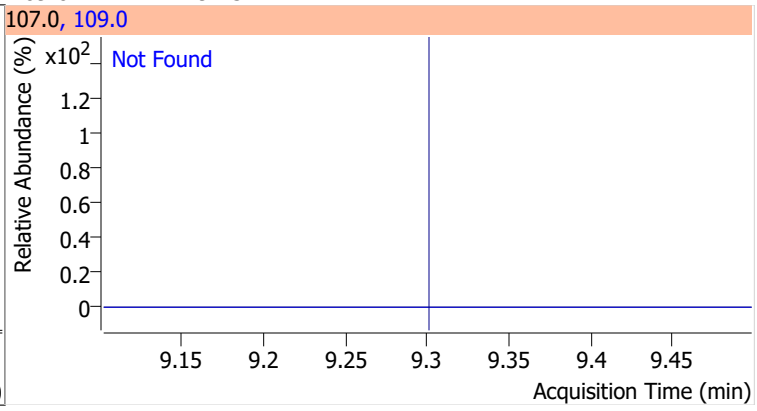
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



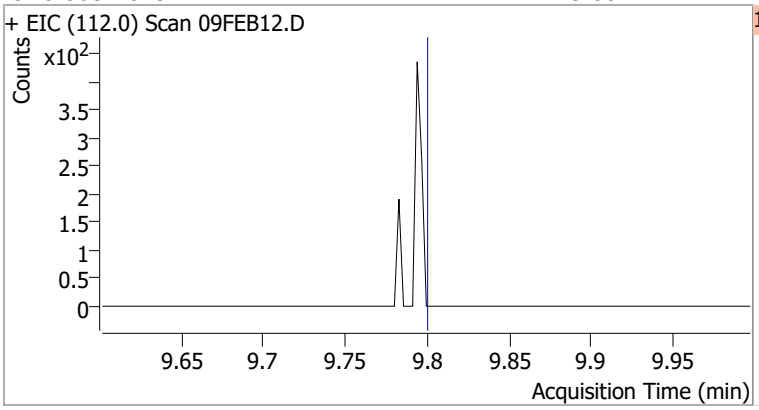


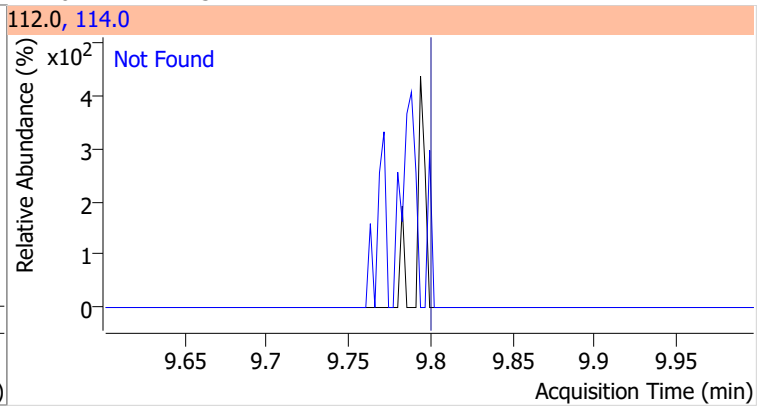
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



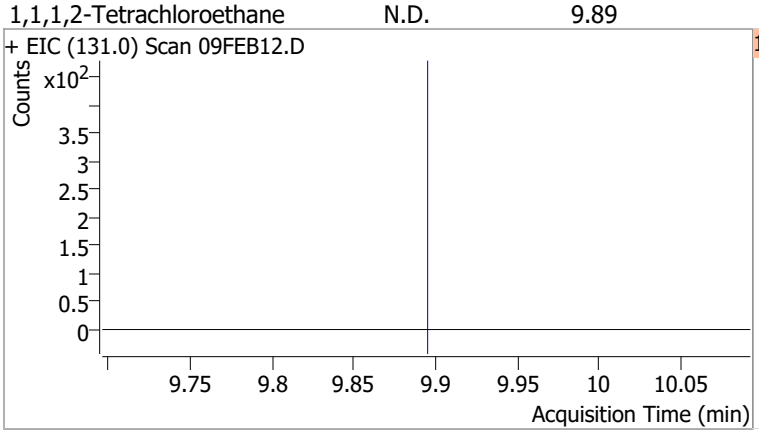


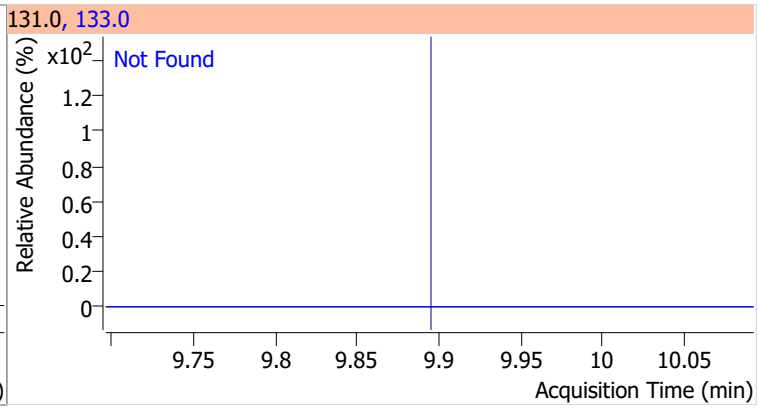
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



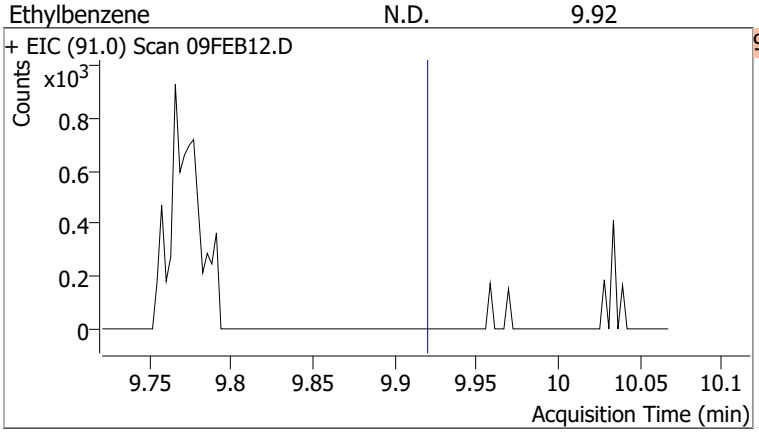


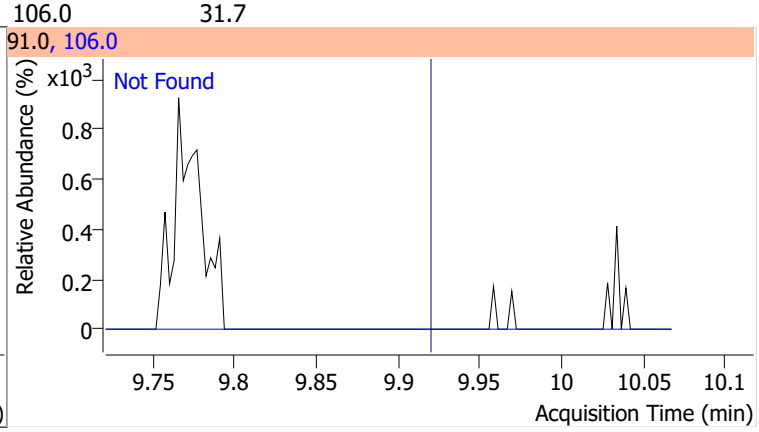
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



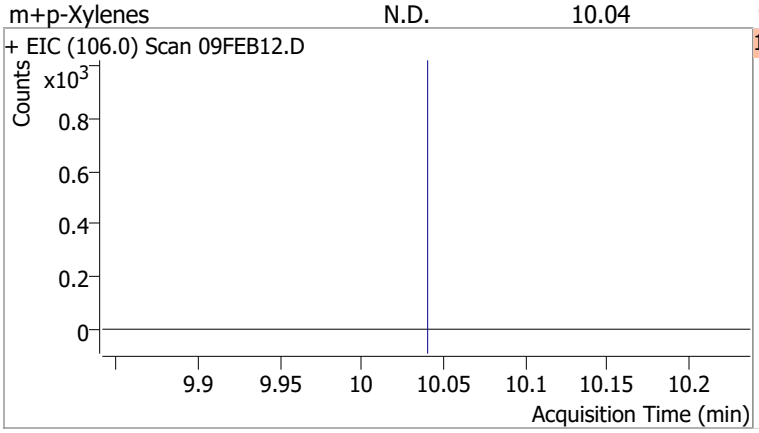


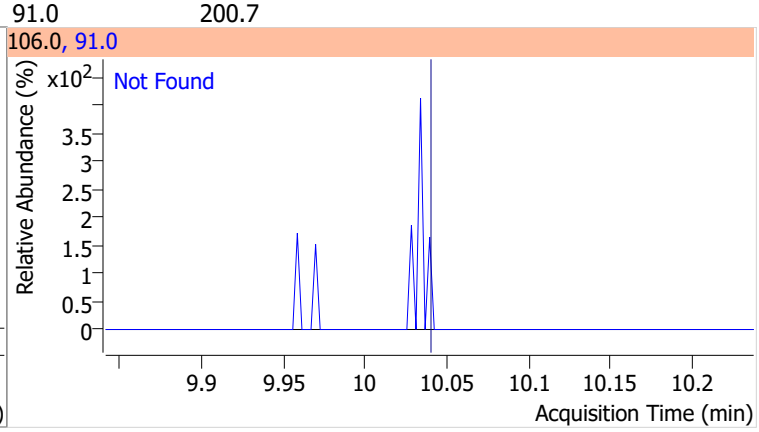
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



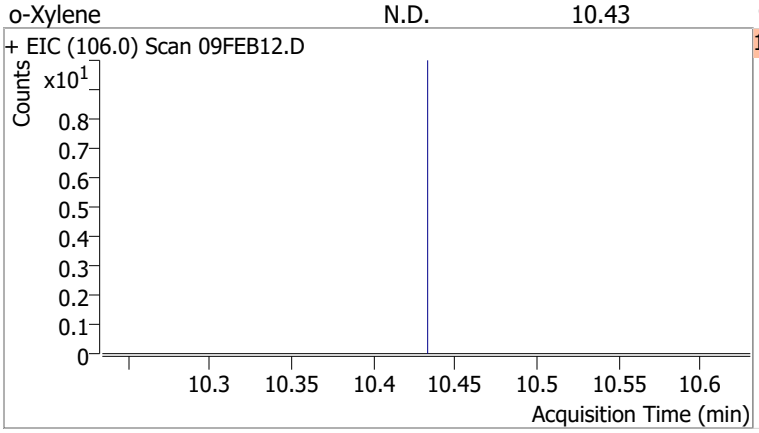


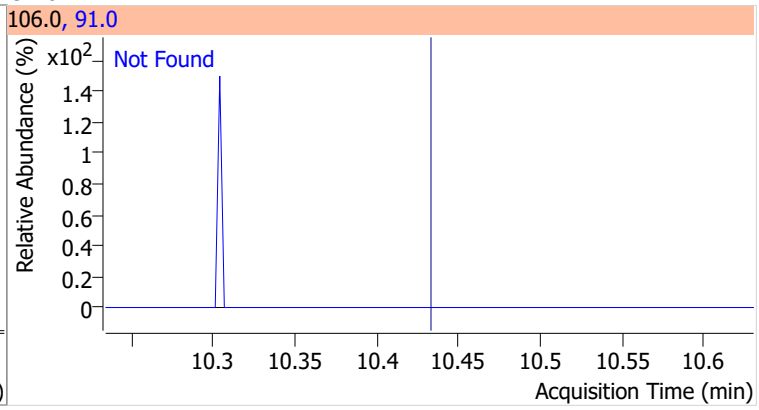
Compound	Conc.	Exp RT	QIon	Exp Ratio
m+p-Xylenes	N.D.	10.04	91.0	200.7



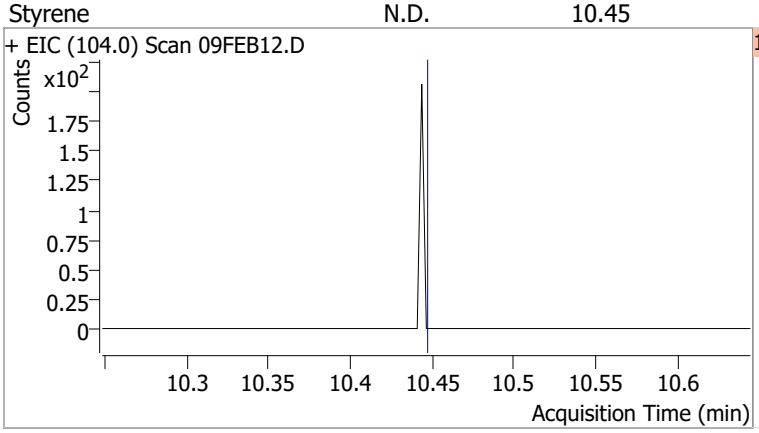


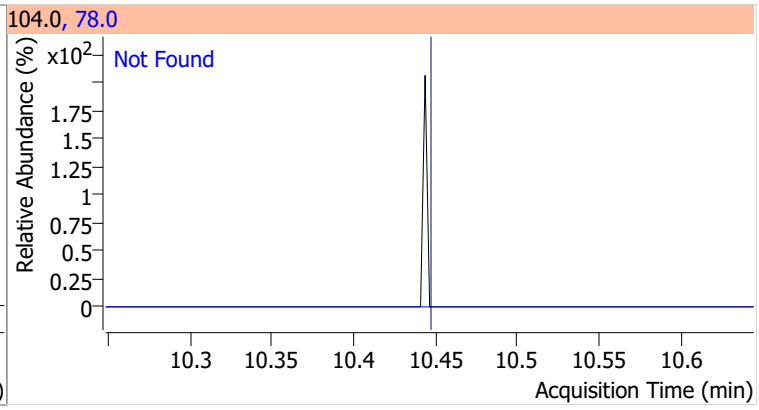
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



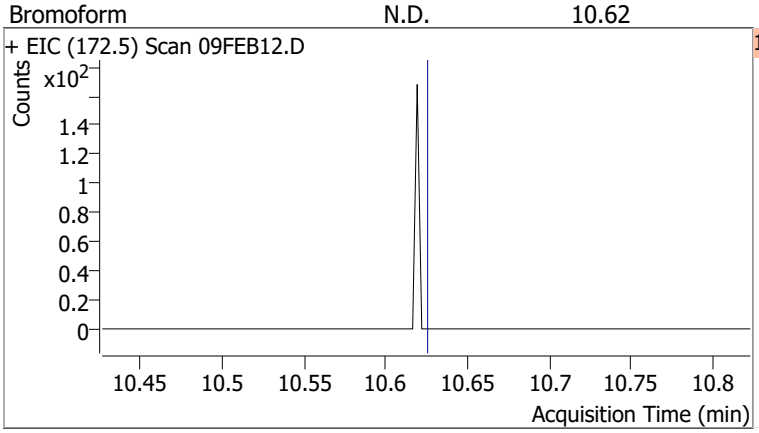


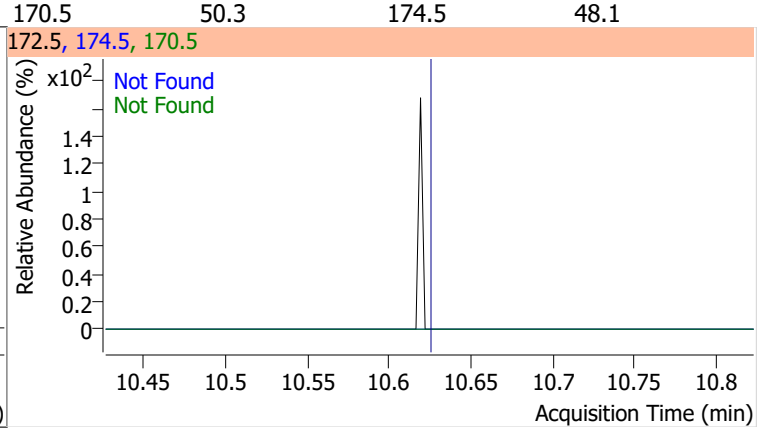
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



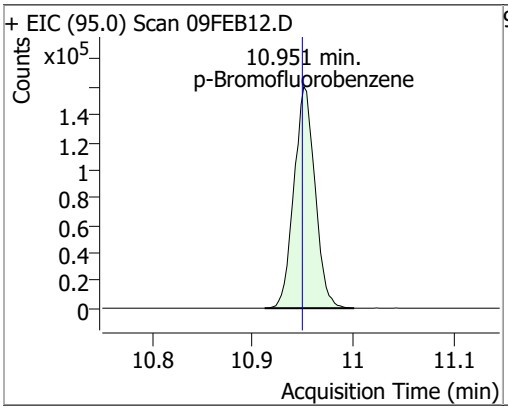


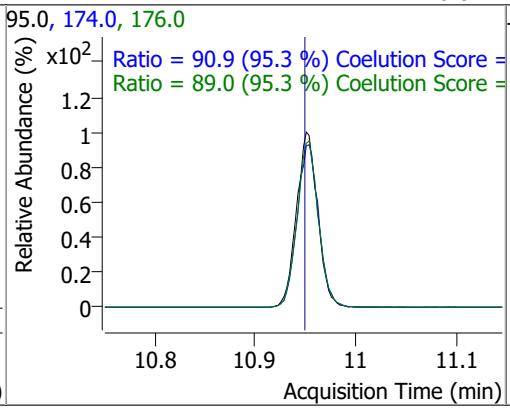
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

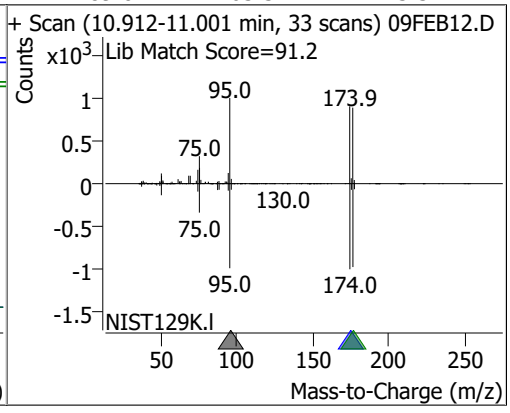




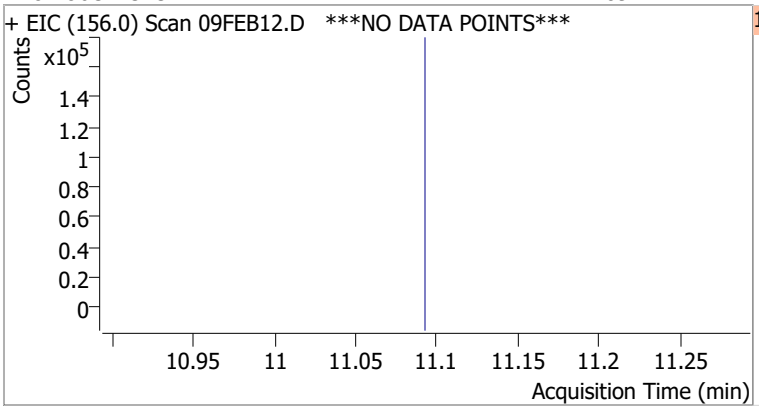
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	269.1912	10.95	0.00	233626	174.0	90.9	65.3	125.3
					176.0	89.0	63.3	123.3

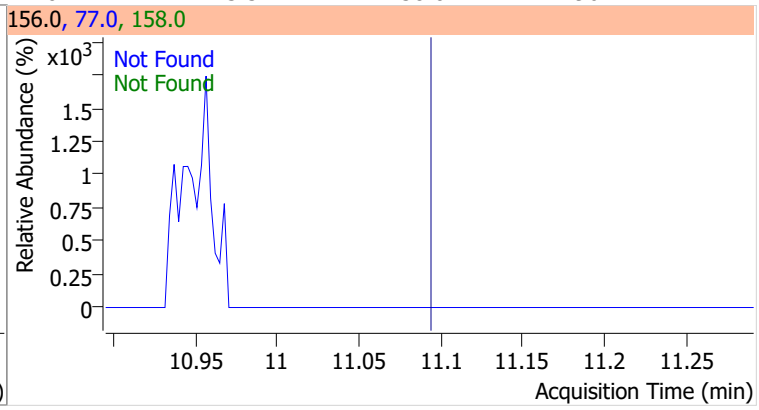




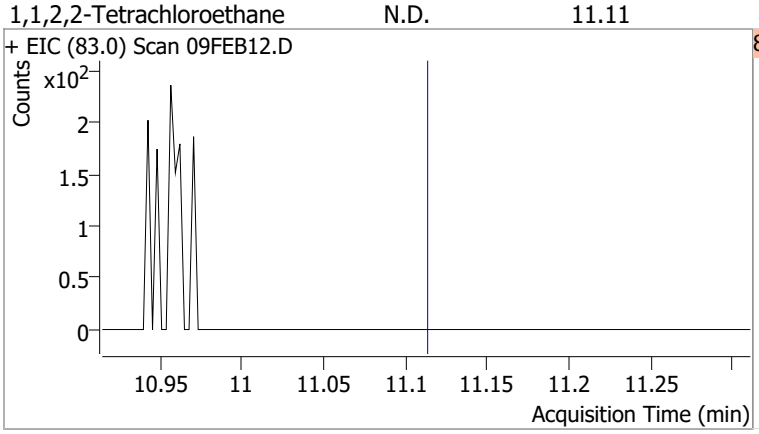


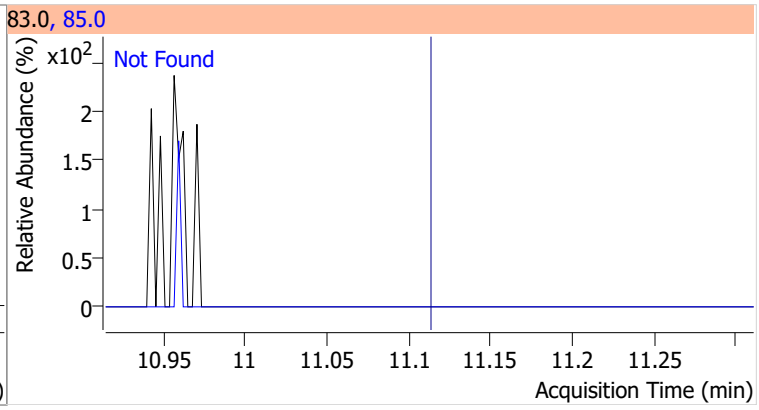
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



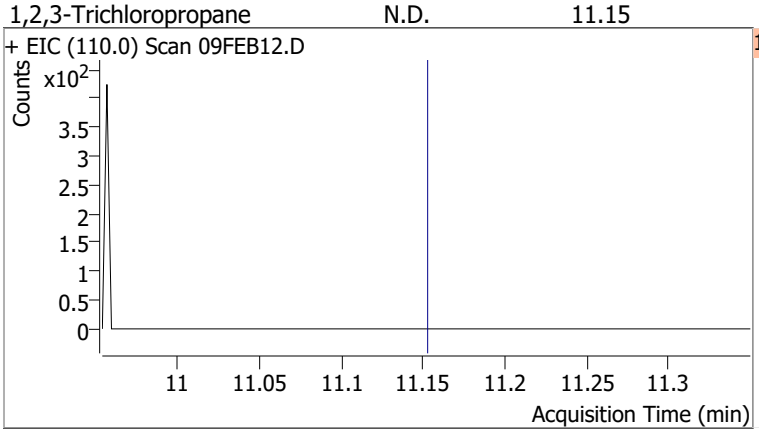


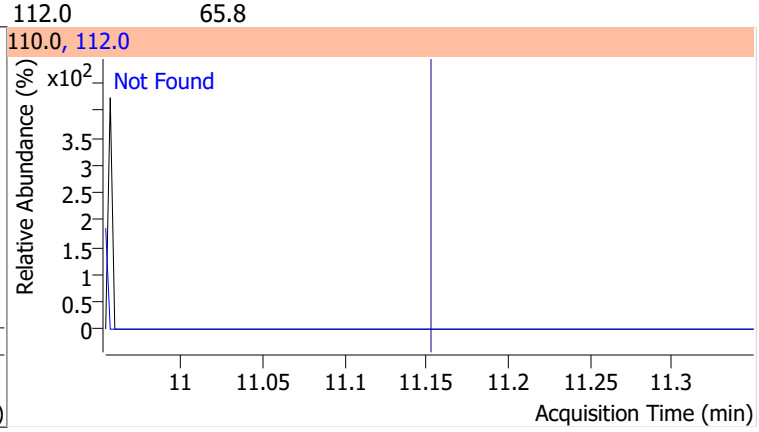
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



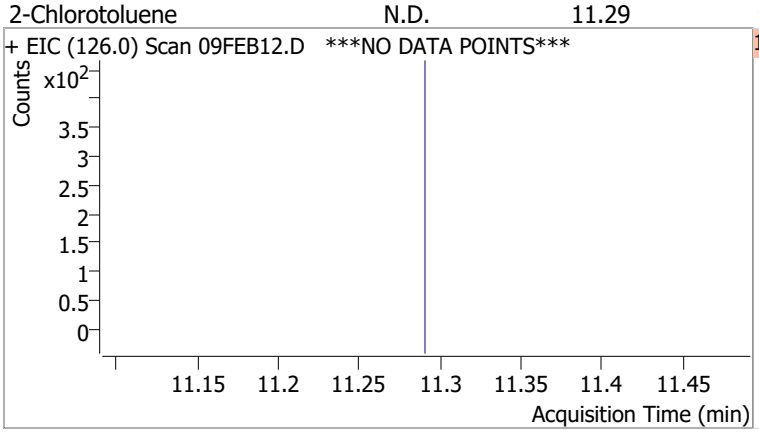


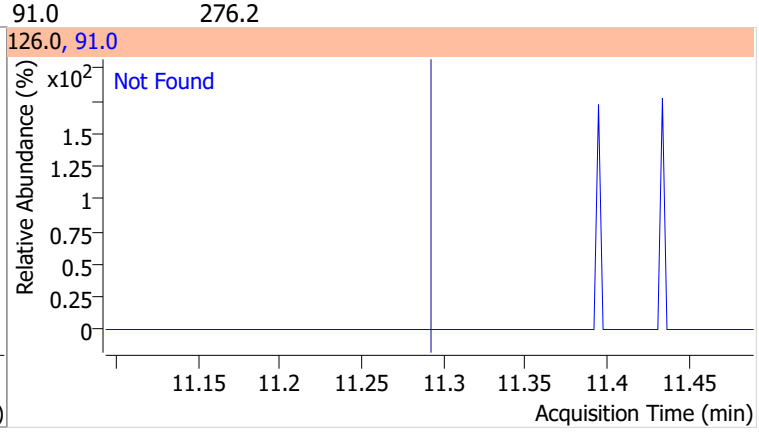
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



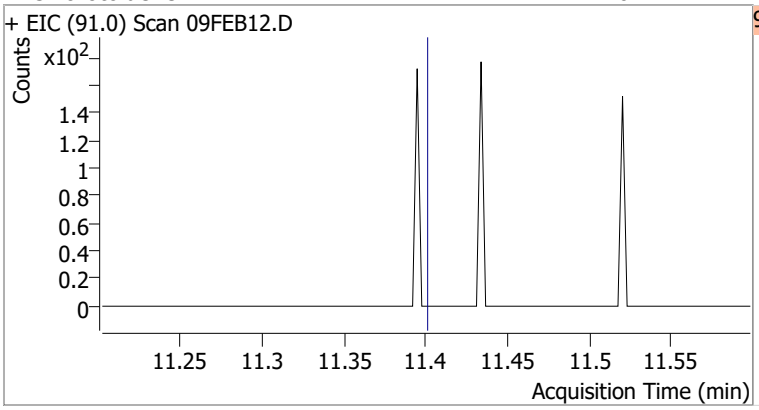


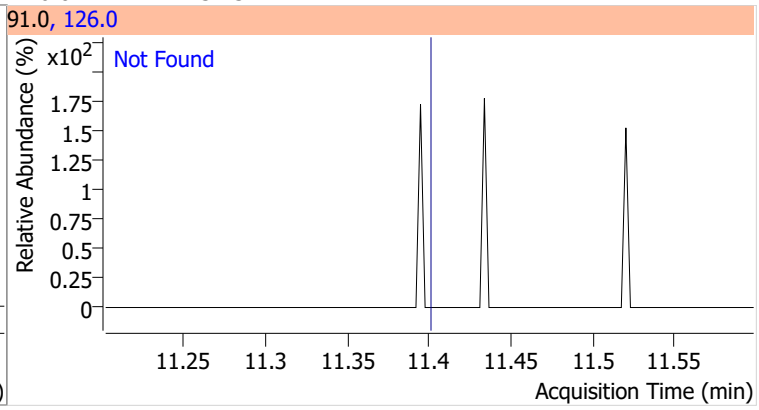
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



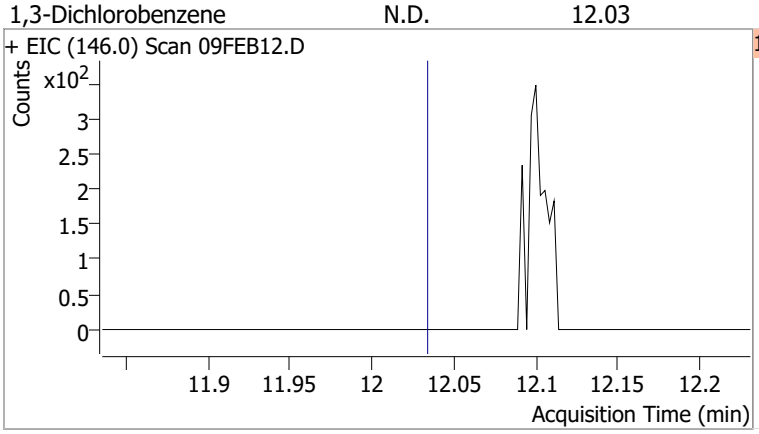


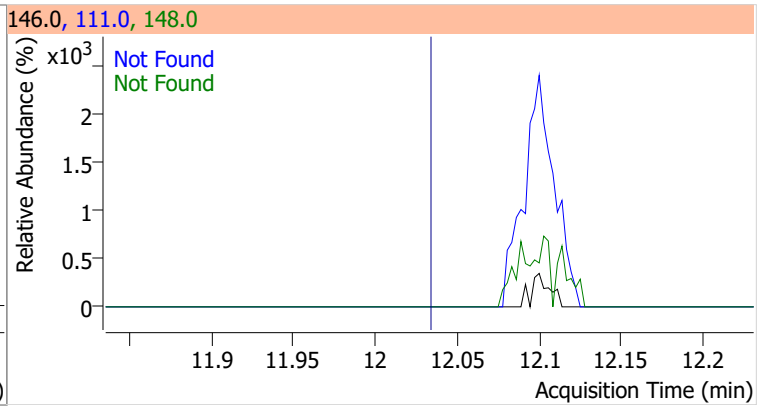
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



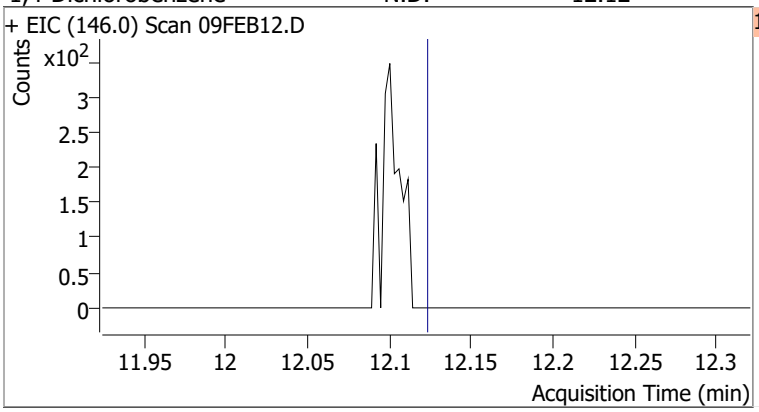


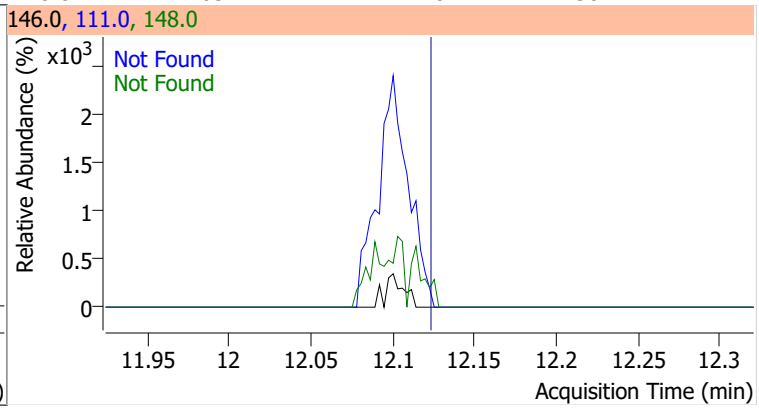
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



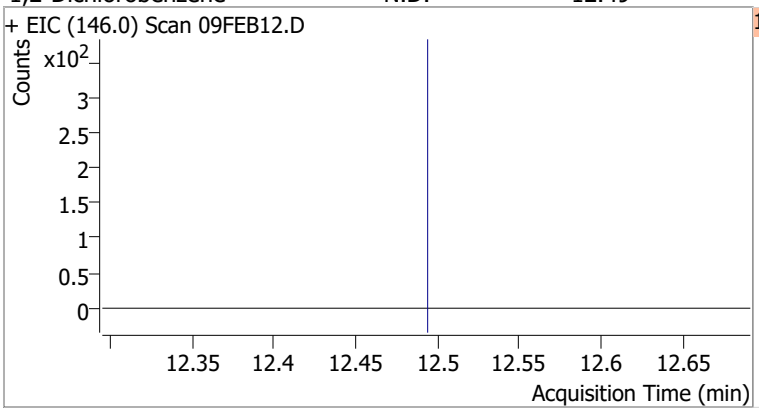


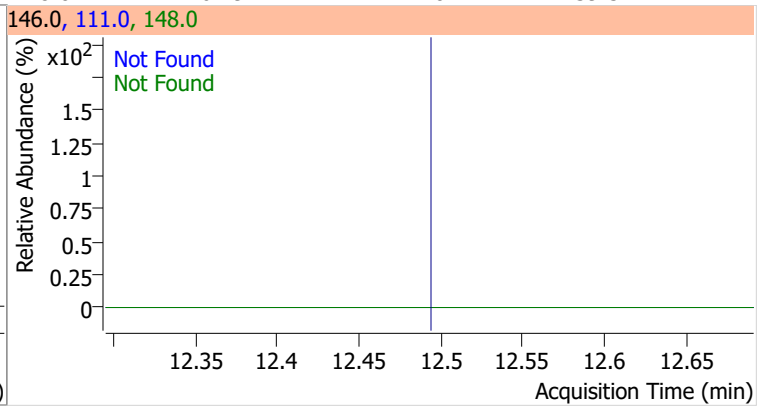
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





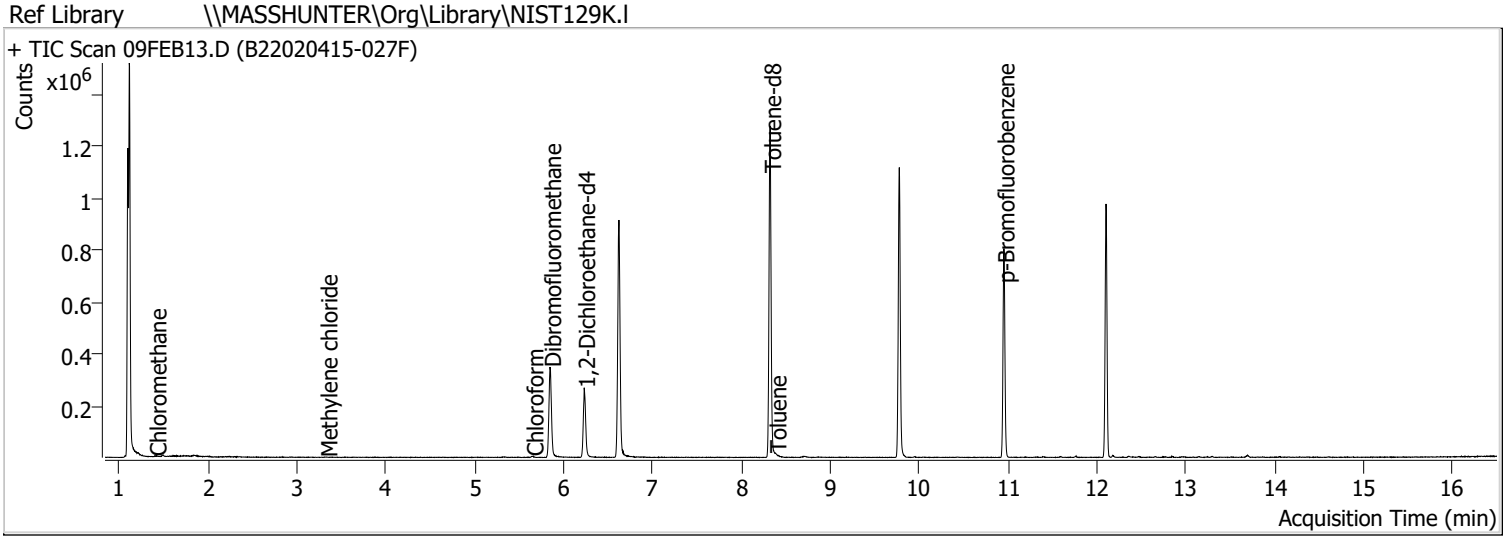
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB13.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 11:06:34 AM
Sample Name	B22020415-027F	Instrument	VOA5975C
Vial	13	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

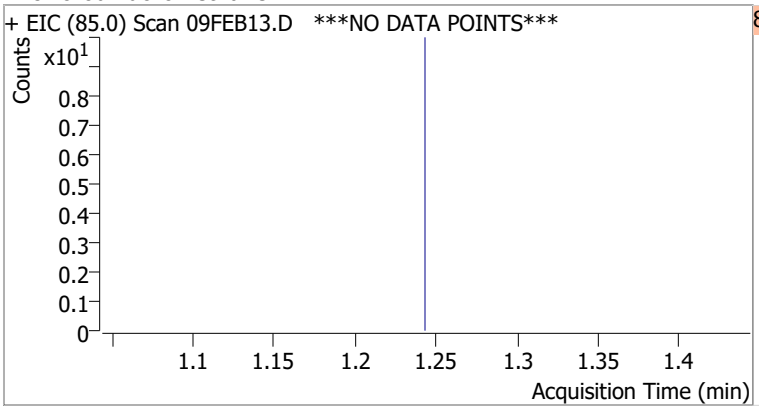


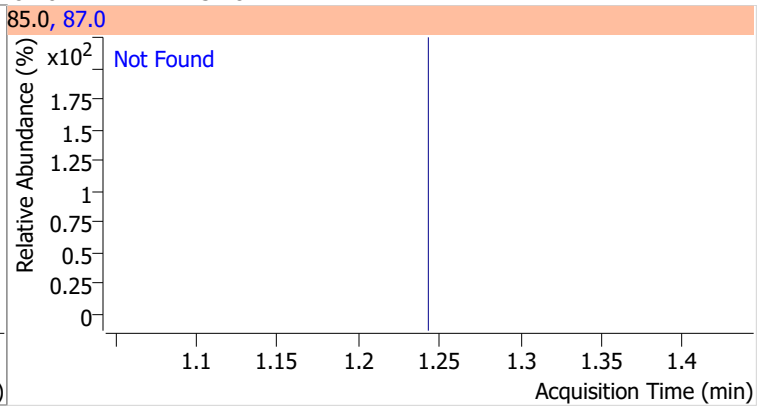
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	761036	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	305873	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	230353	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.845	113.0	201374	273.1881	ng		-0.006
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 109.28%			
S 1,2-Dichloroethane-d4	6.230	67.0	90174	283.1929	ng		0.000
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 113.28%			
S Toluene-d8	8.321	98.0	777277	260.4741	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 104.19%			
S p-Bromofluorobenzene	10.948	95.0	223820	263.1576	ng		0.000
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 105.26%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	1.408	50.0	2127	1.7655	ng		100
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.333	49.0	831	0.7471	ng	#m	51
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	5.650	83.0	3537	2.3946	ng		98

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	8.383	92.0	1789	0.8995	ng	m	88
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	10.045	106.0	0		ng	md	1
T o-Xylene	10.432	106.0	0		ng	md	1
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

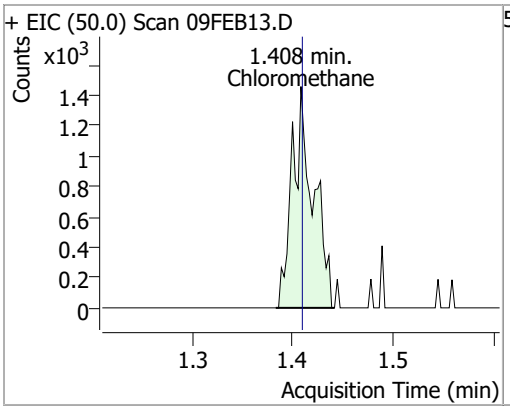
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

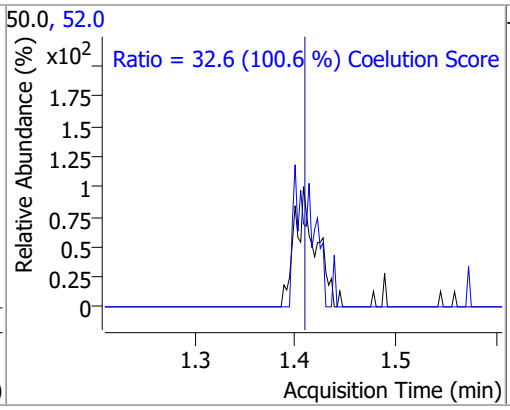
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8

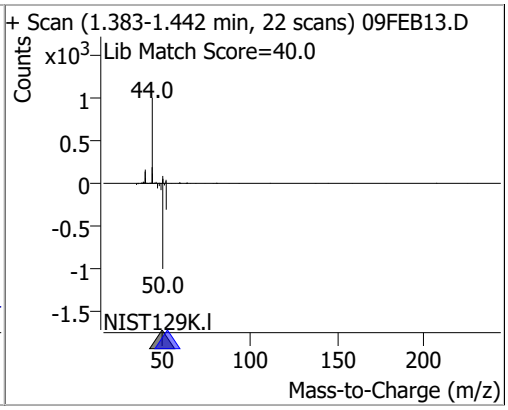




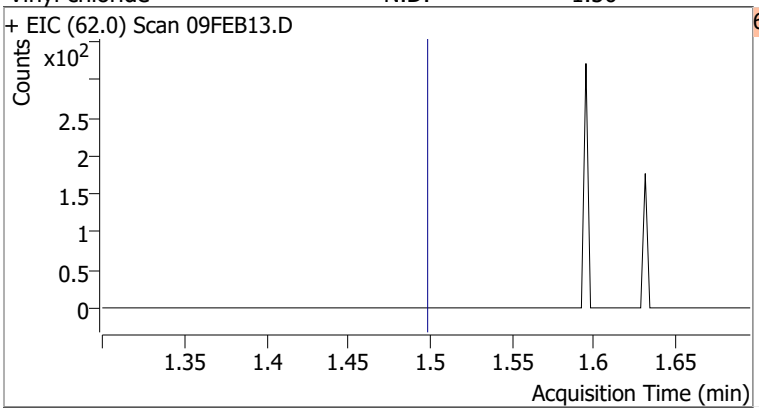
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	1.7655	1.41	0.00	2127	52.0	32.6	2.4	62.4

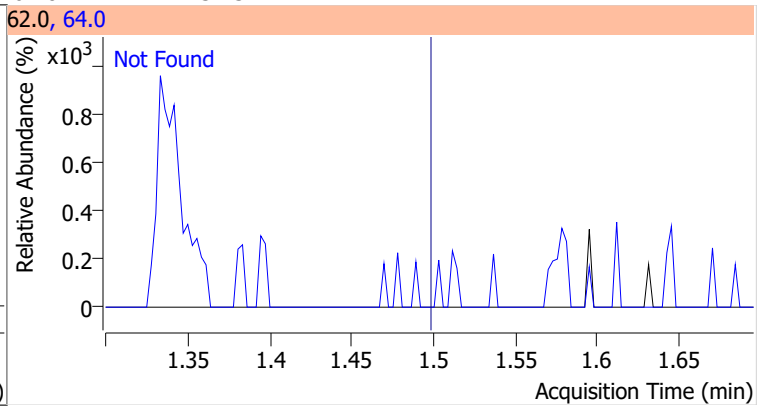




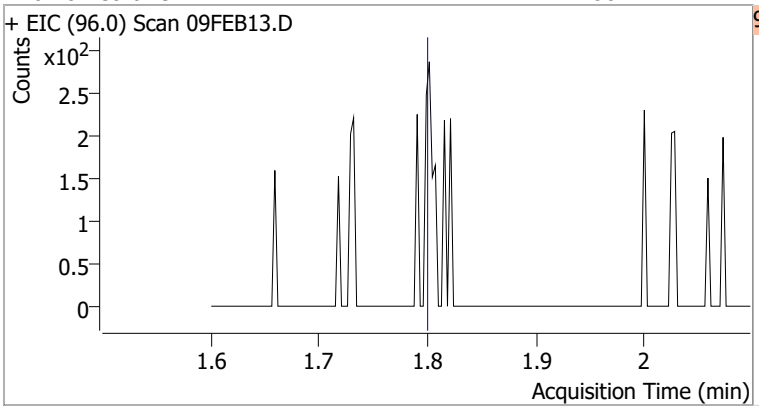


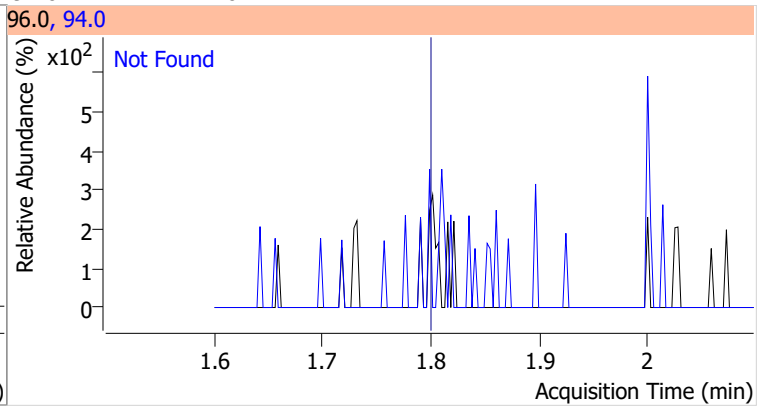
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



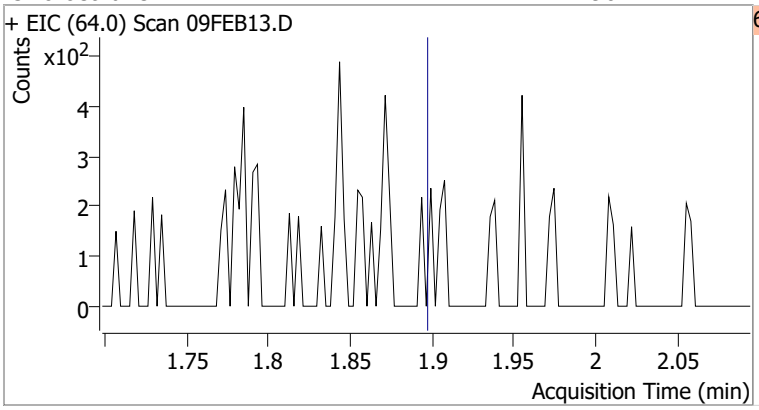


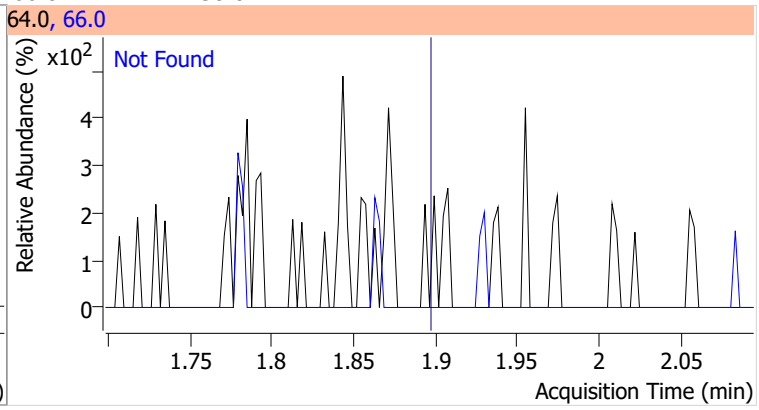
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



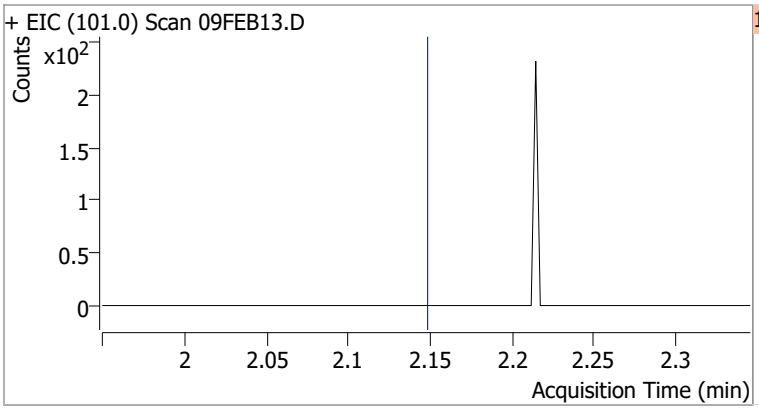


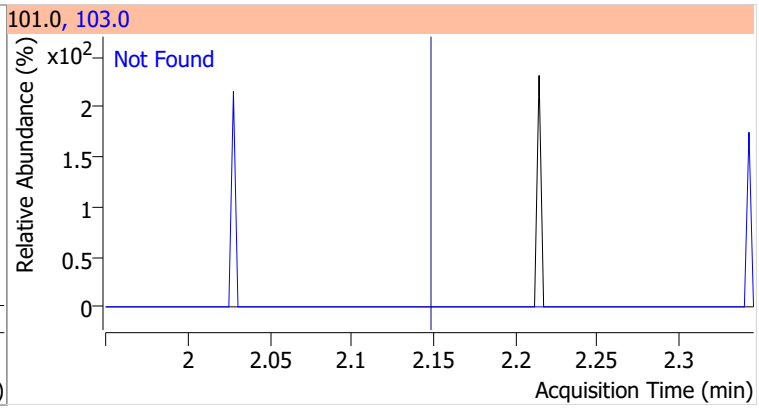
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



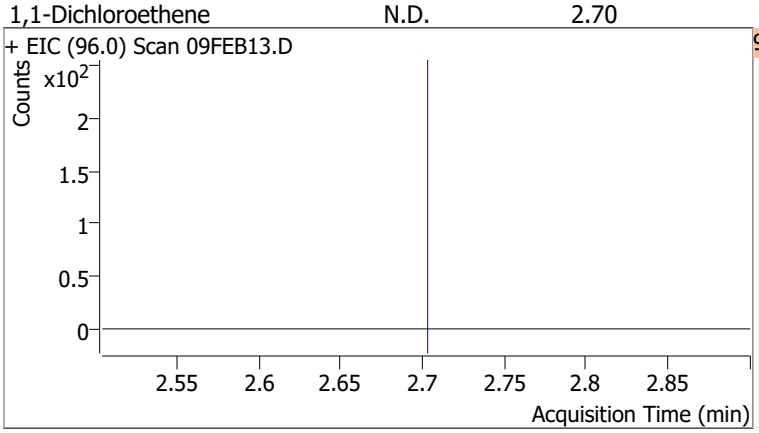


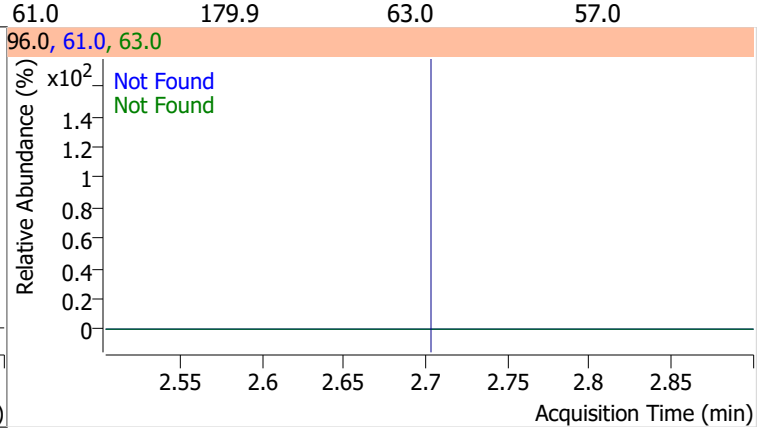
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



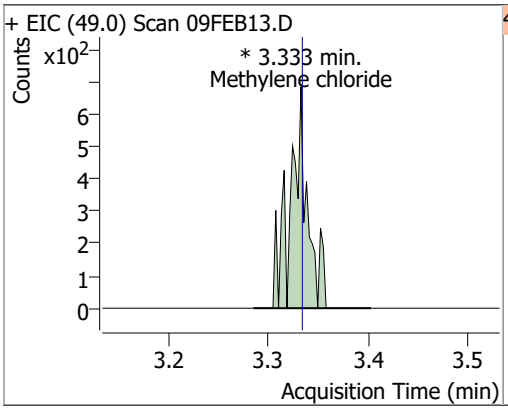


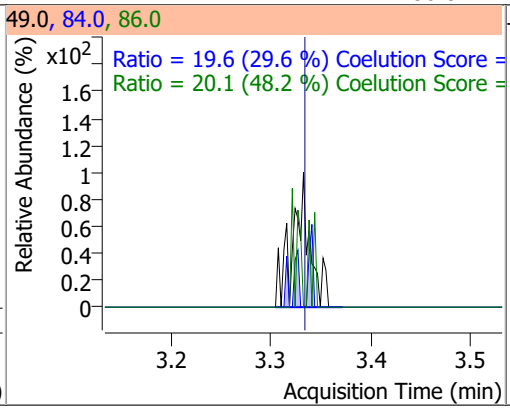
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

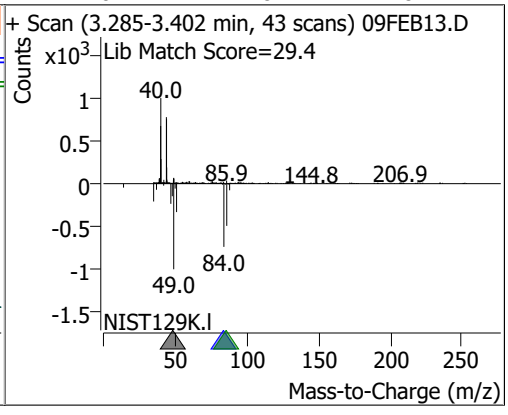




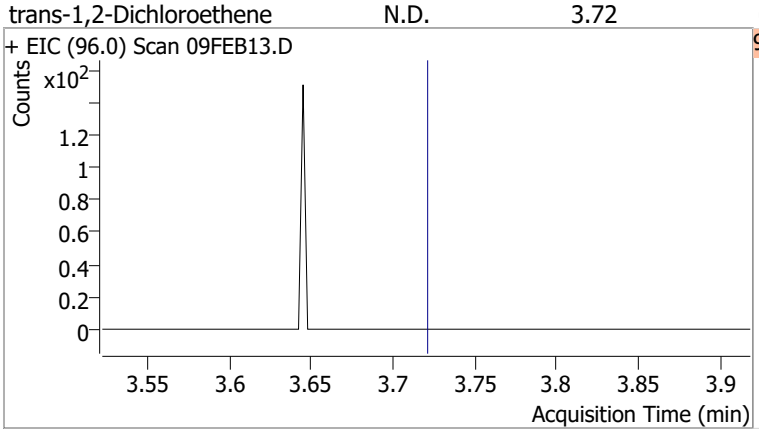
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	0.7471	3.33	0.00	831 (m)	84.0	19.6	36.1	96.1
					86.0	20.1	11.8	71.8

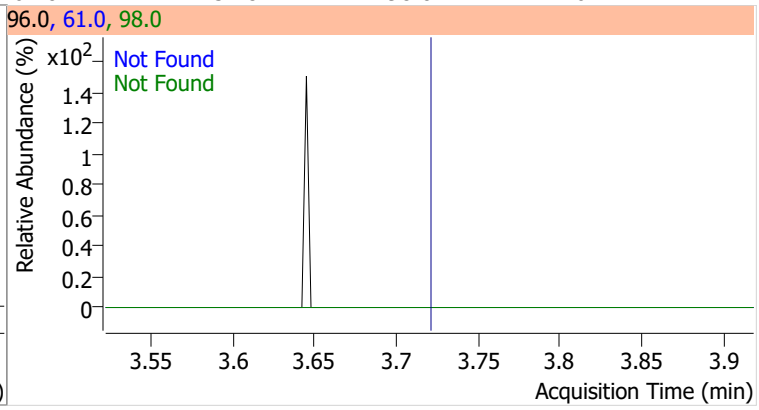




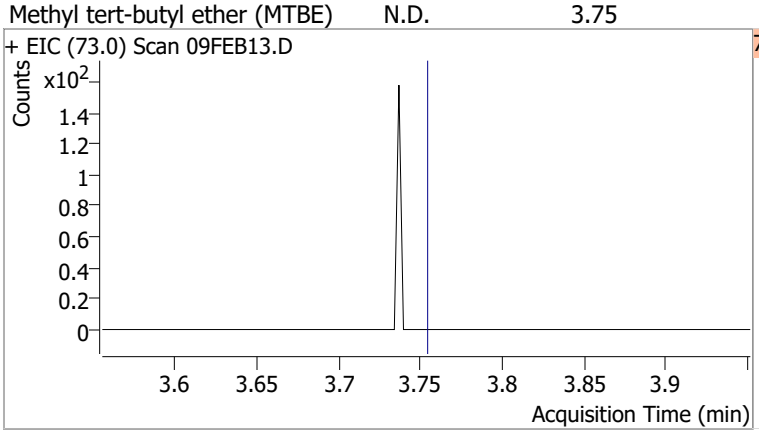


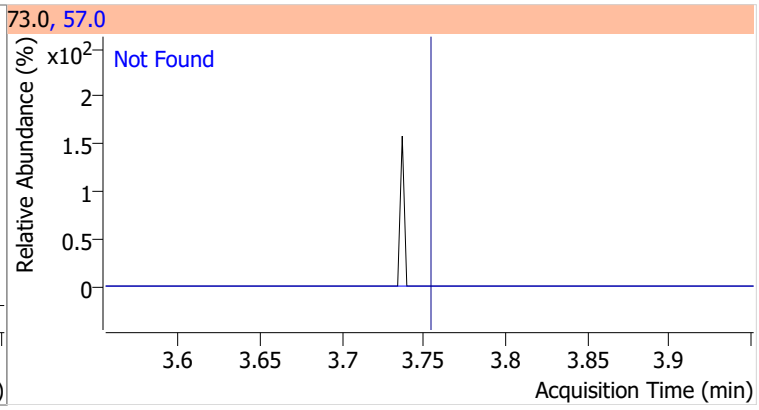
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



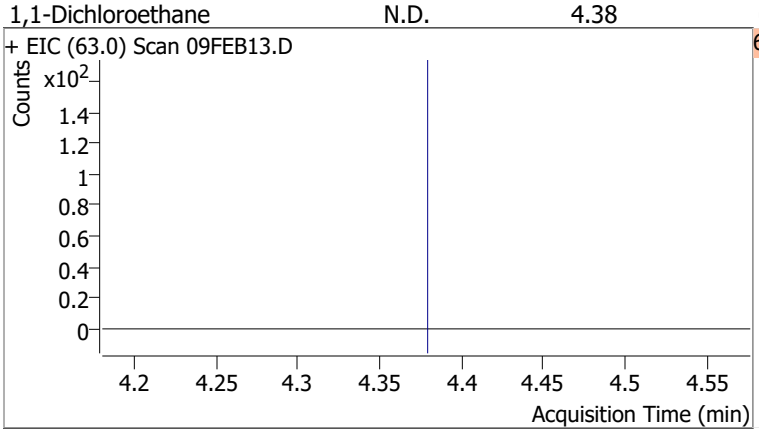


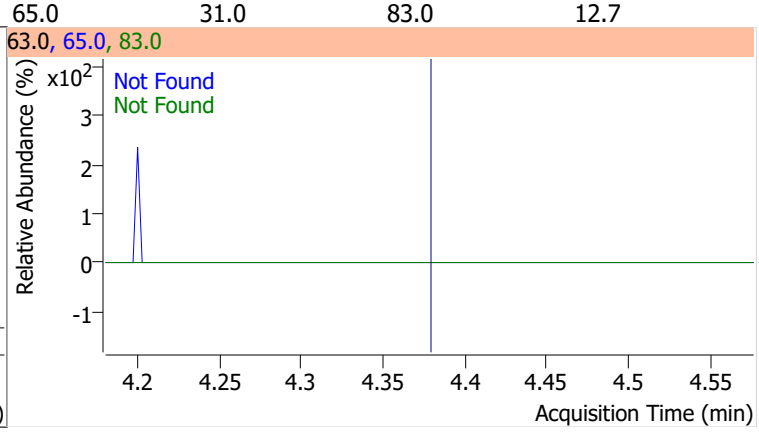
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



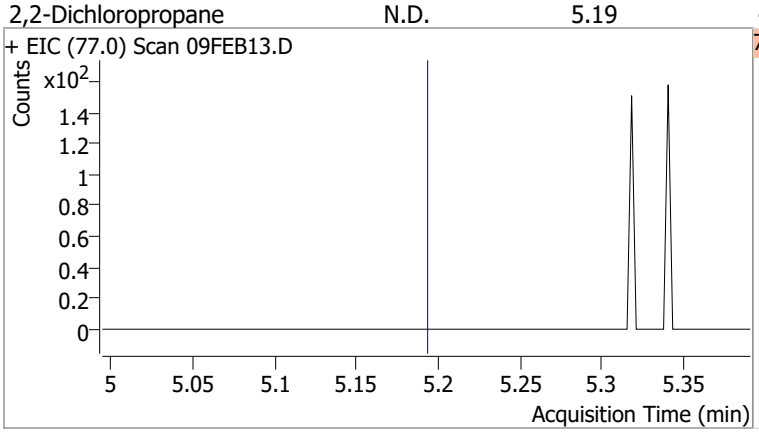


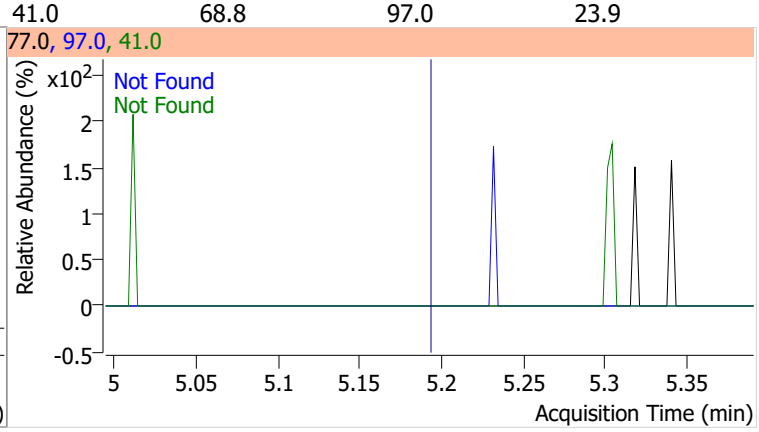
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



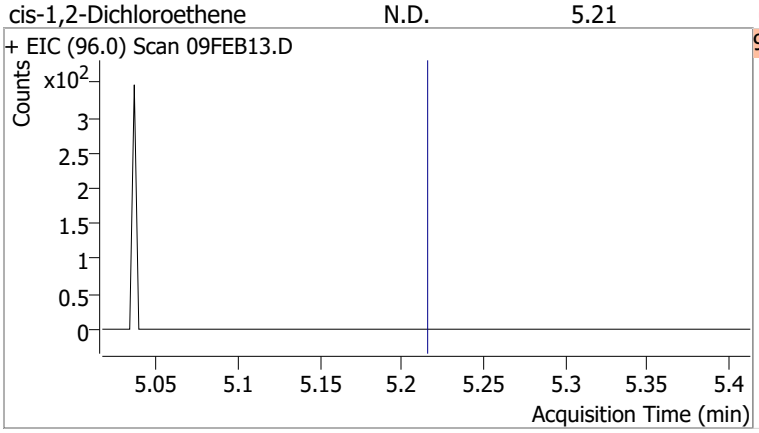


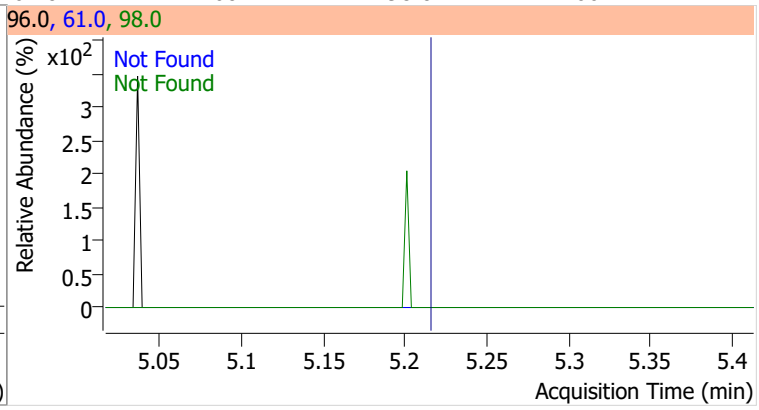
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



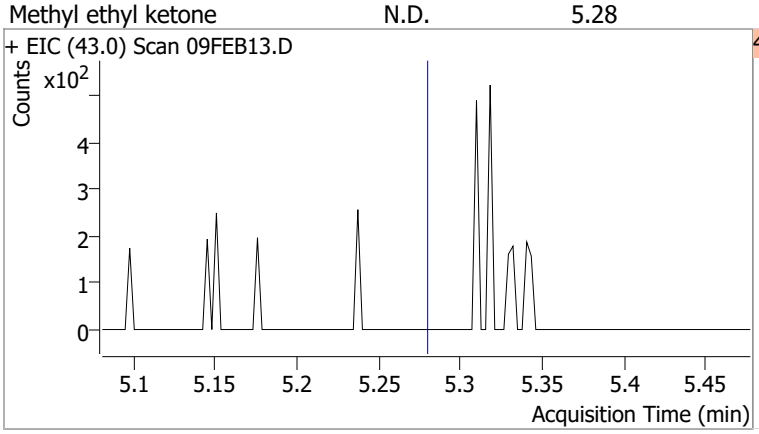


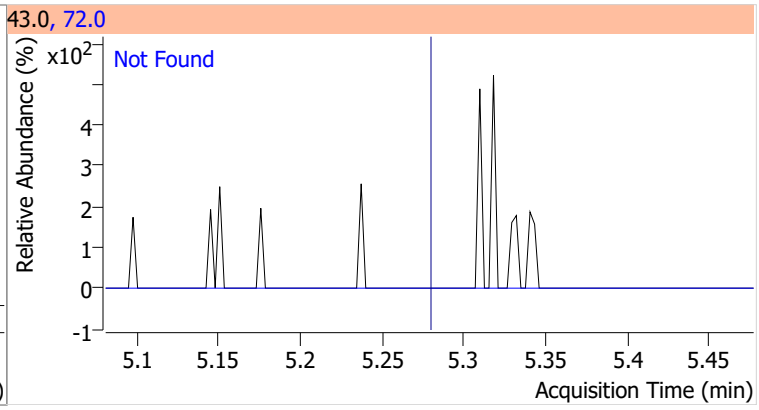
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



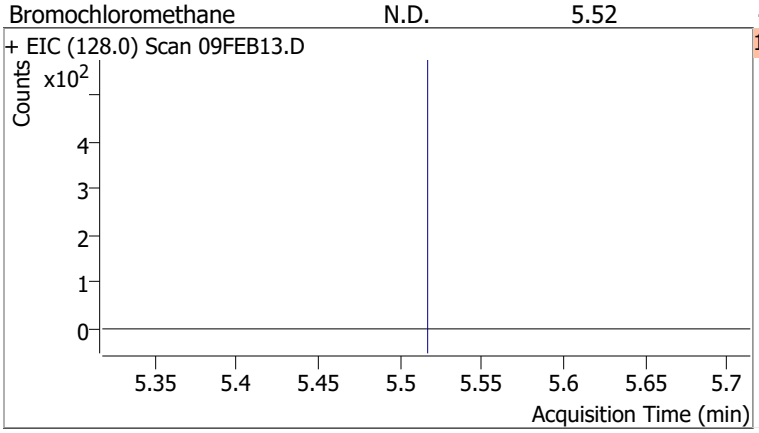


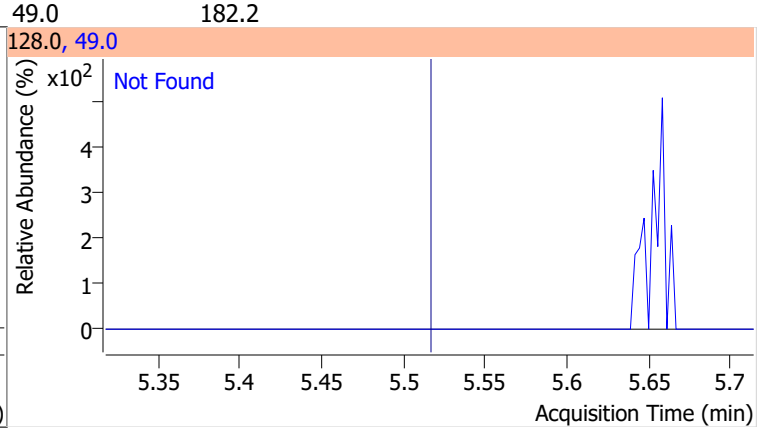
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



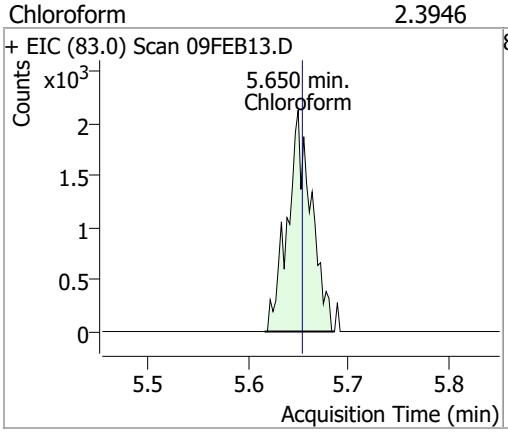


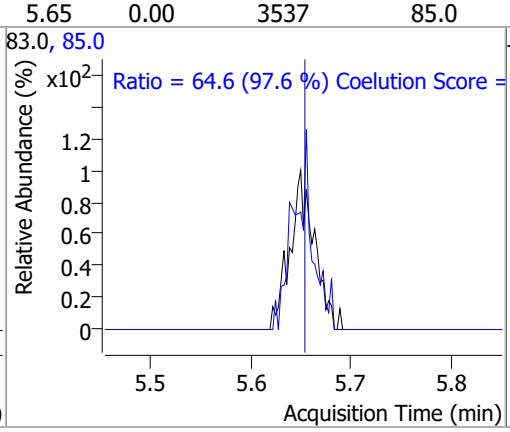
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2

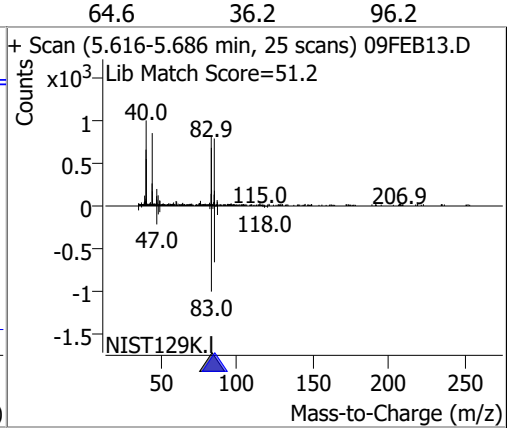




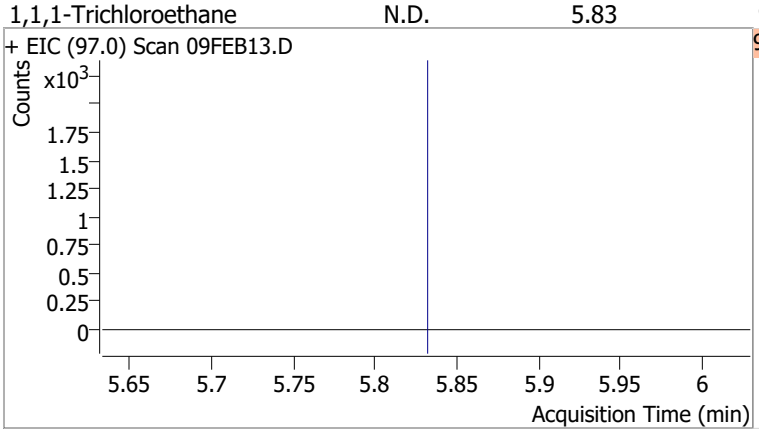
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	2.3946	5.65	0.00	3537	85.0	64.6	36.2	96.2

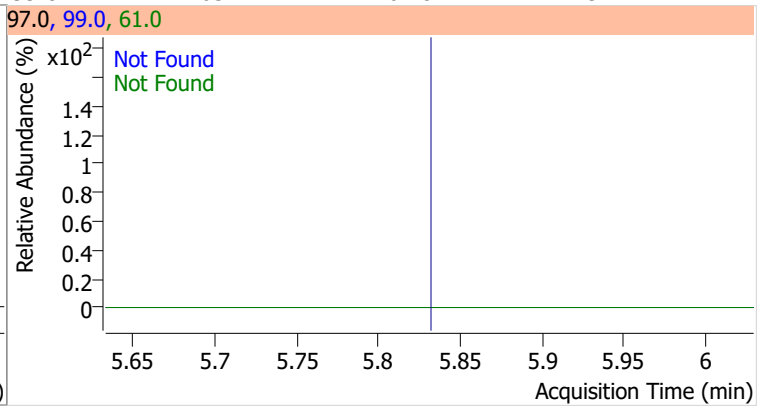




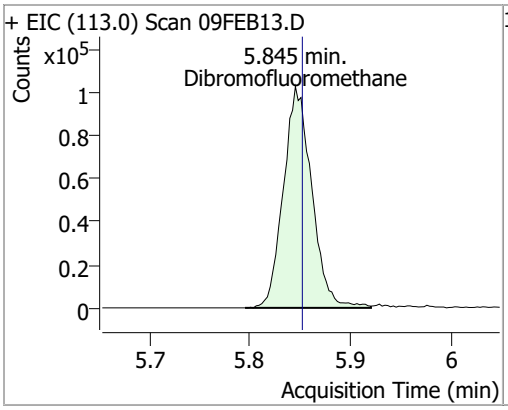


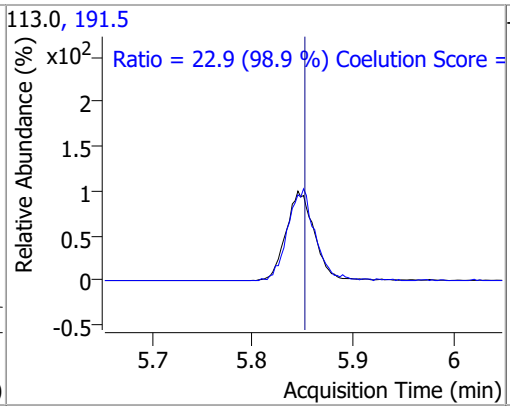
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

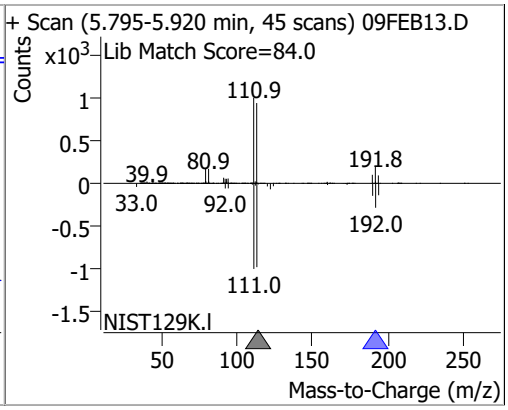




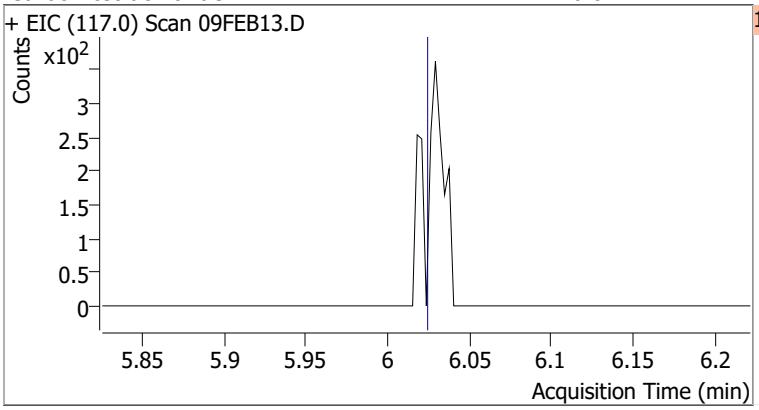
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	273.1881	5.85	-0.01	201374	191.5	22.9	0.0	53.2

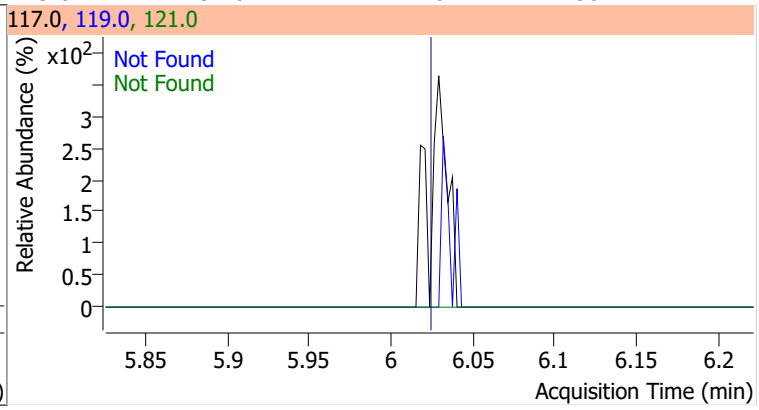




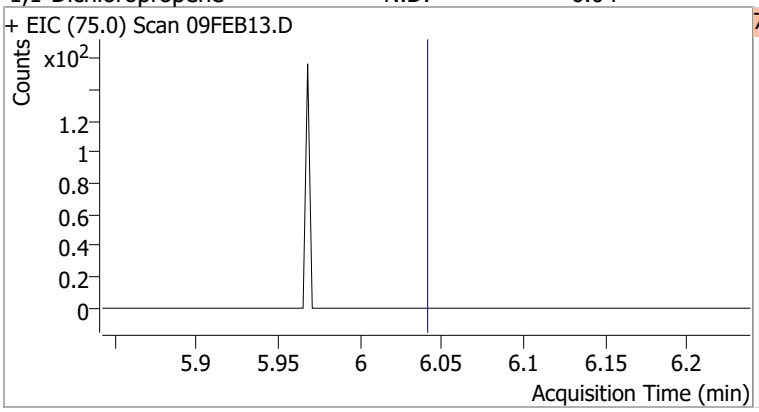


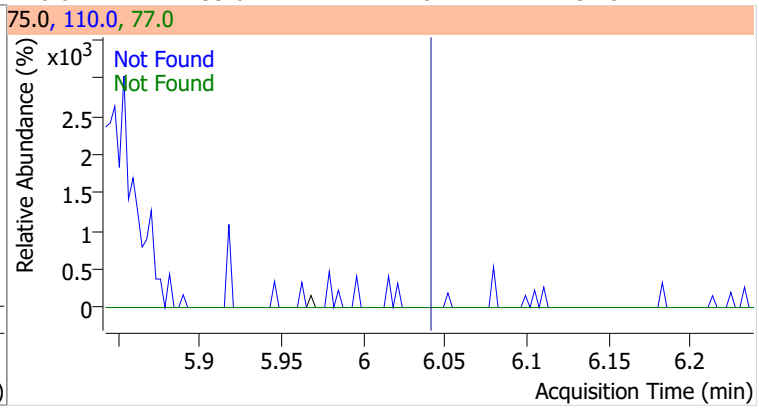
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7





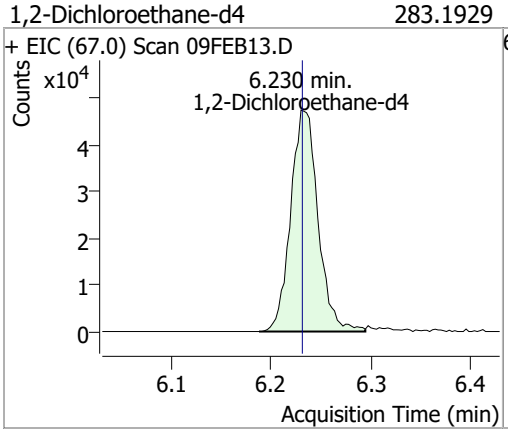
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

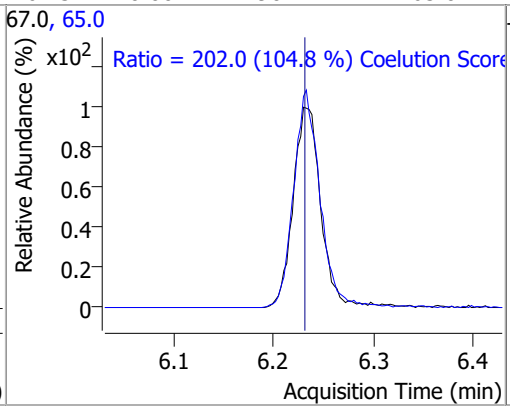


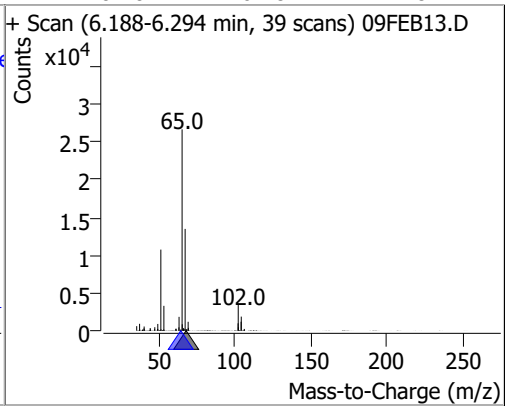


Quantitation Results Report (QT Reviewed)

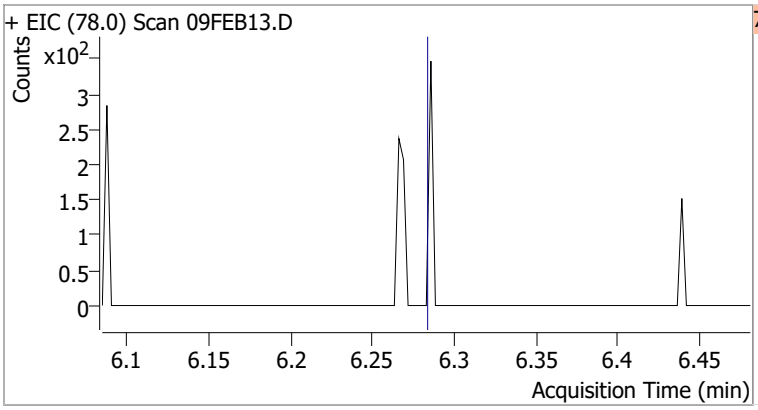
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	283.1929	6.23	0.00	90174	65.0	202.0	162.8	222.8

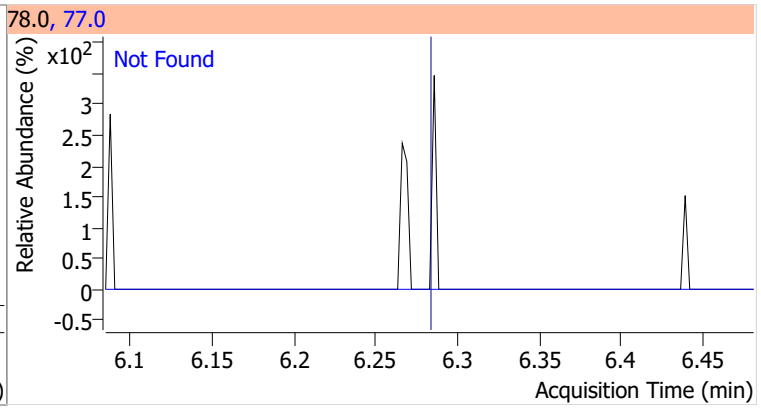




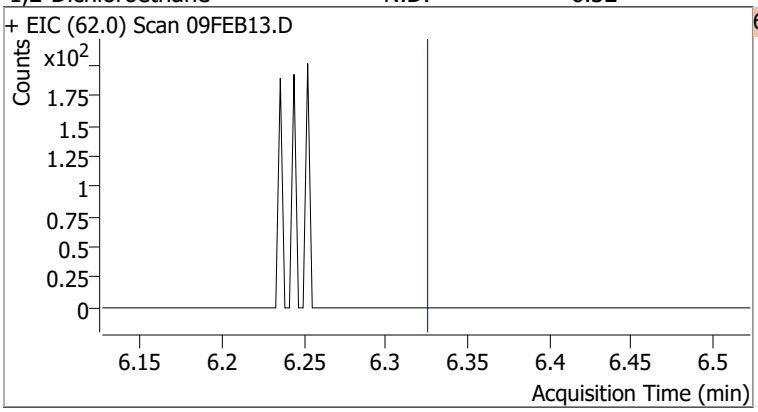


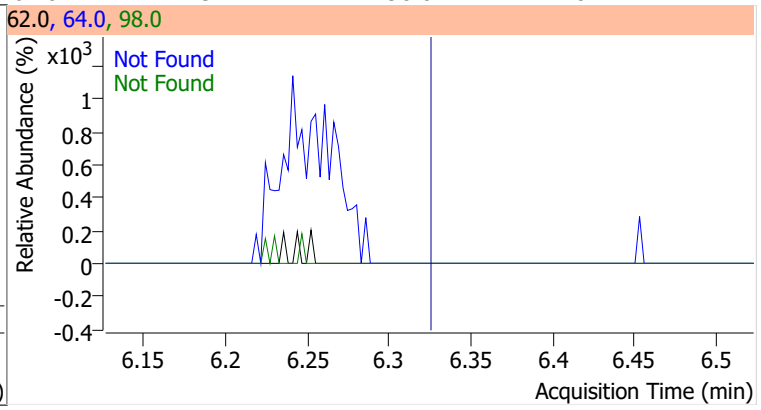
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



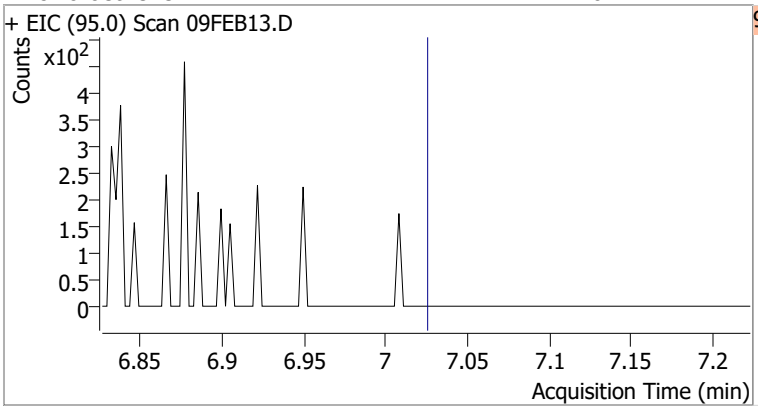


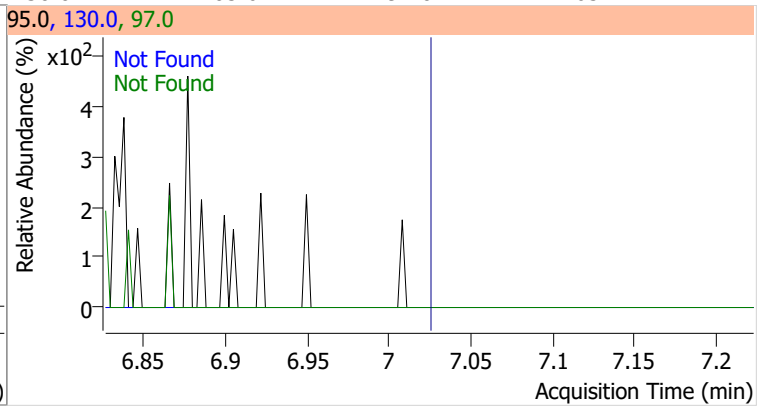
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



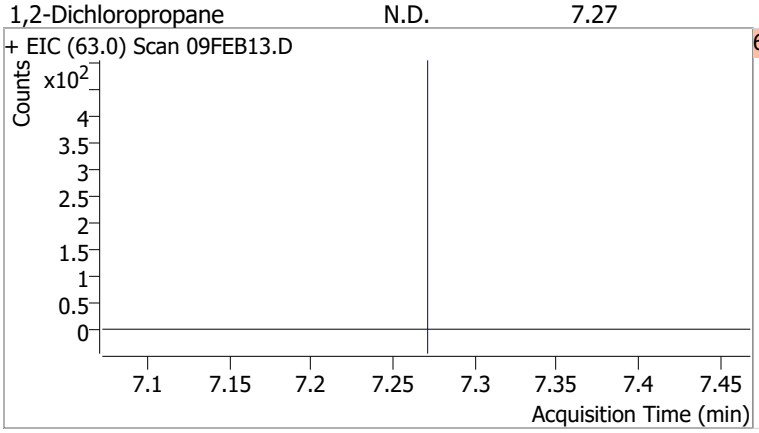


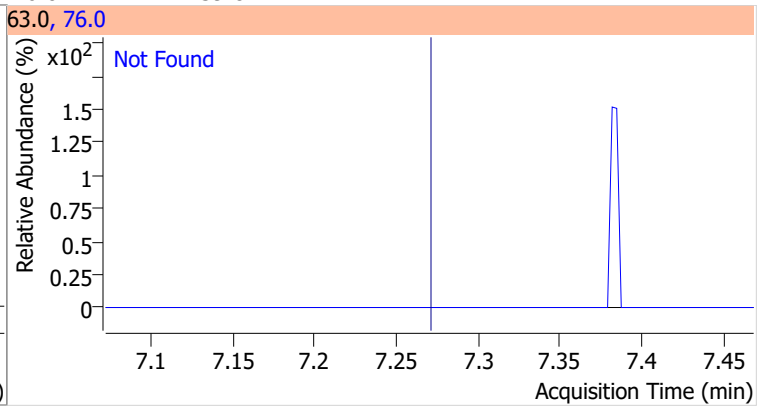
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



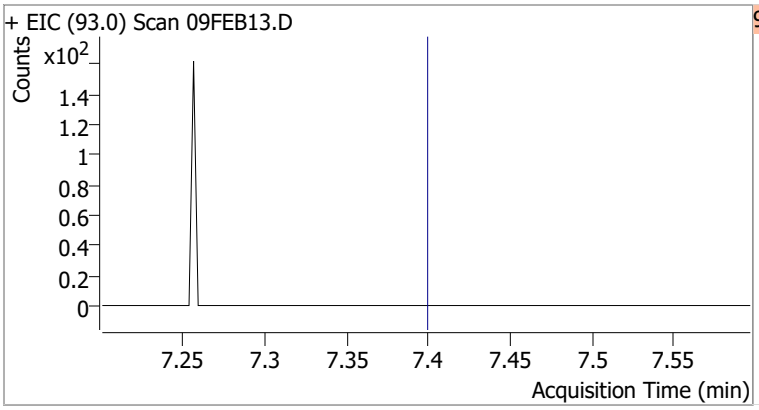


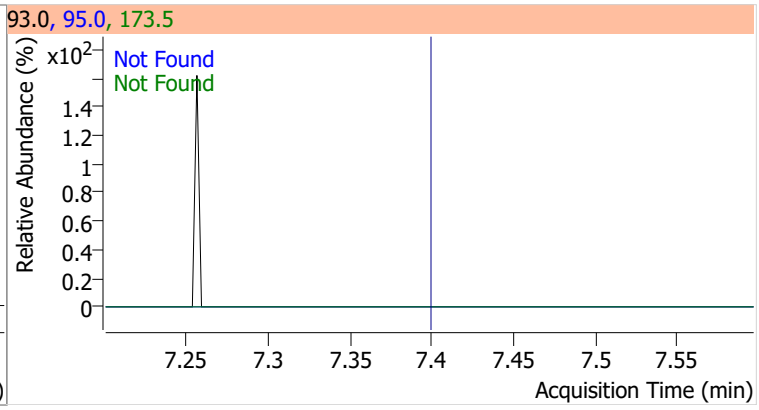
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



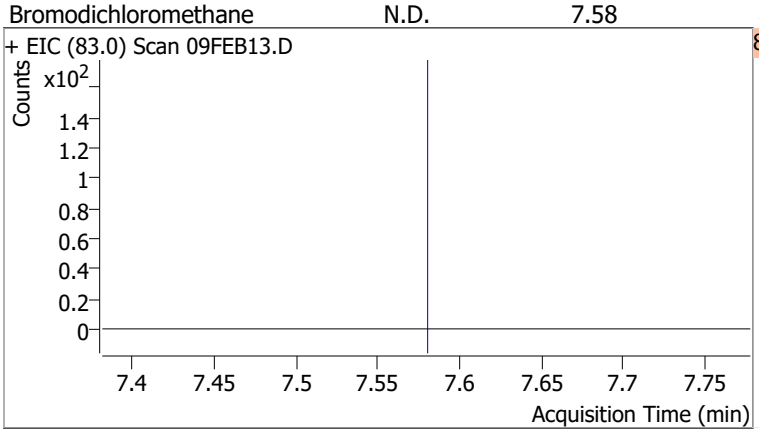


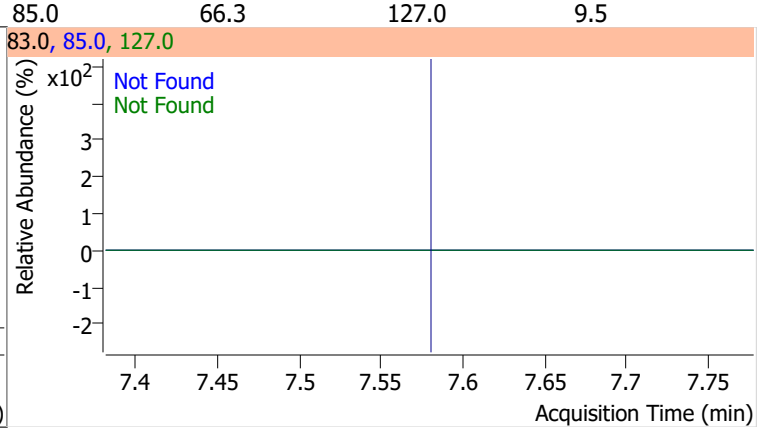
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



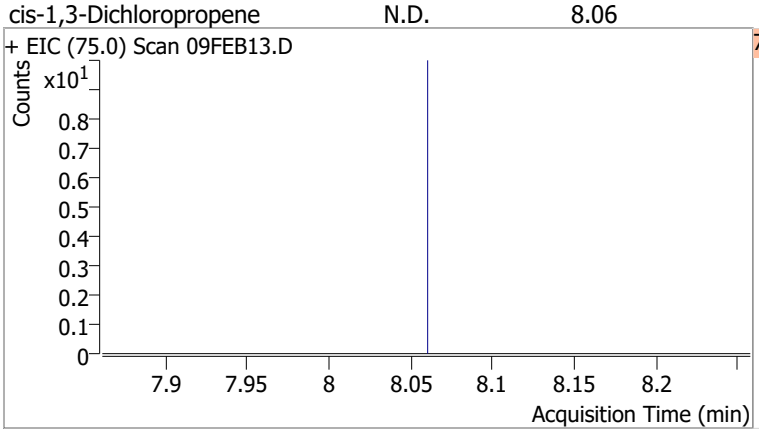


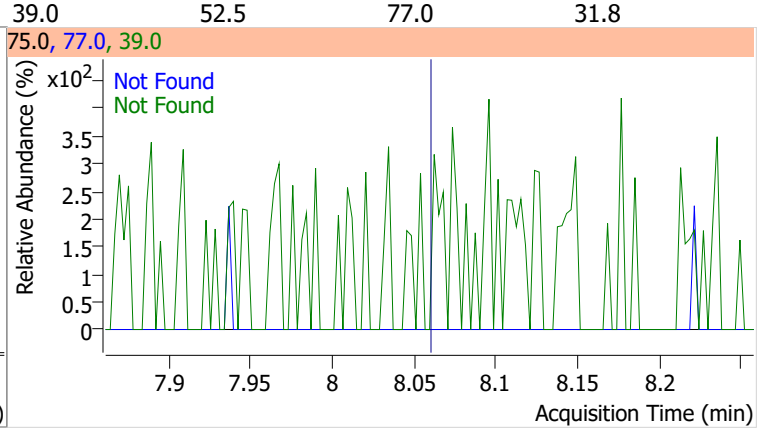
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



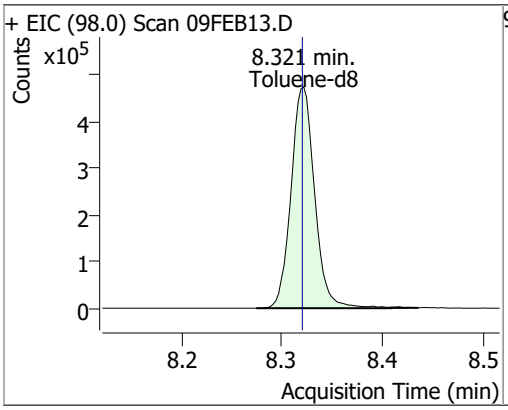


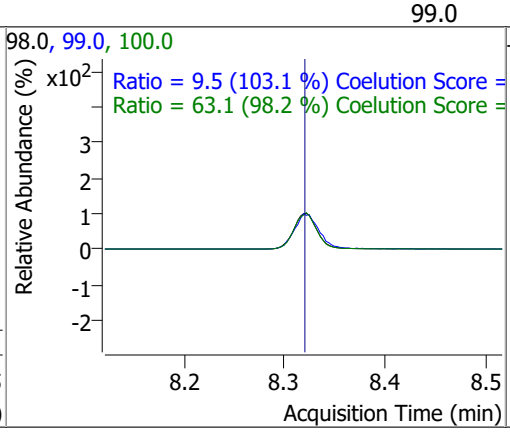
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

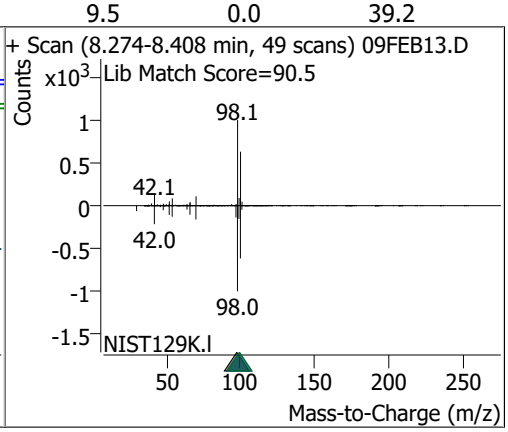




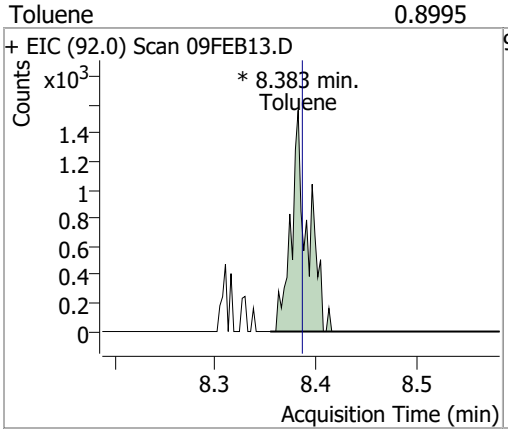
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	260.4741	8.32	0.00	777277	100.0	63.1	34.3	94.3
					99.0	9.5	0.0	39.2

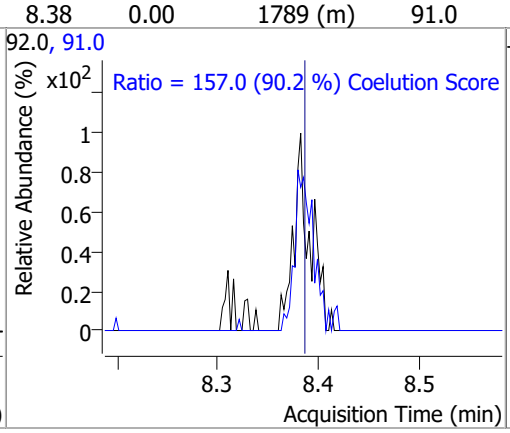


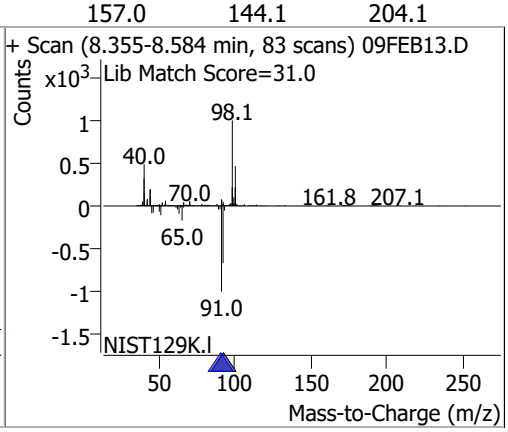




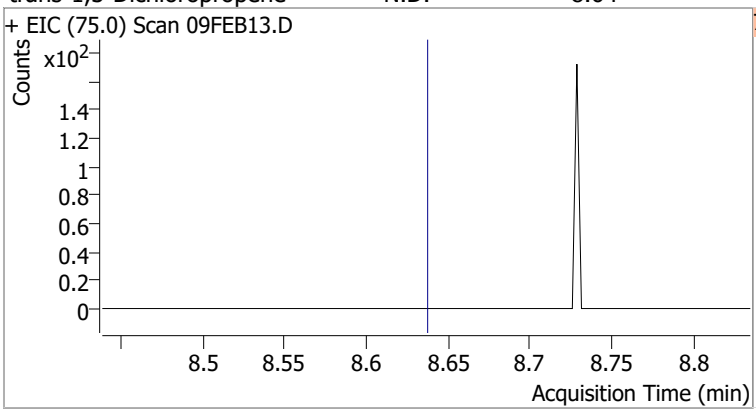
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	0.8995	8.38	0.00	1789 (m)	91.0	157.0	144.1	204.1

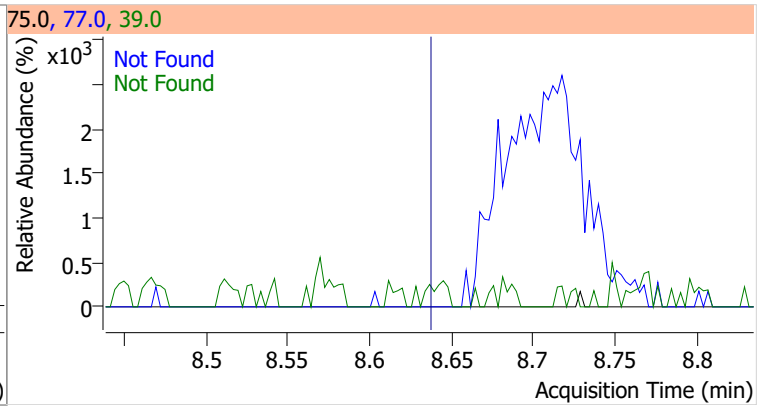




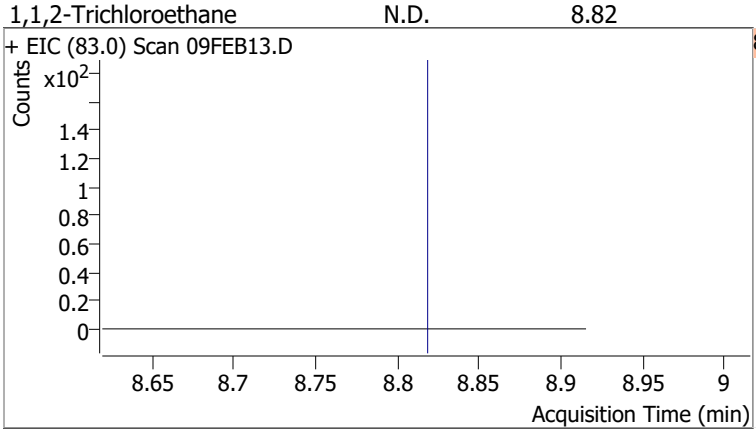


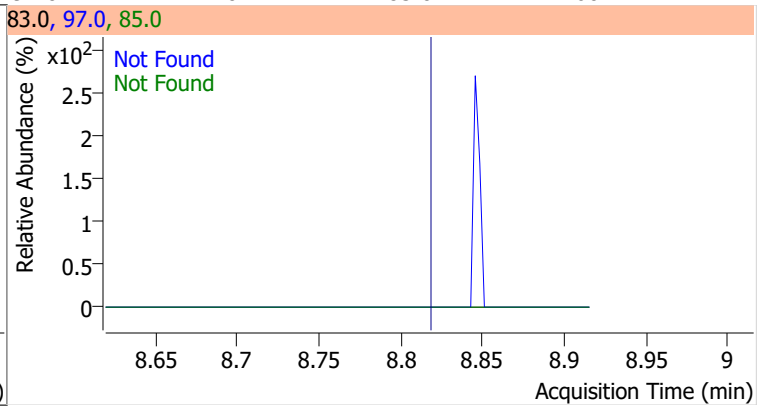
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



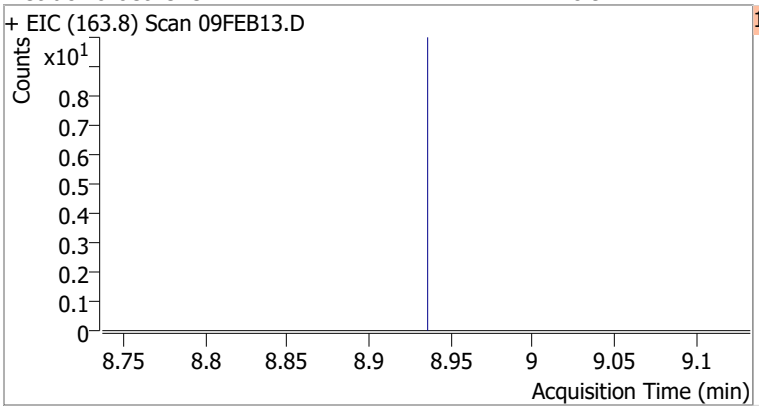


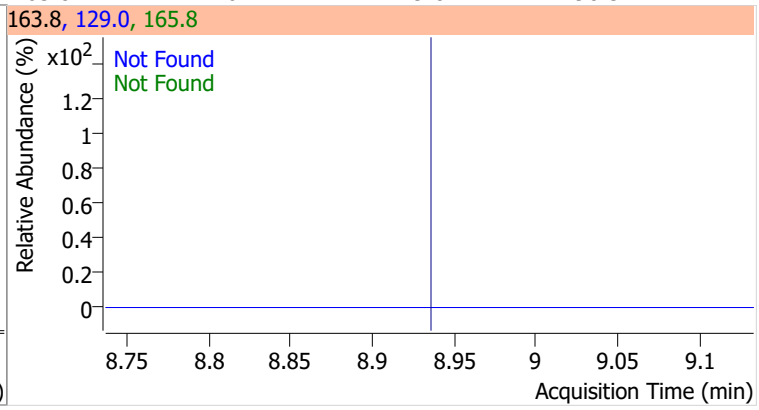
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



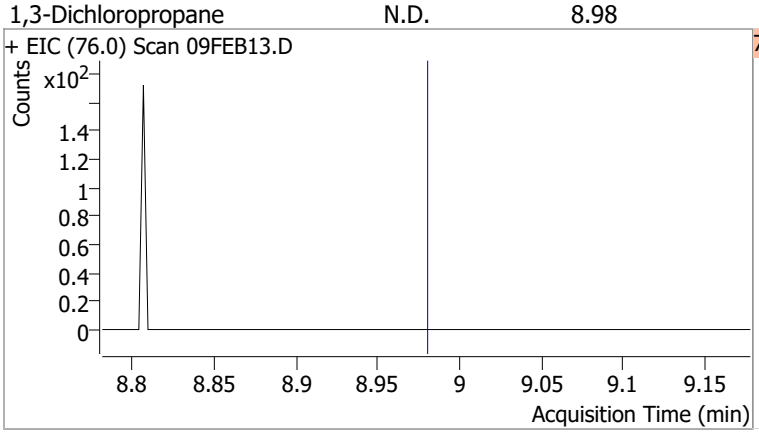


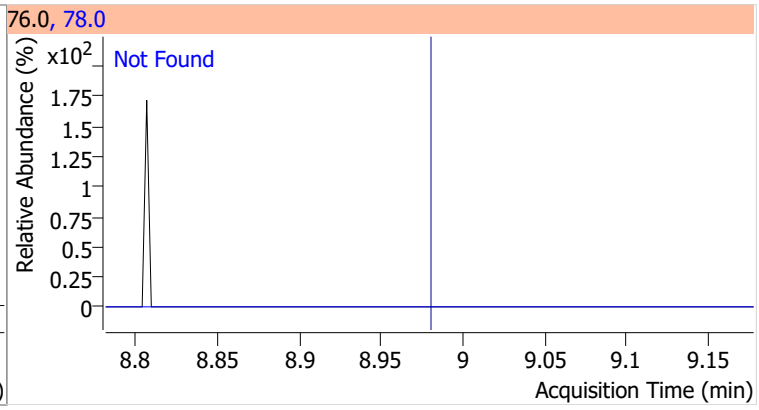
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



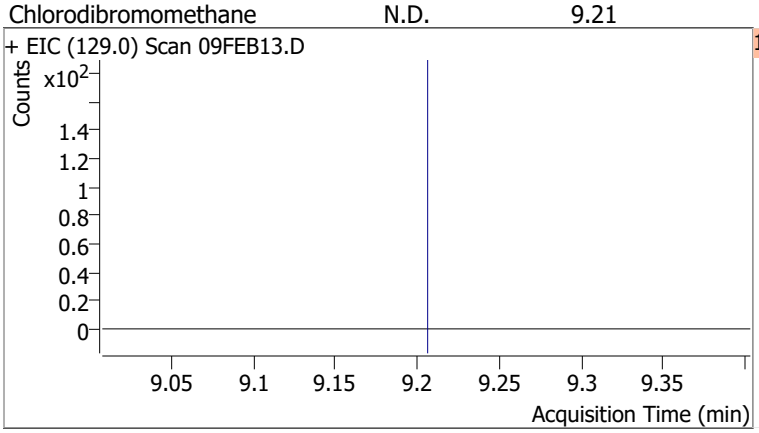


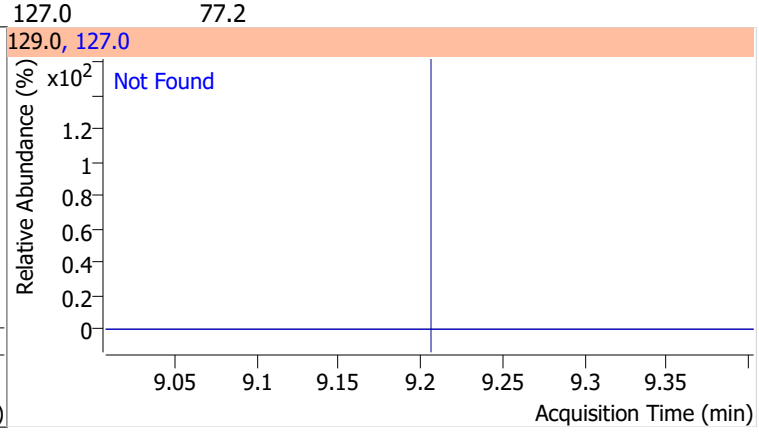
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



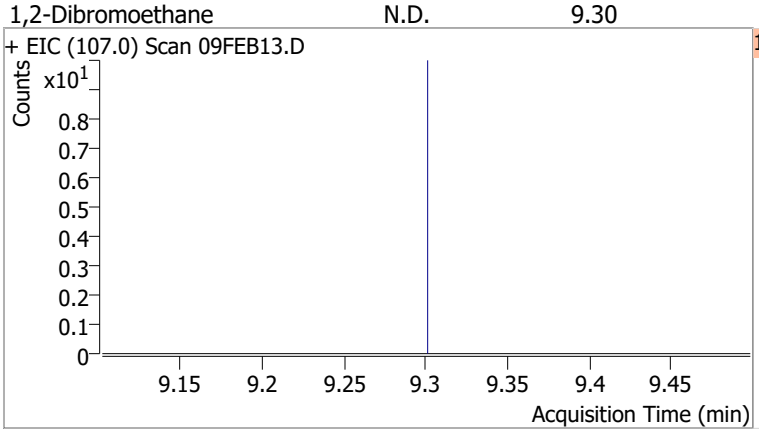


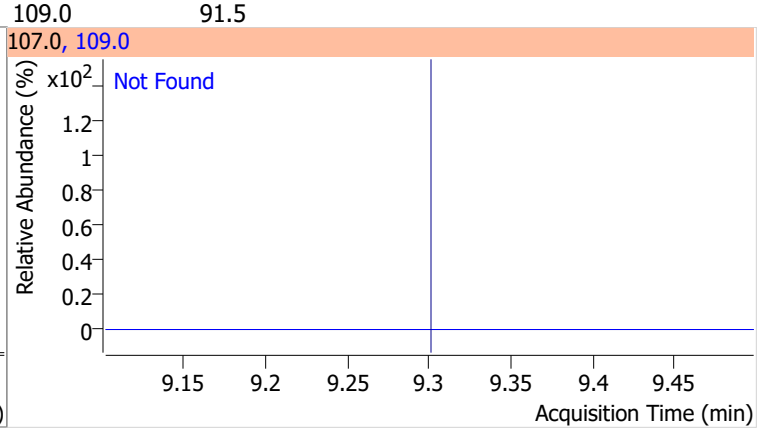
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



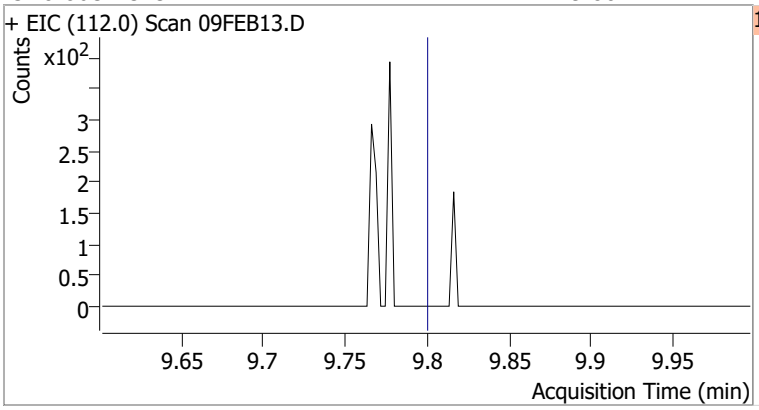


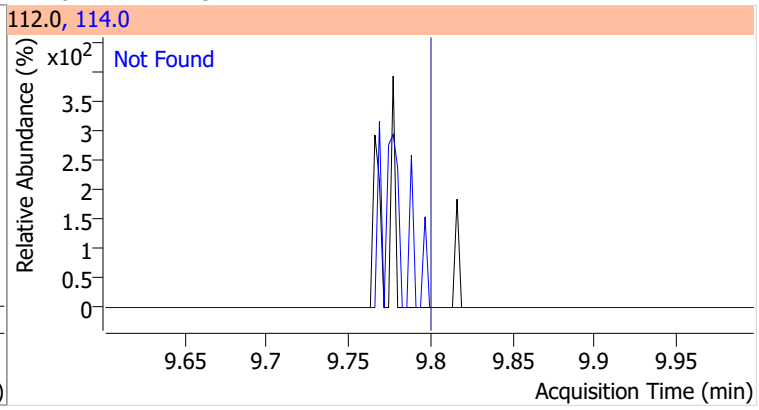
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



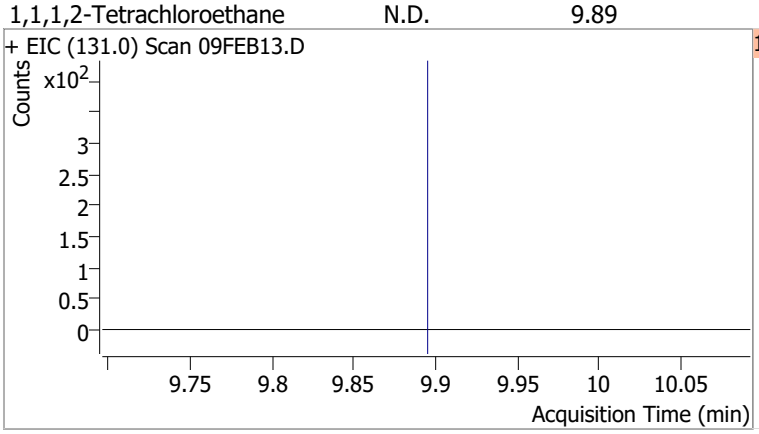


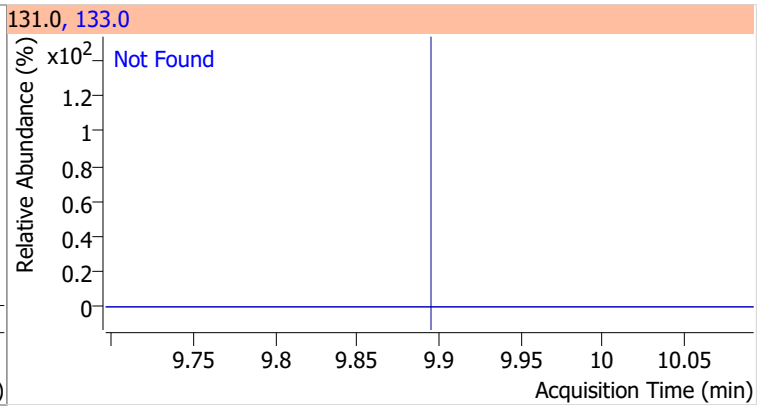
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



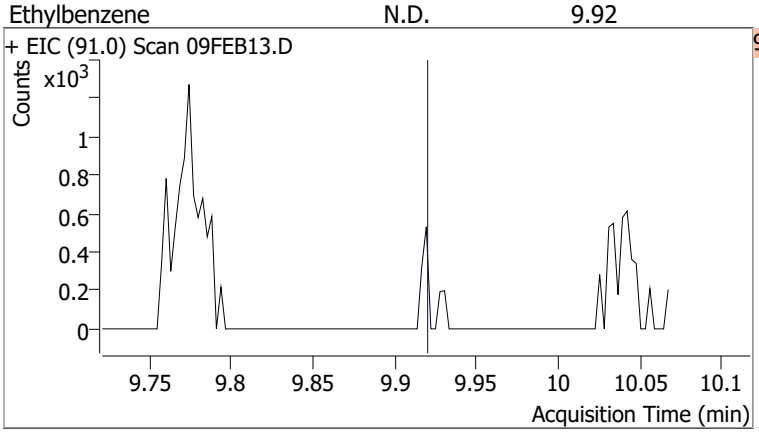


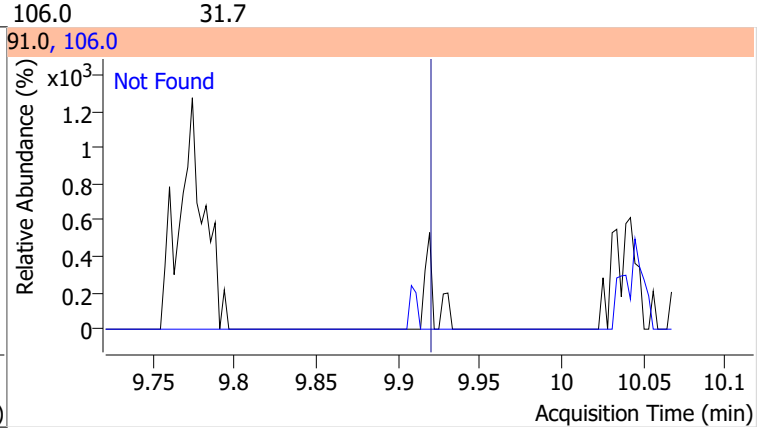
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



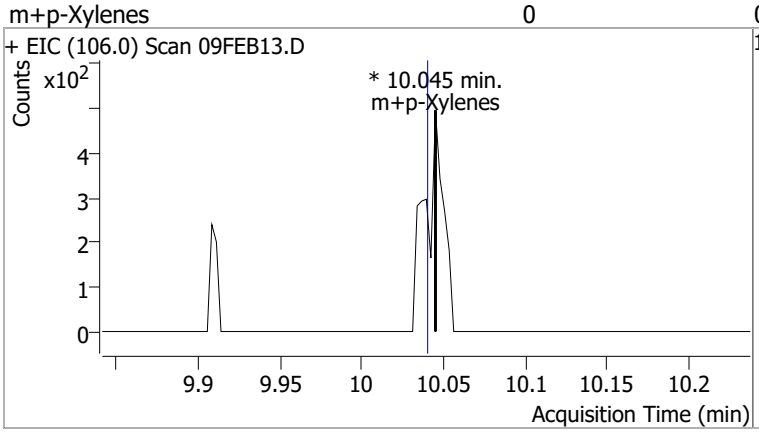


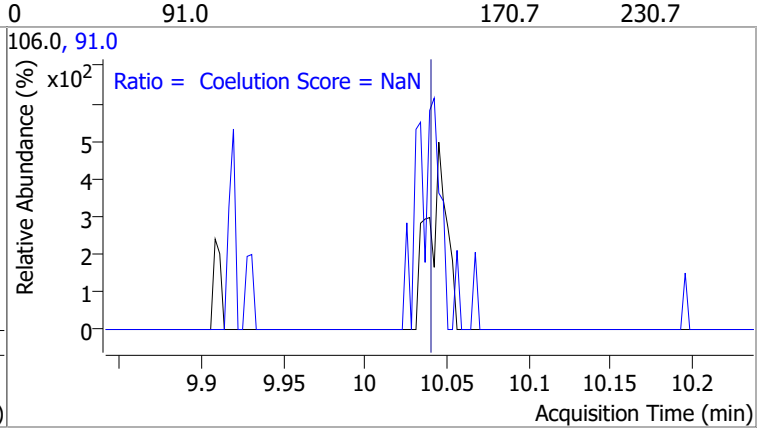
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



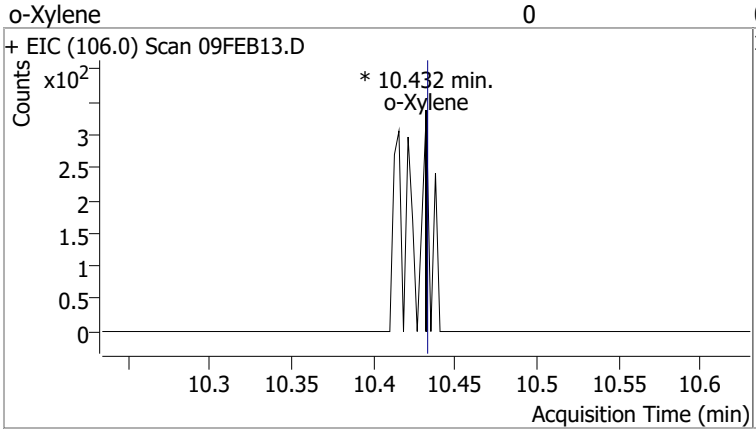


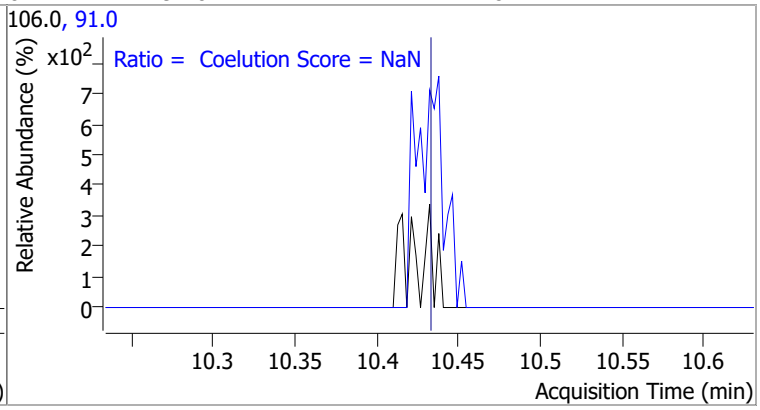
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes		0		0	91.0		170.7	230.7



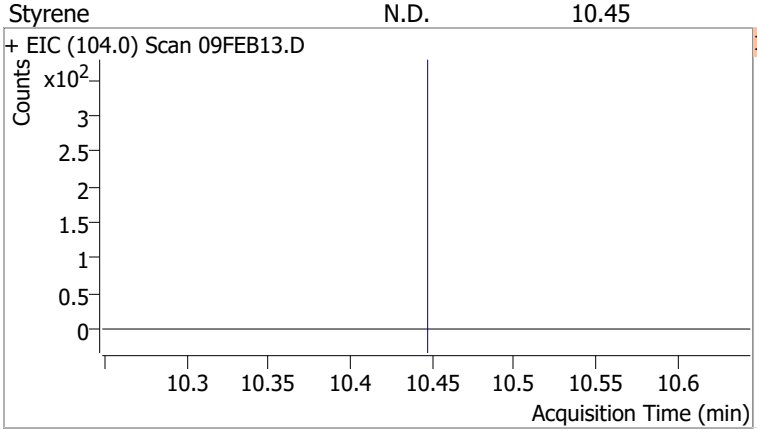


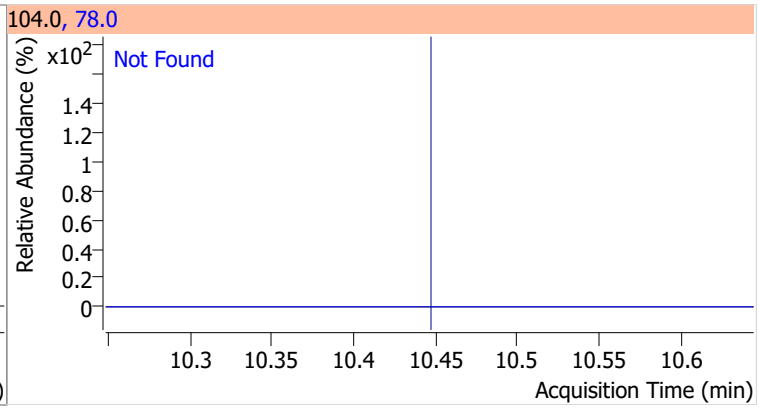
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene		0		0	91.0		181.4	241.4



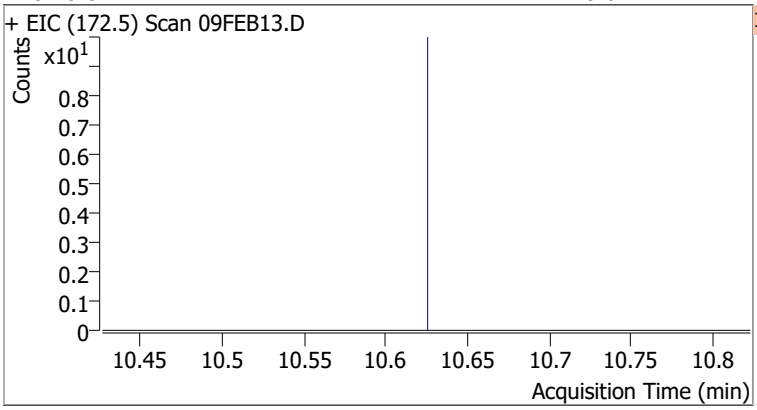


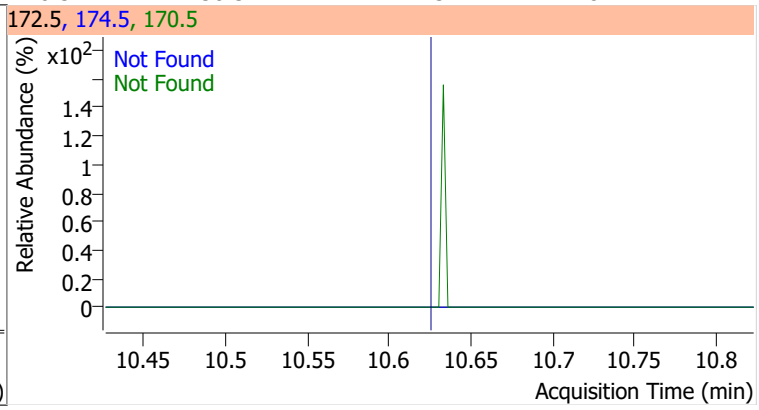
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



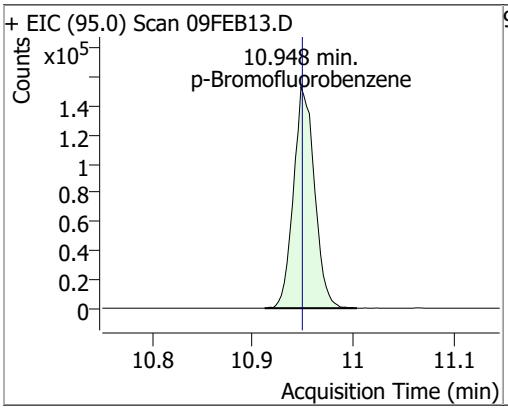


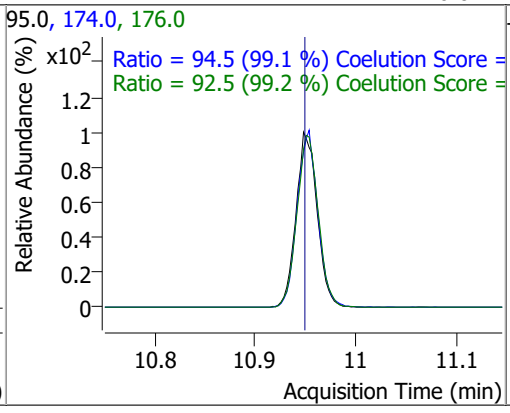
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

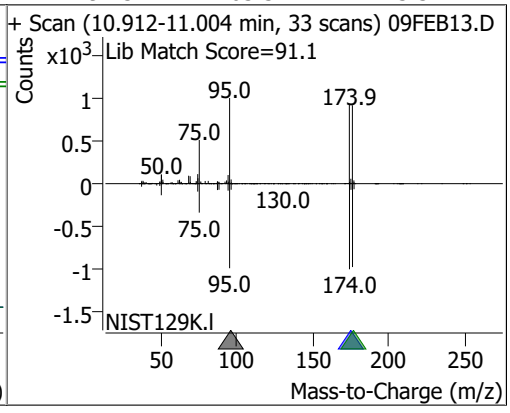




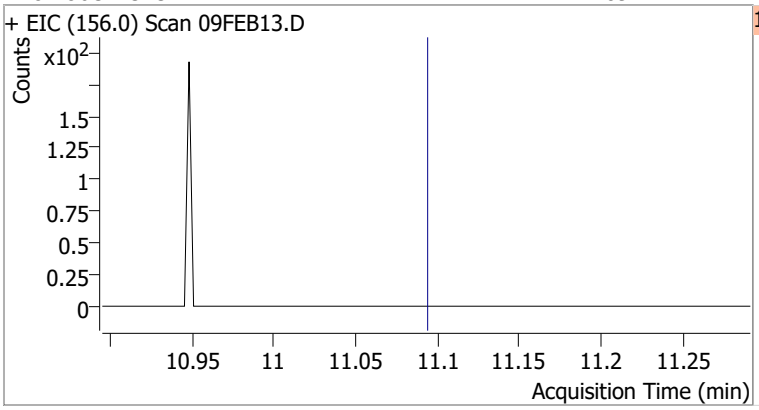
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	263.1576	10.95	0.00	223820	174.0	94.5	65.3	125.3
					176.0	92.5	63.3	123.3

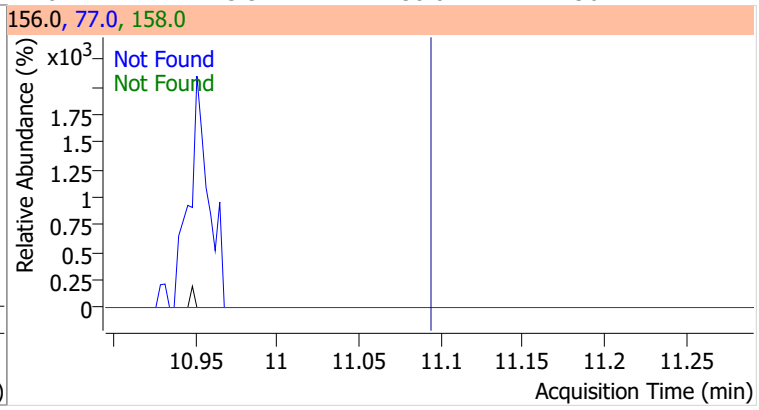




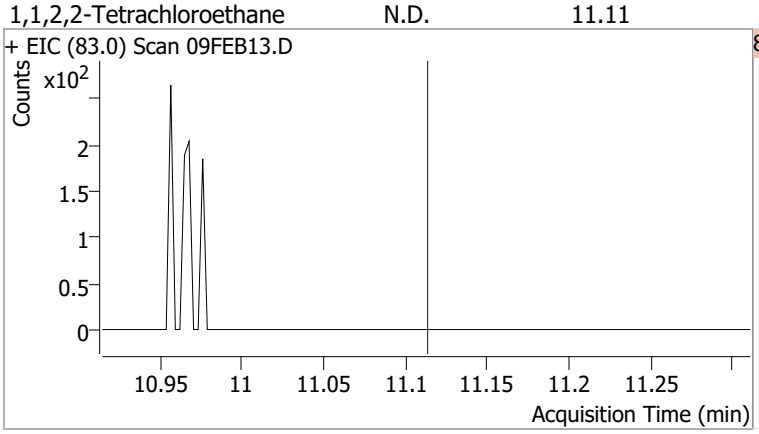


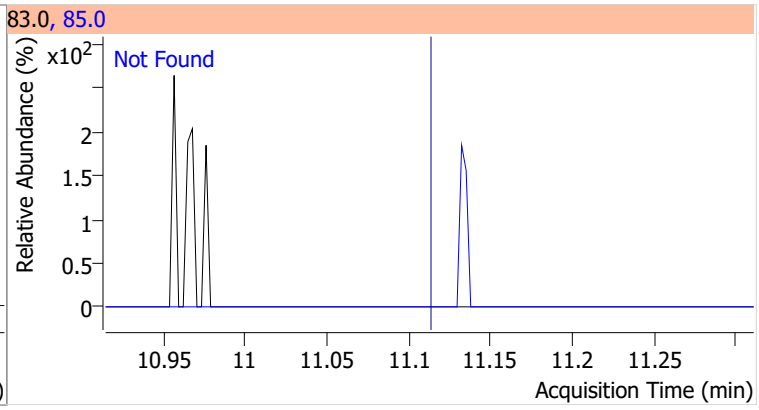
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



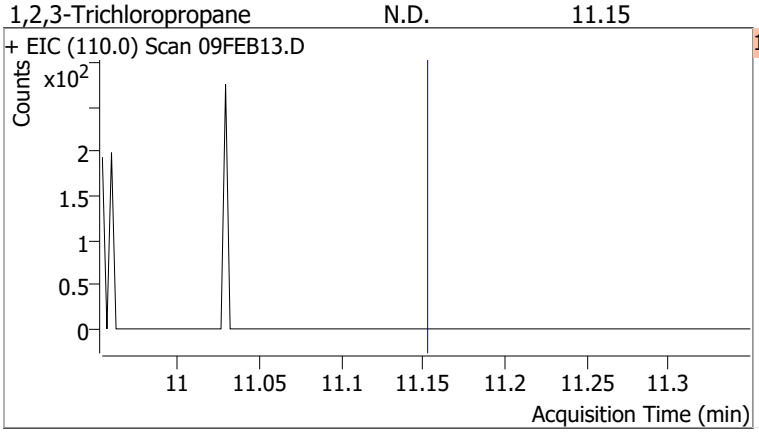


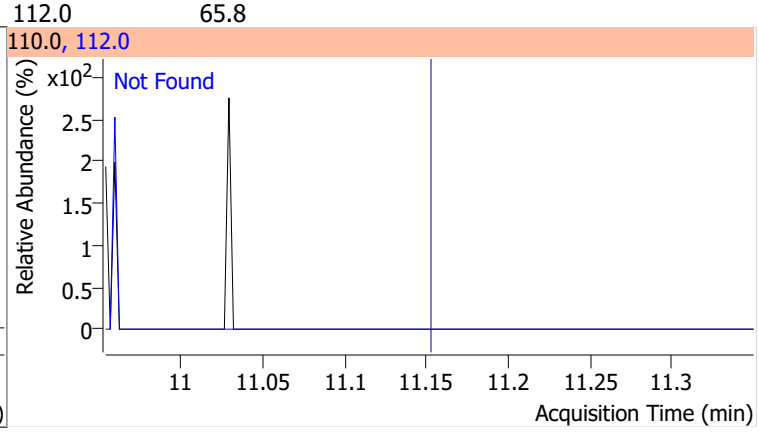
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



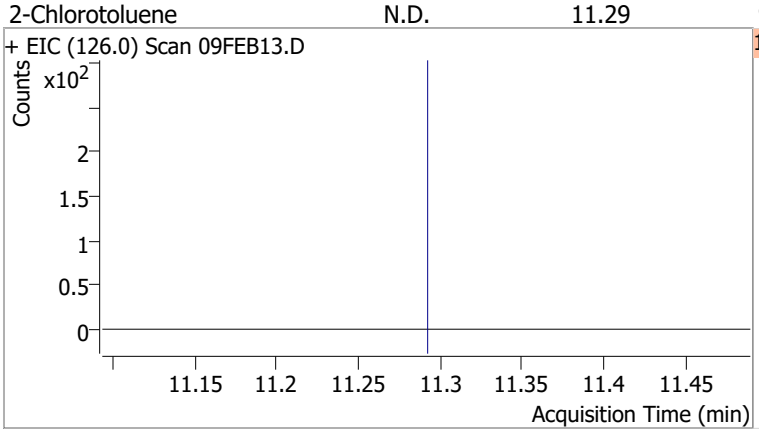


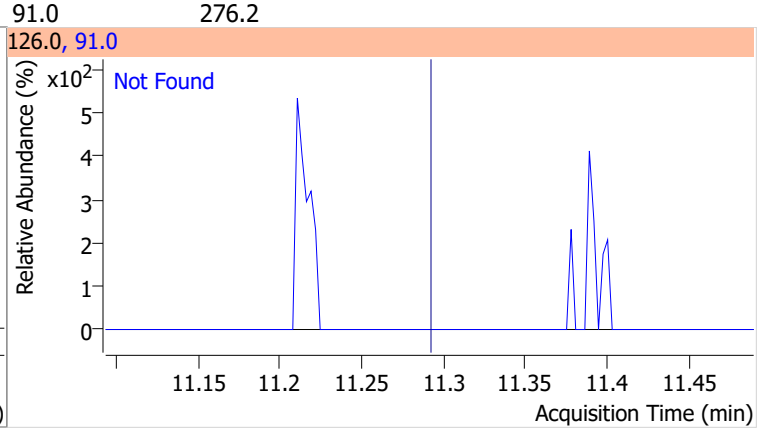
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



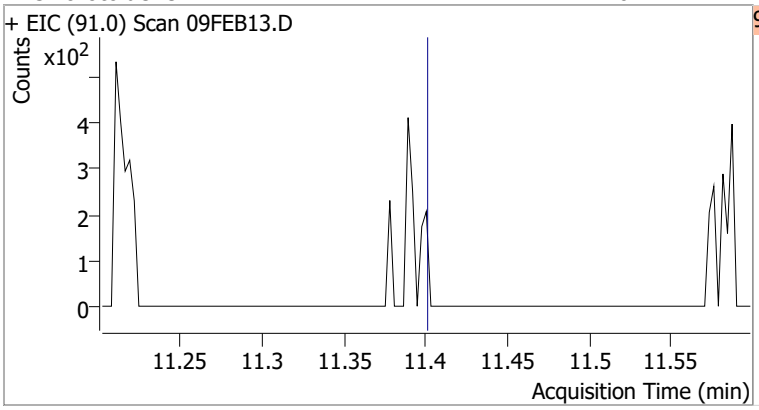


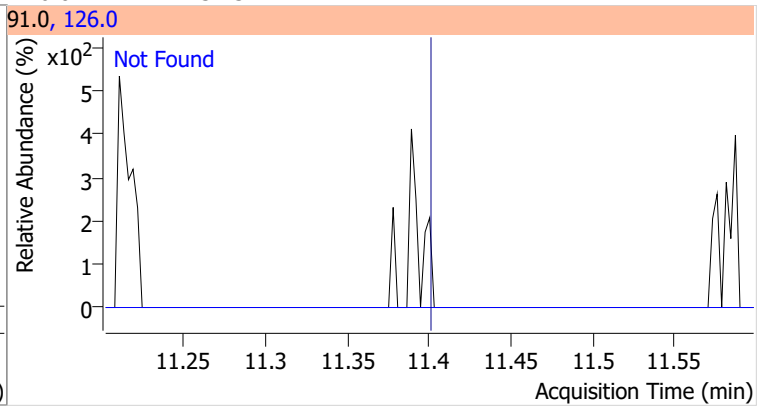
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



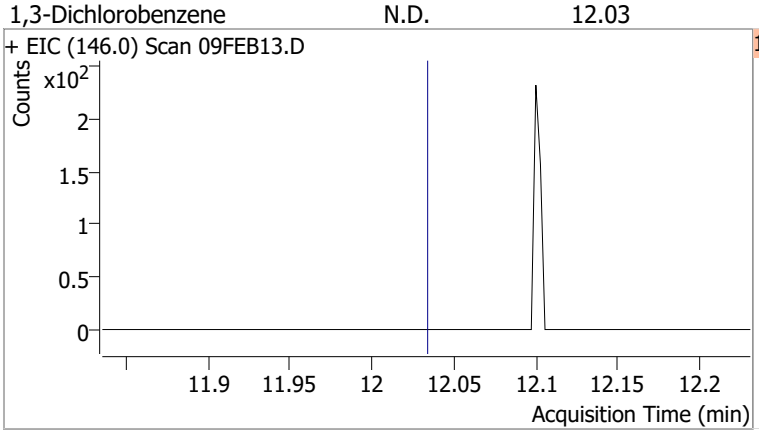


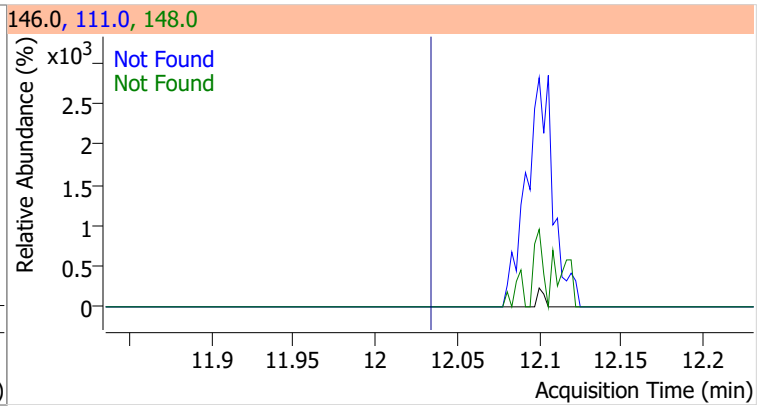
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



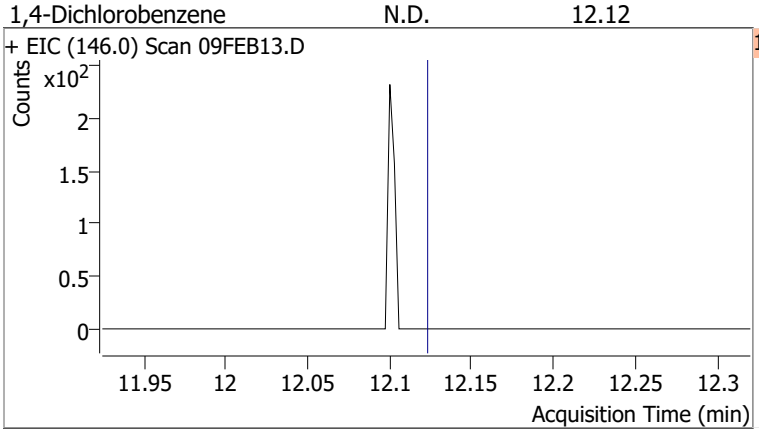


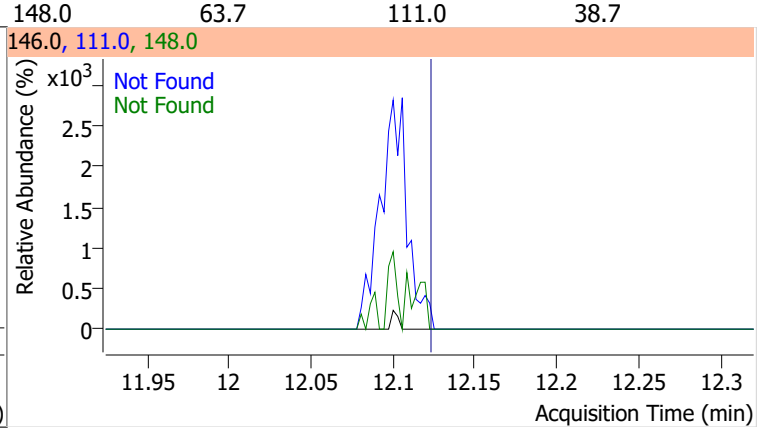
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



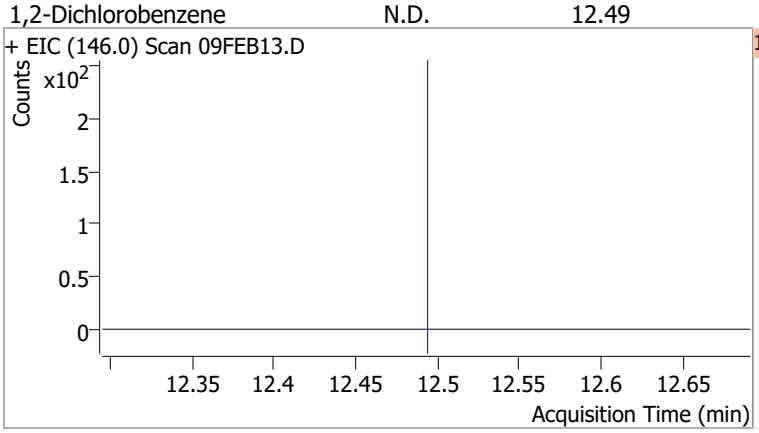


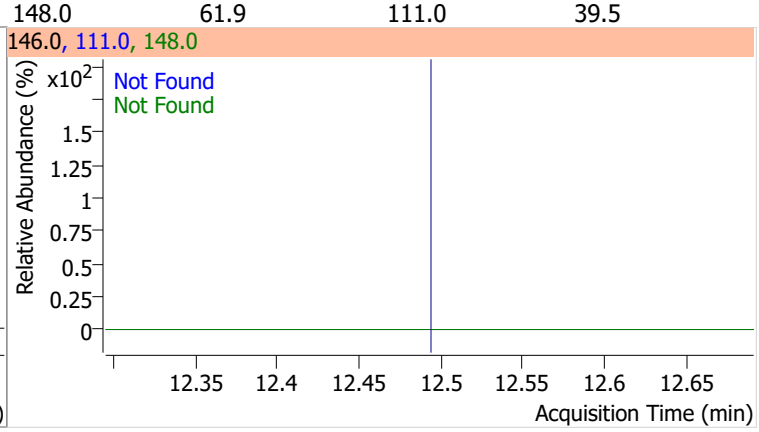
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





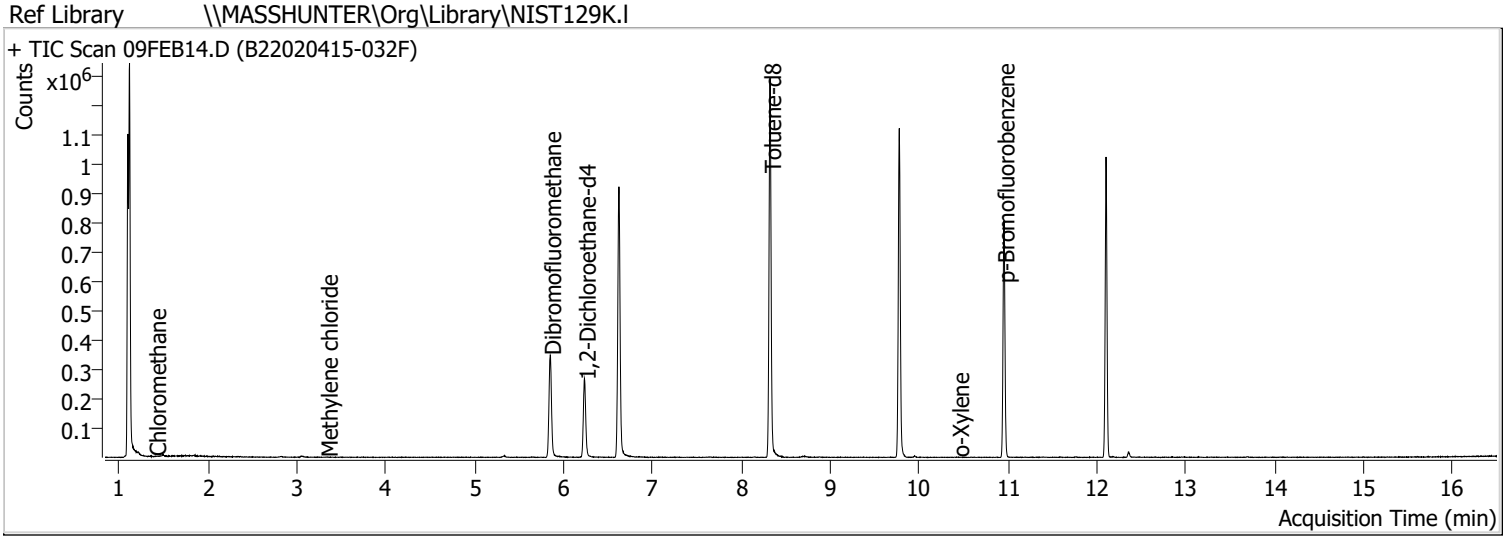
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB14.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 11:33:49 AM
Sample Name	B22020415-032F	Instrument	VOA5975C
Vial	14	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

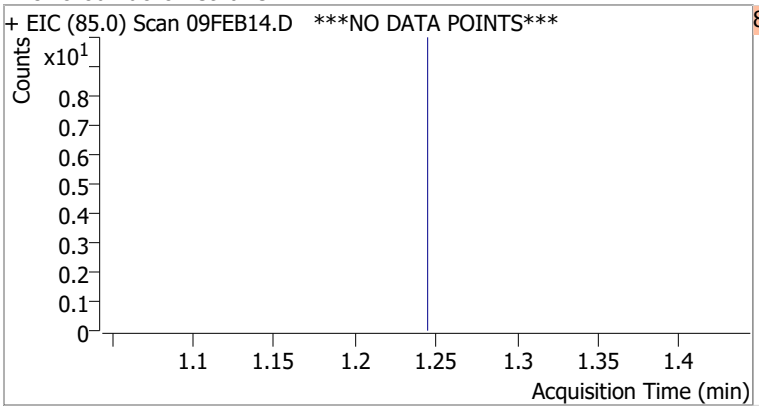


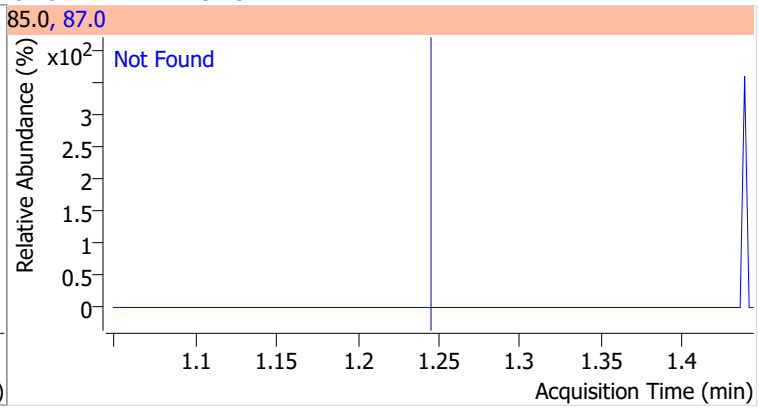
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.623	96.0	765622	250.0000	ng		0.003
M Chlorobenzene-d5	9.772	82.0	307416	250.0000	ng		-0.003
M 1,4-Dichlorobenzene-d4	12.100	152.0	229402	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.848	113.0	208443	281.0842	ng		-0.003
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 112.43%			
S 1,2-Dichloroethane-d4	6.236	67.0	94038	293.5589	ng		0.006
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 117.42%			
S Toluene-d8	8.321	98.0	782985	261.0699	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 104.43%			
S p-Bromofluorobenzene	10.948	95.0	226803	267.7704	ng		0.000
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 107.11%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	1.406	50.0	632	0.5215	ng	m	69
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.335	49.0	360	0.3220	ng	m	86
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	5.647	83.0	0		ng	md	1

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	8.380	92.0	0		ng	md	1
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	0.000		0	N.D.			
T o-Xylene	10.438	106.0	119	1.0609	ng	m	100
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

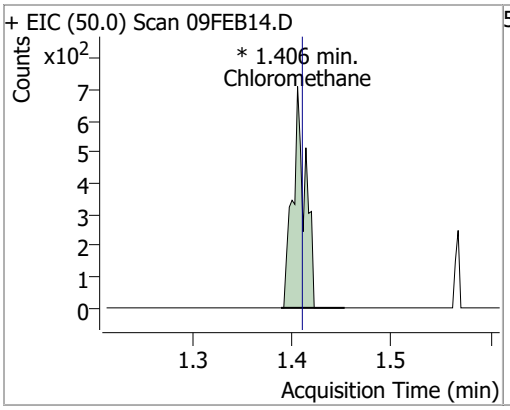
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

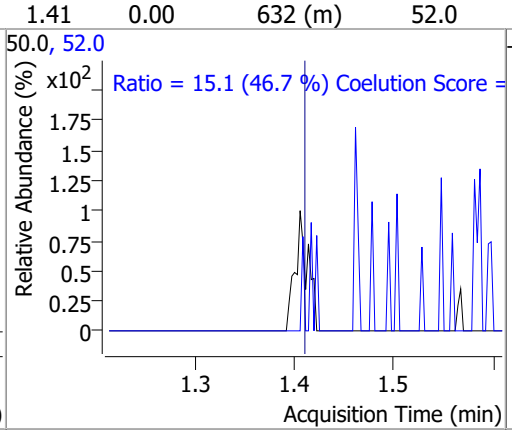
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8

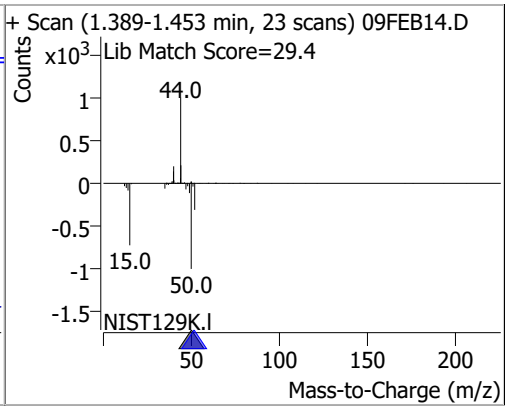




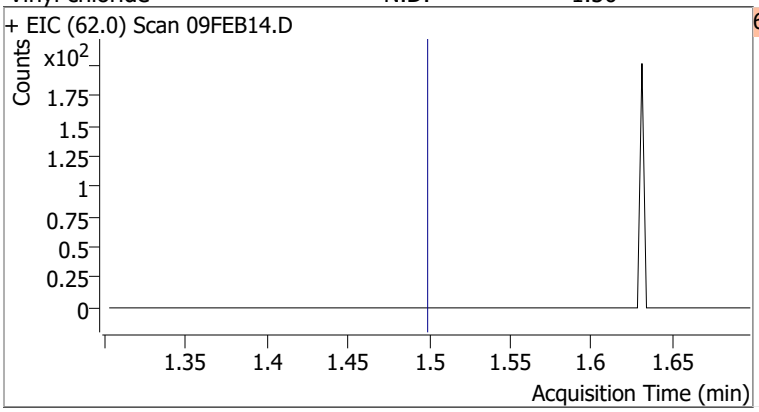
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	0.5215	1.41	0.00	632 (m)	52.0	15.1	2.4	62.4

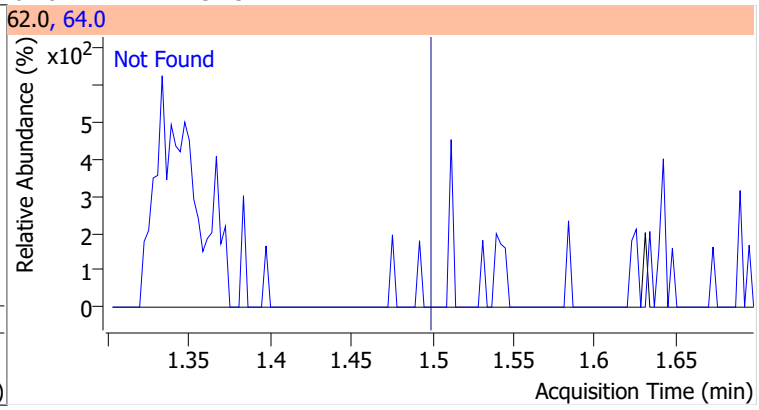




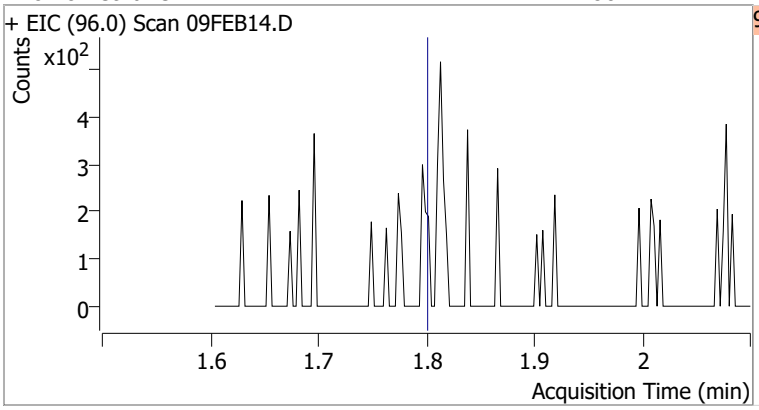


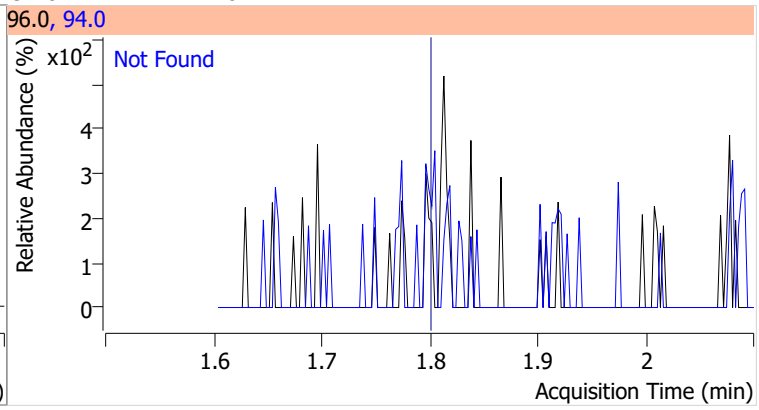
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



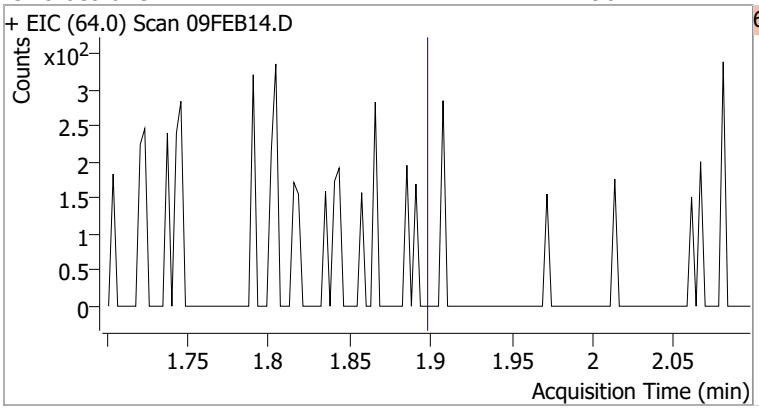


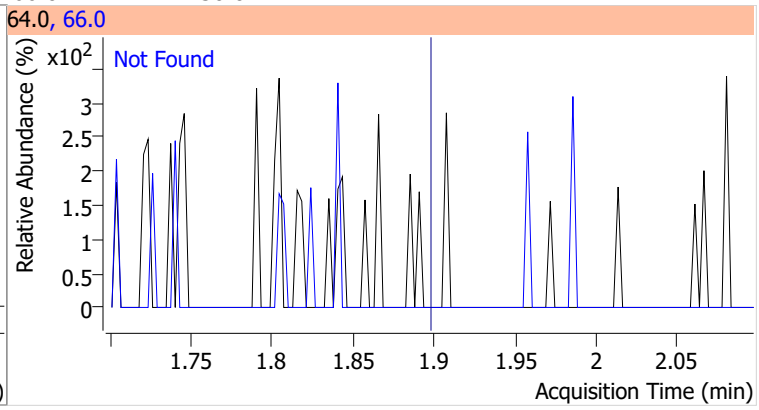
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



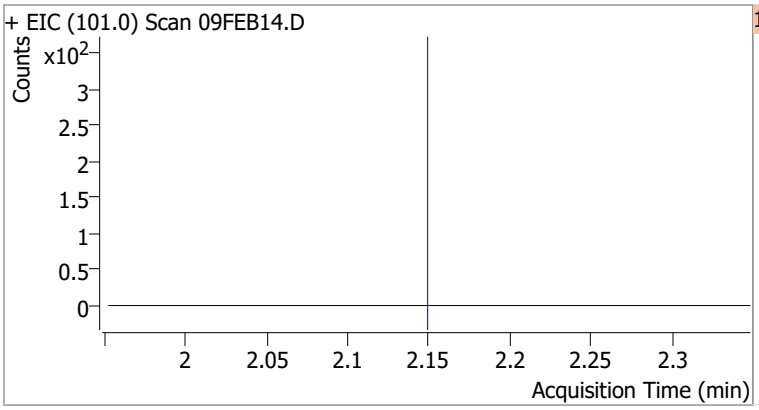


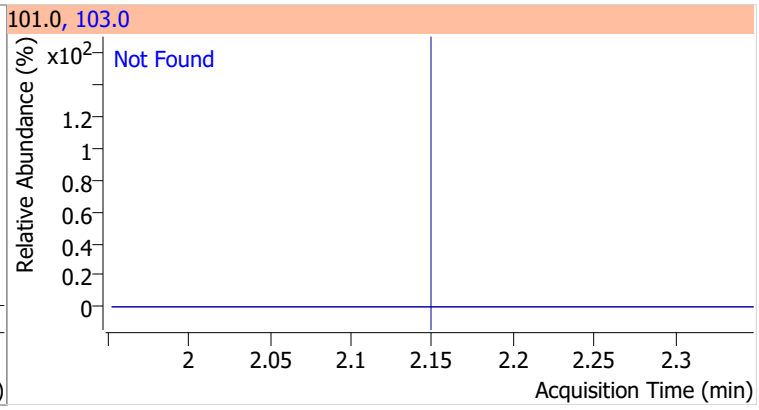
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



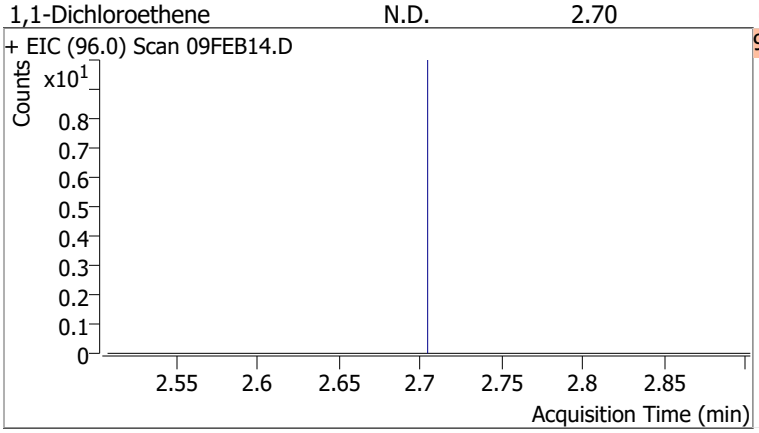


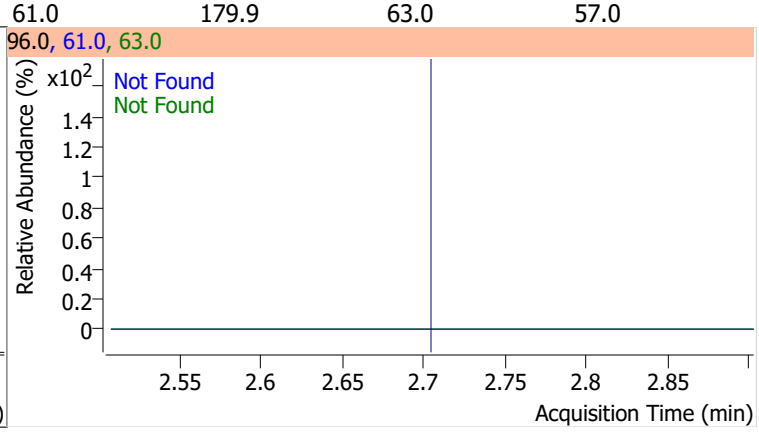
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



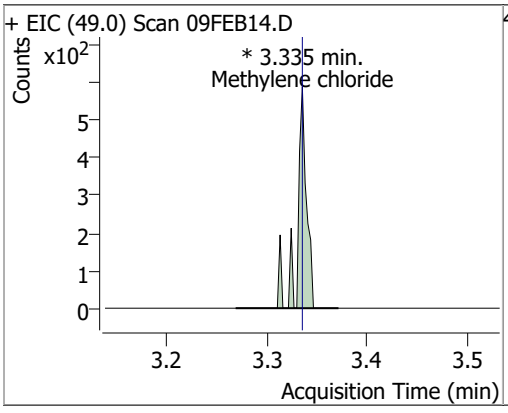


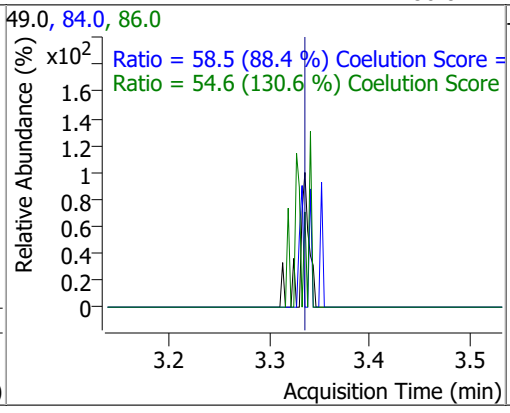
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

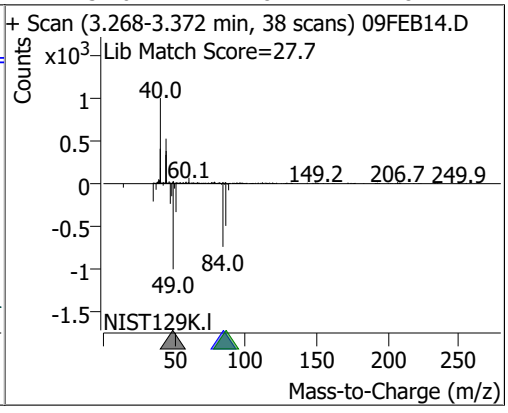




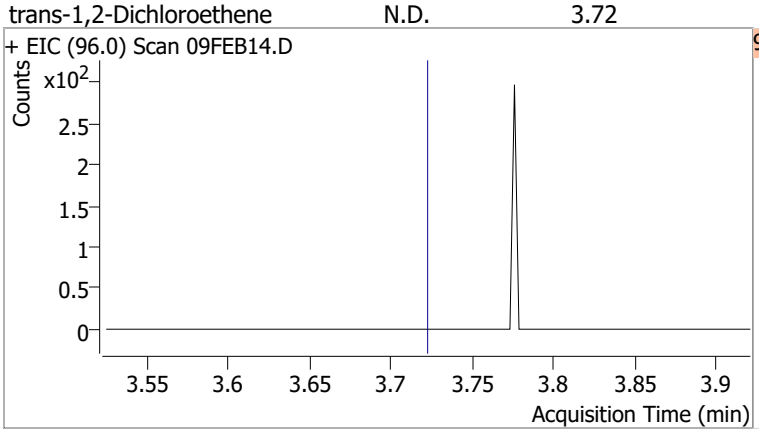
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	0.3220	3.34	0.00	360 (m)	84.0	58.5	36.1	96.1
					86.0	54.6	11.8	71.8

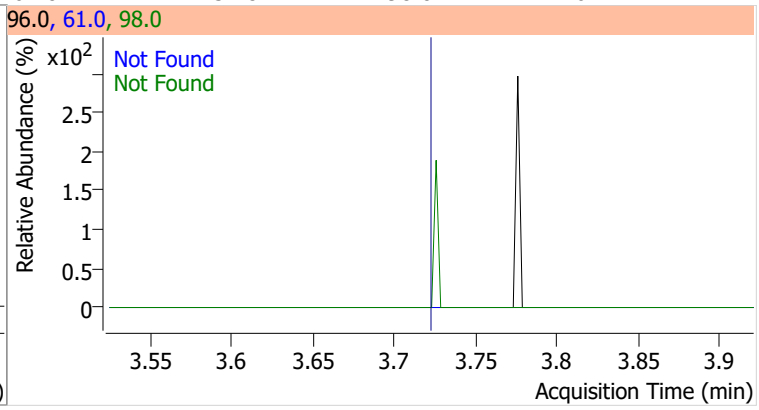




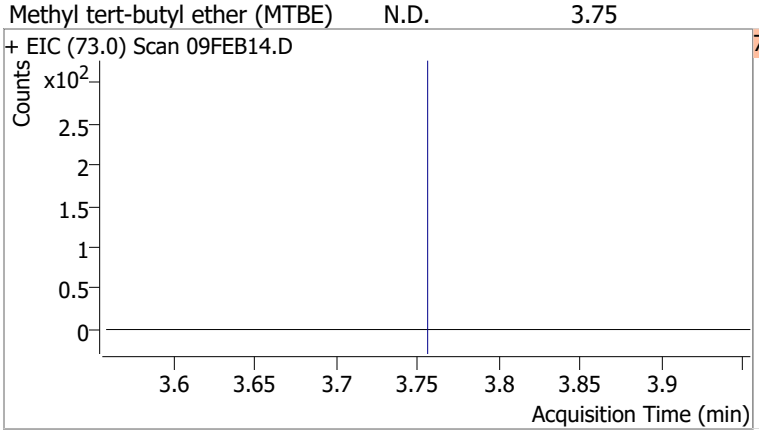


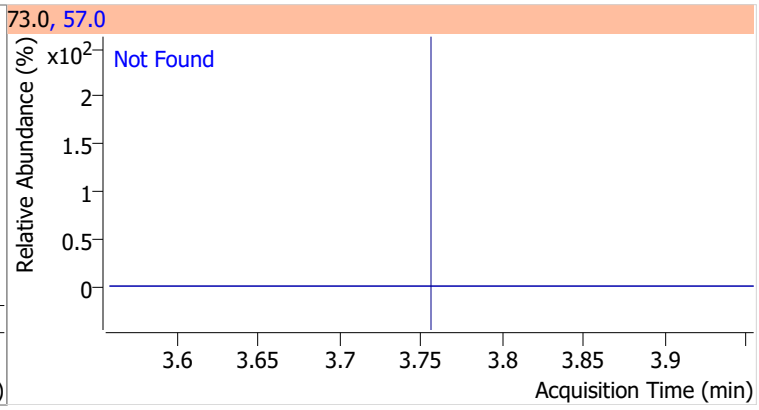
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



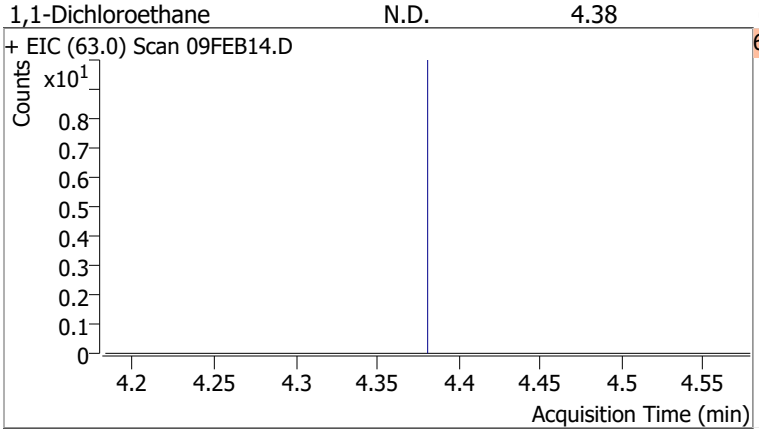


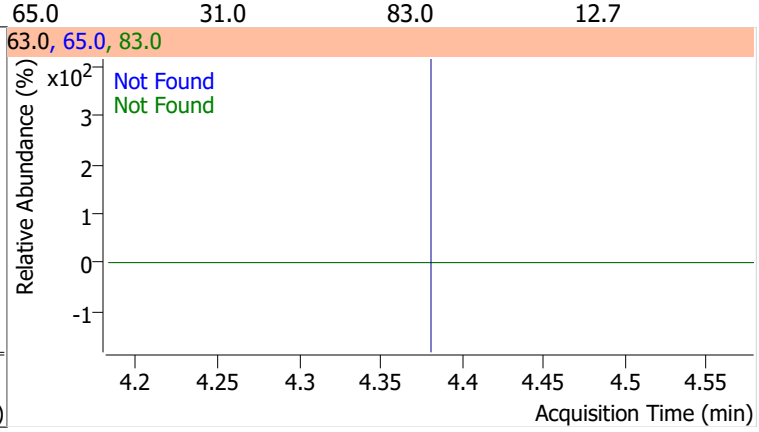
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



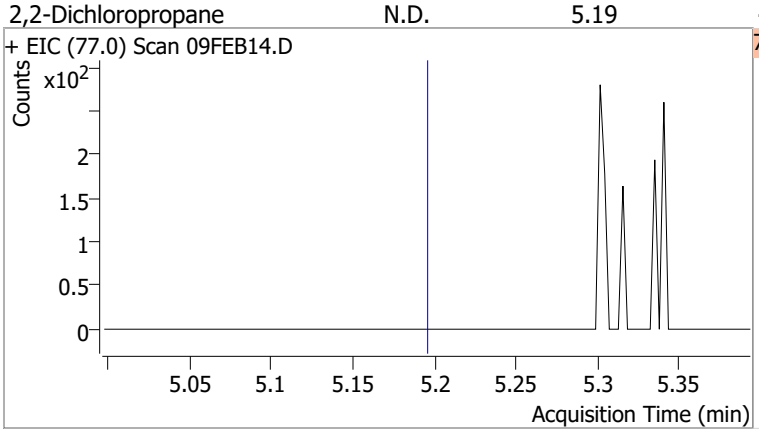


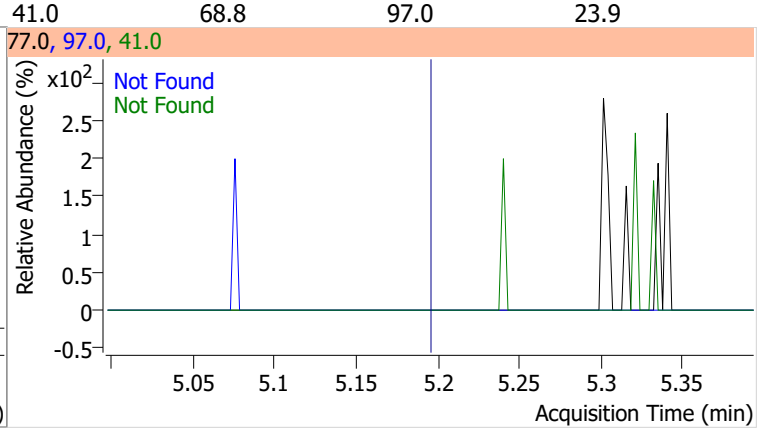
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



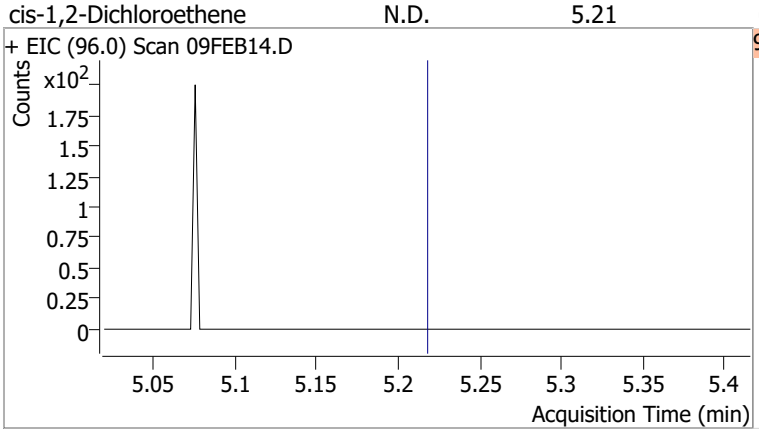


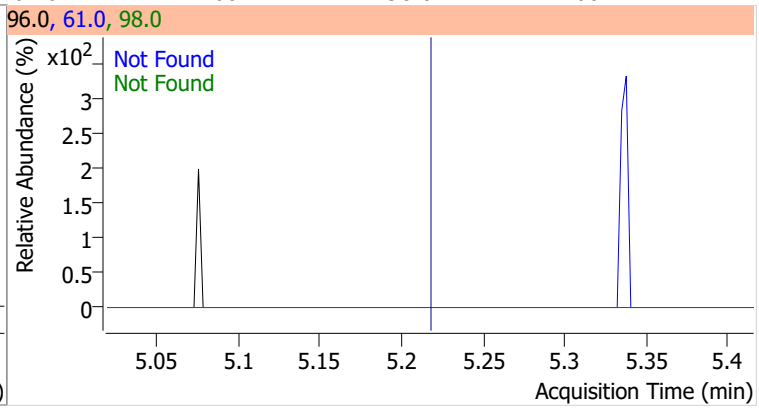
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



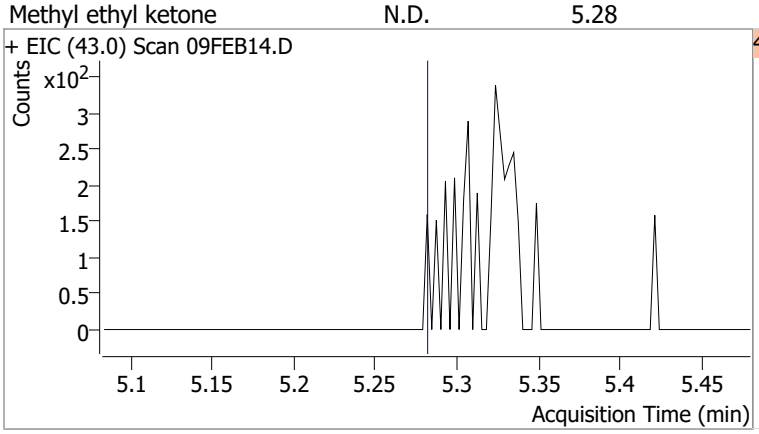


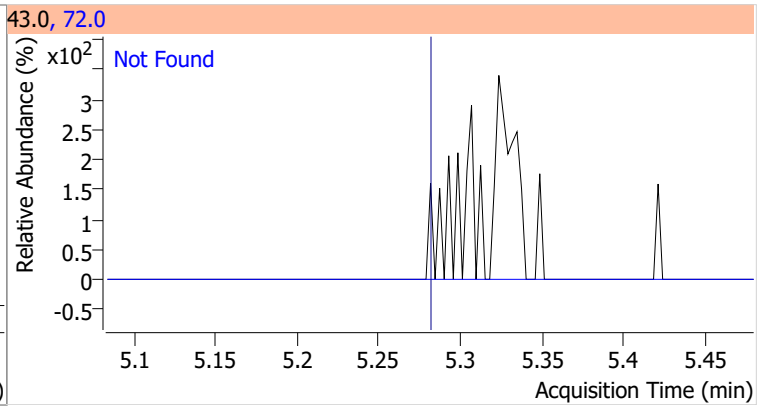
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



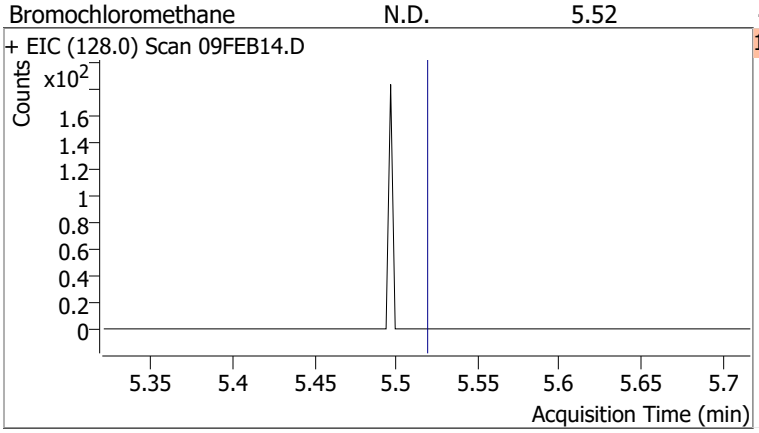


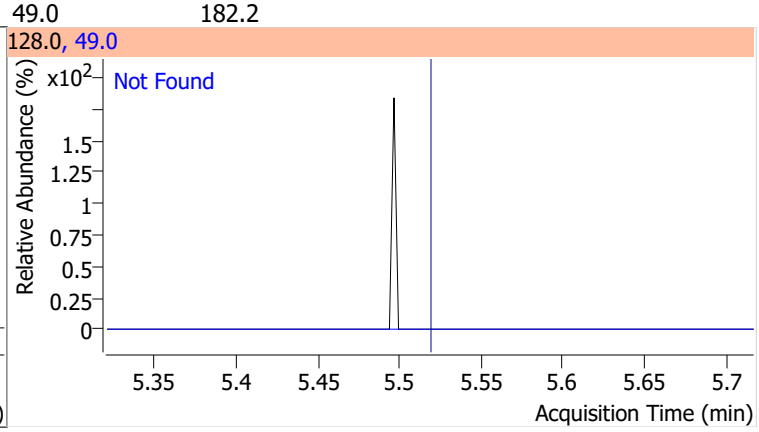
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



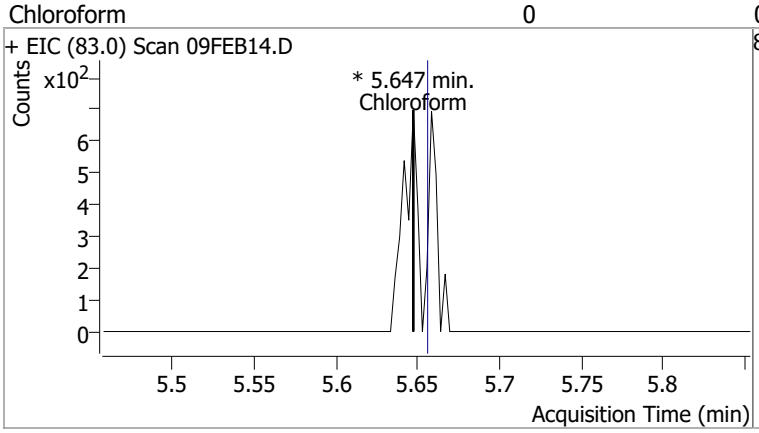


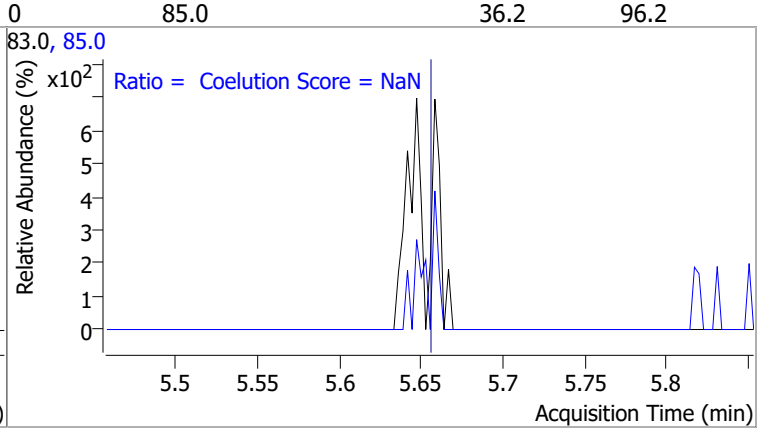
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2



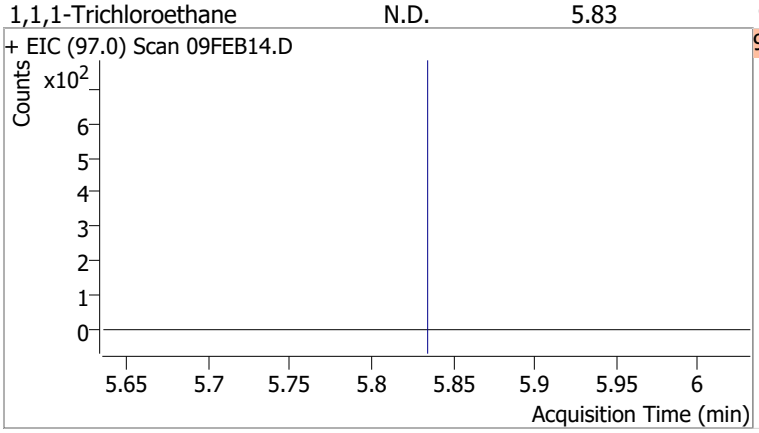


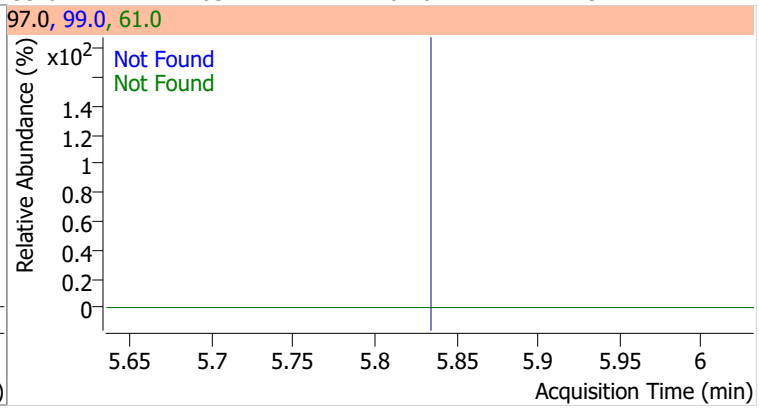
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform		0		0	85.0		36.2	96.2



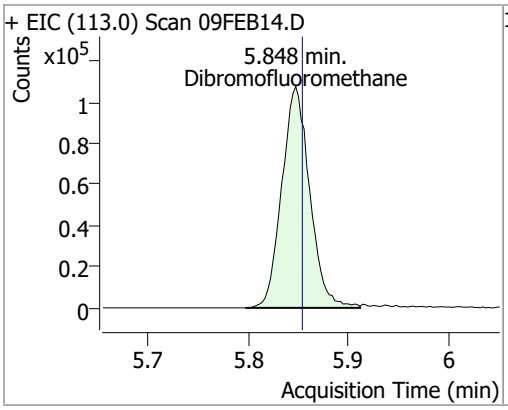


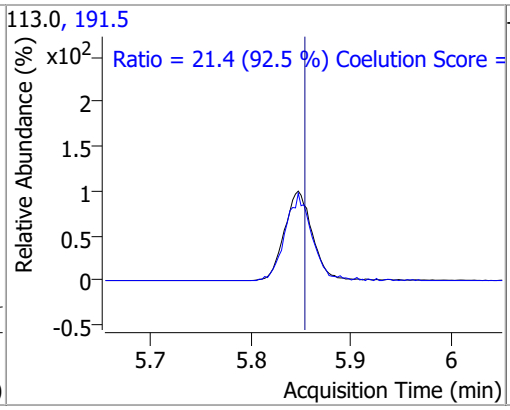
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

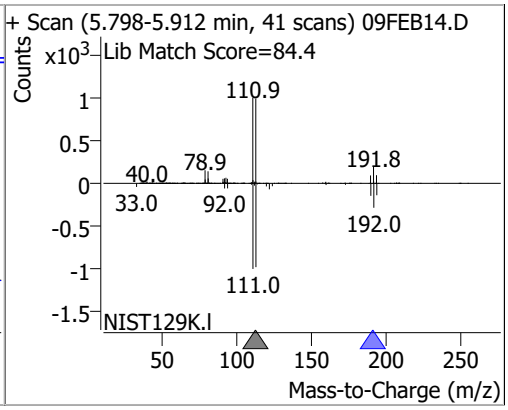




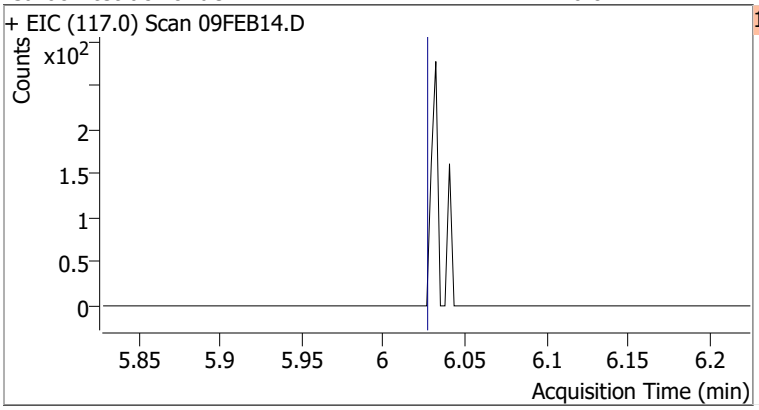
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	281.0842	5.85	0.00	208443	191.5	21.4	0.0	53.2

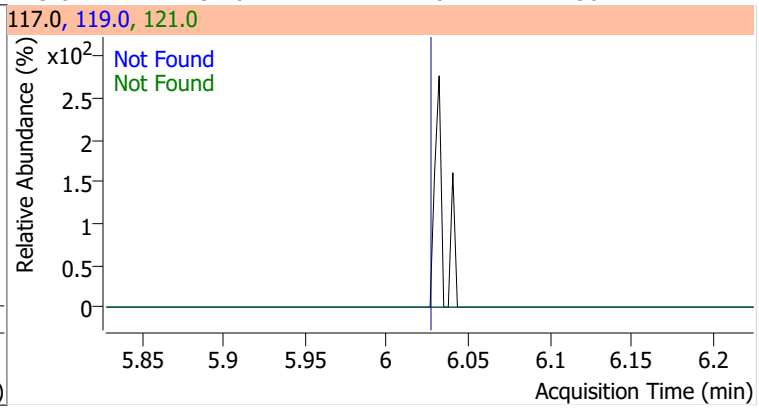




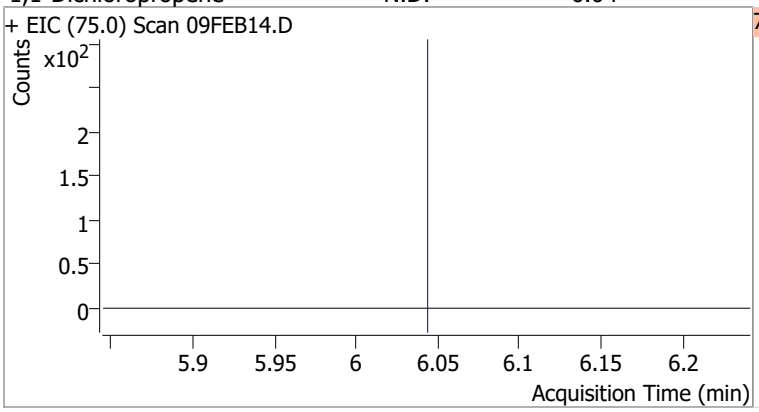


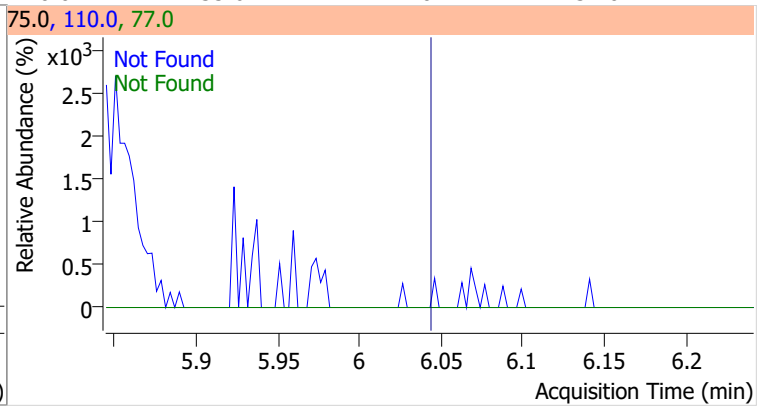
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7



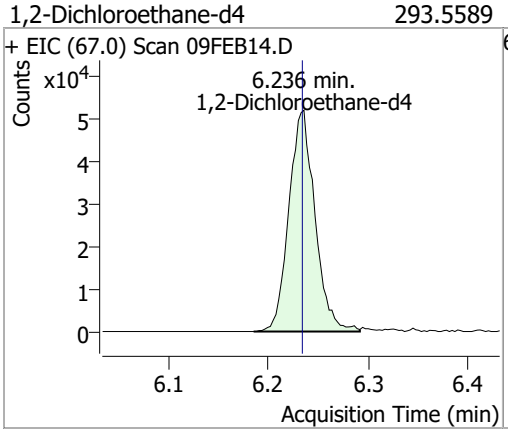


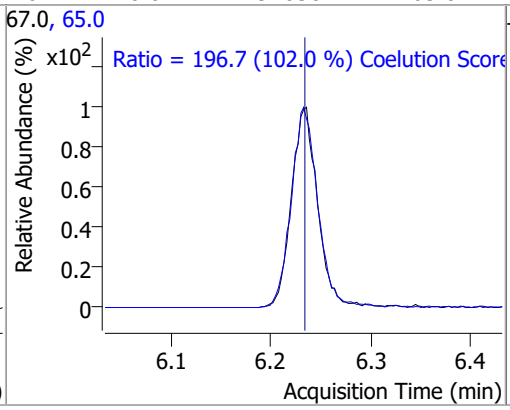
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

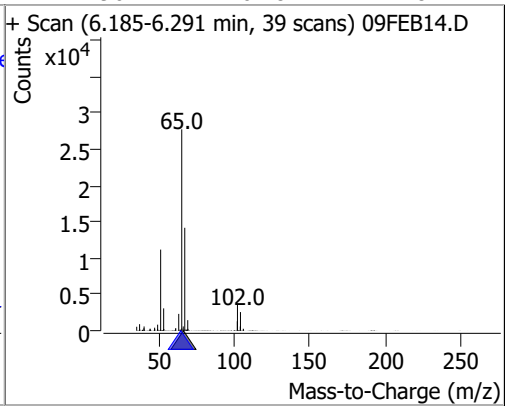




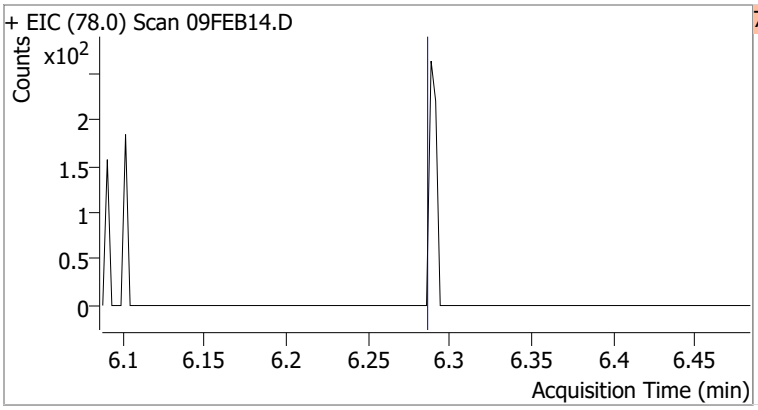
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	293.5589	6.24	0.01	94038	65.0	196.7	162.8	222.8

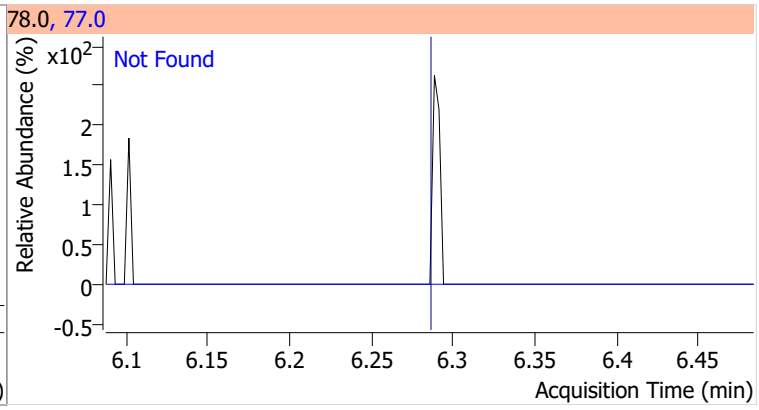




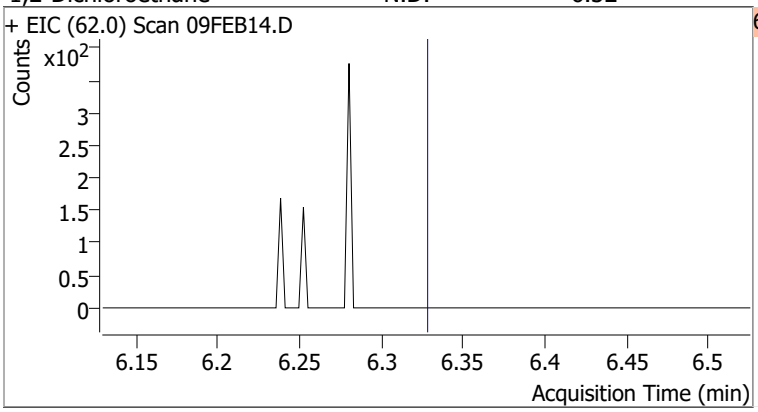


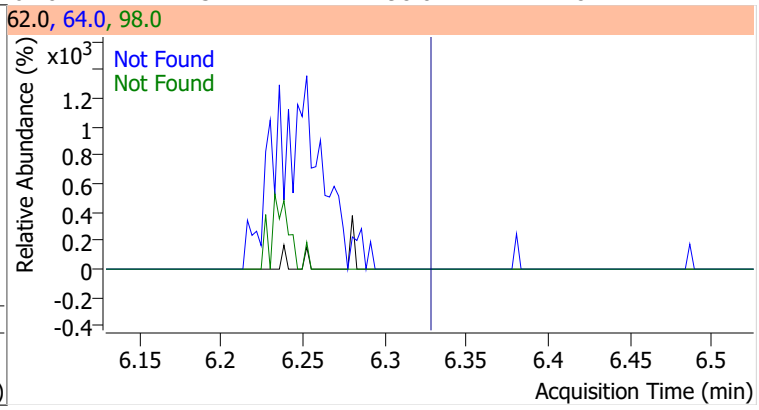
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



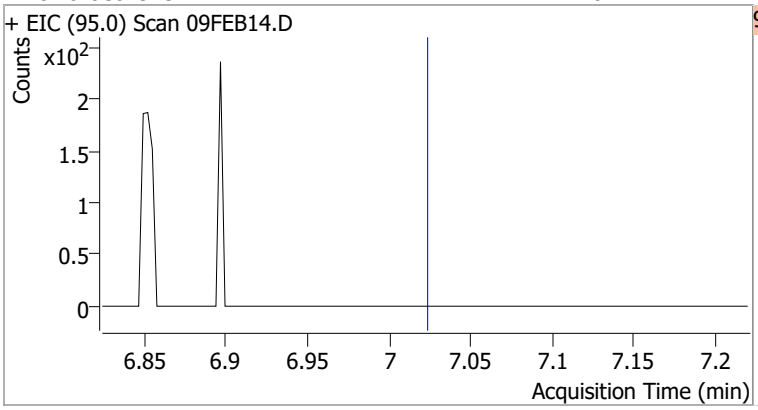


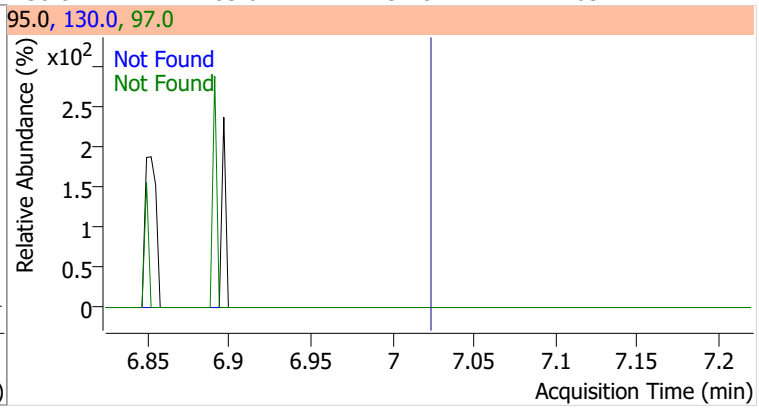
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



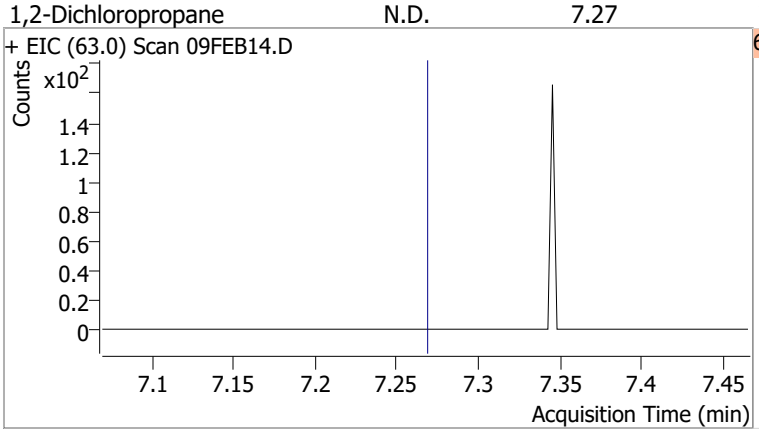


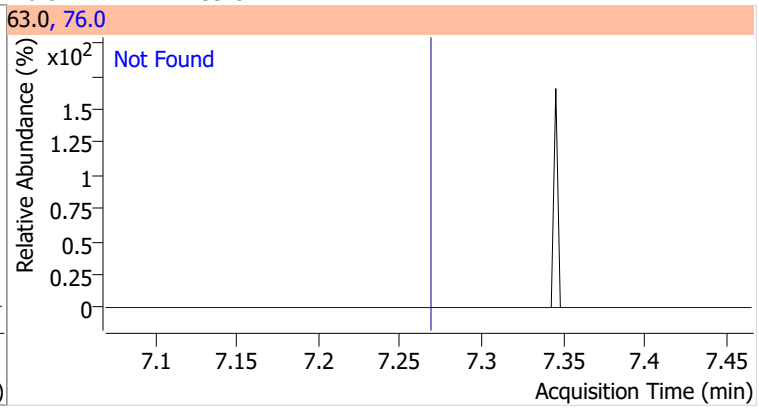
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



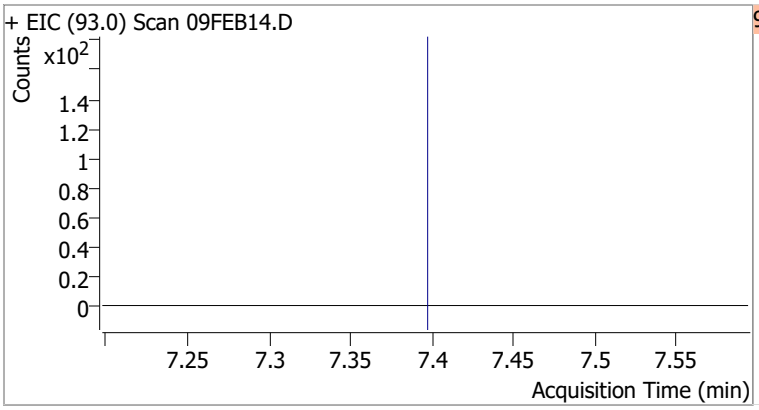


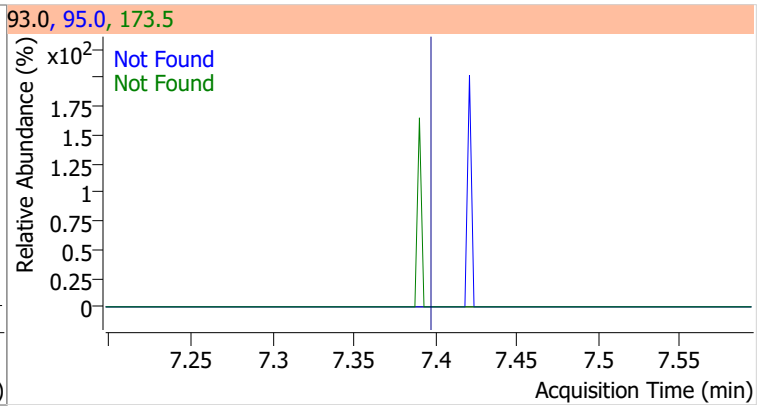
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



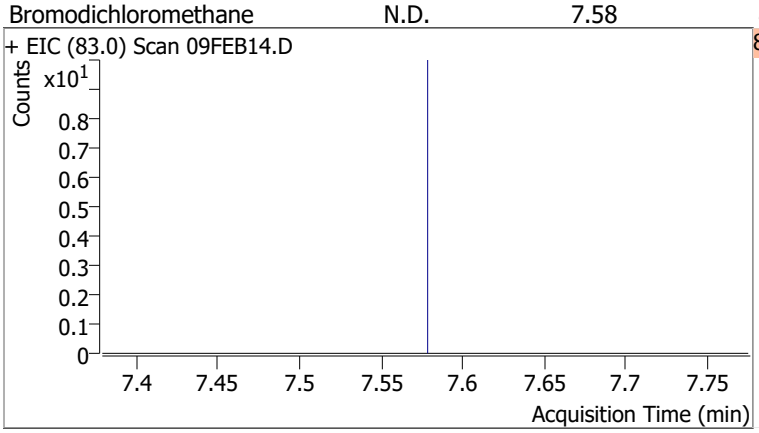


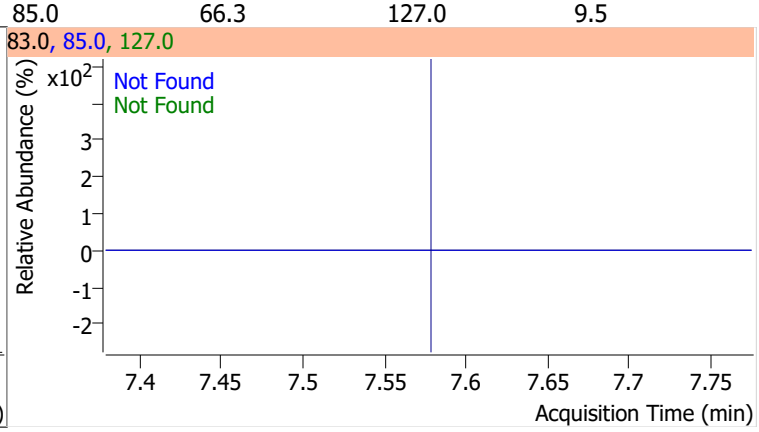
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



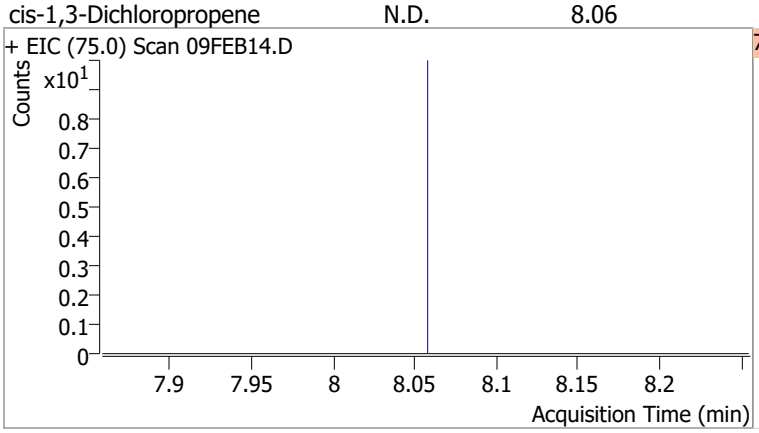


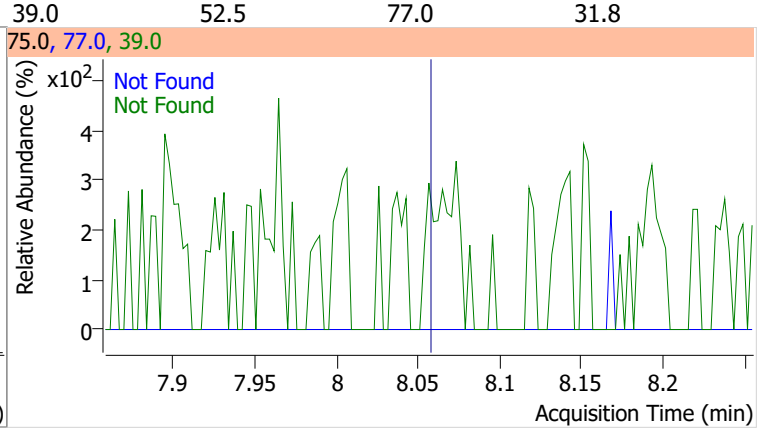
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



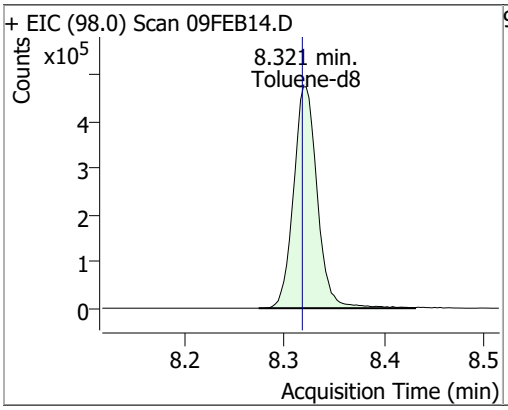


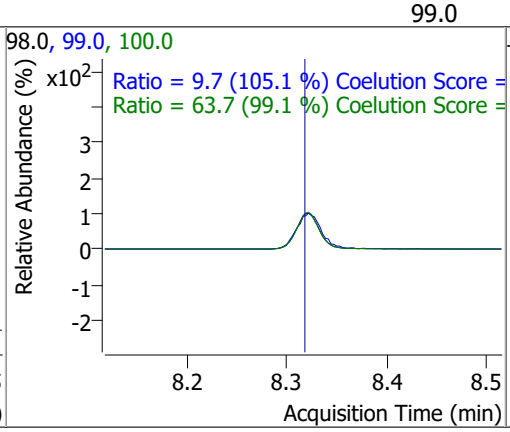
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

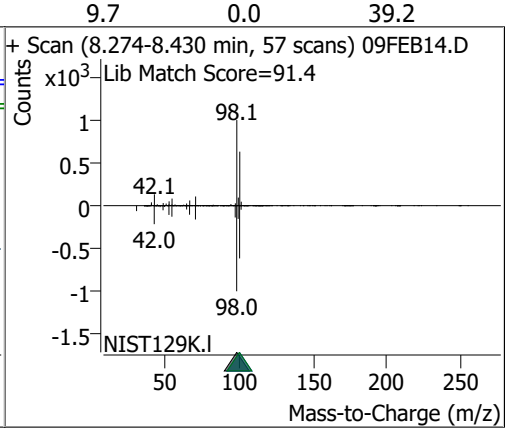




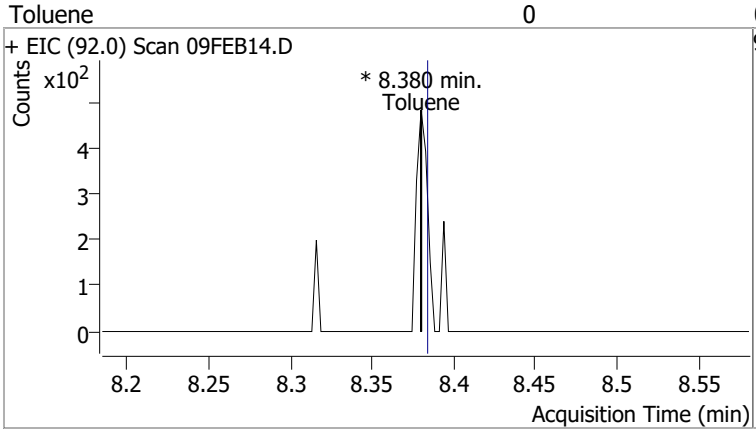
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	261.0699	8.32	0.00	782985	100.0	63.7	34.3	94.3
					99.0	9.7	0.0	39.2

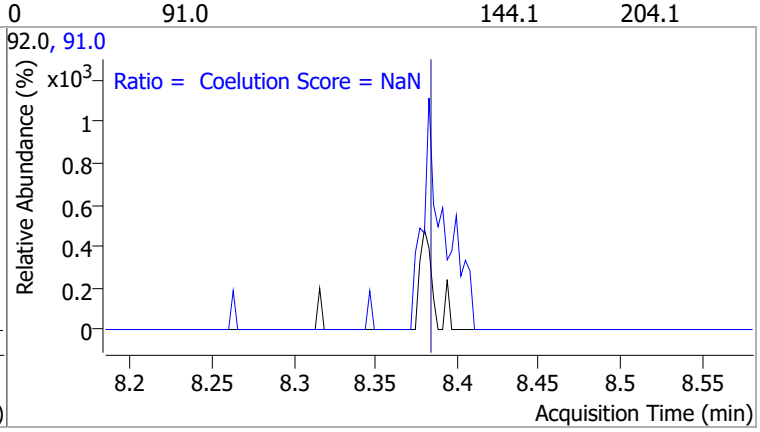




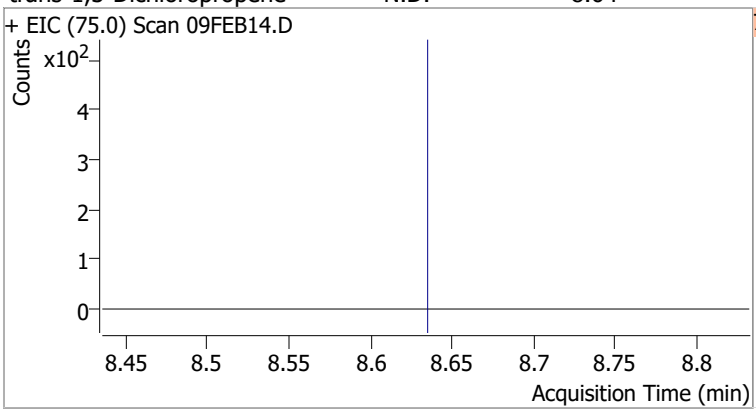


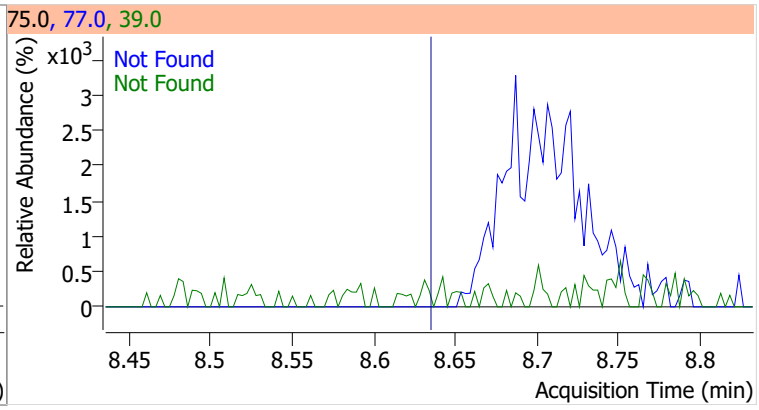
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene		0		0	91.0		144.1	204.1



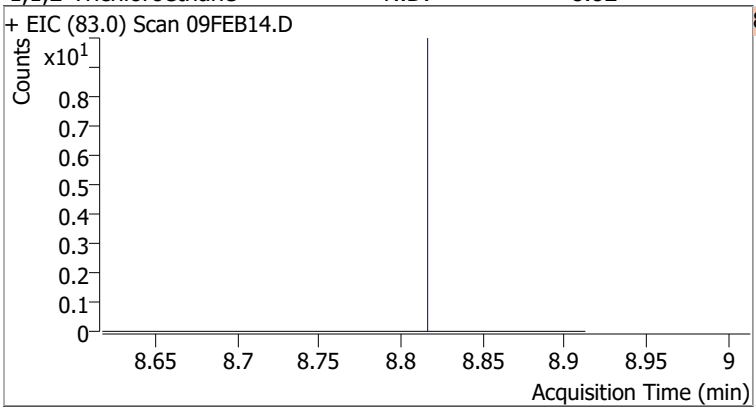


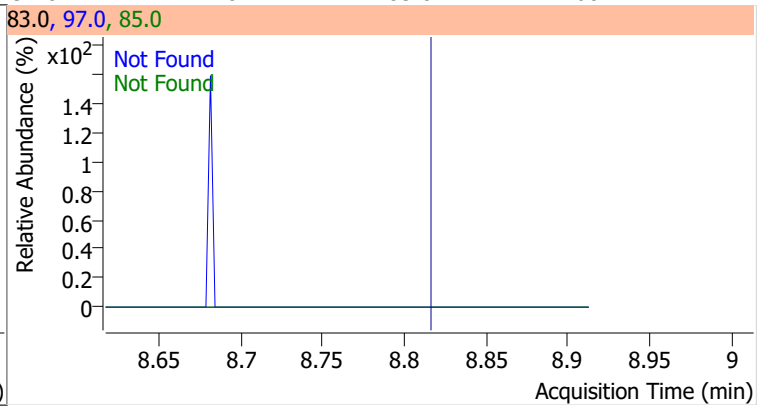
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



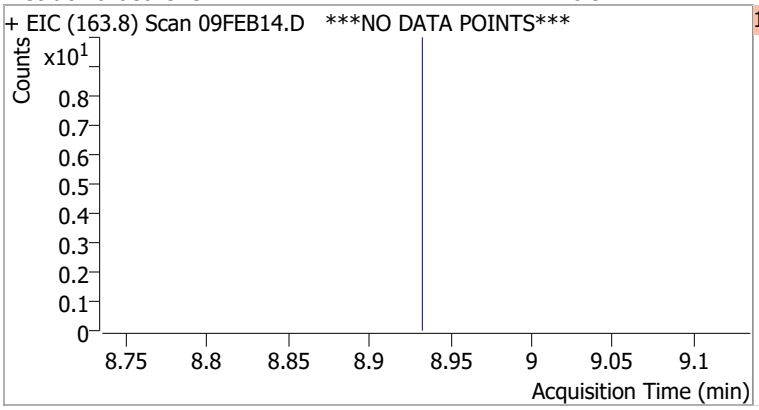


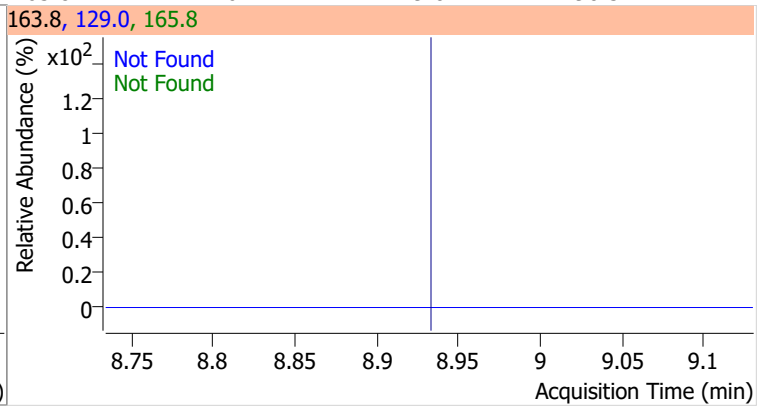
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



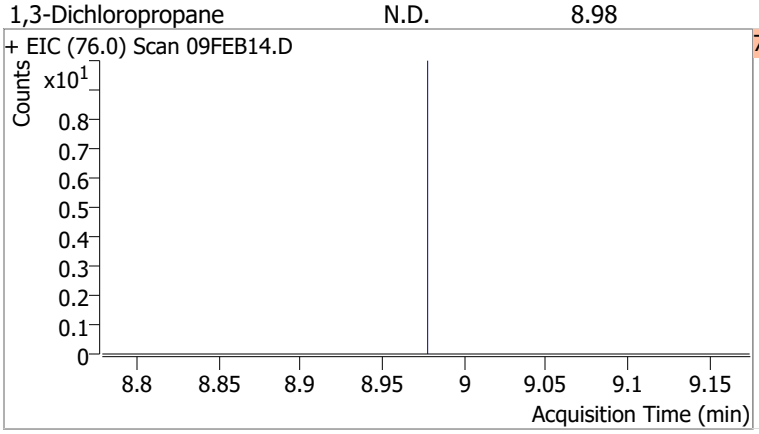


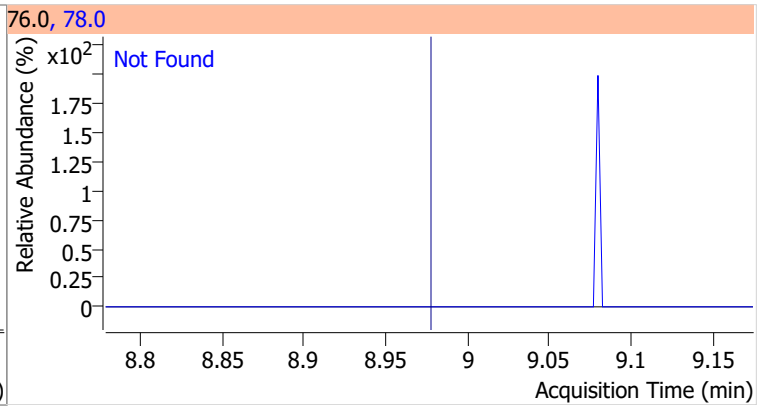
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



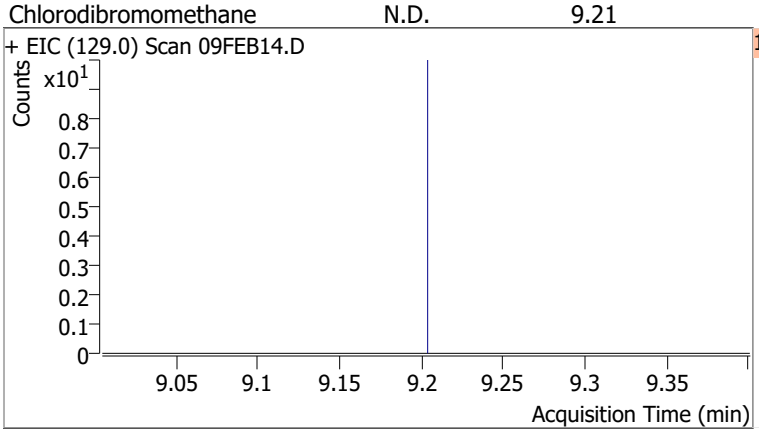


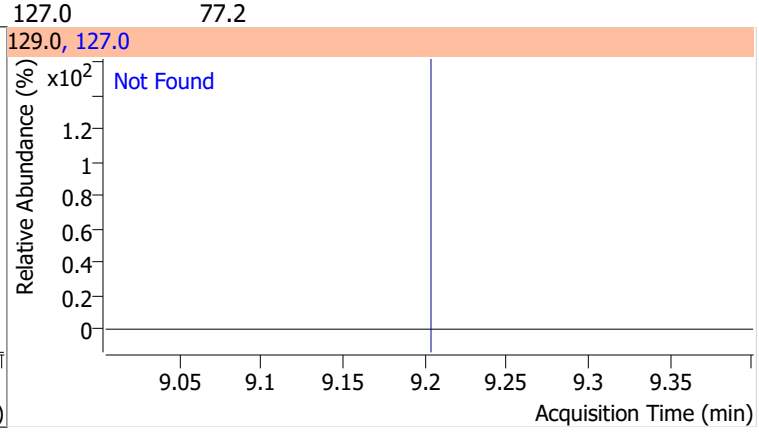
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



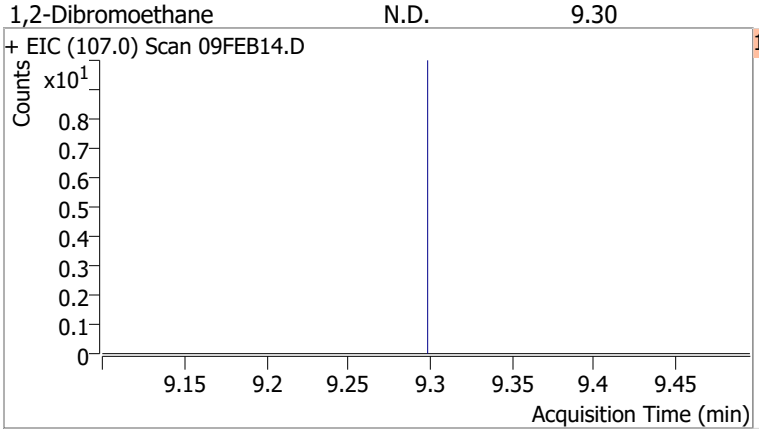


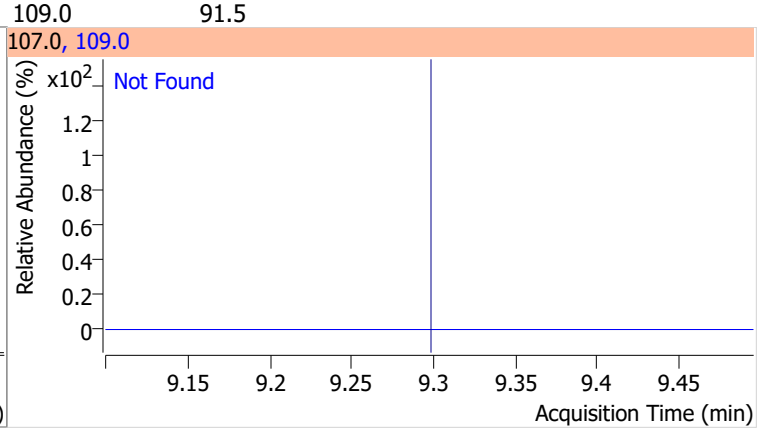
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



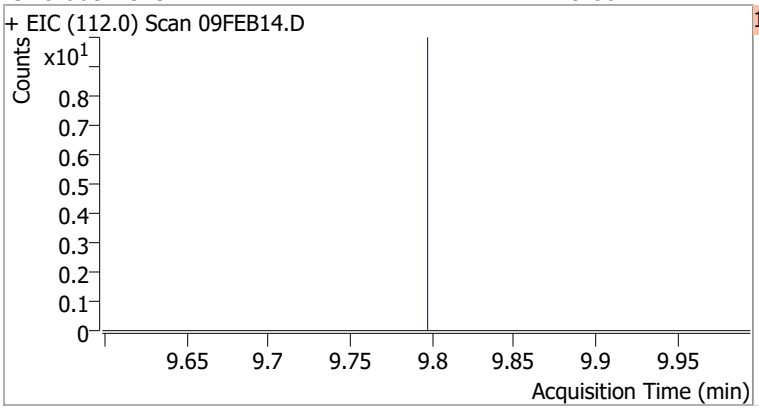


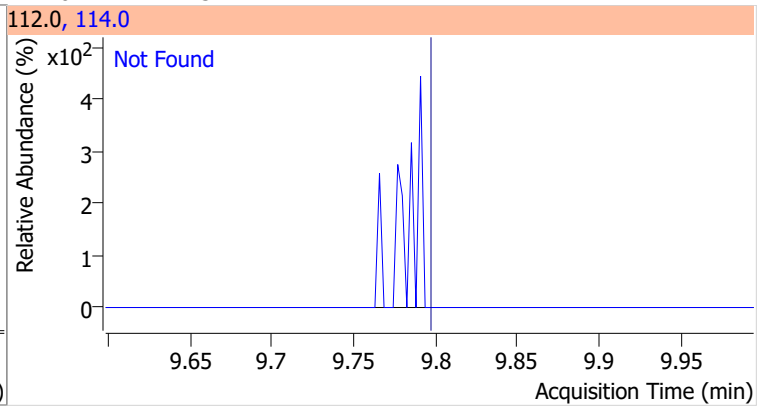
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



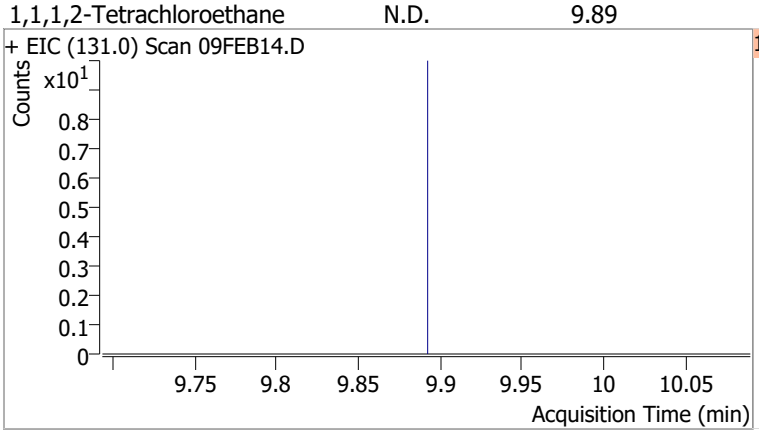


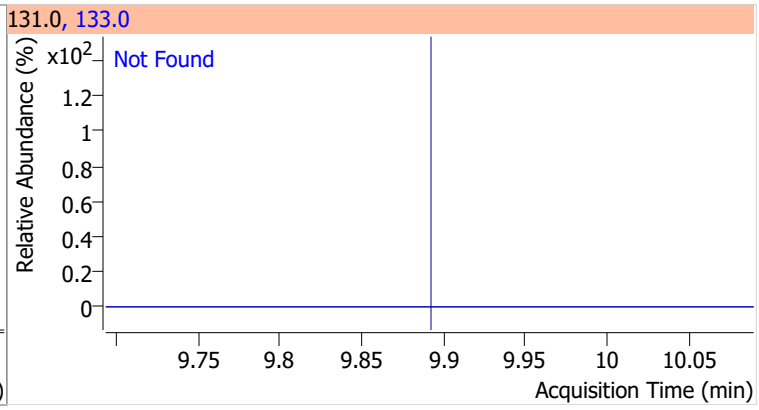
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



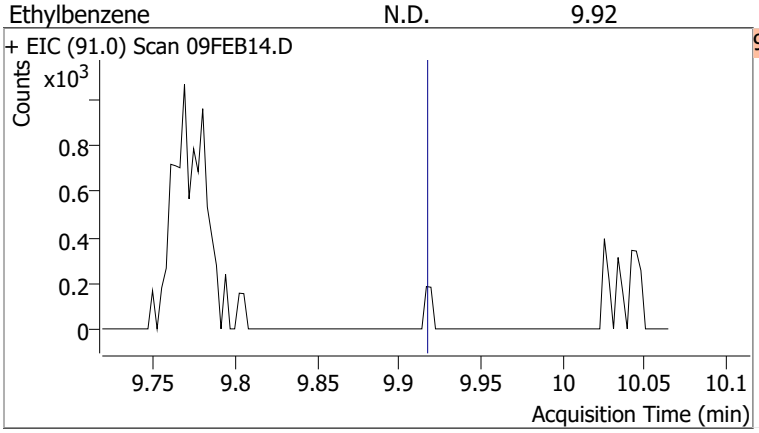


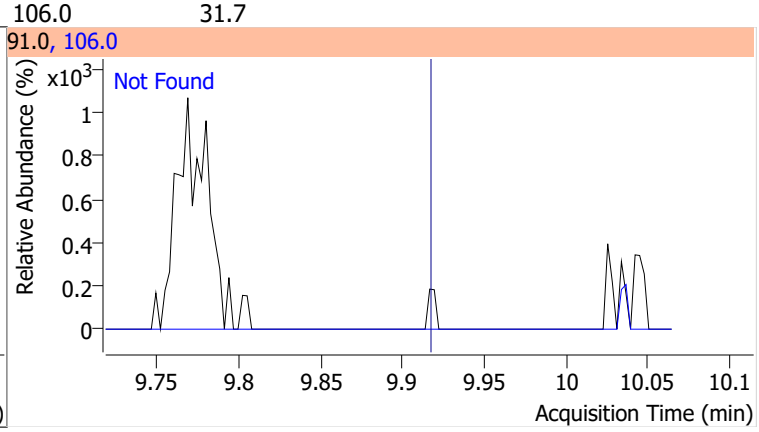
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



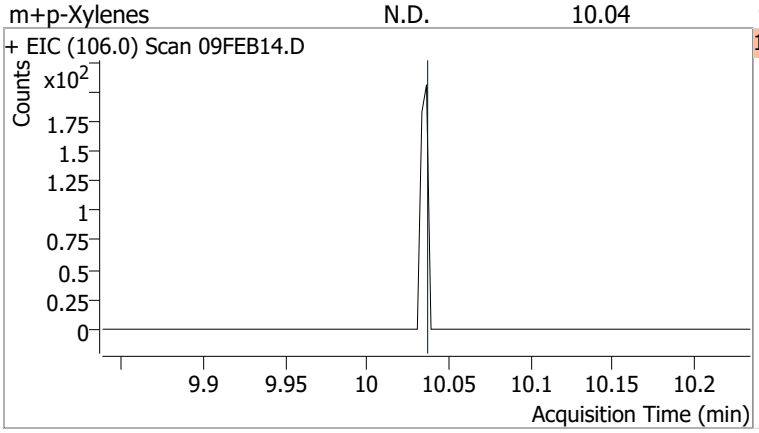


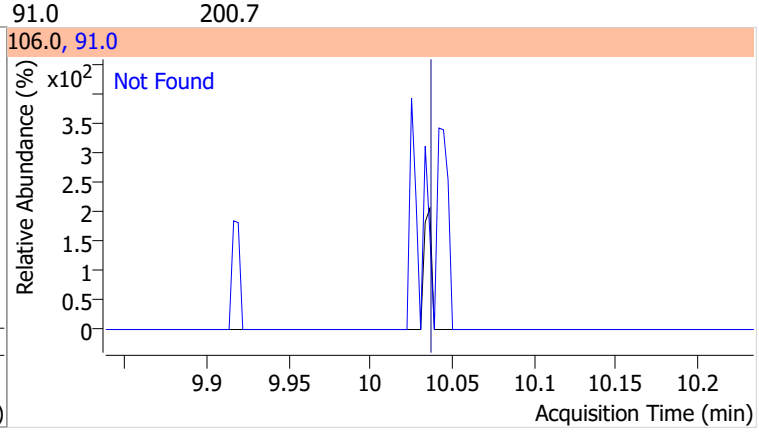
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



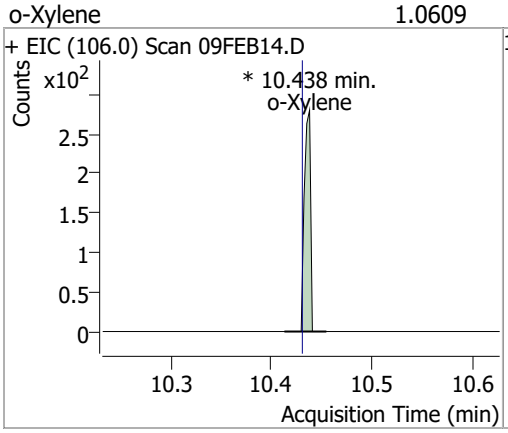


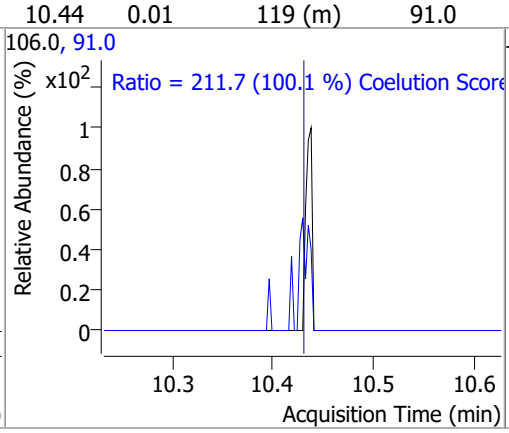
Compound	Conc.	Exp RT	QIon	Exp Ratio
m+p-Xylenes	N.D.	10.04	91.0	200.7

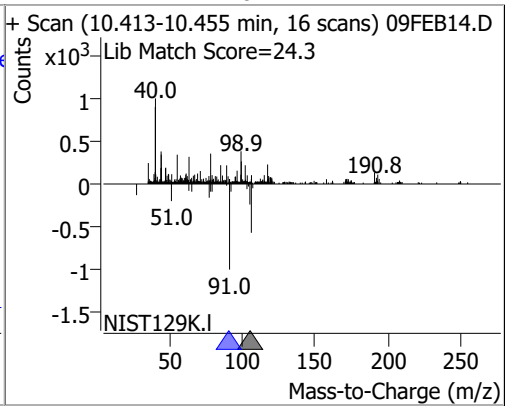




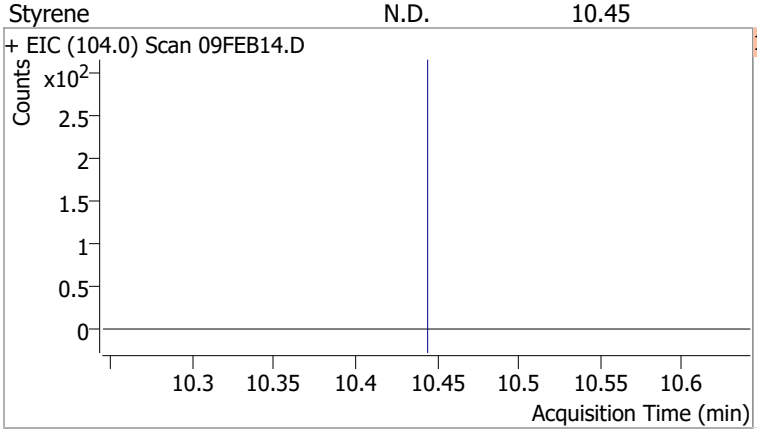
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	1.0609	10.44	0.01	119 (m)	91.0	211.7	181.4	241.4

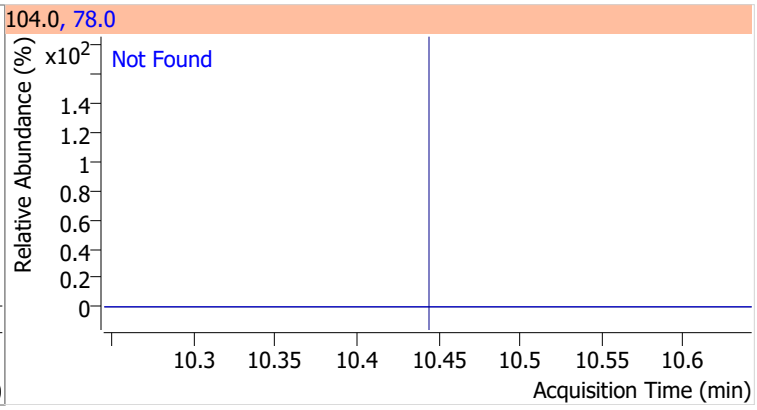




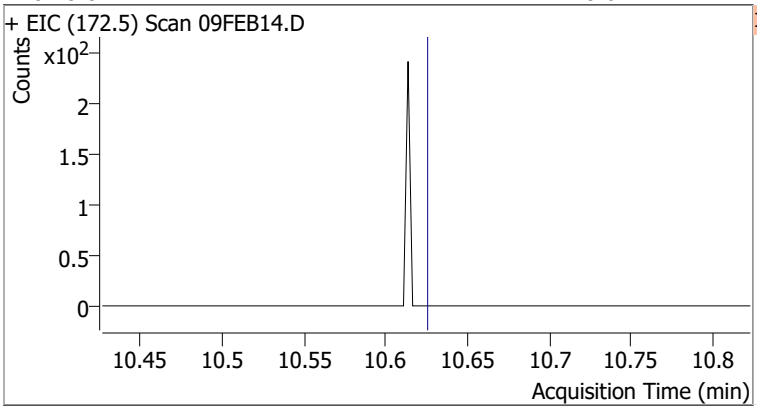


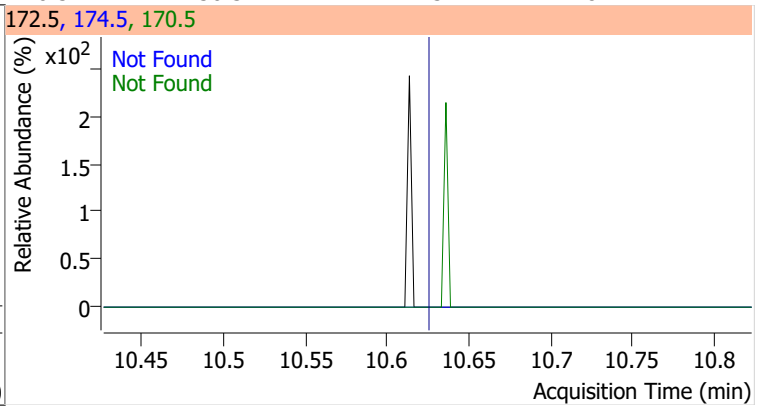
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



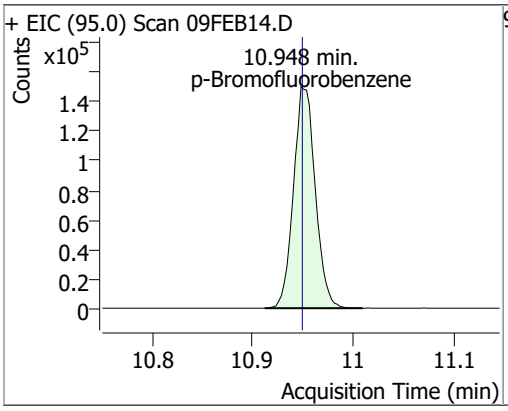


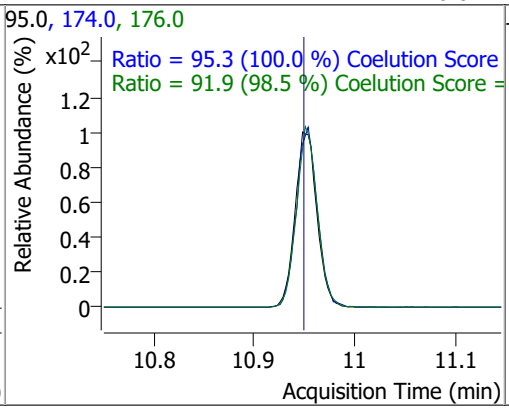
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

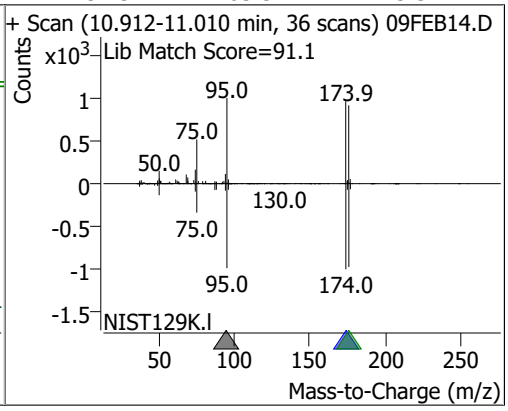




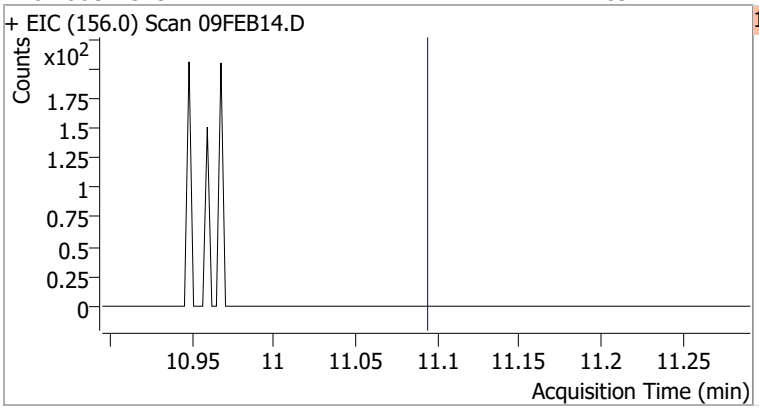
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	267.7704	10.95	0.00	226803	174.0	95.3	65.3	125.3
					176.0	91.9	63.3	123.3

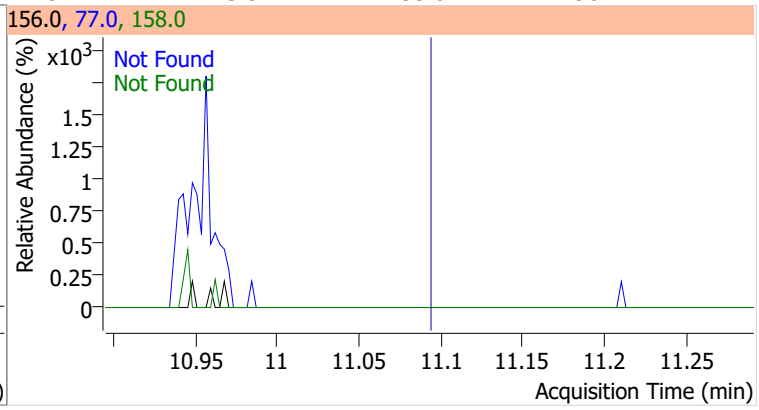




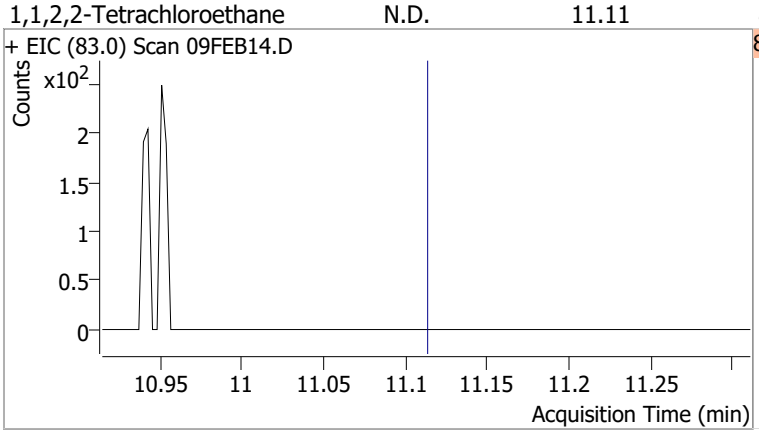


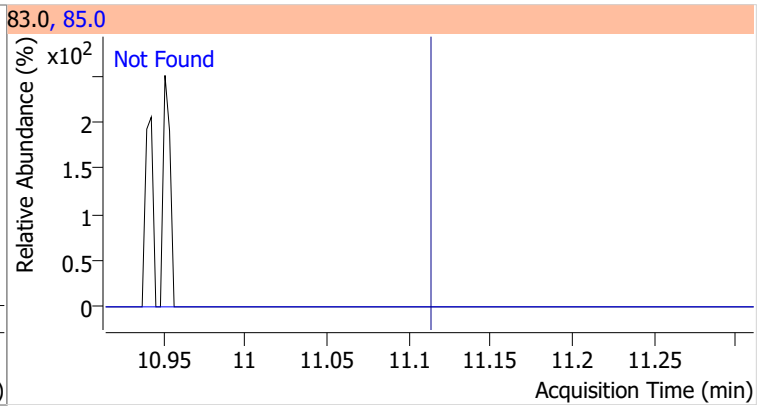
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



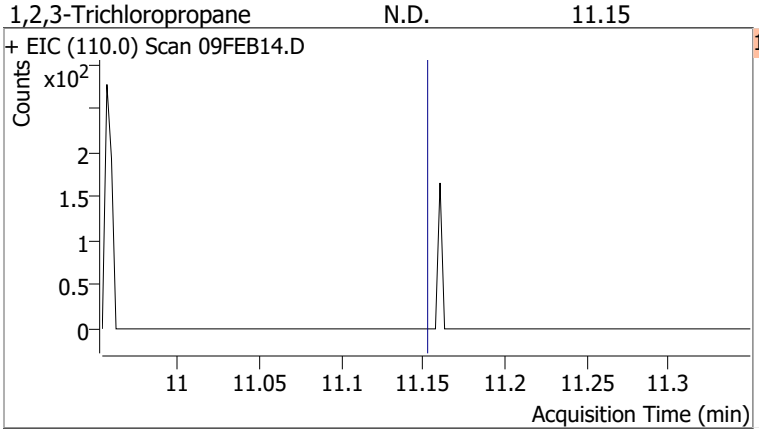


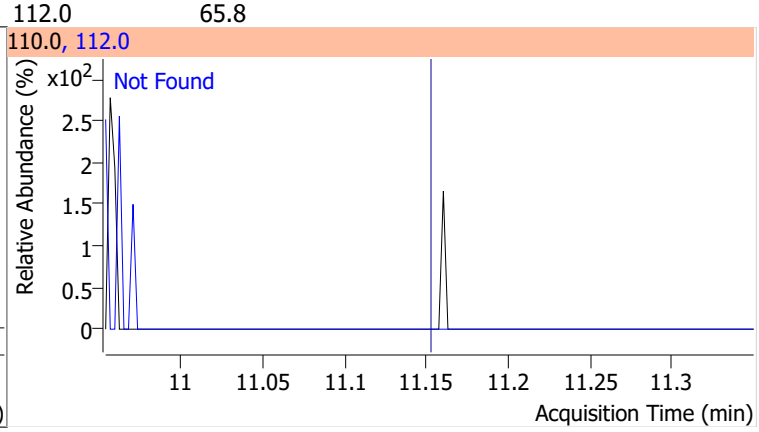
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



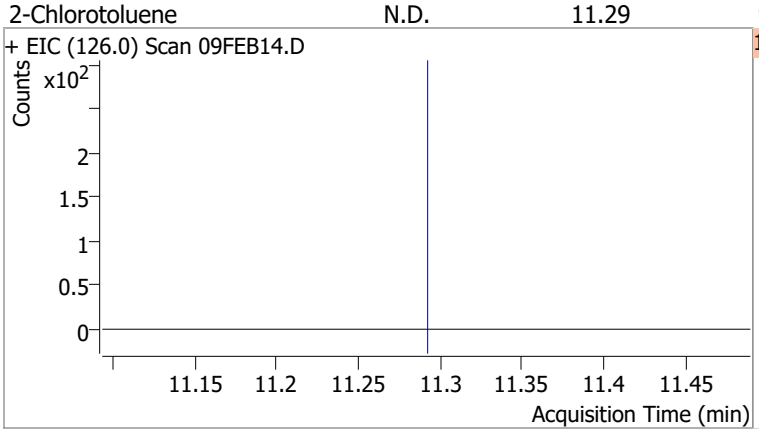


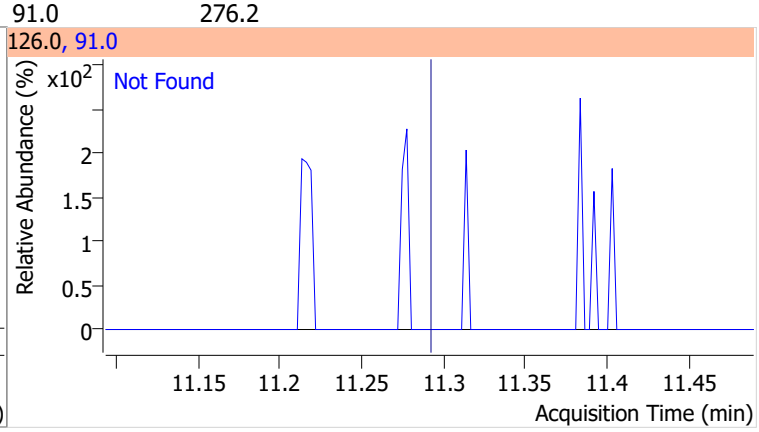
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



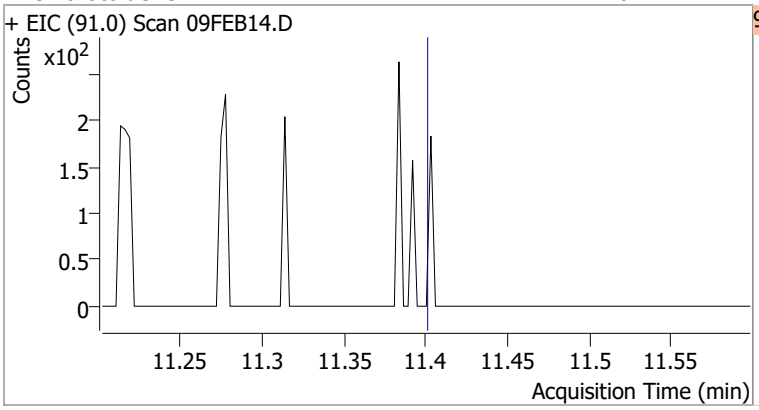


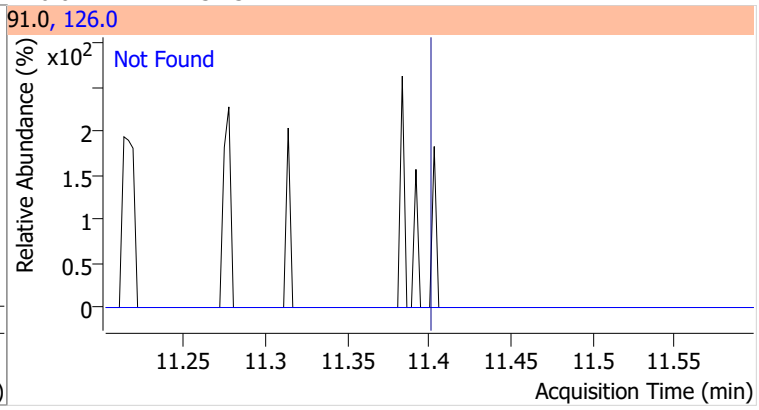
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



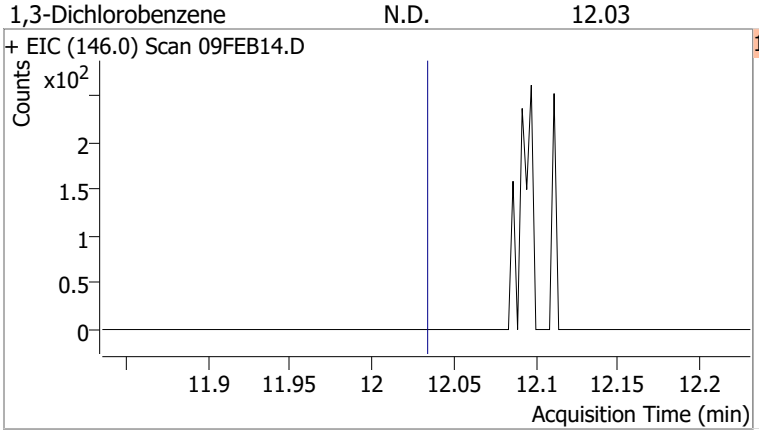


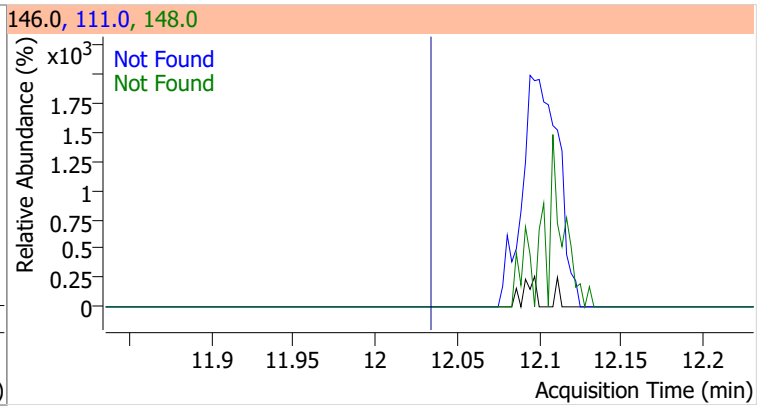
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



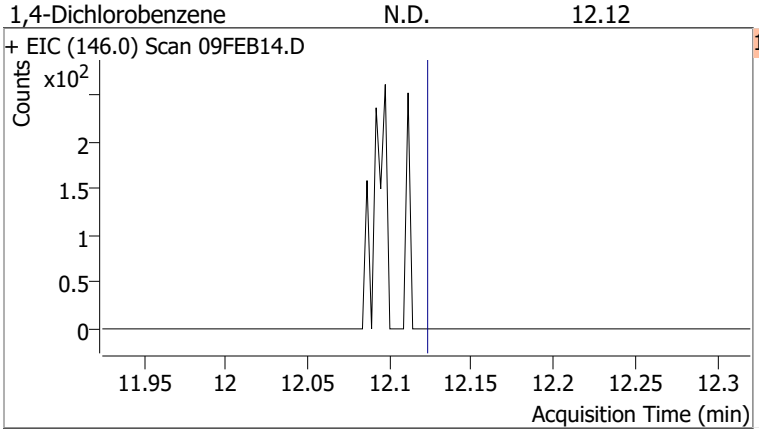


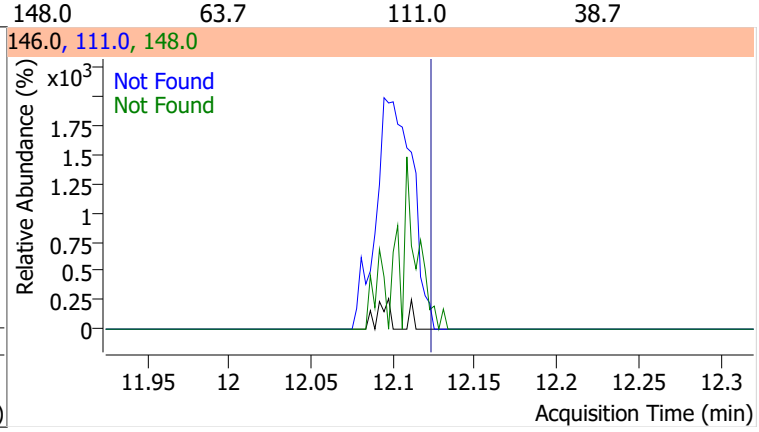
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



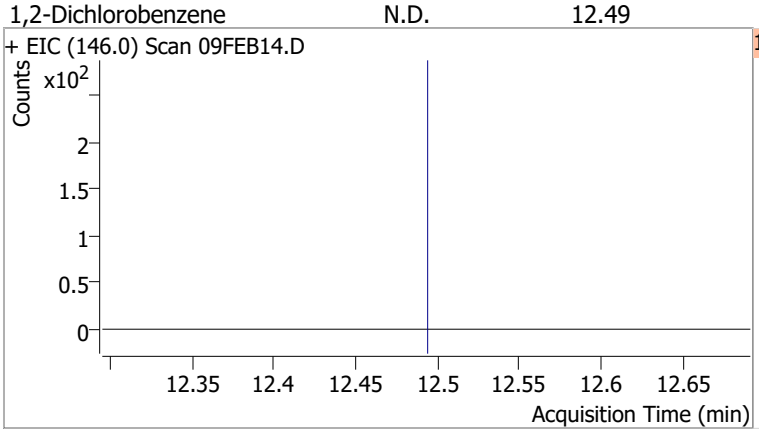


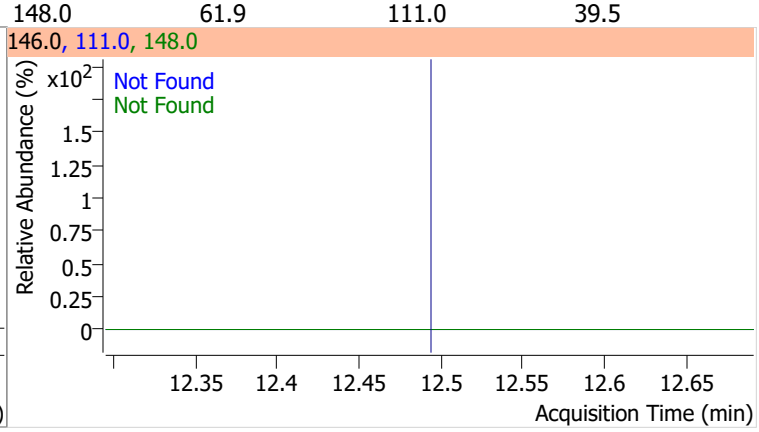
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





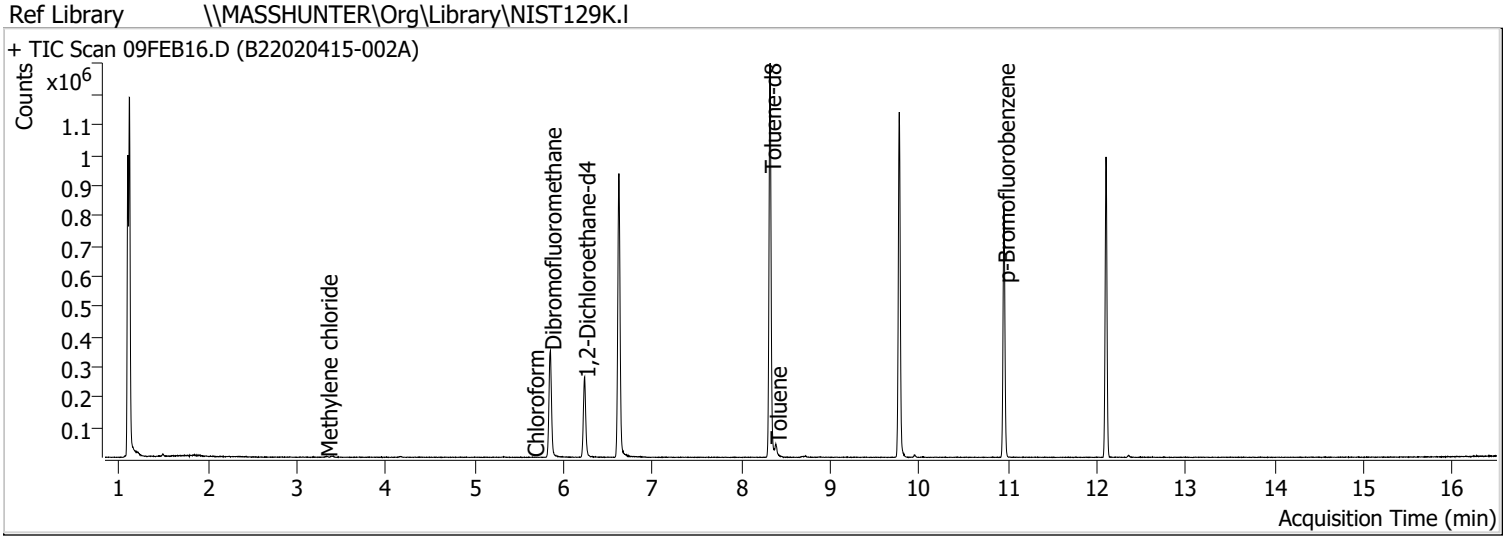
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB16.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 12:28:29 PM
Sample Name	B22020415-002A	Instrument	VOA5975C
Vial	16	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

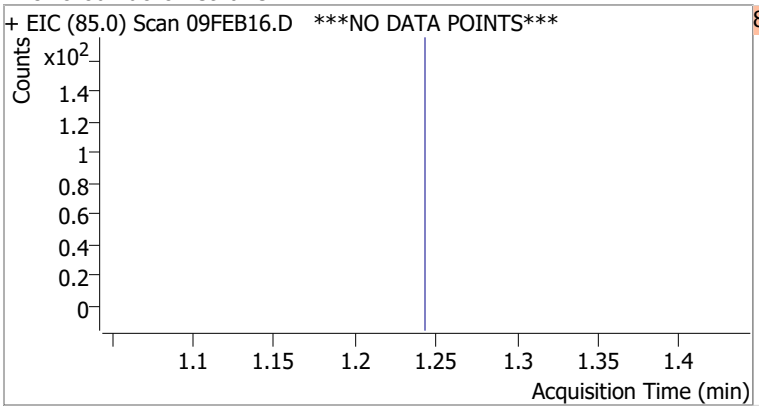


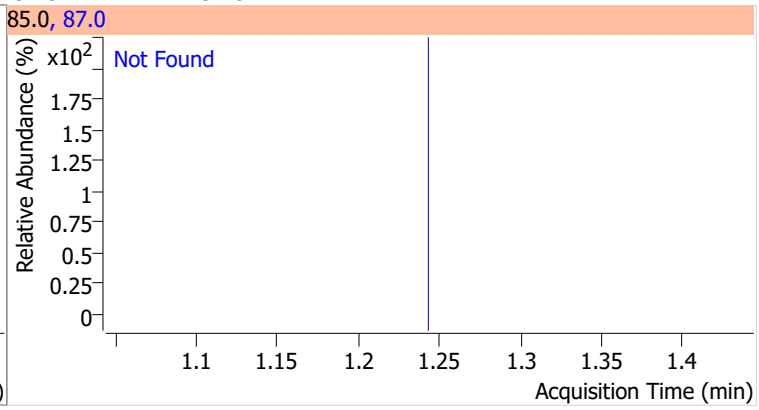
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	779090	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	306342	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	231974	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.851	113.0	211738	280.5916	ng		0.000
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 112.24%			
S 1,2-Dichloroethane-d4	6.233	67.0	92451	283.6157	ng		0.003
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 113.45%			
S Toluene-d8	8.321	98.0	796892	266.6385	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 106.66%			
S p-Bromofluorobenzene	10.951	95.0	227506	265.6223	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 106.25%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	0.000		0	N.D.			
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.333	49.0	2005	1.7605	ng	m	96
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	5.655	83.0	107	0.0707	ng	m	86

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	8.386	92.0	11325	5.6849	ng		93
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	10.036	106.0	0		ng	md	1
T o-Xylene	0.000		0	N.D.			
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

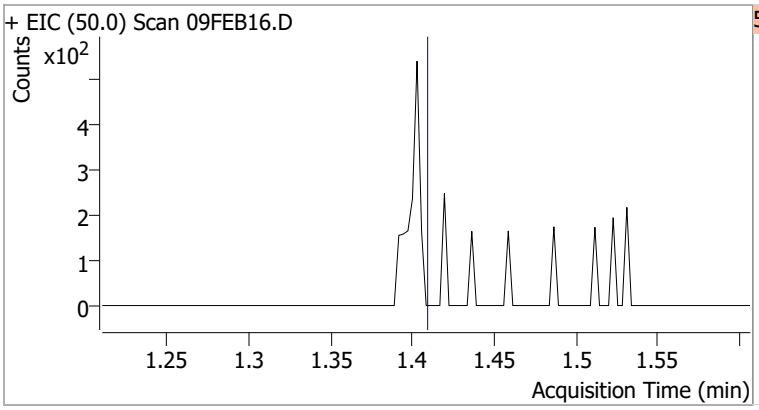
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

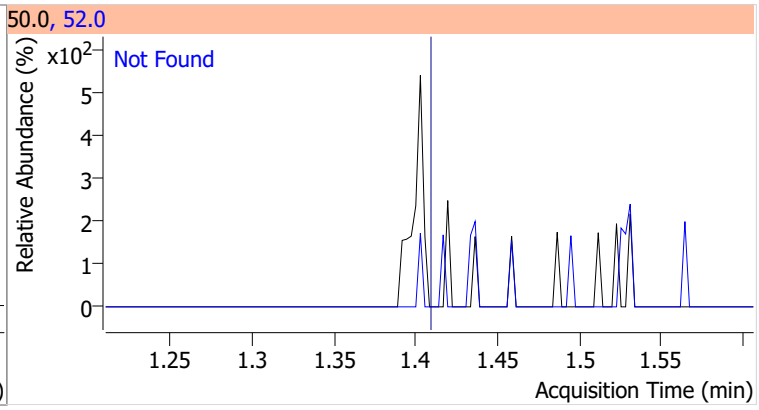
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8



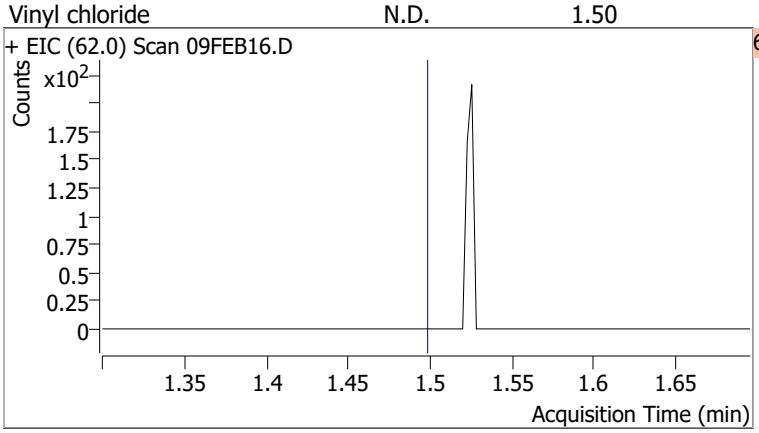


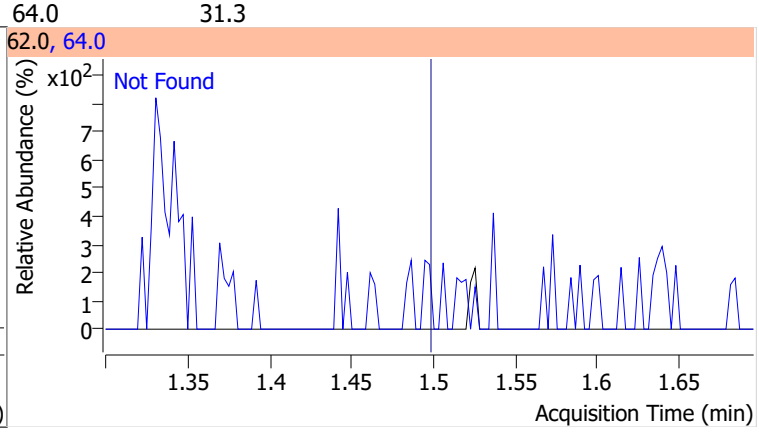
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloromethane	N.D.	1.41	52.0	32.4



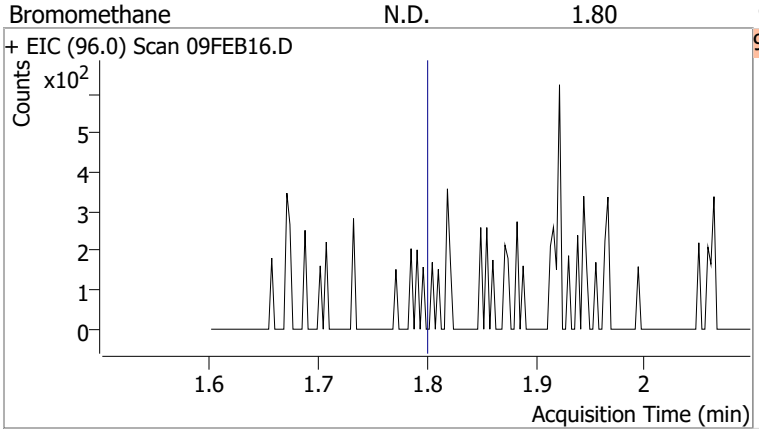


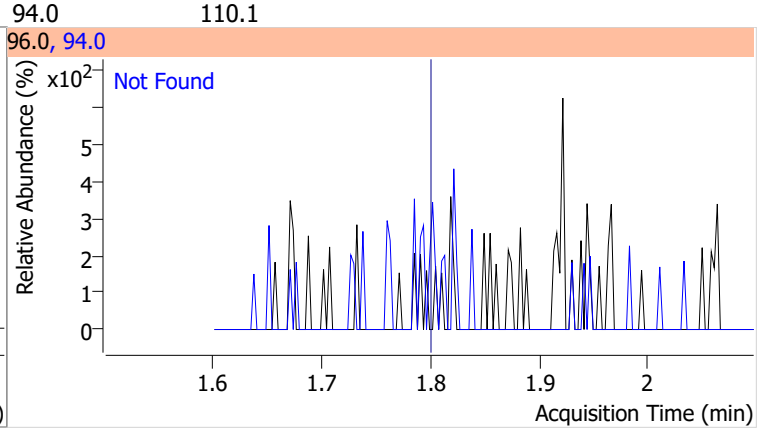
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



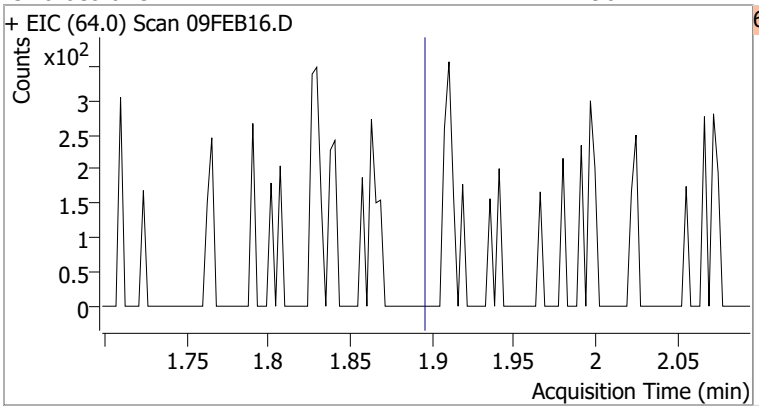


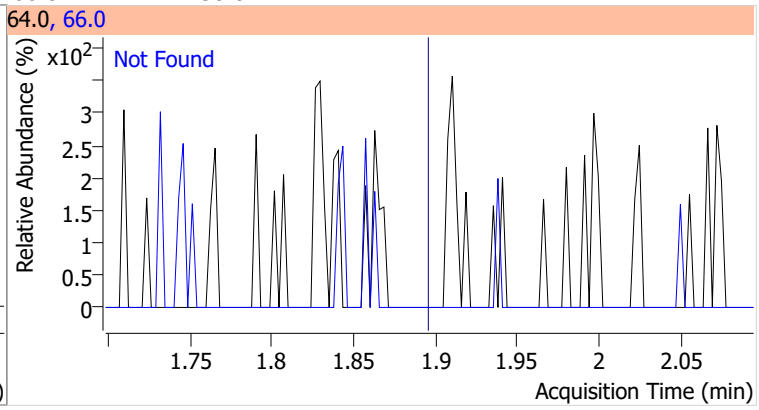
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



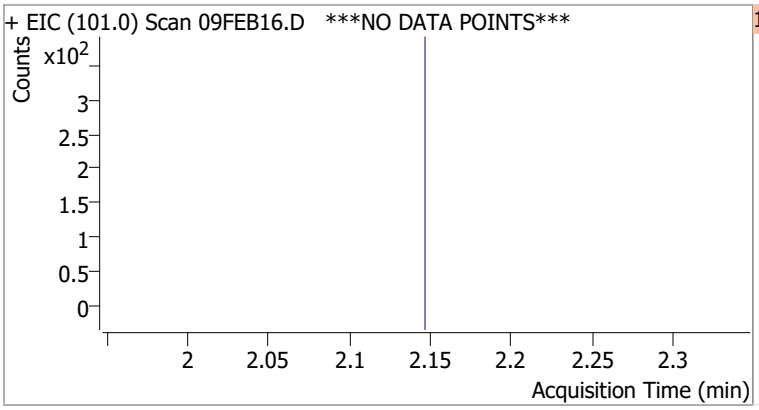


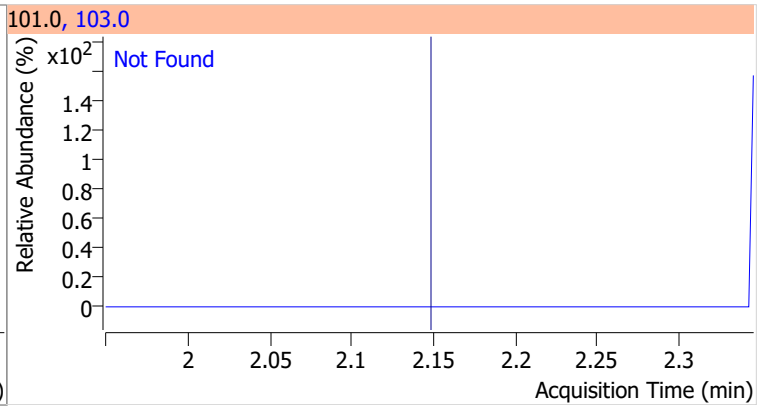
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



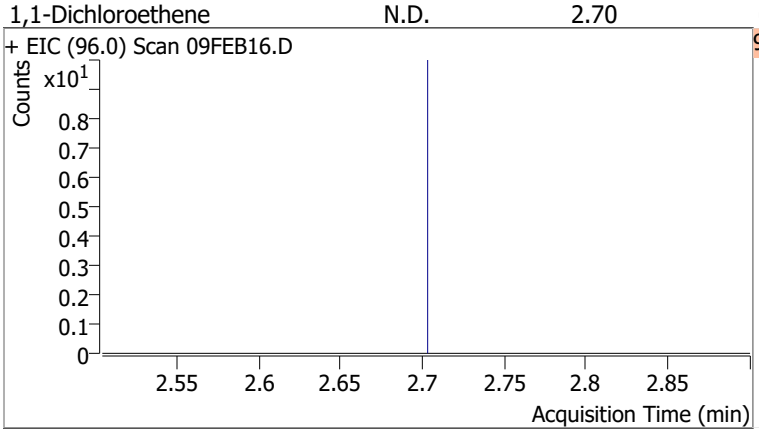


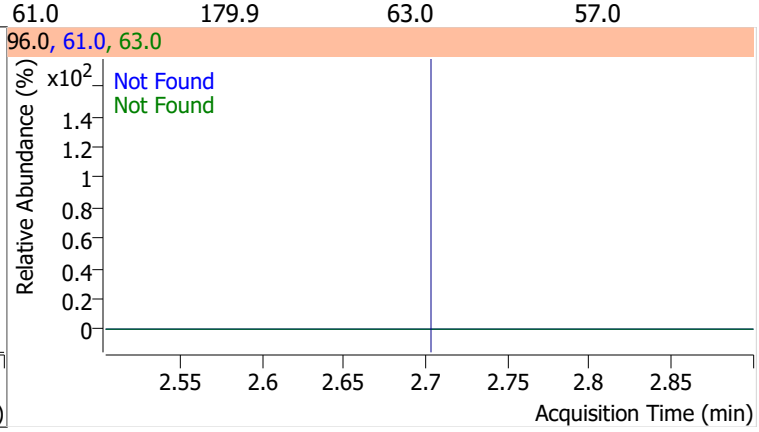
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



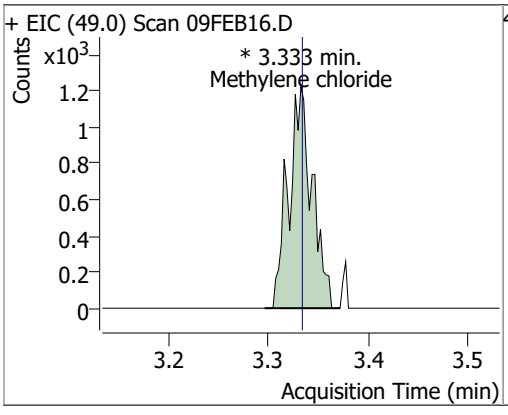


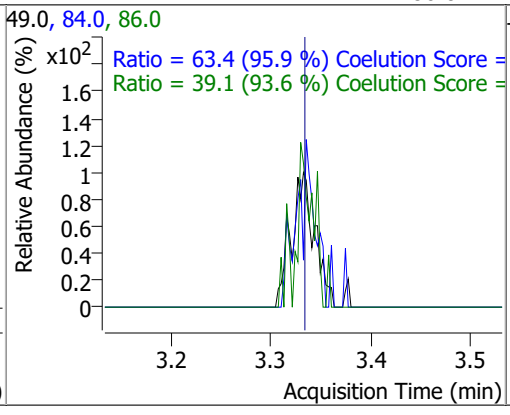
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

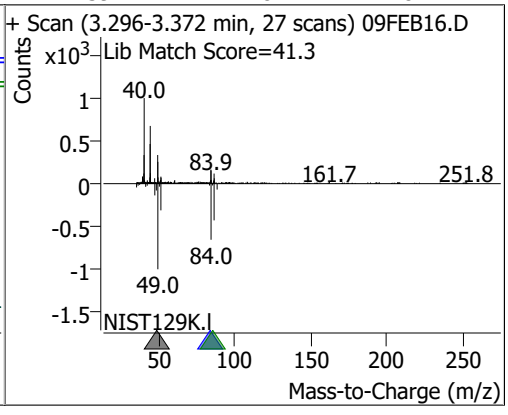




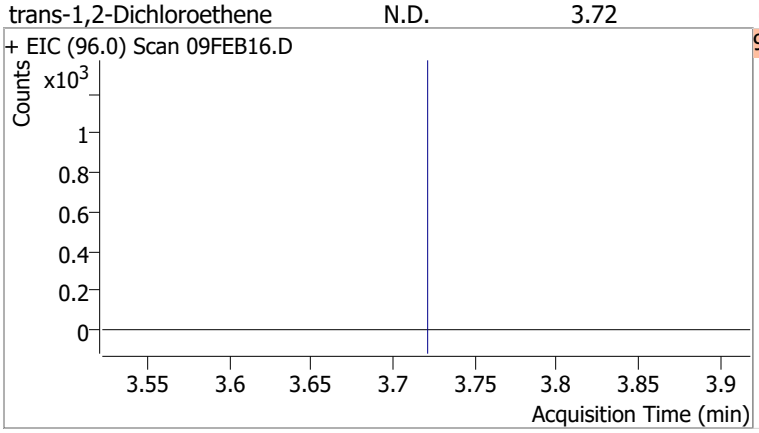
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	1.7605	3.33	0.00	2005 (m)	84.0	63.4	36.1	96.1
					86.0	39.1	11.8	71.8

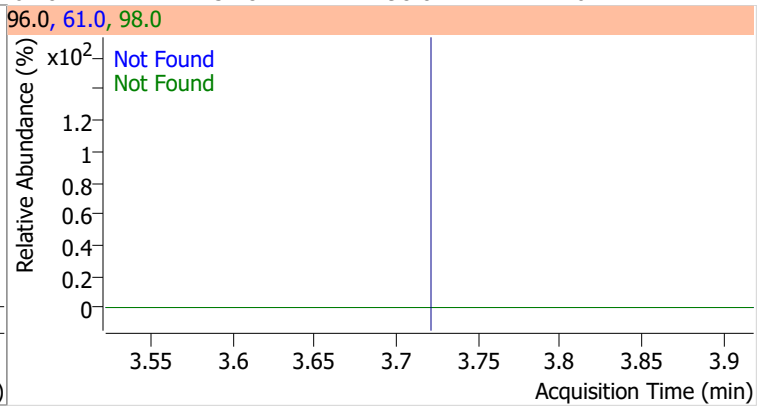




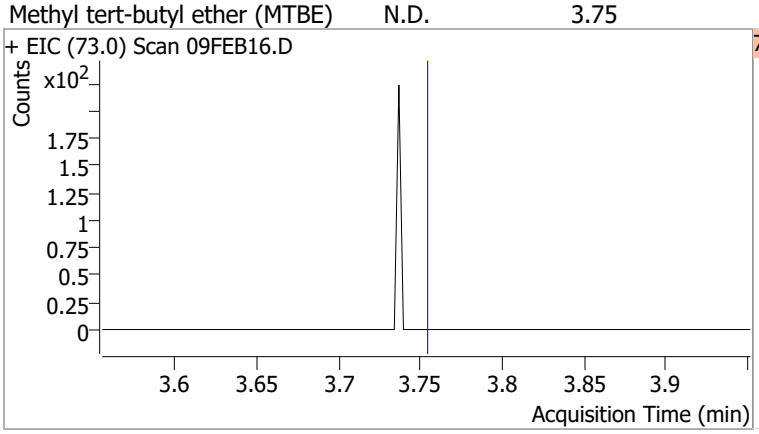


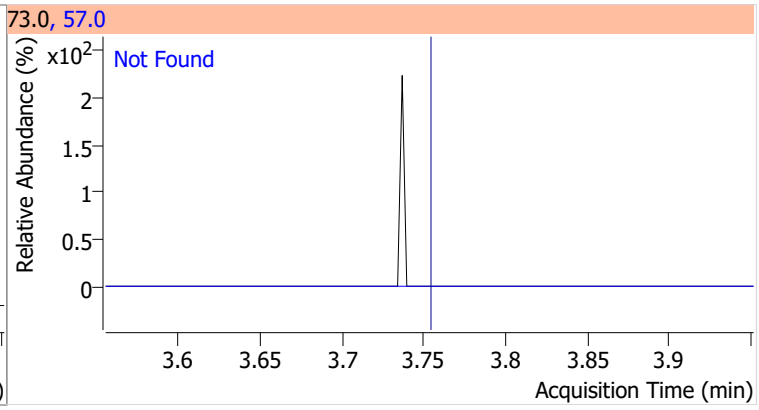
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



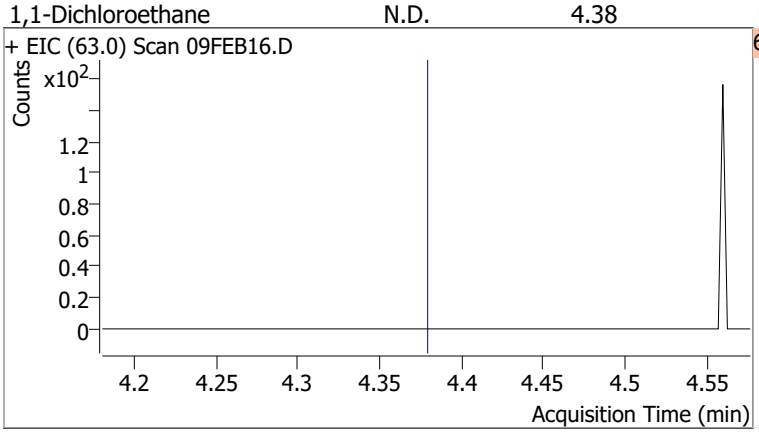


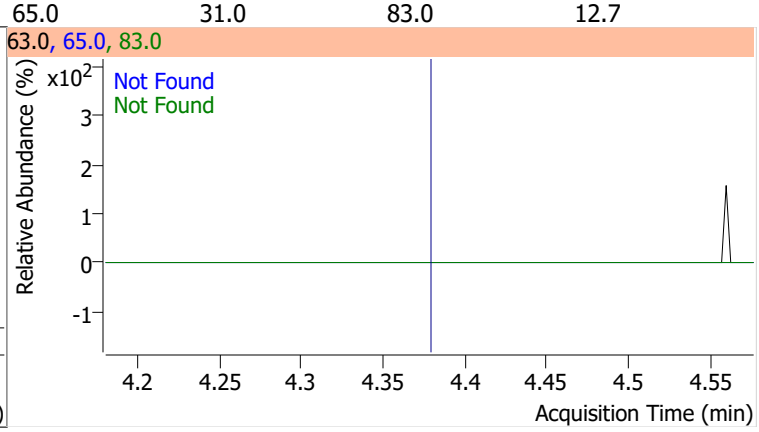
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



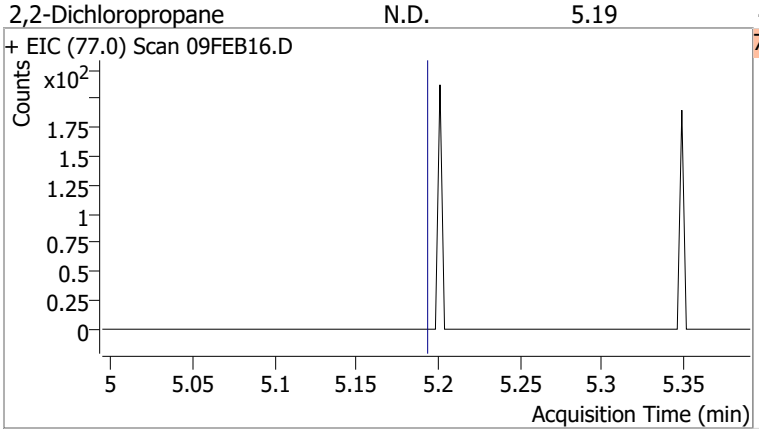


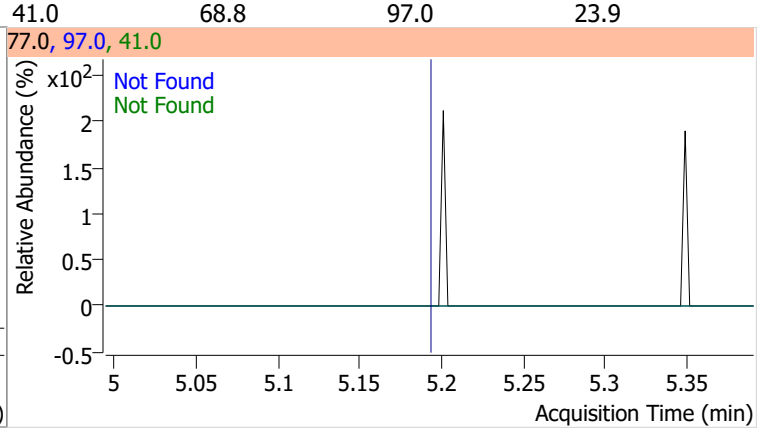
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



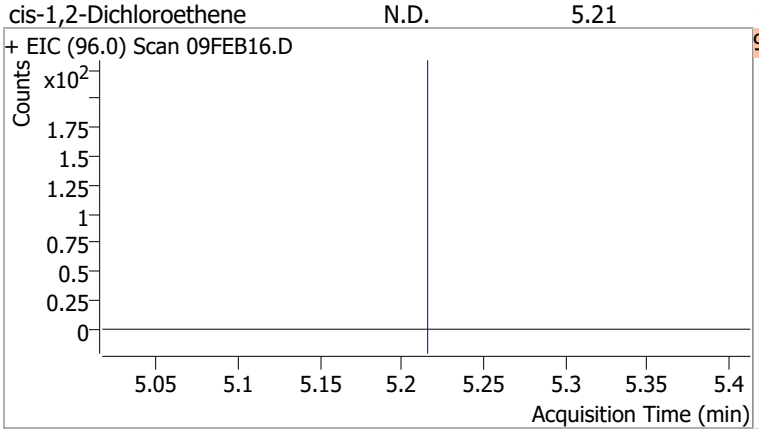


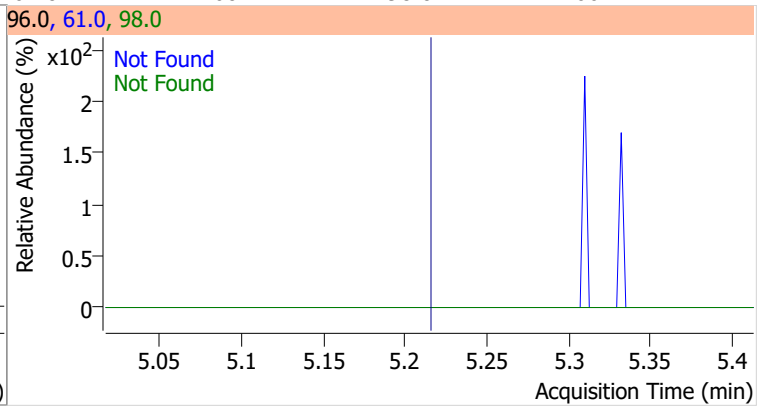
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



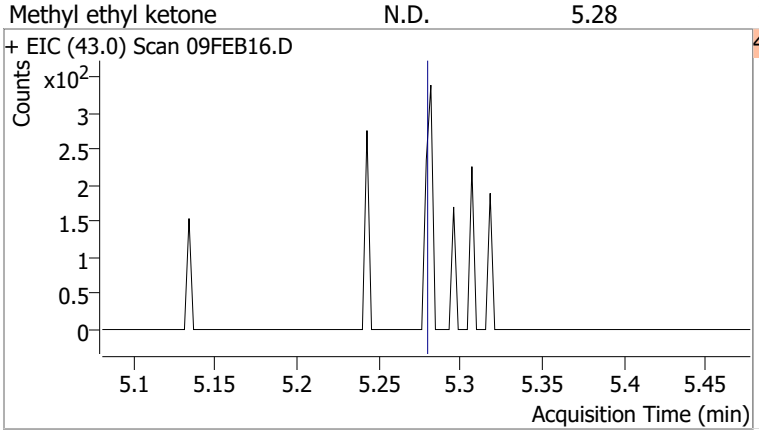


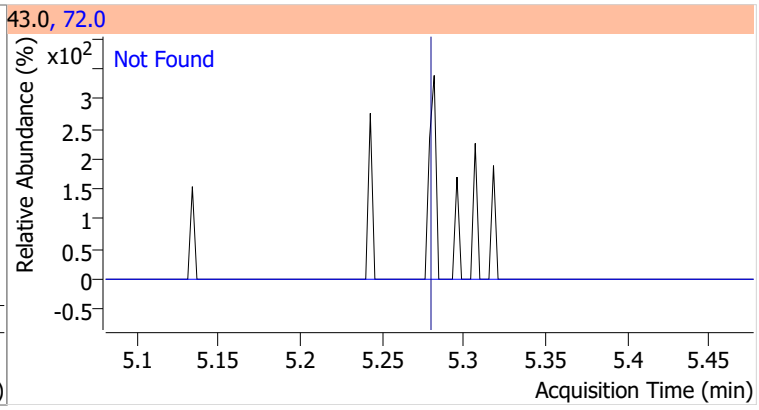
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



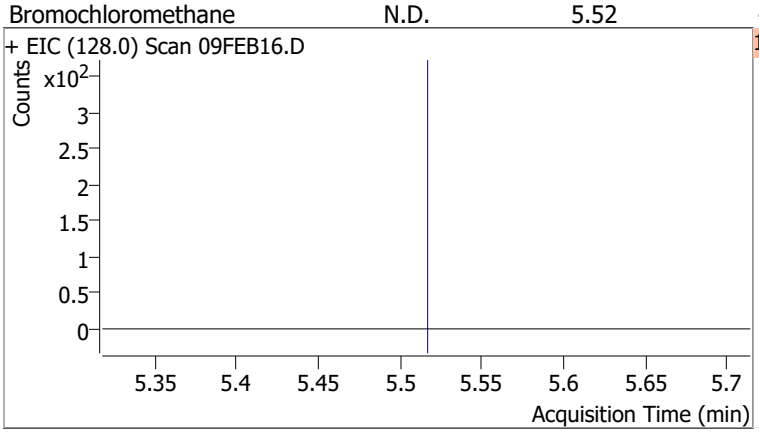


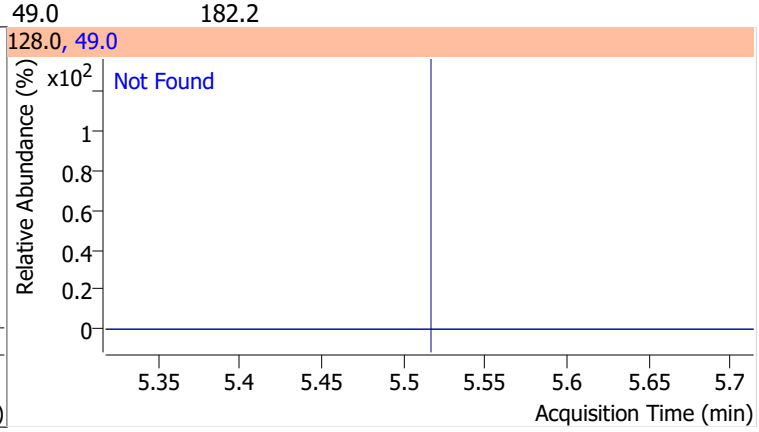
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



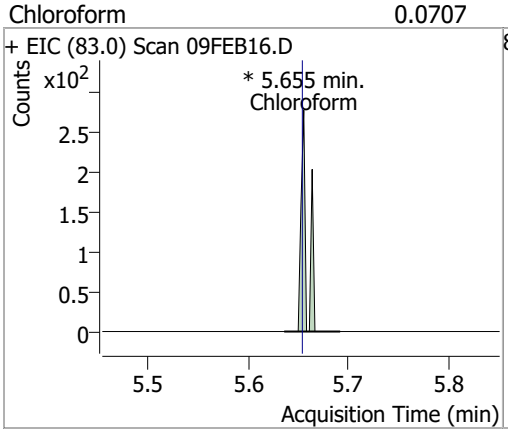


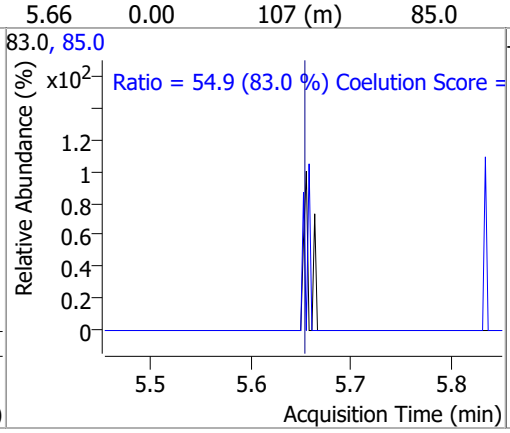
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2

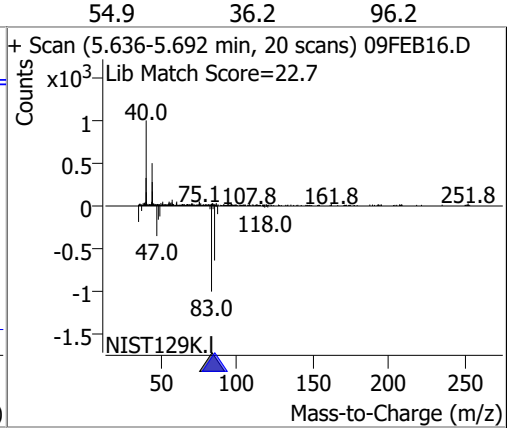




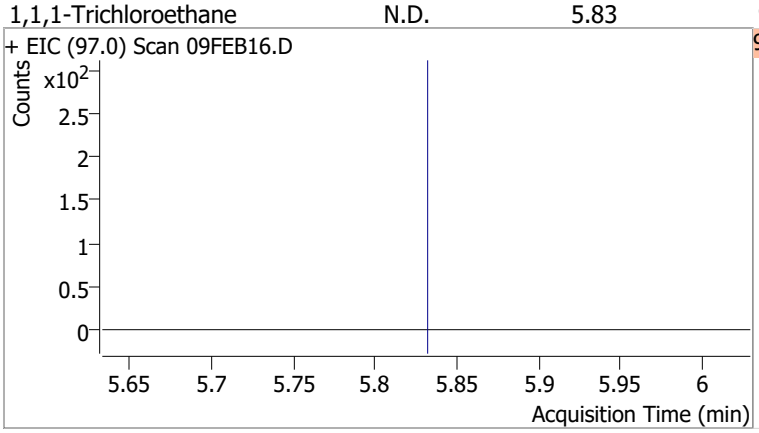
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	0.0707	5.66	0.00	107 (m)	85.0	54.9	36.2	96.2

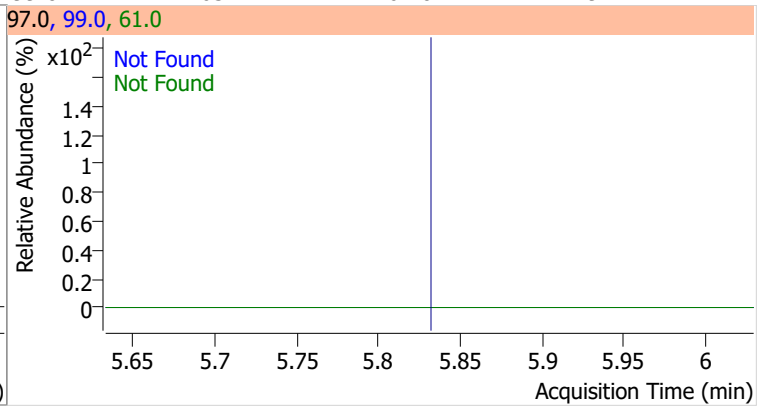




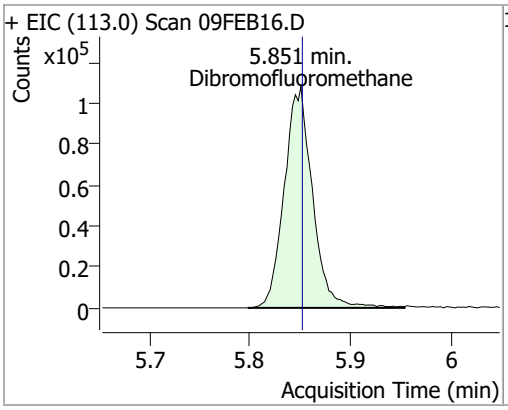


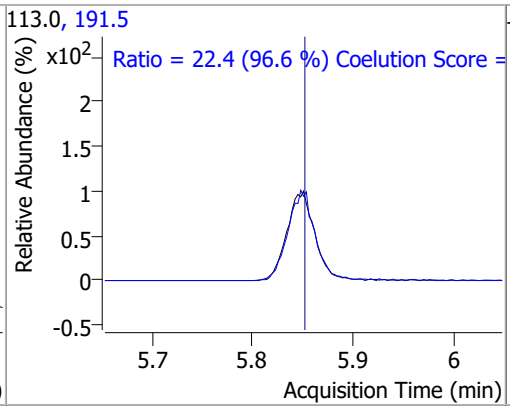
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

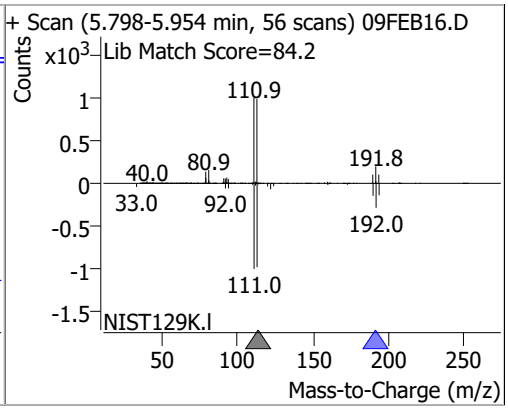




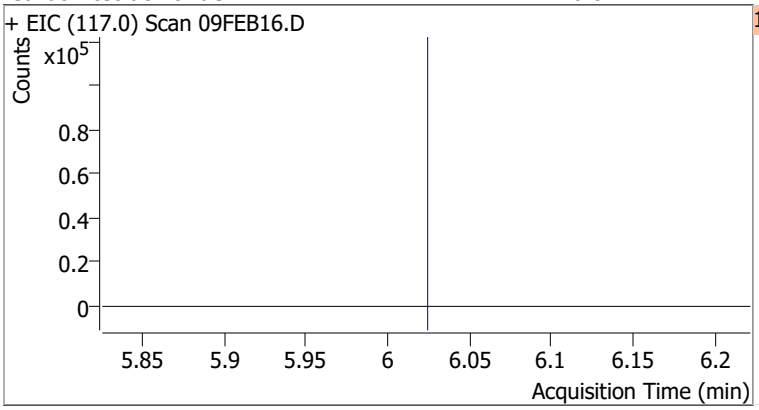
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	280.5916	5.85	0.00	211738	191.5	22.4	0.0	53.2

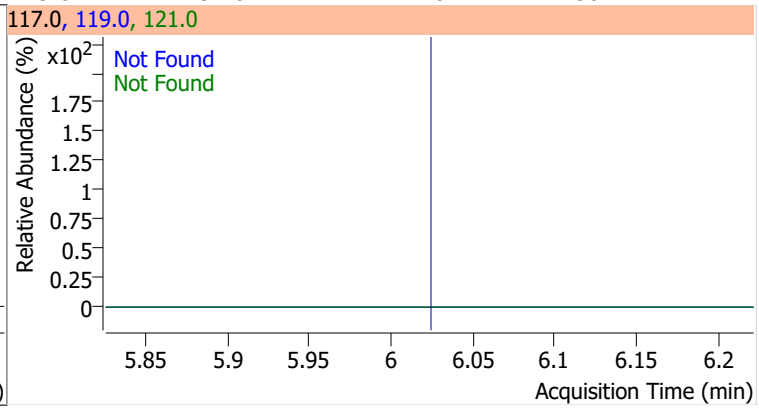




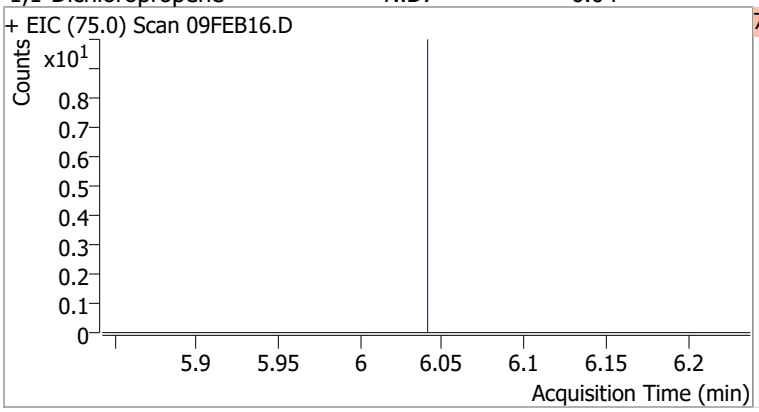


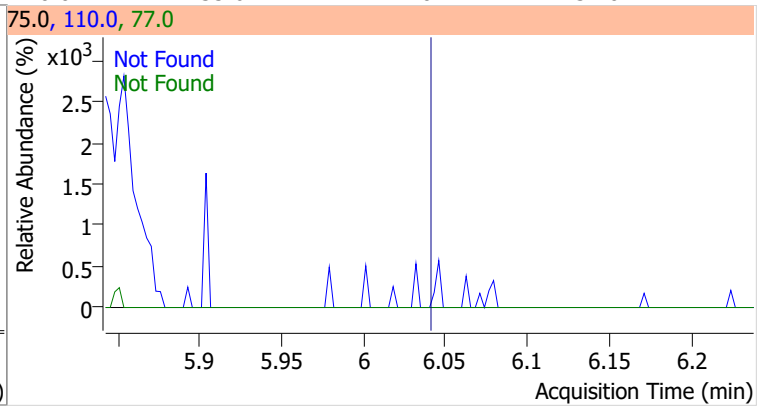
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7



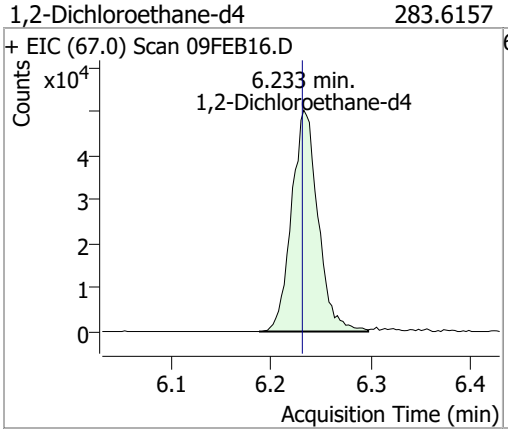


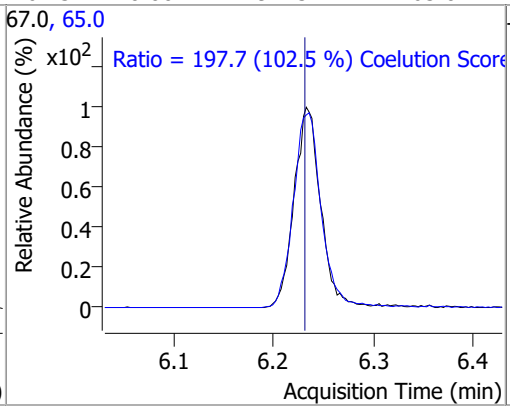
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

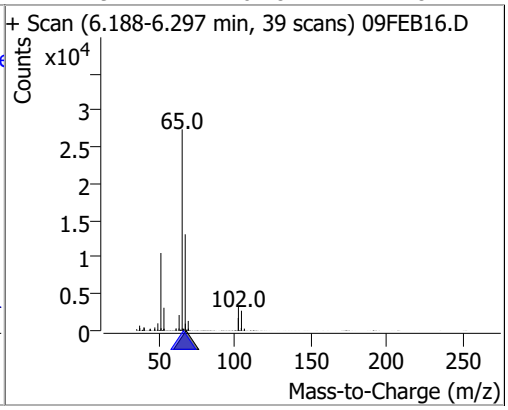




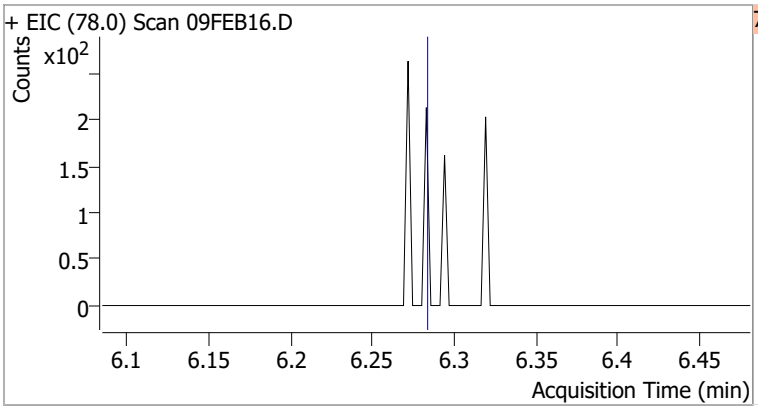
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	283.6157	6.23	0.00	92451	65.0	197.7	162.8	222.8

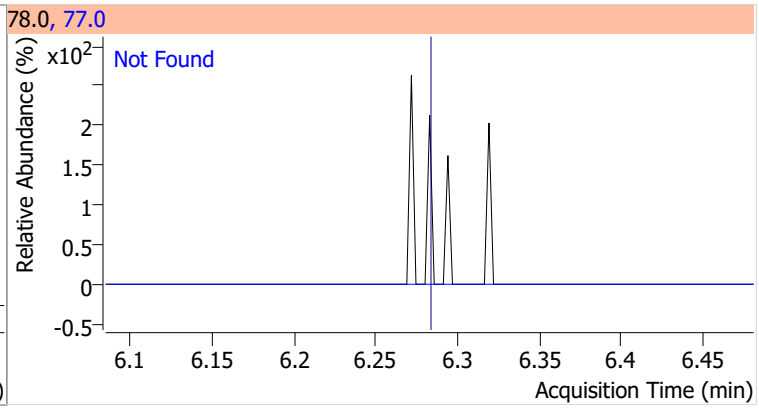




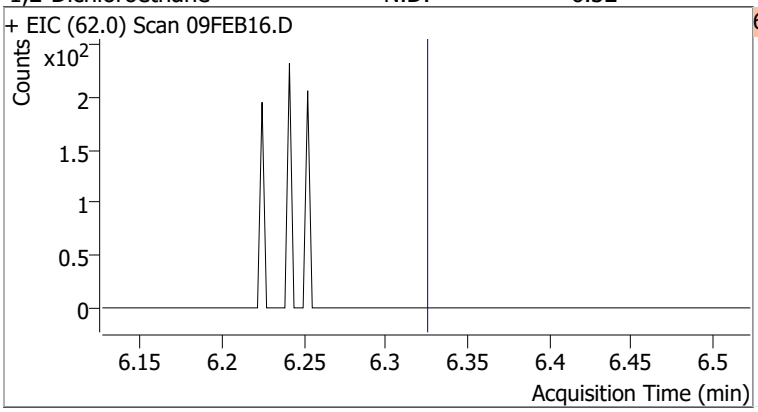


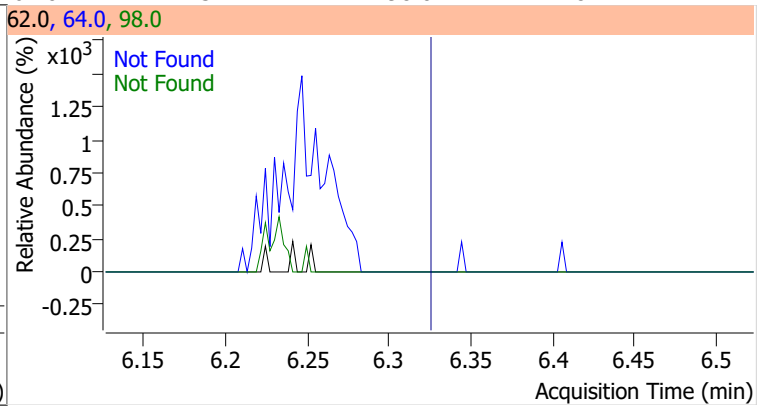
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



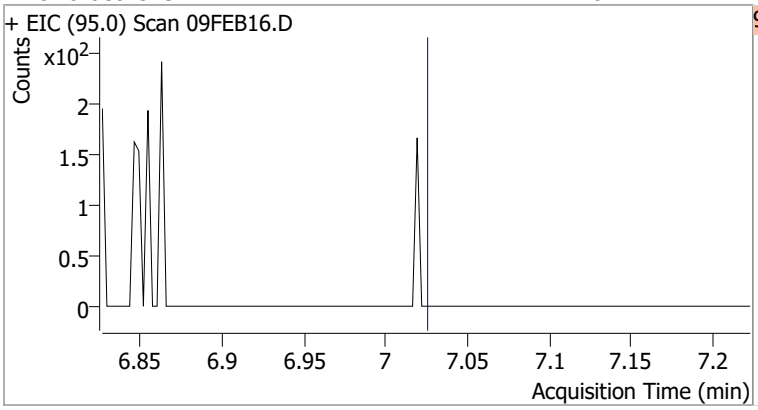


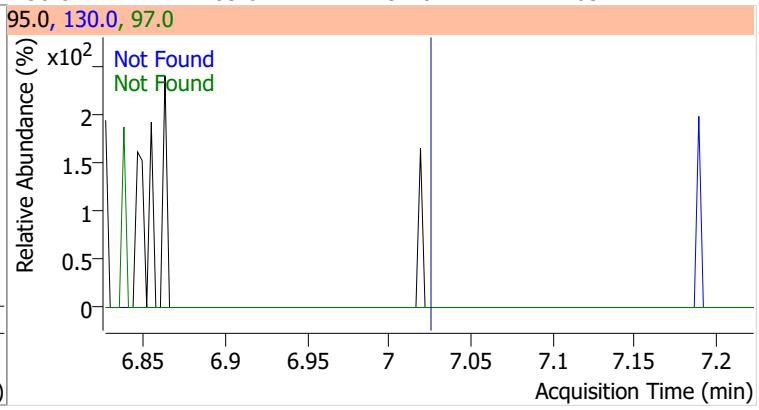
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



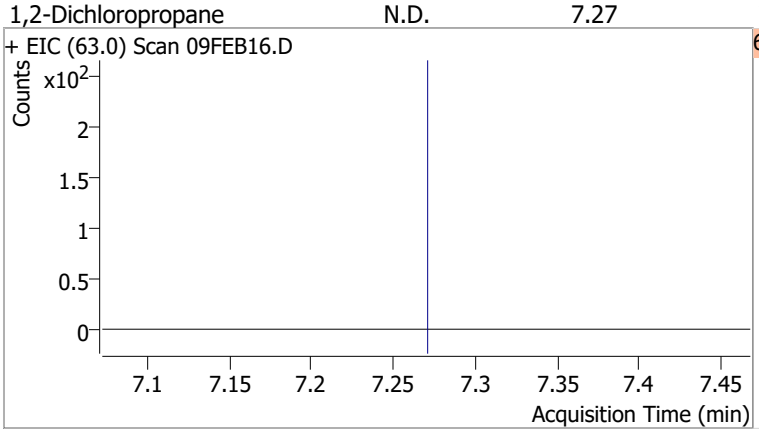


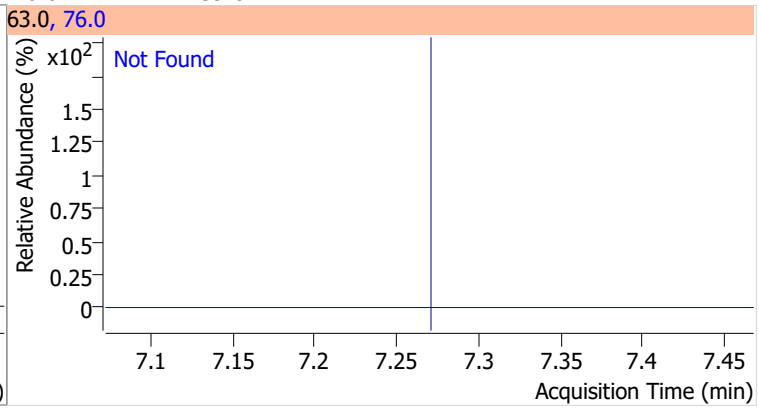
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



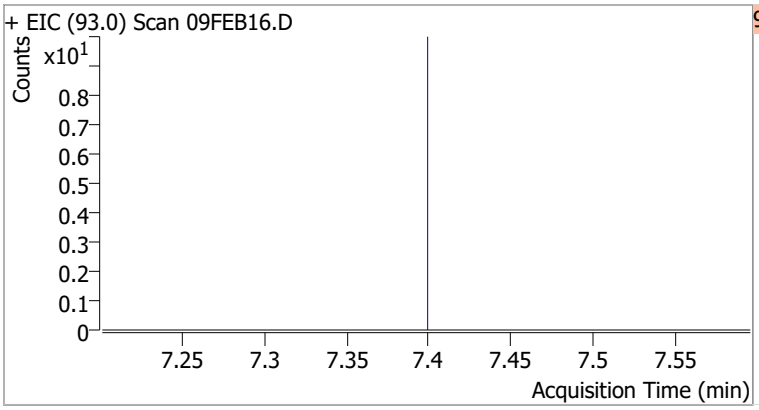


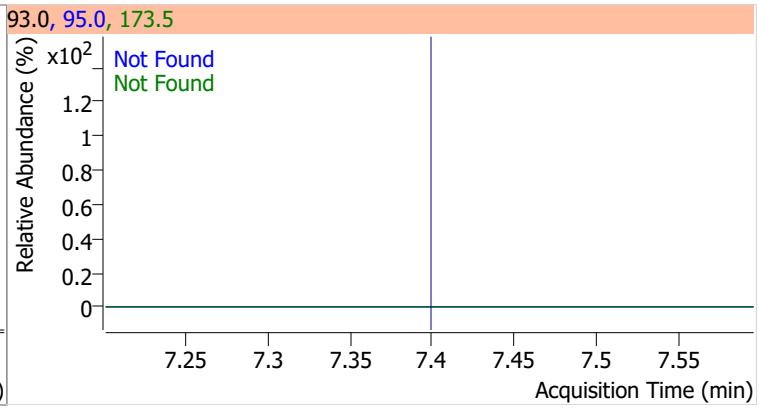
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



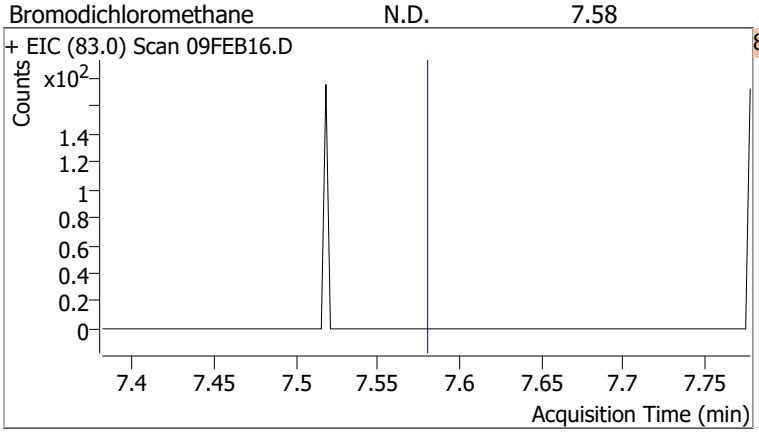


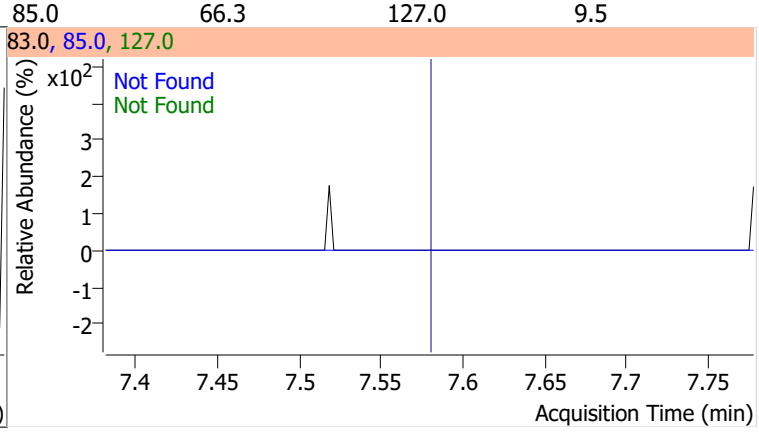
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



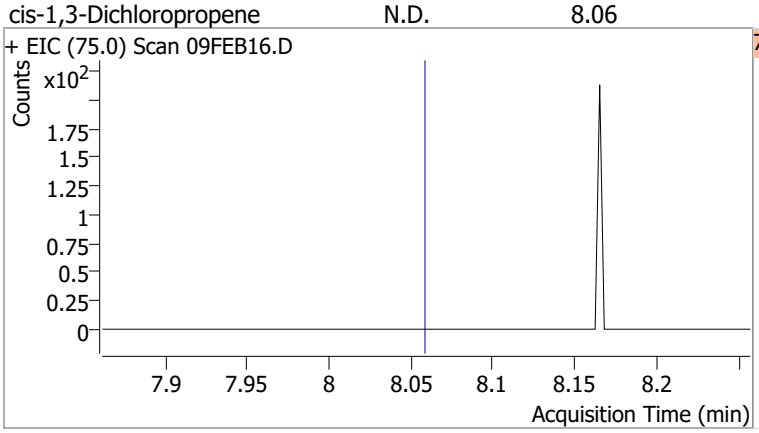


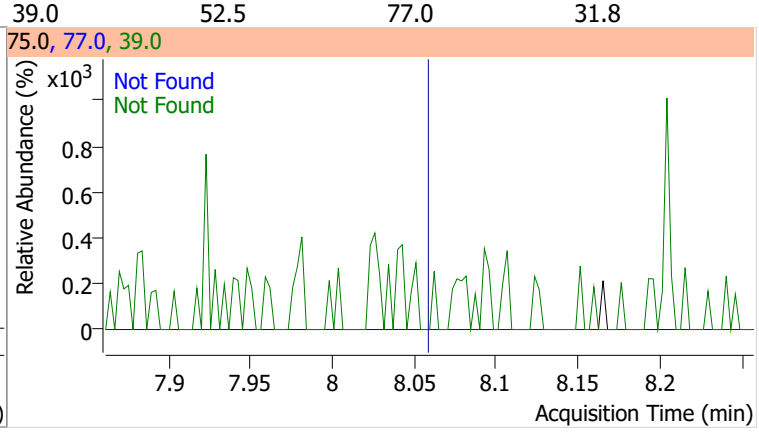
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



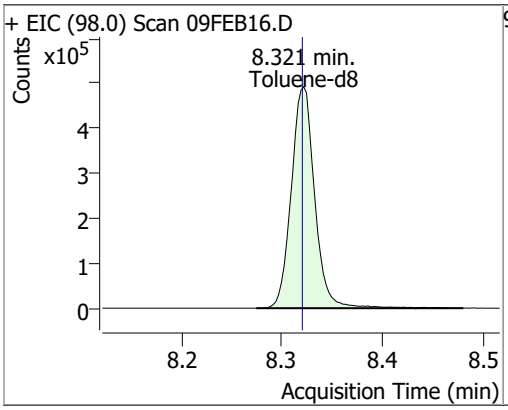


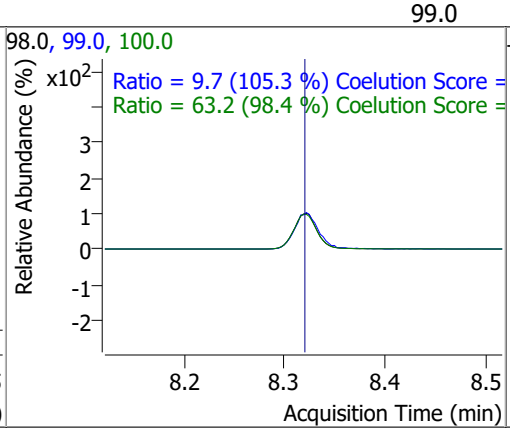
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

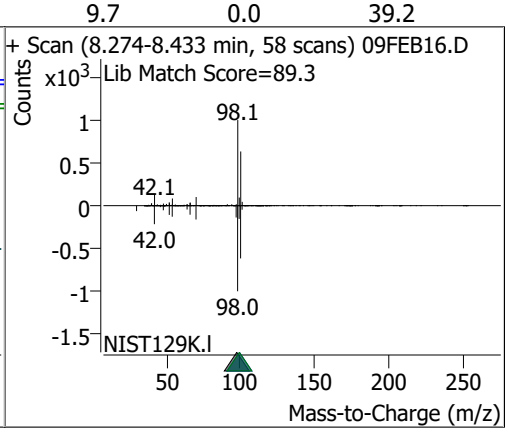




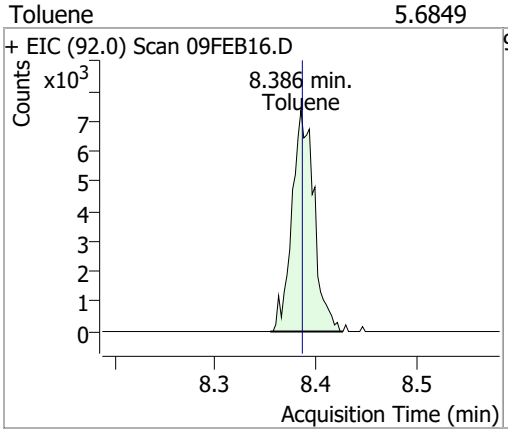
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	266.6385	8.32	0.00	796892	100.0	63.2	34.3	94.3
					99.0	9.7	0.0	39.2

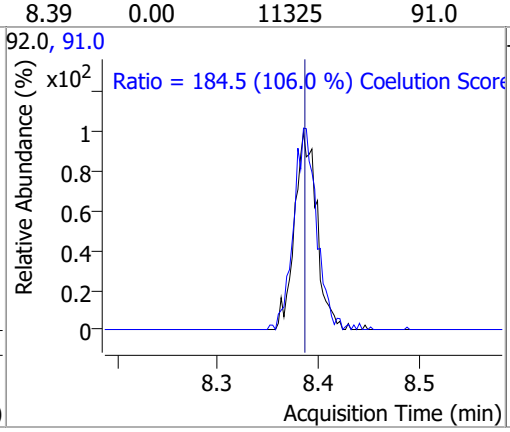


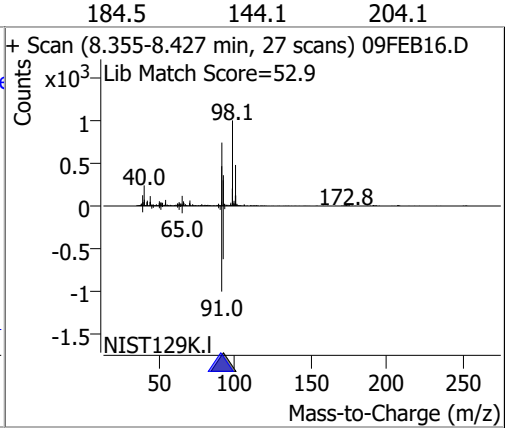




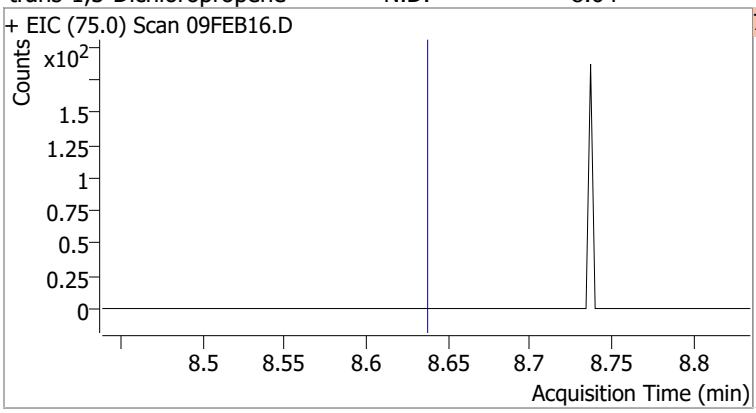
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	5.6849	8.39	0.00	11325	91.0	184.5	144.1	204.1

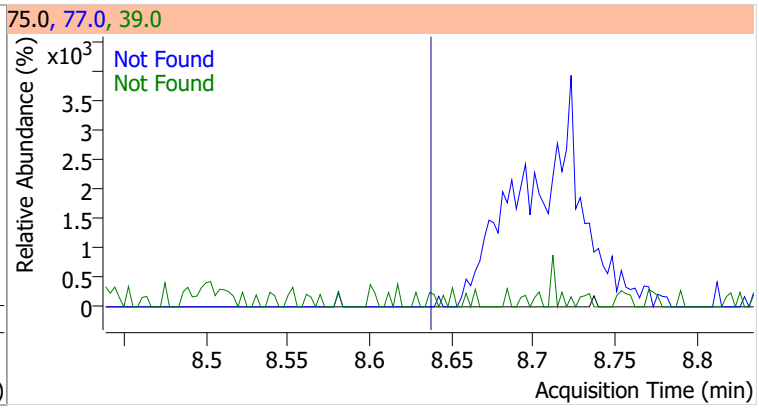




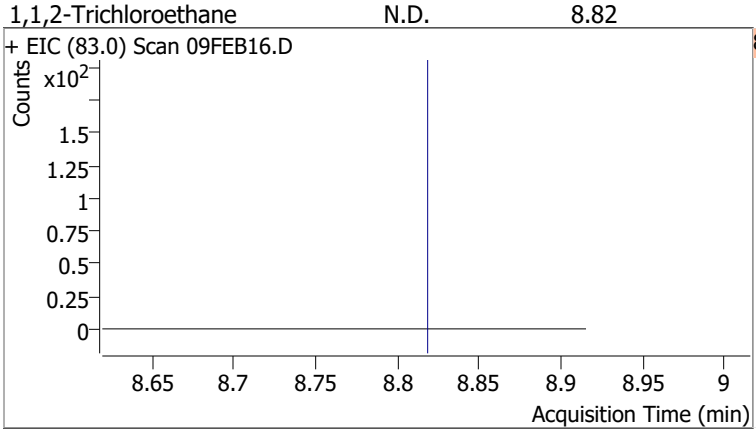


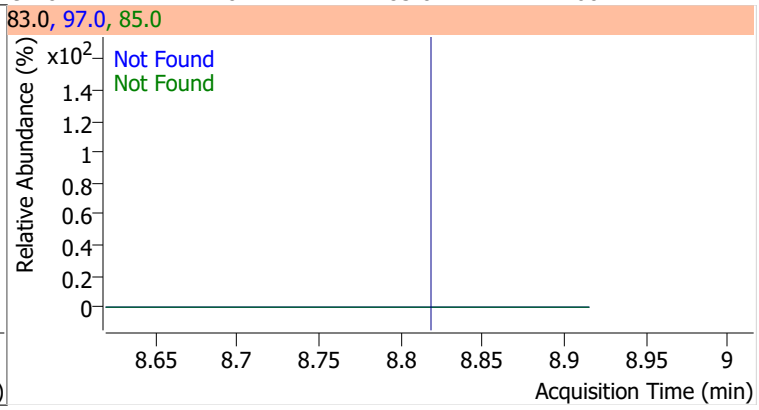
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



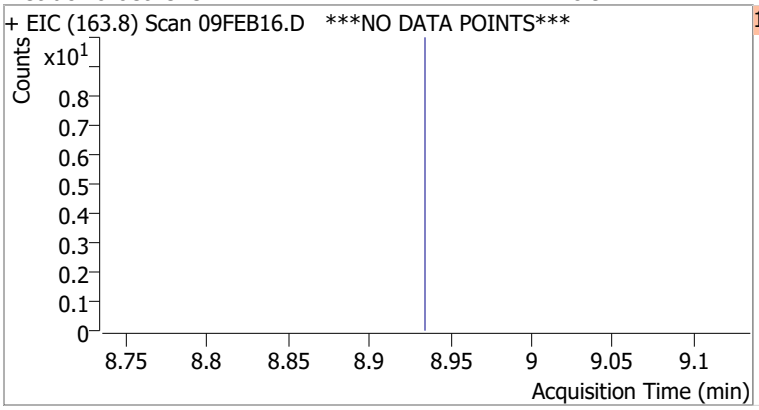


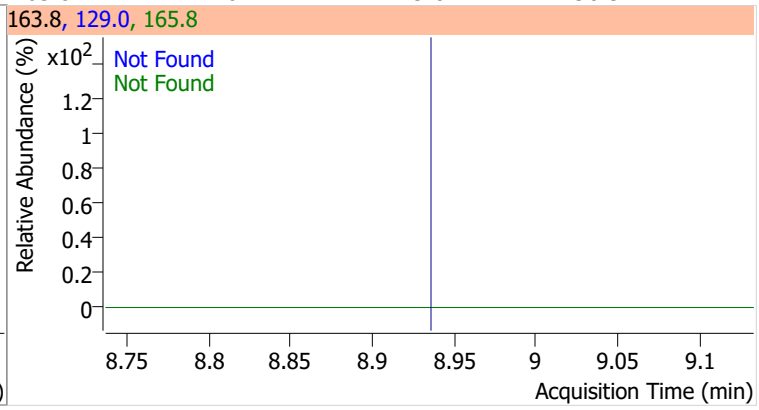
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



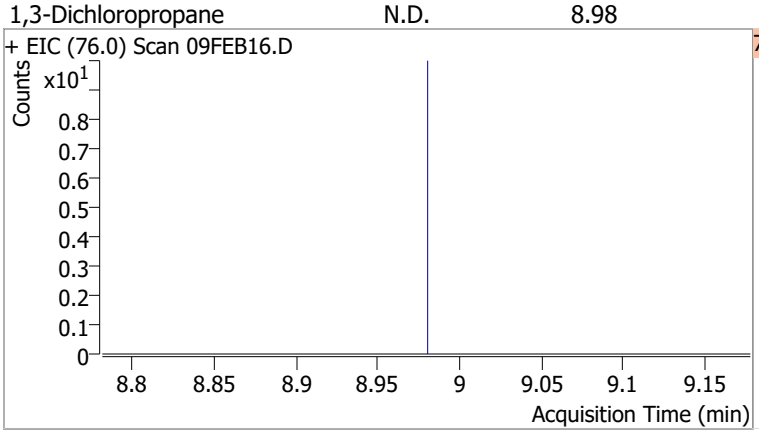


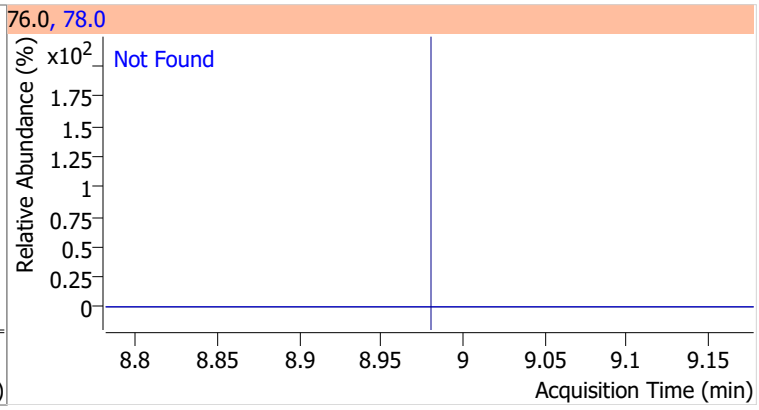
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



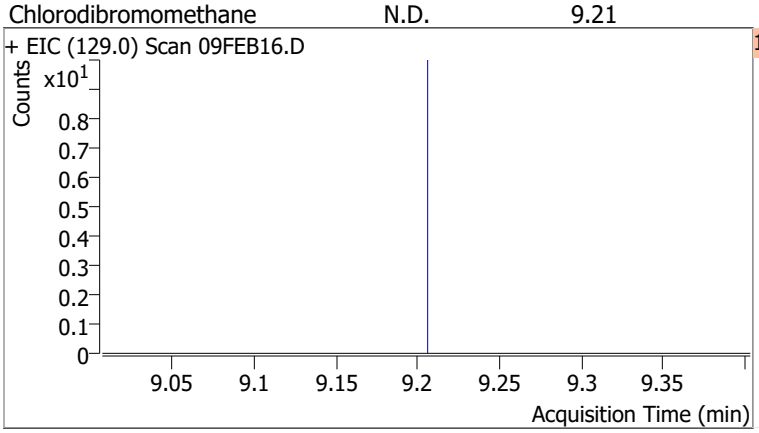


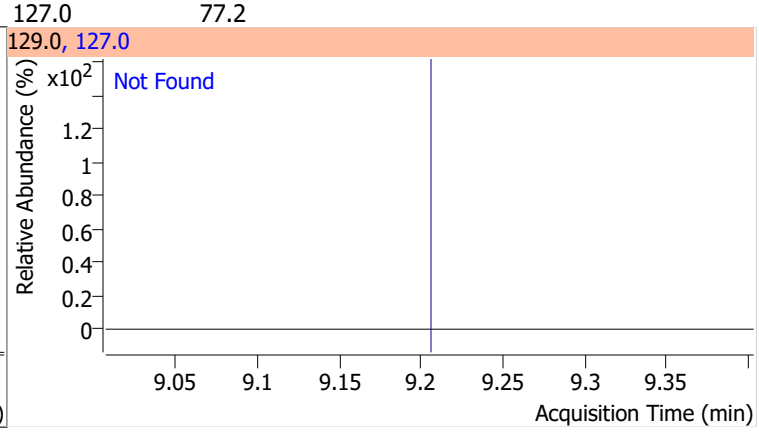
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



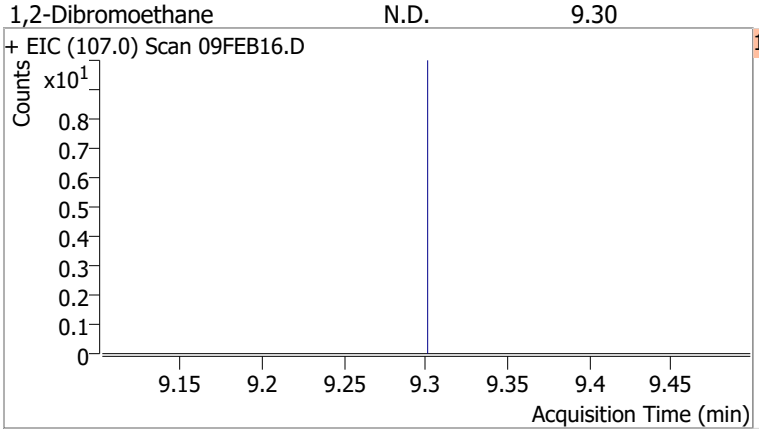


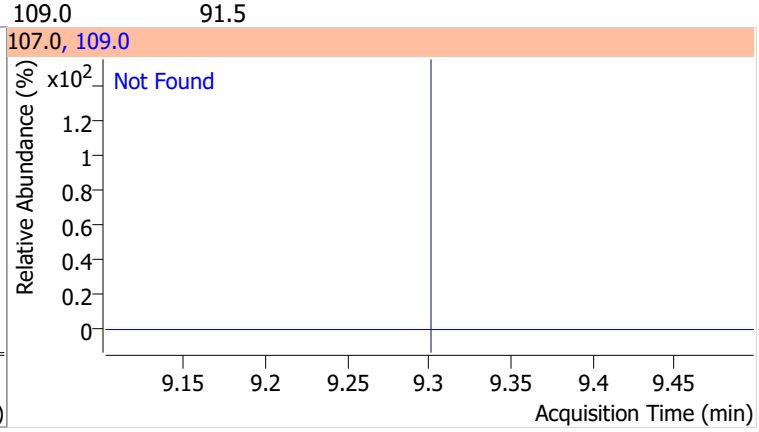
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



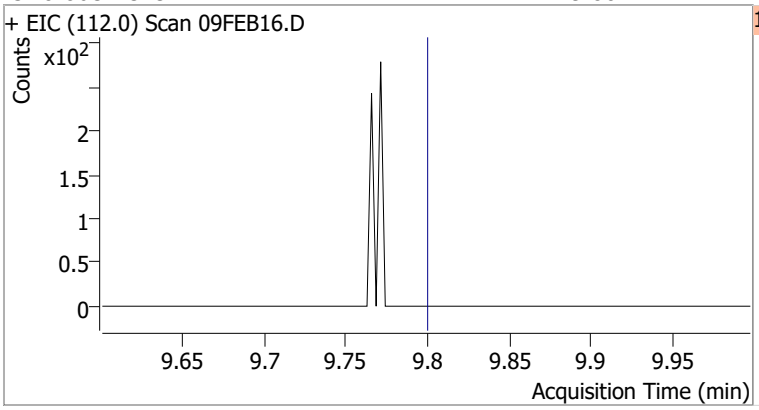


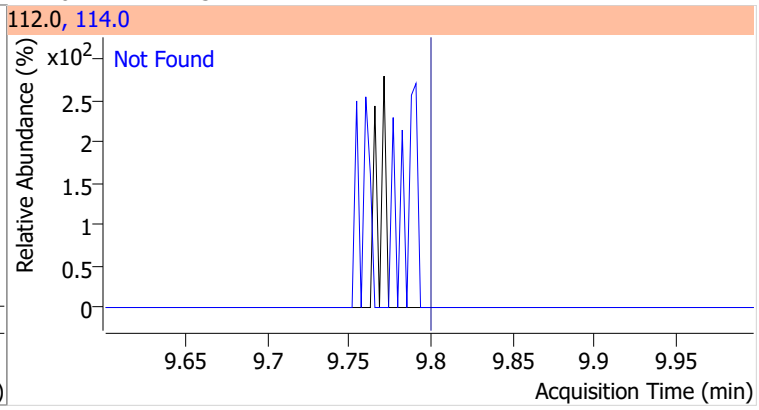
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



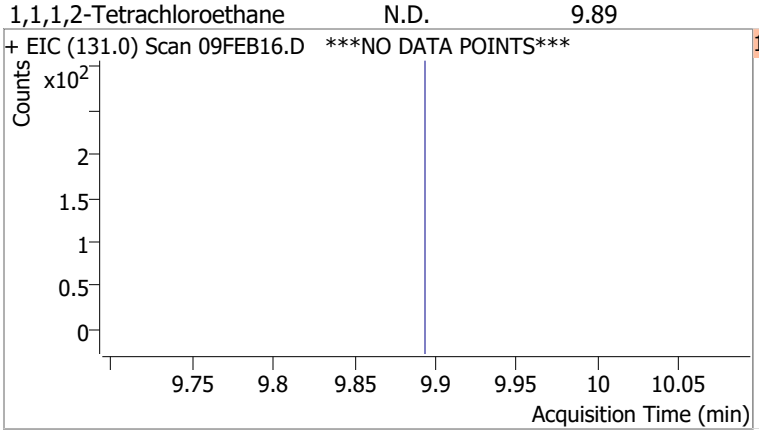


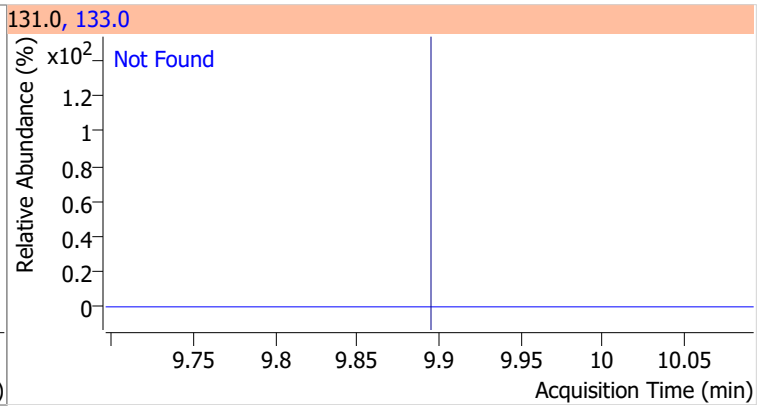
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



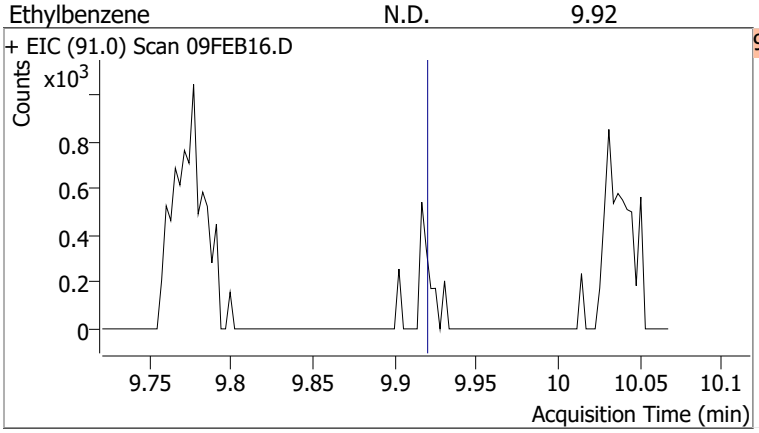


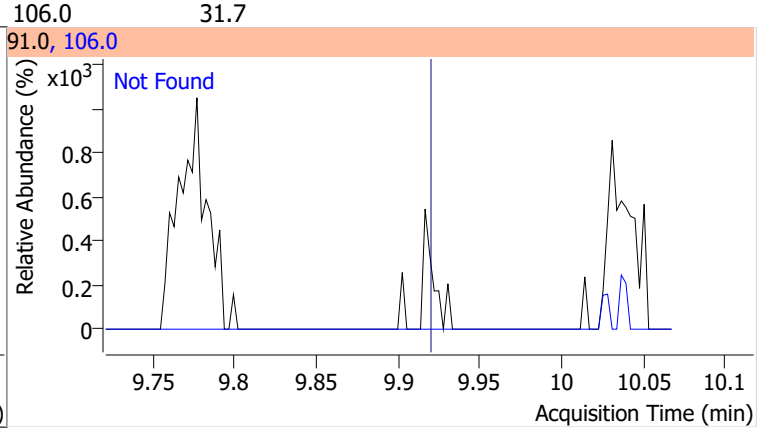
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



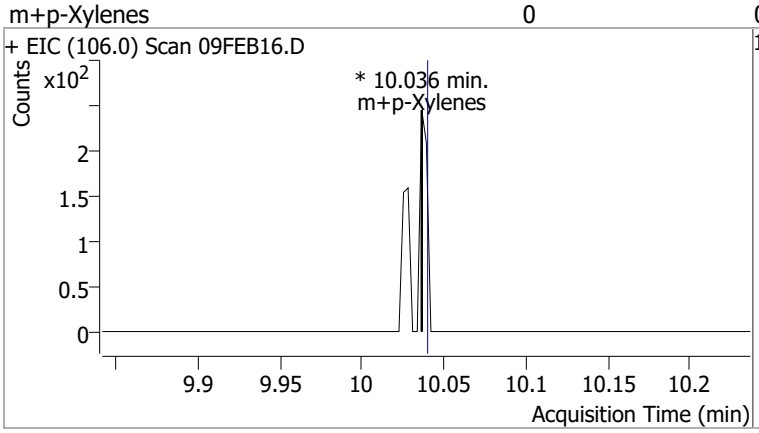


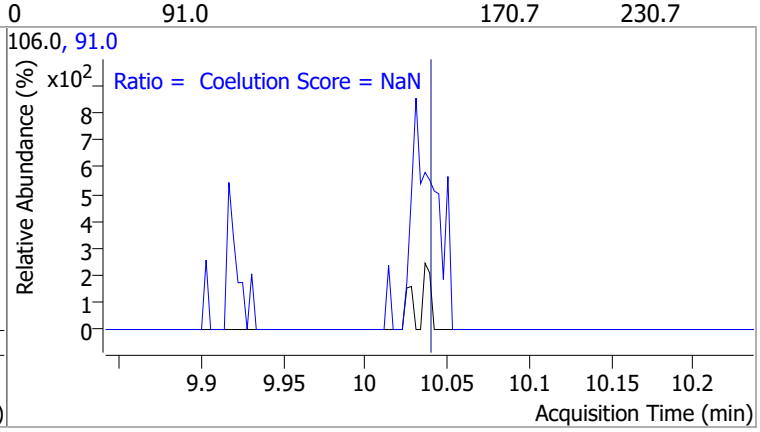
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



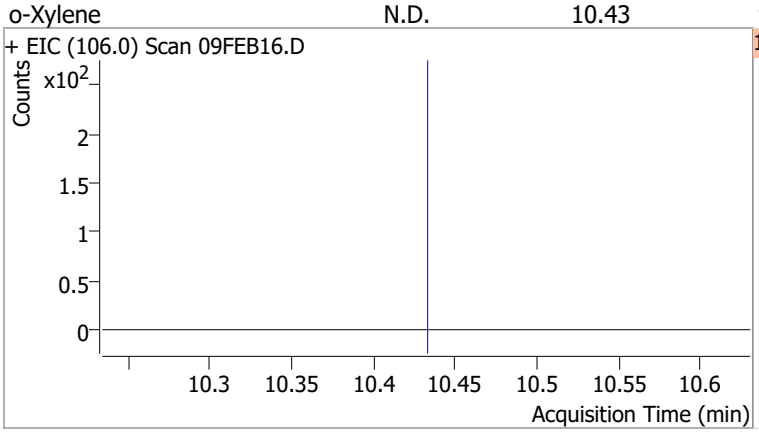


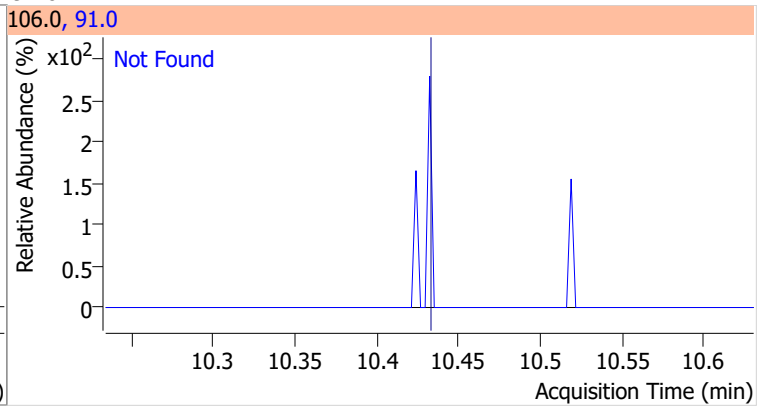
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes		0		0	91.0		170.7	230.7



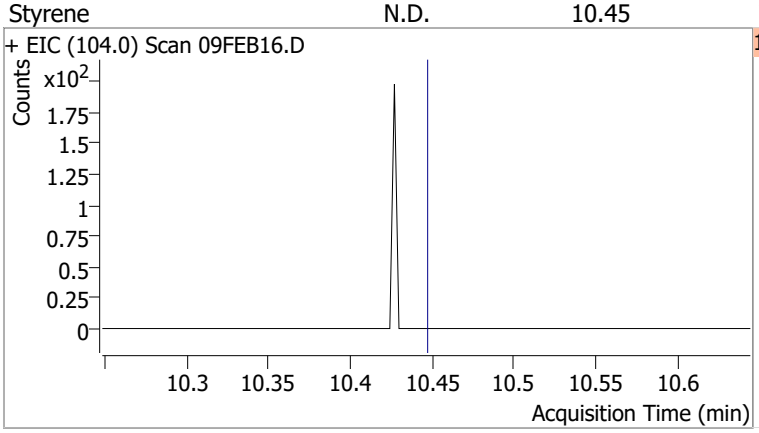


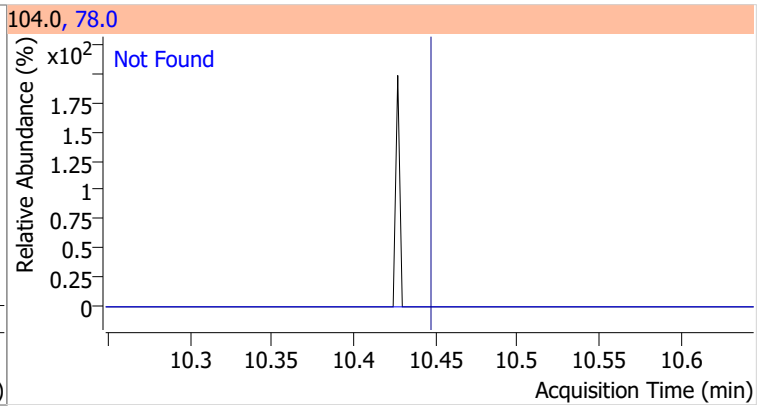
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



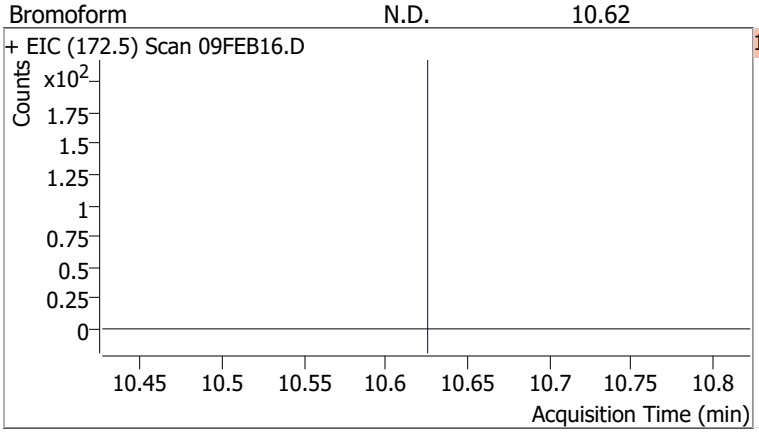


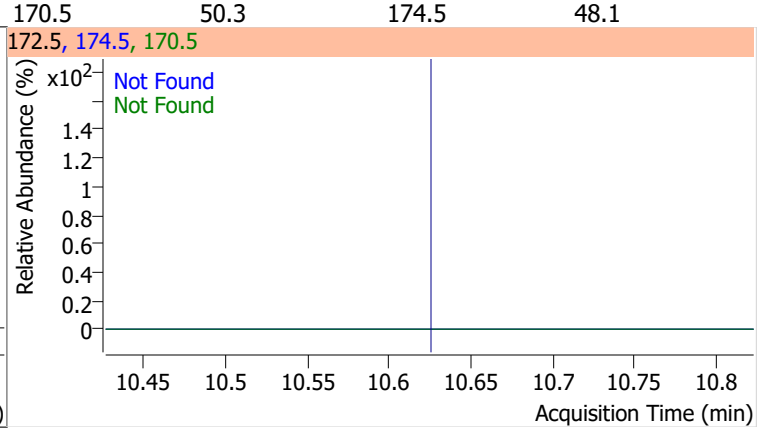
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



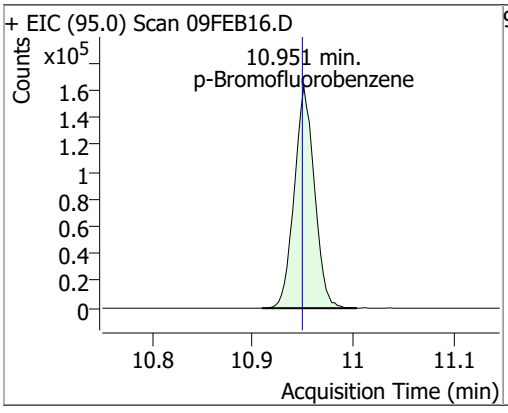


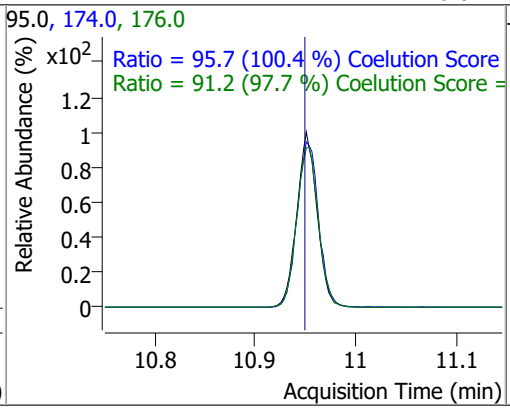
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

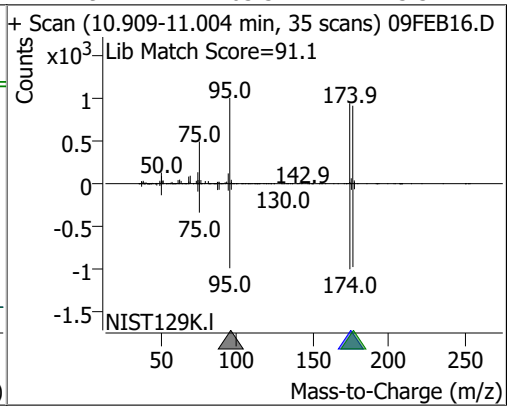




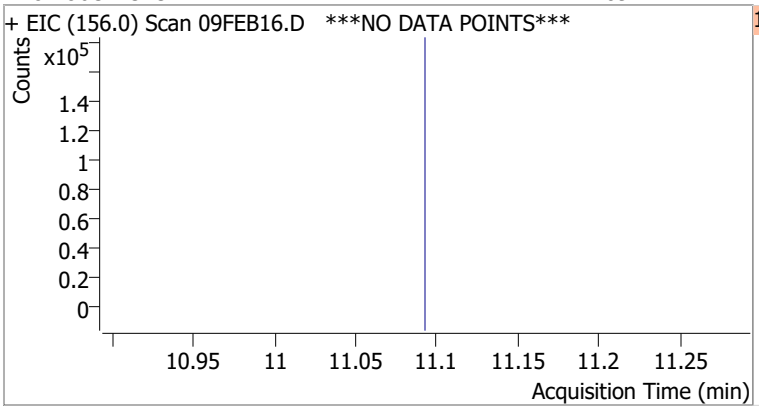
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	265.6223	10.95	0.00	227506	174.0	95.7	65.3	125.3
					176.0	91.2	63.3	123.3

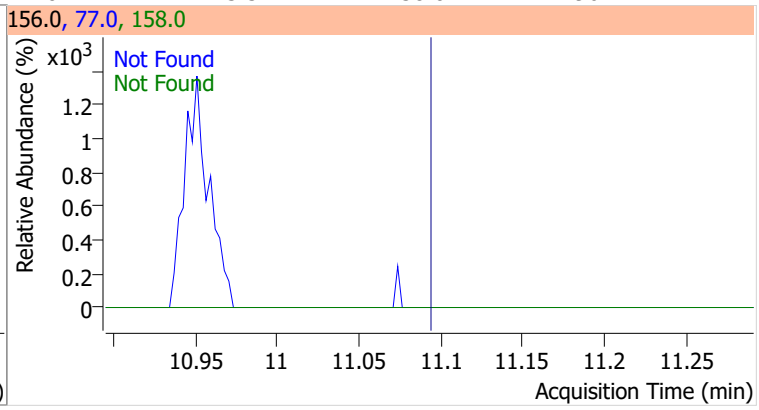




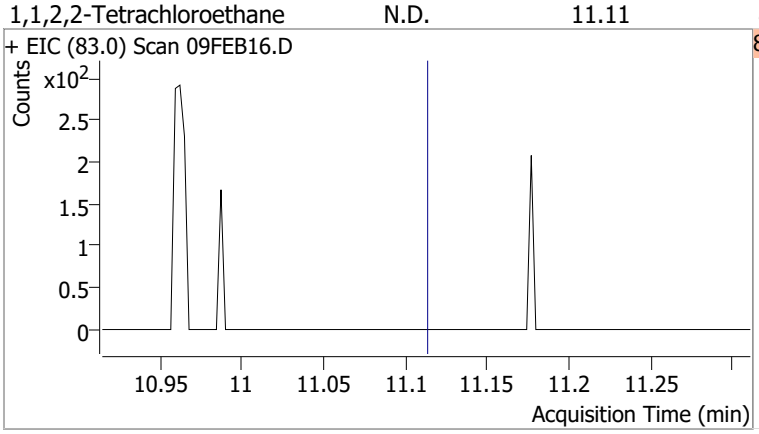


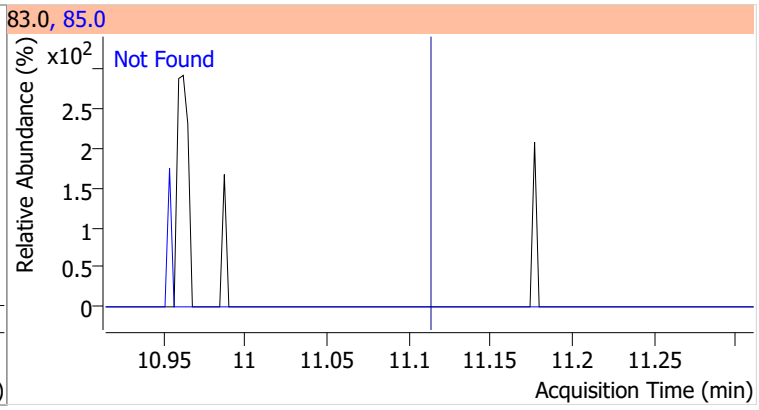
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



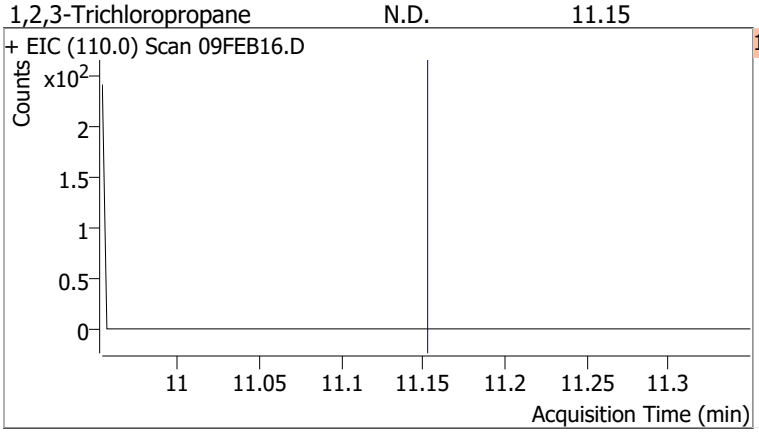


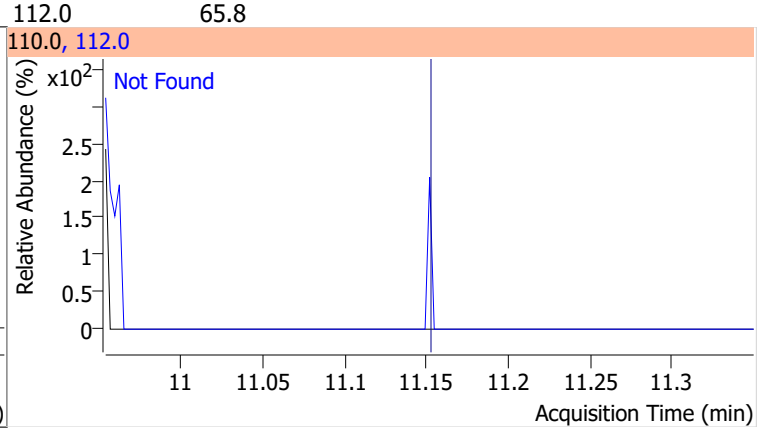
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



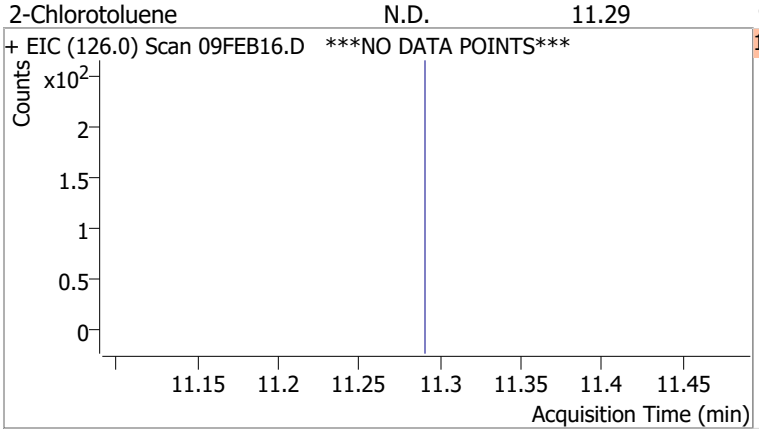


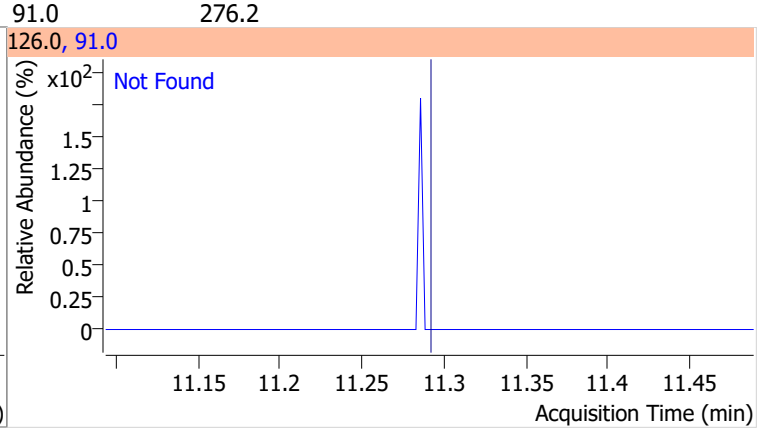
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



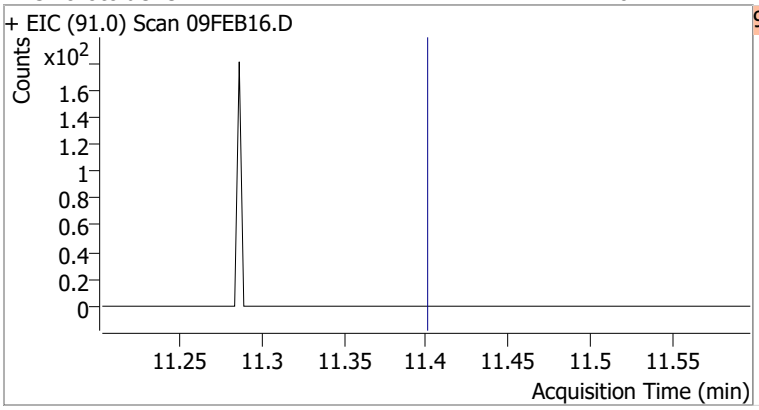


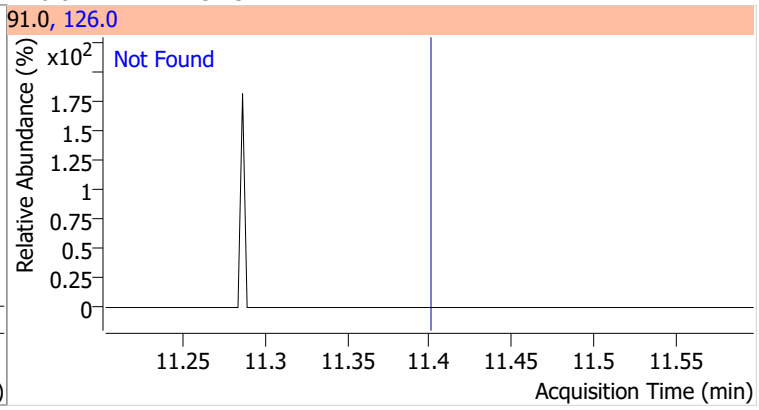
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



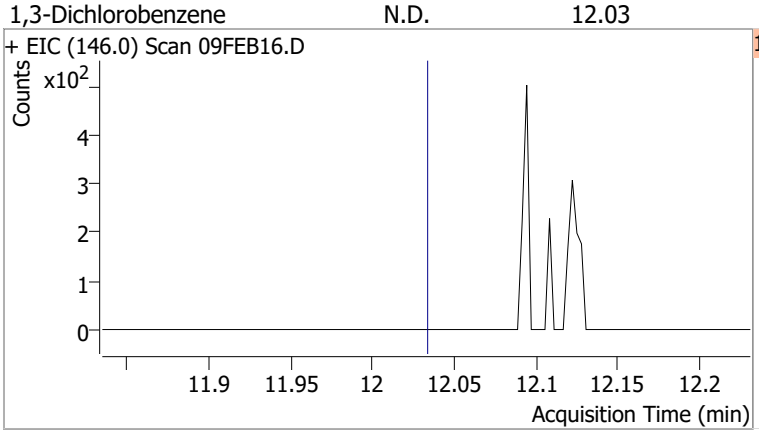


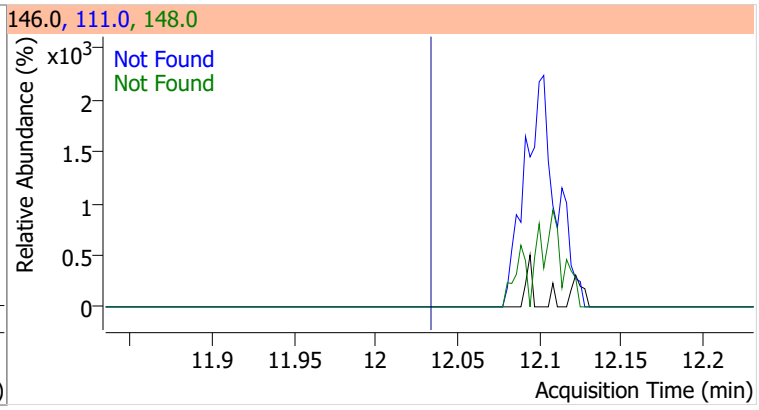
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



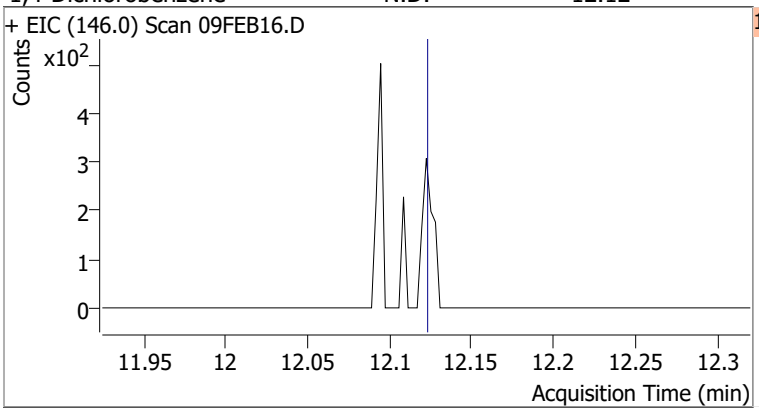


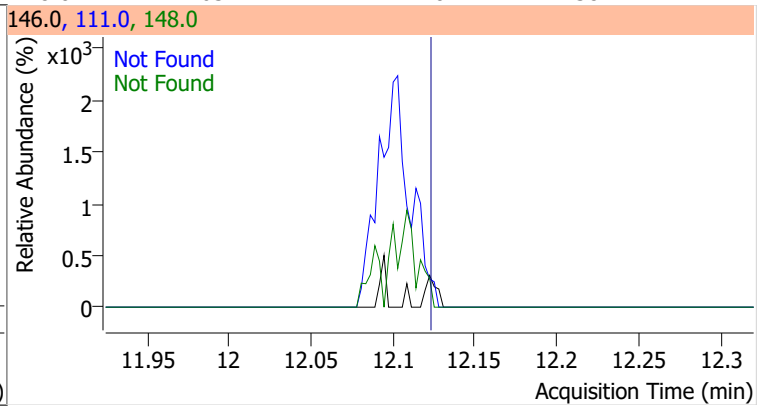
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



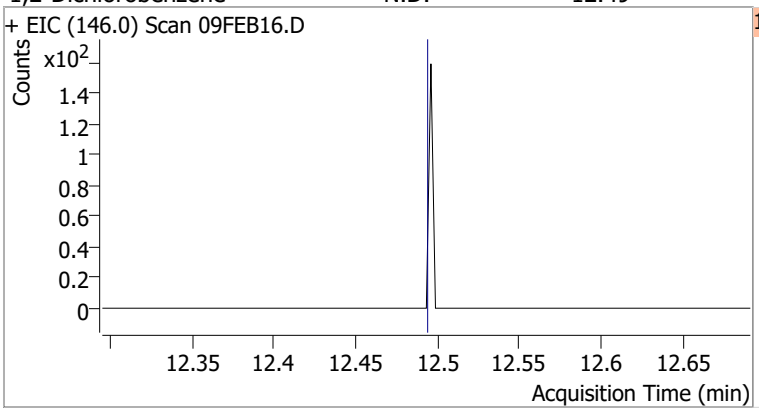


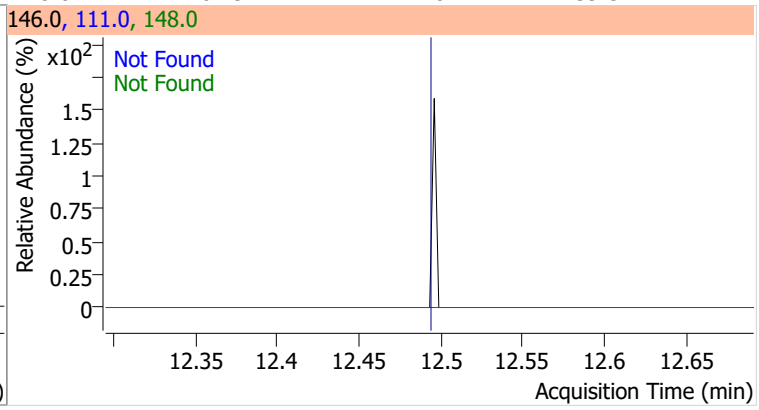
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





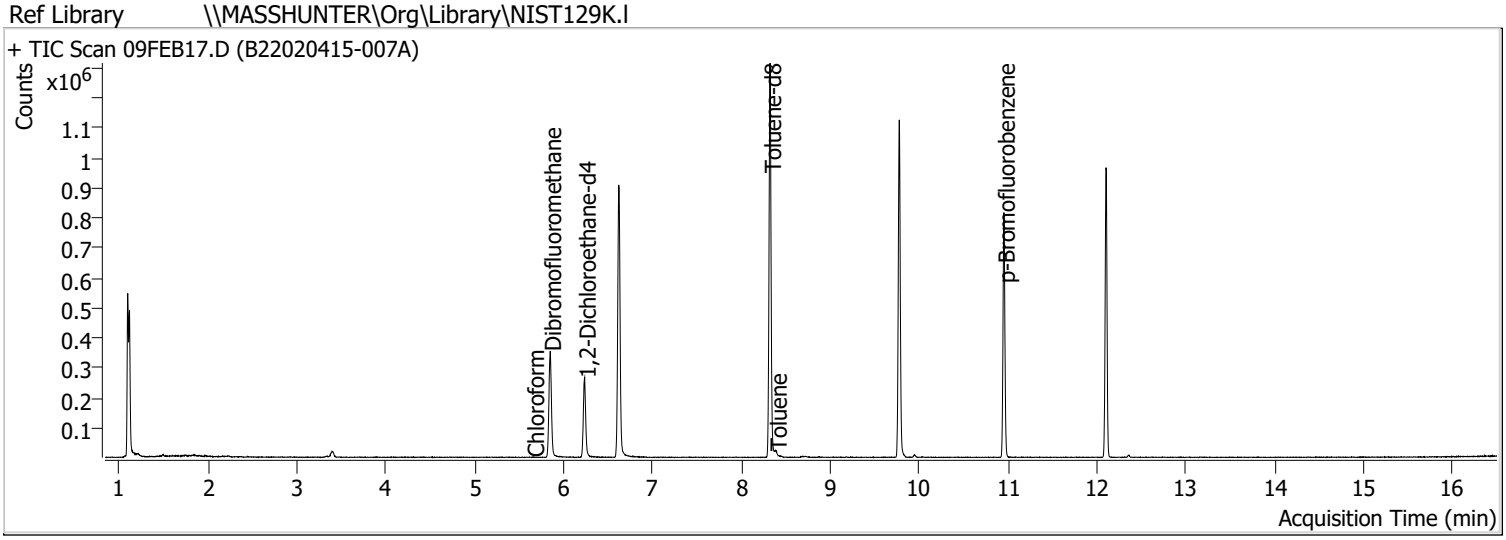
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB17.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 12:55:53 PM
Sample Name	B22020415-007A	Instrument	VOA5975C
Vial	17	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

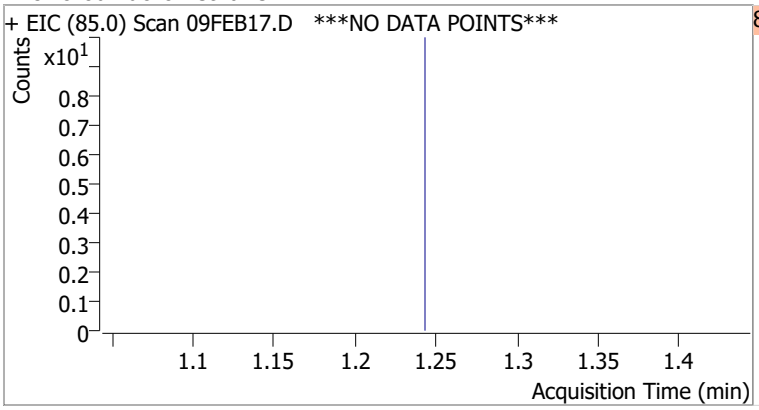


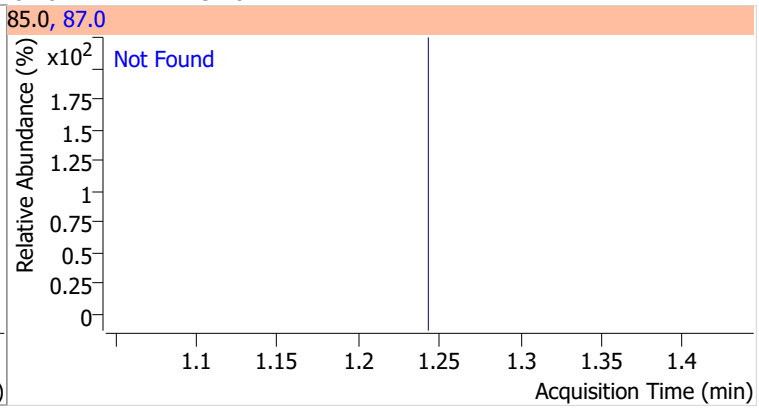
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.618	96.0	773890	250.0000	ng		-0.003
M Chlorobenzene-d5	9.774	82.0	302911	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	229960	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.848	113.0	205754	274.4938	ng		-0.003
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 109.80%			
S 1,2-Dichloroethane-d4	6.236	67.0	91937	283.9339	ng		0.005
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 113.57%			
S Toluene-d8	8.321	98.0	783388	265.0890	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 106.04%			
S p-Bromofluorobenzene	10.951	95.0	222836	262.4484	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 104.98%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	0.000		0	N.D.			
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.327	49.0	0		ng	md	1
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	5.655	83.0	373	0.2481	ng	m	81

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	8.386	92.0	4393	2.2302	ng		94
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	10.028	106.0	0		ng	md	1
T o-Xylene	0.000		0	N.D.			
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

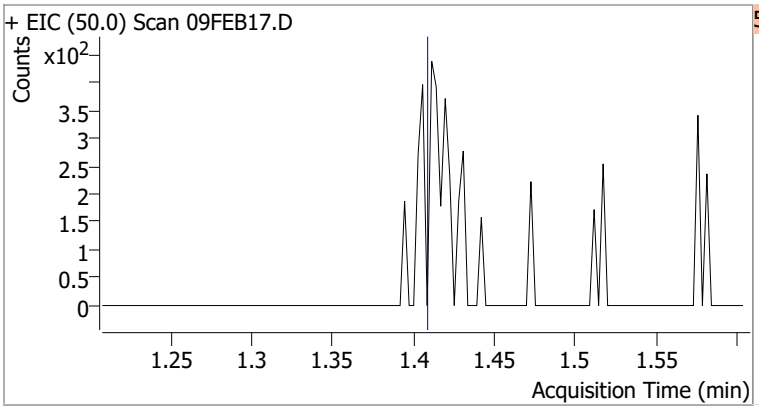
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

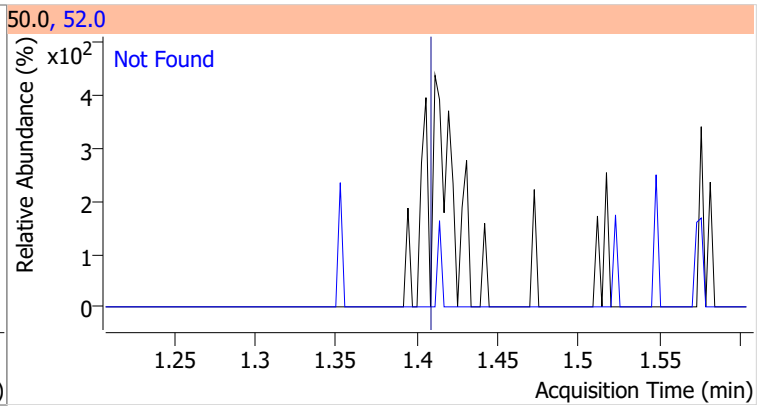
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8



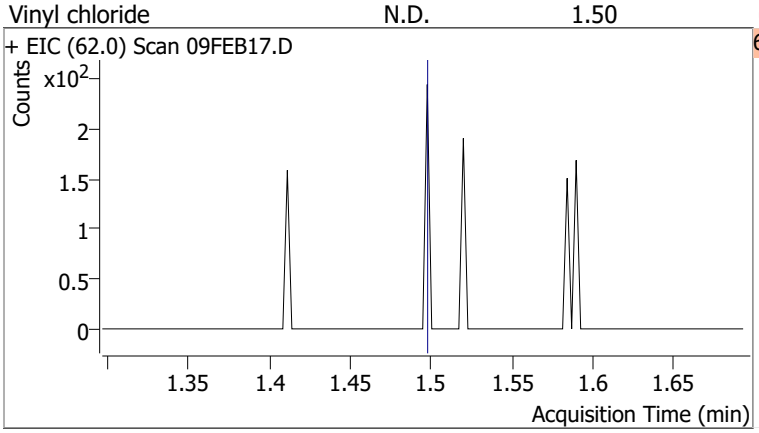


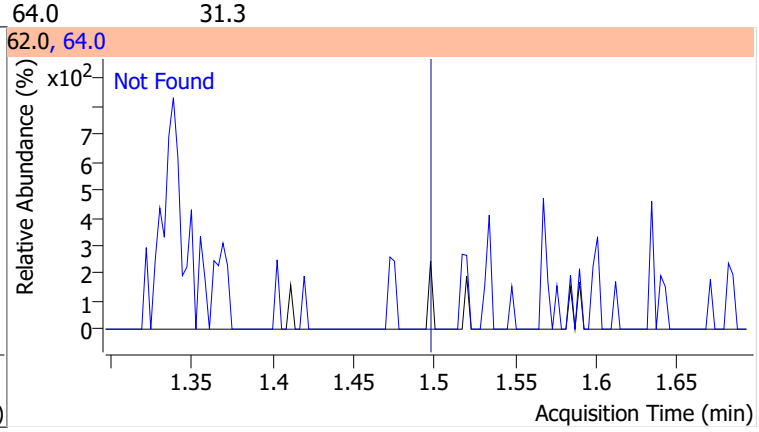
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloromethane	N.D.	1.41	52.0	32.4



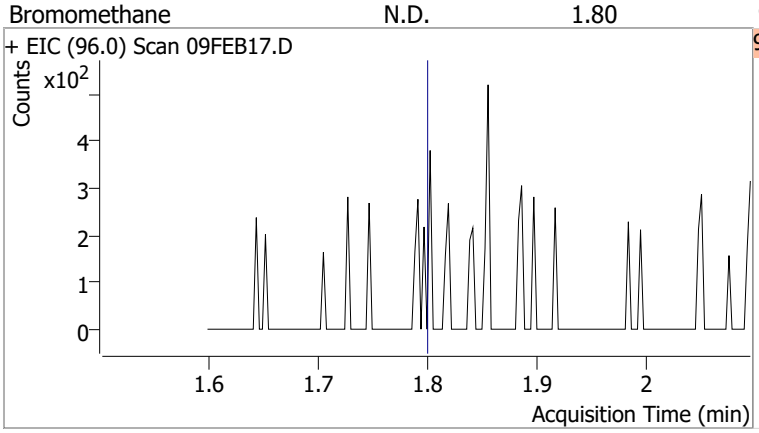


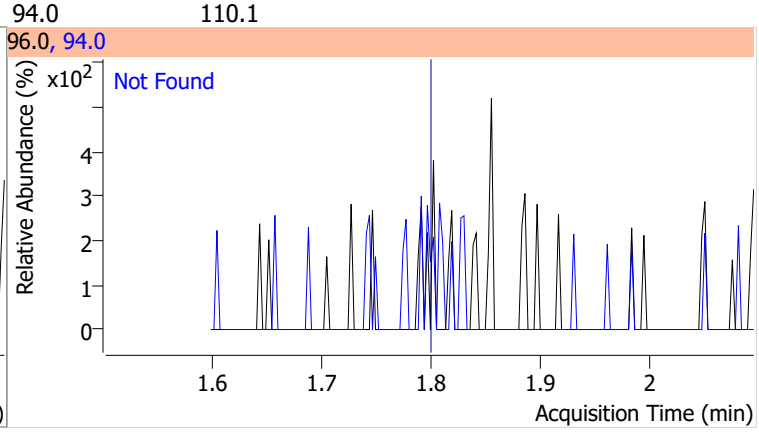
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



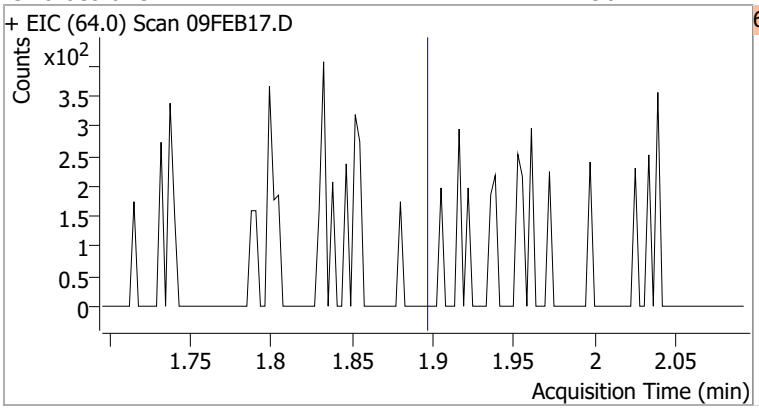


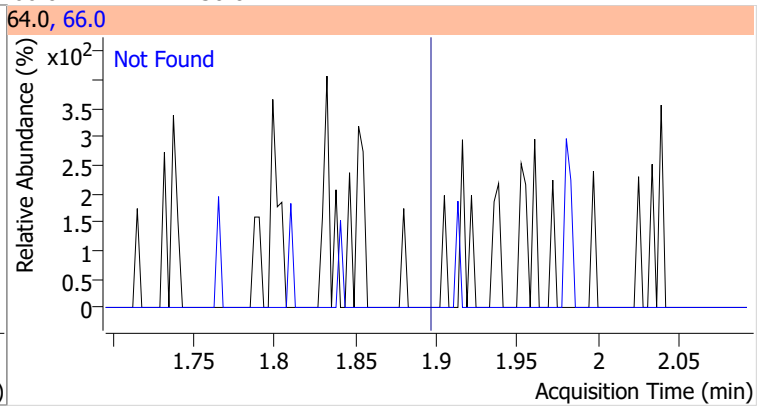
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



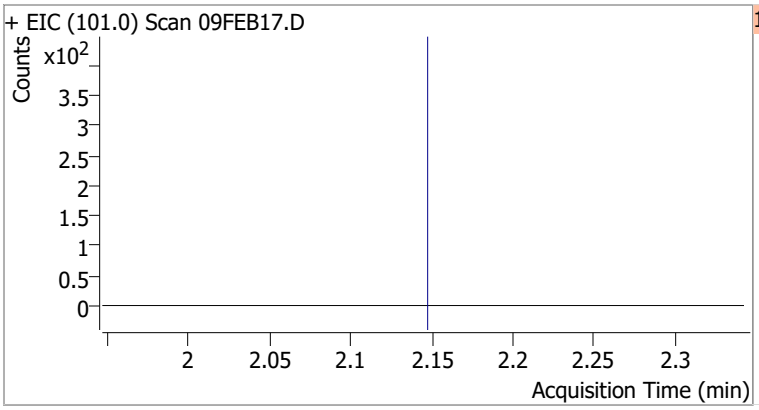


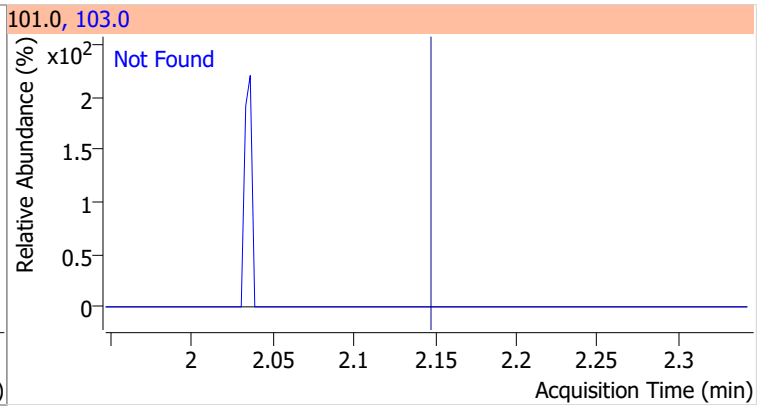
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



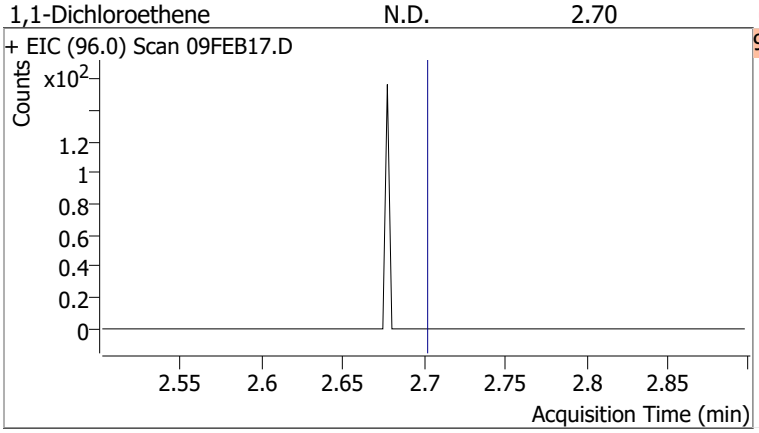


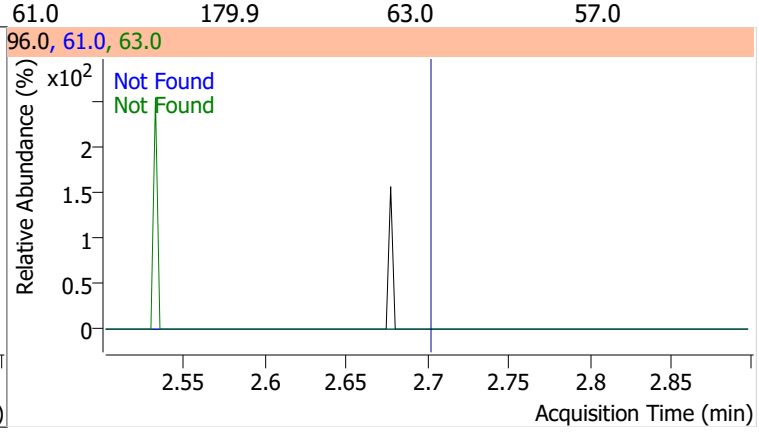
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



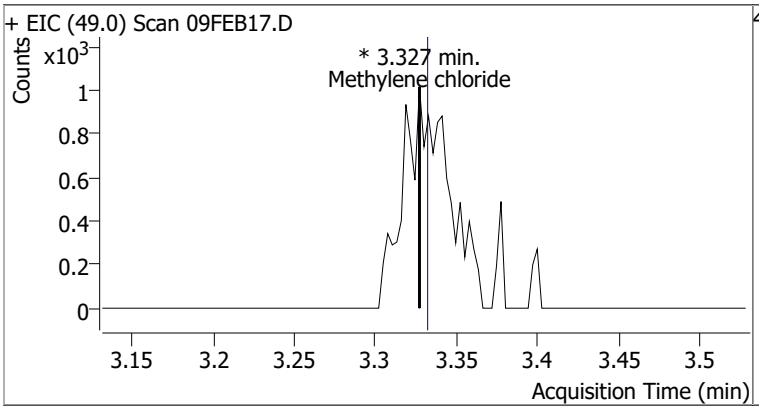


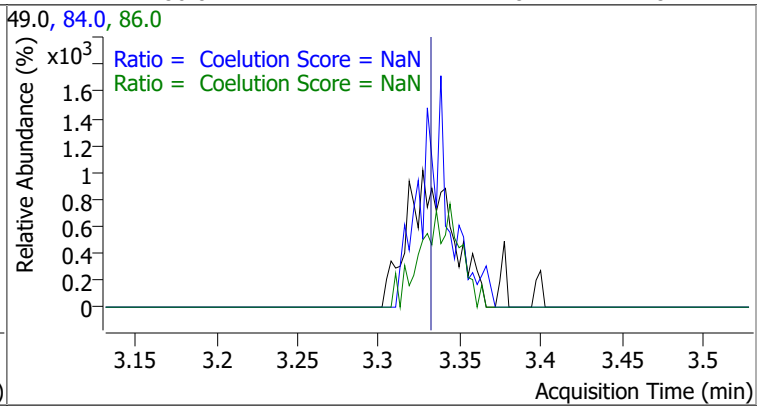
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0



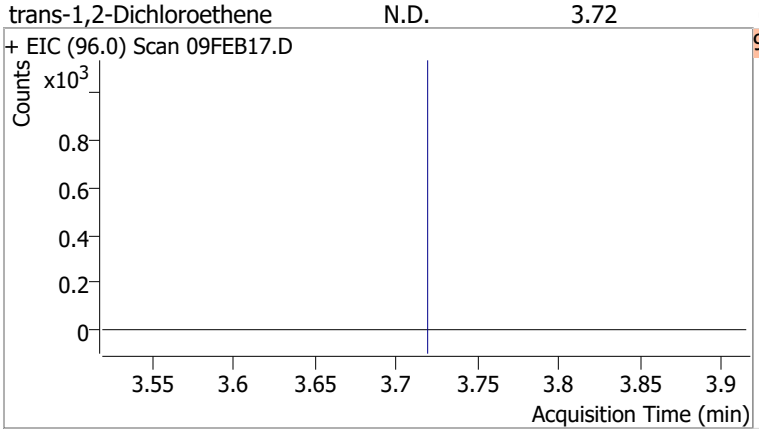


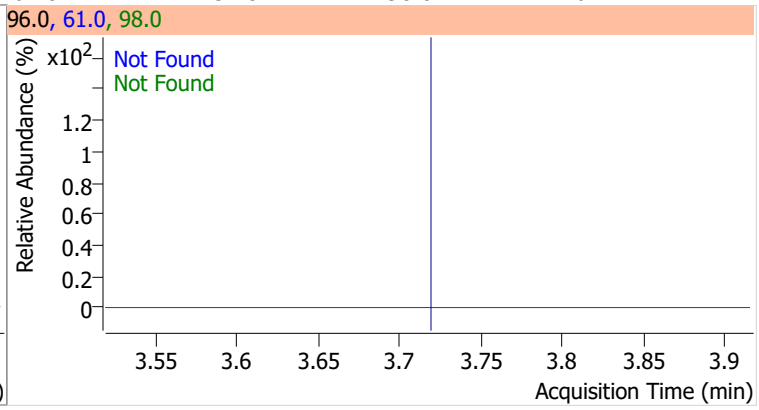
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride		0		0	84.0		36.1	96.1
					86.0		11.8	71.8



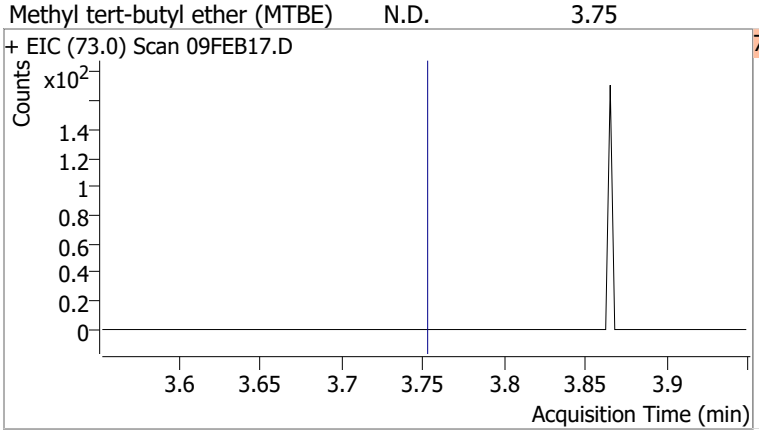


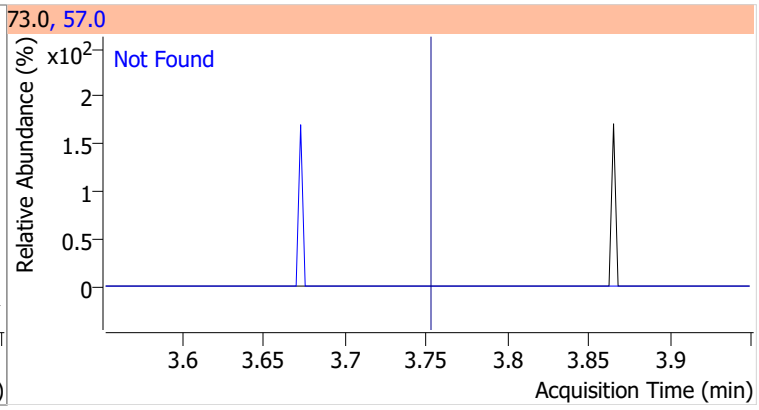
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



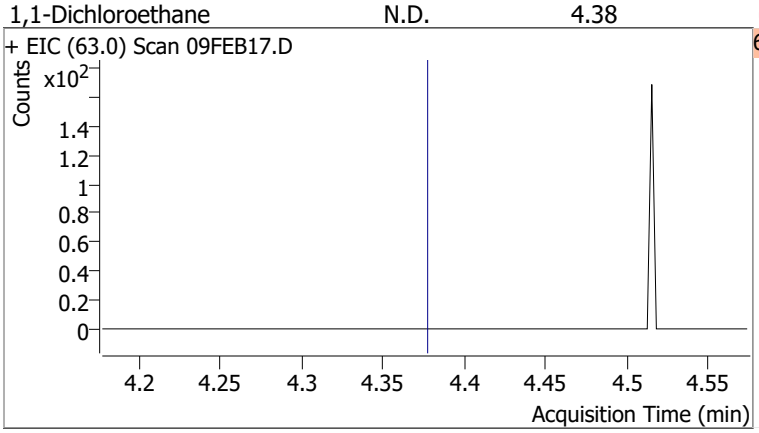


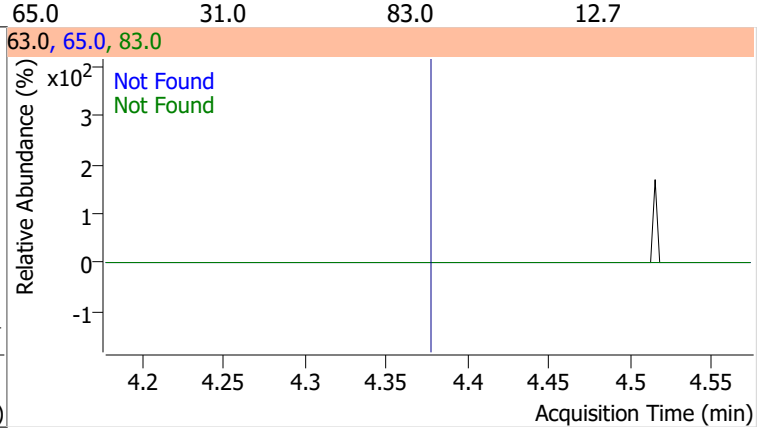
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



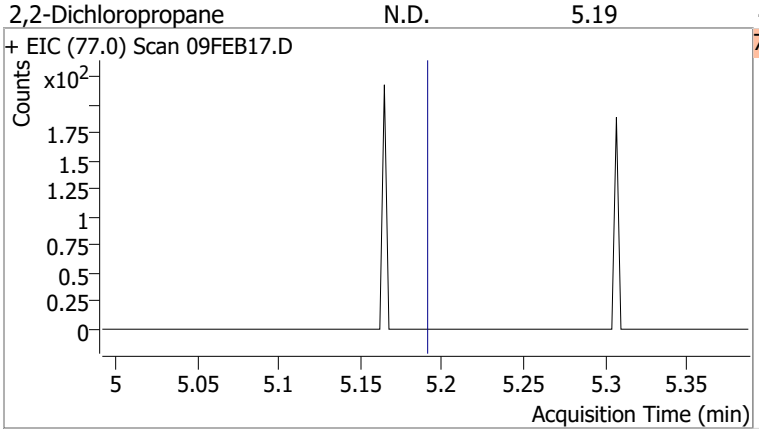


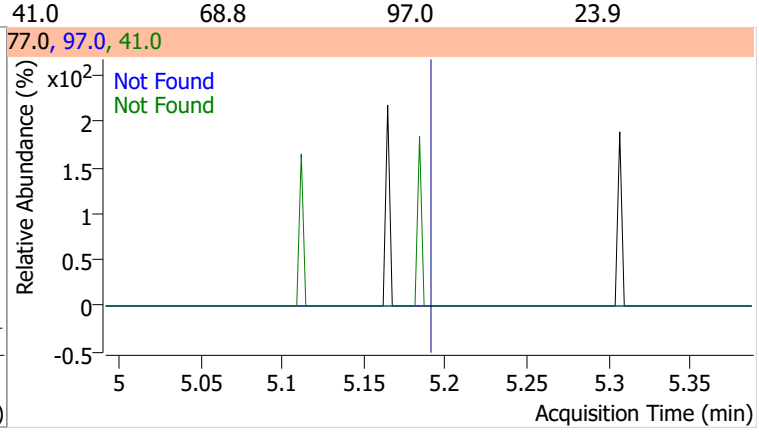
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



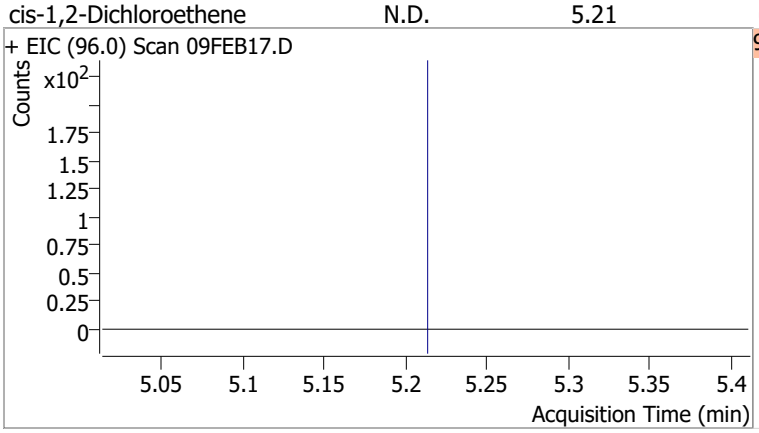


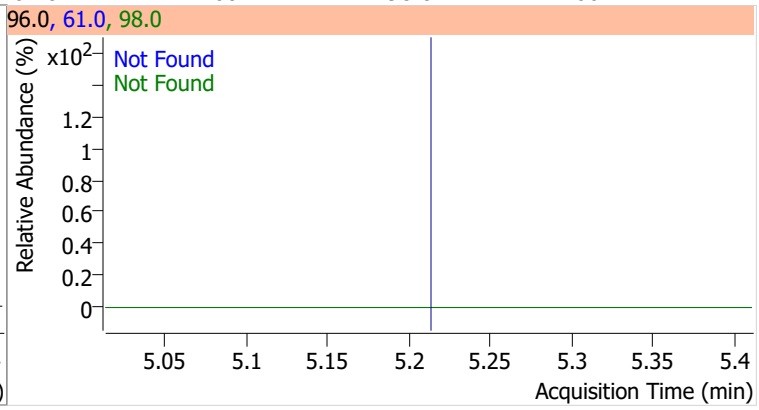
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



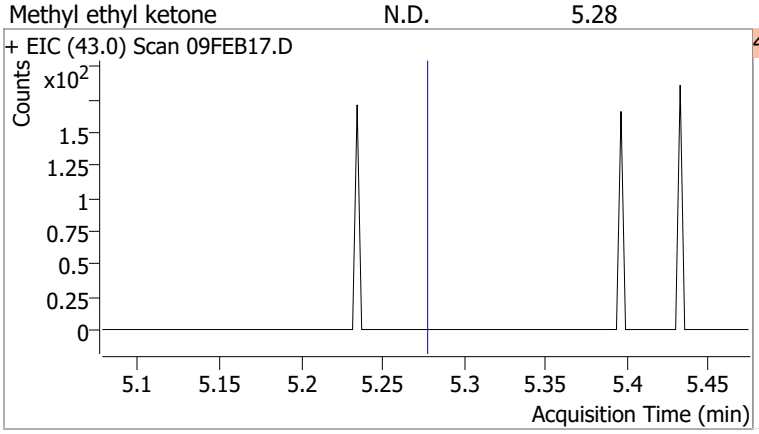


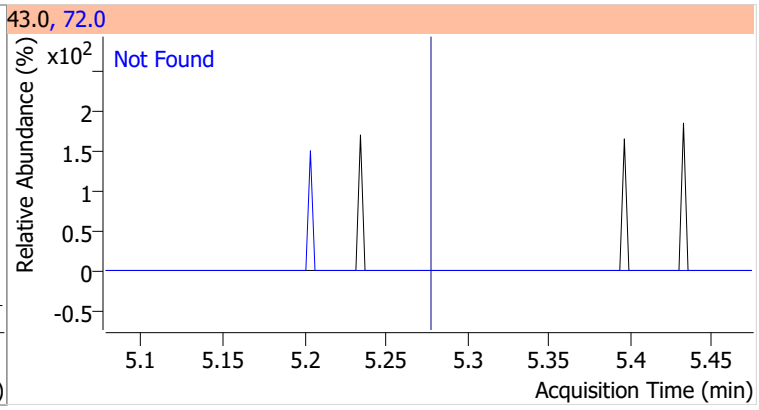
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



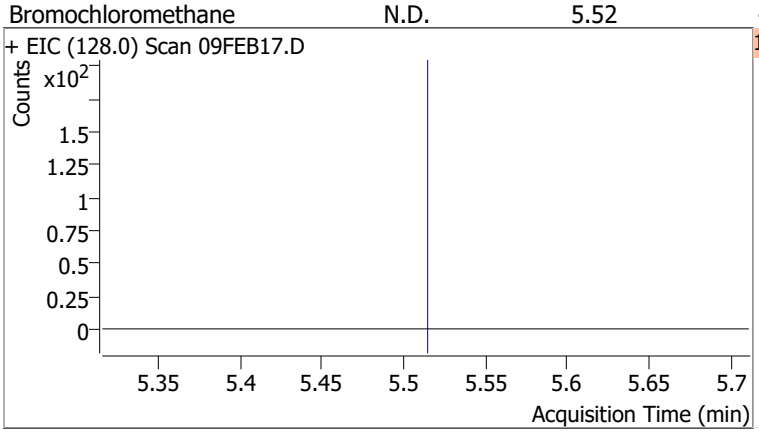


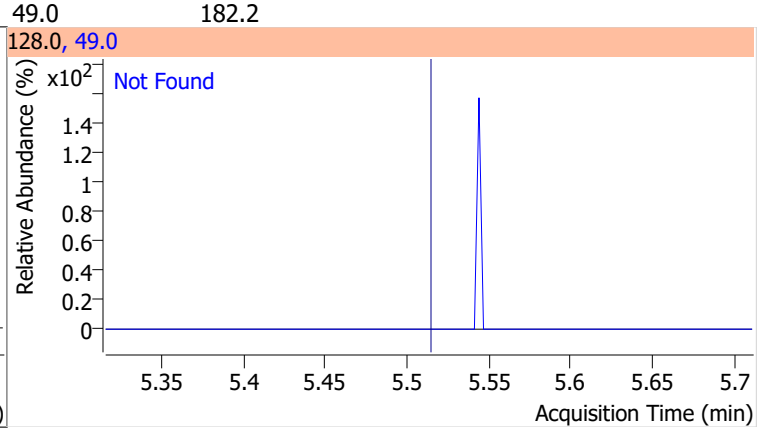
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



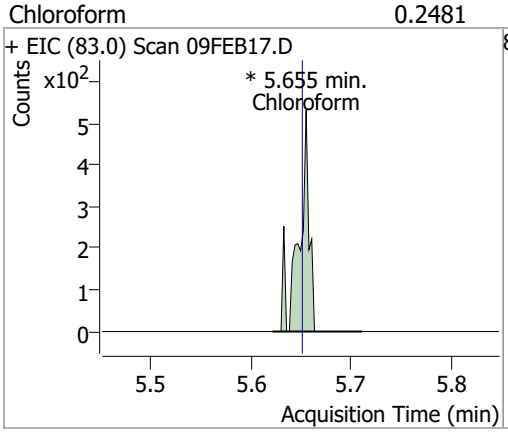


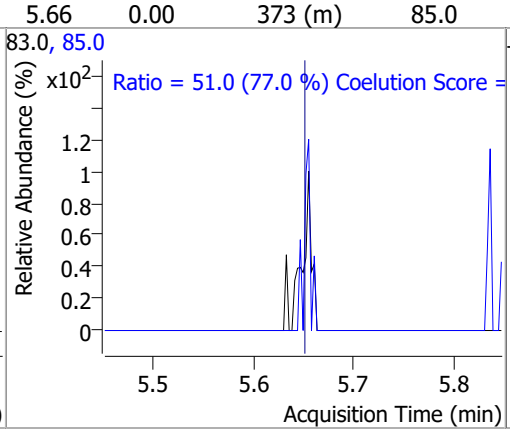
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2

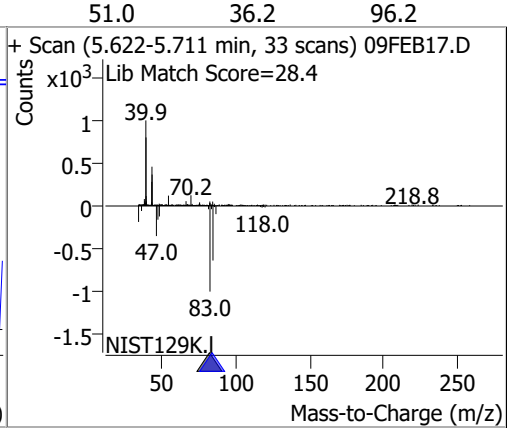




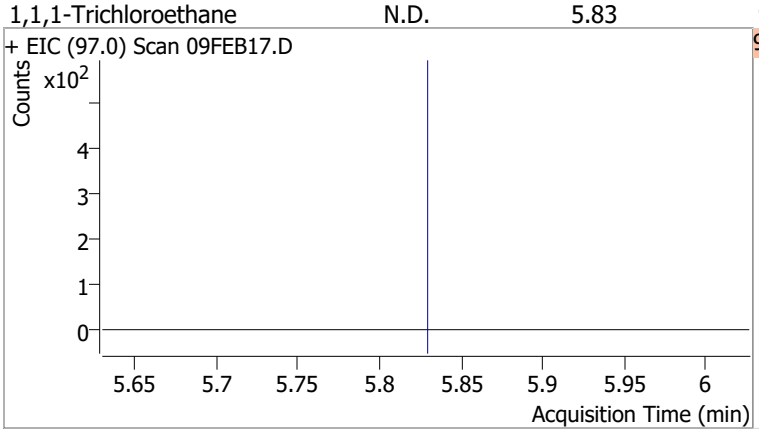
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	0.2481	5.66	0.00	373 (m)	85.0	51.0	36.2	96.2

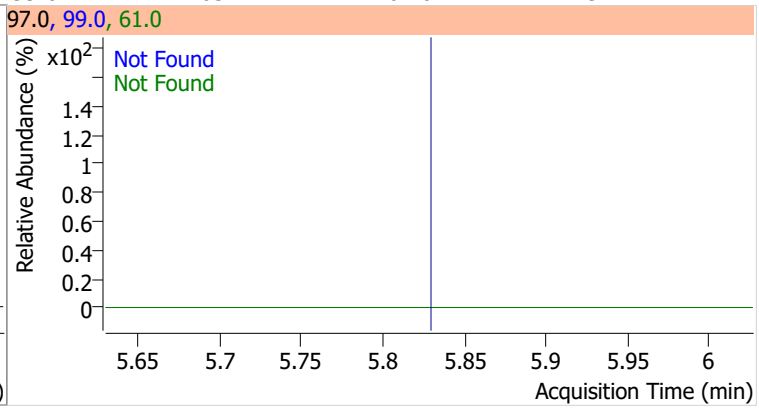




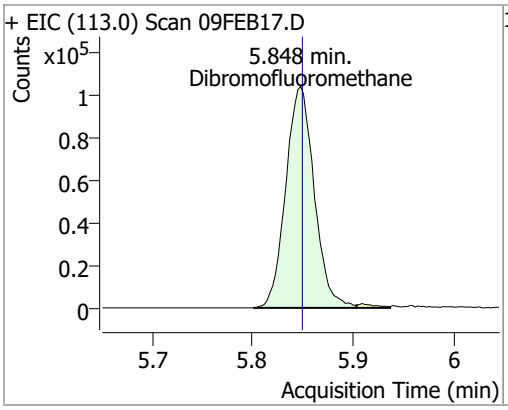


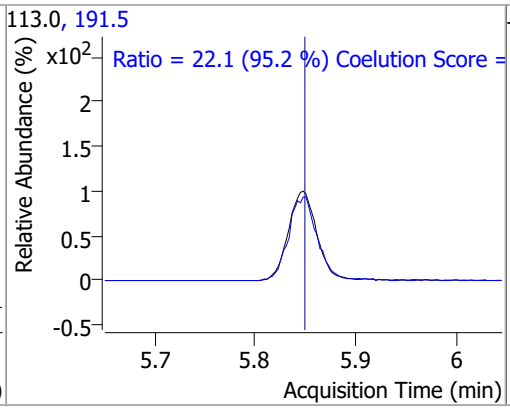
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

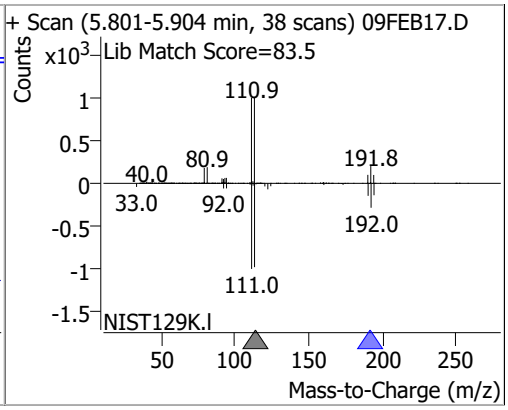




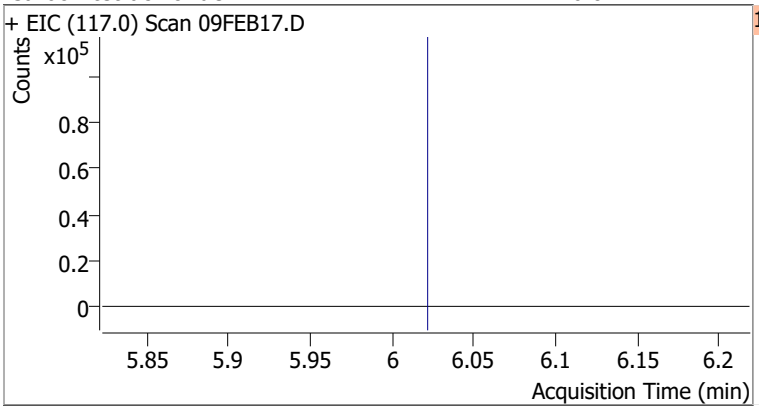
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	274.4938	5.85	0.00	205754	191.5	22.1	0.0	53.2

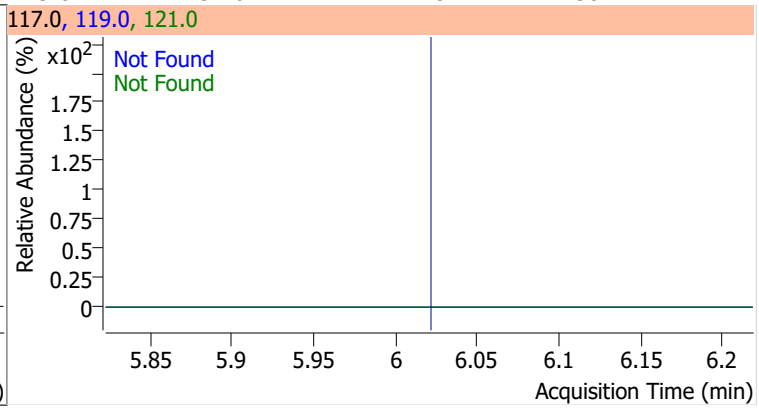




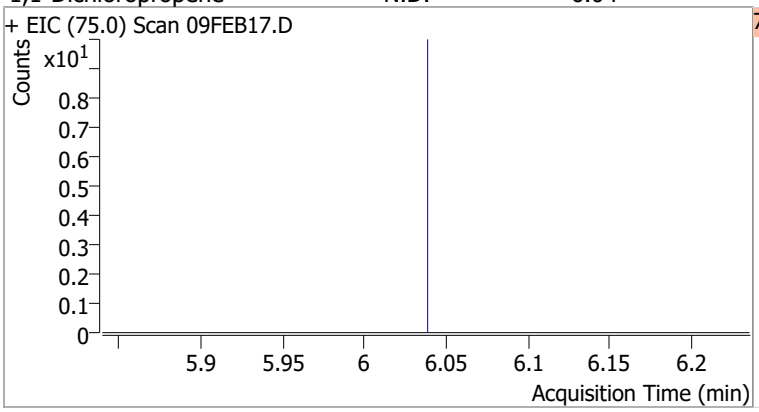


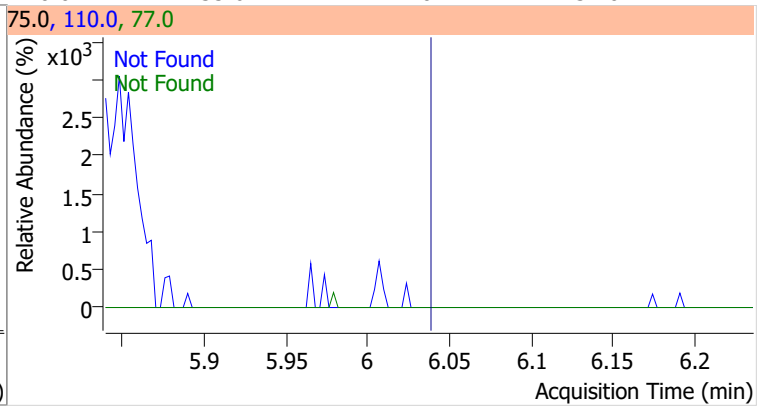
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7



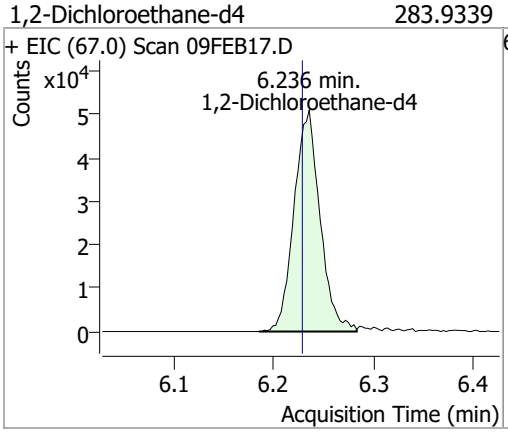


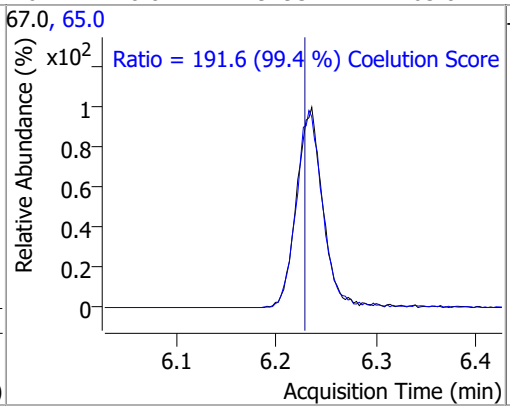
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

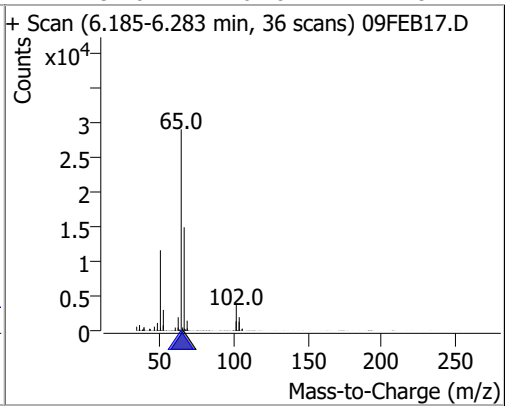




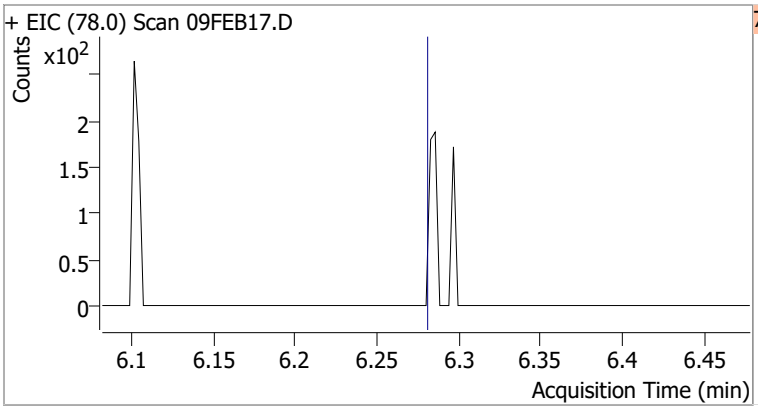
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	283.9339	6.24	0.01	91937	65.0	191.6	162.8	222.8

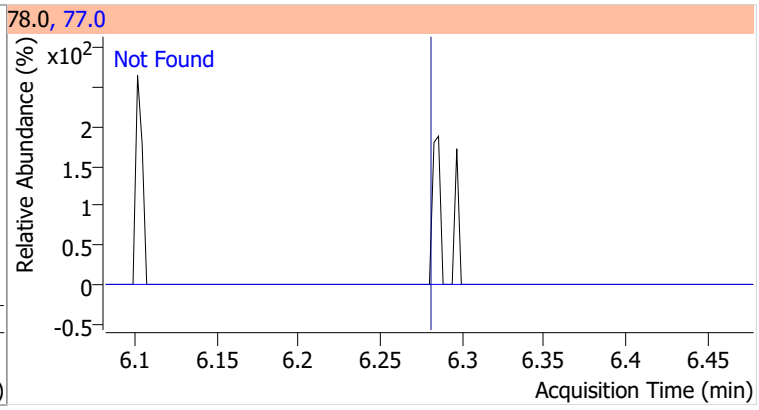




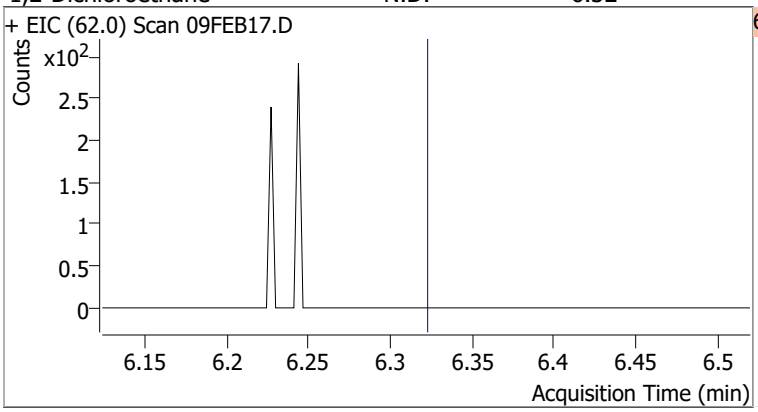


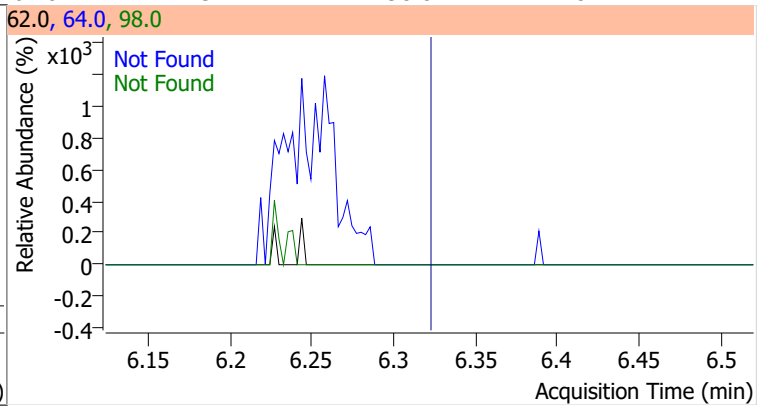
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



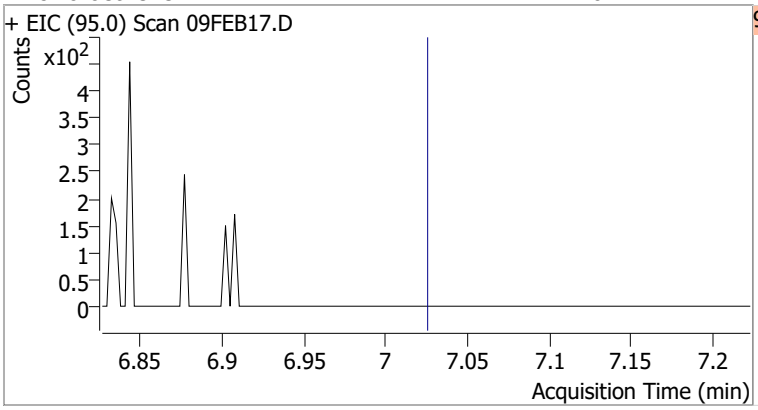


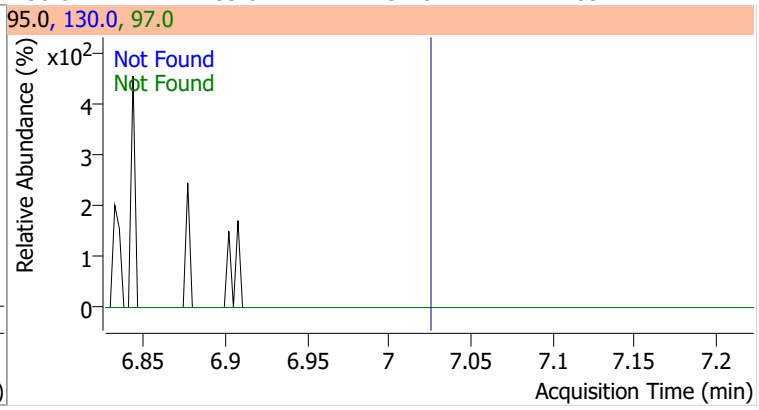
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



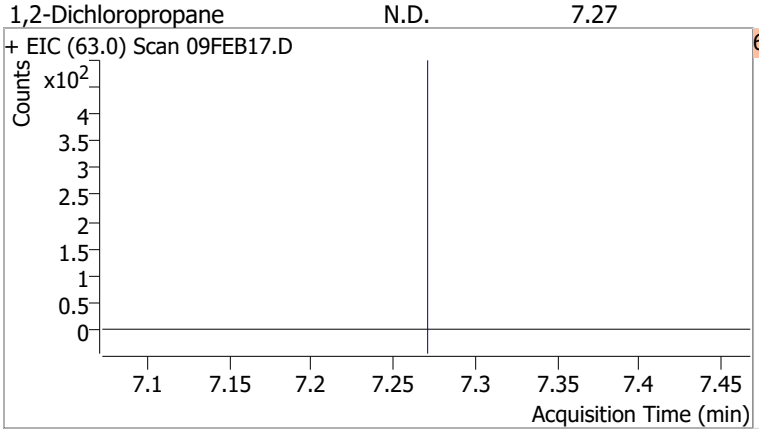


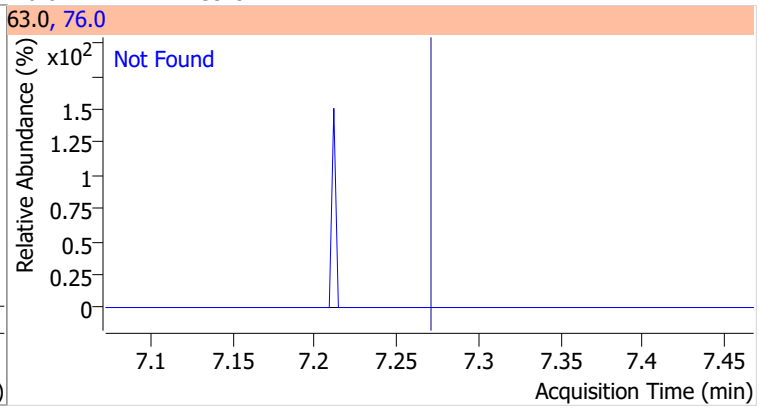
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



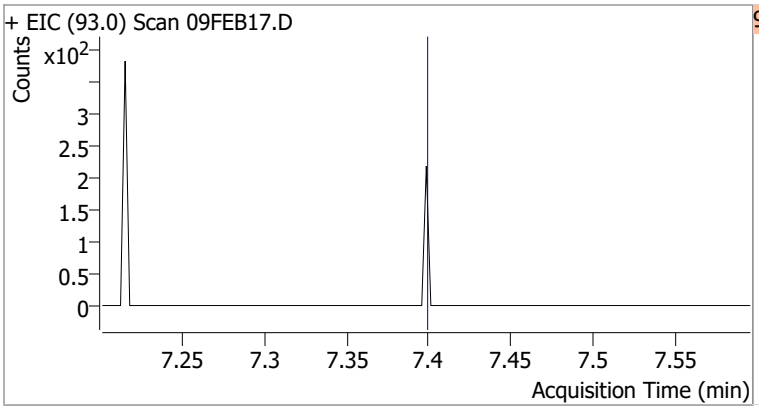


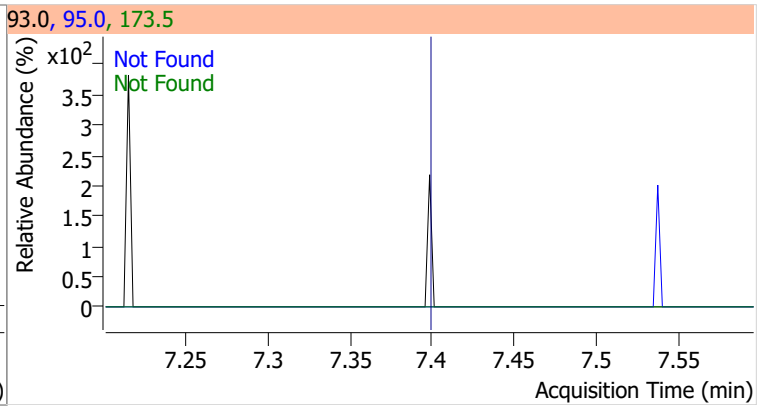
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



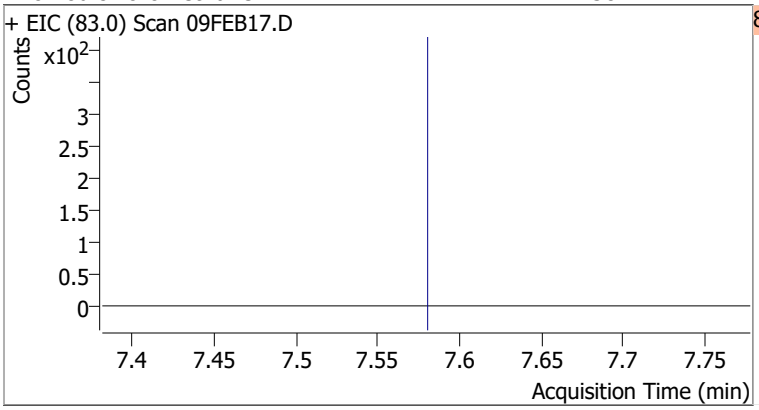


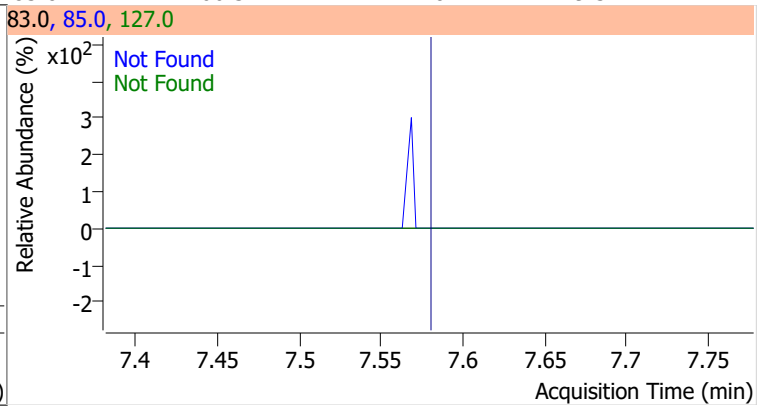
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



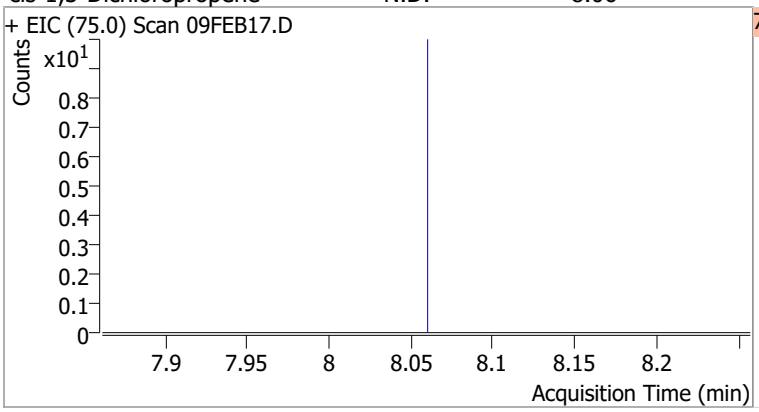


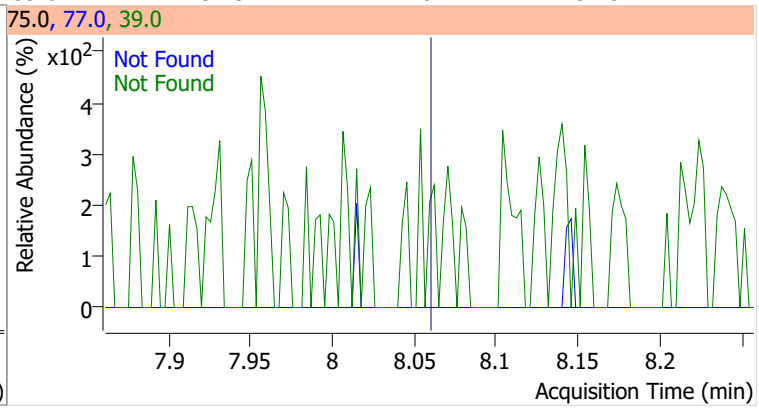
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



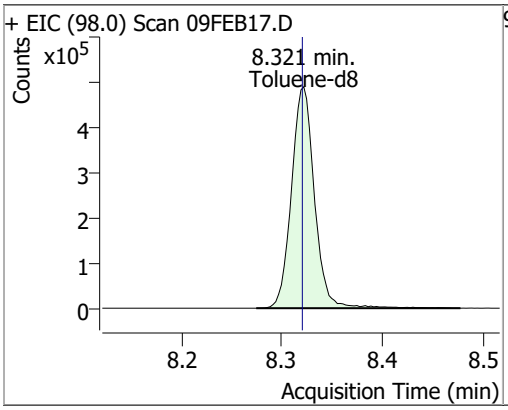


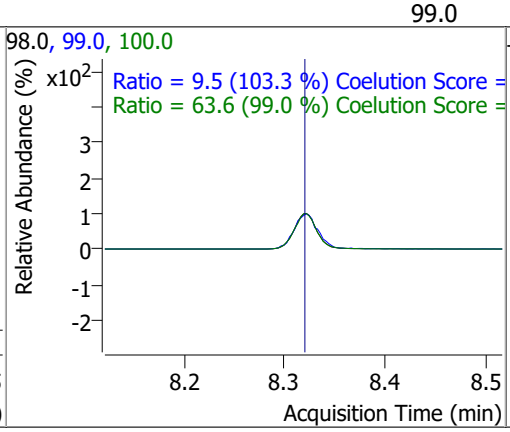
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

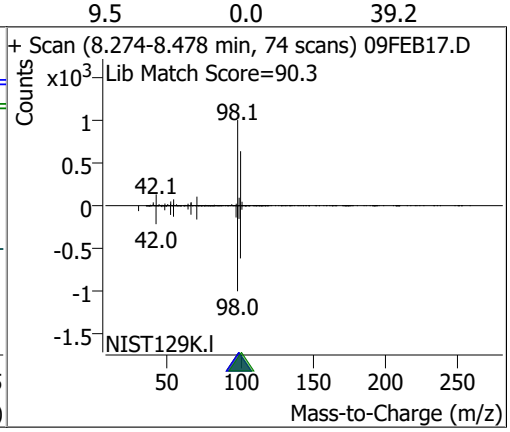




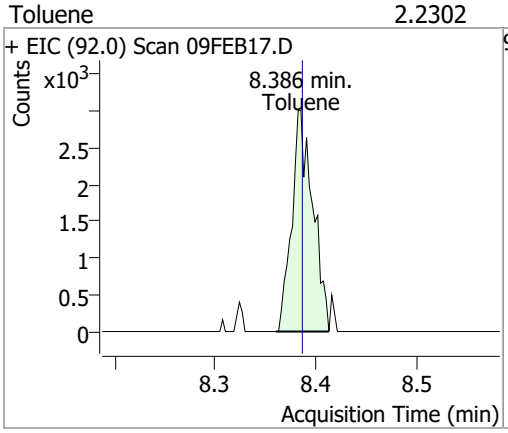
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	265.0890	8.32	0.00	783388	100.0	63.6	34.3	94.3
					99.0	9.5	0.0	39.2

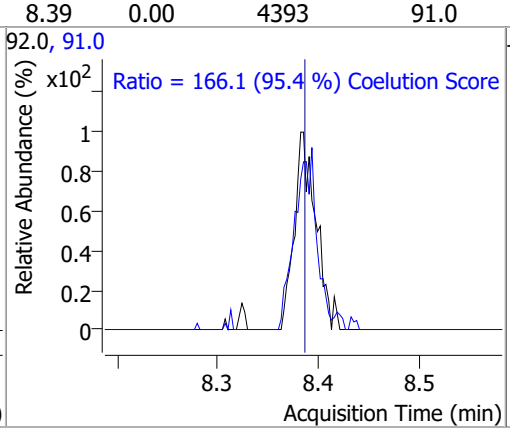


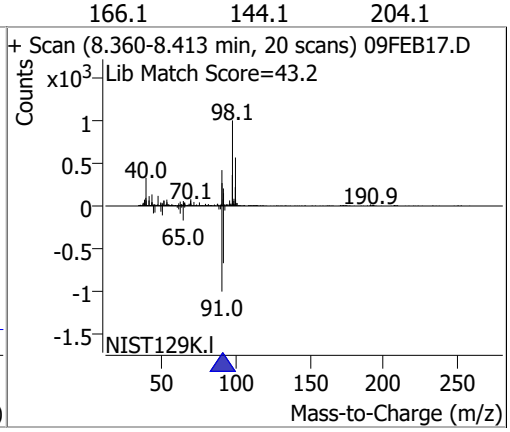




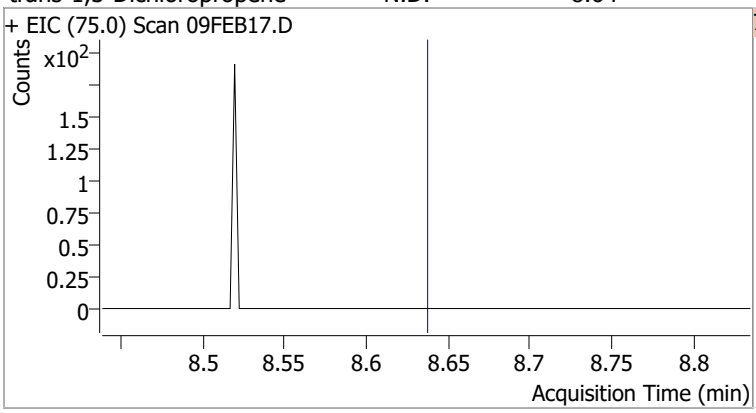
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	2.2302	8.39	0.00	4393	91.0	166.1	144.1	204.1

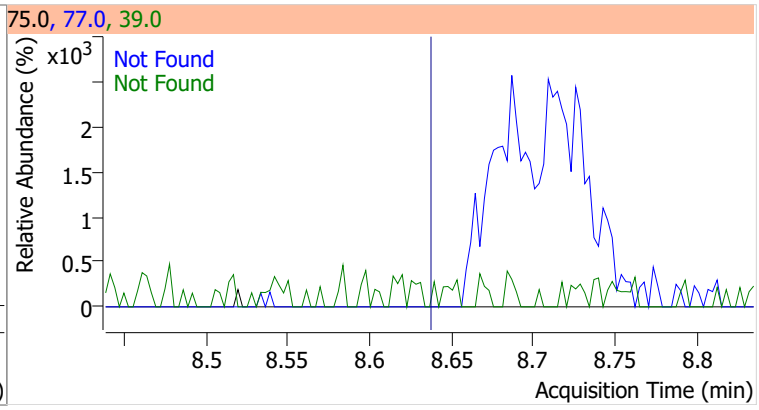




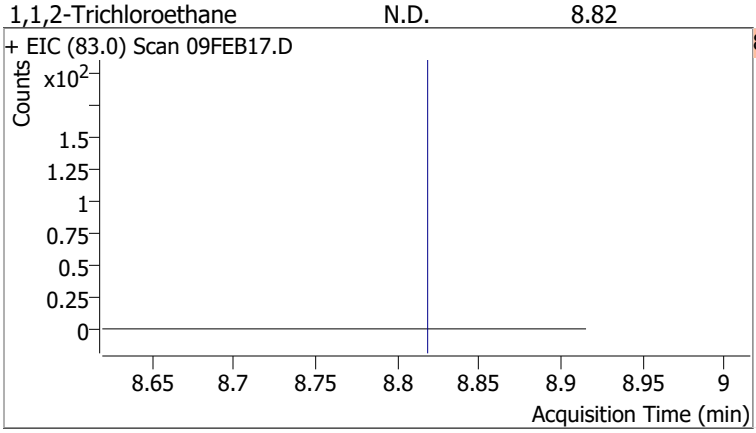


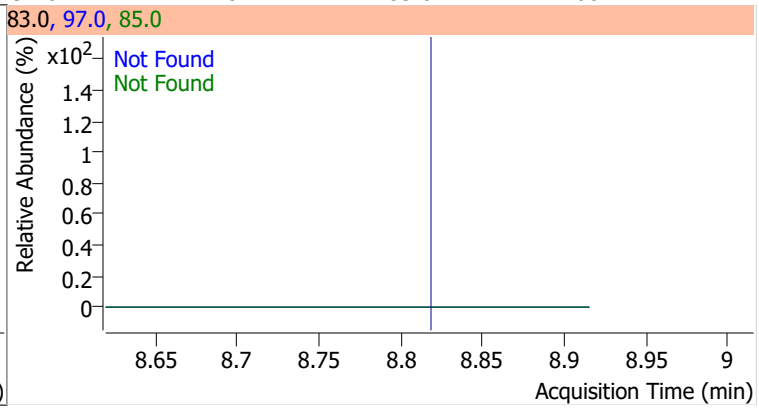
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



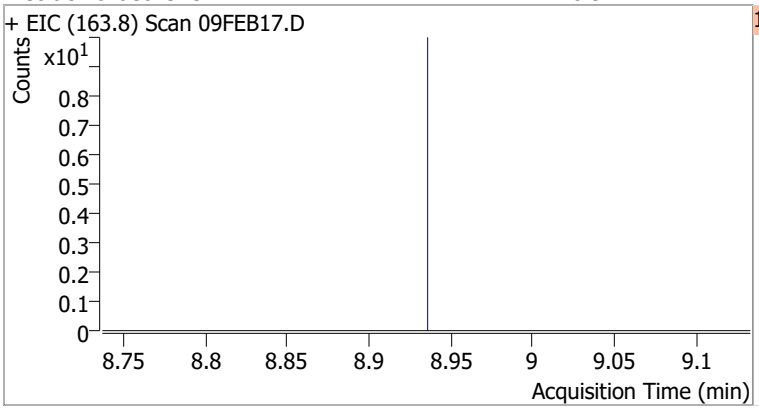


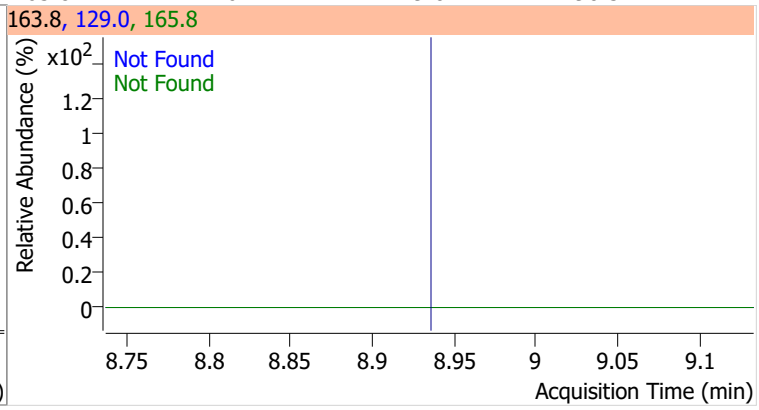
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



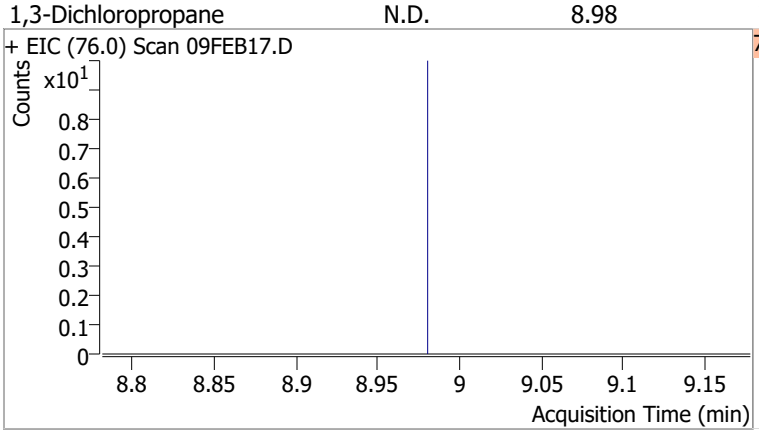


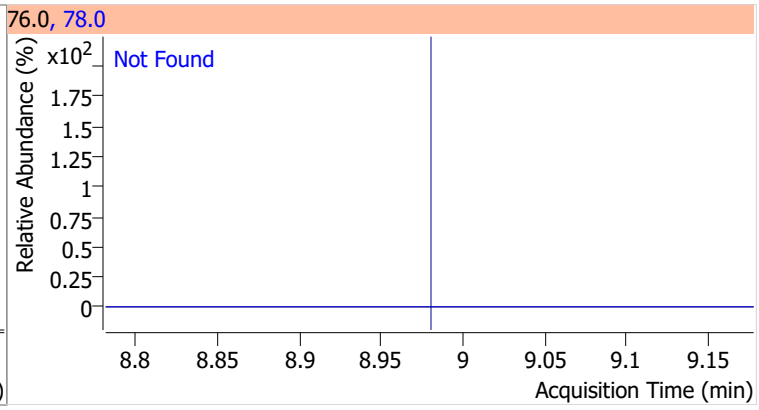
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



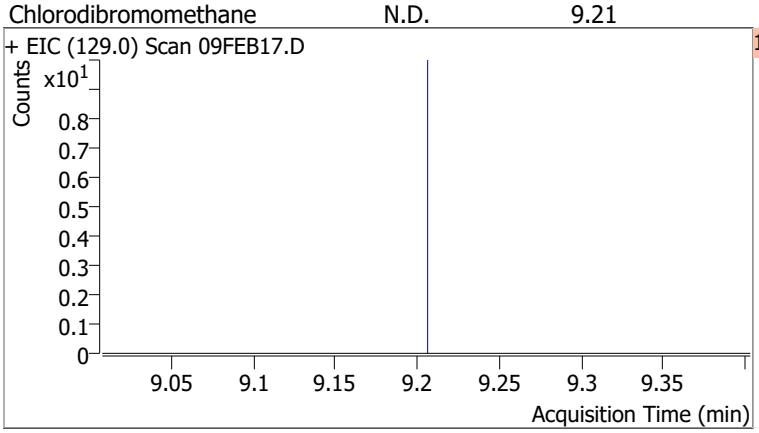


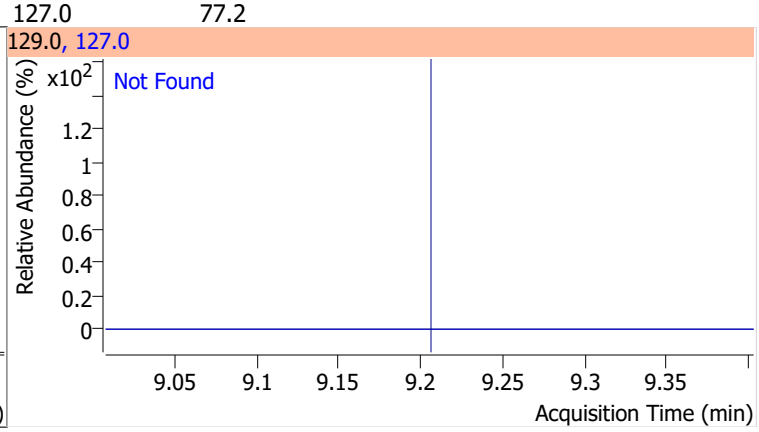
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



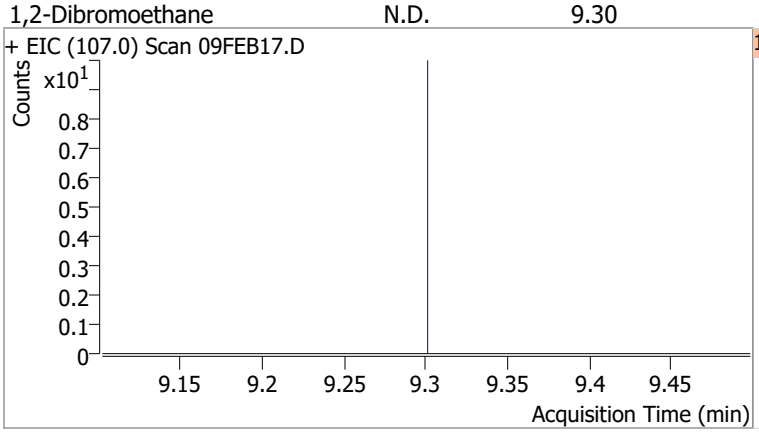


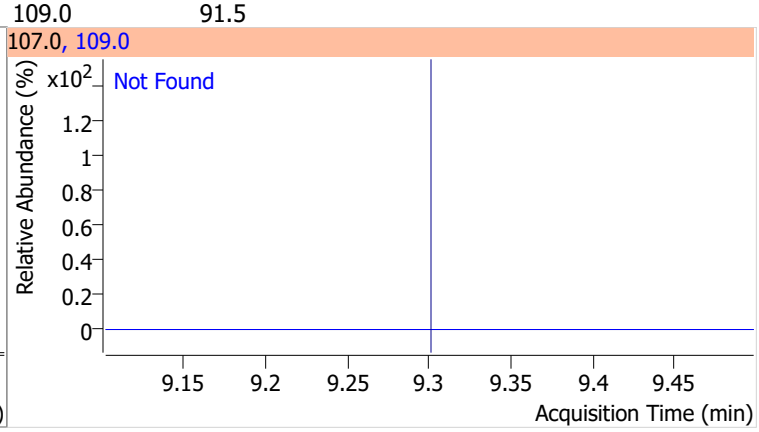
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



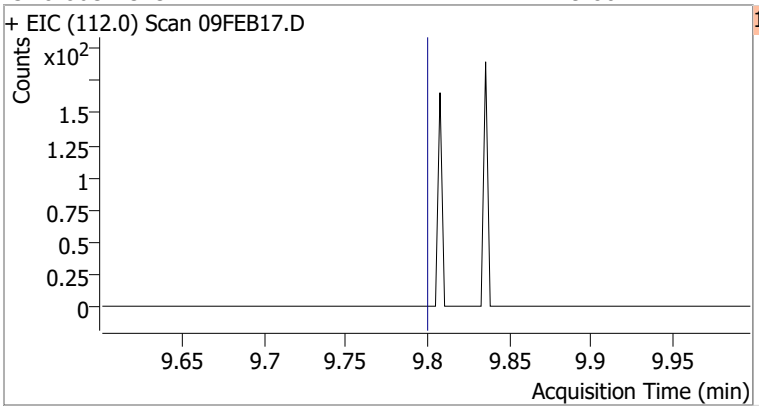


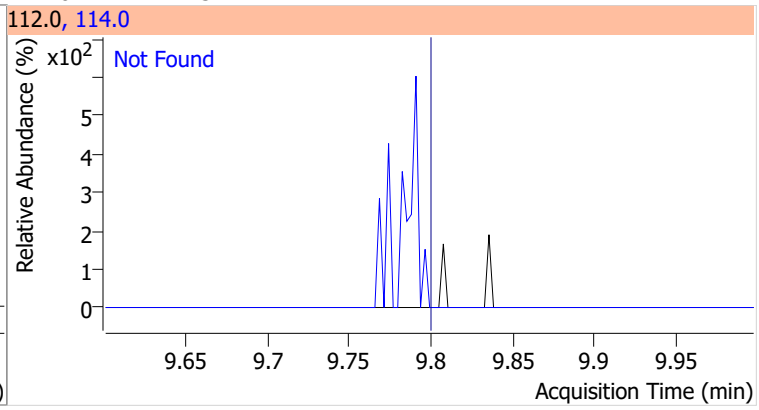
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



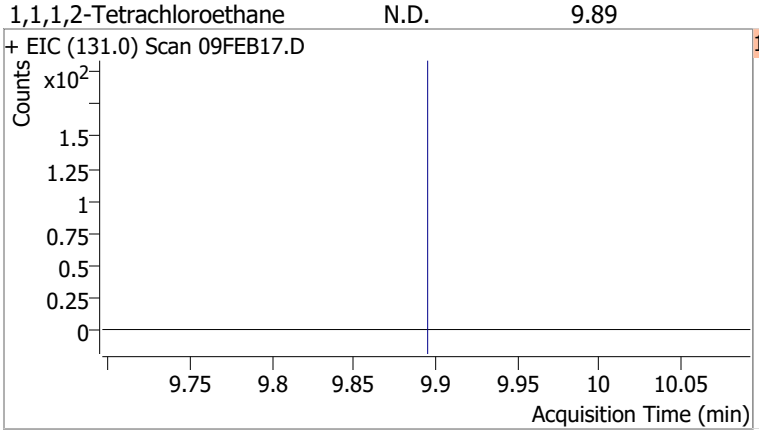


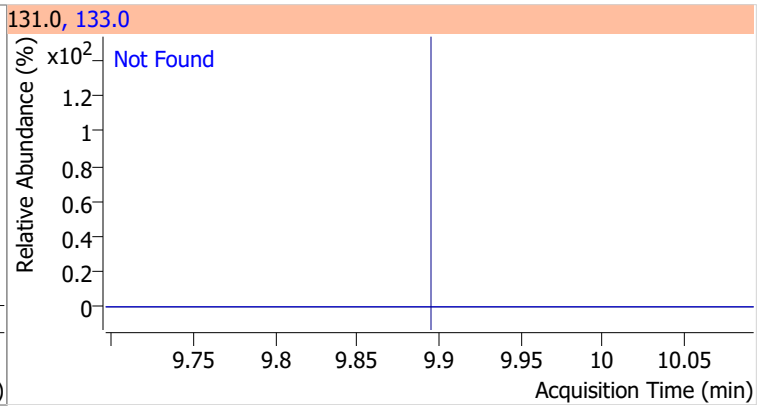
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



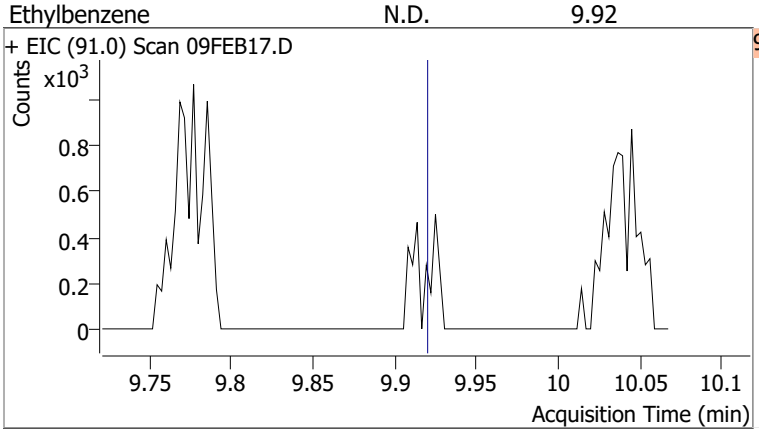


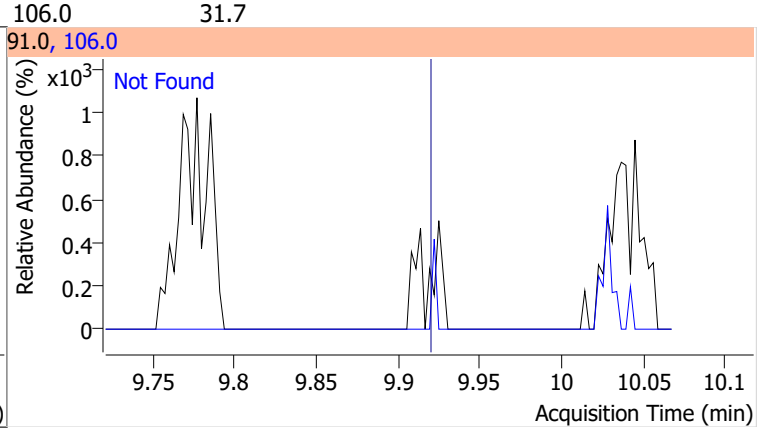
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



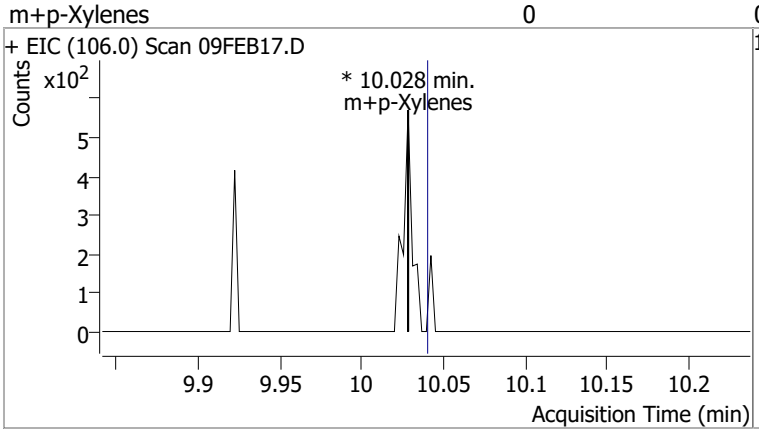


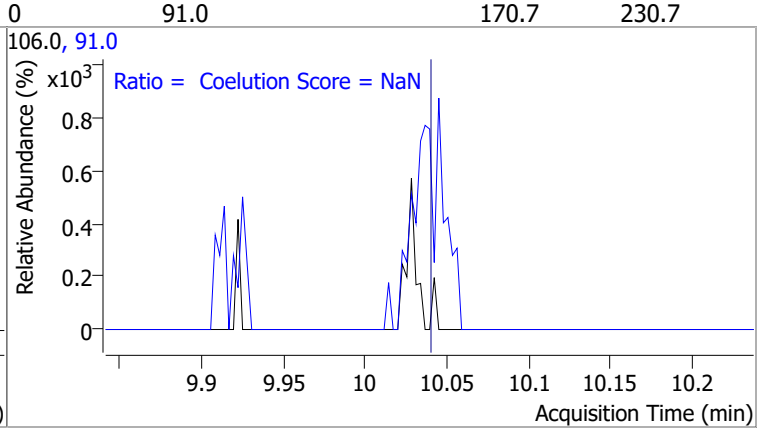
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



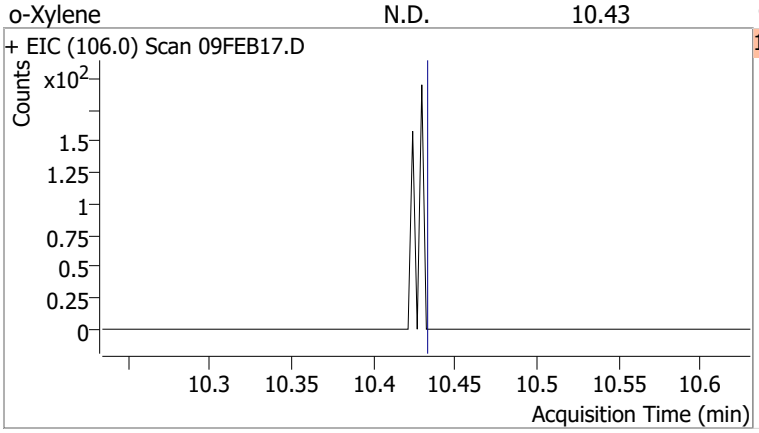


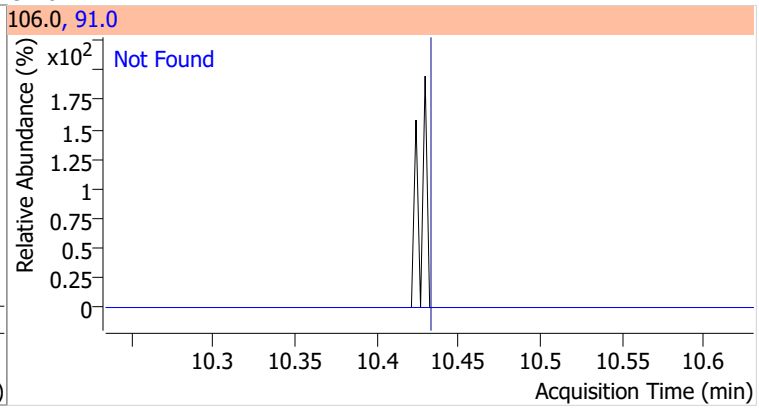
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes		0		0	91.0		170.7	230.7



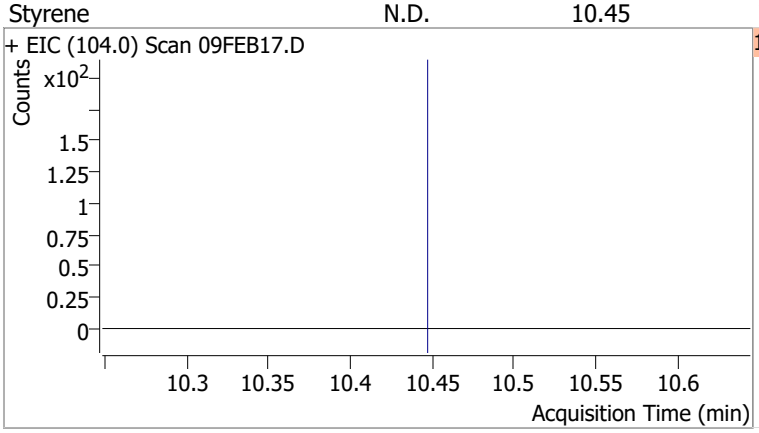


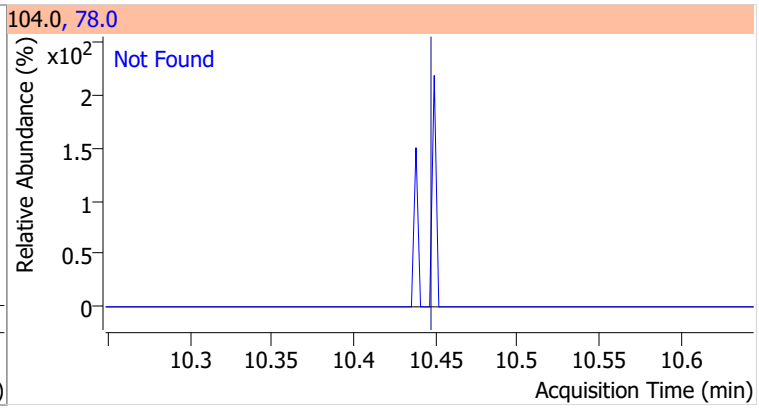
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



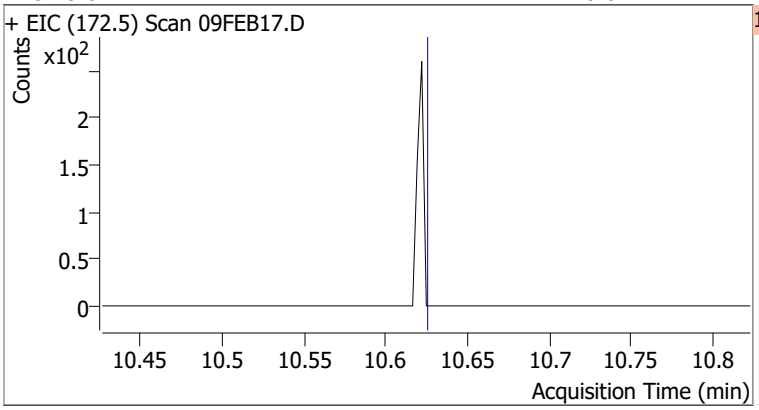


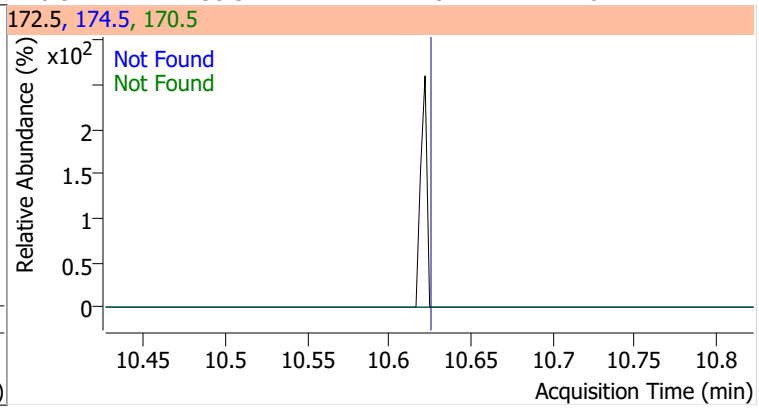
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



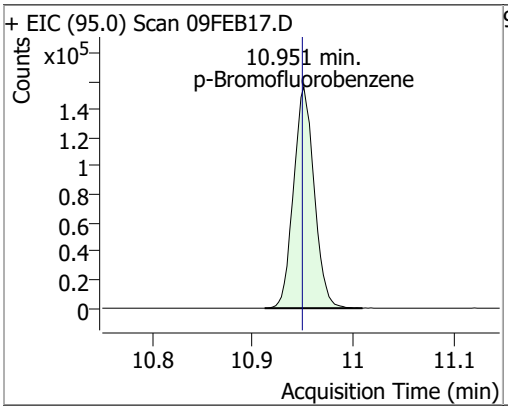


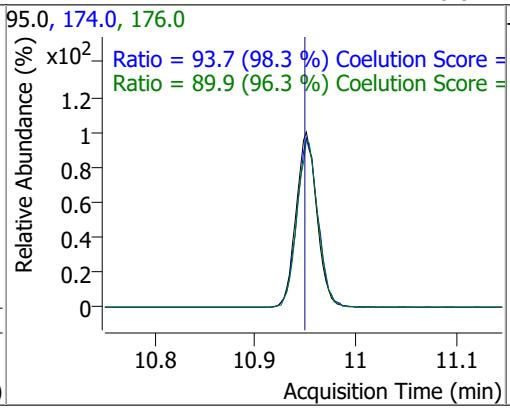
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

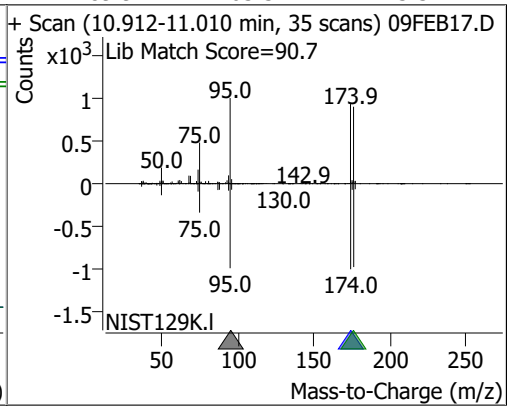




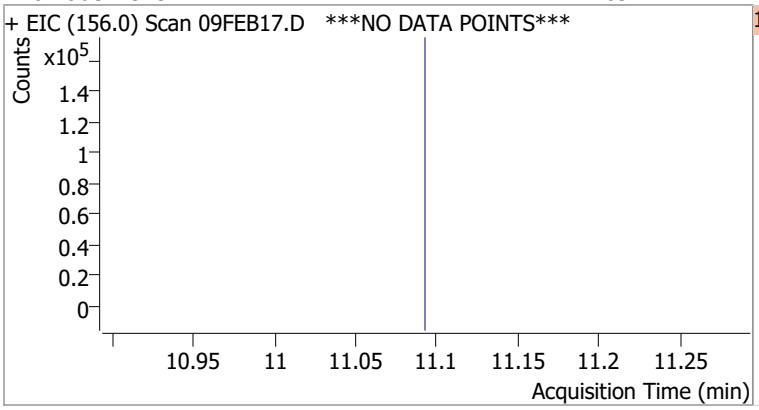
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	262.4484	10.95	0.00	222836	174.0	93.7	65.3	125.3
					176.0	89.9	63.3	123.3

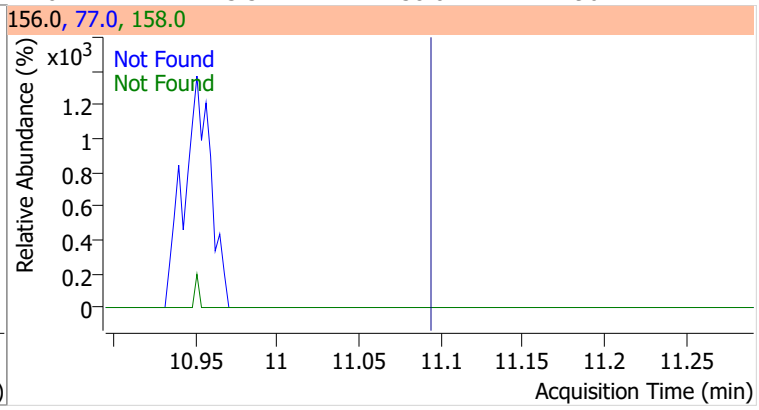




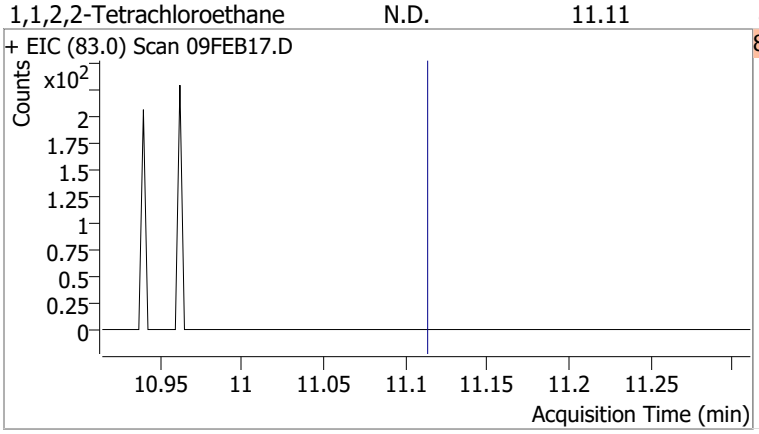


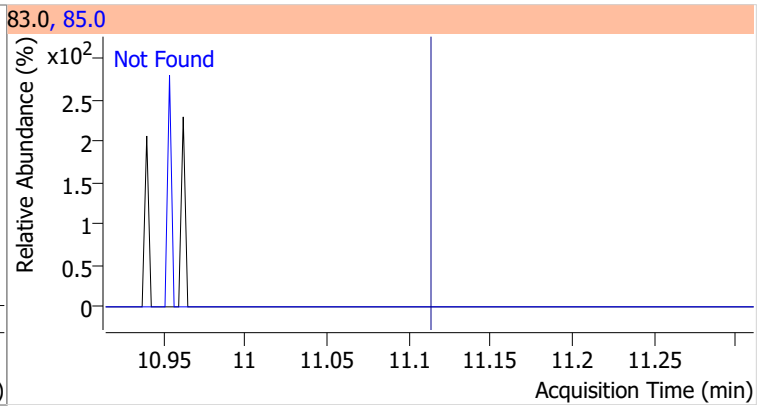
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



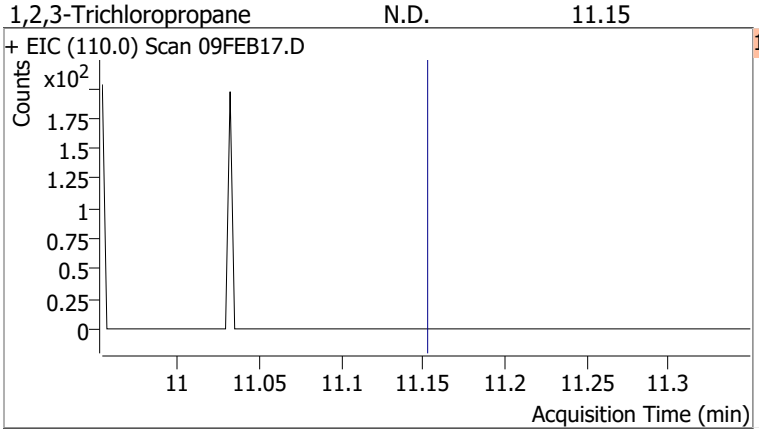


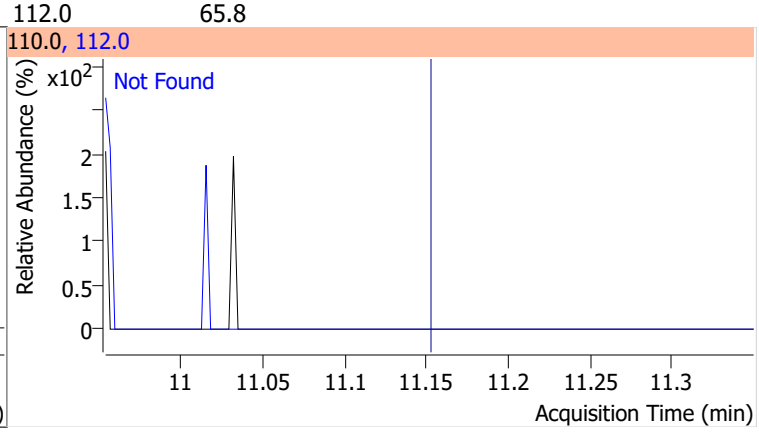
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



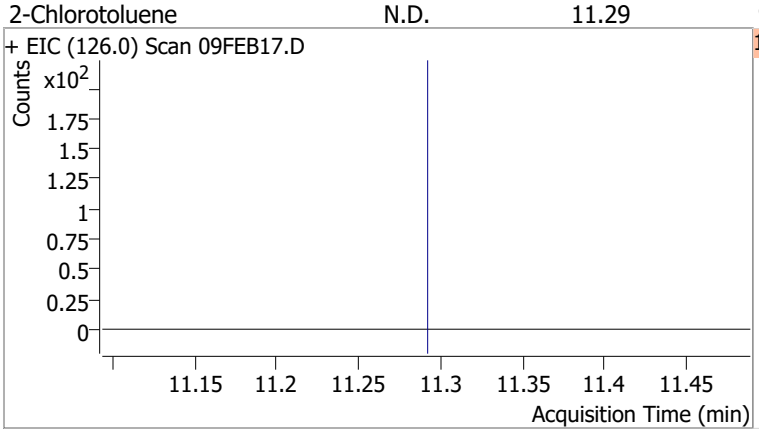


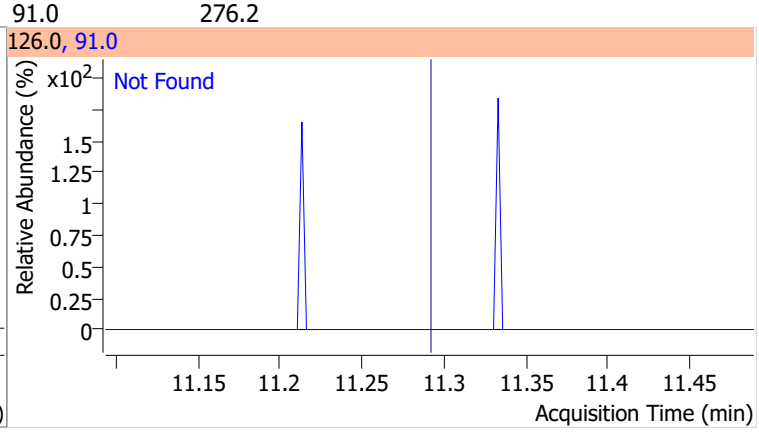
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



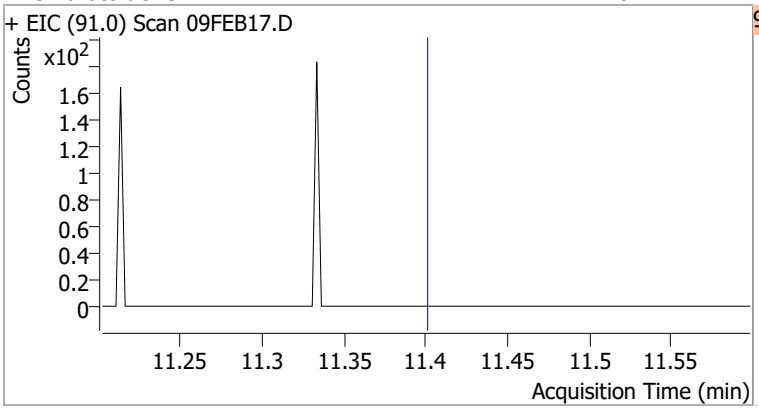


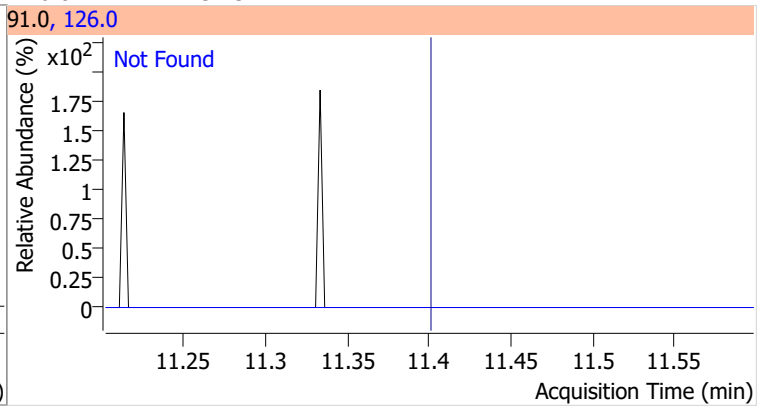
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



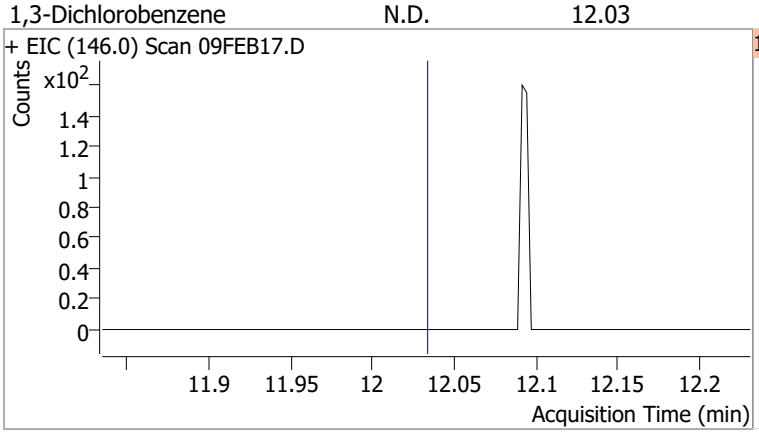


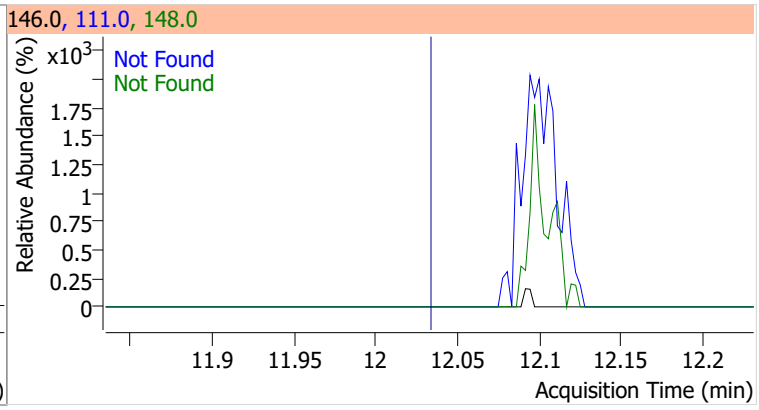
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



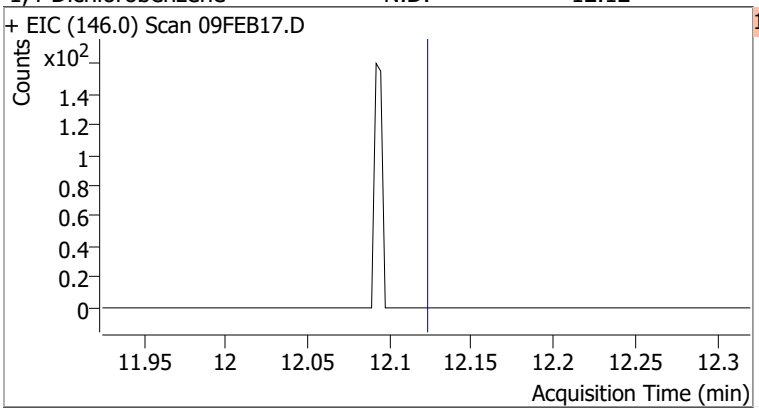


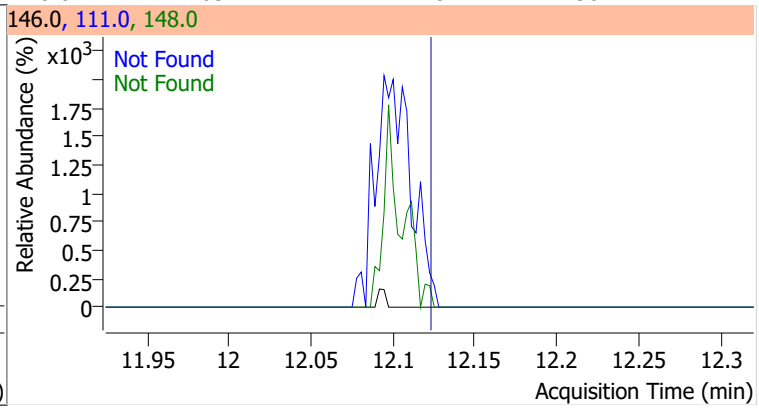
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



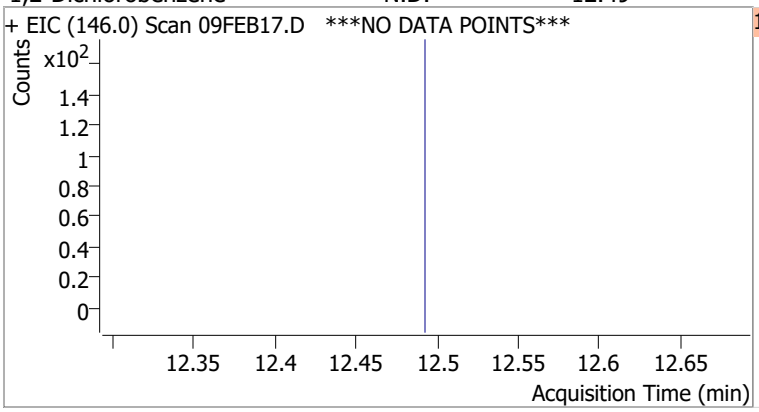


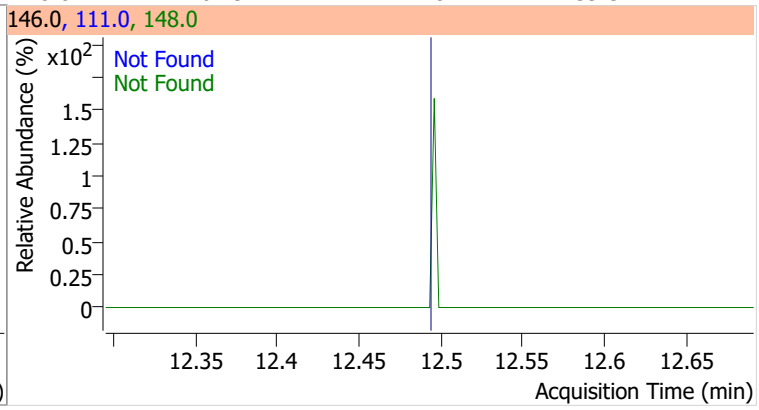
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





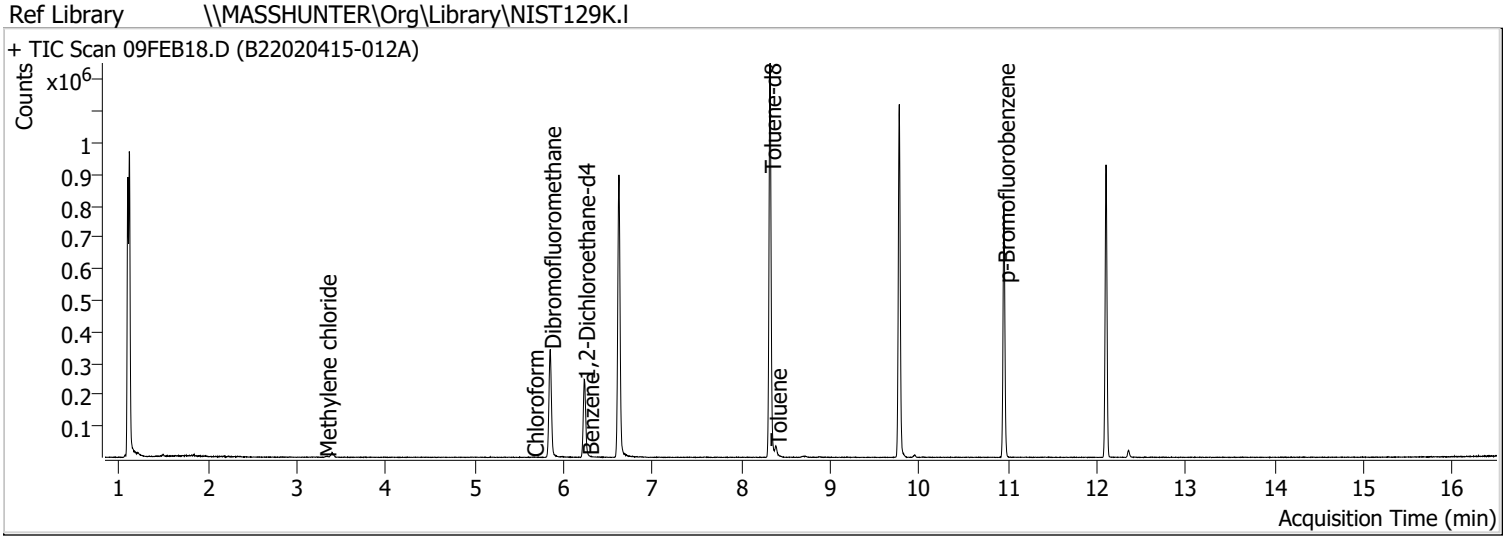
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB18.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 1:23:17 PM
Sample Name	B22020415-012A	Instrument	VOA5975C
Vial	18	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

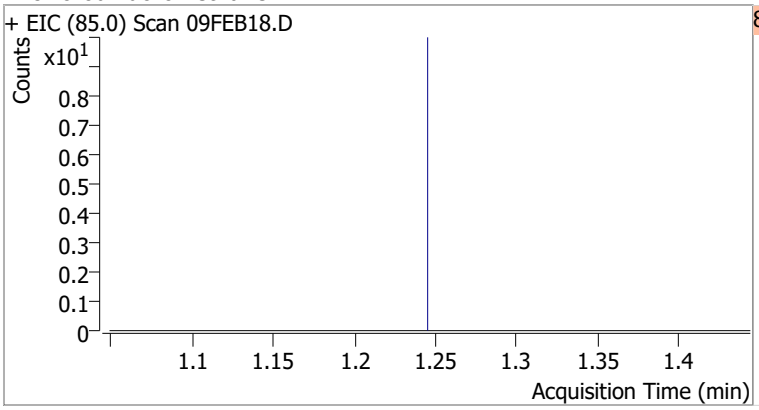


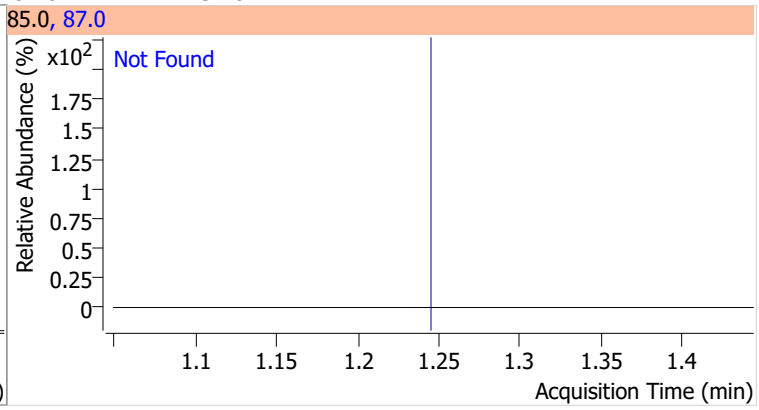
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.623	96.0	751734	250.0000	ng		0.003
M Chlorobenzene-d5	9.774	82.0	298339	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	222517	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.848	113.0	200235	275.0042	ng		-0.003
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 110.00%			
S 1,2-Dichloroethane-d4	6.230	67.0	88696	281.9980	ng		0.000
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 112.80%			
S Toluene-d8	8.321	98.0	767874	263.8213	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 105.53%			
S p-Bromofluorobenzene	10.951	95.0	220544	268.4374	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 107.37%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	0.000		0	N.D.			
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.321	49.0	2380	2.1662	ng	m	93
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	5.653	83.0	869	0.5958	ng	m	66

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	6.275	78.0	274	0.0914	ng	m	95
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	8.386	92.0	9372	4.8307	ng		99
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	9.211	129.0	0		ng	md	1
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	10.042	106.0	0		ng	md	1
T o-Xylene	0.000		0	N.D.			
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

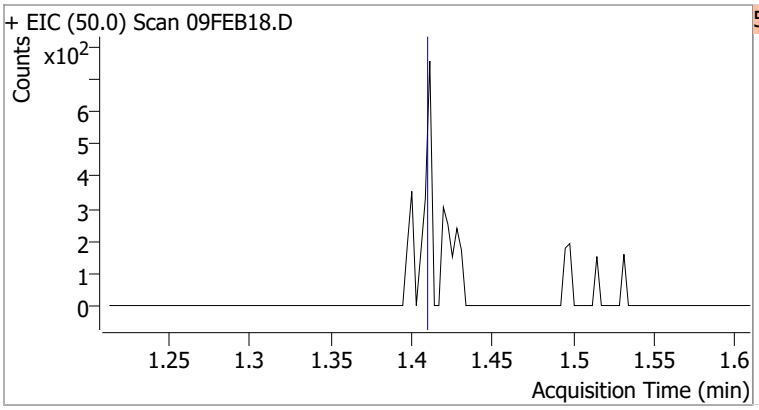
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

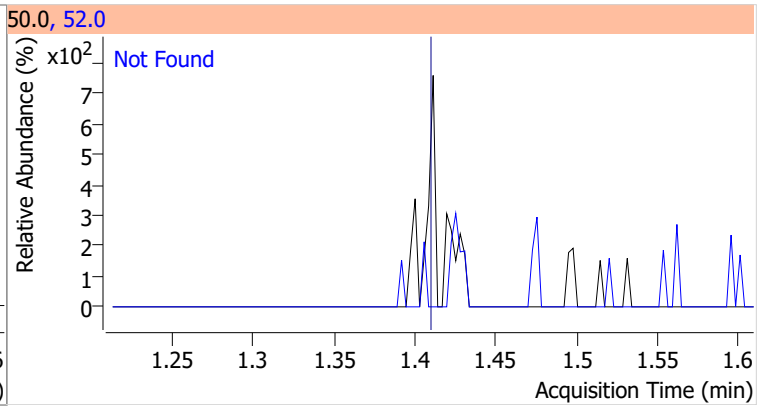
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8



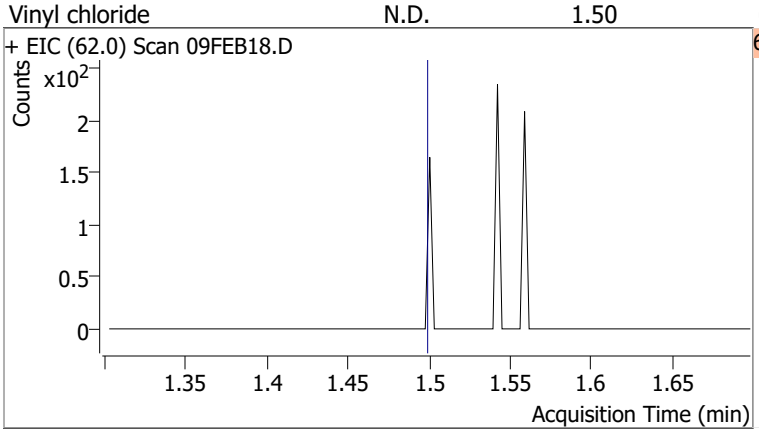


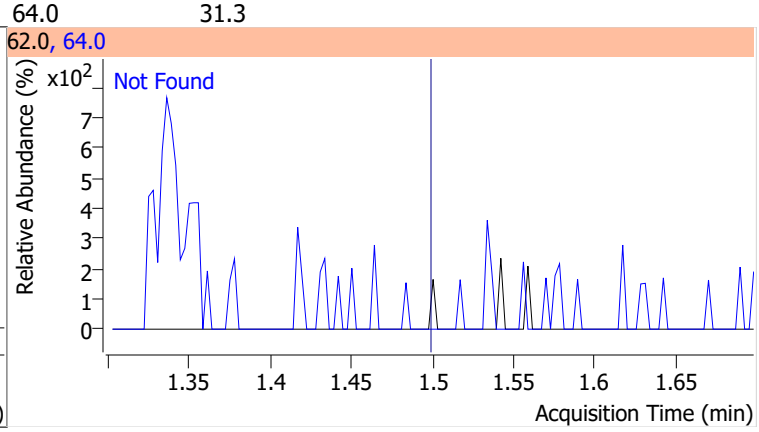
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloromethane	N.D.	1.41	52.0	32.4



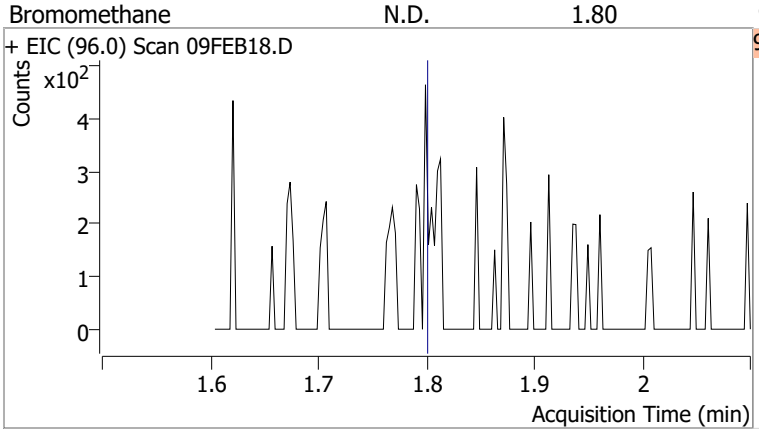


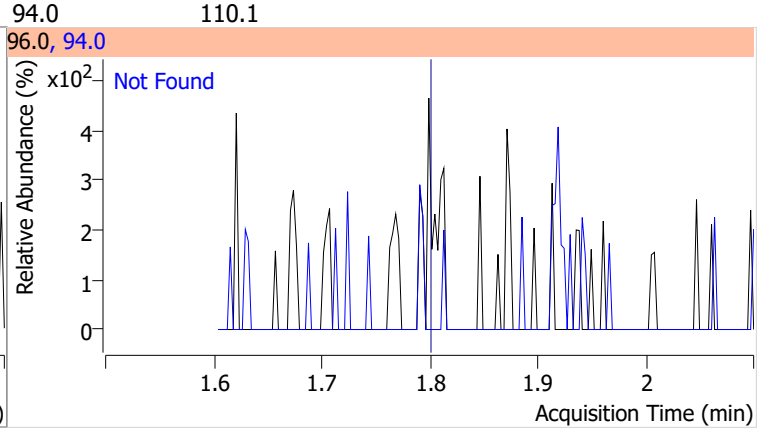
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



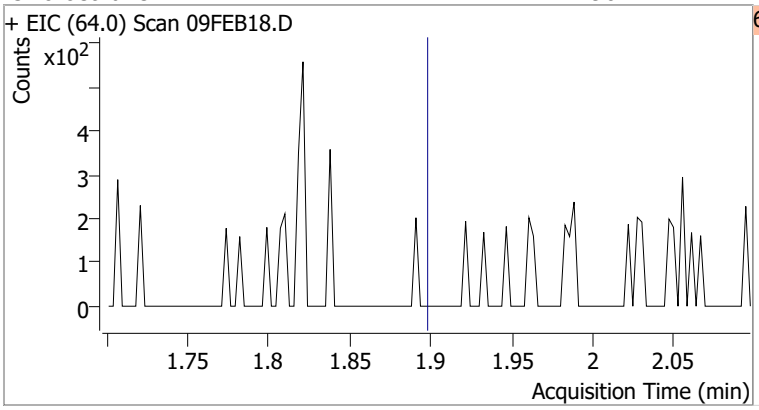


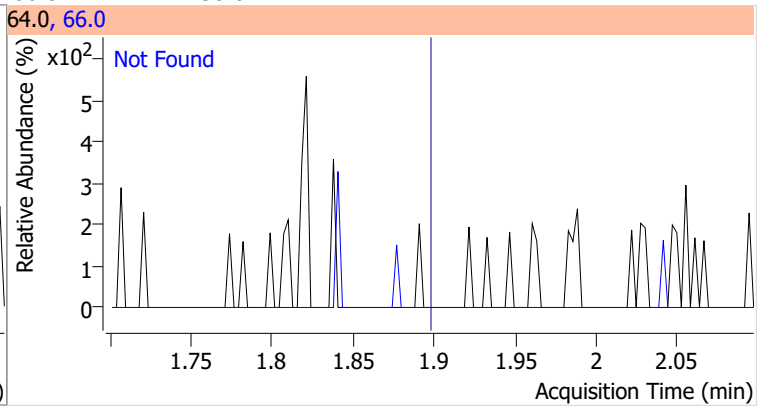
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



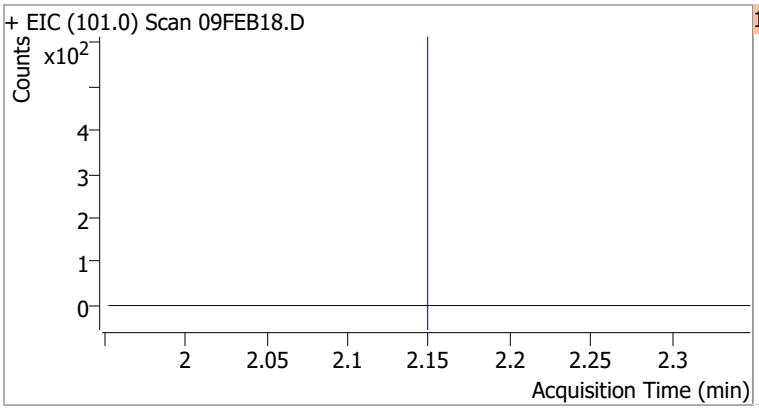


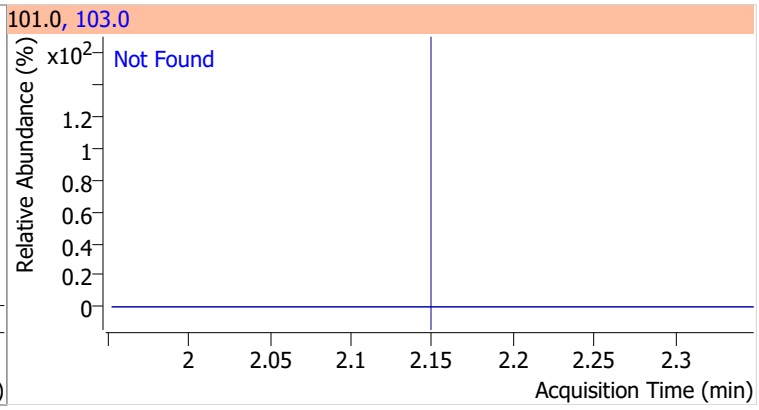
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



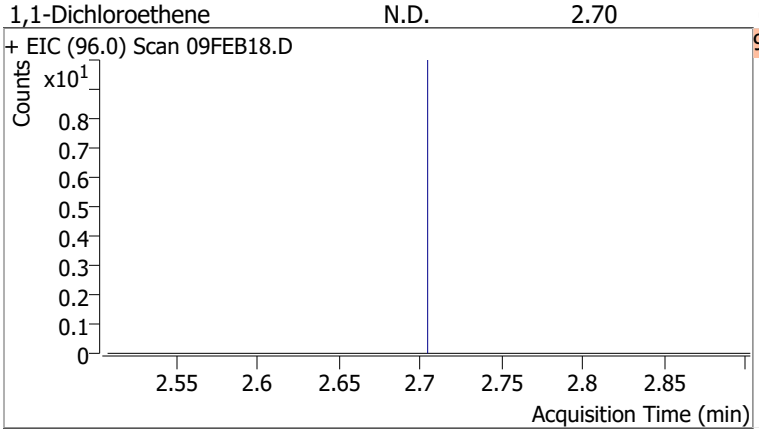


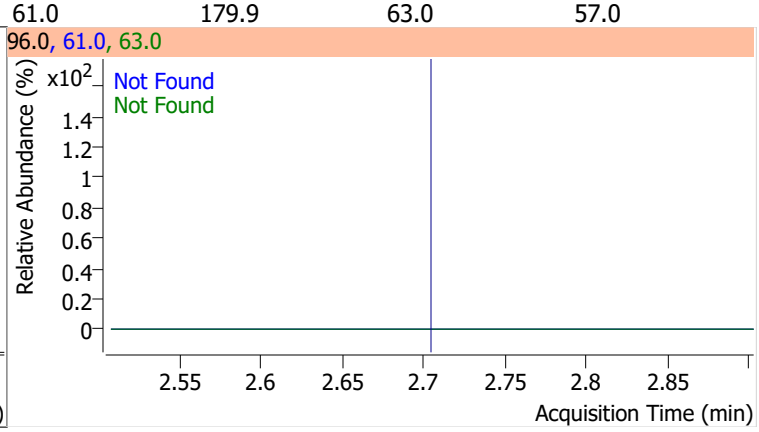
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



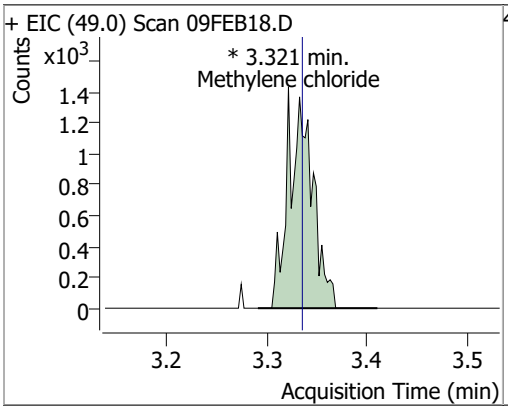


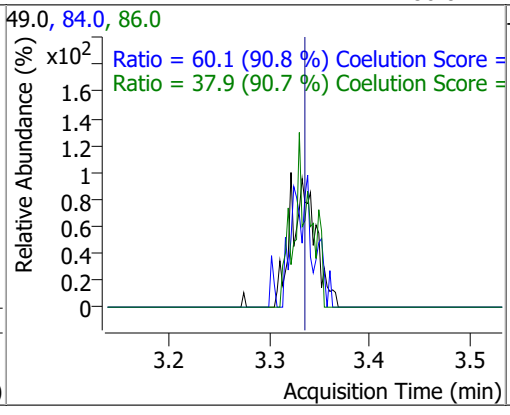
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

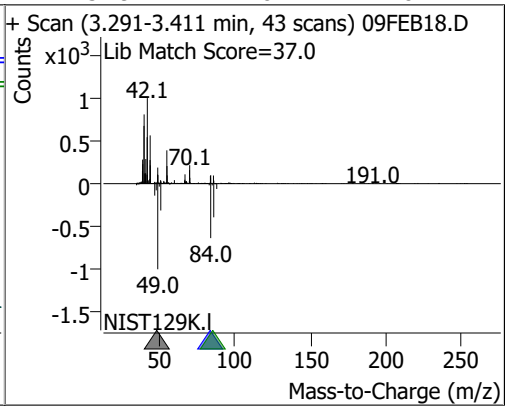




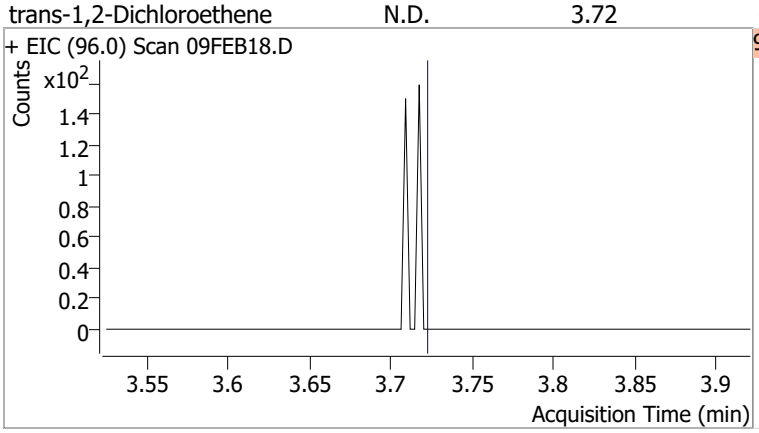
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	2.1662	3.32	-0.01	2380 (m)	84.0	60.1	36.1	96.1
					86.0	37.9	11.8	71.8

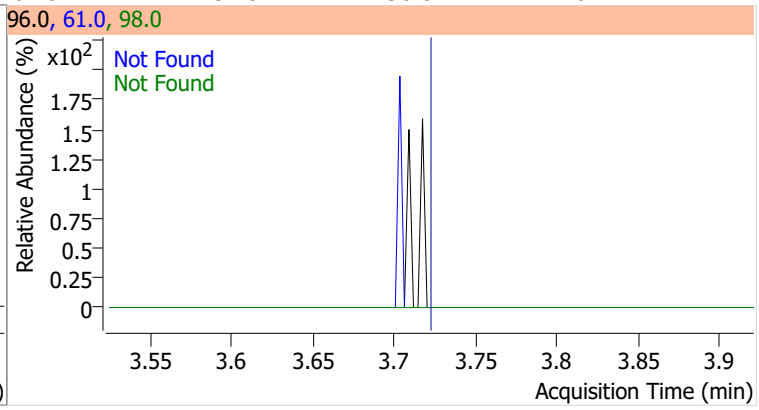




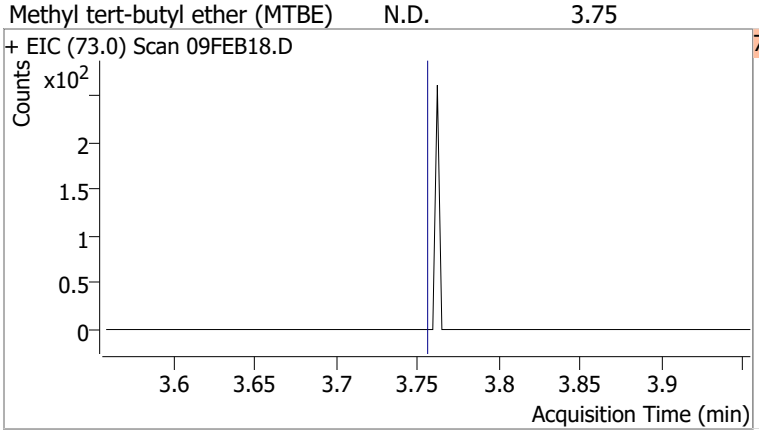


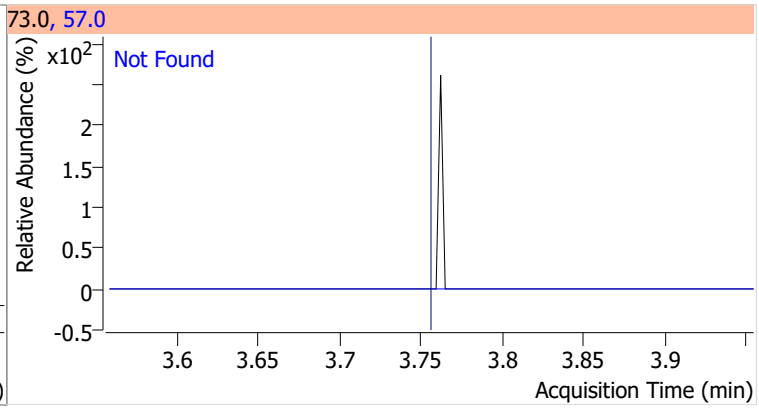
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



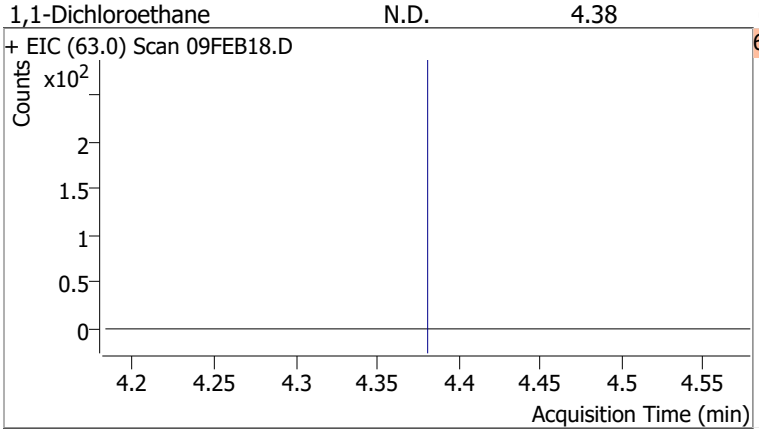


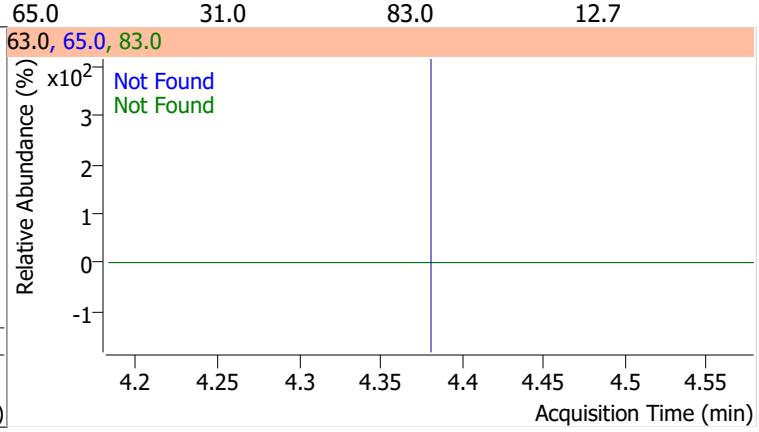
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



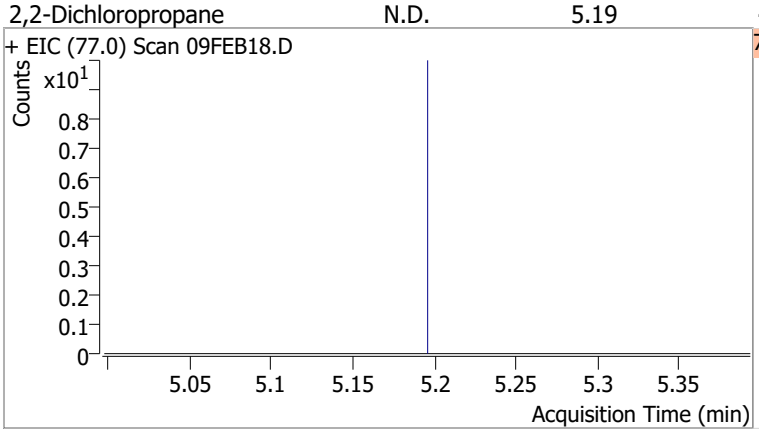


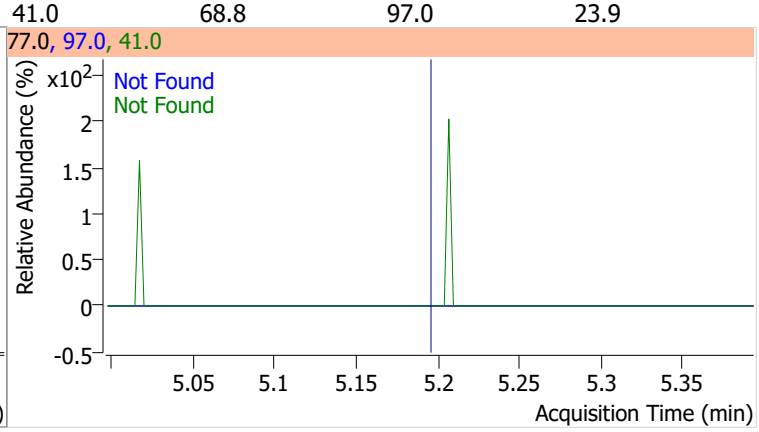
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



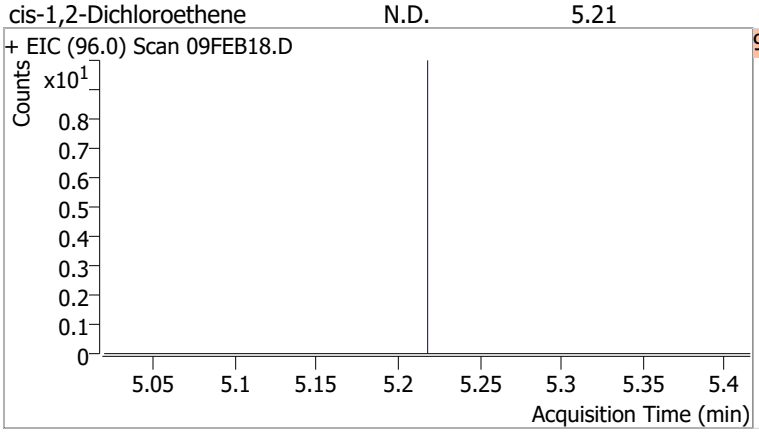


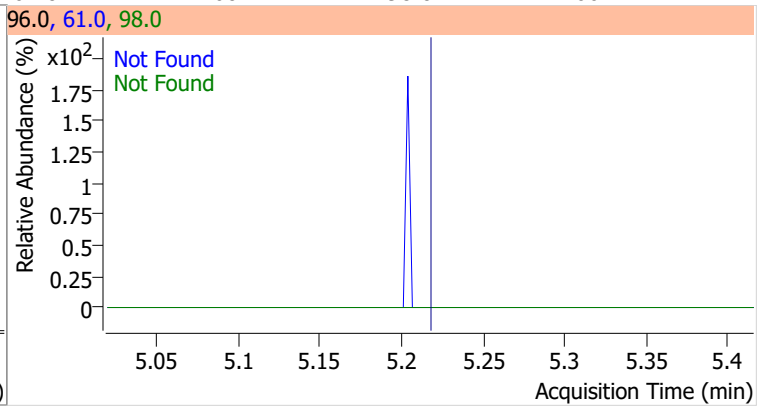
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



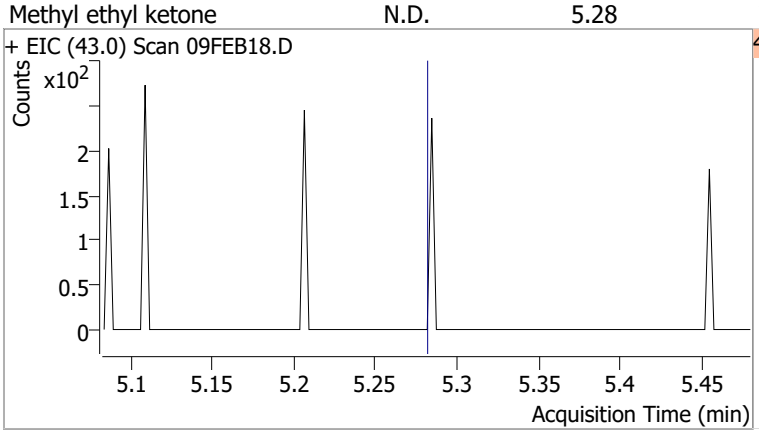


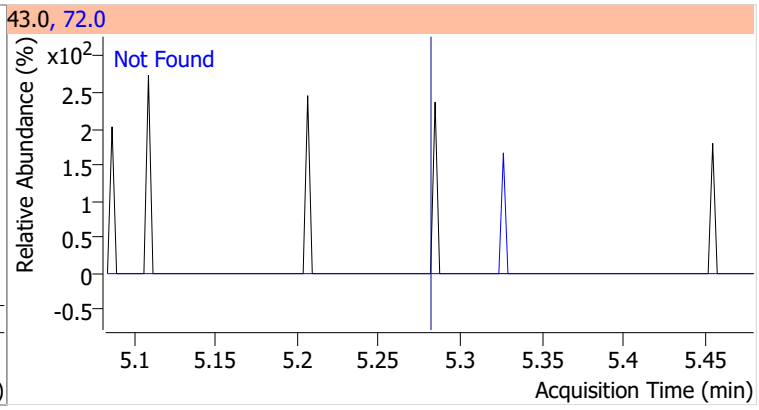
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



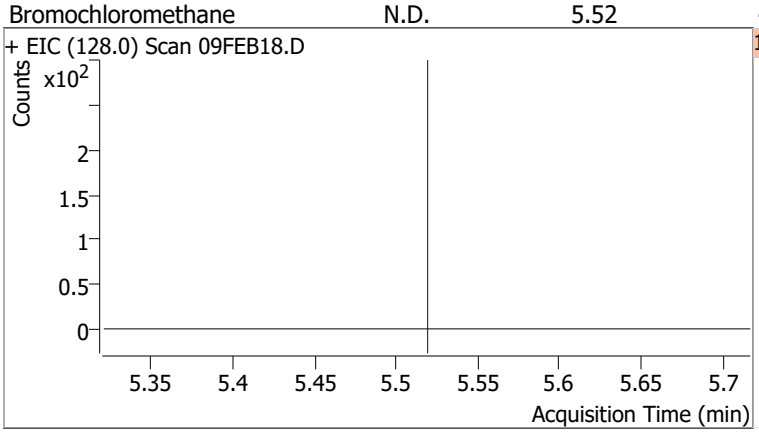


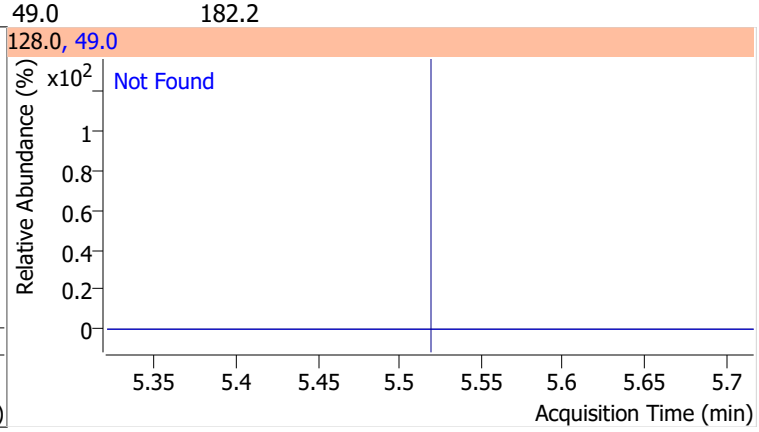
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



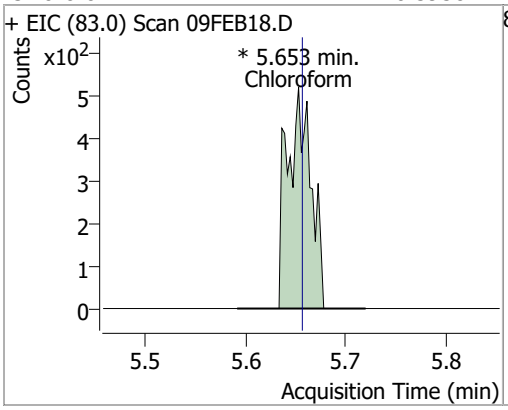


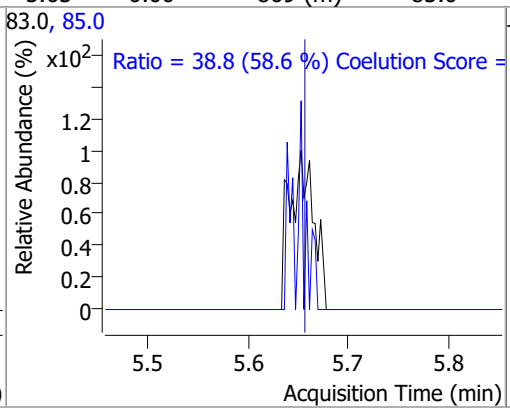
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2

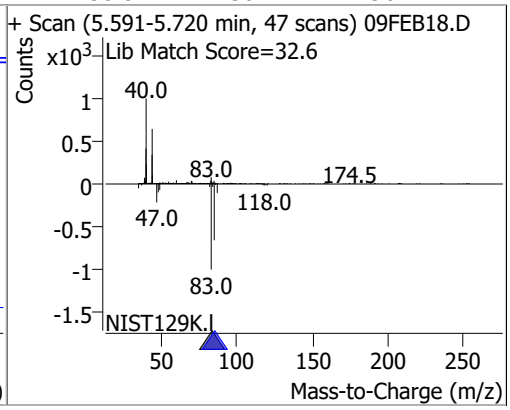




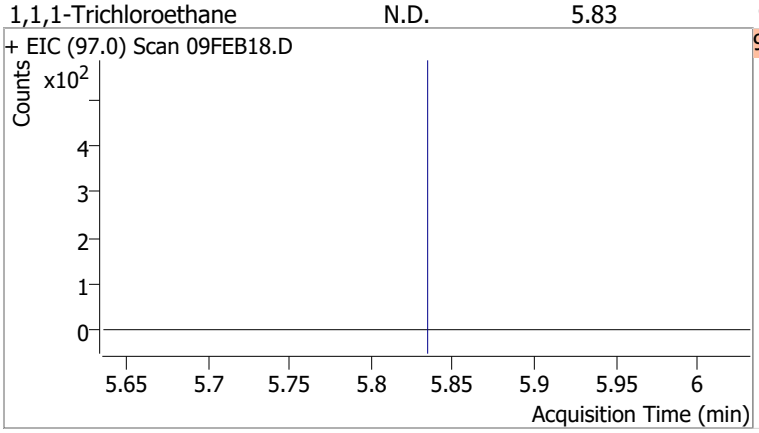
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	0.5958	5.65	0.00	869 (m)	85.0	38.8	36.2	96.2

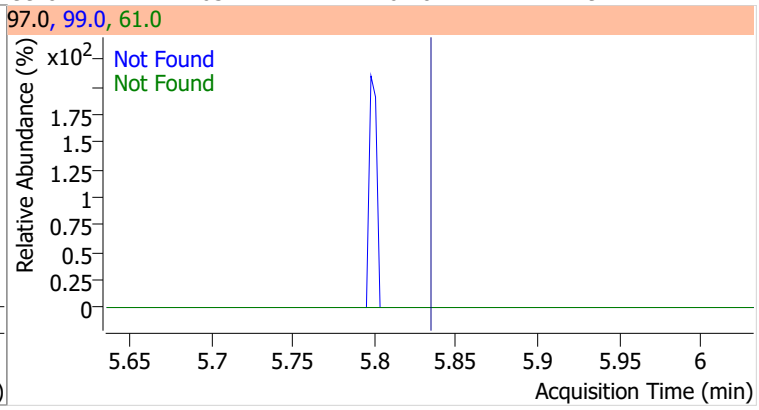




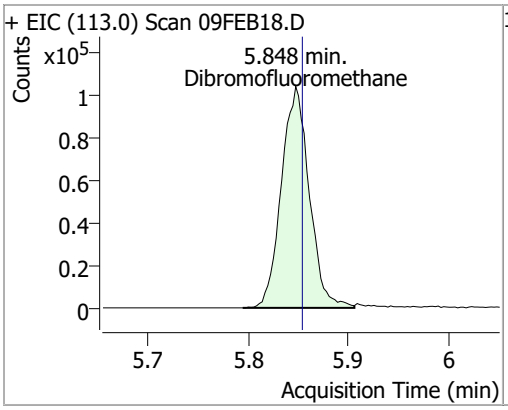


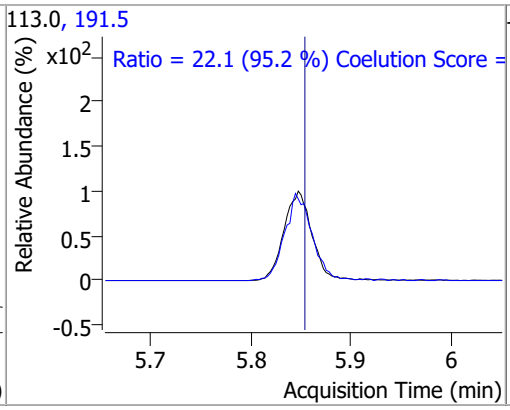
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

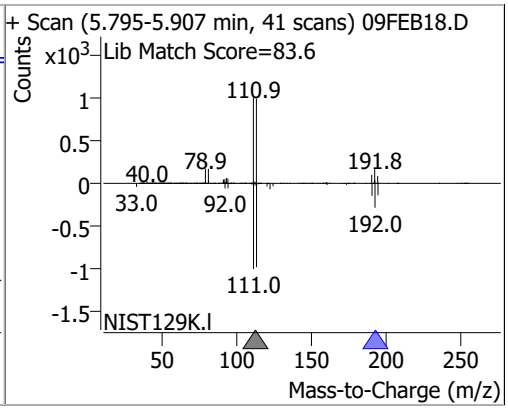




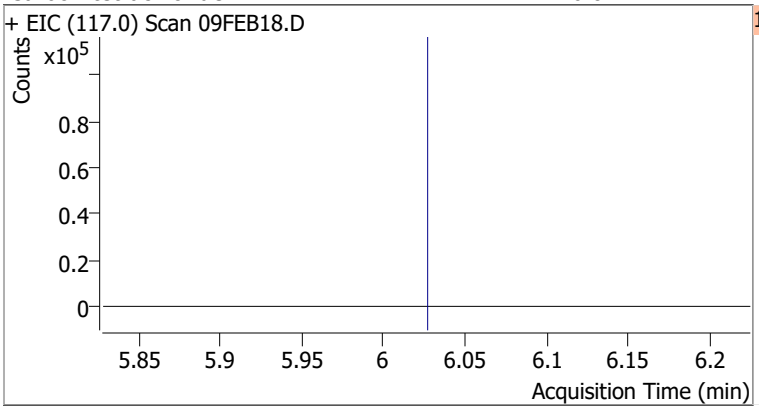
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	275.0042	5.85	0.00	200235	191.5	22.1	0.0	53.2

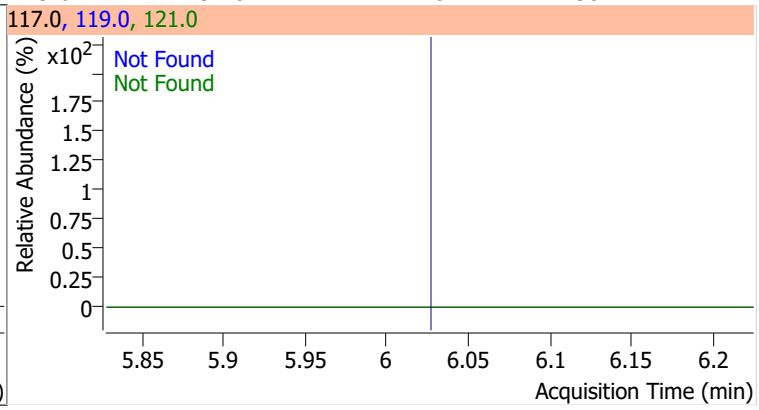




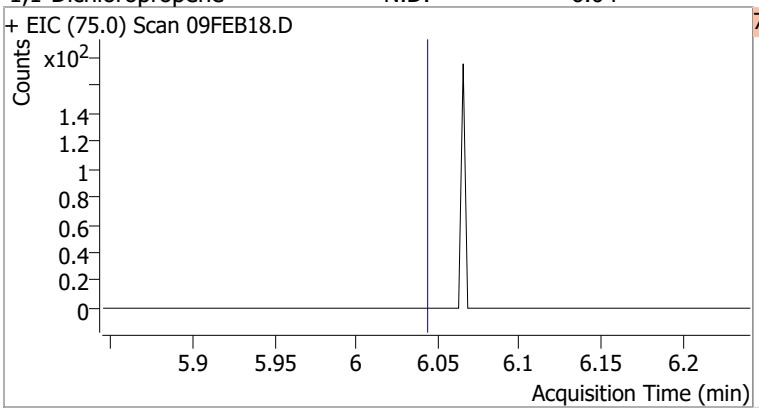


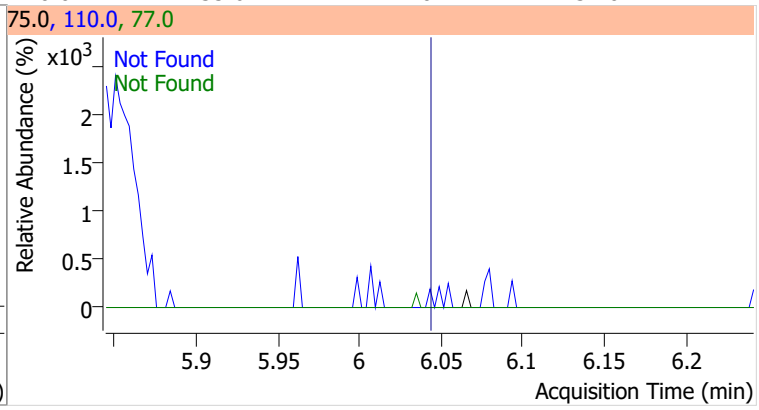
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7





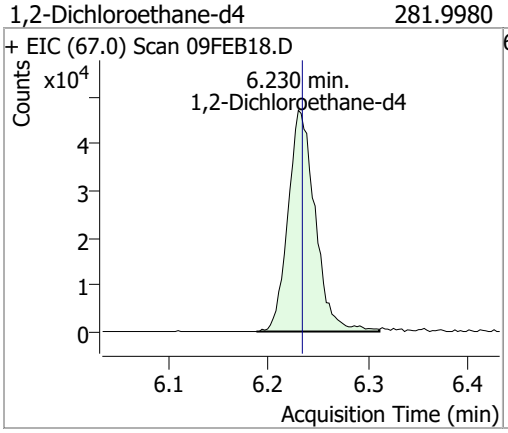
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

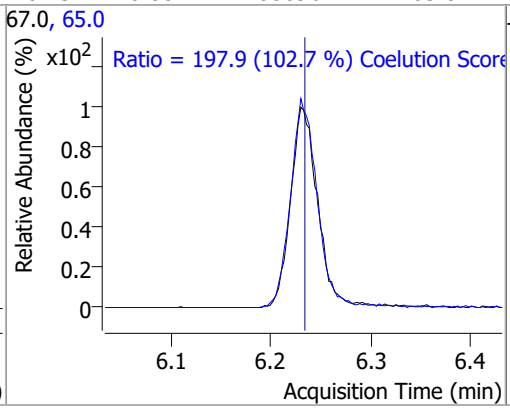


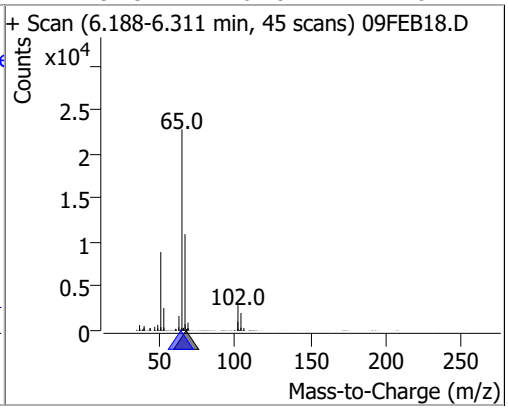


Quantitation Results Report (QT Reviewed)

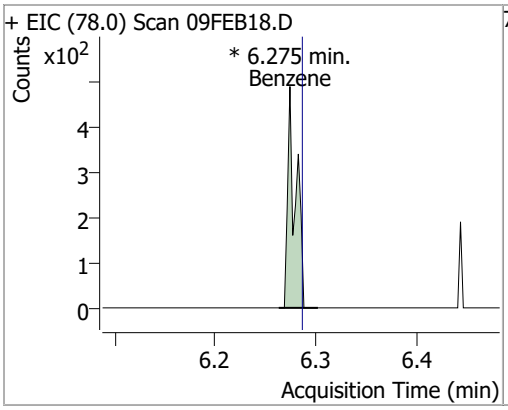
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	281.9980	6.23	0.00	88696	65.0	197.9	162.8	222.8

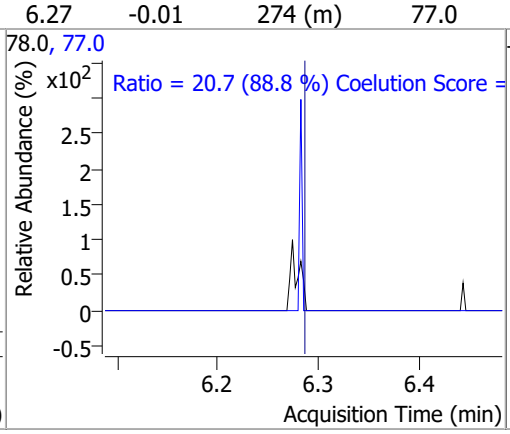


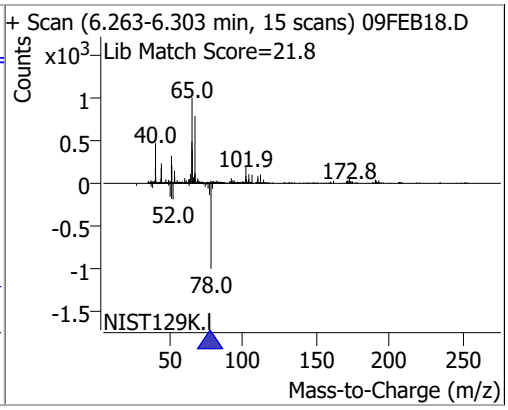




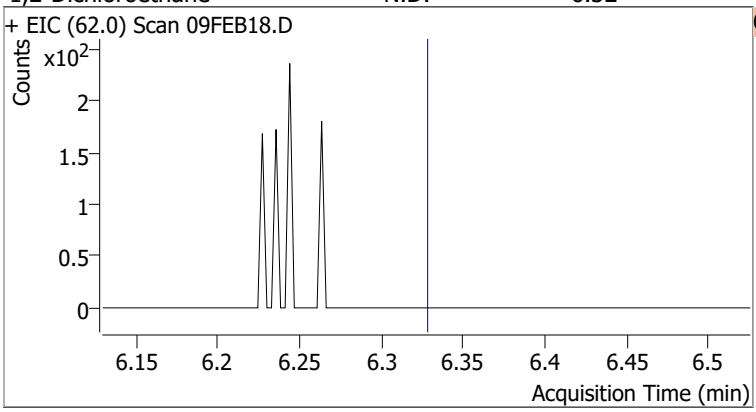
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	0.0914	6.27	-0.01	274 (m)	77.0	20.7	0.0	53.3

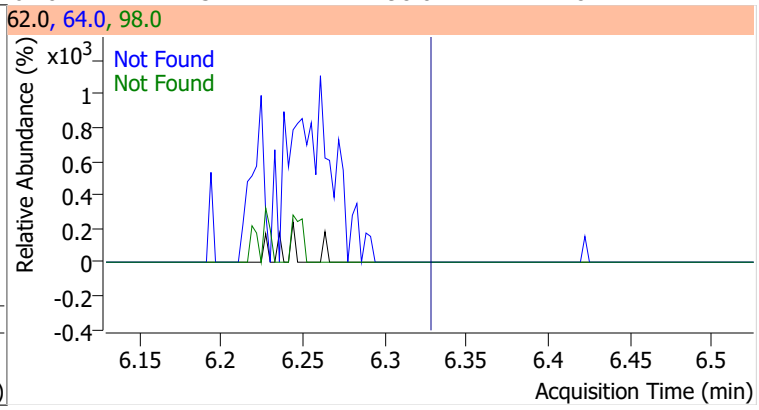




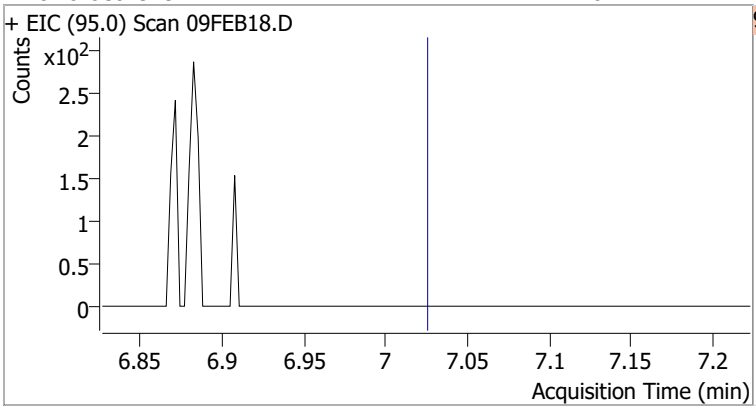


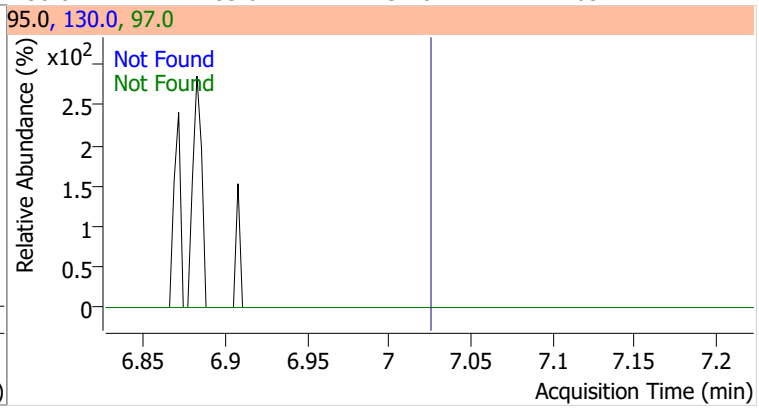
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



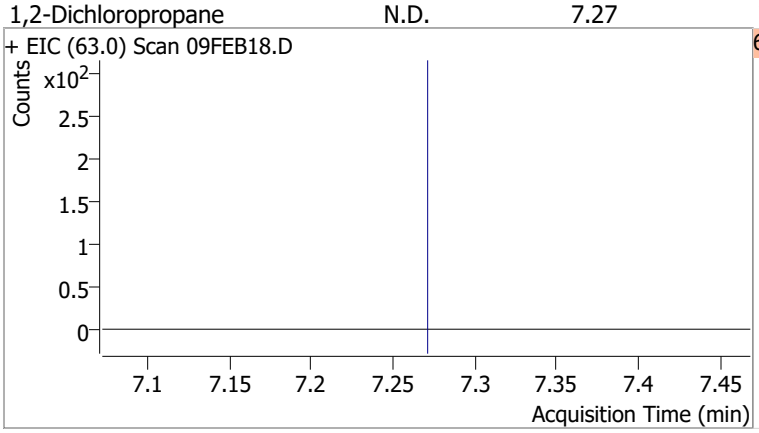


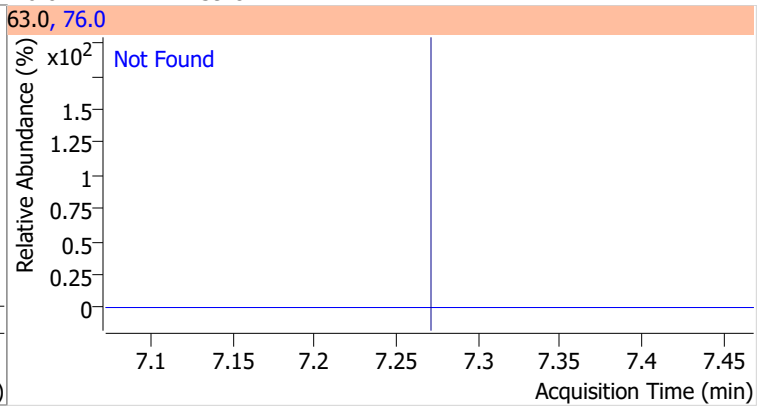
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



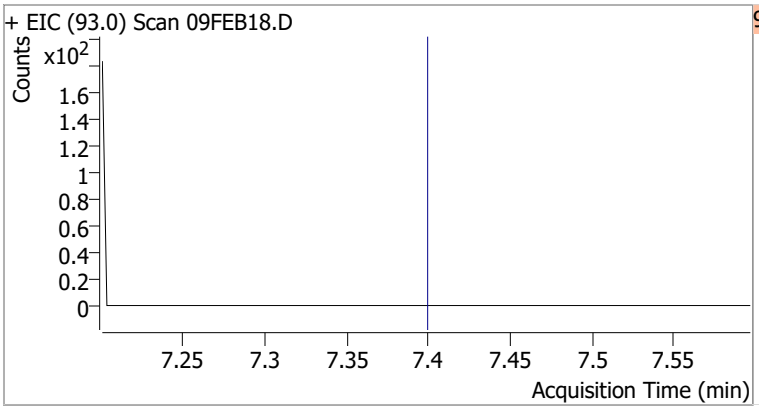


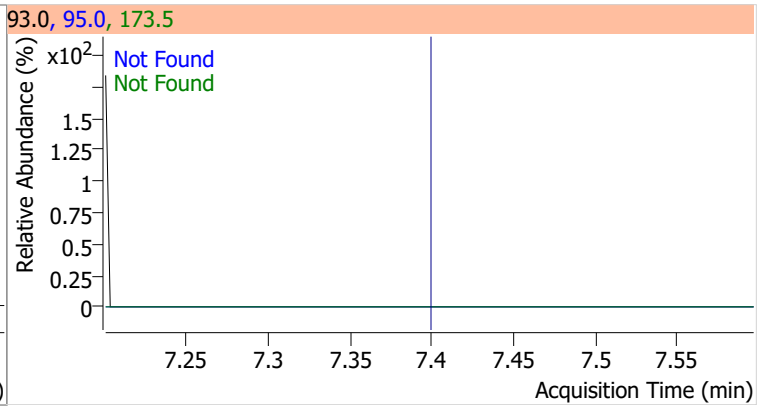
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



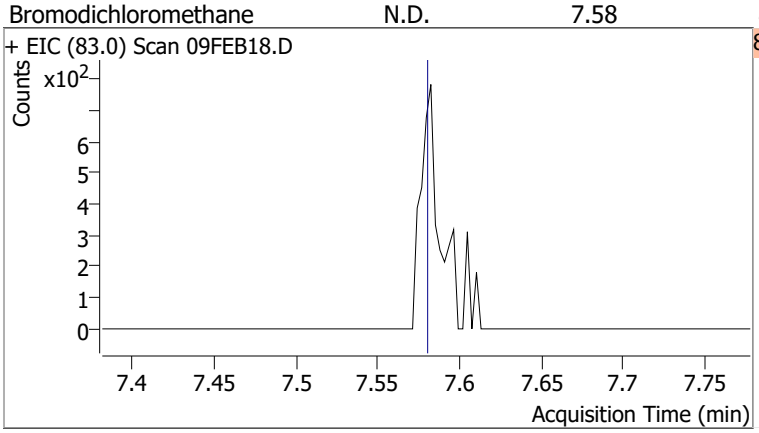


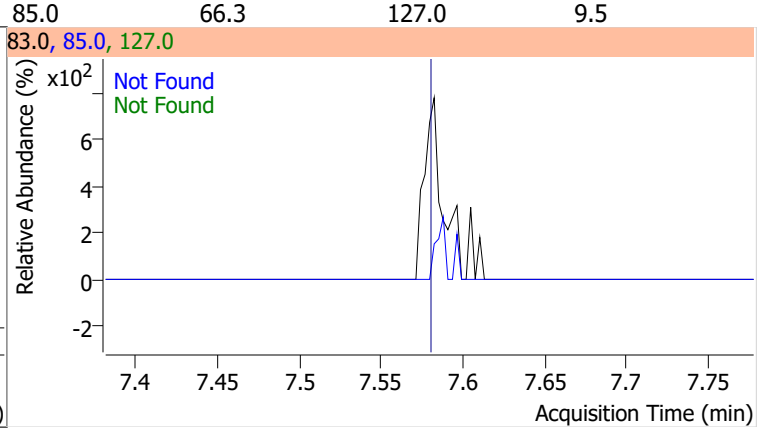
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



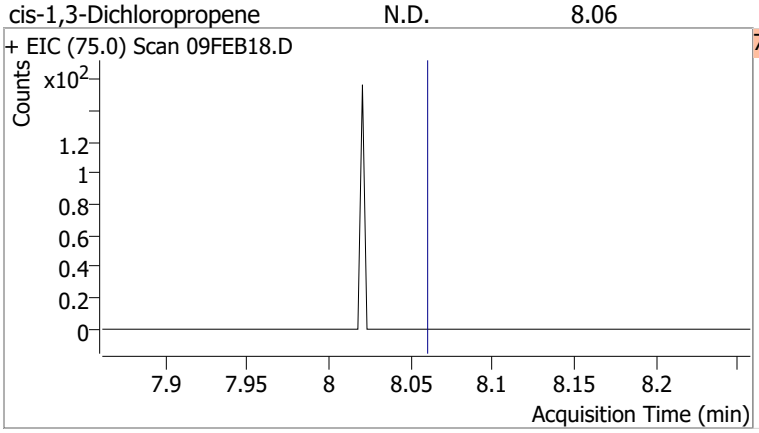


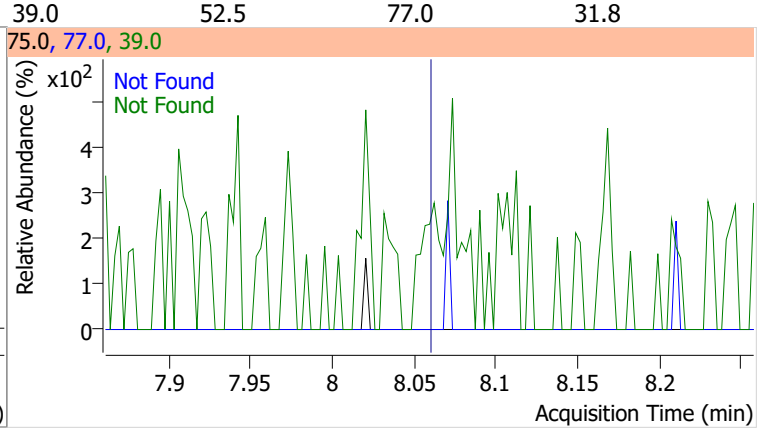
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



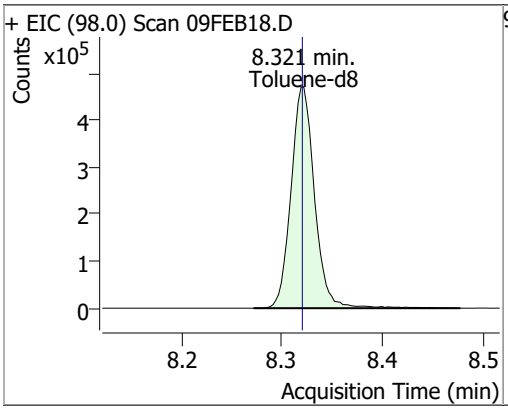


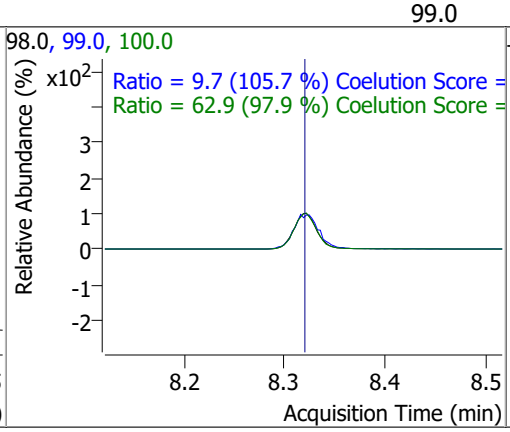
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

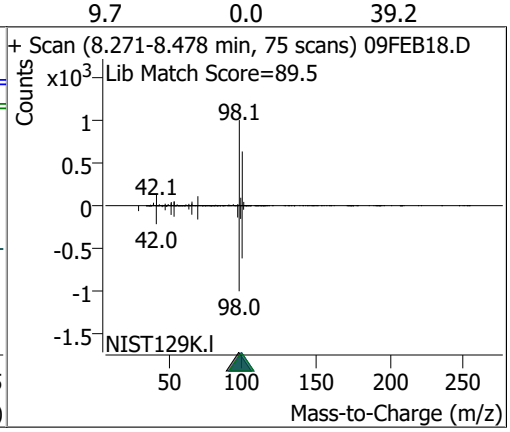




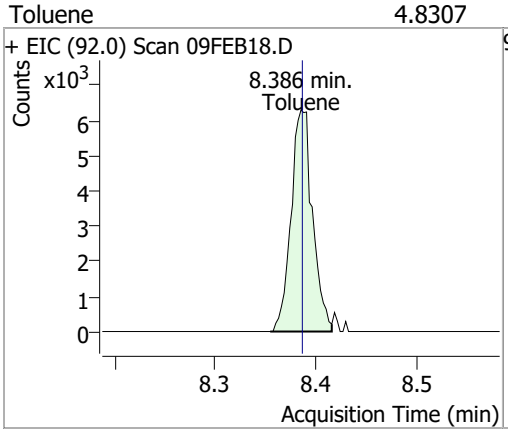
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	263.8213	8.32	0.00	767874	100.0	62.9	34.3	94.3
					99.0	9.7	0.0	39.2

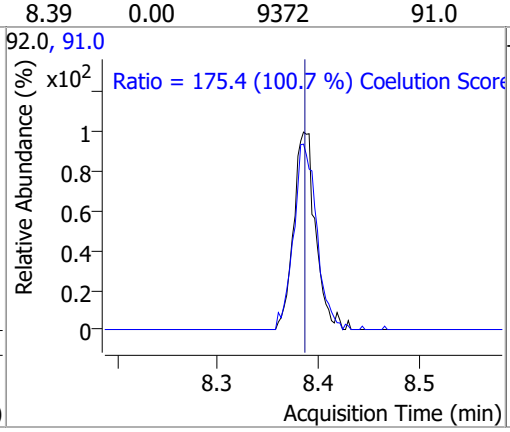


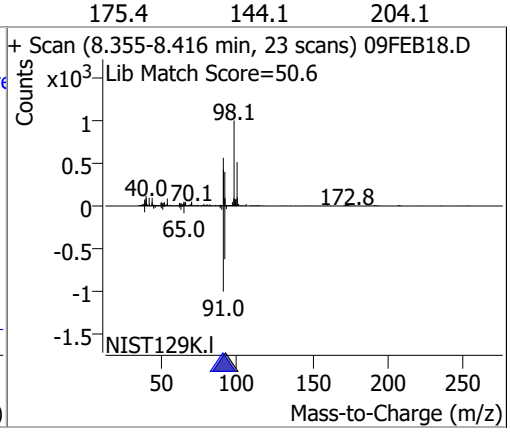




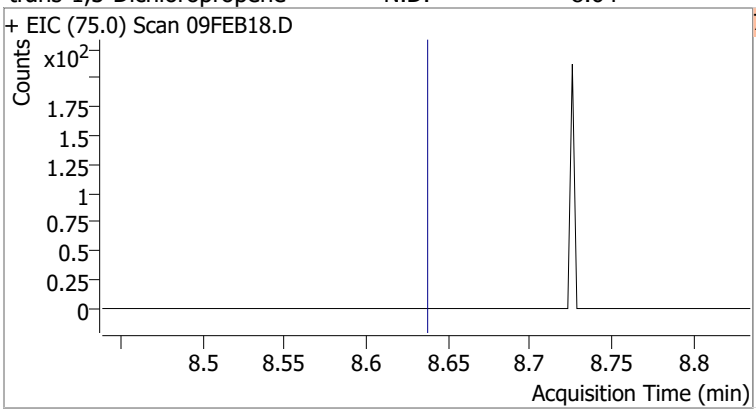
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	4.8307	8.39	0.00	9372	91.0	175.4	144.1	204.1

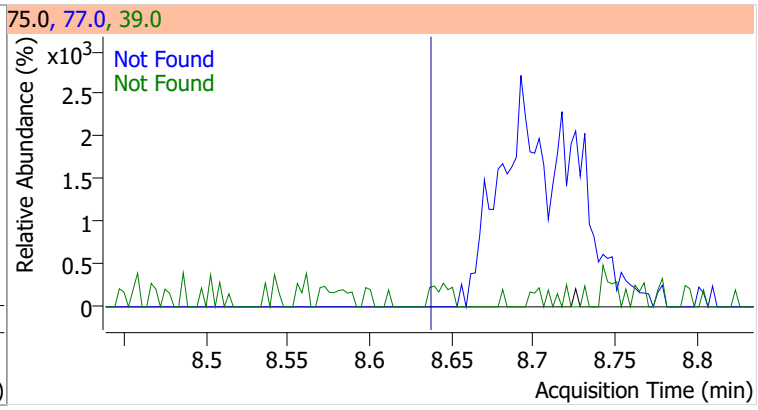




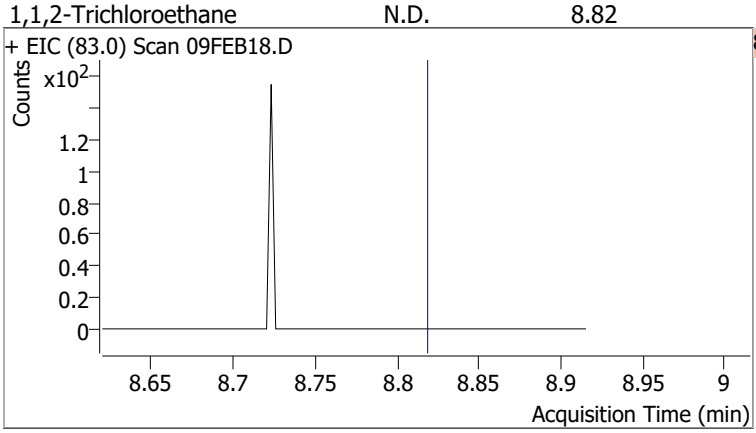


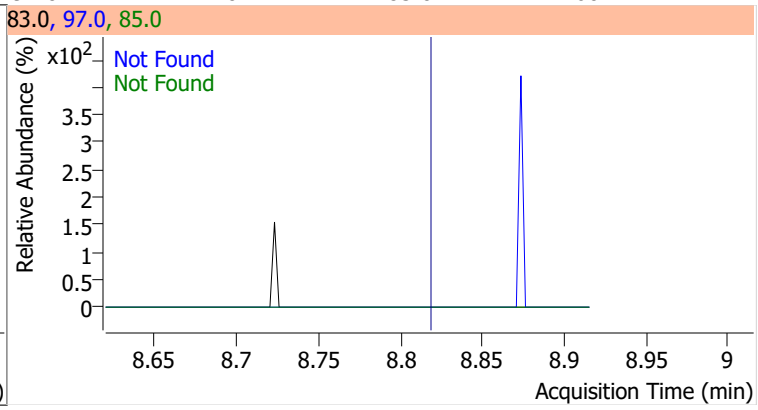
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



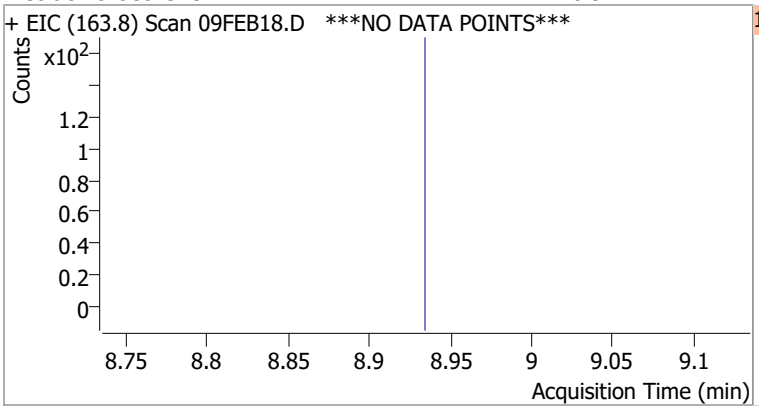


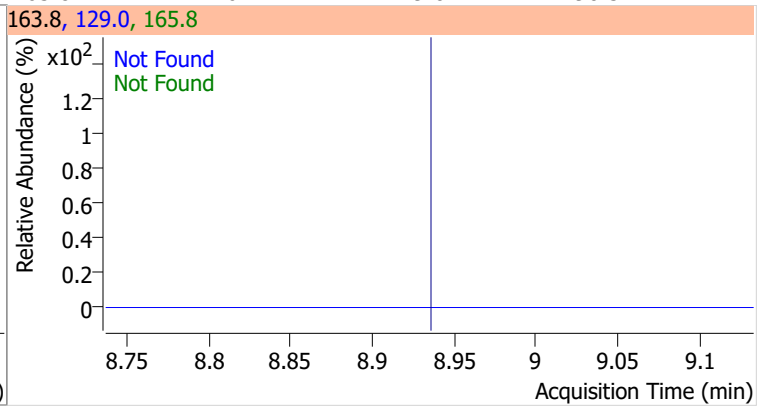
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



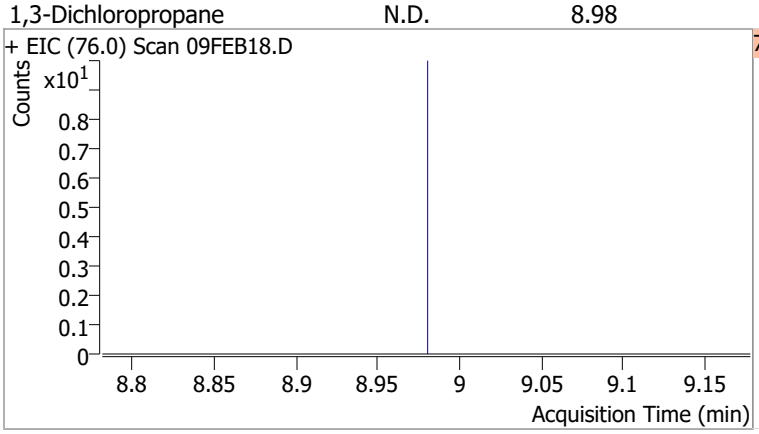


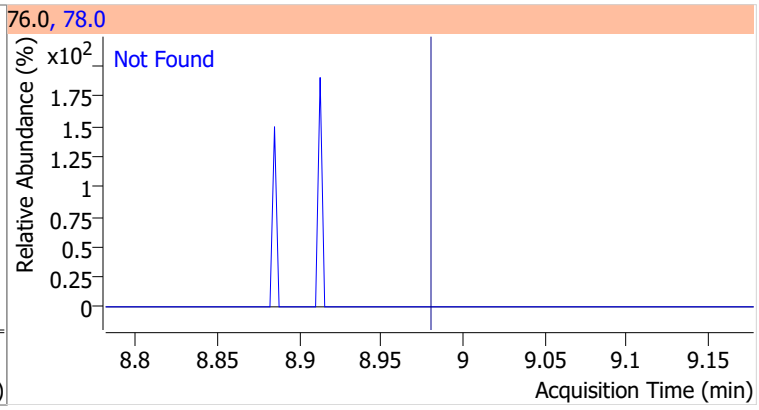
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



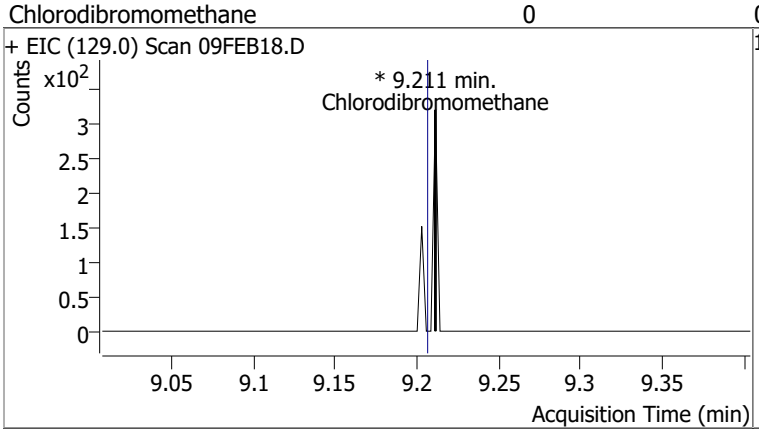


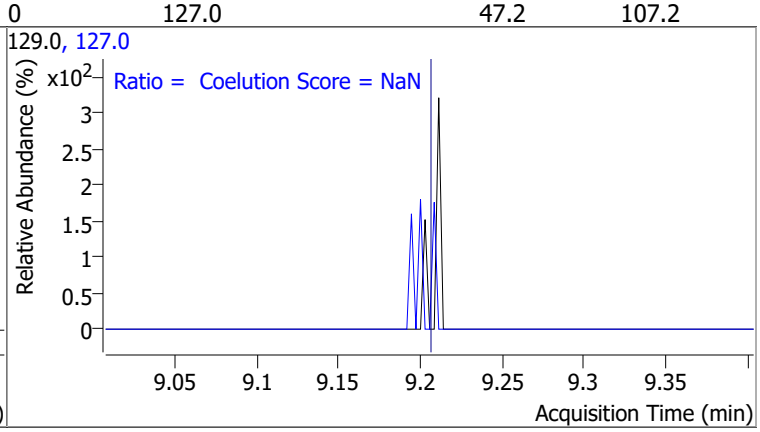
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



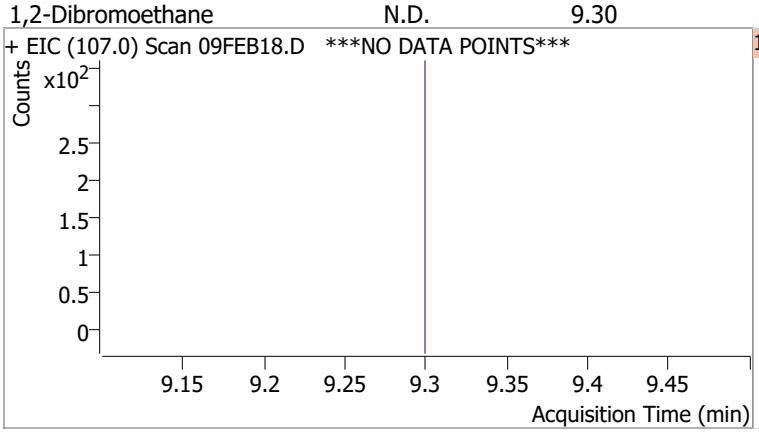


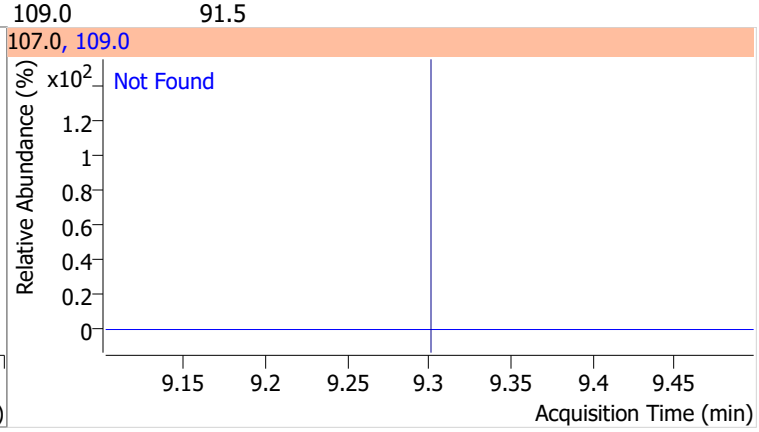
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane		0		0	127.0		47.2	107.2



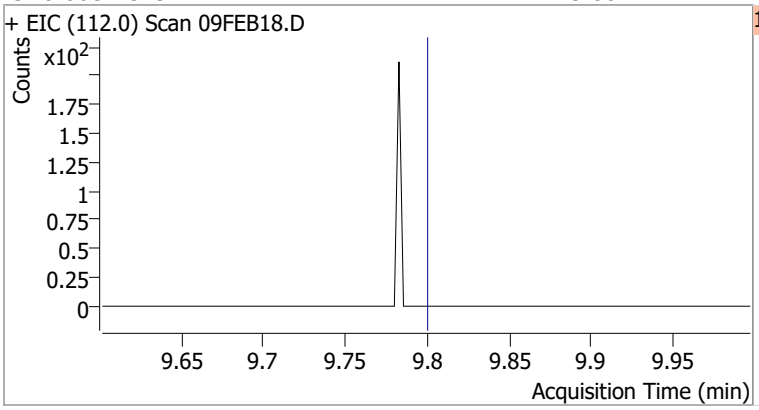


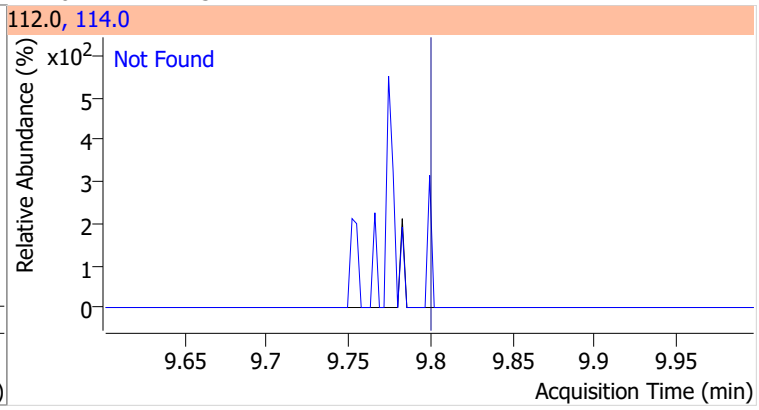
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



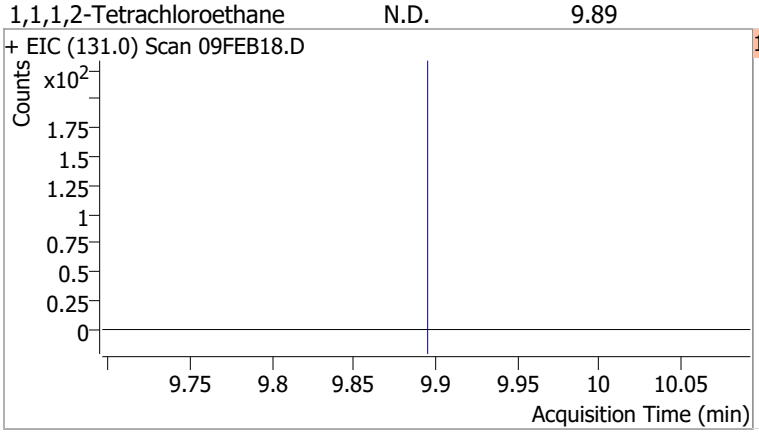


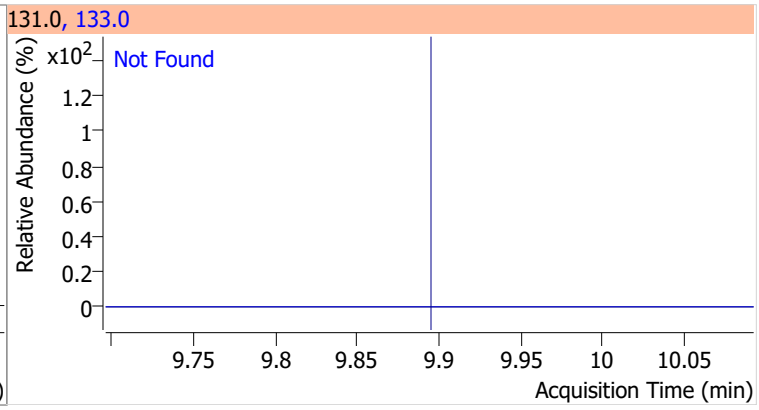
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



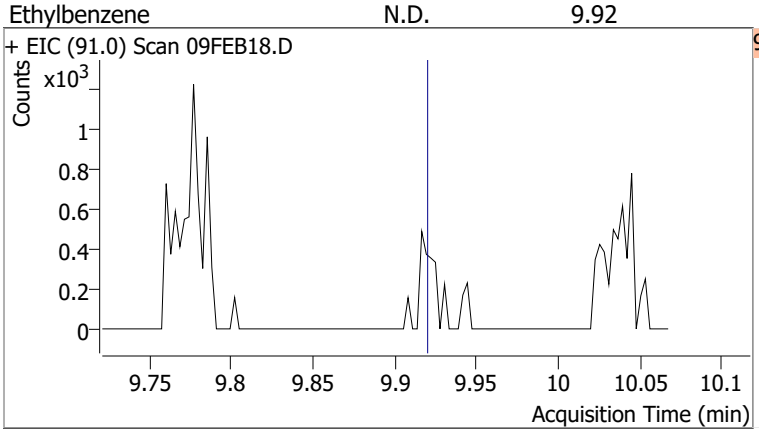


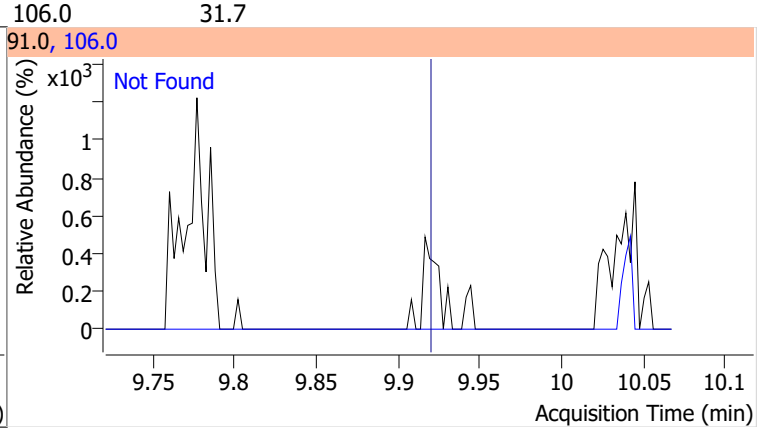
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



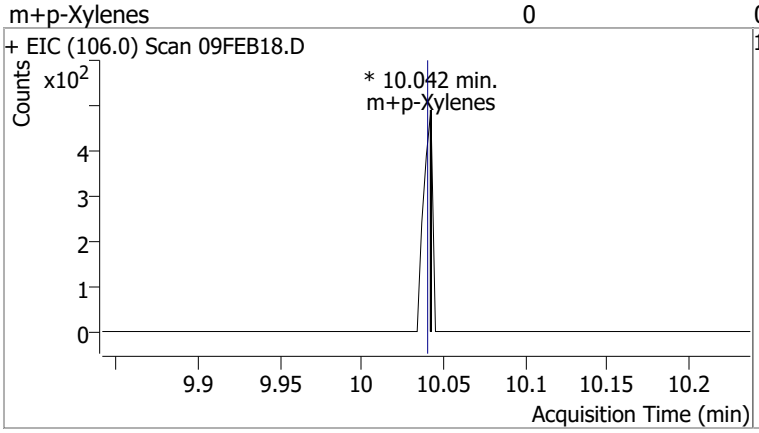


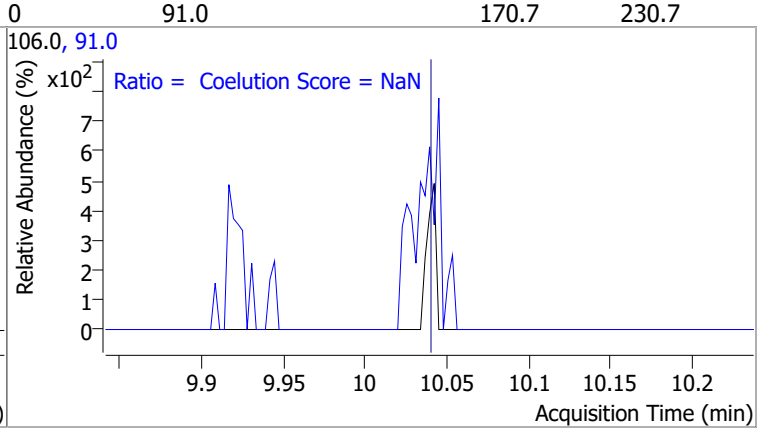
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



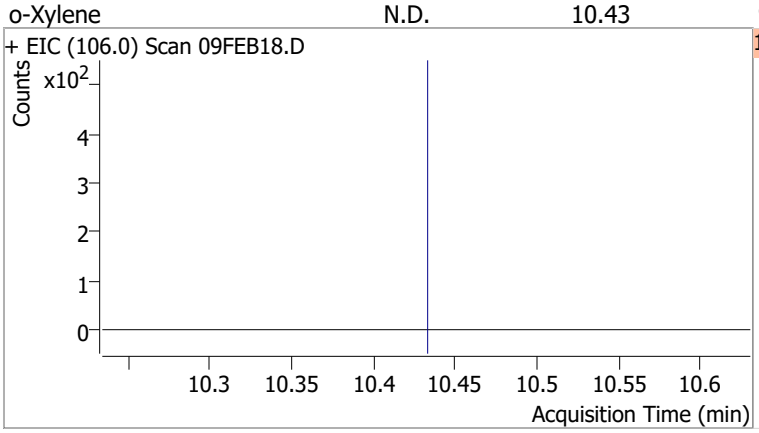


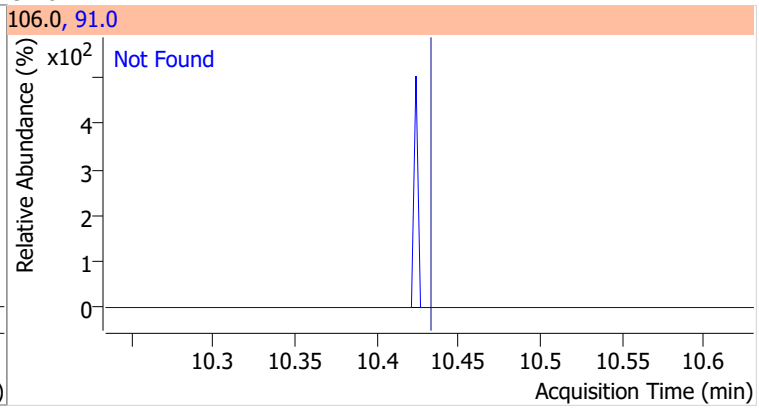
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes		0		0	91.0		170.7	230.7



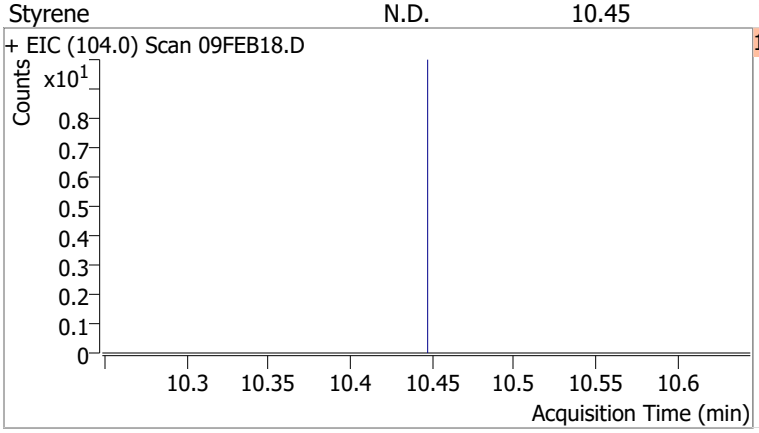


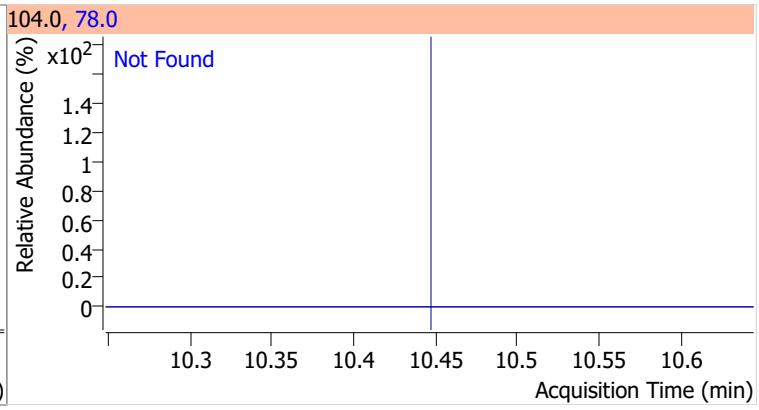
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



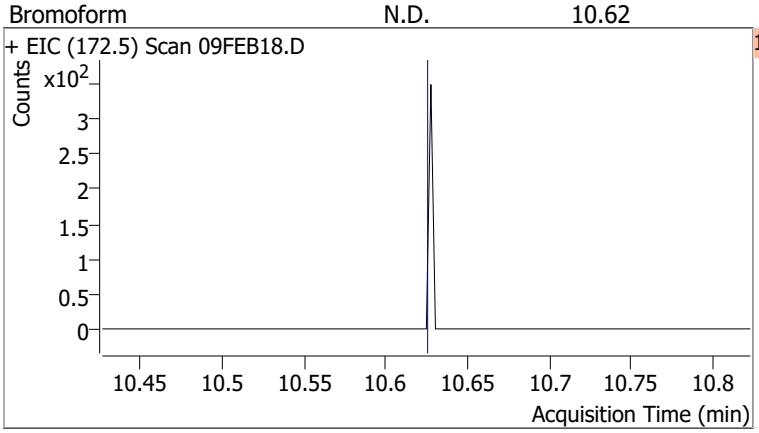


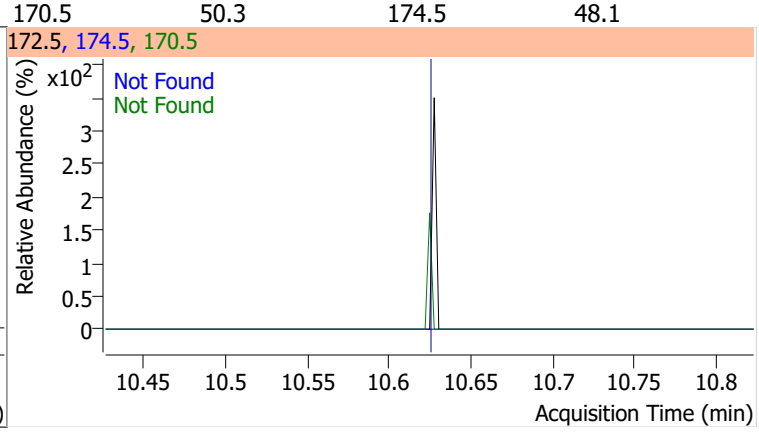
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



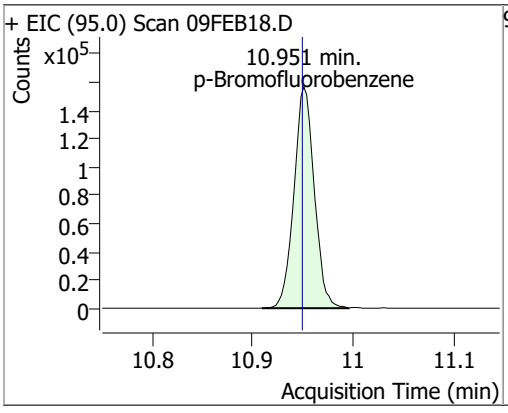


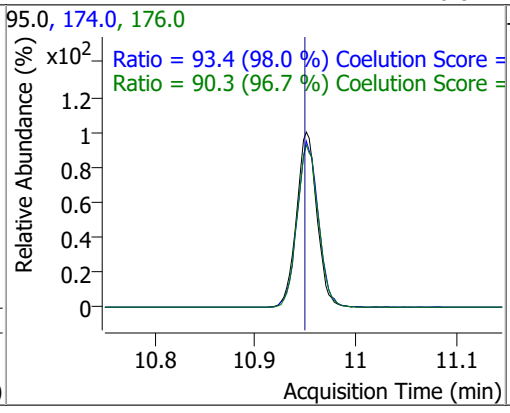
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

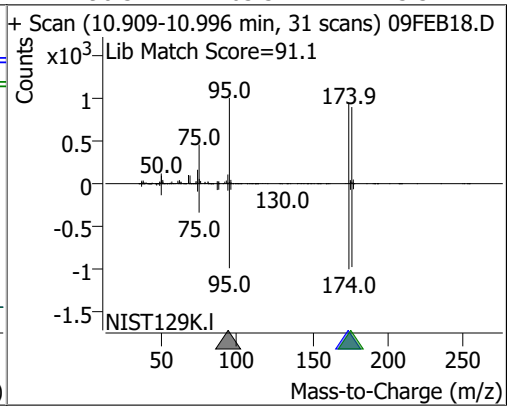




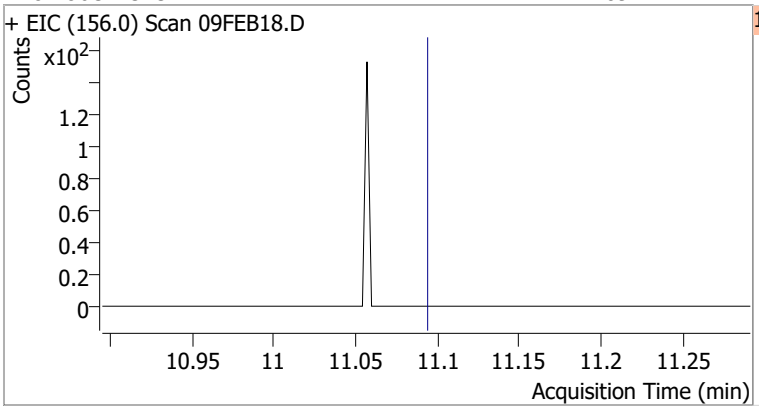
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	268.4374	10.95	0.00	220544	174.0	93.4	65.3	125.3
					176.0	90.3	63.3	123.3

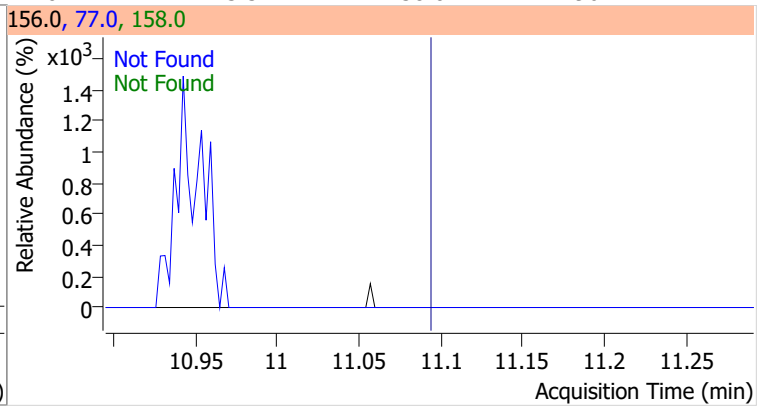




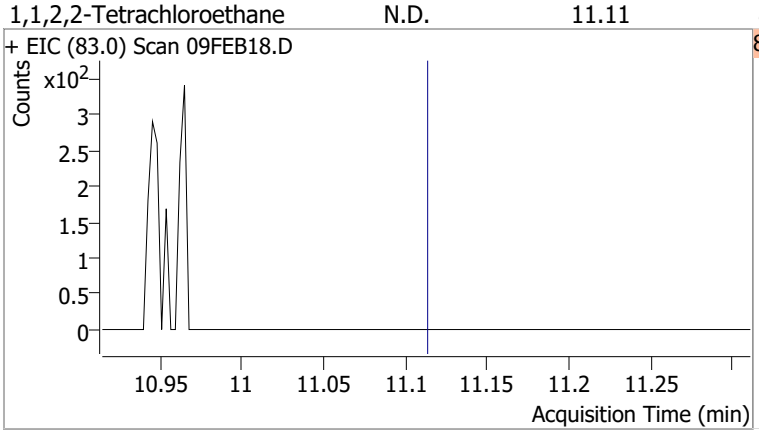


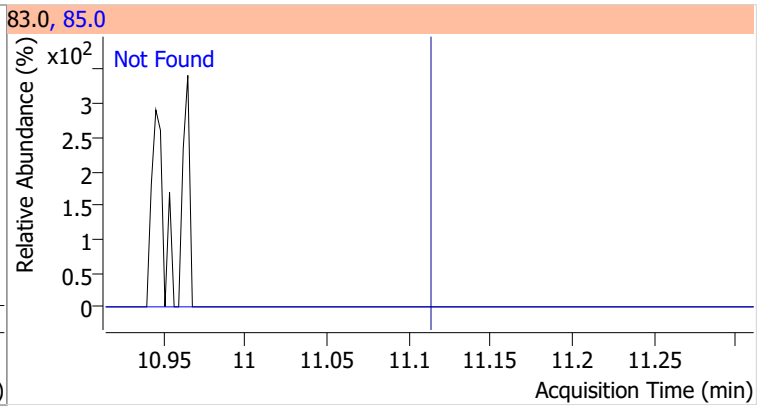
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



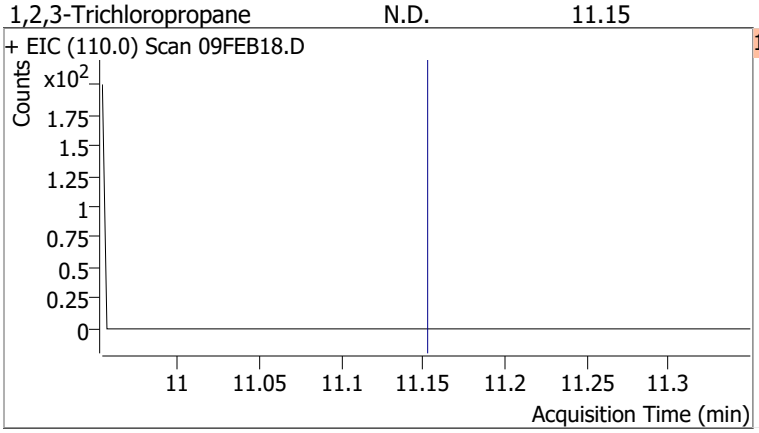


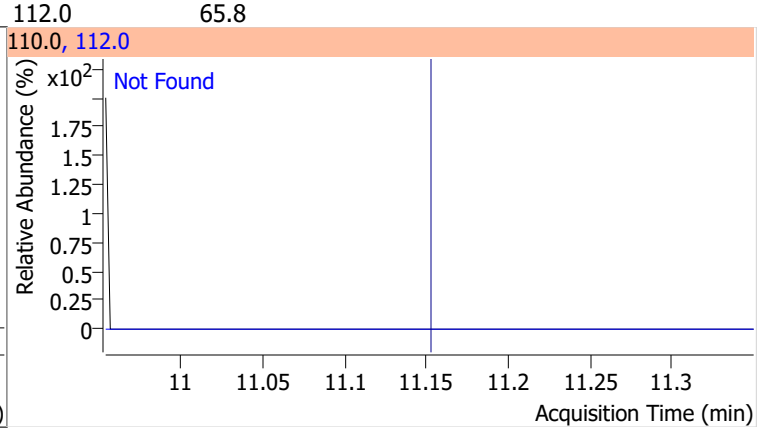
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



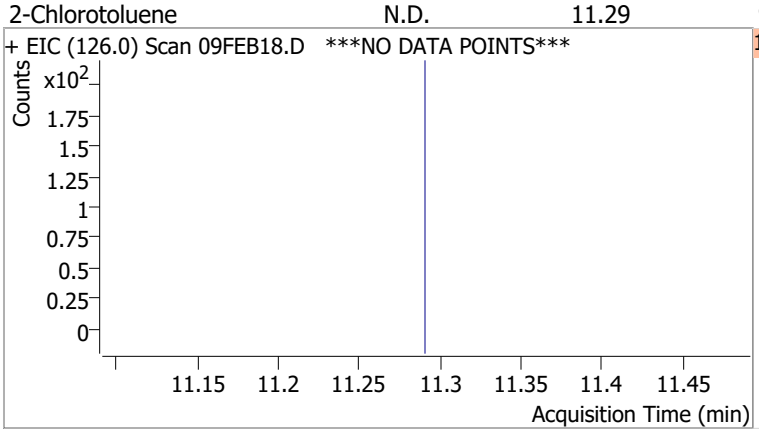


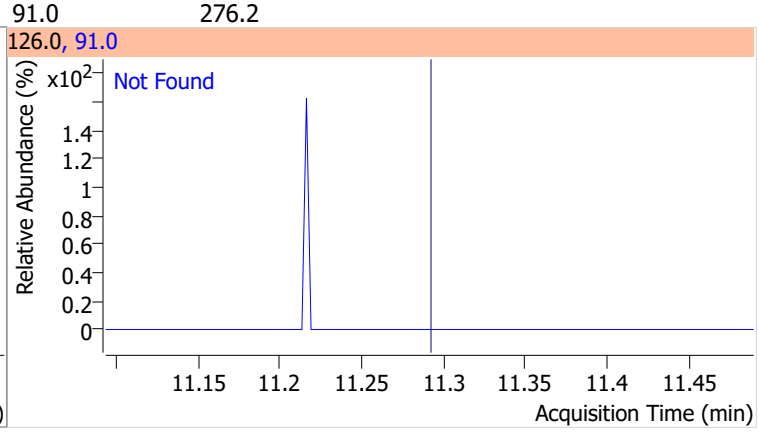
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



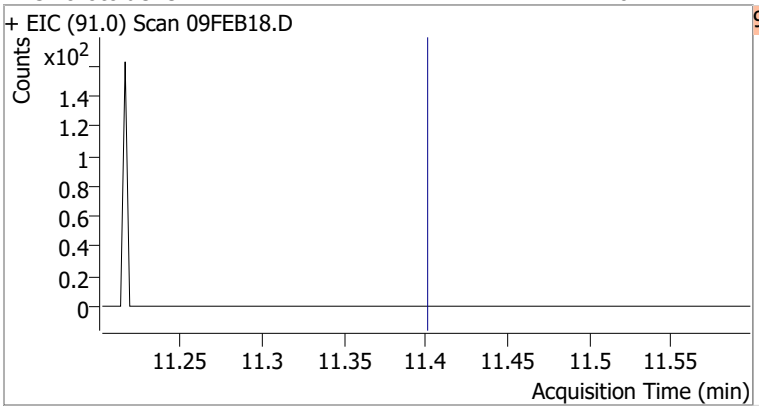


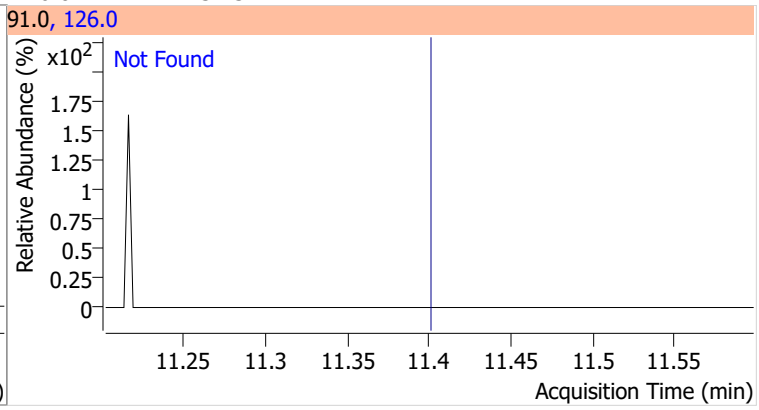
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



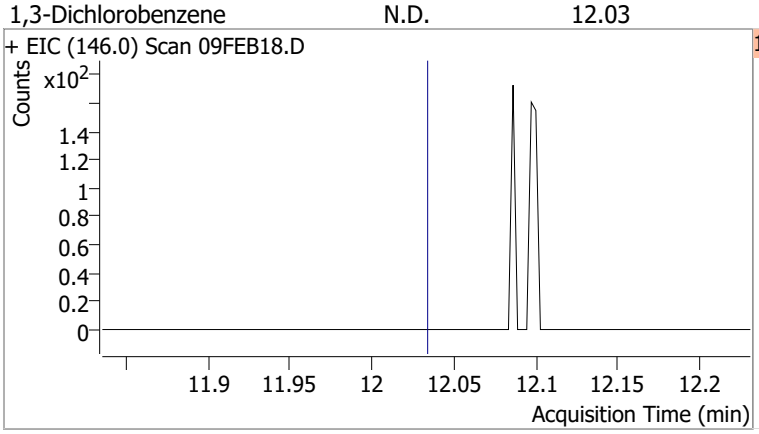


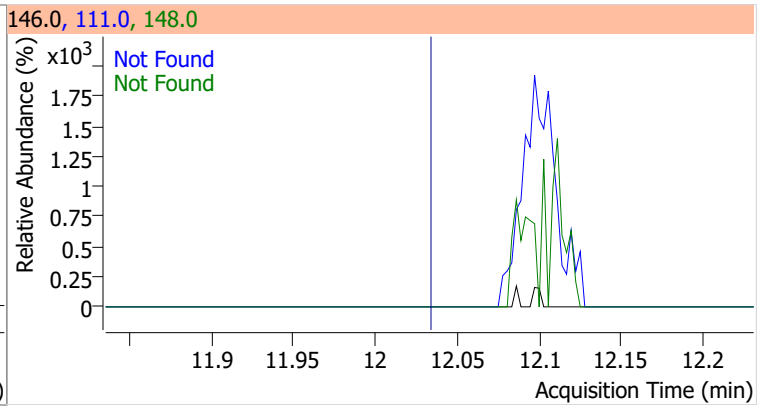
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



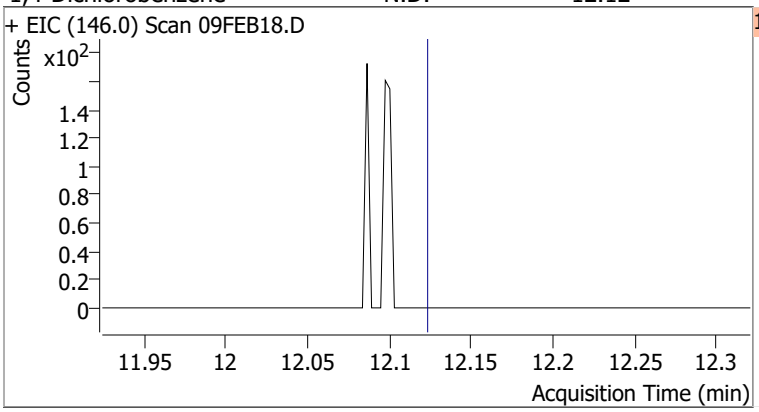


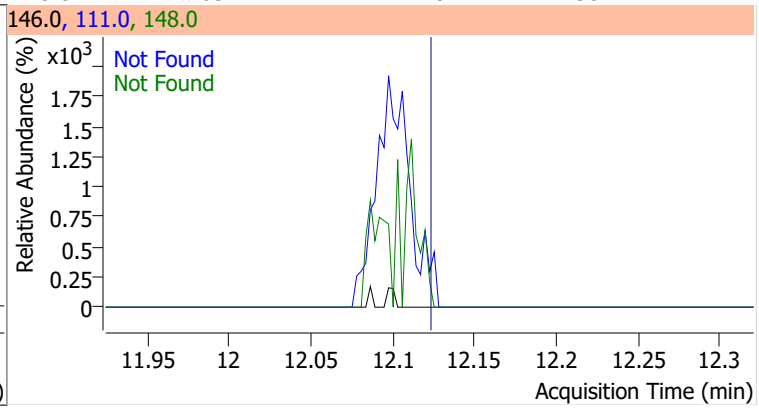
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



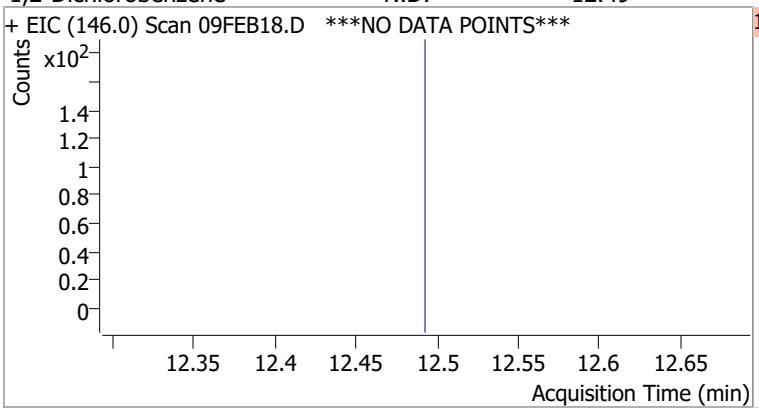


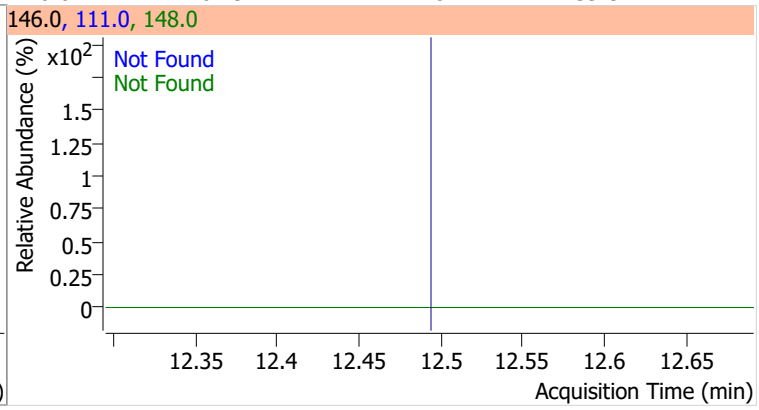
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





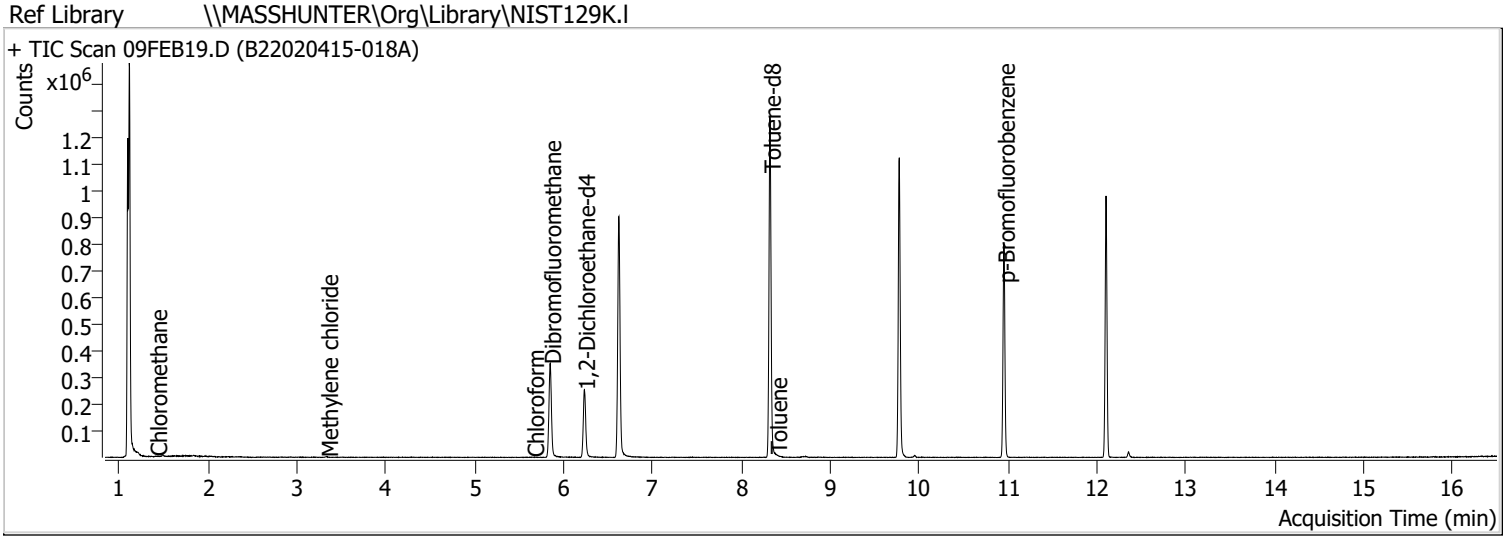
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB19.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 1:50:38 PM
Sample Name	B22020415-018A	Instrument	VOA5975C
Vial	19	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

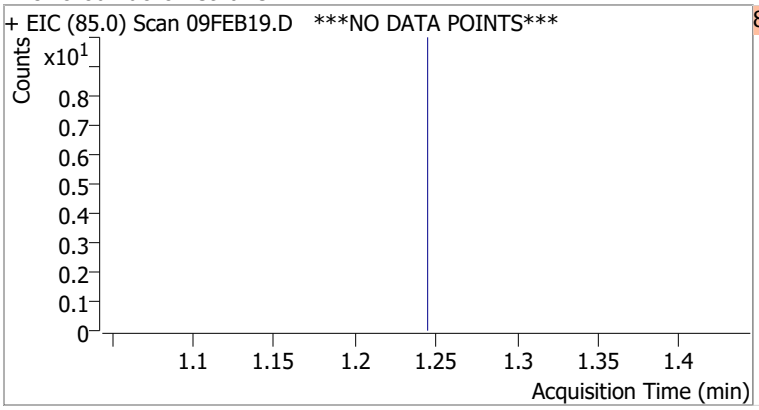


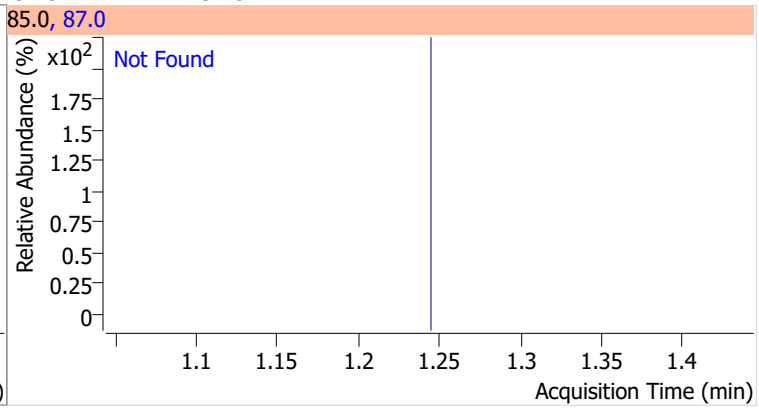
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	760619	250.0000	ng		0.000
M Chlorobenzene-d5	9.772	82.0	302109	250.0000	ng		-0.003
M 1,4-Dichlorobenzene-d4	12.100	152.0	230451	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.845	113.0	205982	279.5926	ng		-0.006
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 111.84%			
S 1,2-Dichloroethane-d4	6.230	67.0	91060	286.1322	ng		0.000
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 114.45%			
S Toluene-d8	8.319	98.0	777650	263.8459	ng		0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 105.54%			
S p-Bromofluorobenzene	10.951	95.0	221590	260.4249	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 104.17%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	1.414	50.0	906	0.7526	ng	m	87
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.338	49.0	1468	1.3199	ng	m	84
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	5.656	83.0	562	0.3806	ng	m	95

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	8.388	92.0	1048	0.5332	ng	m	95
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	10.037	106.0	0		ng	md	1
T o-Xylene	0.000		0	N.D.			
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

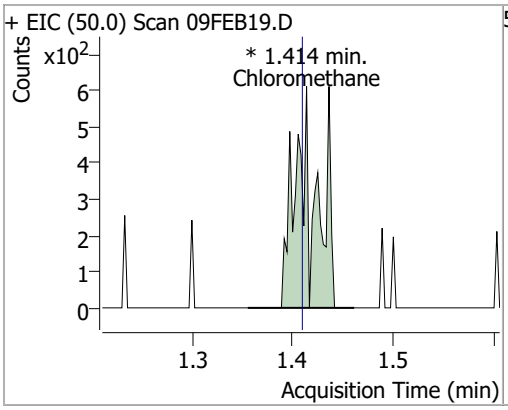
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

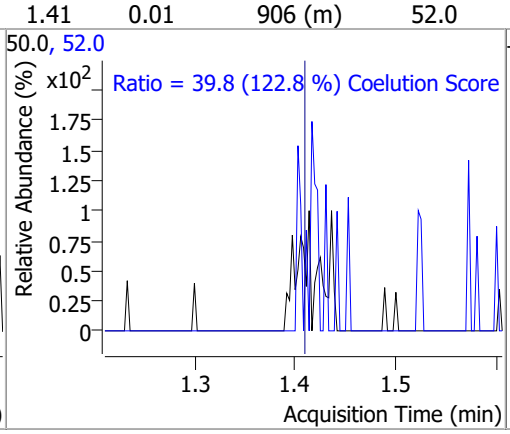
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8

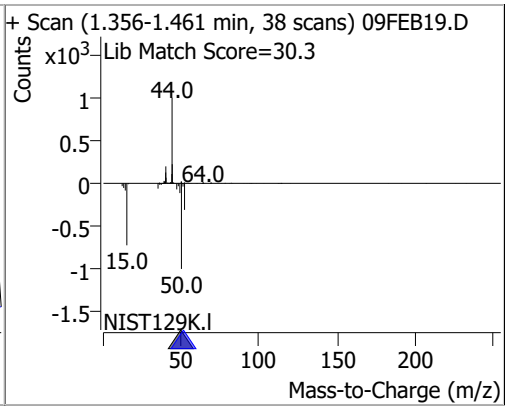




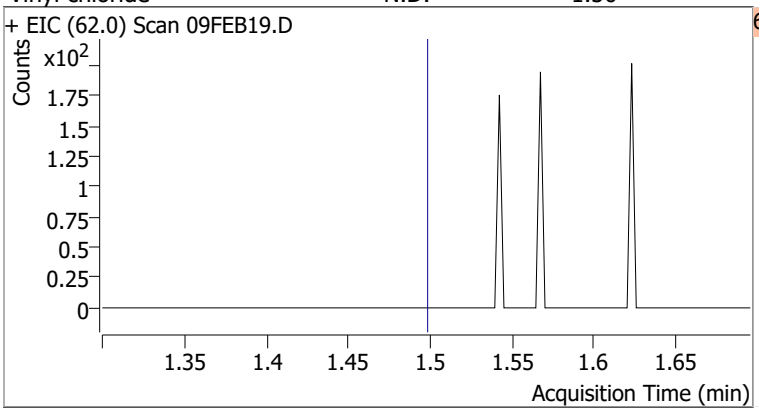
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	0.7526	1.41	0.01	906 (m)	52.0	39.8	2.4	62.4

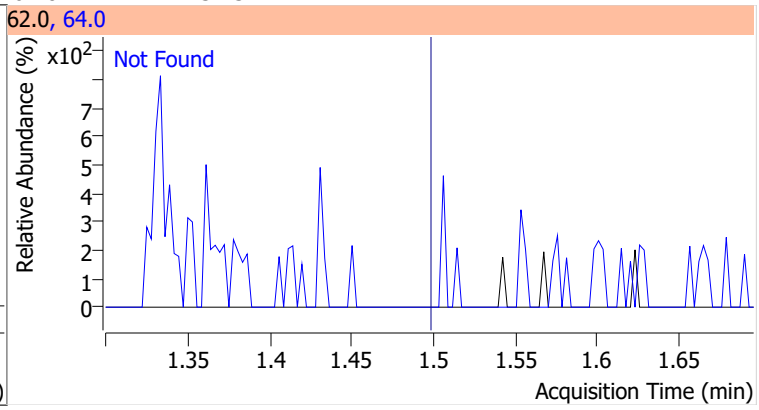




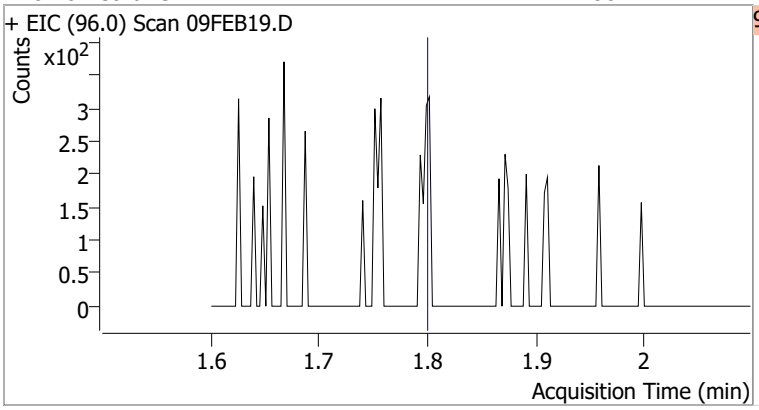


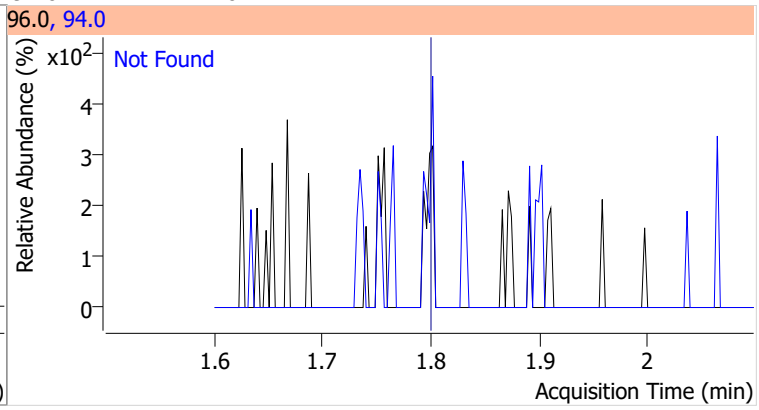
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



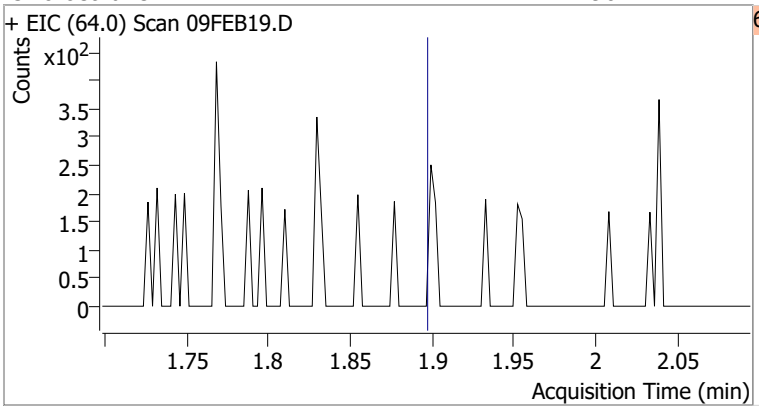


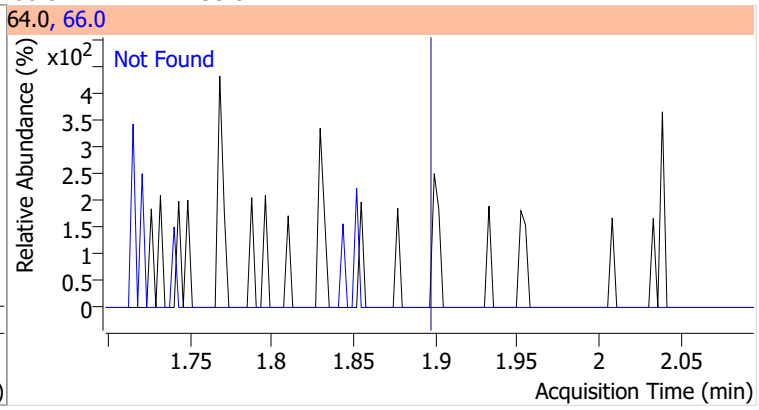
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



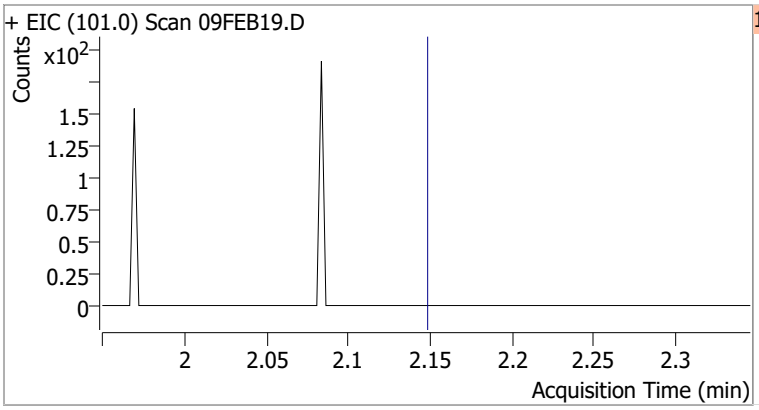


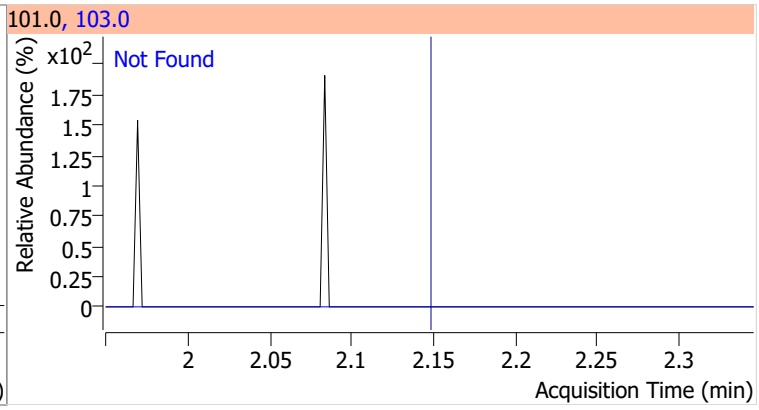
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



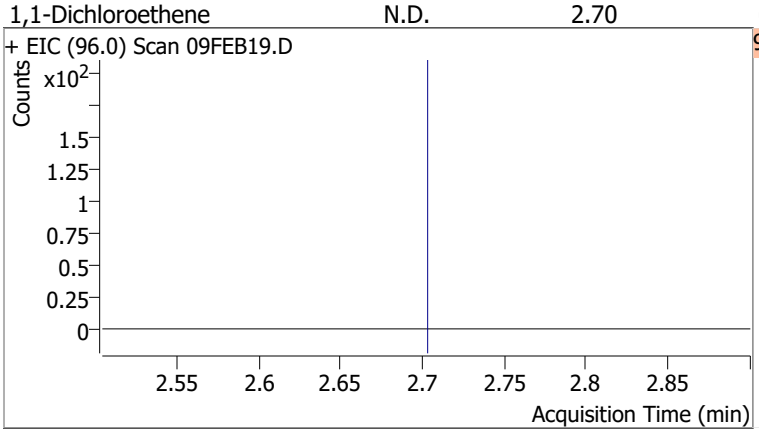


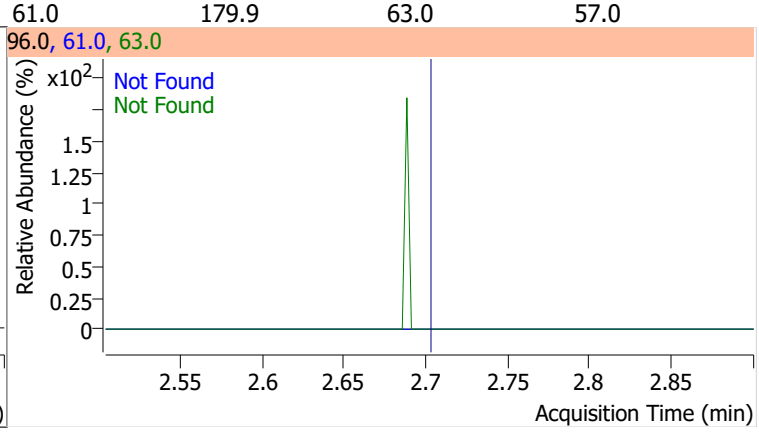
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



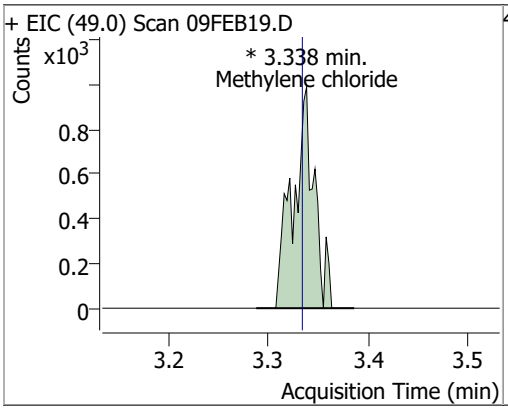


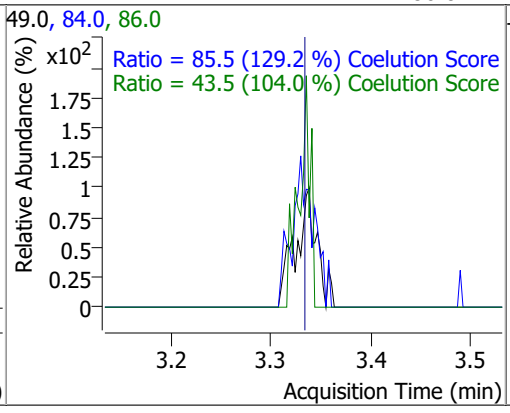
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

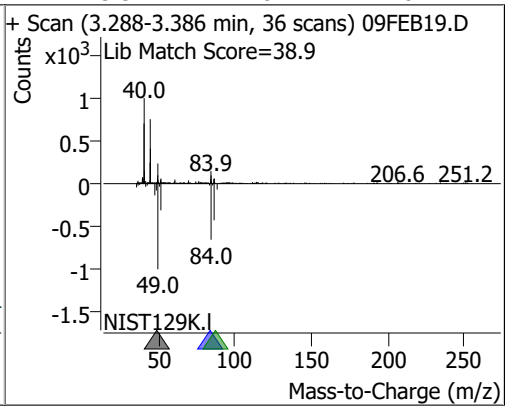




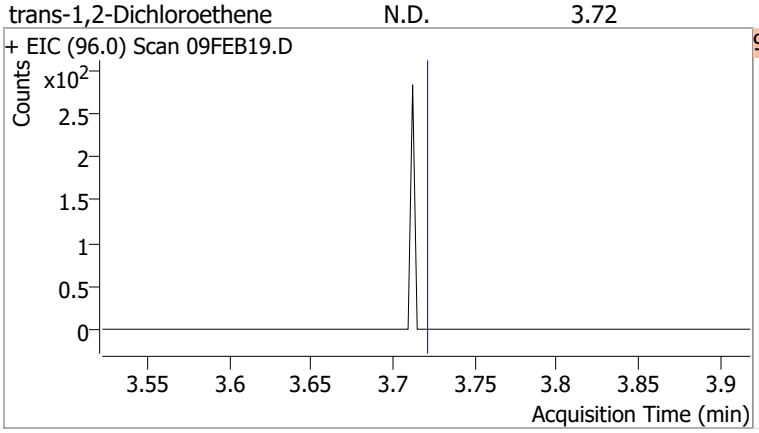
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	1.3199	3.34	0.01	1468 (m)	84.0	85.5	36.1	96.1
					86.0	43.5	11.8	71.8

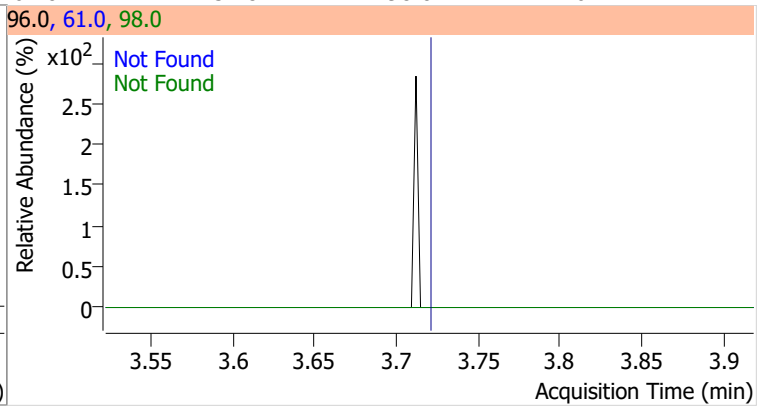




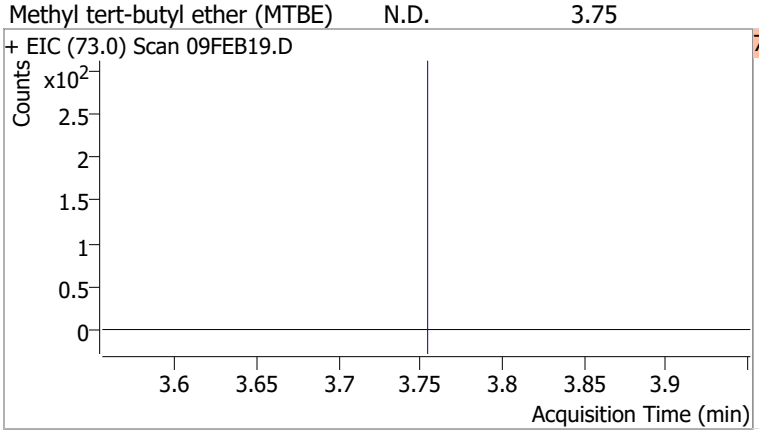


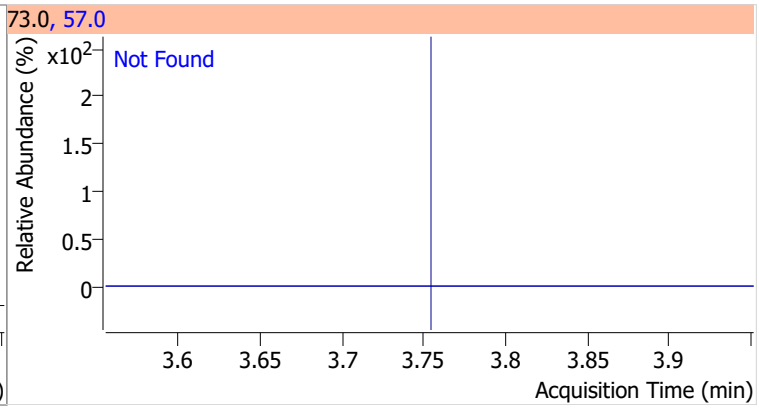
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



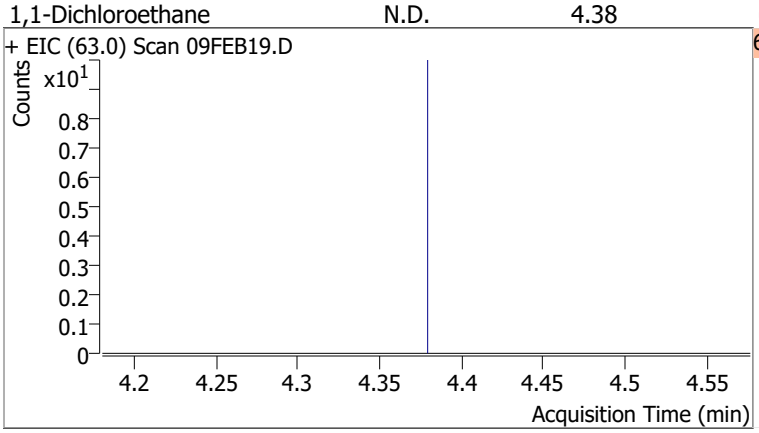


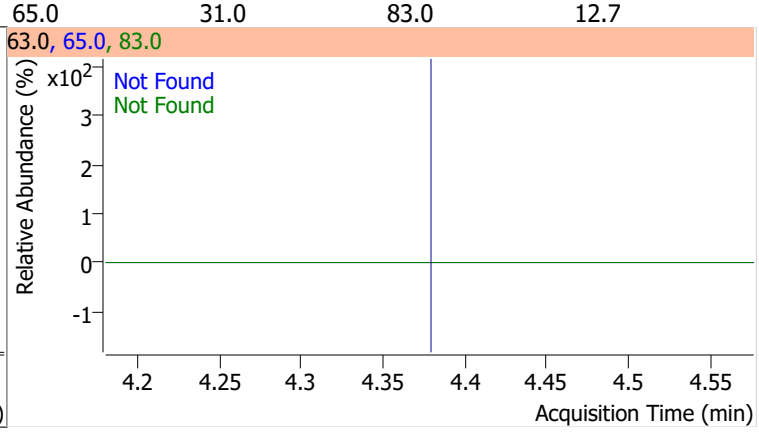
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



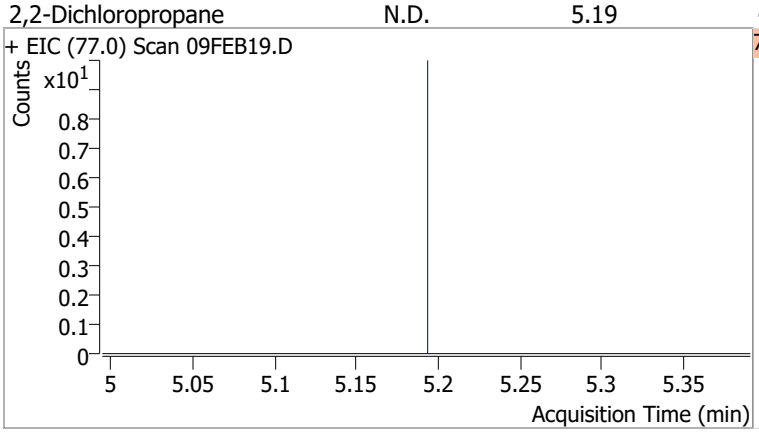


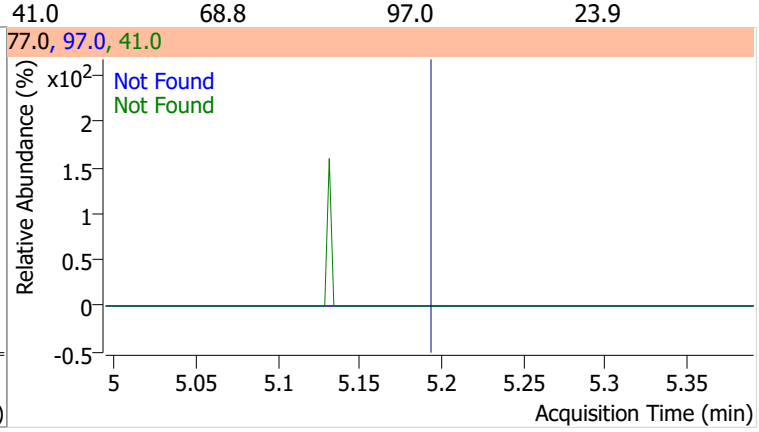
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



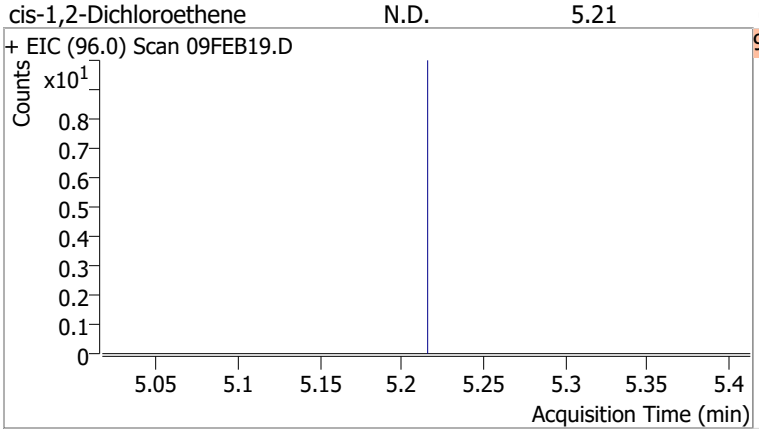


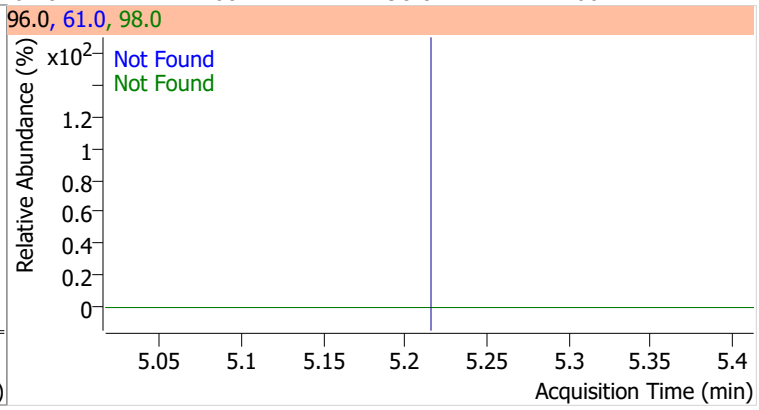
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



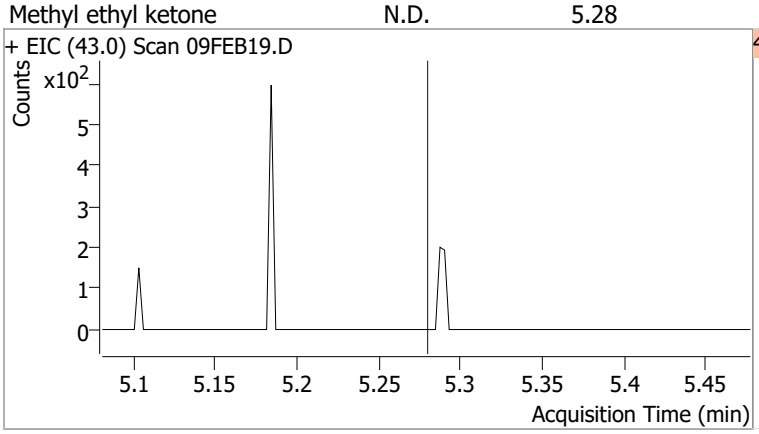


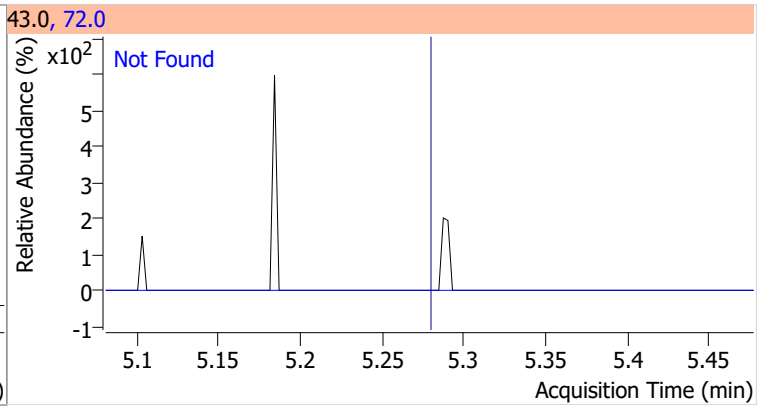
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



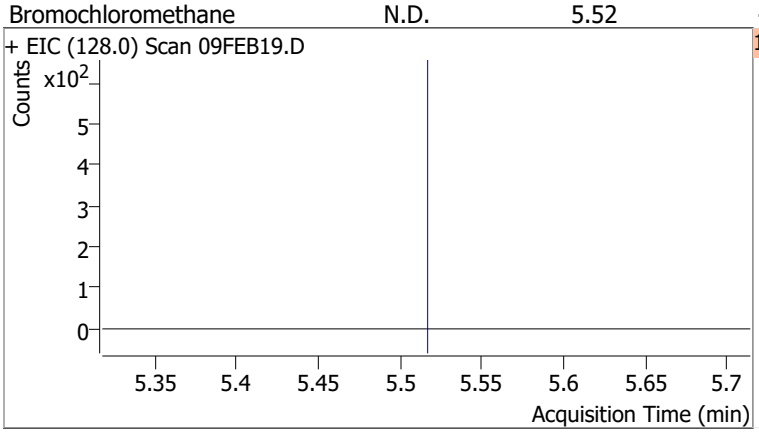


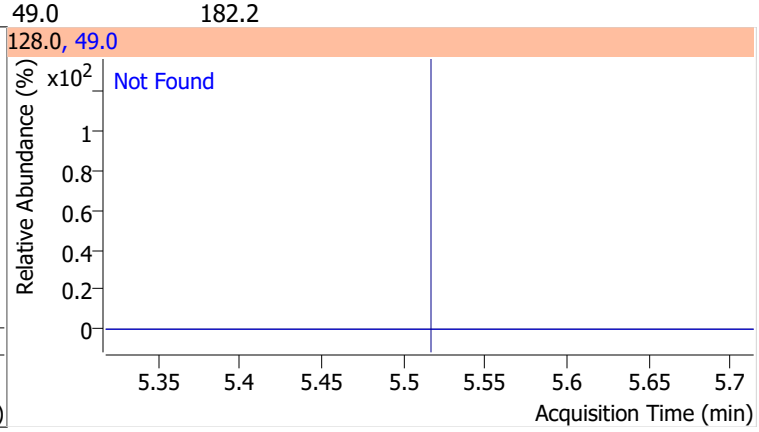
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



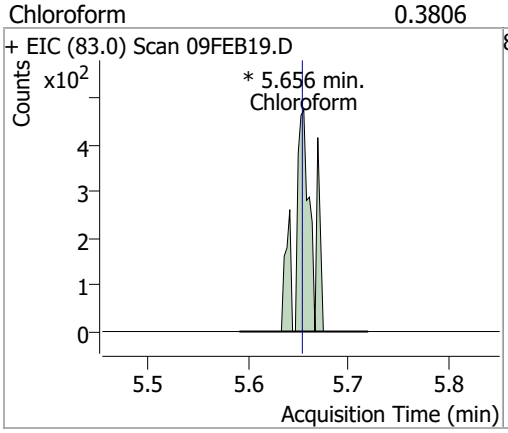


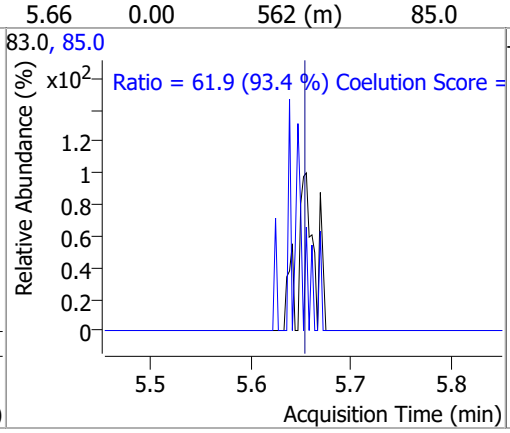
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2

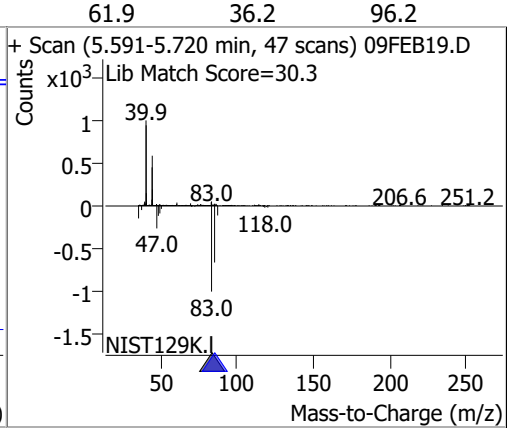




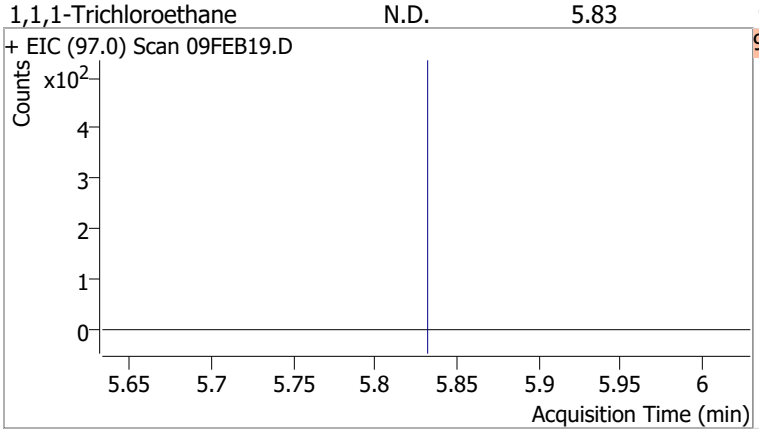
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	0.3806	5.66	0.00	562 (m)	85.0	61.9	36.2	96.2

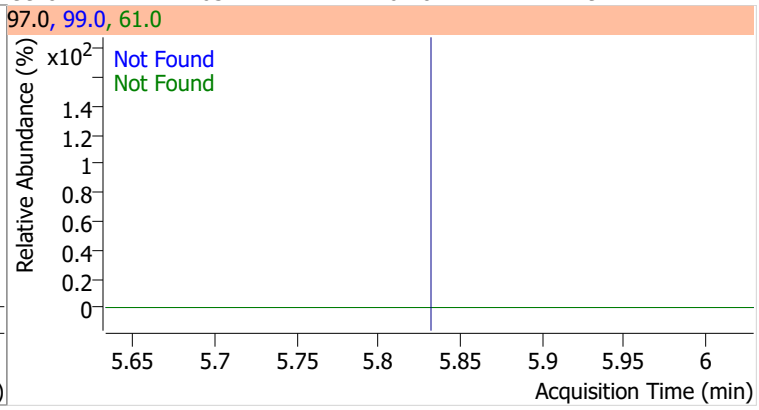




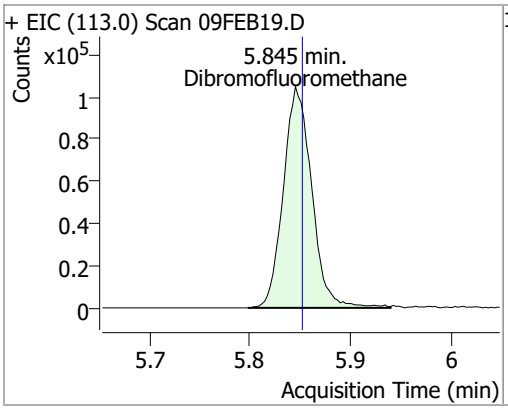


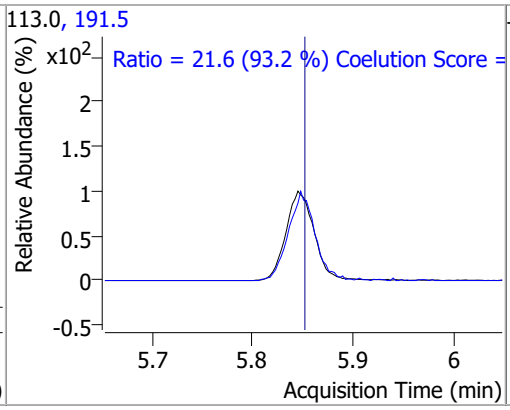
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

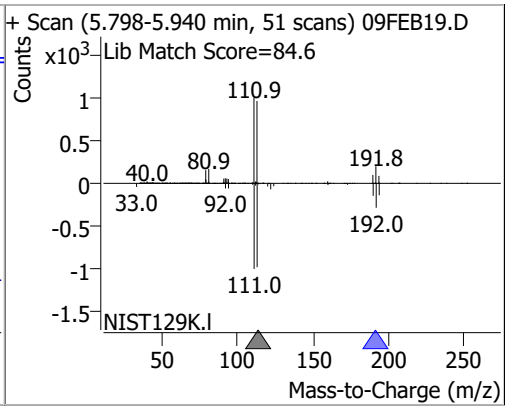




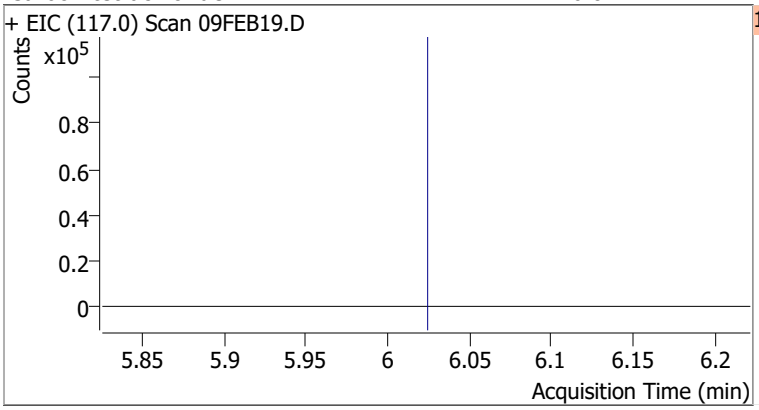
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	279.5926	5.85	-0.01	205982	191.5	21.6	0.0	53.2

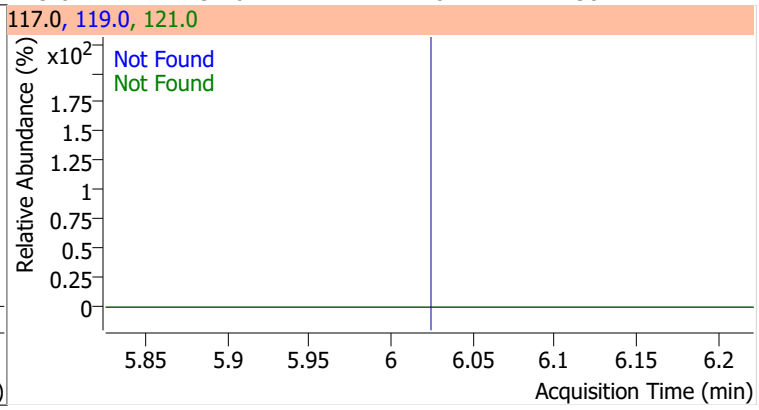




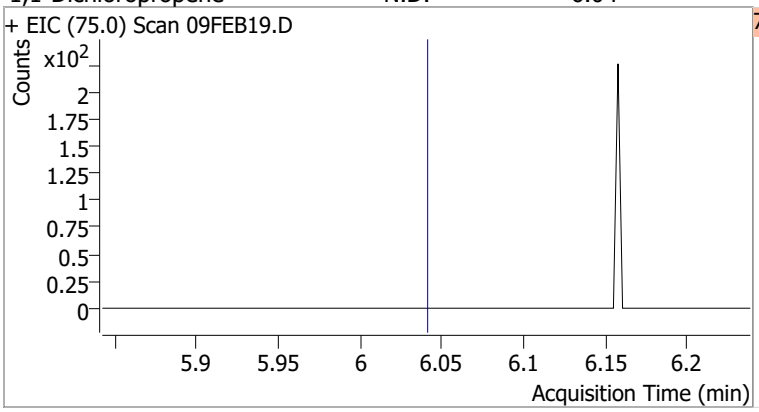


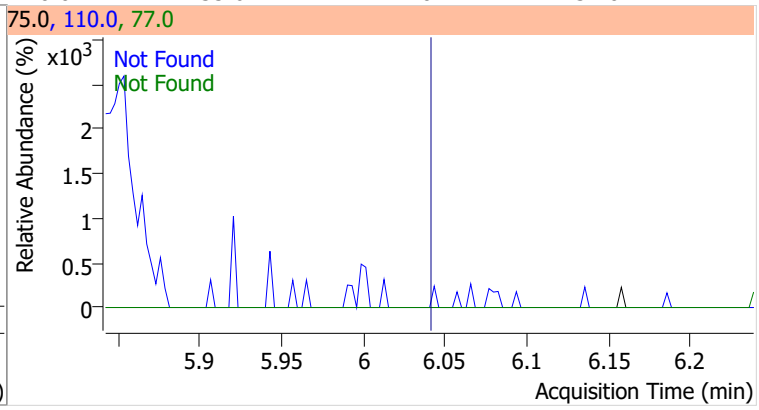
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7



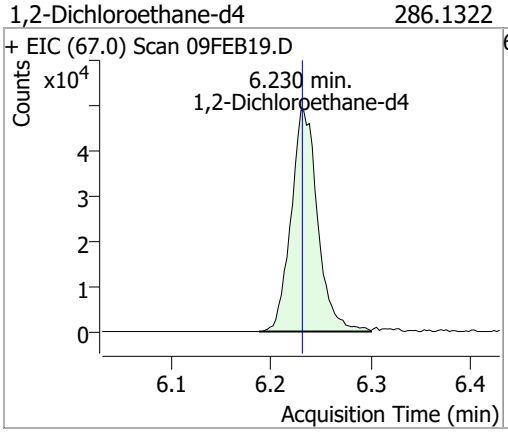


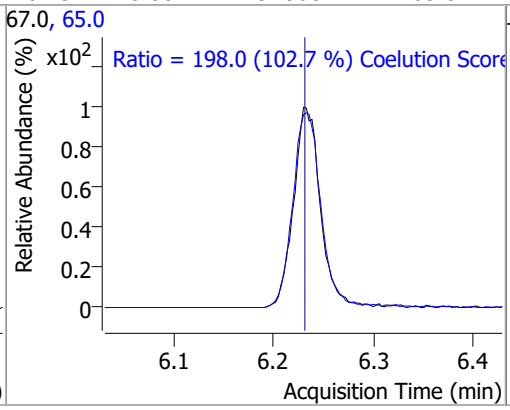
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

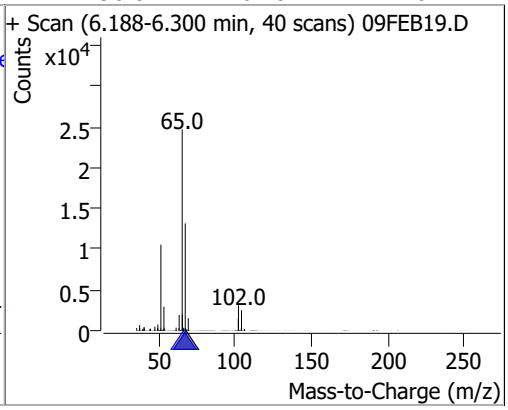




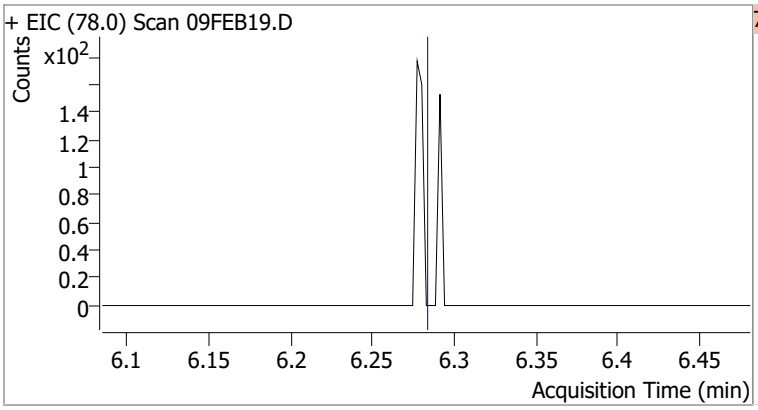
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	286.1322	6.23	0.00	91060	65.0	198.0	162.8	222.8

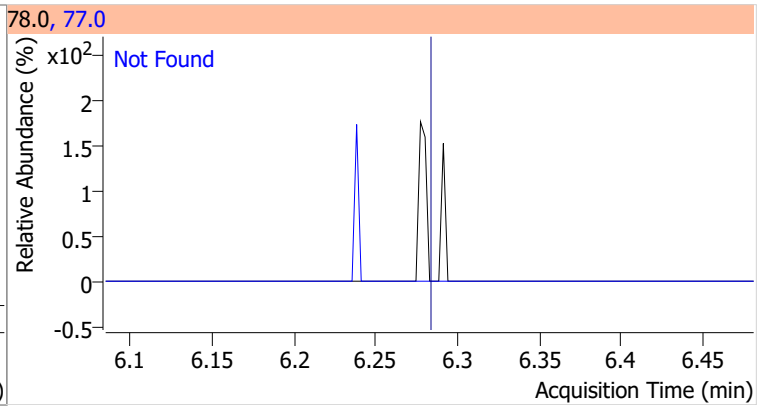




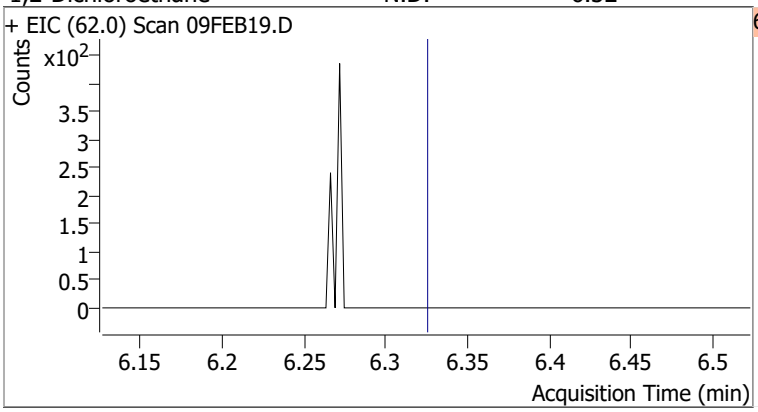


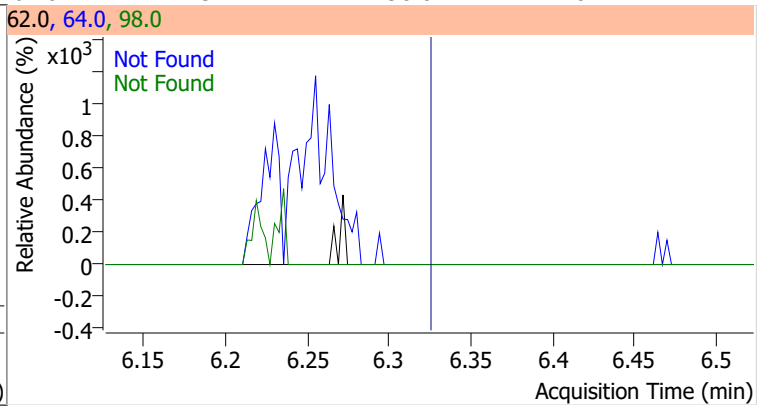
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



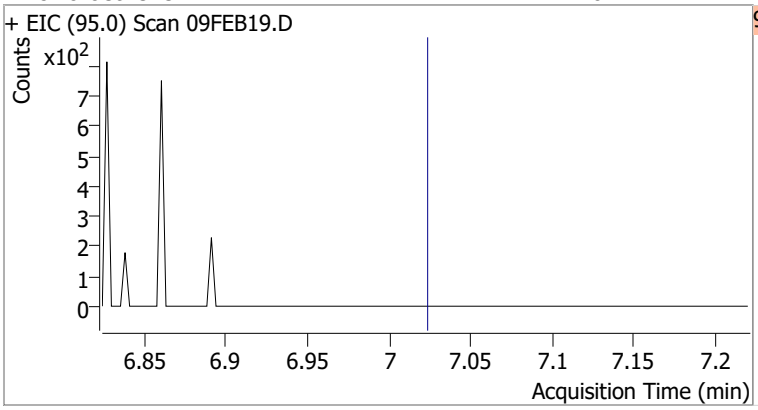


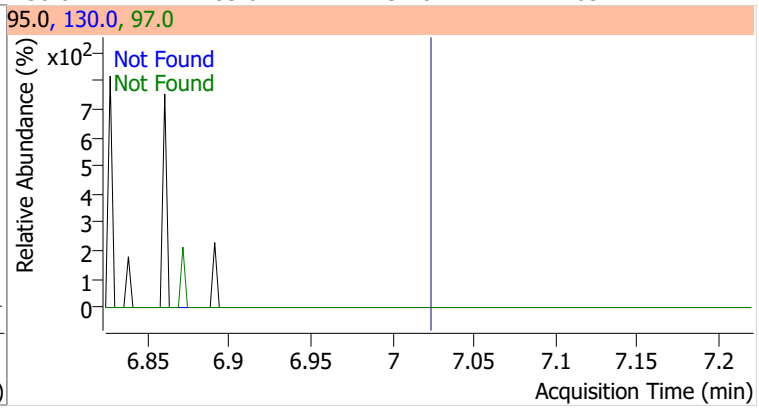
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



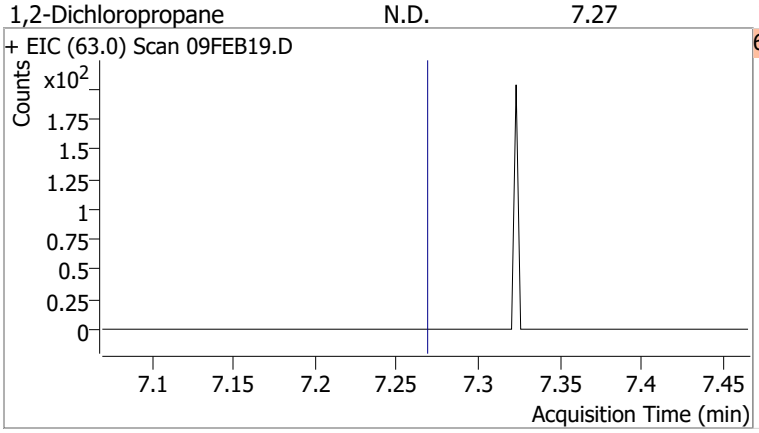


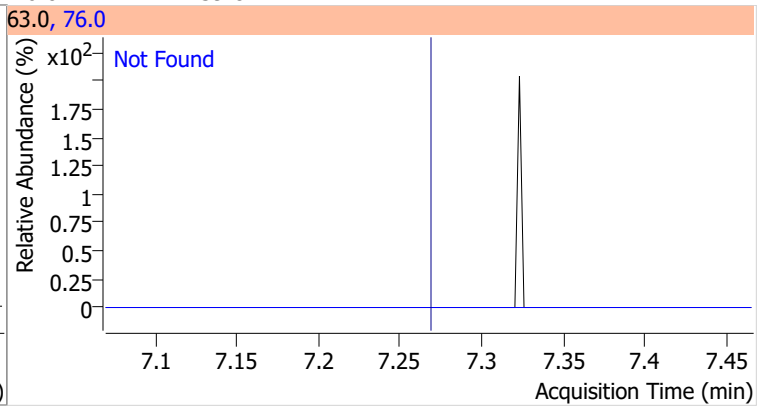
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



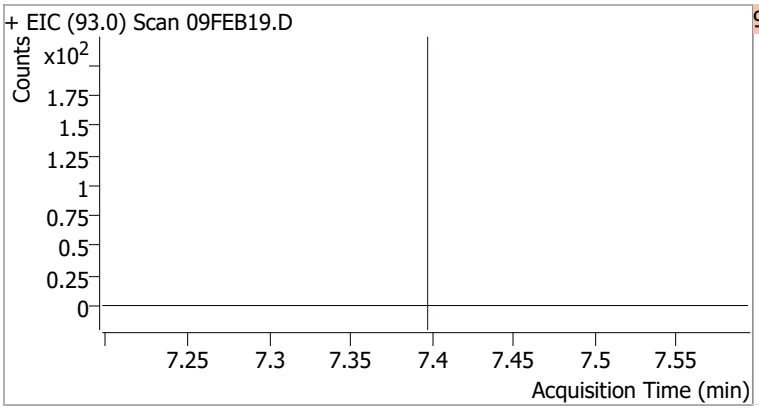


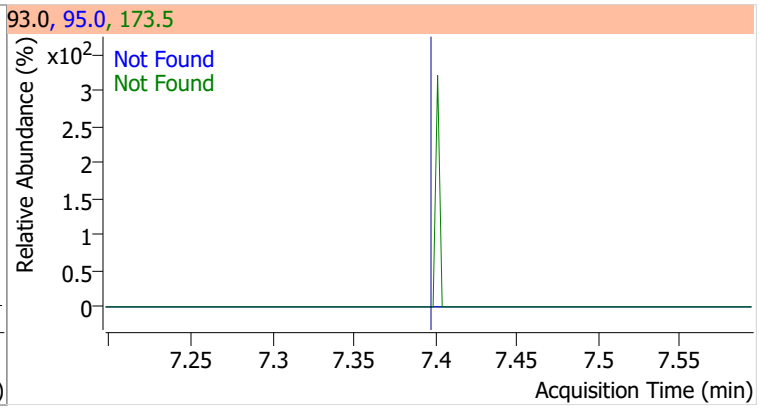
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



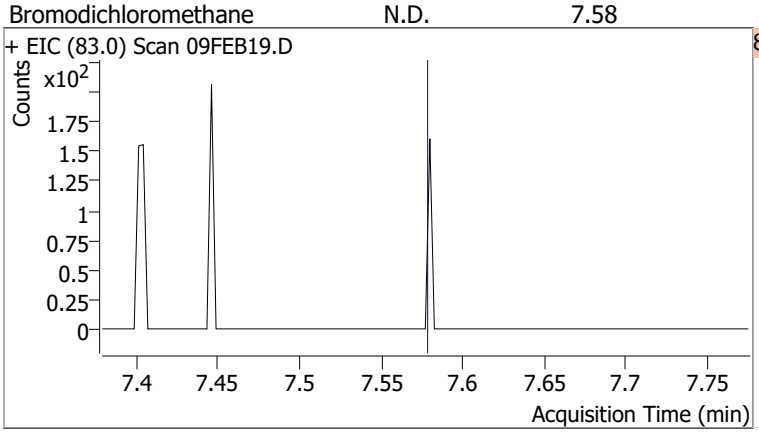


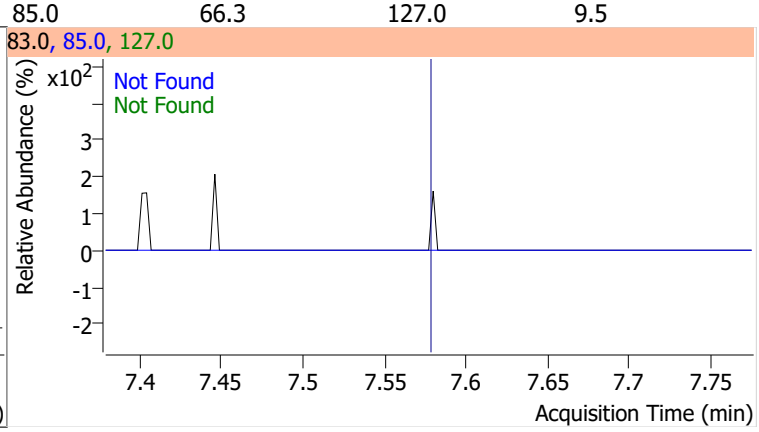
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



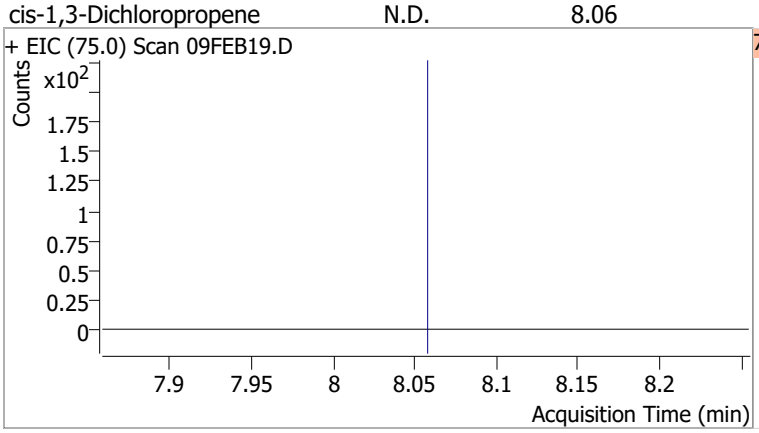


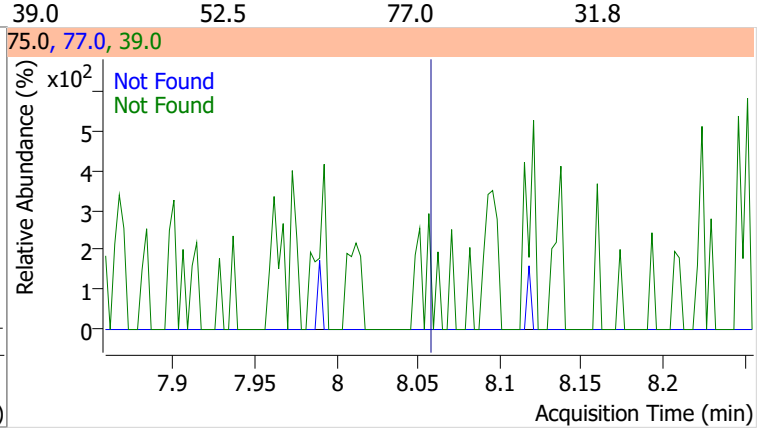
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



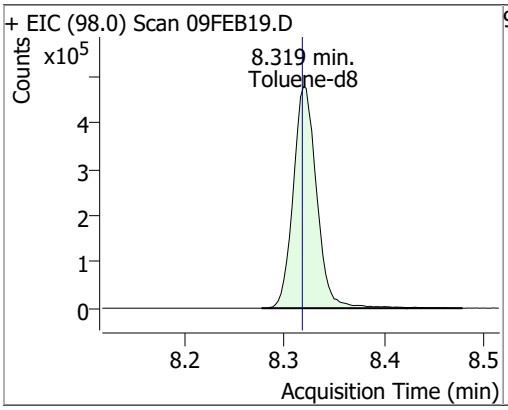


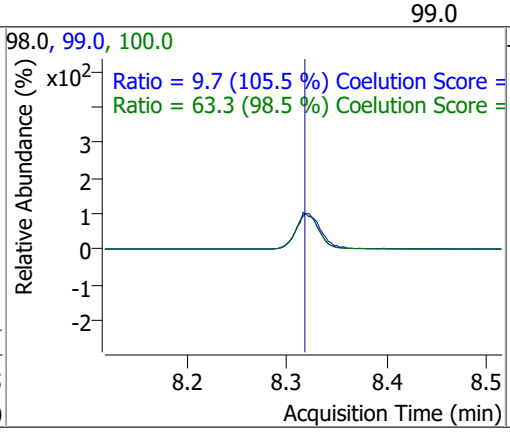
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

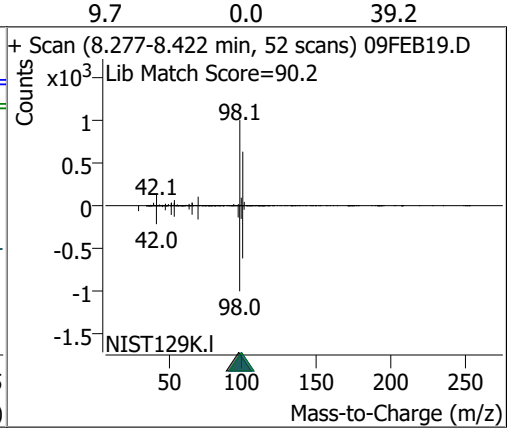




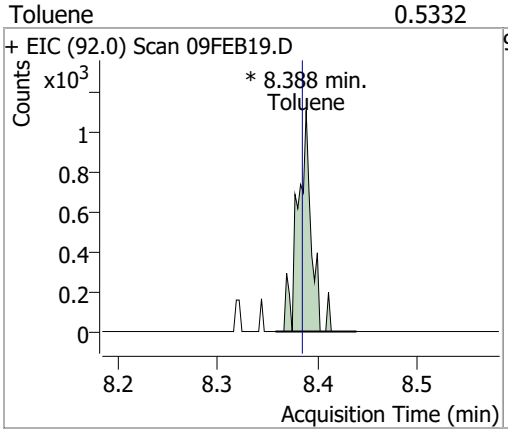
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	263.8459	8.32	0.00	777650	100.0	63.3	34.3	94.3
					99.0	9.7	0.0	39.2

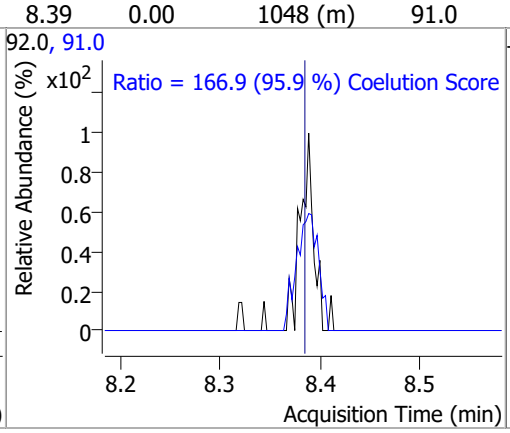


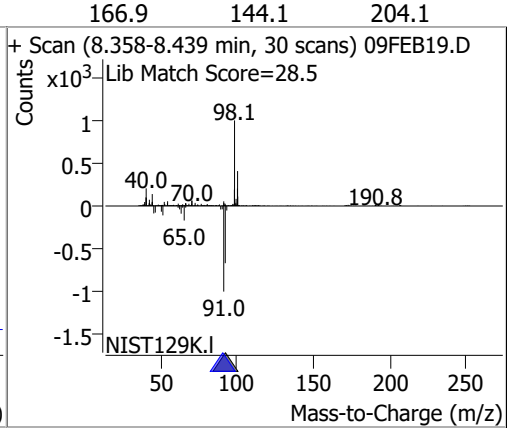




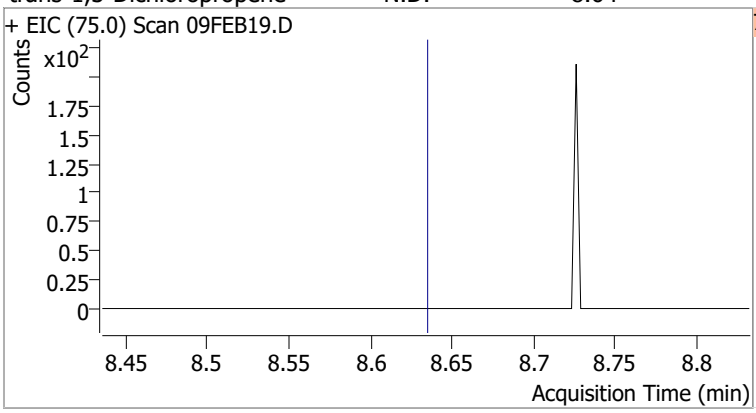
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	0.5332	8.39	0.00	1048 (m)	91.0	166.9	144.1	204.1

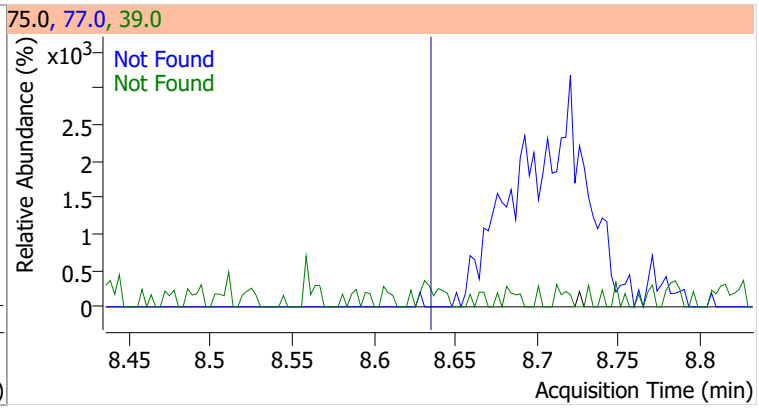




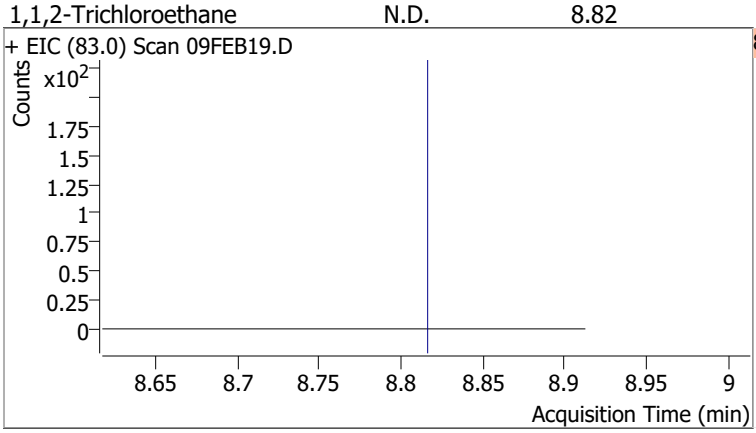


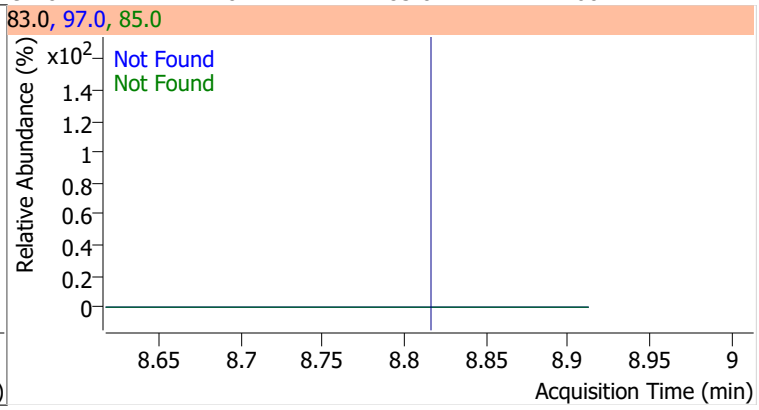
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



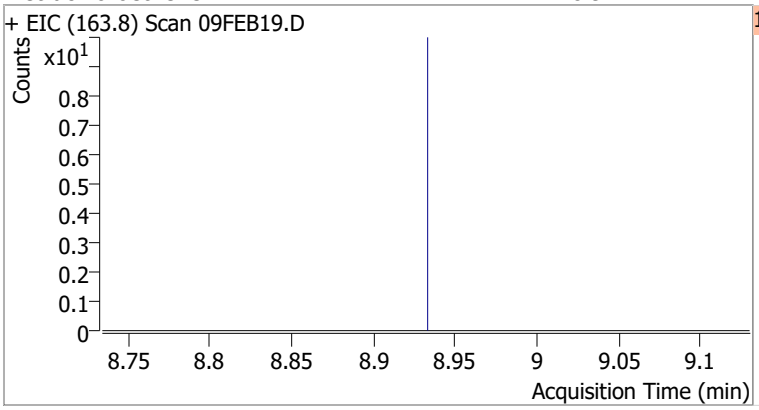


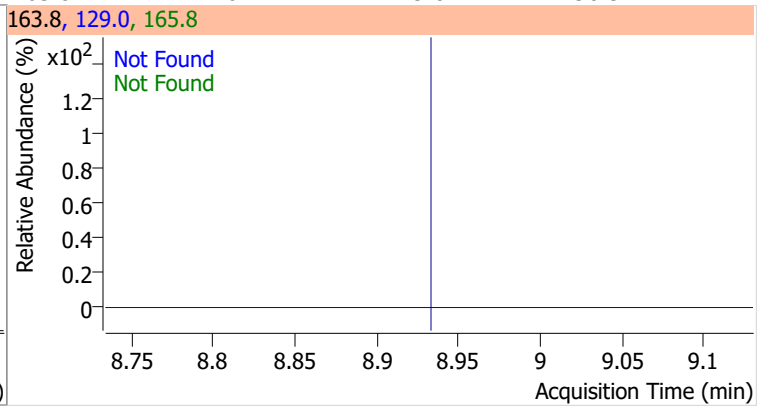
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



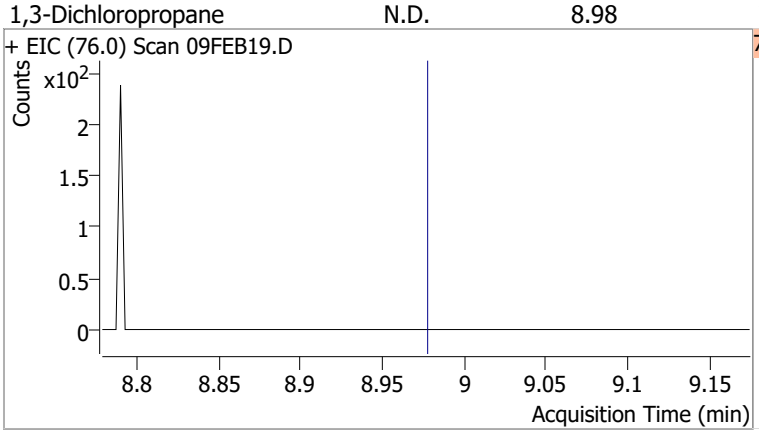


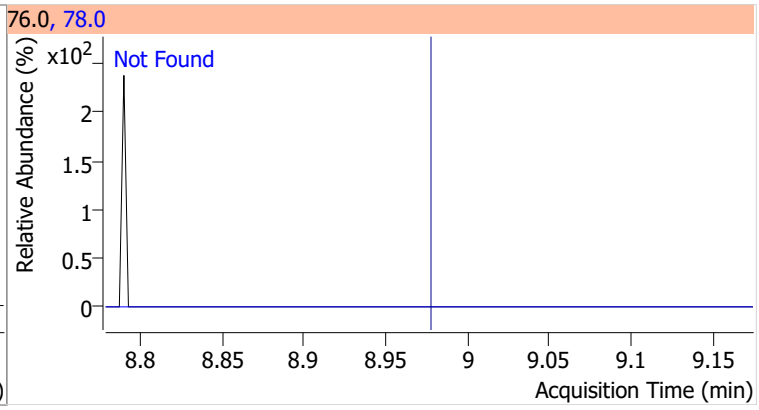
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



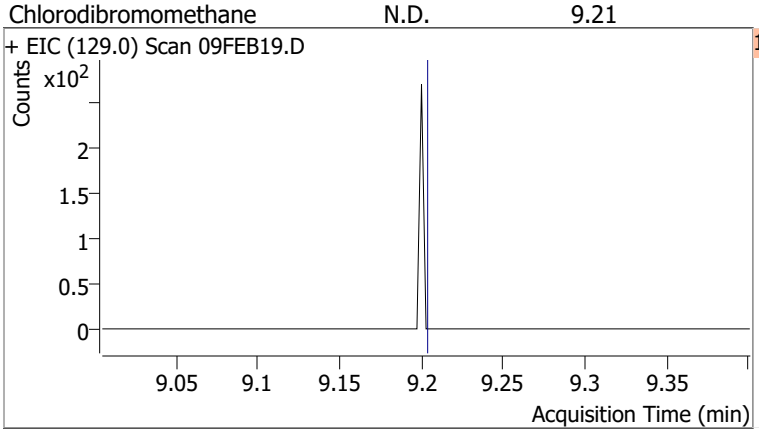


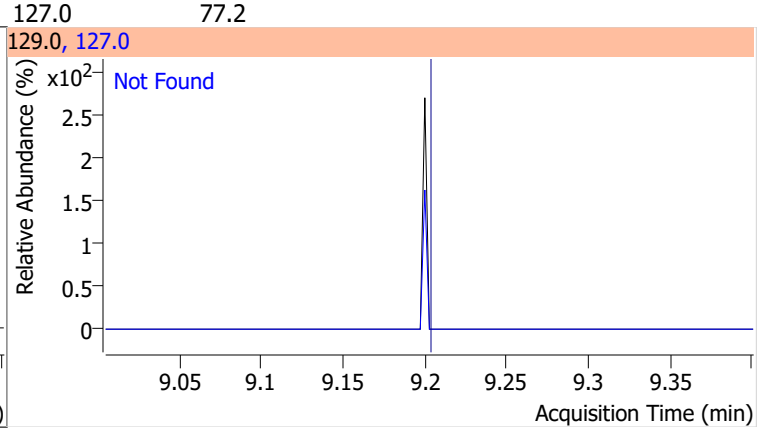
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



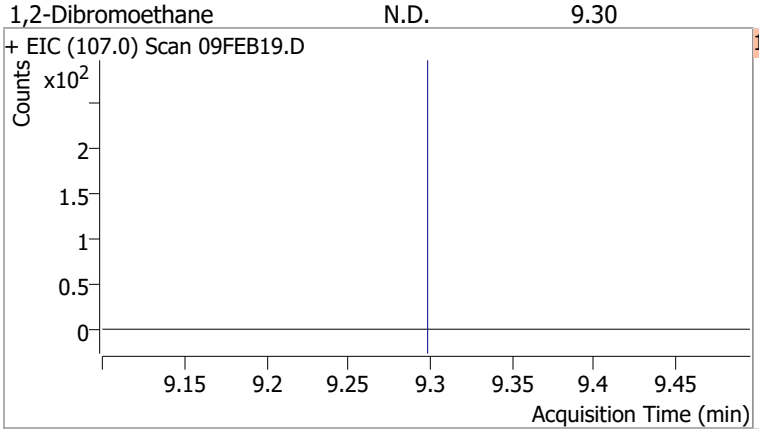


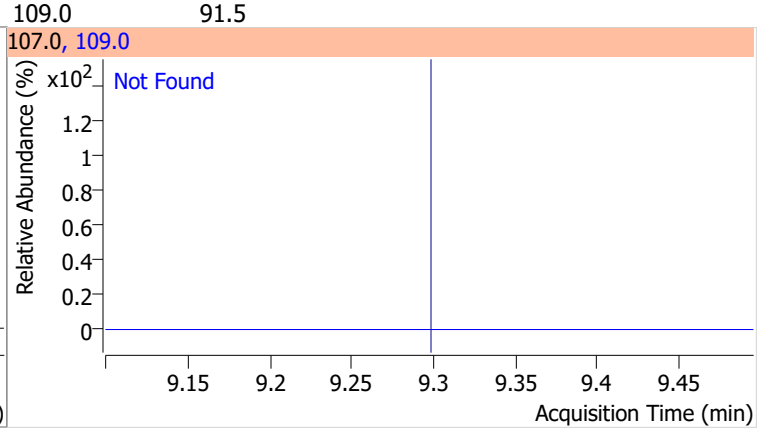
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



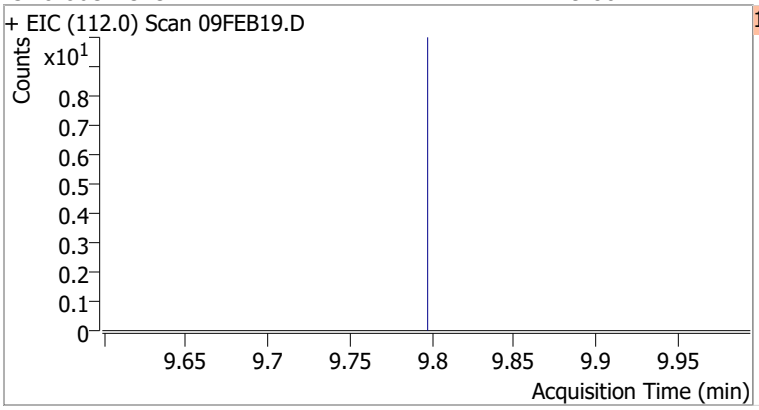


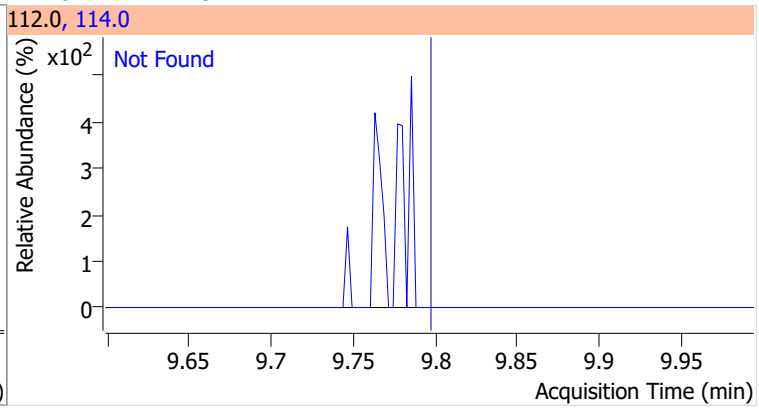
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



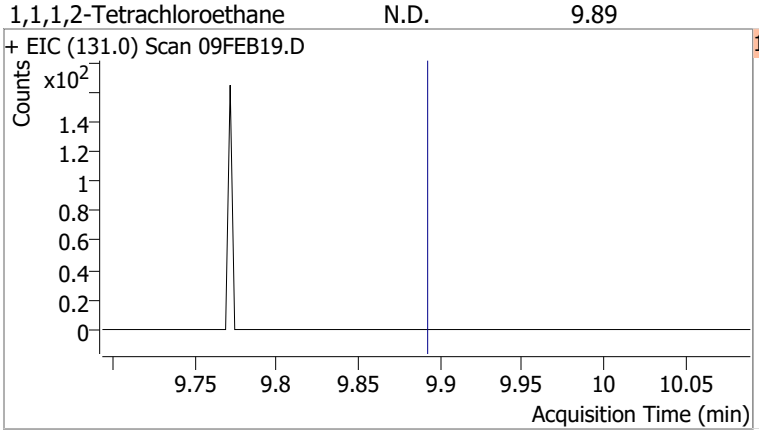


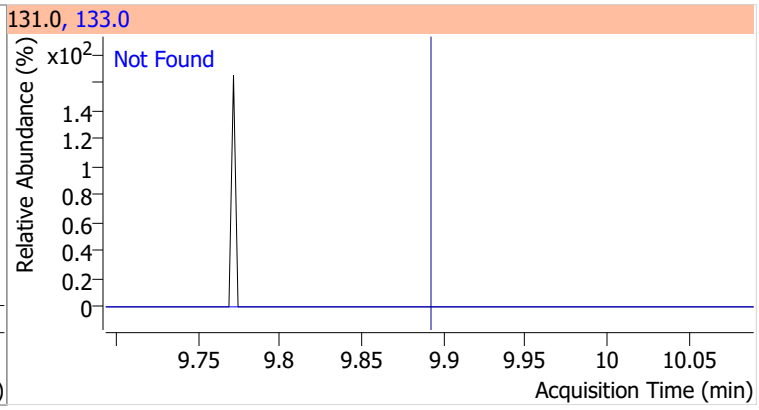
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



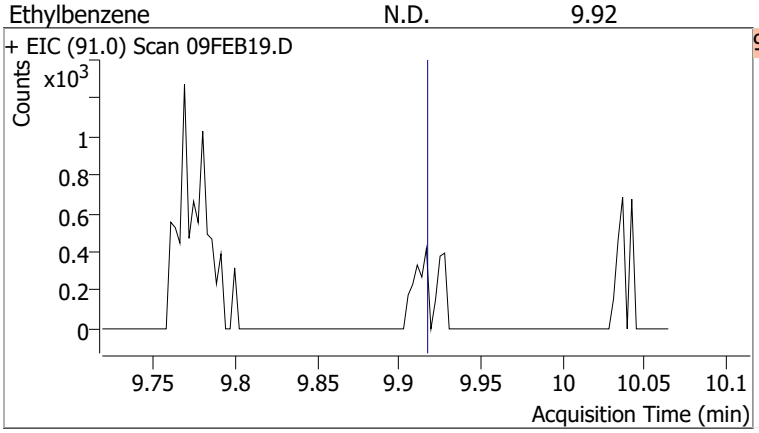


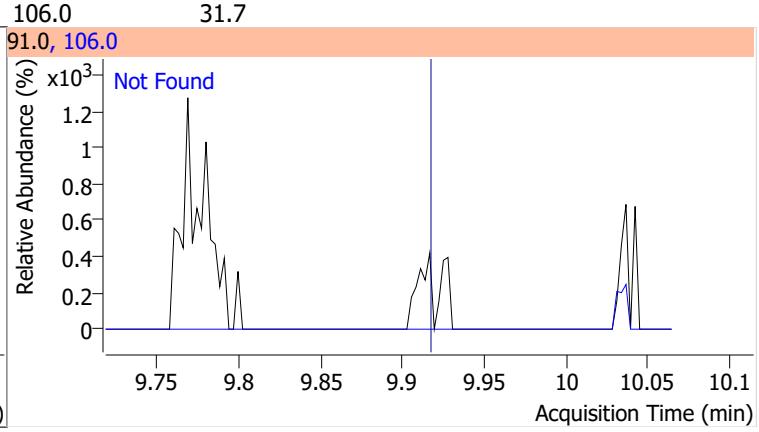
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



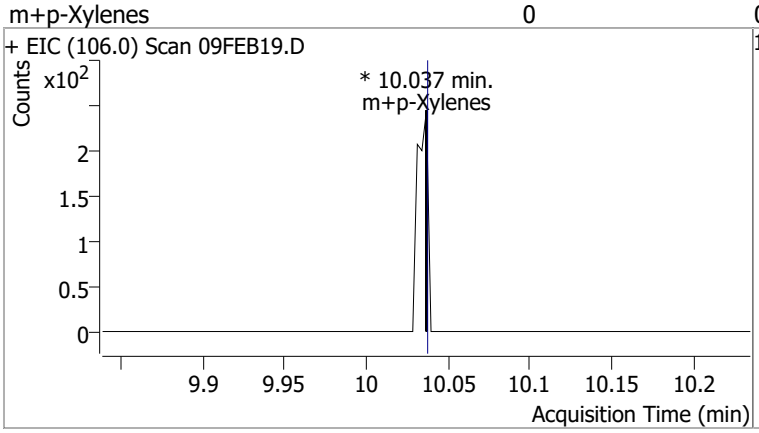


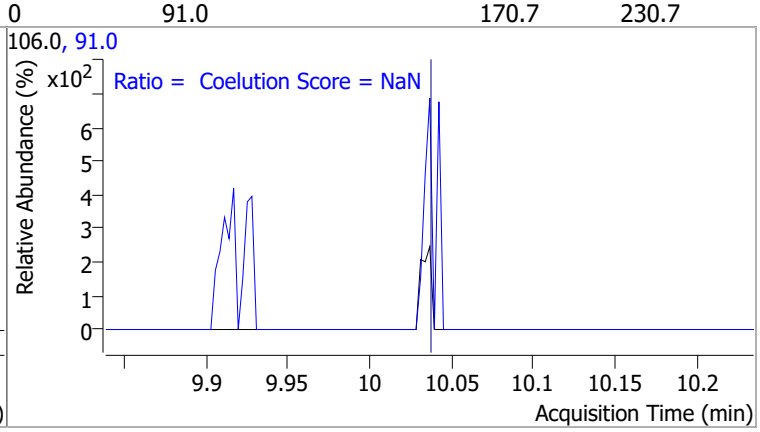
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



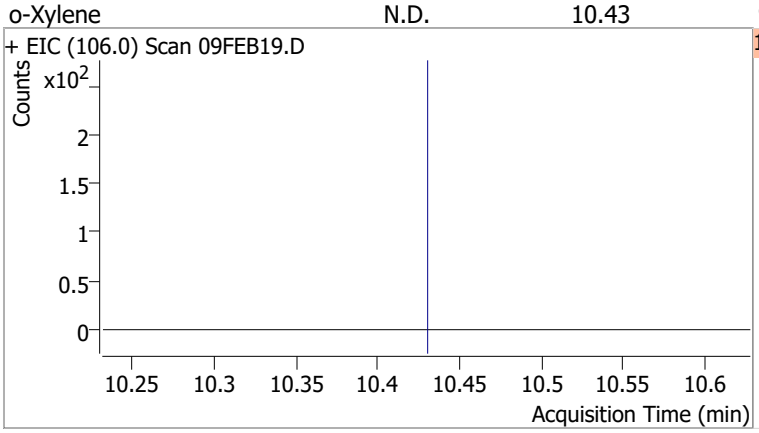


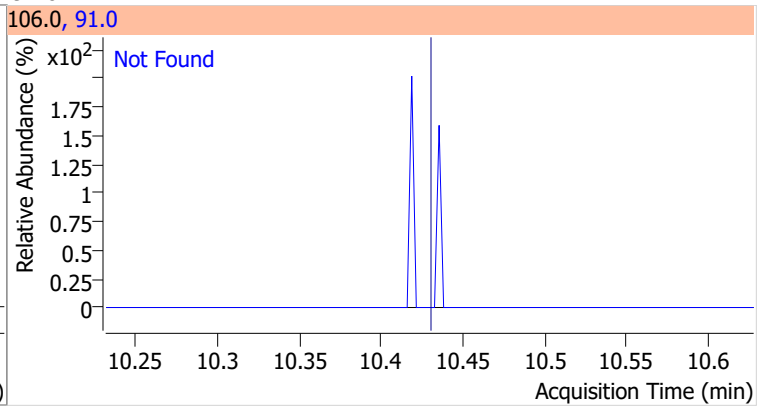
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes		0		0	91.0		170.7	230.7



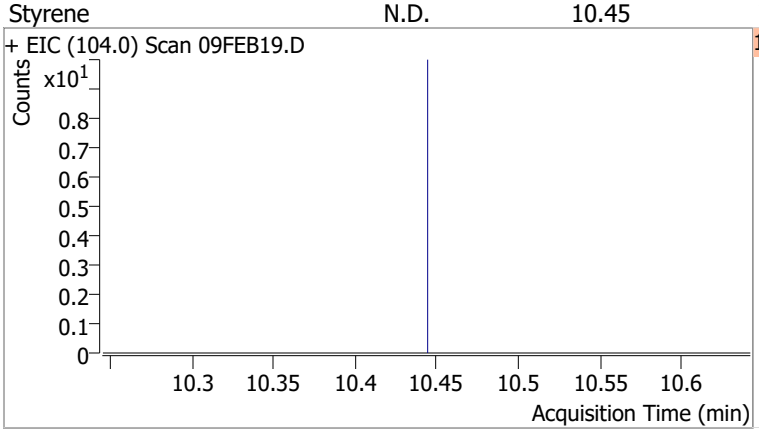


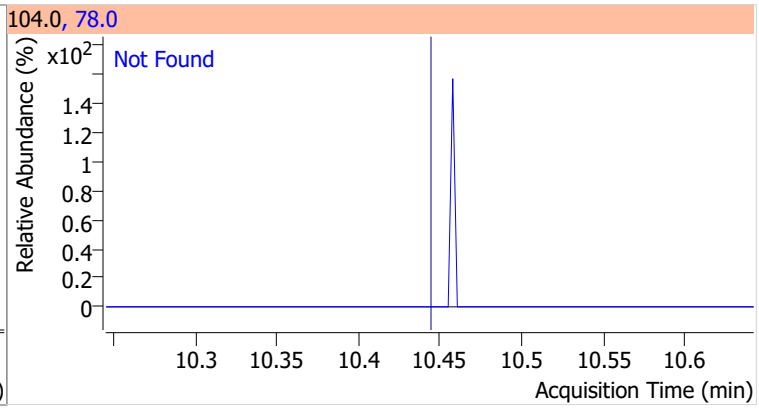
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



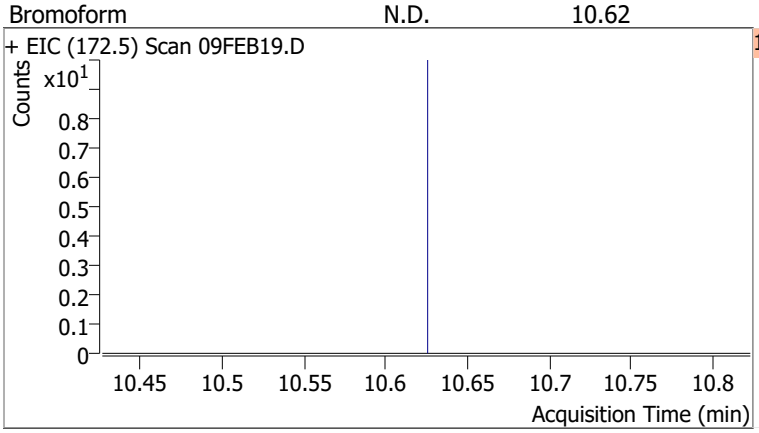


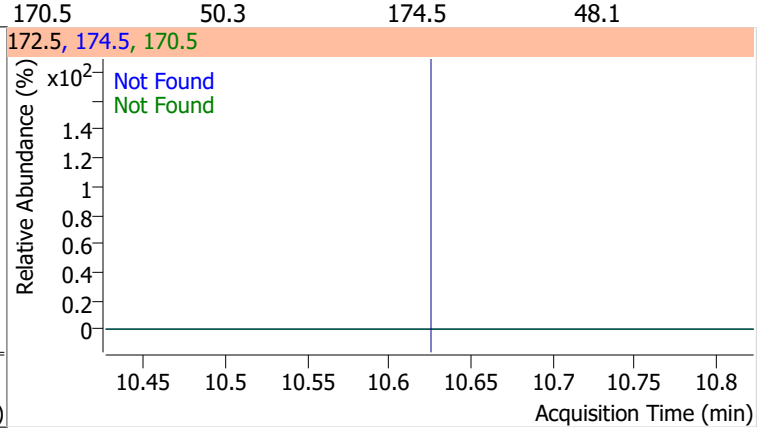
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



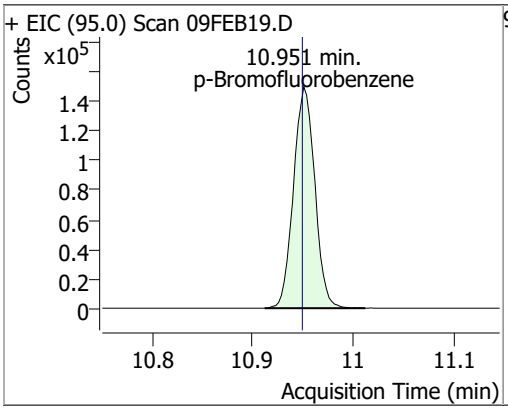


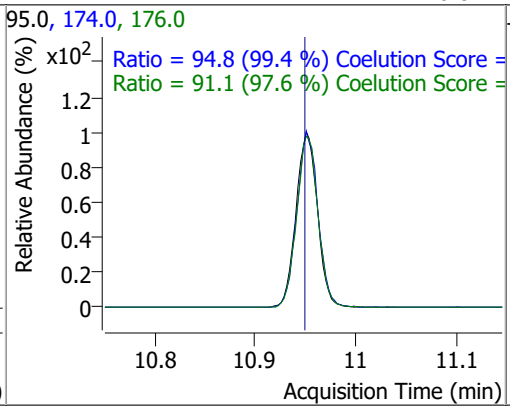
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

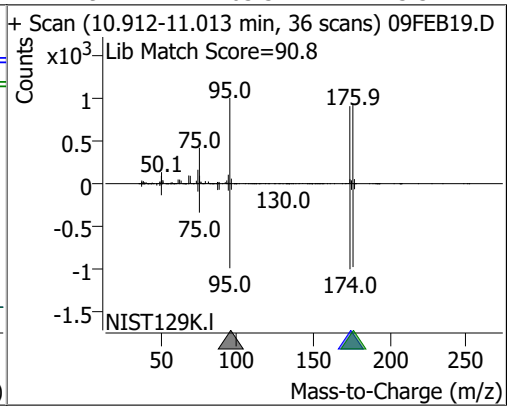




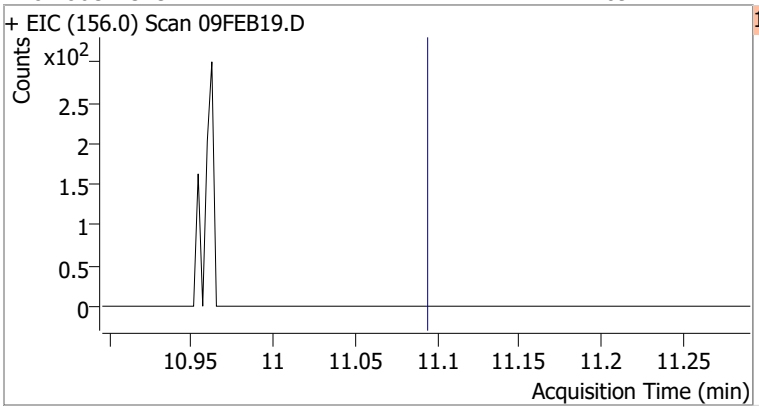
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	260.4249	10.95	0.00	221590	174.0	94.8	65.3	125.3
					176.0	91.1	63.3	123.3

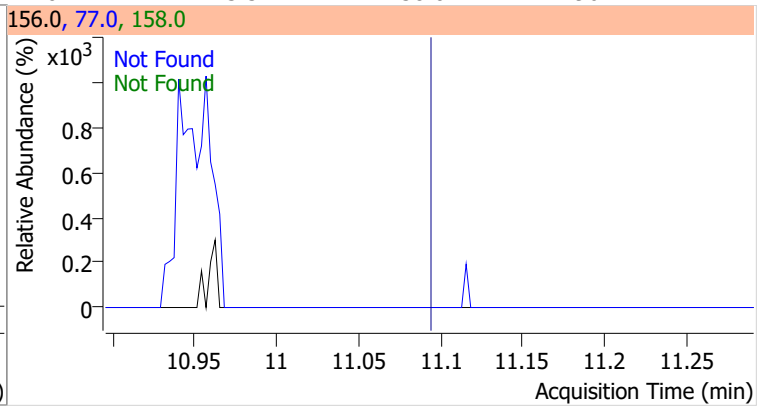




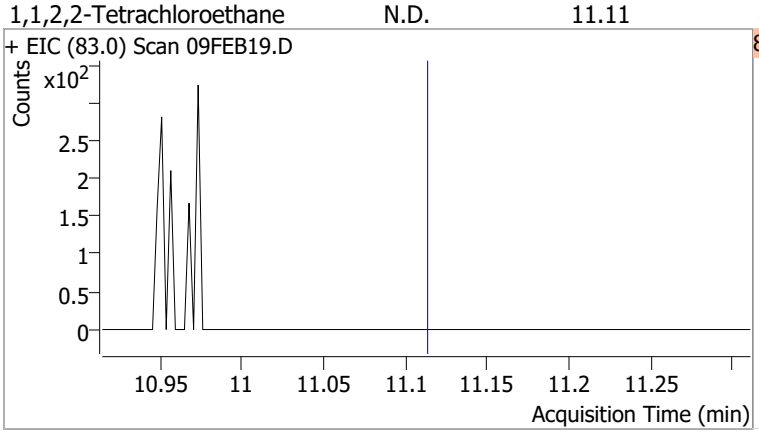


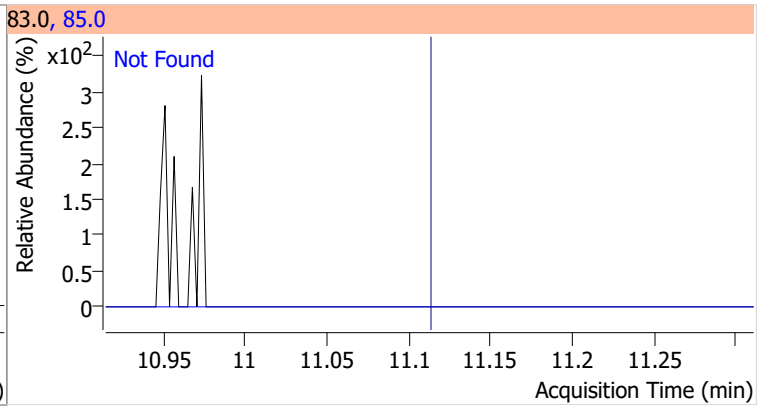
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



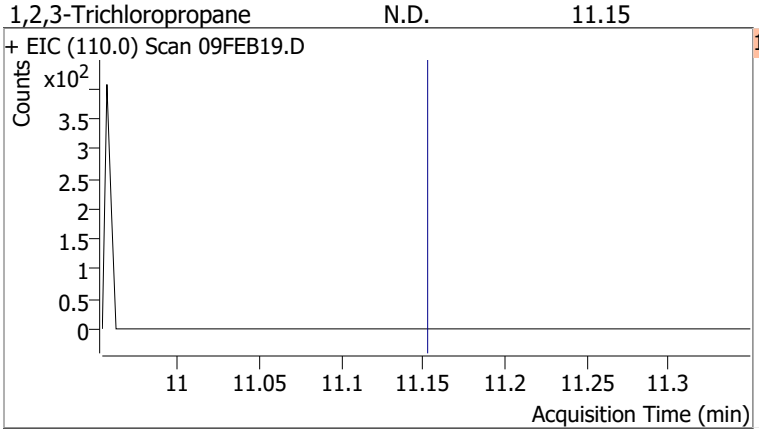


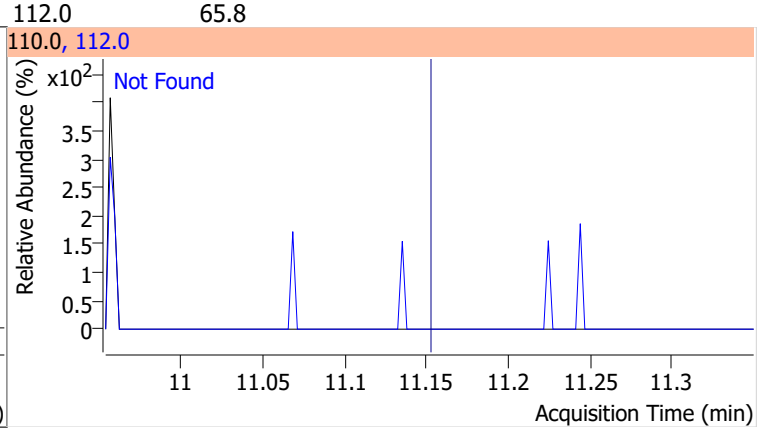
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



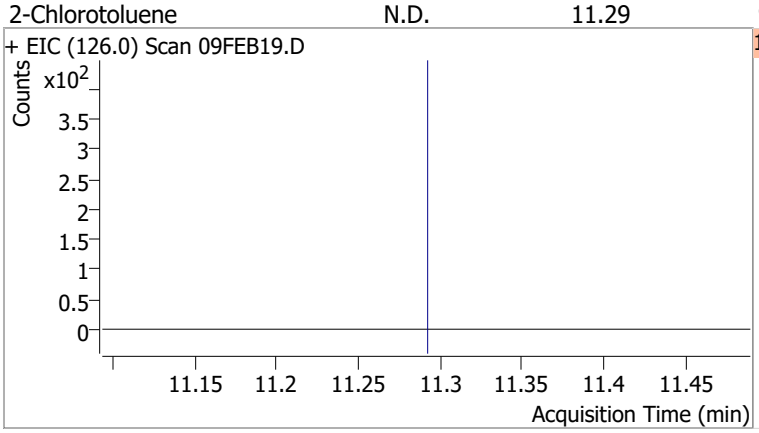


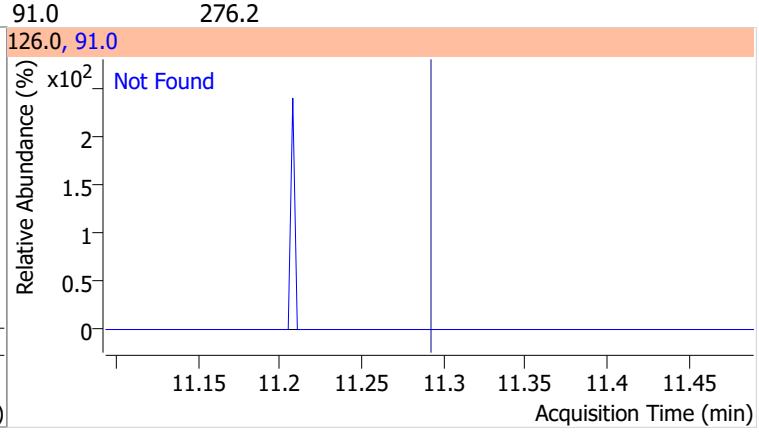
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



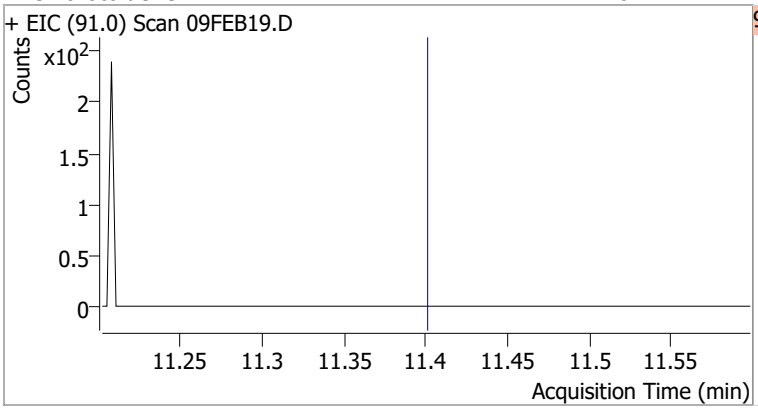


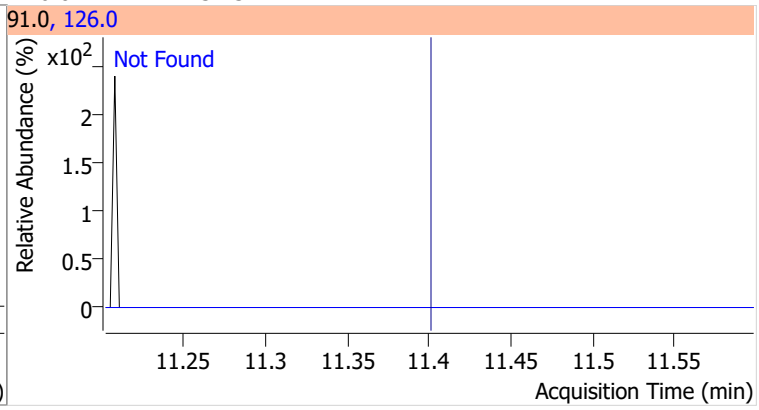
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



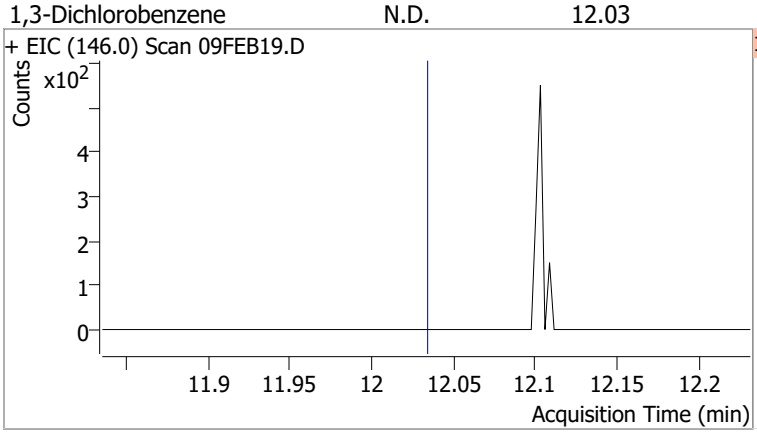


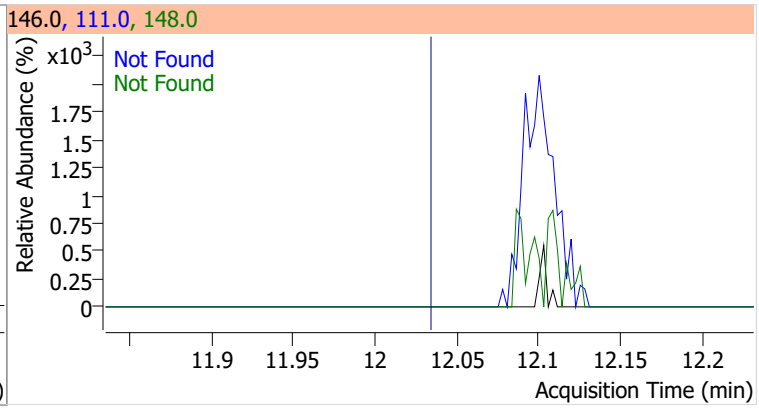
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



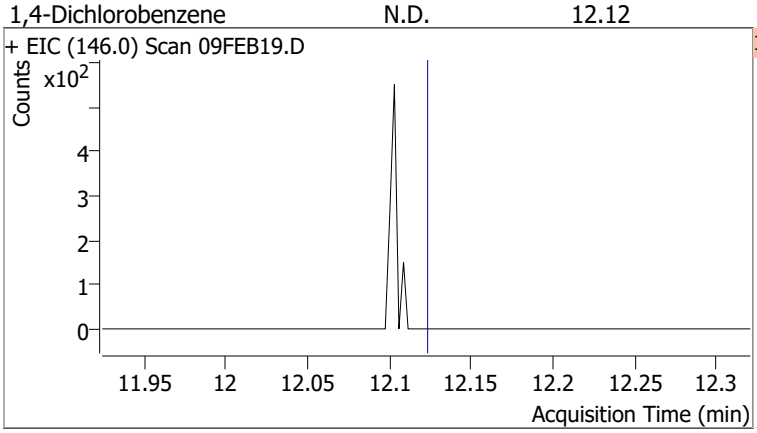


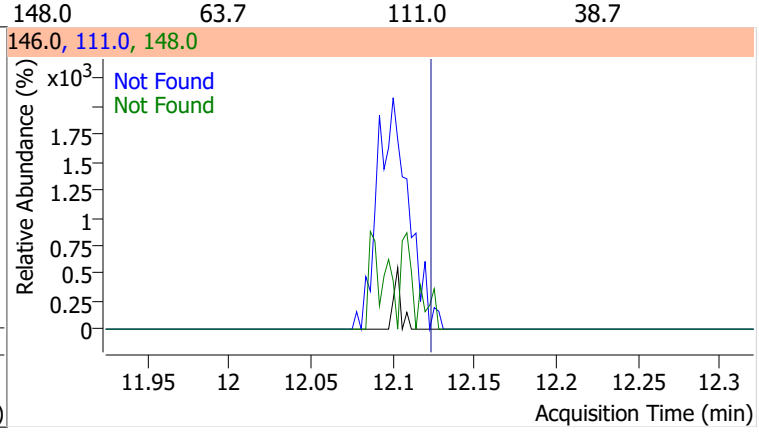
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



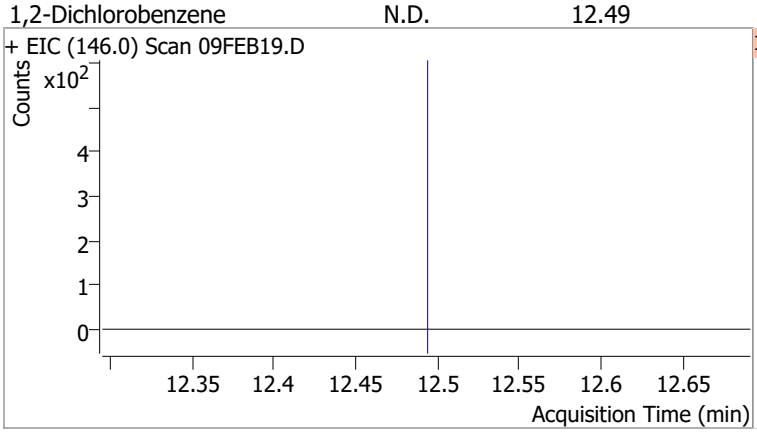


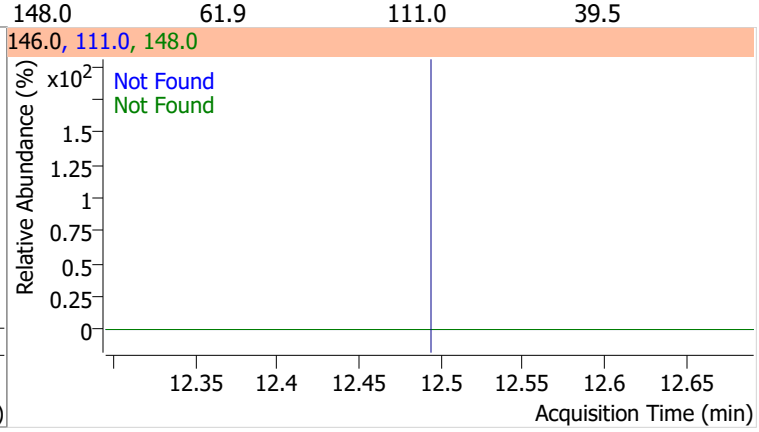
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





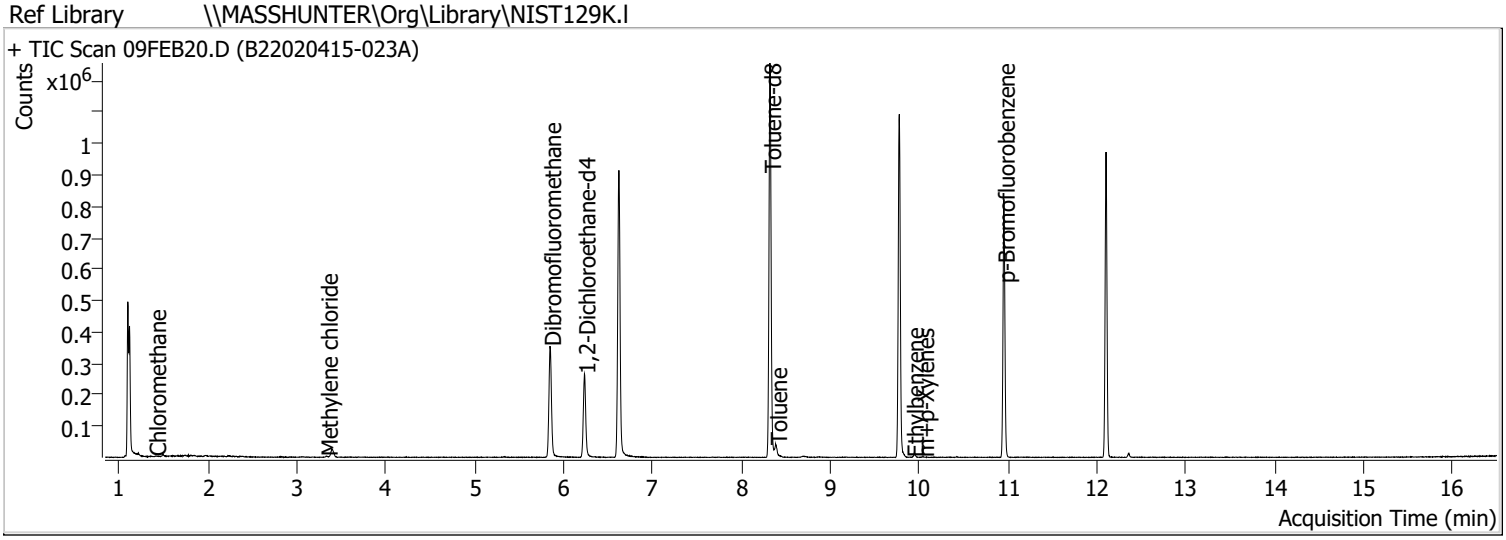
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB20.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 2:17:56 PM
Sample Name	B22020415-023A	Instrument	VOA5975C
Vial	20	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

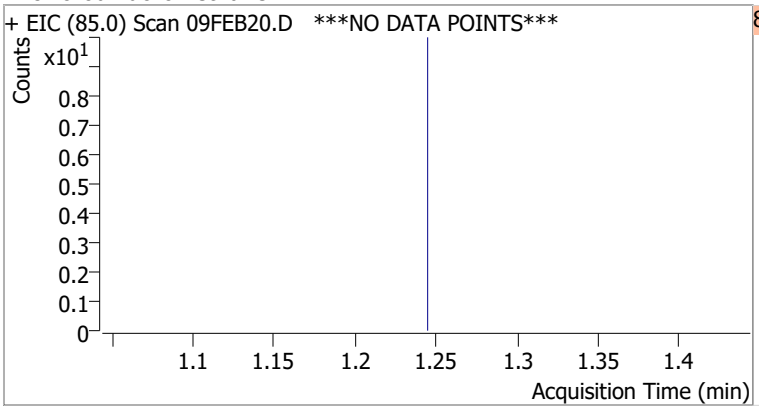


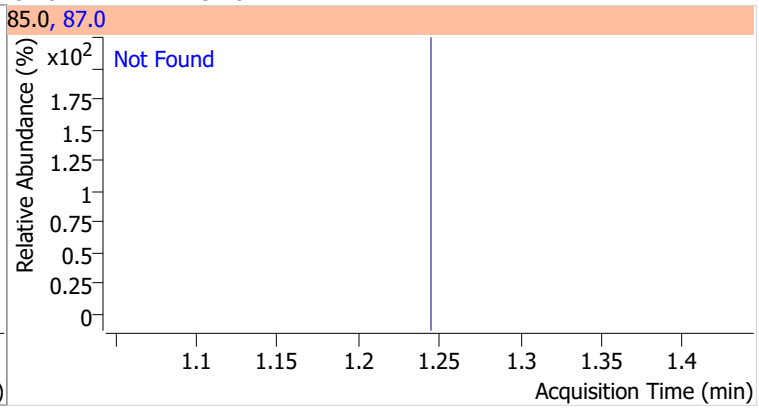
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.621	96.0	771391	250.0000	ng		0.000
M Chlorobenzene-d5	9.775	82.0	311778	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	228785	250.0000	ng		0.000
System Monitoring Compounds							
S Dibromofluoromethane	5.845	113.0	210471	281.6963	ng		-0.005
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 112.68%			
S 1,2-Dichloroethane-d4	6.233	67.0	92611	286.9421	ng		0.003
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 114.78%			
S Toluene-d8	8.322	98.0	782522	257.2651	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 102.91%			
S p-Bromofluorobenzene	10.951	95.0	227091	268.8335	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 107.53%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	1.403	50.0	1165	0.9542	ng	m	99
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.336	49.0	2152	1.9083	ng	m	85
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	8.391	92.0	11044	5.4472	ng		100
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	9.928	91.0	760	0.7981	ng	m	63
T m+p-Xylenes	10.042	106.0	467	2.0948	ng	m	92
T o-Xylene	0.000		0	N.D.			
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

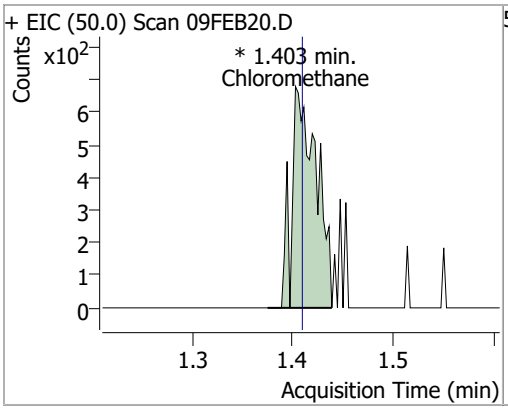
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

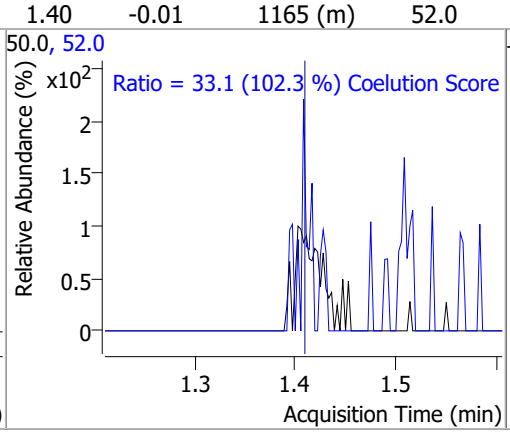
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8

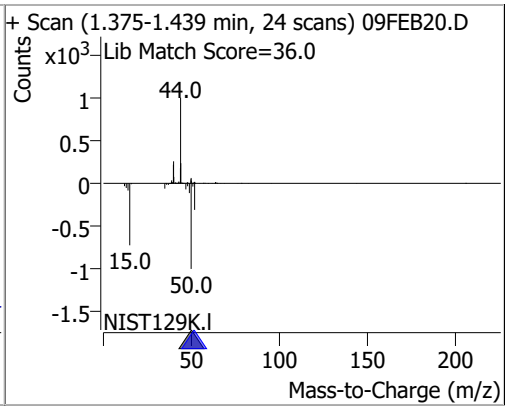




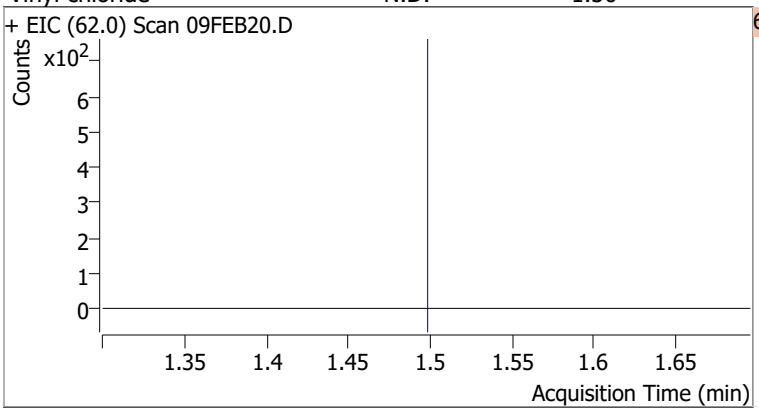
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	0.9542	1.40	-0.01	1165 (m)	52.0	33.1	2.4	62.4

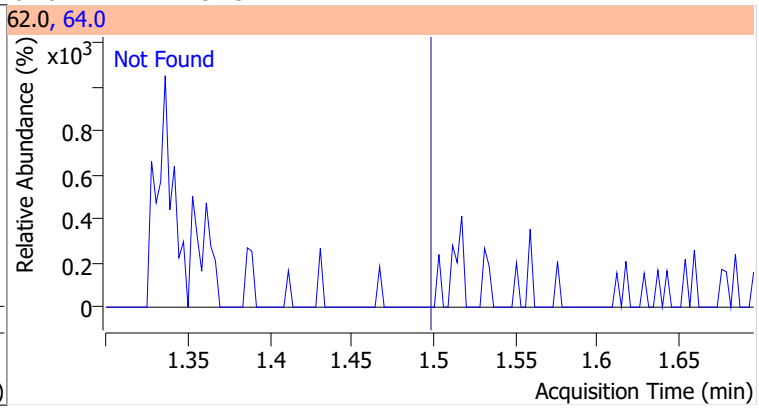




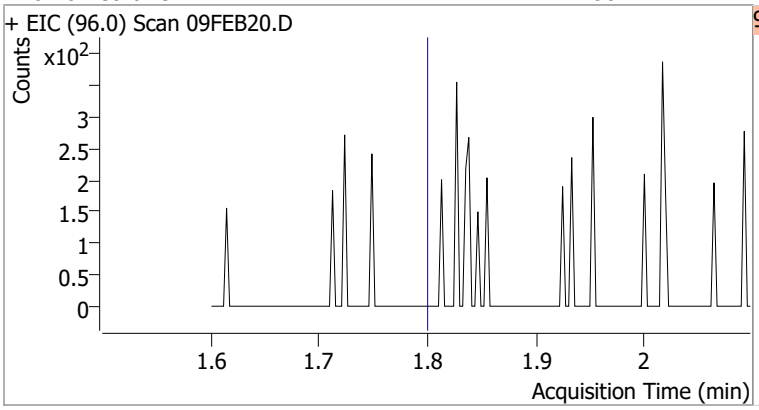


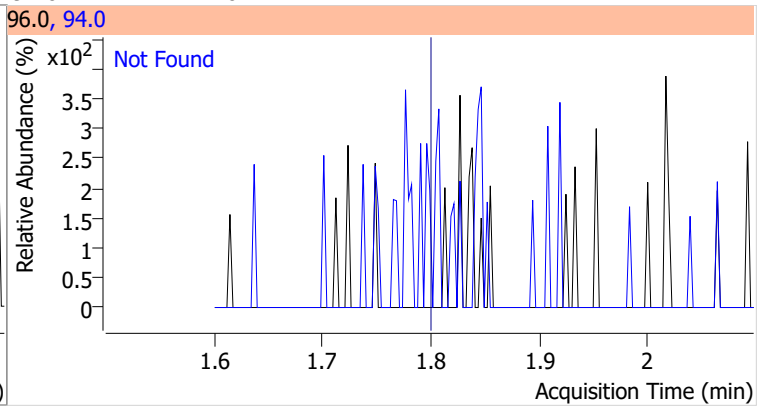
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



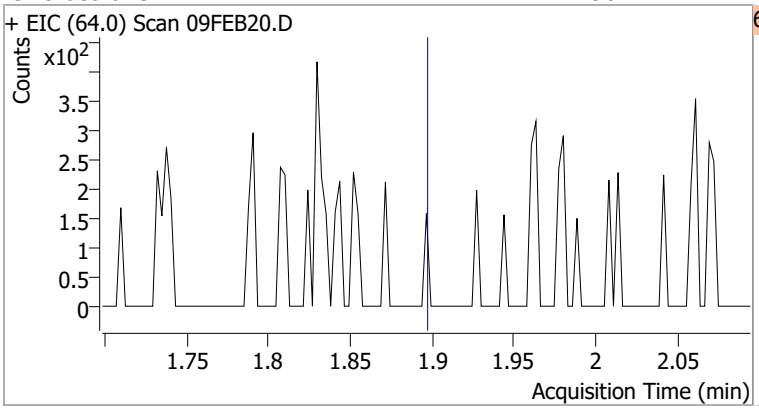


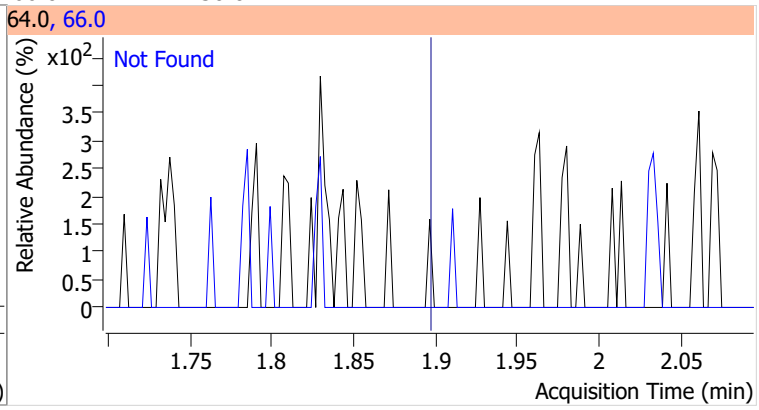
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



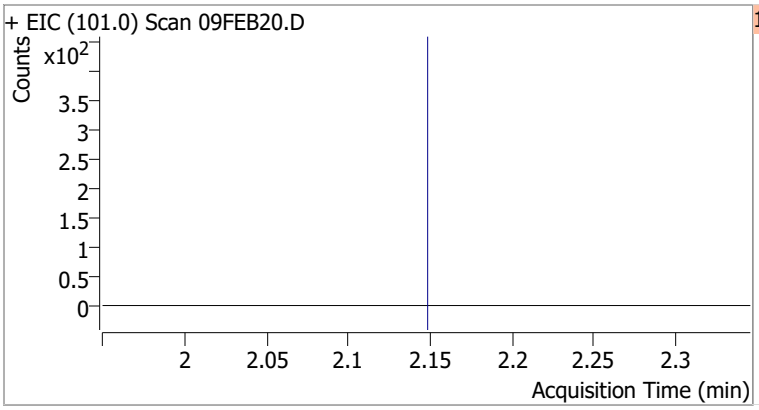


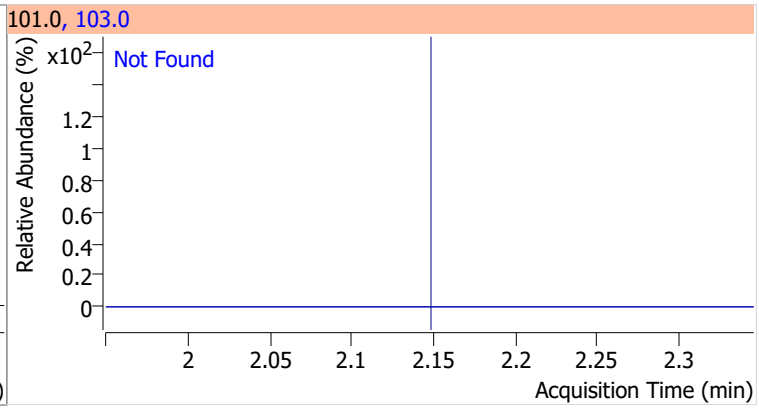
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



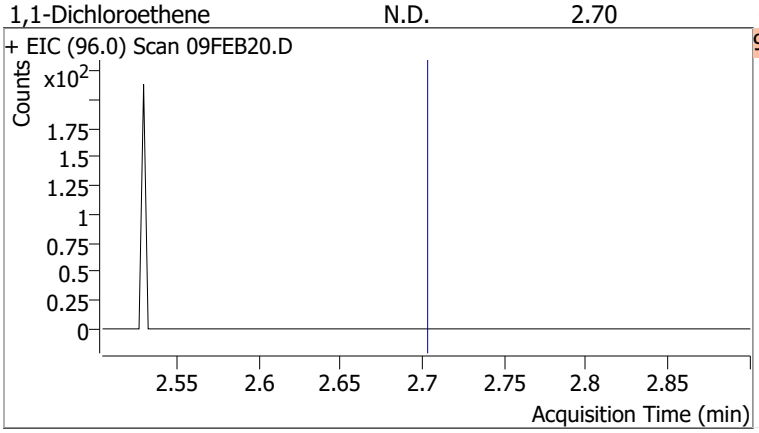


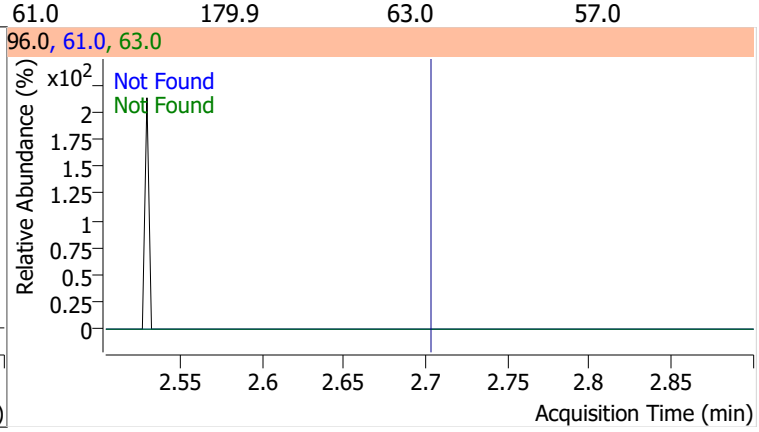
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



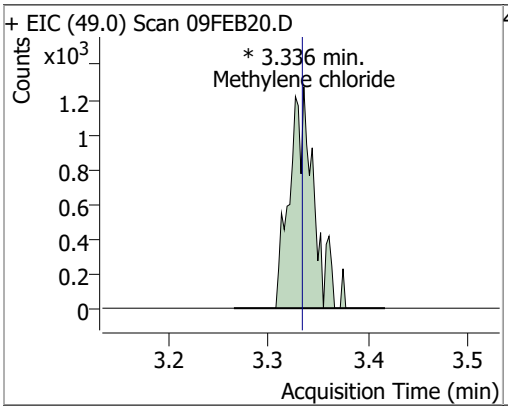


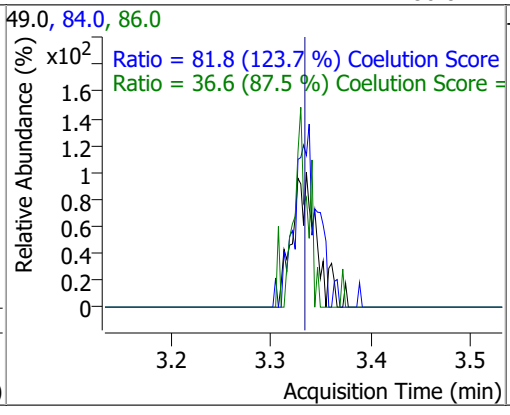
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

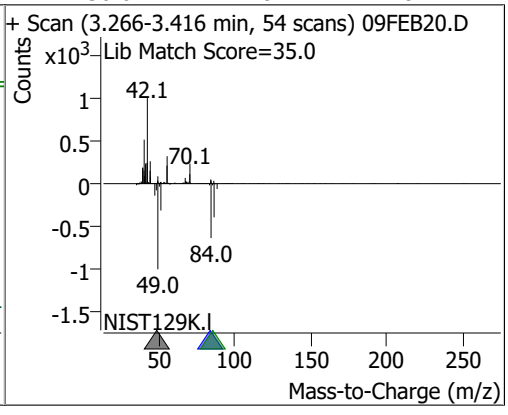




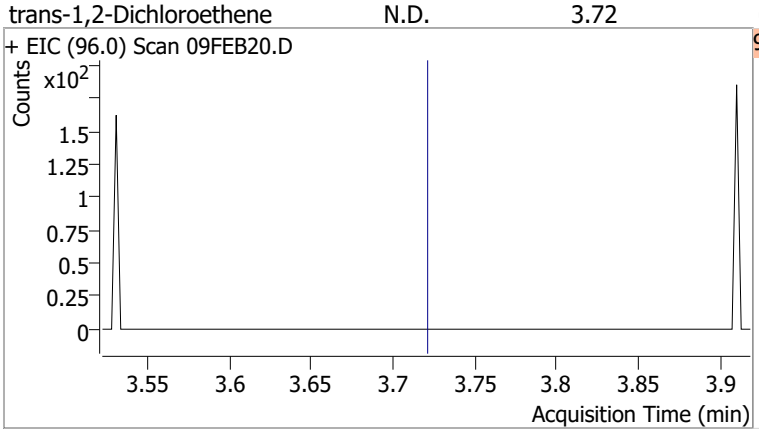
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	1.9083	3.34	0.00	2152 (m)	84.0	81.8	36.1	96.1
					86.0	36.6	11.8	71.8

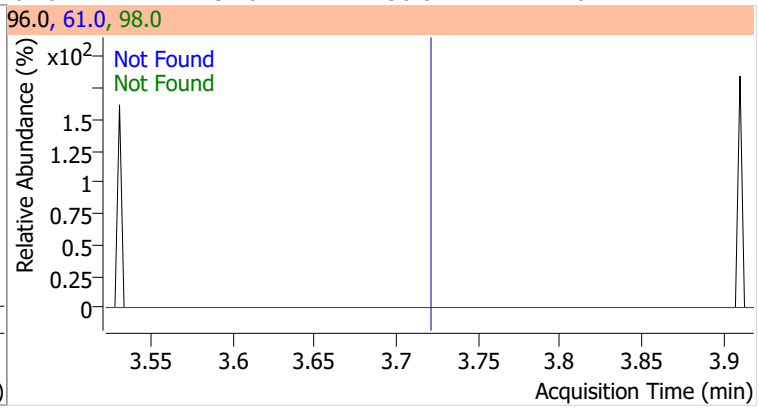




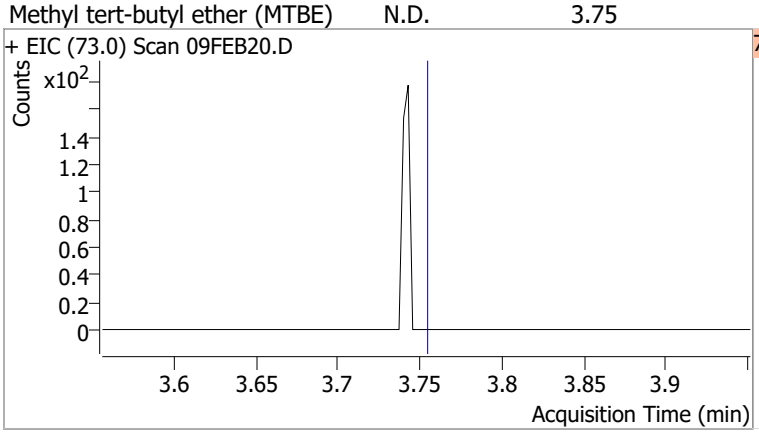


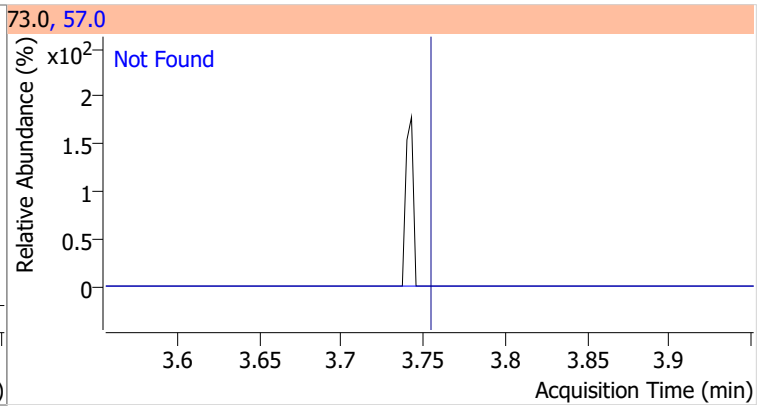
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



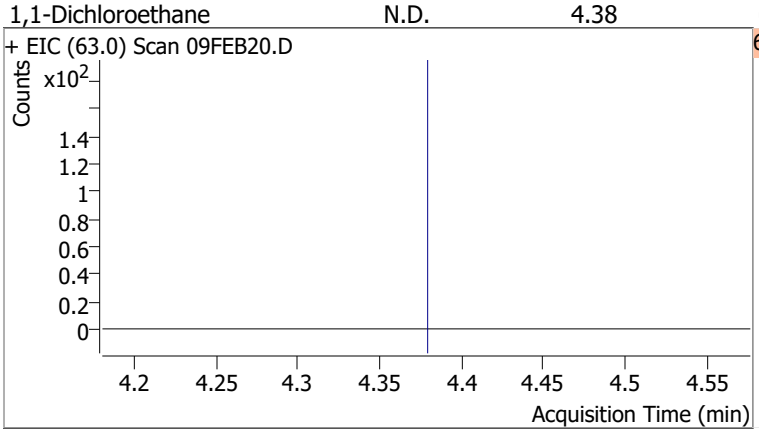


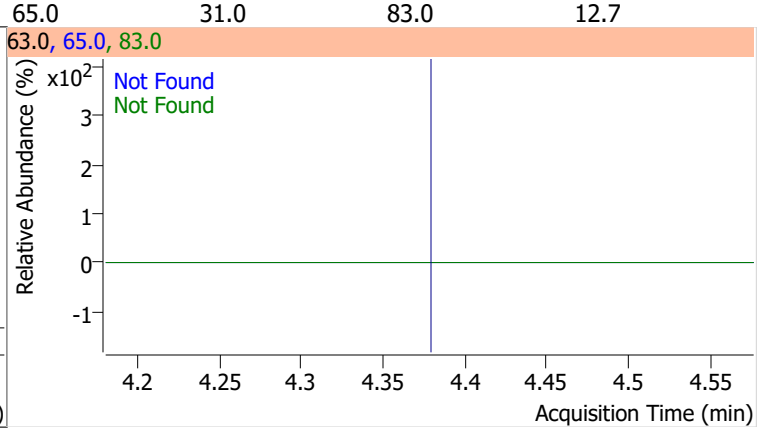
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



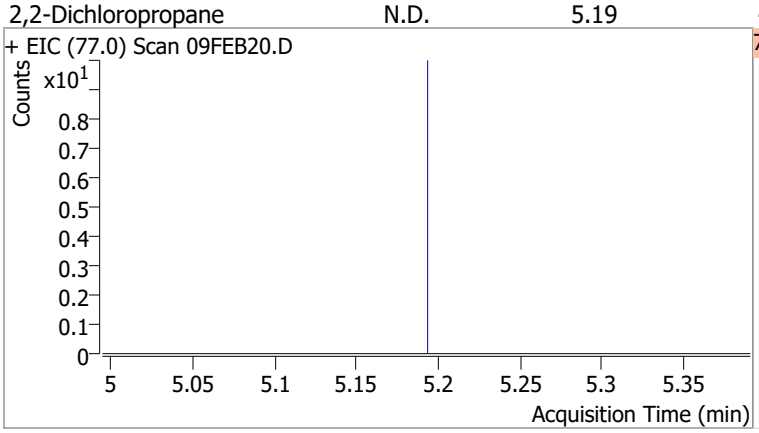


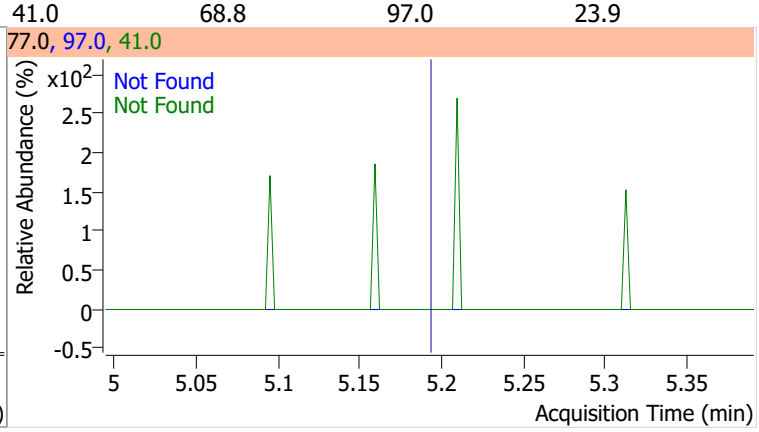
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



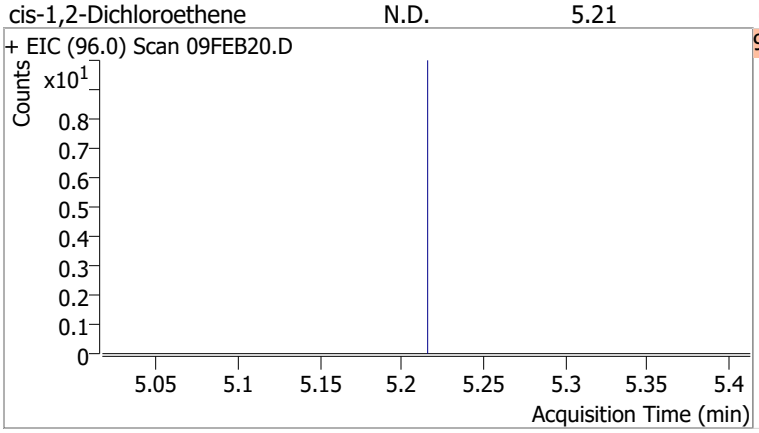


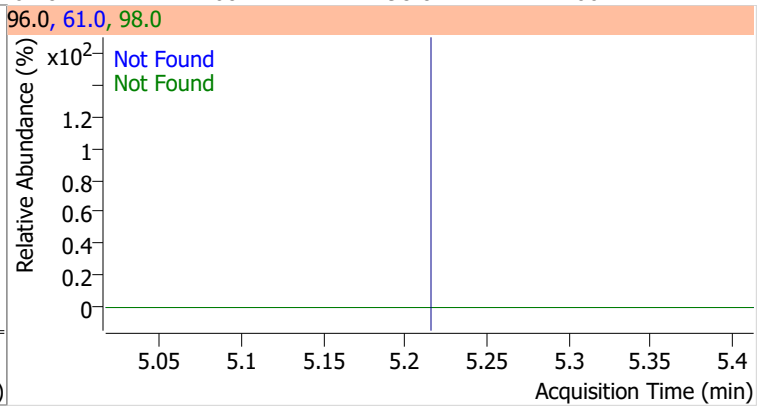
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



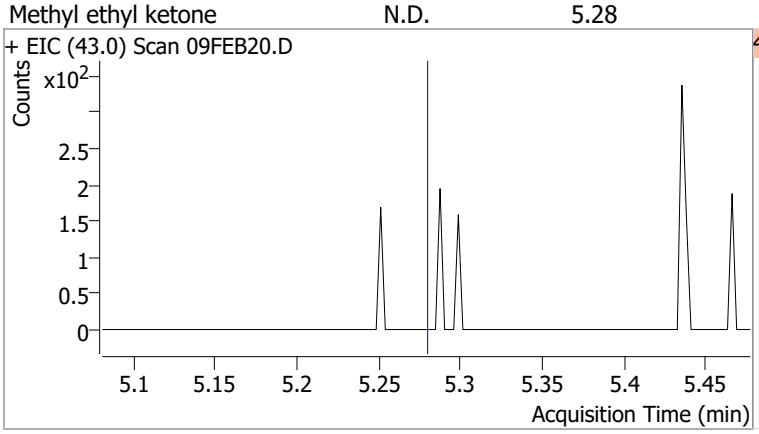


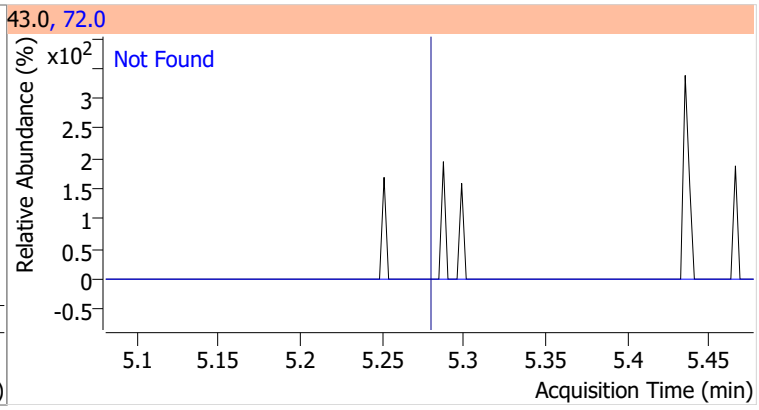
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



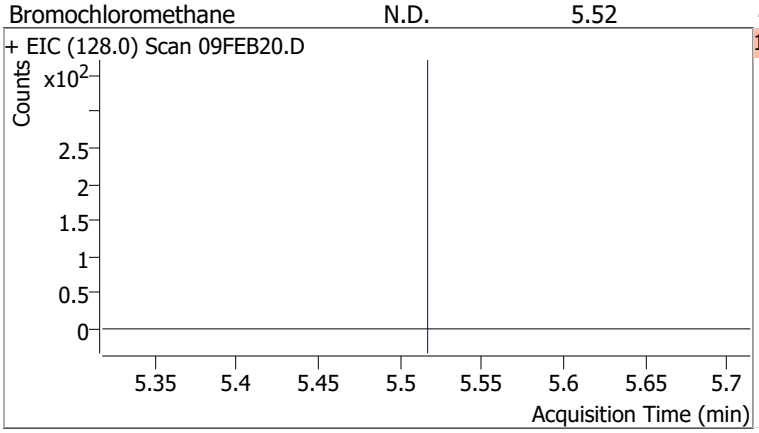


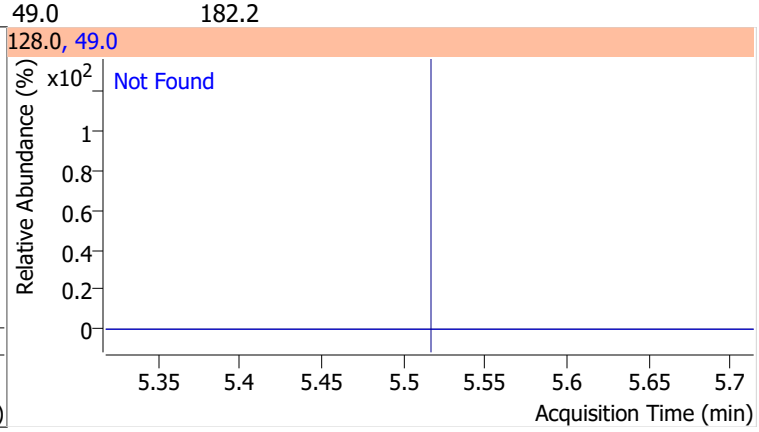
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



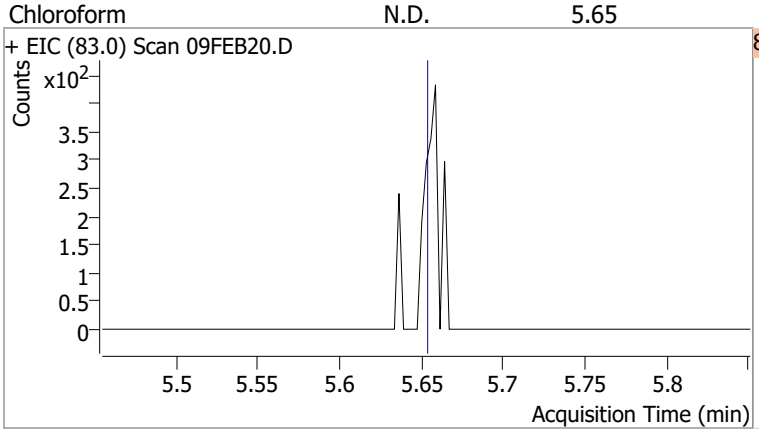


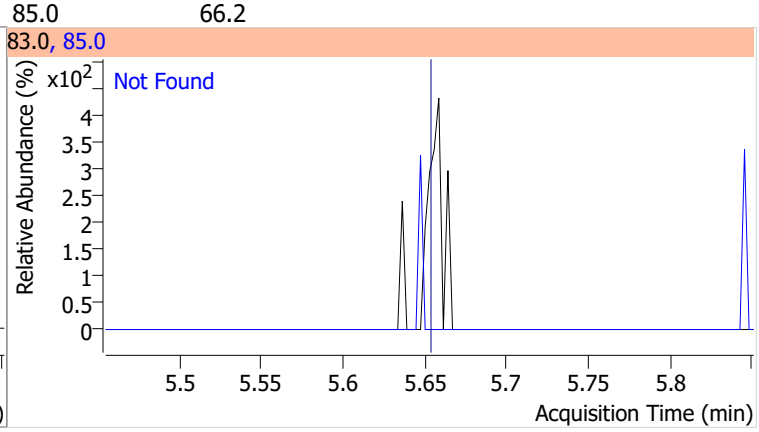
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2



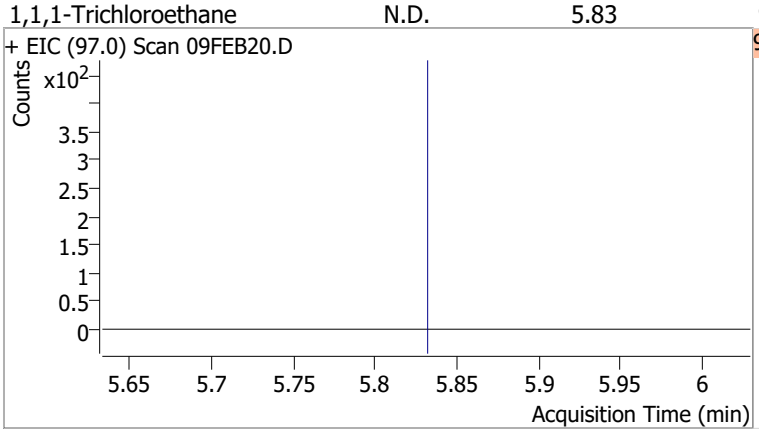


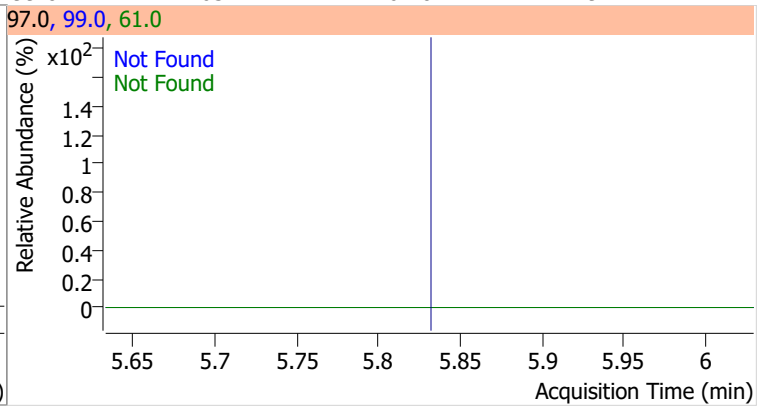
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroform	N.D.	5.65	85.0	66.2



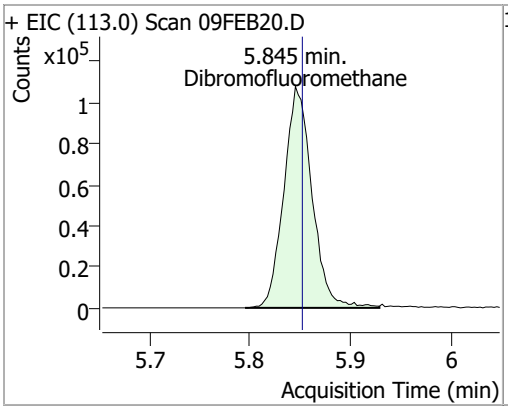


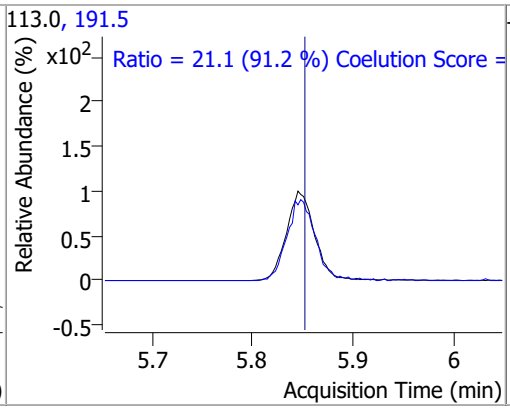
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

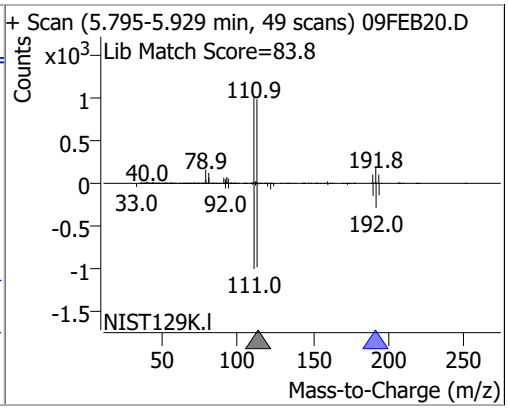




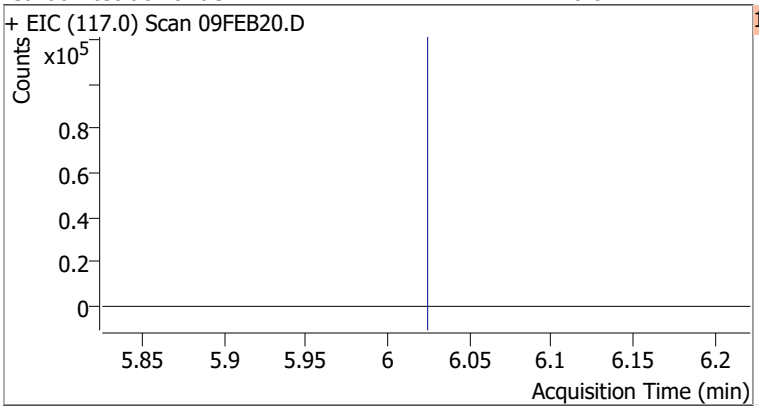
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	281.6963	5.85	-0.01	210471	191.5	21.1	0.0	53.2

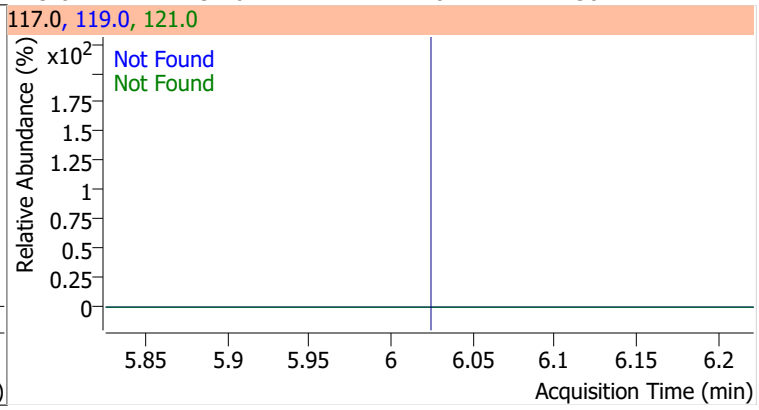




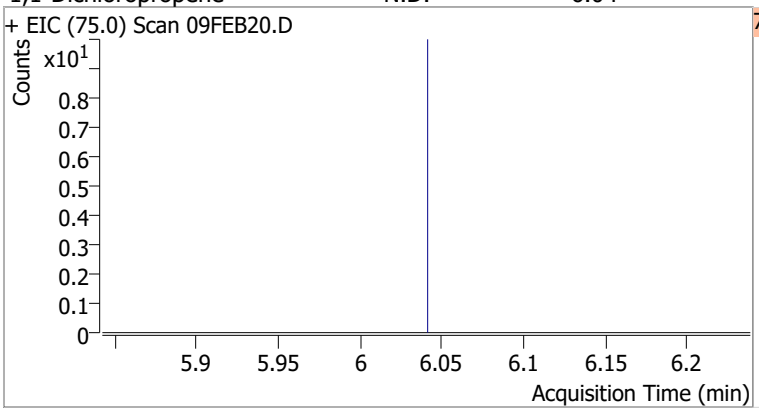


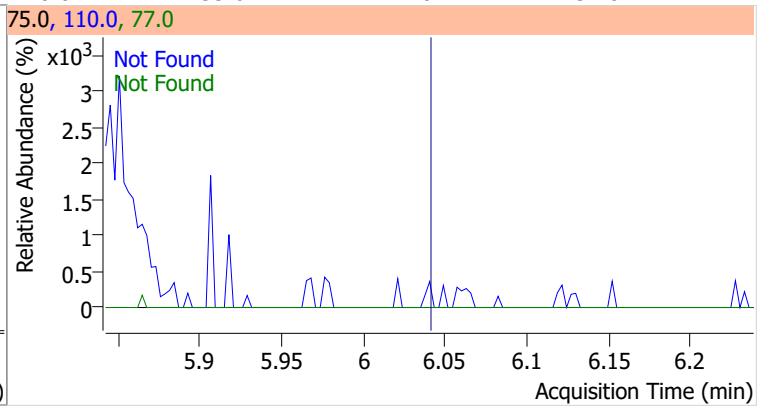
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7





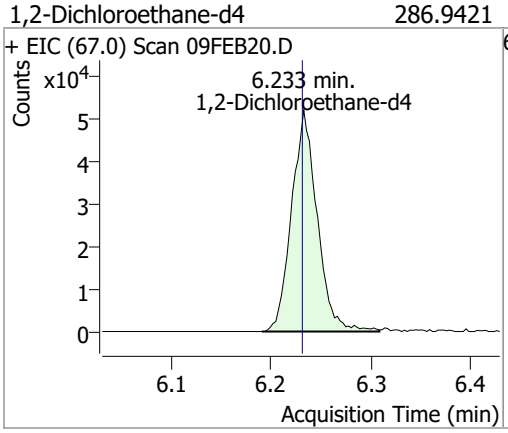
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

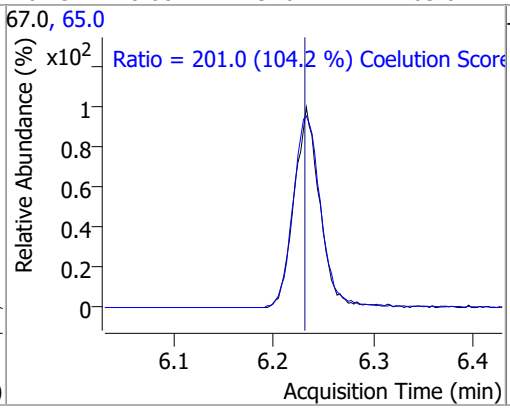


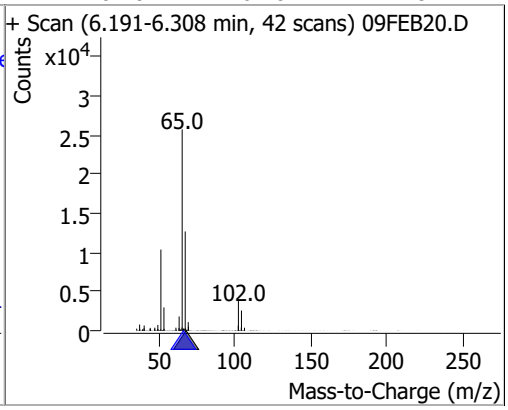


Quantitation Results Report (QT Reviewed)

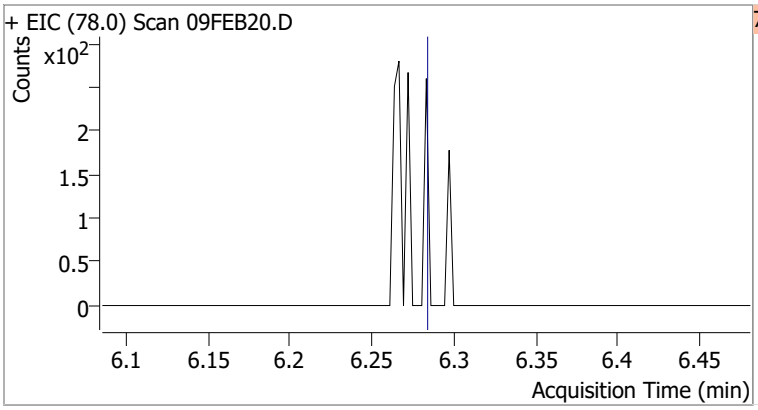
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	286.9421	6.23	0.00	92611	65.0	201.0	162.8	222.8

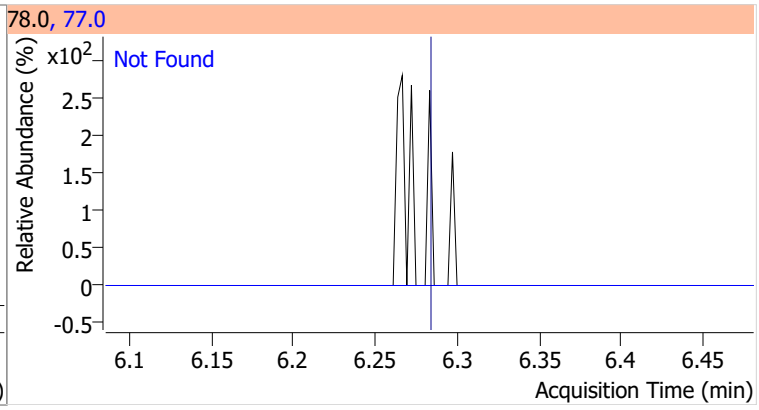




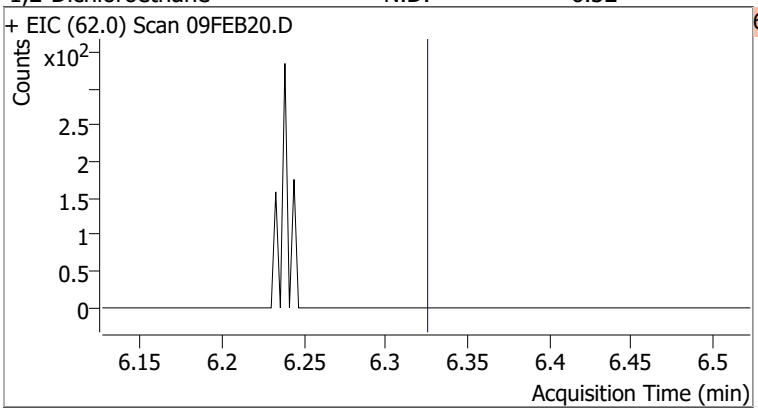


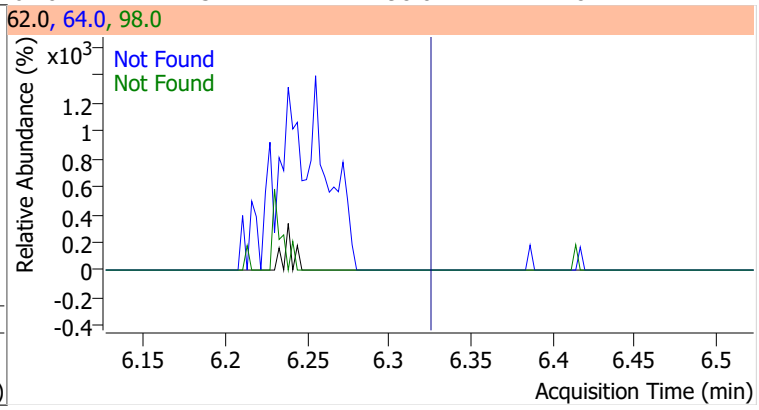
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



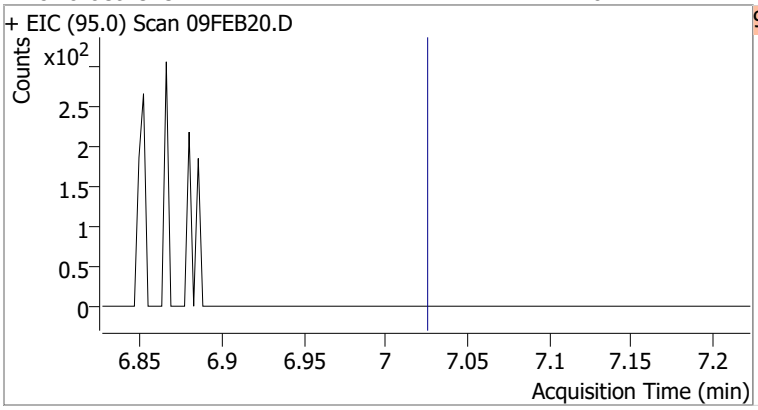


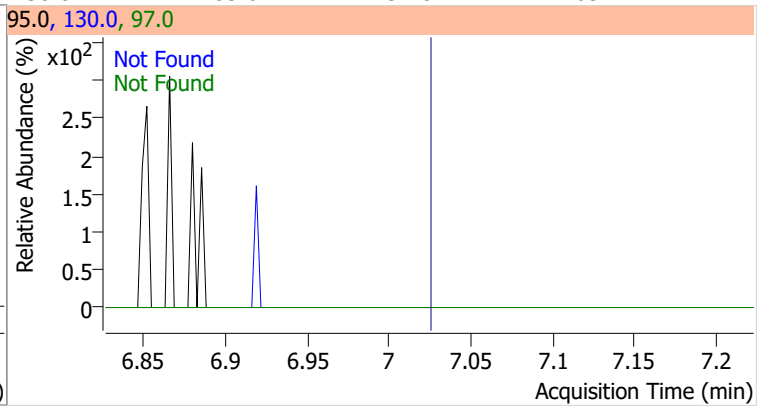
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



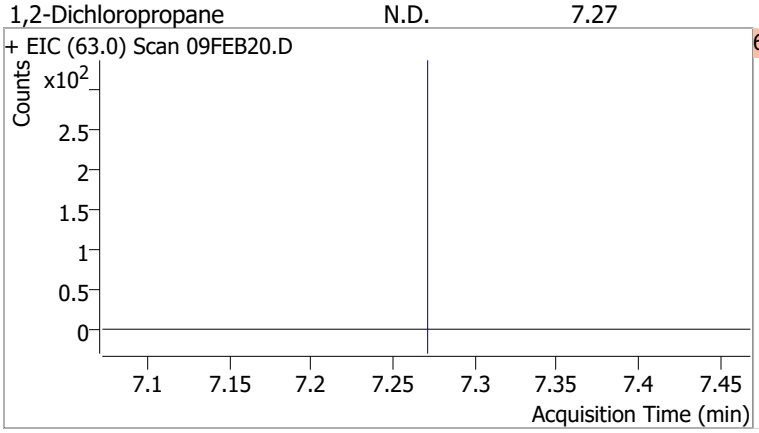


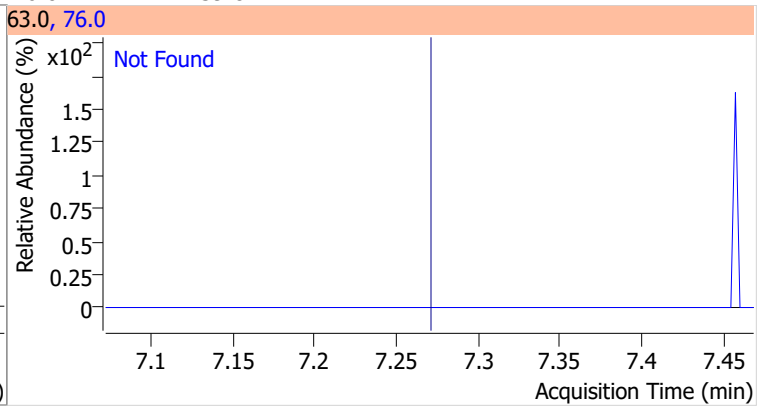
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



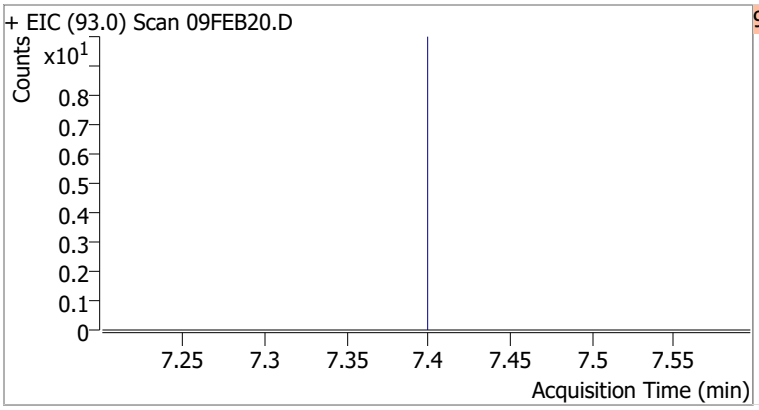


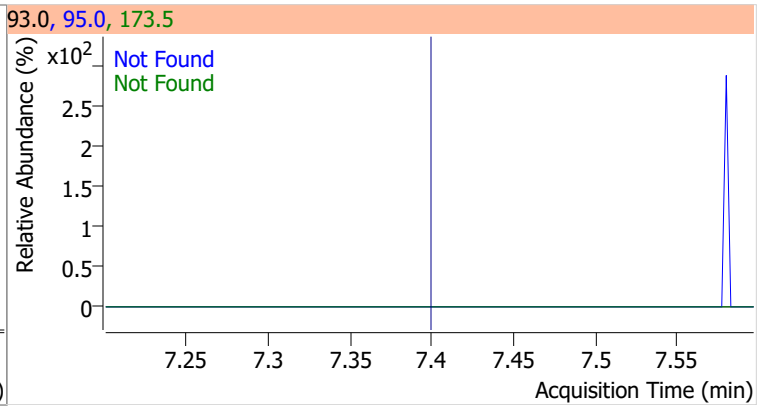
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



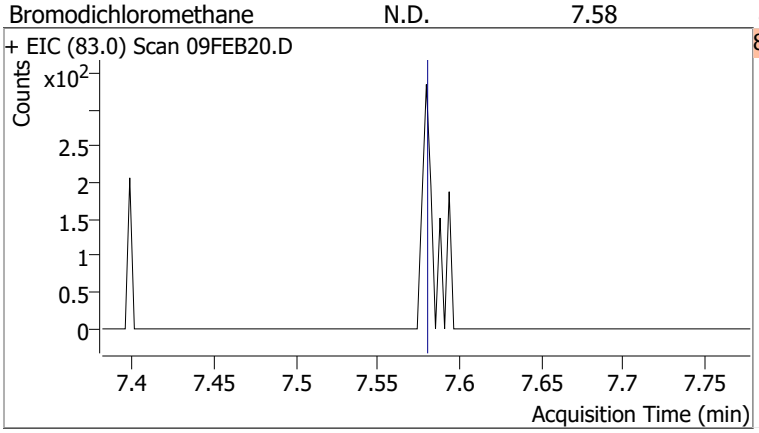


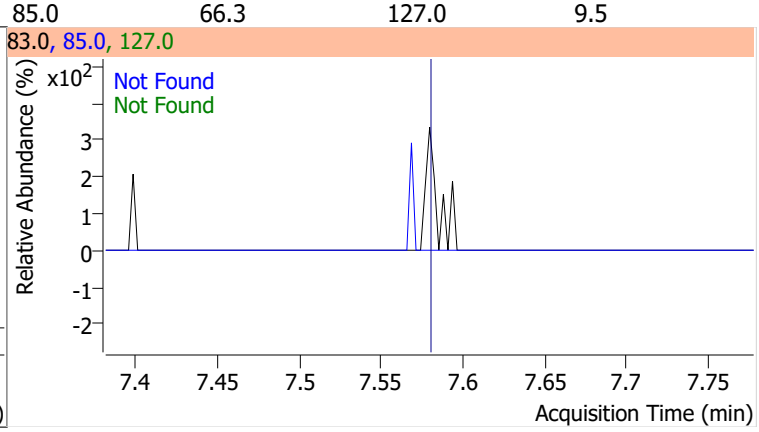
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



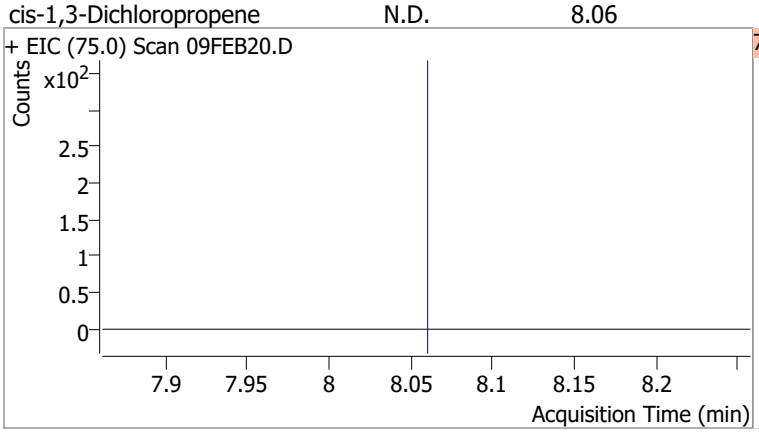


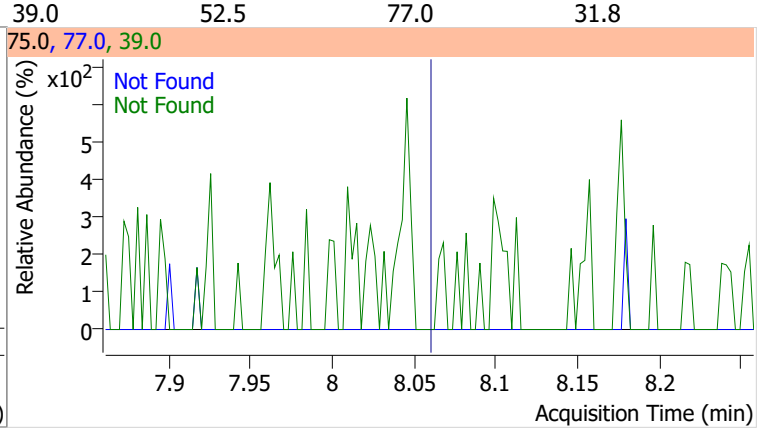
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



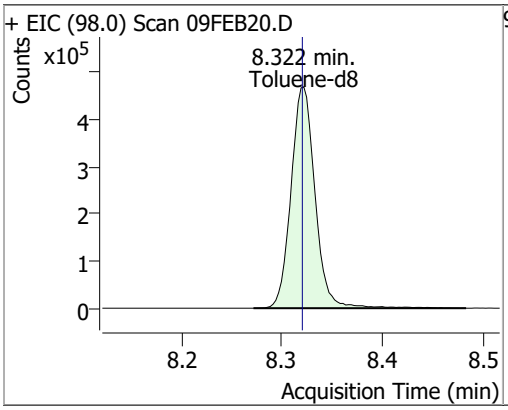


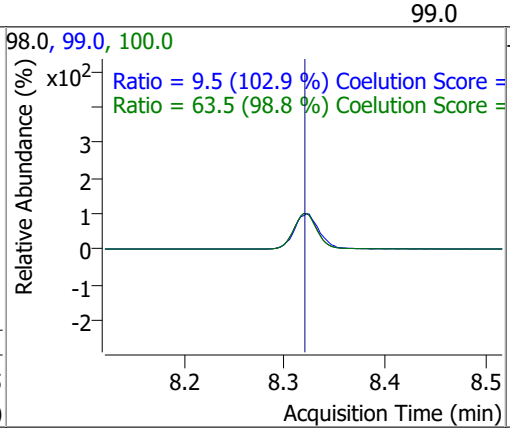
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

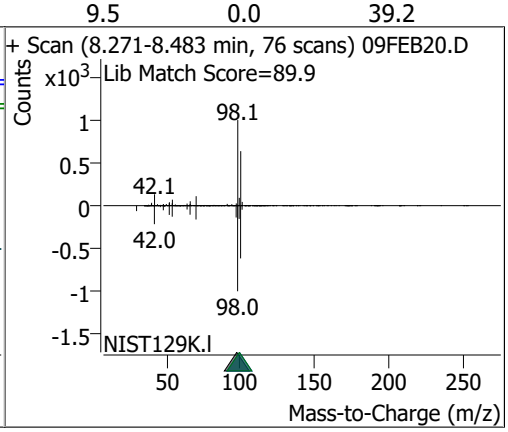




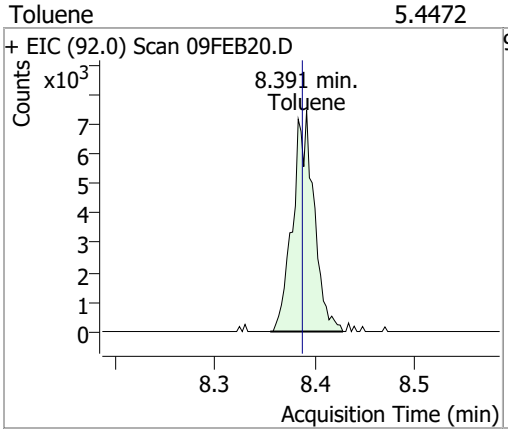
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	257.2651	8.32	0.00	782522	100.0	63.5	34.3	94.3
					99.0	9.5	0.0	39.2

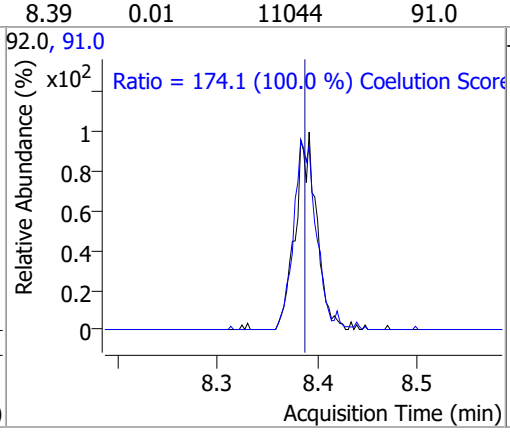


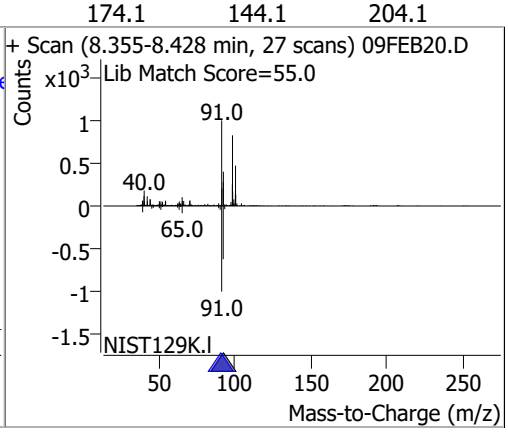




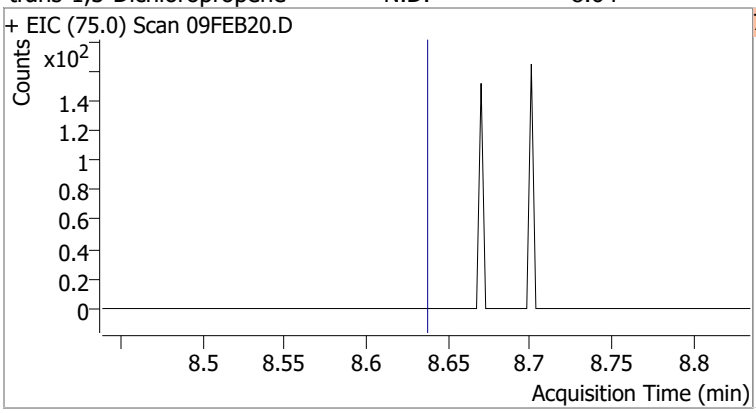
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	5.4472	8.39	0.01	11044	91.0	174.1	144.1	204.1

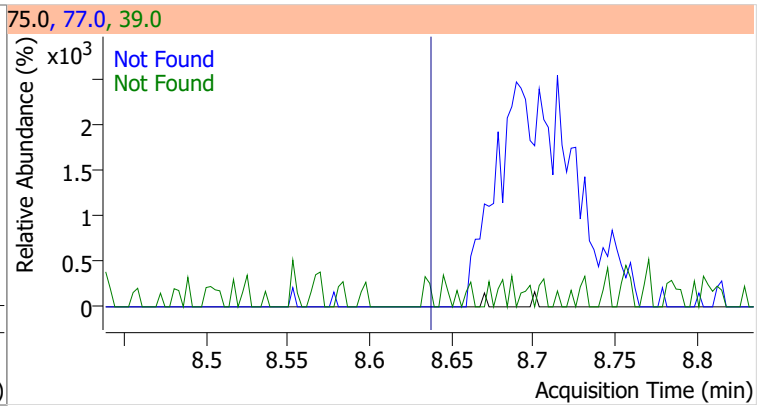




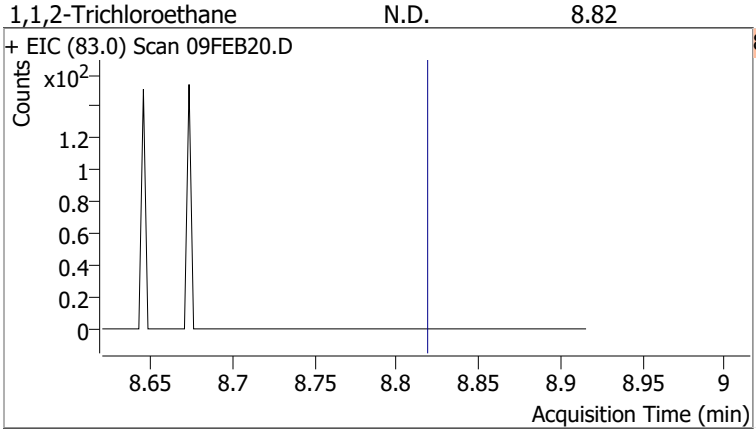


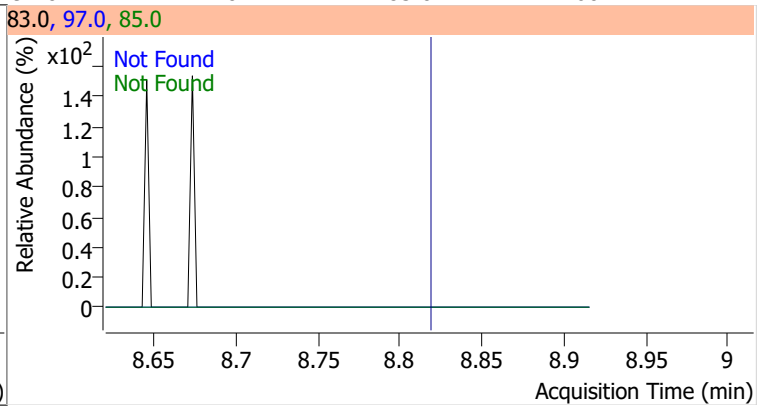
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



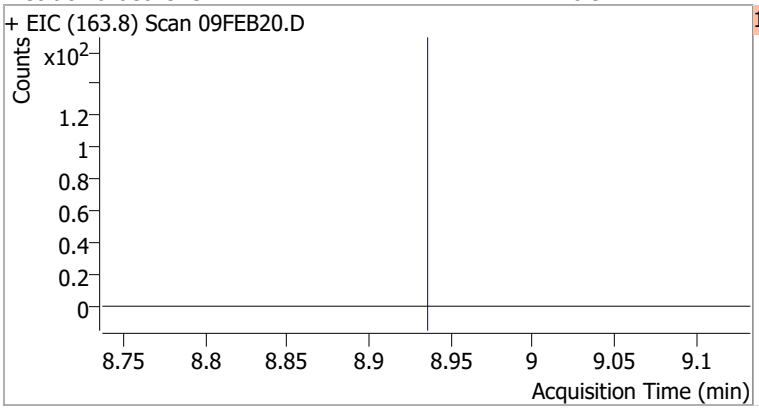


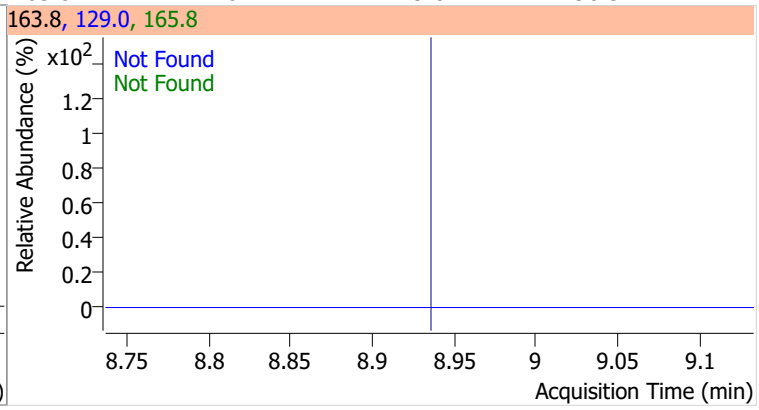
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



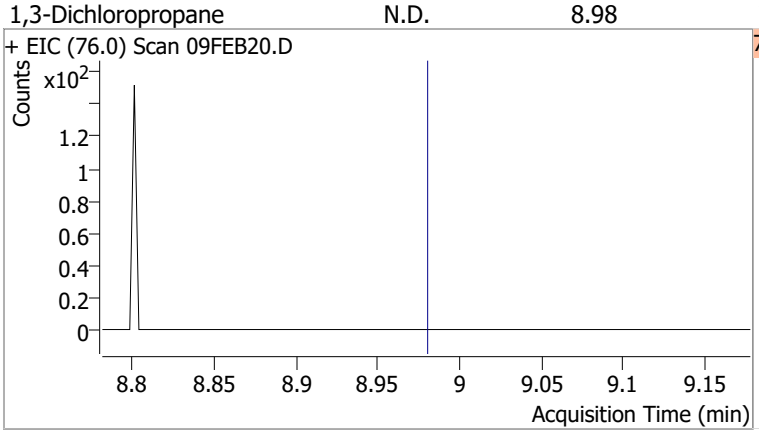


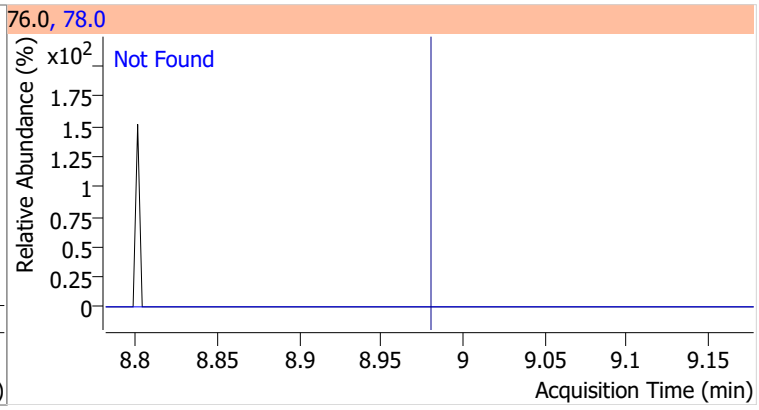
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



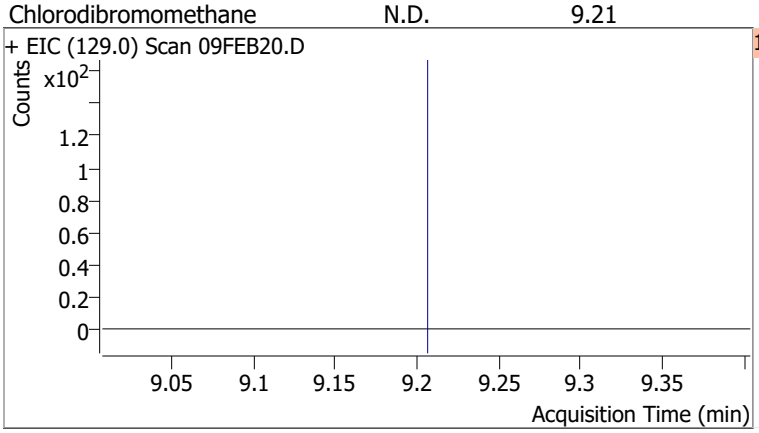


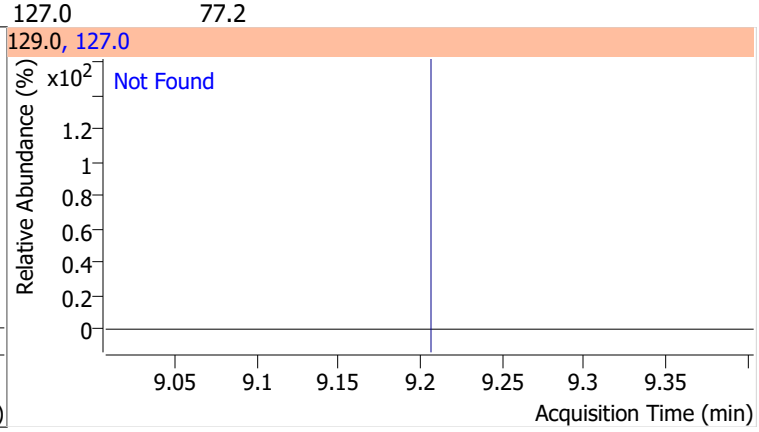
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



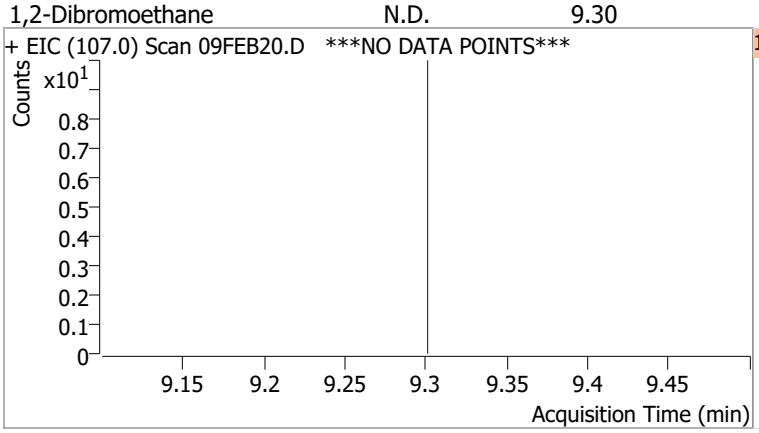


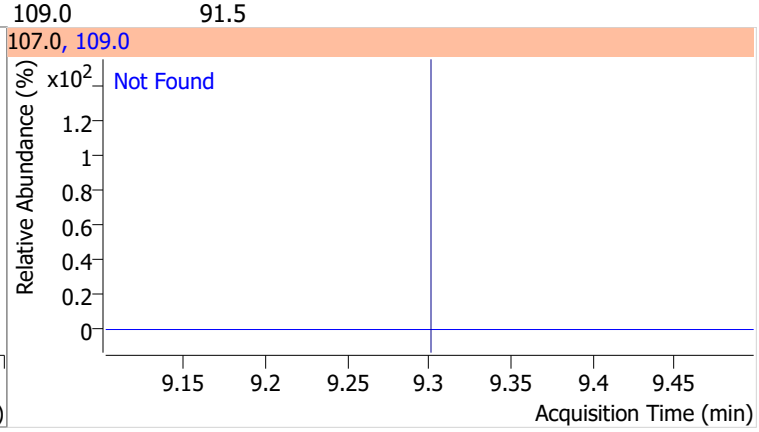
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



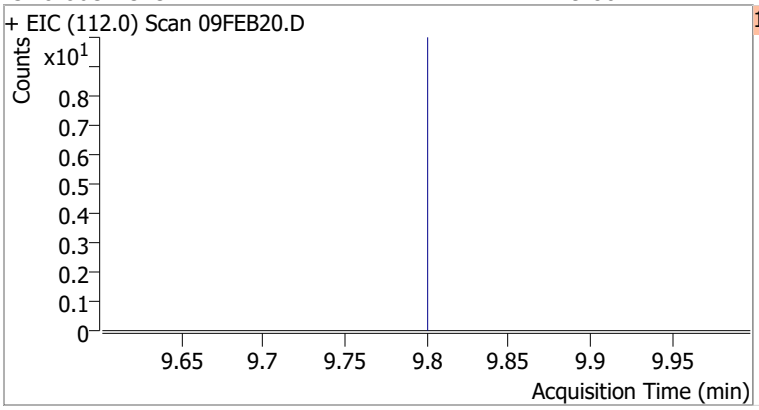


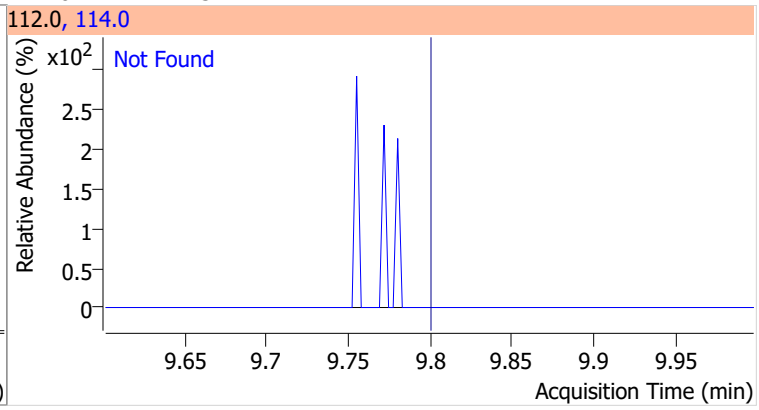
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



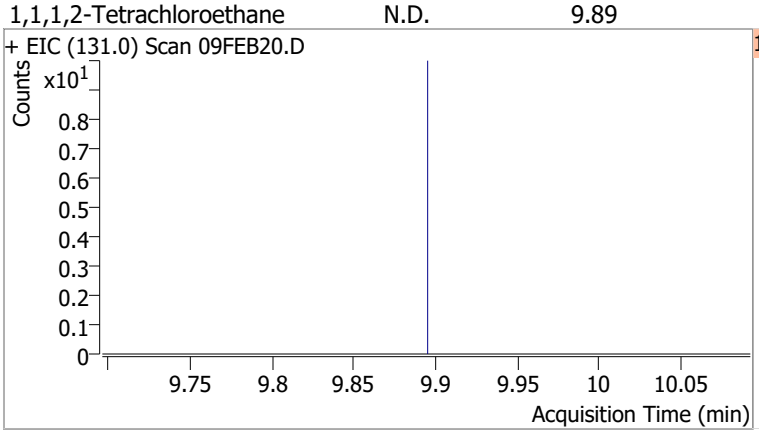


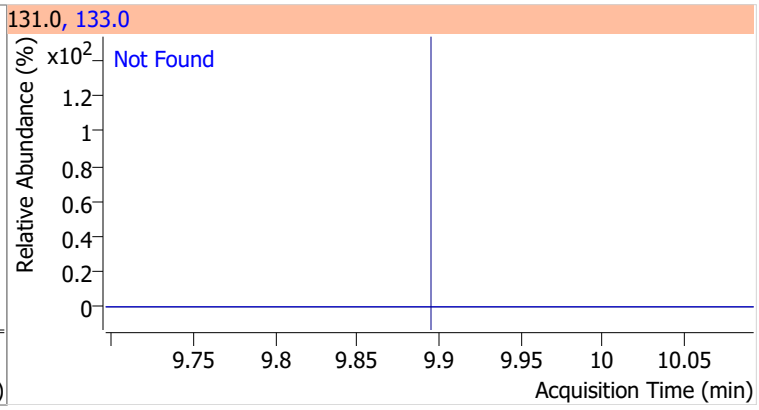
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



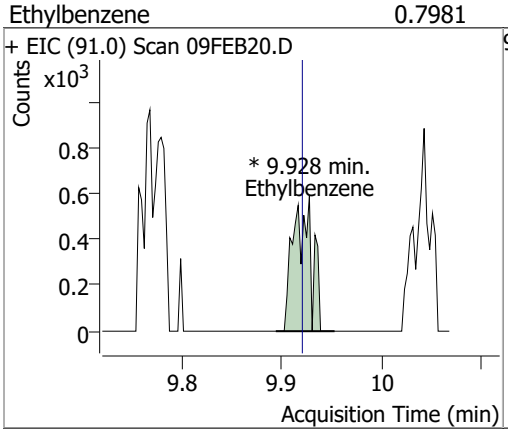


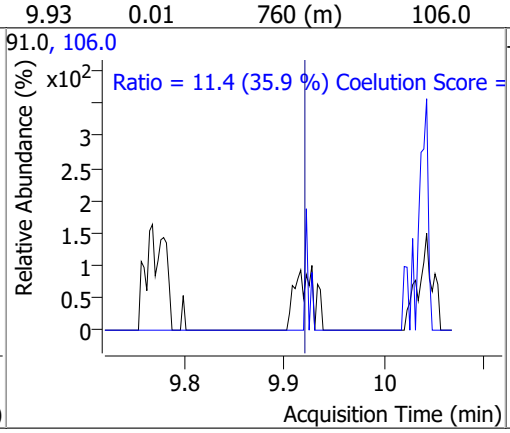
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3

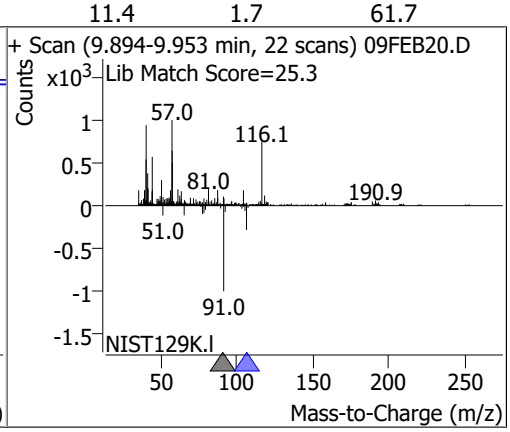




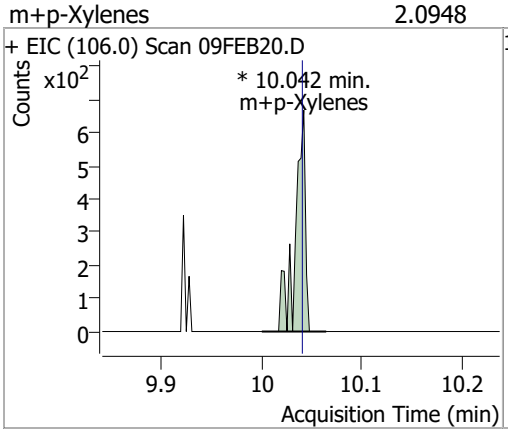
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	0.7981	9.93	0.01	760 (m)	106.0	11.4	1.7	61.7

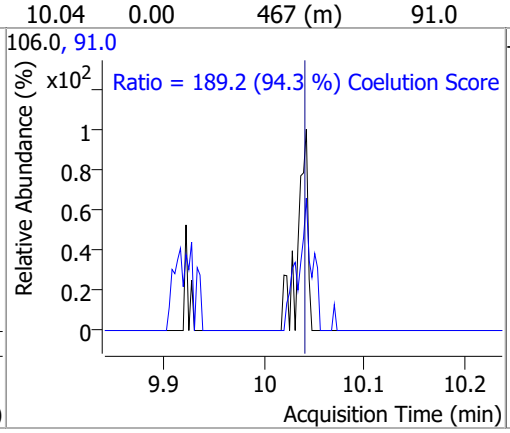


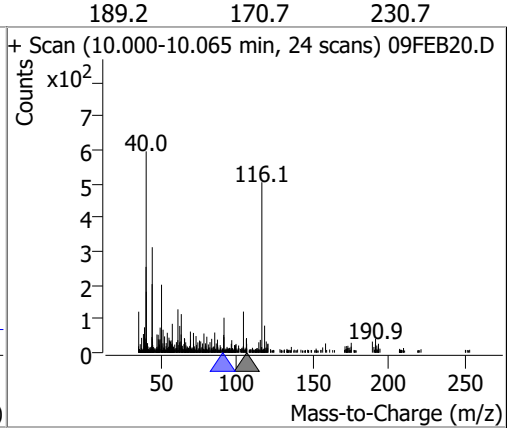




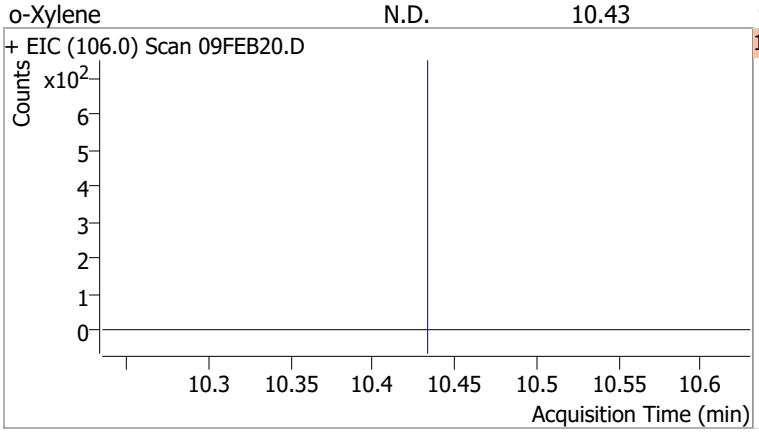
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	2.0948	10.04	0.00	467 (m)	91.0	189.2	170.7	230.7

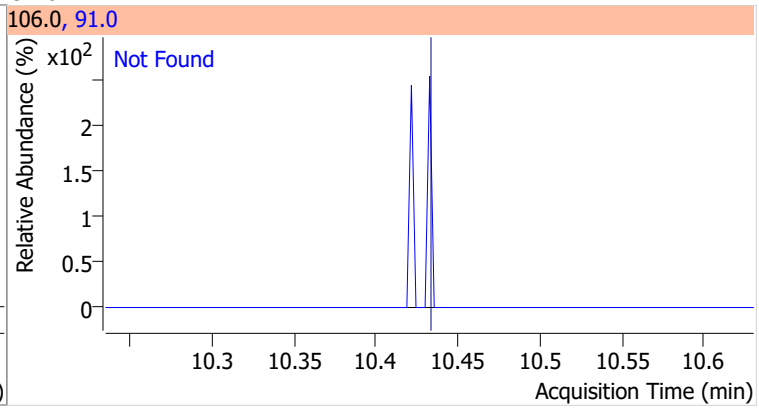




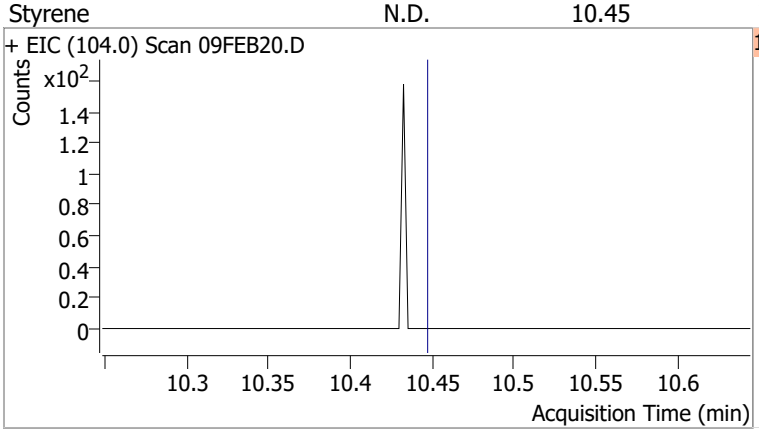


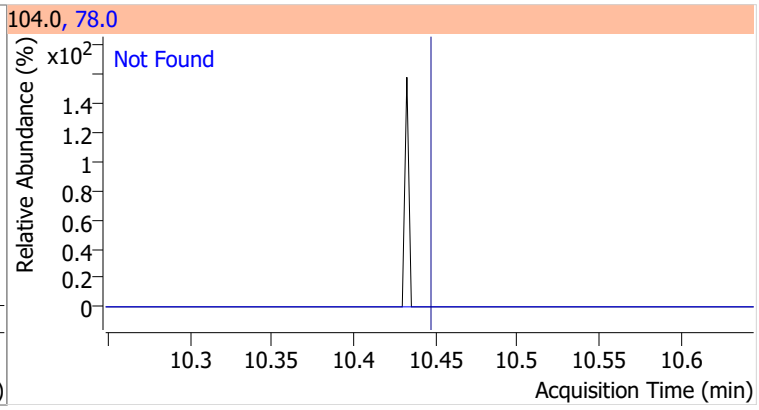
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



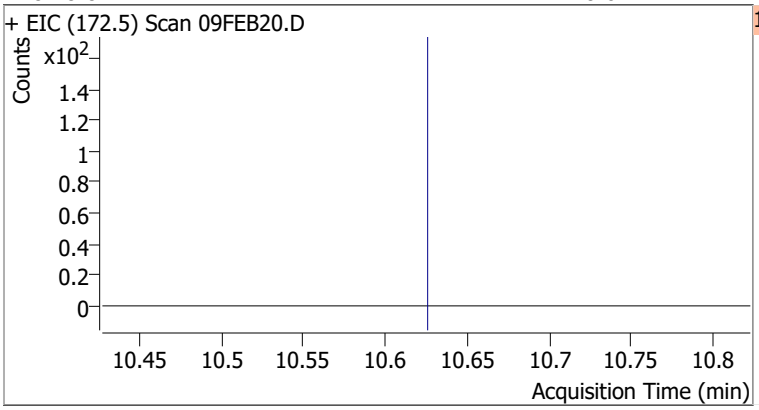


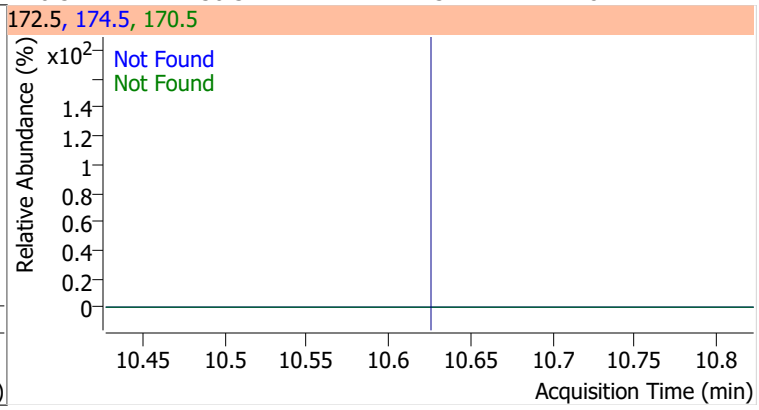
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



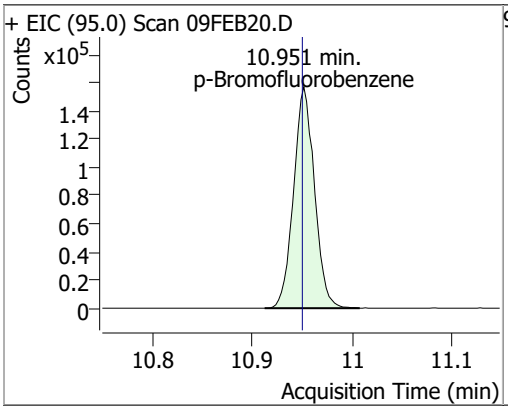


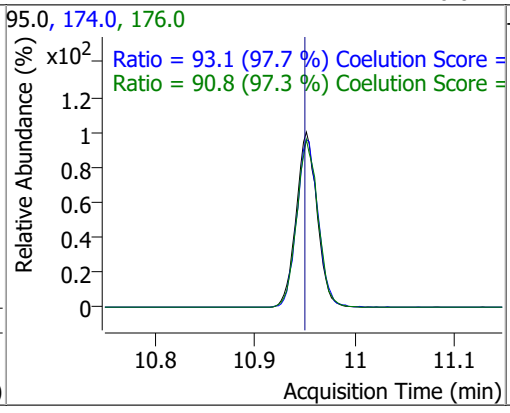
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

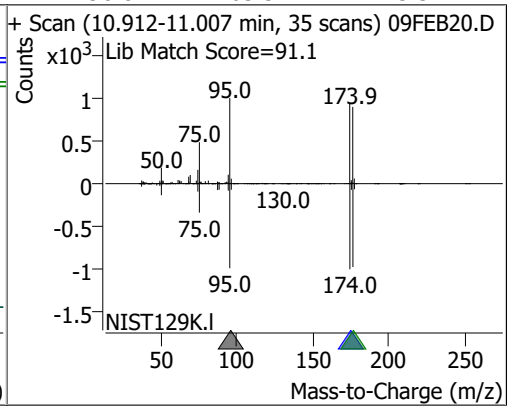




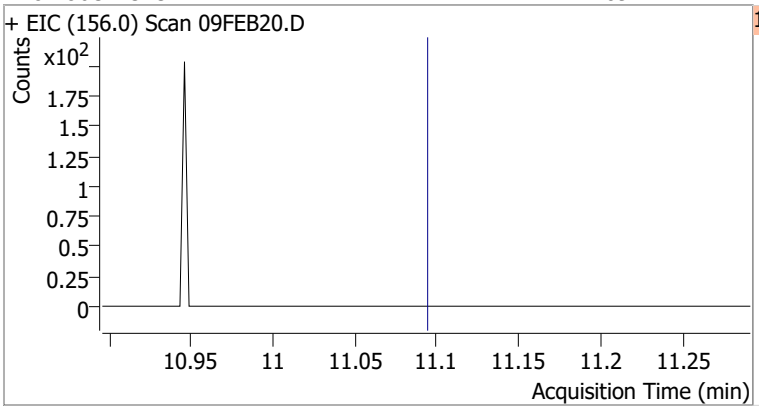
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	268.8335	10.95	0.00	227091	174.0	93.1	65.3	125.3
					176.0	90.8	63.3	123.3

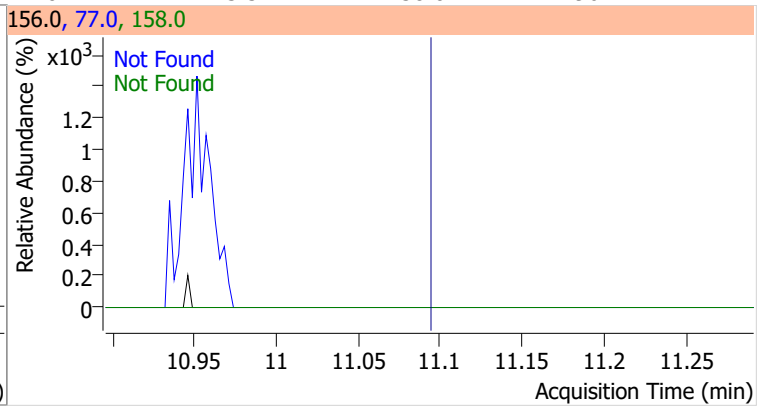




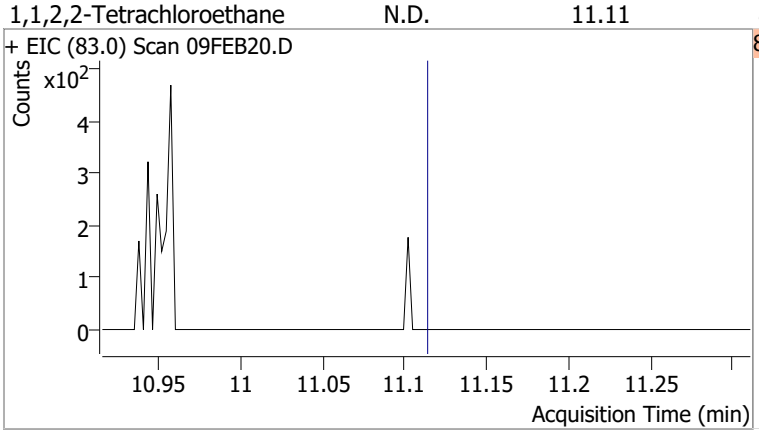


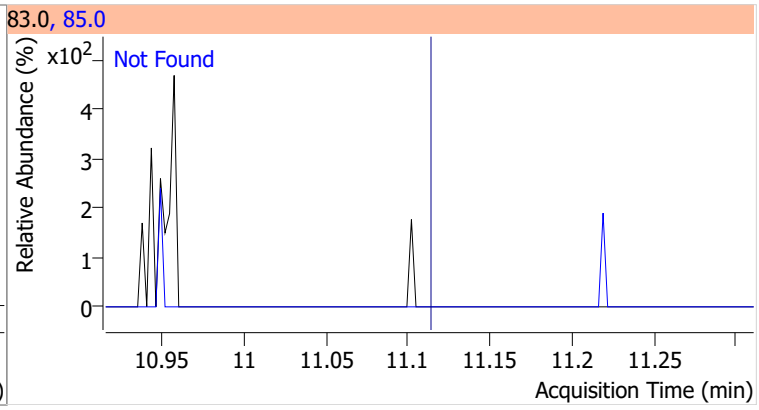
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



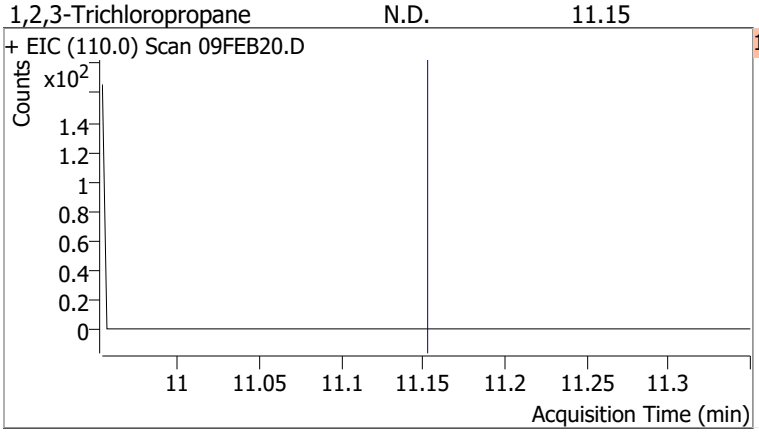


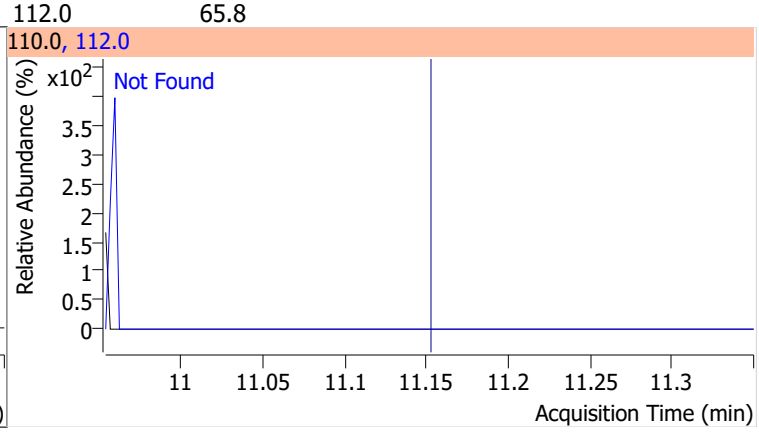
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



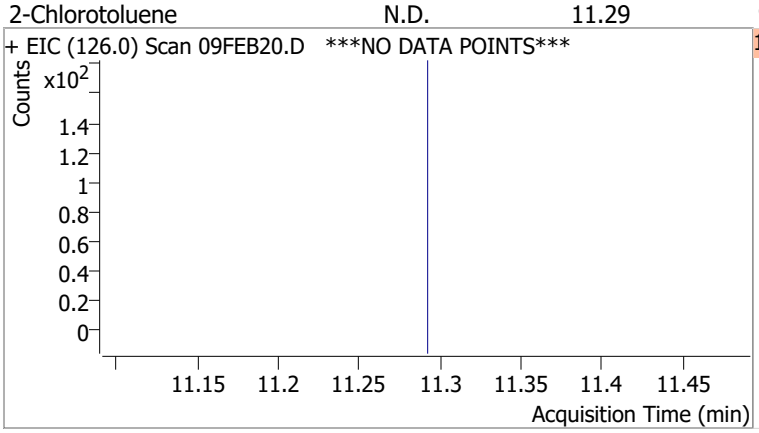


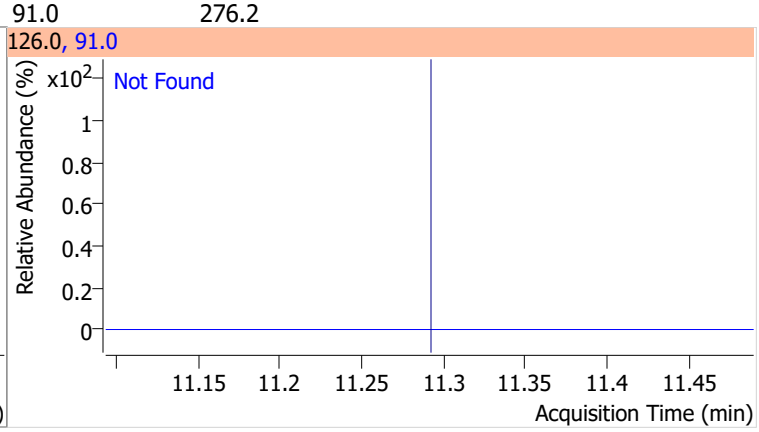
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



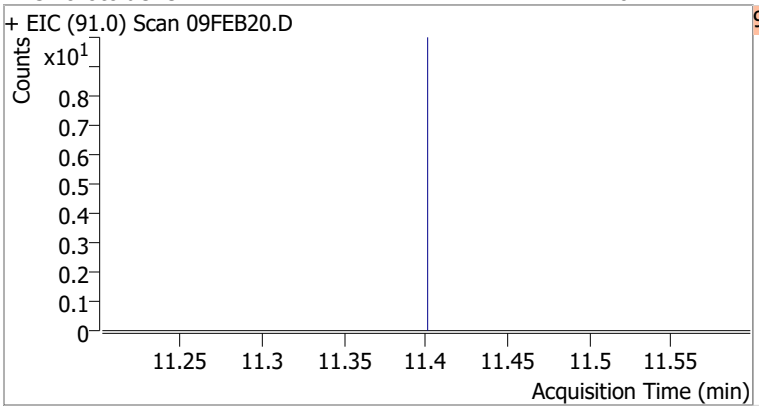


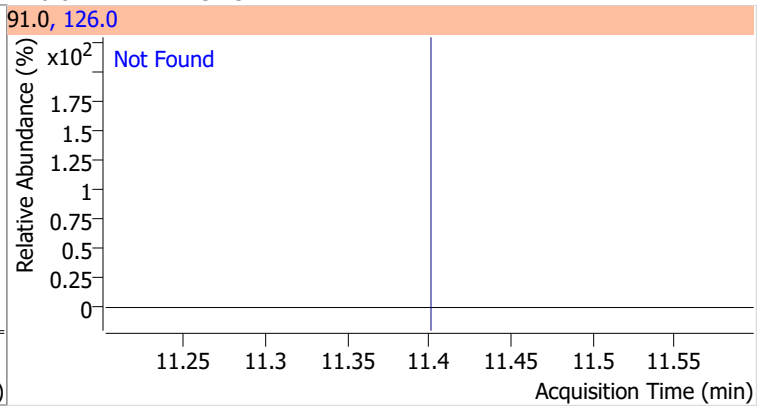
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



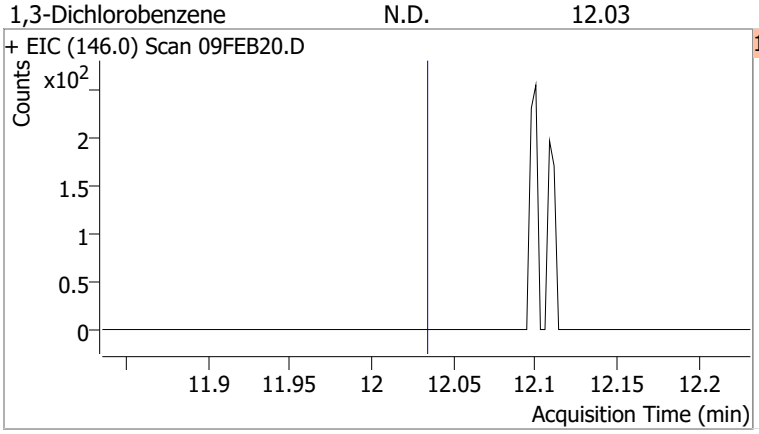


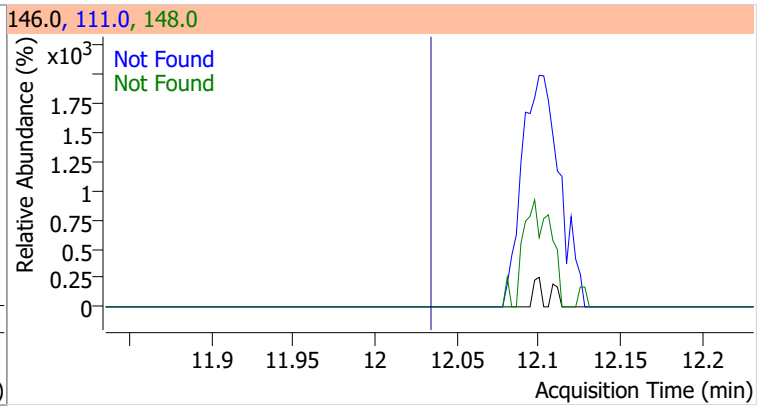
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



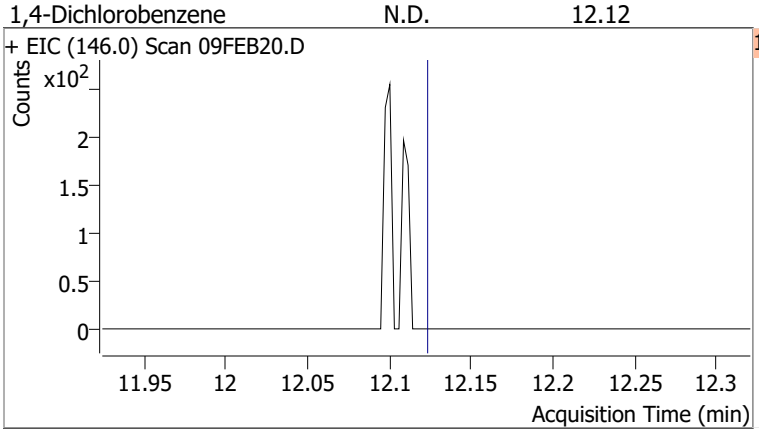


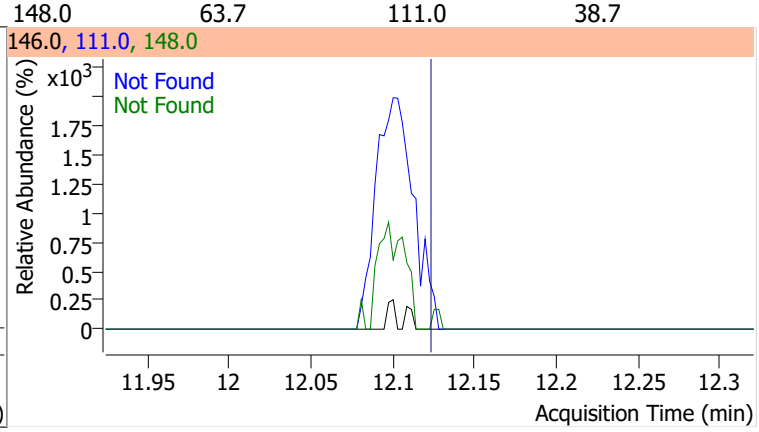
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



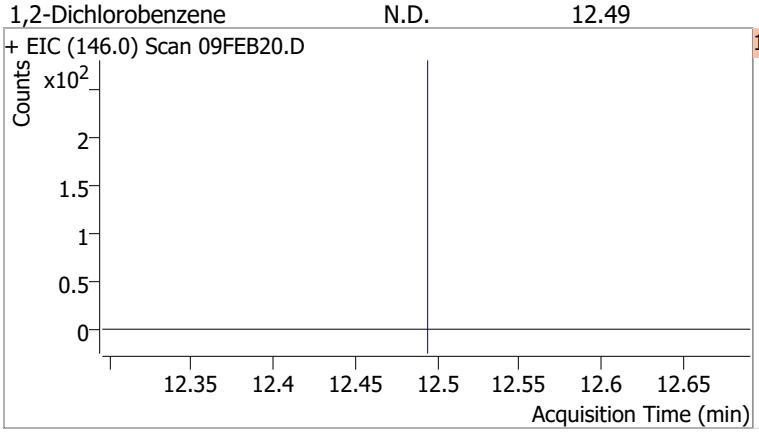


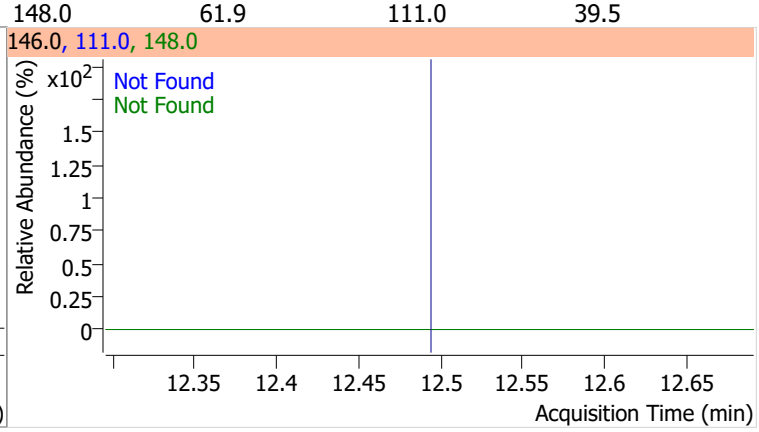
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





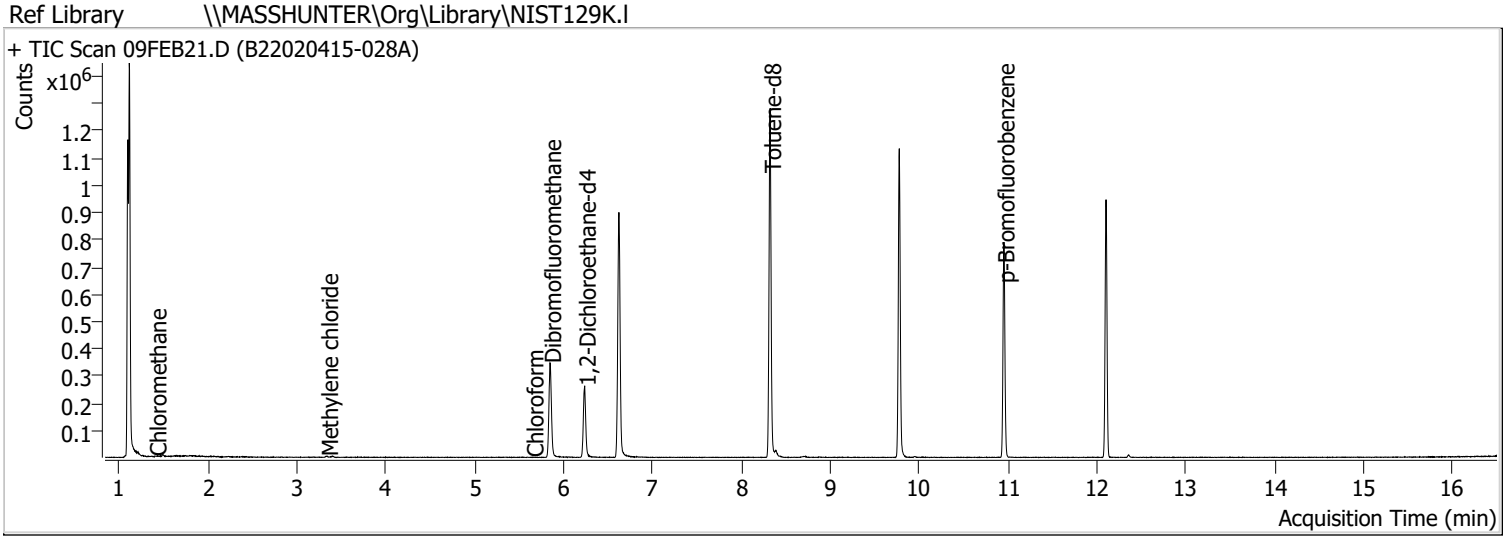
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB21.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 2:45:20 PM
Sample Name	B22020415-028A	Instrument	VOA5975C
Vial	21	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

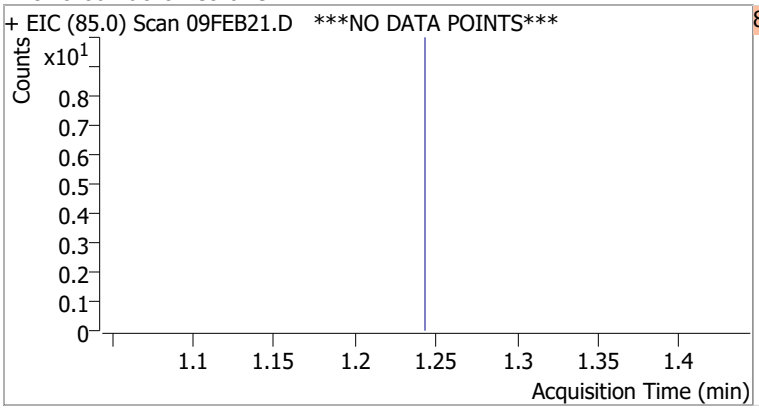


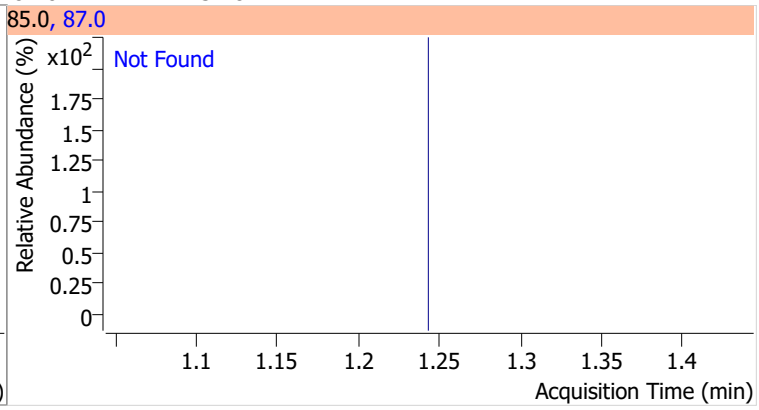
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	764437	250.0000	ng		0.000
M Chlorobenzene-d5	9.774	82.0	299855	250.0000	ng		0.000
M 1,4-Dichlorobenzene-d4	12.103	152.0	225934	250.0000	ng		0.003
System Monitoring Compounds							
S Dibromofluoromethane	5.845	113.0	204244	275.8488	ng		-0.006
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 110.34%			
S 1,2-Dichloroethane-d4	6.236	67.0	91746	286.8479	ng		0.005
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 114.74%			
S Toluene-d8	8.321	98.0	762705	260.7205	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 104.29%			
S p-Bromofluorobenzene	10.948	95.0	221705	265.7693	ng		0.000
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 106.31%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	1.408	50.0	485	0.4011	ng	m	72
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.338	49.0	2611	2.3364	ng	m	94
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	5.647	83.0	403	0.2717	ng	m	89

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	8.377	92.0	0		ng	md	1
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	0.000		0	N.D.			
T o-Xylene	0.000		0	N.D.			
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

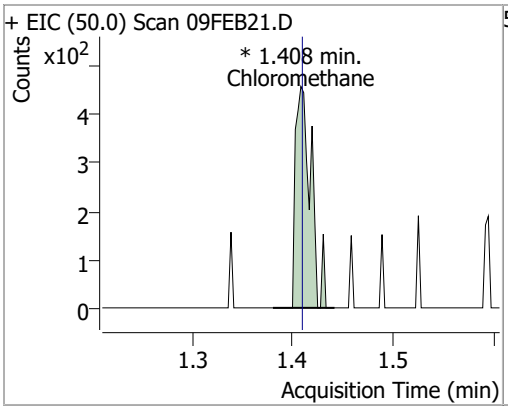
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

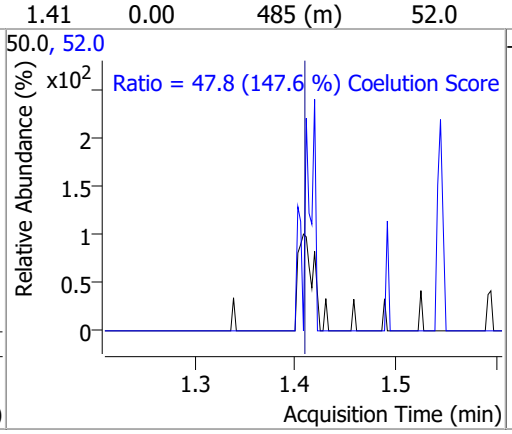
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8

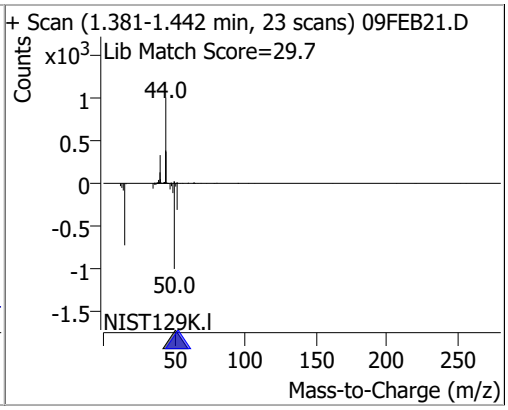




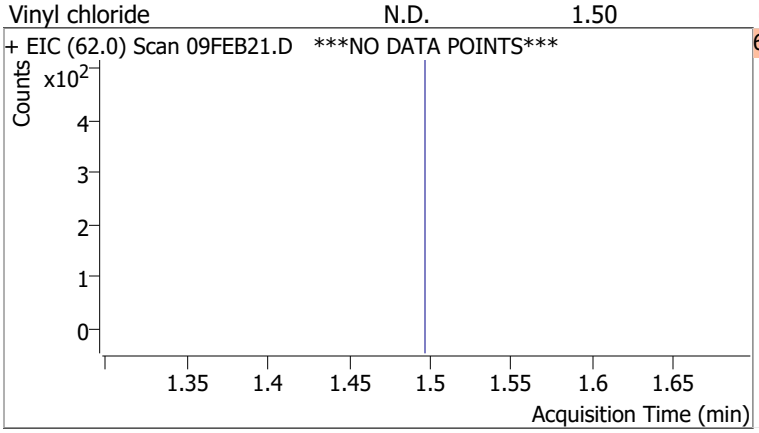
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	0.4011	1.41	0.00	485 (m)	52.0	47.8	2.4	62.4

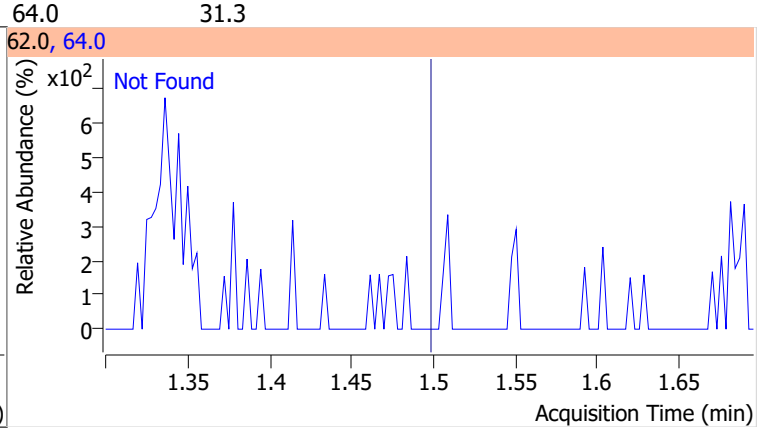




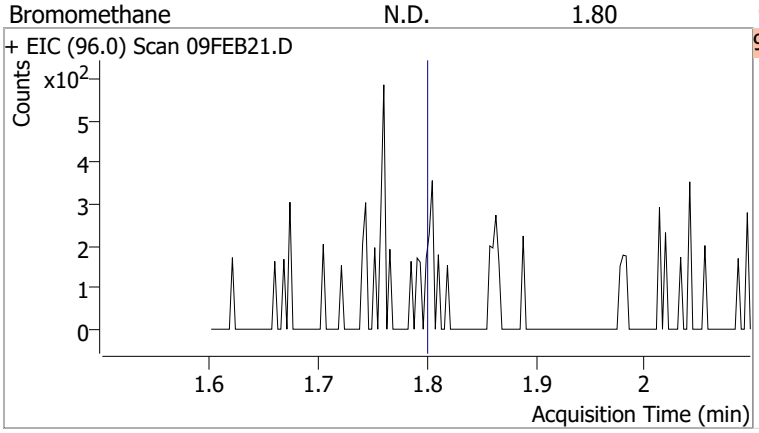


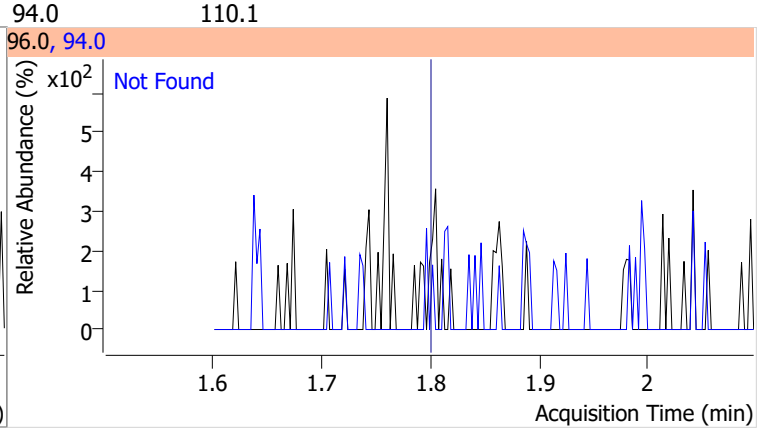
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



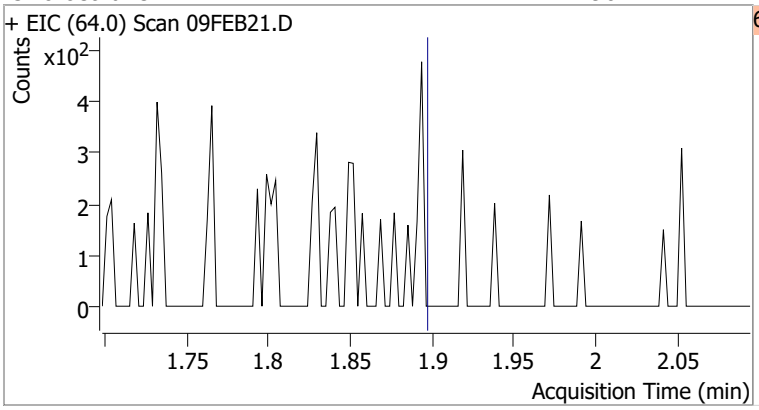


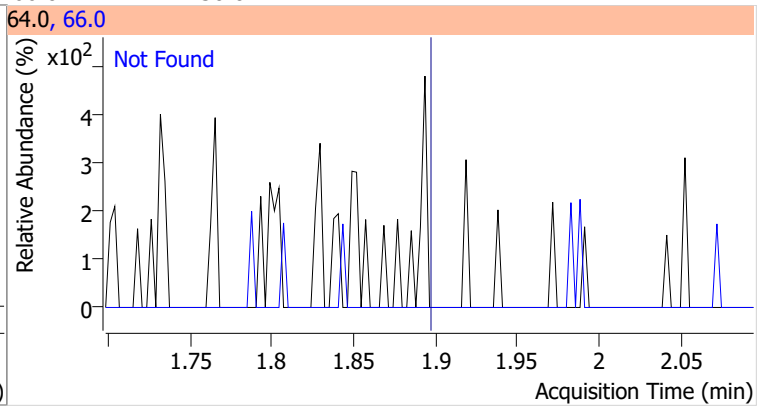
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



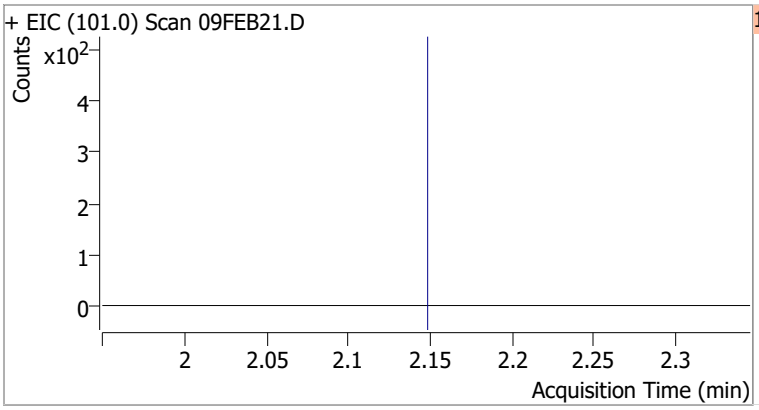


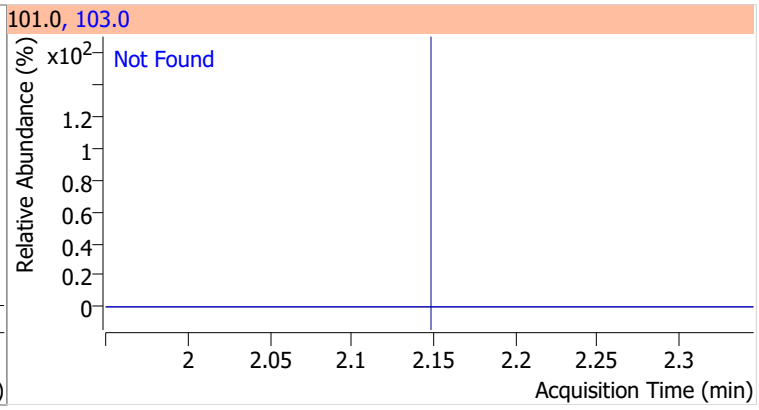
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



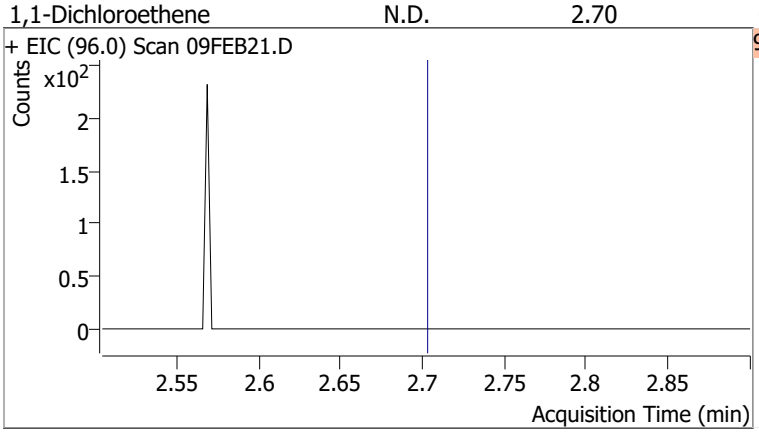


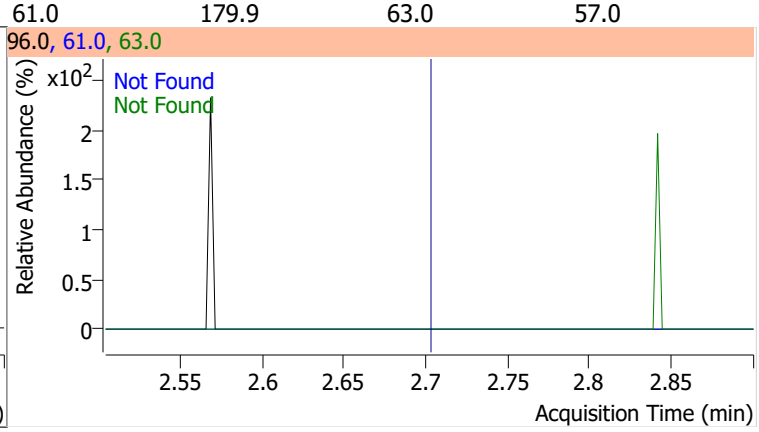
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



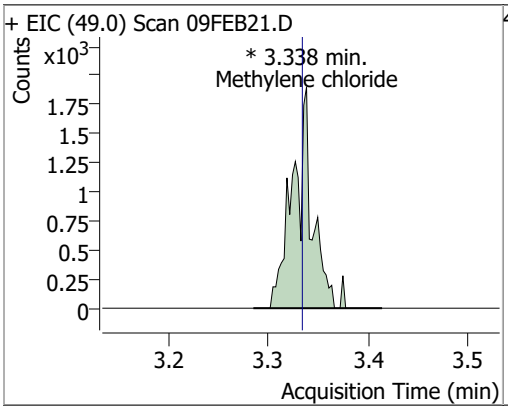


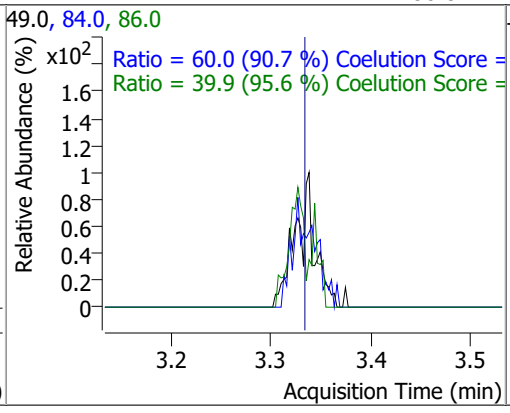
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

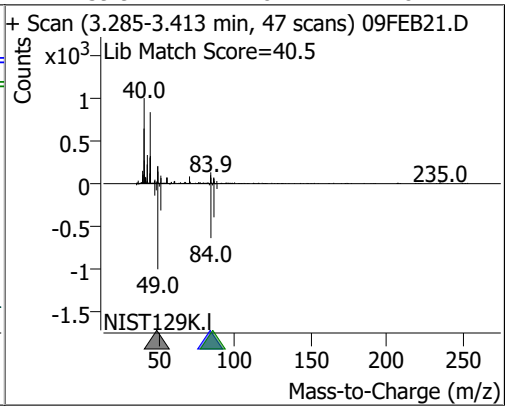




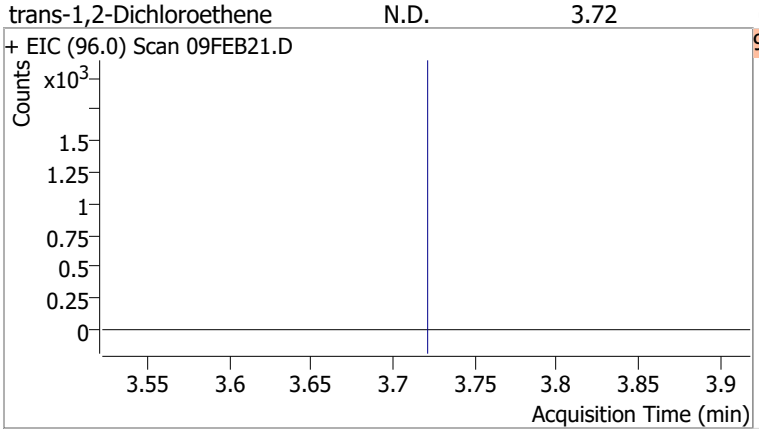
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	2.3364	3.34	0.01	2611 (m)	84.0	60.0	36.1	96.1
					86.0	39.9	11.8	71.8

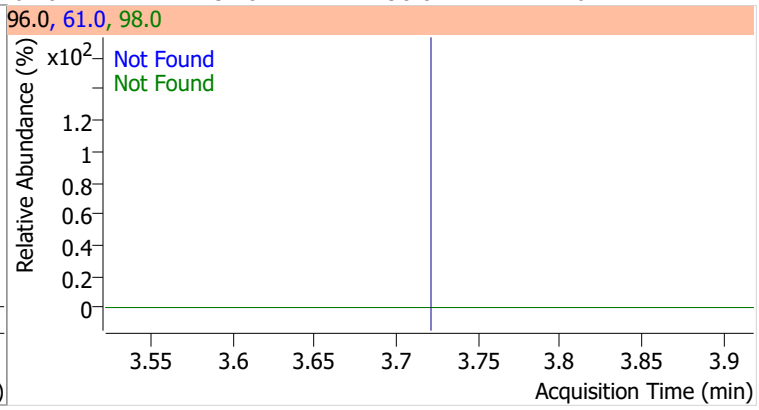




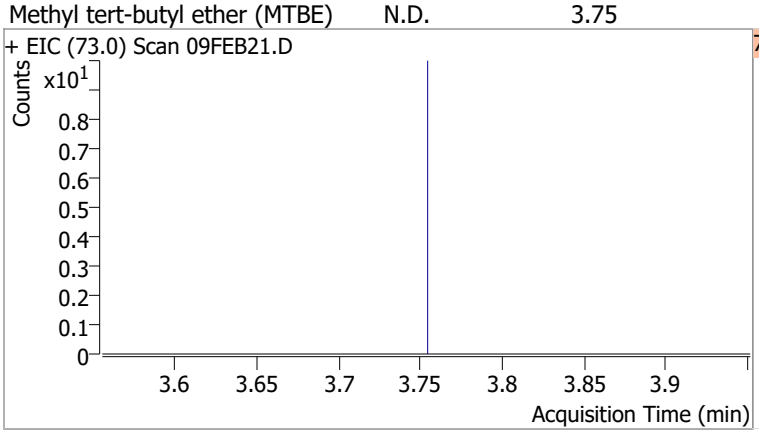


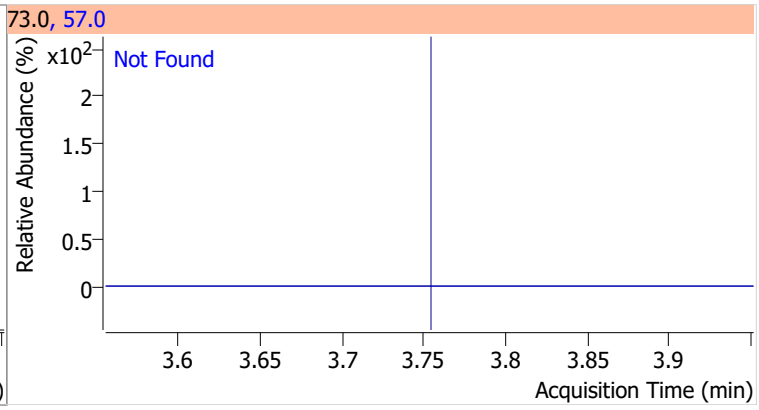
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



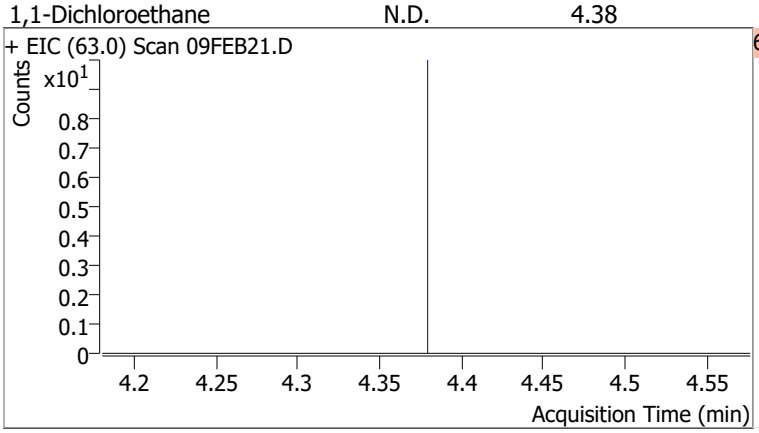


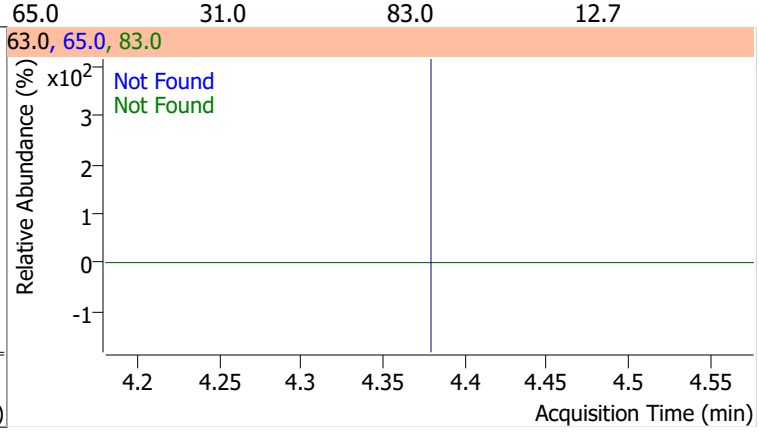
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



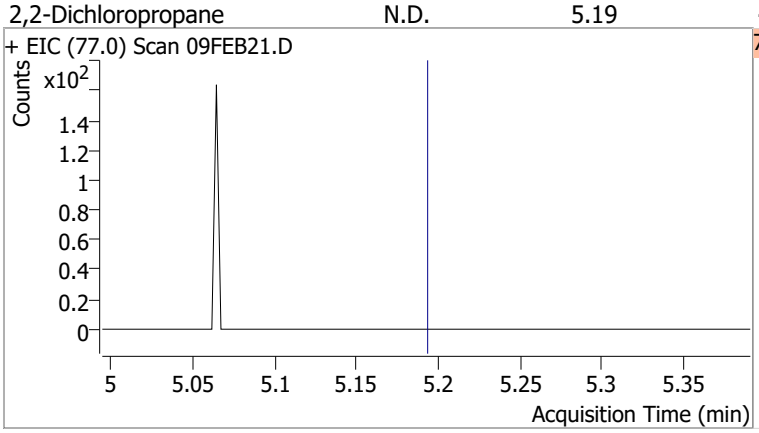


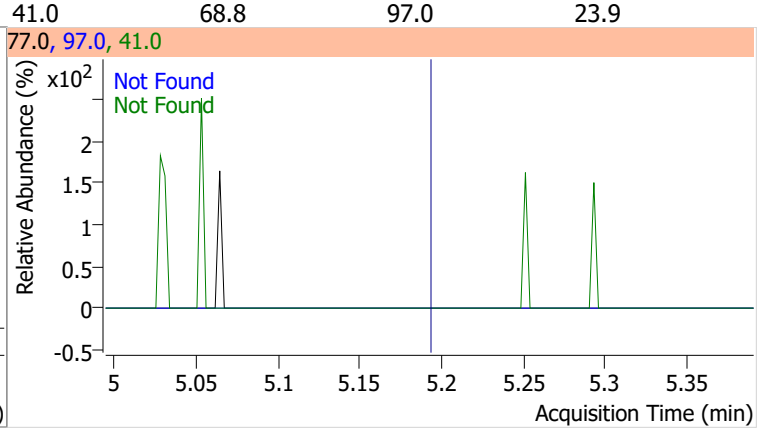
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



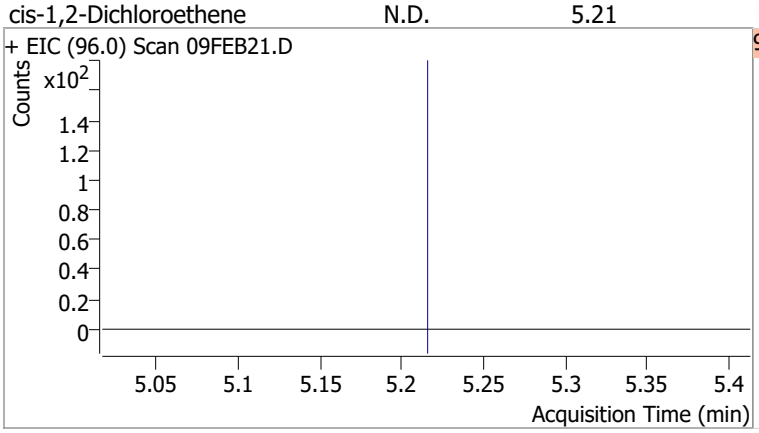


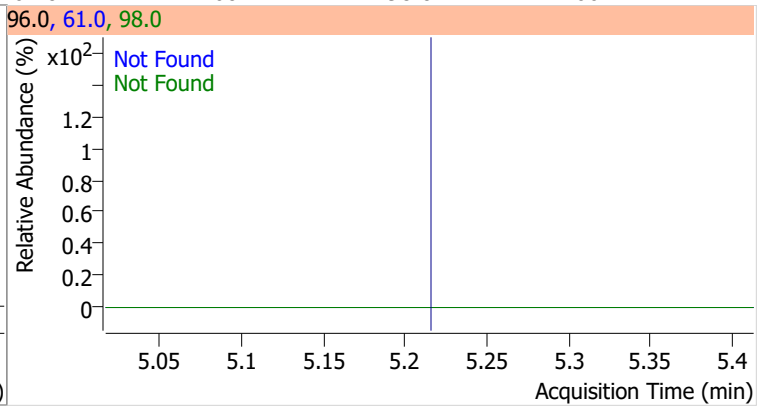
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



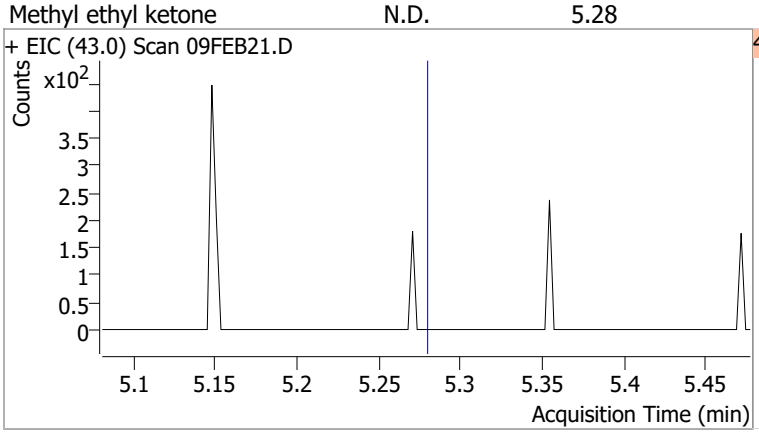


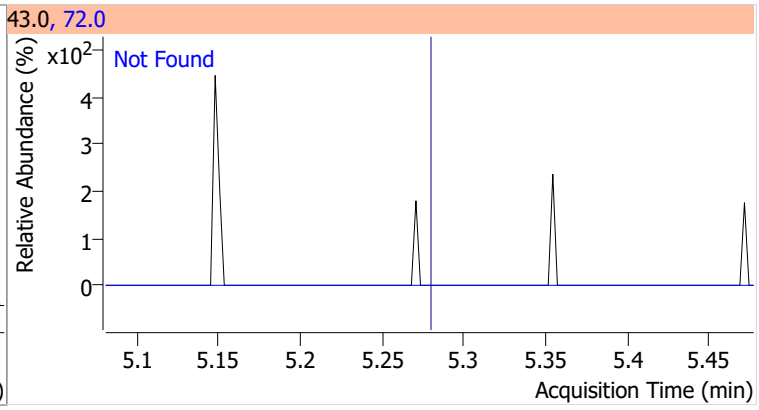
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



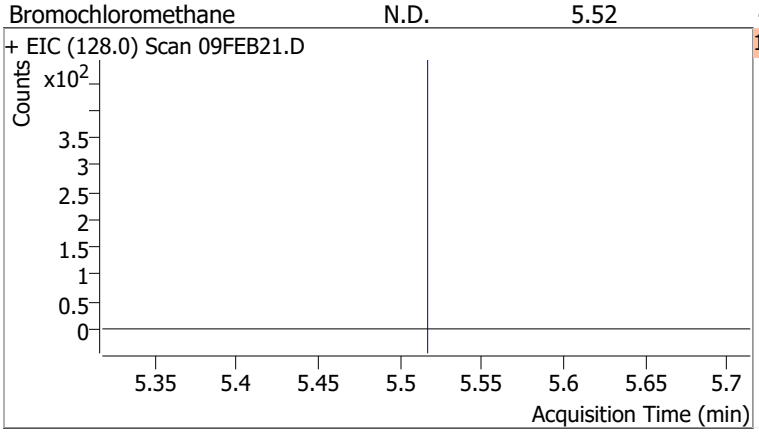


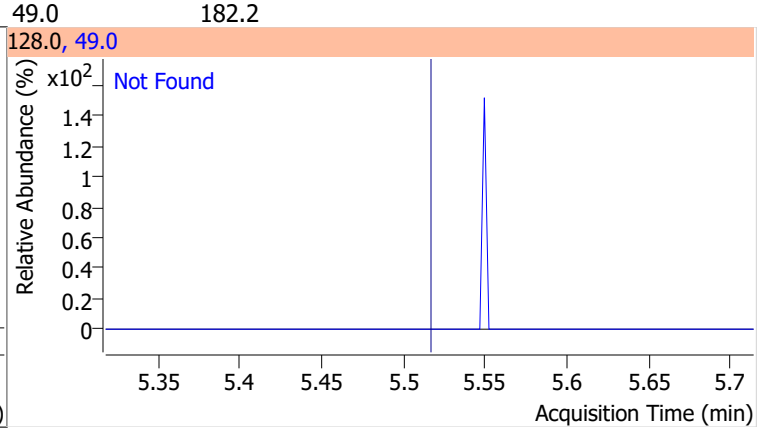
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



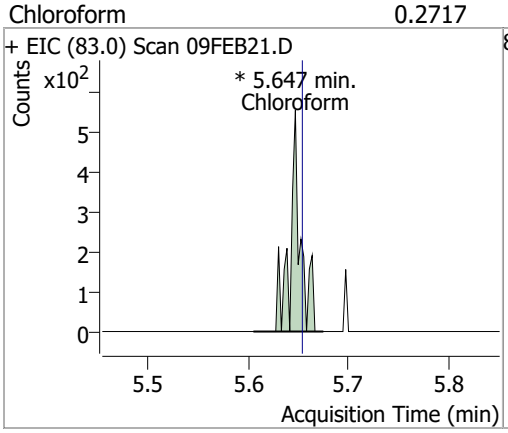


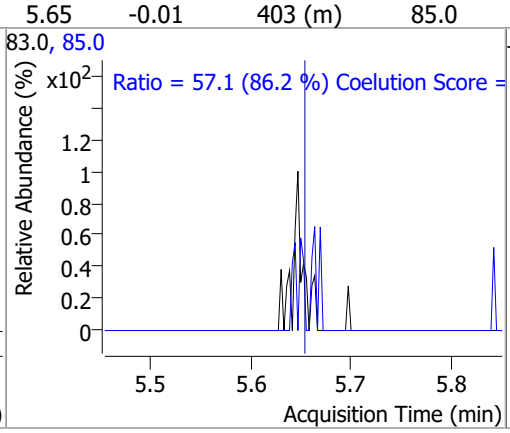
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2

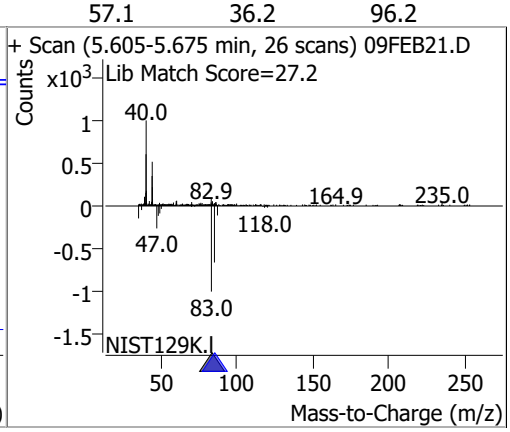




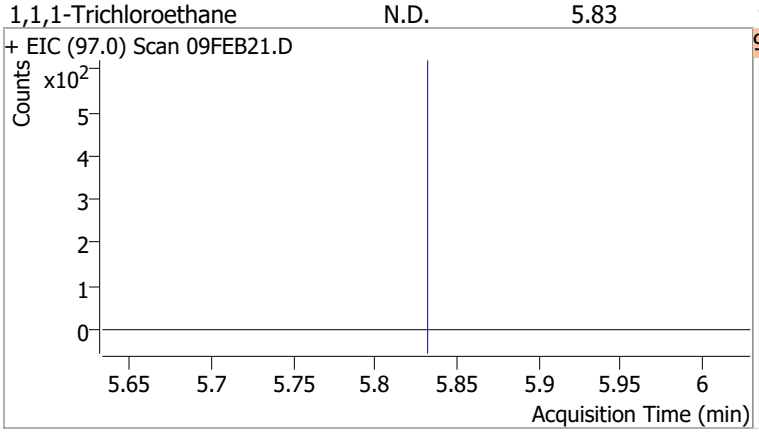
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	0.2717	5.65	-0.01	403 (m)	85.0	57.1	36.2	96.2

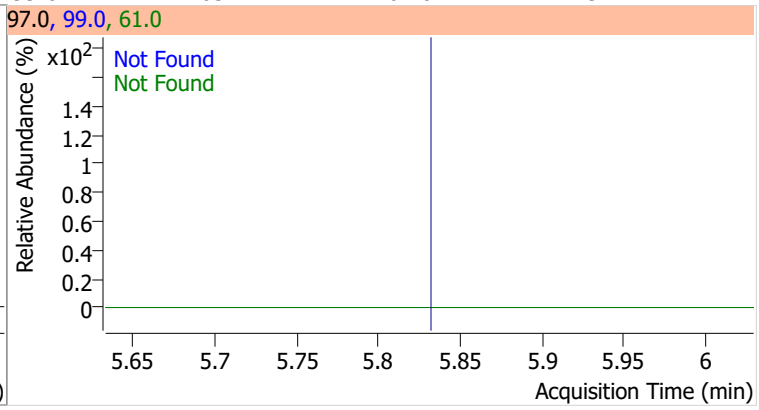




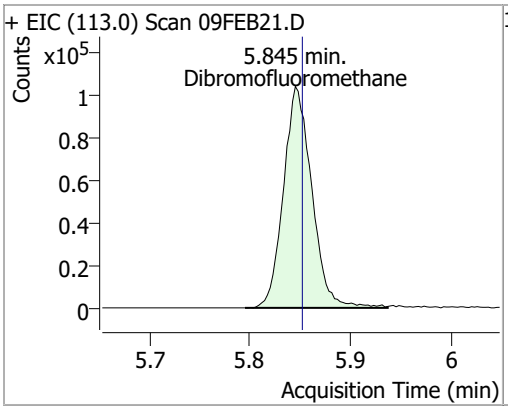


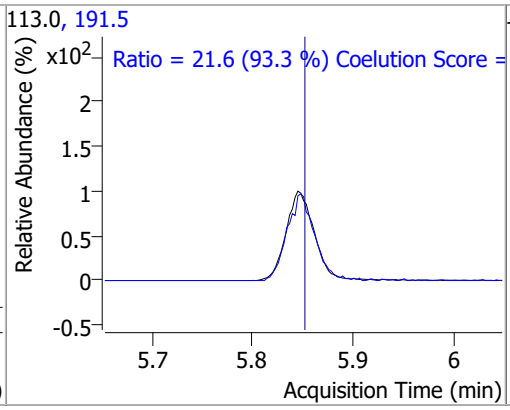
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

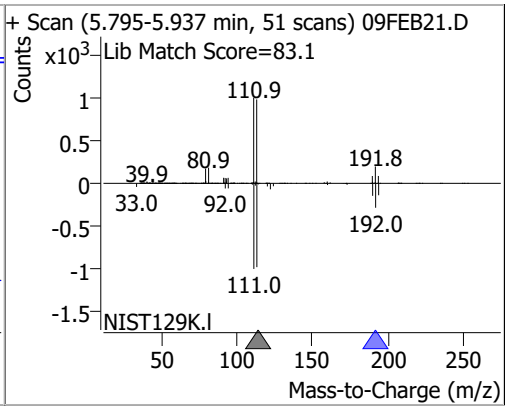




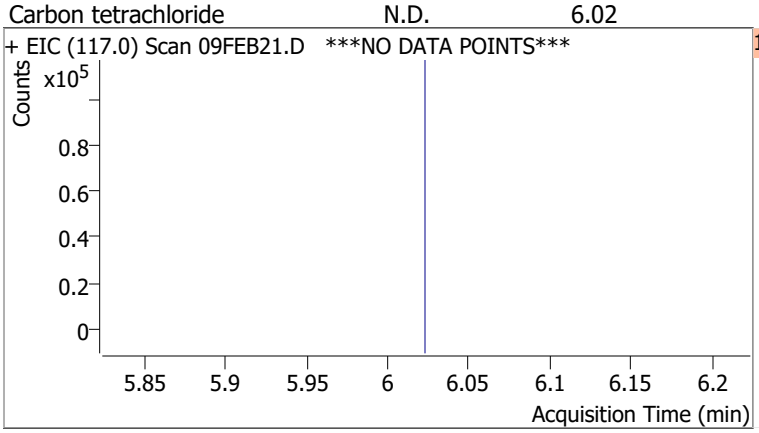
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	275.8488	5.85	-0.01	204244	191.5	21.6	0.0	53.2

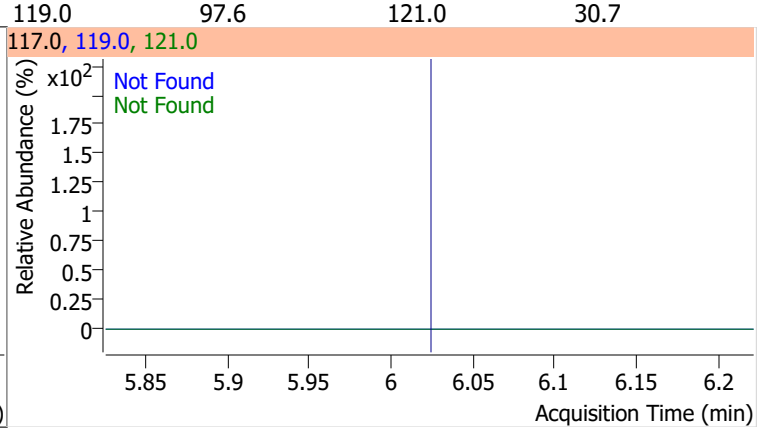




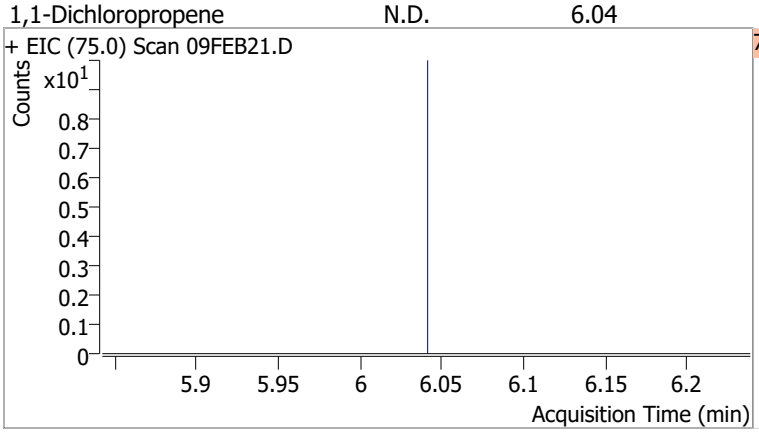


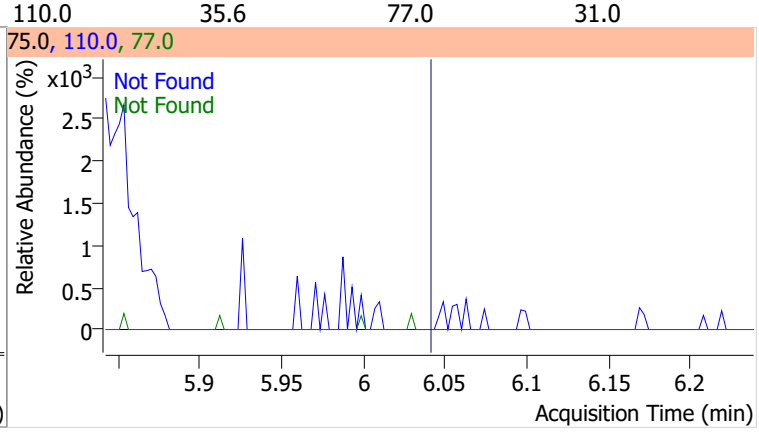
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7



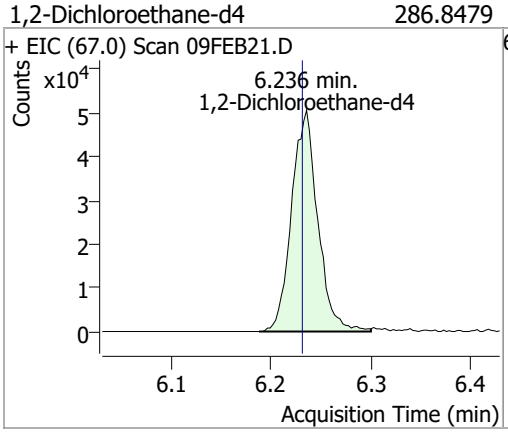


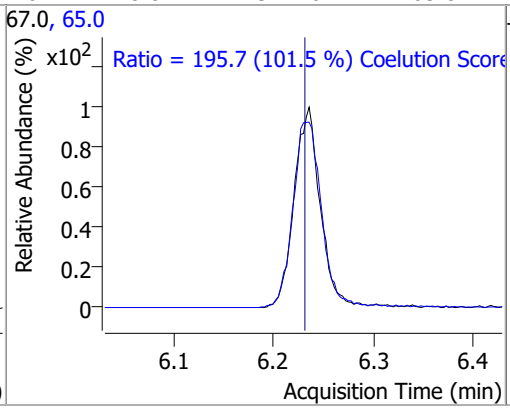
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

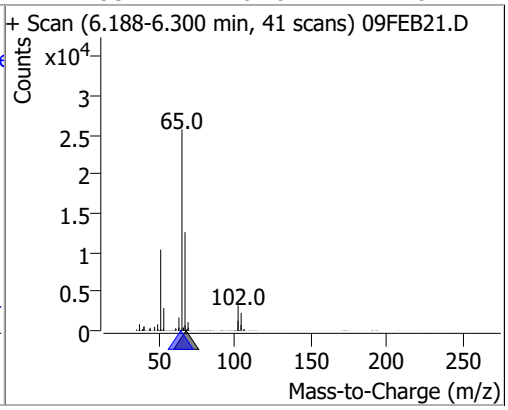




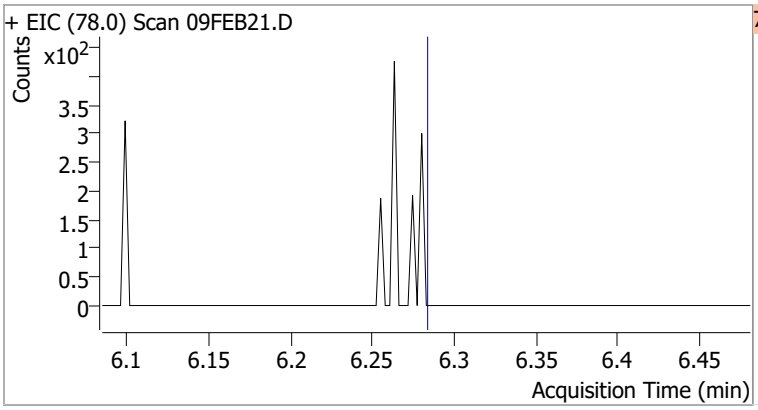
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	286.8479	6.24	0.01	91746	65.0	195.7	162.8	222.8

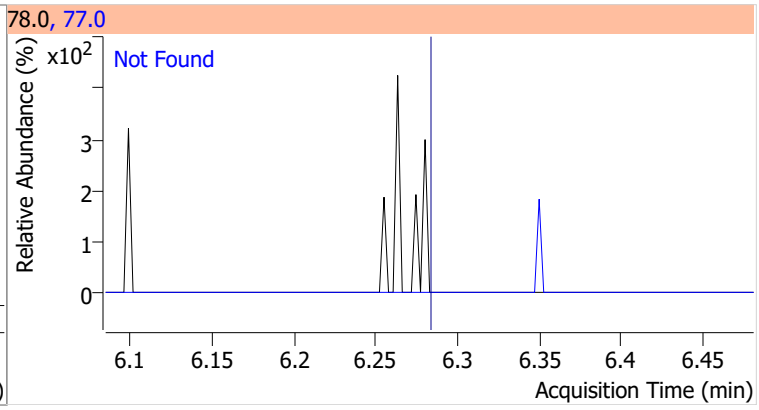




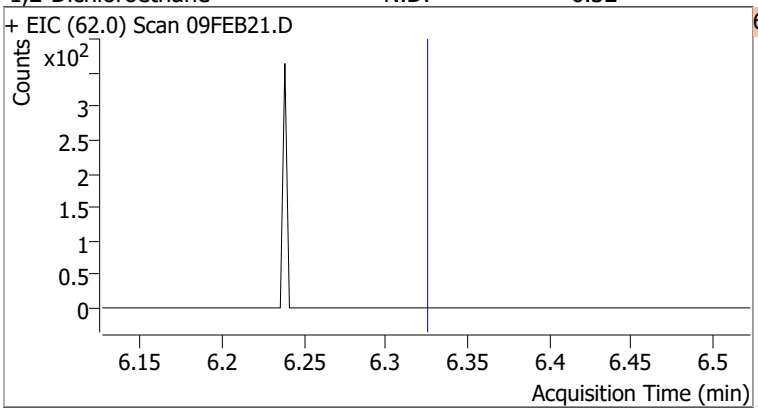


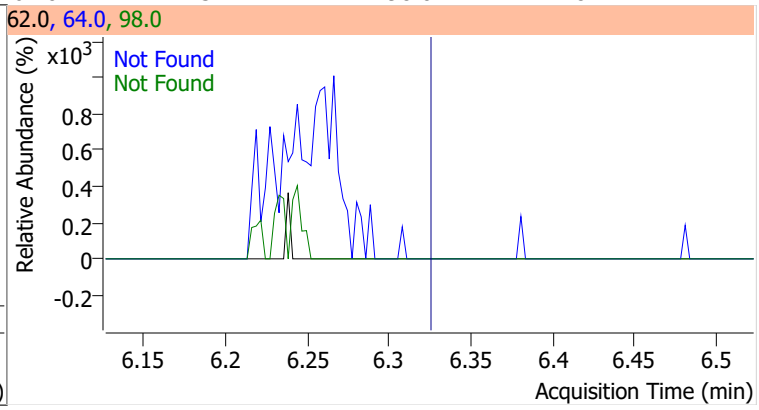
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



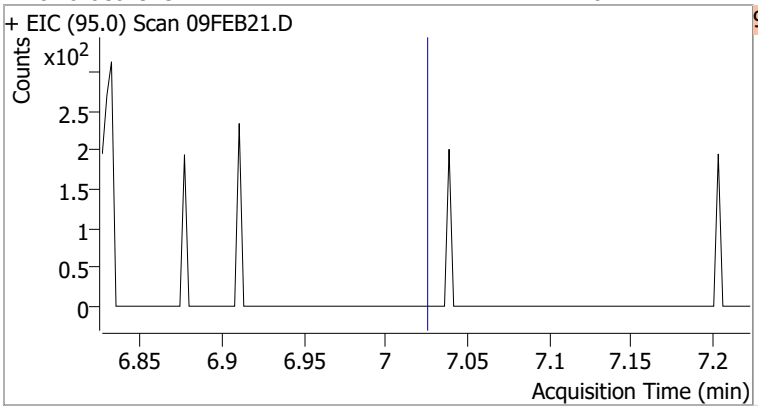


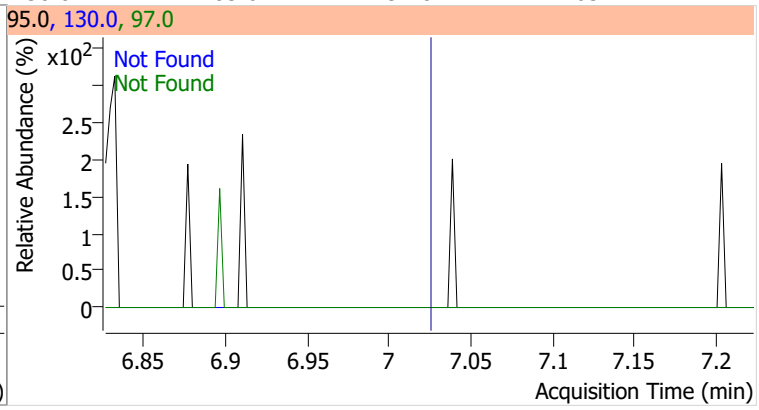
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



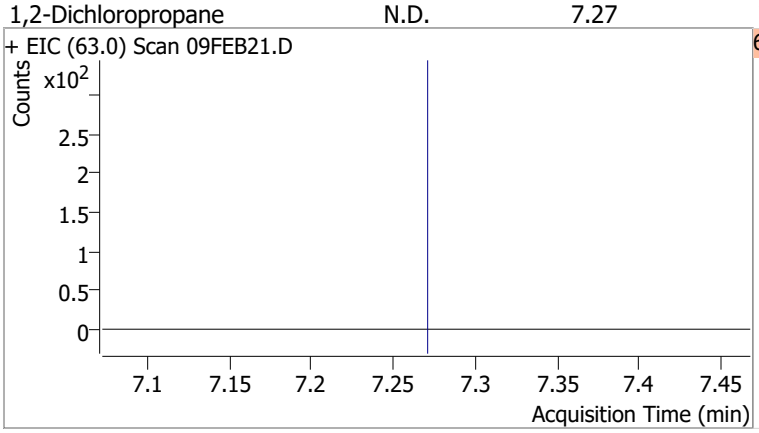


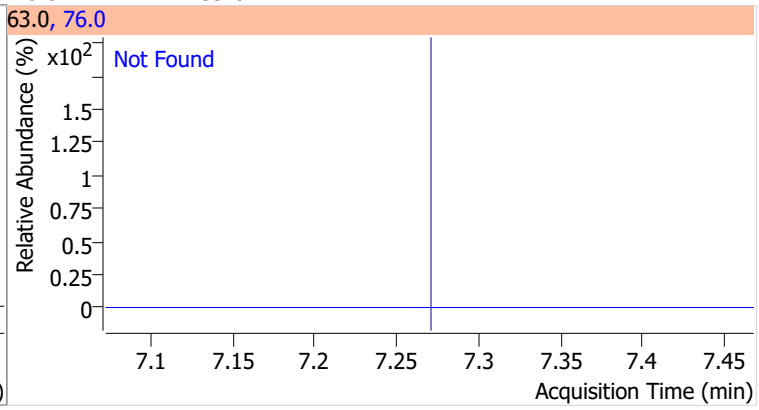
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



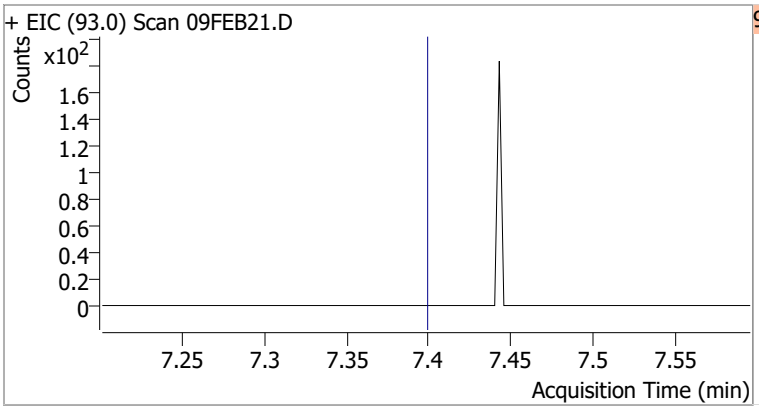


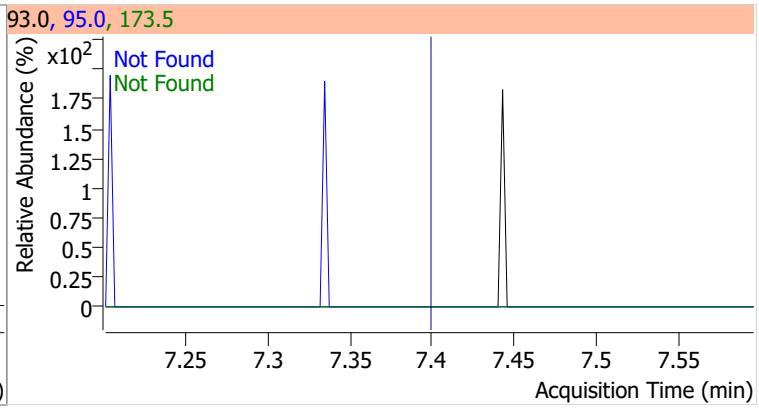
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



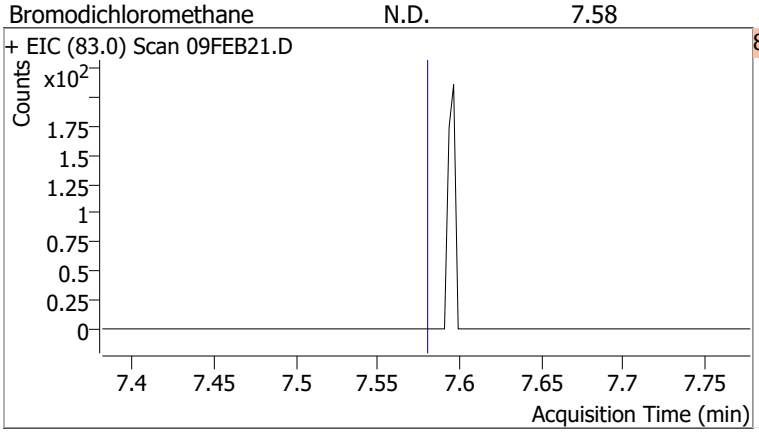


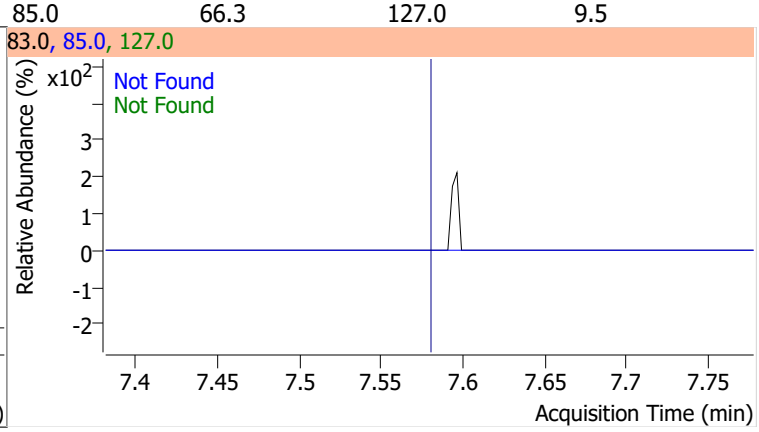
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



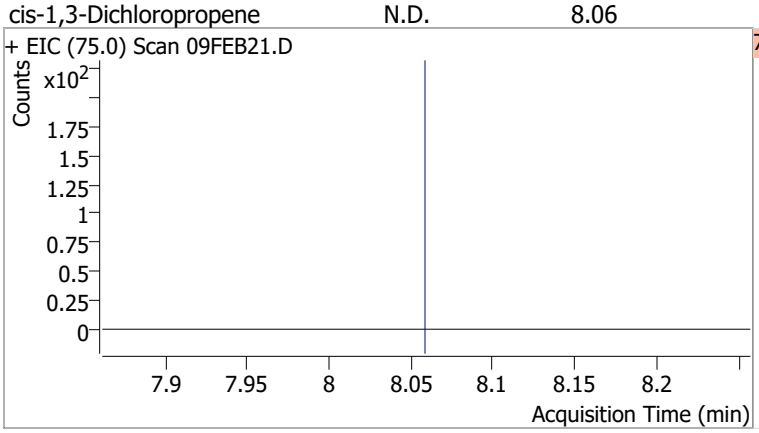


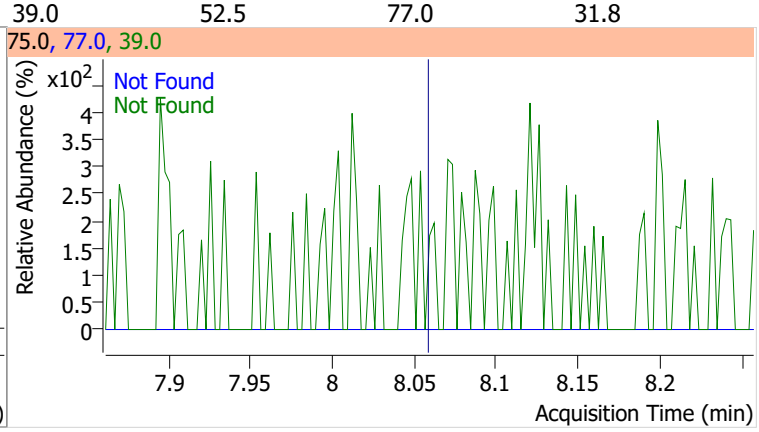
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



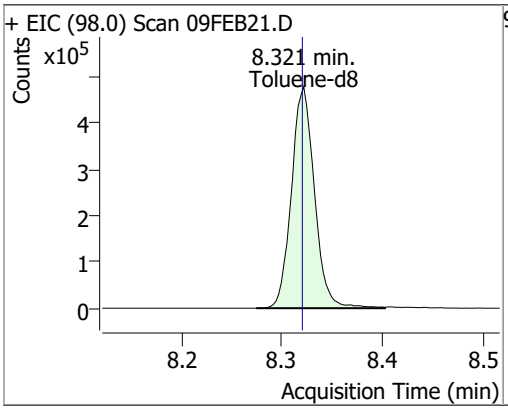


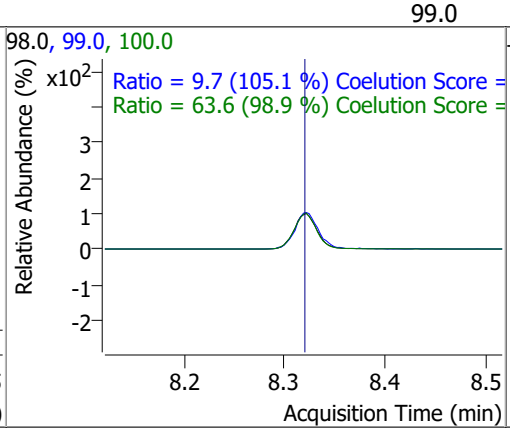
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

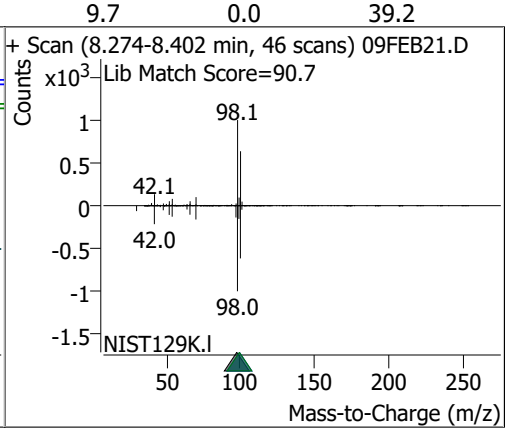




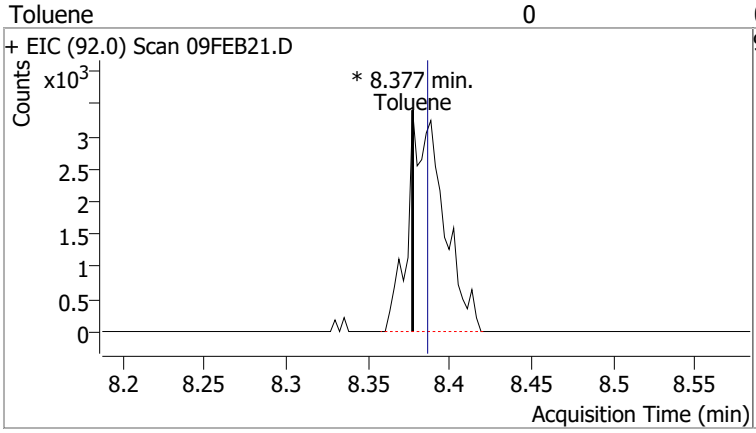
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	260.7205	8.32	0.00	762705	100.0	63.6	34.3	94.3
					99.0	9.7	0.0	39.2

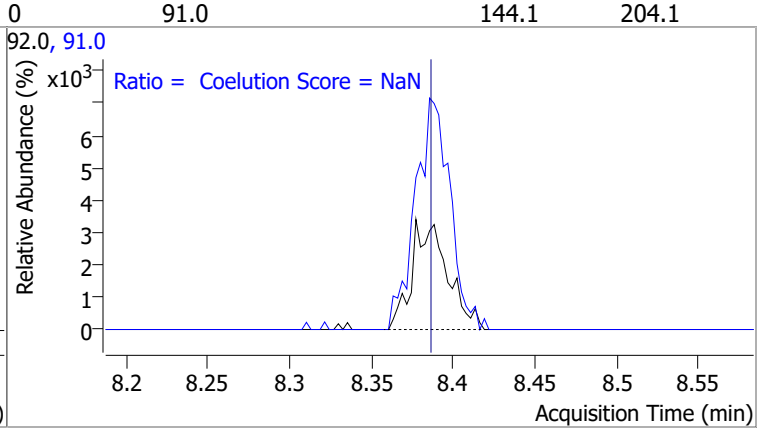




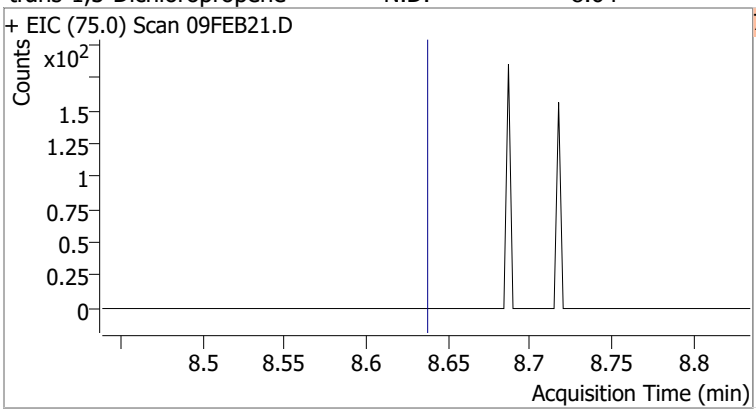


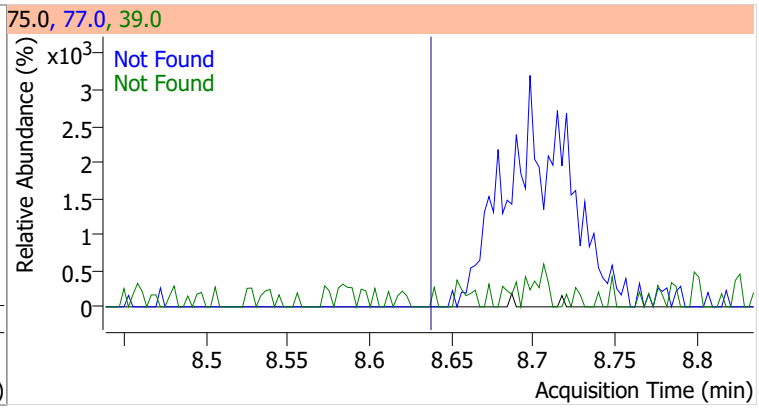
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene		0		0	91.0		144.1	204.1



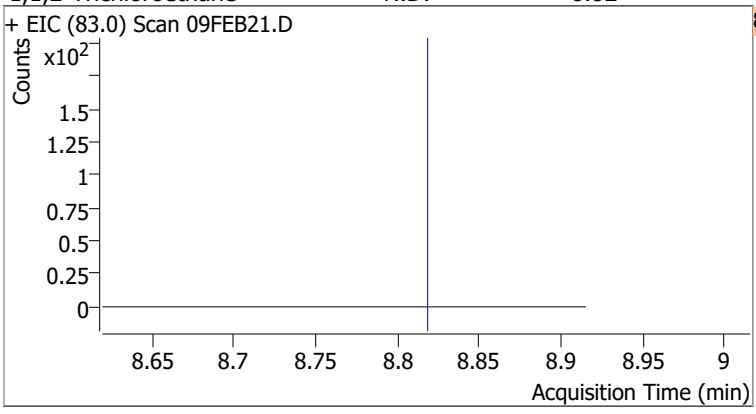


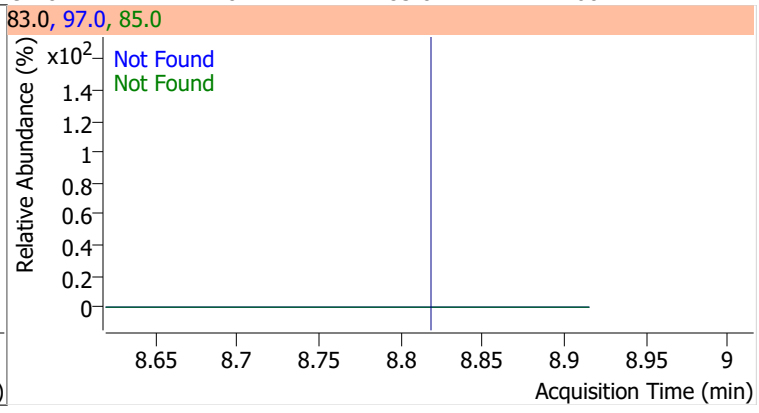
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



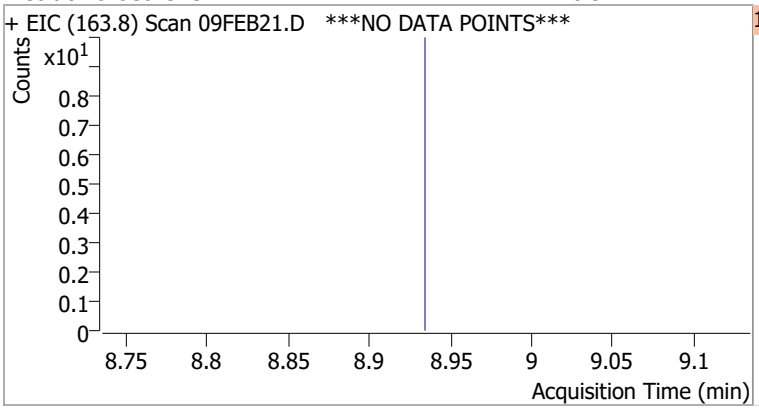


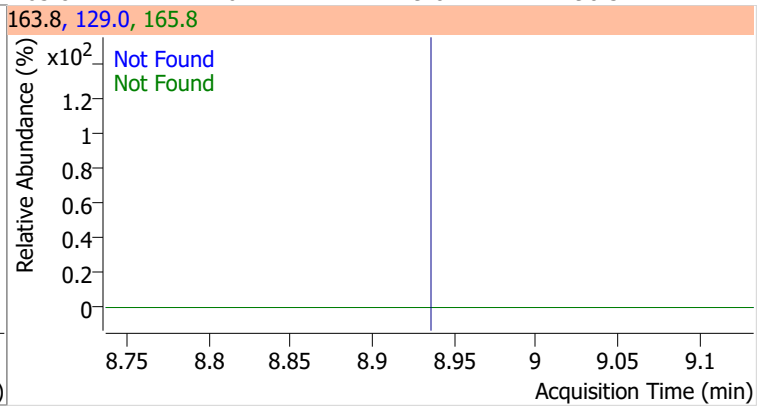
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



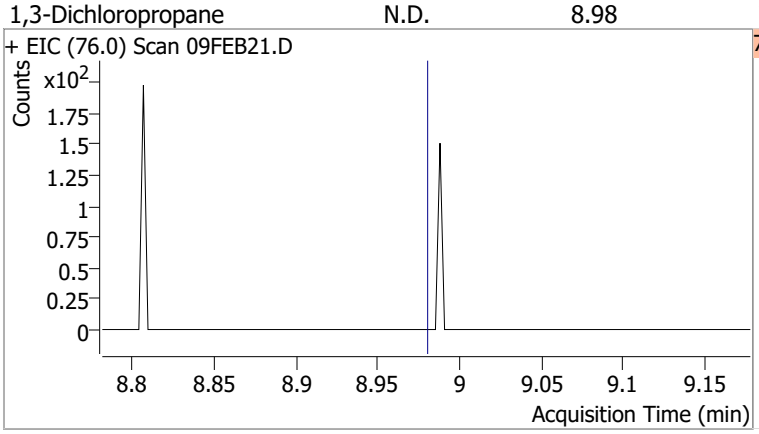


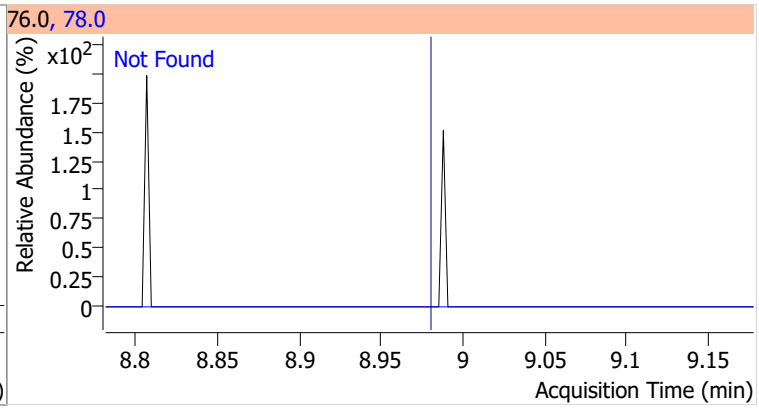
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



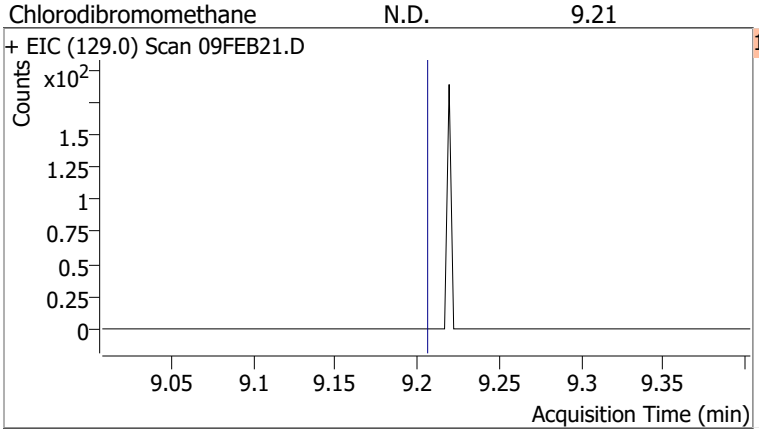


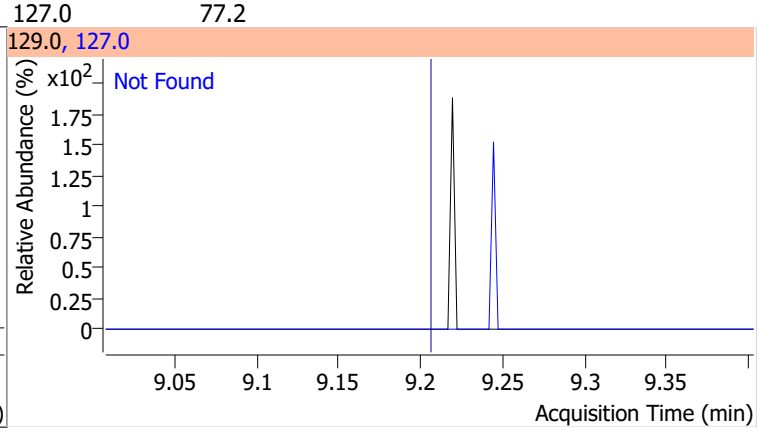
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



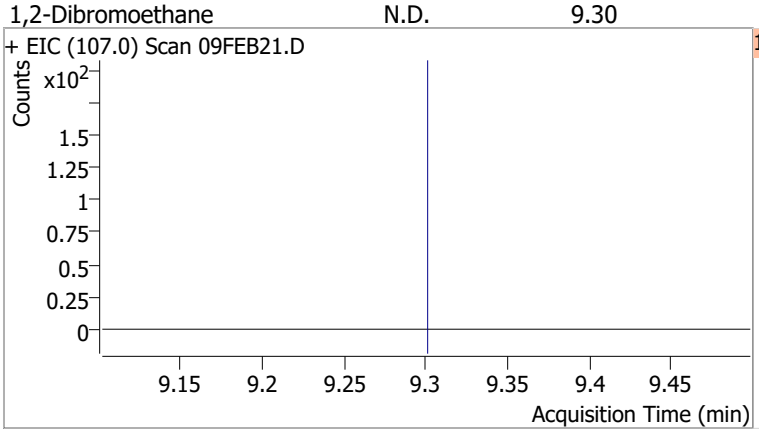


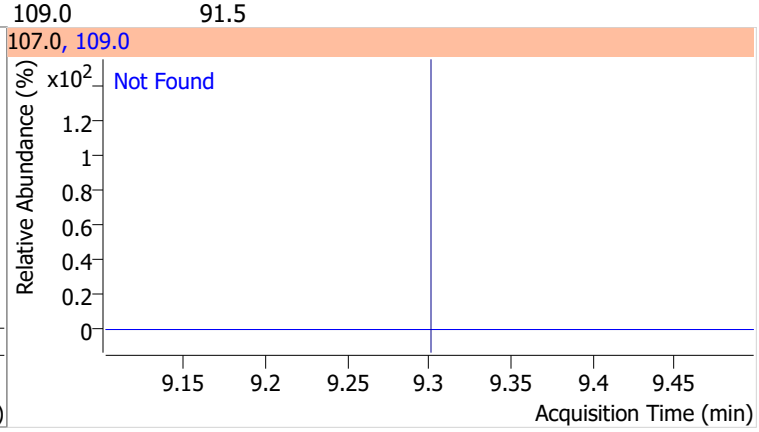
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



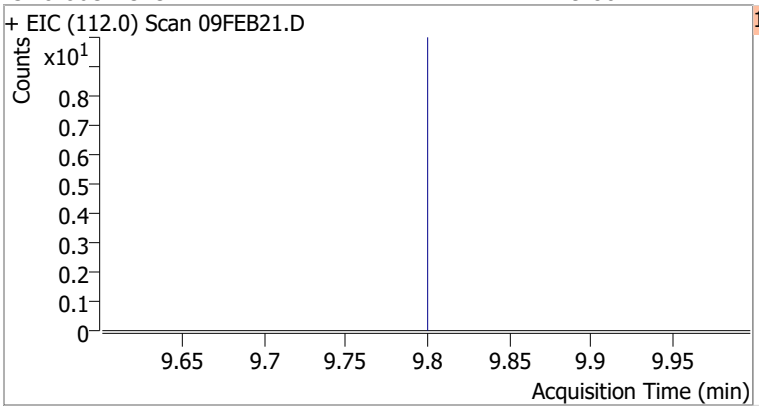


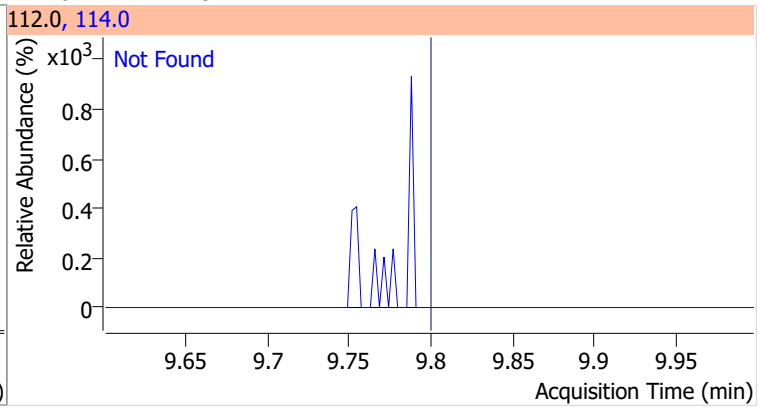
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



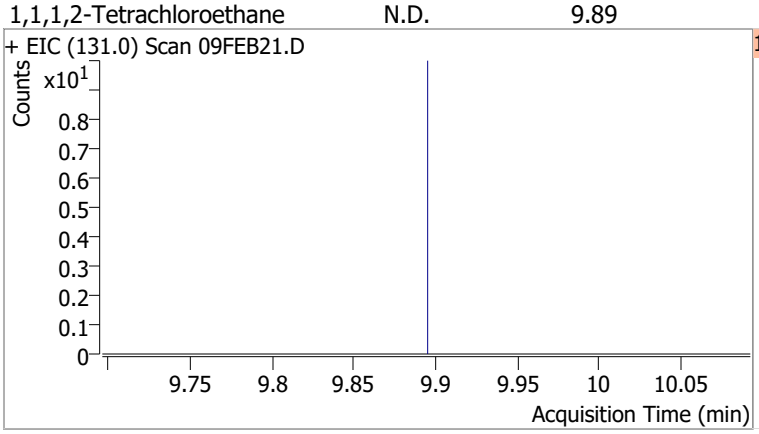


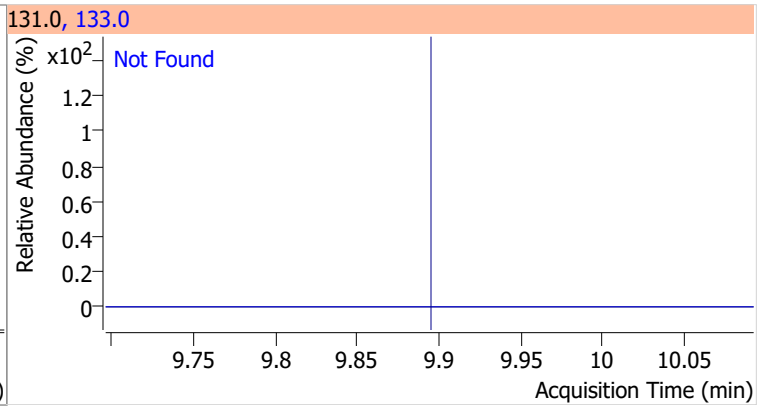
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



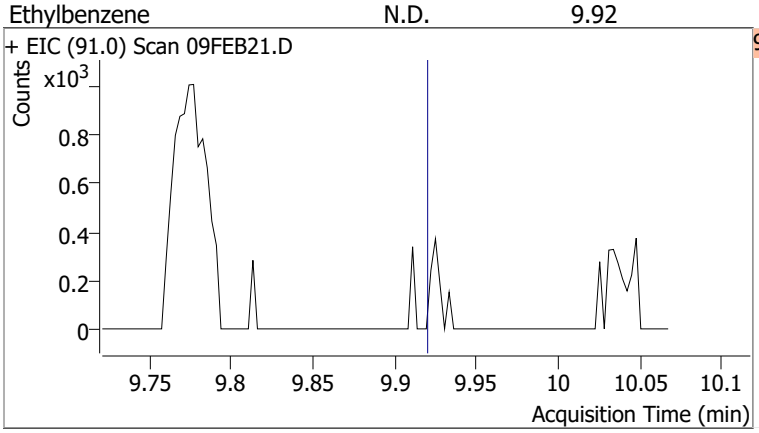


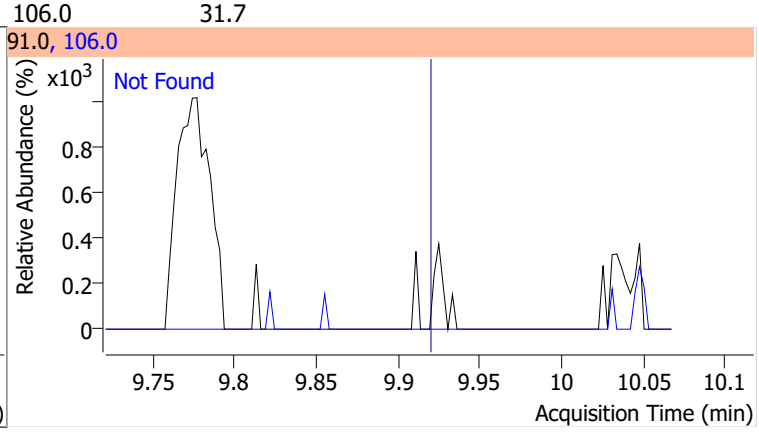
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



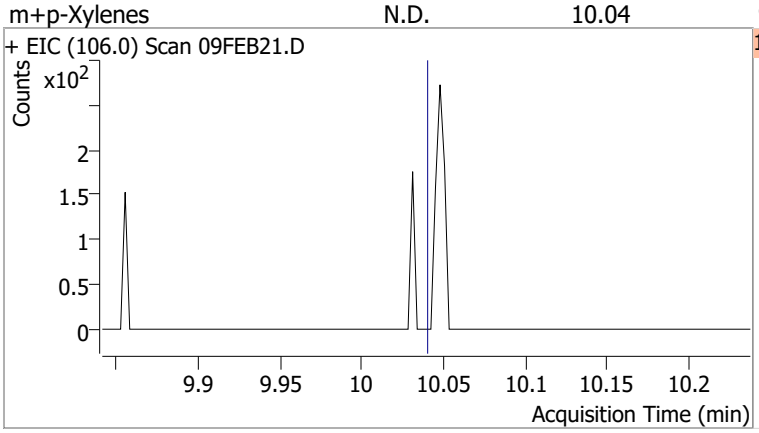


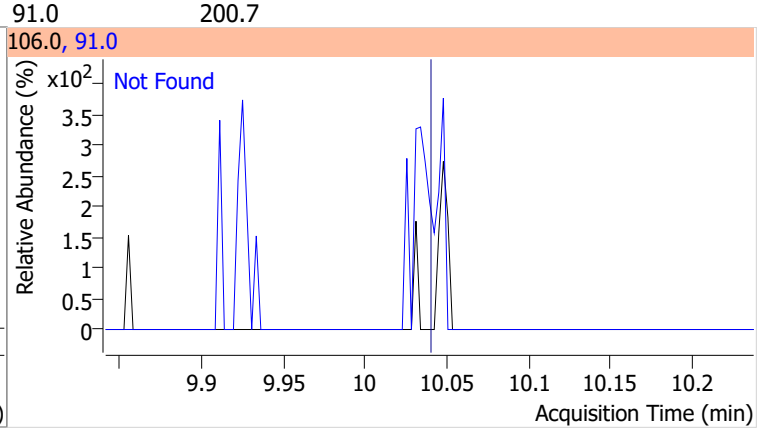
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



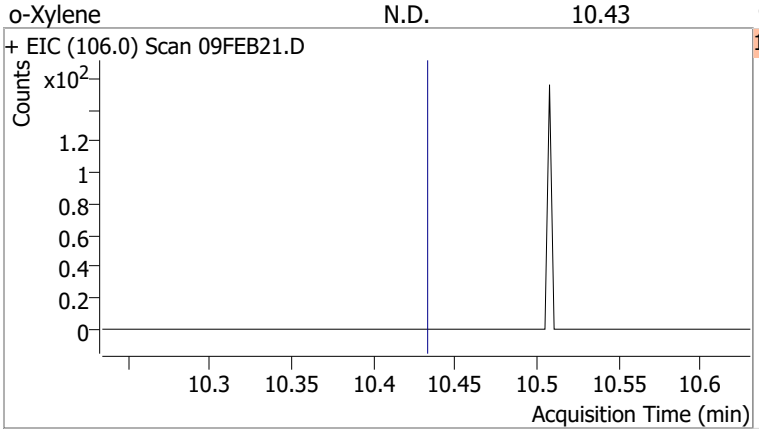


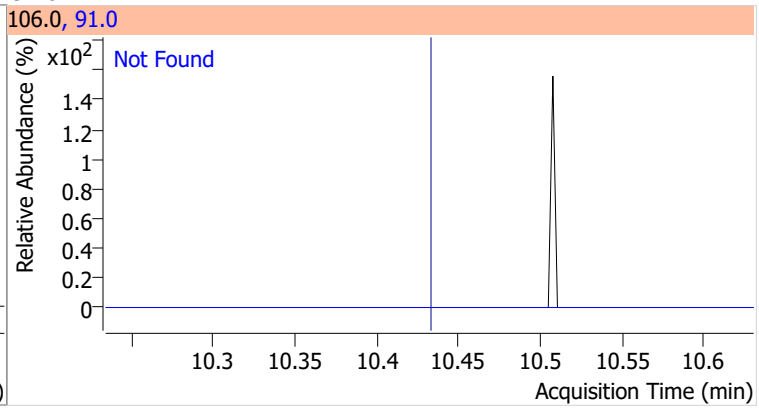
Compound	Conc.	Exp RT	QIon	Exp Ratio
m+p-Xylenes	N.D.	10.04	91.0	200.7



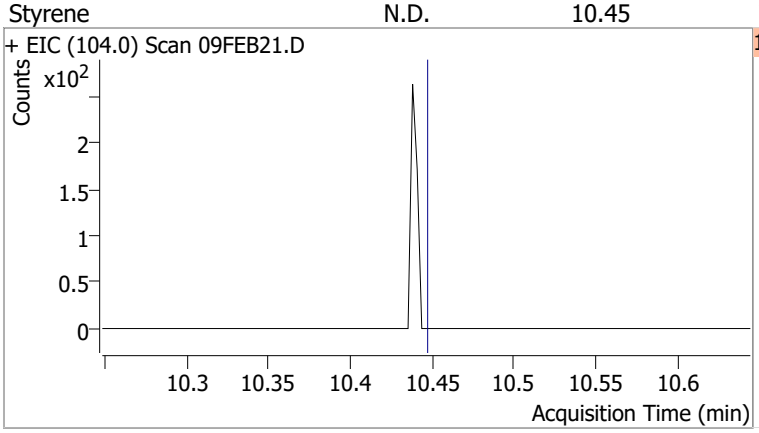


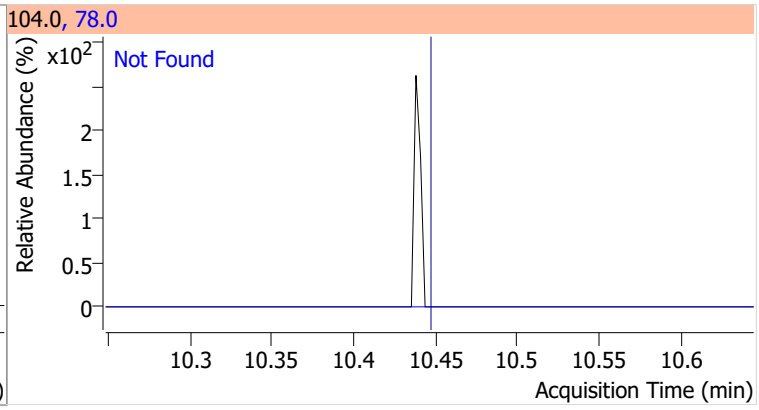
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



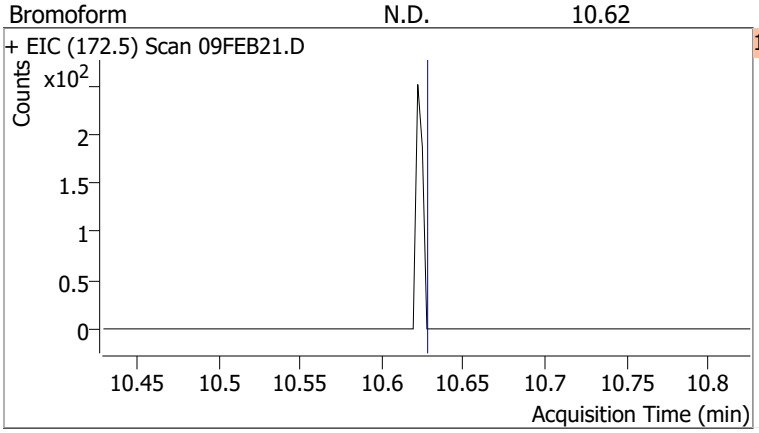


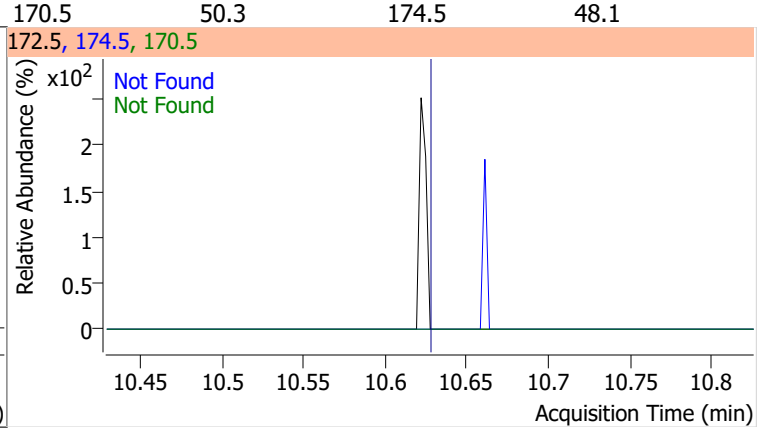
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



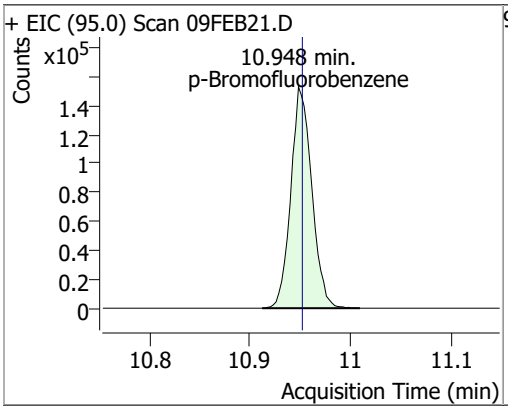


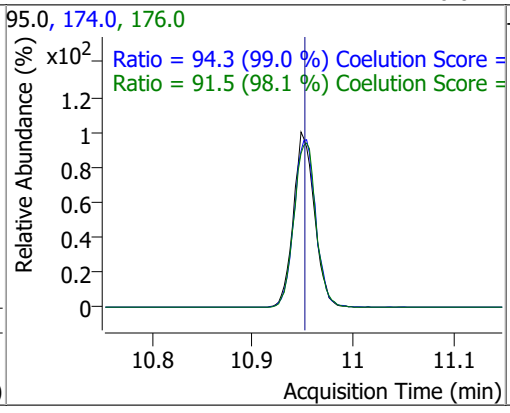
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

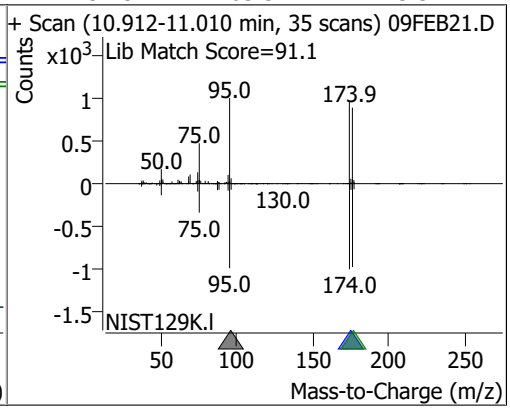




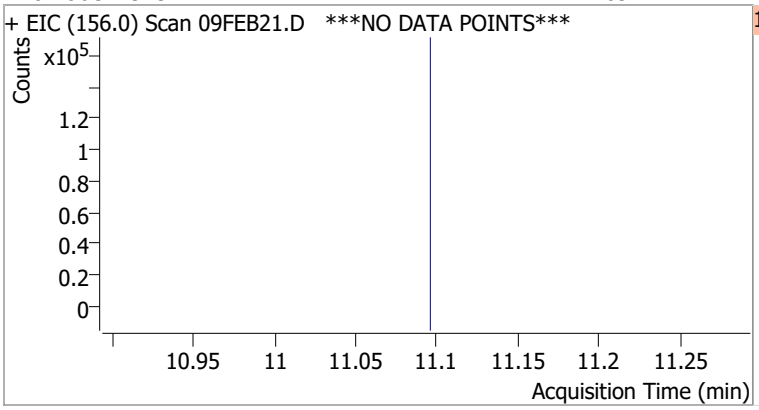
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	265.7693	10.95	0.00	221705	174.0	94.3	65.3	125.3
					176.0	91.5	63.3	123.3

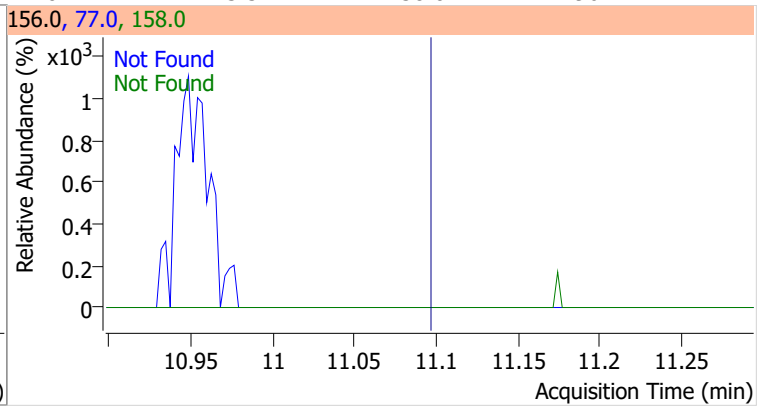




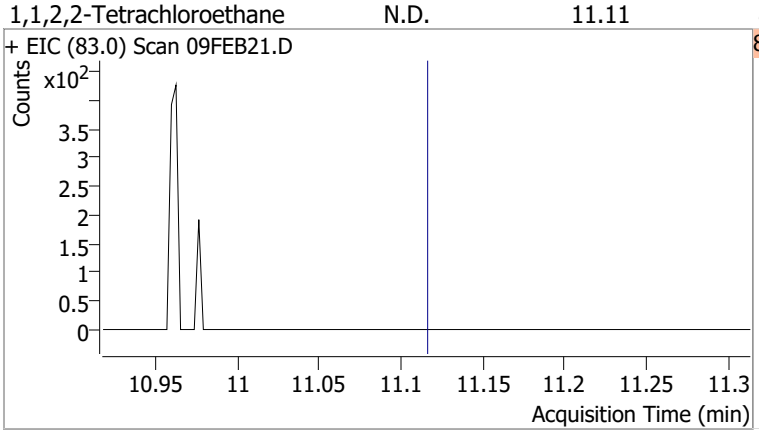


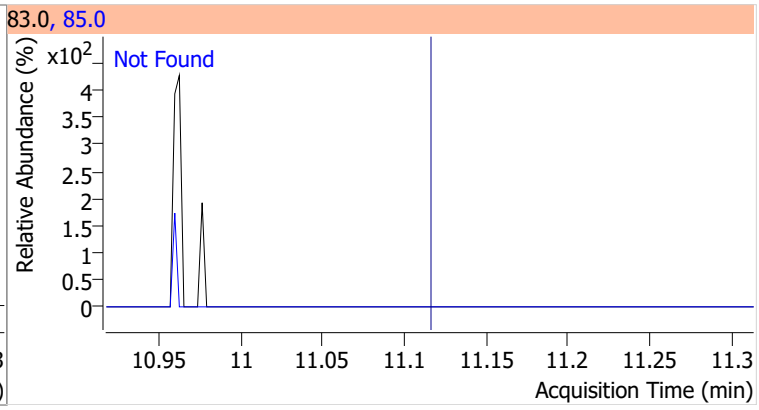
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



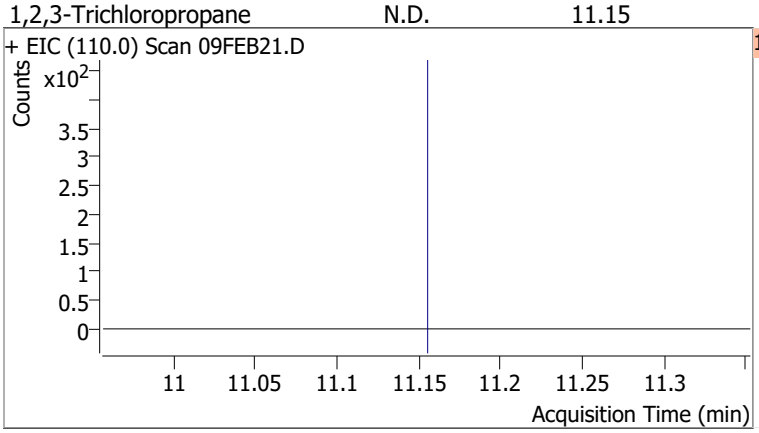


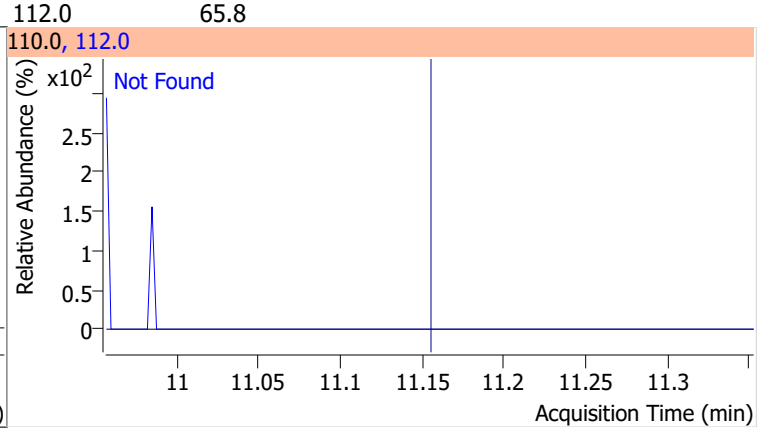
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



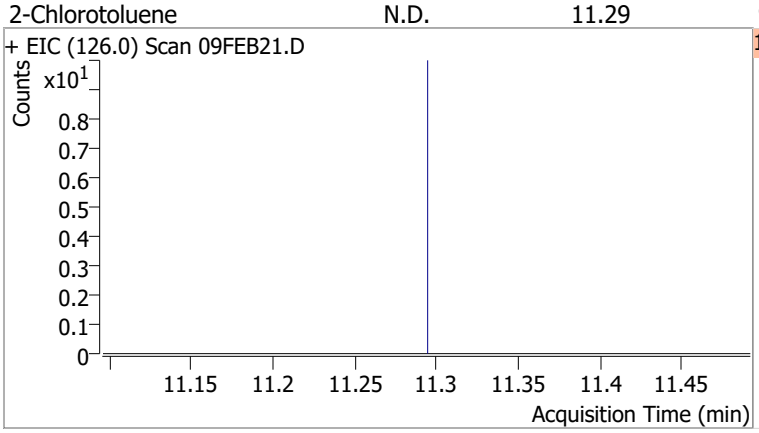


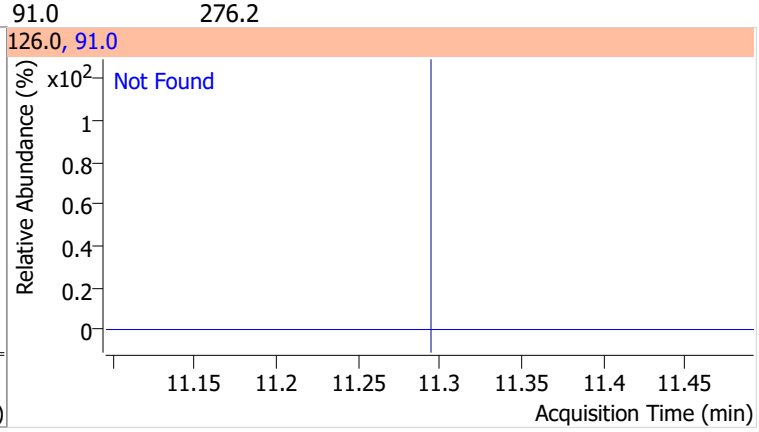
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



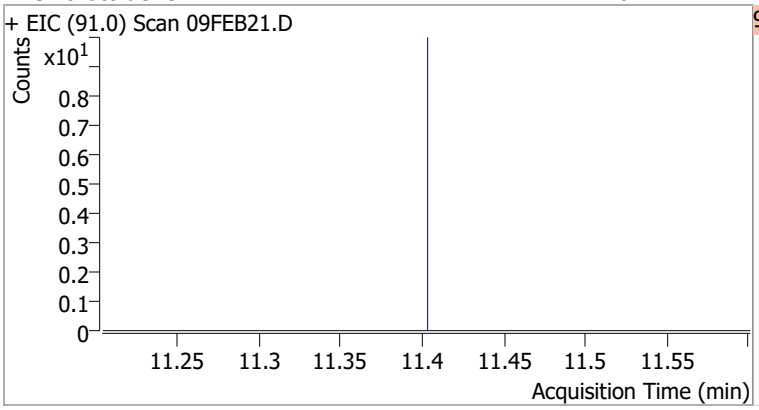


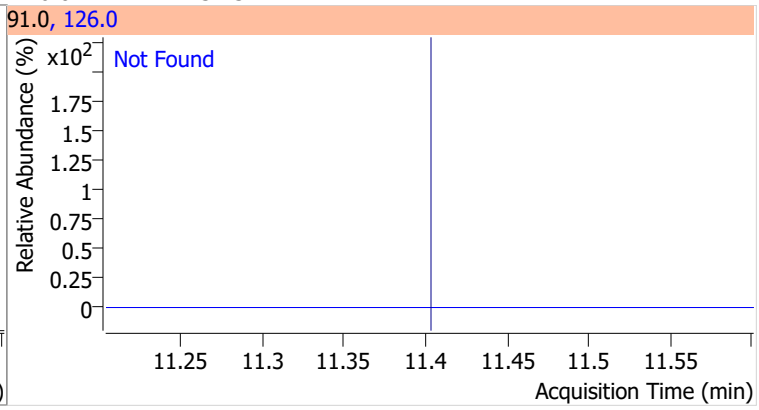
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



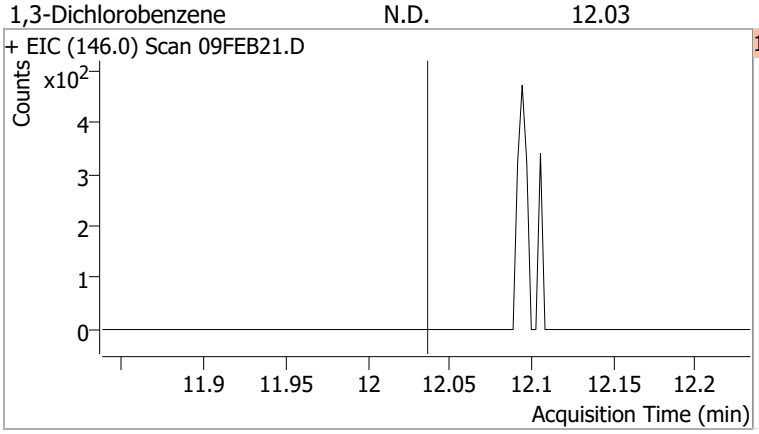


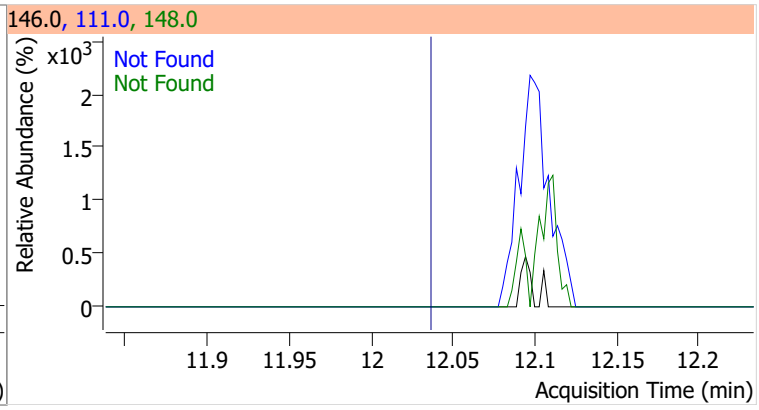
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



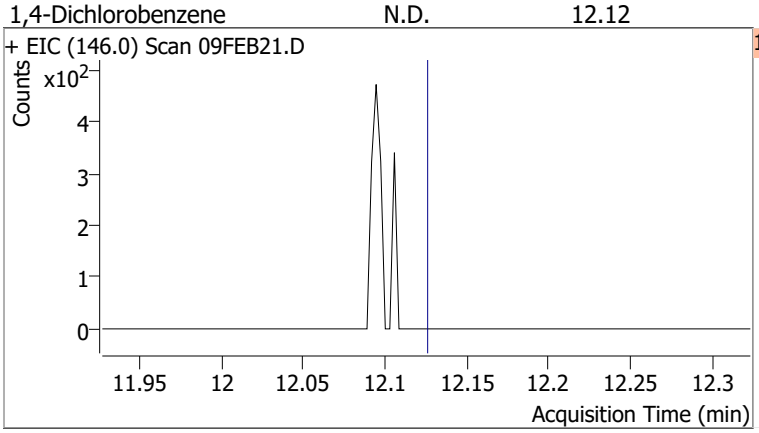


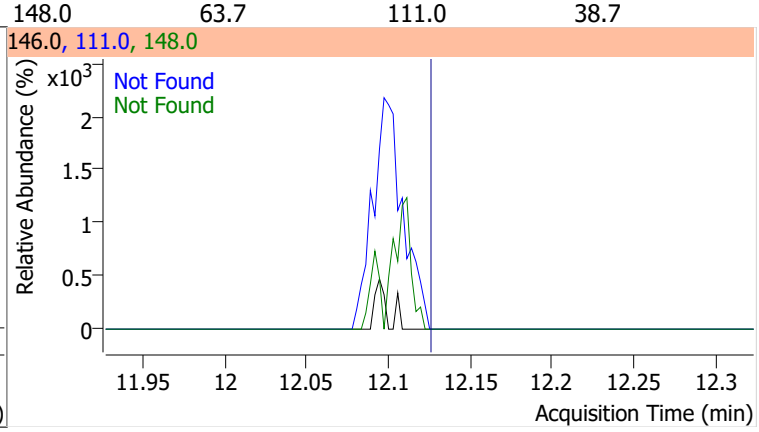
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



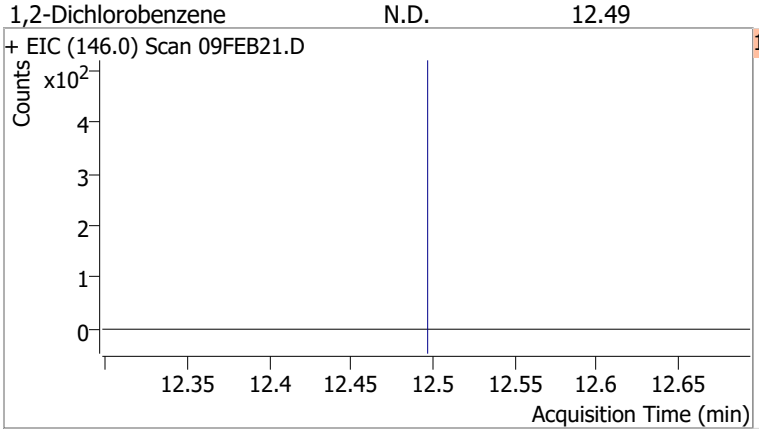


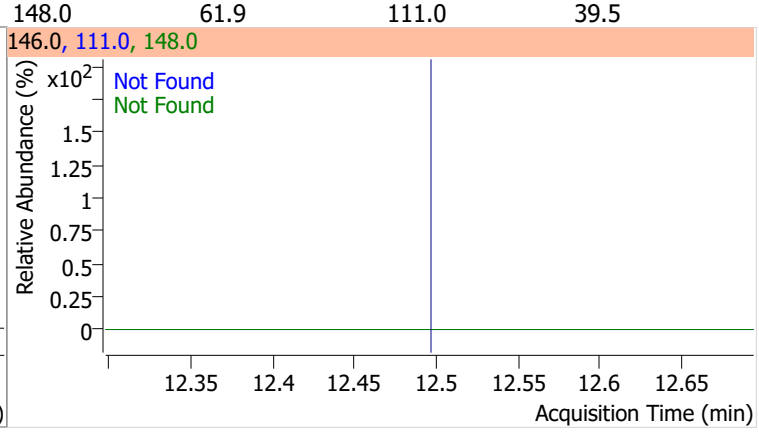
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





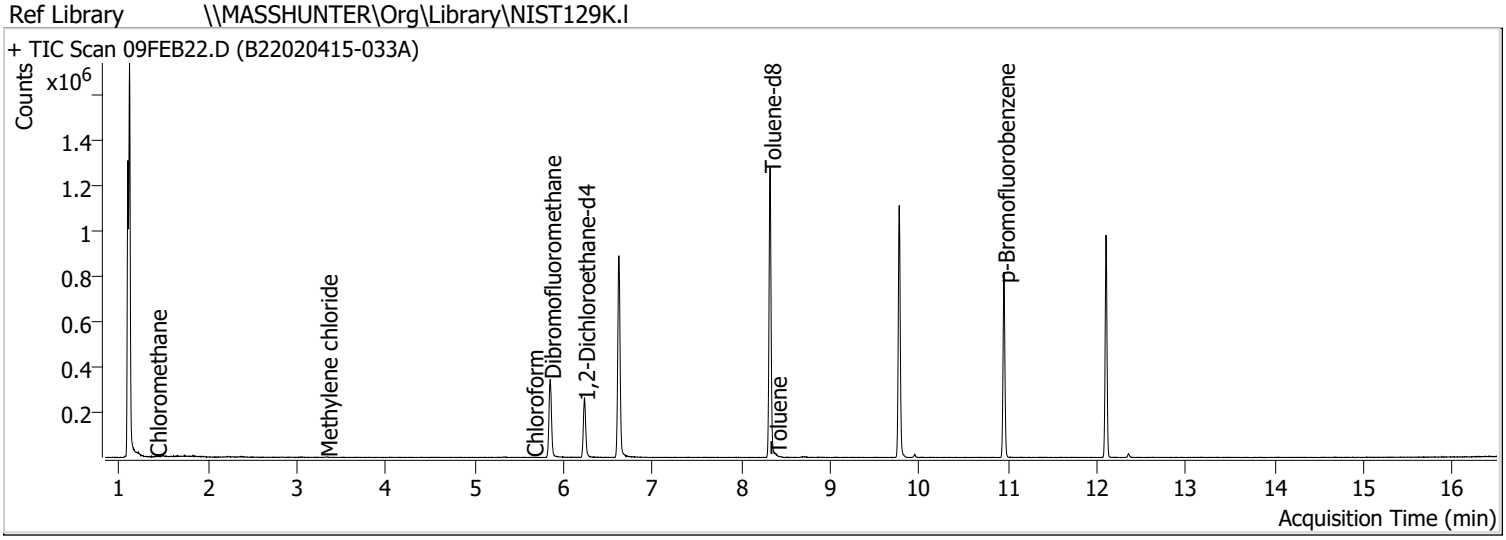
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB22.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 3:12:49 PM
Sample Name	B22020415-033A	Instrument	VOA5975C
Vial	22	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

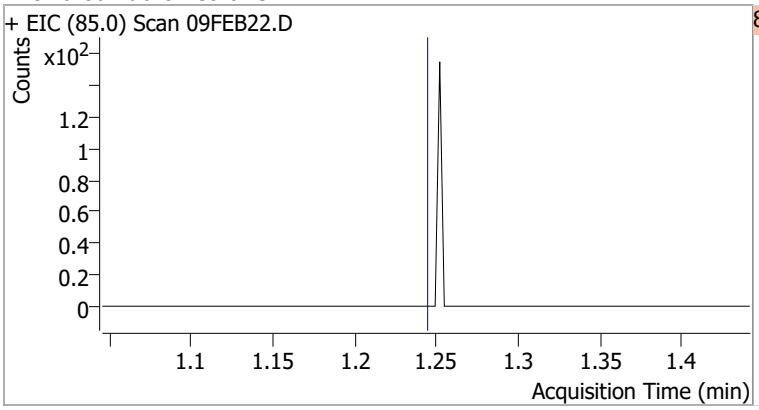


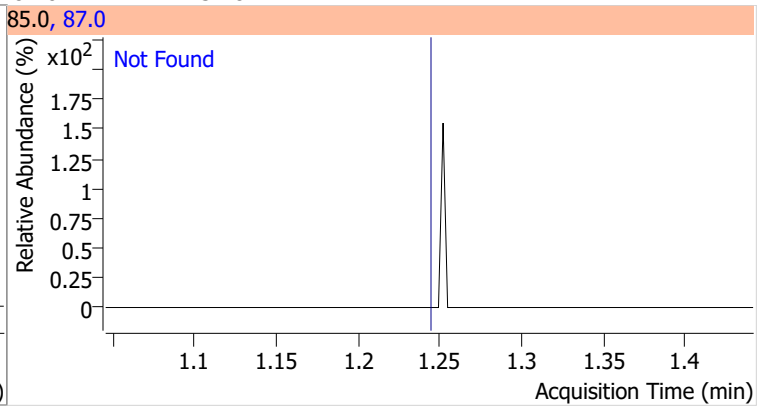
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M Fluorobenzene	6.620	96.0	750911	250.0000	ng		0.000
M Chlorobenzene-d5	9.771	82.0	299537	250.0000	ng		-0.003
M 1,4-Dichlorobenzene-d4	12.103	152.0	223890	250.0000	ng		0.003
System Monitoring Compounds							
S Dibromofluoromethane	5.848	113.0	202629	278.5971	ng		-0.003
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 111.44%			
S 1,2-Dichloroethane-d4	6.230	67.0	90592	288.3418	ng		0.000
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 115.34%			
S Toluene-d8	8.321	98.0	771108	263.8728	ng		0.003
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 105.55%			
S p-Bromofluorobenzene	10.951	95.0	221691	268.1787	ng		0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 107.27%			
Target Compounds							**QValue**
T Dichlorodifluoromethane	0.000		0	N.D.			
T Chloromethane	1.411	50.0	795	0.6684	ng	m	81
T Vinyl chloride	0.000		0	N.D.			
T Bromomethane	0.000		0	N.D.			
T Chloroethane	0.000		0	N.D.			
T Trichlorofluoromethane	0.000		0	N.D.			
T 1,1-Dichloroethene	0.000		0	N.D.			
T Methylene chloride	3.330	49.0	1566	1.4266	ng	m	88
T trans-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl tert-butyl ether (MTBE)	0.000		0	N.D.			
T 1,1-Dichloroethane	0.000		0	N.D.			
T 2,2-Dichloropropane	0.000		0	N.D.			
T cis-1,2-Dichloroethene	0.000		0	N.D.			
T Methyl ethyl ketone	0.000		0	N.D.			
T Bromochloromethane	0.000		0	N.D.			
T Chloroform	5.650	83.0	641	0.4400	ng	m	98

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T 1,1,1-Trichloroethane	0.000		0	N.D.			
T Carbon tetrachloride	0.000		0	N.D.			
T 1,1-Dichloropropene	0.000		0	N.D.			
T Benzene	0.000		0	N.D.			
T 1,2-Dichloroethane	0.000		0	N.D.			
T Trichloroethene	0.000		0	N.D.			
T 1,2-Dichloropropane	0.000		0	N.D.			
T Dibromomethane	0.000		0	N.D.			
T Bromodichloromethane	0.000		0	N.D.			
T cis-1,3-Dichloropropene	0.000		0	N.D.			
T Toluene	8.385	92.0	2167	1.1125	ng		83
T trans-1,3-Dichloropropene	0.000		0	N.D.			
T 1,1,2-Trichloroethane	0.000		0	N.D.			
T Tetrachloroethene	0.000		0	N.D.			
T 1,3-Dichloropropane	0.000		0	N.D.			
T Chlorodibromomethane	0.000		0	N.D.			
T 1,2-Dibromoethane	0.000		0	N.D.			
T Chlorobenzene	0.000		0	N.D.			
T 1,1,1,2-Tetrachloroethane	0.000		0	N.D.			
T Ethylbenzene	0.000		0	N.D.			
T m+p-Xylenes	10.039	106.0	0		ng	md	1
T o-Xylene	0.000		0	N.D.			
T Styrene	0.000		0	N.D.			
T Bromoform	0.000		0	N.D.			
T Bromobenzene	0.000		0	N.D.			
T 1,1,2,2-Tetrachloroethane	0.000		0	N.D.			
T 1,2,3-Trichloropropane	0.000		0	N.D.			
T 2-Chlorotoluene	0.000		0	N.D.			
T 4-Chlorotoluene	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			

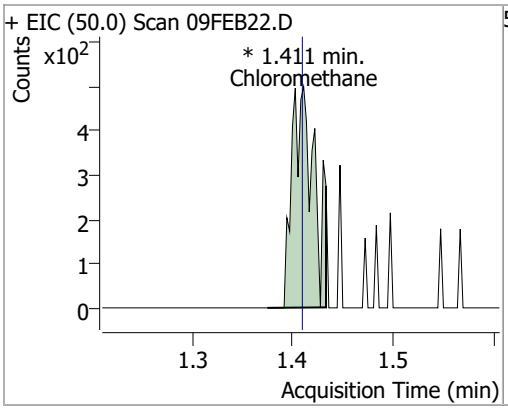
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

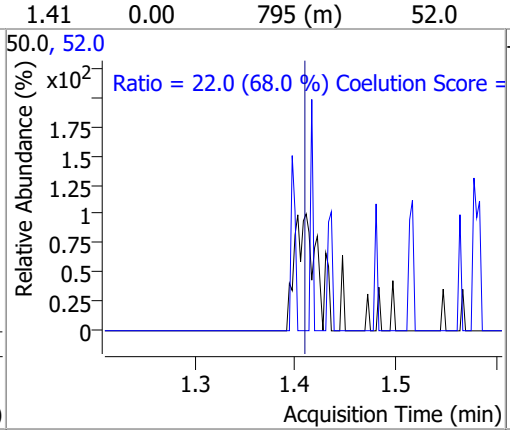
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dichlorodifluoromethane	N.D.	1.24	87.0	31.8

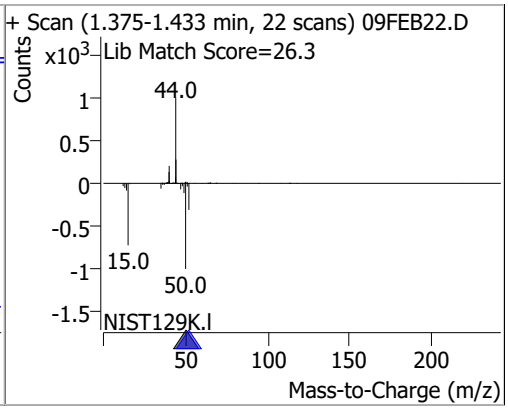




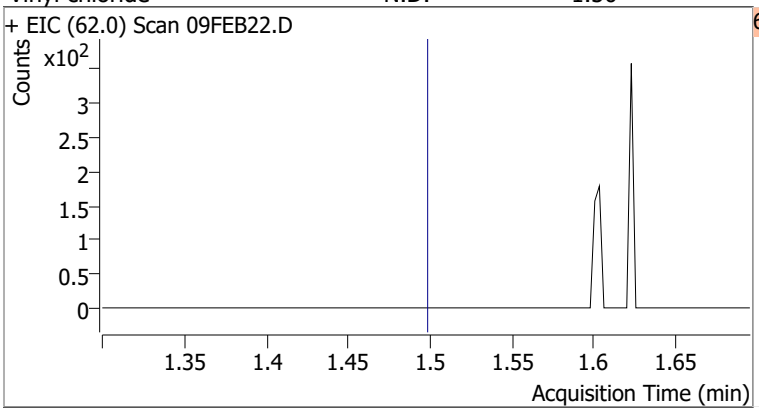
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	0.6684	1.41	0.00	795 (m)	52.0	22.0	2.4	62.4

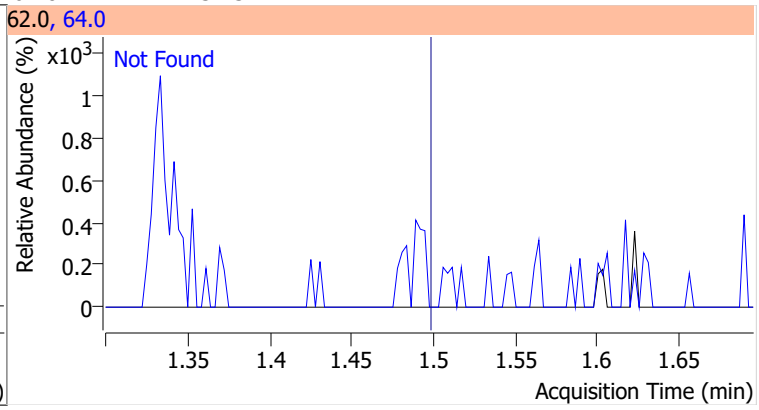




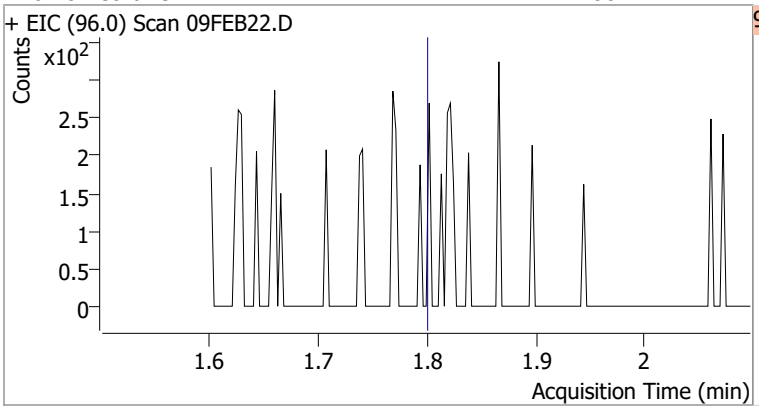


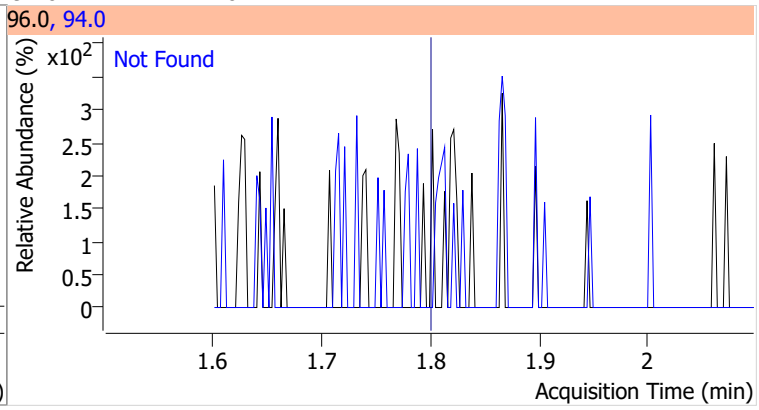
Compound	Conc.	Exp RT	QIon	Exp Ratio
Vinyl chloride	N.D.	1.50	64.0	31.3



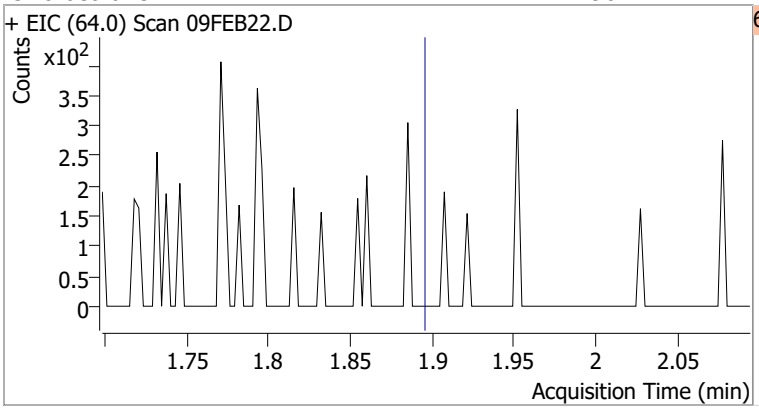


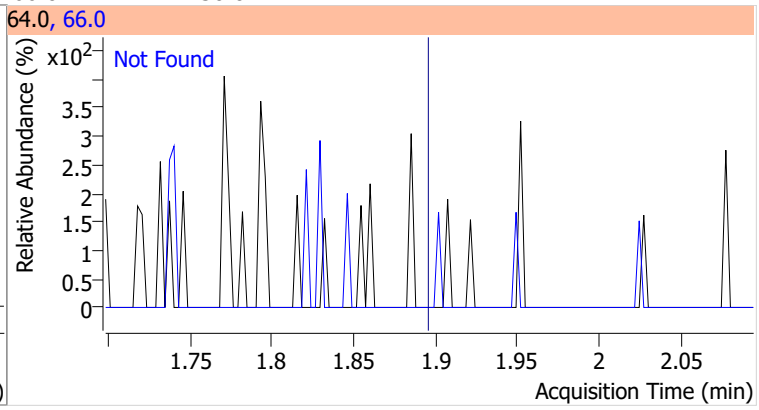
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromomethane	N.D.	1.80	94.0	110.1



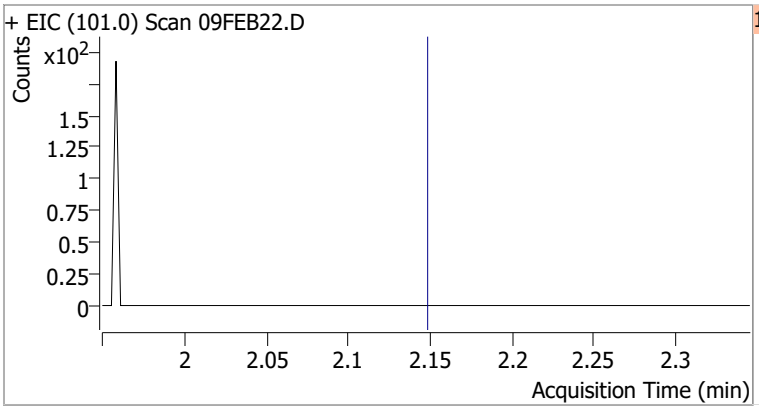


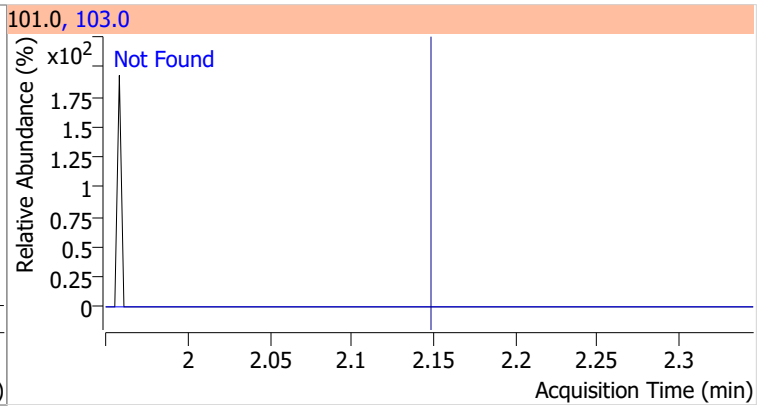
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chloroethane	N.D.	1.90	66.0	30.0



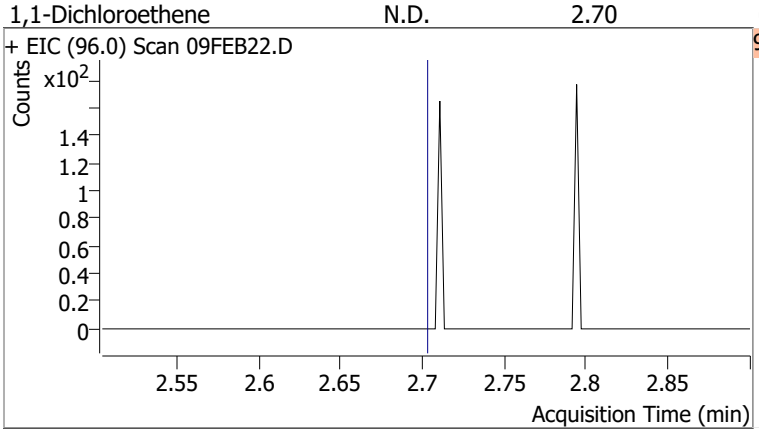


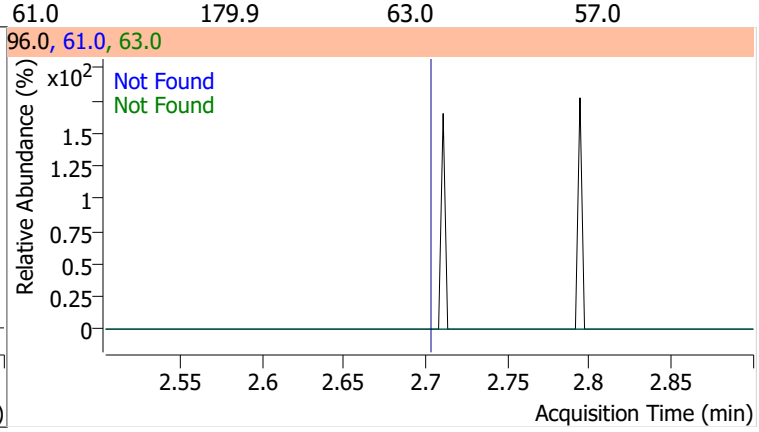
Compound	Conc.	Exp RT	QIon	Exp Ratio
Trichlorofluoromethane	N.D.	2.15	103.0	65.0



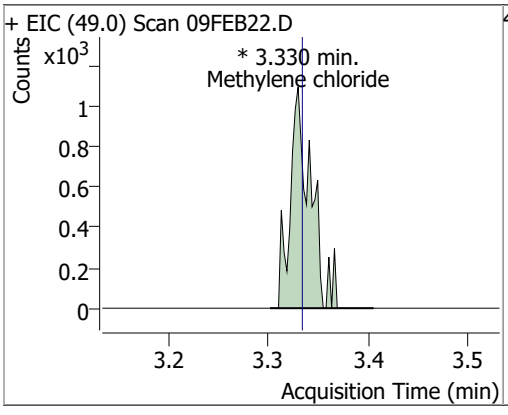


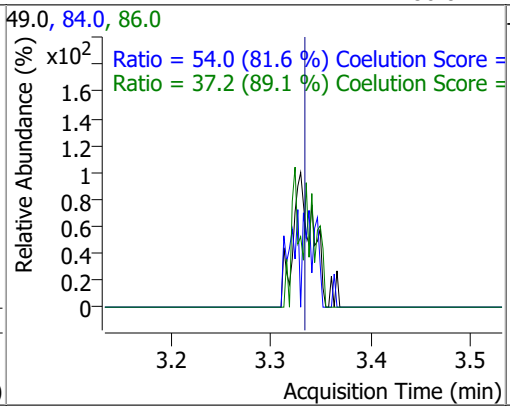
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethene	N.D.	2.70	61.0	179.9	63.0	57.0

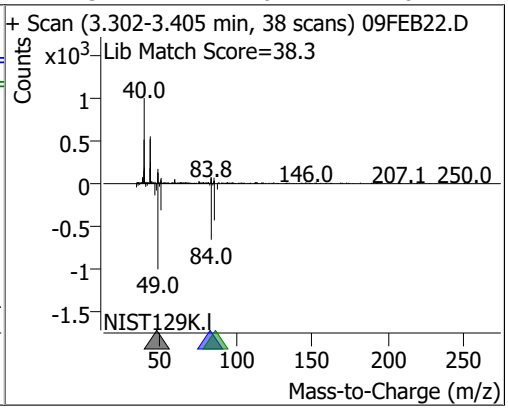




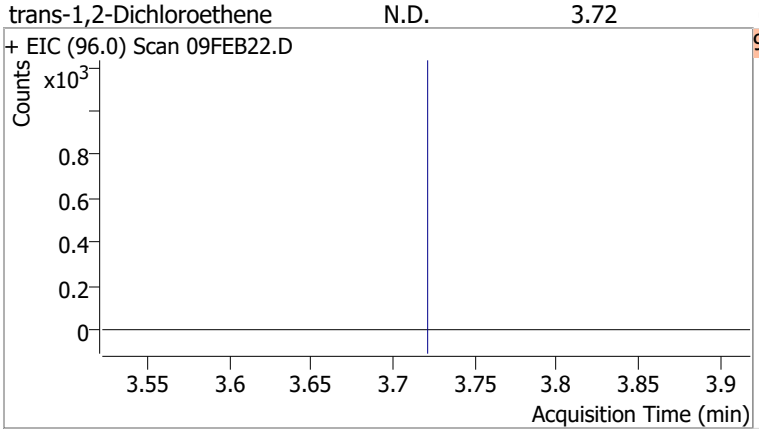
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	1.4266	3.33	0.00	1566 (m)	84.0	54.0	36.1	96.1
					86.0	37.2	11.8	71.8

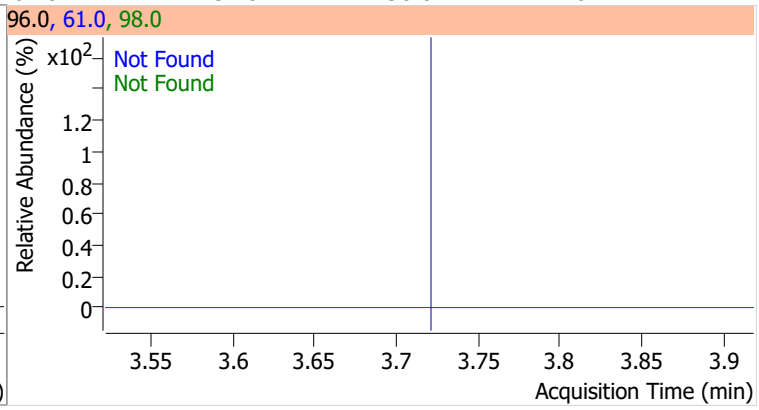




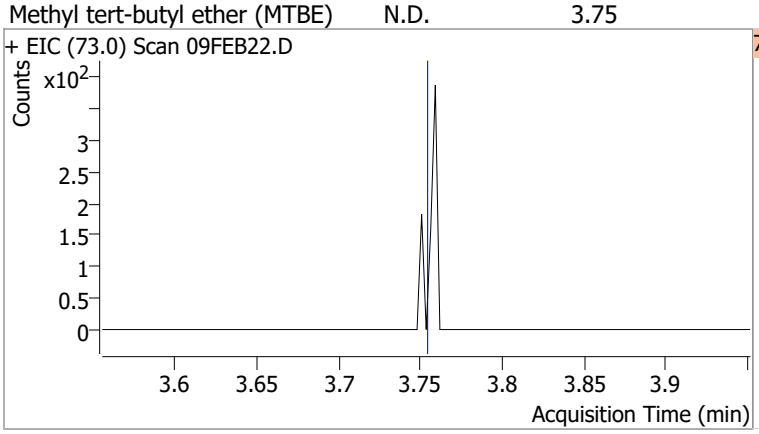


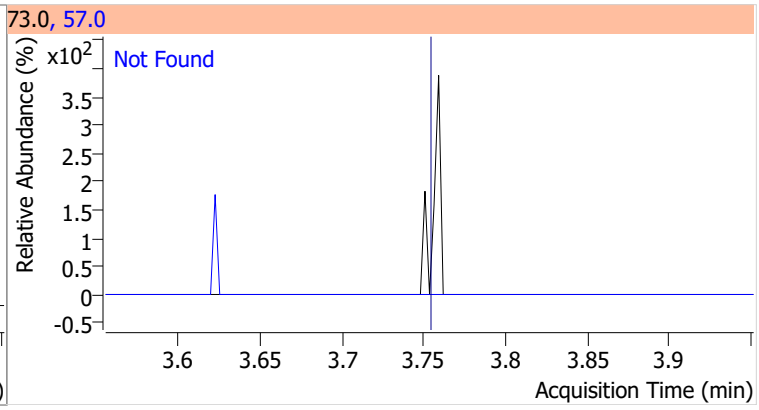
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,2-Dichloroethene	N.D.	3.72	61.0	154.8	98.0	62.1



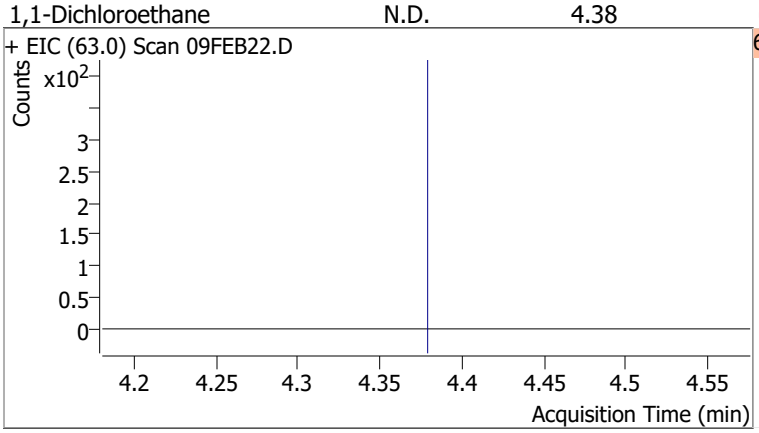


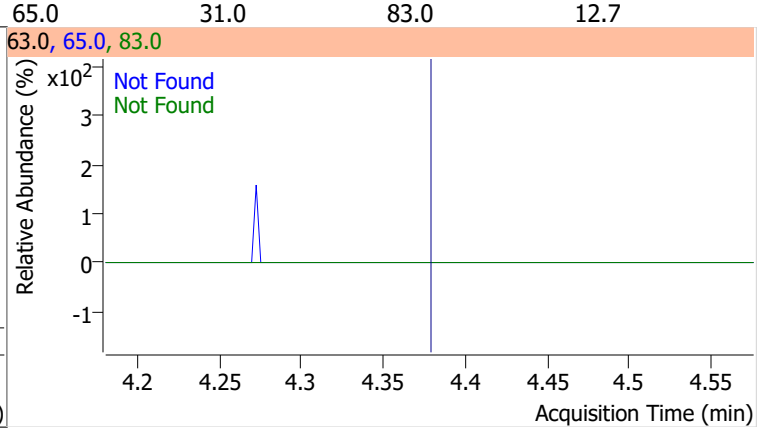
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl tert-butyl ether (MTBE)	N.D.	3.75	57.0	24.6



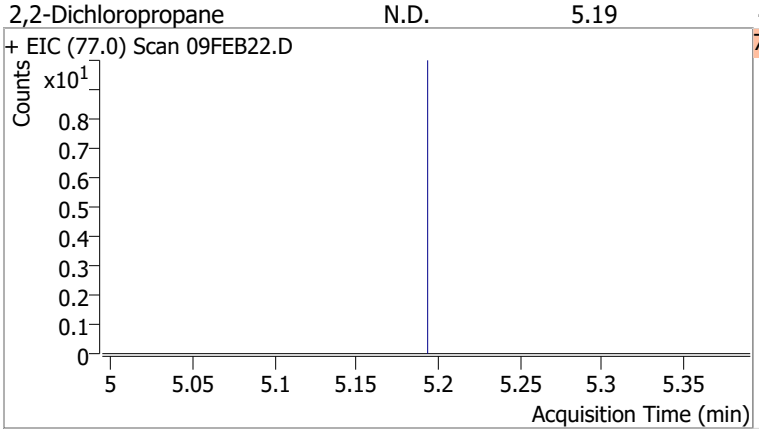


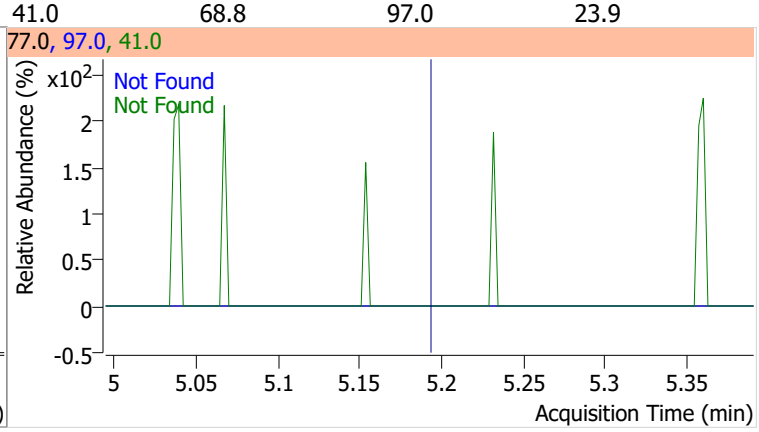
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloroethane	N.D.	4.38	65.0	31.0	83.0	12.7



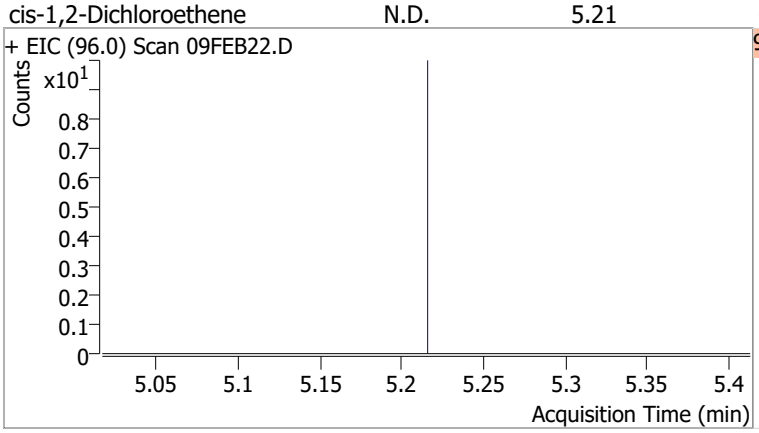


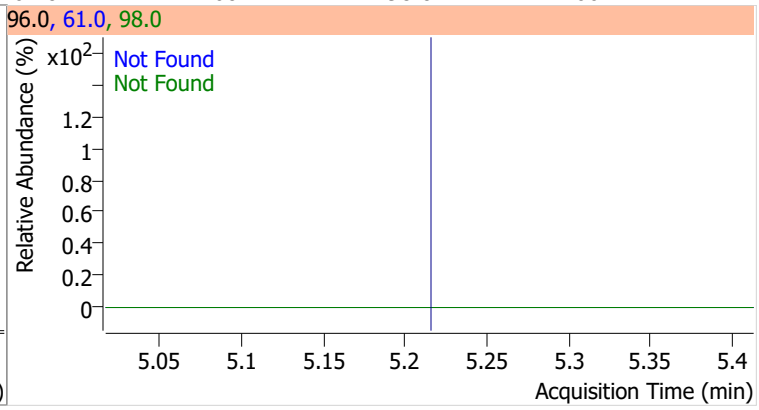
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,2-Dichloropropane	N.D.	5.19	41.0	68.8	97.0	23.9



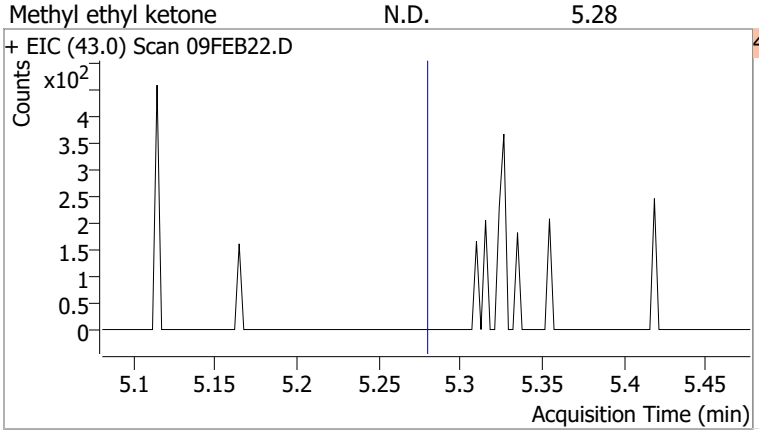


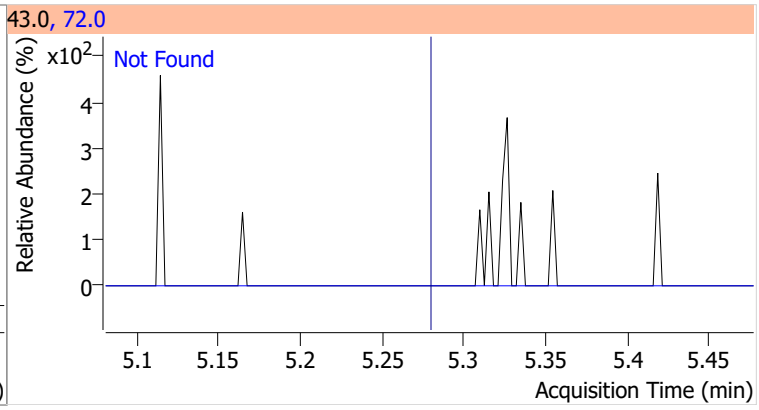
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,2-Dichloroethene	N.D.	5.21	61.0	160.4	98.0	66.2



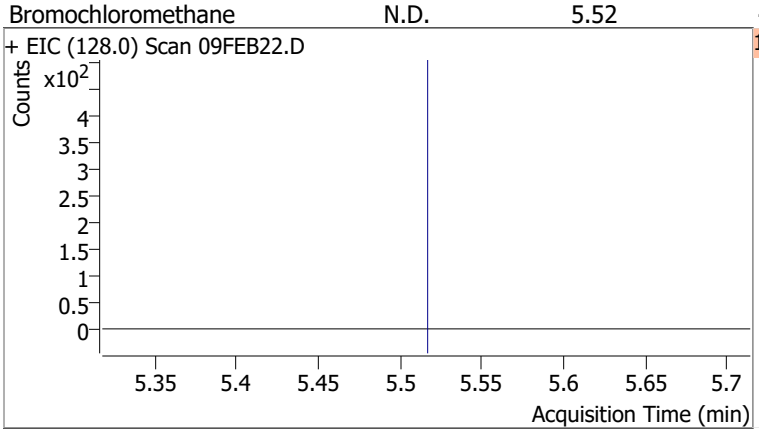


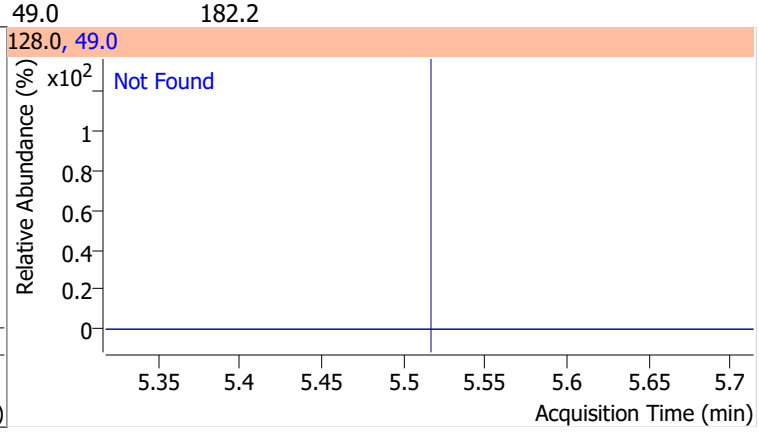
Compound	Conc.	Exp RT	QIon	Exp Ratio
Methyl ethyl ketone	N.D.	5.28	72.0	20.6



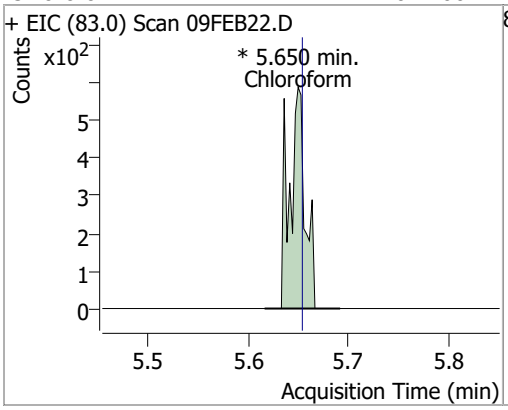


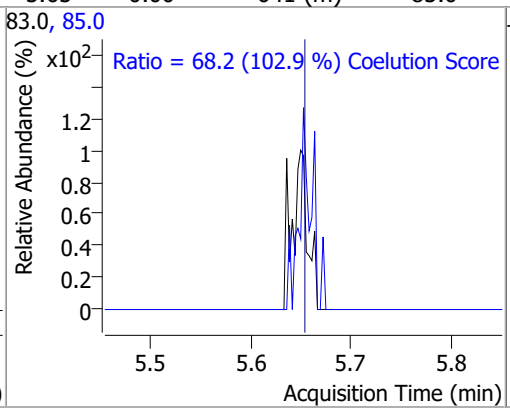
Compound	Conc.	Exp RT	QIon	Exp Ratio
Bromochloromethane	N.D.	5.52	49.0	182.2

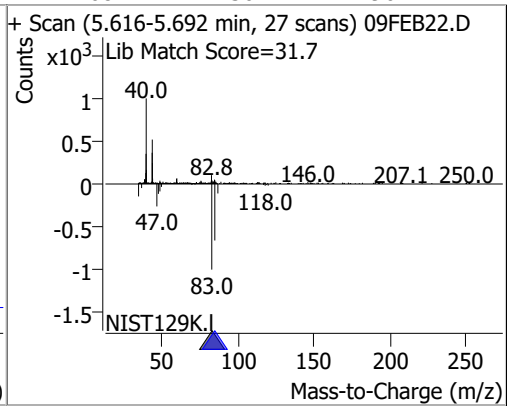




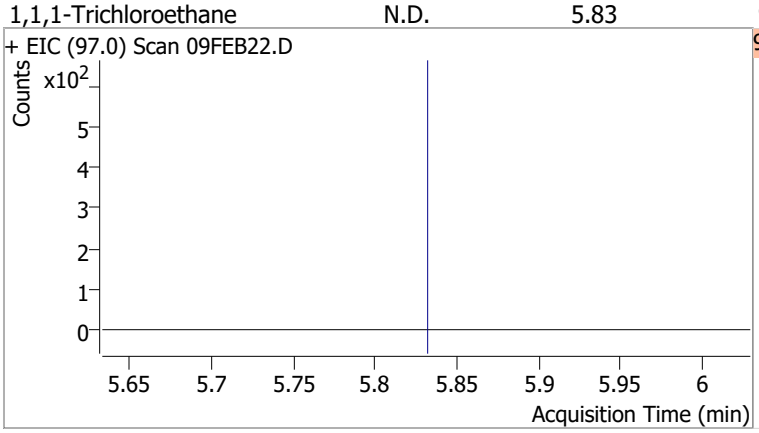
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	0.4400	5.65	0.00	641 (m)	85.0	68.2	36.2	96.2

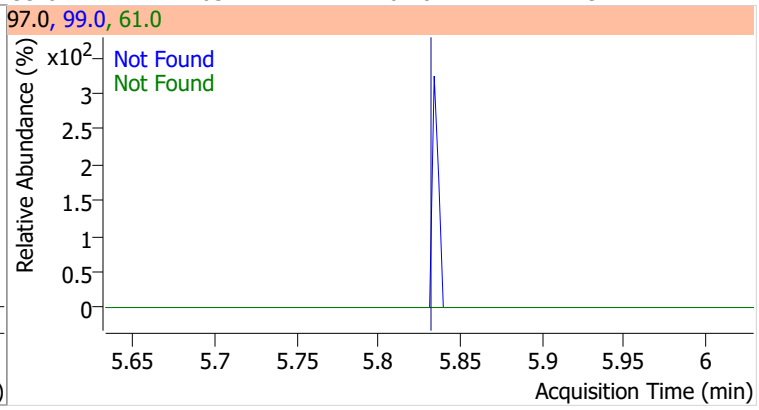




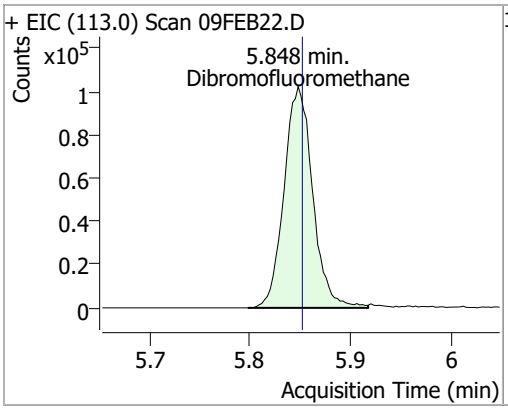


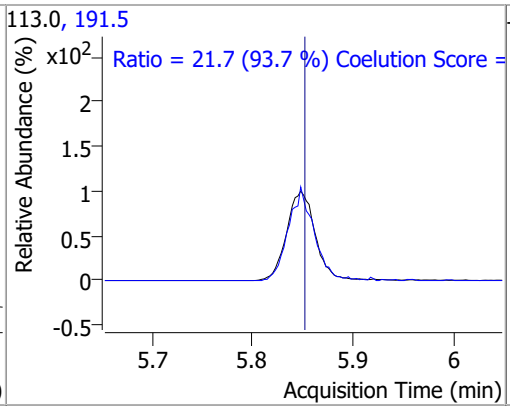
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,1-Trichloroethane	N.D.	5.83	99.0	63.1	61.0	49.1

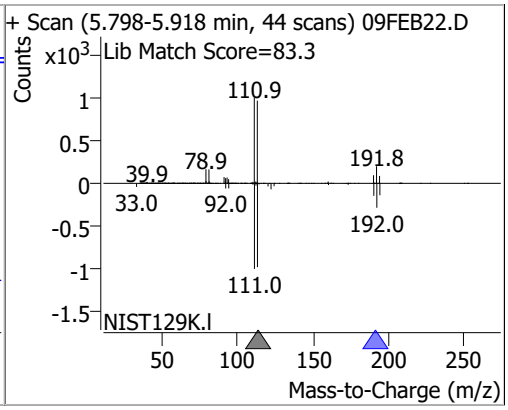




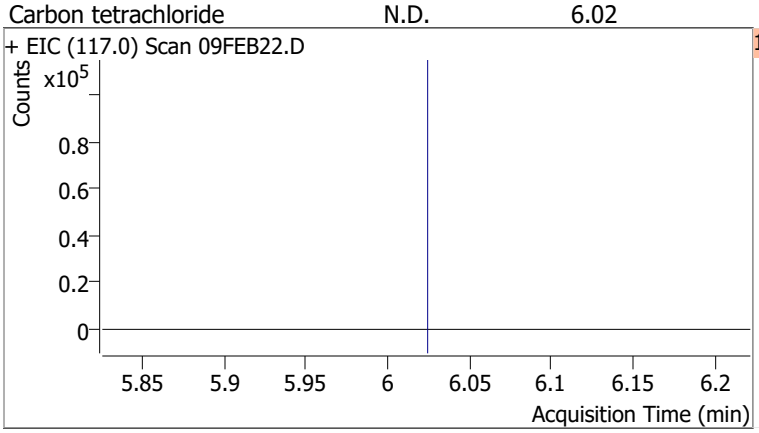
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	278.5971	5.85	0.00	202629	191.5	21.7	0.0	53.2

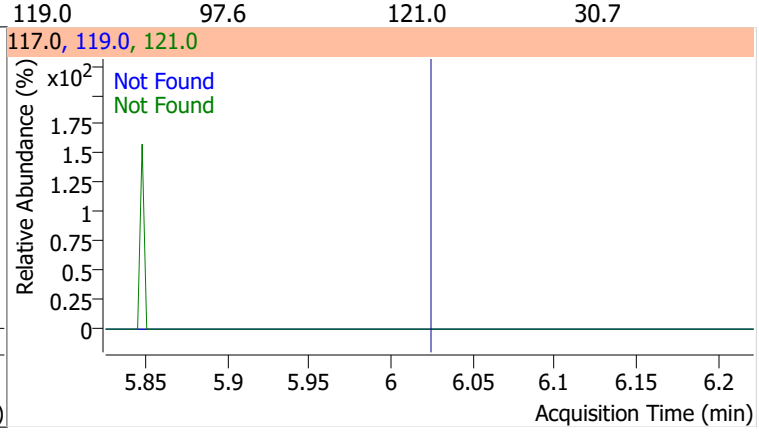




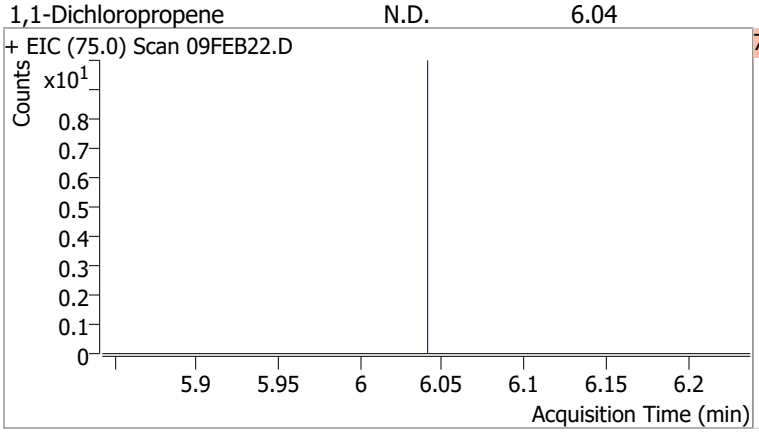


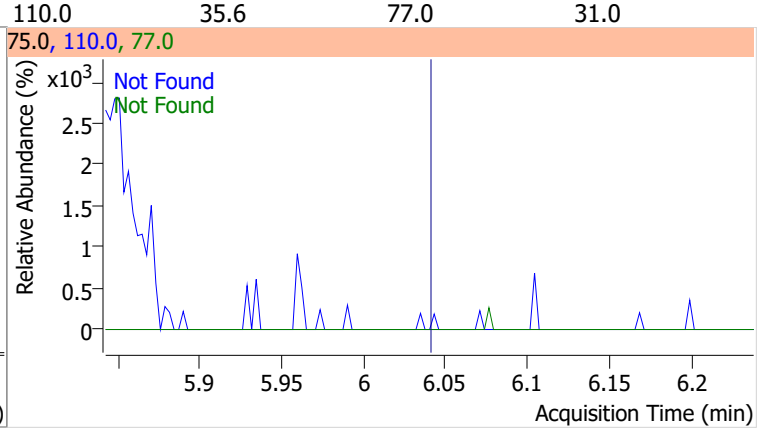
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Carbon tetrachloride	N.D.	6.02	119.0	97.6	121.0	30.7



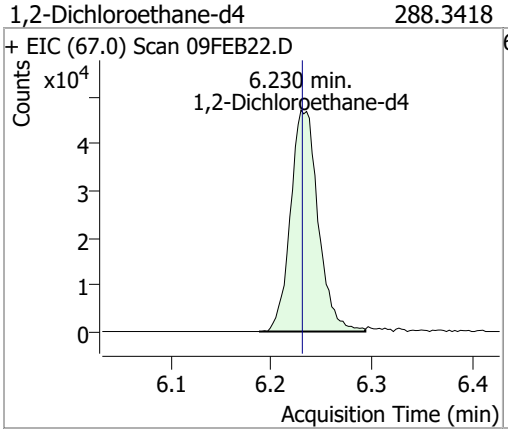


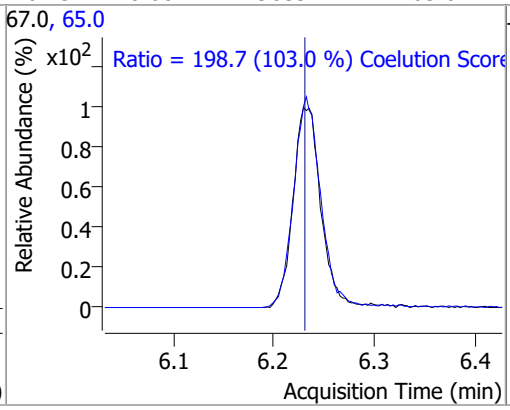
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1-Dichloropropene	N.D.	6.04	110.0	35.6	77.0	31.0

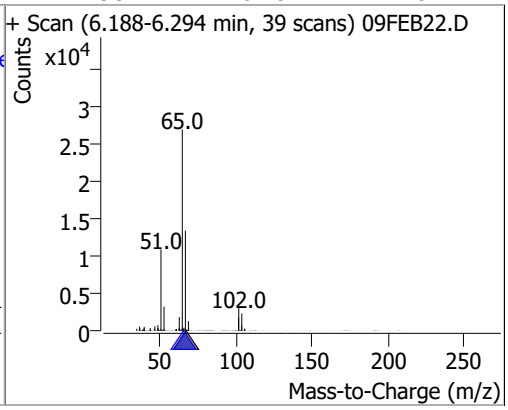




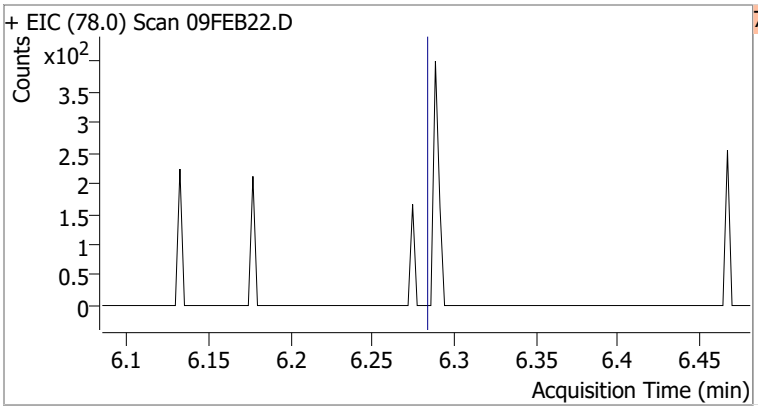
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	288.3418	6.23	0.00	90592	65.0	198.7	162.8	222.8

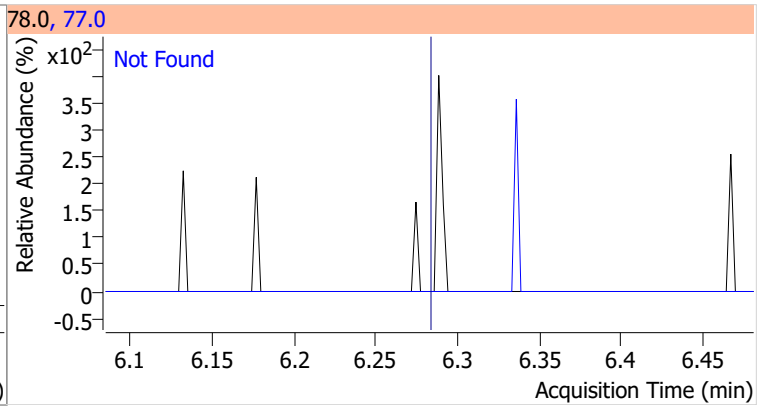




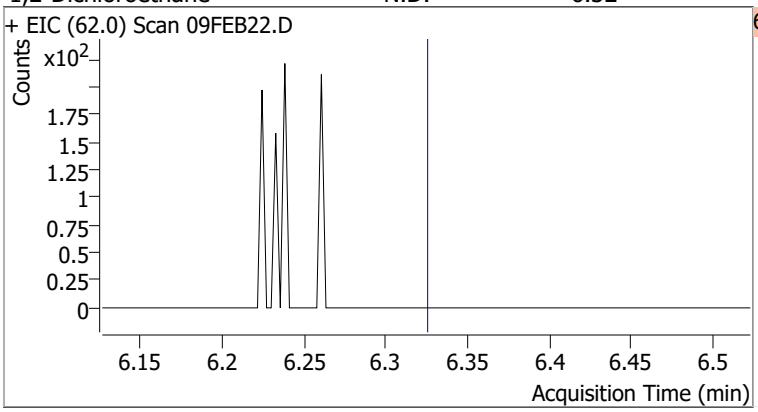


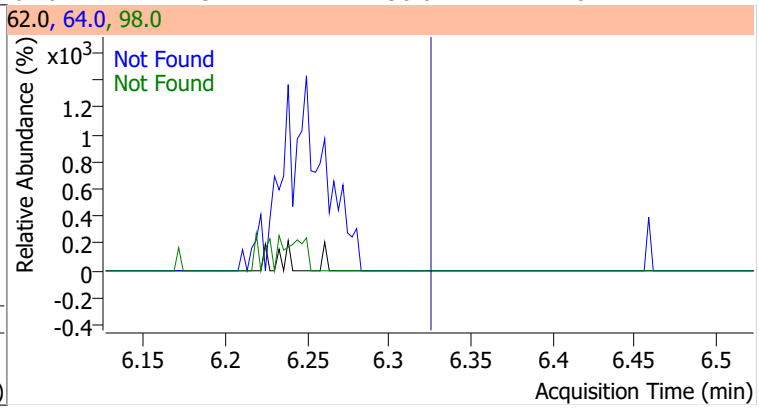
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzene	N.D.	6.28	77.0	23.3



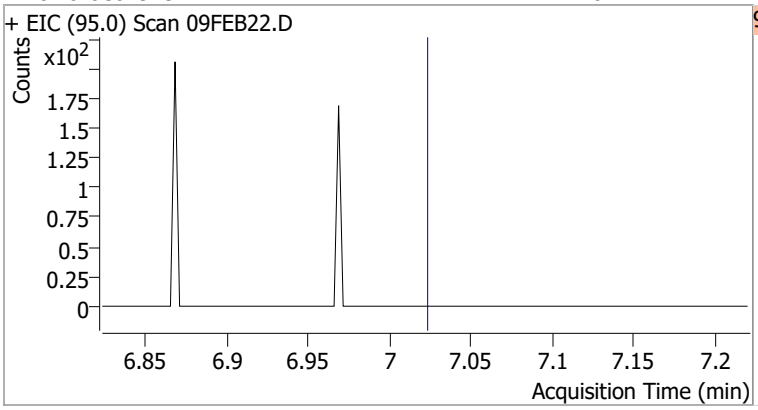


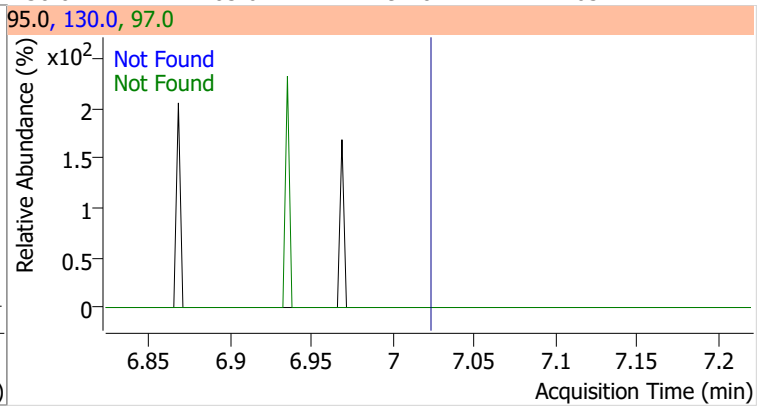
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichloroethane	N.D.	6.32	64.0	32.2	98.0	8.2



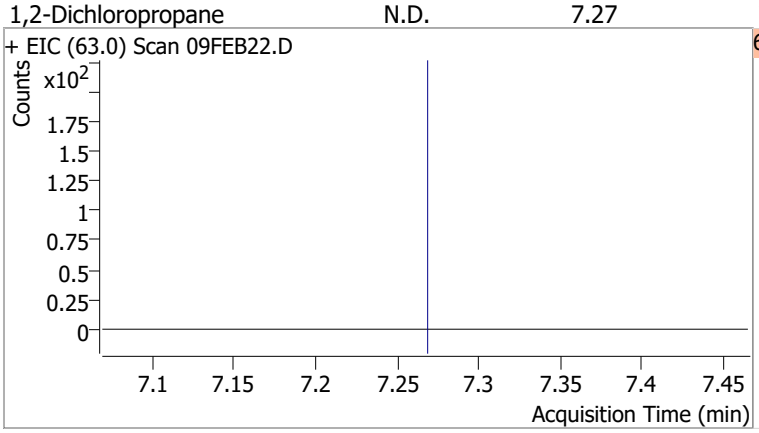


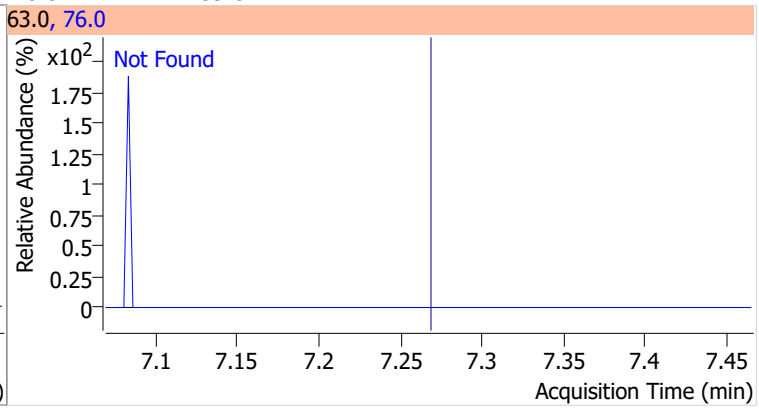
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Trichloroethene	N.D.	7.02	130.0	105.6	97.0	65.7



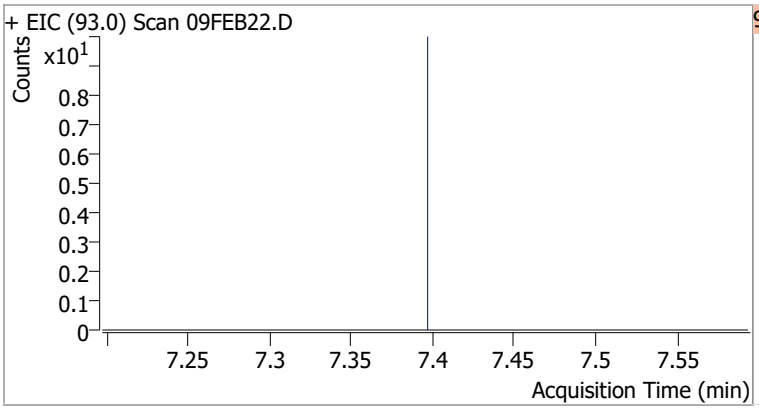


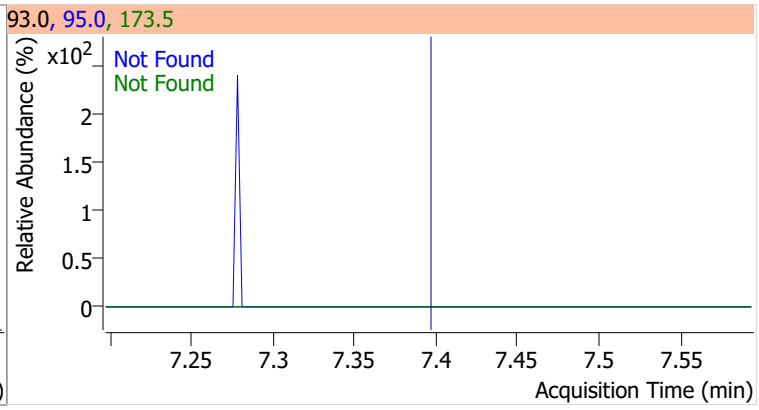
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dichloropropane	N.D.	7.27	76.0	39.8



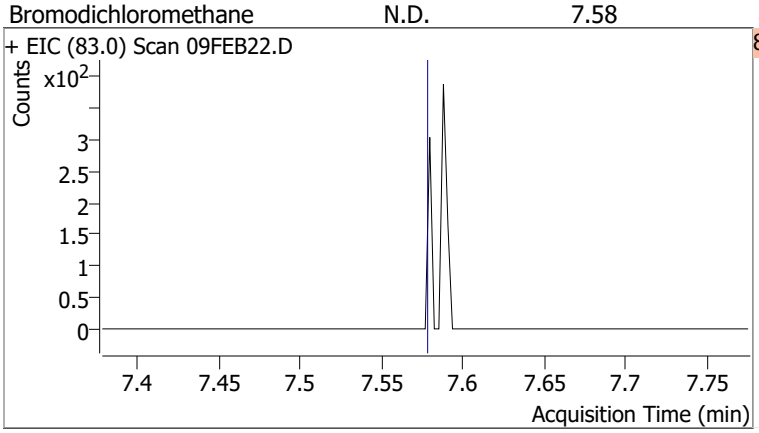


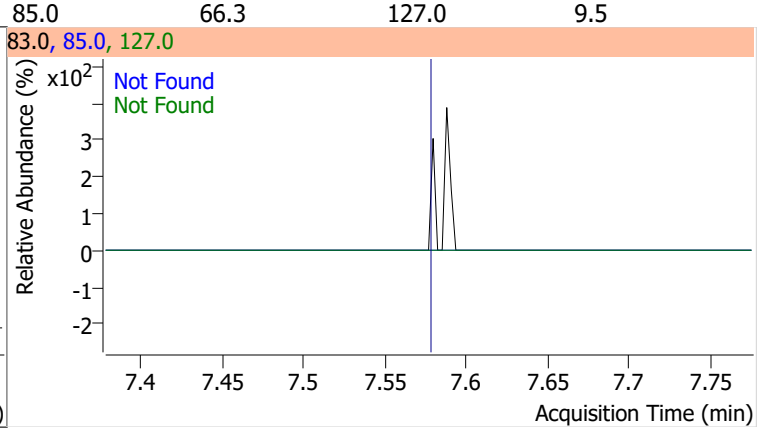
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibromomethane	N.D.	7.40	173.5	108.2	95.0	84.5



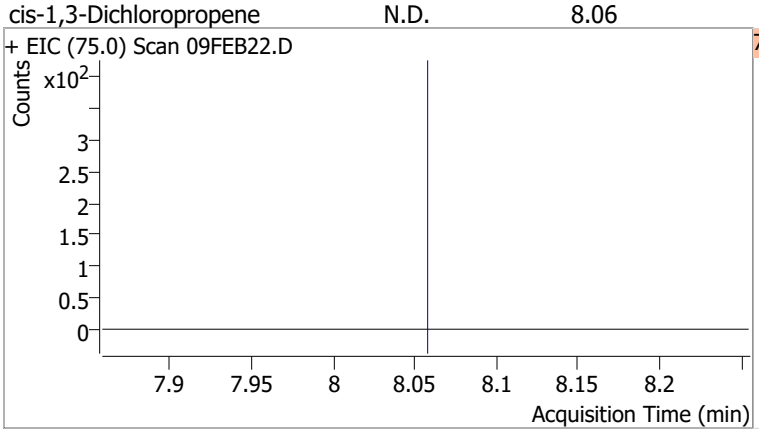


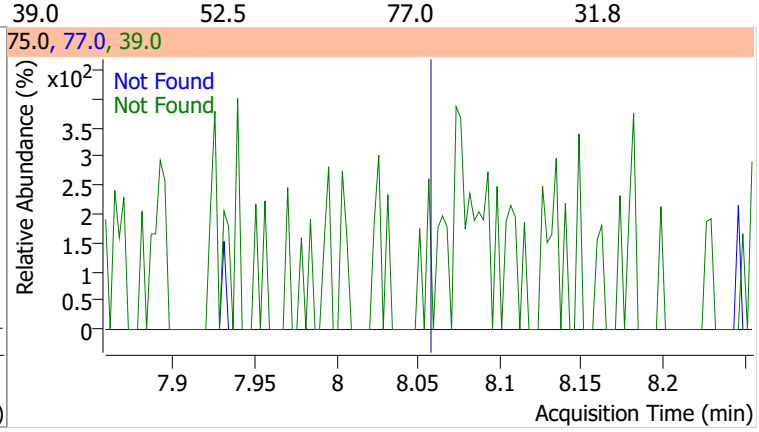
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromodichloromethane	N.D.	7.58	85.0	66.3	127.0	9.5



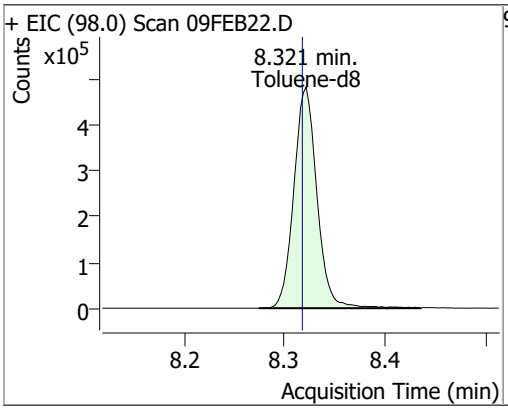


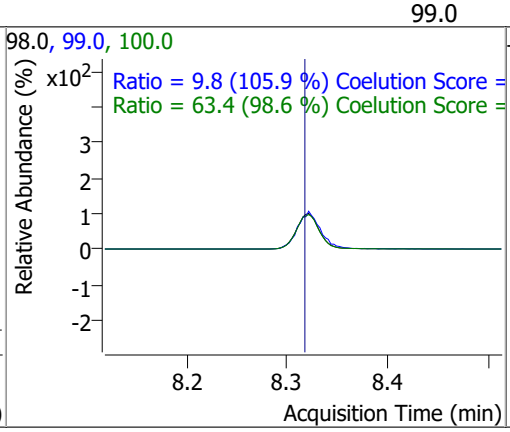
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
cis-1,3-Dichloropropene	N.D.	8.06	39.0	52.5	77.0	31.8

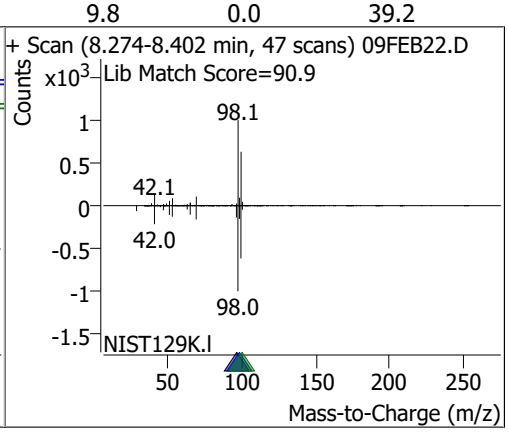




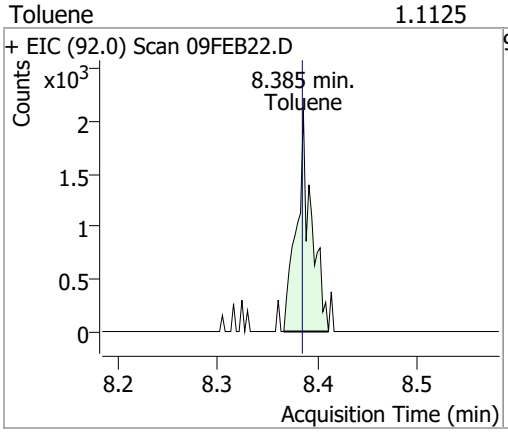
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	263.8728	8.32	0.00	771108	100.0	63.4	34.3	94.3
					99.0	9.8	0.0	39.2

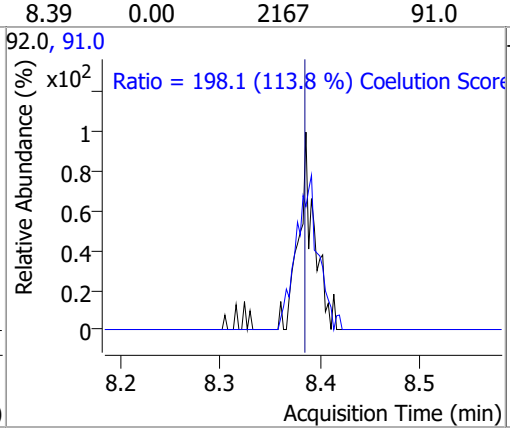


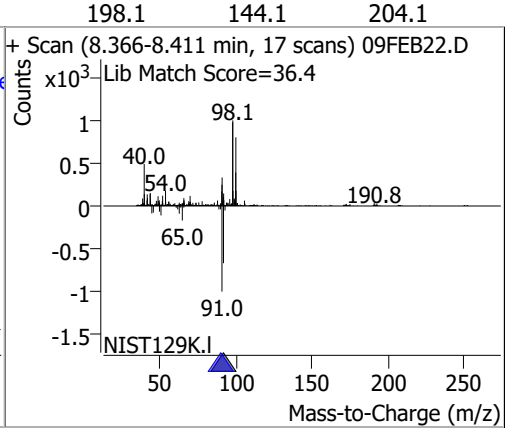




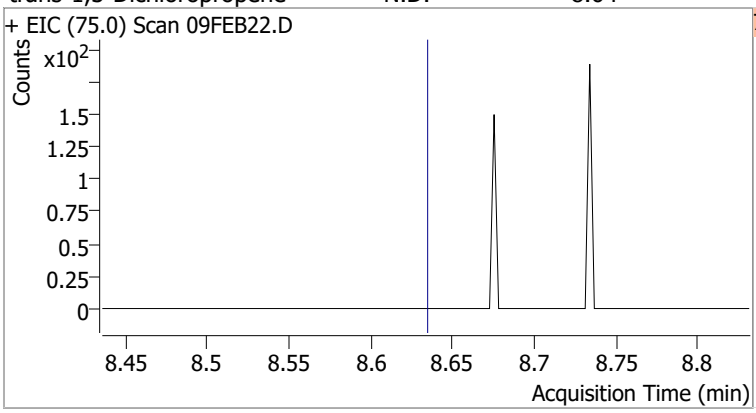
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	1.1125	8.39	0.00	2167	91.0	198.1	144.1	204.1

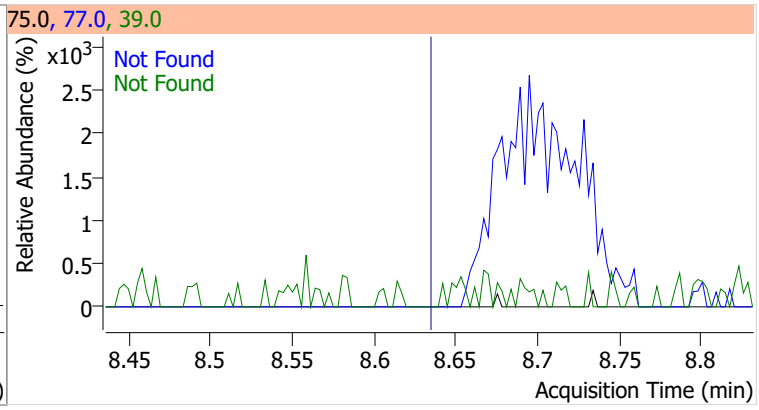




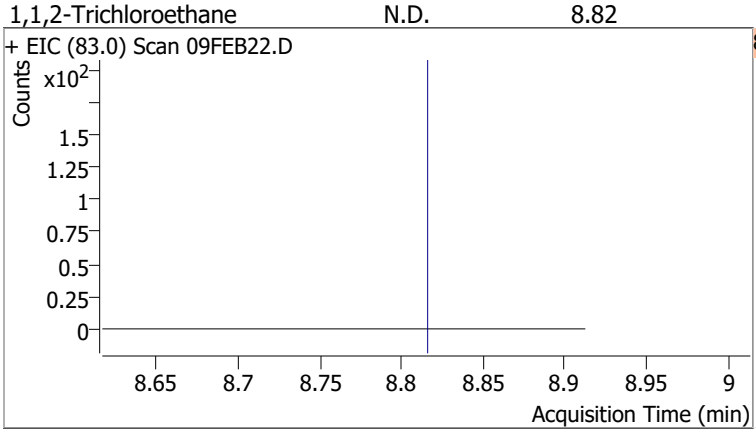


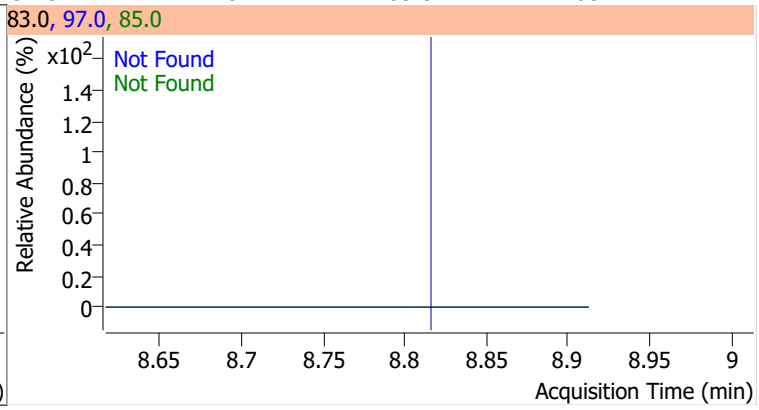
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
trans-1,3-Dichloropropene	N.D.	8.64	39.0	53.0	77.0	31.0



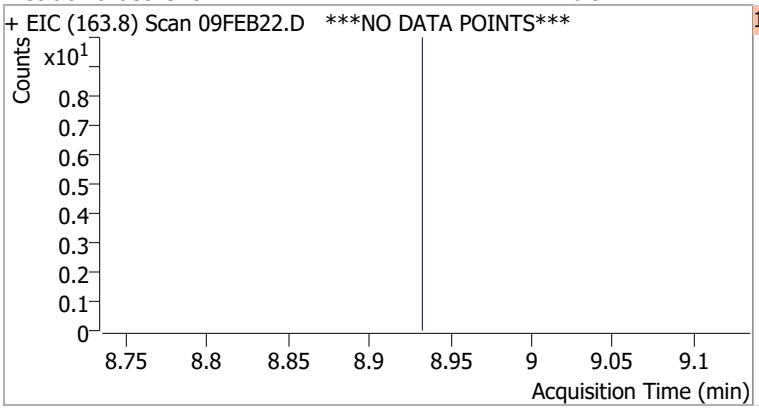


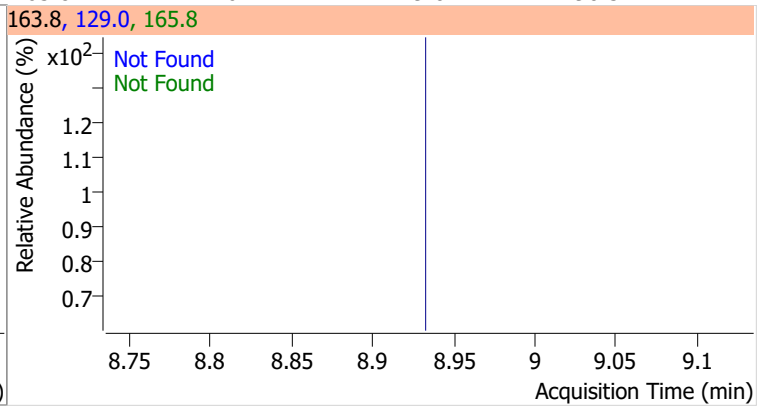
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,1,2-Trichloroethane	N.D.	8.82	97.0	110.7	85.0	60.7



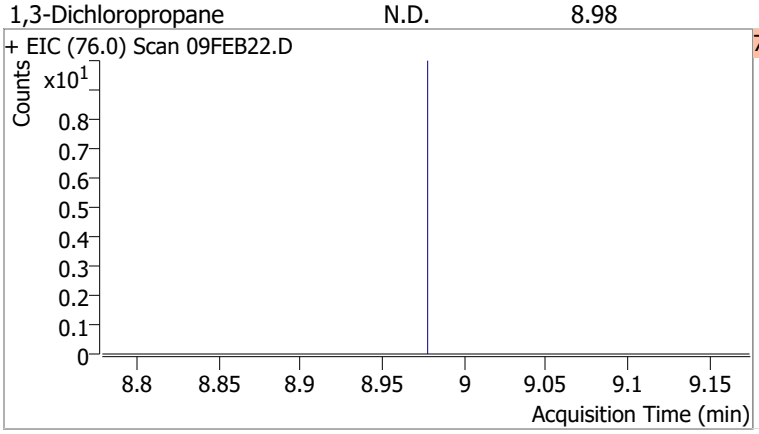


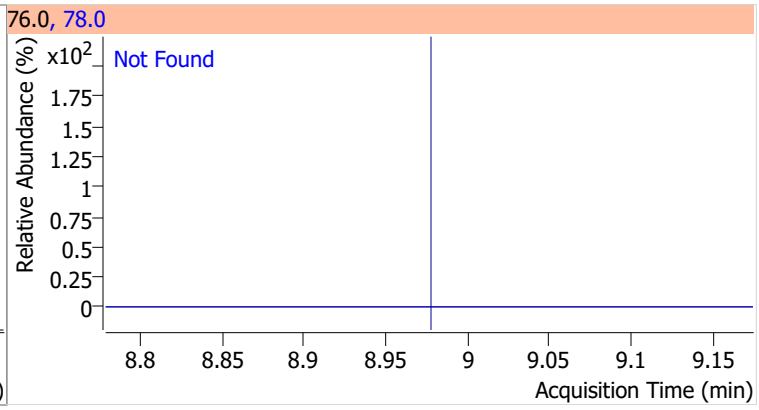
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Tetrachloroethene	N.D.	8.94	165.8	126.1	129.0	90.5



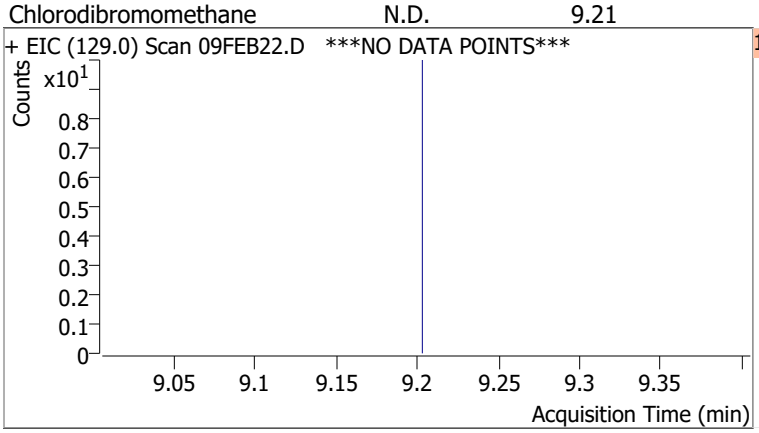


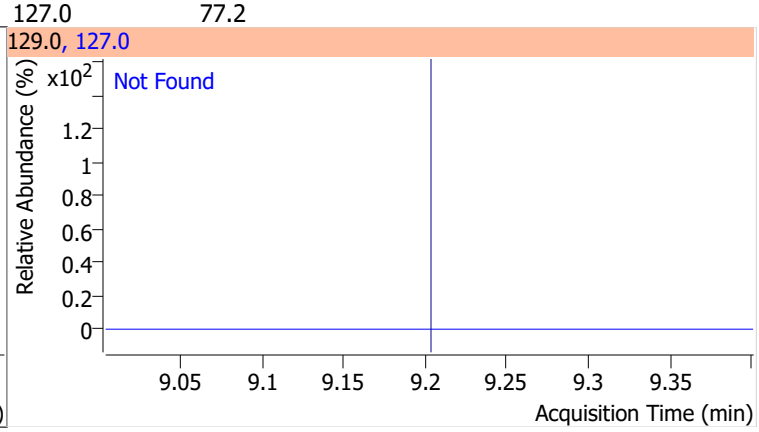
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,3-Dichloropropane	N.D.	8.98	78.0	32.4



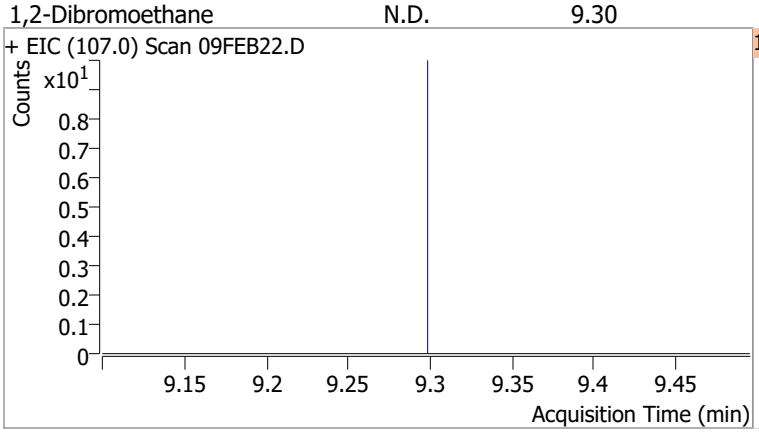


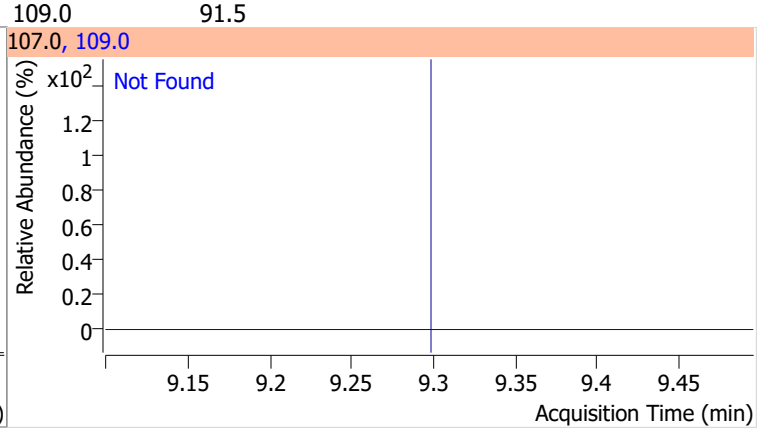
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorodibromomethane	N.D.	9.21	127.0	77.2



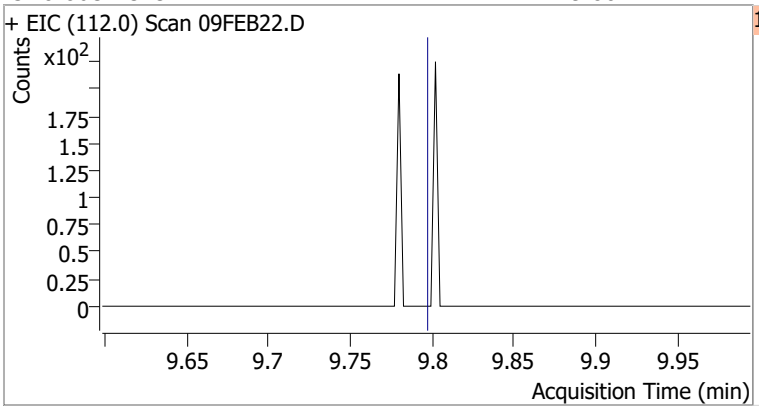


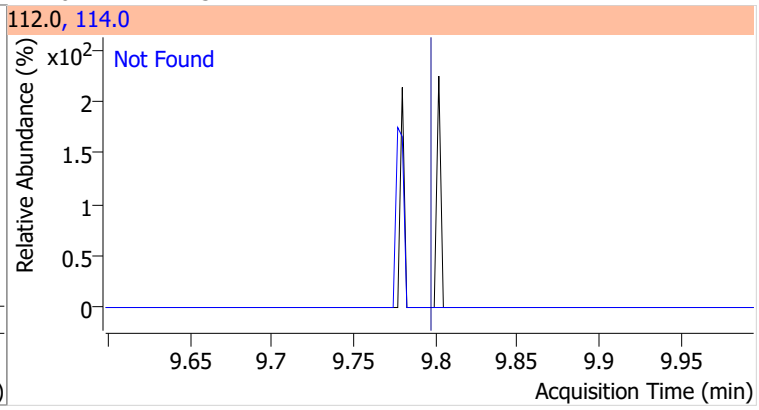
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2-Dibromoethane	N.D.	9.30	109.0	91.5



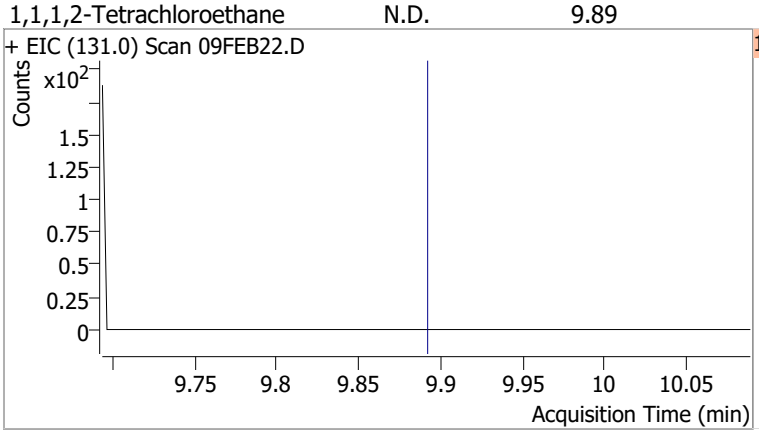


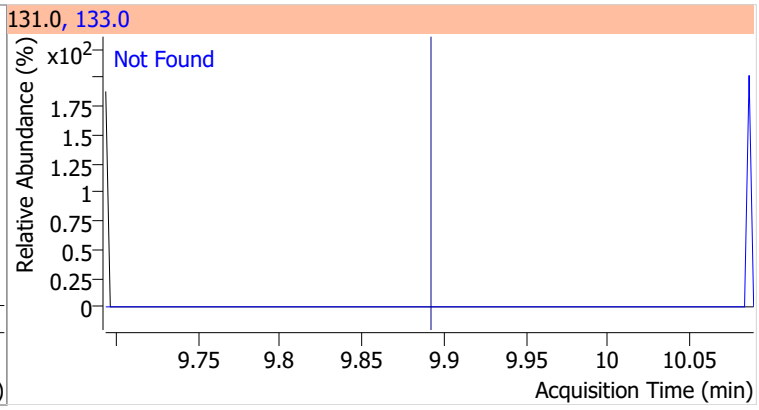
Compound	Conc.	Exp RT	QIon	Exp Ratio
Chlorobenzene	N.D.	9.80	114.0	32.2



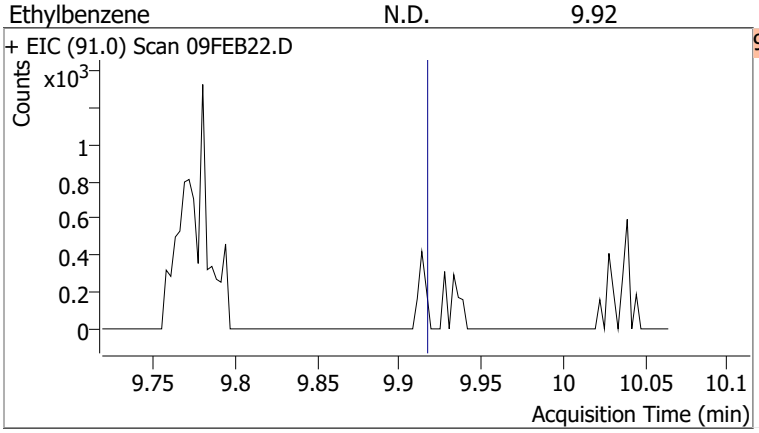


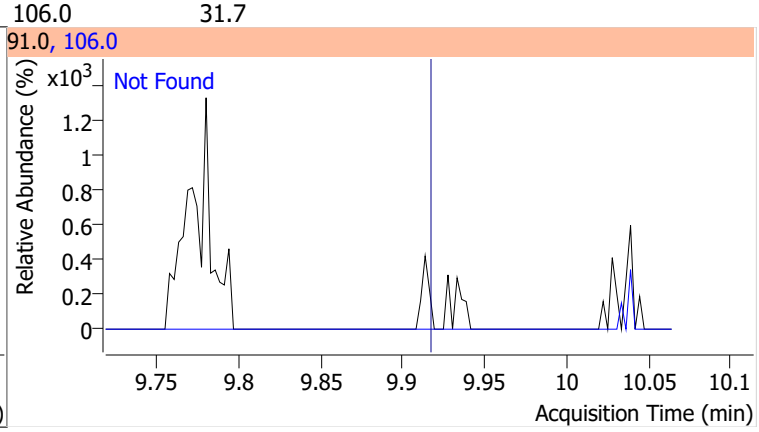
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,1,2-Tetrachloroethane	N.D.	9.89	133.0	95.3



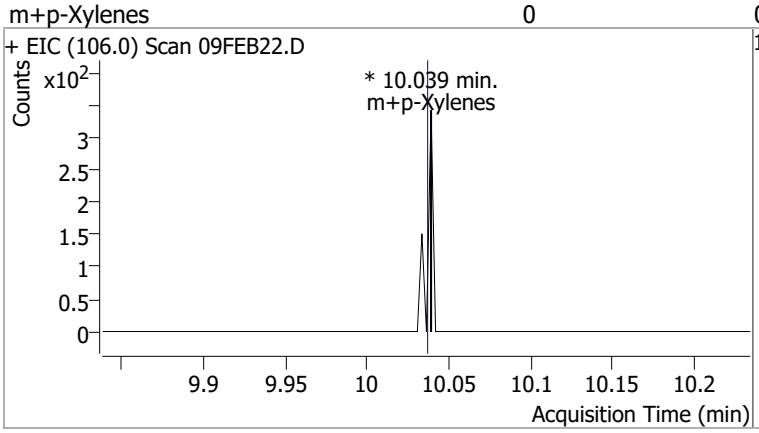


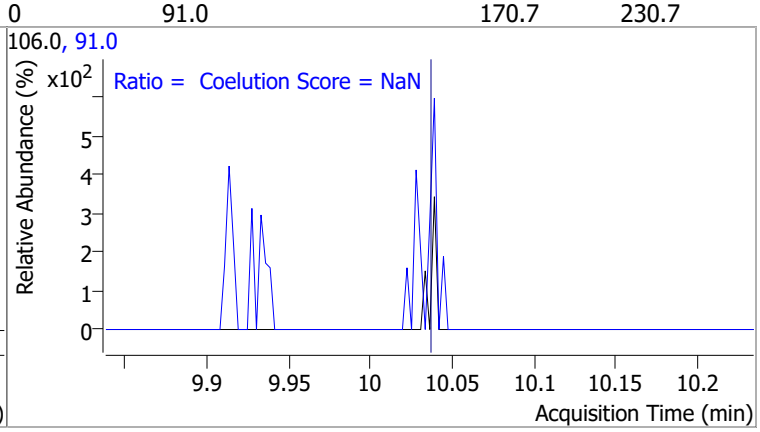
Compound	Conc.	Exp RT	QIon	Exp Ratio
Ethylbenzene	N.D.	9.92	106.0	31.7



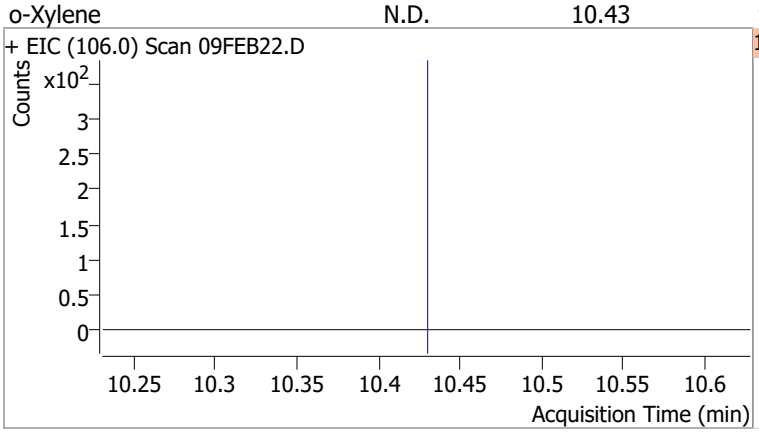


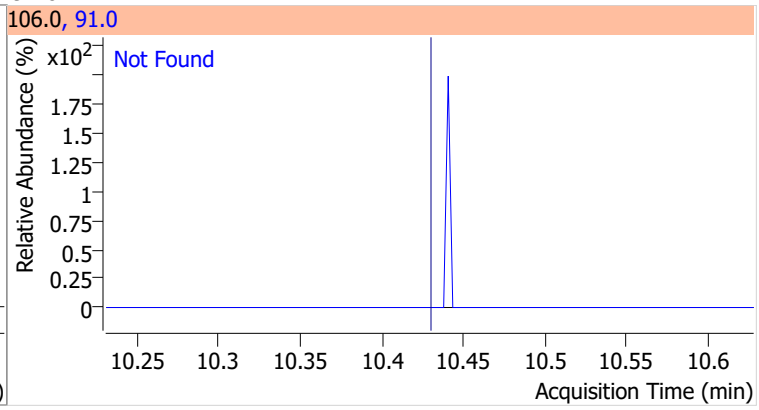
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes		0		0	91.0		170.7	230.7



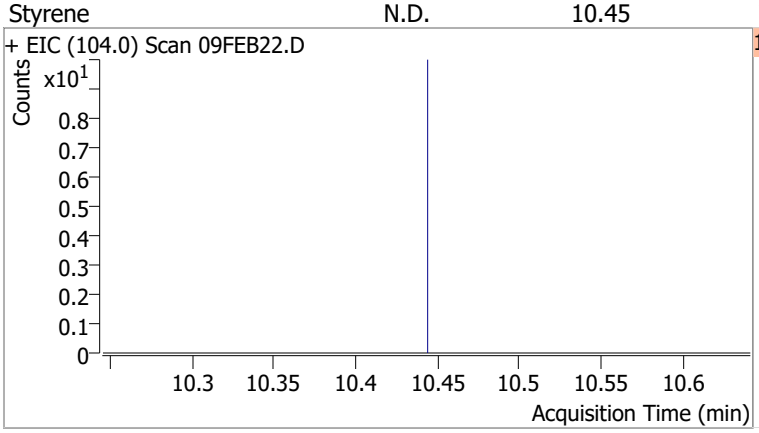


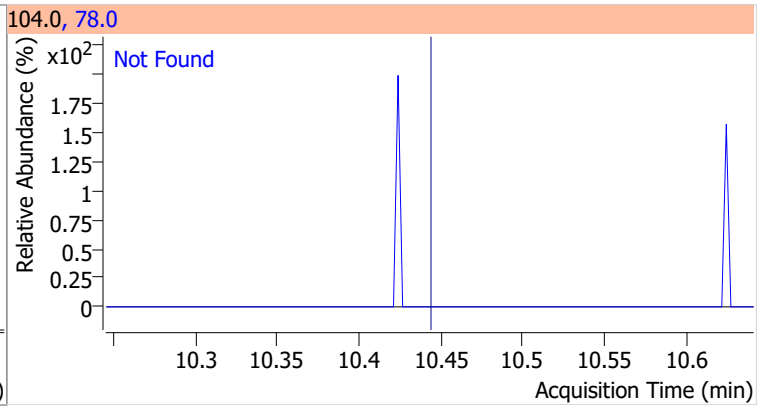
Compound	Conc.	Exp RT	QIon	Exp Ratio
o-Xylene	N.D.	10.43	91.0	211.4



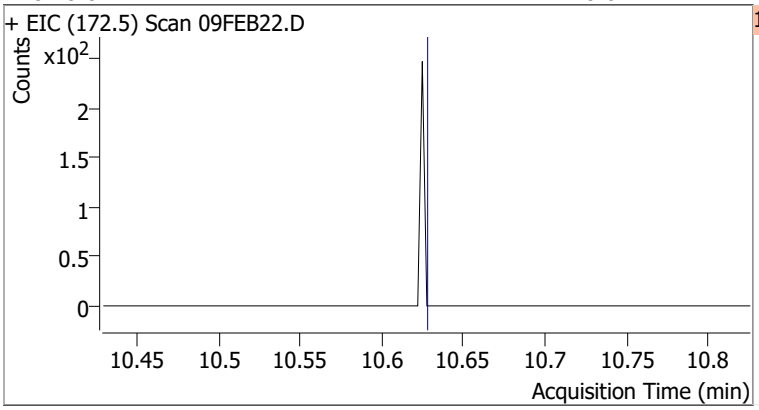


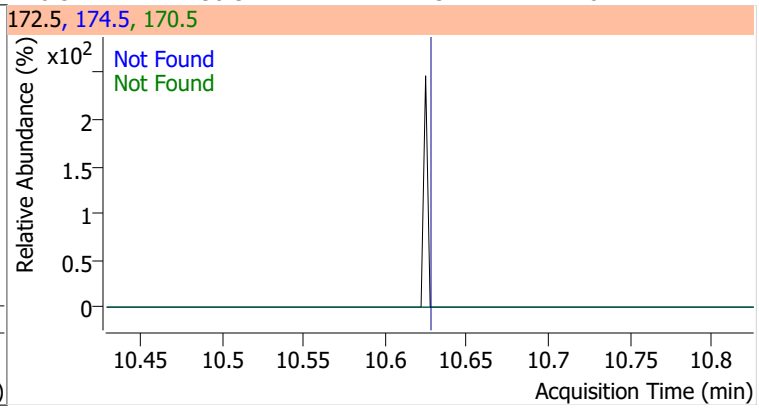
Compound	Conc.	Exp RT	QIon	Exp Ratio
Styrene	N.D.	10.45	78.0	50.6



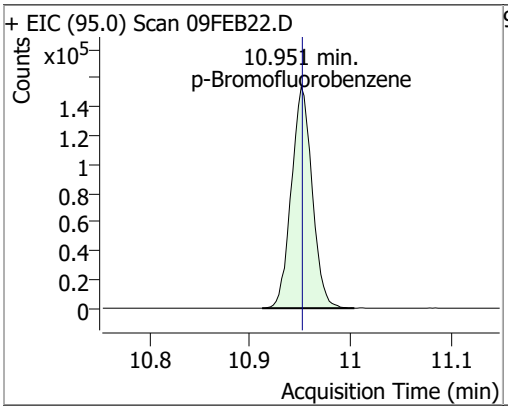


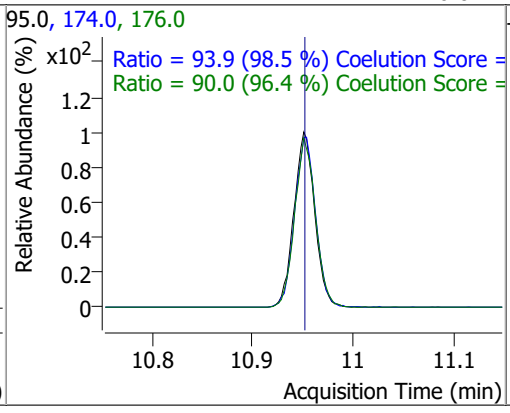
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromoform	N.D.	10.62	170.5	50.3	174.5	48.1

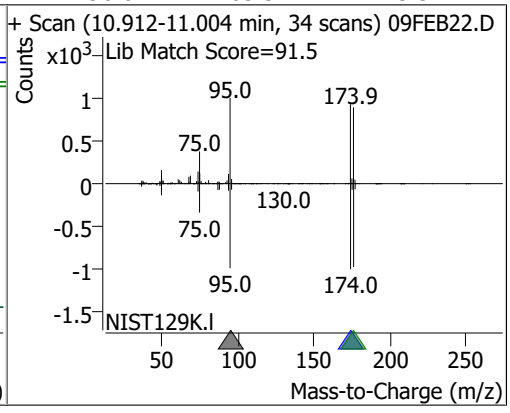




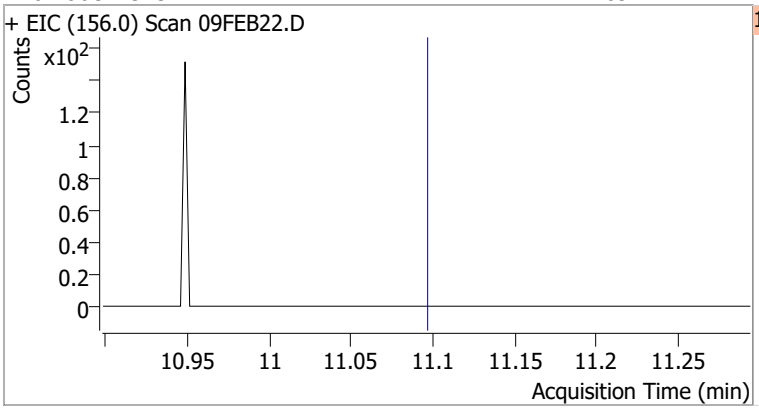
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	268.1787	10.95	0.00	221691	174.0	93.9	65.3	125.3
					176.0	90.0	63.3	123.3

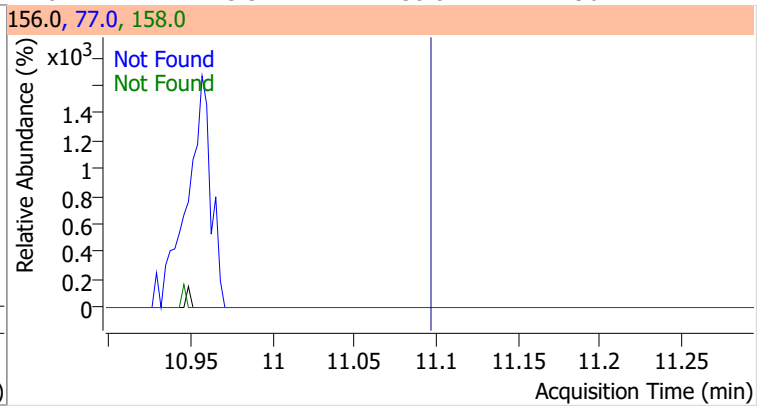




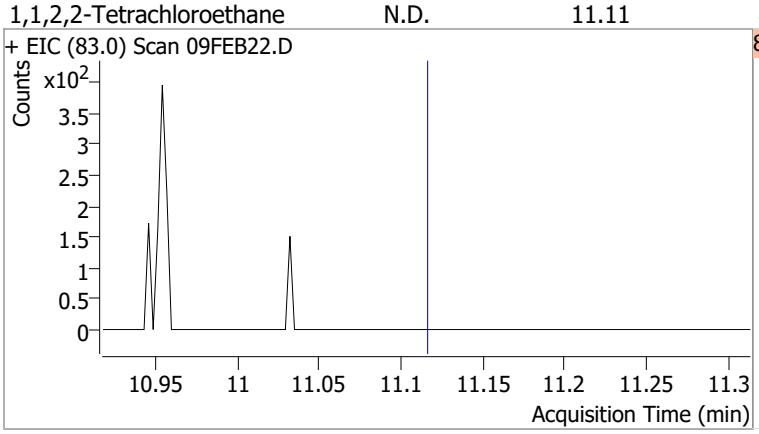


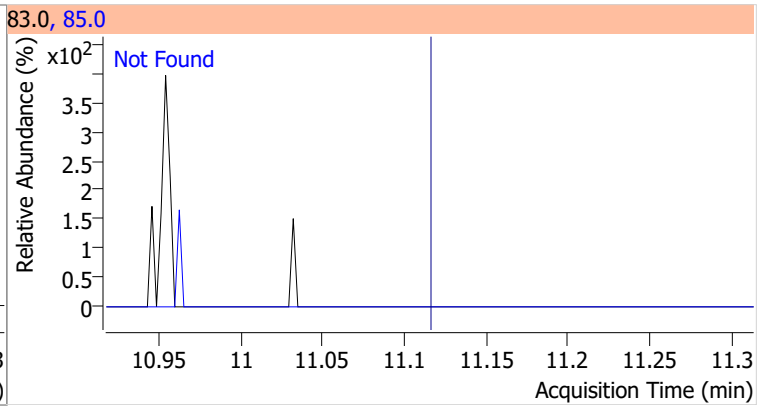
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Bromobenzene	N.D.	11.09	77.0	143.5	158.0	96.1



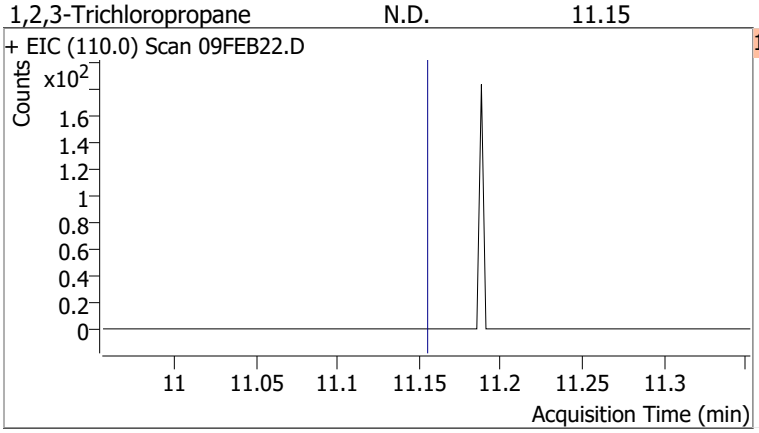


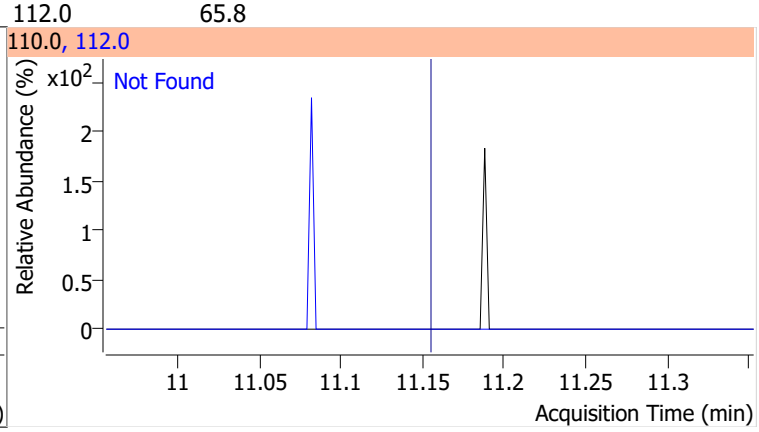
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,1,2,2-Tetrachloroethane	N.D.	11.11	85.0	63.3



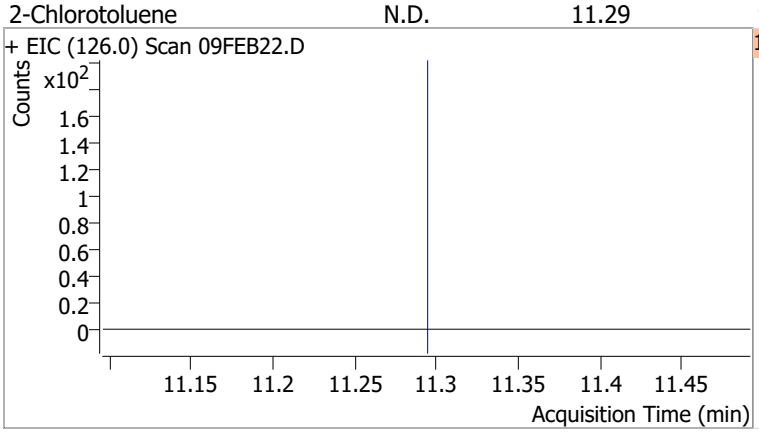


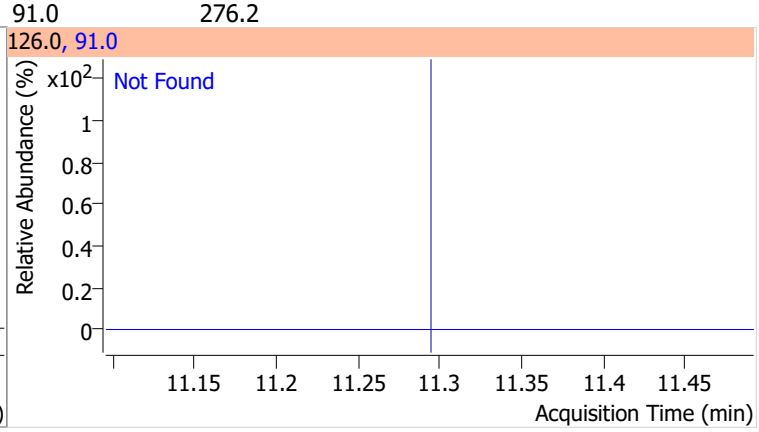
Compound	Conc.	Exp RT	QIon	Exp Ratio
1,2,3-Trichloropropane	N.D.	11.15	112.0	65.8



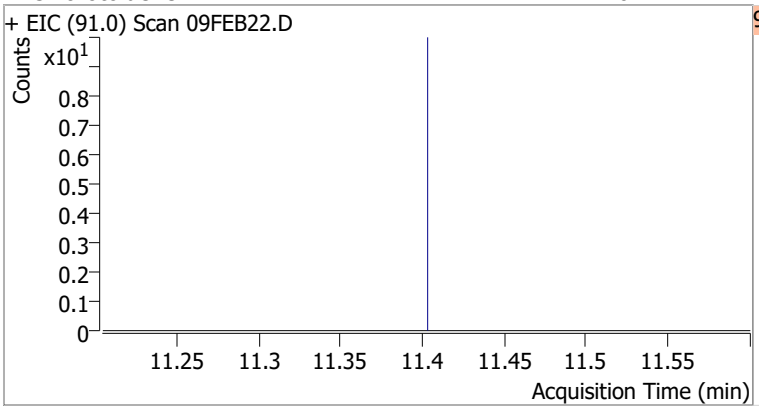


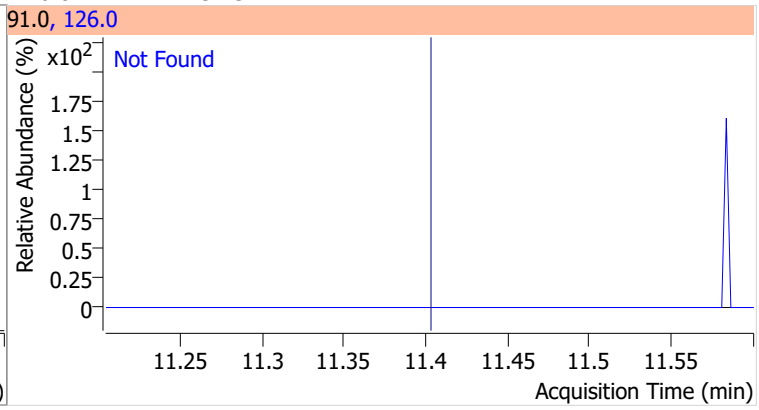
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorotoluene	N.D.	11.29	91.0	276.2



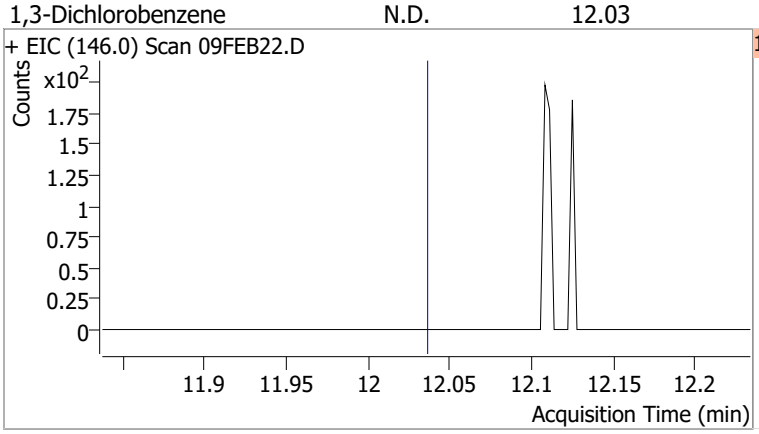


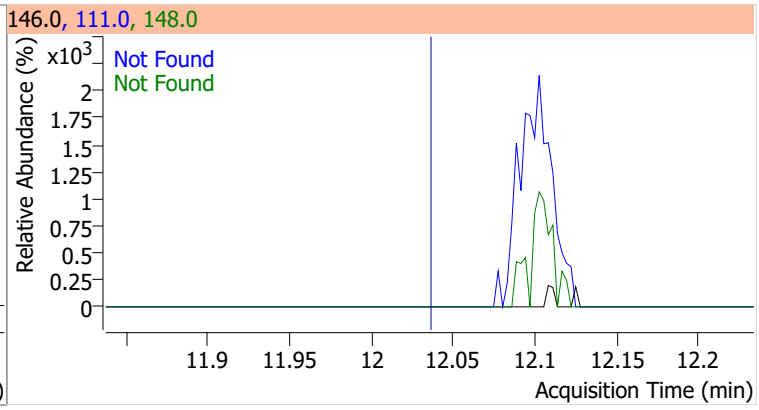
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorotoluene	N.D.	11.40	126.0	31.3



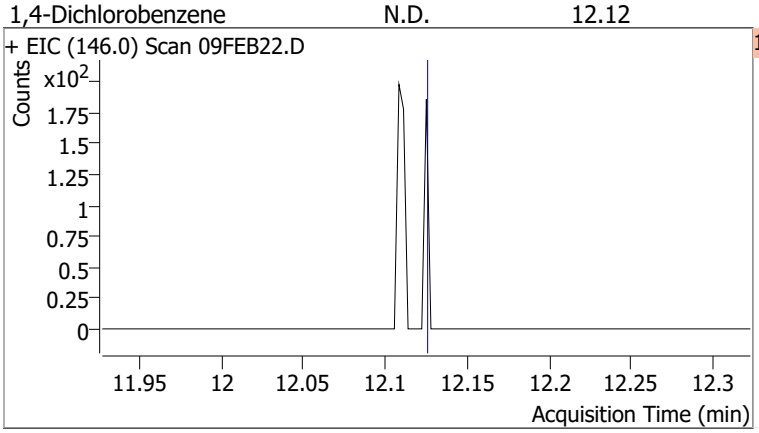


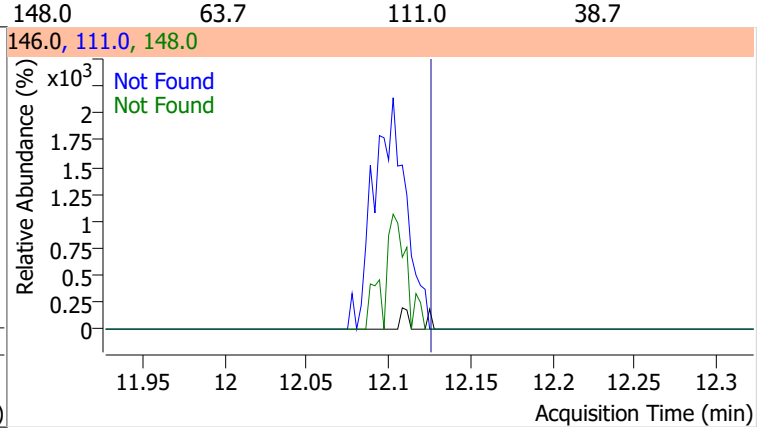
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	12.03	148.0	62.8	111.0	38.7



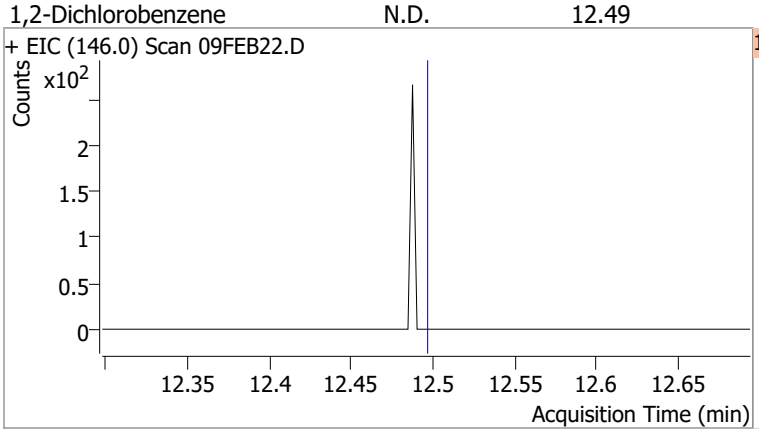


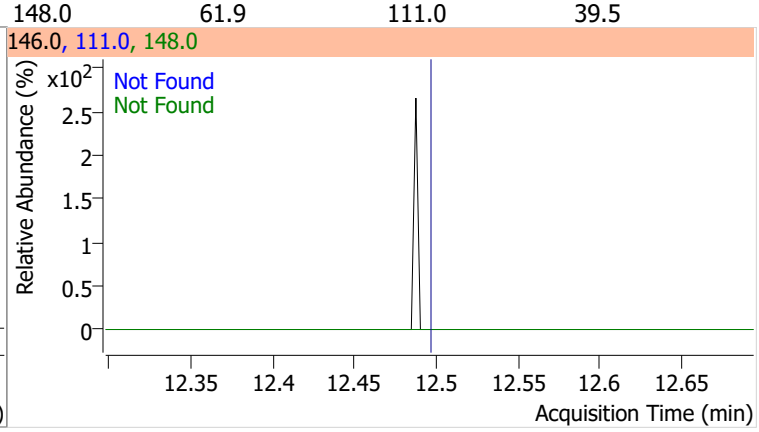
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	12.12	148.0	63.7	111.0	38.7





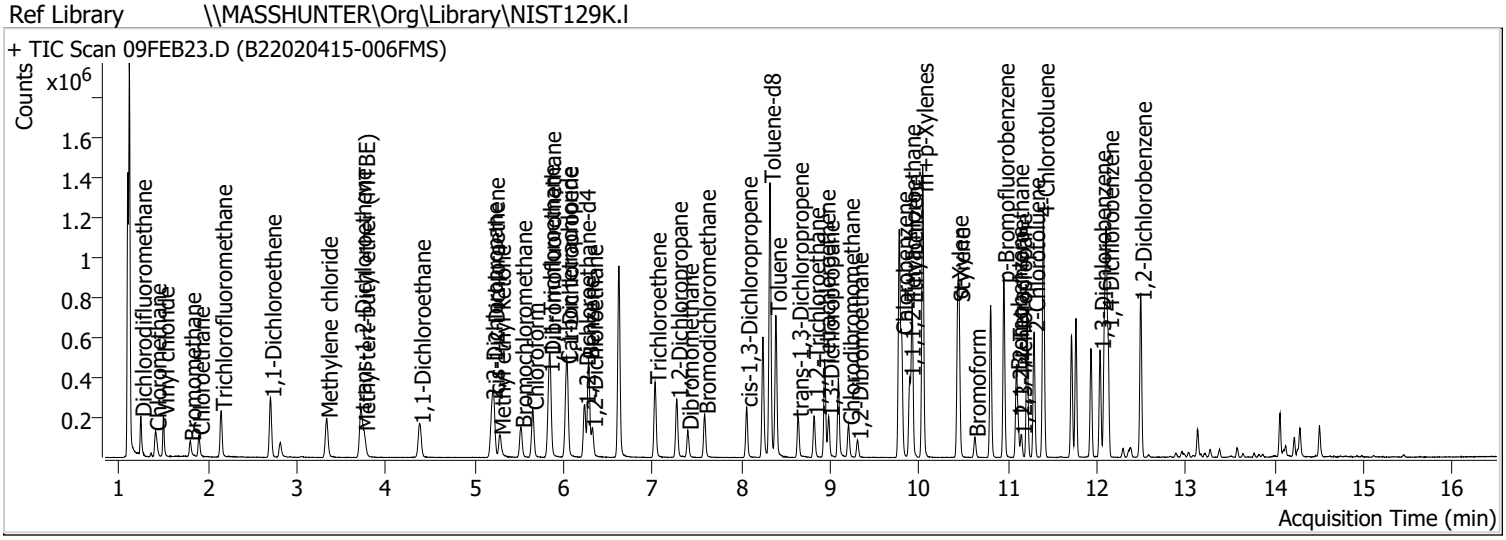
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	12.49	148.0	61.9	111.0	39.5





Quantitation Results Report (QT Reviewed)

Data File	09FEB23.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 3:40:10 PM
Sample Name	B22020415-006FMS	Instrument	VOA5975C
Vial	23	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

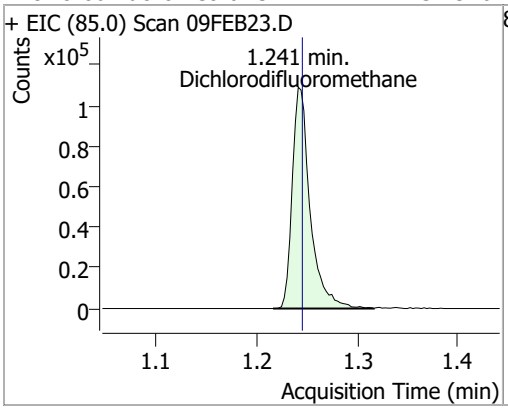


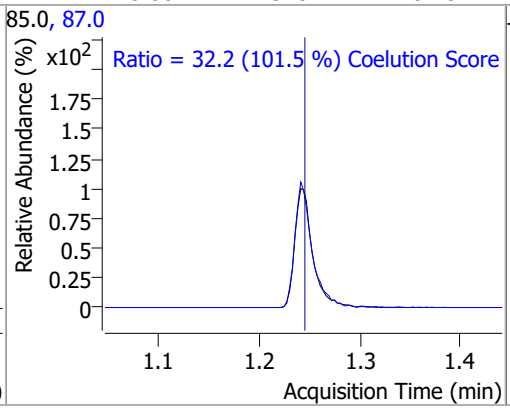
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M Fluorobenzene	6.621	96.0	813429	250.0000	ng	0.000
M Chlorobenzene-d5	9.772	82.0	307827	250.0000	ng	-0.003
M 1,4-Dichlorobenzene-d4	12.100	152.0	260400	250.0000	ng	0.000
System Monitoring Compounds						
S Dibromofluoromethane	5.845	113.0	209514	265.9236	ng	-0.005
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 106.37%		
S 1,2-Dichloroethane-d4	6.236	67.0	93498	274.7191	ng	0.006
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 109.89%		
S Toluene-d8	8.319	98.0	830336	276.4885	ng	0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 110.60%		
S p-Bromofluorobenzene	10.949	95.0	251587	261.6726	ng	0.000
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 104.67%		
Target Compounds						**QValue**
T Dichlorodifluoromethane	1.241	85.0	134814	123.2576	ng	99
T Chloromethane	1.409	50.0	152604	118.5081	ng	100
T Vinyl chloride	1.498	62.0	140766	120.0953	ng	99
T Bromomethane	1.799	96.0	40474	81.6054	ng	93
T Chloroethane	1.897	64.0	72231	130.2520	ng	96
T Trichlorofluoromethane	2.148	101.0	163297	116.1815	ng	100
T 1,1-Dichloroethene	2.702	96.0	103098	126.0625	ng	98
T Methylene chloride	3.336	49.0	142358	119.7231	ng	99
T trans-1,2-Dichloroethene	3.715	96.0	105574	124.9598	ng	99
T Methyl tert-butyl ether (MTBE)	3.754	73.0	127605	120.8411	ng	98
T 1,1-Dichloroethane	4.381	63.0	204637	129.4197	ng	98
T 2,2-Dichloropropane	5.193	77.0	145077	121.7496	ng	97
T cis-1,2-Dichloroethene	5.212	96.0	105025	122.7738	ng	97
T Methyl ethyl ketone	5.282	43.0	155001	1253.8091	ng	99
T Bromochloromethane	5.522	128.0	42764	121.2461	ng	95
T Chloroform	5.653	83.0	185538	117.5202	ng	96

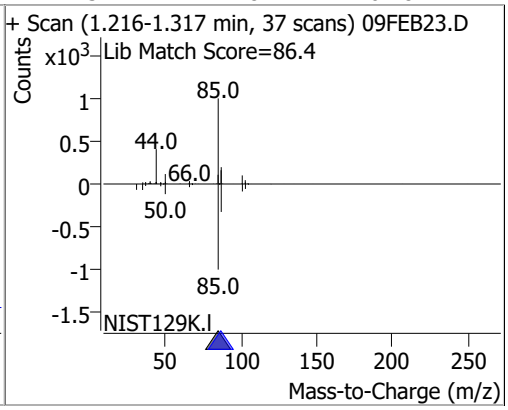
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	5.831	97.0	179826	123.4500	ng	100
T Carbon tetrachloride	6.029	117.0	174724	123.6742	ng	99
T 1,1-Dichloropropene	6.040	75.0	143221	121.2477	ng	99
T Benzene	6.278	78.0	404377	124.4424	ng	99
T 1,2-Dichloroethane	6.319	62.0	105674	117.7392	ng	100
T Trichloroethene	7.030	95.0	119110	129.2485	ng	95
T 1,2-Dichloropropane	7.270	63.0	101836	125.6848	ng	96
T Dibromomethane	7.396	93.0	43549	127.5140	ng	98
T Bromodichloromethane	7.585	83.0	124647	129.7929	ng	97
T cis-1,3-Dichloropropene	8.057	75.0	122105	115.8684	ng	98
T Toluene	8.386	92.0	259790	129.7794	ng	99
T trans-1,3-Dichloropropene	8.634	75.0	97899	127.3589	ng	98
T 1,1,2-Trichloroethane	8.818	83.0	50651	129.5869	ng	98
T Tetrachloroethene	8.932	163.8	101513	125.0572	ng	99
T 1,3-Dichloropropane	8.977	76.0	95610	120.8768	ng	98
T Chlorodibromomethane	9.206	129.0	76642	121.7517	ng	98
T 1,2-Dibromoethane	9.303	107.0	53301	123.4694	ng	94
T Chlorobenzene	9.802	112.0	282553	128.7591	ng	100
T 1,1,1,2-Tetrachloroethane	9.892	131.0	95704	124.2991	ng	98
T Ethylbenzene	9.919	91.0	487963	127.4917	ng	99
T m+p-Xylenes	10.037	106.0	379773	249.2772	ng	100
T o-Xylene	10.430	106.0	168694	126.5224	ng	98
T Styrene	10.449	104.0	279571	126.7919	ng	99
T Bromoform	10.625	172.5	44242	126.7925	ng	98
T Bromobenzene	11.094	156.0	110627	130.4756	ng	99
T 1,1,2,2-Tetrachloroethane	11.113	83.0	61316	126.7857	ng	98
T 1,2,3-Trichloropropane	11.144	110.0	15544	122.3325	ng	99
T 2-Chlorotoluene	11.292	126.0	108724	129.5638	ng	94
T 4-Chlorotoluene	11.397	91.0	365091	134.3260	ng	99
T 1,3-Dichlorobenzene	12.033	146.0	201941	131.4561	ng	99
T 1,4-Dichlorobenzene	12.123	146.0	204620	130.6546	ng	100
T 1,2-Dichlorobenzene	12.493	146.0	172223	134.2833	ng	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

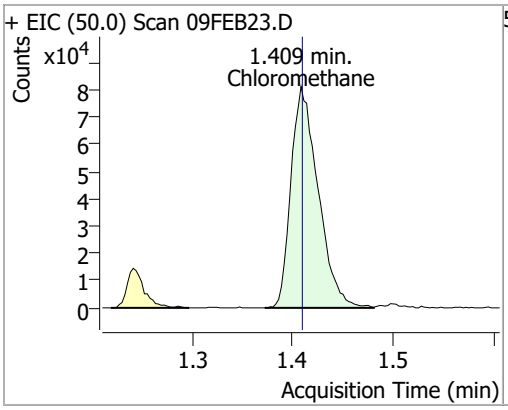
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	123.2576	1.24	0.00	134814	87.0	32.2	1.8	61.8

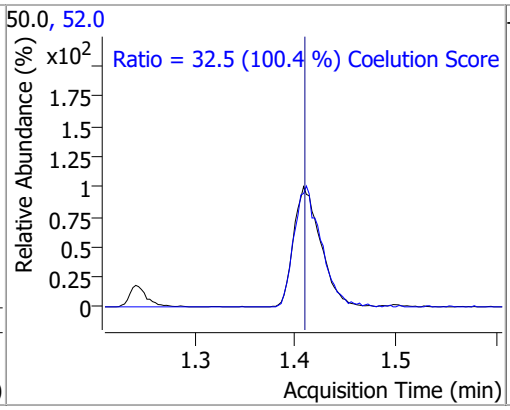


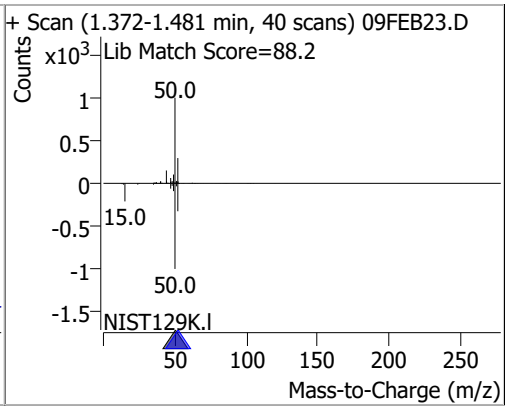




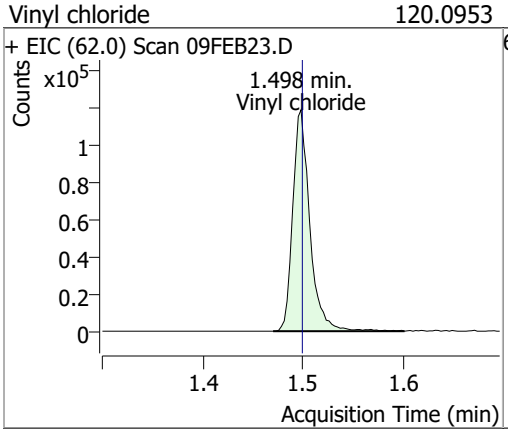
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	118.5081	1.41	0.00	152604	52.0	32.5	2.4	62.4

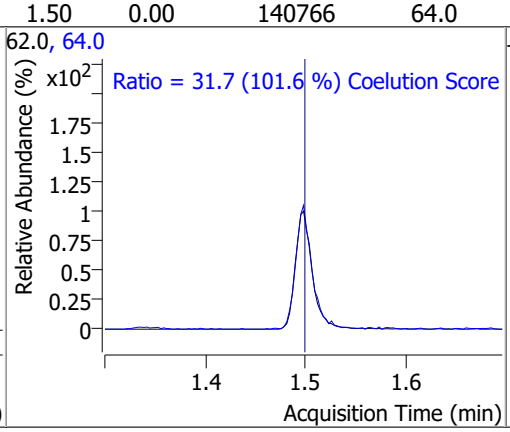


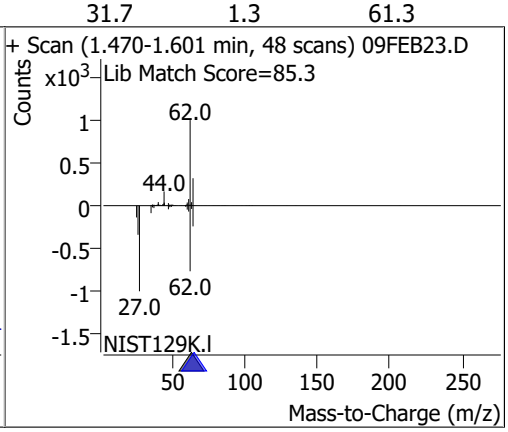




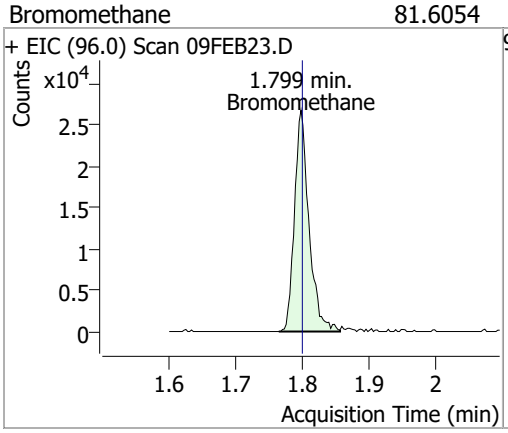
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	120.0953	1.50	0.00	140766	64.0	31.7	1.3	61.3

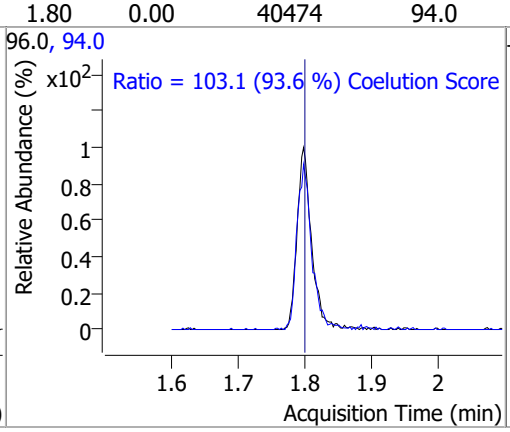


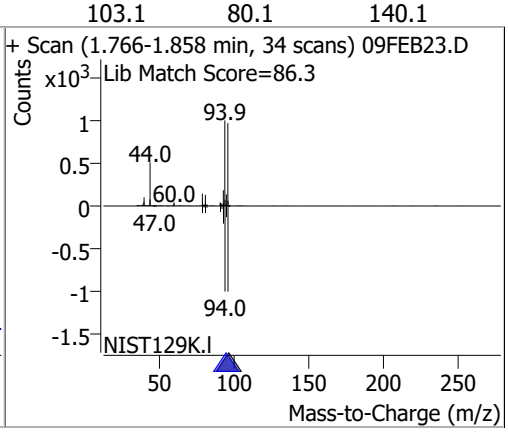




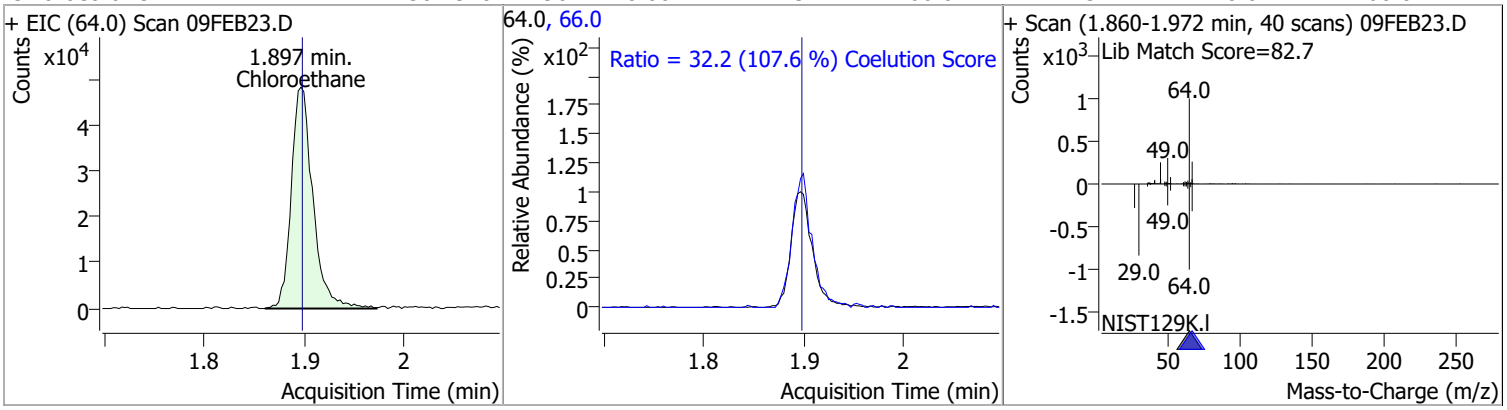
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	81.6054	1.80	0.00	40474	94.0	103.1	80.1	140.1



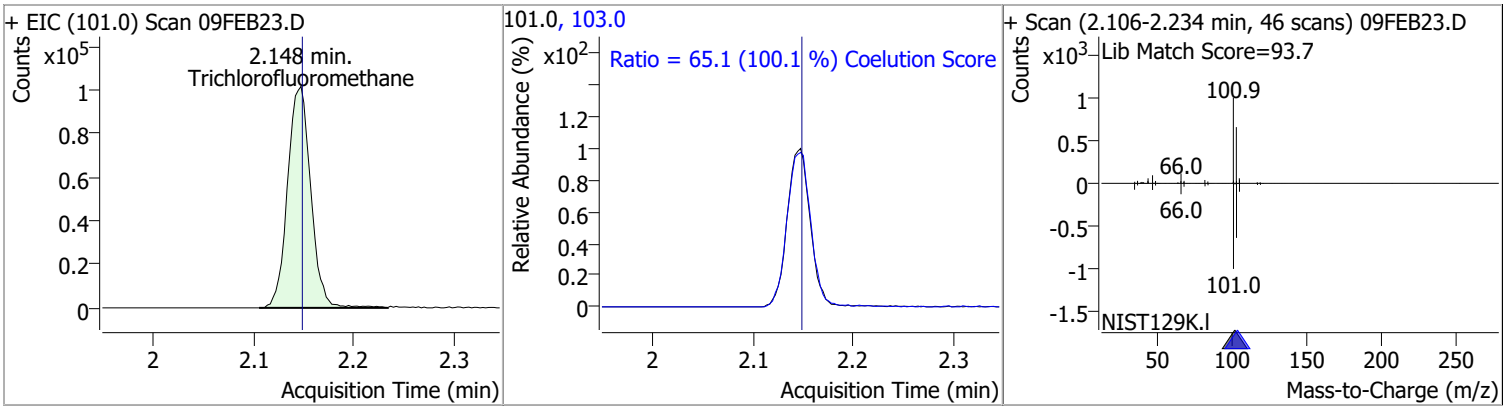




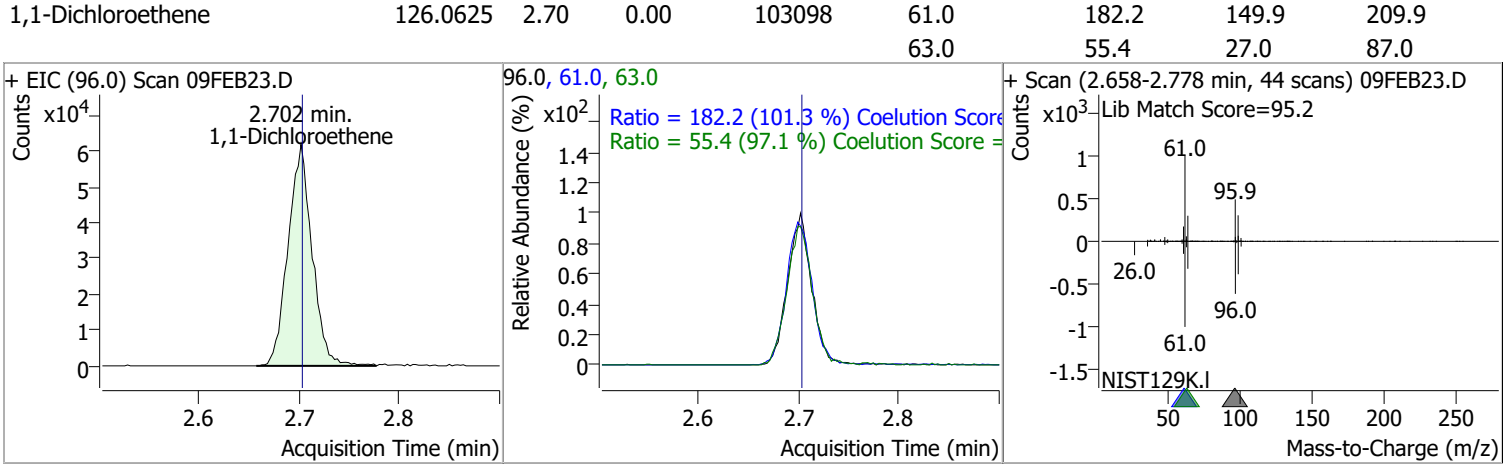
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	130.2520	1.90	0.00	72231	66.0	32.2	0.0	60.0



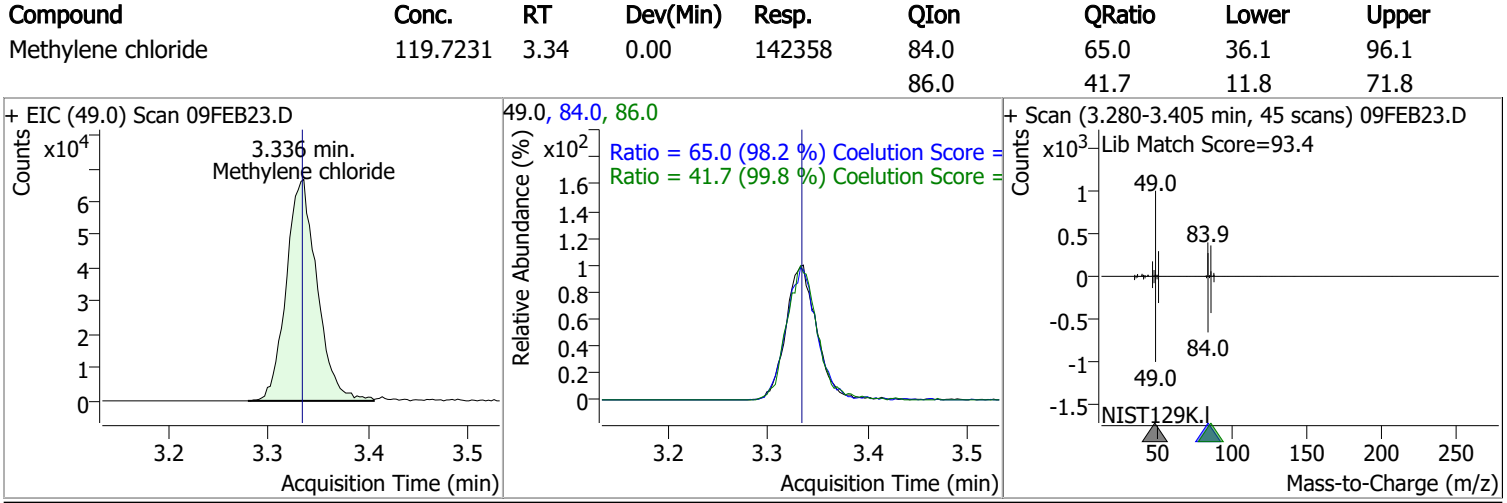
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	116.1815	2.15	0.00	163297	103.0	65.1	35.0	95.0



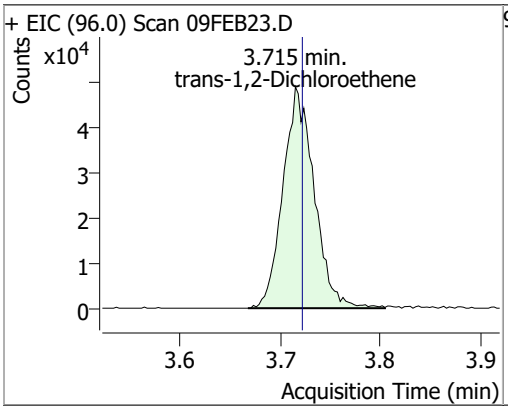
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	126.0625	2.70	0.00	103098	61.0	182.2	149.9	209.9
					63.0	55.4	27.0	87.0

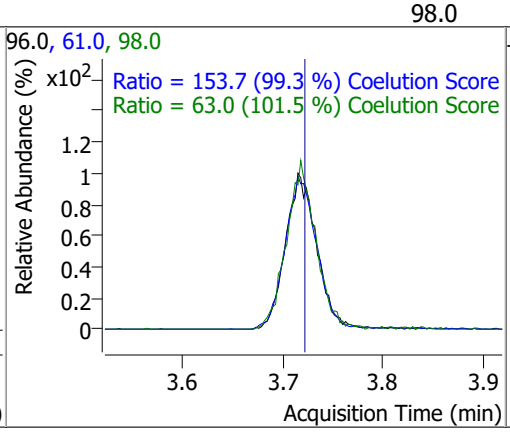


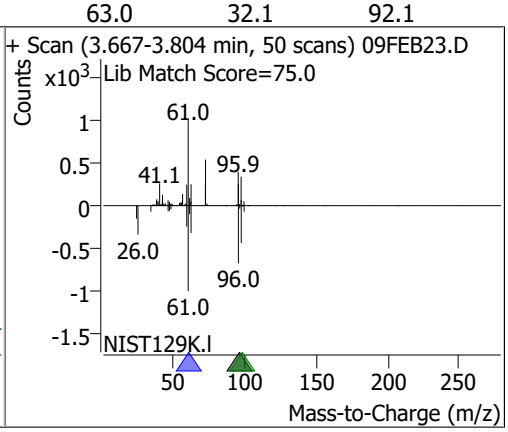
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	119.7231	3.34	0.00	142358	84.0	65.0	36.1	96.1
					86.0	41.7	11.8	71.8



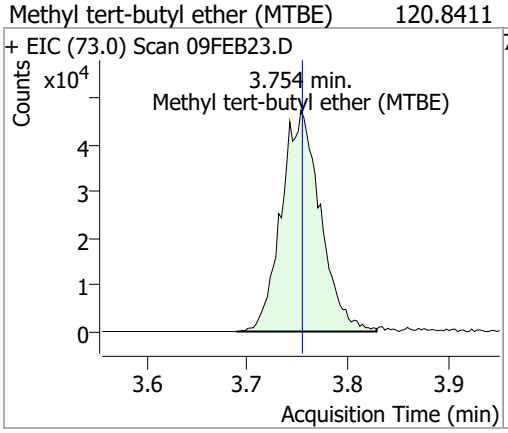
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	124.9598	3.71	-0.01	105574	61.0	153.7	124.8	184.8
					98.0	63.0	32.1	92.1

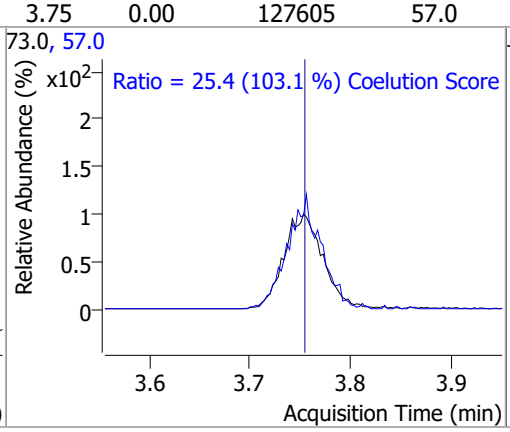


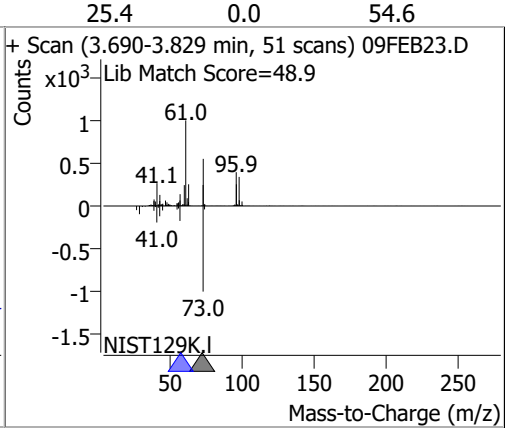




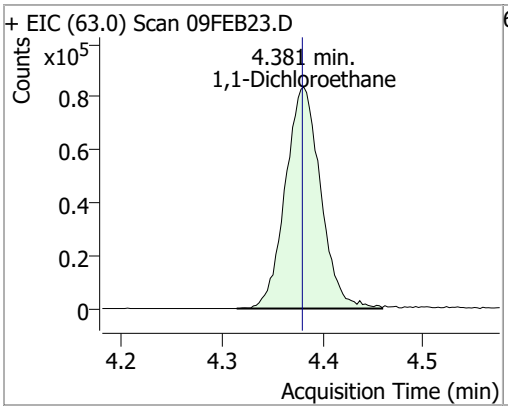
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	120.8411	3.75	0.00	127605	57.0	25.4	0.0	54.6

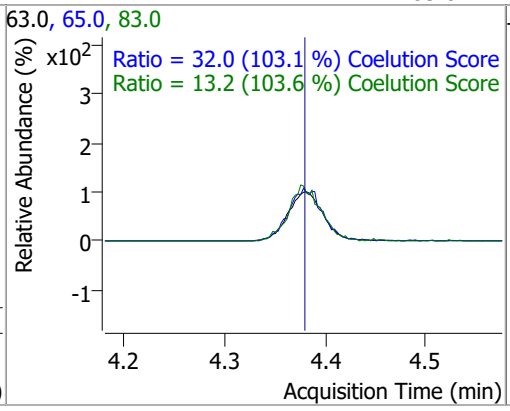


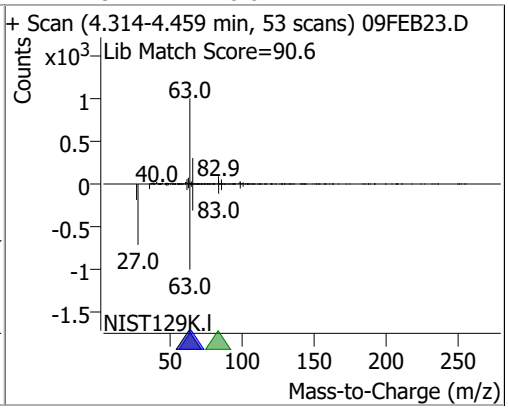




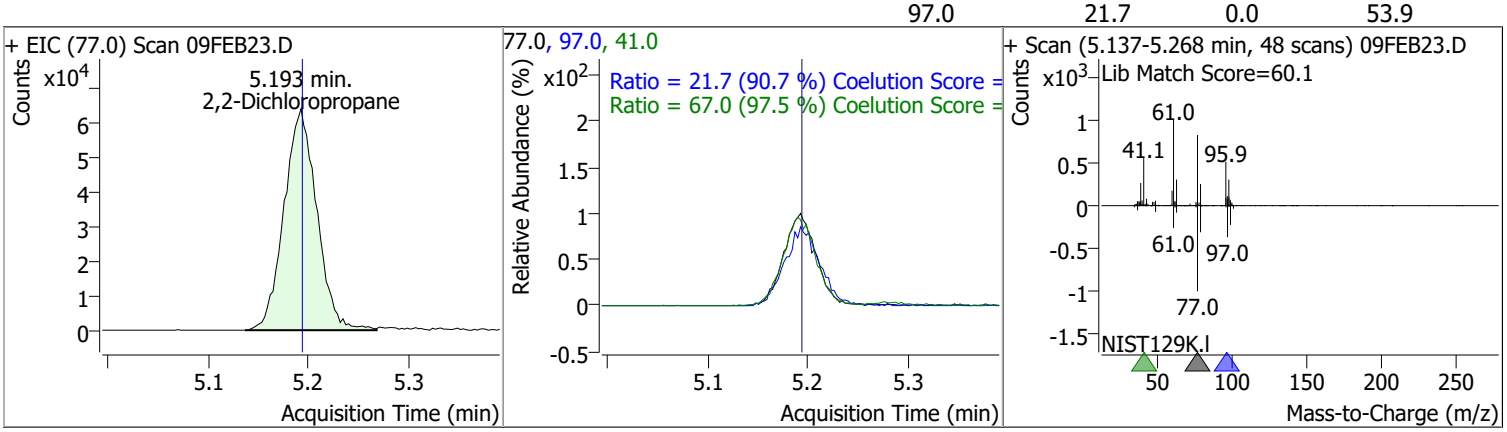
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	129.4197	4.38	0.00	204637	65.0	32.0	1.0	61.0
					83.0	13.2	0.0	42.7



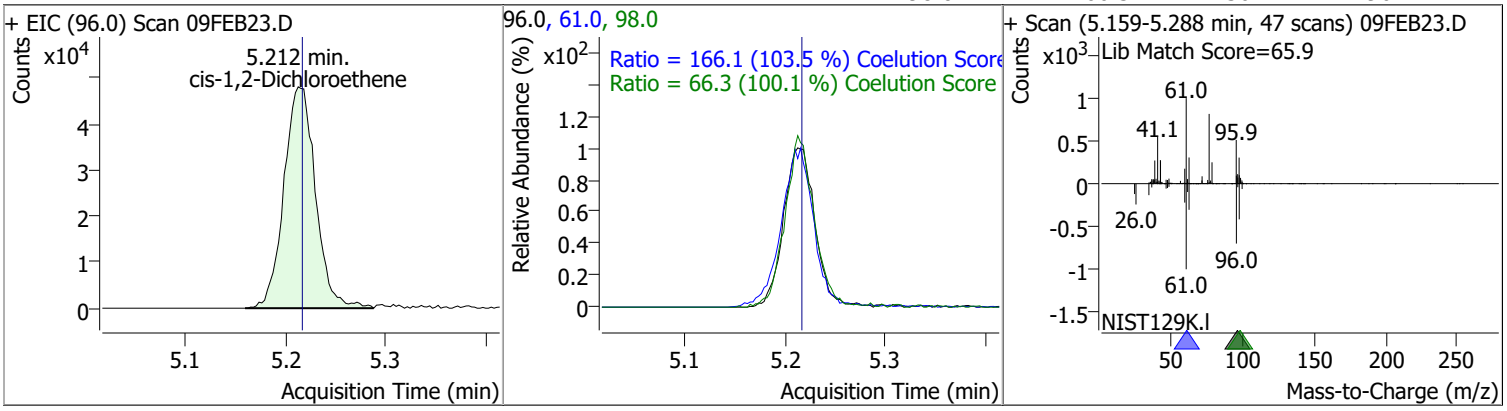




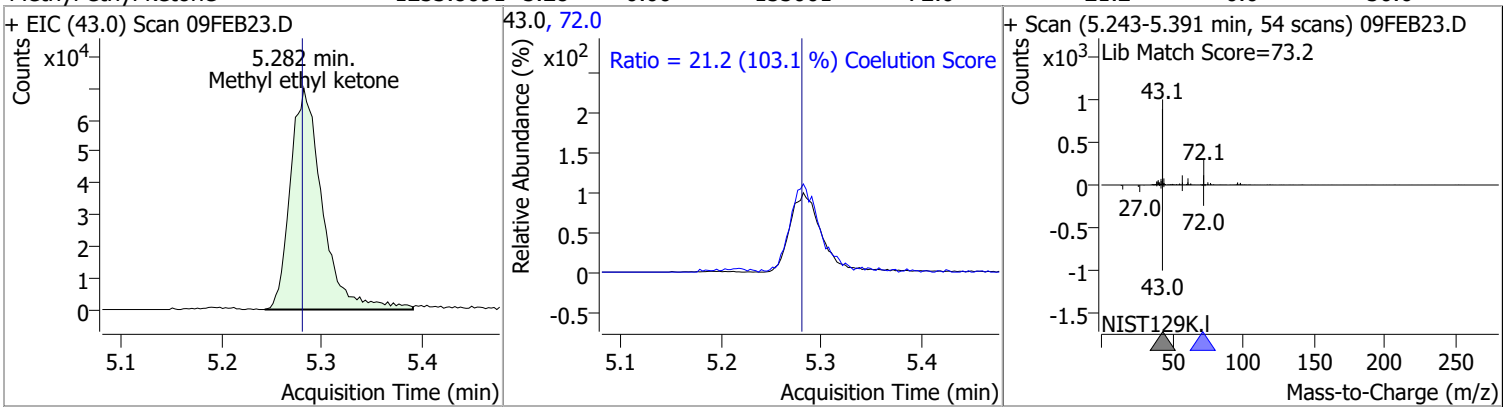
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	121.7496	5.19	0.00	145077	41.0	67.0	38.8	98.8
					97.0	21.7	0.0	53.9



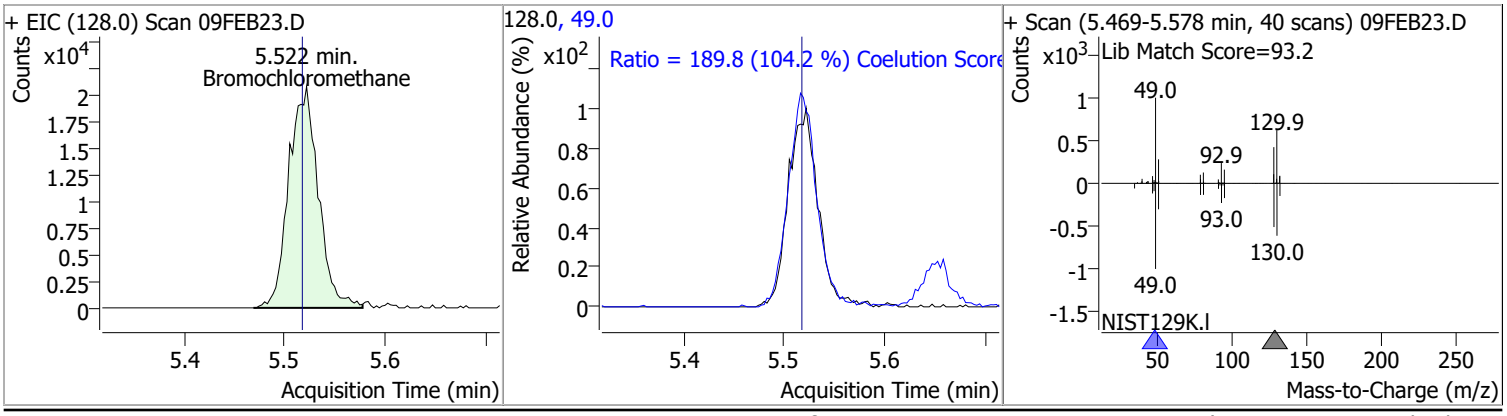
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	122.7738	5.21	0.00	105025	61.0	166.1	130.4	190.4
					98.0	66.3	36.2	96.2



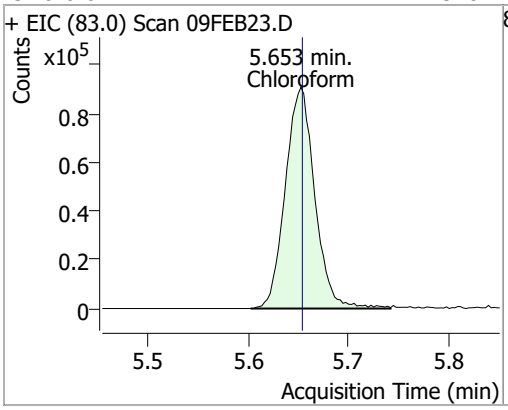
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	1253.8091	5.28	0.00	155001	72.0	21.2	0.0	50.6

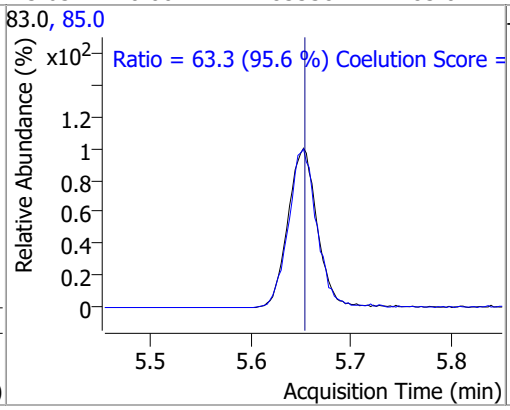


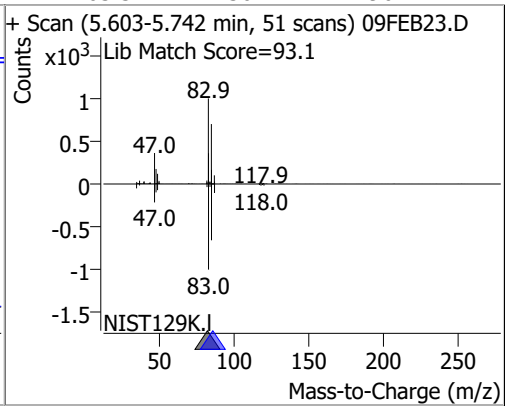
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	121.2461	5.52	0.01	42764	49.0	189.8	152.2	212.2



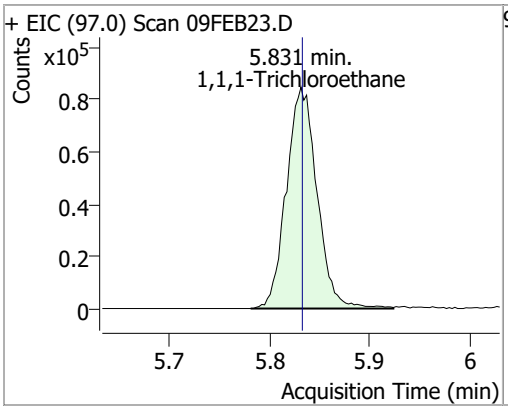
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	117.5202	5.65	0.00	185538	85.0	63.3	36.2	96.2

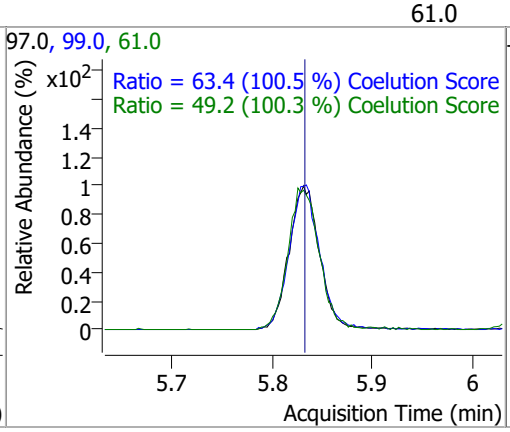


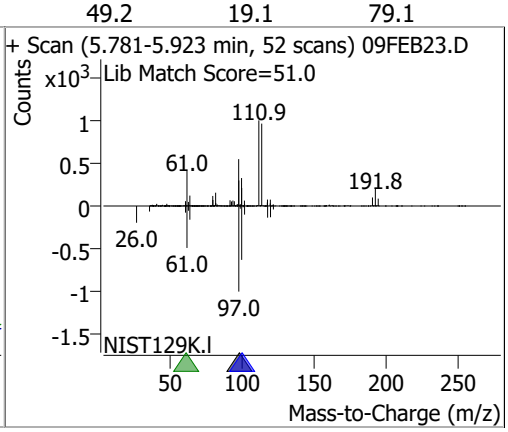




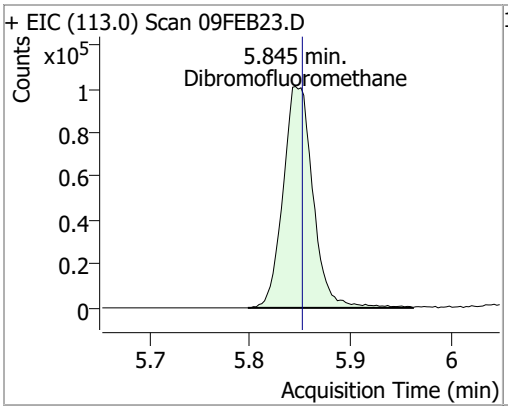
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	123.4500	5.83	0.00	179826	99.0	63.4	33.1	93.1
					61.0	49.2	19.1	79.1

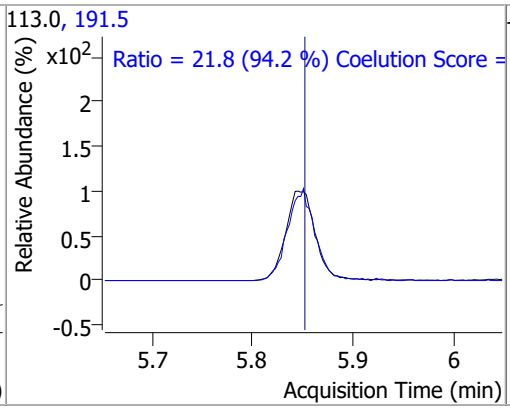


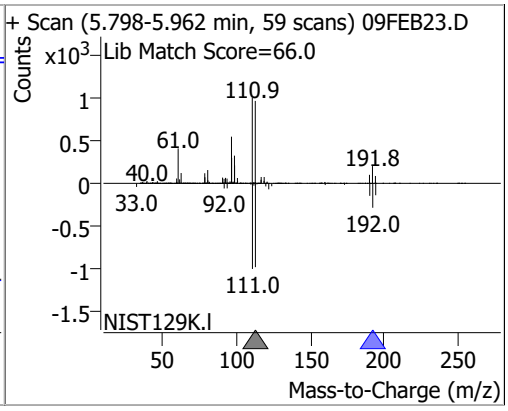




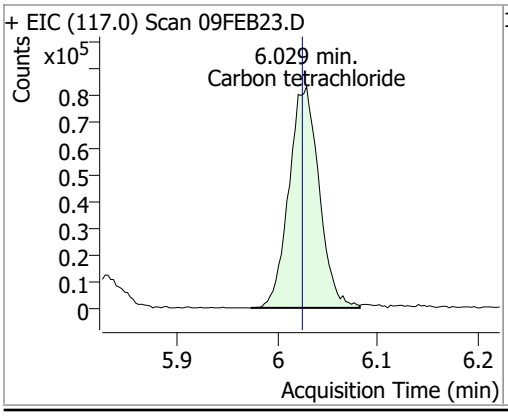
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	265.9236	5.85	-0.01	209514	191.5	21.8	0.0	53.2

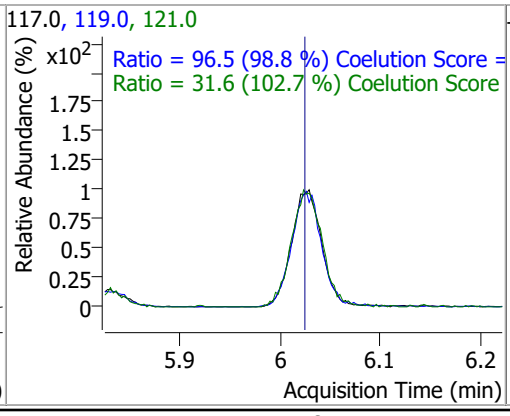


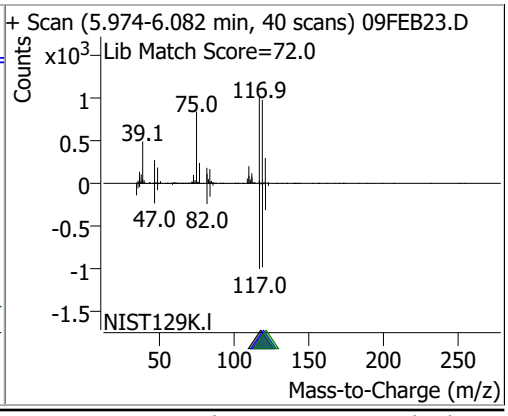




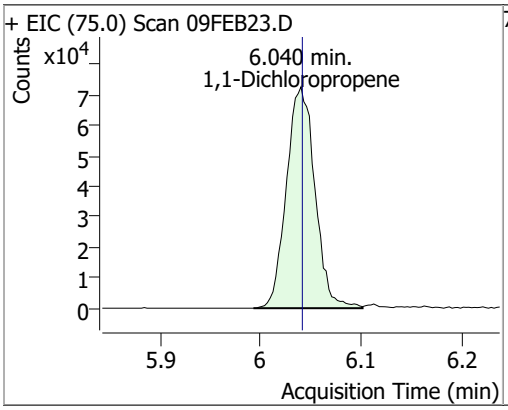
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	123.6742	6.03	0.01	174724	119.0	96.5	67.6	127.6
					121.0	31.6	0.7	60.7

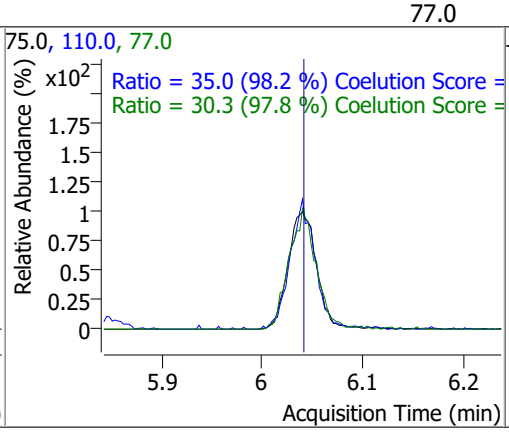


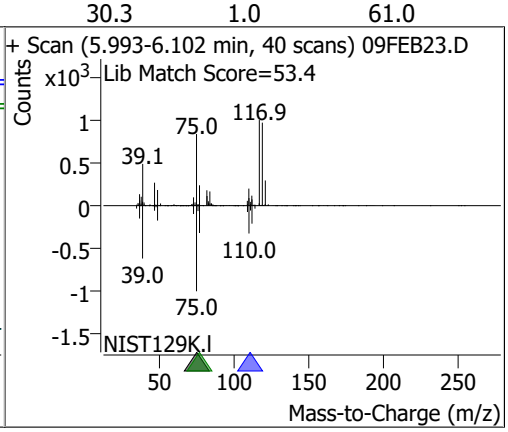




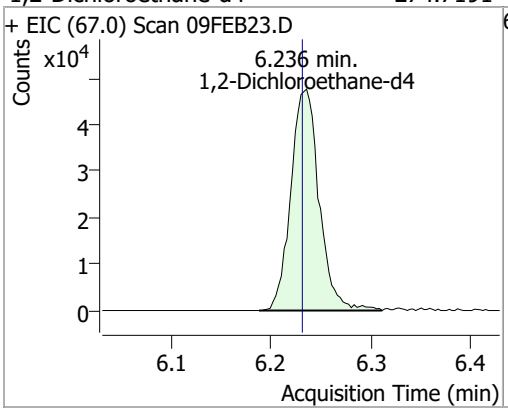
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	121.2477	6.04	0.00	143221	110.0	35.0	5.6	65.6
					77.0	30.3	1.0	61.0

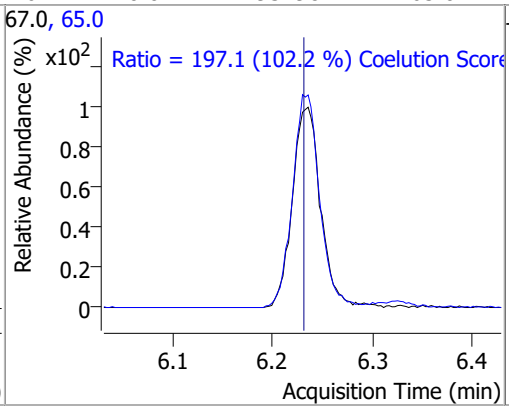


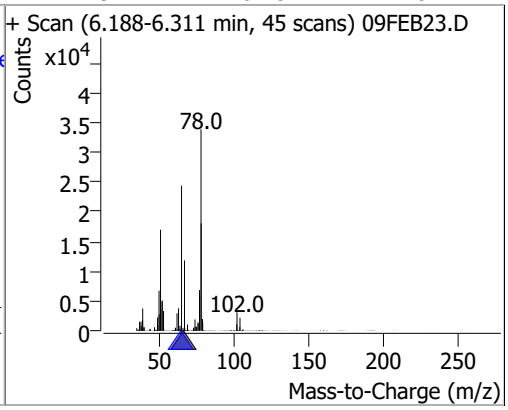




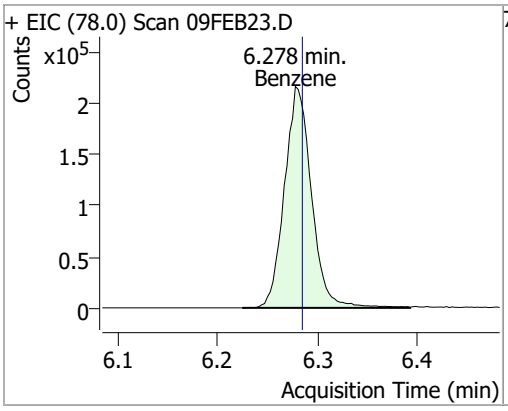
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	274.7191	6.24	0.01	93498	65.0	197.1	162.8	222.8

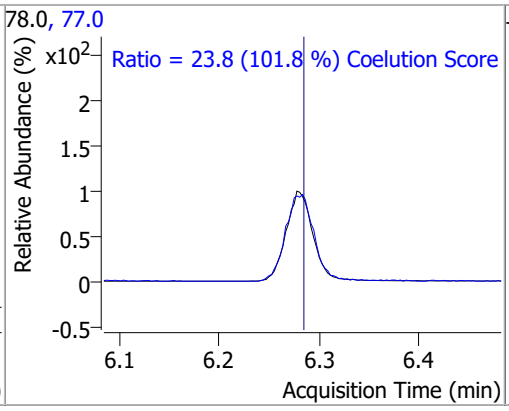


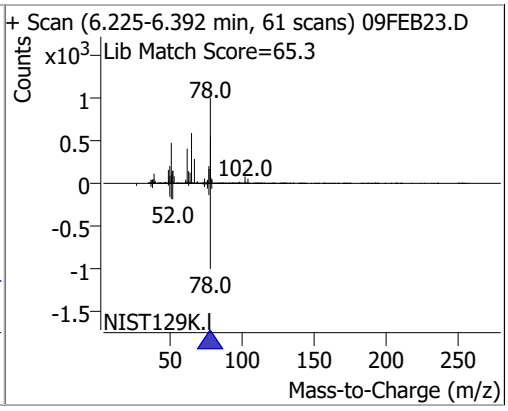




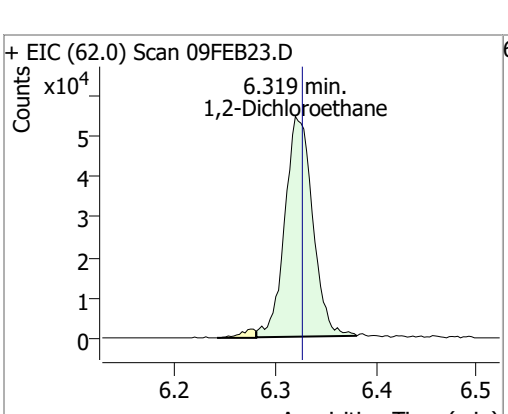
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	124.4424	6.28	-0.01	404377	77.0	23.8	0.0	53.3

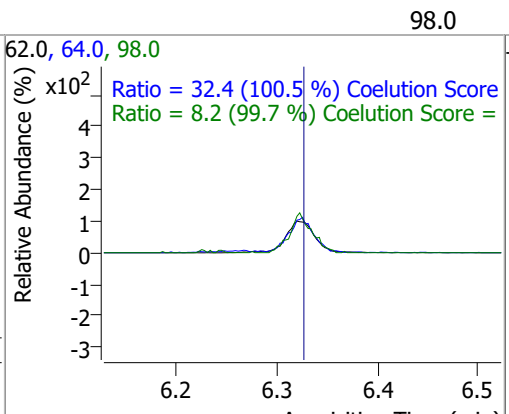


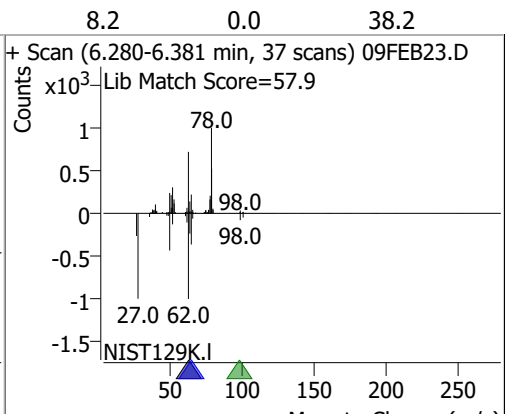




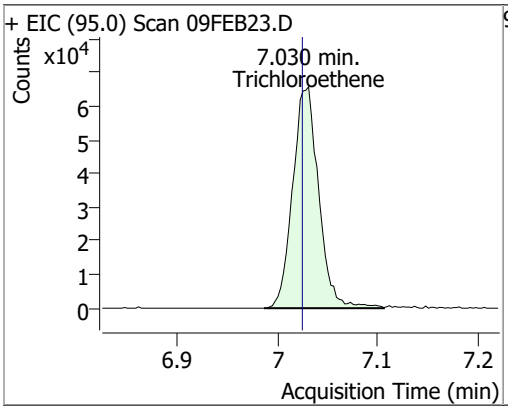
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	117.7392	6.32	-0.01	105674	64.0	32.4	2.2	62.2
					98.0	8.2	0.0	38.2

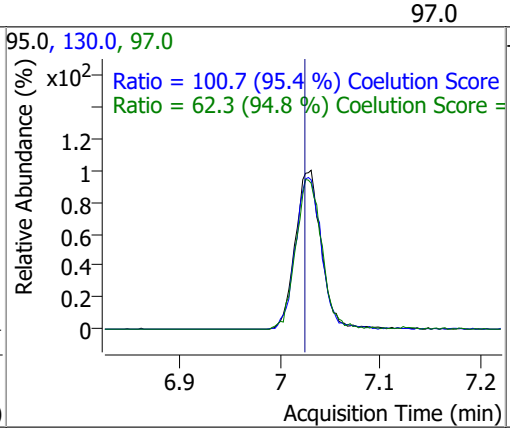


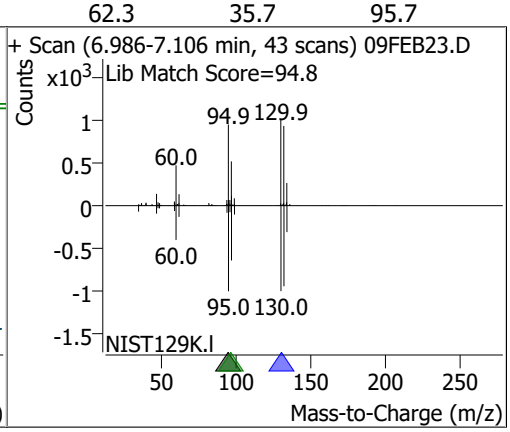




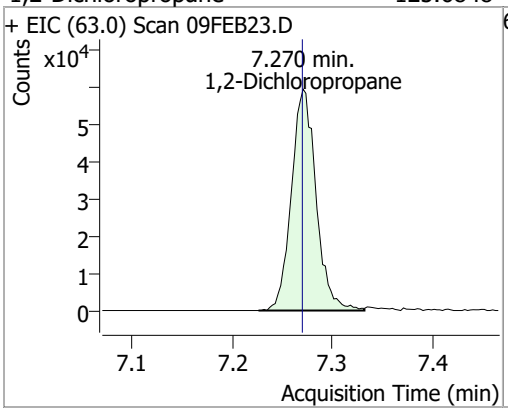
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	129.2485	7.03	0.01	119110	130.0	100.7	75.6	135.6
					97.0	62.3	35.7	95.7

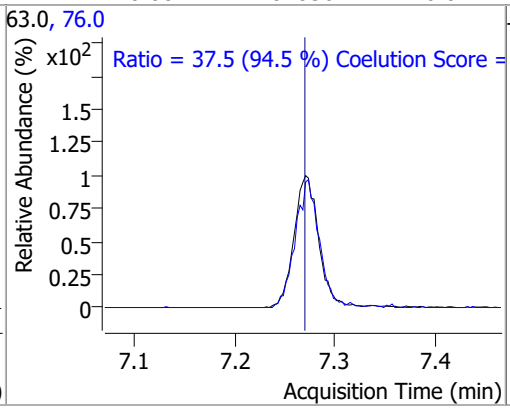


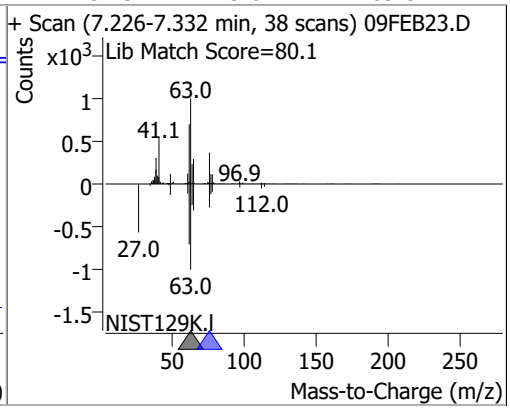




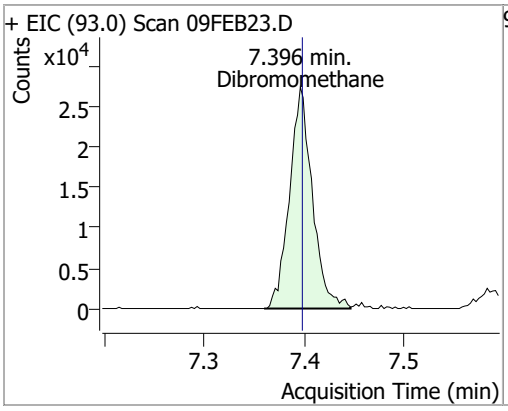
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	125.6848	7.27	0.00	101836	76.0	37.5	9.8	69.8

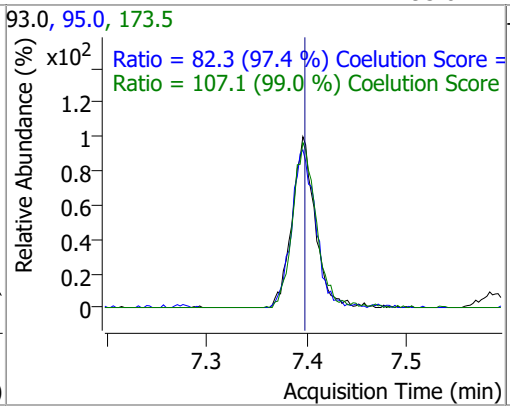


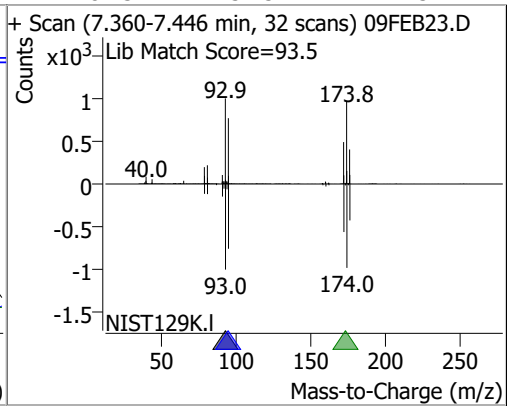




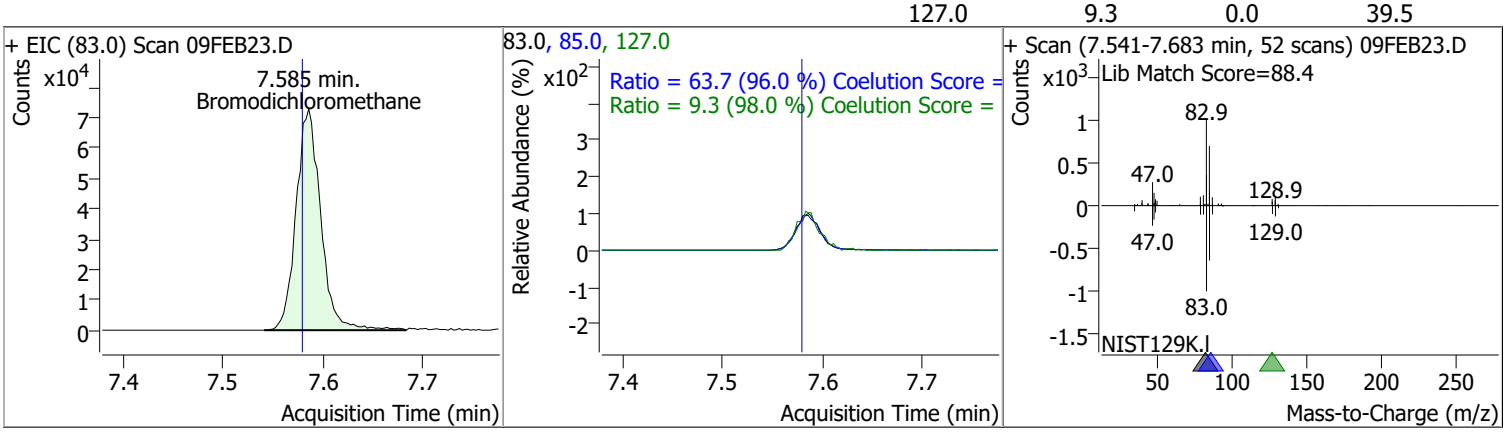
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	127.5140	7.40	0.00	43549	173.5	107.1	78.2	138.2
					95.0	82.3	54.5	114.5



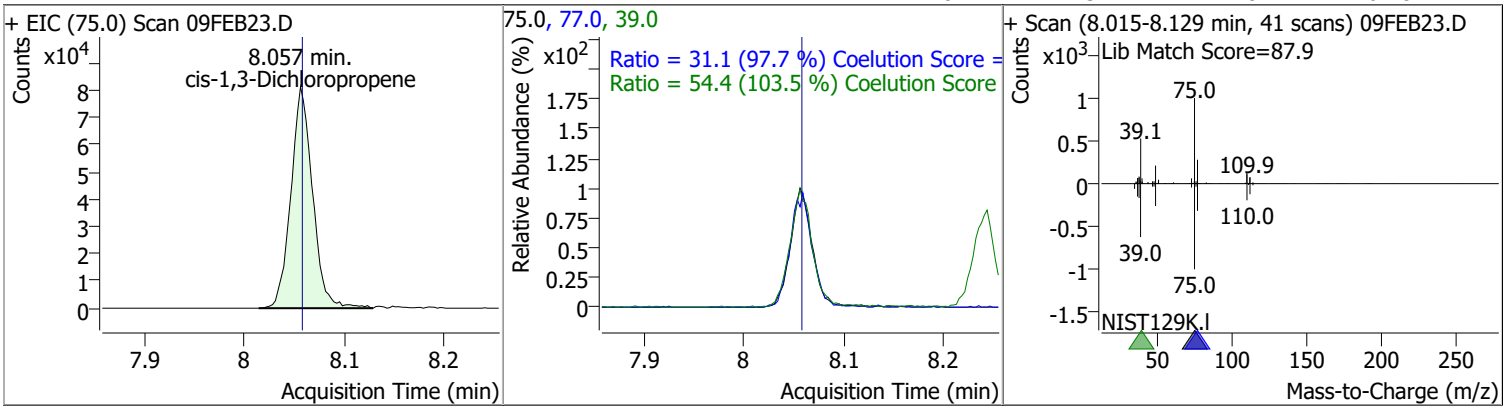




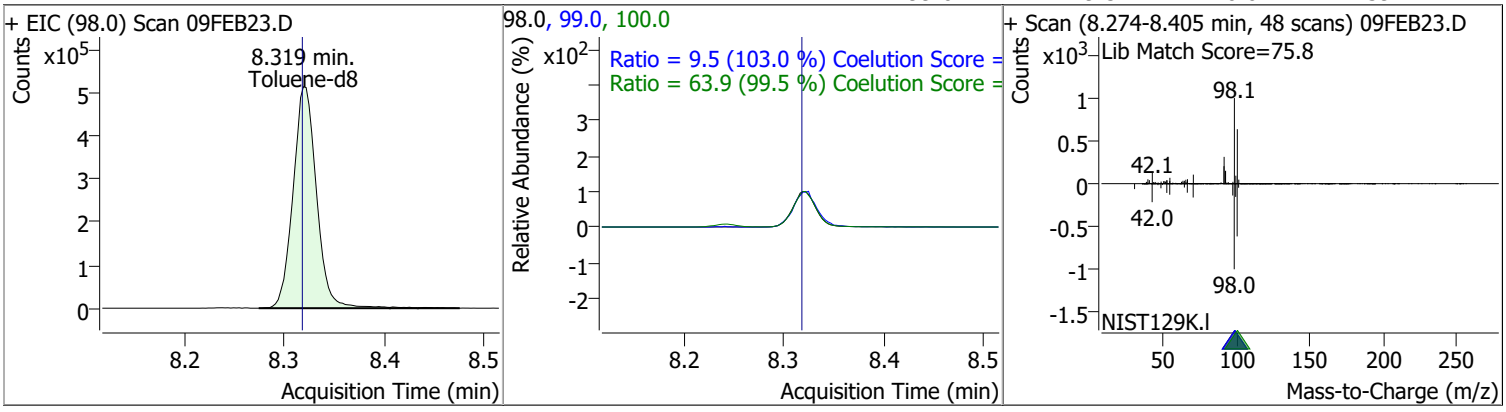
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	129.7929	7.59	0.01	124647	85.0	63.7	36.3	96.3
					127.0	9.3	0.0	39.5



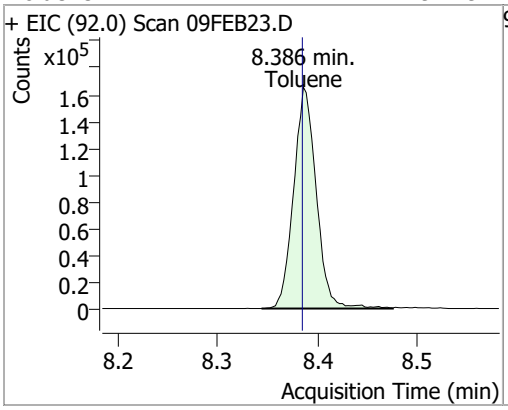
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	115.8684	8.06	0.00	122105	39.0	54.4	22.5	82.5
					77.0	31.1	1.8	61.8

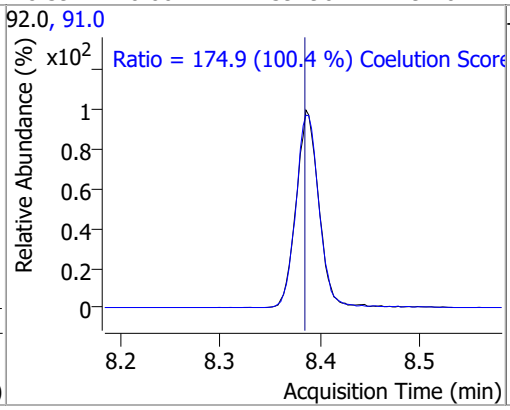


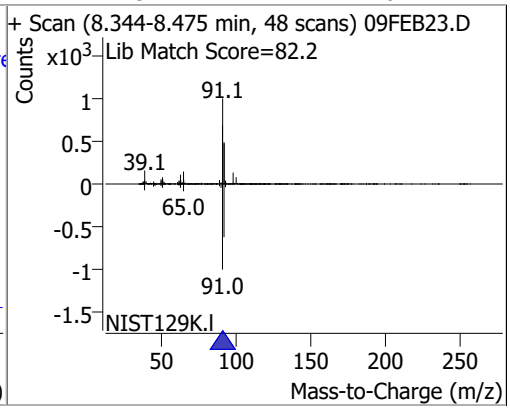
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	276.4885	8.32	0.00	830336	100.0	63.9	34.3	94.3
					99.0	9.5	0.0	39.2



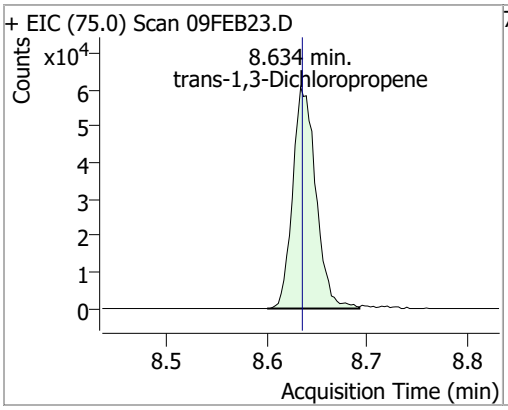
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	129.7794	8.39	0.00	259790	91.0	174.9	144.1	204.1

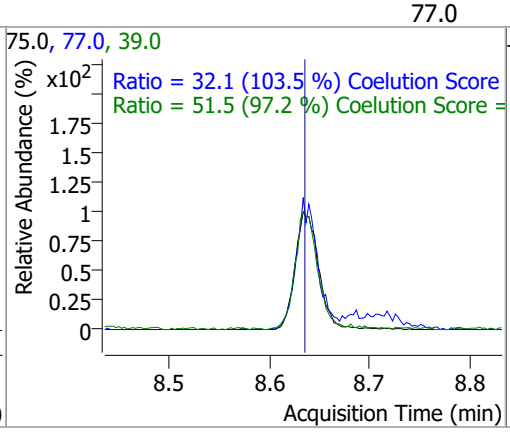


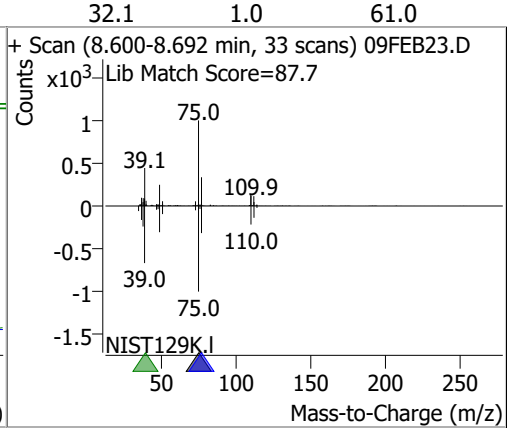




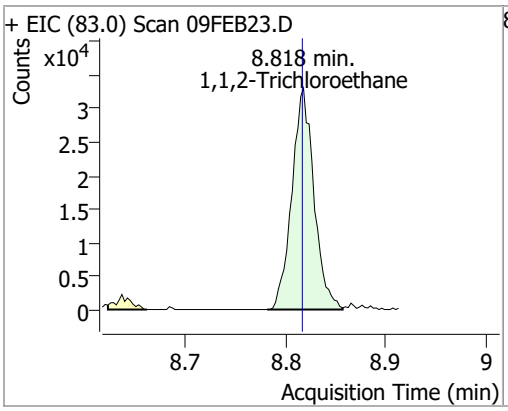
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	127.3589	8.63	0.00	97899	39.0	51.5	23.0	83.0
					77.0	32.1	1.0	61.0

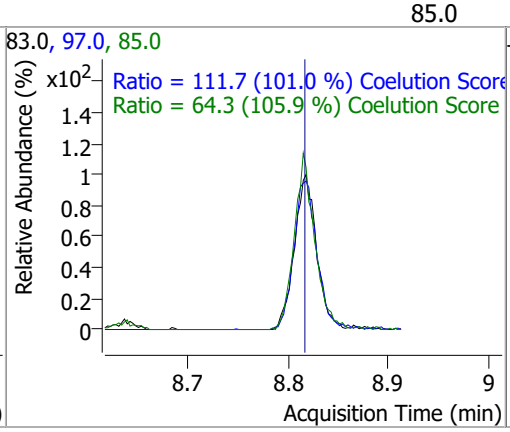


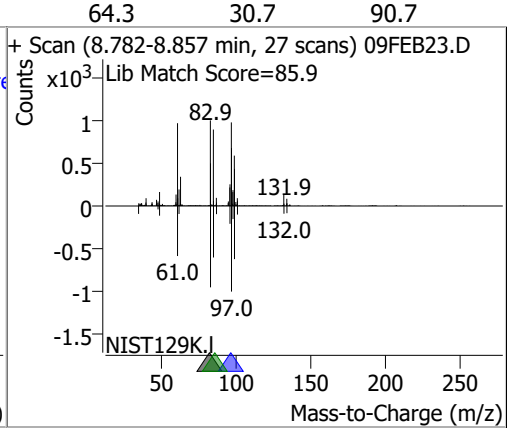




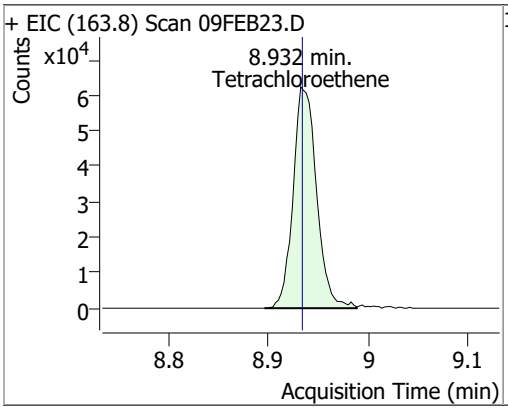
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	129.5869	8.82	0.00	50651	97.0	111.7	80.7	140.7
					85.0	64.3	30.7	90.7

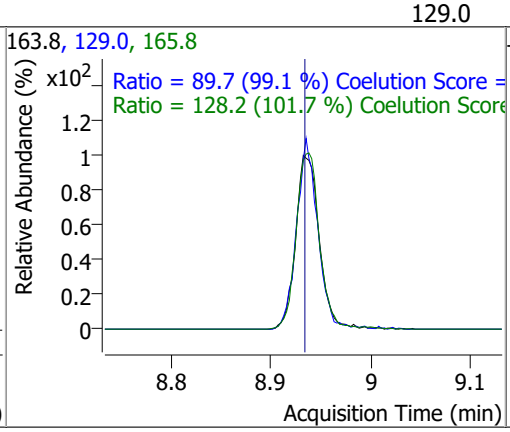


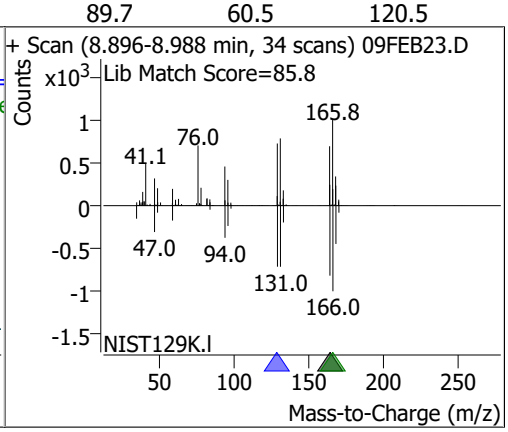




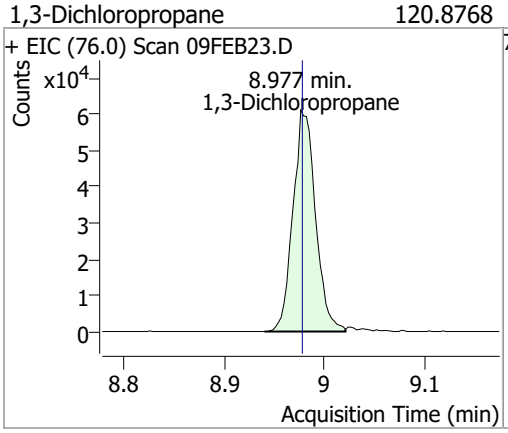
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	125.0572	8.93	0.00	101513	165.8	128.2	96.1	156.1
					129.0	89.7	60.5	120.5

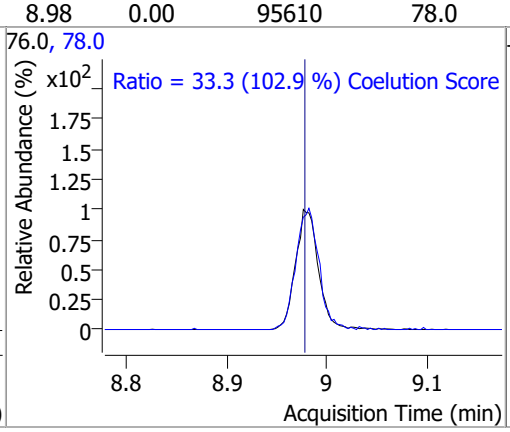


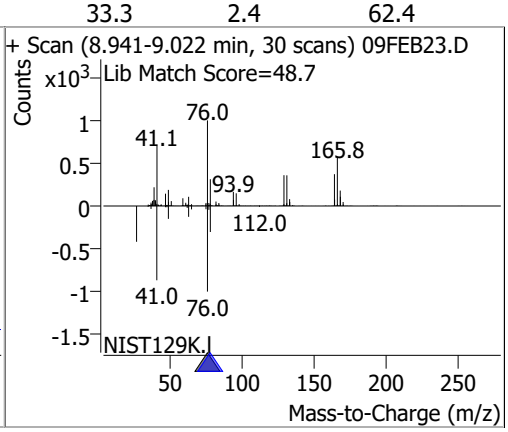




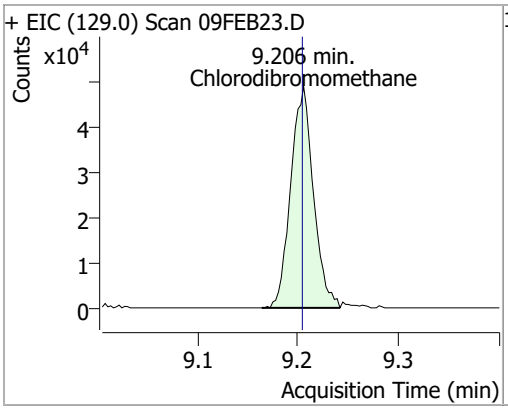
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	120.8768	8.98	0.00	95610	78.0	33.3	2.4	62.4

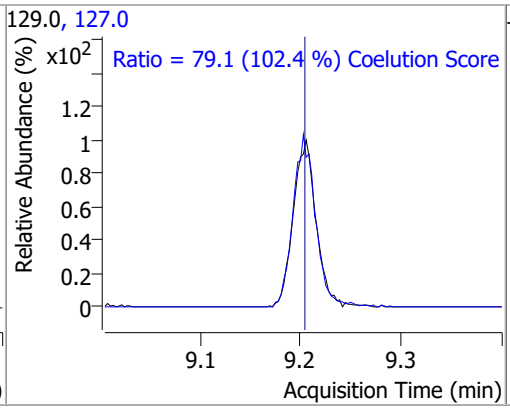


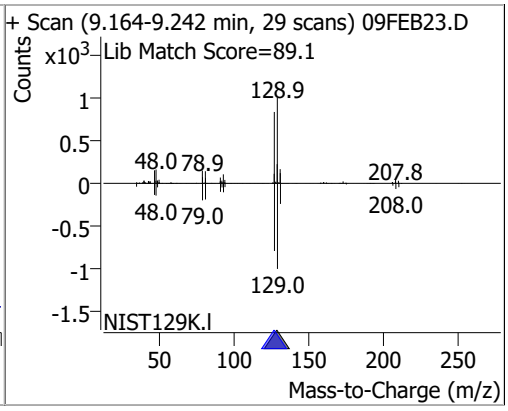




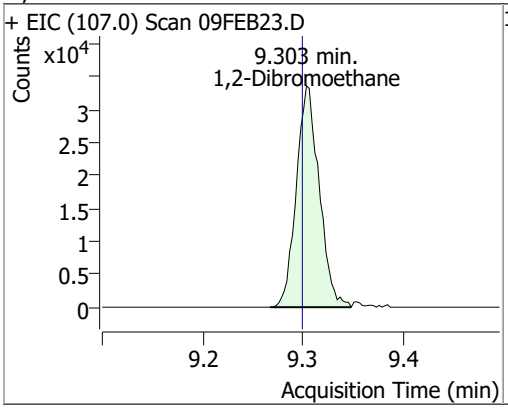
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	121.7517	9.21	0.00	76642	127.0	79.1	47.2	107.2

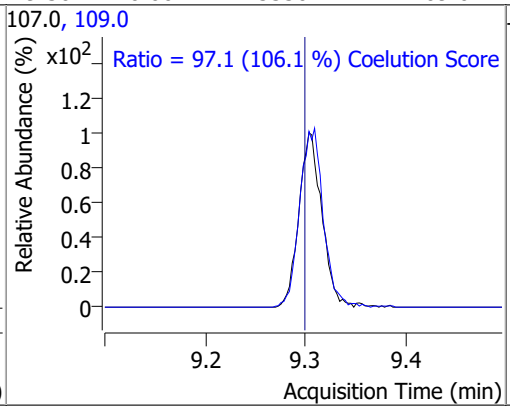


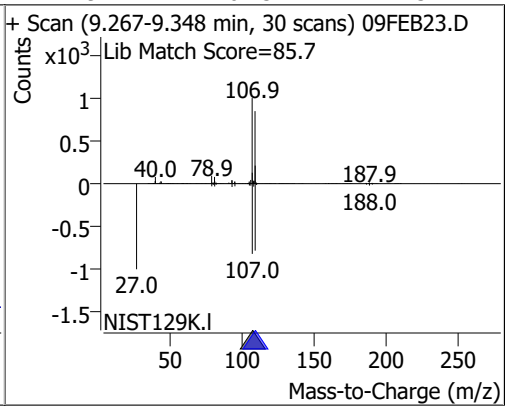




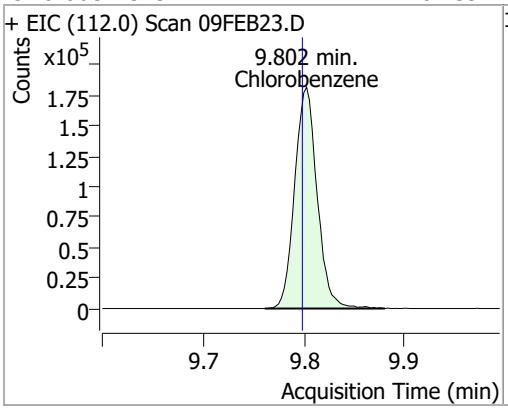
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	123.4694	9.30	0.00	53301	109.0	97.1	61.5	121.5

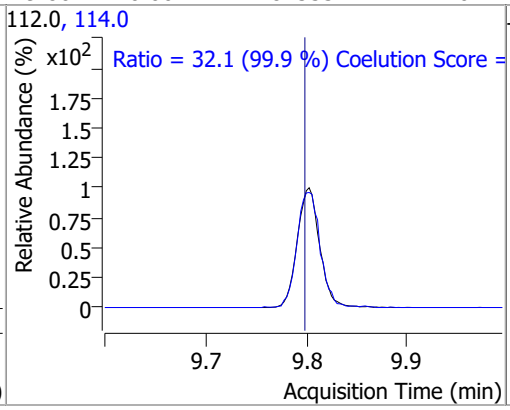


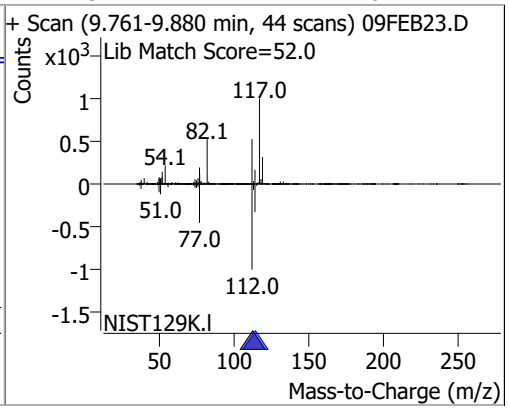




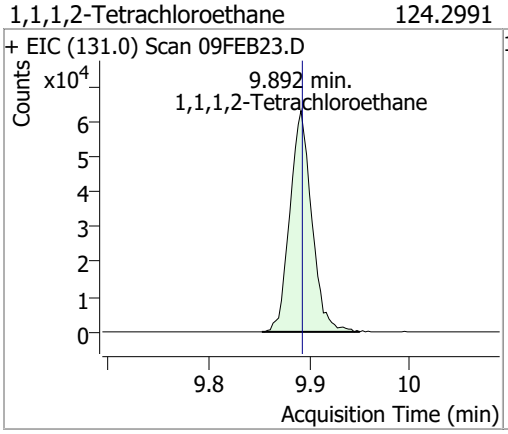
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	128.7591	9.80	0.00	282553	114.0	32.1	2.2	62.2

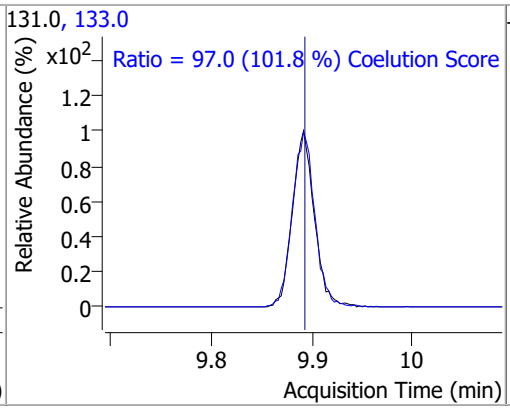


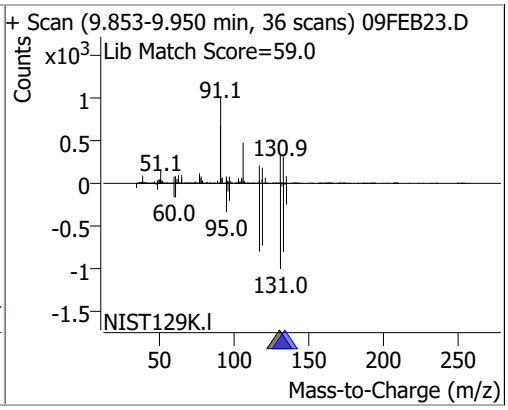




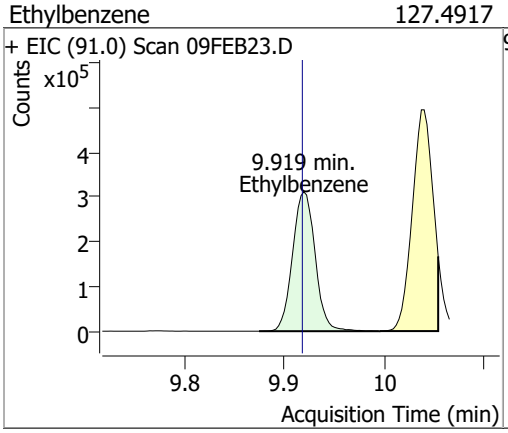
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	124.2991	9.89	0.00	95704	133.0	97.0	65.3	125.3

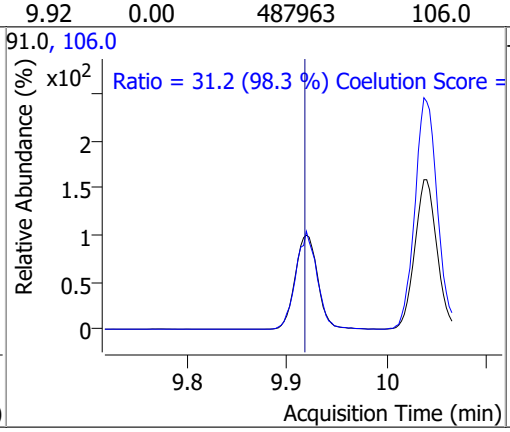


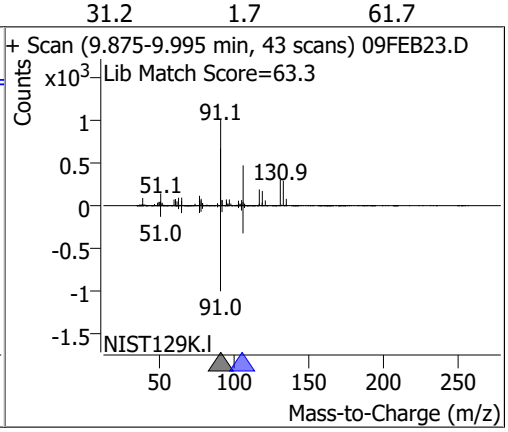




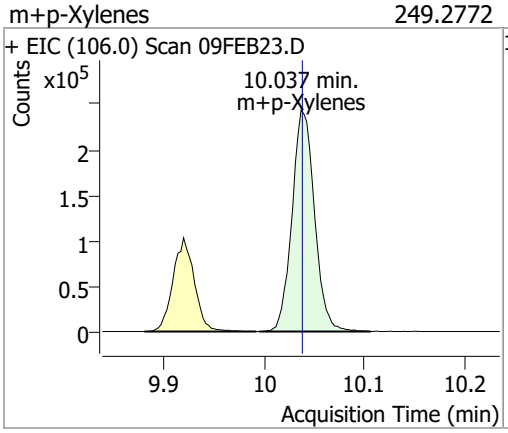
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	127.4917	9.92	0.00	487963	106.0	31.2	1.7	61.7

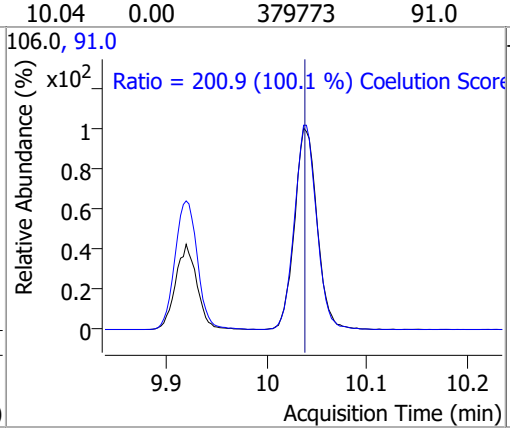


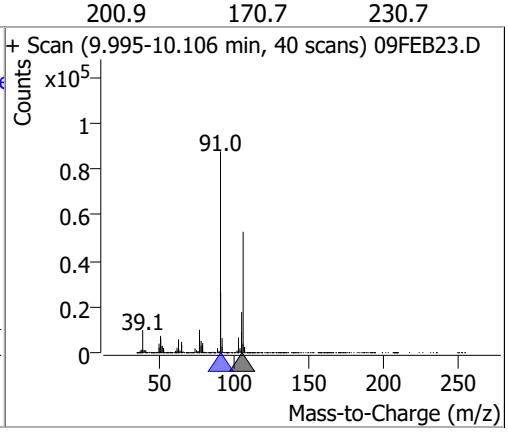




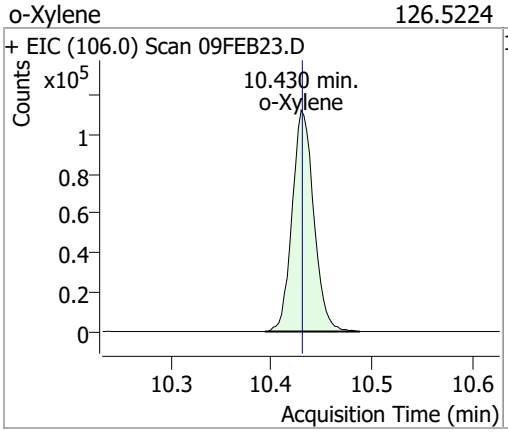
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	249.2772	10.04	0.00	379773	91.0	200.9	170.7	230.7

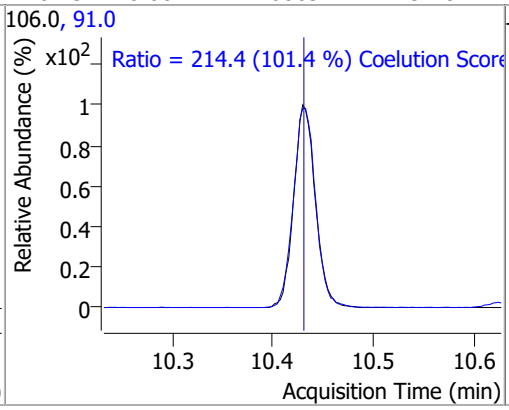


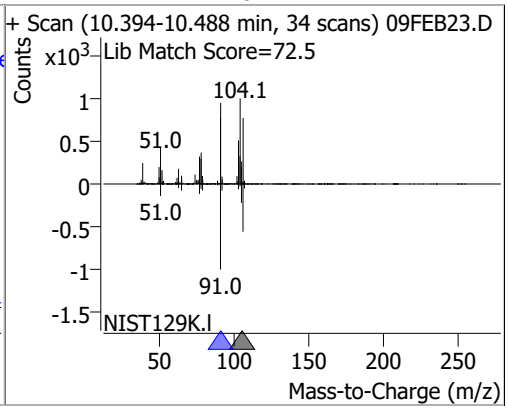




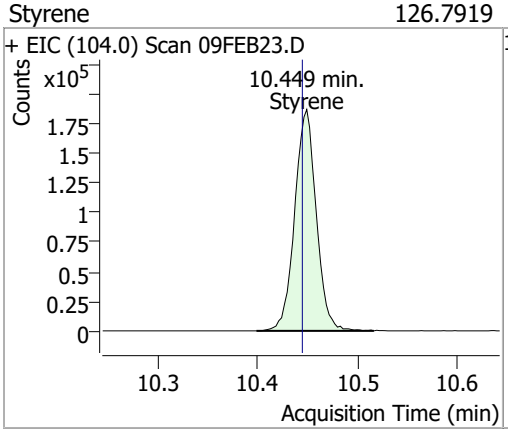
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	126.5224	10.43	0.00	168694	91.0	214.4	181.4	241.4

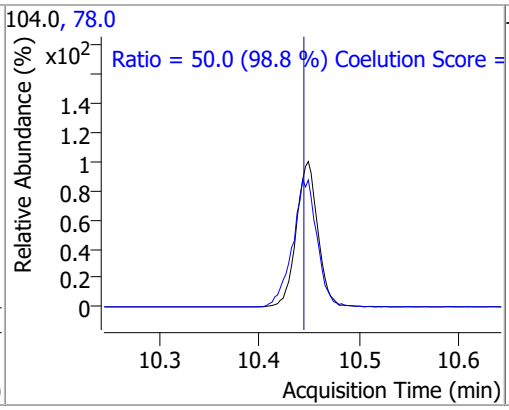


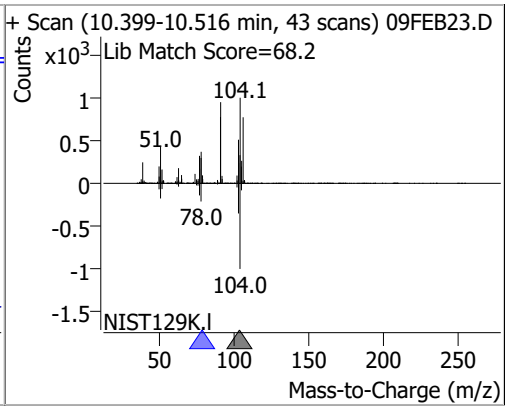




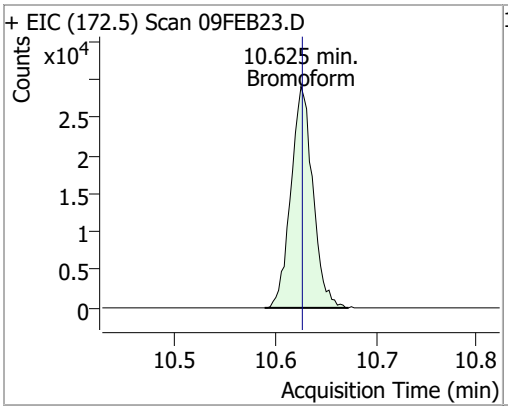
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	126.7919	10.45	0.00	279571	78.0	50.0	20.6	80.6

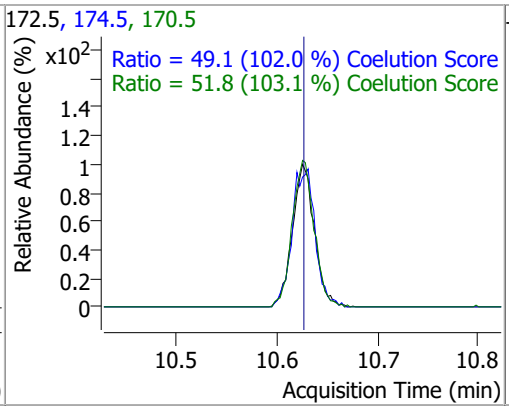


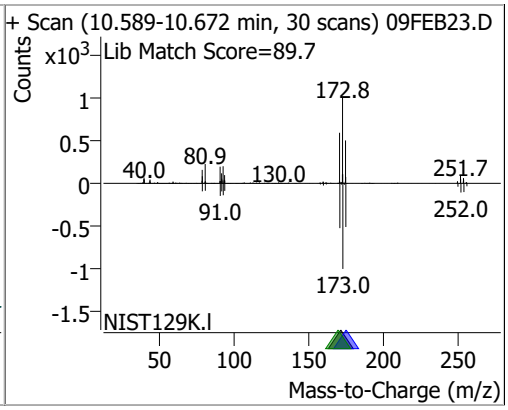




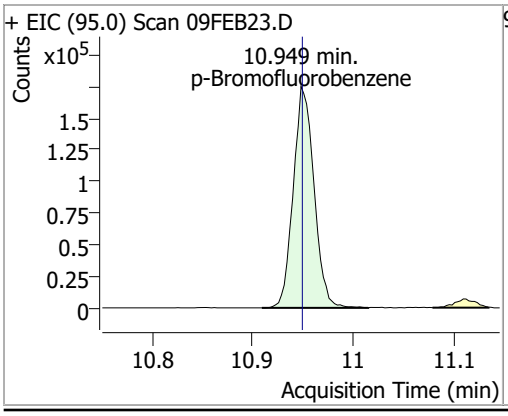
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	126.7925	10.63	0.00	44242	170.5	51.8	20.3	80.3
					174.5	49.1	18.1	78.1

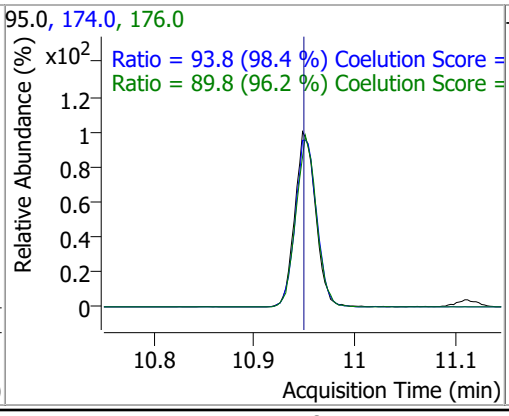


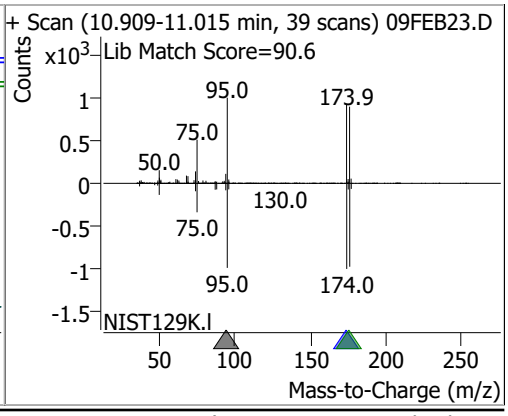




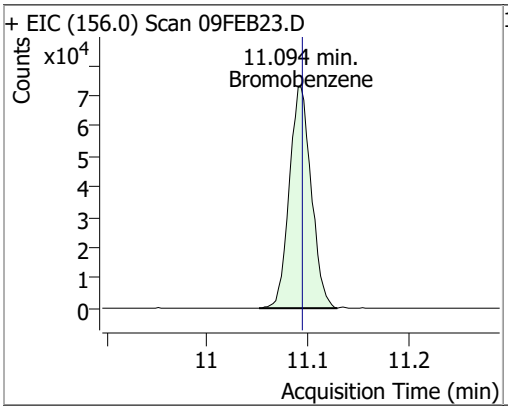
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	261.6726	10.95	0.00	251587	174.0	93.8	65.3	125.3
					176.0	89.8	63.3	123.3

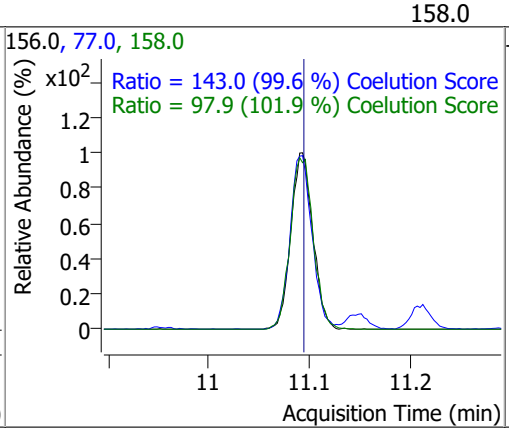


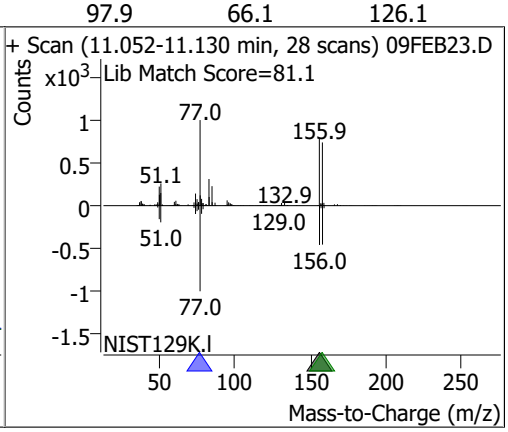




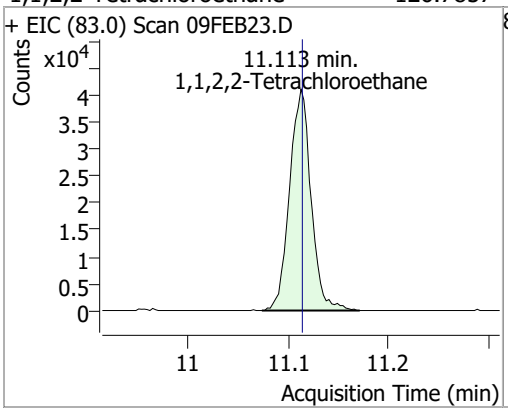
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	130.4756	11.09	0.00	110627	77.0	143.0	113.5	173.5
					158.0	97.9	66.1	126.1

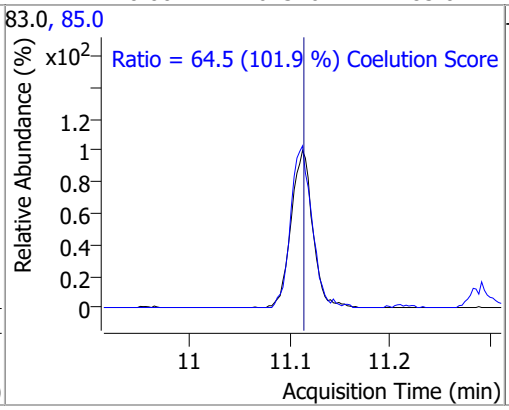


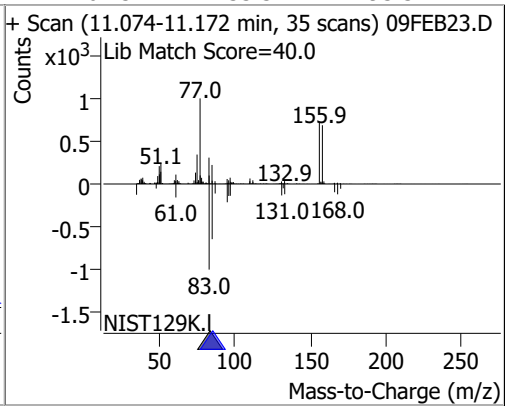




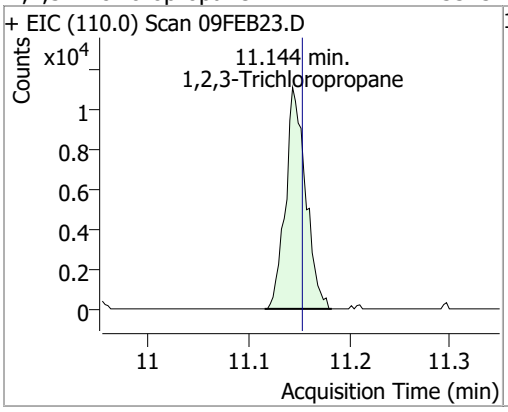
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	126.7857	11.11	0.00	61316	85.0	64.5	33.3	93.3

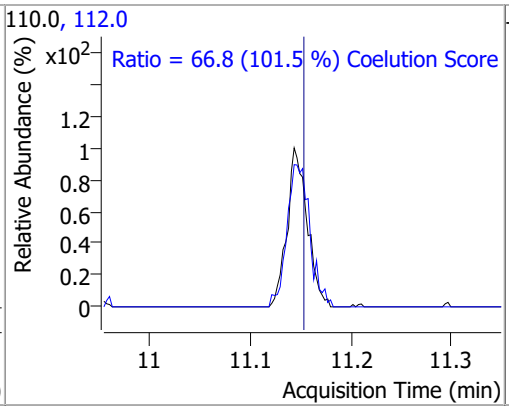


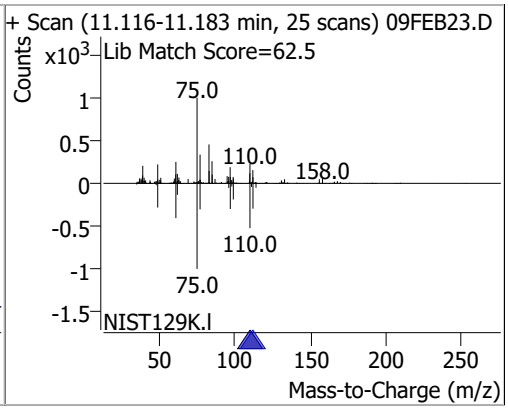




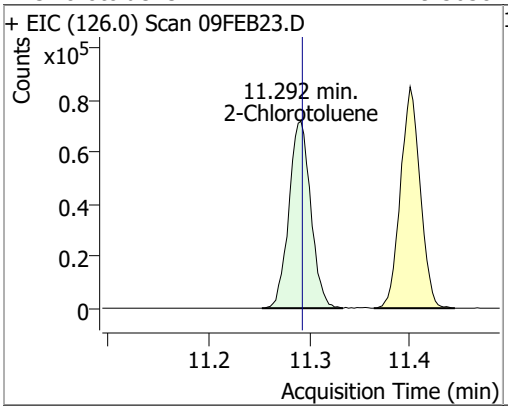
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	122.3325	11.14	-0.01	15544	112.0	66.8	35.8	95.8

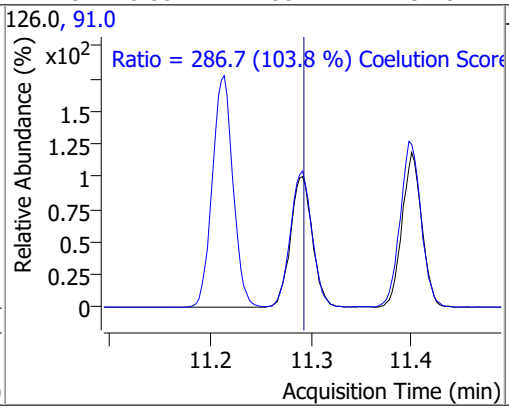


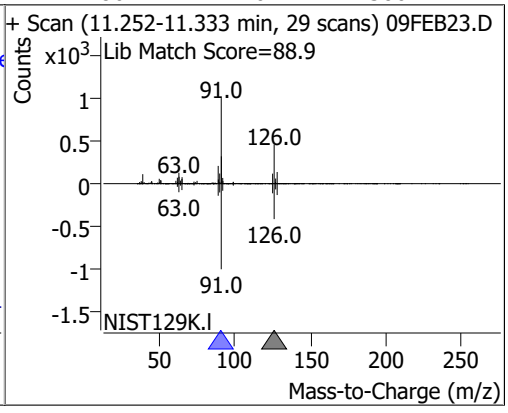




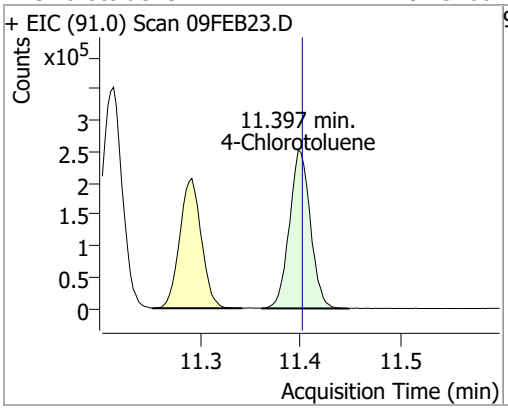
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	129.5638	11.29	0.00	108724	91.0	286.7	246.2	306.2

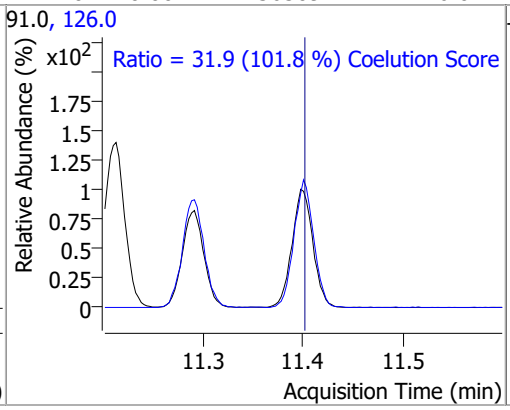


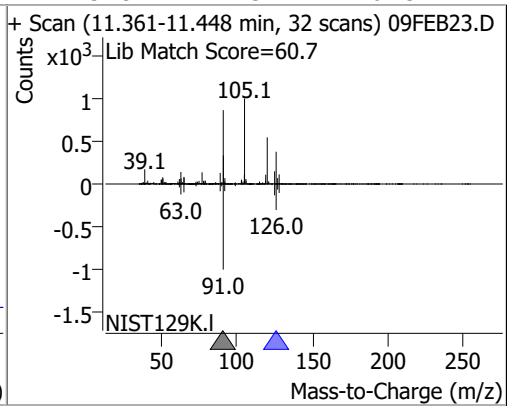




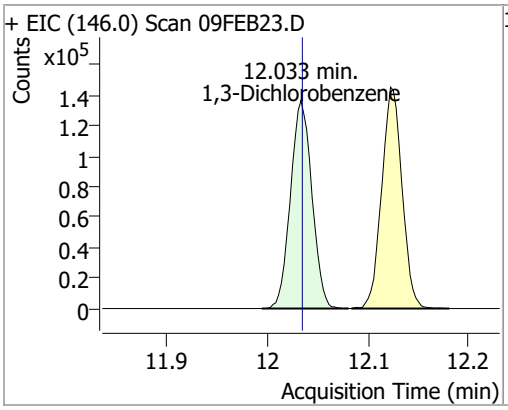
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	134.3260	11.40	0.00	365091	126.0	31.9	1.3	61.3

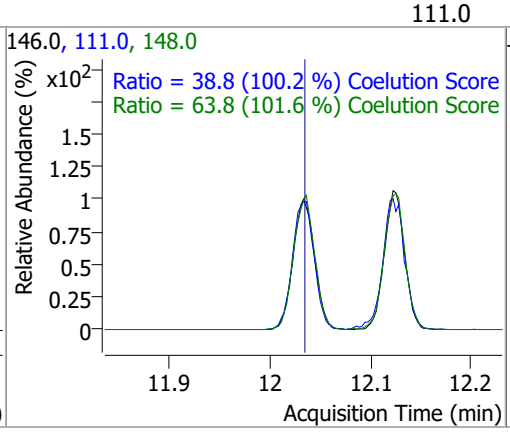


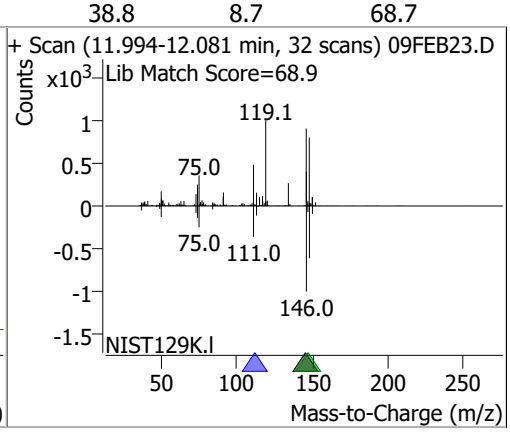




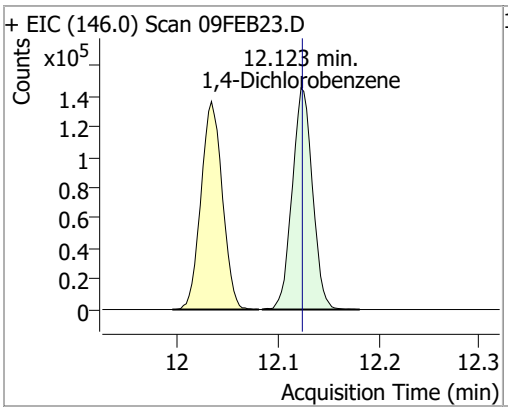
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	131.4561	12.03	0.00	201941	148.0	63.8	32.8	92.8
					111.0	38.8	8.7	68.7

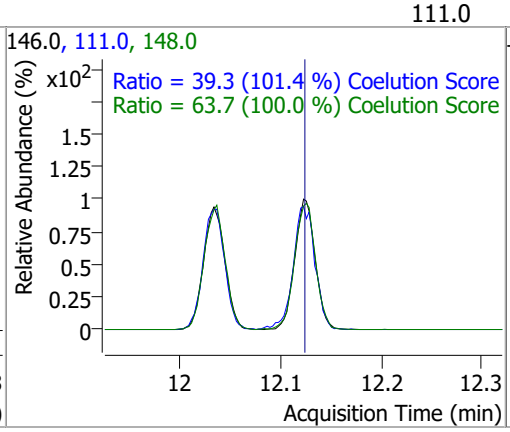


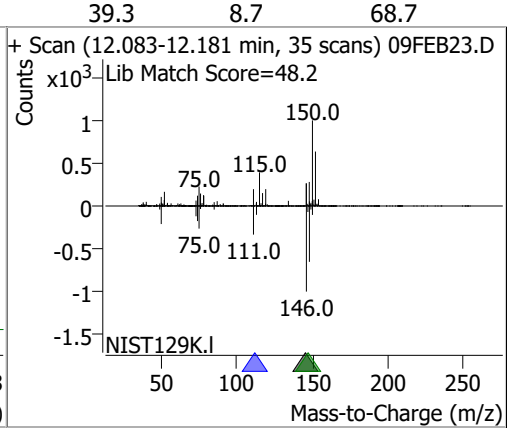




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	130.6546	12.12	0.00	204620	148.0	63.7	33.7	93.7
					111.0	39.3	8.7	68.7

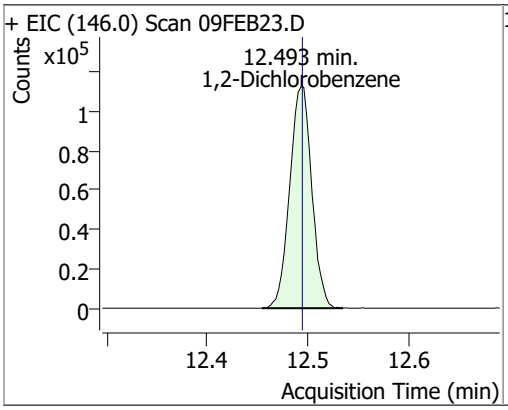


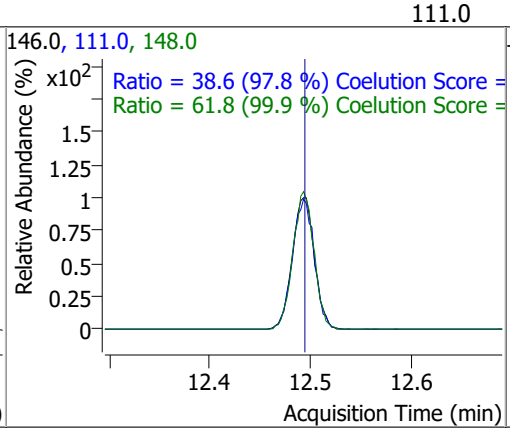


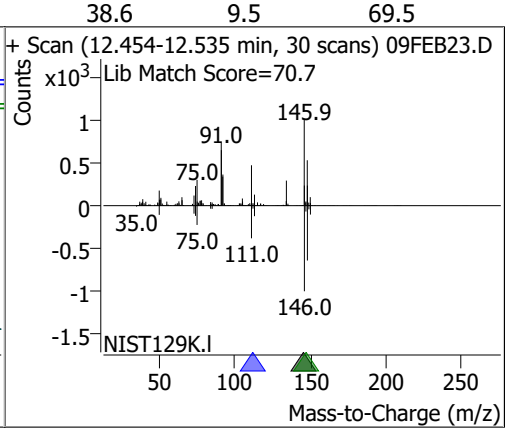


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	134.2833	12.49	0.00	172223	148.0	61.8	31.9	91.9
					111.0	38.6	9.5	69.5







Quantitation Results Report (QT Reviewed)

Data File	09FEB24.D	Operator	MSC
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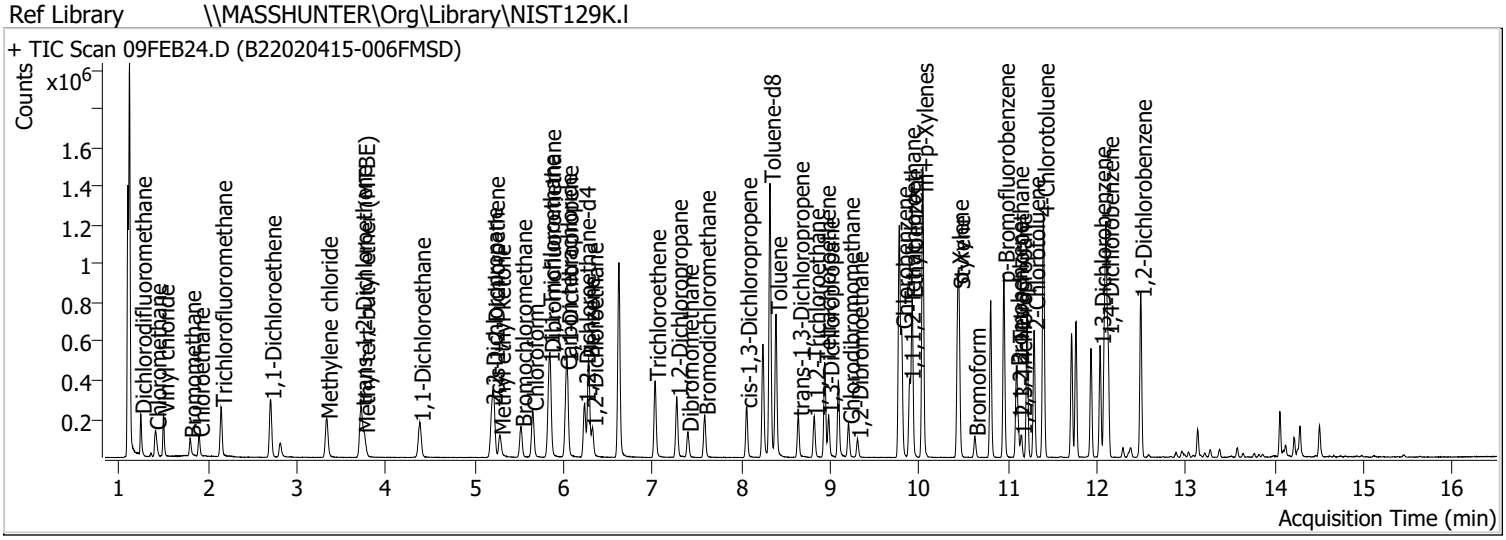
Vial	24	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

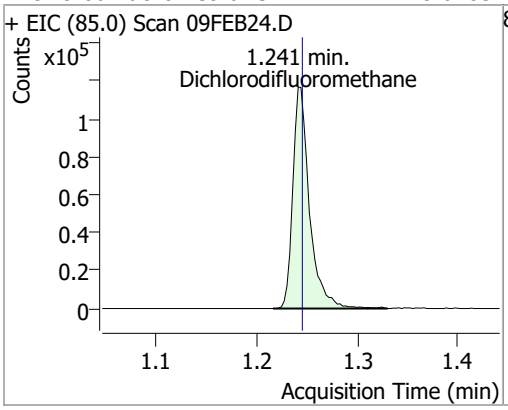


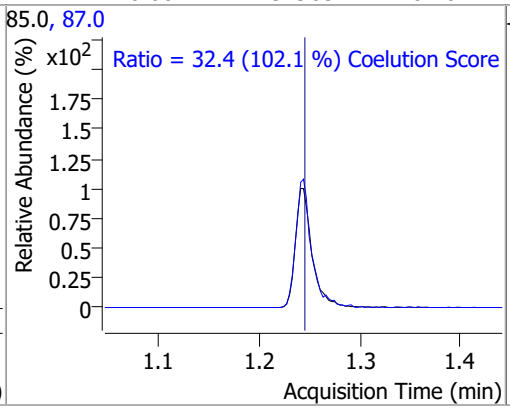
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M Fluorobenzene	6.620	96.0	845644	250.0000	ng	0.000
M Chlorobenzene-d5	9.774	82.0	321794	250.0000	ng	0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	275660	250.0000	ng	0.000
System Monitoring Compounds						
S Dibromofluoromethane	5.845	113.0	215393	262.9708	ng	-0.006
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 105.19%		
S 1,2-Dichloroethane-d4	6.236	67.0	98727	279.0324	ng	0.006
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 111.61%		
S Toluene-d8	8.319	98.0	861866	274.5312	ng	0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 109.81%		
S p-Bromofluorobenzene	10.951	95.0	259343	254.8072	ng	0.003
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 101.92%		
Target Compounds						**QValue**
T Dichlorodifluoromethane	1.241	85.0	134903	118.6403	ng	99
T Chloromethane	1.408	50.0	154293	115.2552	ng	99
T Vinyl chloride	1.498	62.0	144806	118.8356	ng	99
T Bromomethane	1.796	96.0	43057	83.4062	ng	97
T Chloroethane	1.896	64.0	73022	126.6621	ng	99
T Trichlorofluoromethane	2.145	101.0	171774	117.5569	ng	99
T 1,1-Dichloroethene	2.700	96.0	107376	126.2918	ng	99
T Methylene chloride	3.335	49.0	149649	121.0604	ng	99
T trans-1,2-Dichloroethene	3.720	96.0	108517	123.5501	ng	98
T Methyl tert-butyl ether (MTBE)	3.756	73.0	130042	118.4575	ng	100
T 1,1-Dichloroethane	4.381	63.0	207831	126.4325	ng	99
T 2,2-Dichloropropane	5.190	77.0	148315	119.7253	ng	99
T cis-1,2-Dichloroethene	5.212	96.0	112029	125.9725	ng	99
T Methyl ethyl ketone	5.282	43.0	159879	1244.0001	ng	99
T Bromochloromethane	5.522	128.0	44127	120.3445	ng	96
T Chloroform	5.653	83.0	188036	114.5652	ng	100

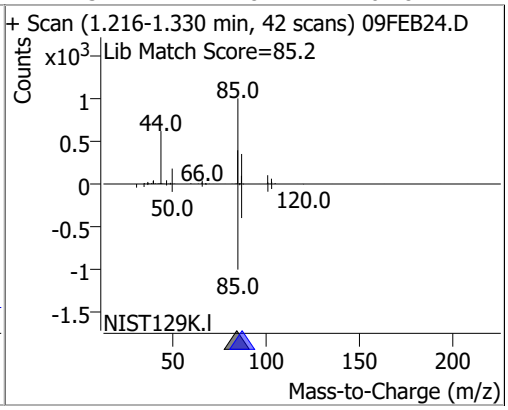
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	5.834	97.0	189349	125.0356	ng	98
T Carbon tetrachloride	6.026	117.0	180438	122.8532	ng	100
T 1,1-Dichloropropene	6.040	75.0	148560	120.9765	ng	99
T Benzene	6.280	78.0	427398	126.5163	ng	100
T 1,2-Dichloroethane	6.325	62.0	113424	121.5598	ng	97
T Trichloroethene	7.028	95.0	121322	125.9348	ng	97
T 1,2-Dichloropropane	7.270	63.0	105495	124.5495	ng	97
T Dibromomethane	7.396	93.0	43525	121.9122	ng	97
T Bromodichloromethane	7.585	83.0	125517	125.0261	ng	99
T cis-1,3-Dichloropropene	8.054	75.0	127604	115.8310	ng	98
T Toluene	8.388	92.0	270540	129.2837	ng	100
T trans-1,3-Dichloropropene	8.639	75.0	101048	125.7498	ng	97
T 1,1,2-Trichloroethane	8.815	83.0	51174	125.2424	ng	94
T Tetrachloroethene	8.935	163.8	105926	124.8298	ng	100
T 1,3-Dichloropropane	8.980	76.0	101310	122.5238	ng	100
T Chlorodibromomethane	9.205	129.0	83096	126.2749	ng	98
T 1,2-Dibromoethane	9.303	107.0	57441	127.2843	ng	100
T Chlorobenzene	9.802	112.0	294936	128.5684	ng	100
T 1,1,1,2-Tetrachloroethane	9.891	131.0	97986	121.7392	ng	96
T Ethylbenzene	9.919	91.0	504097	126.0470	ng	99
T m+p-Xylenes	10.037	106.0	396105	248.7308	ng	99
T o-Xylene	10.432	106.0	179307	128.5557	ng	99
T Styrene	10.446	104.0	295067	127.9679	ng	99
T Bromoform	10.625	172.5	45313	122.6730	ng	99
T Bromobenzene	11.093	156.0	114196	127.2290	ng	99
T 1,1,2,2-Tetrachloroethane	11.113	83.0	62862	122.7868	ng	93
T 1,2,3-Trichloropropane	11.146	110.0	15562	115.6942	ng	97
T 2-Chlorotoluene	11.291	126.0	116762	131.4398	ng	99
T 4-Chlorotoluene	11.397	91.0	375751	130.5950	ng	99
T 1,3-Dichlorobenzene	12.033	146.0	209113	128.5892	ng	99
T 1,4-Dichlorobenzene	12.122	146.0	211247	127.4190	ng	100
T 1,2-Dichlorobenzene	12.493	146.0	173051	127.4595	ng	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

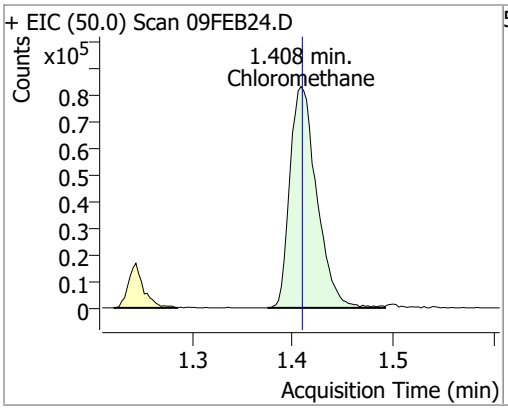
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	118.6403	1.24	0.00	134903	87.0	32.4	1.8	61.8

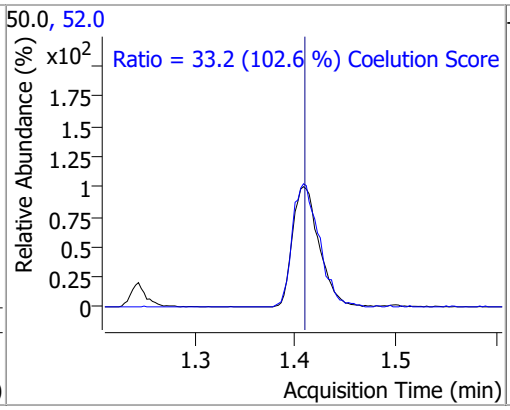


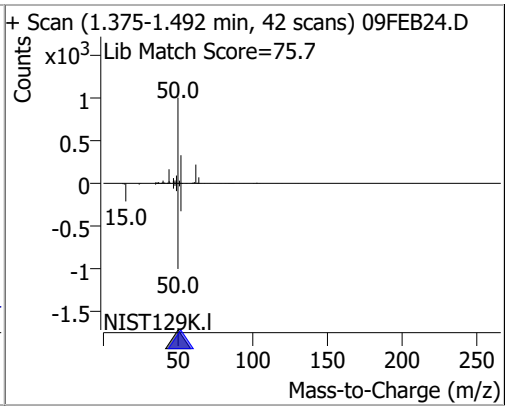




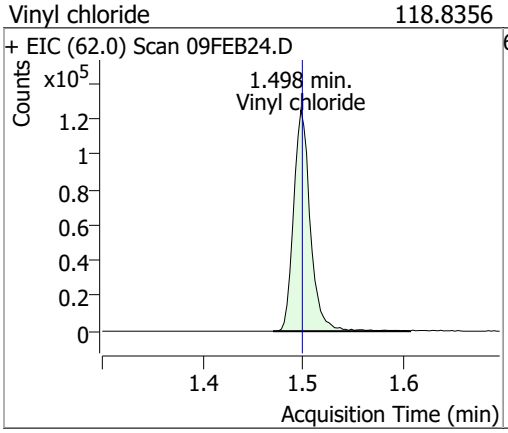
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	115.2552	1.41	0.00	154293	52.0	33.2	2.4	62.4

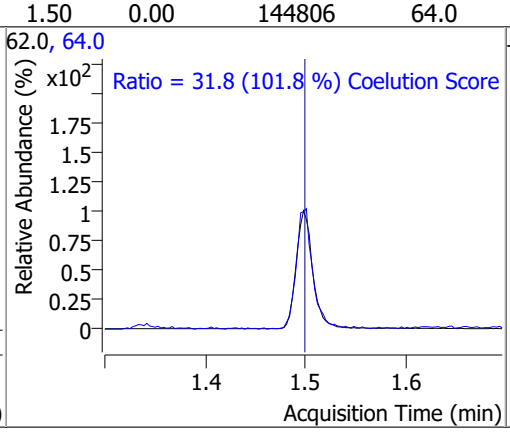


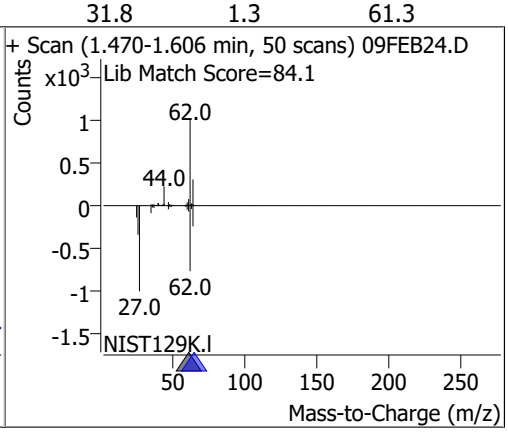




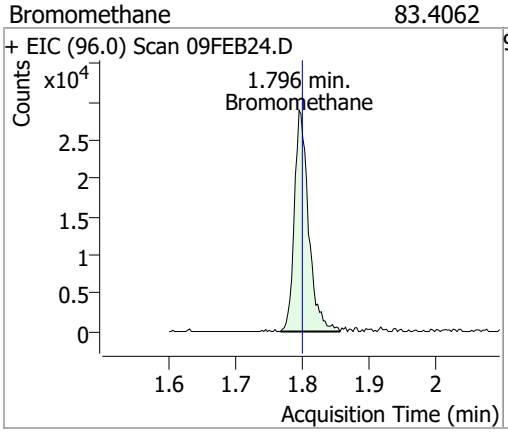
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	118.8356	1.50	0.00	144806	64.0	31.8	1.3	61.3

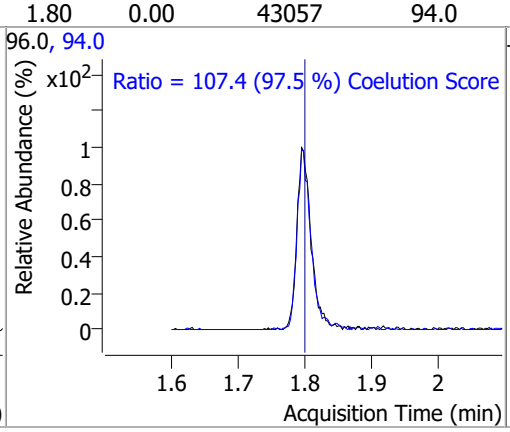


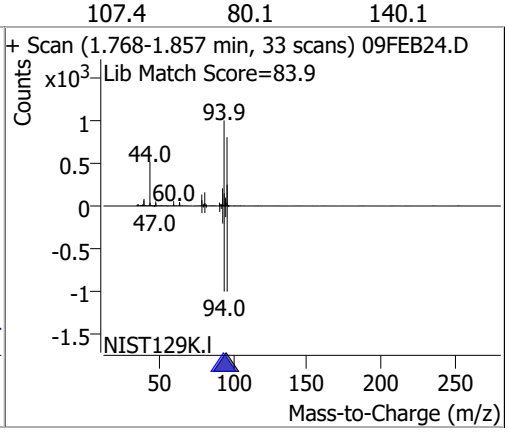




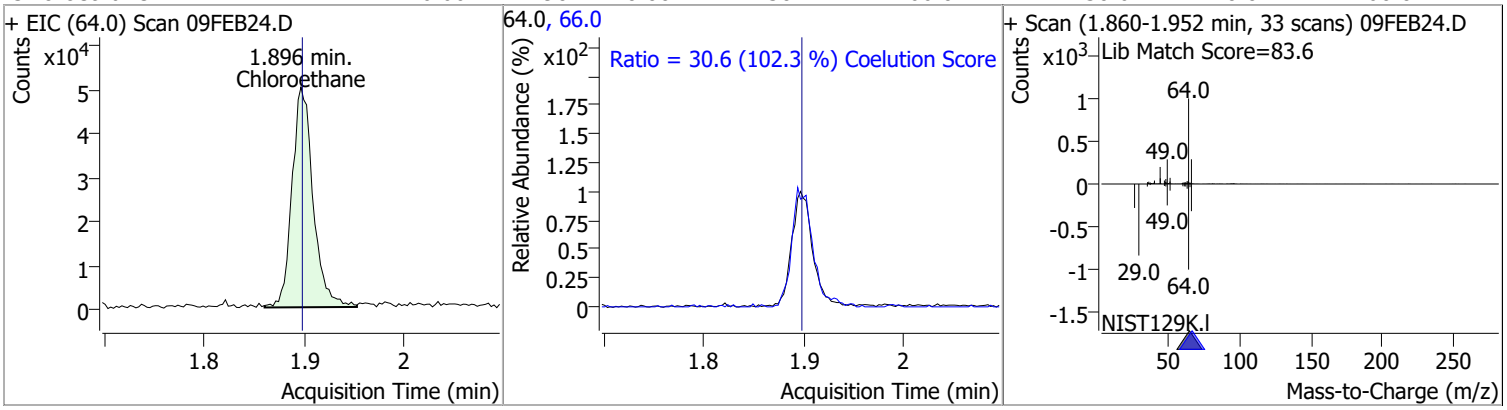
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	83.4062	1.80	0.00	43057	94.0	107.4	80.1	140.1



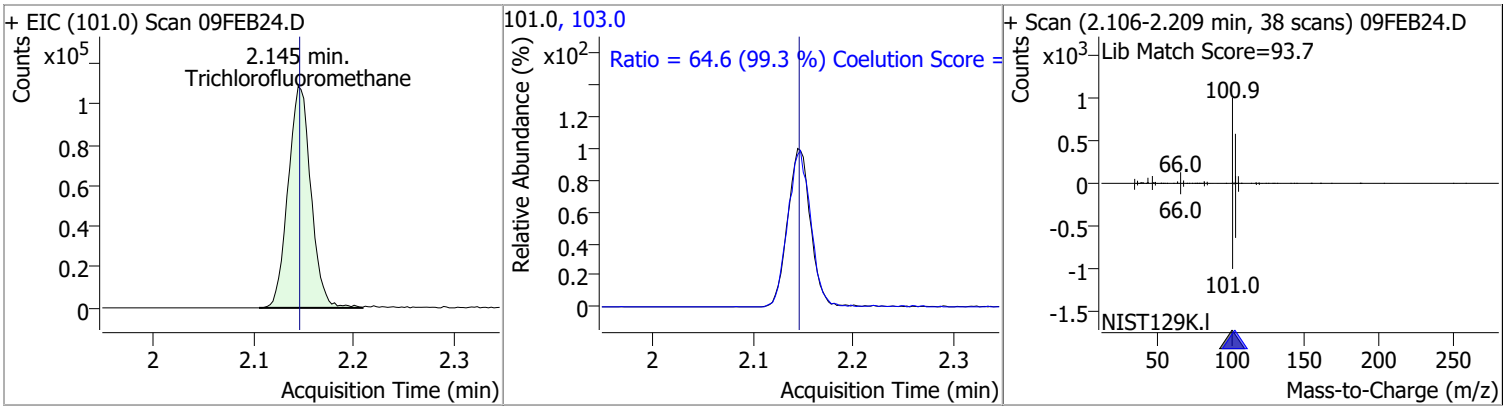




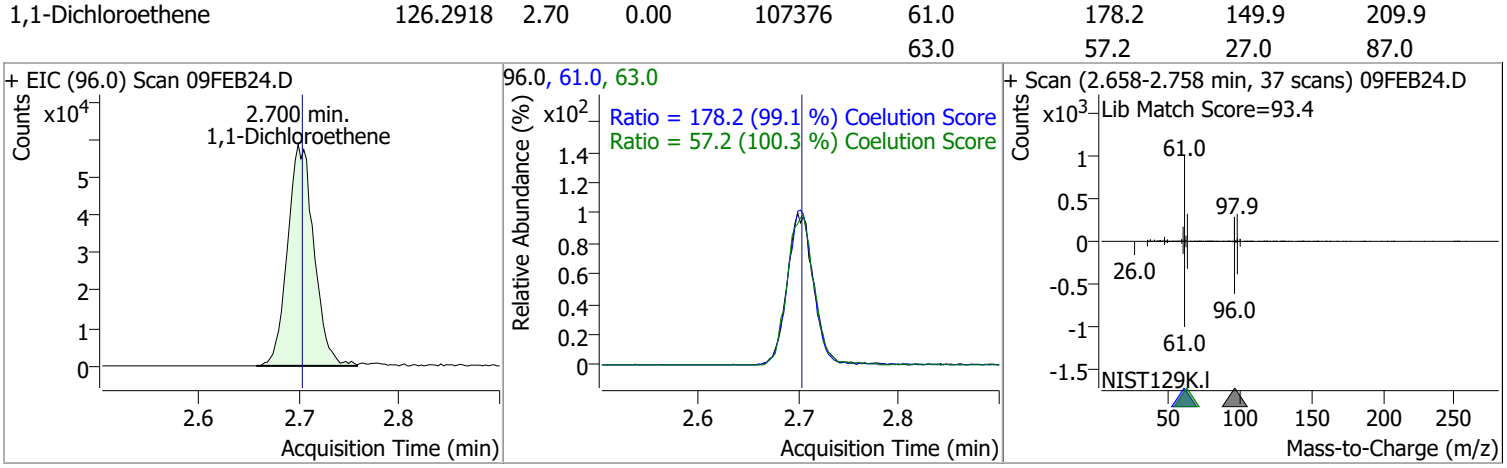
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	126.6621	1.90	0.00	73022	66.0	30.6	0.0	60.0



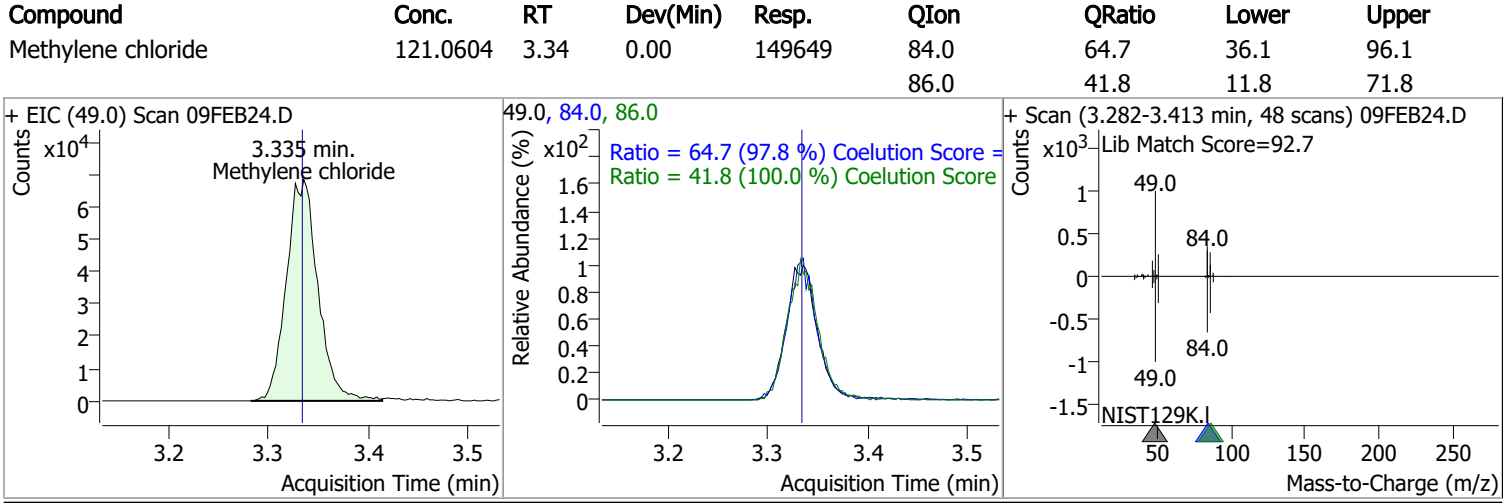
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	117.5569	2.14	0.00	171774	103.0	64.6	35.0	95.0



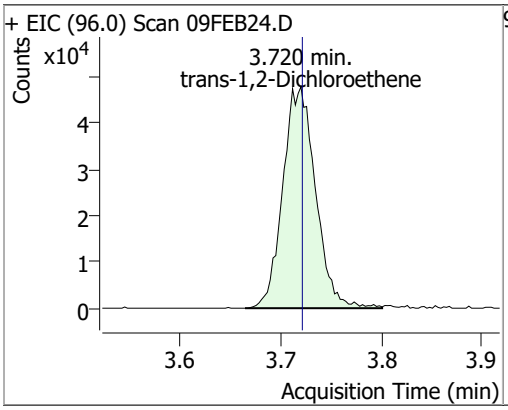
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	126.2918	2.70	0.00	107376	61.0	178.2	149.9	209.9
					63.0	57.2	27.0	87.0

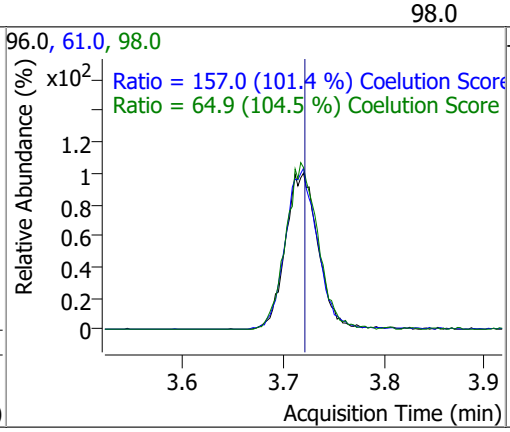


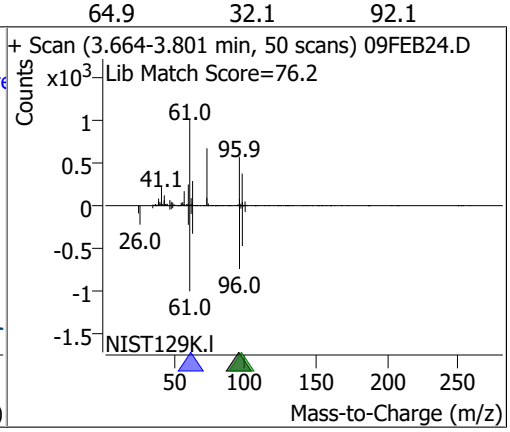
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	121.0604	3.34	0.00	149649	84.0	64.7	36.1	96.1
					86.0	41.8	11.8	71.8



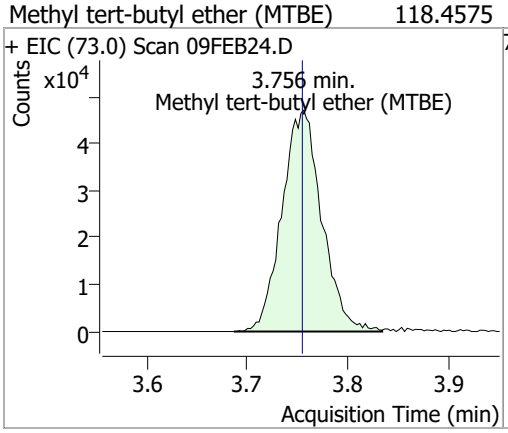
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	123.5501	3.72	0.00	108517	61.0	157.0	124.8	184.8
					98.0	64.9	32.1	92.1

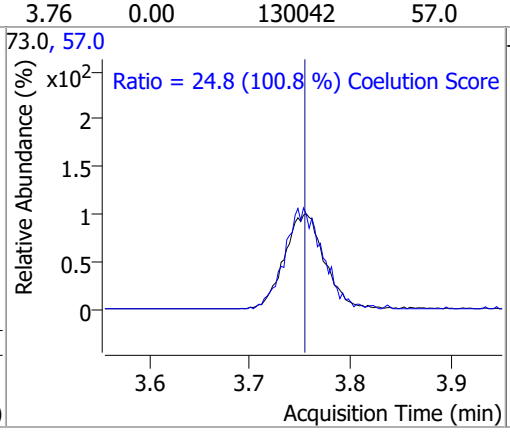


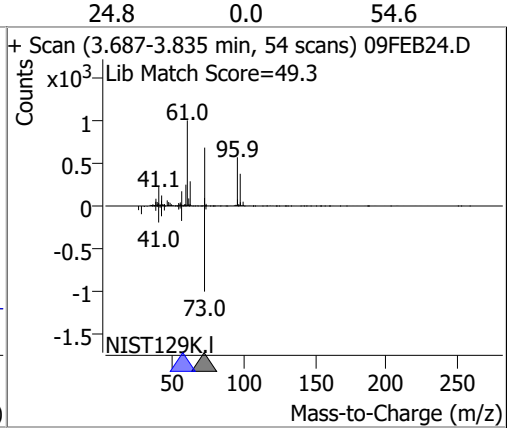




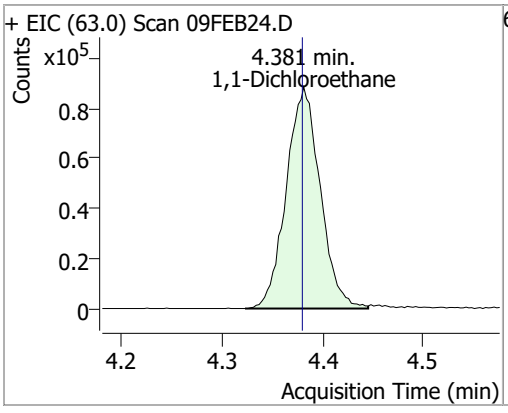
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	118.4575	3.76	0.00	130042	57.0	24.8	0.0	54.6

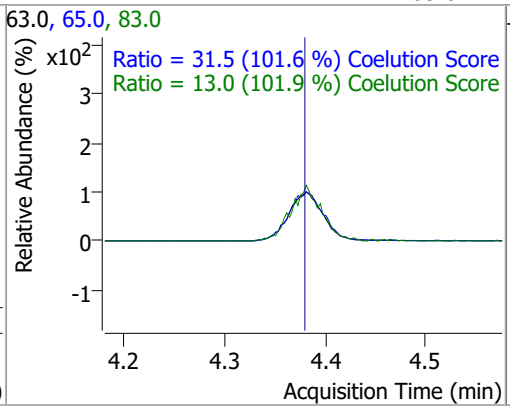


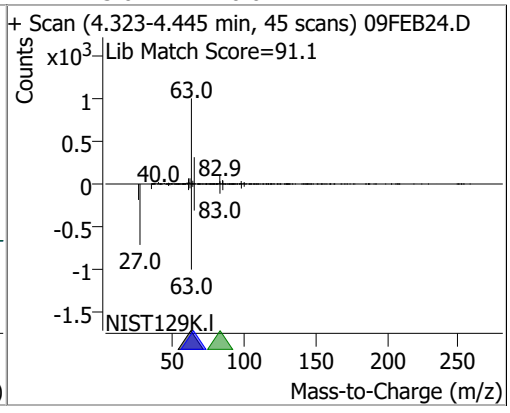




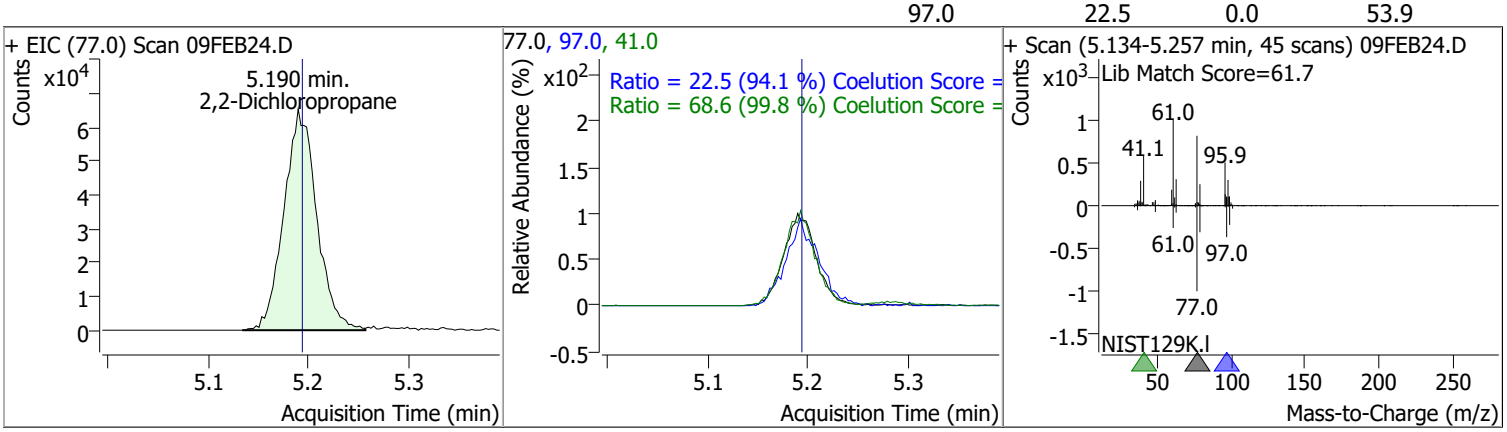
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	126.4325	4.38	0.00	207831	65.0	31.5	1.0	61.0
					83.0	13.0	0.0	42.7



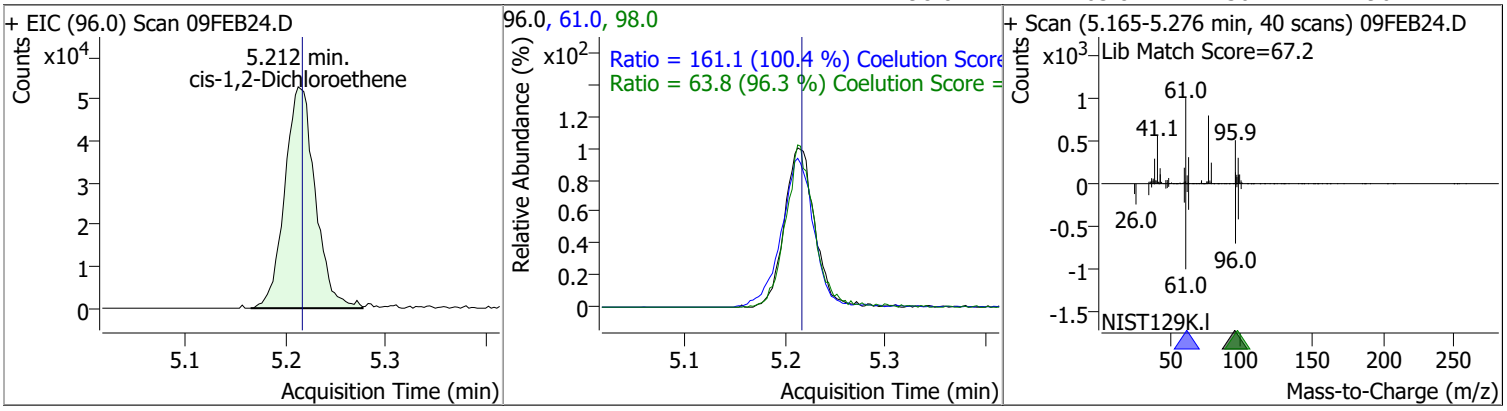




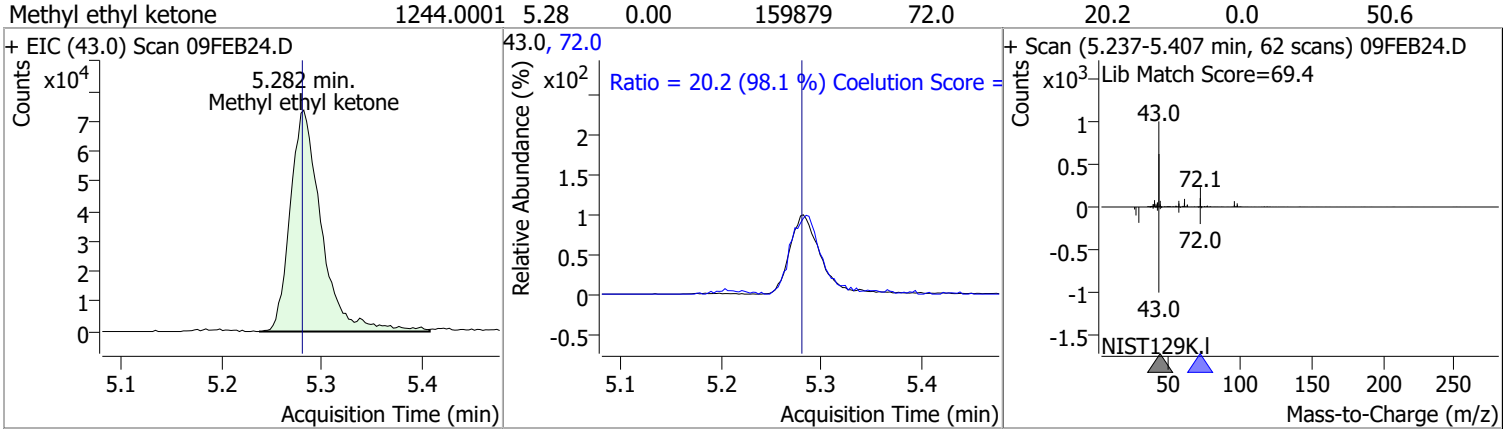
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	119.7253	5.19	0.00	148315	41.0	68.6	38.8	98.8
					97.0	22.5	0.0	53.9



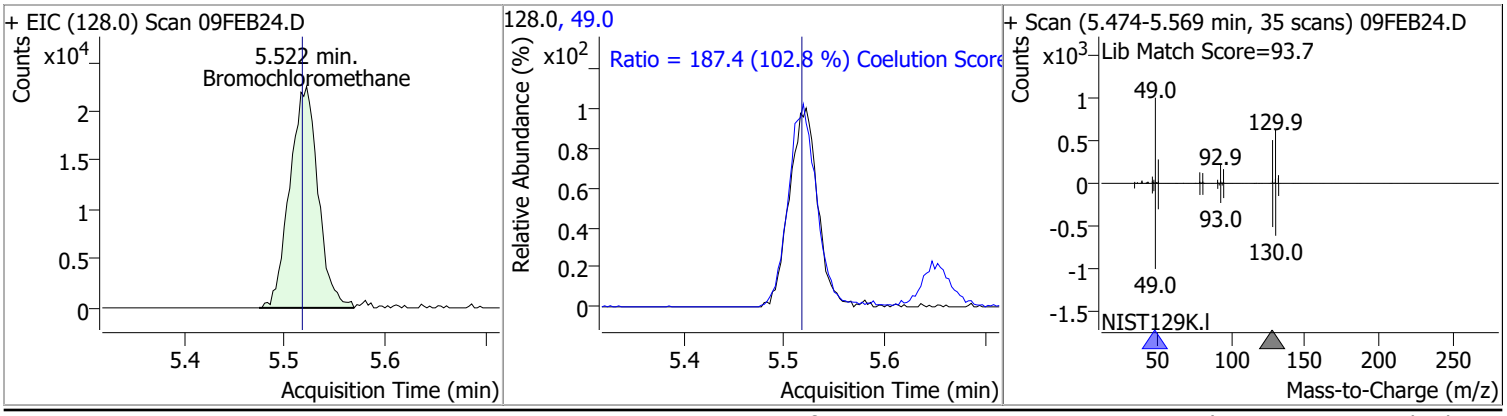
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	125.9725	5.21	0.00	112029	61.0	161.1	130.4	190.4
					98.0	63.8	36.2	96.2



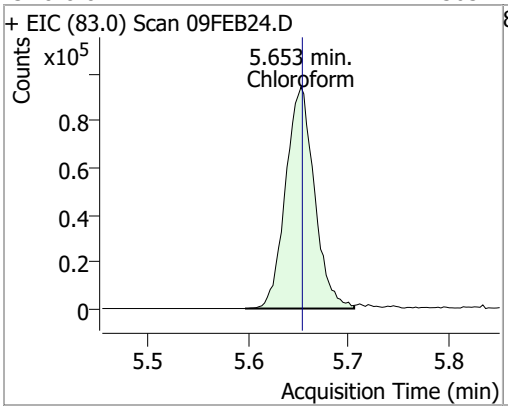
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	1244.0001	5.28	0.00	159879	72.0	20.2	0.0	50.6

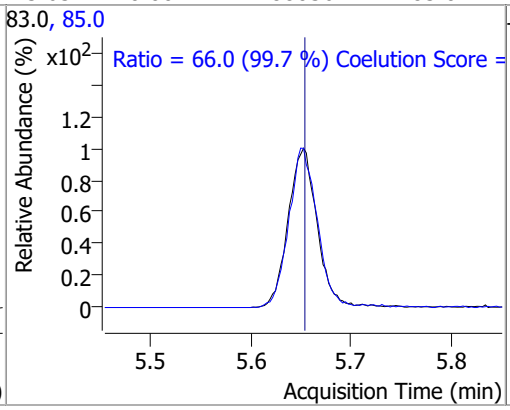


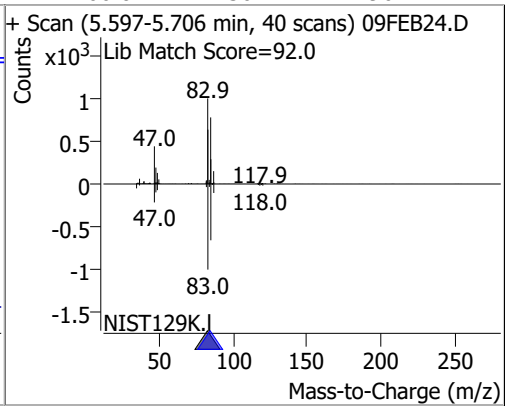
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	120.3445	5.52	0.01	44127	49.0	187.4	152.2	212.2



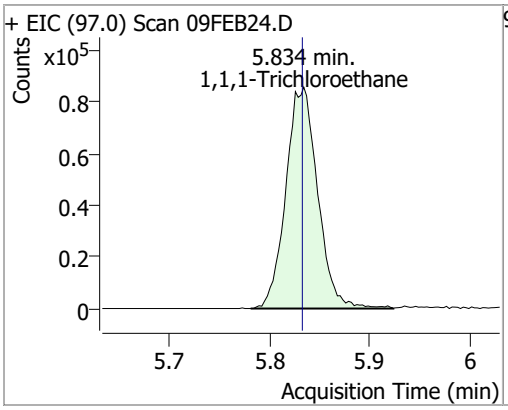
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	114.5652	5.65	0.00	188036	85.0	66.0	36.2	96.2

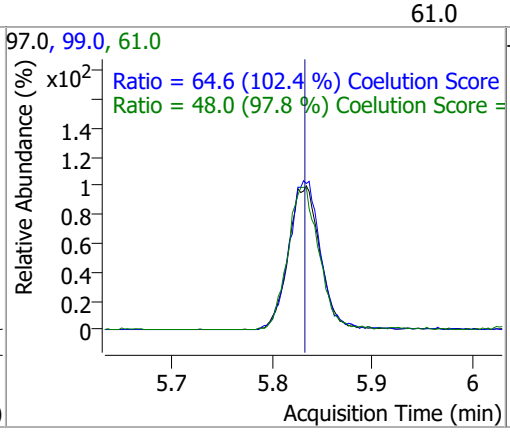


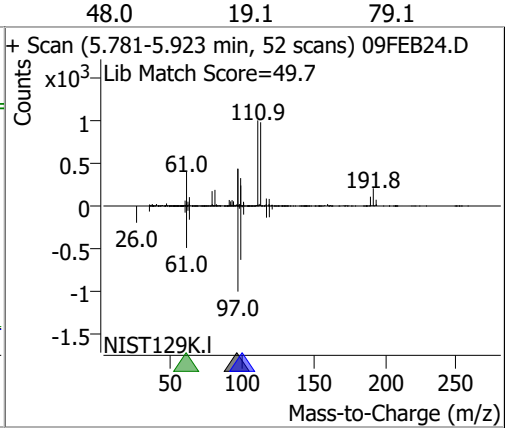




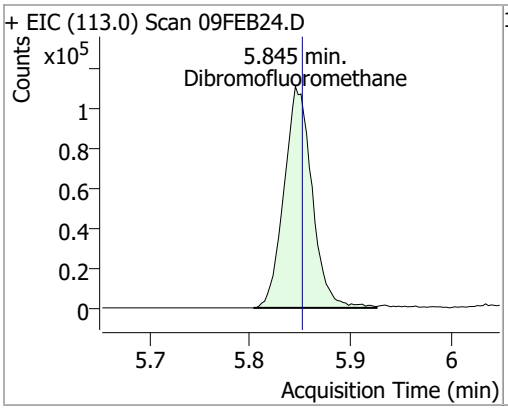
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	125.0356	5.83	0.00	189349	99.0	64.6	33.1	93.1
					61.0	48.0	19.1	79.1

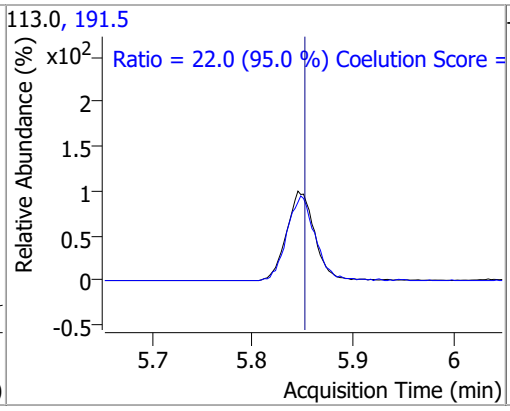


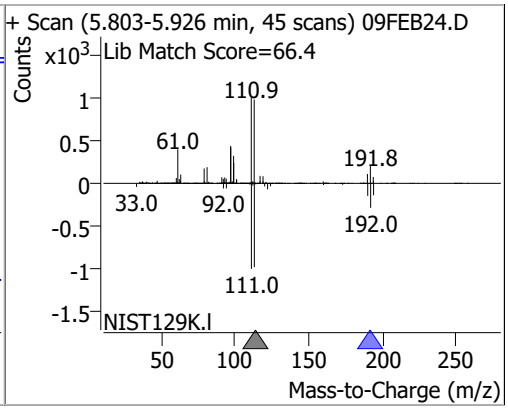




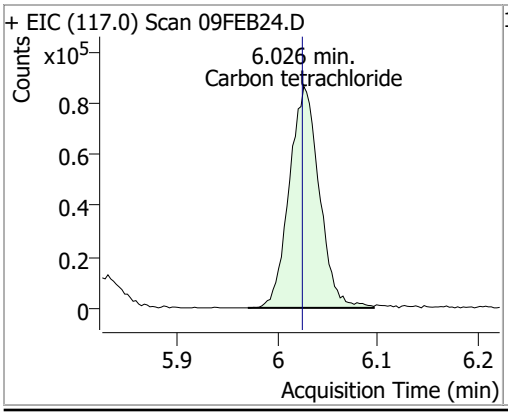
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	262.9708	5.85	-0.01	215393	191.5	22.0	0.0	53.2

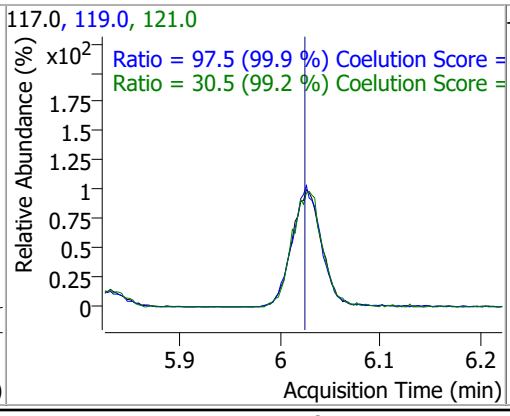


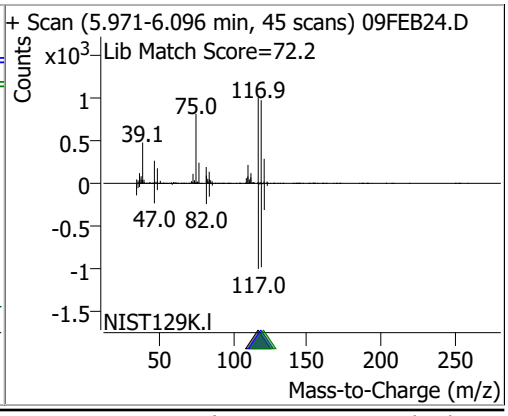




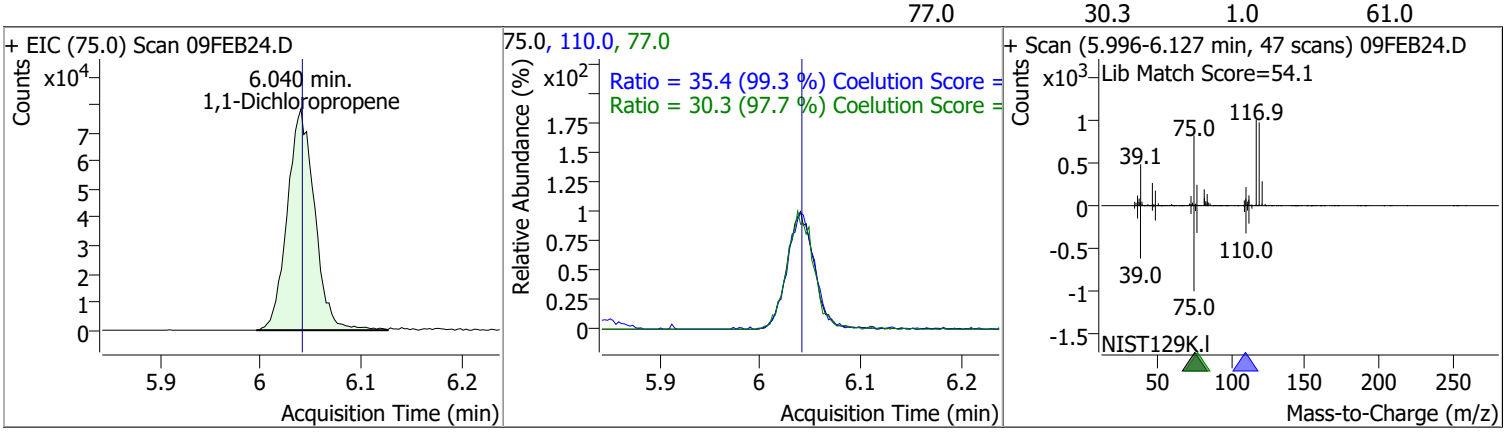
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	122.8532	6.03	0.00	180438	119.0	97.5	67.6	127.6
					121.0	30.5	0.7	60.7



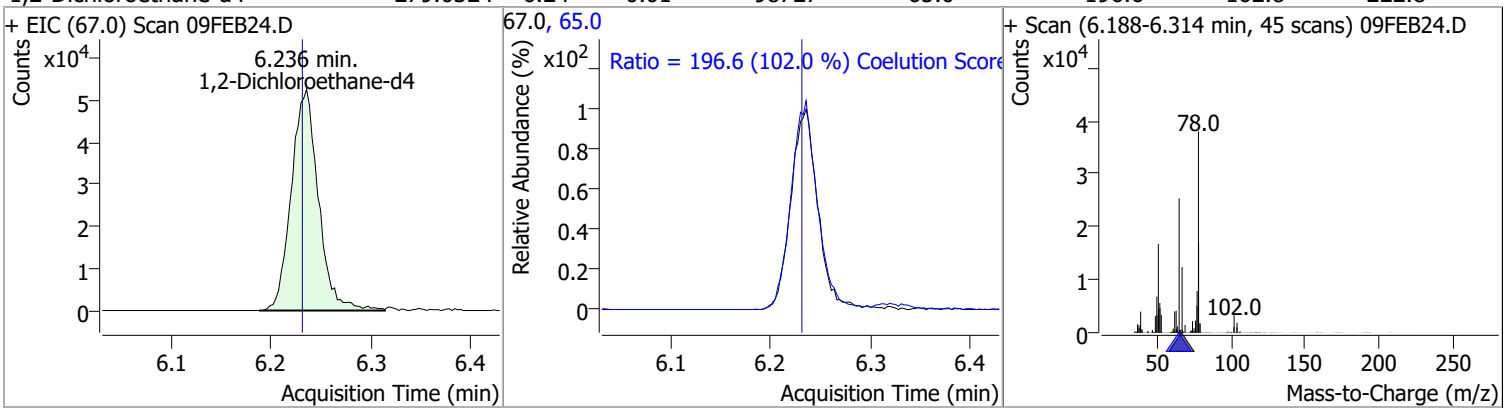




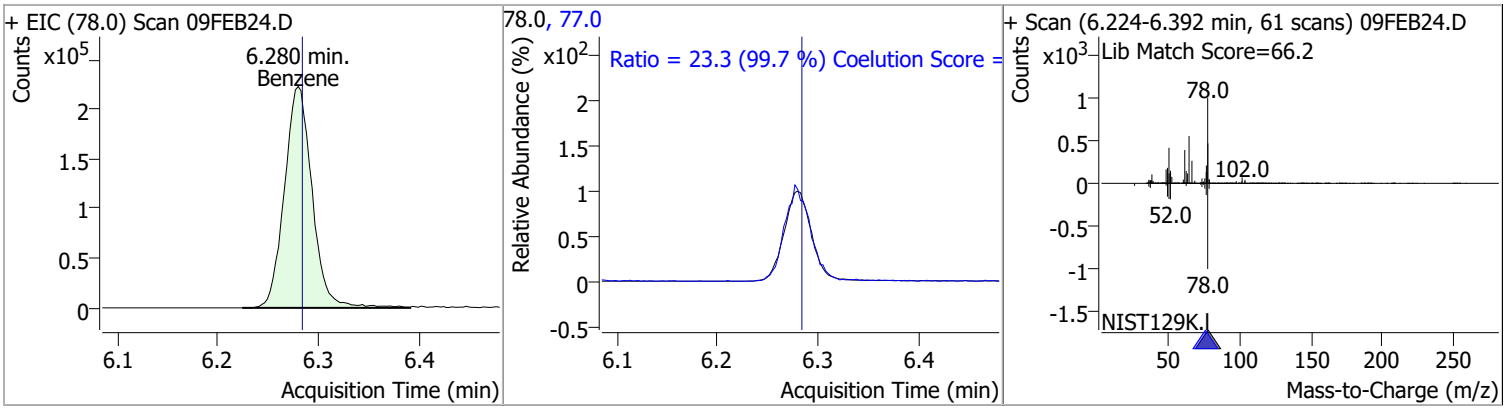
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	120.9765	6.04	0.00	148560	110.0	35.4	5.6	65.6
					77.0	30.3	1.0	61.0



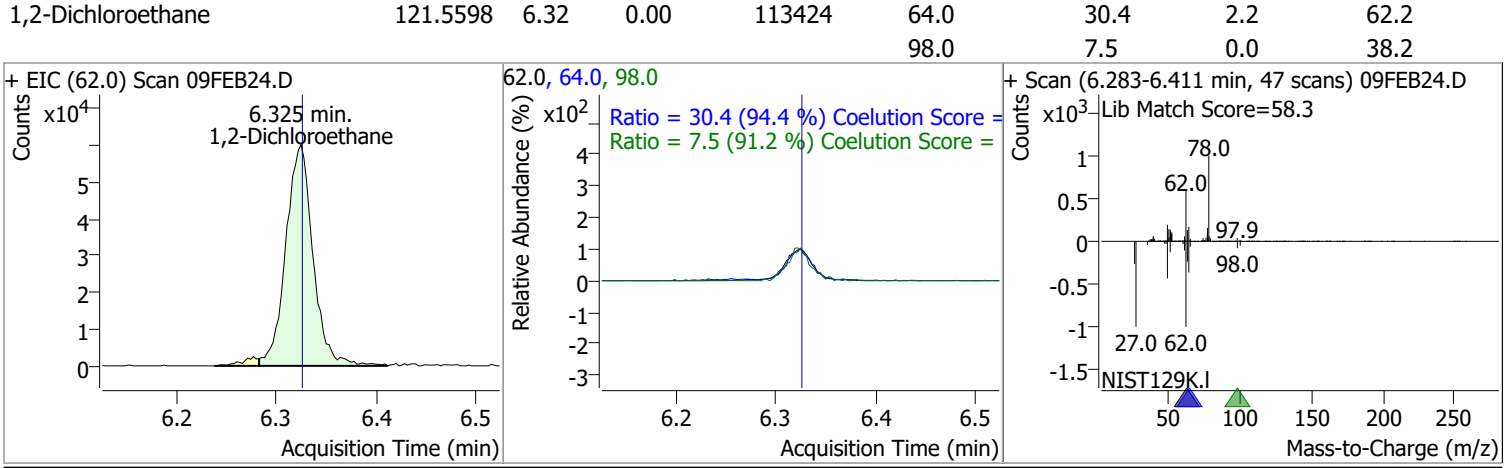
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	279.0324	6.24	0.01	98727	65.0	196.6	162.8	222.8



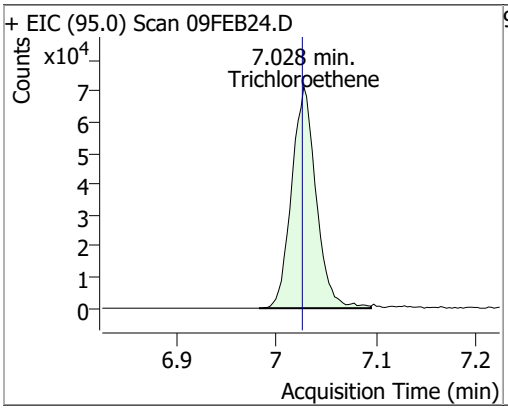
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	126.5163	6.28	0.00	427398	77.0	23.3	0.0	53.3

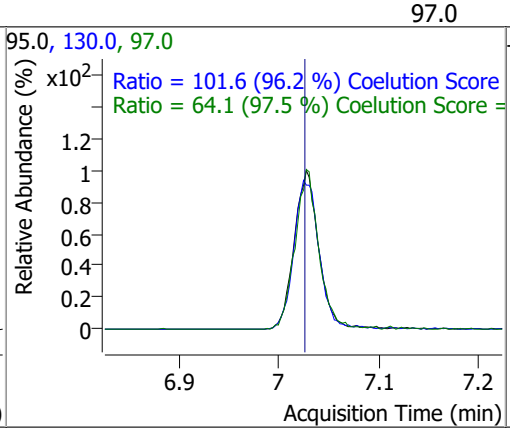


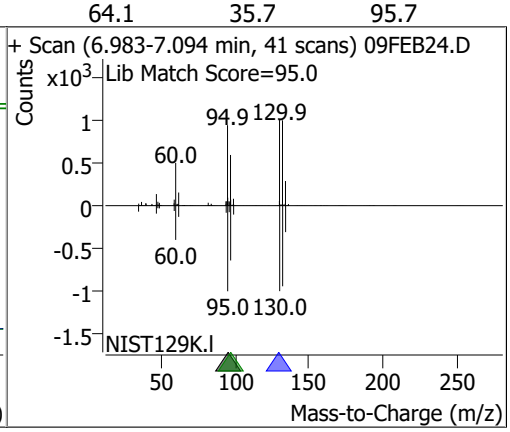
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	121.5598	6.32	0.00	113424	64.0	30.4	2.2	62.2
					98.0	7.5	0.0	38.2



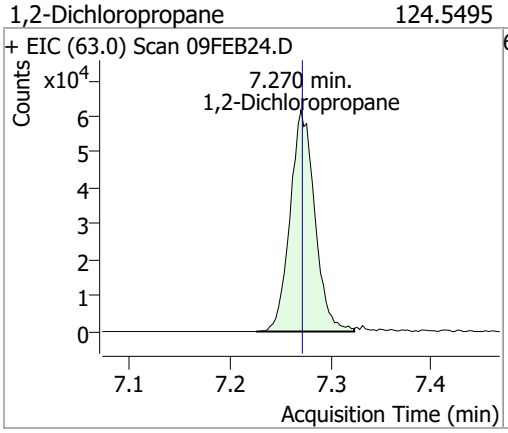
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	125.9348	7.03	0.00	121322	130.0	101.6	75.6	135.6
					97.0	64.1	35.7	95.7

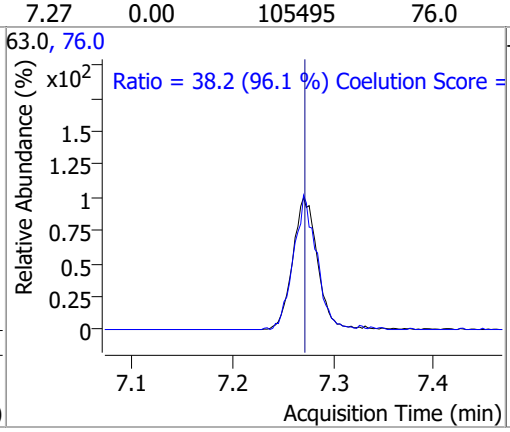


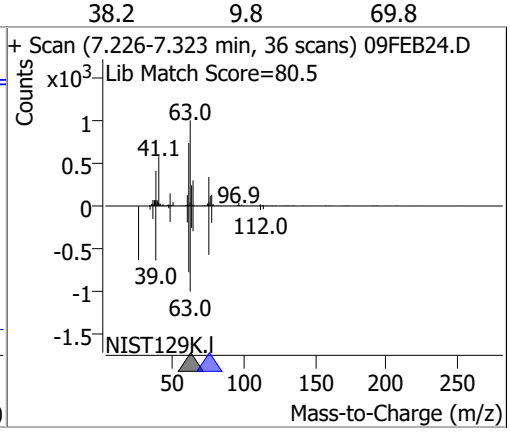




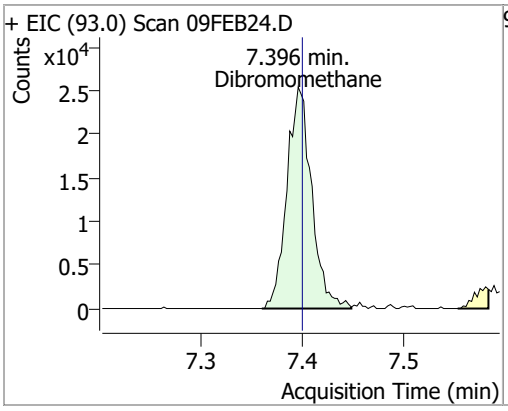
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	124.5495	7.27	0.00	105495	76.0	38.2	9.8	69.8

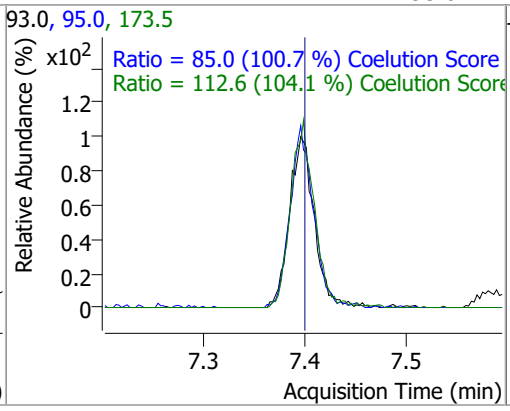


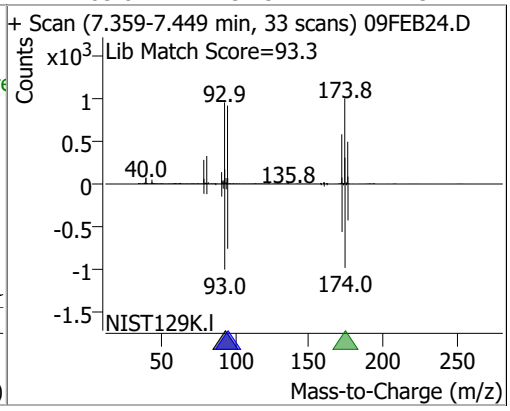




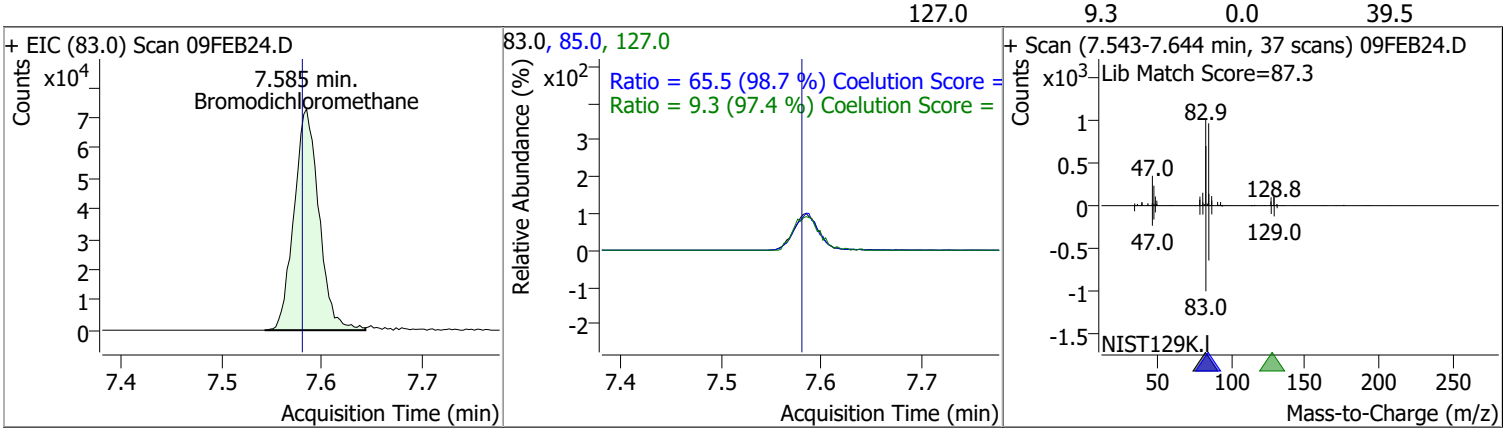
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	121.9122	7.40	0.00	43525	173.5	112.6	78.2	138.2
					95.0	85.0	54.5	114.5



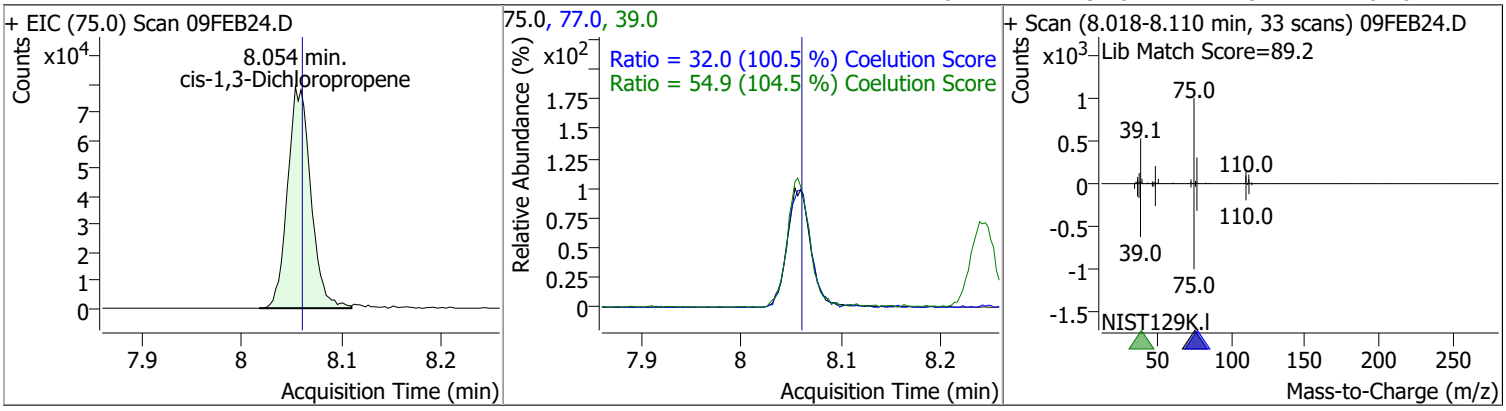




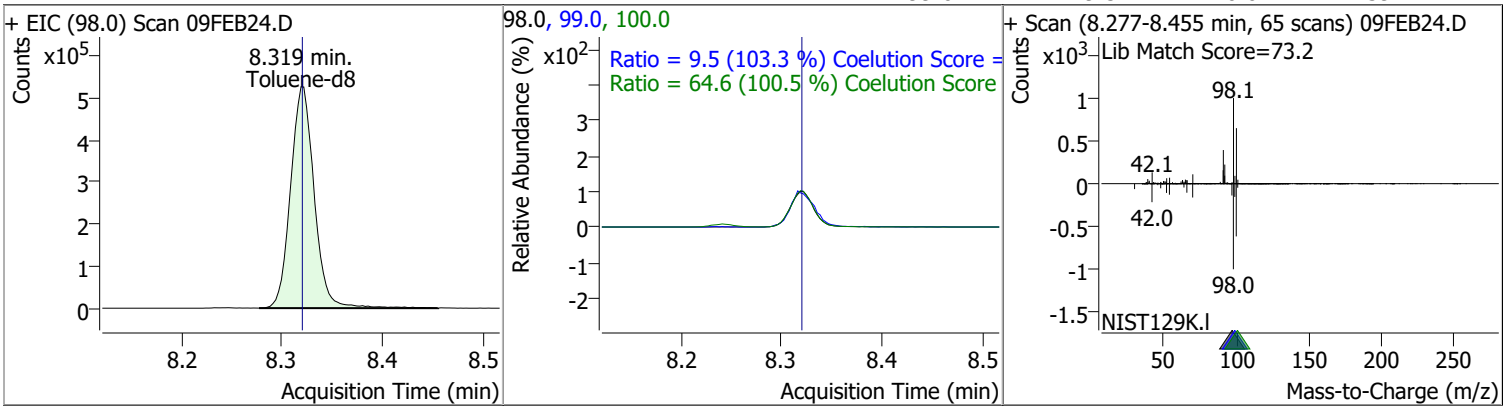
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	125.0261	7.59	0.01	125517	85.0	65.5	36.3	96.3
					127.0	9.3	0.0	39.5



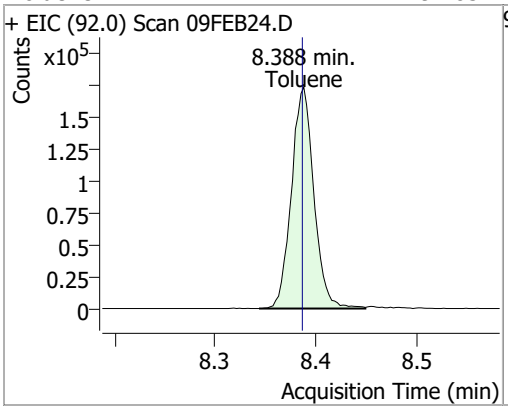
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	115.8310	8.05	-0.01	127604	39.0	54.9	22.5	82.5
					77.0	32.0	1.8	61.8

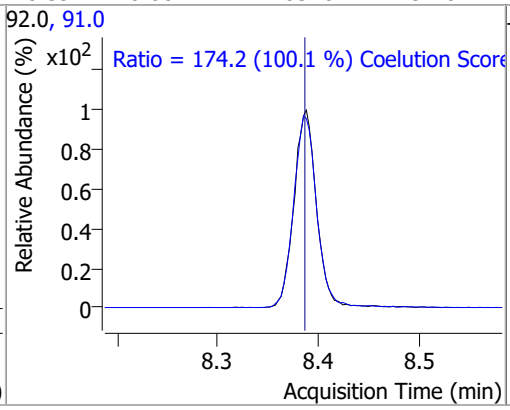


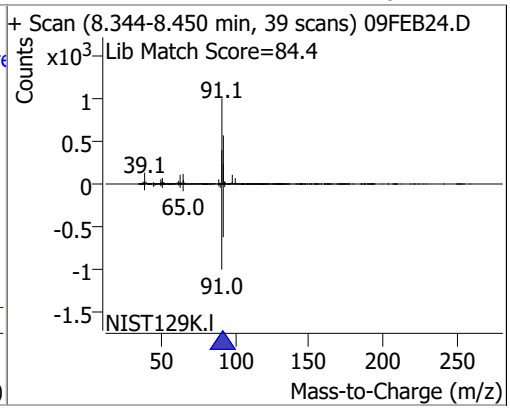
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	274.5312	8.32	0.00	861866	100.0	64.6	34.3	94.3
					99.0	9.5	0.0	39.2



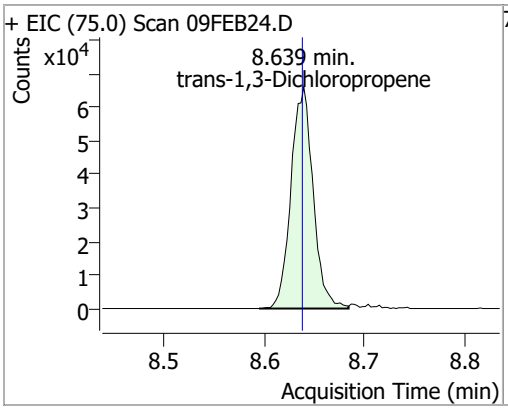
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	129.2837	8.39	0.00	270540	91.0	174.2	144.1	204.1

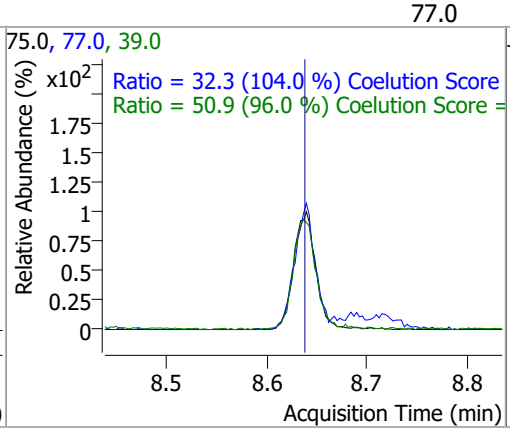


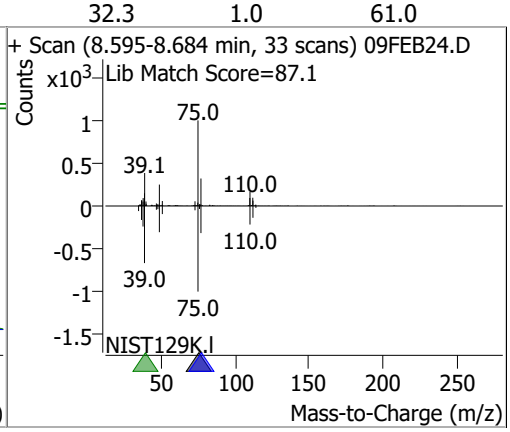




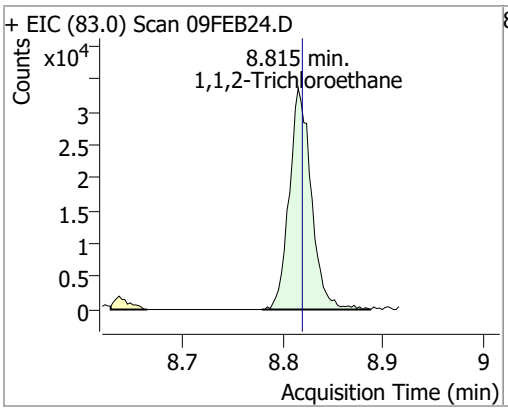
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	125.7498	8.64	0.00	101048	39.0	50.9	23.0	83.0
					77.0	32.3	1.0	61.0

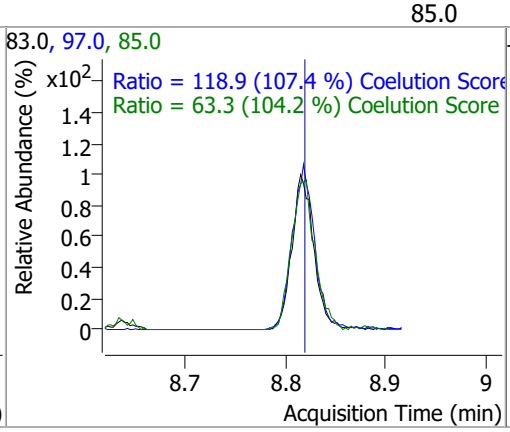


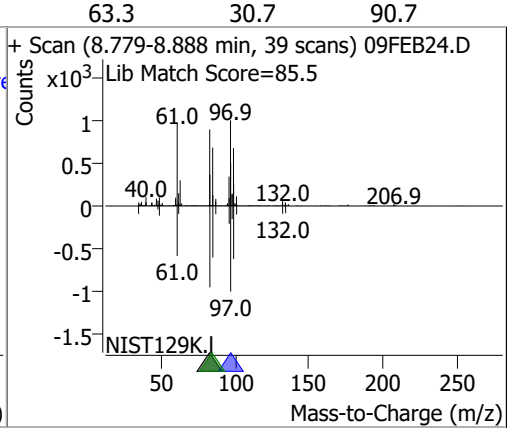




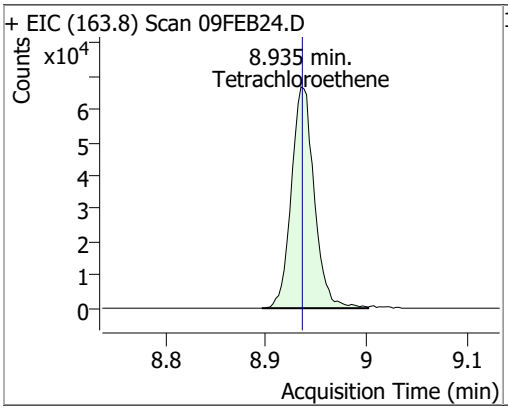
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	125.2424	8.82	0.00	51174	97.0	118.9	80.7	140.7
					85.0	63.3	30.7	90.7

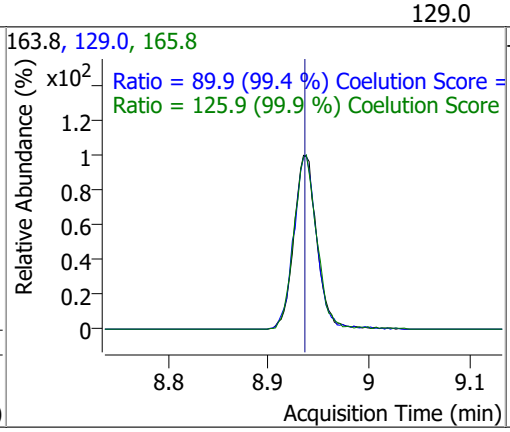


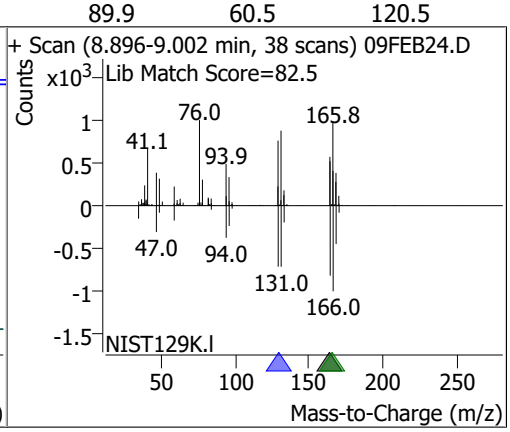




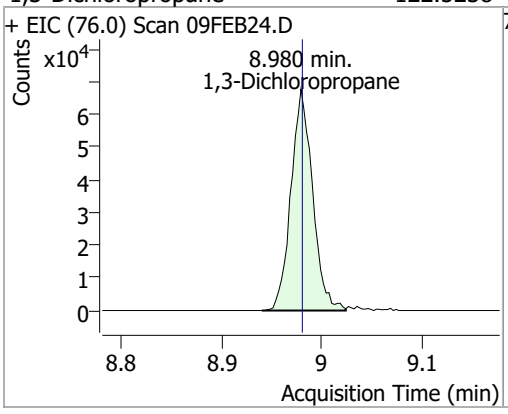
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	124.8298	8.93	0.00	105926	165.8	125.9	96.1	156.1
					129.0	89.9	60.5	120.5

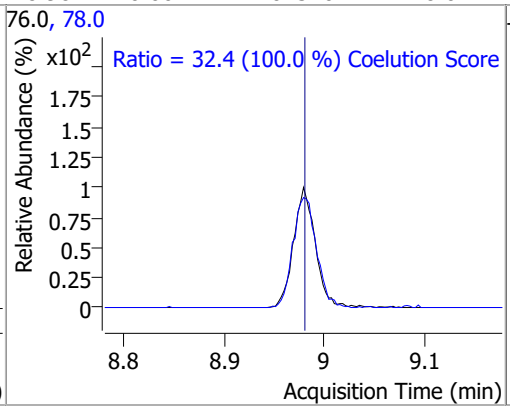


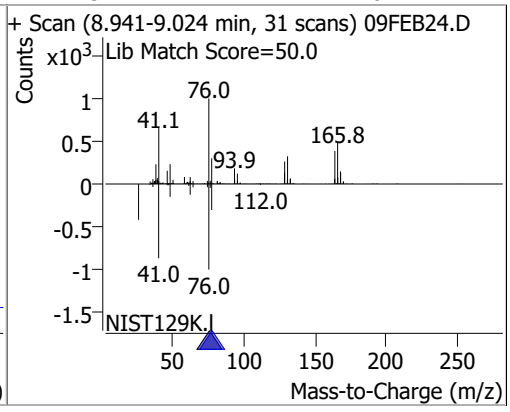




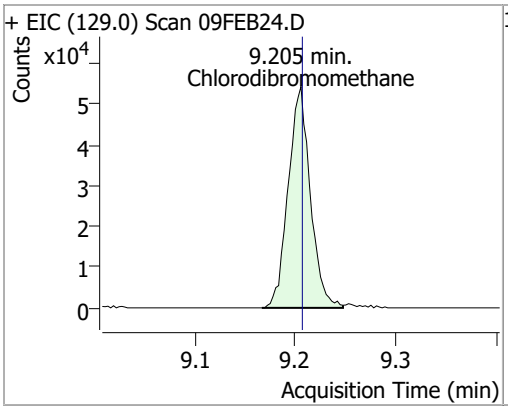
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	122.5238	8.98	0.00	101310	78.0	32.4	2.4	62.4

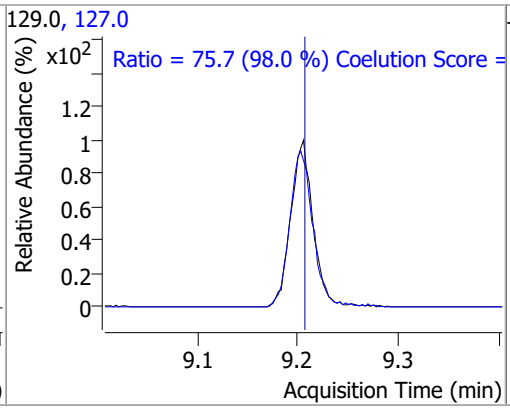


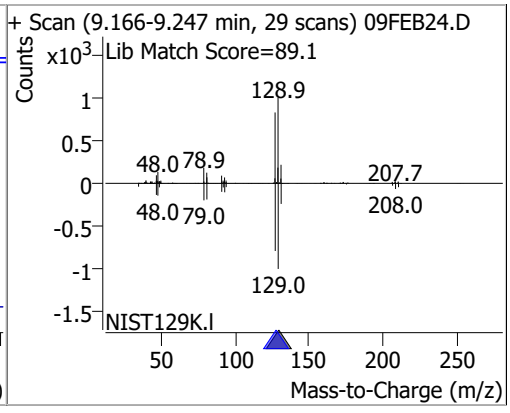




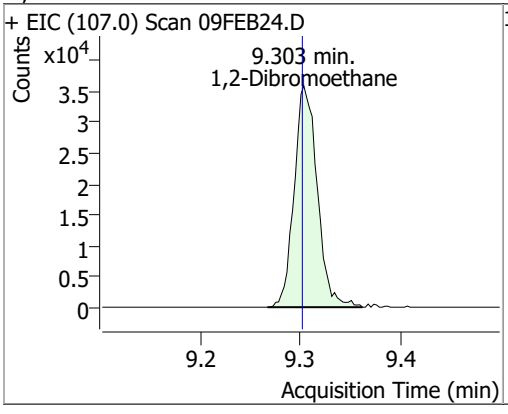
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	126.2749	9.21	0.00	83096	127.0	75.7	47.2	107.2

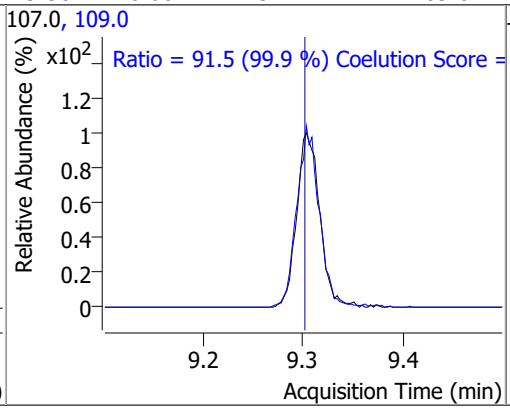


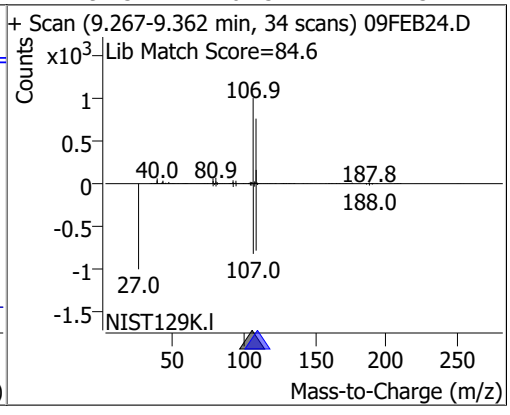




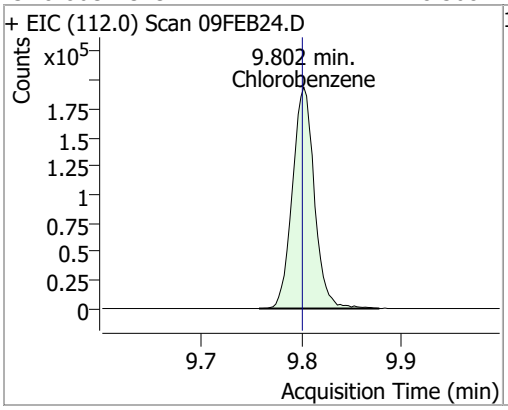
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	127.2843	9.30	0.00	57441	109.0	91.5	61.5	121.5

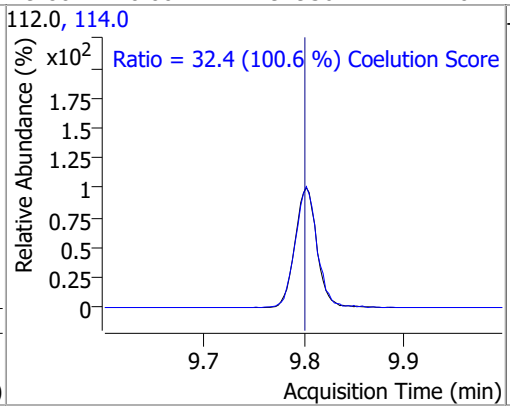


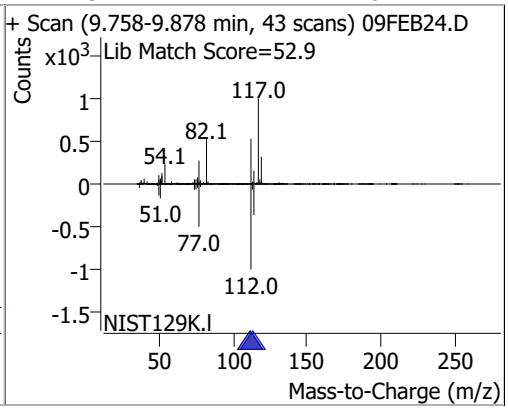




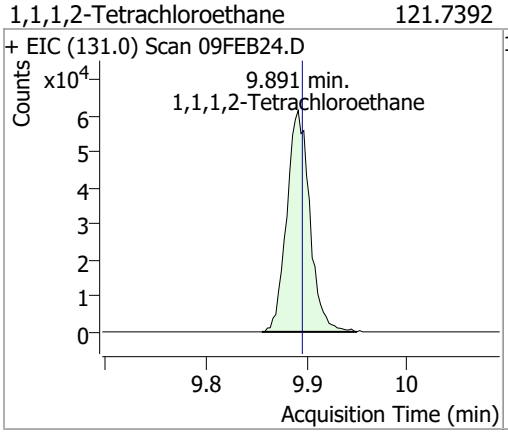
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	128.5684	9.80	0.00	294936	114.0	32.4	2.2	62.2

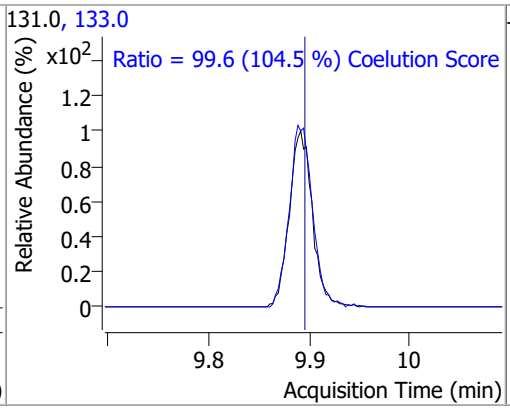


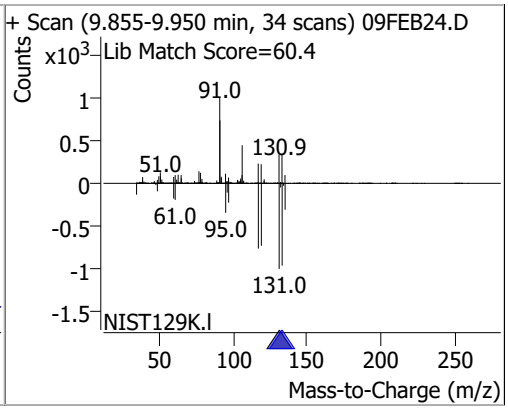




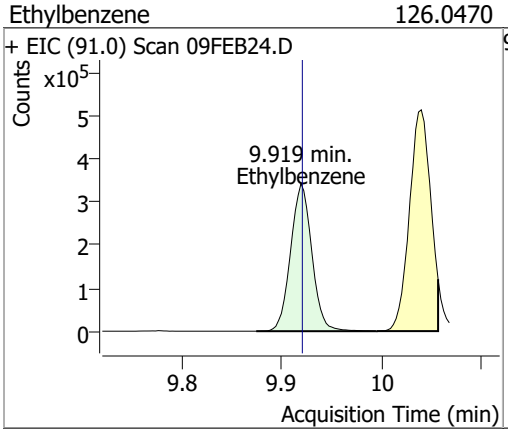
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	121.7392	9.89	0.00	97986	133.0	99.6	65.3	125.3

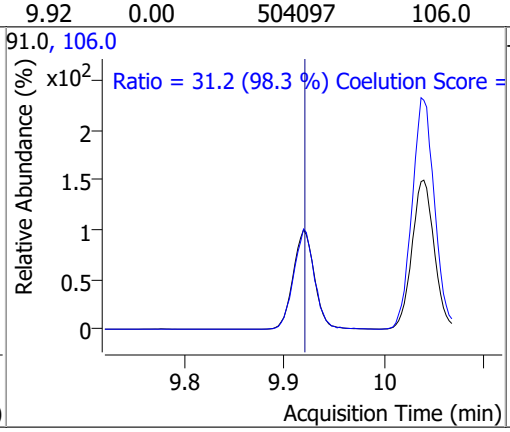


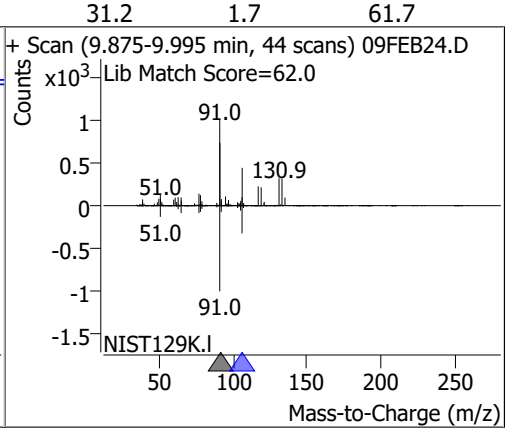




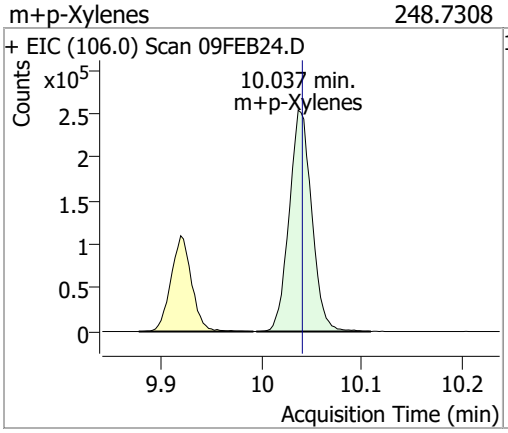
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	126.0470	9.92	0.00	504097	106.0	31.2	1.7	61.7

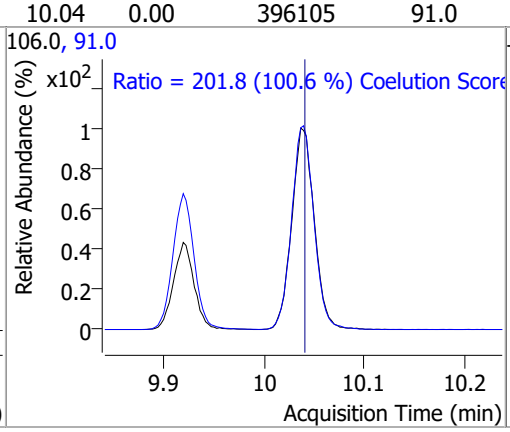


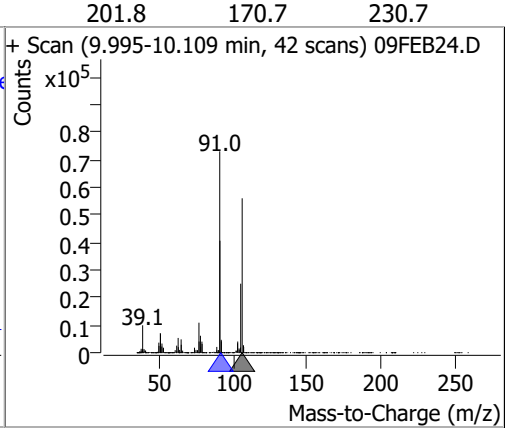




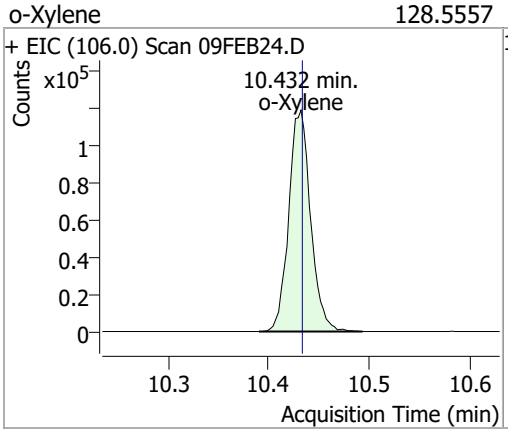
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	248.7308	10.04	0.00	396105	91.0	201.8	170.7	230.7

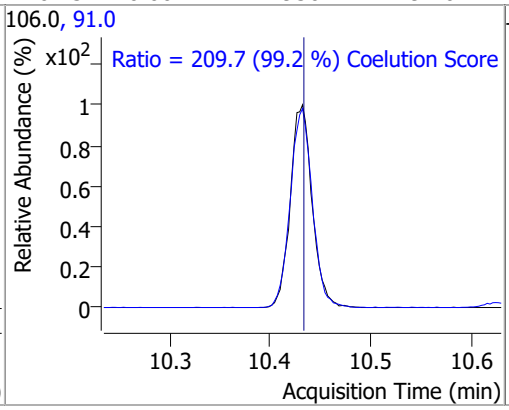


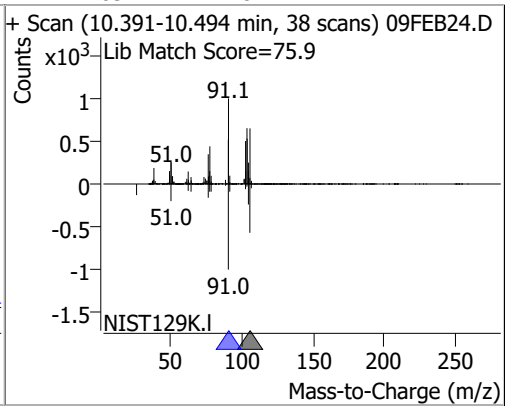




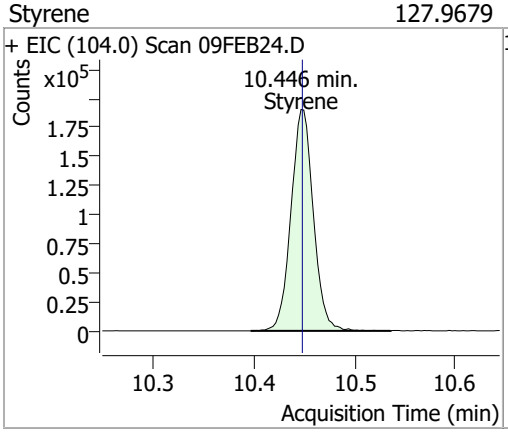
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	128.5557	10.43	0.00	179307	91.0	209.7	181.4	241.4

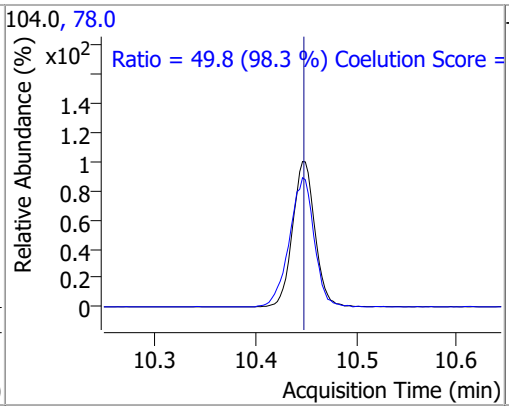


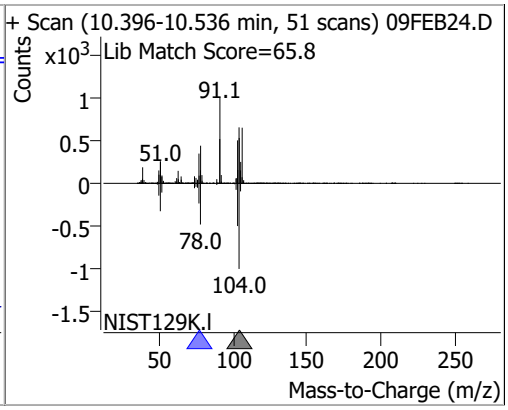




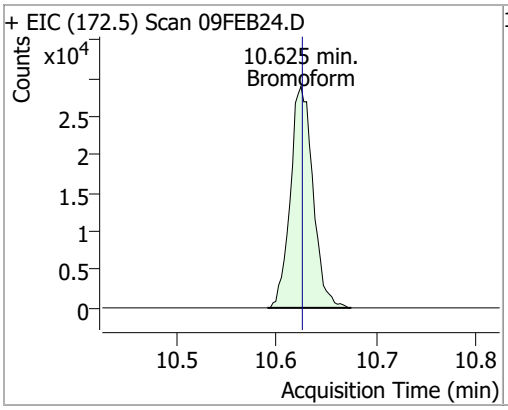
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	127.9679	10.45	0.00	295067	78.0	49.8	20.6	80.6

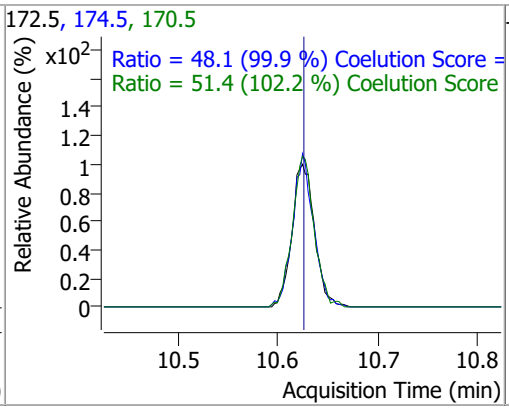


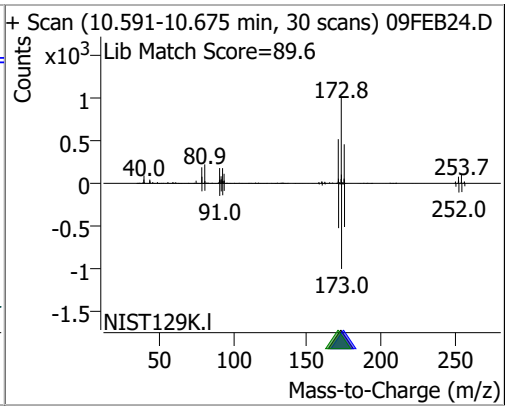




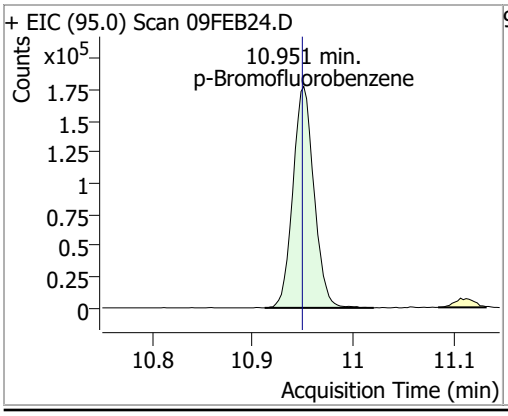
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	122.6730	10.62	0.00	45313	170.5	51.4	20.3	80.3
					174.5	48.1	18.1	78.1

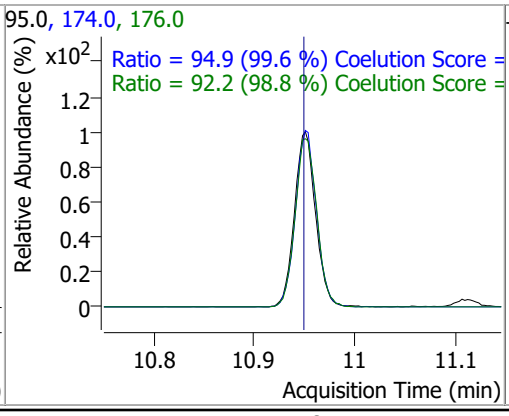


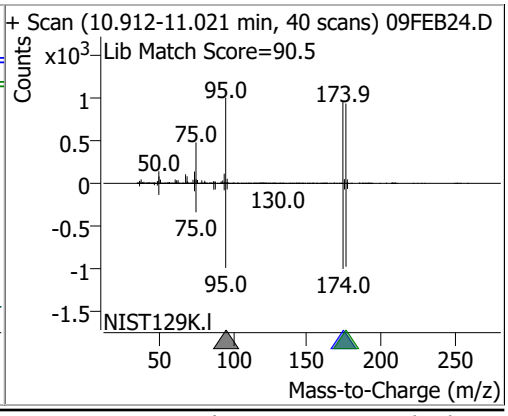




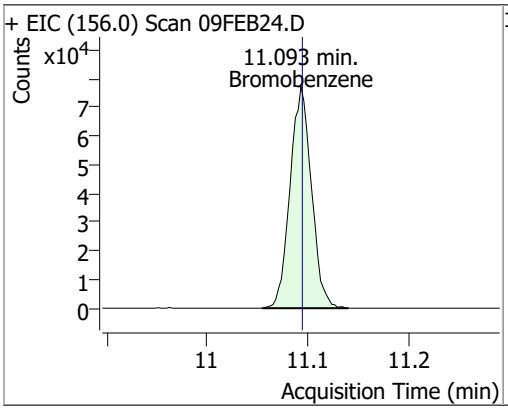
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	254.8072	10.95	0.00	259343	174.0	94.9	65.3	125.3
					176.0	92.2	63.3	123.3

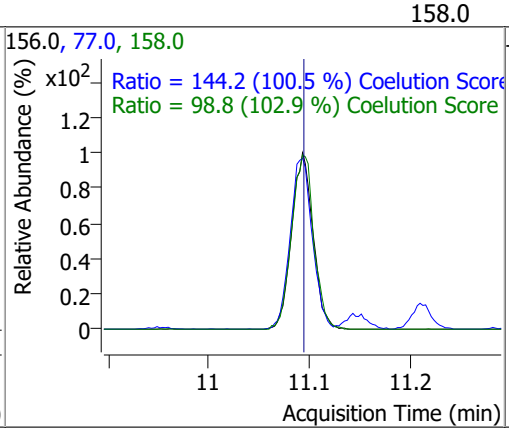


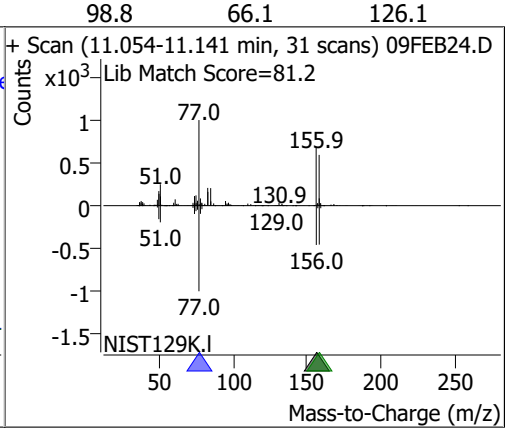




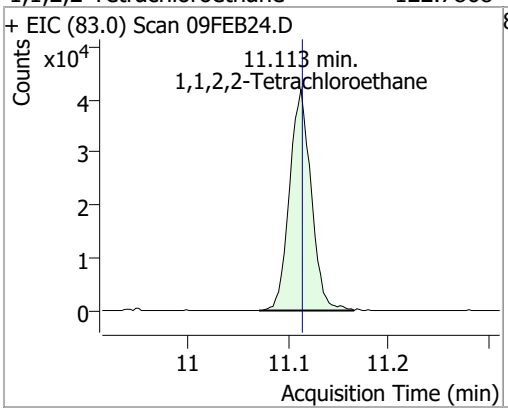
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	127.2290	11.09	0.00	114196	77.0	144.2	113.5	173.5
					158.0	98.8	66.1	126.1

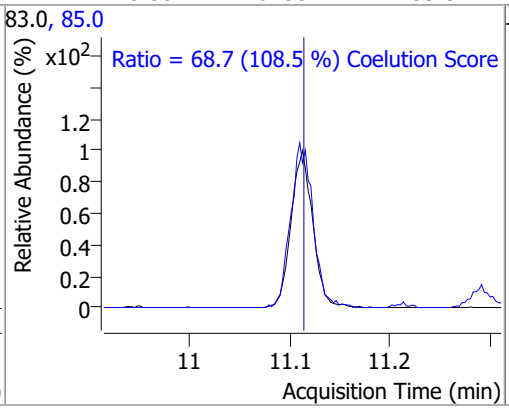


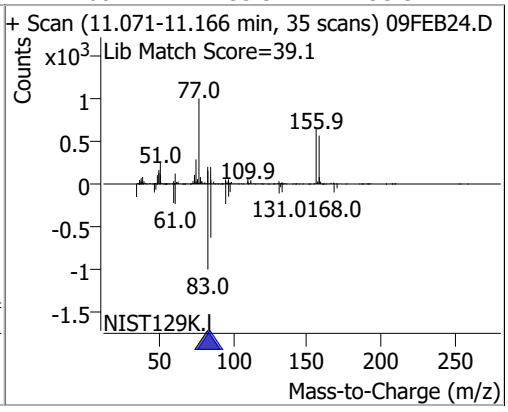




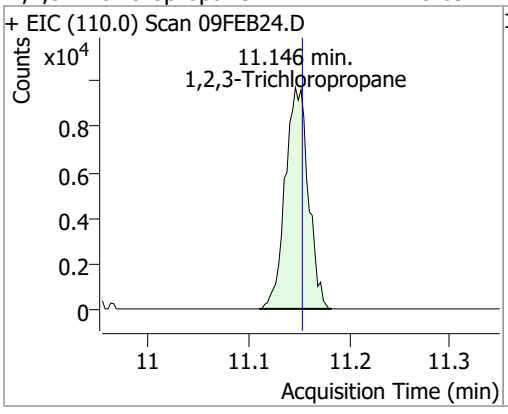
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	122.7868	11.11	0.00	62862	85.0	68.7	33.3	93.3

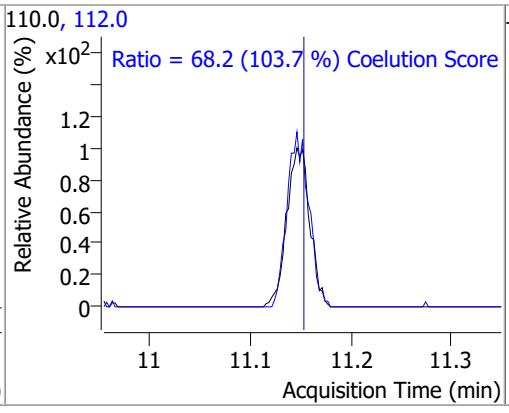


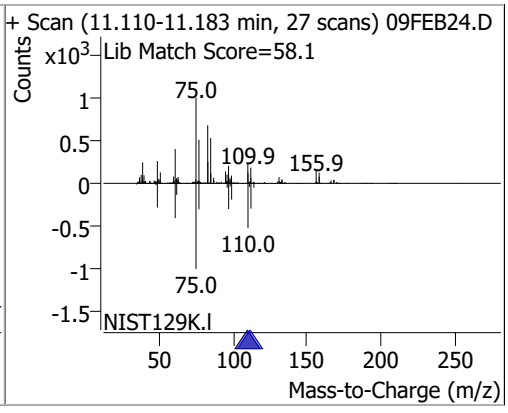




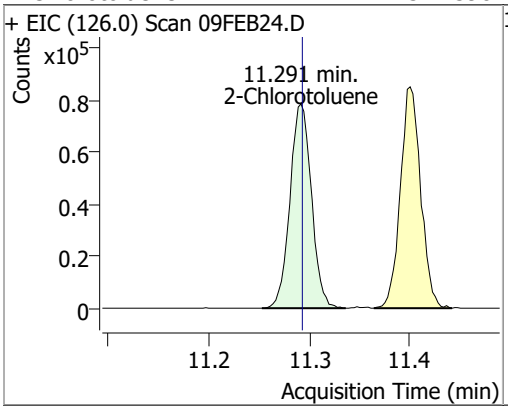
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	115.6942	11.15	-0.01	15562	112.0	68.2	35.8	95.8

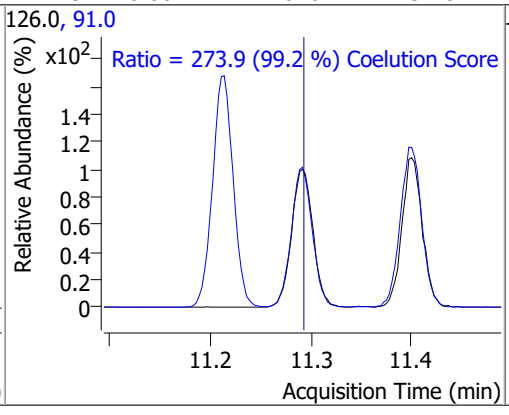


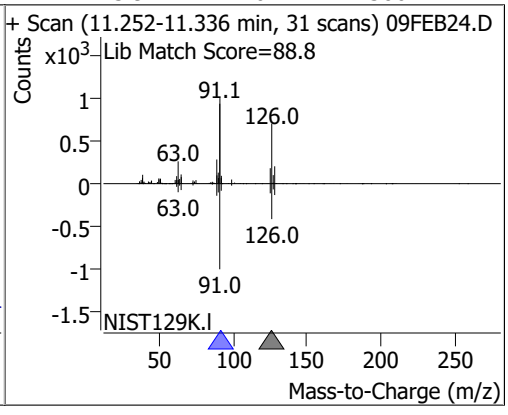




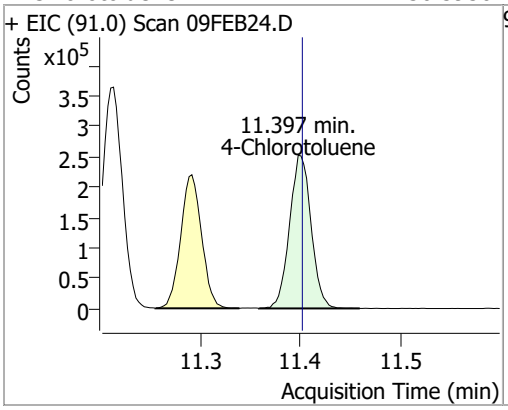
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	131.4398	11.29	0.00	116762	91.0	273.9	246.2	306.2

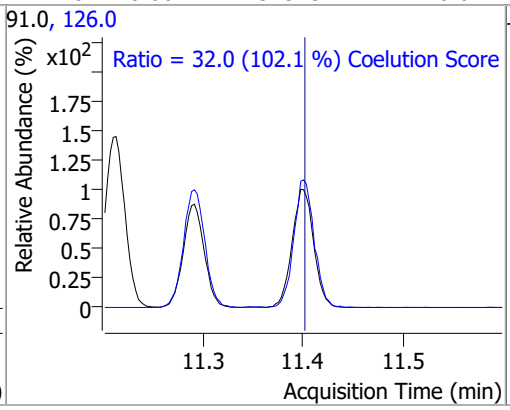


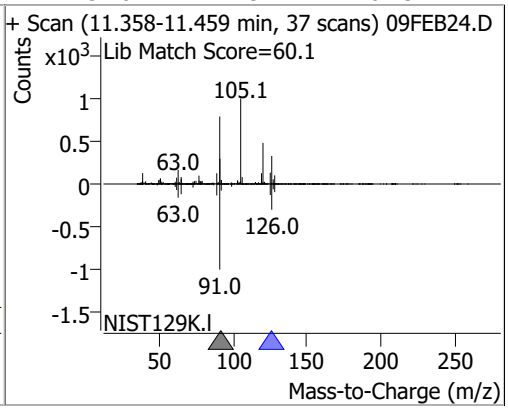




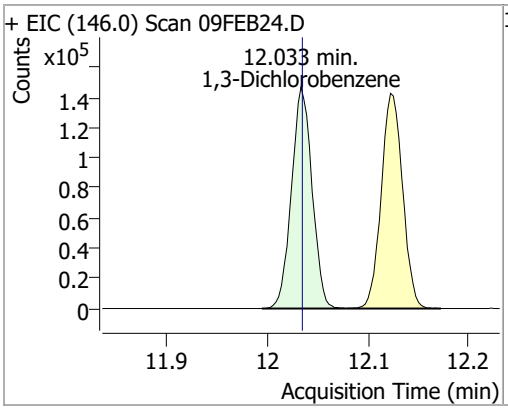
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	130.5950	11.40	0.00	375751	126.0	32.0	1.3	61.3

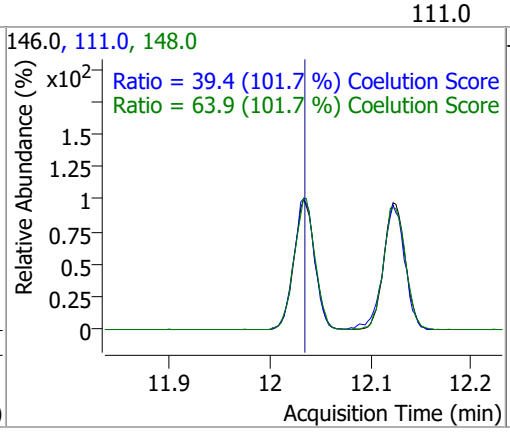


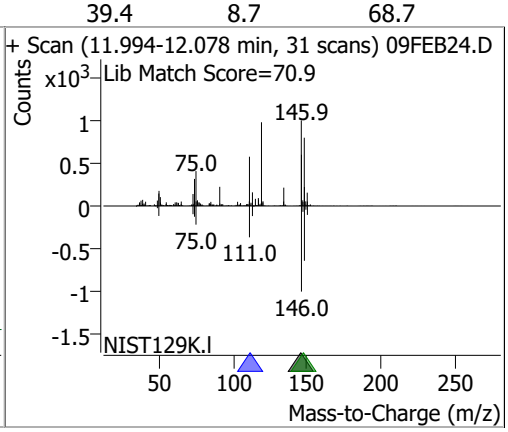




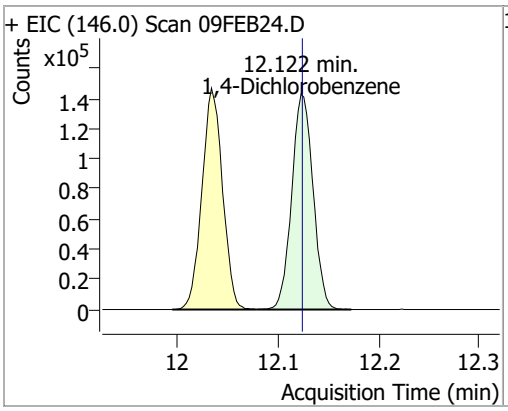
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	128.5892	12.03	0.00	209113	148.0	63.9	32.8	92.8
					111.0	39.4	8.7	68.7

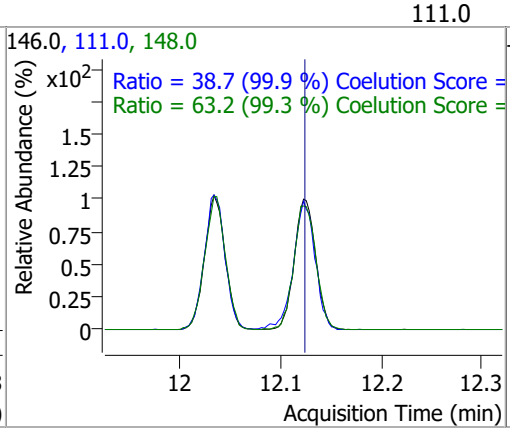


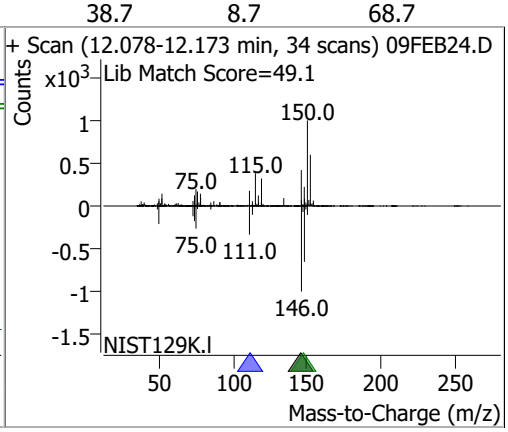




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	127.4190	12.12	0.00	211247	148.0	63.2	33.7	93.7
					111.0	38.7	8.7	68.7

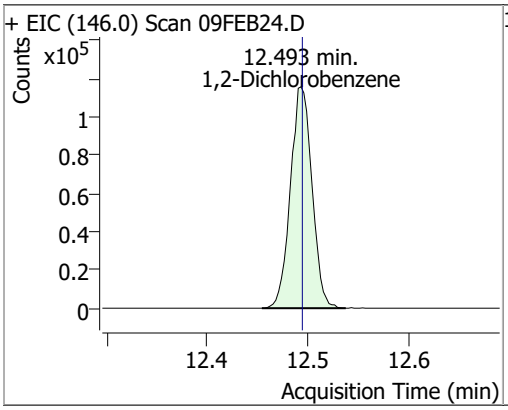


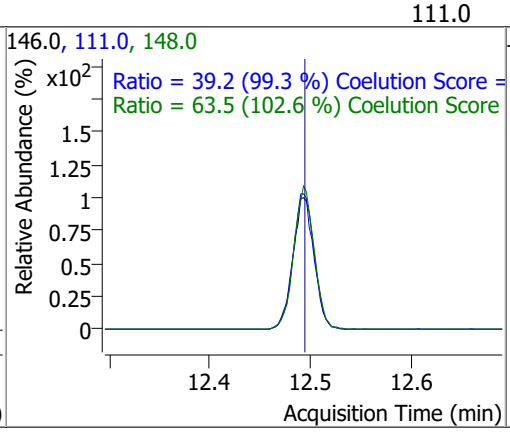


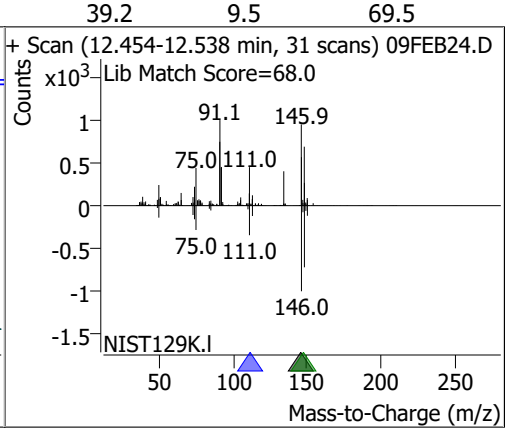


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	127.4595	12.49	0.00	173051	148.0	63.5	31.9	91.9
					111.0	39.2	9.5	69.5

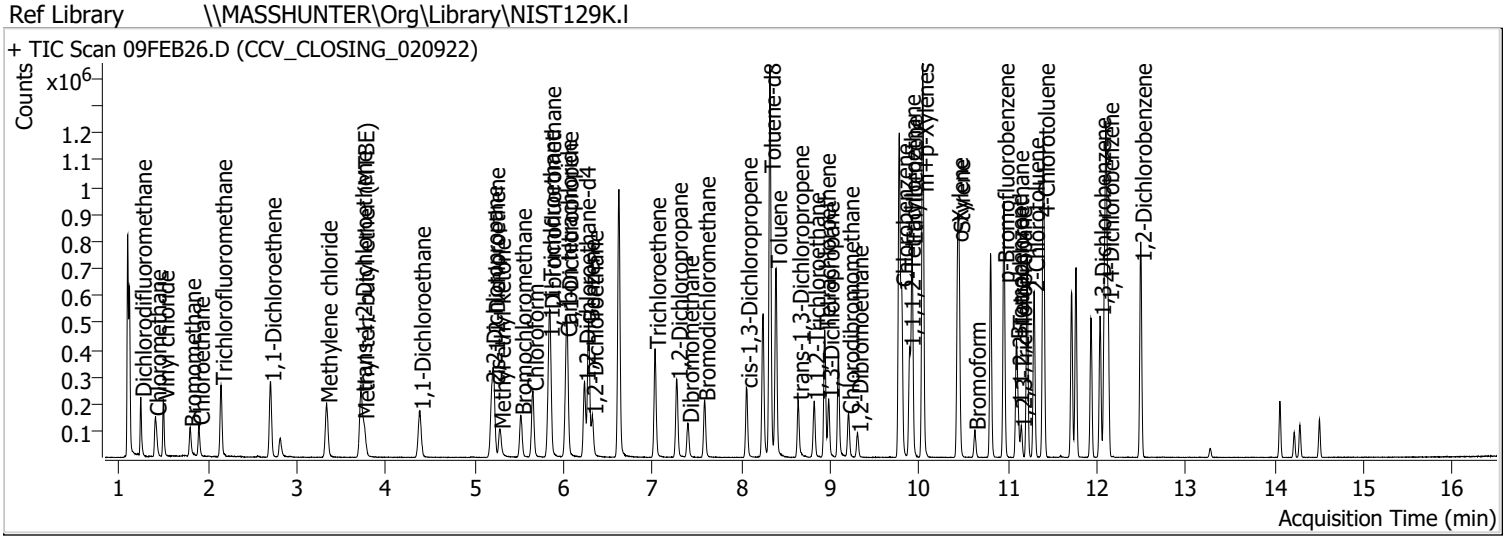






Quantitation Results Report (QT Reviewed)

Data File	09FEB26.D	Operator	MSC
Acq. Method	5975CACQF.M	Acq. Date-Time	2/9/2022 5:02:05 PM
Sample Name	CCV_CLOSING_020922	Instrument	VOA5975C
Vial	26	Multiplier	1.00
DA Method File	VOA5975C_8260B_SHT_DoD_L4_011922.m	Comment	
Tune File	BFB_Atune3.u	Tune Date	10/11/2021 4:02:00 PM
Batch Name	VG020922_8260B.batch.bin	Last Calib Update	2/14/2022 12:46:57 PM
Ref Library	\\MASSHUNTER\Org\Library\NIST129K.l		

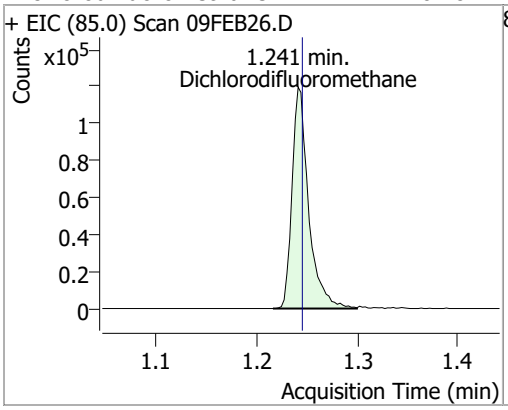


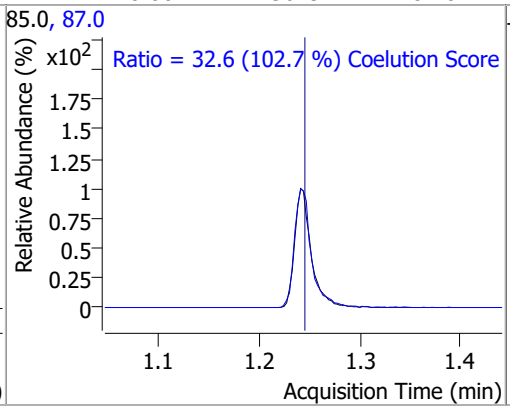
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M Fluorobenzene	6.620	96.0	845760	250.0000	ng	0.000
M Chlorobenzene-d5	9.774	82.0	328766	250.0000	ng	0.000
M 1,4-Dichlorobenzene-d4	12.100	152.0	275529	250.0000	ng	0.000
System Monitoring Compounds						
S Dibromofluoromethane	5.845	113.0	220503	269.1726	ng	-0.006
Spiked Amount: 250.000	Range: 80.0 - 119.0%			Recovery = 107.67%		
S 1,2-Dichloroethane-d4	6.236	67.0	98265	277.6885	ng	0.005
Spiked Amount: 250.000	Range: 81.0 - 118.0%			Recovery = 111.08%		
S Toluene-d8	8.319	98.0	872137	271.9116	ng	0.000
Spiked Amount: 250.000	Range: 89.0 - 112.0%			Recovery = 108.76%		
S p-Bromofluorobenzene	10.948	95.0	266821	262.2791	ng	0.000
Spiked Amount: 250.000	Range: 85.0 - 114.0%			Recovery = 104.91%		
Target Compounds						**QValue**
T Dichlorodifluoromethane	1.241	85.0	136791	120.2842	ng	99
T Chloromethane	1.408	50.0	165285	123.4492	ng	99
T Vinyl chloride	1.498	62.0	144988	118.9687	ng	100
T Bromomethane	1.799	96.0	53415	102.2785	ng	93
T Chloroethane	1.896	64.0	74832	129.7839	ng	97
T Trichlorofluoromethane	2.145	101.0	182565	124.9248	ng	100
T 1,1-Dichloroethene	2.702	96.0	100499	118.1871	ng	98
T Methylene chloride	3.333	49.0	144323	116.7359	ng	98
T trans-1,2-Dichloroethene	3.720	96.0	103473	117.7912	ng	99
T Methyl tert-butyl ether (MTBE)	3.748	73.0	125153	113.9884	ng	99
T 1,1-Dichloroethane	4.381	63.0	199083	121.0941	ng	99
T 2,2-Dichloropropane	5.193	77.0	144019	116.2415	ng	98
T cis-1,2-Dichloroethene	5.218	96.0	103108	115.9252	ng	97
T Methyl ethyl ketone	5.282	43.0	146560	1140.2101	ng	98
T Bromochloromethane	5.519	128.0	42762	116.6058	ng	91
T Chloroform	5.653	83.0	194860	118.7066	ng	98

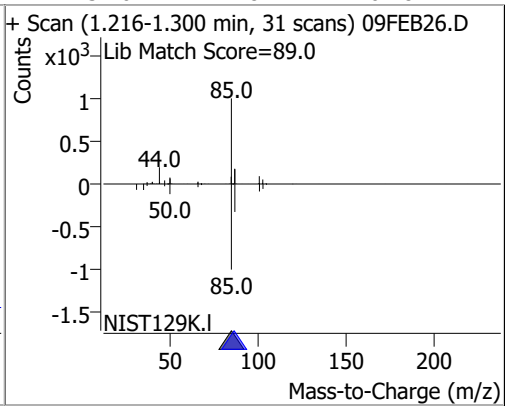
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T 1,1,1-Trichloroethane	5.831	97.0	180296	119.0412	ng	99
T Carbon tetrachloride	6.026	117.0	175815	119.6892	ng	98
T 1,1-Dichloropropene	6.040	75.0	145537	118.4985	ng	99
T Benzene	6.280	78.0	410175	121.4014	ng	100
T 1,2-Dichloroethane	6.322	62.0	110284	118.1783	ng	98
T Trichloroethene	7.028	95.0	119071	120.9771	ng	96
T 1,2-Dichloropropane	7.273	63.0	103703	119.8375	ng	98
T Dibromomethane	7.398	93.0	42616	116.8348	ng	99
T Bromodichloromethane	7.582	83.0	119166	116.1827	ng	99
T cis-1,3-Dichloropropene	8.057	75.0	129765	115.2946	ng	98
T Toluene	8.388	92.0	260070	121.6448	ng	99
T trans-1,3-Dichloropropene	8.637	75.0	95300	116.0817	ng	96
T 1,1,2-Trichloroethane	8.818	83.0	50148	120.1286	ng	98
T Tetrachloroethene	8.935	163.8	103322	119.1790	ng	99
T 1,3-Dichloropropane	8.980	76.0	98938	117.1177	ng	99
T Chlorodibromomethane	9.203	129.0	80281	119.4100	ng	97
T 1,2-Dibromoethane	9.303	107.0	54630	118.4882	ng	100
T Chlorobenzene	9.802	112.0	284491	121.3853	ng	100
T 1,1,1,2-Tetrachloroethane	9.891	131.0	98498	119.7802	ng	99
T Ethylbenzene	9.917	91.0	488688	119.8351	ng	100
T m+p-Xylenes	10.039	106.0	392806	241.6604	ng	99
T o-Xylene	10.430	106.0	167404	117.9117	ng	97
T Styrene	10.446	104.0	282506	120.1950	ng	100
T Bromoform	10.625	172.5	42351	114.7087	ng	99
T Bromobenzene	11.093	156.0	109629	122.1989	ng	99
T 1,1,2,2-Tetrachloroethane	11.113	83.0	59555	116.3826	ng	99
T 1,2,3-Trichloropropane	11.144	110.0	15692	116.7161	ng	99
T 2-Chlorotoluene	11.289	126.0	111072	125.0940	ng	97
T 4-Chlorotoluene	11.400	91.0	361399	125.6665	ng	99
T 1,3-Dichlorobenzene	12.033	146.0	196713	121.0216	ng	98
T 1,4-Dichlorobenzene	12.125	146.0	200226	120.8289	ng	100
T 1,2-Dichlorobenzene	12.493	146.0	164350	121.1084	ng	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

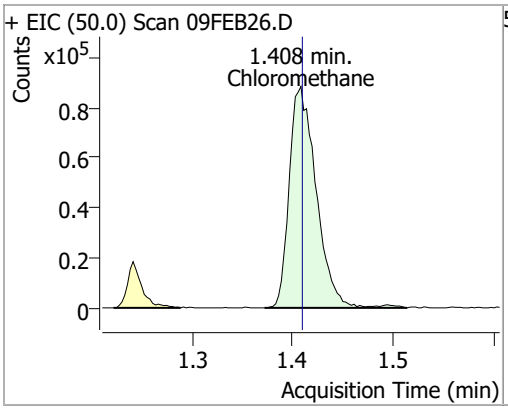
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dichlorodifluoromethane	120.2842	1.24	0.00	136791	87.0	32.6	1.8	61.8

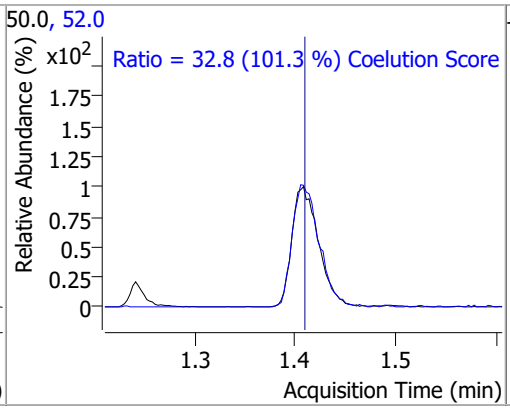


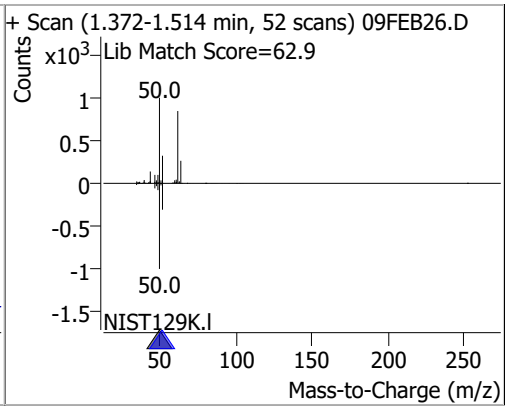




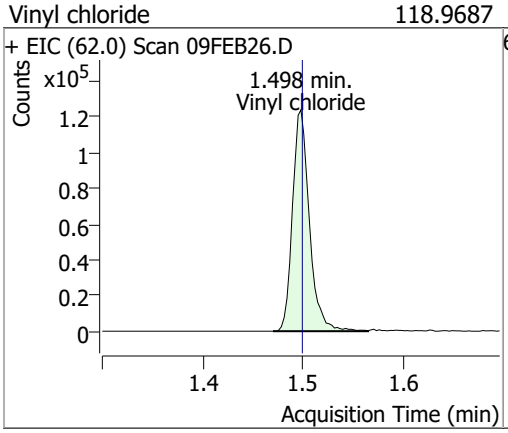
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloromethane	123.4492	1.41	0.00	165285	52.0	32.8	2.4	62.4

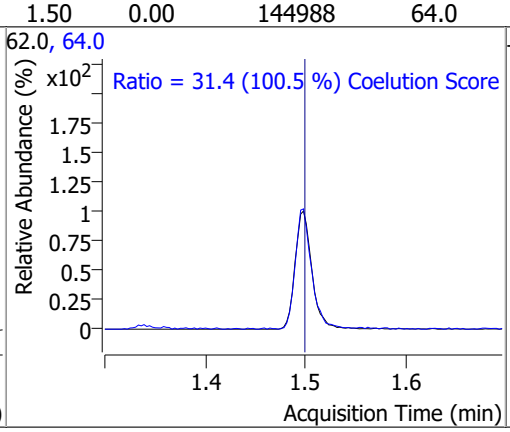


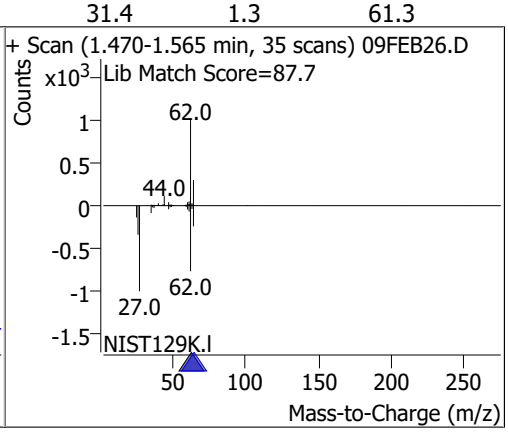




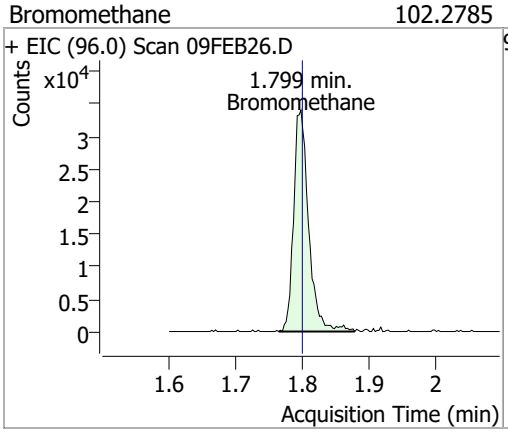
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Vinyl chloride	118.9687	1.50	0.00	144988	64.0	31.4	1.3	61.3

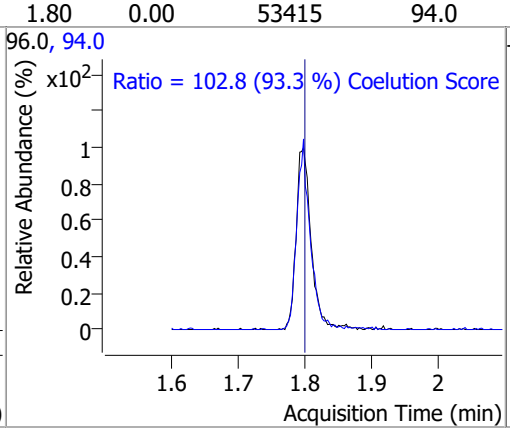


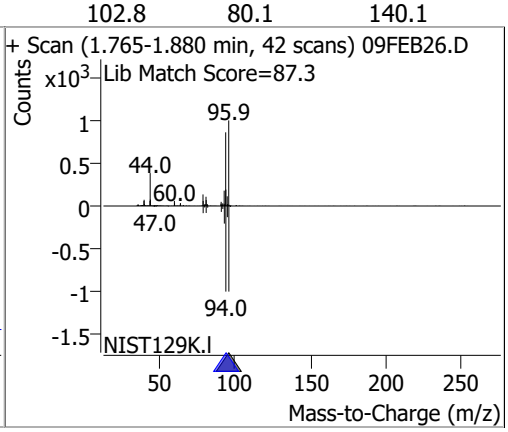




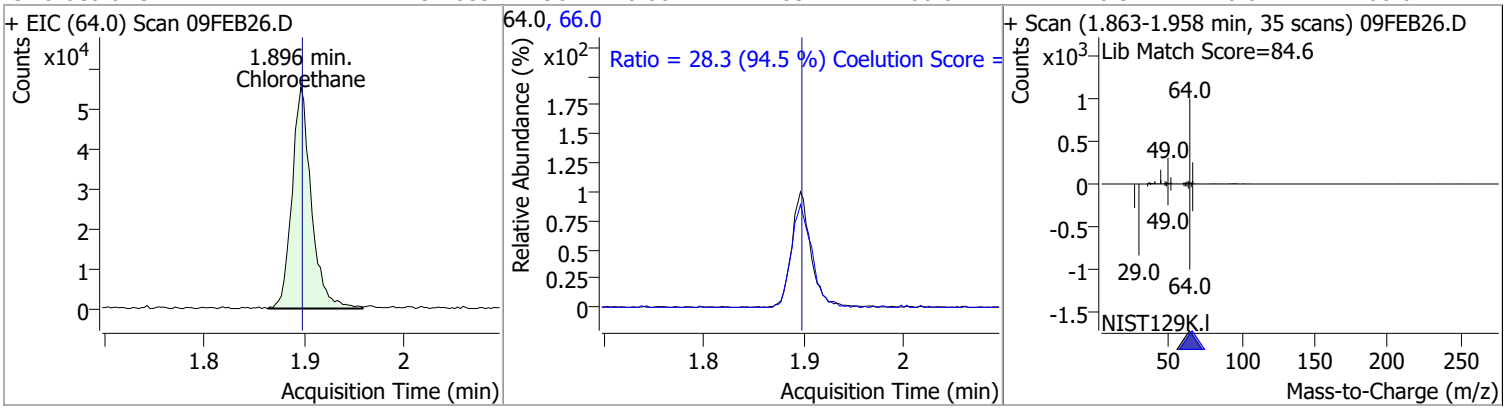
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromomethane	102.2785	1.80	0.00	53415	94.0	102.8	80.1	140.1



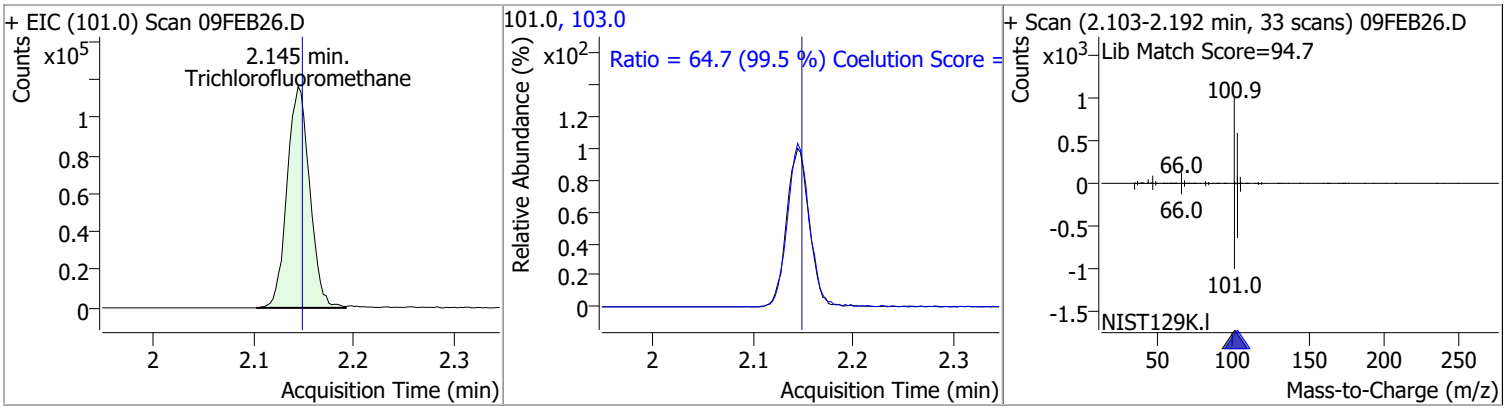




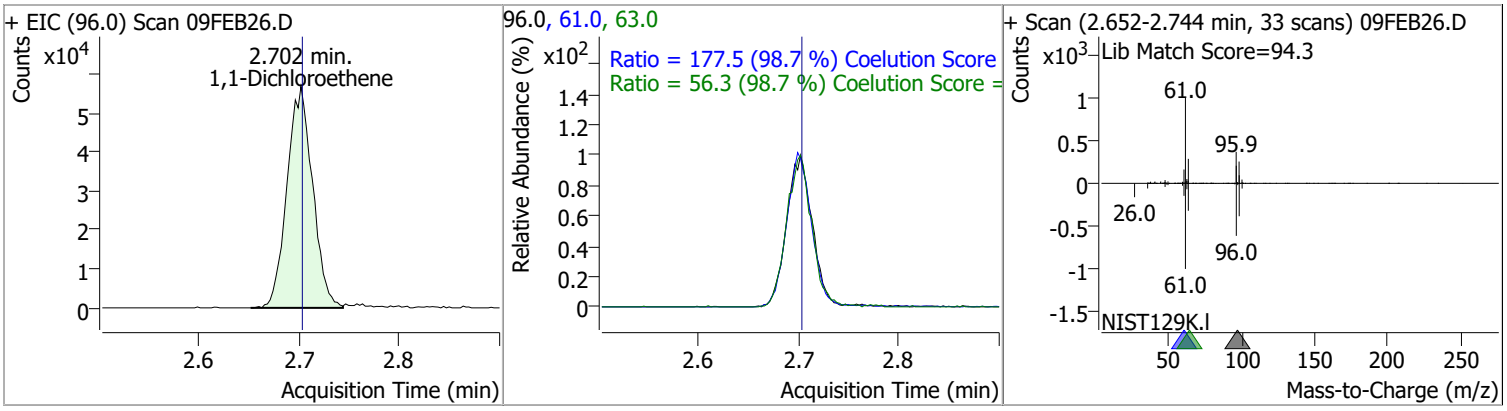
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroethane	129.7839	1.90	0.00	74832	66.0	28.3	0.0	60.0



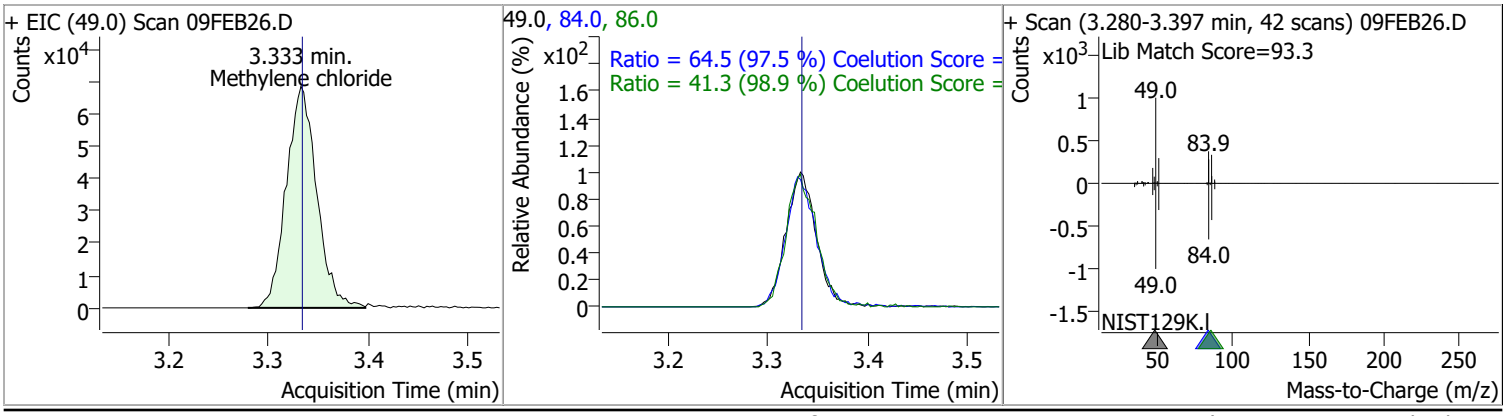
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichlorofluoromethane	124.9248	2.14	0.00	182565	103.0	64.7	35.0	95.0



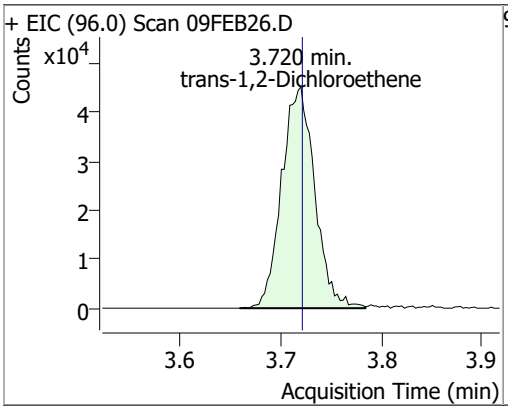
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethene	118.1871	2.70	0.00	100499	61.0	177.5	149.9	209.9
					63.0	56.3	27.0	87.0

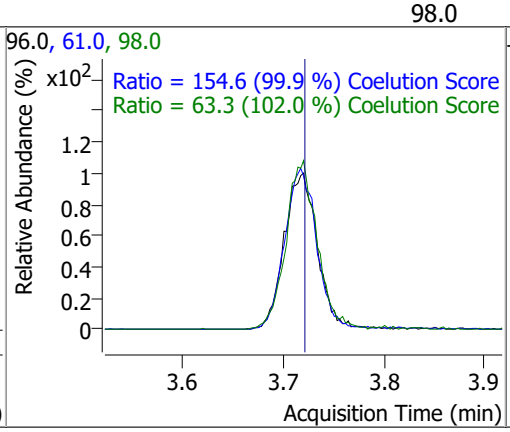


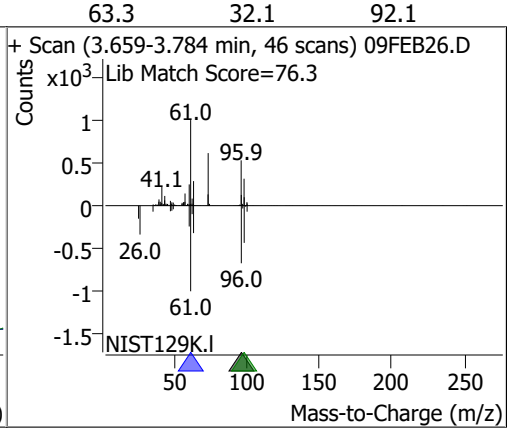
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methylene chloride	116.7359	3.33	0.00	144323	84.0	64.5	36.1	96.1
					86.0	41.3	11.8	71.8



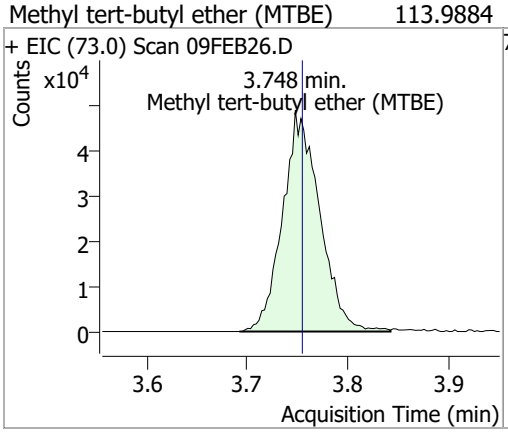
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,2-Dichloroethene	117.7912	3.72	0.00	103473	61.0	154.6	124.8	184.8
					98.0	63.3	32.1	92.1

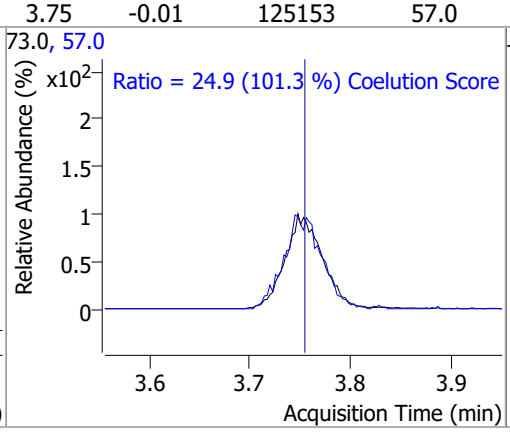


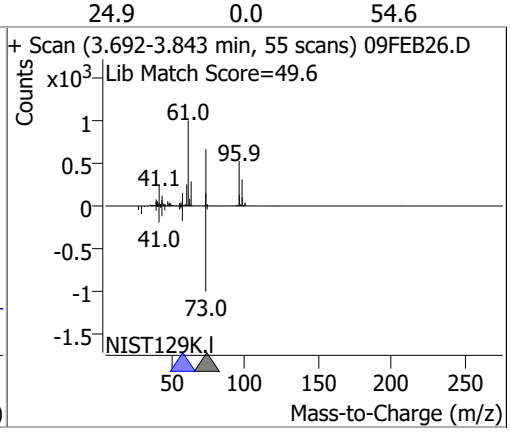




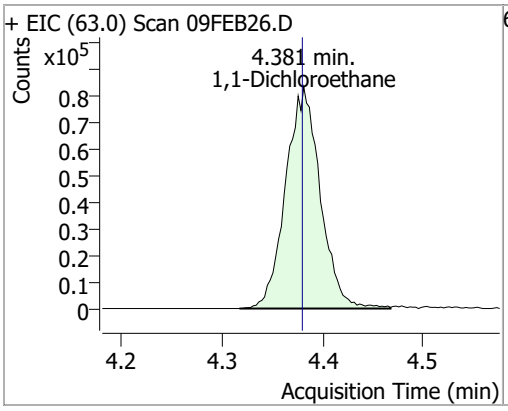
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl tert-butyl ether (MTBE)	113.9884	3.75	-0.01	125153	57.0	24.9	0.0	54.6

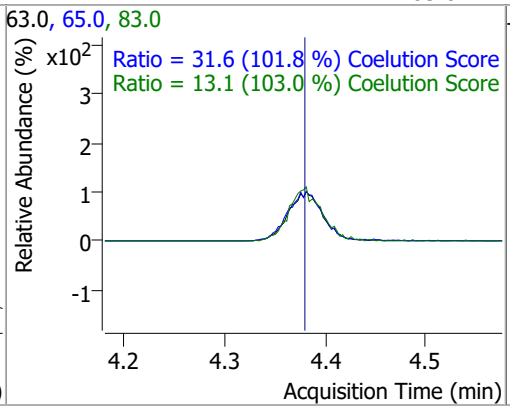


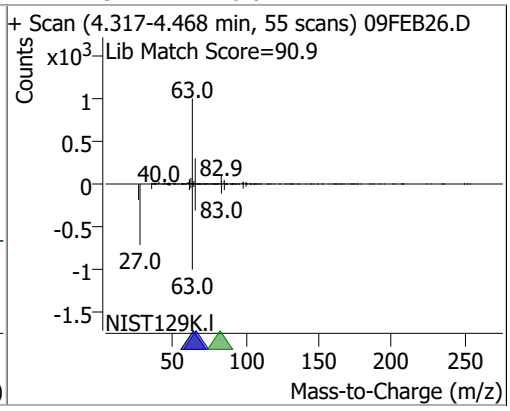




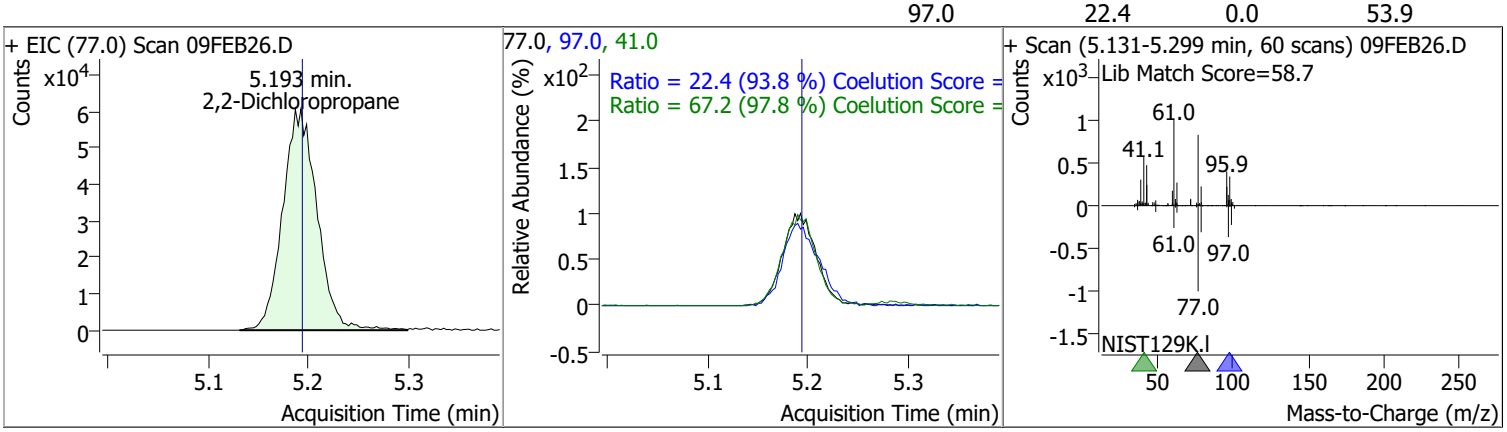
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloroethane	121.0941	4.38	0.00	199083	65.0	31.6	1.0	61.0
					83.0	13.1	0.0	42.7



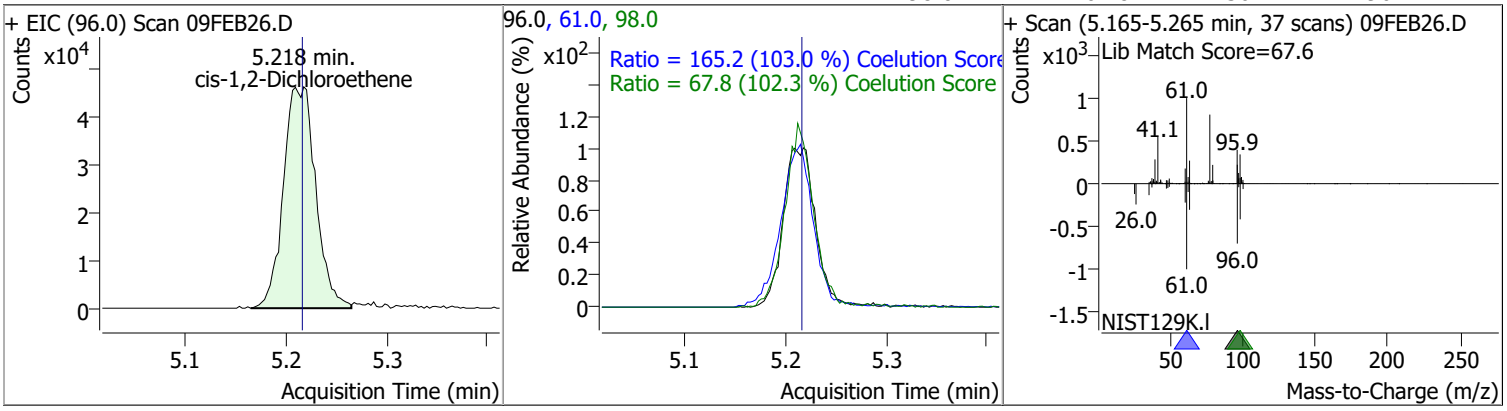




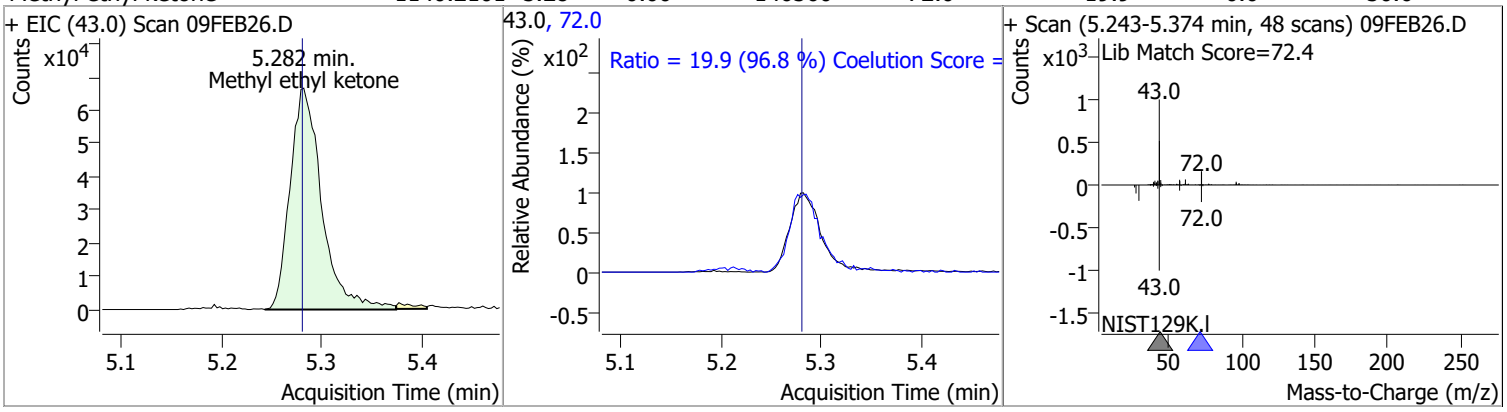
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,2-Dichloropropane	116.2415	5.19	0.00	144019	41.0	67.2	38.8	98.8
					97.0	22.4	0.0	53.9



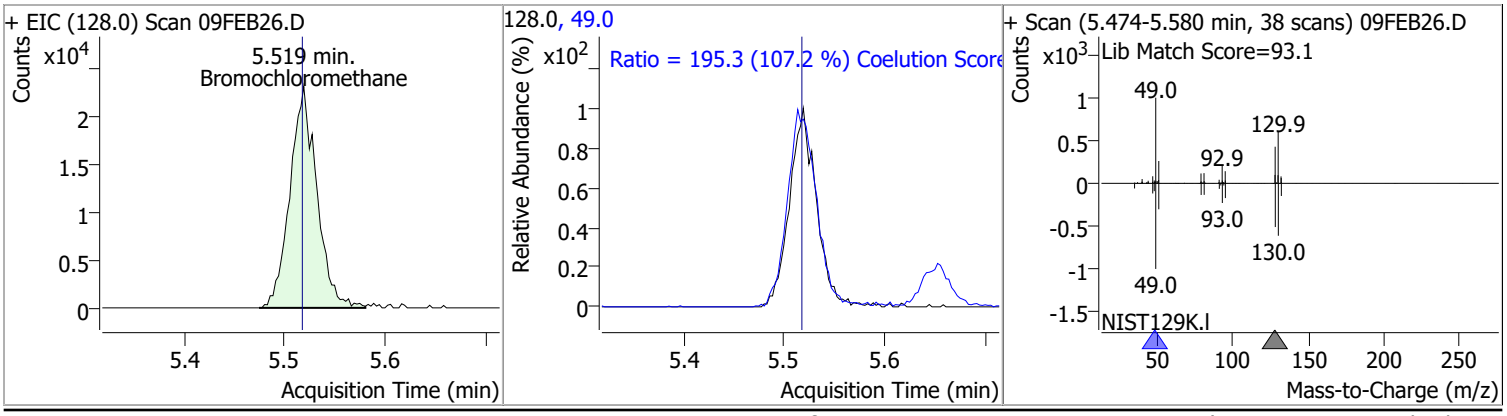
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,2-Dichloroethene	115.9252	5.22	0.00	103108	61.0	165.2	130.4	190.4
					98.0	67.8	36.2	96.2



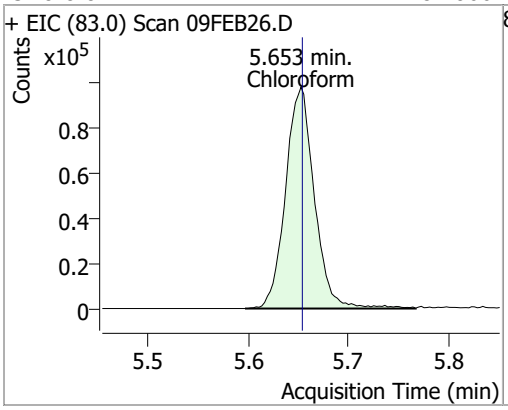
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Methyl ethyl ketone	1140.2101	5.28	0.00	146560	72.0	19.9	0.0	50.6

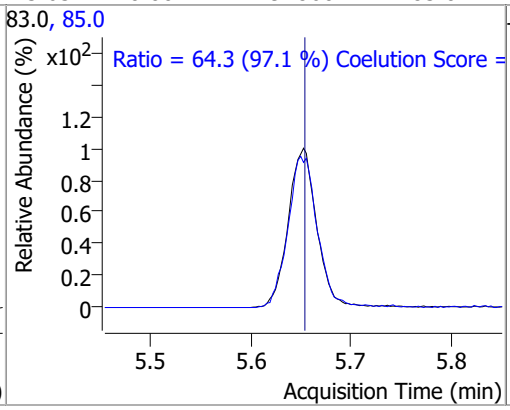


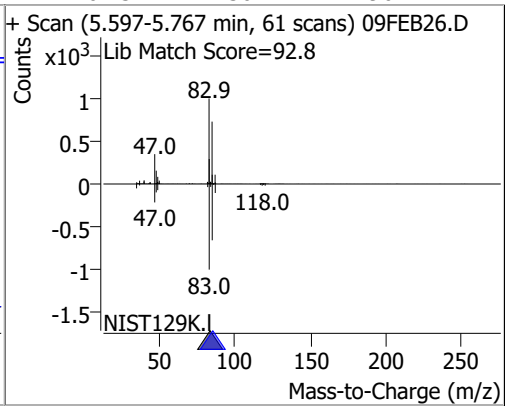
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromochloromethane	116.6058	5.52	0.00	42762	49.0	195.3	152.2	212.2



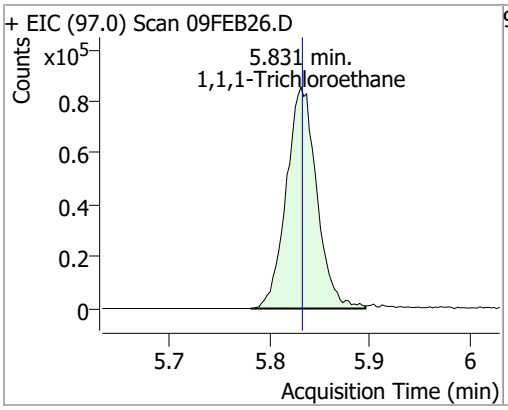
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chloroform	118.7066	5.65	0.00	194860	85.0	64.3	36.2	96.2

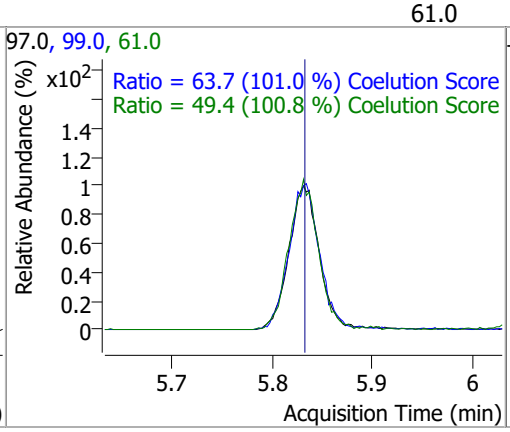


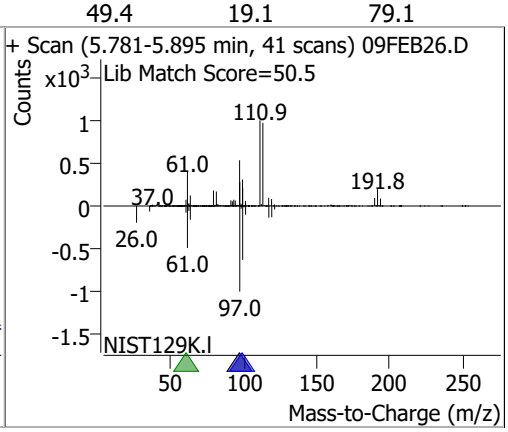




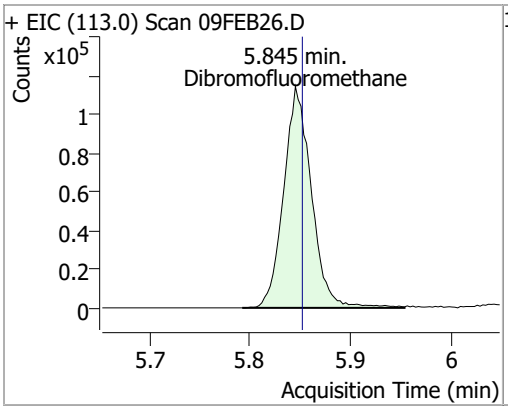
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1-Trichloroethane	119.0412	5.83	0.00	180296	99.0	63.7	33.1	93.1
					61.0	49.4	19.1	79.1

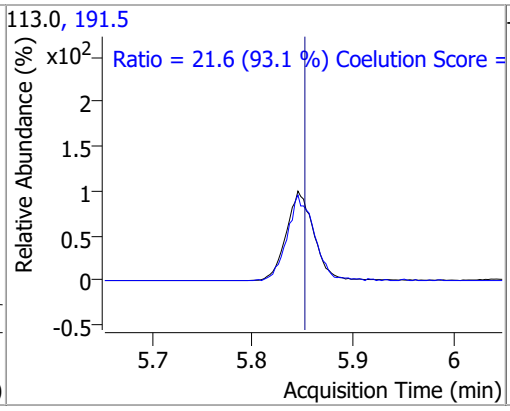


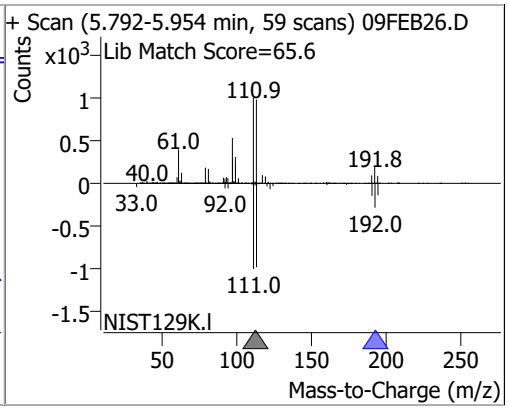




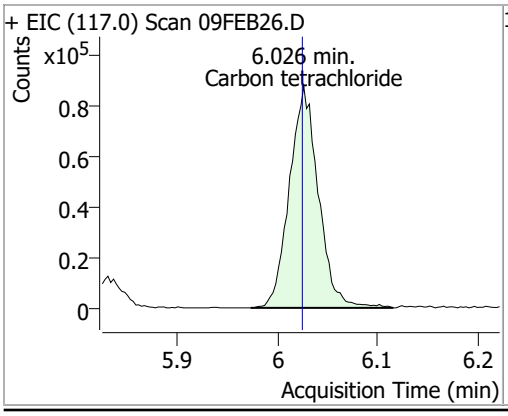
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromofluoromethane	269.1726	5.85	-0.01	220503	191.5	21.6	0.0	53.2

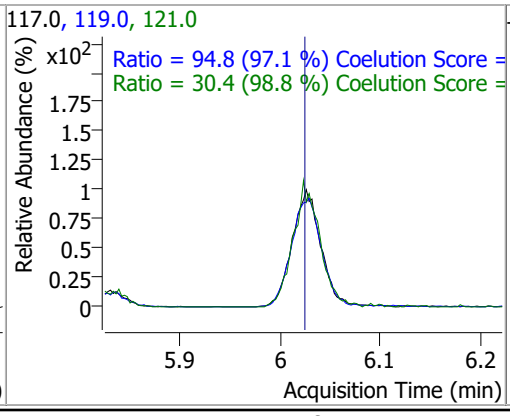


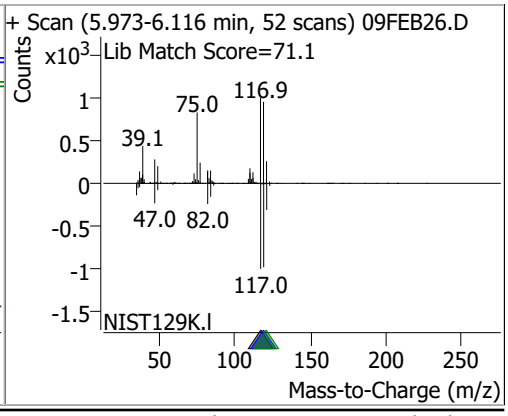




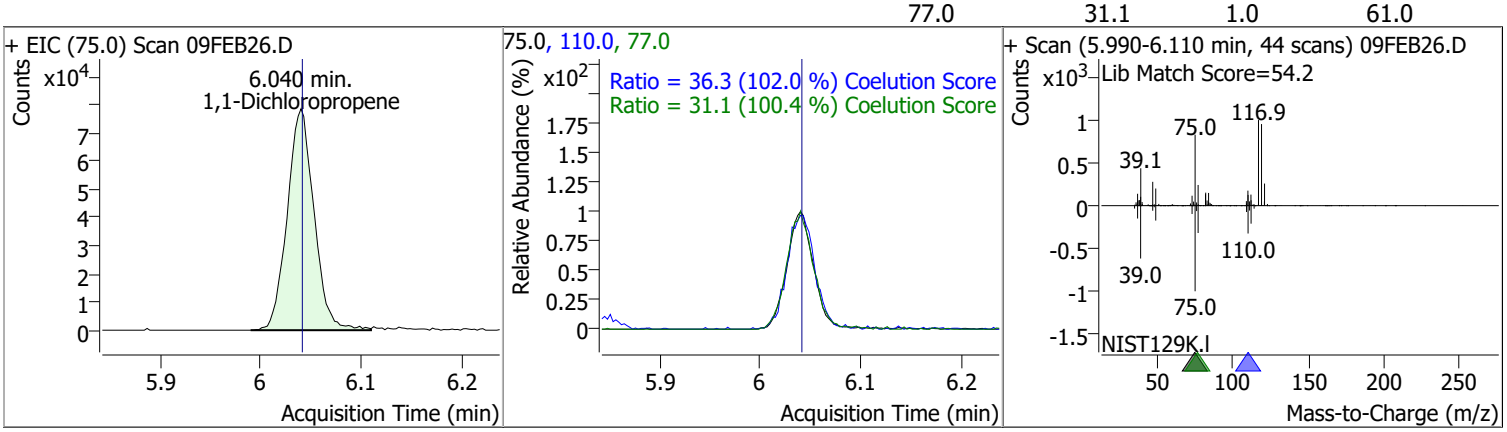
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbon tetrachloride	119.6892	6.03	0.00	175815	119.0	94.8	67.6	127.6
					121.0	30.4	0.7	60.7



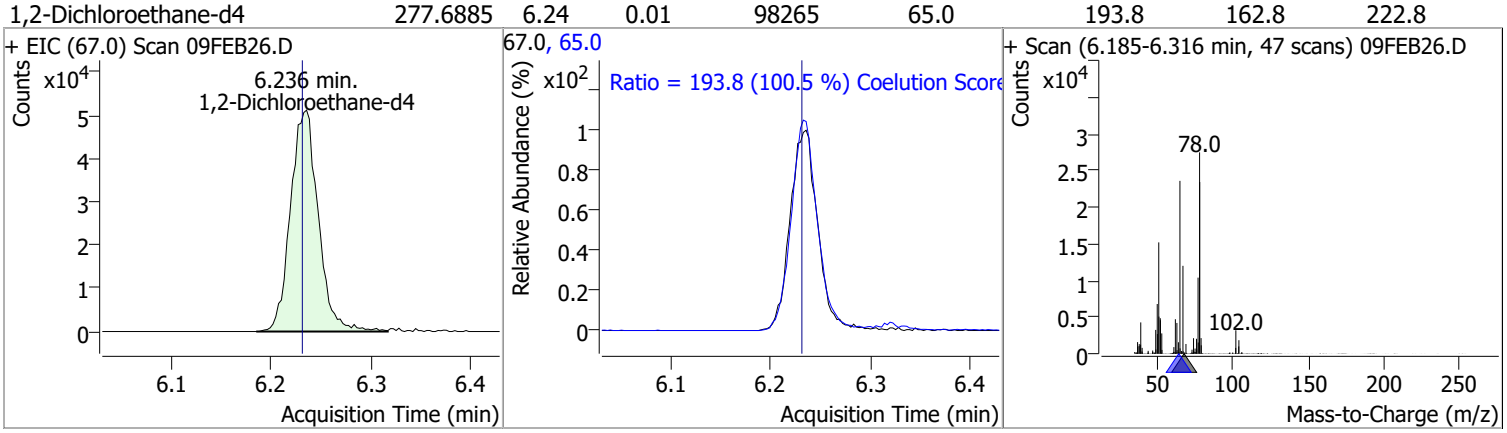




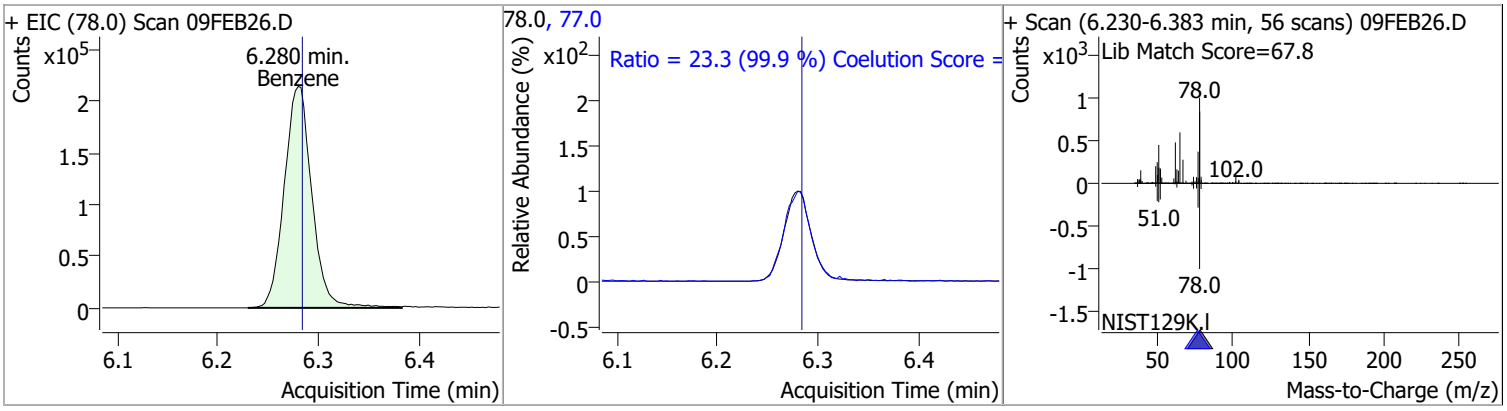
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1-Dichloropropene	118.4985	6.04	0.00	145537	110.0	36.3	5.6	65.6
					77.0	31.1	1.0	61.0



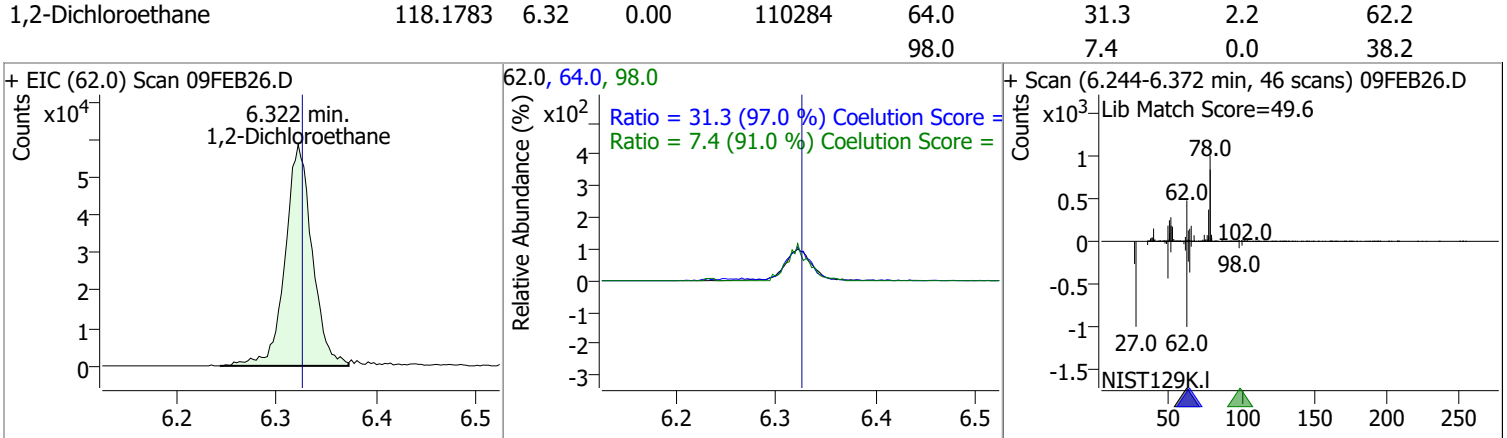
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane-d4	277.6885	6.24	0.01	98265	65.0	193.8	162.8	222.8



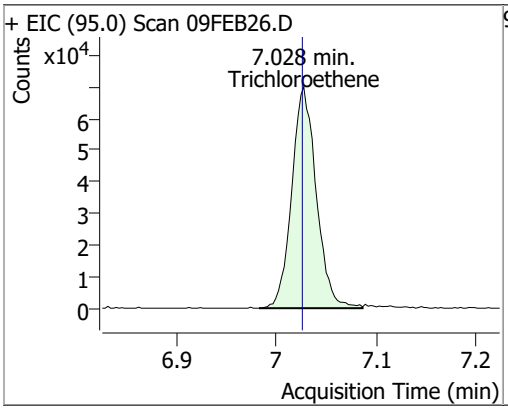
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzene	121.4014	6.28	0.00	410175	77.0	23.3	0.0	53.3

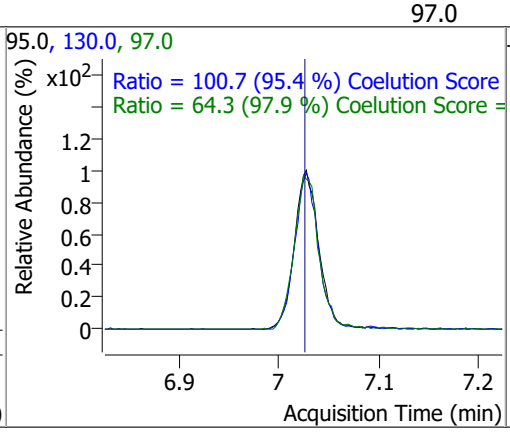


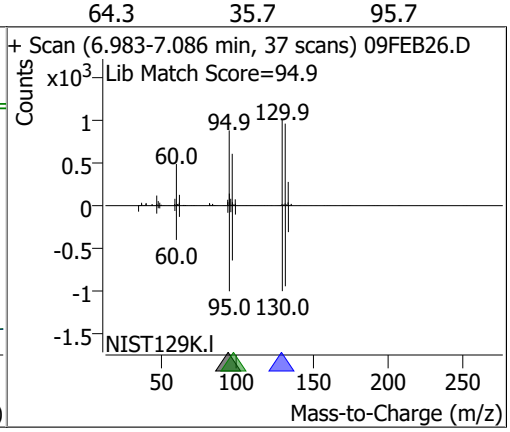
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloroethane	118.1783	6.32	0.00	110284	64.0	31.3	2.2	62.2
					98.0	7.4	0.0	38.2



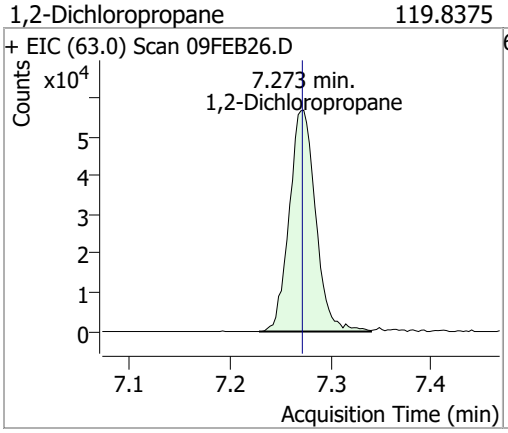
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Trichloroethene	120.9771	7.03	0.00	119071	130.0	100.7	75.6	135.6
					97.0	64.3	35.7	95.7

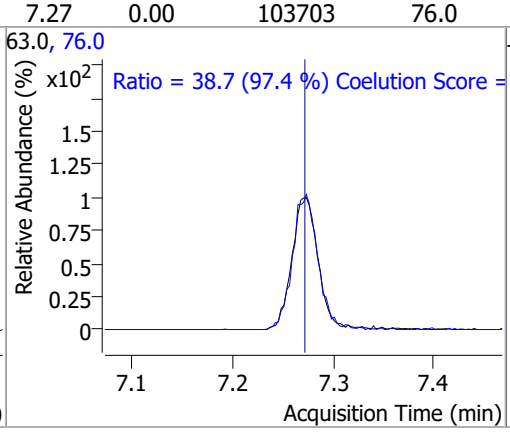


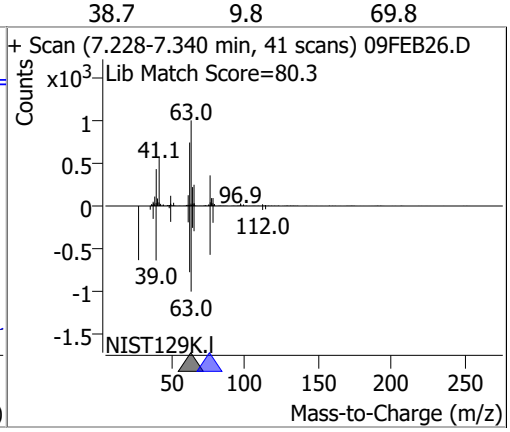




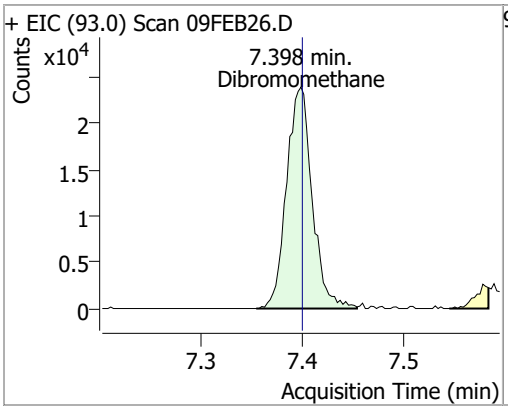
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichloropropane	119.8375	7.27	0.00	103703	76.0	38.7	9.8	69.8

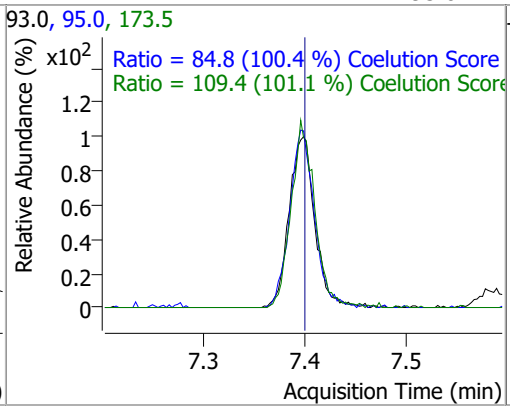


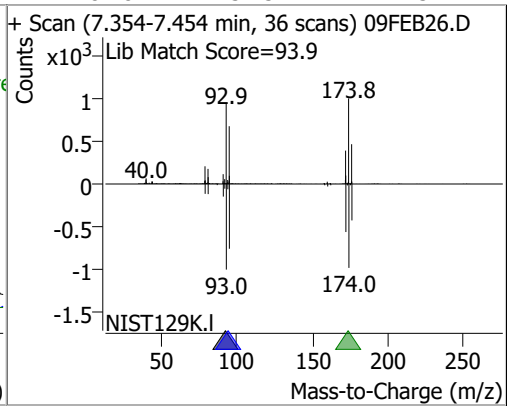




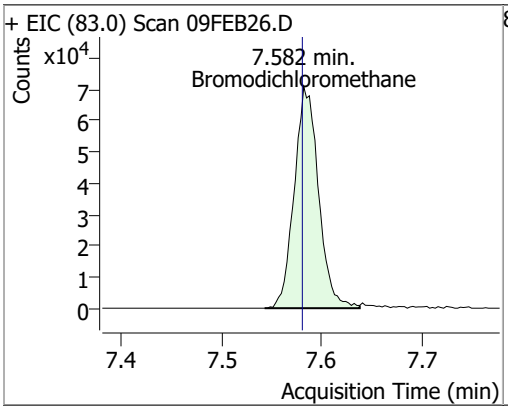
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibromomethane	116.8348	7.40	0.00	42616	173.5	109.4	78.2	138.2
					95.0	84.8	54.5	114.5

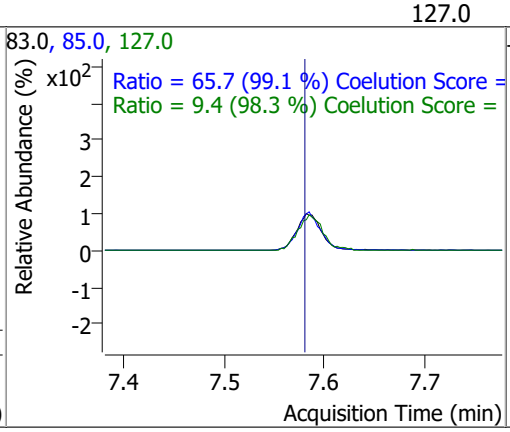


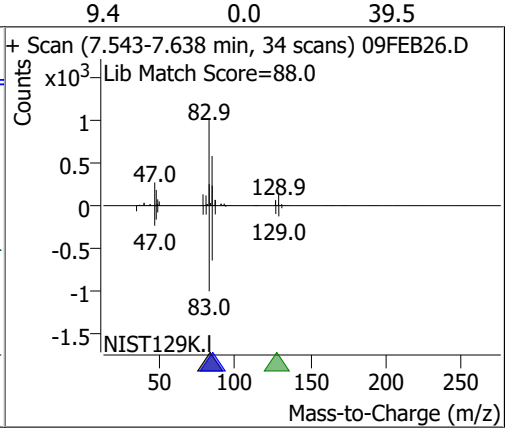




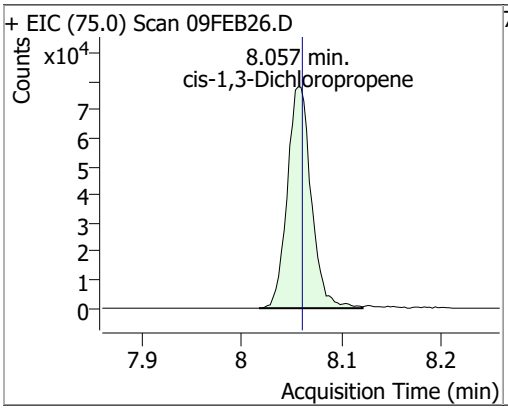
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromodichloromethane	116.1827	7.58	0.00	119166	85.0	65.7	36.3	96.3
					127.0	9.4	0.0	39.5

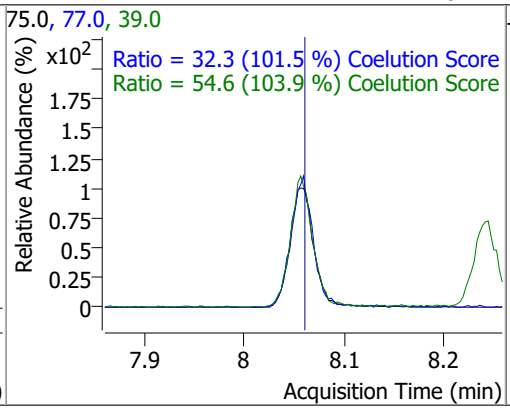


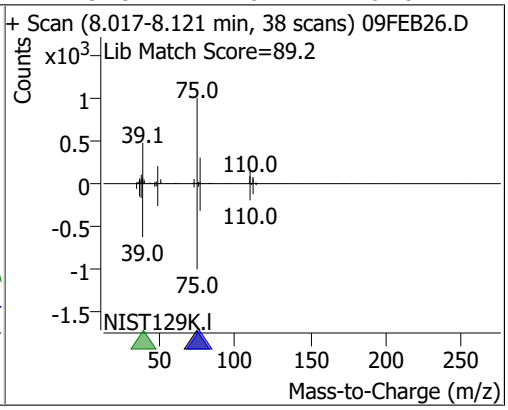




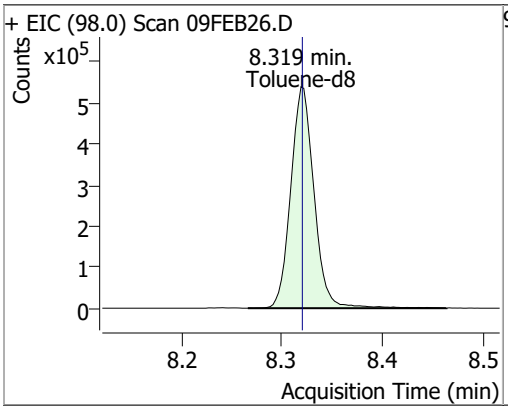
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
cis-1,3-Dichloropropene	115.2946	8.06	0.00	129765	39.0	54.6	22.5	82.5
					77.0	32.3	1.8	61.8

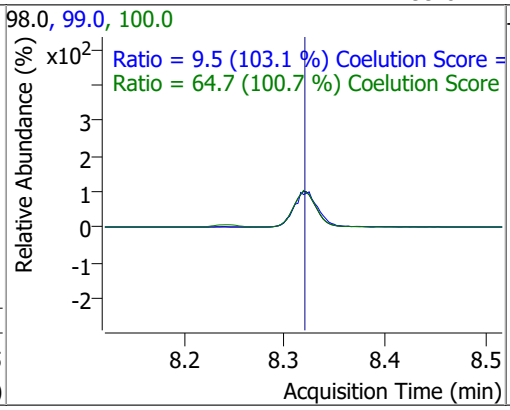


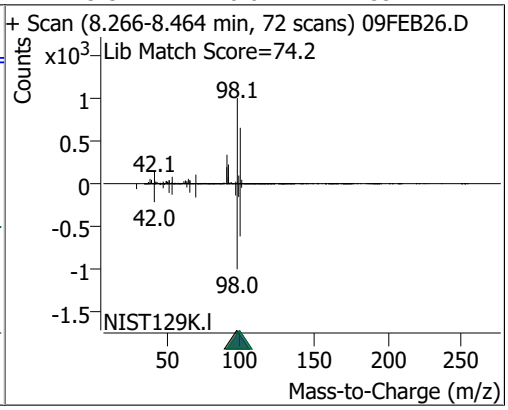




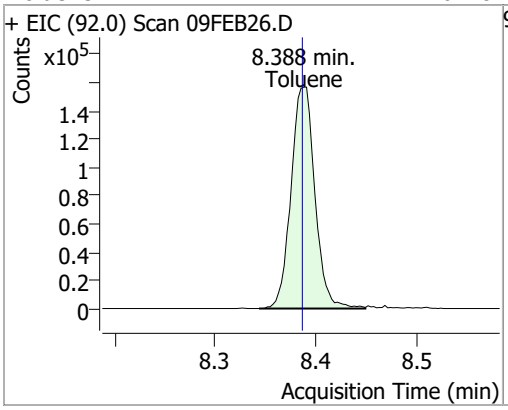
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene-d8	271.9116	8.32	0.00	872137	100.0	64.7	34.3	94.3
					99.0	9.5	0.0	39.2

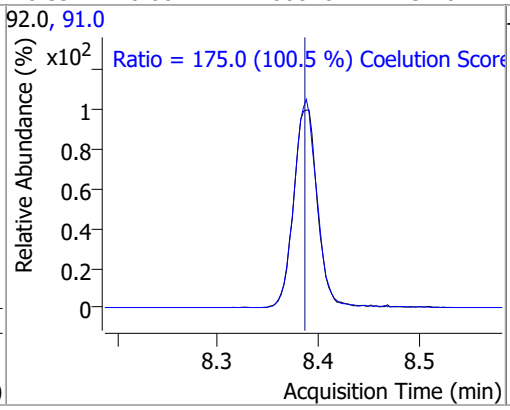


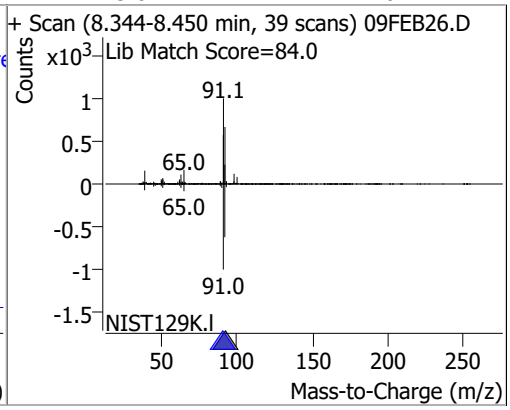




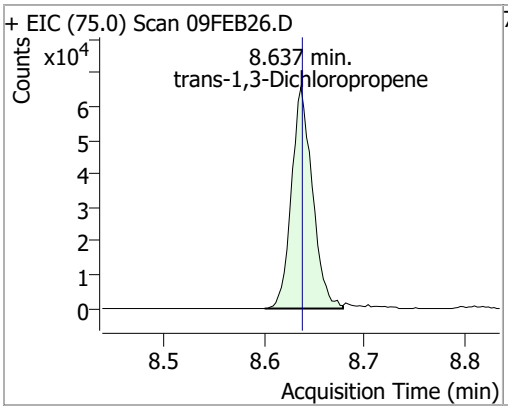
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Toluene	121.6448	8.39	0.00	260070	91.0	175.0	144.1	204.1

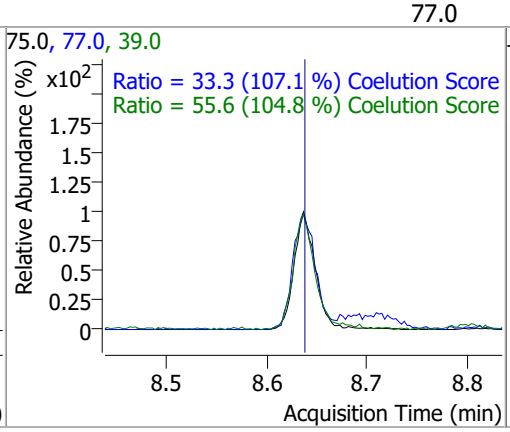


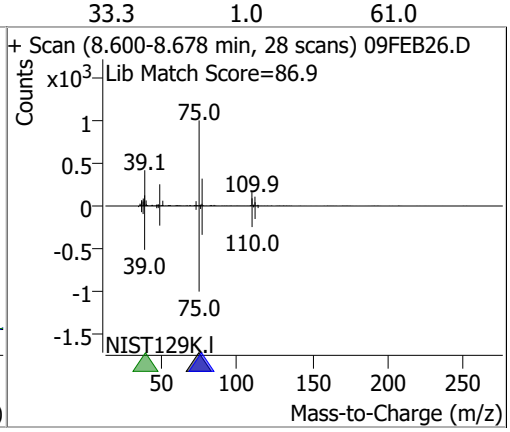




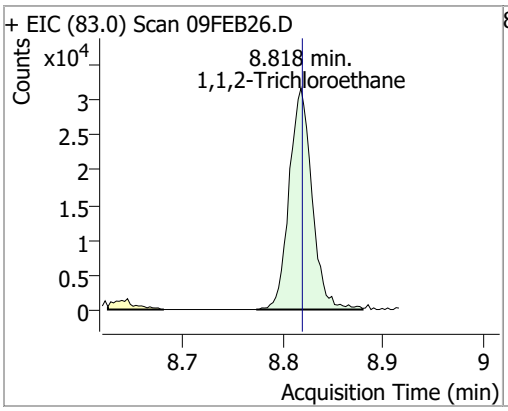
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
trans-1,3-Dichloropropene	116.0817	8.64	0.00	95300	39.0	55.6	23.0	83.0
					77.0	33.3	1.0	61.0

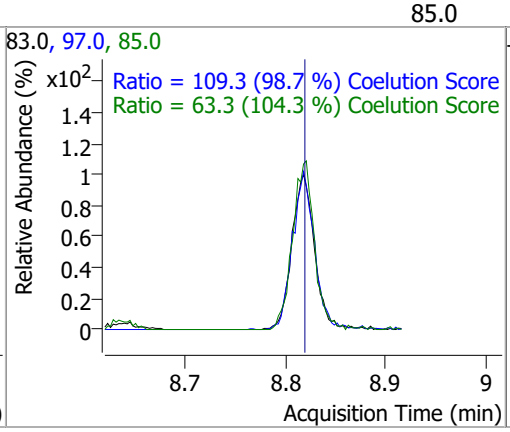


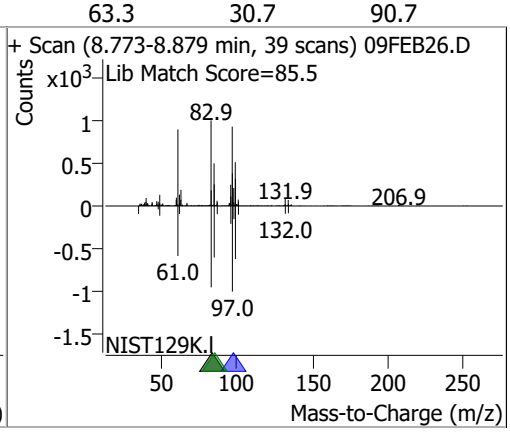




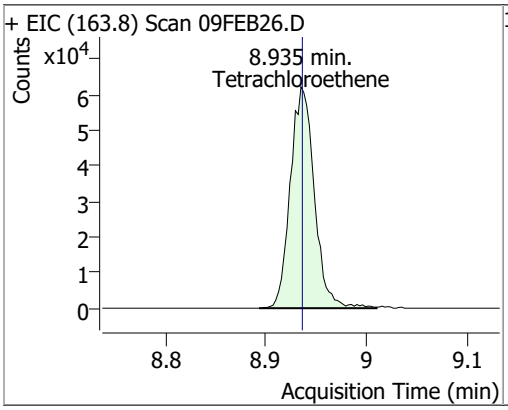
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2-Trichloroethane	120.1286	8.82	0.00	50148	97.0	109.3	80.7	140.7
					85.0	63.3	30.7	90.7

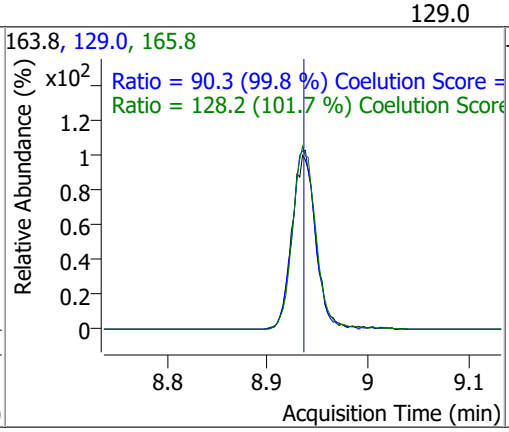


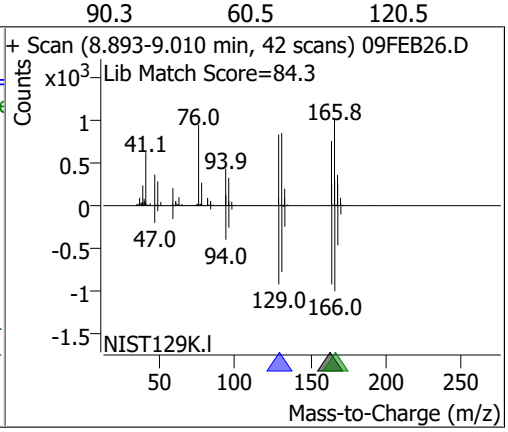




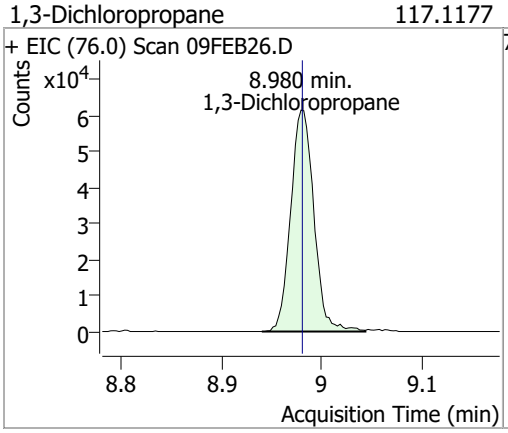
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Tetrachloroethene	119.1790	8.93	0.00	103322	165.8	128.2	96.1	156.1
					129.0	90.3	60.5	120.5

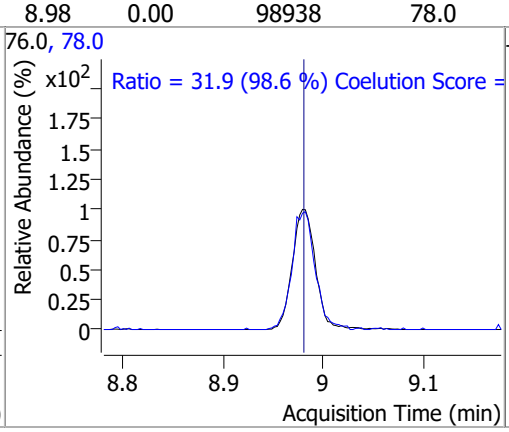


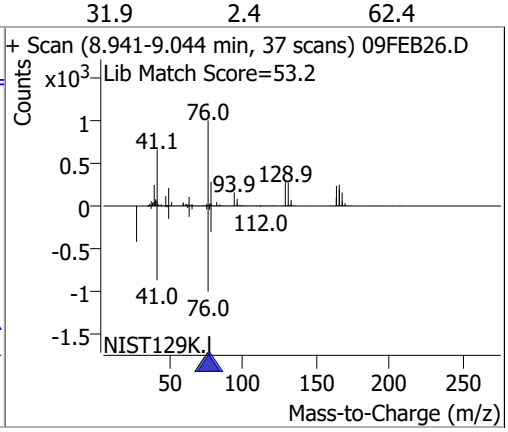




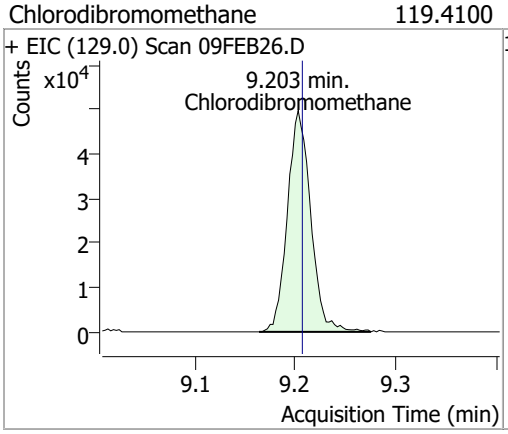
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichloropropane	117.1177	8.98	0.00	98938	78.0	31.9	2.4	62.4

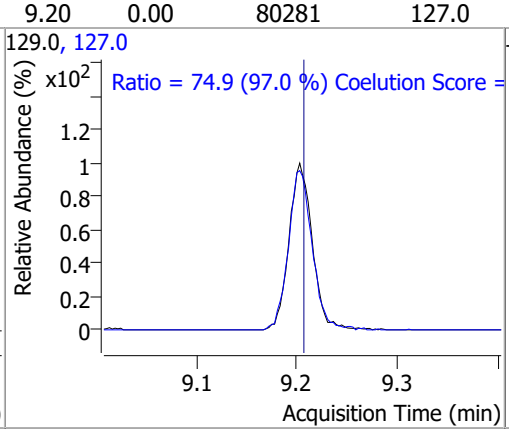


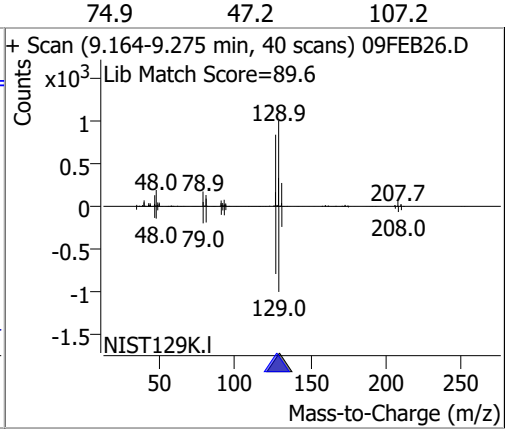




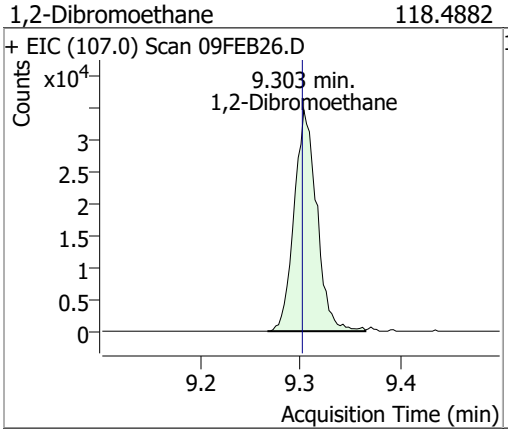
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorodibromomethane	119.4100	9.20	0.00	80281	127.0	74.9	47.2	107.2

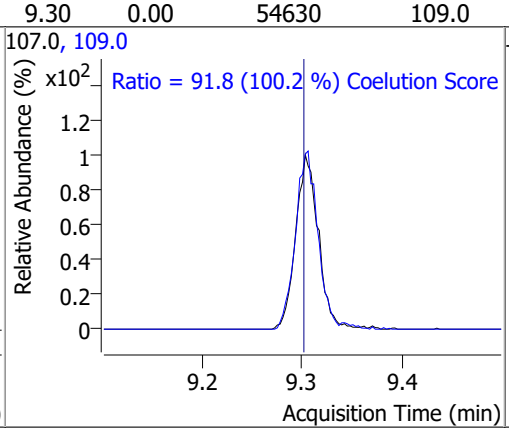


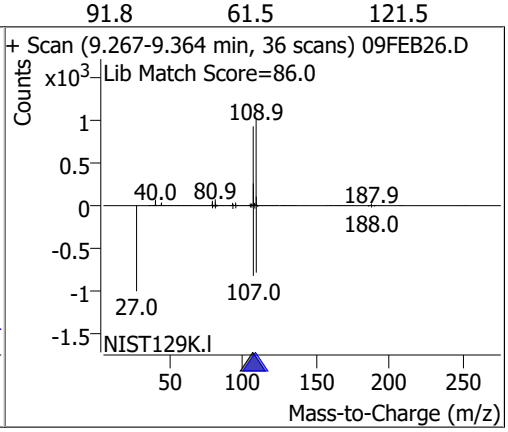




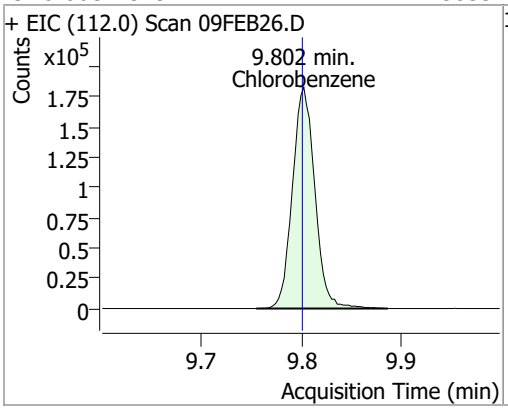
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	118.4882	9.30	0.00	54630	109.0	91.8	61.5	121.5

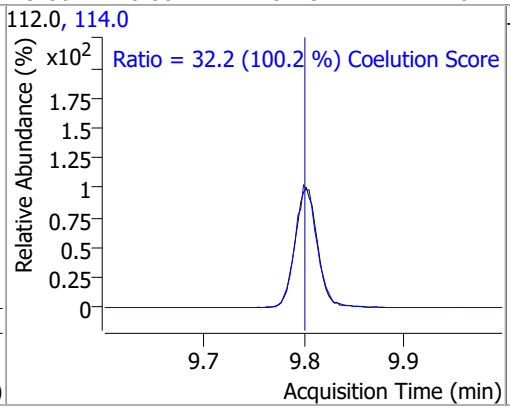


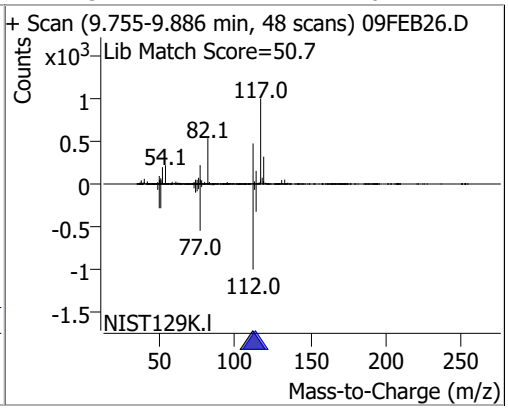




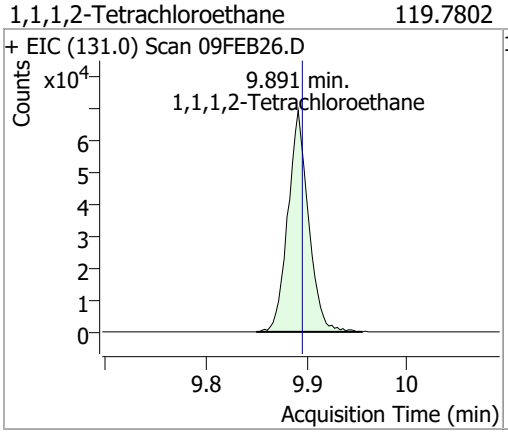
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chlorobenzene	121.3853	9.80	0.00	284491	114.0	32.2	2.2	62.2

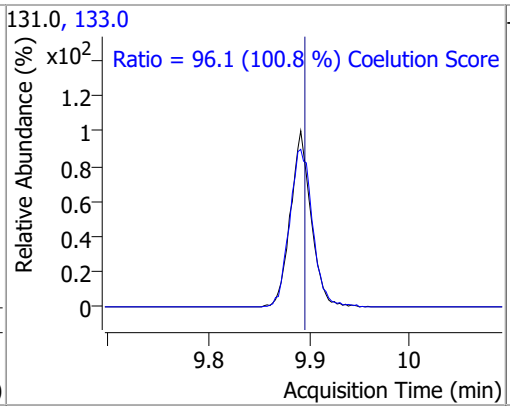


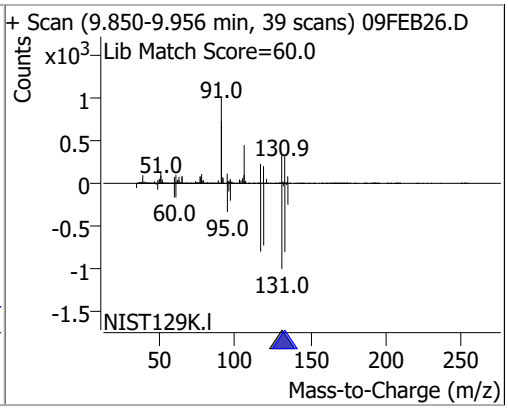




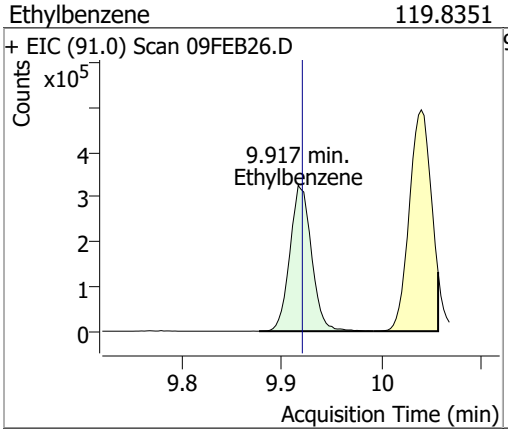
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	119.7802	9.89	0.00	98498	133.0	96.1	65.3	125.3

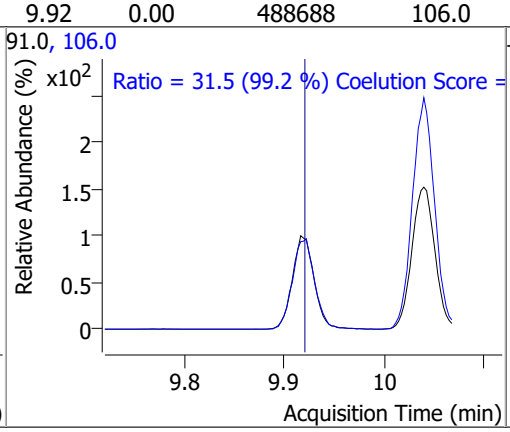


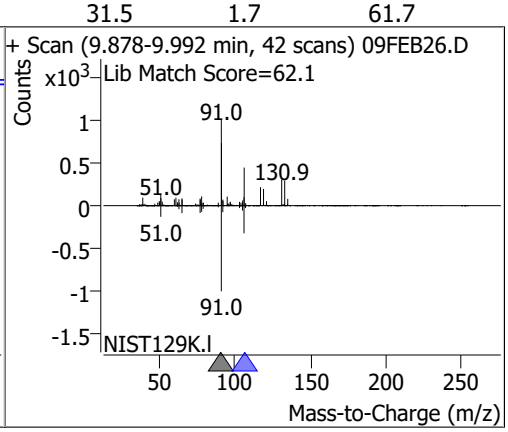




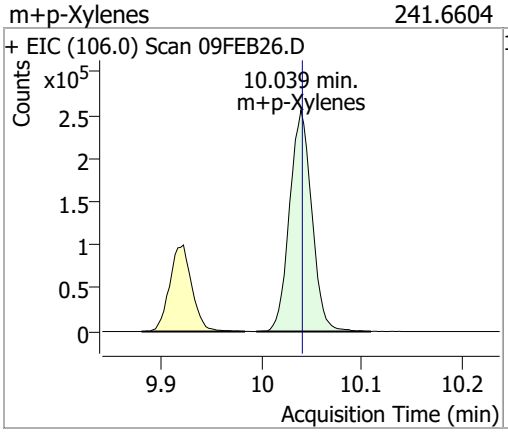
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Ethylbenzene	119.8351	9.92	0.00	488688	106.0	31.5	1.7	61.7

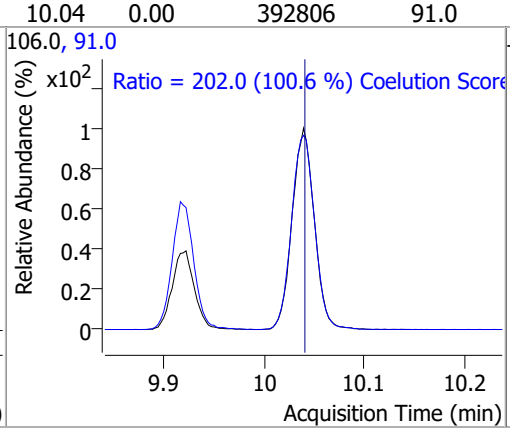


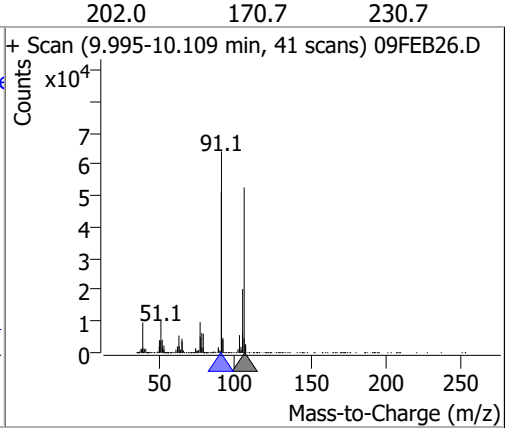




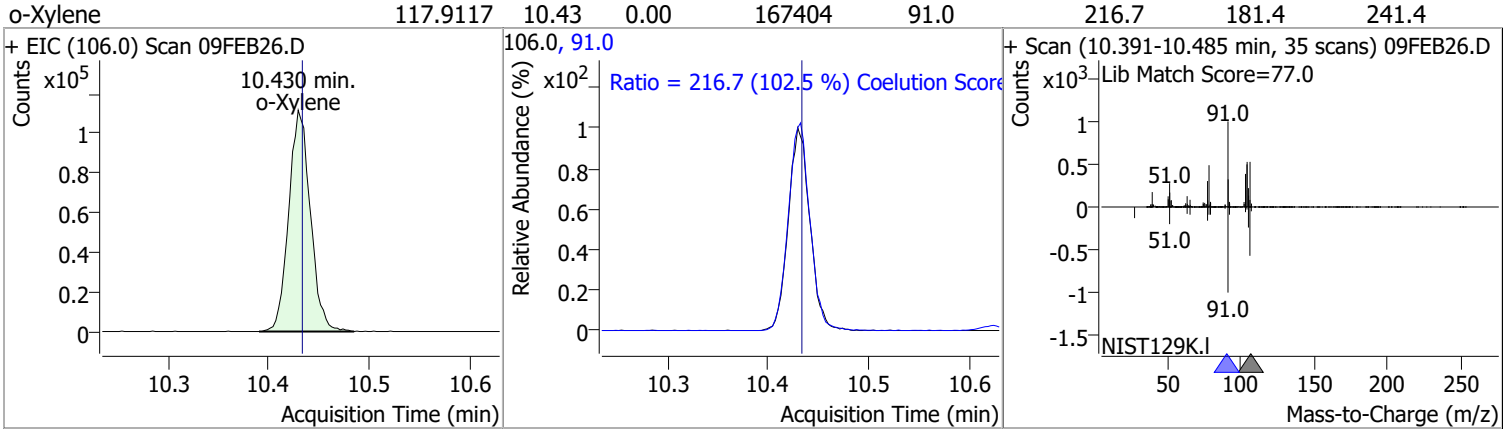
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
m+p-Xylenes	241.6604	10.04	0.00	392806	91.0	202.0	170.7	230.7



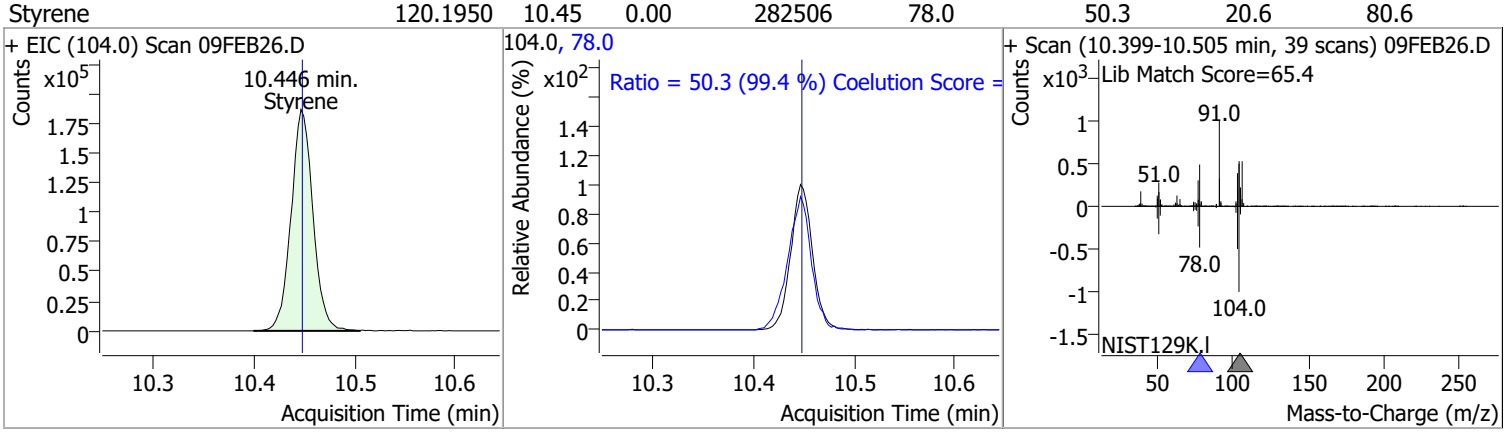




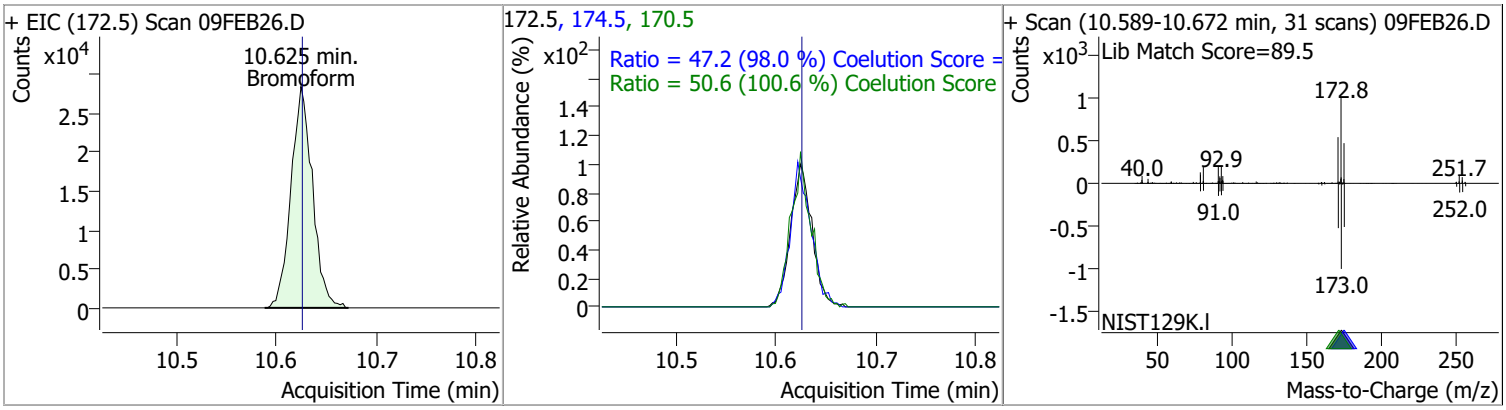
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Xylene	117.9117	10.43	0.00	167404	91.0	216.7	181.4	241.4



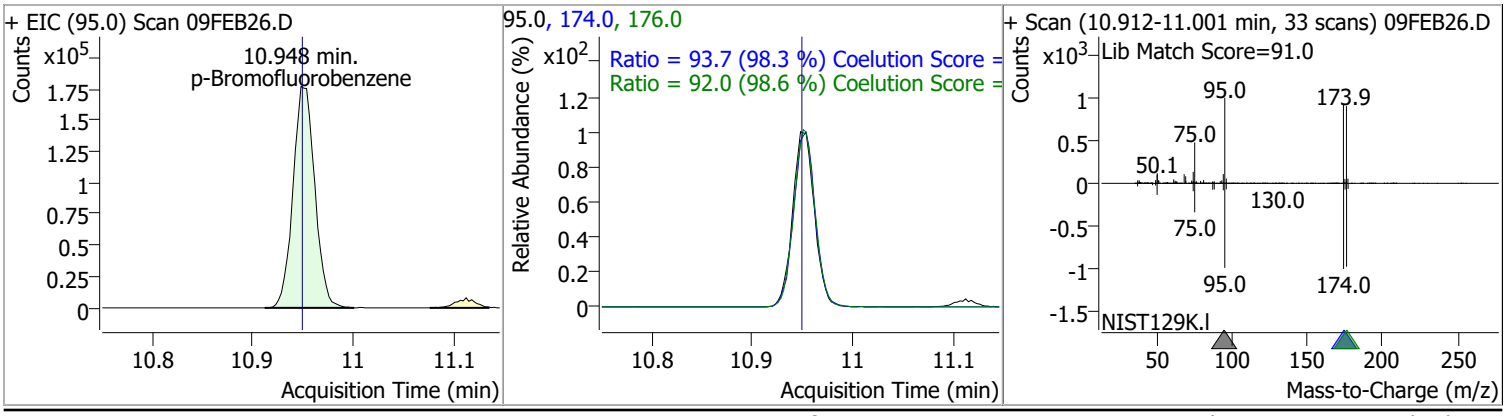
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Styrene	120.1950	10.45	0.00	282506	78.0	50.3	20.6	80.6



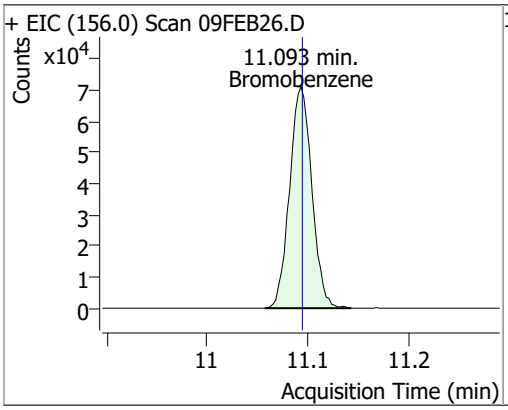
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromoform	114.7087	10.62	0.00	42351	170.5	50.6	20.3	80.3
					174.5	47.2	18.1	78.1

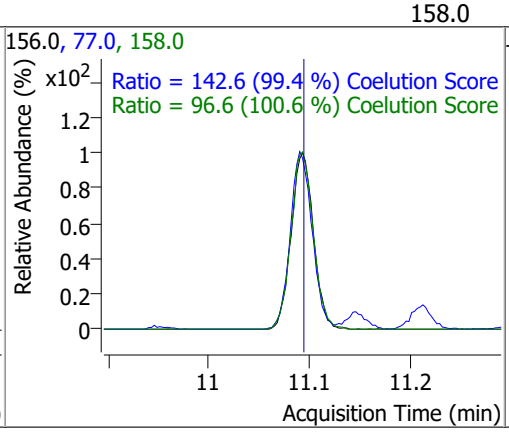


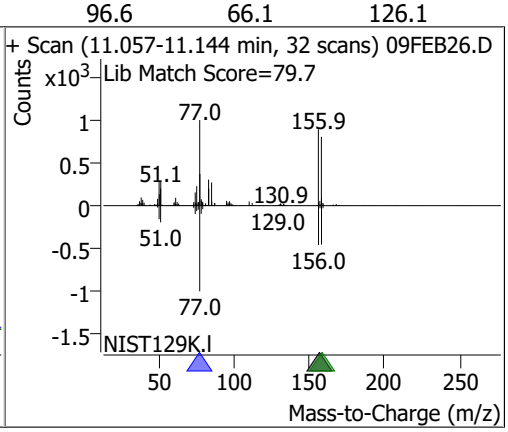
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Bromofluorobenzene	262.2791	10.95	0.00	266821	174.0	93.7	65.3	125.3
					176.0	92.0	63.3	123.3



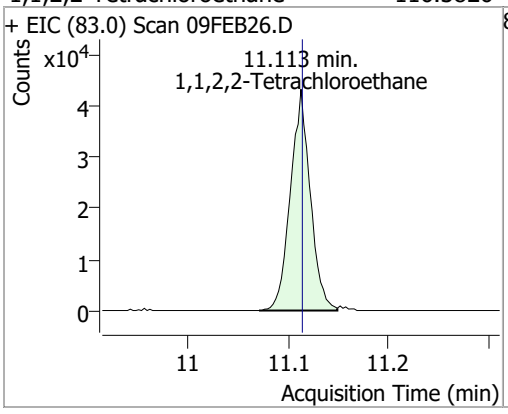
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Bromobenzene	122.1989	11.09	0.00	109629	77.0	142.6	113.5	173.5
					158.0	96.6	66.1	126.1

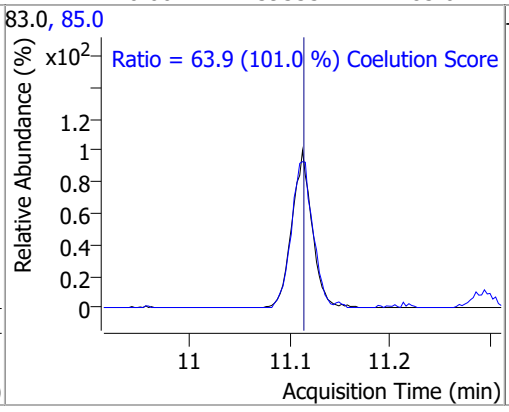


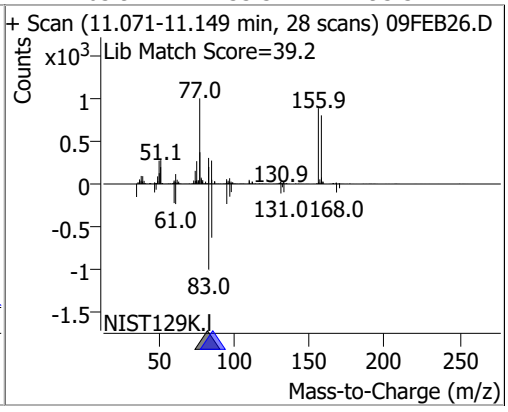




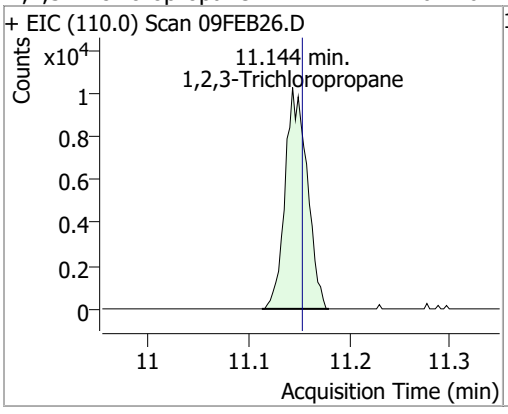
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,2,2-Tetrachloroethane	116.3826	11.11	0.00	59555	85.0	63.9	33.3	93.3

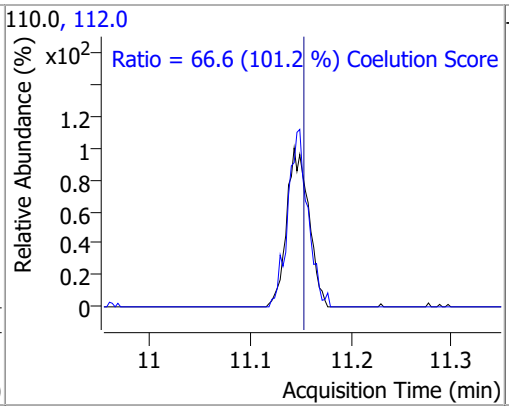


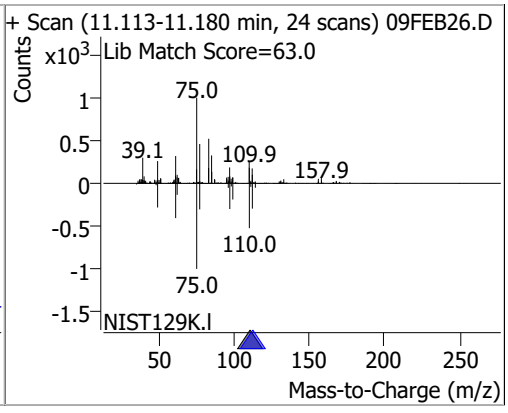




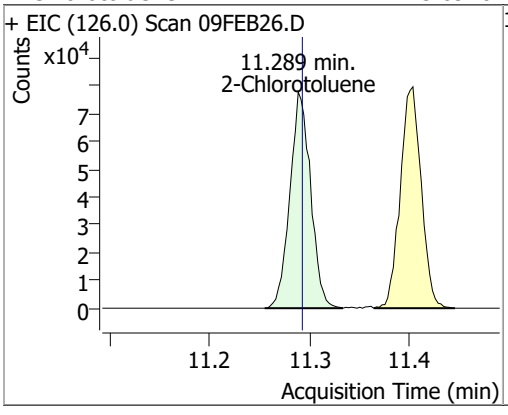
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,3-Trichloropropane	116.7161	11.14	-0.01	15692	112.0	66.6	35.8	95.8

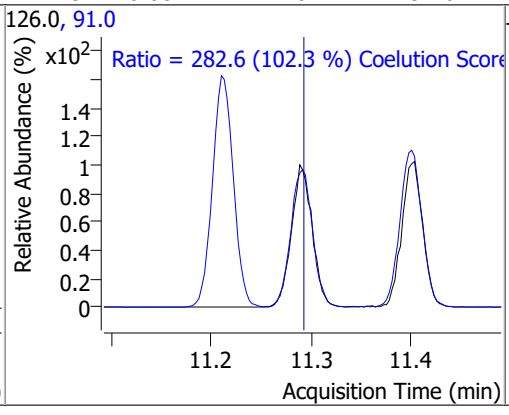


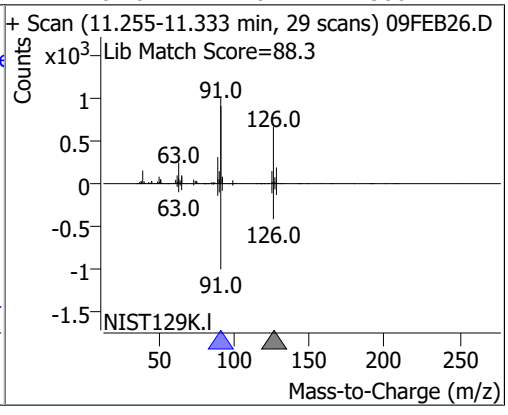




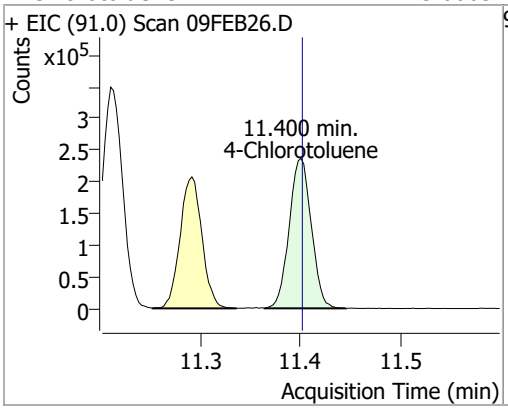
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorotoluene	125.0940	11.29	0.00	111072	91.0	282.6	246.2	306.2

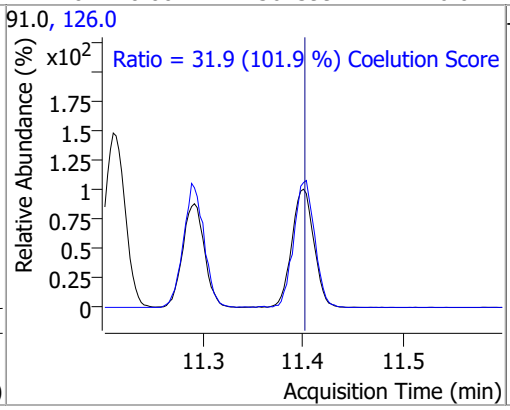


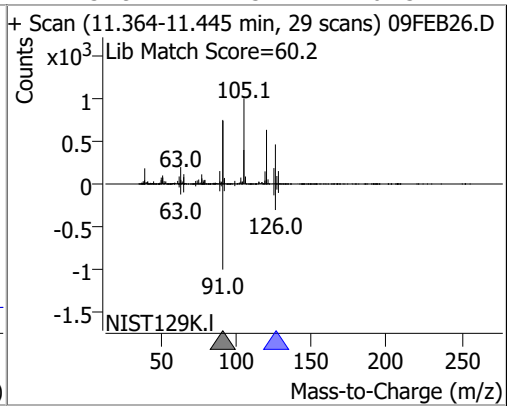




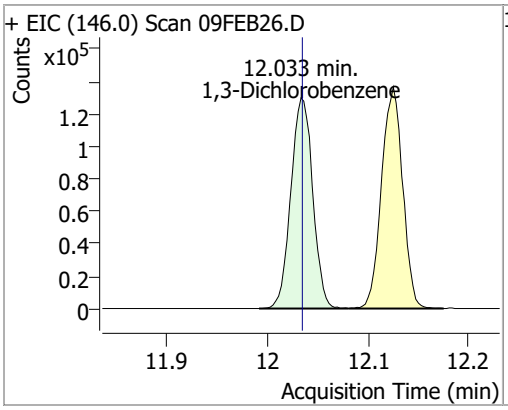
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorotoluene	125.6665	11.40	0.00	361399	126.0	31.9	1.3	61.3

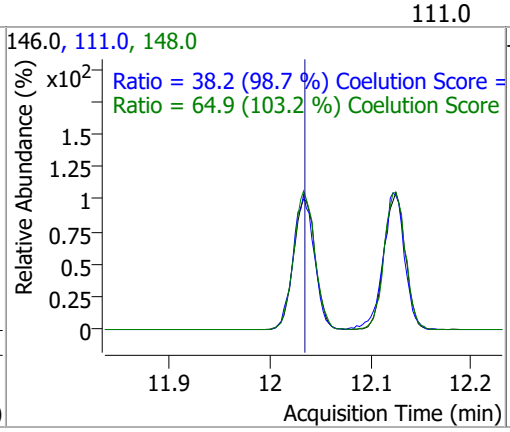


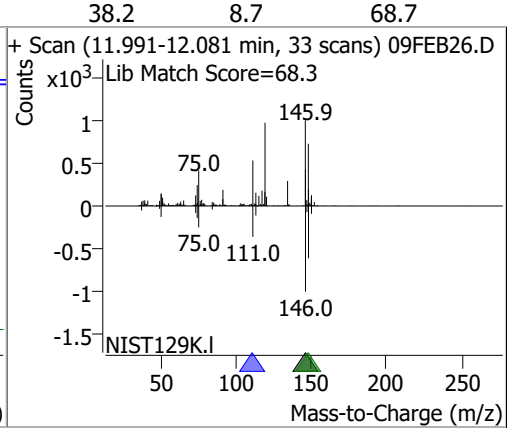




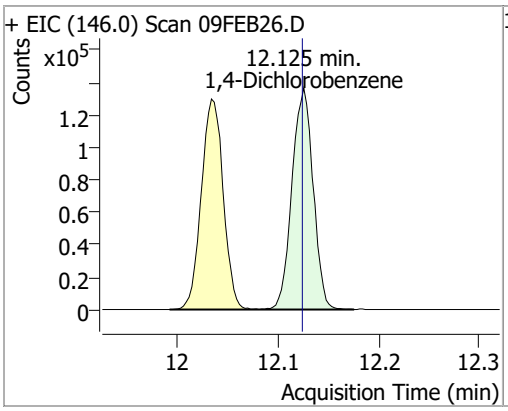
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	121.0216	12.03	0.00	196713	148.0	64.9	32.8	92.8
					111.0	38.2	8.7	68.7

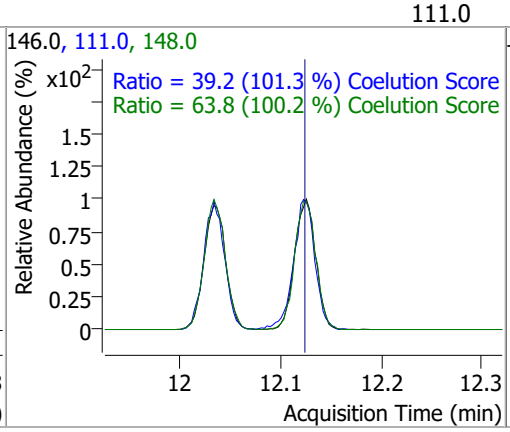


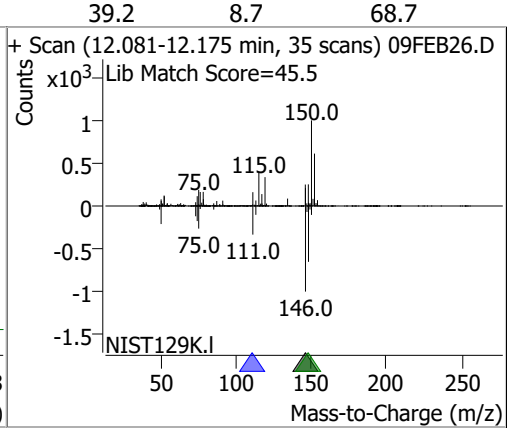




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	120.8289	12.13	0.00	200226	148.0	63.8	33.7	93.7
					111.0	39.2	8.7	68.7

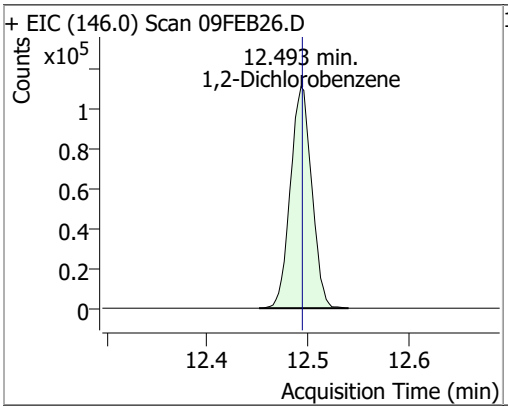


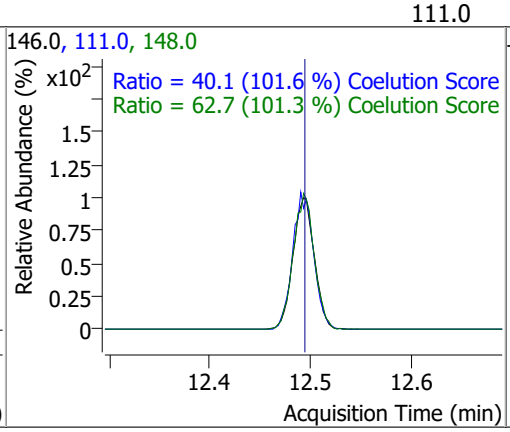


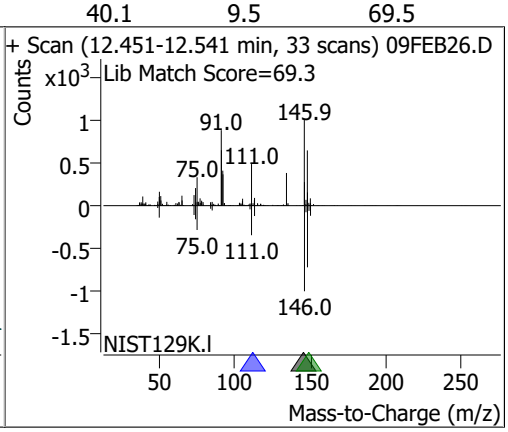


Quantitation Results Report (QT Reviewed)

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	121.1084	12.49	0.00	164350	148.0	62.7	31.9	91.9
					111.0	40.1	9.5	69.5







Batch name and path: D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin
Quant batch version: 10.0
Quant reporting version: 10.0

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdNewBatchTable	BL2000\mchavez	2/9/2022 5:51:48 AM	Create new batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	2/9/2022 5:51:55 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG020922\09FEB01.D			✓	
CmdStartMethodEditing	BL2000\mchavez	2/9/2022 5:52:17 AM	Start method editing			✓	
CmdImportMethodFromFile	BL2000\mchavez	2/9/2022 5:52:18 AM	Import method from file \\MASSHUNTER\Org\Data\Methods\Quant\VOA5975C\VOA5975C_011922_CAL\VOA5975C_8260B_SHT_DoD_L4_011922.m			✓	
CmdApplyMethodToAllSamples	BL2000\mchavez	2/9/2022 5:52:22 AM	Apply method to all samples			✓	
CmdMethodClear	BL2000\mchavez	2/9/2022 5:52:22 AM	Clear method			✓	
CmdEndMethodEditing	BL2000\mchavez	2/9/2022 5:52:22 AM	End method editing			✓	
CmdQuantitate	BL2000\mchavez	2/9/2022 5:52:25 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	2/9/2022 5:53:34 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	2/9/2022 6:01:02 AM	Open batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	2/9/2022 6:07:33 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG020922\09FEB02.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/9/2022 6:07:36 AM	Set SampleType = TuneCheck for sample 09FEB02.D; previous value = Sample			✓	
CmdSaveBatchTable	BL2000\mchavez	2/9/2022 6:19:33 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	2/9/2022 6:42:34 AM	Open batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	2/9/2022 6:43:14 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG020922\09FEB03.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/9/2022 6:43:17 AM	Set SampleType = CC for sample 09FEB03.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/9/2022 6:43:19 AM	Set LevelName = C for sample 09FEB03.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/9/2022 6:43:25 AM	Set LevelName = CC for sample 09FEB03.D; previous value = C			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdQuantitate	BL2000\mchavez	2/9/2022 6:43:28 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	2/9/2022 7:14:18 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\steve	2/9/2022 7:29:08 AM	Open batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\steve	2/9/2022 7:29:36 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG020922\09FEB04.D			✓	
CmdSetSampleAttribute	BL2000\steve	2/9/2022 7:29:45 AM	Set SampleType = QC for sample 09FEB04.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\steve	2/9/2022 7:29:52 AM	Set LevelName = QC for sample 09FEB04.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\steve	2/9/2022 7:30:07 AM	Set SampleInformation = LCSA for sample 09FEB04.D; previous value =			✓	
CmdQuantitate	BL2000\steve	2/9/2022 7:30:12 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 7:31:26 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 8:23:14 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 9:14:24 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\steve	2/9/2022 9:42:30 AM	Open batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\steve	2/9/2022 9:45:42 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG020922\09FEB09.D, D:\Org\Data\VOA5975C\VG020922\09FEB08.D, D:\Org\Data\VOA5975C\VG020922\09FEB07.D, D:\Org\Data\VOA5975C\VG020922\09FEB06.D, D:\Org\Data\VOA5975C\VG020922\09FEB05.D			✓	
CmdSetSampleAttribute	BL2000\steve	2/9/2022 9:45:50 AM	Set SampleType = Blank for sample 09FEB06.D; previous value = Sample			✓	
CmdQuantitate	BL2000\steve	2/9/2022 9:46:01 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateQualifierPeak	BL2000\steve	2/9/2022 9:46:48 AM	Manually integrate qualifier 85.0 of compound Chloroform in sample 09FEB07.D, from x, y = 5.597, 0 to 5.686, 0, result = 5132; previous integration is from x, y = 5.647, 0 to 5.686, 0 and previous response = 3211.			✓	
CmdManuallyIntegratePeak	BL2000\steve	2/9/2022 9:47:16 AM	Manually integrate compound Ethylbenzene in sample 09FEB07.D, from x, y = 9.894, 0 to 9.947, 0, result = 1311; previous integration is from x, y = 10.011, 0 to 10.050, 0 and previous response = 3363.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\steve	2/9/2022 9:47:20 AM	Manually integrate qualifier106.0 of compound Ethylbenzene in sample 09FEB07.D from x, y = 9.883, 0 to 9.953, 0; result = 363			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 9:48:14 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdStartMethodEditing	BL2000\steve	2/9/2022 9:48:20 AM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\steve	2/9/2022 9:48:21 AM	Import method from sample 09FEB09.D			✓	
CmdApplyMethodToAllSamples	BL2000\steve	2/9/2022 9:49:51 AM	Apply method to all samples			✓	
CmdMethodClear	BL2000\steve	2/9/2022 9:49:51 AM	Clear method			✓	
CmdEndMethodEditing	BL2000\steve	2/9/2022 9:49:52 AM	End method editing			✓	
CmdQuantitate	BL2000\steve	2/9/2022 9:49:57 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 9:50:19 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 10:07:15 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 10:07:25 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\steve	2/9/2022 11:23:54 AM	Open batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\steve	2/9/2022 11:24:33 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG020922\09FEB13.D, D:\Org\Data\VOA5975C\VG020922\09FEB12.D, D:\Org\Data\VOA5975C\VG020922\09FEB11.D, D:\Org\Data\VOA5975C\VG020922\09FEB10.D			✓	
CmdQuantitate	BL2000\steve	2/9/2022 11:24:58 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateQualifierPeak	BL2000\steve	2/9/2022 11:26:29 AM	Manually integrate qualifier52.0 of compound Chloromethane in sample 09FEB13.D from x, y = 1.383, 0 to 1.431, 0; result = 693			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\steve	2/9/2022 11:26:47 AM	Manually integrate qualifier85.0 of compound Chloroform in sample 09FEB13.D from x, y = 5.614, 0 to 5.697, 0; result = 2286			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 11:27:00 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 11:41:09 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\steve	2/9/2022 1:33:24 PM	Open batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\steve	2/9/2022 1:34:52 PM	Add samples from worklist: D:\Org\Data\VOA5975C\VG020922\09FEB17.D, D:\Org\Data\VOA5975C\VG020922\09FEB16.D, D:\Org\Data\VOA5975C\VG020922\09FEB15.D, D:\Org\Data\VOA5975C\VG020922\09FEB14.D			✓	
CmdQuantitate	BL2000\steve	2/9/2022 1:35:39 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 1:37:36 PM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 1:38:43 PM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\steve	2/9/2022 3:28:50 PM	Open batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\steve	2/9/2022 3:32:44 PM	Add samples from worklist: D:\Org\Data\VOA5975C\VG020922\09FEB22.D, D:\Org\Data\VOA5975C\VG020922\09FEB21.D, D:\Org\Data\VOA5975C\VG020922\09FEB20.D, D:\Org\Data\VOA5975C\VG020922\09FEB19.D, D:\Org\Data\VOA5975C\VG020922\09FEB18.D			✓	
CmdQuantitate	BL2000\steve	2/9/2022 3:33:12 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 3:35:39 PM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSaveBatchTable	BL2000\steve	2/9/2022 3:44:14 PM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\steve	2/9/2022 3:58:42 PM	Add samples from worklist: D:\Org\Data\VOA5975C\VG020922\09FEB23.D			✓	
CmdSetSampleAttribute	BL2000\steve	2/9/2022 3:58:54 PM	Set SampleType = Matrix for sample 09FEB23.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\steve	2/9/2022 3:59:03 PM	Set SampleInformation = MatrixA for sample 09FEB23.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\steve	2/9/2022 3:59:12 PM	Set MatrixSpikeGroup = 0415-006 for sample 09FEB23.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\steve	2/9/2022 3:59:24 PM	Set MatrixSpikeGroup = 0415-006 for sample 09FEB08.D; previous value =			✓	
CmdQuantitate	BL2000\steve	2/9/2022 3:59:42 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\steve	2/9/2022 4:00:04 PM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	2/10/2022 7:32:04 AM	Open batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\mchavez	2/10/2022 7:35:44 AM	Add samples from worklist: D:\Org\Data\VOA5975C\VG020922\09FEB28.D, D:\Org\Data\VOA5975C\VG020922\09FEB27.D, D:\Org\Data\VOA5975C\VG020922\09FEB26.D, D:\Org\Data\VOA5975C\VG020922\09FEB25.D, D:\Org\Data\VOA5975C\VG020922\09FEB24.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/10/2022 7:47:09 AM	Set SampleType = MatrixDup for sample 09FEB24.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/10/2022 7:47:15 AM	Set SampleType = TuneCheck for sample 09FEB26.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/10/2022 7:47:22 AM	Set SampleType = CC for sample 09FEB26.D; previous value = TuneCheck			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/10/2022 7:47:30 AM	Set LevelName = CC for sample 09FEB26.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/10/2022 7:47:40 AM	Set SampleInformation = MatrixA for sample 09FEB24.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/10/2022 7:47:49 AM	Set SampleInformation = CC for sample 09FEB26.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/10/2022 7:47:56 AM	Set MatrixSpikeGroup = 0415-006 for sample 09FEB24.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdQuantitate	BL2000\mchavez	2/10/2022 7:48:28 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	2/10/2022 8:29:33 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	2/14/2022 9:03:17 AM	Open batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:04:03 AM	Manually integrate compound Chloromethane in sample 09FEB07.D from x, y = 1.380, 0 to 1.406, -49; result = 515			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:04:03 AM	Manually integrate compound Chloromethane in sample 09FEB07.D, from x, y = 1.380, 0 to 1.422, -14, result = 1362; previous integration is from x, y = 1.380, 0 to 1.406, -49 and previous response = 515.			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:04:09 AM	Manually integrate compound Chloromethane in sample 09FEB07.D, from x, y = 1.380, 0 to 1.442, 3, result = 1536; previous integration is from x, y = 1.380, 0 to 1.422, -14 and previous response = 1362.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:04:21 AM	Manually integrate qualifier52.0 of compound Chloromethane in sample 09FEB07.D from x, y = 1.383, 0 to 1.425, 10; result = 304			✓	
CmdManuallyIntegrateDropBaseline	BL2000\mchavez	2/14/2022 9:04:26 AM	Drop baseline for qualifier 52.0 of compound Chloromethane in sample 09FEB07.D to y = 0, new integration is from x, y = 1.383, 0 to 1.425, 0 and new response = 316; previous integration is from x, y = 1.383, 0 to 1.425, 10 and previous response = 304.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:04:46 AM	Manually integrate qualifier 52.0 of compound Chloromethane in sample 09FEB07.D, from x, y = 1.383, 0 to 1.473, 0, result = 498; previous integration is from x, y = 1.383, 0 to 1.425, 0 and previous response = 316.			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:04:52 AM	Set UserAnnotation = NI for compound Chloromethane in sample 09FEB07.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:04:59 AM	Set UserAnnotation = NI for compound Ethylbenzene in sample 09FEB07.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:05:08 AM	Manually integrate compound Bromomethane in sample 09FEB07.D from x, y = 1.768, 0 to 1.821, 0; result = 513			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:05:11 AM	Manually integrate qualifier94.0 of compound Bromomethane in sample 09FEB07.D from x, y = 1.763, 0 to 1.841, 0; result = 430			✓	
CmdClearManualIntegration	BL2000\mchavez	2/14/2022 9:05:19 AM	Clear manual integration of target signal for compound Bromomethane in sample 09FEB07.D				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Integrator did not find any peaks at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ClearManualIntegration() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdClearManualIntegration.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:05:33 AM	Manually integrate compound Methylene chloride in sample 09FEB07.D from x, y = 3.299, 0 to 3.377, 0; result = 765			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:05:35 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB07.D from x, y = 3.305, 0 to 3.391, 0; result = 375			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:05:38 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB07.D from x, y = 3.274, 0 to 3.391, 0; result = 152			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:05:44 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB07.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:06:00 AM	Manually integrate compound Methyl ethyl ketone in sample 09FEB07.D from x, y = 5.257, 0 to 5.318, 2; result = 1280			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:06:09 AM	Manually integrate compound Methyl ethyl ketone in sample 09FEB07.D, from x, y = 5.257, 0 to 5.332, 0, result = 1433; previous integration is from x, y = 5.257, 0 to 5.318, 2 and previous response = 1280.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:06:13 AM	Manually integrate qualifier72.0 of compound Methyl ethyl ketone in sample 09FEB07.D from x, y = 5.276, 0 to 5.335, 0; result = 273			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:06:21 AM	Set UserAnnotation = NI for compound Methyl ethyl ketone in sample 09FEB07.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:06:34 AM	Manually integrate compound Benzene in sample 09FEB07.D from x, y = 6.261, 0 to 6.328, 0; result = 389			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:06:36 AM	Set UserAnnotation = NI for compound Benzene in sample 09FEB07.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:06:38 AM	Manually integrate qualifier77.0 of compound Benzene in sample 09FEB07.D from x, y = 6.252, 0 to 6.316, 0; result = 45			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:07:12 AM	Manually integrate compound Toluene in sample 09FEB07.D from x, y = 8.349, 0 to 8.441, 0; result = 968			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 9:07:15 AM	Manually integrate qualifier91.0 of compound Toluene in sample 09FEB07.D from x, y = 8.330, 0 to 8.433, 0; result = 0				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for qualifier 91.0 of compound Toluene in sample B22020415-001F. ---> Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual integration failed for qualifier 91.0 of compound Toluene in sample B22020415-001F. ---> System.IndexOutOfRangeException: Index was outside the bounds of the array. at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.a(Double[] A_0, Single[] A_1, Int32 A_2, Int32 A_3, Int32 A_4, Double A_5, Double A_6, Double& A_7, Double& A_8, Int32& A_9, Int32& A_10, Int32& A_11, Int32& A_12) at Agilent.MassSpectrometry.DataAnalysis.AgileIntegrator.Peak.ComputeChromatographicMetrics(Double[] xArray, Single[] yArray, Int32 startIndex, Int32 apexIndex, Int32 endIndex, Double baselineSlope, Double yIntercept, Double& fullWidthHalfMaximum, Double& symmetry) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.a(IChromatogram A_0, IPeakList A_1) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Integrator.ManualIntegrate(IChromatogram chromatogram, Double xStart, Double yStart, Double xEnd, Double yEnd, IChromPeakList& peaklist) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd) --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QualifierIon.SetManualIntegrationFailureMessage(Exception e) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.MeasuredIon.ManualIntegrate(Double xStart, Double yStart, Double xEnd, Double yEnd)

Name	User	Time	Action	Reason	Comment	Succeed	Exception
							at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegrateQualifierPeak.Do() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdManuallyIntegrateQualifierPeak.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:07:20 AM	Manually integrate qualifier91.0 of compound Toluene in sample 09FEB07.D from x, y = 8.360, 0 to 8.439, 0; result = 1650			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:08:28 AM	Manually integrate compound Chlorodibromomethane in sample 09FEB07.D from x, y = 9.161, 0 to 9.239, 0; result = 232			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:08:30 AM	Manually integrate qualifier127.0 of compound Chlorodibromomethane in sample 09FEB07.D from x, y = 9.189, 0 to 9.233, 0; result = 62			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:08:40 AM	Set UserAnnotation = NI for compound Toluene in sample 09FEB07.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:08:43 AM	Set UserAnnotation = NI for compound Chlorodibromomethane in sample 09FEB07.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:09:06 AM	Manually integrate compound o-Xylene in sample 09FEB07.D from x, y = 10.388, 0 to 10.469, 0; result = 1898			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:10:00 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Chlorodibromomethane, o-Xylene for sample 09FEB07.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:10:03 AM	Set UserAnnotation = for compound Chlorodibromomethane in sample 09FEB07.D; previous value = NI			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 9:10:08 AM	Zero out primary peak of compound Chlorodibromomethane in sample 09FEB07.D			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 9:10:12 AM	Zero out primary peak of compound o-Xylene in sample 09FEB07.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:10:21 AM	Manually integrate compound Bromoform in sample 09FEB07.D from x, y = 10.603, 0 to 10.667, 0; result = 385			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:10:23 AM	Manually integrate qualifier174.5 of compound Bromoform in sample 09FEB07.D from x, y = 10.597, 0 to 10.675, 0; result = 90			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:10:25 AM	Manually integrate qualifier170.5 of compound Bromoform in sample 09FEB07.D from x, y = 10.594, 0 to 10.653, 0; result = 176			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:10:29 AM	Set UserAnnotation = NI for compound Bromoform in sample 09FEB07.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:10:43 AM	Set SampleApproved = True for sample 09FEB07.D; previous value = False			✓	
CmdQuantitate	BL2000\mchavez	2/14/2022 9:11:10 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:14:25 AM	Manually integrate compound m+p-Xylenes in sample 09FEB08.D from x, y = 9.992, 0 to 10.081, 0; result = 370			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:14:29 AM	Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 09FEB08.D from x, y = 10.011, 0 to 10.064, 0; result = 722			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:14:33 AM	Set UserAnnotation = NI for compound m+p-Xylenes in sample 09FEB08.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:14:40 AM	Manually integrate compound Styrene in sample 09FEB08.D from x, y = 10.410, 0 to 10.463, 0; result = 107			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:14:43 AM	Manually integrate qualifier78.0 of compound Styrene in sample 09FEB08.D from x, y = 10.419, 0 to 10.472, 0; result = 91			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 9:14:52 AM	Zero out primary peak of compound Styrene in sample 09FEB08.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:15:02 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Chlorodibromomethane, o-Xylene for sample 09FEB08.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:15:13 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Styrene for sample 09FEB08.D; previous value = Qualifier ratio did not meet method criteria for Chlorodibromomethane, o-Xylene			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:15:37 AM	Set SampleApproved = True for sample 09FEB08.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:16:24 AM	Manually integrate compound Toluene in sample 09FEB09.D from x, y = 8.363, 0 to 8.402, -15; result = 603			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:16:34 AM	Manually integrate compound Toluene in sample 09FEB09.D, from x, y = 8.363, 0 to 8.399, 0, result = 542; previous integration is from x, y = 8.363, 0 to 8.402, -15 and previous response = 603.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:16:39 AM	Manually integrate qualifier91.0 of compound Toluene in sample 09FEB09.D from x, y = 8.355, 0 to 8.419, 0; result = 1427			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 9:16:47 AM	Zero out primary peak of compound Toluene in sample 09FEB09.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:16:57 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Styrene for sample 09FEB09.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:17:07 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Toluene for sample 09FEB09.D; previous value = Qualifier ratio did not meet method criteria for Styrene			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:18:04 AM	Manually integrate compound Methylene chloride in sample 09FEB09.D from x, y = 3.288, 0 to 3.358, 0; result = 490			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:18:07 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB09.D from x, y = 3.285, 0 to 3.394, 0; result = 458			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:18:11 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB09.D from x, y = 3.285, 0 to 3.416, 0; result = 298			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:18:14 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB09.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:18:32 AM	Set SampleApproved = True for sample 09FEB09.D; previous value = False			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:18:58 AM	Manually integrate compound Chloromethane in sample 09FEB10.D from x, y = 1.372, 0 to 1.436, 0; result = 1180			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:19:01 AM	Manually integrate qualifier52.0 of compound Chloromethane in sample 09FEB10.D from x, y = 1.350, 0 to 1.439, 0; result = 411			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:19:07 AM	Set UserAnnotation = NI for compound Chloromethane in sample 09FEB10.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:19:23 AM	Manually integrate compound Methylene chloride in sample 09FEB10.D from x, y = 3.316, 0 to 3.377, 0; result = 830			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:19:27 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB10.D from x, y = 3.302, 0 to 3.377, 0; result = 358			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:19:29 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB10.D from x, y = 3.282, 0 to 3.402, 0; result = 202			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:19:49 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB10.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:20:19 AM	Manually integrate compound Carbon tetrachloride in sample 09FEB10.D from x, y = 5.982, 0 to 6.124, 0; result = 191			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:20:22 AM	Manually integrate qualifier119.0 of compound Carbon tetrachloride in sample 09FEB10.D from x, y = 5.982, 0 to 6.040, 0; result = 308			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:20:24 AM	Manually integrate qualifier121.0 of compound Carbon tetrachloride in sample 09FEB10.D from x, y = 5.993, 0 to 6.077, 0; result = 118			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 9:20:27 AM	Zero out primary peak of compound Carbon tetrachloride in sample 09FEB10.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:20:41 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Styrene for sample 09FEB10.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:21:14 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Carbon tetrachloride for sample 09FEB10.D; previous value = Qualifier ratio did not meet method criteria for Styrene			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:21:31 AM	Manually integrate compound Benzene in sample 09FEB10.D from x, y = 6.255, 0 to 6.314, 0; result = 121			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:21:33 AM	Manually integrate qualifier77.0 of compound Benzene in sample 09FEB10.D from x, y = 6.258, 0 to 6.308, 0; result = 48			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:21:39 AM	Set UserAnnotation = NI for compound Benzene in sample 09FEB10.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:22:20 AM	Manually integrate compound m+p-Xylenes in sample 09FEB10.D from x, y = 10.020, 0 to 10.059, 0; result = 88			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 9:22:23 AM	Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 09FEB10.D from x, y = 10.014, 0 to 10.078, 0; result = 220			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 9:22:26 AM	Zero out primary peak of compound m+p-Xylenes in sample 09FEB10.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:22:37 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Carbon tetrachloride, m+p Xylenes for sample 09FEB10.D; previous value = Qualifier ratio did not meet method criteria for Carbon tetrachloride			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:23:05 AM	Set SampleApproved = True for sample 09FEB10.D; previous value = False			✓	
CmdSaveBatchTable	BL2000\mchavez	2/14/2022 9:23:16 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:30:13 AM	Manually integrate compound m+p-Xylenes in sample 09FEB11.D from x, y = 10.020, 0 to 10.067, 0; result = 77			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 9:30:15 AM	Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 09FEB11.D from x, y = 10.025, 0 to 10.087, 0; result = 177			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:30:19 AM	Set UserAnnotation = NI for compound m+p-Xylenes in sample 09FEB11.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:31:30 AM	Manually integrate compound Methylene chloride in sample 09FEB11.D from x, y = 3.310, 0 to 3.346, 0; result = 401			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 9:31:32 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB11.D from x, y = 3.291, 0 to 3.394, 0; result = 213			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 9:31:35 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB11.D from x, y = 3.282, 0 to 3.341, 0; result = 110			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:31:40 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB11.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:32:00 AM	Manually integrate compound Chloromethane in sample 09FEB11.D from x, y = 1.361, 0 to 1.453, 0; result = 1993			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 9:32:04 AM	Manually integrate qualifier52.0 of compound Chloromethane in sample 09FEB11.D from x, y = 1.380, 0 to 1.447, 0; result = 588			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:32:16 AM	Set UserAnnotation = NI for compound Chloromethane in sample 09FEB11.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:32:34 AM	Set SampleApproved = True for sample 09FEB11.D; previous value = False			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:33:01 AM	Manually integrate compound Chloromethane in sample 09FEB12.D from x, y = 1.386, 0 to 1.459, 0; result = 1186			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:33:03 AM	Manually integrate qualifier52.0 of compound Chloromethane in sample 09FEB12.D from x, y = 1.372, 0 to 1.456, 0; result = 280			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:33:08 AM	Set UserAnnotation = NI for compound Chloromethane in sample 09FEB12.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:53:26 AM	Manually integrate compound Tetrachloroethene in sample 09FEB12.D from x, y = 8.899, -26 to 8.960, 0; result = 307			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:53:30 AM	Manually integrate compound Tetrachloroethene in sample 09FEB12.D, from x, y = 8.899, 0 to 8.960, 0, result = 260; previous integration is from x, y = 8.899, -26 to 8.960, 0 and previous response = 307.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:53:33 AM	Manually integrate qualifier129.0 of compound Tetrachloroethene in sample 09FEB12.D from x, y = 8.893, 0 to 8.949, 0; result = 269			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:53:35 AM	Manually integrate qualifier165.8 of compound Tetrachloroethene in sample 09FEB12.D from x, y = 8.918, 0 to 8.980, 0; result = 715			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:53:38 AM	Set UserAnnotation = NI for compound Tetrachloroethene in sample 09FEB12.D; previous value =			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 9:53:45 AM	Zero out primary peak of compound Tetrachloroethene in sample 09FEB12.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:53:56 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Carbon tetrachloride, m+p Xylenes for sample 09FEB12.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:54:10 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Tetrachloroethene for sample 09FEB12.D; previous value = Qualifier ratio did not meet method criteria for Carbon tetrachloride, m+p Xylenes			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:54:49 AM	Set SampleApproved = True for sample 09FEB12.D; previous value = False			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:55:42 AM	Manually integrate compound o-Xylene in sample 09FEB13.D from x, y = 10.385, 0 to 10.469, 0; result = 299			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:55:44 AM	Manually integrate qualifier91.0 of compound o-Xylene in sample 09FEB13.D from x, y = 10.399, 0 to 10.480, 0; result = 880			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 9:55:47 AM	Zero out primary peak of compound o-Xylene in sample 09FEB13.D			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:55:52 AM	Manually integrate compound m+p-Xylenes in sample 09FEB13.D from x, y = 10.014, 0 to 10.076, 0; result = 390			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 9:55:55 AM	Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 09FEB13.D from x, y = 10.009, 0 to 10.053, 0; result = 576			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 9:56:11 AM	Zero out primary peak of compound m+p-Xylenes in sample 09FEB13.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:56:28 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Carbon tetrachloride, m+p Xylenes for sample 09FEB13.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 9:56:43 AM	Set UserDefined = Qualifier ratio did not meet method criteria for o-Xylene, m+p Xylenes for sample 09FEB13.D; previous value = Qualifier ratio did not meet method criteria for Carbon tetrachloride, m+p Xylenes			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 9:57:06 AM	Manually integrate compound Toluene in sample 09FEB13.D from x, y = 8.355, 0 to 8.447, 0; result = 1789			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 9:57:11 AM	Set UserAnnotation = NI for compound Toluene in sample 09FEB13.D; previous value =			✓	
CmdSaveBatchTable	BL2000\mchavez	2/14/2022 9:58:42 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	2/14/2022 10:04:09 AM	Open batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:04:39 AM	Manually integrate compound Methylene chloride in sample 09FEB13.D from x, y = 3.285, 0 to 3.402, 0; result = 831			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:04:42 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB13.D from x, y = 3.305, 0 to 3.372, 0; result = 163			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:04:46 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB13.D from x, y = 3.288, 0 to 3.383, 0; result = 167			✓	
CmdSetTargetCompoun dAttribute	BL2000\mchavez	2/14/2022 10:04:59 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB13.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:06:11 AM	Set SampleApproved = True for sample 09FEB13.D; previous value = False			✓	
CmdManuallyIntegrateP eak	BL2000\mchavez	2/14/2022 10:06:42 AM	Manually integrate compound Chloromethane in sample 09FEB14.D from x, y = 1.389, 0 to 1.453, 0; result = 632			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:06:45 AM	Manually integrate qualifier52.0 of compound Chloromethane in sample 09FEB14.D from x, y = 1.383, 0 to 1.456, 0; result = 96			✓	
CmdSetTargetCompoun dAttribute	BL2000\mchavez	2/14/2022 10:07:02 AM	Set UserAnnotation = NI for compound Chloromethane in sample 09FEB14.D; previous value =			✓	
CmdManuallyIntegrateP eak	BL2000\mchavez	2/14/2022 10:07:06 AM	Manually integrate compound Methylene chloride in sample 09FEB14.D from x, y = 3.268, 0 to 3.372, 0; result = 360			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:07:09 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB14.D from x, y = 3.302, 0 to 3.377, 0; result = 211			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:07:11 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB14.D from x, y = 3.310, 0 to 3.366, 0; result = 197			✓	
CmdSetTargetCompoun dAttribute	BL2000\mchavez	2/14/2022 10:07:14 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB14.D; previous value =			✓	
CmdManuallyIntegrateP eak	BL2000\mchavez	2/14/2022 10:07:30 AM	Manually integrate compound Chloroform in sample 09FEB14.D from x, y = 5.628, 46 to 5.720, 0; result = 546			✓	
CmdManuallyIntegrate DropBaseline	BL2000\mchavez	2/14/2022 10:07:32 AM	Drop baseline for compound Chloroform in sample 09FEB14.D to y = 0, new integration is from x, y = 5.628, 0 to 5.720, 0 and new response = 673; previous integration is from x, y = 5.628, 46 to 5.720, 0 and previous response = 546.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:07:35 AM	Manually integrate qualifier85.0 of compound Chloroform in sample 09FEB14.D from x, y = 5.616, 0 to 5.678, 0; result = 234			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 10:07:38 AM	Zero out primary peak of compound Chloroform in sample 09FEB14.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:07:47 AM	Set UserDefined = Qualifier ratio did not meet method criteria for o-Xylene, m+p Xylenes for sample 09FEB14.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:07:58 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Chloroform for sample 09FEB14.D; previous value = Qualifier ratio did not meet method criteria for o-Xylene, m+p Xylenes			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:08:28 AM	Manually integrate compound Toluene in sample 09FEB14.D from x, y = 8.363, 0 to 8.411, 0; result = 267			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:08:30 AM	Manually integrate qualifier91.0 of compound Toluene in sample 09FEB14.D from x, y = 8.358, 0 to 8.439, 0; result = 1046			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 10:08:35 AM	Zero out primary peak of compound Toluene in sample 09FEB14.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:08:43 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Chloroform, Toluene for sample 09FEB14.D; previous value = Qualifier ratio did not meet method criteria for Chloroform			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:09:07 AM	Manually integrate compound o-Xylene in sample 09FEB14.D from x, y = 10.413, 22 to 10.455, -17; result = 113			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:09:09 AM	Manually integrate qualifier91.0 of compound o-Xylene in sample 09FEB14.D from x, y = 10.413, 0 to 10.460, 0; result = 252			✓	
CmdManuallyIntegrate DropBaseline	BL2000\mchavez	2/14/2022 10:09:11 AM	Drop baseline for qualifier 91.0 of compound o-Xylene in sample 09FEB14.D to y = 0, new integration is from x, y = 10.413, 0 to 10.460, 0 and new response = 252; previous integration is from x, y = 10.413, 0 to 10.460, 0 and previous response = 252.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\mchavez	2/14/2022 10:09:17 AM	Drop baseline for qualifier 91.0 of compound o-Xylene in sample 09FEB14.D to y = 0, new integration is from x, y = 10.413, 0 to 10.460, 0 and new response = 252; previous integration is from x, y = 10.413, 0 to 10.460, 0 and previous response = 252.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\mchavez	2/14/2022 10:09:22 AM	Drop baseline for compound o-Xylene in sample 09FEB14.D to y = -17, new integration is from x, y = 10.413, -17 to 10.455, -17 and new response = 163; previous integration is from x, y = 10.413, 22 to 10.455, -17 and previous response = 113.			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:09:25 AM	Manually integrate compound o-Xylene in sample 09FEB14.D, from x, y = 10.413, 0 to 10.455, 0, result = 119; previous integration is from x, y = 10.413, -17 to 10.455, -17 and previous response = 163.			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:09:30 AM	Set UserAnnotation = NI for compound o-Xylene in sample 09FEB14.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:09:54 AM	Set SampleApproved = True for sample 09FEB14.D; previous value = False			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:14:42 AM	Manually integrate compound Methylene chloride in sample 09FEB16.D from x, y = 3.296, 0 to 3.372, 0; result = 2005			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:14:45 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB16.D from x, y = 3.307, 0 to 3.355, 0; result = 1271			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:14:47 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB16.D from x, y = 3.288, 0 to 3.377, 0; result = 784			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:14:50 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB16.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:15:06 AM	Manually integrate compound Chloroform in sample 09FEB16.D from x, y = 5.636, 0 to 5.692, 0; result = 107			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:15:08 AM	Manually integrate qualifier85.0 of compound Chloroform in sample 09FEB16.D from x, y = 5.625, 0 to 5.697, 0; result = 59			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:16:03 AM	Manually integrate compound m+p-Xylenes in sample 09FEB16.D from x, y = 10.014, 0 to 10.064, 0; result = 128			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:16:06 AM	Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 09FEB16.D from x, y = 10.014, -15 to 10.075, 0; result = 859			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 10:16:12 AM	Zero out primary peak of compound m+p-Xylenes in sample 09FEB16.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:16:29 AM	Set UserDefined = Qualifier ratio did not meet method criteria for o-Xylene, m+p Xylenes for sample 09FEB16.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:16:54 AM	Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes for sample 09FEB16.D; previous value = Qualifier ratio did not meet method criteria for o-Xylene, m+p Xylenes			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:17:37 AM	Set SampleApproved = True for sample 09FEB16.D; previous value = False			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:18:14 AM	Manually integrate compound m+p-Xylenes in sample 09FEB17.D from x, y = 10.009, 0 to 10.073, 0; result = 260			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:18:17 AM	Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 09FEB17.D from x, y = 9.978, 0 to 10.095, 0; result = 1075			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 10:18:20 AM	Zero out primary peak of compound m+p-Xylenes in sample 09FEB17.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:18:32 AM	Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes for sample 09FEB17.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:19:15 AM	Manually integrate compound Chloroform in sample 09FEB17.D from x, y = 5.622, 0 to 5.711, 0; result = 373			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:19:17 AM	Manually integrate qualifier85.0 of compound Chloroform in sample 09FEB17.D from x, y = 5.608, 0 to 5.681, 0; result = 190			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:19:23 AM	Set UserAnnotation = NI for compound Chloroform in sample 09FEB17.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:19:46 AM	Manually integrate compound Methylene chloride in sample 09FEB17.D from x, y = 3.266, 0 to 3.366, 0; result = 1985			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:19:48 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB17.D from x, y = 3.288, 0 to 3.416, 0; result = 2093			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:19:51 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB17.D from x, y = 3.274, 0 to 3.447, 0; result = 1229			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 10:19:57 AM	Zero out primary peak of compound Methylene chloride in sample 09FEB17.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:20:14 AM	Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes, Methylene chloride for sample 09FEB17.D; previous value = Qualifier ratio did not meet method criteria for m+p Xylenes			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:20:31 AM	Set SampleApproved = True for sample 09FEB17.D; previous value = False			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:21:33 AM	Manually integrate compound Methylene chloride in sample 09FEB18.D from x, y = 3.291, 0 to 3.411, 0; result = 2380			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:21:37 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB18.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:21:40 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB18.D from x, y = 3.263, 0 to 3.402, 0; result = 1430			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:21:42 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB18.D from x, y = 3.282, 0 to 3.386, 0; result = 903			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:22:07 AM	Manually integrate compound Chloroform in sample 09FEB18.D from x, y = 5.591, 0 to 5.720, 0; result = 869			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:22:10 AM	Manually integrate qualifier85.0 of compound Chloroform in sample 09FEB18.D from x, y = 5.622, 0 to 5.709, 0; result = 337			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:22:13 AM	Set UserAnnotation = NI for compound Chloroform in sample 09FEB18.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:22:29 AM	Manually integrate compound Benzene in sample 09FEB18.D from x, y = 6.263, 0 to 6.303, 0; result = 274			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:22:31 AM	Manually integrate qualifier77.0 of compound Benzene in sample 09FEB18.D from x, y = 6.261, 0 to 6.316, 0; result = 57			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:22:34 AM	Set UserAnnotation = NI for compound Benzene in sample 09FEB18.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:23:00 AM	Manually integrate compound Chlorodibromomethane in sample 09FEB18.D from x, y = 9.178, 0 to 9.231, 0; result = 79			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:23:02 AM	Manually integrate qualifier127.0 of compound Chlorodibromomethane in sample 09FEB18.D from x, y = 9.180, 0 to 9.239, 0; result = 86			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 10:23:05 AM	Zero out primary peak of compound Chlorodibromomethane in sample 09FEB18.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:23:10 AM	Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes for sample 09FEB18.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:23:23 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Chlorodibromomethane for sample 09FEB18.D; previous value = Qualifier ratio did not meet method criteria for m+p Xylenes			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:23:36 AM	Manually integrate compound m+p-Xylenes in sample 09FEB18.D from x, y = 10.023, 0 to 10.062, 0; result = 188			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:23:39 AM	Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 09FEB18.D from x, y = 10.000, 0 to 10.084, 0; result = 750			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 10:23:43 AM	Zero out primary peak of compound m+p-Xylenes in sample 09FEB18.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:24:01 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Chlorodibromomethane, m+p Xylenes for sample 09FEB18.D; previous value = Qualifier ratio did not meet method criteria for Chlorodibromomethane			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:24:23 AM	Set SampleApproved = True for sample 09FEB18.D; previous value = False			✓	
CmdQuantitate	BL2000\mchavez	2/14/2022 10:24:44 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:25:34 AM	Manually integrate compound Methylene chloride in sample 09FEB08.D from x, y = 3.291, 0 to 3.377, 0; result = 577			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:25:36 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB08.D from x, y = 3.299, 0 to 3.397, 0; result = 452			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:25:39 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB08.D from x, y = 3.268, 0 to 3.366, 0; result = 162			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:28:27 AM	Manually integrate compound Chloromethane in sample 09FEB19.D from x, y = 1.356, 0 to 1.461, 0; result = 906			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:28:29 AM	Manually integrate qualifier52.0 of compound Chloromethane in sample 09FEB19.D from x, y = 1.383, 0 to 1.489, 0; result = 361			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:28:33 AM	Set UserAnnotation = NI for compound Chloromethane in sample 09FEB19.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:28:44 AM	Manually integrate compound Methylene chloride in sample 09FEB19.D from x, y = 3.288, 0 to 3.386, 0; result = 1468			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:28:46 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB19.D from x, y = 3.280, 0 to 3.414, 0; result = 1254			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:28:50 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB19.D from x, y = 3.310, 0 to 3.383, 0; result = 638			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:29:44 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB19.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:29:58 AM	Manually integrate compound Chloroform in sample 09FEB19.D from x, y = 5.591, 0 to 5.720, 0; result = 562			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:30:00 AM	Manually integrate qualifier85.0 of compound Chloroform in sample 09FEB19.D from x, y = 5.603, 0 to 5.706, 0; result = 348			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:30:23 AM	Manually integrate compound Toluene in sample 09FEB19.D from x, y = 8.358, 0 to 8.439, 0; result = 1048			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:30:25 AM	Manually integrate qualifier91.0 of compound Toluene in sample 09FEB19.D from x, y = 8.338, 0 to 8.441, 0; result = 1748			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:30:46 AM	Manually integrate compound m+p-Xylenes in sample 09FEB19.D from x, y = 10.017, 0 to 10.062, 0; result = 110			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:30:47 AM	Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 09FEB19.D from x, y = 10.000, 0 to 10.084, 0; result = 332			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 10:30:51 AM	Zero out primary peak of compound m+p-Xylenes in sample 09FEB19.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:31:08 AM	Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes for sample 09FEB19.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:31:29 AM	Set SampleApproved = True for sample 09FEB19.D; previous value = False			✓	
CmdQuantitate	BL2000\mchavez	2/14/2022 10:31:49 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	2/14/2022 10:34:39 AM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
CmdOpenBatchTable	BL2000\mchavez	2/14/2022 10:42:14 AM	Open batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:42:34 AM	Manually integrate compound Chloromethane in sample 09FEB20.D from x, y = 1.375, 0 to 1.439, 0; result = 1165			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:42:36 AM	Manually integrate qualifier52.0 of compound Chloromethane in sample 09FEB20.D from x, y = 1.364, 0 to 1.456, 0; result = 386			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:44:01 AM	Manually integrate compound Methylene chloride in sample 09FEB20.D from x, y = 3.266, 0 to 3.416, 0; result = 2152			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:44:06 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB20.D from x, y = 3.283, 0 to 3.380, 0; result = 1760			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:44:09 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB20.D from x, y = 3.271, 0 to 3.366, 0; result = 787			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:44:14 AM	Set UserAnnotation = NI for compound Chloromethane in sample 09FEB20.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:44:20 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB20.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:46:12 AM	Manually integrate compound Ethylbenzene in sample 09FEB20.D from x, y = 9.894, 0 to 9.953, 0; result = 760			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:46:23 AM	Manually integrate qualifier106.0 of compound Ethylbenzene in sample 09FEB20.D from x, y = 9.900, 53 to 9.953, 0; result = 3			✓	
CmdManuallyIntegrateDropBaseline	BL2000\mchavez	2/14/2022 10:46:24 AM	Drop baseline for qualifier 106.0 of compound Ethylbenzene in sample 09FEB20.D to y = 0, new integration is from x, y = 9.900, 0 to 9.953, 0 and new response = 87; previous integration is from x, y = 9.900, 53 to 9.953, 0 and previous response = 3.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:46:30 AM	Set UserAnnotation = NI for compound Ethylbenzene in sample 09FEB20.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:46:36 AM	Manually integrate compound m+p-Xylenes in sample 09FEB20.D from x, y = 10.000, 0 to 10.065, 0; result = 467			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:46:40 AM	Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 09FEB20.D from x, y = 10.006, 0 to 10.062, 0; result = 884			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:46:43 AM	Set UserAnnotation = NI for compound m+p-Xylenes in sample 09FEB20.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:47:02 AM	Set SampleApproved = True for sample 09FEB20.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 10:48:32 AM	Zero out primary peak of compound Toluene in sample 09FEB21.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:48:44 AM	Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes for sample 09FEB21.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:48:53 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Toluene for sample 09FEB21.D; previous value = Qualifier ratio did not meet method criteria for m+p Xylenes			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:49:20 AM	Manually integrate compound Chloroform in sample 09FEB21.D from x, y = 5.605, 0 to 5.675, 0; result = 403			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:49:23 AM	Manually integrate qualifier85.0 of compound Chloroform in sample 09FEB21.D from x, y = 5.600, 0 to 5.700, 0; result = 230			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:49:40 AM	Manually integrate compound Methylene chloride in sample 09FEB21.D from x, y = 3.285, 0 to 3.413, 0; result = 2611			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:49:42 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB21.D from x, y = 3.288, 0 to 3.419, 0; result = 1567			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:49:44 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB21.D from x, y = 3.282, 0 to 3.416, 0; result = 1043			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:50:09 AM	Manually integrate compound Chloromethane in sample 09FEB21.D from x, y = 1.381, 0 to 1.442, 0; result = 485			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:50:11 AM	Manually integrate qualifier52.0 of compound Chloromethane in sample 09FEB21.D from x, y = 1.378, 0 to 1.433, 0; result = 232			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:50:18 AM	Set UserAnnotation = NI for compound Chloromethane in sample 09FEB21.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:50:21 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB21.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:50:23 AM	Set UserAnnotation = NI for compound Chloroform in sample 09FEB21.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:50:29 AM	Set SampleApproved = True for sample 09FEB21.D; previous value = False			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:50:52 AM	Manually integrate compound Methylene chloride in sample 09FEB22.D from x, y = 3.302, 0 to 3.405, 0; result = 1566			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:50:55 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB22.D from x, y = 3.271, 0 to 3.413, 0; result = 845			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:50:57 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB22.D from x, y = 3.279, 0 to 3.394, 0; result = 583			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:51:00 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB22.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:51:09 AM	Manually integrate compound Chloromethane in sample 09FEB22.D from x, y = 1.375, 0 to 1.433, 1; result = 795			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:51:11 AM	Manually integrate qualifier52.0 of compound Chloromethane in sample 09FEB22.D from x, y = 1.392, 0 to 1.453, 0; result = 175			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 10:51:15 AM	Set UserAnnotation = NI for compound Chloromethane in sample 09FEB22.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:51:32 AM	Manually integrate compound Chloroform in sample 09FEB22.D from x, y = 5.616, 0 to 5.692, 0; result = 641			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 10:51:34 AM	Manually integrate qualifier85.0 of compound Chloroform in sample 09FEB22.D from x, y = 5.608, 0 to 5.700, 0; result = 437			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 10:52:17 AM	Manually integrate compound m+p-Xylenes in sample 09FEB22.D from x, y = 10.025, 0 to 10.075, 0; result = 82			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:52:19 AM	Manually integrate qualifier91.0 of compound m+p-Xylenes in sample 09FEB22.D from x, y = 10.006, 0 to 10.078, 39; result = 223			✓	
CmdManuallyIntegrate DropBaseline	BL2000\mchavez	2/14/2022 10:52:22 AM	Drop baseline for qualifier 91.0 of compound m+p-Xylenes in sample 09FEB22.D to y = 0, new integration is from x, y = 10.006, 0 to 10.078, 0 and new response = 307; previous integration is from x, y = 10.006, 0 to 10.078, 39 and previous response = 223.			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 10:52:25 AM	Zero out primary peak of compound m+p-Xylenes in sample 09FEB22.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:52:36 AM	Set UserDefined = Qualifier ratio did not meet method criteria for m+p Xylenes for sample 09FEB22.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:53:17 AM	Set SampleApproved = True for sample 09FEB22.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:54:48 AM	Set SampleApproved = True for sample 09FEB23.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:56:06 AM	Set SampleApproved = True for sample 09FEB24.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 10:58:49 AM	Set SampleApproved = True for sample 09FEB26.D; previous value = False			✓	
CmdManuallyIntegrateP eak	BL2000\mchavez	2/14/2022 10:59:27 AM	Manually integrate compound Methylene chloride in sample 09FEB06.D from x, y = 3.283, 0 to 3.380, 0; result = 1381			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:59:29 AM	Manually integrate qualifier84.0 of compound Methylene chloride in sample 09FEB06.D from x, y = 3.291, 0 to 3.380, 0; result = 894			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 10:59:31 AM	Manually integrate qualifier86.0 of compound Methylene chloride in sample 09FEB06.D from x, y = 3.299, 0 to 3.386, 0; result = 406			✓	
CmdSetTargetCompoun dAttribute	BL2000\mchavez	2/14/2022 10:59:45 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB06.D; previous value =			✓	
CmdManuallyIntegrateP eak	BL2000\mchavez	2/14/2022 11:00:04 AM	Manually integrate compound Chloroform in sample 09FEB06.D from x, y = 5.611, 0 to 5.686, 0; result = 686			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\mchavez	2/14/2022 11:00:07 AM	Manually integrate qualifier85.0 of compound Chloroform in sample 09FEB06.D from x, y = 5.608, -19 to 5.689, 0; result = 317			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 11:00:11 AM	Manually integrate qualifier 85.0 of compound Chloroform in sample 09FEB06.D, from x, y = 5.600, 0 to 5.689, 0, result = 271; previous integration is from x, y = 5.608, -19 to 5.689, 0 and previous response = 317.			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 11:00:24 AM	Set UserAnnotation = NI for compound Chloroform in sample 09FEB06.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\mchavez	2/14/2022 11:01:02 AM	Manually integrate compound Toluene in sample 09FEB06.D from x, y = 8.369, 0 to 8.416, 0; result = 113			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\mchavez	2/14/2022 11:01:05 AM	Manually integrate qualifier91.0 of compound Toluene in sample 09FEB06.D from x, y = 8.363, 0 to 8.408, 0; result = 234			✓	
CmdZeroOutPeak	BL2000\mchavez	2/14/2022 11:01:11 AM	Zero out primary peak of compound Toluene in sample 09FEB06.D			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 11:01:44 AM	Set UserDefined = Qualifier ratio did not meet method criteria for Toluene for sample 09FEB06.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 11:02:29 AM	Set SampleApproved = True for sample 09FEB06.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 11:03:53 AM	Set SampleApproved = True for sample 09FEB04.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 11:05:07 AM	Set SampleApproved = True for sample 09FEB03.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 11:05:15 AM	Set SampleApproved = True for sample 09FEB02.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\mchavez	2/14/2022 11:08:08 AM	Set SampleInformation = for sample 09FEB26.D; previous value = CC			✓	
CmdQuantitate	BL2000\mchavez	2/14/2022 11:08:29 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 11:15:33 AM	Set UserAnnotation = NI for compound Methylene chloride in sample 09FEB08.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 11:16:16 AM	Set UserAnnotation = for compound Tetrachloroethene in sample 09FEB12.D; previous value = NI			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 11:16:46 AM	Set UserAnnotation = NI for compound Chloroform in sample 09FEB16.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 11:17:09 AM	Set UserAnnotation = NI for compound Chloroform in sample 09FEB19.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 11:17:13 AM	Set UserAnnotation = NI for compound Toluene in sample 09FEB19.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\mchavez	2/14/2022 11:17:41 AM	Set UserAnnotation = NI for compound Chloroform in sample 09FEB22.D; previous value =			✓	
CmdQuantitate	BL2000\mchavez	2/14/2022 11:32:51 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\mchavez	2/14/2022 11:58:17 AM	Replace level QC with QC sample 09FEB04.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Chloroform}; Replace level CC with CC sample 09FEB03.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Trichloroethane, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane, Chloroform};				
CmdQuantitate	BL2000\mchavez	2/14/2022 11:58:37 AM	Quantitate all compounds in all samples			✓	
CmdQuantitate	BL2000\mchavez	2/14/2022 11:59:54 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	2/14/2022 12:00:35 PM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
GenerateReport	BL2000\mchavez	2/14/2022 12:01:20 PM	Generates report - Method: \\MASSHUNTER\Org\reports\LevelIV_Reports\SampleSequence\CC_mid_rpt.m, Output Path: D:\Org\Data\VOA5975C\VG020922\QuantReports\VG020922_8260B			✓	
CmdOpenBatchTable	BL2000\mchavez	2/14/2022 12:37:14 PM	Open batch D:\Org\Data\VOA5975C\VG020922\VG020922_8260B.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\mchavez	2/14/2022 12:46:59 PM	Replace level CC with CC sample 09FEB26.D for compounds {1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 4-Chlorotoluene, 2-Chlorotoluene, 1,2,3-Trichloropropane, 1,1,2,2-Tetrachloroethane, Bromobenzene, p-Bromofluorobenzene, Bromoform, Styrene, o-Xylene, m+p-Xylenes, Ethylbenzene, 1,1,1,2-Tetrachloroethane, Chlorobenzene, 1,2-Dibromoethane, Chlorodibromomethane, 1,3-Dichloropropane, Tetrachloroethene, 1,1,2-Trichloroethane, trans-1,3-Dichloropropene, Toluene, Toluene-d8, cis-1,3-Dichloropropene, Bromodichloromethane, Dibromomethane, 1,2-Dichloropropane, Trichloroethene, 1,2-Dichloroethane, Benzene, 1,2-Dichloroethane-d4, 1,1-Dichloropropene, Carbon tetrachloride, Dibromofluoromethane, 1,1,1-Trichloroethane, Chloroform, Bromochloromethane, Methyl ethyl ketone, cis-1,2-Dichloroethene, 2,2-Dichloropropane, 1,1-Dichloroethane, Methyl tert-butyl ether (MTBE), trans-1,2-Dichloroethene, Methylene chloride, 1,1-Dichloroethene, Trichlorofluoromethane, Chloroethane, Bromomethane, Vinyl chloride, Chloromethane, Dichlorodifluoromethane};			✓	
CmdQuantitate	BL2000\mchavez	2/14/2022 12:47:23 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\mchavez	2/14/2022 12:47:41 PM	Save batch D:\Org\Data\VOA5975C\VG020922\QuantResults\VG020922_8260B.batch.bin			✓	
GenerateReport	BL2000\mchavez	2/14/2022 12:48:18 PM	Generates report - Method: \\MASSHUNTER\Org\reports\LevelIV_Reports\SampleSequence\CC_mid_rpt.m, Output Path: D:\Org\Data\VOA5975C\VG020922\QuantReports\VG020922_8260B-1			✓	

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Standard ID: VOCF0313
Standard Name: Liquids
Type: Primary
Prep Date: 6/23/2020
Prep By: Alethea M. Shaules
Exp Date: 4/13/2023
Status: New
Department: gcmsvoa
Vendor: AccuStd
Final Volume: 10 mL
Lot Number: 220041126
Balance ID:
Comments: Date Prepared is same as Date Received. 2,000 ug/mL. Catalog # M502A-R-10X. Corrected lot number to match CI. MSC 01/14/2022

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Volatile Organic Compounds - Liquids	12797	1	mL	4/13/2023

Stock Source	Base Units	Amount Added
VOCF0313	ug/mL	

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Spike ID: VOCF0352
Spike Name: 2nd Source Liquids
Prep Date: 11/23/2020
Exp Date: 12/31/2023
Department: gcmsvoa
Vendor: Agilent
Lot Number: 0006570990
Balance ID:
Type: Primary
Prep By: Steve Dilts
Status: New
Final Volume: 10 mL
Comments: Date Prepared is same as Date Received. 2000 ug/mL in MeOH. Catalog # DWM-589N-1.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
VOC Standard	13292	1	mL	12/31/2023

Stock Source	Base Units	Amount Added
VOCF0352	ug/mL	

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Standard ID: VOCF0373
Standard Name: MtBE (Methy tert-Butyl Ether)
Type: Primary
Prep Date: 2/26/2021
Prep By: Steve Dilts
Exp Date: 8/31/2022
Status: New
Department: gcmsvoa
Vendor: Agilent
Final Volume: 5 mL
Lot Number: 0006555762
Balance ID:
Comments: Date Prepared is same as Date Received. 2000 ug/mL in MeOH. Catalog # STS-440

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methyl tert-Butyl Ether Standard	13578	1	mL	8/31/2022

Stock Source	Base Units	Amount Added
VOCF0373	ug/mL	

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Spike ID: VOCF0401
Spike Name: 2nd Source MtBE
Prep Date: 6/7/2021
Exp Date: 12/11/2029
Department: gcmsvoa
Vendor: AccuStandard
Lot Number: 220051182
Balance ID:
Type: Primary
Prep By: Alethea M. Shaules
Status: New
Final Volume: 5 mL
Comments: Date Prepared is same as Date Receive. 2,000 ug/mL in MeOH. Catalog # S-078-10X.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
MTBE	13920	1	mL	12/11/2029

Stock Source	Base Units	Amount Added
VOCF0401	ug/mL	

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Spike ID: VOCF0417
Spike Name: Chem Service Gases
Prep Date: 8/3/2021
Exp Date: 2/28/2022
Department: gcmsvoa
Vendor: Chemservice
Lot Number: 11882100
Balance ID:
Type: Primary
Prep By: Steve Dilts
Status: New
Final Volume: 5 mL
Comments: Date Prepared is same as Date Received. 2000 ug/mL in MeOH. Catalog # M-VOHC6M5-1ML

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Volatile Organics High Concentration Mixture #6	14142	5	mL	2/28/2022

Stock Source	Base Units	Amount Added
VOCF0417	ug/mL	

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Standard ID: VOCF0425
Standard Name: Internals
Type: Primary
Prep Date: 9/8/2021
Prep By: Jerran D. Brenden
Exp Date: 12/31/2022
Status: New
Department: gcmsvoa
Vendor: Agilent
Final Volume: 10 mL
Lot Number: 0006582580
Balance ID:
Comments: Date Prepared is same as Date Received. 2,500 ug/mL in MeOH. Catalog # STM-520-1.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Internal Standard	14251	1	mL	12/31/2022

Stock Source	Base Units	Amount Added
VOCF0425	ug/mL	

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Spike ID: VOCF0426
Spike Name: Surrogates 2.0 mg/mL
Type: Primary
Prep Date: 9/14/2021
Prep By: Jerran D. Brenden
Exp Date: 4/18/2029
Status: New
Department: gcmsvoa
Vendor: AccuStandard
Final Volume: 10 mL
Lot Number: 219041458
Balance ID:
Comments: Date Received 01/04/2021. 2.0 mg/mL. Catalog # M-8260A-B-SS-10X

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Surrogate Standard Mix	14269	1	mL	4/18/2029

Stock Source	Base Units	Amount Added
VOCF0426	ug/mL	

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Standard ID: VOCF0427
Standard Name: Gases
Type: Primary
Prep Date: 9/17/2021
Prep By: Alethea M. Shaules
Exp Date: 8/3/2024
Status: New
Department: gcmsvoa
Vendor: Absolute
Final Volume: 10 mL
Lot Number: 080321
Balance ID:
Comments: Date Prepared is same as Date Received. 2,000 ug/mL in MeOH. Catalog # 30058.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
EPA Method 502-524 - Volatile Gases Mix #1	14285	1	mL	8/3/2024

Stock Source	Base Units	Amount Added
VOCF0427	ug/mL	

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Standard ID: VOCF0434
Standard Name: Ketones
Type: Primary
Prep Date: 10/26/2021
Prep By: Steve Dilts
Exp Date: 6/30/2023
Status: New
Department: gcmsvoa
Vendor: Chem Service
Final Volume: 5 mL
Lot Number: 10251200
Balance ID:
Comments: Date Prepared is same as Date Received. 2,000 ug/mL in 90:10 MeOH:H2O. Catalog # M-TCL-1AN5-5ML.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL Ketone Mix	14443	1	mL	6/30/2023

Stock Source	Base Units	Amount Added
VOCF0434	ug/mL	

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Standard ID: VOCF0440
Standard Name: 2nd Source High Concentration Ketones
Type: Primary
Prep Date: 12/3/2021
Prep By: Melissa Chavez
Exp Date: 1/1/2023
Status: New
Department: gcmsvoa
Vendor: AccuStandard
Final Volume: 5 mL
Lot Number: 221111486
Balance ID:
Comments: Date Prepared is same as Date Received. 20,000 ug/mL in Methanol. Catalog # CLP-022K-100X.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL Ketone Mix	14585	1	mL	1/1/2023

Stock Source	Base Units	Amount Added
VOCF0440	ug/mL	

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Spike ID: VOCF3517
Spike Name: Internal Standard / Surrogates (INT/SURR)
Type: Secondary
Prep Date: 11/10/2021
Prep By: Alethea M. Shaules
Exp Date: 12/31/2022
Status: New
Department: gcmsvoa
Vendor:
Final Volume: 100 mL
Lot Number:
Balance ID:
Comments: Final Concentration 0.05 ug/uL in MeOH.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap - EB199-US	14334	95.5	mL	12/31/2022

Stock Source	Base Units	Amount Added
VOCF0425	ug/mL	2 mL
VOCF0426	ug/mL	2.5 mL

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Spike ID: VOCF3529B
Spike Name: 2nd Source MtBE
Prep Date: 11/29/2021
Exp Date: 1/29/2022
Department: gcmsvoa
Vendor:
Lot Number:
Balance ID:
Comments: Final Concentration 0.2 ug/uL

Type: Secondary
Prep By: Alethea M. Shaules
Status:
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap - EB199-US	14334	9	mL	1/29/2022

Stock Source	Base Units	Amount Added
VOCF0401	ug/mL	1 mL

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Standard ID: VOCF3546B
Standard Name: Liquids
Type: Secondary
Prep Date: 12/13/2021
Prep By: Alethea M. Shaules
Exp Date: 2/13/2022
Status:
Department: GCMSVOA
Vendor:
Final Volume: 10 mL
Lot Number:
Balance ID:
Comments: 1.0 ml/10 ml final volume. Final Concentration 0.2 ug/uL. Corrected comment and analyte list 11/9/2021 sbd

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EA899	13926	9	mL	2/13/2022

Stock Source	Base Units	Amount Added
VOCF0313	ug/mL	1 mL

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Spike ID: VOCF3558B
Spike Name: 2nd Source Liquids
Prep Date: 12/27/2021
Exp Date: 2/27/2022
Department: gcmsvoa
Vendor:
Lot Number:
Balance ID:
Comments: Final Concentration 0.2ug/uL.

Type: Secondary
Prep By: Steve Dilts
Status: Open
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap - EB199-US	14334	9	mL	2/27/2022

Stock Source	Base Units	Amount Added
VOCF0352	ug/mL	1 mL

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Standard ID: VOCF3559A
Standard Name: MtBE
Type: Secondary
Prep Date: 12/27/2021
Prep By: Melissa Chavez
Exp Date: 1/27/2022
Status:
Department: gcmsvoa
Vendor:
Final Volume: 10 mL
Lot Number:
Balance ID:
Comments: Final Concentration 0.2 ug/uL.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap - EB199-US	14334	9	mL	1/27/2022

Stock Source	Base Units	Amount Added
VOCF0373	ug/mL	1 mL

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Standard ID: VOCF3563
Standard Name: Internals
Prep Date: 1/3/2022
Exp Date: 7/3/2022
Department: gcmsvoa
Vendor:
Lot Number:
Balance ID:
Comments: Final Concentration 0.05 ug/uL.

Type: Secondary
Prep By: Alethea M. Shaules
Status: New
Final Volume: 50 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	49	mL	7/3/2022

Stock Source	Base Units	Amount Added
VOCF0425	ug/mL	1 mL

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Spike ID: VOCF3567A
Spike Name: 2nd Source Ketones
Prep Date: 1/12/2022
Exp Date: 2/12/2022
Department: gcmsvoa
Vendor: AccuStandard
Lot Number: 221111486
Balance ID:
Comments: 2.0 ug/uL in 90:10 MeOH:H2O

Type: Secondary
Prep By: Melissa Chavez
Status:
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	9	mL	2/12/2022

Stock Source	Base Units	Amount Added
VOCF0440	ug/mL	1 mL

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Standard ID: VOCF3569
Standard Name: Ketones
Type: Primary
Prep Date: 1/17/2022
Prep By: Melissa Chavez
Exp Date: 2/17/2022
Status: Open
Department: gcmsvoa
Vendor: Chem Service
Final Volume: 1 mL
Lot Number: 10251200
Balance ID:
Comments: Vial Opened For Use . 2.0 ug/uL in 90:10 MeOH:H2O.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL Ketone Mix	14443	1	mL	2/17/2022

Stock Source	Base Units	Amount Added
VOCF0434	ug/mL	1 mL

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Standard ID: VOCF3570A
Standard Name: Gases
Type: Secondary
Prep Date: 1/18/2022
Prep By: Melissa Chavez
Exp Date: 1/25/2022
Status:
Department: GCMSVOA
Vendor:
Final Volume: 10 mL
Lot Number:
Balance ID:
Comments: 1.0 ml/10 ml final volume. Final Concentration 0.2 ug/uL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	9	mL	1/25/2022

Stock Source	Base Units	Amount Added
VOCF0427	ug/mL	1 mL

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Spike ID: VOCF3571A
Spike Name: 2nd Source Gases
Prep Date: 1/19/2022
Exp Date: 1/26/2022
Department: gcmsvoa
Vendor:
Lot Number:
Balance ID:
Comments: 1.0 ml/10 ml final volume. Final Concentration 0.2 ug/uL.

Type: Secondary
Prep By: Melissa Chavez
Status:
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	9	mL	1/26/2022

Stock Source	Base Units	Amount Added
VOCF0417	ug/mL	1 mL

Analytical RunID VOA5975C.I_220119A Standards Traceability Report

Standard ID: VOCF3573
Standard Name: Calibration Surrogates
Type: Secondary
Prep Date: 1/19/2022
Prep By: Jerran D. Brenden
Exp Date: 7/19/2022
Status: New
Department: gcmsvoa
Vendor:
Final Volume: 5 mL
Lot Number:
Balance ID:
Comments: Final Concentration 0.2 ug/uL in MeOH

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap - EB679	14746	4.5	mL	7/19/2022

Stock Source	Base Units	Amount Added
VOCF0426	ug/mL	0.5 mL

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CERTIFICATE OF ANALYSIS

Catalog No: M-502A-R-10X
Description: Volatile Organic Compounds - Liquids
Lot: 220041126
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Apr 13, 2020
Expiration: Apr 13, 2023
Sample Size: 1 mL
Components: 54
Storage Condition: Refrig (0-5 °C)

Certified Reference Material

ANAB ACCREDITED AR-1463 ANAB ACCREDITED AT-1339 ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
Benzene	71-43-2	100.0	2002	2002
Bromobenzene	108-86-1	100.0	2003	2003
Bromochloromethane	74-97-5	99.1	2001	1983
Bromodichloromethane	75-27-4	99.0	2002	1982
Bromoform	75-25-2	99.2	2001	1985
n-Butylbenzene	104-51-8	100.0	2002	2002
sec-Butylbenzene	135-98-8	100.0	2001	2001
tert-Butylbenzene	98-06-6	99.0	2003	1983
Carbon tetrachloride	56-23-5	100.0	2003	2003
Chlorobenzene	108-90-7	99.6	2001	1993
Chloroform	67-66-3	99.2	2004	1988
2-Chlorotoluene	95-49-8	99.0	2003	1983
4-Chlorotoluene	106-43-4	99.8	2002	1998
Dibromochloromethane	124-48-1	97.8	2049*	2004
1,2-Dibromo-3-chloropropane	96-12-8	99.2	2001	1985
1,2-Dibromoethane	106-93-4	100.0	2006	2006
Dibromomethane	74-95-3	99.0	2002	1982
1,2-Dichlorobenzene	95-50-1	98.2	2003	1967
1,3-Dichlorobenzene	541-73-1	100.0	2000	2000
1,4-Dichlorobenzene	106-46-7	100.0	2002	2002
1,1-Dichloroethane	75-34-3	98.6	2001	1973
1,2-Dichloroethane	107-06-2	99.8	2010	2006
1,1-Dichloroethene	75-35-4	99.0	2000	1980
cis-1,2-Dichloroethene	156-59-2	99.0	2002	1982
trans-1,2-Dichloroethene	156-60-5	99.5	2001	1991
1,2-Dichloropropane	78-87-5	99.5	2003	1993
1,3-Dichloropropane	142-28-9	96.7	2073*	2005
2,2-Dichloropropane	594-20-7	99.9	2012	2010
1,1-Dichloropropene	563-58-6	98.9	2001	1979
cis-1,3-Dichloropropene **	10061-01-5	93.9	2041*	1916
trans-1,3-Dichloropropene **	10061-02-6	93.9	1968*	1848
Ethylbenzene	100-41-4	99.7	2000	1994
Hexachlorobutadiene	87-68-3	98.0	2003	1963
Isopropylbenzene	98-82-8	100.0	2002	2002
p-Isopropyltoluene	99-87-6	99.4	2000	1988
Methylene chloride	75-09-2	99.9	2001	1999
Naphthalene	91-20-3	100.0	2002	2002
n-Propylbenzene	103-65-1	100.0	2001	2001
Styrene	100-42-5	100.0	2003	2003
1,1,1,2-Tetrachloroethane	630-20-6	98.9	2005	1983
1,1,2,2-Tetrachloroethane	79-34-5	96.0	2087*	2004
Tetrachloroethene	127-18-4	99.4	2017	2005
Toluene	108-88-3	100.0	2001	2001
1,2,3-Trichlorobenzene	87-61-6	100.0	2002	2002

For use in routine laboratory analysis.

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www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: M-502A-R-10X
Description: Volatile Organic Compounds - Liquids
Lot: 220041126
Solvent: Methanol

Date Certified: Apr 13, 2020
Expiration: Apr 13, 2023
Sample Size: 1 mL
Components: 54

Component - *continued*	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
1,2,4-Trichlorobenzene	120-82-1	99.6	2001	1993
1,1,1-Trichloroethane	71-55-6	100.0	2002	2002
1,1,2-Trichloroethane	79-00-5	98.6	2000	1972
Trichloroethene	79-01-6	100.0	2003	2003
1,2,3-Trichloropropane	96-18-4	97.5	2055*	2004
1,2,4-Trimethylbenzene	95-63-6	98.2	2001	1965
1,3,5-Trimethylbenzene	108-67-8	98.8	2001	1977
o-Xylene	95-47-6	99.0	2000	1980
m-Xylene	108-38-3	99.2	2002	1986
p-Xylene	106-42-3	95.4	2097*	2001

* Weight compensated to 100% purity.

** 47.8% cis isomer, 46.1% trans isomer

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Certified By: Larry Decker, Organic QC Manager

ID #: 12797
Opened:_____
Volatile Organic Compounds - Liquids
Expires: 4/13/2023
Rec'd: 6/23/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

QR-ORG/INO-001
Rev. 5/18

Agilent

ID #: 13292
Opened:
VOC Standard
Expires: 12/31/2023
Rec'd: 11/23/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certificate of Analysis

Product Name: VOC Standard

Product Number: DWM-589N-1

Lot Number: 0006570990

Lot Issue Date: 17-Nov-2020

Expiration Date: 31-Dec-2023

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
bromochloromethane	000074-97-5	RM00009	2010 ± 10 µg/mL
bromodichloromethane	000075-27-4	RM12585	2009 ± 10 µg/mL
bromoform	000075-25-2	RM13987	2010 ± 10 µg/mL
carbon tetrachloride	000056-23-5	RM07576	2010 ± 10 µg/mL
chloroform	000067-66-3	RM13988	2009 ± 10 µg/mL
dibromochloromethane	000124-48-1	RM14843	2009 ± 10 µg/mL
dibromomethane	000074-95-3	RM12878	2009 ± 10 µg/mL
methylene chloride	000075-09-2	RM11650	2009 ± 10 µg/mL
1,2-dibromoethane	000106-93-4	RM00018	2010 ± 10 µg/mL
1,1-dichloroethane	000075-34-3	RM16217	2006 ± 10 µg/mL
1,2-dichloroethane	000107-06-2	RM04655	2005 ± 10 µg/mL
1,1-dichloroethene	000075-35-4	RM14486	2010 ± 10 µg/mL
cis-1,2-dichloroethene	000156-59-2	RM15008	2007 ± 10 µg/mL
trans-1,2-dichloroethene	000156-60-5	RM07565	2008 ± 10 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	RM12632	2005 ± 10 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	RM02540	2009 ± 10 µg/mL
tetrachloroethene	000127-18-4	RM06491	2008 ± 10 µg/mL

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
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www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Certificate of Analysis

Product Number: DWM-589N-1

Lot Number: 0006570990

1,1,1-trichloroethane	000071-55-6	RM16539	2004 ± 10 µg/mL
1,1,2-trichloroethane	000079-00-5	RM01175	2009 ± 10 µg/mL
trichloroethene	000079-01-6	RM14232	2009 ± 10 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	RM13666	2009 ± 10 µg/mL
1,2-dichloropropane	000078-87-5	RM12821	2008 ± 10 µg/mL
1,3-dichloropropane	000142-28-9	RM02080	2008 ± 10 µg/mL
2,2-dichloropropane	000594-20-7	RM12927	2005 ± 10 µg/mL
1,1-dichloropropene	000563-58-6	RM16190	2010 ± 10 µg/mL
cis-1,3-dichloropropene	010061-01-5	RM12891	2007 ± 10 µg/mL
trans-1,3-dichloropropene	010061-02-6	RM12254	2006 ± 10 µg/mL
hexachlorobutadiene	000087-68-3	RM09157	2005 ± 10 µg/mL
1,2,3-trichloropropane	000096-18-4	RM13082	2004 ± 10 µg/mL
benzene	000071-43-2	RM12931	2009 ± 10 µg/mL
n-butylbenzene	000104-51-8	RM03651	2008 ± 10 µg/mL
sec-butylbenzene	000135-98-8	RM10905	2005 ± 10 µg/mL
tert-butylbenzene	000098-06-6	RM14040	2007 ± 10 µg/mL
ethylbenzene	000100-41-4	RM12195	2006 ± 10 µg/mL
isopropylbenzene	000098-82-8	RM00835	2009 ± 10 µg/mL
4-isopropyltoluene	000099-87-6	RM09747	2009 ± 10 µg/mL
naphthalene	000091-20-3	NT00970	2006 ± 10 µg/mL
n-propylbenzene	000103-65-1	RM12785	2010 ± 10 µg/mL
styrene	000100-42-5	RM13393	2010 ± 10 µg/mL

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER

ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

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CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

ISO 17025 Cert
No. AT-1937

Agilent

Certificate of Analysis

Product Number: DWM-589N-1

Lot Number: 0006570990

toluene	000108-88-3	RM06650	2008 ± 10 µg/mL
1,2,4-trimethylbenzene	000095-63-6	RM06731	2002 ± 10 µg/mL
1,3,5-trimethylbenzene	000108-67-8	RM12905	2009 ± 10 µg/mL
o-xylene	000095-47-6	RM15639	2005 ± 10 µg/mL
m-xylene	000108-38-3	RM15919	2006 ± 10 µg/mL
p-xylene	000106-42-3	RM02647	2009 ± 10 µg/mL
bromobenzene	000108-86-1	RM10227	2008 ± 10 µg/mL
chlorobenzene	000108-90-7	RM01874	2008 ± 10 µg/mL
2-chlorotoluene	000095-49-8	RM13774	2007 ± 10 µg/mL
4-chlorotoluene	000106-43-4	RM11750	2009 ± 10 µg/mL
1,2-dichlorobenzene	000095-50-1	RM13636	2005 ± 10 µg/mL
1,3-dichlorobenzene	000541-73-1	NT00356	2009 ± 10 µg/mL
1,4-dichlorobenzene	000106-46-7	RM12826	2009 ± 10 µg/mL
1,2,3-trichlorobenzene	000087-61-6	RM10193	2007 ± 10 µg/mL
1,2,4-trichlorobenzene	000120-82-1	RM09454	2009 ± 10 µg/mL

Matrix: methanol (methyl alcohol)

Storage Conditions: Store Frozen (-25° to -10°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

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CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Certificate of Analysis

Product Number: DWM-589N-1

Lot Number: 0006570990

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
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ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert
No. AT-1937

Agilent

ID #: 13578
Opened:
Methyl tert-Butyl Ether Standard
Expires: 8/31/2022
Rec'd: 2/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certificate of Analysis

Product Name: Methyl tert-Butyl Ether Standard

Product Number: STS-440-1

Lot Number: 0006555762

Lot Issue Date: 19-Aug-2020

Expiration Date: 31-Aug-2022

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system, and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
tert-butylmethyl ether	001634-04-4	RM06568	2006 ± 10 µg/mL

Matrix: methanol (methyl alcohol)

Storage Conditions: Store Frozen (-25° to -10°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
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ISO 17025 Cert No. AT-1937

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CERTIFICATE OF ANALYSIS

Catalog No: S-078-10X
Description: MtBE
Lot: 220051182
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: May 18, 2020
Expiration: May 18, 2030
Sample Size: 1 mL
Components: 1
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
MtBE	1634-04-4	100.0	2002	2002

ID #: 13920
Opened:_____
MTBE
Expires: 5/18/2030
Rec'd: 6/7/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____
Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

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info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Volatile Organics High Concentration Mixture #6

CONCENTRATION	2000ug/ml in Methanol
CATALOG NUMBER	M-VOHC6M5-1ML
LOT NUMBER	11882100
DATE CERTIFIED	05/25/21
EXPIRATION DATE	02/28/22
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratoy use only.
ISO 17034:2016 CERTIFIED	[ ]

ID #: 14142
Opened:
Volatile Organics High Concentration Mixture
Expires: 2/28/2022
Rec'd: 8/3/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ID	Analyte	CAS	Weight Analyte (mg)	Lot	Purity	Certified Concentration (ug/mL)
N-11446	Chloroethane	75-00-3	96.300	00001728	100.0	2006.3
N-11665	Dichlorodifluoromethane	75-71-8	96.610	00001729	100.0	2012.7
N-12417	Methyl bromide	74-83-9	96.910	00024694	100.0	2019.0
N-12421	Methyl chloride	74-87-3	96.150	00001731	100.0	2003.1
N-13655	Trichlorofluoromethane	75-69-4	96.300	00027239	99.4	1994.2
N-13748	Vinyl chloride	75-01-4	96.150	00019298	100.0	2003.1

Analytical Test	Value
CONCENTRATION (GC/MSD)	VERIFIED

COA Form
Revision 3 (3/2015)

PJLA Testing
Accreditation #63329

Print Date: 07/28/21

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info@chemservice.com • www.chemservice.com

Instructions for Use:
Shake mixture prior to use. If particles are present, sonicate for homogeneity. If sample is diluted to lower concentrations, Class A volumetric glassware must be used.
Minimum Sample Size- 0.2 uL for Direct Injection.
Chem Service Inc. guarantees the expanded uncertainty of the above analytes to be +/- 2.0% of the certified concentrations based on gravimetric preparation. The test results published in this report were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). The reported expanded uncertainty of measurement is stated as the combined standard uncertainty of measurement multiplied by the coverage factor k (k=2) such that the coverage probability corresponds to approximately 95%. For certified reference materials, homogeneity and thermal stability testing are available upon request.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

PJLA
Testing

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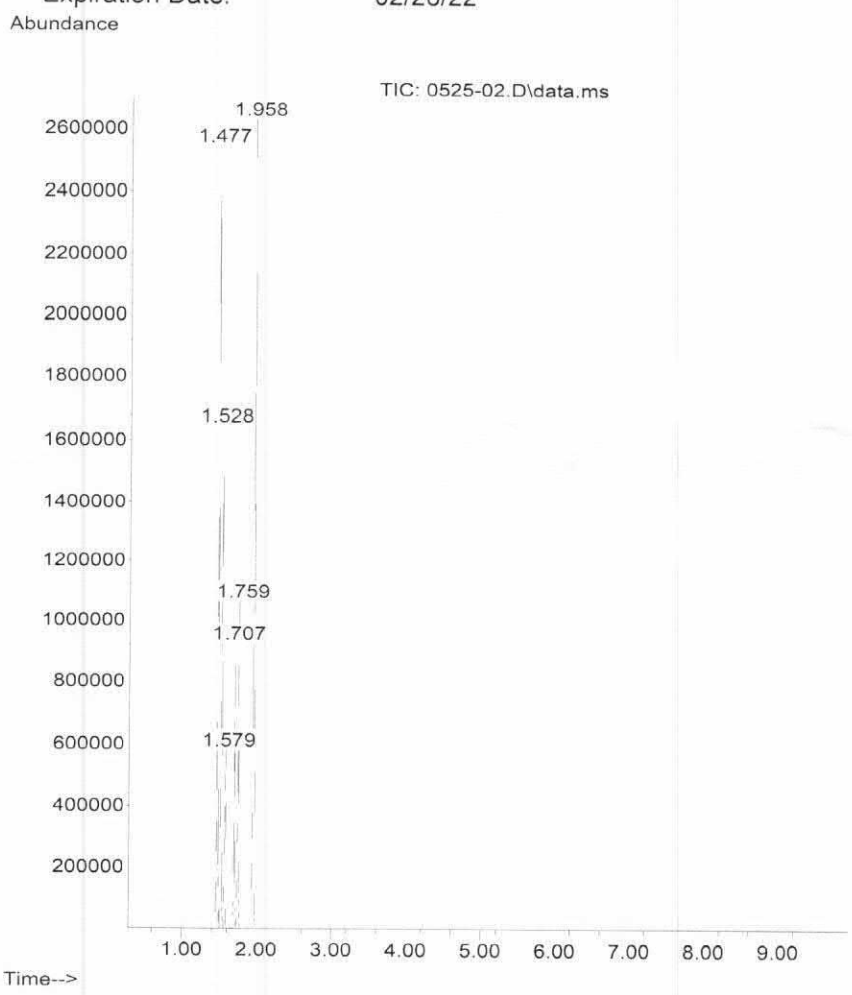
CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	M-VOHC6M5-1ML
Description:	Volatile Organics High Concentration Mixture #6
Lot Number:	11882100
Expiration Date:	02/28/22



PJLA Testing

ID #: 14251
Opened:
Internal Standard
Expires: 12/31/2022
Rec'd: 9/8/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Agilent

Certificate of Analysis

Product Name: Internal Standard

Product Number: STM-520-1

Lot Number: 0006582580

Lot Issue Date: 05-Jan-2021

Expiration Date: 31-Dec-2022

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
chlorobenzene-d5	003114-55-4	RM12274	2501 ± 13 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM12517	2501 ± 13 µg/mL
fluorobenzene	000462-06-6	RM13378	2512 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage Conditions: Store Frozen (-25° to -10°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 2
www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Agilent

Certificate of Analysis

Product Number: STM-520-1 **Lot Number:** 0006582580

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert
No. AT-1937

125 Market Street
New Haven, CT 06513
USA

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Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: M-8260A-B-SS-10X
Description: Surrogate Standard Mix
Lot: 219041458
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Apr 18, 2019
Expiration: Apr 18, 2029
Sample Size: 1 mL
Components: 4
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
p-Bromofluorobenzene	460-00-4	99.9	2004	2002
Dibromofluoromethane	1868-53-7	99.8	2005	2001
1,2-Dichloroethane-d4	17060-07-0	100.0	2001	2001
Toluene-d8	2037-26-5	100.0	2000	2000

ID #: 14269
Opened:_____
Surrogate Standard Mix
Expires: 4/18/2029
Rec'd: 9/14/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 30058
Lot Number: 080321
Description: EPA Method 502/524 - Volatile Gases Mix #1
6 components
Expiration Date: 080324
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent: Methanol **Lot#** EA783-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 500.0 0.058 Flask Uncertainty

Formulated By:	Mario Luis	080321 DATE
Reviewed By:	Pedro L. Rentas	080321 DATE

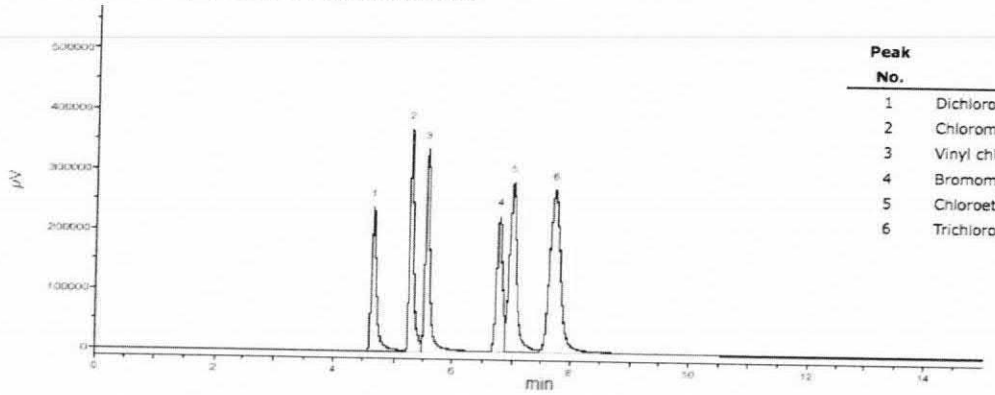
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Bromomethane	50	01611JX	2000	99.5	0.2	1.00508	1.0098	2009.4	8.1	74-83-9	5 ppm (20mg/m3/8H) (skin)	orl-rat 214mg/kg
2. Chloroethane	72	062617	2000	99	0.2	1.01016	1.0146	2008.8	8.1	75-00-3	1000 ppm (2600mg/m3/8H)	N/A
3. Chloromethane	79	06908MS	2000	99.5	0.2	1.00508	1.0154	2020.5	8.1	74-87-3	100 ppm	orl-rat 1800mg/kg
4. Dichlorodifluoromethane	134	92-0487	2000	99	0.2	1.01016	1.0224	2024.2	8.2	75-71-8	1000 ppm (4950mg/m3/8H)	N/A
5. Trichlorofluoromethane	294	01823MW	2000	99	0.2	1.01016	1.0110	2001.7	8.1	75-69-4	1000 ppm (5600mg/m3/8H)	ipr-mus 1743mg/kg
6. Vinyl chloride	305	04854EA	2000	99.5	0.2	1.00508	1.0071	2004.0	8.1	75-01-4	N/A	N/A

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC15-M9 Analysis by Melissa Stonier
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=150mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=40mL/min., Hydogen(make-up)=100mL/min.
Oven Profile: Temp. 1=35°C (Time 1=9 min.), Temp 2=200°C (Time 2=1 min.),
Rate = 33°C/min., Total run time=15 min. Injector temp.=200°C, FID Temp.=200°C.
ELCD Signal = Edaq Channel 1 PID Signal = Edaq Channel 2
Standard injection = 0.5µL, Range=3 Purge Valve = 0 min.

ID #: 14285
Opened: _____
EPA Method 502-524 - Volatile Gases Mix #1
Expires: 8/3/2024
Rec'd: 9/17/2021
Enerav Laboratories Inc 1120 So. 27th Street
Billings MT 59107



Peak No.	Analyte	ELCD RT (min.)
1	Dichlorodifluoromethane	4.67
2	Chloromethane	5.28
3	Vinyl chloride	5.56
4	Bromomethane	6.75
5	Chloroethane	6.99
6	Trichlorofluoromethane	7.72

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ID #: 14443
Opened:
TCL Ketone Mix
Expires: 6/30/2023
Rec'd: 10/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFICATE OF ANALYSIS

TCL Ketones Mixture

CONCENTRATION	2000ug/ml in Methanol:Water (90:10)
CATALOG NUMBER	M-TCL1AN5-1ML
LOT NUMBER	10251200
DATE CERTIFIED	06/16/20
EXPIRATION DATE	06/30/23
STORAGE	Freezer storage (-20 - -25 °C)
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.
ISO 17034:2016 CERTIFIED	[ ]

ID	Analyte	CAS	Weight Analyte (mg)	Lot	Purity	Certified Concentration (ug/mL)
N-11014	Acetone	67-64-1	203.300	00026182	98.7	2006.6
N-10297	2-Butanone	78-93-3	202.800	00027454	99.5	2017.9
N-10369	2-Hexanone	591-78-6	202.600	00025720	99.5	2015.9
N-10844	4-Methyl-2-pentanone	108-10-1	204.700	6403300	99.5	2036.8

Analytical Test	Value
CONCENTRATION (GC/FID)	VERIFIED

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.

PJLA Testing

PJLA Reference Material Producer

COA Form
Revision 3 (3/2015)

Print Date: 10/22/21

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Instructions for Use:
Shake mixture prior to use. If particles are present, sonicate for homogeneity. If sample is diluted to lower concentrations, Class A volumetric glassware must be used.
Minimum Sample Size- 0.2 uL for Direct Injection.
Chem Service Inc. guarantees the expanded uncertainty of the above analytes to be +/- 2.0% of the certified concentrations based on gravimetric preparation. The test results published in this report were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). The reported expanded uncertainty of measurement is stated as the combined standard uncertainty of measurement multiplied by the coverage factor k (k=2) such that the coverage probability corresponds to approximately 95%. For certified reference materials, homogeneity and thermal stability testing are available upon request.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.

PJLA Testing

PJLA Reference Material Producer

CHEM SERVICE INC

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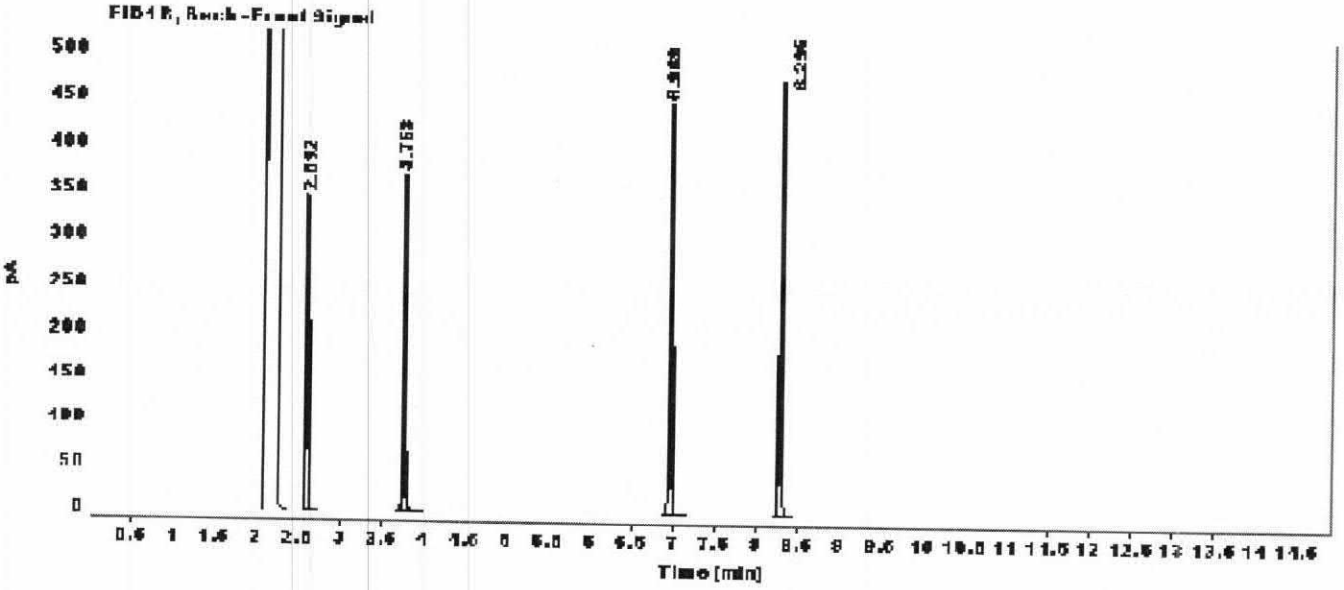
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2020 DATA\0620\M-TCL1AN5.D		
Sample name:	M-TCL1AN5		
Acq. method:	N-14276.M		
Instrument:	GC3	**Location:**	202
Injection date:	6/16/2020 2:52:35 PM	**Injection Vol:**	1.000
Column name:	RTx-5MS (30m x 0.25mm x 0.5µm)	**# Of Injections:**	1



Signal: FID1 B, Back - Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
2.592	BB	0.0277	580.2505	343.4966	18.4655
3.763	BB	0.0323	735.4804	367.8491	23.4054
6.989	BB	0.0326	904.3389	447.8770	28.7791
8.295	BB	0.0307	922.2798	474.3798	29.3500
		Sum	3142.3497		

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PJLA Testing

PJLA Reference Material Producer

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

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Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: CLP-022K-100X
Description: TCL Ketone Mix
Lot: 221111486
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Dec 1, 2021
Expiration: Jan 1, 2023
Sample Size: 1 mL
Components: 4
Storage Condition: Freeze (<-10 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (mg/mL)	Certified Analyte Concentration¹ (mg/mL)
Acetone	67-64-1	100.0	20.01	20.01
Methyl ethyl ketone	78-93-3	100.0	20.01	20.01
2-Hexanone	591-78-6	98.7	20.01	19.75
4-Methyl-2-pentanone	108-10-1	100.0	20.01	20.01

ID #: 14585
Opened:_____
TCL Ketone Mix
Expires: 1/1/2023
Rec'd: 12/3/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

This Certified Reference Material was verified in accordance with ISO/IEC 17025

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Standard ID: VOCF0313
Standard Name: Liquids
Type: Primary
Prep Date: 6/23/2020
Prep By: Alethea M. Shaules
Exp Date: 4/13/2023
Status: New
Department: gcmsvoa
Vendor: AccuStd
Final Volume: 10 mL
Lot Number: 220041126
Balance ID:
Comments: Date Prepared is same as Date Received. 2,000 ug/mL. Catalog # M502A-R-10X. Corrected lot number to match CI. MSC 01/14/2022

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Volatile Organic Compounds - Liquids	12797	1	mL	4/13/2023

Stock Source	Base Units	Amount Added
VOCF0313	ug/mL	

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Spike ID: VOCF0352
Spike Name: 2nd Source Liquids
Prep Date: 11/23/2020
Exp Date: 12/31/2023
Department: gcmsvoa
Vendor: Agilent
Lot Number: 0006570990
Balance ID:
Comments: Date Prepared is same as Date Received. 2000 ug/mL in MeOH. Catalog # DWM-589N-1.

Type: Primary
Prep By: Steve Dilts
Status: New
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
VOC Standard	13292	1	mL	12/31/2023

Stock Source	Base Units	Amount Added
VOCF0352	ug/mL	

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Standard ID: VOCF0373
Standard Name: MtBE (Methy tert-Butyl Ether)
Type: Primary
Prep Date: 2/26/2021
Prep By: Steve Dilts
Exp Date: 8/31/2022
Status: New
Department: gcmsvoa
Vendor: Agilent
Final Volume: 5 mL
Lot Number: 0006555762
Balance ID:
Comments: Date Prepared is same as Date Received. 2000 ug/mL in MeOH. Catalog # STS-440

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methyl tert-Butyl Ether Standard	13578	1	mL	8/31/2022

Stock Source	Base Units	Amount Added
VOCF0373	ug/mL	

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Spike ID: VOCF0401
Spike Name: 2nd Source MtBE
Prep Date: 6/7/2021
Exp Date: 12/11/2029
Department: gcmsvoa
Vendor: AccuStandard
Lot Number: 220051182
Balance ID:
Comments: Date Prepared is same as Date Receive. 2,000 ug/mL in MeOH. Catalog # S-078-10X.

Type: Primary
Prep By: Alethea M. Shaules
Status: New
Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
MTBE	13920	1	mL	12/11/2029

Stock Source	Base Units	Amount Added
VOCF0401	ug/mL	

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Standard ID: VOCF0425
Standard Name: Internals
Type: Primary
Prep Date: 9/8/2021
Prep By: Jerran D. Brenden
Exp Date: 12/31/2022
Status: New
Department: gcmsvoa
Vendor: Agilent
Final Volume: 10 mL
Lot Number: 0006582580
Balance ID:
Comments: Date Prepared is same as Date Received. 2,500 ug/mL in MeOH. Catalog # STM-520-1.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Internal Standard	14251	1	mL	12/31/2022

Stock Source	Base Units	Amount Added
VOCF0425	ug/mL	

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Spike ID: VOCF0426
Spike Name: Surrogates 2.0 mg/mL
Type: Primary
Prep Date: 9/14/2021
Prep By: Jerran D. Brenden
Exp Date: 4/18/2029
Status: New
Department: gcmsvoa
Vendor: AccuStandard
Final Volume: 10 mL
Lot Number: 219041458
Balance ID:
Comments: Date Received 01/04/2021. 2.0 mg/mL. Catalog # M-8260A-B-SS-10X

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Surrogate Standard Mix	14269	1	mL	4/18/2029

Stock Source	Base Units	Amount Added
VOCF0426	ug/mL	

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Standard ID: VOCF0427
Standard Name: Gases
Type: Primary
Prep Date: 9/17/2021
Prep By: Alethea M. Shaules
Exp Date: 8/3/2024
Status: New
Department: gcmsvoa
Vendor: Absolute
Final Volume: 10 mL
Lot Number: 080321
Balance ID:
Comments: Date Prepared is same as Date Received. 2,000 ug/mL in MeOH. Catalog # 30058.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
EPA Method 502-524 - Volatile Gases Mix #1	14285	1	mL	8/3/2024

Stock Source	Base Units	Amount Added
VOCF0427	ug/mL	

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Standard ID: VOCF0434
Standard Name: Ketones
Type: Primary
Prep Date: 10/26/2021
Prep By: Steve Dilts
Exp Date: 6/30/2023
Status: New
Department: gcmsvoa
Vendor: Chem Service
Final Volume: 5 mL
Lot Number: 10251200
Balance ID:
Comments: Date Prepared is same as Date Received. 2,000 ug/mL in 90:10 MeOH:H2O. Catalog # M-TCL-1AN5-5ML.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL Ketone Mix	14443	1	mL	6/30/2023

Stock Source	Base Units	Amount Added
VOCF0434	ug/mL	

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Standard ID: VOCF0440
Standard Name: 2nd Source High Concentration Ketones
Type: Primary
Prep Date: 12/3/2021
Prep By: Melissa Chavez
Exp Date: 1/1/2023
Status: New
Department: gcmsvoa
Vendor: AccuStandard
Final Volume: 5 mL
Lot Number: 221111486
Balance ID:
Comments: Date Prepared is same as Date Received. 20,000 ug/mL in Methanol. Catalog # CLP-022K-100X.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL Ketone Mix	14585	1	mL	1/1/2023

Stock Source	Base Units	Amount Added
VOCF0440	ug/mL	

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Spike ID: VOCF0451
Spike Name: Chem Service Gases
Prep Date: 1/18/2022
Exp Date: 6/30/2022
Department: gcmsvoa
Vendor: Chemservice
Lot Number: 12380600
Balance ID:
Type: Primary
Prep By: Melissa Chavez
Status: New
Final Volume: 1 mL
Comments: Date Prepared is same as Date Received. 2000 ug/mL in MeOH. Catalog # M-VOHC6M5-1ML

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Volatile Organics High Concentration Mixture #6	14783	1	mL	6/30/2022

Stock Source	Base Units	Amount Added
VOCF0451	ug/mL	

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Standard ID: VOCF3546B
Standard Name: Liquids
Type: Secondary
Prep Date: 12/13/2021
Prep By: Alethea M. Shaules
Exp Date: 2/13/2022
Status:
Department: GCMSVOA
Vendor:
Final Volume: 10 mL
Lot Number:
Balance ID:
Comments: 1.0 ml/10 ml final volume. Final Concentration 0.2 ug/uL. Corrected comment and analyte list 11/9/2021 sbd

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EA899	13926	9	mL	2/13/2022

Stock Source	Base Units	Amount Added
VOCF0313	ug/mL	1 mL

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Standard ID: VOCF3559B
Standard Name: MtBE
Type: Secondary
Prep Date: 12/27/2021
Prep By: Melissa Chavez
Exp Date: 2/27/2022
Status: New
Department: gcmsvoa
Vendor:
Final Volume: 10 mL
Lot Number:
Balance ID:
Comments: Final Concentration 0.2 ug/uL.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap - EB199-US	14334	9	mL	2/27/2022

Stock Source	Base Units	Amount Added
VOCF0373	ug/mL	1 mL

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Spike ID: VOCF3567A
Spike Name: 2nd Source Ketones
Prep Date: 1/12/2022
Exp Date: 2/12/2022
Department: gcmsvoa
Vendor: AccuStandard
Lot Number: 221111486
Balance ID:
Comments: 2.0 ug/uL in 90:10 MeOH:H2O

Type: Secondary
Prep By: Melissa Chavez
Status:
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	9	mL	2/12/2022

Stock Source	Base Units	Amount Added
VOCF0440	ug/mL	1 mL

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Spike ID: VOCF3579A
Spike Name: 2nd Source Liquids
Prep Date: 1/28/2022
Exp Date: 2/28/2022
Department: gcmsvoa
Vendor:
Lot Number:
Balance ID:
Comments: Final Concentration 0.2ug/uL.

Type: Secondary
Prep By: Steve Dilts
Status: New
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap - EB199-US	14334	9	mL	2/28/2022

Stock Source	Base Units	Amount Added
VOCF0352	ug/mL	1 mL

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Spike ID: VOCF3582A
Spike Name: 2nd Source MtBE
Prep Date: 1/31/2022
Exp Date: 3/1/2022
Department: gcmsvoa
Vendor:
Lot Number:
Balance ID:
Comments: Final Concentration 0.2 ug/uL

Type: Secondary
Prep By: Alethea M. Shaules
Status: New
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap - EB679	14746	9	mL	3/1/2022

Stock Source	Base Units	Amount Added
VOCF0401	ug/mL	1 mL

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Standard ID: VOCF3586A
Standard Name: Gases
Type: Secondary
Prep Date: 2/2/2022
Prep By: Melissa Chavez
Exp Date: 2/9/2022
Status:
Department: GCMSVOA
Vendor:
Final Volume: 10 mL
Lot Number:
Balance ID:
Comments: 1.0 ml/10 ml final volume. Final Concentration 0.2 ug/uL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap - EB679	14746	9	mL	2/9/2022

Stock Source	Base Units	Amount Added
VOCF0427	ug/mL	1 mL

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Spike ID: VOCF3589A
Spike Name: 2nd Source Gases
Prep Date: 2/3/2022
Exp Date: 2/10/2022
Department: gcmsvoa
Vendor:
Lot Number:
Balance ID:
Comments: 1.0 ml/10 ml final volume. Final Concentration 0.2 ug/uL.

Type: Secondary
Prep By: Steve Dilts
Status:
Final Volume: 10 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	9	mL	2/10/2022

Stock Source	Base Units	Amount Added
VOCF0451	ug/mL	1 mL

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Spike ID: VOCF3590
Spike Name: Internal Standard / Surrogates (INT/SURR)
Type: Secondary
Prep Date: 2/3/2022
Prep By: Jerran D. Brenden
Exp Date: 8/3/2022
Status: New
Department: gcmsvoa
Vendor:
Final Volume: 50 mL
Lot Number:
Balance ID:
Comments: Final Concentration 0.05 ug/uL in MeOH.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Methanol, Purge and Trap EB373	14519	47.75	mL	8/3/2022

Stock Source	Base Units	Amount Added
VOCF0425	ug/mL	1 mL
VOCF0426	ug/mL	1.25 mL

Analytical RunID VOA5975C.I_220209A Standards Traceability Report

Standard ID: VOCF3593
Standard Name: Ketones
Type: Primary
Prep Date: 2/4/2022
Prep By: Melissa Chavez
Exp Date: 3/4/2022
Status: New
Department: gcmsvoa
Vendor: Chem Service
Final Volume: 1 mL
Lot Number: 10251200
Balance ID:
Comments: Vial Opened For Use . 2.0 ug/uL in 90:10 MeOH:H2O.

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL Ketone Mix	14443	1	mL	3/4/2022

Stock Source	Base Units	Amount Added
VOCF0434	ug/mL	1 mL

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

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Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: M-502A-R-10X
Description: Volatile Organic Compounds - Liquids
Lot: 220041126
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Apr 13, 2020
Expiration: Apr 13, 2023
Sample Size: 1 mL
Components: 54
Storage Condition: Refrig (0-5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
Benzene	71-43-2	100.0	2002	2002
Bromobenzene	108-86-1	100.0	2003	2003
Bromochloromethane	74-97-5	99.1	2001	1983
Bromodichloromethane	75-27-4	99.0	2002	1982
Bromoform	75-25-2	99.2	2001	1985
n-Butylbenzene	104-51-8	100.0	2002	2002
sec-Butylbenzene	135-98-8	100.0	2001	2001
tert-Butylbenzene	98-06-6	99.0	2003	1983
Carbon tetrachloride	56-23-5	100.0	2003	2003
Chlorobenzene	108-90-7	99.6	2001	1993
Chloroform	67-66-3	99.2	2004	1988
2-Chlorotoluene	95-49-8	99.0	2003	1983
4-Chlorotoluene	106-43-4	99.8	2002	1998
Dibromochloromethane	124-48-1	97.8	2049*	2004
1,2-Dibromo-3-chloropropane	96-12-8	99.2	2001	1985
1,2-Dibromoethane	106-93-4	100.0	2006	2006
Dibromomethane	74-95-3	99.0	2002	1982
1,2-Dichlorobenzene	95-50-1	98.2	2003	1967
1,3-Dichlorobenzene	541-73-1	100.0	2000	2000
1,4-Dichlorobenzene	106-46-7	100.0	2002	2002
1,1-Dichloroethane	75-34-3	98.6	2001	1973
1,2-Dichloroethane	107-06-2	99.8	2010	2006
1,1-Dichloroethene	75-35-4	99.0	2000	1980
cis-1,2-Dichloroethene	156-59-2	99.0	2002	1982
trans-1,2-Dichloroethene	156-60-5	99.5	2001	1991
1,2-Dichloropropane	78-87-5	99.5	2003	1993
1,3-Dichloropropane	142-28-9	96.7	2073*	2005
2,2-Dichloropropane	594-20-7	99.9	2012	2010
1,1-Dichloropropene	563-58-6	98.9	2001	1979
cis-1,3-Dichloropropene **	10061-01-5	93.9	2041*	1916
trans-1,3-Dichloropropene **	10061-02-6	93.9	1968*	1848
Ethylbenzene	100-41-4	99.7	2000	1994
Hexachlorobutadiene	87-68-3	98.0	2003	1963
Isopropylbenzene	98-82-8	100.0	2002	2002
p-Isopropyltoluene	99-87-6	99.4	2000	1988
Methylene chloride	75-09-2	99.9	2001	1999
Naphthalene	91-20-3	100.0	2002	2002
n-Propylbenzene	103-65-1	100.0	2001	2001
Styrene	100-42-5	100.0	2003	2003
1,1,1,2-Tetrachloroethane	630-20-6	98.9	2005	1983
1,1,2,2-Tetrachloroethane	79-34-5	96.0	2087*	2004
Tetrachloroethene	127-18-4	99.4	2017	2005
Toluene	108-88-3	100.0	2001	2001
1,2,3-Trichlorobenzene	87-61-6	100.0	2002	2002

For use in routine laboratory analysis.

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USA

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CERTIFICATE OF ANALYSIS

Catalog No: M-502A-R-10X
Description: Volatile Organic Compounds - Liquids
Lot: 220041126
Solvent: Methanol

Date Certified: Apr 13, 2020
Expiration: Apr 13, 2023
Sample Size: 1 mL
Components: 54

Component - *continued*	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
1,2,4-Trichlorobenzene	120-82-1	99.6	2001	1993
1,1,1-Trichloroethane	71-55-6	100.0	2002	2002
1,1,2-Trichloroethane	79-00-5	98.6	2000	1972
Trichloroethene	79-01-6	100.0	2003	2003
1,2,3-Trichloropropane	96-18-4	97.5	2055*	2004
1,2,4-Trimethylbenzene	95-63-6	98.2	2001	1965
1,3,5-Trimethylbenzene	108-67-8	98.8	2001	1977
o-Xylene	95-47-6	99.0	2000	1980
m-Xylene	108-38-3	99.2	2002	1986
p-Xylene	106-42-3	95.4	2097*	2001

* Weight compensated to 100% purity.

** 47.8% cis isomer, 46.1% trans isomer

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Certified By: Larry Decker, Organic QC Manager

ID #: 12797
Opened:_____
Volatile Organic Compounds - Liquids
Expires: 4/13/2023
Rec'd: 6/23/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

QR-ORG/INO-001
Rev. 5/18

Agilent

ID #: 13292
Opened:
VOC Standard
Expires: 12/31/2023
Rec'd: 11/23/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certificate of Analysis

Product Name: VOC Standard

Product Number: DWM-589N-1

Lot Number: 0006570990

Lot Issue Date: 17-Nov-2020

Expiration Date: 31-Dec-2023

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
bromochloromethane	000074-97-5	RM00009	2010 ± 10 µg/mL
bromodichloromethane	000075-27-4	RM12585	2009 ± 10 µg/mL
bromoform	000075-25-2	RM13987	2010 ± 10 µg/mL
carbon tetrachloride	000056-23-5	RM07576	2010 ± 10 µg/mL
chloroform	000067-66-3	RM13988	2009 ± 10 µg/mL
dibromochloromethane	000124-48-1	RM14843	2009 ± 10 µg/mL
dibromomethane	000074-95-3	RM12878	2009 ± 10 µg/mL
methylene chloride	000075-09-2	RM11650	2009 ± 10 µg/mL
1,2-dibromoethane	000106-93-4	RM00018	2010 ± 10 µg/mL
1,1-dichloroethane	000075-34-3	RM16217	2006 ± 10 µg/mL
1,2-dichloroethane	000107-06-2	RM04655	2005 ± 10 µg/mL
1,1-dichloroethene	000075-35-4	RM14486	2010 ± 10 µg/mL
cis-1,2-dichloroethene	000156-59-2	RM15008	2007 ± 10 µg/mL
trans-1,2-dichloroethene	000156-60-5	RM07565	2008 ± 10 µg/mL
1,1,1,2-tetrachloroethane	000630-20-6	RM12632	2005 ± 10 µg/mL
1,1,2,2-tetrachloroethane	000079-34-5	RM02540	2009 ± 10 µg/mL
tetrachloroethene	000127-18-4	RM06491	2008 ± 10 µg/mL

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
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www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Certificate of Analysis

Product Number: DWM-589N-1

Lot Number: 0006570990

1,1,1-trichloroethane	000071-55-6	RM16539	2004 ± 10 µg/mL
1,1,2-trichloroethane	000079-00-5	RM01175	2009 ± 10 µg/mL
trichloroethene	000079-01-6	RM14232	2009 ± 10 µg/mL
1,2-dibromo-3-chloropropane	000096-12-8	RM13666	2009 ± 10 µg/mL
1,2-dichloropropane	000078-87-5	RM12821	2008 ± 10 µg/mL
1,3-dichloropropane	000142-28-9	RM02080	2008 ± 10 µg/mL
2,2-dichloropropane	000594-20-7	RM12927	2005 ± 10 µg/mL
1,1-dichloropropene	000563-58-6	RM16190	2010 ± 10 µg/mL
cis-1,3-dichloropropene	010061-01-5	RM12891	2007 ± 10 µg/mL
trans-1,3-dichloropropene	010061-02-6	RM12254	2006 ± 10 µg/mL
hexachlorobutadiene	000087-68-3	RM09157	2005 ± 10 µg/mL
1,2,3-trichloropropane	000096-18-4	RM13082	2004 ± 10 µg/mL
benzene	000071-43-2	RM12931	2009 ± 10 µg/mL
n-butylbenzene	000104-51-8	RM03651	2008 ± 10 µg/mL
sec-butylbenzene	000135-98-8	RM10905	2005 ± 10 µg/mL
tert-butylbenzene	000098-06-6	RM14040	2007 ± 10 µg/mL
ethylbenzene	000100-41-4	RM12195	2006 ± 10 µg/mL
isopropylbenzene	000098-82-8	RM00835	2009 ± 10 µg/mL
4-isopropyltoluene	000099-87-6	RM09747	2009 ± 10 µg/mL
naphthalene	000091-20-3	NT00970	2006 ± 10 µg/mL
n-propylbenzene	000103-65-1	RM12785	2010 ± 10 µg/mL
styrene	000100-42-5	RM13393	2010 ± 10 µg/mL

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER

ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

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CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

ISO 17025 Cert
No. AT-1937

Agilent

Certificate of Analysis

Product Number: DWM-589N-1

Lot Number: 0006570990

toluene	000108-88-3	RM06650	2008 ± 10 µg/mL
1,2,4-trimethylbenzene	000095-63-6	RM06731	2002 ± 10 µg/mL
1,3,5-trimethylbenzene	000108-67-8	RM12905	2009 ± 10 µg/mL
o-xylene	000095-47-6	RM15639	2005 ± 10 µg/mL
m-xylene	000108-38-3	RM15919	2006 ± 10 µg/mL
p-xylene	000106-42-3	RM02647	2009 ± 10 µg/mL
bromobenzene	000108-86-1	RM10227	2008 ± 10 µg/mL
chlorobenzene	000108-90-7	RM01874	2008 ± 10 µg/mL
2-chlorotoluene	000095-49-8	RM13774	2007 ± 10 µg/mL
4-chlorotoluene	000106-43-4	RM11750	2009 ± 10 µg/mL
1,2-dichlorobenzene	000095-50-1	RM13636	2005 ± 10 µg/mL
1,3-dichlorobenzene	000541-73-1	NT00356	2009 ± 10 µg/mL
1,4-dichlorobenzene	000106-46-7	RM12826	2009 ± 10 µg/mL
1,2,3-trichlorobenzene	000087-61-6	RM10193	2007 ± 10 µg/mL
1,2,4-trichlorobenzene	000120-82-1	RM09454	2009 ± 10 µg/mL

Matrix: methanol (methyl alcohol)

Storage Conditions: Store Frozen (-25° to -10°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Certificate of Analysis

Product Number: DWM-589N-1

Lot Number: 0006570990

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
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CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert
No. AT-1937

Agilent

ID #: 13578
Opened:
Methyl tert-Butyl Ether Standard
Expires: 8/31/2022
Rec'd: 2/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certificate of Analysis

Product Name: Methyl tert-Butyl Ether Standard

Product Number: STS-440-1

Lot Number: 0006555762

Lot Issue Date: 19-Aug-2020

Expiration Date: 31-Aug-2022

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system, and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
tert-butylmethyl ether	001634-04-4	RM06568	2006 ± 10 µg/mL

Matrix: methanol (methyl alcohol)

Storage Conditions: Store Frozen (-25° to -10°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 1
www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert
No. AT-1937

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-078-10X
Description: MtBE
Lot: 220051182
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: May 18, 2020
Expiration: May 18, 2030
Sample Size: 1 mL
Components: 1
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
MtBE	1634-04-4	100.0	2002	2002

ID #: 13920
Opened:_____
MTBE
Expires: 5/18/2030
Rec'd: 6/7/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____
Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

ID #: 14251
Opened:
Internal Standard
Expires: 12/31/2022
Rec'd: 9/8/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Agilent

Certificate of Analysis

Product Name: Internal Standard

Product Number: STM-520-1

Lot Number: 0006582580

Lot Issue Date: 05-Jan-2021

Expiration Date: 31-Dec-2022

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
chlorobenzene-d5	003114-55-4	RM12274	2501 ± 13 µg/mL
1,4-dichlorobenzene-d4	003855-82-1	RM12517	2501 ± 13 µg/mL
fluorobenzene	000462-06-6	RM13378	2512 ± 13 µg/mL

Matrix: methanol (methyl alcohol)

Storage Conditions: Store Frozen (-25° to -10°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Agilent

Certificate of Analysis

Product Number: STM-520-1 **Lot Number:** 0006582580

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert
No. AT-1937

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: M-8260A-B-SS-10X
Description: Surrogate Standard Mix
Lot: 219041458
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Apr 18, 2019
Expiration: Apr 18, 2029
Sample Size: 1 mL
Components: 4
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
p-Bromofluorobenzene	460-00-4	99.9	2004	2002
Dibromofluoromethane	1868-53-7	99.8	2005	2001
1,2-Dichloroethane-d4	17060-07-0	100.0	2001	2001
Toluene-d8	2037-26-5	100.0	2000	2000

ID #: 14269
Opened:_____
Surrogate Standard Mix
Expires: 4/18/2029
Rec'd: 9/14/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 30058
Lot Number: 080321
Description: EPA Method 502/524 - Volatile Gases Mix #1
6 components
Expiration Date: 080324
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent: Methanol **Lot#** EA783-US

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 500.0 0.058 Flask Uncertainty

Formulated By:	Mario Luis	080321 DATE
Reviewed By:	Pedro L. Rentas	080321 DATE

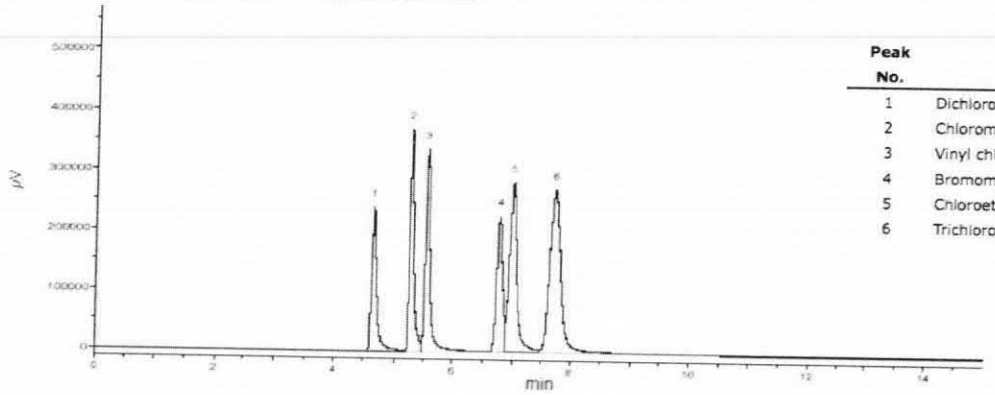
Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Bromomethane	50	01611JX	2000	99.5	0.2	1.00508	1.0098	2009.4	8.1	74-83-9	5 ppm (20mg/m3/8H) (skin)	orl-rat 214mg/kg
2. Chloroethane	72	062617	2000	99	0.2	1.01016	1.0146	2008.8	8.1	75-00-3	1000 ppm (2600mg/m3/8H)	N/A
3. Chloromethane	79	06908MS	2000	99.5	0.2	1.00508	1.0154	2020.5	8.1	74-87-3	100 ppm	orl-rat 1800mg/kg
4. Dichlorodifluoromethane	134	92-0487	2000	99	0.2	1.01016	1.0224	2024.2	8.2	75-71-8	1000 ppm (4950mg/m3/8H)	N/A
5. Trichlorofluoromethane	294	01823MW	2000	99	0.2	1.01016	1.0110	2001.7	8.1	75-69-4	1000 ppm (5600mg/m3/8H)	ipr-mus 1743mg/kg
6. Vinyl chloride	305	04854EA	2000	99.5	0.2	1.00508	1.0071	2004.0	8.1	75-01-4	N/A	N/A

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Comments

GC15-M9 Analysis by Melissa Stonier
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=150mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=40mL/min., Hydogen(make-up)=100mL/min.
Oven Profile: Temp. 1=35°C (Time 1=9 min.), Temp 2=200°C (Time 2=1 min.),
Rate = 33°C/min., Total run time=15 min. Injector temp.=200°C, FID Temp.=200°C.
ELCD Signal = Edaq Channel 1 PID Signal = Edaq Channel 2
Standard injection = 0.5µL, Range=3 Purge Valve = 0 min.

ID #: 14285
Opened: _____
EPA Method 502-524 - Volatile Gases Mix #1
Expires: 8/3/2024
Rec'd: 9/17/2021
Enerav Laboratories Inc 1120 So. 27th Street
Billings MT 59107



Peak No.	Analyte	ELCD RT (min.)
1	Dichlorodifluoromethane	4.67
2	Chloromethane	5.28
3	Vinyl chloride	5.56
4	Bromomethane	6.75
5	Chloroethane	6.99
6	Trichlorofluoromethane	7.72

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ID #: 14443
Opened:
TCL Ketone Mix
Expires: 6/30/2023
Rec'd: 10/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFICATE OF ANALYSIS

TCL Ketones Mixture

CONCENTRATION	2000ug/ml in Methanol:Water (90:10)
CATALOG NUMBER	M-TCL1AN5-1ML
LOT NUMBER	10251200
DATE CERTIFIED	06/16/20
EXPIRATION DATE	06/30/23
STORAGE	Freezer storage (-20 - -25 °C)
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratory use only.
ISO 17034:2016 CERTIFIED	[ ]

ID	Analyte	CAS	Weight Analyte (mg)	Lot	Purity	Certified Concentration (ug/mL)
N-11014	Acetone	67-64-1	203.300	00026182	98.7	2006.6
N-10297	2-Butanone	78-93-3	202.800	00027454	99.5	2017.9
N-10369	2-Hexanone	591-78-6	202.600	00025720	99.5	2015.9
N-10844	4-Methyl-2-pentanone	108-10-1	204.700	6403300	99.5	2036.8

Analytical Test	Value
CONCENTRATION (GC/FID)	VERIFIED

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.

PJLA Testing

PJLA Reference Material Producer

COA Form
Revision 3 (3/2015)

Print Date: 10/22/21

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info@chemservice.com • www.chemservice.com

Instructions for Use:
Shake mixture prior to use. If particles are present, sonicate for homogeneity. If sample is diluted to lower concentrations, Class A volumetric glassware must be used.
Minimum Sample Size- 0.2 uL for Direct Injection.
Chem Service Inc. guarantees the expanded uncertainty of the above analytes to be +/- 2.0% of the certified concentrations based on gravimetric preparation. The test results published in this report were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). The reported expanded uncertainty of measurement is stated as the combined standard uncertainty of measurement multiplied by the coverage factor k (k=2) such that the coverage probability corresponds to approximately 95%. For certified reference materials, homogeneity and thermal stability testing are available upon request.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.

PJLA Testing

PJLA Reference Material Producer

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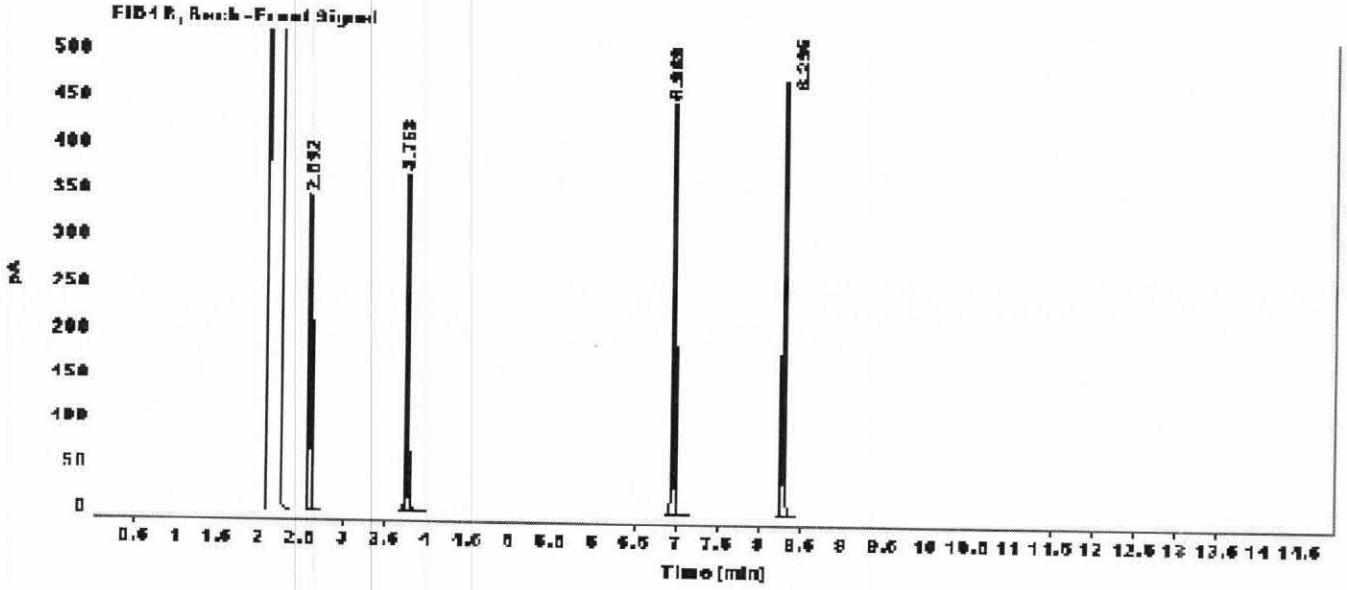
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2020 DATA\0620\M-TCL1AN5.D		
Sample name:	M-TCL1AN5		
Acq. method:	N-14276.M		
Instrument:	GC3	**Location:**	202
Injection date:	6/16/2020 2:52:35 PM	**Injection Vol:**	1.000
Column name:	RTx-5MS (30m x 0.25mm x 0.5µm)	**# Of Injections:**	1



Signal: FID1 B, Back - Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
2.592	BB	0.0277	580.2505	343.4966	18.4655
3.763	BB	0.0323	735.4804	367.8491	23.4054
6.989	BB	0.0326	904.3389	447.8770	28.7791
8.295	BB	0.0307	922.2798	474.3798	29.3500
		Sum	3142.3497		

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PJLA Testing

PJLA Reference Material Producer

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: CLP-022K-100X
Description: TCL Ketone Mix
Lot: 221111486
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Dec 1, 2021
Expiration: Jan 1, 2023
Sample Size: 1 mL
Components: 4
Storage Condition: Freeze (<-10 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (mg/mL)	Certified Analyte Concentration¹ (mg/mL)
Acetone	67-64-1	100.0	20.01	20.01
Methyl ethyl ketone	78-93-3	100.0	20.01	20.01
2-Hexanone	591-78-6	98.7	20.01	19.75
4-Methyl-2-pentanone	108-10-1	100.0	20.01	20.01

ID #: 14585
Opened:_____
TCL Ketone Mix
Expires: 1/1/2023
Rec'd: 12/3/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

This Certified Reference Material was verified in accordance with ISO/IEC 17025

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: _____
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

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CERTIFICATE OF ANALYSIS

Volatile Organics High Concentration Mixture #6

CONCENTRATION	2000ug/ml in Methanol
CATALOG NUMBER	M-VOHC6M5-1ML
LOT NUMBER	12380600
DATE CERTIFIED	09/16/21
EXPIRATION DATE	06/30/22
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratoy use only.
ISO 17034:2016 CERTIFIED	[ ]

ID	Analyte	CAS	Weight Analyte (mg)	Lot	Purity	Certified Concentration (ug/mL)
N-11446	Chloroethane	75-00-3	94.180	00001728	100.0	1962.1
N-11665	Dichlorodifluoromethane	75-71-8	98.430	00001729	100.0	2050.6
N-12417	Methyl bromide	74-83-9	99.040	00024694	100.0	2063.3
N-12421	Methyl chloride	74-87-3	97.970	00001731	100.0	2041.0
N-13655	Trichlorofluoromethane	75-69-4	98.890	00027239	99.4	2047.8
N-13748	Vinyl chloride	75-01-4	97.820	00019298	100.0	2037.9

Analytical Test	Value
CONCENTRATION (GC/MSD)	VERIFIED

ID #: 14783
Opened:
Volatile Organics High Concentration Mixture
Expires: 6/30/2022
Rec'd: 1/18/2022
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.

PJLA Testing

PJLA Reference Material Producer

COA Form
Revision 3 (3/2015)

Print Date: 01/11/22

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info@chemservice.com • www.chemservice.com

Instructions for Use:
Shake mixture prior to use. If particles are present, sonicate for homogeneity. If sample is diluted to lower concentrations, Class A volumetric glassware must be used.
Minimum Sample Size- 0.2 uL for Direct Injection.
Chem Service Inc. guarantees the expanded uncertainty of the above analytes to be +/- 2.0% of the certified concentrations based on gravimetric preparation. The test results published in this report were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). The reported expanded uncertainty of measurement is stated as the combined standard uncertainty of measurement multiplied by the coverage factor k (k=2) such that the coverage probability corresponds to approximately 95%. For certified reference materials, homogeneity and thermal stability testing are available upon request.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.

PJLA Testing

PJLA Reference Material Producer

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CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	M-VOHC6M5-1ML
Description:	Volatile Organics High Concentration Mixture #6
Lot Number:	12380600
Expiration Date:	06/30/22

Chem Service Inc Area Percent Report

Data File: D:\msdchem\2021 DATA\0921\091621\M-VOHC6M5_DIL-1.D
Acq On : 16 Sep 2021 10:30
Operator :
Sample : M-VOHC6M5
Misc :
ALS Vial : 1

Integration Parameters: autoint1.e
Integrator: ChemStation

DataAcq Meth:M-VOHC6M5.M
Method : D:\msdchem\2021 DATA\0321\S-11399U1-01.D\S-11399U1.M

Signal : TIC: M-VOHC6M5_DIL-1.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.856	167	171	174	BV	43179	602007	42.31%	12.962%
2	1.920	174	177	180	VV	58068	833942	58.61%	17.956%
3	1.978	180	183	187	VB	14247	178408	12.54%	3.841%
4	2.134	193	198	201	BV	50234	799854	56.22%	17.222%
5	2.204	201	204	210	VB	53542	807271	56.74%	17.382%
6	2.455	224	228	239	BB	90821	1422800	100.00%	30.636%

Sum of corrected areas: 4644281

S-11399U1.M Thu Sep 16 11:46:52 2021

Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.

PJLA Testing

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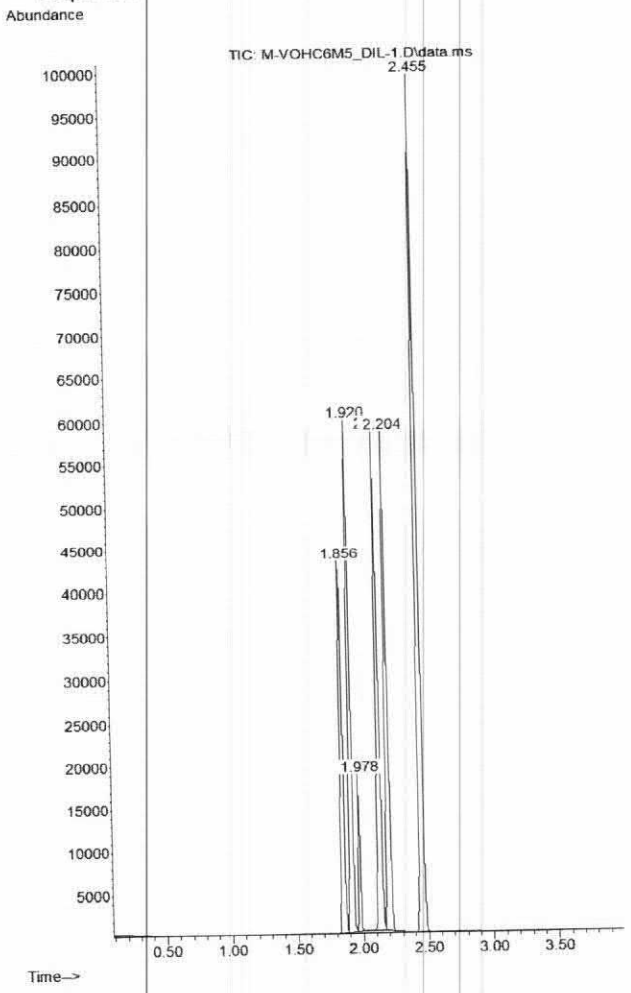
CERTIFICATE OF ANALYSIS

Analysis Method:

Catalog Number:	M-VOHC6M5-1ML
Description:	Volatile Organics High Concentration Mixture #6
Lot Number:	12380600
Expiration Date:	06/30/22



Chem Service, Inc. is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015.

PJLA Testing

PJLA Reference Material Producer

PREP BATCH REPORT

Prep Code: **SVOC-3510C-8270** Technician: **Zachary B. Zaccardi** Prep Start Date: **2/9/2022 8:18:50 AM**

Prep Batch **163621** Prep Temp **NA °C** Batch Units: **ML** Prep End Date: **2/11/2022 8:21:00 AM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
MB-163621			1000	0	0	1.00	0.001		2/9/2022	2/11/2022
supervised by DSM										
LCS-163621			1000	0	0	1.00	0.001		2/9/2022	2/11/2022
LCSD-163621			1000	0	0	1.00	0.001		2/9/2022	2/11/2022
LLCS-163621			1000	0	0	1.00	0.001		2/9/2022	2/11/2022
LLCSD-163621			1000	0	0	1.00	0.001		2/9/2022	2/11/2022
B22020415-001C	Ground Water	6	1040	0	0	1.00	0.000962		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-006C	Ground Water	6	1010	0	0	1.00	0.00099		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-011C	Ground Water	6	1050	0	0	1.00	0.000952		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-016A	Ground Water	6	1050	0	0	1.00	0.000952		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-017C	Ground Water	6	1050	0	0	1.00	0.000952		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-022C	Ground Water	6	990	0	0	1.00	0.00101		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-027C	Ground Water	6	1030	0	0	1.00	0.000971		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-032C	Ground Water	6	1020	0	0	1.00	0.00098		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020528-001B	Aqueous	7	1010	0	0	1.00	0.00099		2/9/2022	2/11/2022
Sample was cloudy yellow										
B22020531-001M	Aqueous	7	1040	0	0	1.00	0.000962		2/9/2022	2/11/2022
Sample was cloudy grey										

Number	Reagent Name	Exp Date	A
13124	Sulfuric Acid 2020070739	7/2/2022	2mL
13273	pH-indicator Strips 0-14 HC025486	9/30/2024	
14777	Dichloromethane EC 978	11/17/2023	100, 5

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
FP220120 14244	DCM RINSED FILTER PAPER	ALL		4/6/2026
Sulfate 02/09/22 (	Baked Sodium Sulfate	ALL	varies	11/29/2026
sv92806	Benzidines	LCS, MS	50 uL	9/9/2025
sv92809	LCS/Add Extractions	LCS, MS; LLCS/D	1.0 mL; 5	7/22/2022
sv92717	LL BNA Surr	LMS, LLCS/D	100 uL	3/31/2022
SVOC NaOH 122	10 N NaOH	MB, LCS, SAMP,	5 drops	7/31/2023
sv92718	BNA Surr	SAMP, MB, LCS,	100 uL	3/31/2022

PREP BATCH REPORT

Prep Code: **SVOC-3510C-8270** Technician: **Zachary B. Zaccardi** Prep Start Date: **2/9/2022 8:18:50 AM**

Prep Batch **163621** Prep Temp **NA °C** Batch Units: **ML** Prep End Date: **2/11/2022 8:21:00 AM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
B22020534-001M	Aqueous	6	1000	0	0	1.00	0.001		2/9/2022	2/11/2022
sample was clear										
B22020415-001CLMS	Ground Water	6	1040	0	0	1.00	0.000962		2/9/2022	2/11/2022
Sample was clear (2/2)										
B22020415-006CLMS	Ground Water	6	1010	0	0	1.00	0.00099		2/9/2022	2/11/2022
Sample was clear (2/2)										
B22020415-017CMS	Ground Water	6	1050	0	0	1.00	0.000952		2/9/2022	2/11/2022
Sample was clear (2/2)										
B22020415-032CMS	Ground Water	6	1030	0	0	1.00	0.000971		2/9/2022	2/11/2022
Sample was clear (2/2)										

Number	Reagent Name	Exp Date	A
13124	Sulfuric Acid 2020070739	7/2/2022	2mL
13273	pH-indicator Strips 0-14 HC025486	9/30/2024	
14777	Dichloromethane EC 978	11/17/2023	100, 5

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
FP220120 14244	DCM RINSED FILTER PAPER	ALL		4/6/2026
Sulfate 02/09/22 (	Baked Sodium Sulfate	ALL	varies	11/29/2026
sv92806	Benzidines	LCS, MS	50 uL	9/9/2025
sv92809	LCS/Add Extractions	LCS, MS; LLCS/D	1.0 mL; 5	7/22/2022
sv92717	LL BNA Surr	LMS, LLCS/D	100 uL	3/31/2022
SVOC NaOH 122	10 N NaOH	MB, LCS, SAMP,	5 drops	7/31/2023
sv92718	BNA Surr	SAMP, MB, LCS,	100 uL	3/31/2022

Energy Laboratories Inc

ANALYTICAL RUN Summary

24-Feb-22

Run ID SV5975.I_220207A

Run Start Date: 2/7/2022
Analyst: John P. Heine
Ical:
Column ID: ZB-SemiVolatiles
Comments:

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
dcmsvoc13	DCM						11/17/2022
sv100506	BNA low 50 ug/mL	8	ul	192	ul	CCV	3/31/2022
sv100703	BNA Internals 2000 ug/mL	2	ul	100	ul	SAMP	5/31/2022
sv100801	BNA 2nd source 200ug/mL	2	ul	198	ul	ICV	10/1/2022
sv83311	DFTPP 1000 ug/mL	50	ul	50	ul	TUNE	10/31/2022

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023020	Feb0701_D_TU	SVOC-8270-DF	TUNE	√5975.I\sh020722	2/7/2022 3:17:00	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
127, % of mass 198	A	%	56.9	56.9		100	0	0	0	0.01	0	57%	40	60	0%	
197, % of mass 198	A	%	0	0		100	0	0	0	0.01	0	0%	0	0.99	0%	
198, Base Peak	A	%	100	100		100	0	0	0	0.01	0	100%	100	100	0%	
199, % of mass 198	A	%	6.7	6.7		100	0	0	0	0.01	0	7%	5	9	0%	
275, % of mass 198	A	%	29.6	29.6		100	0	0	0	0.01	0	30%	10	30	0%	
365, % of mass 198	A	%	3.4	3.4		100	0	0	0	0.01	0	3%	1	99.99	0%	
441, % of mass 443	A	%	81.6	81.6		100	0	0	0	0.01	0	82%	0.01	150	0%	
442, % of mass 198	A	%	64.1	64.1		100	0	0	0	0.01	0	64%	40	100	0%	
443, % of mass 442	A	%	19.9	19.9		100	0	0	0	0.01	0	20%	17	23	0%	
51, % of mass 198	A	%	43.2	43.2		100	0	0	0	0.01	0	43%	30	60	0%	
68, % of mass 69	A	%	0	0		100	0	0	0	0.01	0	0%	0	1.99	0%	
70, % of mass 69	A	%	0.5	0.5		100	0	0	0	0.01	0	1%	0	1.99	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023021	07-Feb-22_CAL	SVOC-8270-W-	ICAL	√5975.I\sh020722	2/7/2022 3:41:27	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	9.94869	9.94869		10	0	0	0.0206	0.1	10	99%	20	120	0%	
2-Methylnaphthalene	A	ug/L	10.02478	10.02478		10	0	0	0.0176	0.1	10	100%	20	120	0%	
Acenaphthene	A	ug/L	9.98779	9.98779		10	0	0	0.0317	0.1	10	100%	20	120	0%	
Acenaphthylene	A	ug/L	10.06576	10.06576		10	0	0	0.025	0.1	10	101%	20	120	0%	
Anthracene	A	ug/L	10.02888	10.02888		10	0	0	0.0283	0.1	10	100%	20	120	0%	
Benzo(a)anthracene	A	ug/L	10.01602	10.01602		10	0	0	0.0272	0.1	10	100%	20	120	0%	
Benzo(a)pyrene	A	ug/L	9.97723	9.97723		10	0	0	0.0347	0.1	10	100%	20	120	0%	
Benzo(b)fluoranthene	A	ug/L	9.98369	9.98369		10	0	0	0.0226	0.1	10	100%	20	120	0%	
Benzo(g,h,i)perylene	A	ug/L	9.99442	9.99442		10	0	0	0.0267	0.1	10	100%	20	120	0%	
Benzo(k)fluoranthene	A	ug/L	9.98058	9.98058		10	0	0	0.0295	0.1	10	100%	20	120	0%	
Chrysene	A	ug/L	10.00338	10.00338		10	0	0	0.0458	0.1	10	100%	20	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	9.9979	9.9979		10	0	0	0.0367	0.1	10	100%	20	120	0%	
Fluoranthene	A	ug/L	10.01143	10.01143		10	0	0	0.0233	0.1	10	100%	20	120	0%	
Fluorene	A	ug/L	9.98066	9.98066		10	0	0	0.0225	0.1	10	100%	20	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	9.9874	9.9874		10	0	0	0.0491	0.1	10	100%	20	120	0%	
Naphthalene	A	ug/L	10.00007	10.00007		10	0	0	0.029	0.1	10	100%	20	120	0%	
Phenanthrene	A	ug/L	9.97168	9.97168		10	0	0	0.0295	0.1	10	100%	20	120	0%	
Pyrene	A	ug/L	10.00882	10.00882		10	0	0	0.0239	0.1	10	100%	20	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	9.94681	9.94681		10	0	0	0.0444	0.1	10	99%	20	120	0%	
Nitrobenzene-d5	S	ug/L	10.62362	10.62362		10	0	0	0.0523	0.1	10	106%	20	120	0%	
Terphenyl-d14	S	ug/L	9.97595	9.97595		10	0	0	0.0563	0.1	10	100%	20	120	0%	
o-Terphenyl	X	ug/L	10.03908	10.03908		10	0	0	0.0654	0.1	10	100%	20	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023022	07-Feb-22_CAL	SVOC-8270-W-	ICAL	√5975.I\sh020722	2/7/2022 4:14:01	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

2

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023022	07-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh020722	2/7/2022 4:14:01	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	5.14482	5.14482		5	0	0	0.0206	0.1	10	103%	20	120	0%	
2-Methylnaphthalene	A	ug/L	4.9469	4.9469		5	0	0	0.0176	0.1	10	99%	20	120	0%	
Acenaphthene	A	ug/L	5.03567	5.03567		5	0	0	0.0317	0.1	10	101%	20	120	0%	
Acenaphthylene	A	ug/L	5.06732	5.06732		5	0	0	0.025	0.1	10	101%	20	120	0%	
Anthracene	A	ug/L	4.93481	4.93481		5	0	0	0.0283	0.1	10	99%	20	120	0%	
Benzo(a)anthracene	A	ug/L	4.97767	4.97767		5	0	0	0.0272	0.1	10	100%	20	120	0%	
Benzo(a)pyrene	A	ug/L	5.08071	5.08071		5	0	0	0.0347	0.1	10	102%	20	120	0%	
Benzo(b)fluoranthene	A	ug/L	5.06867	5.06867		5	0	0	0.0226	0.1	10	101%	20	120	0%	
Benzo(g,h,i)perylene	A	ug/L	5.04909	5.04909		5	0	0	0.0267	0.1	10	101%	20	120	0%	
Benzo(k)fluoranthene	A	ug/L	5.0881	5.0881		5	0	0	0.0295	0.1	10	102%	20	120	0%	
Chrysene	A	ug/L	5.02325	5.02325		5	0	0	0.0458	0.1	10	100%	20	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	5.0318	5.0318		5	0	0	0.0367	0.1	10	101%	20	120	0%	
Fluoranthene	A	ug/L	4.96867	4.96867		5	0	0	0.0233	0.1	10	99%	20	120	0%	
Fluorene	A	ug/L	5.07669	5.07669		5	0	0	0.0225	0.1	10	102%	20	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	5.04213	5.04213		5	0	0	0.0491	0.1	10	101%	20	120	0%	
Naphthalene	A	ug/L	5.01039	5.01039		5	0	0	0.029	0.1	10	100%	20	120	0%	
Phenanthrene	A	ug/L	5.0987	5.0987		5	0	0	0.0295	0.1	10	102%	20	120	0%	
Pyrene	A	ug/L	4.98169	4.98169		5	0	0	0.0239	0.1	10	100%	20	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	5.11969	5.11969		5	0	0	0.0444	0.1	10	102%	20	120	0%	
Nitrobenzene-d5	S	ug/L	5.08713	5.08713		5	0	0	0.0523	0.1	10	102%	20	120	0%	
Terphenyl-d14	S	ug/L	5.08036	5.08036		5	0	0	0.0563	0.1	10	102%	20	120	0%	
o-Terphenyl	X	ug/L	4.90654	4.90654		5	0	0	0.0654	0.1	10	98%	20	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023023	07-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh020722	2/7/2022 4:46:39	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023023	07-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh020722	2/7/2022 4:46:39	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	1.85516	1.85516		2	0	0	0.0206	0.1	10	93%	20	120	0%	
2-Methylnaphthalene	A	ug/L	1.95776	1.95776		2	0	0	0.0176	0.1	10	98%	20	120	0%	
Acenaphthene	A	ug/L	1.97548	1.97548		2	0	0	0.0317	0.1	10	99%	20	120	0%	
Acenaphthylene	A	ug/L	1.94533	1.94533		2	0	0	0.025	0.1	10	97%	20	120	0%	
Anthracene	A	ug/L	1.94088	1.94088		2	0	0	0.0283	0.1	10	97%	20	120	0%	
Benzo(a)anthracene	A	ug/L	1.93184	1.93184		2	0	0	0.0272	0.1	10	97%	20	120	0%	
Benzo(a)pyrene	A	ug/L	1.91126	1.91126		2	0	0	0.0347	0.1	10	96%	20	120	0%	
Benzo(b)fluoranthene	A	ug/L	1.88643	1.88643		2	0	0	0.0226	0.1	10	94%	20	120	0%	
Benzo(g,h,i)perylene	A	ug/L	1.86257	1.86257		2	0	0	0.0267	0.1	10	93%	20	120	0%	
Benzo(k)fluoranthene	A	ug/L	1.85007	1.85007		2	0	0	0.0295	0.1	10	93%	20	120	0%	
Chrysene	A	ug/L	1.89402	1.89402		2	0	0	0.0458	0.1	10	95%	20	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	1.89129	1.89129		2	0	0	0.0367	0.1	10	95%	20	120	0%	
Fluoranthene	A	ug/L	2.01516	2.01516		2	0	0	0.0233	0.1	10	101%	20	120	0%	
Fluorene	A	ug/L	1.89216	1.89216		2	0	0	0.0225	0.1	10	95%	20	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	1.96526	1.96526		2	0	0	0.0491	0.1	10	98%	20	120	0%	
Naphthalene	A	ug/L	1.96409	1.96409		2	0	0	0.029	0.1	10	98%	20	120	0%	
Phenanthrene	A	ug/L	1.90007	1.90007		2	0	0	0.0295	0.1	10	95%	20	120	0%	
Pyrene	A	ug/L	1.99546	1.99546		2	0	0	0.0239	0.1	10	100%	20	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	1.99537	1.99537		2	0	0	0.0444	0.1	10	100%	20	120	0%	
Nitrobenzene-d5	S	ug/L	1.69953	1.69953		2	0	0	0.0523	0.1	10	85%	20	120	0%	
Terphenyl-d14	S	ug/L	1.92111	1.92111		2	0	0	0.0563	0.1	10	96%	20	120	0%	
o-Terphenyl	X	ug/L	1.9367	1.9367		2	0	0	0.0654	0.1	10	97%	20	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023024	07-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh020722	2/7/2022 5:19:11	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023024	07-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh020722	2/7/2022 5:19:11	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	1.01632	1.01632		1	0	0	0.0206	0.1	10	102%	20	120	0%	
2-Methylnaphthalene	A	ug/L	1.05851	1.05851		1	0	0	0.0176	0.1	10	106%	20	120	0%	
Acenaphthene	A	ug/L	0.97512	0.97512		1	0	0	0.0317	0.1	10	98%	20	120	0%	
Acenaphthylene	A	ug/L	0.93896	0.93896		1	0	0	0.025	0.1	10	94%	20	120	0%	
Anthracene	A	ug/L	1.05237	1.05237		1	0	0	0.0283	0.1	10	105%	20	120	0%	
Benzo(a)anthracene	A	ug/L	1.04749	1.04749		1	0	0	0.0272	0.1	10	105%	20	120	0%	
Benzo(a)pyrene	A	ug/L	1.00156	1.00156		1	0	0	0.0347	0.1	10	100%	20	120	0%	
Benzo(b)fluoranthene	A	ug/L	1.05255	1.05255		1	0	0	0.0226	0.1	10	105%	20	120	0%	
Benzo(g,h,i)perylene	A	ug/L	1.05261	1.05261		1	0	0	0.0267	0.1	10	105%	20	120	0%	
Benzo(k)fluoranthene	A	ug/L	1.03224	1.03224		1	0	0	0.0295	0.1	10	103%	20	120	0%	
Chrysene	A	ug/L	1.02994	1.02994		1	0	0	0.0458	0.1	10	103%	20	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	1.05384	1.05384		1	0	0	0.0367	0.1	10	105%	20	120	0%	
Fluoranthene	A	ug/L	0.98106	0.98106		1	0	0	0.0233	0.1	10	98%	20	120	0%	
Fluorene	A	ug/L	1.00488	1.00488		1	0	0	0.0225	0.1	10	100%	20	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0.98813	0.98813		1	0	0	0.0491	0.1	10	99%	20	120	0%	
Naphthalene	A	ug/L	0.99973	0.99973		1	0	0	0.029	0.1	10	100%	20	120	0%	
Phenanthrene	A	ug/L	0.99761	0.99761		1	0	0	0.0295	0.1	10	100%	20	120	0%	
Pyrene	A	ug/L	0.99132	0.99132		1	0	0	0.0239	0.1	10	99%	20	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	0.93848	0.93848		1	0	0	0.0444	0.1	10	94%	20	120	0%	
Nitrobenzene-d5	S	ug/L	0.9192	0.9192		1	0	0	0.0523	0.1	10	92%	20	120	0%	
Terphenyl-d14	S	ug/L	0.99239	0.99239		1	0	0	0.0563	0.1	10	99%	20	120	0%	
o-Terphenyl	X	ug/L	1.07015	1.07015		1	0	0	0.0654	0.1	10	107%	20	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023025	07-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh020722	2/7/2022 5:51:55	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023025	07-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh020722	2/7/2022 5:51:55	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0.55105	0.55105		0.5	0	0	0.0206	0.1	10	110%	20	120	0%	
2-Methylnaphthalene	A	ug/L	0.52831	0.52831		0.5	0	0	0.0176	0.1	10	106%	20	120	0%	
Acenaphthene	A	ug/L	0.53326	0.53326		0.5	0	0	0.0317	0.1	10	107%	20	120	0%	
Acenaphthylene	A	ug/L	0.50097	0.50097		0.5	0	0	0.025	0.1	10	100%	20	120	0%	
Anthracene	A	ug/L	0.56041	0.56041		0.5	0	0	0.0283	0.1	10	112%	20	120	0%	
Benzo(a)anthracene	A	ug/L	0.53711	0.53711		0.5	0	0	0.0272	0.1	10	107%	20	120	0%	
Benzo(a)pyrene	A	ug/L	0.53804	0.53804		0.5	0	0	0.0347	0.1	10	108%	20	120	0%	
Benzo(b)fluoranthene	A	ug/L	0.51471	0.51471		0.5	0	0	0.0226	0.1	10	103%	20	120	0%	
Benzo(g,h,i)perylene	A	ug/L	0.55731	0.55731		0.5	0	0	0.0267	0.1	10	111%	20	120	0%	
Benzo(k)fluoranthene	A	ug/L	0.54698	0.54698		0.5	0	0	0.0295	0.1	10	109%	20	120	0%	
Chrysene	A	ug/L	0.55326	0.55326		0.5	0	0	0.0458	0.1	10	111%	20	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	0.53394	0.53394		0.5	0	0	0.0367	0.1	10	107%	20	120	0%	
Fluoranthene	A	ug/L	0.53371	0.53371		0.5	0	0	0.0233	0.1	10	107%	20	120	0%	
Fluorene	A	ug/L	0.55073	0.55073		0.5	0	0	0.0225	0.1	10	110%	20	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0.5212	0.5212		0.5	0	0	0.0491	0.1	10	104%	20	120	0%	
Naphthalene	A	ug/L	0.53861	0.53861		0.5	0	0	0.029	0.1	10	108%	20	120	0%	
Phenanthrene	A	ug/L	0.53479	0.53479		0.5	0	0	0.0295	0.1	10	107%	20	120	0%	
Pyrene	A	ug/L	0.53513	0.53513		0.5	0	0	0.0239	0.1	10	107%	20	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	0.4922	0.4922		0.5	0	0	0.0444	0.1	10	98%	20	120	0%	
Nitrobenzene-d5	S	ug/L	0.50909	0.50909		0.5	0	0	0.0523	0.1	10	102%	20	120	0%	
Terphenyl-d14	S	ug/L	0.53943	0.53943		0.5	0	0	0.0563	0.1	10	108%	20	120	0%	
o-Terphenyl	X	ug/L	0.57099	0.57099		0.5	0	0	0.0654	0.1	10	114%	20	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023026	07-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh020722	2/7/2022 6:24:31	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023026	07-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh020722	2/7/2022 6:24:31	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0.18118	0.18118		0.2	0	0	0.0206	0.1	10	91%	20	120	0%	
2-Methylnaphthalene	A	ug/L	0.18638	0.18638		0.2	0	0	0.0176	0.1	10	93%	20	120	0%	
Acenaphthene	A	ug/L	0.19242	0.19242		0.2	0	0	0.0317	0.1	10	96%	20	120	0%	
Acenaphthylene	A	ug/L	0.18851	0.18851		0.2	0	0	0.025	0.1	10	94%	20	120	0%	
Anthracene	A	ug/L	0.20097	0.20097		0.2	0	0	0.0283	0.1	10	100%	20	120	0%	
Benzo(a)anthracene	A	ug/L	0.19775	0.19775		0.2	0	0	0.0272	0.1	10	99%	20	120	0%	
Benzo(a)pyrene	A	ug/L	0.19037	0.19037		0.2	0	0	0.0347	0.1	10	95%	20	120	0%	
Benzo(b)fluoranthene	A	ug/L	0.19357	0.19357		0.2	0	0	0.0226	0.1	10	97%	20	120	0%	
Benzo(g,h,i)perylene	A	ug/L	0.18918	0.18918		0.2	0	0	0.0267	0.1	10	95%	20	120	0%	
Benzo(k)fluoranthene	A	ug/L	0.21681	0.21681		0.2	0	0	0.0295	0.1	10	108%	20	120	0%	
Chrysene	A	ug/L	0.20993	0.20993		0.2	0	0	0.0458	0.1	10	105%	20	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	0.19731	0.19731		0.2	0	0	0.0367	0.1	10	99%	20	120	0%	
Fluoranthene	A	ug/L	0.19124	0.19124		0.2	0	0	0.0233	0.1	10	96%	20	120	0%	
Fluorene	A	ug/L	0.20262	0.20262		0.2	0	0	0.0225	0.1	10	101%	20	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0.19475	0.19475		0.2	0	0	0.0491	0.1	10	97%	20	120	0%	
Naphthalene	A	ug/L	0.18648	0.18648		0.2	0	0	0.029	0.1	10	93%	20	120	0%	
Phenanthrene	A	ug/L	0.19866	0.19866		0.2	0	0	0.0295	0.1	10	99%	20	120	0%	
Pyrene	A	ug/L	0.18664	0.18664		0.2	0	0	0.0239	0.1	10	93%	20	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	0.20277	0.20277		0.2	0	0	0.0444	0.1	10	101%	20	120	0%	
Nitrobenzene-d5	S	ug/L	0.20478	0.20478		0.2	0	0	0.0523	0.1	10	102%	20	120	0%	
Terphenyl-d14	S	ug/L	0.18979	0.18979		0.2	0	0	0.0563	0.1	10	95%	20	120	0%	
o-Terphenyl	X	ug/L	0.19845	0.19845		0.2	0	0	0.0654	0.1	10	99%	20	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023027	07-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh020722	2/7/2022 6:57:09	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023027	07-Feb-22_CAL	SVOC-8270-W-	ICAL	⁄5975.I\sh020722	2/7/2022 6:57:09	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0.10245	0.10245		0.1	0	0	0.0206	0.1	10	102%	20	120	0%	
2-Methylnaphthalene	A	ug/L	0.09821	0.09821		0.1	0	0	0.0176	0.1	10	98%	20	120	0%	
Acenaphthene	A	ug/L	0.10026	0.10026		0.1	0	0	0.0317	0.1	10	100%	20	120	0%	
Acenaphthylene	A	ug/L	0.11238	0.11238		0.1	0	0	0.025	0.1	10	112%	20	120	0%	
Anthracene	A	ug/L	0.08609	0.08609		0.1	0	0	0.0283	0.1	10	86%	20	120	0%	
Benzo(a)anthracene	A	ug/L	0.09264	0.09264		0.1	0	0	0.0272	0.1	10	93%	20	120	0%	
Benzo(a)pyrene	A	ug/L	0.10009	0.10009		0.1	0	0	0.0347	0.1	10	100%	20	120	0%	
Benzo(b)fluoranthene	A	ug/L	0.09947	0.09947		0.1	0	0	0.0226	0.1	10	99%	20	120	0%	
Benzo(g,h,i)perylene	A	ug/L	0.09461	0.09461		0.1	0	0	0.0267	0.1	10	95%	20	120	0%	
Benzo(k)fluoranthene	A	ug/L	0.08489	0.08489		0.1	0	0	0.0295	0.1	10	85%	20	120	0%	
Chrysene	A	ug/L	0.08618	0.08618		0.1	0	0	0.0458	0.1	10	86%	20	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	0.09397	0.09397		0.1	0	0	0.0367	0.1	10	94%	20	120	0%	
Fluoranthene	A	ug/L	0.09928	0.09928		0.1	0	0	0.0233	0.1	10	99%	20	120	0%	
Fluorene	A	ug/L	0.0921	0.0921		0.1	0	0	0.0225	0.1	10	92%	20	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0.10059	0.10059		0.1	0	0	0.0491	0.1	10	101%	20	120	0%	
Naphthalene	A	ug/L	0.10065	0.10065		0.1	0	0	0.029	0.1	10	101%	20	120	0%	
Phenanthrene	A	ug/L	0.09724	0.09724		0.1	0	0	0.0295	0.1	10	97%	20	120	0%	
Pyrene	A	ug/L	0.10102	0.10102		0.1	0	0	0.0239	0.1	10	101%	20	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	0.1047	0.1047		0.1	0	0	0.0444	0.1	10	105%	20	120	0%	
Nitrobenzene-d5	S	ug/L	0.11092	0.11092		0.1	0	0	0.0523	0.1	10	111%	20	120	0%	
Terphenyl-d14	S	ug/L	0.10055	0.10055		0.1	0	0	0.0563	0.1	10	101%	20	120	0%	
o-Terphenyl	X	ug/L	0.08409	0.08409		0.1	0	0	0.0654	0.1	10	84%	20	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023028	07-Feb-22_CCV	SVOC-8270-W-	ICV	⁄5975.I\sh020722	2/7/2022 7:29:39	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023028	07-Feb-22_CCV	SVOC-8270-W-	ICV	⁄5975.I\sh020722	2/7/2022 7:29:39	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	1.90897	1.90897		2	0	0	0.0206	0.1	10	95%	80	120	0%	
2-Methylnaphthalene	A	ug/L	2.27317	2.27317		2	0	0	0.0176	0.1	10	114%	80	120	0%	
Acenaphthene	A	ug/L	2.21396	2.21396		2	0	0	0.0317	0.1	10	111%	80	120	0%	
Acenaphthylene	A	ug/L	2.02088	2.02088		2	0	0	0.025	0.1	10	101%	80	120	0%	
Anthracene	A	ug/L	2.18829	2.18829		2	0	0	0.0283	0.1	10	109%	80	120	0%	
Benzo(a)anthracene	A	ug/L	2.21029	2.21029		2	0	0	0.0272	0.1	10	111%	80	120	0%	
Benzo(a)pyrene	A	ug/L	2.09473	2.09473		2	0	0	0.0347	0.1	10	105%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	2.15881	2.15881		2	0	0	0.0226	0.1	10	108%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	2.15947	2.15947		2	0	0	0.0267	0.1	10	108%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	2.24037	2.24037		2	0	0	0.0295	0.1	10	112%	80	120	0%	
Chrysene	A	ug/L	2.20287	2.20287		2	0	0	0.0458	0.1	10	110%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	2.18865	2.18865		2	0	0	0.0367	0.1	10	109%	80	120	0%	
Fluoranthene	A	ug/L	2.06947	2.06947		2	0	0	0.0233	0.1	10	103%	80	120	0%	
Fluorene	A	ug/L	1.98437	1.98437		2	0	0	0.0225	0.1	10	99%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	2.10273	2.10273		2	0	0	0.0491	0.1	10	105%	80	120	0%	
Naphthalene	A	ug/L	2.17168	2.17168		2	0	0	0.029	0.1	10	109%	80	120	0%	
Phenanthrene	A	ug/L	2.00454	2.00454		2	0	0	0.0295	0.1	10	100%	80	120	0%	
Pyrene	A	ug/L	2.08868	2.08868		2	0	0	0.0239	0.1	10	104%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	1.92892	1.92892		2	0	0	0.0444	0.1	10	96%	80	120	0%	
Nitrobenzene-d5	S	ug/L	1.8807	1.8807		2	0	0	0.0523	0.1	10	94%	80	120	0%	
Terphenyl-d14	S	ug/L	1.97417	1.97417		2	0	0	0.0563	0.1	10	99%	80	120	0%	
o-Terphenyl	X	ug/L	2.16588	2.16588		2	0	0	0.0654	0.1	10	108%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023029	07-Feb-22_ISTB	SVOC-8270-W-	SAMP	⁄5975.I\sh020722	2/7/2022 8:02:09	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023029	07-Feb-22_ISTB	SVOC-8270-W-	SAMP	⁄5975.I\sh020722	2/7/2022 8:02:09	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0206	0.1	10	0%	0	0	0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0176	0.1	10	0%	0	0	0%	
Acenaphthene	A	ug/L	0	0		0	0	0	0.0317	0.1	10	0%	0	0	0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	0.025	0.1	10	0%	0	0	0%	
Anthracene	A	ug/L	0	0		0	0	0	0.0283	0.1	10	0%	0	0	0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0272	0.1	10	0%	0	0	0%	
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0347	0.1	10	0%	0	0	0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0226	0.1	10	0%	0	0	0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0267	0.1	10	0%	0	0	0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%	0	0	0%	
Chrysene	A	ug/L	0	0		0	0	0	0.0458	0.1	10	0%	0	0	0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0367	0.1	10	0%	0	0	0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.0233	0.1	10	0%	0	0	0%	
Fluorene	A	ug/L	0	0		0	0	0	0.0225	0.1	10	0%	0	0	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0491	0.1	10	0%	0	0	0%	
Naphthalene	A	ug/L	0	0		0	0	0	0.029	0.1	10	0%	0	0	0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%	0	0	0%	
Pyrene	A	ug/L	0	0		0	0	0	0.0239	0.1	10	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
2-Fluorobiphenyl	S	ug/L	0	0		5	0	0	0.0444	0.1	10	0%	25	94	0%	S
Nitrobenzene-d5	S	ug/L	0	0		5	0	0	0.0523	0.1	10	0%	19	102	0%	S
Terphenyl-d14	S	ug/L	0	0		5	0	0	0.0563	0.1	10	0%	39	106	0%	S
o-Terphenyl	X	ug/L	0	0		200	0	0	0.0654	0.1	10	0%	40	140	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023030	MB-163333	SVOC-8270C-SI	MBLK	⁄5975.I\sh020722	2/7/2022 8:34:35	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023030	MB-163333	SVOC-8270C-SI	MBLK	✓5975.I\sh020722	2/7/2022 8:34:35	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0206	0.1	10	0%			0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0176	0.1	10	0%			0%	
Acenaphthene	A	ug/L	0	0		0	0	0	0.0317	0.1	10	0%			0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	0.025	0.1	10	0%			0%	
Anthracene	A	ug/L	0	0		0	0	0	0.0283	0.1	10	0%			0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0272	0.1	10	0%			0%	
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0347	0.1	10	0%			0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0226	0.1	10	0%			0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0267	0.1	10	0%			0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%			0%	
Chrysene	A	ug/L	0	0		0	0	0	0.0458	0.1	10	0%			0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0367	0.1	10	0%			0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.0233	0.1	10	0%			0%	
Fluorene	A	ug/L	0	0		0	0	0	0.0225	0.1	10	0%			0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0491	0.1	10	0%			0%	
Naphthalene	A	ug/L	0	0		0	0	0	0.029	0.1	10	0%			0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%			0%	
Pyrene	A	ug/L	0	0		0	0	0	0.0239	0.1	10	0%			0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%			0%	
2-Fluorobiphenyl	S	ug/L	59.02207	59.02207		100	0	0	0.0444	0.1	10	59%	25	94	0%	
Nitrobenzene-d5	S	ug/L	89.97637	89.97637		100	0	0	0.0523	0.1	10	90%	19	102	0%	
Terphenyl-d14	S	ug/L	69.49273	69.49273		100	0	0	0.0563	0.1	10	69%	39	106	0%	
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0654	0	0	0%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023031	LLCS-163333	SVOC-8270C-SI	LCS-DOD	✓5975.I\sh020722	2/7/2022 9:07:07	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023031	LLCS-163333	SVOC-8270C-SI	LCS-DOD	⁄5975.I\sh020722	2/7/2022 9:07:07	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	6.08031	6.08031		10	0	0	0.0206	0.1	10	61%	41	115	0%	
2-Methylnaphthalene	A	ug/L	5.90567	5.90567		10	0	0	0.0176	0.1	10	59%	39	114	0%	
Acenaphthene	A	ug/L	8.02153	8.02153		10	0	0	0.0317	0.1	10	80%	48	114	0%	
Acenaphthylene	A	ug/L	7.31681	7.31681		10	0	0	0.025	0.1	10	73%	35	121	0%	
Anthracene	A	ug/L	7.92812	7.92812		10	0	0	0.0283	0.1	10	79%	53	119	0%	
Benzo(a)anthracene	A	ug/L	8.85119	8.85119		10	0	0	0.0272	0.1	10	89%	59	120	0%	
Benzo(a)pyrene	A	ug/L	8.59933	8.59933		10	0	0	0.0347	0.1	10	86%	53	120	0%	
Benzo(b)fluoranthene	A	ug/L	9.44201	9.44201		10	0	0	0.0226	0.1	10	94%	53	126	0%	
Benzo(g,h,i)perylene	A	ug/L	9.09116	9.09116		10	0	0	0.0267	0.1	10	91%	44	128	0%	
Benzo(k)fluoranthene	A	ug/L	9.10259	9.10259		10	0	0	0.0295	0.1	10	91%	54	125	0%	
Chrysene	A	ug/L	8.93736	8.93736		10	0	0	0.0458	0.1	10	89%	57	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	9.11594	9.11594		10	0	0	0.0367	0.1	10	91%	44	141	0%	
Fluoranthene	A	ug/L	8.6411	8.6411		10	0	0	0.0233	0.1	10	86%	58	120	0%	
Fluorene	A	ug/L	8.32092	8.32092		10	0	0	0.0225	0.1	10	83%	50	118	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	8.83922	8.83922		10	0	0	0.0491	0.1	10	88%	48	130	0%	
Naphthalene	A	ug/L	5.94218	5.94218		10	0	0	0.029	0.1	10	59%	43	114	0%	
Phenanthrene	A	ug/L	7.54069	7.54069		10	0	0	0.0295	0.1	10	75%	53	115	0%	
Pyrene	A	ug/L	8.78537	8.78537		10	0	0	0.0239	0.1	10	88%	53	121	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%			0%	
2-Fluorobiphenyl	S	ug/L	3.83166	3.83166		5	0	0	0.0444	0.1	10	77%	53	106	0%	
Nitrobenzene-d5	S	ug/L	4.00863	4.00863		5	0	0	0.0523	0.1	10	80%	55	111	0%	
Terphenyl-d14	S	ug/L	4.59129	4.59129		5	0	0	0.0563	0.1	10	92%	58	132	0%	
o-Terphenyl	X	ug/L	7.47496	7.47496		10	0	0	0.0654	0	0	75%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023032	LLCSD-163333	SVOC-8270C-SI	LCSD-DOD	⁄5975.I\sh020722	2/7/2022 9:39:34	1	163333	1/28/2022 9:	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023032	LLCSD-163333	SVOC-8270C-SI	LCSD-DOD	⁄5975.I\sh020722	2/7/2022 9:39:34	1	163333	1/28/2022 9:	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	5.61669	5.61669		10	0	6.08031	0.0206	0.1	10	56%	41	115	8%	
2-Methylnaphthalene	A	ug/L	5.4664	5.4664		10	0	5.90567	0.0176	0.1	10	55%	39	114	8%	
Acenaphthene	A	ug/L	7.74771	7.74771		10	0	8.02153	0.0317	0.1	10	77%	48	114	3%	
Acenaphthylene	A	ug/L	6.86828	6.86828		10	0	7.31681	0.025	0.1	10	69%	35	121	6%	
Anthracene	A	ug/L	7.94978	7.94978		10	0	7.92812	0.0283	0.1	10	79%	53	119	0%	
Benzo(a)anthracene	A	ug/L	8.73566	8.73566		10	0	8.85119	0.0272	0.1	10	87%	59	120	1%	
Benzo(a)pyrene	A	ug/L	8.29495	8.29495		10	0	8.59933	0.0347	0.1	10	83%	53	120	4%	
Benzo(b)fluoranthene	A	ug/L	9.28931	9.28931		10	0	9.44201	0.0226	0.1	10	93%	53	126	2%	
Benzo(g,h,i)perylene	A	ug/L	9.01444	9.01444		10	0	9.09116	0.0267	0.1	10	90%	44	128	1%	
Benzo(k)fluoranthene	A	ug/L	9.06533	9.06533		10	0	9.10259	0.0295	0.1	10	91%	54	125	0%	
Chrysene	A	ug/L	8.83091	8.83091		10	0	8.93736	0.0458	0.1	10	88%	57	120	1%	
Dibenzo(a,h)anthracene	A	ug/L	9.1484	9.1484		10	0	9.11594	0.0367	0.1	10	91%	44	141	0%	
Fluoranthene	A	ug/L	8.87847	8.87847		10	0	8.6411	0.0233	0.1	10	89%	58	120	3%	
Fluorene	A	ug/L	7.85541	7.85541		10	0	8.32092	0.0225	0.1	10	79%	50	118	6%	
Indeno(1,2,3-cd)pyrene	A	ug/L	8.62867	8.62867		10	0	8.83922	0.0491	0.1	10	86%	48	130	2%	
Naphthalene	A	ug/L	5.31591	5.31591		10	0	5.94218	0.029	0.1	10	53%	43	114	11%	
Phenanthrene	A	ug/L	7.83033	7.83033		10	0	7.54069	0.0295	0.1	10	78%	53	115	4%	
Pyrene	A	ug/L	8.97238	8.97238		10	0	8.78537	0.0239	0.1	10	90%	53	121	2%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%			0%	
2-Fluorobiphenyl	S	ug/L	3.67663	3.67663		5	0	0	0.0444	0.1	10	74%	53	106	0%	
Nitrobenzene-d5	S	ug/L	4.11177	4.11177		5	0	0	0.0523	0.1	10	82%	55	111	0%	
Terphenyl-d14	S	ug/L	4.51809	4.51809		5	0	0	0.0563	0.1	10	90%	58	132	0%	
o-Terphenyl	X	ug/L	7.47155	7.47155		10	0	7.47496	0.0654	0	0	75%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023033	B22011592-001	SVOC-8270C-SI	SAMP	⁄5975.I\sh020722	2/7/2022 10:12:0	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023033	B22011592-001	SVOC-8270C-SI	SAMP	√5975.I\sh020722	2/7/2022 10:12:0	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0196112	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0167552	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0301784	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0238	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0269416	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0.10861	0.10339672		0	0	0	0.0258944	0.1	10	0%	0	0	0%	
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0330344	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0.17977	0.17114104		0	0	0	0.0215152	0.1	10	0%	0	0	0%	
Benzo(g,h,i)perylene	A	ug/L	0.07336	0.06983872		0	0	0	0.0254184	0.1	10	0%	0	0	0%	J
Benzo(k)fluoranthene	A	ug/L	0.12222	0.11635344		0	0	0	0.028084	0.1	10	0%	0	0	0%	
Chrysene	A	ug/L	0.11814	0.11246928		0	0	0	0.0436016	0.1	10	0%	0	0	0%	
Dibenzo(a,h)anthracene	A	ug/L	0.03934	0.03745168		0	0	0	0.0349384	0.1	10	0%	0	0	0%	J
Fluoranthene	A	ug/L	0.04494	0.04278288		0	0	0	0.0221816	0.1	10	0%	0	0	0%	J
Fluorene	A	ug/L	0	0		0	0	0	0.02142	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0.1131	0.1076712		0	0	0	0.0467432	0.1	10	0%	0	0	0%	
Naphthalene	A	ug/L	0	0		0	0	0	0.027608	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0.03386	0.03223472		0	0	0	0.0227528	0.1	10	0%	0	0	0%	J
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0622608	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023034	B22011592-001	SVOC-8270C-SI	MS-DOD	√5975.I\sh020722	2/7/2022 10:44:3	1	163333	1/28/2022 9:	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.82174	2.71451388		4.81	0	0	0.0198172	0.1	10	56%	41	115	0%	
2-Methylnaphthalene	A	ug/L	2.91568	2.80488416		4.81	0	0	0.0169312	0.1	10	58%	39	114	0%	
Acenaphthene	A	ug/L	3.8012	3.6567544		4.81	0	0	0.0304954	0.1	10	76%	48	114	0%	
Acenaphthylene	A	ug/L	3.50777	3.37447474		4.81	0	0	0.02405	0.1	10	70%	35	121	0%	
Anthracene	A	ug/L	4.32908	4.16457496		4.81	0	0	0.0272246	0.1	10	87%	53	119	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023034	B22011592-001	SVOC-8270C-SI	MS-DOD	⁄5975.I\sh020722	2/7/2022 10:44:3	1	163333	1/28/2022 9:	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)anthracene	A	ug/L	4.509	4.337658		4.81	0.1033967	0	0.0261664	0.1	10	88%	59	120	0%	
Benzo(a)pyrene	A	ug/L	4.18703	4.02792286		4.81	0	0	0.0333814	0.1	10	84%	53	120	0%	
Benzo(b)fluoranthene	A	ug/L	4.75779	4.57699398		4.81	0.1711410	0	0.0217412	0.1	10	92%	53	126	0%	
Benzo(g,h,i)perylene	A	ug/L	4.72231	4.54286222		4.81	0.0698387	0	0.0256854	0.1	10	93%	44	128	0%	
Benzo(k)fluoranthene	A	ug/L	4.38713	4.22041906		4.81	0.1163534	0	0.028379	0.1	10	85%	54	125	0%	
Chrysene	A	ug/L	4.58009	4.40604658		4.81	0.1124693	0	0.0440596	0.1	10	89%	57	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.73378	4.55389636		4.81	0.0374517	0	0.0353054	0.1	10	94%	44	141	0%	
Fluoranthene	A	ug/L	4.84008	4.65615696		4.81	0.0427829	0	0.0224146	0.1	10	96%	58	120	0%	
Fluorene	A	ug/L	3.96305	3.8124541		4.81	0	0	0.021645	0.1	10	79%	50	118	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.58659	4.41229958		4.81	0.1076712	0	0.0472342	0.1	10	89%	48	130	0%	
Naphthalene	A	ug/L	2.81505	2.7080781		4.81	0	0	0.027898	0.1	10	56%	43	114	0%	
Phenanthrene	A	ug/L	4.21383	4.05370446		4.81	0	0	0.028379	0.1	10	84%	53	115	0%	
Pyrene	A	ug/L	4.63058	4.45461796		4.81	0.0322347	0	0.0229918	0.1	10	92%	53	121	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Perylene-d12	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	38.48		0	0	0	0.0962	0.1	10	0%			0%	
2-Fluorobiphenyl	S	ug/L	4.82955	4.6460271		4.81	0	0	0.0427128	0.1	10	97%	53	106	0%	
Nitrobenzene-d5	S	ug/L	5.12575	4.9309715		4.81	0	0	0.0503126	0.1	10	103%	55	111	0%	
Terphenyl-d14	S	ug/L	5.9708	5.7439096		4.81	0	0	0.0541606	0.1	10	119%	58	132	0%	
o-Terphenyl	X	ug/L	4.13076	3.97379112		4.81	0	0	0.0629148	0	0	83%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023035	B22011592-006	SVOC-8270C-SI	SAMP	⁄5975.I\sh020722	2/7/2022 11:17:1	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.021012	0.102	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.017952	0.102	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.032334	0.102	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0255	0.102	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.028866	0.102	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.027744	0.102	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.035394	0.102	10	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023035	B22011592-006	SVOC-8270C-SI	SAMP	⁄5975.I\sh020722	2/7/2022 11:17:1	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.023052	0.102	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.027234	0.102	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.03009	0.102	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.046716	0.102	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.037434	0.102	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.023766	0.102	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.02295	0.102	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.050082	0.102	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.02958	0.102	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.03009	0.102	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.024378	0.102	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%	0	0	0%	
Perylene-d12	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40.8		0	0	0	0.102	0.102	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.066708	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023036	B22011592-006	SVOC-8270C-SI	MS-DOD	⁄5975.I\sh020722	2/7/2022 11:49:5	1	163333	1/28/2022 9:	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	3.26904	3.3344208		5.1	0	0	0.021012	0.102	10	65%	41	115	0%	
2-Methylnaphthalene	A	ug/L	3.20246	3.2665092		5.1	0	0	0.017952	0.102	10	64%	39	114	0%	
Acenaphthene	A	ug/L	4.44822	4.5371844		5.1	0	0	0.032334	0.102	10	89%	48	114	0%	
Acenaphthylene	A	ug/L	4.06171	4.1429442		5.1	0	0	0.0255	0.102	10	81%	35	121	0%	
Anthracene	A	ug/L	4.48073	4.5703446		5.1	0	0	0.028866	0.102	10	90%	53	119	0%	
Benzo(a)anthracene	A	ug/L	4.68042	4.7740284		5.1	0	0	0.027744	0.102	10	94%	59	120	0%	
Benzo(a)pyrene	A	ug/L	4.04133	4.1221566		5.1	0	0	0.035394	0.102	10	81%	53	120	0%	
Benzo(b)fluoranthene	A	ug/L	4.78352	4.8791904		5.1	0	0	0.023052	0.102	10	96%	53	126	0%	
Benzo(g,h,i)perylene	A	ug/L	4.65069	4.7437038		5.1	0	0	0.027234	0.102	10	93%	44	128	0%	
Benzo(k)fluoranthene	A	ug/L	4.44313	4.5319926		5.1	0	0	0.03009	0.102	10	89%	54	125	0%	
Chrysene	A	ug/L	4.45627	4.5453954		5.1	0	0	0.046716	0.102	10	89%	57	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.87468	4.9721736		5.1	0	0	0.037434	0.102	10	97%	44	141	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023036	B22011592-006	SVOC-8270C-SI	MS-DOD	⁄5975.I\sh020722	2/7/2022 11:49:5	1	163333	1/28/2022 9:	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluoranthene	A	ug/L	4.81227	4.9085154		5.1	0	0	0.023766	0.102	10	96%	58	120	0%	
Fluorene	A	ug/L	4.48366	4.5733332		5.1	0	0	0.02295	0.102	10	90%	50	118	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.44244	4.5312888		5.1	0	0	0.050082	0.102	10	89%	48	130	0%	
Naphthalene	A	ug/L	3.3869	3.454638		5.1	0	0	0.02958	0.102	10	68%	43	114	0%	
Phenanthrene	A	ug/L	4.39766	4.4856132		5.1	0	0	0.03009	0.102	10	88%	53	115	0%	
Pyrene	A	ug/L	4.56707	4.6584114		5.1	0	0	0.024378	0.102	10	91%	53	121	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%			0%	
Acenaphthene-d10	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%			0%	
Chrysene-d12	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%			0%	
Naphthalene-d8	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%			0%	
Perylene-d12	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%			0%	
Phenanthrene-d10	I	ug/L	40	40.8		0	0	0	0.102	0.102	10	0%			0%	
2-Fluorobiphenyl	S	ug/L	5.66306	5.7763212		5.1	0	0	0.045288	0.102	10	113%	53	106	0%	S
Nitrobenzene-d5	S	ug/L	6.12139	6.2438178		5.1	0	0	0.053346	0.102	10	122%	55	111	0%	S
Terphenyl-d14	S	ug/L	6.28527	6.4109754		5.1	0	0	0.057426	0.102	10	126%	58	132	0%	
o-Terphenyl	X	ug/L	4.193	4.27686		5.1	0	0	0.066708	0	0	84%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023037	B22011592-007	SVOC-8270C-SI	SAMP	⁄5975.I\sh020722	2/8/2022 12:22:2	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.021424	0.104	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.018304	0.104	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.032968	0.104	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.026	0.104	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.029432	0.104	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.028288	0.104	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.036088	0.104	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.023504	0.104	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.027768	0.104	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.03068	0.104	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.047632	0.104	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.038168	0.104	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0.05039	0.0524056		0	0	0	0.024232	0.104	10	0%	0	0	0%	J
Fluorene	A	ug/L	0	0		0	0	0	0.0234	0.104	10	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023037	B22011592-007	SVOC-8270C-SI	SAMP	⁄5975.I\sh020722⁄2/8/2022 12:22:2		1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.051064	0.104	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.03016	0.104	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.03068	0.104	10	0%	0	0	0%	U
Pyrene	A	ug/L	0.03041	0.0316264		0	0	0	0.024856	0.104	10	0%	0	0	0%	J
1,4-Dichlorobenzene-d4	I	ug/L	40	41.6		0	0	0	0.104	0.104		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	41.6		0	0	0	0.104	0.104		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	41.6		0	0	0	0.104	0.104		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	41.6		0	0	0	0.104	0.104		0%	0	0	0%	
Perylene-d12	I	ug/L	40	41.6		0	0	0	0.104	0.104		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	41.6		0	0	0	0.104	0.104	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.068016	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023038	B22011592-012	SVOC-8270C-SI	SAMP	⁄5975.I\sh020722⁄2/8/2022 12:54:4		1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.021012	0.102	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.017952	0.102	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.032334	0.102	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0255	0.102	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.028866	0.102	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.027744	0.102	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.035394	0.102	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.023052	0.102	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.027234	0.102	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.03009	0.102	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.046716	0.102	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.037434	0.102	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.023766	0.102	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.02295	0.102	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.050082	0.102	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.02958	0.102	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.03009	0.102	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.024378	0.102	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023038	B22011592-012	SVOC-8270C-SI	SAMP	⁄5975.I\sh020722	2/8/2022 12:54:4	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Acenaphthene-d10	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%	0	0	0%	
Perylene-d12	I	ug/L	40	40.8		0	0	0	0.102	0.102		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40.8		0	0	0	0.102	0.102	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.066708	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023039	B22011592-017	SVOC-8270C-SI	SAMP	⁄5975.I\sh020722	2/8/2022 1:27:22	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.020188	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.017248	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.031066	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0245	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.027734	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.026656	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.034006	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.022148	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.026166	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.02891	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.044884	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.035966	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.022834	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.02205	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.048118	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.02842	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.02891	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.023422	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	39.2		0	0	0	0.098	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	39.2		0	0	0	0.098	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	39.2		0	0	0	0.098	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	39.2		0	0	0	0.098	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	39.2		0	0	0	0.098	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	39.2		0	0	0	0.098	0.1	10	0%	0	0	0%	E

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023039	B22011592-017	SVOC-8270C-SI	SAMP	√5975.I\sh020722	2/8/2022 1:27:22	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
o-Terphenyl	X	ug/L	0	0		0	0	0	0.064092	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023040	B22011592-022	SVOC-8270C-SI	SAMP	√5975.I\sh020722	2/8/2022 1:59:45	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0206	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0176	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0317	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.025	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0283	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0272	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0347	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0226	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0267	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0458	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0367	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.0233	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.0225	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0491	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.029	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.0239	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0654	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023041	B22011592-027	SVOC-8270C-SI	SAMP	⁄5975.I\sh020722	2/8/2022 2:32:14	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.020394	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.017424	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.031383	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.02475	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.028017	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.026928	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.034353	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.022374	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.026433	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.029205	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.045342	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.036333	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.023067	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.022275	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.048609	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.02871	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.029205	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.023661	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	39.6		0	0	0	0.099	0.1	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.064746	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023042	B22011717-001	SVOC-8270C-SI	SAMP	⁄5975.I\sh020722	2/8/2022 3:04:37	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0206	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0176	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0317	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.025	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0283	0.1	10	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023042	B22011717-001	SVOC-8270C-SI	SAMP	√5975.I\sh020722`2/8/2022 3:04:37		1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0272	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0347	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0226	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0267	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0458	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0367	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.0233	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.0225	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0491	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.029	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.0239	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%	0	0	0%	E
o-Terphenyl	X	ug/L	0.09526	0.09526		0	0	0	0.0654	0	0	0%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023054	07-Feb-22_CCV	SVOC-8270C-SI	CCV	√5975.I\sh020722`2/7/2022 7:29:39		1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	1.90897	1.90897		2	0	0	0.0206	0.1	10	95%	80	120	0%	
2-Methylnaphthalene	A	ug/L	2.27317	2.27317		2	0	0	0.0176	0.1	10	114%	80	120	0%	
Acenaphthene	A	ug/L	2.21396	2.21396		2	0	0	0.0317	0.1	10	111%	80	120	0%	
Acenaphthylene	A	ug/L	2.02088	2.02088		2	0	0	0.025	0.1	10	101%	80	120	0%	
Anthracene	A	ug/L	2.18829	2.18829		2	0	0	0.0283	0.1	10	109%	80	120	0%	
Benzo(a)anthracene	A	ug/L	2.21029	2.21029		2	0	0	0.0272	0.1	10	111%	80	120	0%	
Benzo(a)pyrene	A	ug/L	2.09473	2.09473		2	0	0	0.0347	0.1	10	105%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	2.15881	2.15881		2	0	0	0.0226	0.1	10	108%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	2.15947	2.15947		2	0	0	0.0267	0.1	10	108%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	2.24037	2.24037		2	0	0	0.0295	0.1	10	112%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023054	07-Feb-22_CCV	SVOC-8270C-SI	CCV	⁄5975.I\sh020722⁀2/7/2022 7:29:39		1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Chrysene	A	ug/L	2.20287	2.20287		2	0	0	0.0458	0.1	10	110%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	2.18865	2.18865		2	0	0	0.0367	0.1	10	109%	80	120	0%	
Fluoranthene	A	ug/L	2.06947	2.06947		2	0	0	0.0233	0.1	10	103%	80	120	0%	
Fluorene	A	ug/L	1.98437	1.98437		2	0	0	0.0225	0.1	10	99%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	2.10273	2.10273		2	0	0	0.0491	0.1	10	105%	80	120	0%	
Naphthalene	A	ug/L	2.17168	2.17168		2	0	0	0.029	0.1	10	109%	80	120	0%	
Phenanthrene	A	ug/L	2.00454	2.00454		2	0	0	0.0295	0.1	10	100%	80	120	0%	
Pyrene	A	ug/L	2.08868	2.08868		2	0	0	0.0239	0.1	10	104%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	1.92892	1.92892		2	0	0	0.0444	0.1	10	96%	80	120	0%	
Nitrobenzene-d5	S	ug/L	1.8807	1.8807		2	0	0	0.0523	0.1	10	94%	80	120	0%	
Terphenyl-d14	S	ug/L	1.97417	1.97417		2	0	0	0.0563	0.1	10	99%	80	120	0%	
o-Terphenyl	X	ug/L	2.16588	2.16588		2	0	0	0.0654	0	0	108%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023057	07-Feb-22_CCV	SVOC-8270C-SI	CCV	⁄5975.I\sh020722⁀2/8/2022 3:37:04		1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	1.67863	1.67863		2	0	0	0.0206	0.1	10	84%	50	150	0%	
2-Methylnaphthalene	A	ug/L	1.94109	1.94109		2	0	0	0.0176	0.1	10	97%	50	150	0%	
Acenaphthene	A	ug/L	1.82552	1.82552		2	0	0	0.0317	0.1	10	91%	50	150	0%	
Acenaphthylene	A	ug/L	1.79322	1.79322		2	0	0	0.025	0.1	10	90%	50	150	0%	
Anthracene	A	ug/L	1.89835	1.89835		2	0	0	0.0283	0.1	10	95%	50	150	0%	
Benzo(a)anthracene	A	ug/L	1.83586	1.83586		2	0	0	0.0272	0.1	10	92%	50	150	0%	
Benzo(a)pyrene	A	ug/L	1.85664	1.85664		2	0	0	0.0347	0.1	10	93%	50	150	0%	
Benzo(b)fluoranthene	A	ug/L	1.90512	1.90512		2	0	0	0.0226	0.1	10	95%	50	150	0%	
Benzo(g,h,i)perylene	A	ug/L	1.9046	1.9046		2	0	0	0.0267	0.1	10	95%	50	150	0%	
Benzo(k)fluoranthene	A	ug/L	1.92306	1.92306		2	0	0	0.0295	0.1	10	96%	50	150	0%	
Chrysene	A	ug/L	1.92963	1.92963		2	0	0	0.0458	0.1	10	96%	50	150	0%	
Dibenzo(a,h)anthracene	A	ug/L	1.96143	1.96143		2	0	0	0.0367	0.1	10	98%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15023057	07-Feb-22_CCV	SVOC-8270C-SI	CCV	✓5975.I\sh020722	2/8/2022 3:37:04	1	R374346		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluoranthene	A	ug/L	1.86823	1.86823		2	0	0	0.0233	0.1	10	93%	50	150	0%	
Fluorene	A	ug/L	1.75452	1.75452		2	0	0	0.0225	0.1	10	88%	50	150	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	1.96146	1.96146		2	0	0	0.0491	0.1	10	98%	50	150	0%	
Naphthalene	A	ug/L	1.82311	1.82311		2	0	0	0.029	0.1	10	91%	50	150	0%	
Phenanthrene	A	ug/L	1.81776	1.81776		2	0	0	0.0295	0.1	10	91%	50	150	0%	
Pyrene	A	ug/L	1.89434	1.89434		2	0	0	0.0239	0.1	10	95%	50	150	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%	50	150	0%	
2-Fluorobiphenyl	S	ug/L	1.8714	1.8714		2	0	0	0.0444	0.1	10	94%	50	150	0%	
Nitrobenzene-d5	S	ug/L	1.67863	1.67863		2	0	0	0.0523	0.1	10	84%	50	150	0%	
Terphenyl-d14	S	ug/L	1.86908	1.86908		2	0	0	0.0563	0.1	10	93%	50	150	0%	
o-Terphenyl	X	ug/L	1.89291	1.89291		2	0	0	0.0654	0	0	95%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044510	LLCS-163333	SVOC-8270-W-	LCS	✓5975.I\sh020722	2/7/2022 9:07:07	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	6.08031	6.08031		10	0	0	0.0206	0.1	10	61%	18	117	0%	
2-Methylnaphthalene	A	ug/L	5.90567	5.90567		10	0	0	0.0176	0.1	10	59%	18	117	0%	
Acenaphthene	A	ug/L	8.02153	8.02153		10	0	0	0.0317	0.1	10	80%	40	92	0%	
Acenaphthylene	A	ug/L	7.31681	7.31681		10	0	0	0.025	0.1	10	73%	37	96	0%	
Anthracene	A	ug/L	7.92812	7.92812		10	0	0	0.0283	0.1	10	79%	46	108	0%	
Benzo(a)anthracene	A	ug/L	8.85119	8.85119		10	0	0	0.0272	0.1	10	89%	41	105	0%	
Benzo(a)pyrene	A	ug/L	8.59933	8.59933		10	0	0	0.0347	0.1	10	86%	42	110	0%	
Benzo(b)fluoranthene	A	ug/L	9.44201	9.44201		10	0	0	0.0226	0.1	10	94%	27	121	0%	
Benzo(g,h,i)perylene	A	ug/L	9.09116	9.09116		10	0	0	0.0267	0.1	10	91%	44	108	0%	
Benzo(k)fluoranthene	A	ug/L	9.10259	9.10259		10	0	0	0.0295	0.1	10	91%	44	111	0%	
Chrysene	A	ug/L	8.93736	8.93736		10	0	0	0.0458	0.1	10	89%	50	106	0%	
Dibenzo(a,h)anthracene	A	ug/L	9.11594	9.11594		10	0	0	0.0367	0.1	10	91%	47	111	0%	
Fluoranthene	A	ug/L	8.6411	8.6411		10	0	0	0.0233	0.1	10	86%	44	111	0%	
Fluorene	A	ug/L	8.32092	8.32092		10	0	0	0.0225	0.1	10	83%	42	99	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044510	LLCS-163333	SVOC-8270-W-	LCS	√5975.I\sh020722	2/7/2022 9:07:07	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Indeno(1,2,3-cd)pyrene	A	ug/L	8.83922	8.83922		10	0	0	0.0491	0.1	10	88%	33	112	0%	
Naphthalene	A	ug/L	5.94218	5.94218		10	0	0	0.029	0.1	10	59%	22	108	0%	
Phenanthrene	A	ug/L	7.54069	7.54069		10	0	0	0.0295	0.1	10	75%	43	106	0%	
Pyrene	A	ug/L	8.78537	8.78537		10	0	0	0.0239	0.1	10	88%	41	106	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	3.83166	3.83166		5	0	0	0.0444	0.1	10	77%	25	94	0%	
Nitrobenzene-d5	S	ug/L	4.00863	4.00863		5	0	0	0.0523	0.1	10	80%	19	102	0%	
Terphenyl-d14	S	ug/L	4.59129	4.59129		5	0	0	0.0563	0.1	10	92%	39	106	0%	
o-Terphenyl	X	ug/L	7.47496	7.47496		10	0	0	0.0654	0.1	10	75%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044511	LLCSD-163333	SVOC-8270-W-	LCSD	√5975.I\sh020722	2/7/2022 9:39:34	1	163333	1/28/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	5.61669	5.61669		10	0	0	0.0206	0.1	10	56%	18	117	0%	
2-Methylnaphthalene	A	ug/L	5.4664	5.4664		10	0	0	0.0176	0.1	10	55%	18	117	0%	
Acenaphthene	A	ug/L	7.74771	7.74771		10	0	0	0.0317	0.1	10	77%	40	92	0%	
Acenaphthylene	A	ug/L	6.86828	6.86828		10	0	0	0.025	0.1	10	69%	37	96	0%	
Anthracene	A	ug/L	7.94978	7.94978		10	0	0	0.0283	0.1	10	79%	46	108	0%	
Benzo(a)anthracene	A	ug/L	8.73566	8.73566		10	0	0	0.0272	0.1	10	87%	41	105	0%	
Benzo(a)pyrene	A	ug/L	8.29495	8.29495		10	0	0	0.0347	0.1	10	83%	42	110	0%	
Benzo(b)fluoranthene	A	ug/L	9.28931	9.28931		10	0	0	0.0226	0.1	10	93%	27	121	0%	
Benzo(g,h,i)perylene	A	ug/L	9.01444	9.01444		10	0	0	0.0267	0.1	10	90%	44	108	0%	
Benzo(k)fluoranthene	A	ug/L	9.06533	9.06533		10	0	0	0.0295	0.1	10	91%	44	111	0%	
Chrysene	A	ug/L	8.83091	8.83091		10	0	0	0.0458	0.1	10	88%	50	106	0%	
Dibenzo(a,h)anthracene	A	ug/L	9.1484	9.1484		10	0	0	0.0367	0.1	10	91%	47	111	0%	
Fluoranthene	A	ug/L	8.87847	8.87847		10	0	0	0.0233	0.1	10	89%	44	111	0%	
Fluorene	A	ug/L	7.85541	7.85541		10	0	0	0.0225	0.1	10	79%	42	99	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	8.62867	8.62867		10	0	0	0.0491	0.1	10	86%	33	112	0%	
Naphthalene	A	ug/L	5.31591	5.31591		10	0	0	0.029	0.1	10	53%	22	108	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044511	LLCSD-163333	SVOC-8270-W-	LCSD	⁄5975.I\sh020722	2/7/2022 9:39:34	1	163333	1/28/2022 9:	0	0	

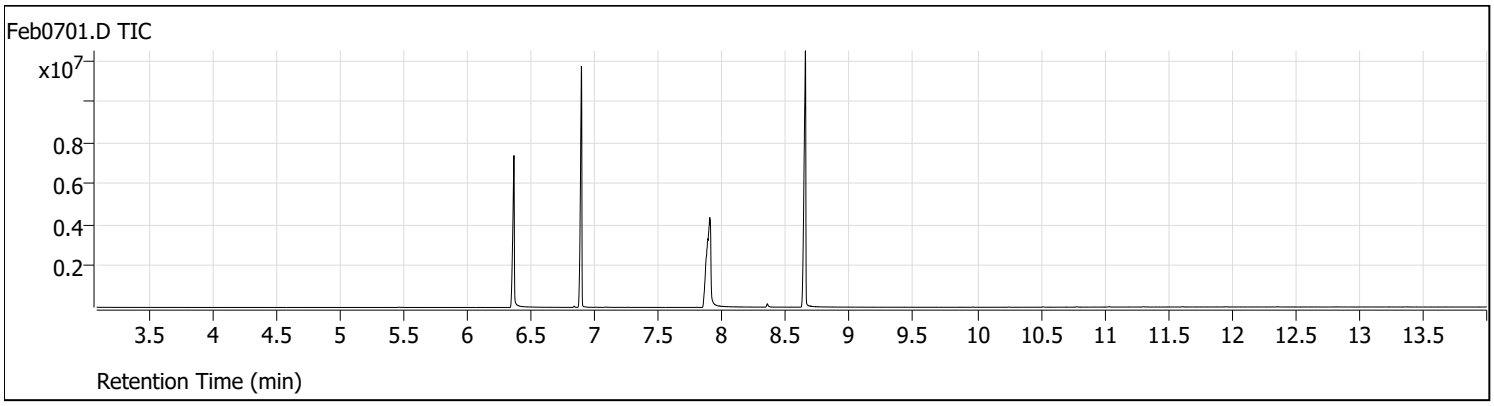
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Phenanthrene	A	ug/L	7.83033	7.83033		10	0	0	0.0295	0.1	10	78%	43	106	0%	
Pyrene	A	ug/L	8.97238	8.97238		10	0	0	0.0239	0.1	10	90%	41	106	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	3.67663	3.67663		5	0	0	0.0444	0.1	10	74%	25	94	0%	
Nitrobenzene-d5	S	ug/L	4.11177	4.11177		5	0	0	0.0523	0.1	10	82%	19	102	0%	
Terphenyl-d14	S	ug/L	4.51809	4.51809		5	0	0	0.0563	0.1	10	90%	39	106	0%	
o-Terphenyl	X	ug/L	7.47155	7.47155		10	0	0	0.0654	0.1	10	75%	40	140	0%	

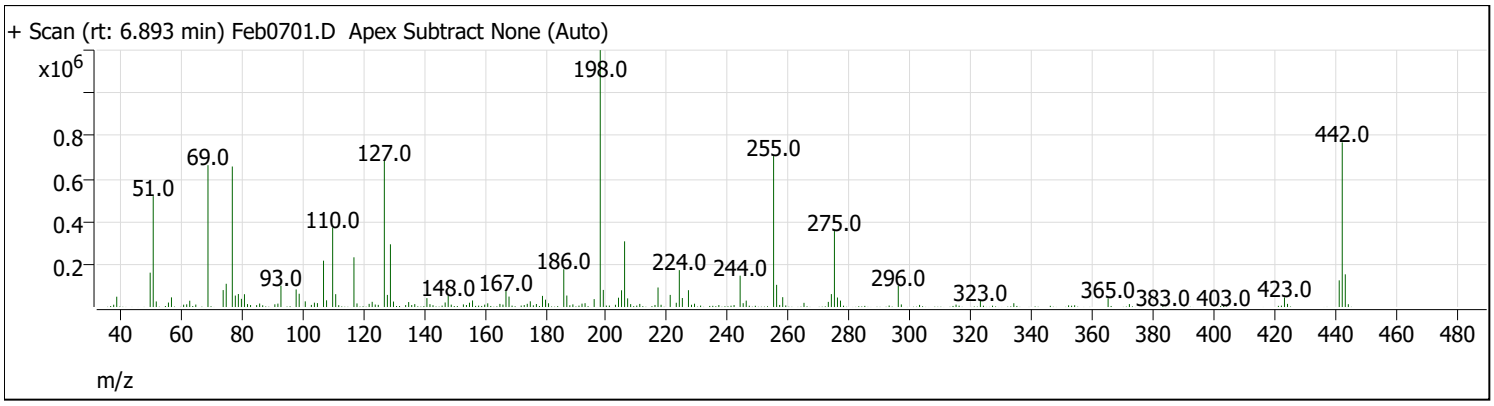
Write Sequence | Insert Entries(Have the first cell for entries selecte

File Name	Sample Name	Line No.	Test Code	Multiplier	Divisor	Method Name
Feb0701.d	07-Feb-22_TUNE_1	1		1	1	5975Tune.M
Feb0702.d	07-Feb-22_CAL_7	2	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb0703.d	07-Feb-22_CAL_6	3	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb0704.d	07-Feb-22_CAL_5	4	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb0705.d	07-Feb-22_CAL_4	5	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb0706.d	07-Feb-22_CAL_3	6	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb0707.d	07-Feb-22_CAL_2	7	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb0708.d	07-Feb-22_CAL_1	8	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb0709.d	07-Feb-22_CCV_9	9	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb0710.d	07-Feb-22_ISTBLK_10	10	SVOC-8270-W-LLPAH	1	1	5975BNASIM.M
Feb0711.d	MB-163333	11	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0712.d	LLCS-163333	12	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0713.d	LLCSD-163333	13	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0714.d	B22011592-001C	14	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0715.d	B22011592-001CLMS	15	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0716.d	B22011592-006C	16	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0717.d	B22011592-006CLMS	17	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0718.d	B22011592-007A	18	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0719.d	B22011592-012C	19	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0720.d	B22011592-017C	20	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0721.d	B22011592-022C	21	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0722.d	B22011592-027C	22	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0723.d	B22011717-001C	23	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb0724.d	07-Feb-22_CCV_24	4	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M

Tune Evaluation Report

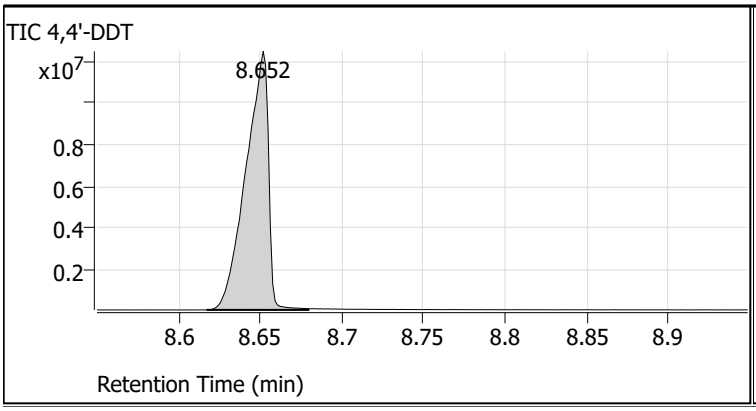
Data Path:	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0701.D
Acq on:	2/7/2022 3:17:32 PM
Operator:	LIMS import
Sample:	07-Feb-22_TUNE_1
Inst Name:	GCMS
ALS Vial:	1
Method:	\\MASSHUNTER\Org\Data\SV5975.I\Methods\DFTPP5975625.m

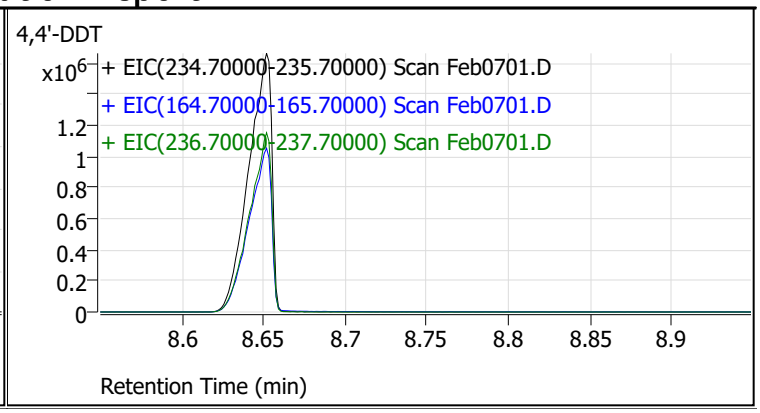


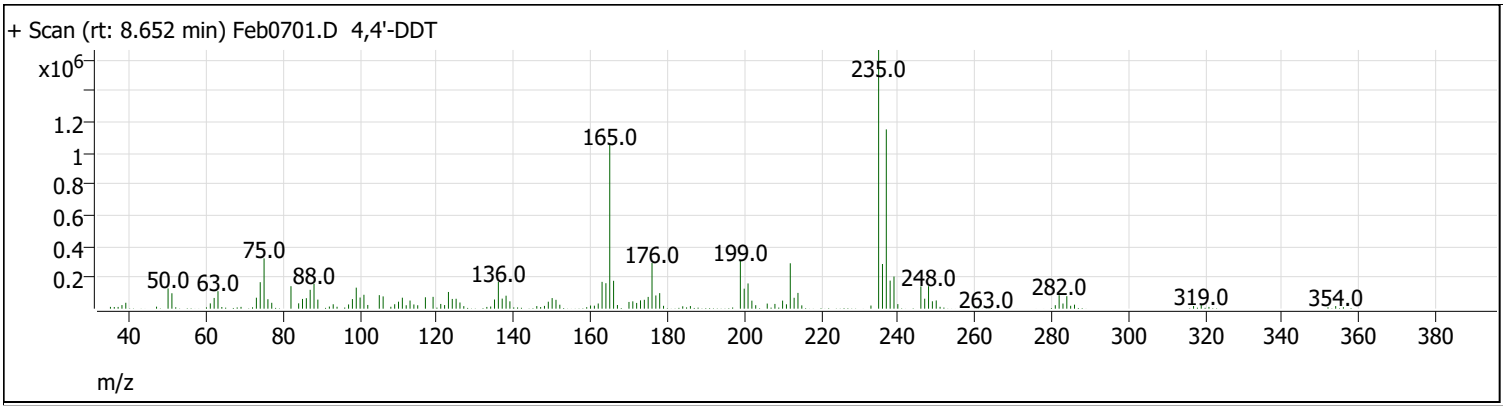


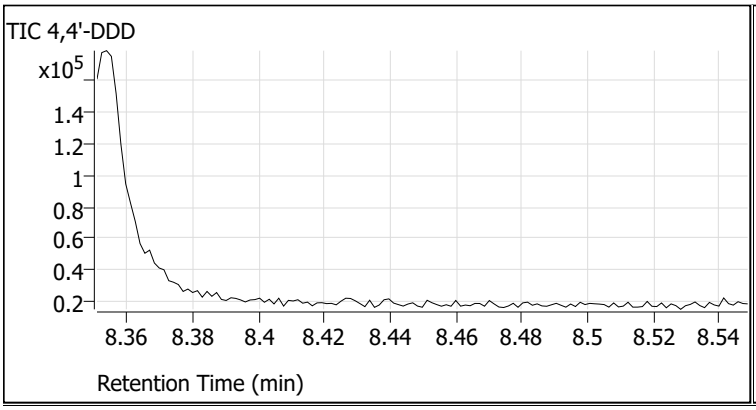
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
51	198	30	60	43.2	518656	Pass
68	69	0	2	0.0	0	Pass
70	69	0	2	0.5	3468	Pass
127	198	40	60	56.9	683200	Pass
197	198	0	1	0.0	0	Pass
198	198	100	100	100.0	1201664	Pass
199	198	5	9	6.7	80024	Pass
275	198	10	30	29.6	355200	Pass
365	198	1	100	3.4	40840	Pass
441	443	1E-10	150	81.6	124760	Pass
442	198	40	100	64.1	770112	Pass
443	442	17	23	19.9	152896	Pass
69	69	100	100	100.0	663552	Pass

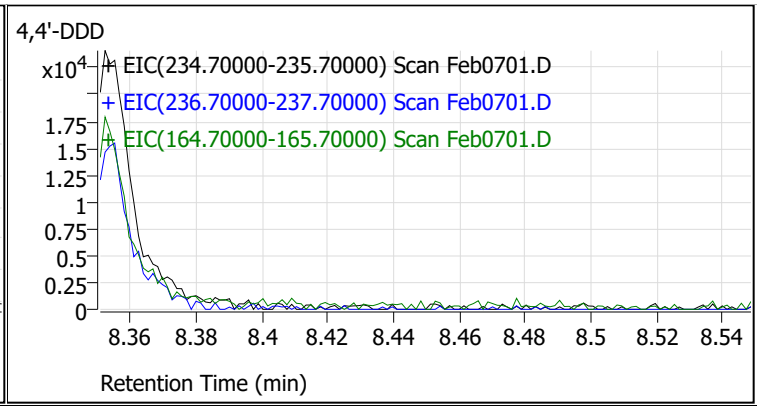
Tune Evaluation Report

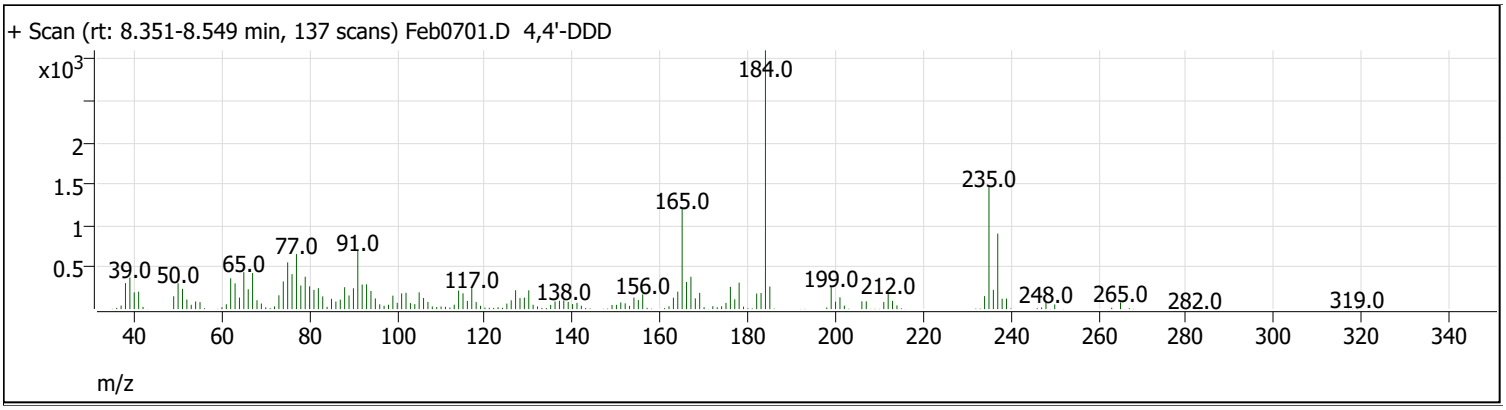


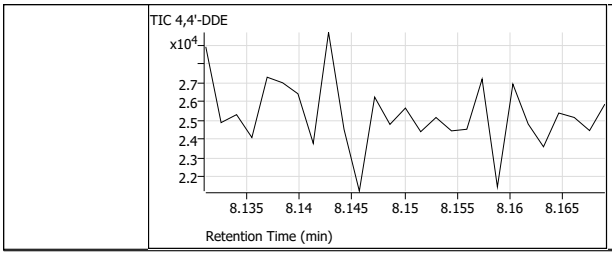


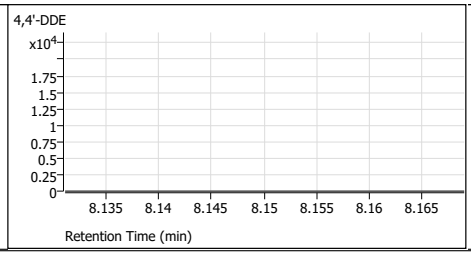




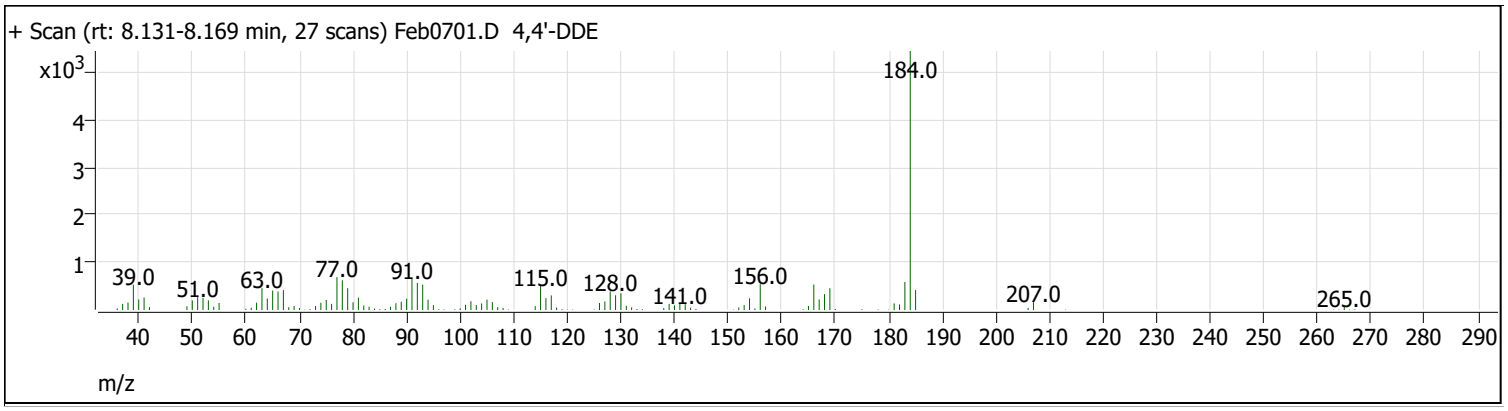






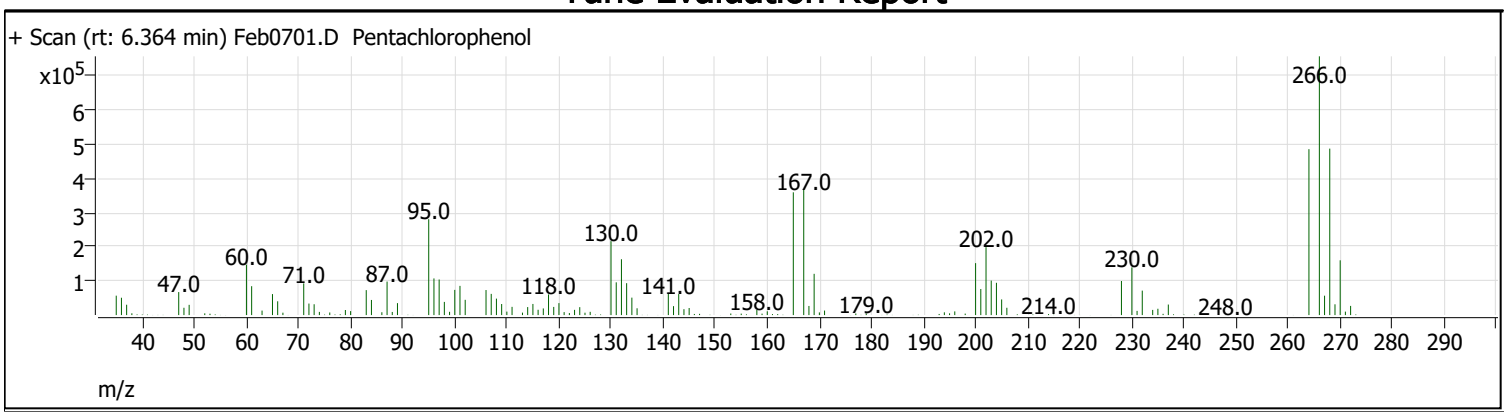


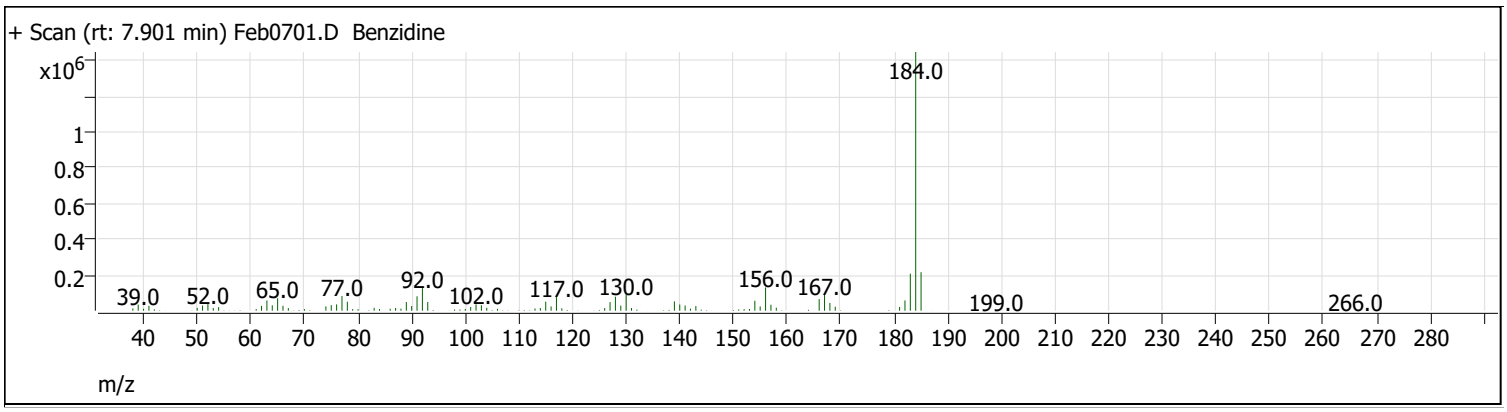
Tune Evaluation Report



Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	8.750	8.652	11971305	0.0	Pass
4,4'-DDD	8.450	0.000	0		
4,4'-DDE	8.150	0.000	0		

Tune Evaluation Report



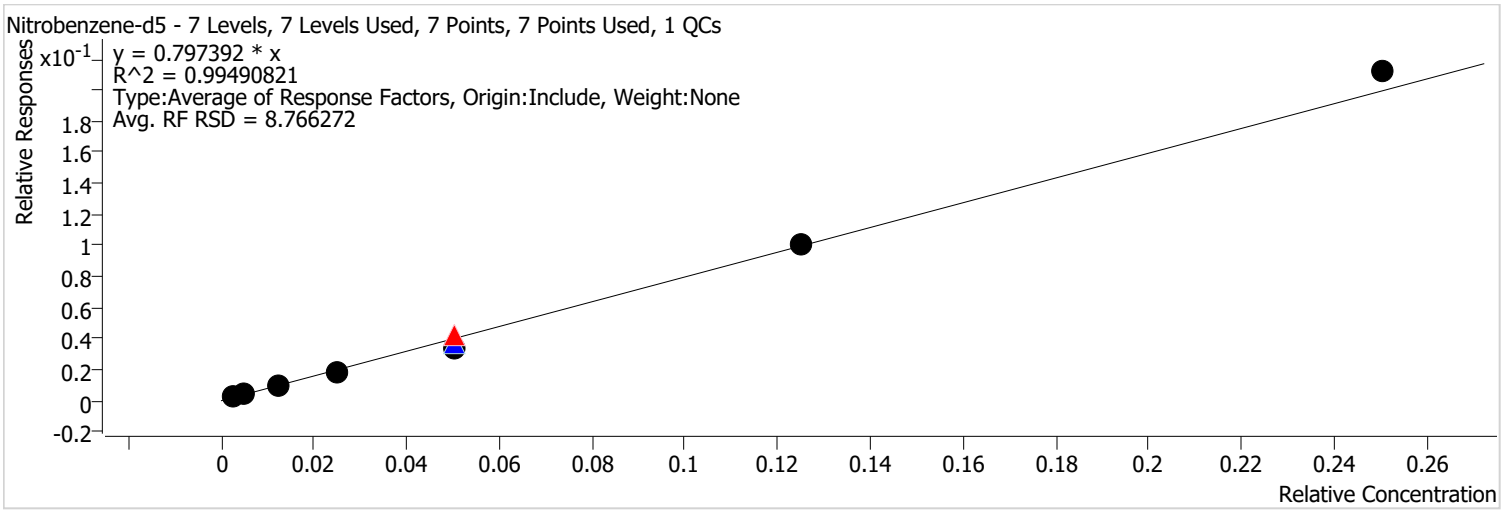


Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	6.800	6.364	0.3	5.8	Pass
Benzidine	8.400	7.901	0.4	1.9	Pass

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:24 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Nitrobenzene-d5 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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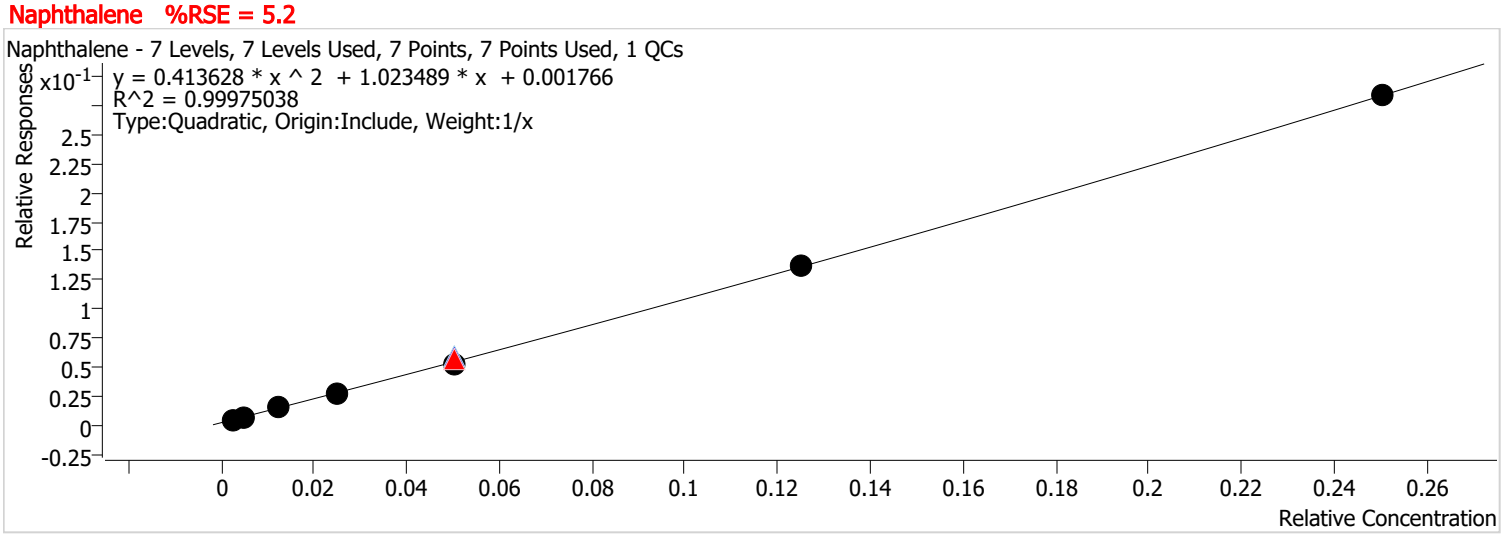
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	4230	0.5000	0.8119	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	8293	1.0000	0.7330	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	16927	2.0000	0.8426	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	16639	2.0000	0.7498	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	15641	2.0000	0.6776	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	51750	5.0000	0.8113	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	105095	10.0000	0.8471	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:27 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 5.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	5753	0.1000	1.7374	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	9860	0.2000	1.3092	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	22677	0.5000	1.2498	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	44488	1.0000	1.1042	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	43467	2.0000	1.1266	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	91769	2.0000	1.1710	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	88651	2.0000	1.0604	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	239982	5.0000	1.0917	
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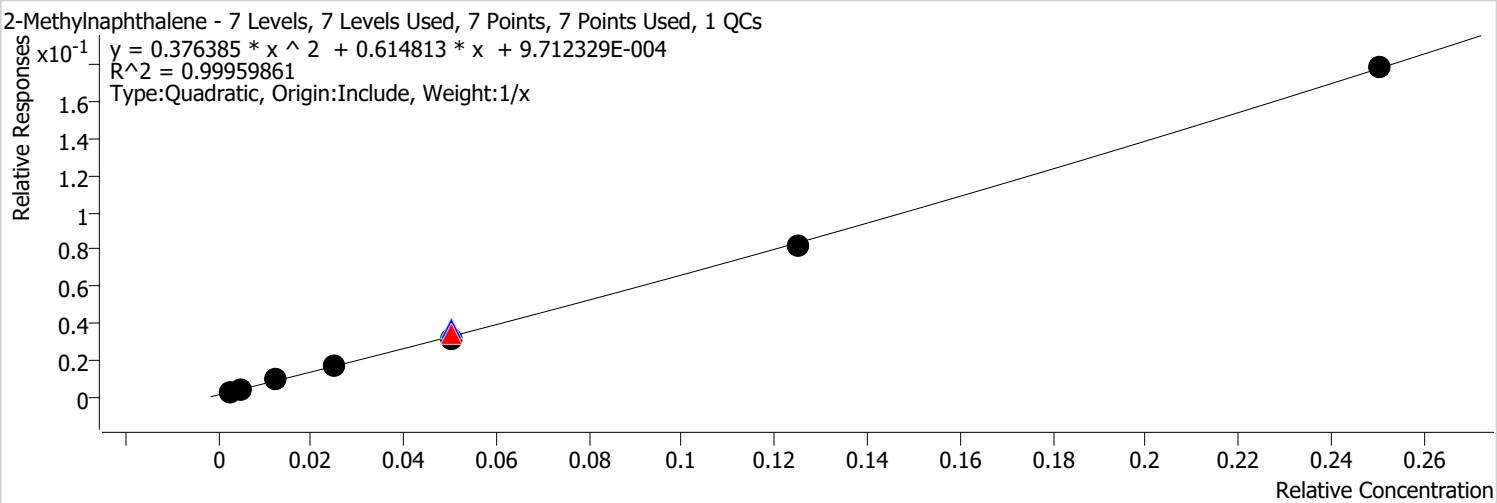
Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:27 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Methylnaphthalene %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	3289	0.1000	0.9932	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	5790	0.2000	0.7688	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	13293	0.5000	0.7326	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	28211	1.0000	0.7002	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	26546	2.0000	0.6880	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	58188	2.0000	0.7425	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	53447	2.0000	0.6393	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	145553	5.0000	0.6621	
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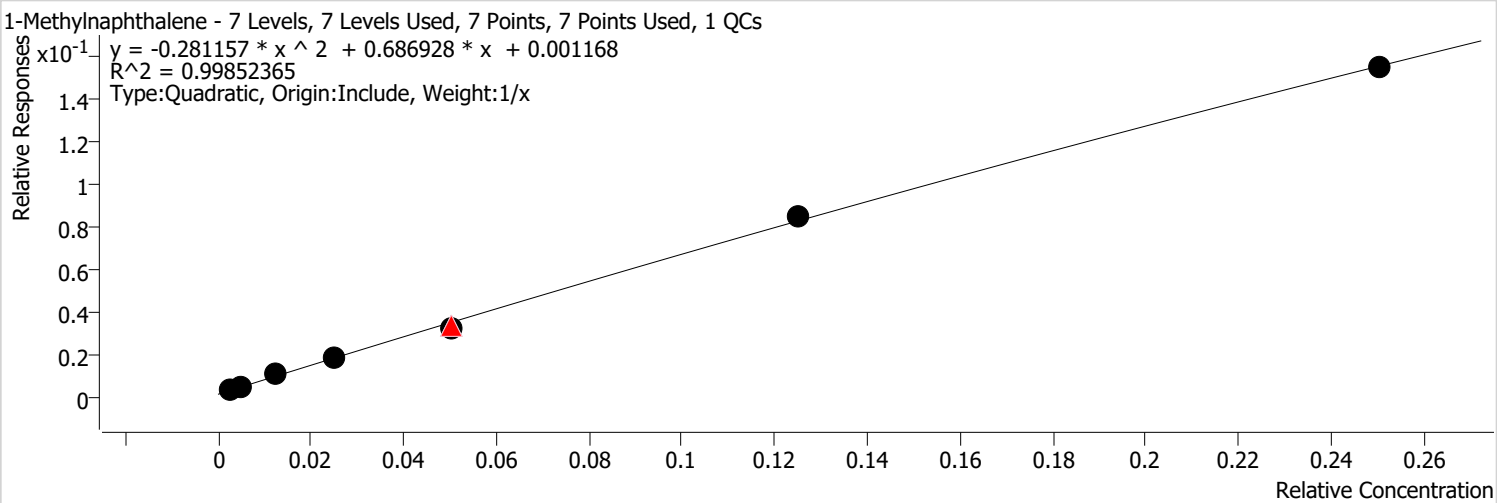
Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1-Methylnaphthalene %RSE = 8.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	15355	0.5000	0.8462	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	29718	1.0000	0.7376	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	26180	2.0000	0.6786	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	52208	2.0000	0.6662	
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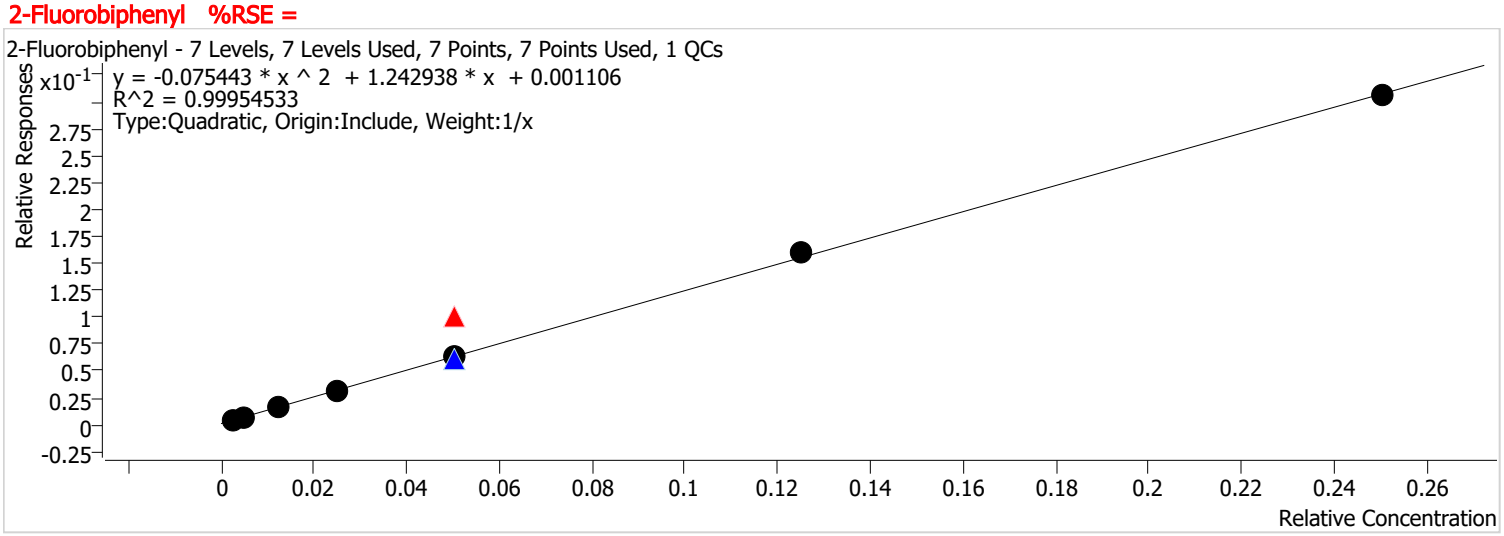
Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Fluorobiphenyl %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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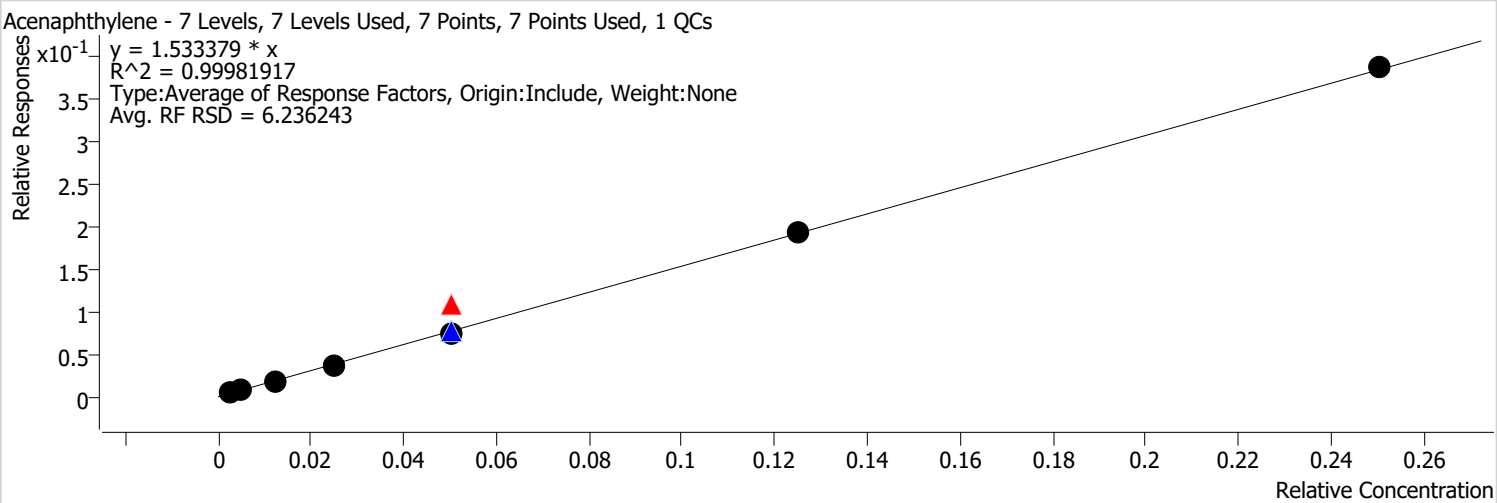
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	16996	0.5000	1.3111	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	34174	1.0000	1.2090	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	41814	2.0000	2.0259	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	64491	2.0000	1.2174	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	70427	2.0000	1.2584	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	185009	5.0000	1.2716	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	356557	10.0000	1.2221	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Acenaphthylene %RSE = 6.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	4194	0.1000	1.7233	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	7325	0.2000	1.4453	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	19916	0.5000	1.5363	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	40697	1.0000	1.4398	
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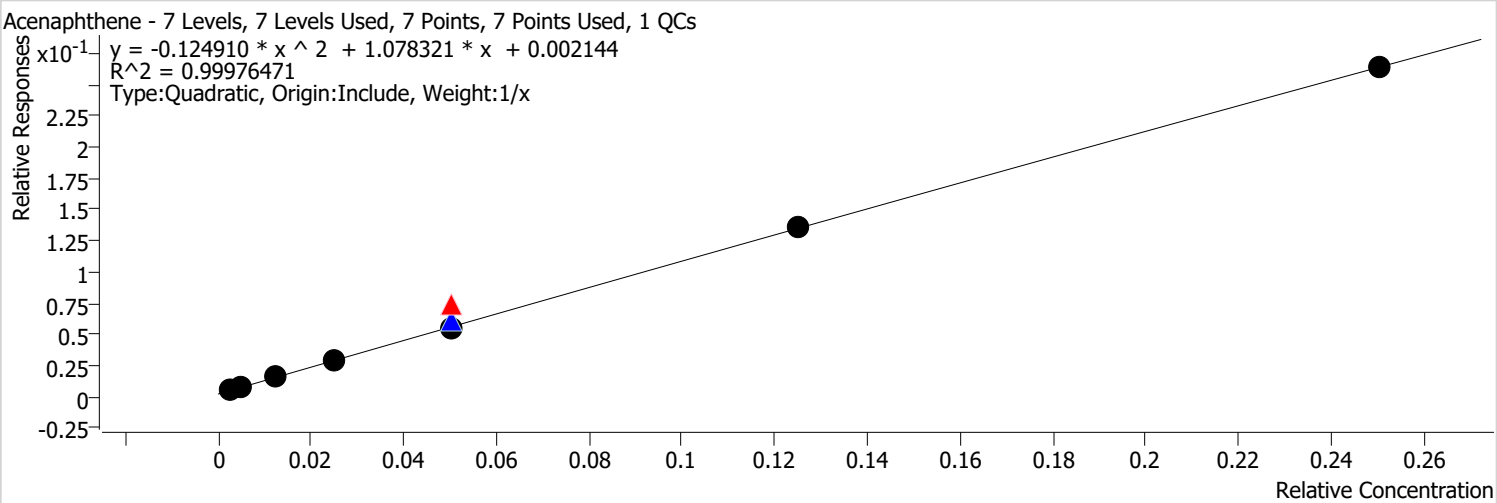
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	82080	2.0000	1.5494	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	83470	2.0000	1.4915	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	226091	5.0000	1.5540	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	450322	10.0000	1.5435	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Acenaphthene %RSE = 4.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	7429	0.2000	1.4657	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	17109	0.5000	1.3198	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	32062	1.0000	1.1343	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	30942	2.0000	1.4992	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	65103	2.0000	1.2289	
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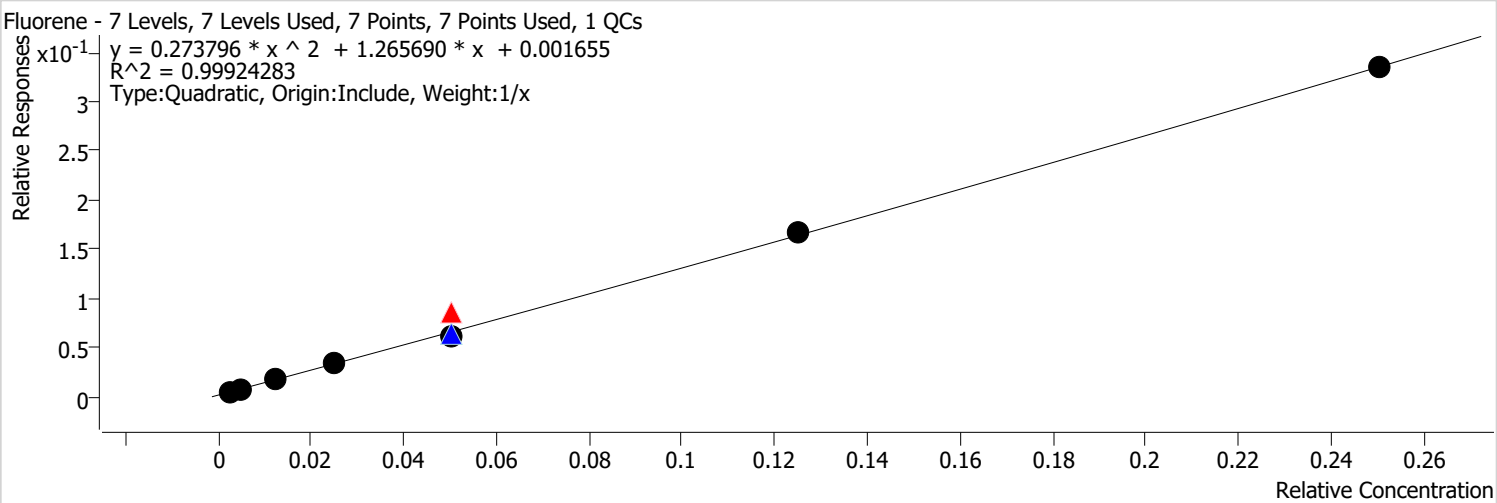
Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Fluorene %RSE = 7.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	4449	0.1000	1.8281	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	8183	0.2000	1.6146	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	19842	0.5000	1.5306	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	38016	1.0000	1.3450	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	35790	2.0000	1.7340	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	68994	2.0000	1.3024	
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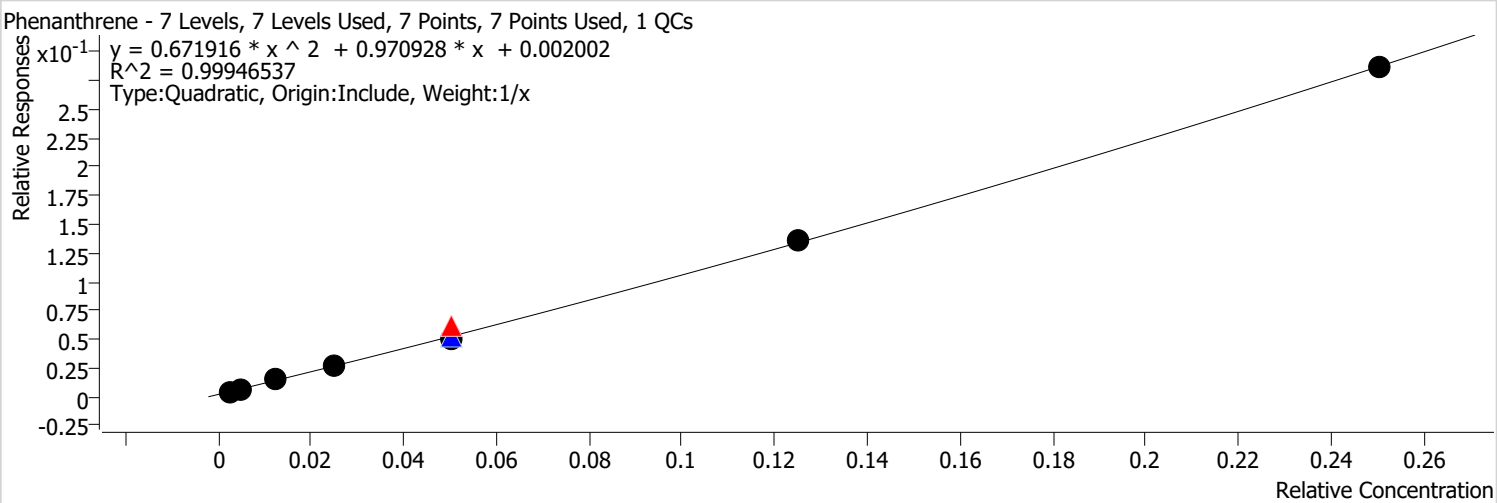
Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Phenanthrene %RSE = 4.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	29209	0.5000	1.2083	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	54083	1.0000	1.0654	
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\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	105176	2.0000	1.0469	
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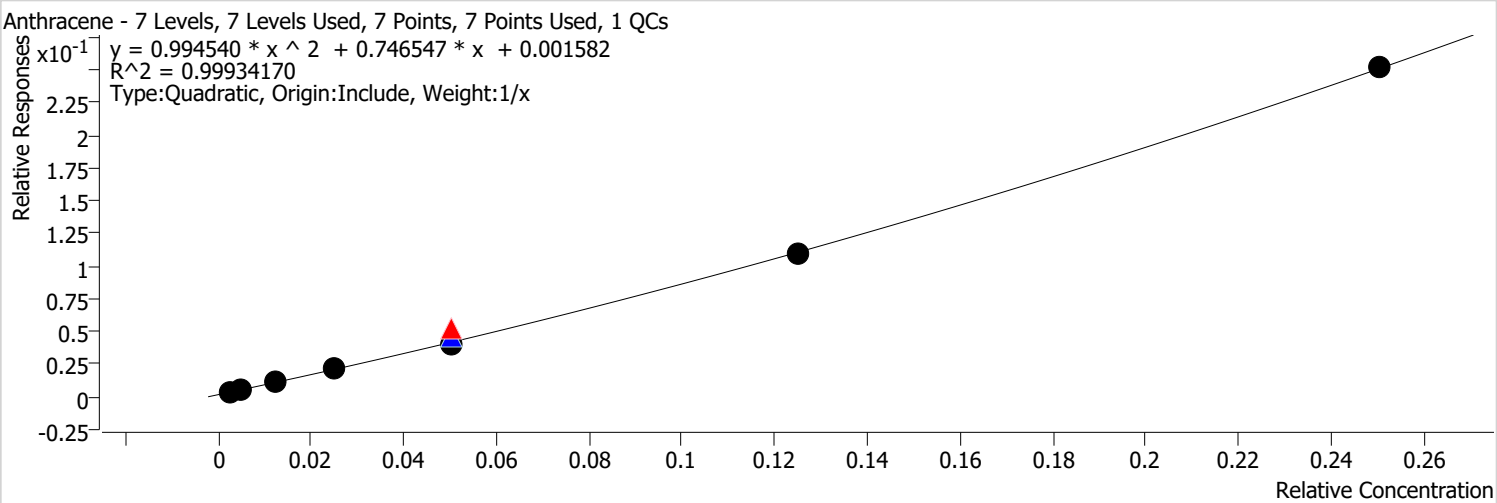
Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

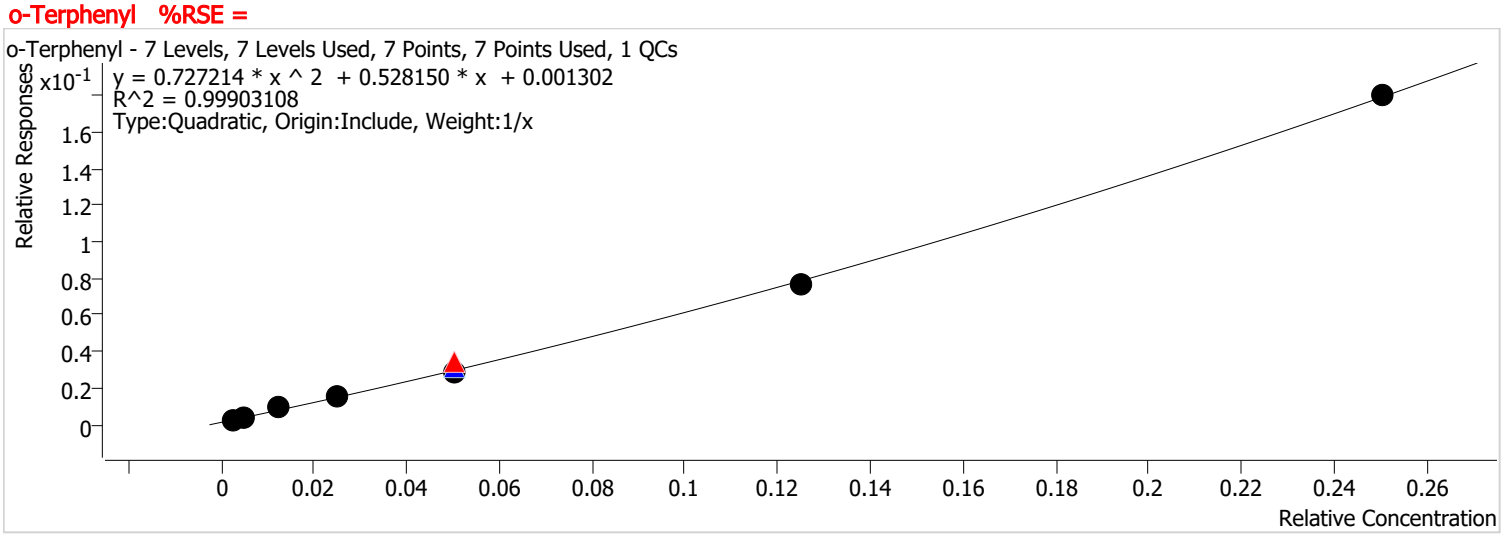
Anthracene %RSE = 9.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	5930	0.1000	1.2773	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	10131	0.2000	1.0716	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	23664	0.5000	0.9789	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	44491	1.0000	0.8765	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	45714	2.0000	1.0258	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	91219	2.0000	0.9080	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	81750	2.0000	0.8030	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	220873	5.0000	0.8706	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	479111	10.0000	1.0051	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

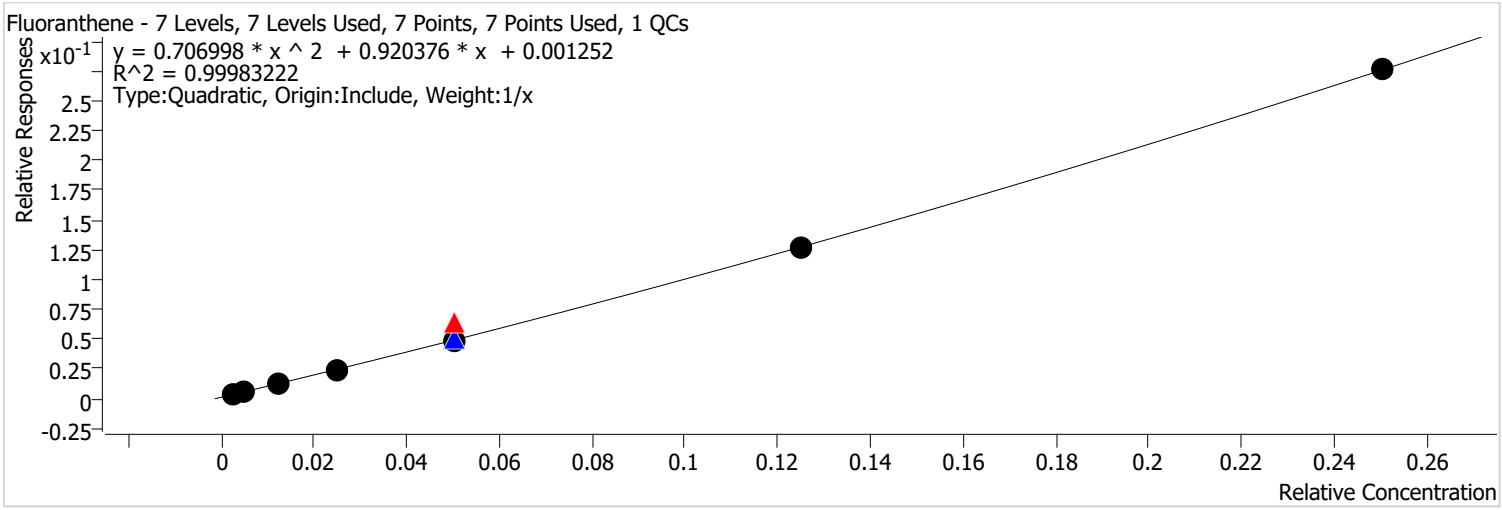
o-Terphenyl %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	4485	0.1000	0.9661	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	7450	0.2000	0.7880	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	17384	0.5000	0.7191	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	32391	1.0000	0.6381	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	30546	2.0000	0.6854	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	64359	2.0000	0.6406	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	58192	2.0000	0.5716	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	156344	5.0000	0.6162	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	342564	10.0000	0.7186	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

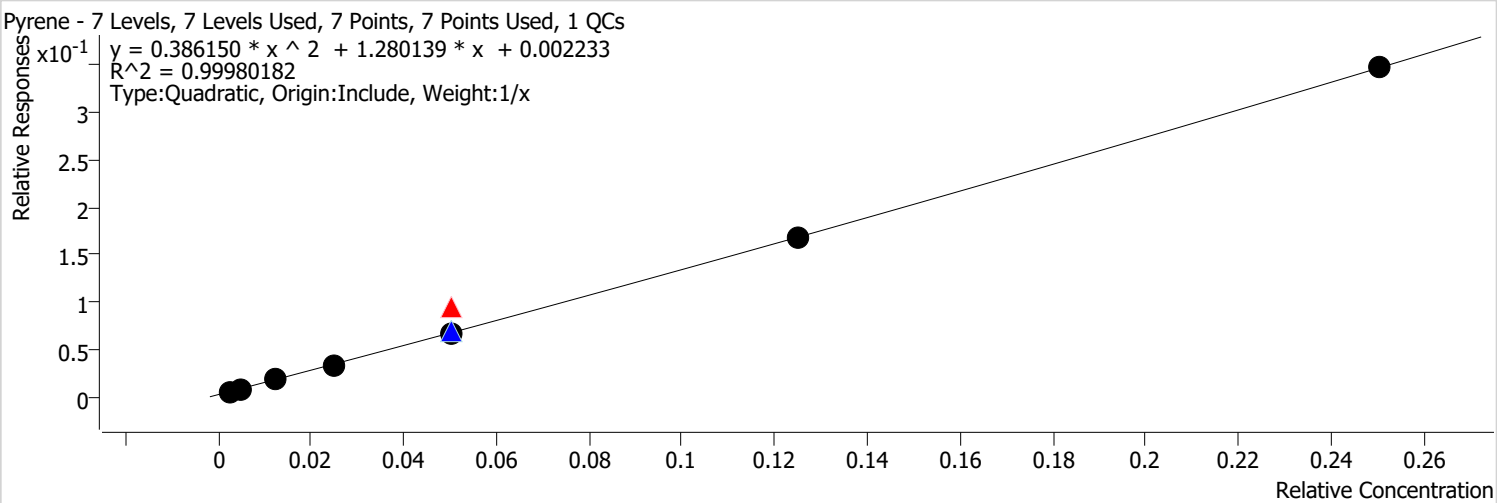
Fluoranthene %RSE = 4.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	6574	0.1000	1.4162	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	10718	0.2000	1.1337	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	26413	0.5000	1.0926	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	49241	1.0000	0.9700	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	57037	2.0000	1.2799	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	101992	2.0000	1.0152	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	100618	2.0000	0.9883	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	256730	5.0000	1.0119	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	526057	10.0000	1.1036	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

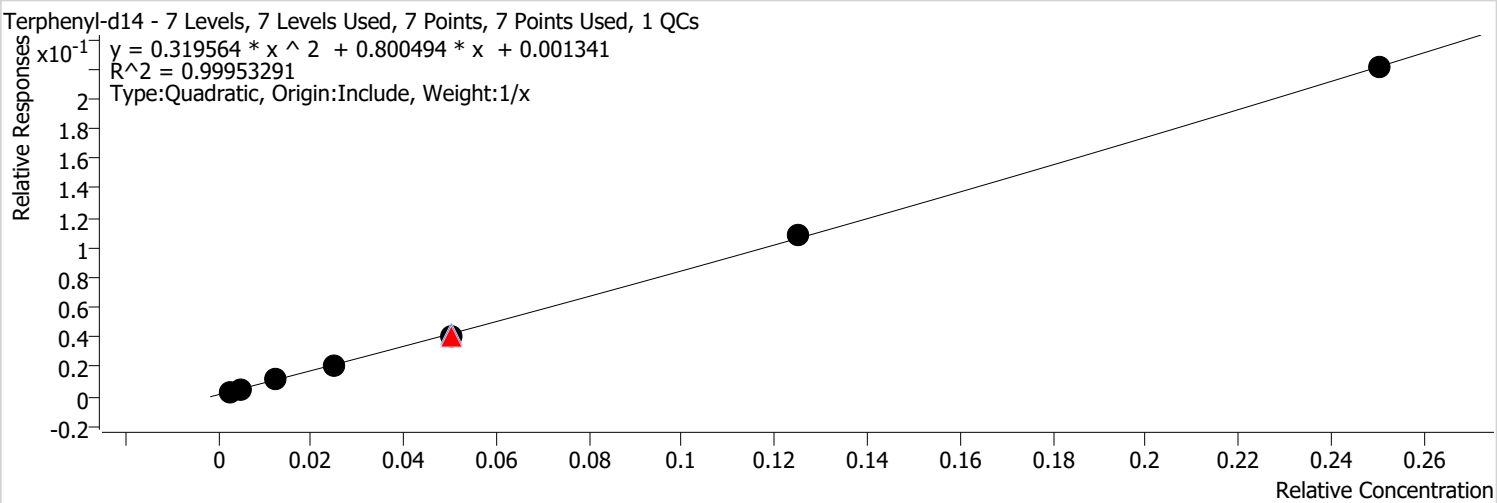
Pyrene %RSE = 4.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	7955	0.1000	2.1875	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	12264	0.2000	1.6429	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	29387	0.5000	1.5543	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	54965	1.0000	1.3678	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	62808	2.0000	1.9194	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	112061	2.0000	1.4026	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	111845	2.0000	1.3411	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	286965	5.0000	1.3412	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	585379	10.0000	1.3869	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

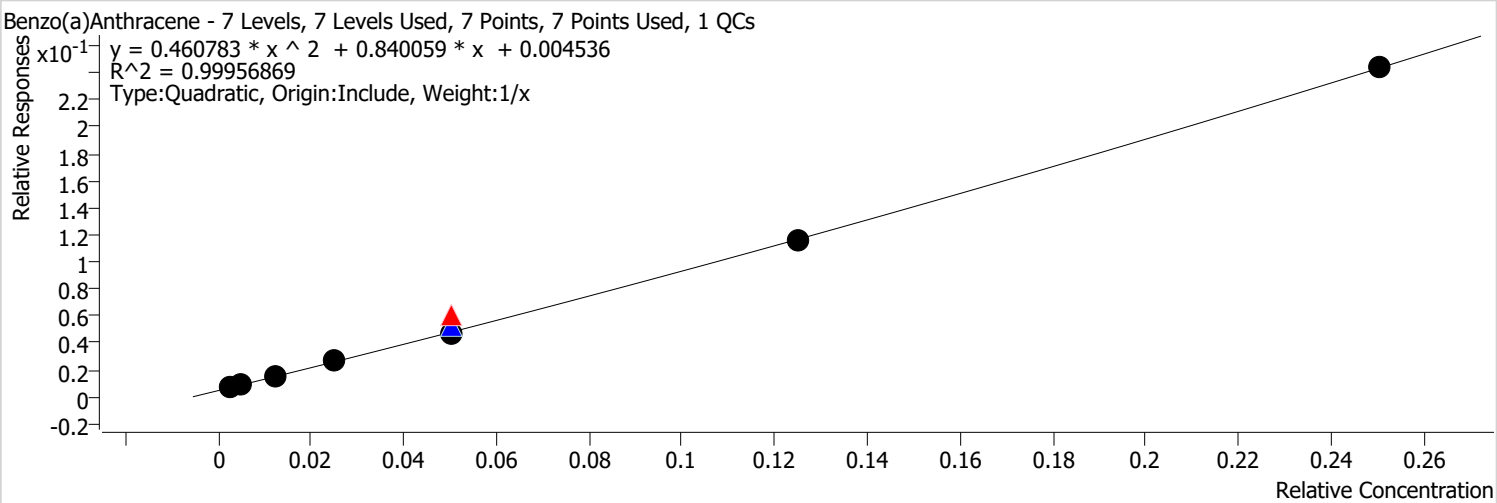
Terphenyl-d14 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	4881	0.1000	1.3420	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	7683	0.2000	1.0293	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	18445	0.5000	0.9755	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	34394	1.0000	0.8559	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	26408	2.0000	0.8070	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	66515	2.0000	0.8325	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	67591	2.0000	0.8105	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	185141	5.0000	0.8653	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	372878	10.0000	0.8834	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

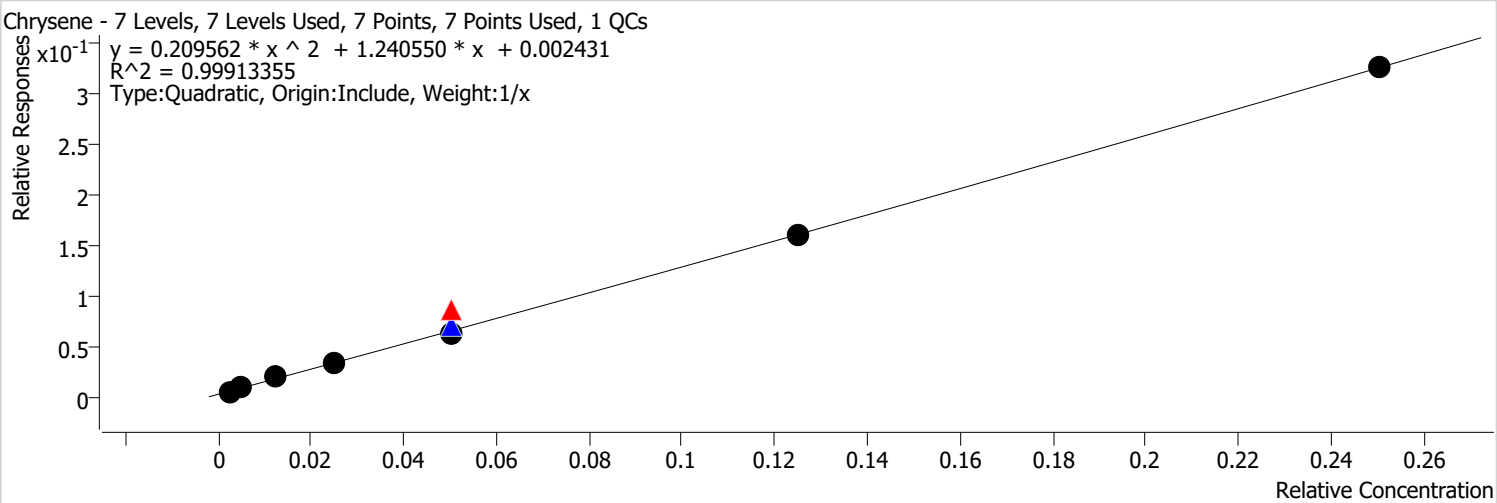
Benzo(a)Anthracene %RSE = 6.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	9432	0.1000	2.5936	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	12989	0.2000	1.7400	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	24049	0.5000	1.2719	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	43159	1.0000	1.0740	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	40166	2.0000	1.2275	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	83669	2.0000	1.0472	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	77029	2.0000	0.9236	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	198910	5.0000	0.9297	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	411571	10.0000	0.9751	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Chrysene %RSE = 9.6

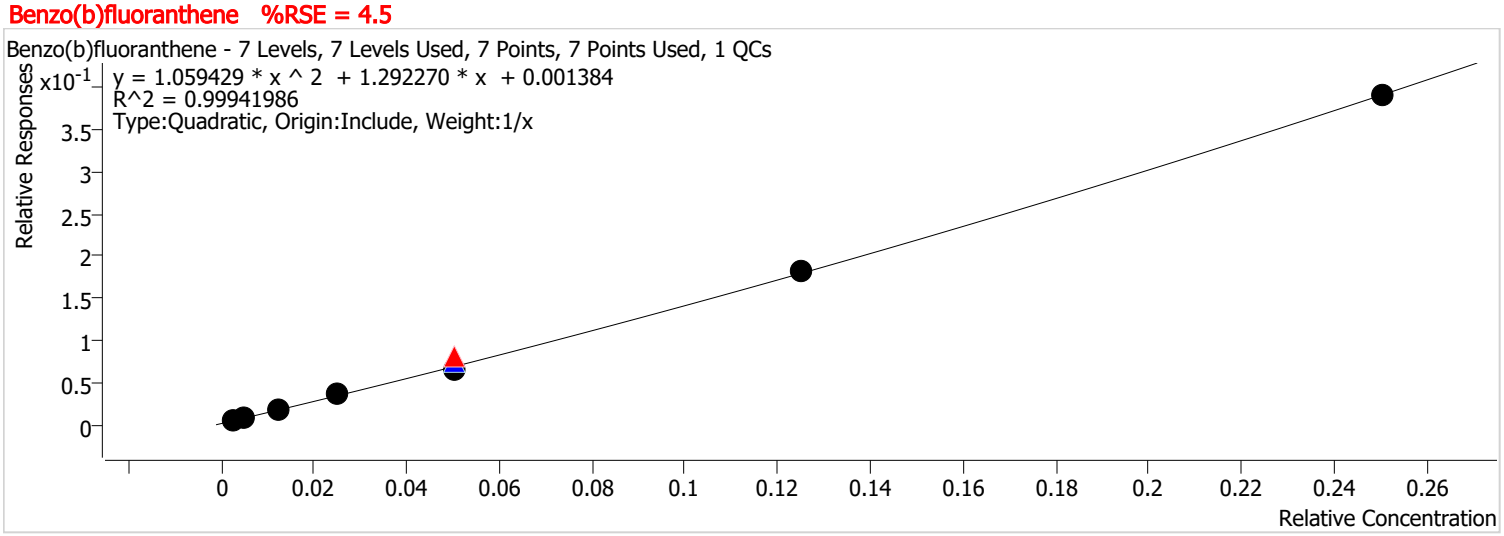


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	7426	0.1000	2.0421	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	13359	0.2000	1.7896	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	29692	0.5000	1.5704	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	55474	1.0000	1.3805	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	56647	2.0000	1.7311	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	114067	2.0000	1.4277	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	102815	2.0000	1.2328	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	276476	5.0000	1.2922	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	550015	10.0000	1.3031	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:28 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

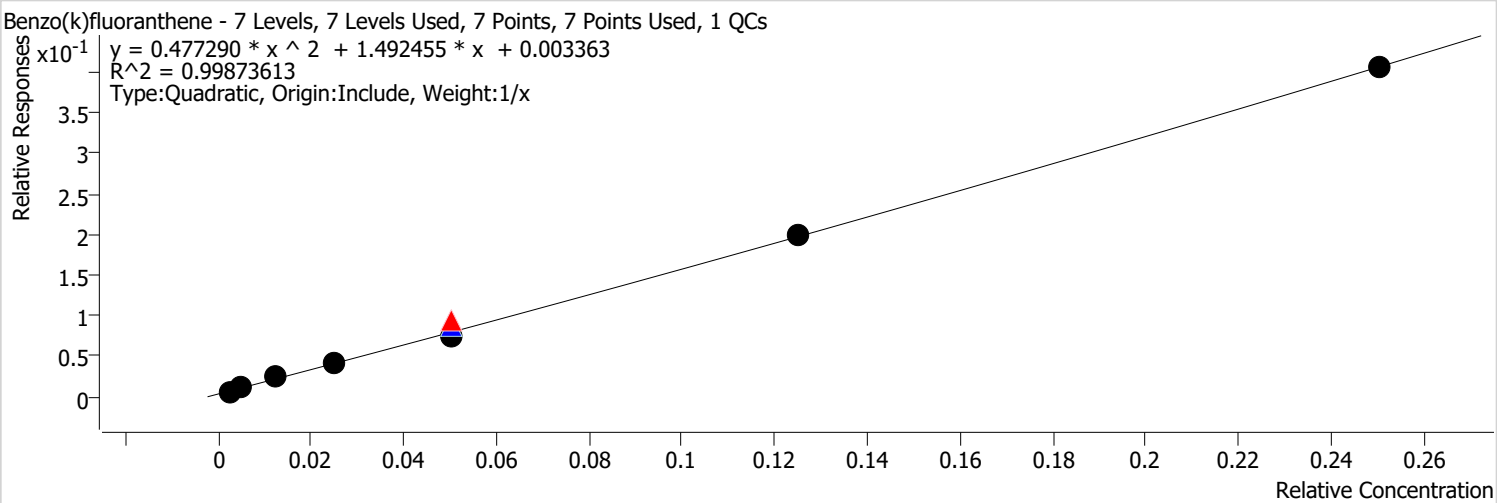
Benzo(b)fluoranthene %RSE = 4.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	3848	0.1000	1.8415	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	6604	0.2000	1.5324	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	15908	0.5000	1.4550	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	34624	1.0000	1.4449	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	34226	2.0000	1.6168	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	67486	2.0000	1.4843	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	65972	2.0000	1.2937	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	191619	5.0000	1.4572	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	413237	10.0000	1.5597	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:29 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

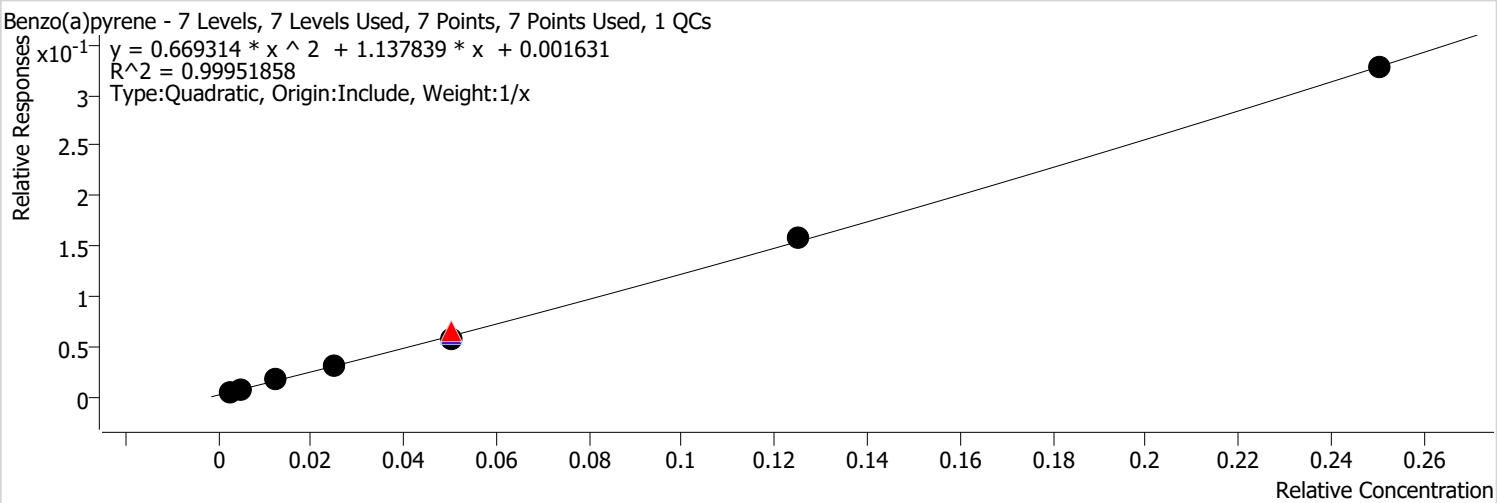
Benzo(k)fluoranthene %RSE = 10.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	5460	0.1000	2.6129	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	9883	0.2000	2.2932	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	20869	0.5000	1.9088	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	40445	1.0000	1.6878	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	39503	2.0000	1.8661	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	80433	2.0000	1.7690	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	74874	2.0000	1.4683	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	211377	5.0000	1.6074	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	429710	10.0000	1.6219	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:29 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

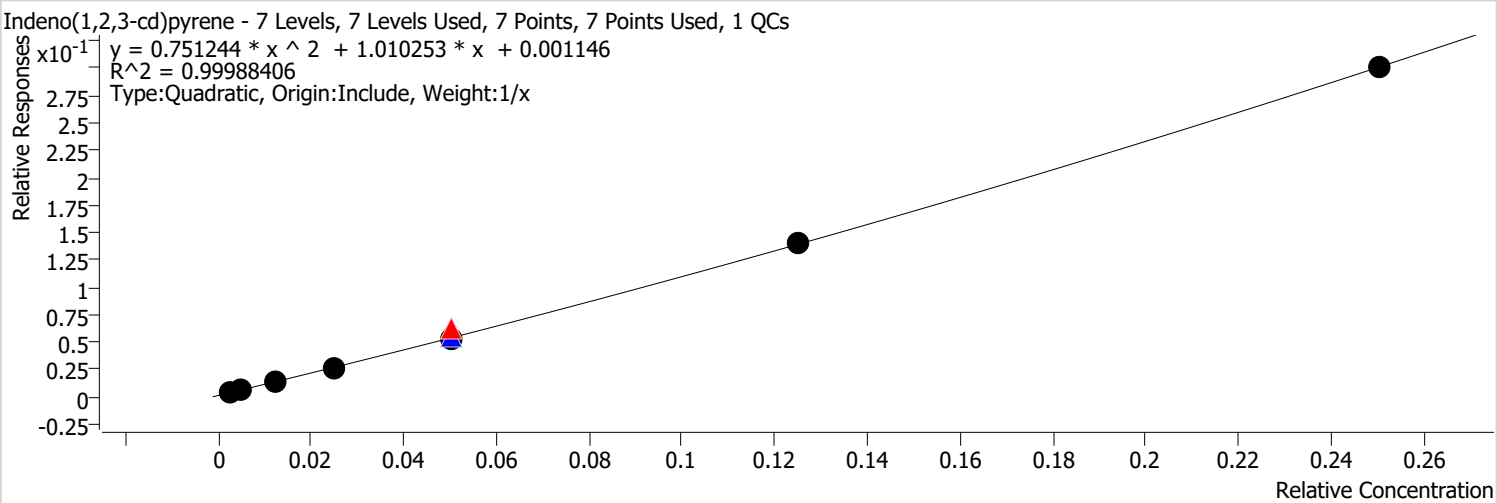
Benzo(a)pyrene %RSE = 5.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	3747	0.1000	1.7928	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	6086	0.2000	1.4123	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	14919	0.5000	1.3646	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	29274	1.0000	1.2216	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	27265	2.0000	1.2880	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	57337	2.0000	1.2611	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	58672	2.0000	1.1505	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	165116	5.0000	1.2556	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	346642	10.0000	1.3083	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:29 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

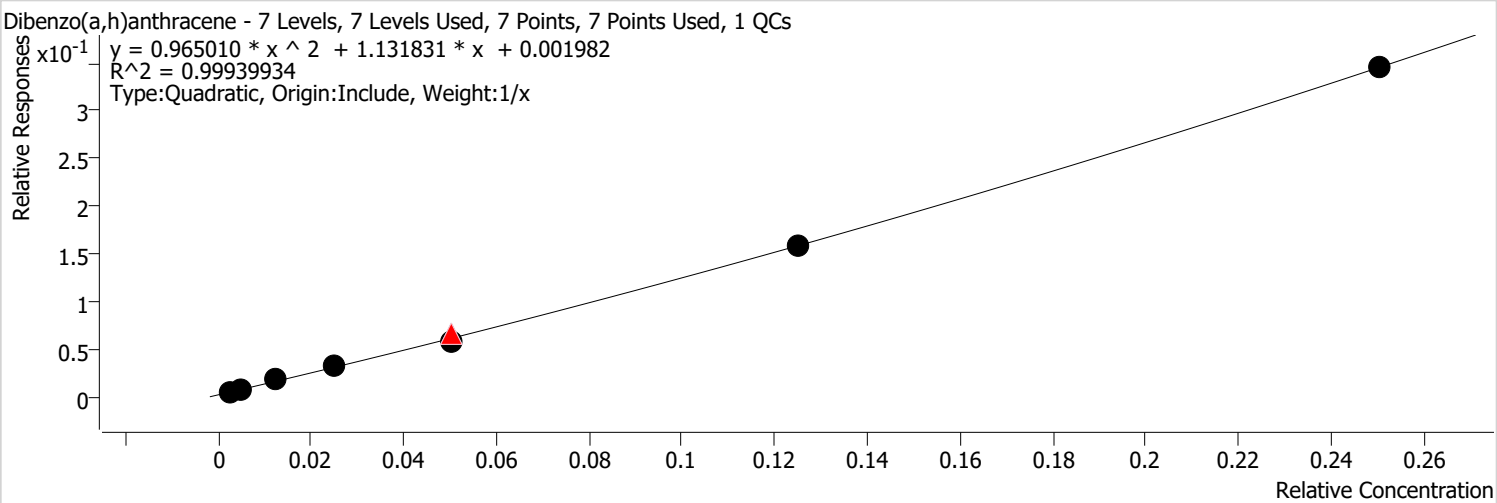
Indeno(1,2,3-cd)pyrene %RSE = 2.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	3086	0.1000	1.4765	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	5243	0.2000	1.2164	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	12627	0.5000	1.1550	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	25459	1.0000	1.0624	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	26047	2.0000	1.2305	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	51223	2.0000	1.1266	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	53642	2.0000	1.0519	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	147730	5.0000	1.1234	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	318177	10.0000	1.2009	

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:29 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dibenzo(a,h)anthracene %RSE = 6.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	3884	0.1000	1.8585	
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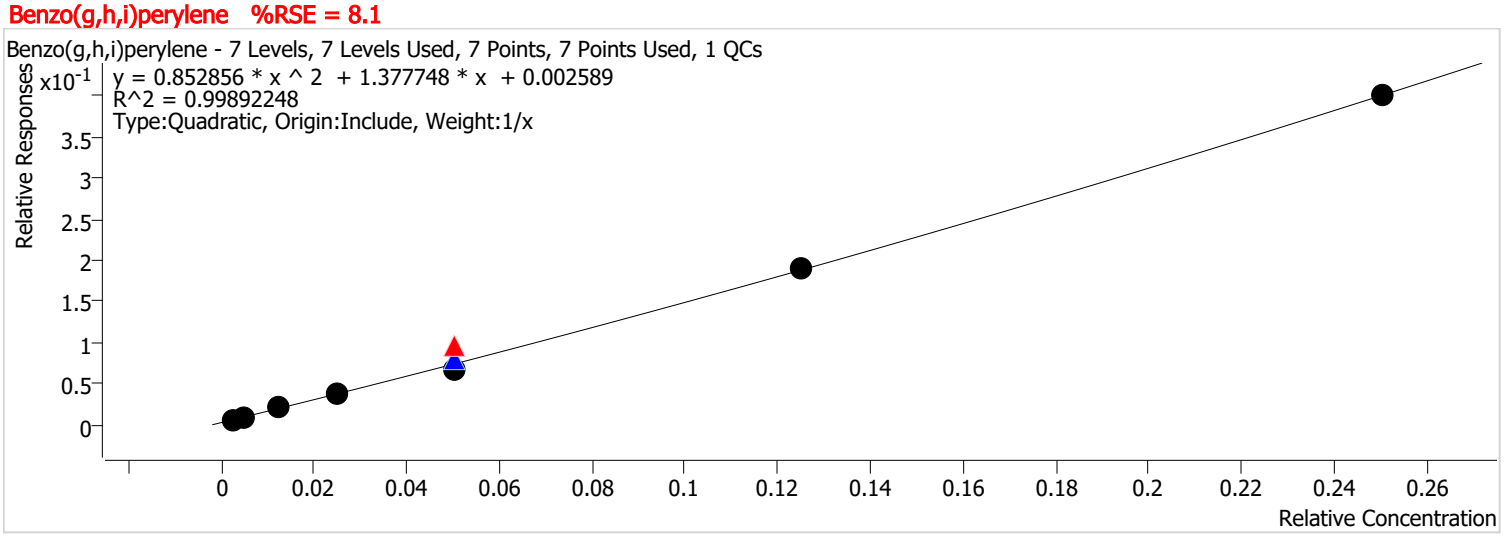
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	15098	0.5000	1.3810	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	31125	1.0000	1.2988	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	28600	2.0000	1.3510	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	60745	2.0000	1.3360	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	58803	2.0000	1.1531	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	167932	5.0000	1.2771	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	365806	10.0000	1.3807	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:20:29 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo(g,h,i)perylene %RSE = 8.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	Calibration	1	x	4892	0.1000	2.3408	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	Calibration	2	x	7864	0.2000	1.8247	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	Calibration	3	x	19198	0.5000	1.7560	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	Calibration	4	x	37800	1.0000	1.5774	
\\MASSHUNTER\Org\Data\SV5975.I\sh010421\1 e8270c bna SIM\Jan0402.D	CC	CCV	x	40497	2.0000	1.9131	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0709.D	QC	ICV	x	72252	2.0000	1.5891	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	Calibration	5	x	69957	2.0000	1.3718	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	Calibration	6	x	199971	5.0000	1.5207	
\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	Calibration	7	x	423999	10.0000	1.6003	

Initial Calibration Report - GCMS

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Method Path
Method File
Batch Name \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin
Last Calib Update 2/8/2022 9:05:30 AM

Level Name	Calibration Files	Acq. Date-Time	Level Last Update Time
7	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	2/7/2022 3:41:27 PM	2/8/2022 9:05:30 AM
6	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	2/7/2022 4:14:01 PM	2/8/2022 9:05:30 AM
5	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	2/7/2022 4:46:39 PM	2/8/2022 9:05:30 AM
4	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	2/7/2022 5:19:11 PM	2/8/2022 9:05:30 AM
3	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	2/7/2022 5:51:55 PM	2/8/2022 9:05:30 AM
2	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	2/7/2022 6:24:31 PM	2/8/2022 9:05:30 AM
1	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	2/7/2022 6:57:09 PM	2/8/2022 9:05:30 AM

Compound	Curve Fit	7	6	5	4	3	2	1	Avg RF	%RSD
I 1,4-Dichlorobenzene-d4				---------- ISTD ----------						
S Nitrobenzene-d5	Avg RF	0.8471	0.8113	0.6776	0.7330	0.8119	0.8165	0.8844	0.7974	8.766
I Naphthalene-d8				---------- ISTD ----------						
T Naphthalene	Quadratic	1.1340	1.0917	1.0604	1.1042	1.2498	1.3092	1.7374	1.2409	19.078
T 2-Methylnaphthalene	Quadratic	0.7148	0.6621	0.6393	0.7002	0.7326	0.7688	0.9932	0.7444	15.827
T 1-Methylnaphthalene	Quadratic	0.6185	0.6790	0.6484	0.7376	0.8462	0.8547	1.1701	0.7935	23.925
I Acenaphthene-d10				---------- ISTD ----------						
S 2-Fluorobiphenyl	Quadratic	1.2221	1.2716	1.2584	1.2090	1.3111	1.4809	1.7434	1.3566	14.237
T Acenaphthylene	Avg RF	1.5435	1.5540	1.4915	1.4398	1.5363	1.4453	1.7233	1.5334	6.236
T Acenaphthene	Quadratic	1.0544	1.0873	1.1019	1.1343	1.3198	1.4657	1.9386	1.3003	24.479
T Fluorene	Quadratic	1.3380	1.3336	1.2428	1.3450	1.5306	1.6146	1.8281	1.4618	14.120
I Phenanthrene-d10				---------- ISTD ----------						
T Phenanthrene	Quadratic	1.1432	1.0935	0.9928	1.0654	1.2083	1.3682	1.7467	1.2312	20.870
T Anthracene	Quadratic	1.0051	0.8706	0.8030	0.8765	0.9789	1.0716	1.2773	0.9833	16.155
S o-Terphenyl	Quadratic	0.7186	0.6162	0.5716	0.6381	0.7191	0.7880	0.9661	0.7168	18.424
T Fluoranthene	Quadratic	1.1036	1.0119	0.9883	0.9700	1.0926	1.1337	1.4162	1.1023	13.773
I Chrysene-d12				---------- ISTD ----------						
T Pyrene	Quadratic	1.3869	1.3412	1.3411	1.3678	1.5543	1.6429	2.1875	1.5460	19.796
S Terphenyl-d14	Quadratic	0.8834	0.8653	0.8105	0.8559	0.9755	1.0293	1.3420	0.9660	18.841
T Benzo(a)Anthracene	Quadratic	0.9751	0.9297	0.9236	1.0740	1.2719	1.7400	2.5936	1.3583	45.378
T Chrysene	Quadratic	1.3031	1.2922	1.2328	1.3805	1.5704	1.7896	2.0421	1.5158	19.947
I Perylene-d12				---------- ISTD ----------						
T Benzo(b)fluoranthene	Quadratic	1.5597	1.4572	1.2937	1.4449	1.4550	1.5324	1.8415	1.5121	11.122
T Benzo(k)fluoranthene	Quadratic	1.6219	1.6074	1.4683	1.6878	1.9088	2.2932	2.6129	1.8858	22.246
T Benzo(a)pyrene	Quadratic	1.3083	1.2556	1.1505	1.2216	1.3646	1.4123	1.7928	1.3580	15.523
T Indeno(1,2,3-cd)pyrene	Quadratic	1.2009	1.1234	1.0519	1.0624	1.1550	1.2164	1.4765	1.1838	12.126
T Dibenzo(a,h)anthracene	Quadratic	1.3807	1.2771	1.1531	1.2988	1.3810	1.5178	1.8585	1.4096	16.139

Compound	Curve Fit	7	6	5	4	3	2	1	Avg RF	%RSD
T Benzo(g,h,i)perylene	Quadratic	1.6003	1.5207	1.3718	1.5774	1.7560	1.8247	2.3408	1.7131	18.350

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Compounds with Curve fitting not using Avg Response Factor:

Compound	Curve Fit	Curve Fit Formula	Curve Fit R2
T Naphthalene	Quadratic	y = 0.413628 * x ^ 2 + 1.023489 * x + 0.001766	0.999750
T 2-Methylnaphthalene	Quadratic	y = 0.376385 * x ^ 2 + 0.614813 * x + 9.712329E-004	0.999599
T 1-Methylnaphthalene	Quadratic	y = -0.281157 * x ^ 2 + 0.686928 * x + 0.001168	0.998524
S 2-Fluorobiphenyl	Quadratic	y = -0.075443 * x ^ 2 + 1.242938 * x + 0.001106	0.999545
T Acenaphthene	Quadratic	y = -0.124910 * x ^ 2 + 1.078321 * x + 0.002144	0.999765
T Fluorene	Quadratic	y = 0.273796 * x ^ 2 + 1.265690 * x + 0.001655	0.999243
T Phenanthrene	Quadratic	y = 0.671916 * x ^ 2 + 0.970928 * x + 0.002002	0.999465
T Anthracene	Quadratic	y = 0.994540 * x ^ 2 + 0.746547 * x + 0.001582	0.999342
S o-Terphenyl	Quadratic	y = 0.727214 * x ^ 2 + 0.528150 * x + 0.001302	0.999031
T Fluoranthene	Quadratic	y = 0.706998 * x ^ 2 + 0.920376 * x + 0.001252	0.999832
T Pyrene	Quadratic	y = 0.386150 * x ^ 2 + 1.280139 * x + 0.002233	0.999802
S Terphenyl-d14	Quadratic	y = 0.319564 * x ^ 2 + 0.800494 * x + 0.001341	0.999533
T Benzo(a)Anthracene	Quadratic	y = 0.460783 * x ^ 2 + 0.840059 * x + 0.004536	0.999569
T Chrysene	Quadratic	y = 0.209562 * x ^ 2 + 1.240550 * x + 0.002431	0.999134
T Benzo(b)fluoranthene	Quadratic	y = 1.059429 * x ^ 2 + 1.292270 * x + 0.001384	0.999420
T Benzo(k)fluoranthene	Quadratic	y = 0.477290 * x ^ 2 + 1.492455 * x + 0.003363	0.998736
T Benzo(a)pyrene	Quadratic	y = 0.669314 * x ^ 2 + 1.137839 * x + 0.001631	0.999519
T Indeno(1,2,3-cd)pyrene	Quadratic	y = 0.751244 * x ^ 2 + 1.010253 * x + 0.001146	0.999884
T Dibenzo(a,h)anthracene	Quadratic	y = 0.965010 * x ^ 2 + 1.131831 * x + 0.001982	0.999399
T Benzo(g,h,i)perylene	Quadratic	y = 0.852856 * x ^ 2 + 1.377748 * x + 0.002589	0.998922

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Quantitative Analysis Results Summary Report

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Batch Path	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin		
Analysis Time	2/8/2022 10:18 AM	**Analyst Name**	BL2000\jheine
Report Time	2/8/2022 10:22:36 AM	**Reporter Name**	BL2000\jheine
Last Calib Update	2/8/2022 9:05 AM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Sequence Table

Data File	sample Name	Sample Type	Vial Position	Inj Vol	Level	Acq Method File
Feb0702.D	07-Feb-22_CAL_7	Cal	2	0.1	7	5975BNASIM
Feb0703.D	07-Feb-22_CAL_6	Cal	3	0.1	6	5975BNASIM
Feb0704.D	07-Feb-22_CAL_5	Cal	4	0.1	5	5975BNASIM
Feb0705.D	07-Feb-22_CAL_4	Cal	5	0.1	4	5975BNASIM
Feb0706.D	07-Feb-22_CAL_3	Cal	6	0.1	3	5975BNASIM
Feb0707.D	07-Feb-22_CAL_2	Cal	7	0.1	2	5975BNASIM
Feb0708.D	07-Feb-22_CAL_1	Cal	8	0.1	1	5975BNASIM
Feb0709.D	07-Feb-22_CCV_9	QC	9	0.1	ICV	5975BNASIM

Quantitation Results

Compound: Nitrobenzene-d5

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	1,4-Dichlorobenzene-d4	5.143	105095	496245	0.2118	10.6236	10.0000	106.2
Feb0703.D	Calibration	1,4-Dichlorobenzene-d4	5.143	51750	510296	0.1014	5.0871	5.0000	101.7
Feb0704.D	Calibration	1,4-Dichlorobenzene-d4	5.156	15641	461660	0.0339	1.6995	2.0000	85.0
Feb0705.D	Calibration	1,4-Dichlorobenzene-d4	5.156	8293	452584	0.0183	0.9192	1.0000	91.9
Feb0706.D	Calibration	1,4-Dichlorobenzene-d4	5.168	4230	416791	0.0101	0.5091	0.5000	101.8
Feb0707.D	Calibration	1,4-Dichlorobenzene-d4	5.180	1664	407495	0.0041	0.2048	0.2000	102.4
Feb0708.D	Calibration	1,4-Dichlorobenzene-d4	5.193	845	382175	0.0022	0.1109	0.1000	110.9
Feb0709.D	QC	1,4-Dichlorobenzene-d4	5.156	16639	443815	0.0375	1.8807	2.0000	94.0

Compound: Naphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Naphthalene-d8	5.941	484142	1707780	0.2835	10.0001	10.0000	100.0
Feb0703.D	Calibration	Naphthalene-d8	5.941	239982	1758659	0.1365	5.0104	5.0000	100.2
Feb0704.D	Calibration	Naphthalene-d8	5.941	88651	1672073	0.0530	1.9641	2.0000	98.2
Feb0705.D	Calibration	Naphthalene-d8	5.941	44488	1611626	0.0276	0.9997	1.0000	100.0
Feb0706.D	Calibration	Naphthalene-d8	5.953	22677	1451616	0.0156	0.5386	0.5000	107.7
Feb0707.D	Calibration	Naphthalene-d8	5.953	9860	1506287	0.0065	0.1865	0.2000	93.2
Feb0708.D	Calibration	Naphthalene-d8	5.953	5753	1324429	0.0043	0.1006	0.1000	100.6
Feb0709.D	QC	Naphthalene-d8	5.941	91769	1567307	0.0586	2.1717	2.0000	108.6

Compound: 2-Methylnaphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Naphthalene-d8	6.765	305174	1707780	0.1787	10.0248	10.0000	100.2
Feb0703.D	Calibration	Naphthalene-d8	6.765	145553	1758659	0.0828	4.9469	5.0000	98.9
Feb0704.D	Calibration	Naphthalene-d8	6.777	53447	1672073	0.0320	1.9578	2.0000	97.9

Compound: 2-Methylnaphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0705.D	Calibration	Naphthalene-d8	6.777	28211	1611626	0.0175	1.0585	1.0000	105.9
Feb0706.D	Calibration	Naphthalene-d8	6.790	13293	1451616	0.0092	0.5283	0.5000	105.7
Feb0707.D	Calibration	Naphthalene-d8	6.790	5790	1506287	0.0038	0.1864	0.2000	93.2
Feb0708.D	Calibration	Naphthalene-d8	6.790	3289	1324429	0.0025	0.0982	0.1000	98.2
Feb0709.D	QC	Naphthalene-d8	6.777	58188	1567307	0.0371	2.2732	2.0000	113.7

Compound: 1-Methylnaphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Naphthalene-d8	6.877	264067	1707780	0.1546	9.9487	10.0000	99.5
Feb0703.D	Calibration	Naphthalene-d8	6.877	149256	1758659	0.0849	5.1448	5.0000	102.9
Feb0704.D	Calibration	Naphthalene-d8	6.890	54212	1672073	0.0324	1.8552	2.0000	92.8
Feb0705.D	Calibration	Naphthalene-d8	6.890	29718	1611626	0.0184	1.0163	1.0000	101.6
Feb0706.D	Calibration	Naphthalene-d8	6.890	15355	1451616	0.0106	0.5510	0.5000	110.2
Feb0707.D	Calibration	Naphthalene-d8	6.902	6437	1506287	0.0043	0.1812	0.2000	90.6
Feb0708.D	Calibration	Naphthalene-d8	6.902	3874	1324429	0.0029	0.1024	0.1000	102.4
Feb0709.D	QC	Naphthalene-d8	6.890	52208	1567307	0.0333	1.9090	2.0000	95.4

Compound: 2-Fluorobiphenyl

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Acenaphthene-d10	7.239	356557	1167043	0.3055	9.9468	10.0000	99.5
Feb0703.D	Calibration	Acenaphthene-d10	7.240	185009	1163898	0.1590	5.1197	5.0000	102.4
Feb0704.D	Calibration	Acenaphthene-d10	7.240	70427	1119297	0.0629	1.9954	2.0000	99.8
Feb0705.D	Calibration	Acenaphthene-d10	7.239	34174	1130631	0.0302	0.9385	1.0000	93.8
Feb0706.D	Calibration	Acenaphthene-d10	7.252	16996	1037043	0.0164	0.4922	0.5000	98.4
Feb0707.D	Calibration	Acenaphthene-d10	7.252	7506	1013669	0.0074	0.2028	0.2000	101.4
Feb0708.D	Calibration	Acenaphthene-d10	7.252	4242	973397	0.0044	0.1047	0.1000	104.7
Feb0709.D	QC	Acenaphthene-d10	7.239	64491	1059517	0.0609	1.9289	2.0000	96.4

Compound: Acenaphthylene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Acenaphthene-d10	7.801	450322	1167043	0.3859	10.0658	10.0000	100.7
Feb0703.D	Calibration	Acenaphthene-d10	7.801	226091	1163898	0.1943	5.0673	5.0000	101.3
Feb0704.D	Calibration	Acenaphthene-d10	7.801	83470	1119297	0.0746	1.9453	2.0000	97.3
Feb0705.D	Calibration	Acenaphthene-d10	7.801	40697	1130631	0.0360	0.9390	1.0000	93.9
Feb0706.D	Calibration	Acenaphthene-d10	7.814	19916	1037043	0.0192	0.5010	0.5000	100.2
Feb0707.D	Calibration	Acenaphthene-d10	7.813	7325	1013669	0.0072	0.1885	0.2000	94.3
Feb0708.D	Calibration	Acenaphthene-d10	7.814	4194	973397	0.0043	0.1124	0.1000	112.4
Feb0709.D	QC	Acenaphthene-d10	7.801	82080	1059517	0.0775	2.0209	2.0000	101.0

Compound: Acenaphthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Acenaphthene-d10	8.013	307641	1167043	0.2636	9.9878	10.0000	99.9

Compound: Acenaphthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0703.D	Calibration	Acenaphthene-d10	8.013	158193	1163898	0.1359	5.0357	5.0000	100.7
Feb0704.D	Calibration	Acenaphthene-d10	8.013	61667	1119297	0.0551	1.9755	2.0000	98.8
Feb0705.D	Calibration	Acenaphthene-d10	8.013	32062	1130631	0.0284	0.9751	1.0000	97.5
Feb0706.D	Calibration	Acenaphthene-d10	8.013	17109	1037043	0.0165	0.5333	0.5000	106.7
Feb0707.D	Calibration	Acenaphthene-d10	8.013	7429	1013669	0.0073	0.1924	0.2000	96.2
Feb0708.D	Calibration	Acenaphthene-d10	8.013	4718	973397	0.0048	0.1003	0.1000	100.3
Feb0709.D	QC	Acenaphthene-d10	8.013	65103	1059517	0.0614	2.2140	2.0000	110.7

Compound: Fluorene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Acenaphthene-d10	8.636	390389	1167043	0.3345	9.9807	10.0000	99.8
Feb0703.D	Calibration	Acenaphthene-d10	8.636	194025	1163898	0.1667	5.0767	5.0000	101.5
Feb0704.D	Calibration	Acenaphthene-d10	8.649	69553	1119297	0.0621	1.8922	2.0000	94.6
Feb0705.D	Calibration	Acenaphthene-d10	8.648	38016	1130631	0.0336	1.0049	1.0000	100.5
Feb0706.D	Calibration	Acenaphthene-d10	8.648	19842	1037043	0.0191	0.5507	0.5000	110.1
Feb0707.D	Calibration	Acenaphthene-d10	8.661	8183	1013669	0.0081	0.2026	0.2000	101.3
Feb0708.D	Calibration	Acenaphthene-d10	8.661	4449	973397	0.0046	0.0921	0.1000	92.1
Feb0709.D	QC	Acenaphthene-d10	8.649	68994	1059517	0.0651	1.9844	2.0000	99.2

Compound: Phenanthrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Phenanthrene-d10	9.755	544946	1906711	0.2858	9.9717	10.0000	99.7
Feb0703.D	Calibration	Phenanthrene-d10	9.756	277422	2029696	0.1367	5.0987	5.0000	102.0
Feb0704.D	Calibration	Phenanthrene-d10	9.756	101077	2036232	0.0496	1.9001	2.0000	95.0
Feb0705.D	Calibration	Phenanthrene-d10	9.768	54083	2030480	0.0266	0.9976	1.0000	99.8
Feb0706.D	Calibration	Phenanthrene-d10	9.768	29209	1933896	0.0151	0.5348	0.5000	107.0
Feb0707.D	Calibration	Phenanthrene-d10	9.768	12935	1890759	0.0068	0.1987	0.2000	99.3
Feb0708.D	Calibration	Phenanthrene-d10	9.768	8109	1856879	0.0044	0.0972	0.1000	97.2
Feb0709.D	QC	Phenanthrene-d10	9.768	105176	2009222	0.0523	2.0045	2.0000	100.2

Compound: Anthracene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Phenanthrene-d10	9.817	479111	1906711	0.2513	10.0289	10.0000	100.3
Feb0703.D	Calibration	Phenanthrene-d10	9.830	220873	2029696	0.1088	4.9348	5.0000	98.7
Feb0704.D	Calibration	Phenanthrene-d10	9.830	81750	2036232	0.0401	1.9409	2.0000	97.0
Feb0705.D	Calibration	Phenanthrene-d10	9.830	44491	2030480	0.0219	1.0524	1.0000	105.2
Feb0706.D	Calibration	Phenanthrene-d10	9.830	23664	1933896	0.0122	0.5604	0.5000	112.1
Feb0707.D	Calibration	Phenanthrene-d10	9.830	10131	1890759	0.0054	0.2010	0.2000	100.5
Feb0708.D	Calibration	Phenanthrene-d10	9.842	5930	1856879	0.0032	0.0861	0.1000	86.1
Feb0709.D	QC	Phenanthrene-d10	9.830	91219	2009222	0.0454	2.1883	2.0000	109.4

Compound: o-Terphenyl

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Phenanthrene-d10	10.262	342564	1906711	0.1797	10.0391	10.0000	100.4
Feb0703.D	Calibration	Phenanthrene-d10	10.262	156344	2029696	0.0770	4.9065	5.0000	98.1
Feb0704.D	Calibration	Phenanthrene-d10	10.274	58192	2036232	0.0286	1.9367	2.0000	96.8
Feb0705.D	Calibration	Phenanthrene-d10	10.274	32391	2030480	0.0160	1.0702	1.0000	107.0
Feb0706.D	Calibration	Phenanthrene-d10	10.274	17384	1933896	0.0090	0.5710	0.5000	114.2
Feb0707.D	Calibration	Phenanthrene-d10	10.274	7450	1890759	0.0039	0.1985	0.2000	99.2
Feb0708.D	Calibration	Phenanthrene-d10	10.274	4485	1856879	0.0024	0.0841	0.1000	84.1
Feb0709.D	QC	Phenanthrene-d10	10.274	64359	2009222	0.0320	2.1659	2.0000	108.3

Compound: Fluoranthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Phenanthrene-d10	11.349	526057	1906711	0.2759	10.0114	10.0000	100.1
Feb0703.D	Calibration	Phenanthrene-d10	11.349	256730	2029696	0.1265	4.9687	5.0000	99.4
Feb0704.D	Calibration	Phenanthrene-d10	11.349	100618	2036232	0.0494	2.0152	2.0000	100.8
Feb0705.D	Calibration	Phenanthrene-d10	11.361	49241	2030480	0.0243	0.9811	1.0000	98.1
Feb0706.D	Calibration	Phenanthrene-d10	11.361	26413	1933896	0.0137	0.5337	0.5000	106.7
Feb0707.D	Calibration	Phenanthrene-d10	11.374	10718	1890759	0.0057	0.1912	0.2000	95.6
Feb0708.D	Calibration	Phenanthrene-d10	11.374	6574	1856879	0.0035	0.0993	0.1000	99.3
Feb0709.D	QC	Phenanthrene-d10	11.361	101992	2009222	0.0508	2.0695	2.0000	103.5

Compound: Pyrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Chrysene-d12	11.719	585379	1688300	0.3467	10.0088	10.0000	100.1
Feb0703.D	Calibration	Chrysene-d12	11.720	286965	1711647	0.1677	4.9817	5.0000	99.6
Feb0704.D	Calibration	Chrysene-d12	11.720	111845	1667940	0.0671	1.9955	2.0000	99.8
Feb0705.D	Calibration	Chrysene-d12	11.732	54965	1607359	0.0342	0.9913	1.0000	99.1
Feb0706.D	Calibration	Chrysene-d12	11.732	29387	1512590	0.0194	0.5351	0.5000	107.0
Feb0707.D	Calibration	Chrysene-d12	11.732	12264	1492991	0.0082	0.1866	0.2000	93.3
Feb0708.D	Calibration	Chrysene-d12	11.744	7955	1454689	0.0055	0.1010	0.1000	101.0
Feb0709.D	QC	Chrysene-d12	11.732	112061	1597881	0.0701	2.0887	2.0000	104.4

Compound: Terphenyl-d14

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Chrysene-d12	12.176	372878	1688300	0.2209	9.9760	10.0000	99.8
Feb0703.D	Calibration	Chrysene-d12	12.177	185141	1711647	0.1082	5.0804	5.0000	101.6
Feb0704.D	Calibration	Chrysene-d12	12.177	67591	1667940	0.0405	1.9211	2.0000	96.1
Feb0705.D	Calibration	Chrysene-d12	12.189	34394	1607359	0.0214	0.9924	1.0000	99.2
Feb0706.D	Calibration	Chrysene-d12	12.189	18445	1512590	0.0122	0.5394	0.5000	107.9
Feb0707.D	Calibration	Chrysene-d12	12.201	7683	1492991	0.0051	0.1898	0.2000	94.9
Feb0708.D	Calibration	Chrysene-d12	12.201	4881	1454689	0.0034	0.1005	0.1000	100.5
Feb0709.D	QC	Chrysene-d12	12.189	66515	1597881	0.0416	1.9742	2.0000	98.7

Compound: Benzo(a)Anthracene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Chrysene-d12	14.577	411571	1688300	0.2438	10.0160	10.0000	100.2
Feb0703.D	Calibration	Chrysene-d12	14.577	198910	1711647	0.1162	4.9777	5.0000	99.6
Feb0704.D	Calibration	Chrysene-d12	14.577	77029	1667940	0.0462	1.9318	2.0000	96.6
Feb0705.D	Calibration	Chrysene-d12	14.577	43159	1607359	0.0269	1.0475	1.0000	104.7
Feb0706.D	Calibration	Chrysene-d12	14.589	24049	1512590	0.0159	0.5371	0.5000	107.4
Feb0707.D	Calibration	Chrysene-d12	14.589	12989	1492991	0.0087	0.1977	0.2000	98.9
Feb0708.D	Calibration	Chrysene-d12	14.602	9432	1454689	0.0065	0.0926	0.1000	92.6
Feb0709.D	QC	Chrysene-d12	14.589	83669	1597881	0.0524	2.2103	2.0000	110.5

Compound: Chrysene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Chrysene-d12	14.677	550015	1688300	0.3258	10.0034	10.0000	100.0
Feb0703.D	Calibration	Chrysene-d12	14.677	276476	1711647	0.1615	5.0233	5.0000	100.5
Feb0704.D	Calibration	Chrysene-d12	14.677	102815	1667940	0.0616	1.8940	2.0000	94.7
Feb0705.D	Calibration	Chrysene-d12	14.677	55474	1607359	0.0345	1.0299	1.0000	103.0
Feb0706.D	Calibration	Chrysene-d12	14.677	29692	1512590	0.0196	0.5533	0.5000	110.7
Feb0707.D	Calibration	Chrysene-d12	14.676	13359	1492991	0.0089	0.2099	0.2000	105.0
Feb0708.D	Calibration	Chrysene-d12	14.677	7426	1454689	0.0051	0.0862	0.1000	86.2
Feb0709.D	QC	Chrysene-d12	14.677	114067	1597881	0.0714	2.2029	2.0000	110.1

Compound: Benzo(b)fluoranthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Perylene-d12	17.622	413237	1059792	0.3899	9.9837	10.0000	99.8
Feb0703.D	Calibration	Perylene-d12	17.622	191619	1051998	0.1821	5.0687	5.0000	101.4
Feb0704.D	Calibration	Perylene-d12	17.622	65972	1019908	0.0647	1.8864	2.0000	94.3
Feb0705.D	Calibration	Perylene-d12	17.634	34624	958531	0.0361	1.0526	1.0000	105.3
Feb0706.D	Calibration	Perylene-d12	17.634	15908	874645	0.0182	0.5147	0.5000	102.9
Feb0707.D	Calibration	Perylene-d12	17.647	6604	861952	0.0077	0.1936	0.2000	96.8
Feb0708.D	Calibration	Perylene-d12	17.647	3848	835917	0.0046	0.0995	0.1000	99.5
Feb0709.D	QC	Perylene-d12	17.634	67486	909346	0.0742	2.1588	2.0000	107.9

Compound: Benzo(k)fluoranthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Perylene-d12	17.684	429710	1059792	0.4055	9.9806	10.0000	99.8
Feb0703.D	Calibration	Perylene-d12	17.684	211377	1051998	0.2009	5.0881	5.0000	101.8
Feb0704.D	Calibration	Perylene-d12	17.696	74874	1019908	0.0734	1.8501	2.0000	92.5
Feb0705.D	Calibration	Perylene-d12	17.696	40445	958531	0.0422	1.0322	1.0000	103.2
Feb0706.D	Calibration	Perylene-d12	17.696	20869	874645	0.0239	0.5470	0.5000	109.4
Feb0707.D	Calibration	Perylene-d12	17.708	9883	861952	0.0115	0.2168	0.2000	108.4
Feb0708.D	Calibration	Perylene-d12	17.709	5460	835917	0.0065	0.0849	0.1000	84.9
Feb0709.D	QC	Perylene-d12	17.696	80433	909346	0.0885	2.2404	2.0000	112.0

Compound: Benzo(a)pyrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Perylene-d12	18.264	346642	1059792	0.3271	9.9772	10.0000	99.8
Feb0703.D	Calibration	Perylene-d12	18.277	165116	1051998	0.1570	5.0807	5.0000	101.6
Feb0704.D	Calibration	Perylene-d12	18.277	58672	1019908	0.0575	1.9113	2.0000	95.6
Feb0705.D	Calibration	Perylene-d12	18.277	29274	958531	0.0305	1.0016	1.0000	100.2
Feb0706.D	Calibration	Perylene-d12	18.277	14919	874645	0.0171	0.5380	0.5000	107.6
Feb0707.D	Calibration	Perylene-d12	18.289	6086	861952	0.0071	0.1904	0.2000	95.2
Feb0708.D	Calibration	Perylene-d12	18.289	3747	835917	0.0045	0.1001	0.1000	100.1
Feb0709.D	QC	Perylene-d12	18.277	57337	909346	0.0631	2.0947	2.0000	104.7

Compound: Indeno(1,2,3-cd)pyrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Perylene-d12	20.118	318177	1059792	0.3002	9.9874	10.0000	99.9
Feb0703.D	Calibration	Perylene-d12	20.130	147730	1051998	0.1404	5.0421	5.0000	100.8
Feb0704.D	Calibration	Perylene-d12	20.130	53642	1019908	0.0526	1.9653	2.0000	98.3
Feb0705.D	Calibration	Perylene-d12	20.130	25459	958531	0.0266	0.9881	1.0000	98.8
Feb0706.D	Calibration	Perylene-d12	20.143	12627	874645	0.0144	0.5212	0.5000	104.2
Feb0707.D	Calibration	Perylene-d12	20.142	5243	861952	0.0061	0.1947	0.2000	97.4
Feb0708.D	Calibration	Perylene-d12	20.143	3086	835917	0.0037	0.1006	0.1000	100.6
Feb0709.D	QC	Perylene-d12	20.130	51223	909346	0.0563	2.1027	2.0000	105.1

Compound: Dibenzo(a,h)anthracene

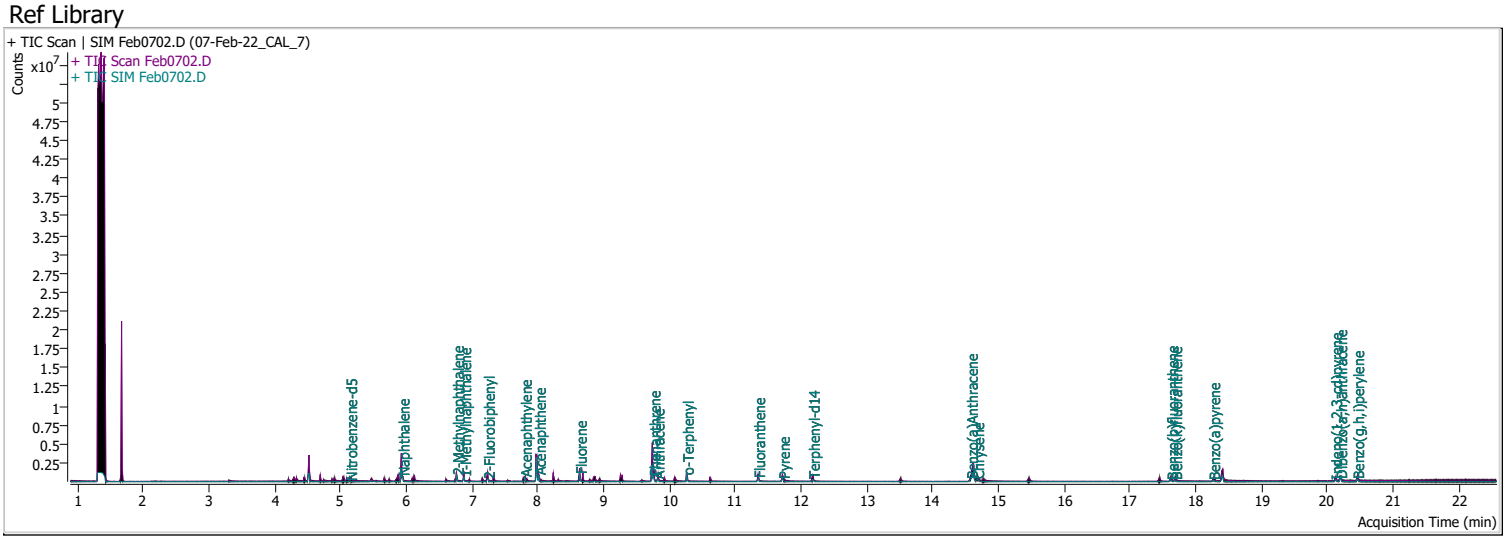
Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Perylene-d12	20.192	365806	1059792	0.3452	9.9979	10.0000	100.0
Feb0703.D	Calibration	Perylene-d12	20.192	167932	1051998	0.1596	5.0318	5.0000	100.6
Feb0704.D	Calibration	Perylene-d12	20.204	58803	1019908	0.0577	1.8913	2.0000	94.6
Feb0705.D	Calibration	Perylene-d12	20.204	31125	958531	0.0325	1.0538	1.0000	105.4
Feb0706.D	Calibration	Perylene-d12	20.204	15098	874645	0.0173	0.5339	0.5000	106.8
Feb0707.D	Calibration	Perylene-d12	20.217	6541	861952	0.0076	0.1973	0.2000	98.7
Feb0708.D	Calibration	Perylene-d12	20.217	3884	835917	0.0046	0.0940	0.1000	94.0
Feb0709.D	QC	Perylene-d12	20.204	60745	909346	0.0668	2.1887	2.0000	109.4

Compound: Benzo(g,h,i)perylene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb0702.D	Calibration	Perylene-d12	20.451	423999	1059792	0.4001	9.9944	10.0000	99.9
Feb0703.D	Calibration	Perylene-d12	20.452	199971	1051998	0.1901	5.0491	5.0000	101.0
Feb0704.D	Calibration	Perylene-d12	20.464	69957	1019908	0.0686	1.8626	2.0000	93.1
Feb0705.D	Calibration	Perylene-d12	20.464	37800	958531	0.0394	1.0526	1.0000	105.3
Feb0706.D	Calibration	Perylene-d12	20.464	19198	874645	0.0219	0.5573	0.5000	111.5
Feb0707.D	Calibration	Perylene-d12	20.476	7864	861952	0.0091	0.1892	0.2000	94.6
Feb0708.D	Calibration	Perylene-d12	20.476	4892	835917	0.0059	0.0946	0.1000	94.6
Feb0709.D	QC	Perylene-d12	20.464	72252	909346	0.0795	2.1595	2.0000	108.0

Quantitation Results Report (QT Reviewed)

Data File	Feb0702.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 3:41:27 PM
Sample Name	07-Feb-22_CAL_7	Instrument	GCMS
Vial	2	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

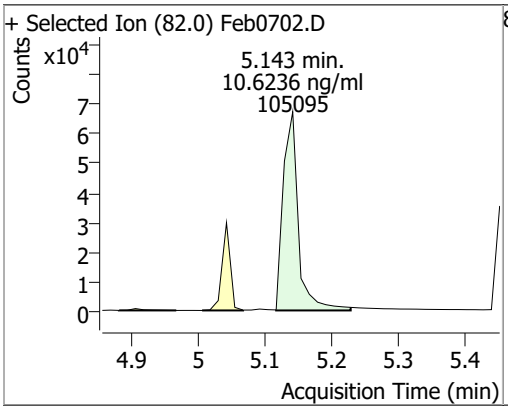


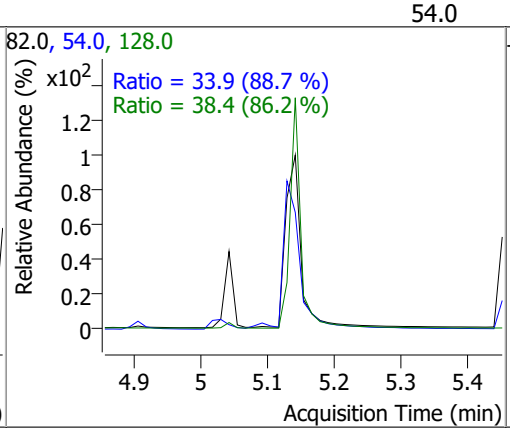
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	496245	40.0000	ng/ml		0.000
M Naphthalene-d8	5.916	136.0	1707780	40.0000	ng/ml		-0.013
M Acenaphthene-d10	7.975	164.0	1167043	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.731	188.0	1906711	40.0000	ng/ml		0.000
M Chrysene-d12	14.614	240.0	1688300	40.0000	ng/ml		0.000
M Perylene-d12	18.400	264.0	1059792	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	105095	10.6236	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 212.47%		*	
S 2-Fluorobiphenyl	7.239	172.0	356557	9.9468	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 198.94%		*	
S o-Terphenyl	10.262	230.0	342564	10.0391	ng/ml		-0.013
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 200.78%		*	
S Terphenyl-d14	12.176	244.0	372878	9.9760	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 199.52%		*	
Target Compounds							**QValue**
T Naphthalene	5.941	128.0	484142	10.0001	ng/ml		94
T 2-Methylnaphthalene	6.765	141.0	305174	10.0248	ng/ml		98
T 1-Methylnaphthalene	6.877	141.0	264067	9.9487	ng/ml	m	99
T Acenaphthylene	7.801	152.0	450322	10.0658	ng/ml		97
T Acenaphthene	8.013	154.0	307641	9.9878	ng/ml		100
T Fluorene	8.636	166.0	390389	9.9807	ng/ml		86
T Phenanthrene	9.755	178.0	544946	9.9717	ng/ml	m	99
T Anthracene	9.817	178.0	479111	10.0289	ng/ml		100
T Fluoranthene	11.349	202.0	526057	10.0114	ng/ml		99
T Pyrene	11.719	202.0	585379	10.0088	ng/ml		100
T Benzo(a)Anthracene	14.577	228.0	411571	10.0160	ng/ml	m	99
T Chrysene	14.677	228.0	550015	10.0034	ng/ml		98
T Benzo(b)fluoranthene	17.622	252.0	413237	9.9837	ng/ml	m	96

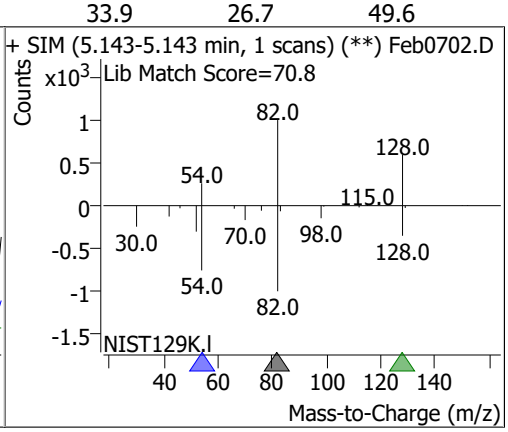
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	17.684	252.0	429710	9.9806	ng/ml		99
T Benzo(a)pyrene	18.264	252.0	346642	9.9772	ng/ml	m	98
T Indeno(1,2,3-cd)pyrene	20.118	276.0	318177	9.9874	ng/ml	m	99
T Dibenzo(a,h)anthracene	20.192	278.0	365806	9.9979	ng/ml		98
T Benzo(g,h,i)perylene	20.451	276.0	423999	9.9944	ng/ml		98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

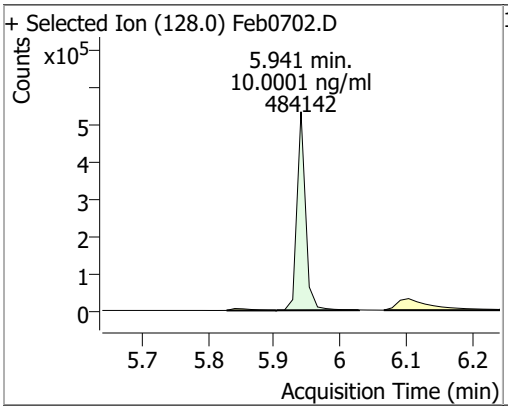
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	10.6236	5.14	-0.01	105095	128.0	38.4	31.2	57.9
					54.0	33.9	26.7	49.6

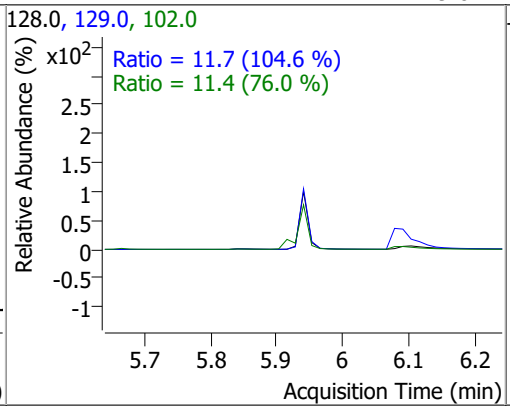


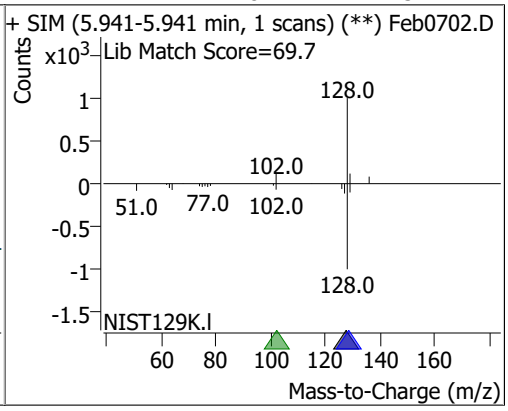




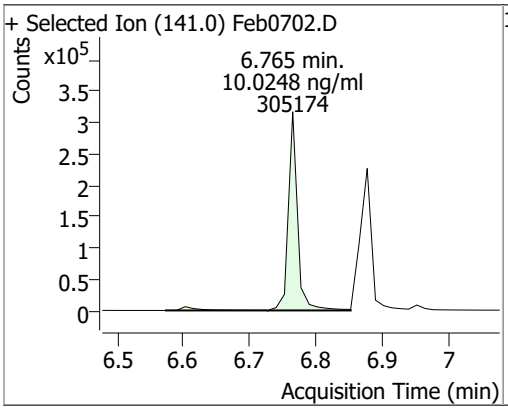
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	10.0001	5.94	0.00	484142	102.0	11.4	0.0	45.0
					129.0	11.7	7.8	14.5

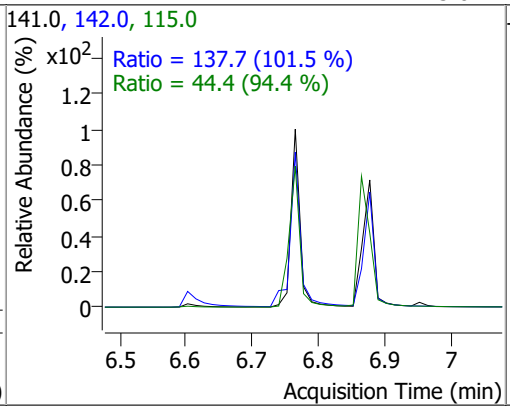


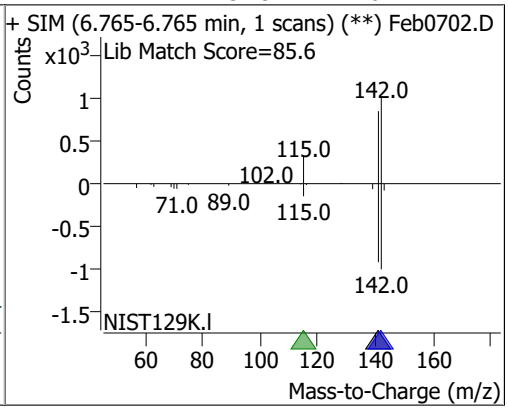




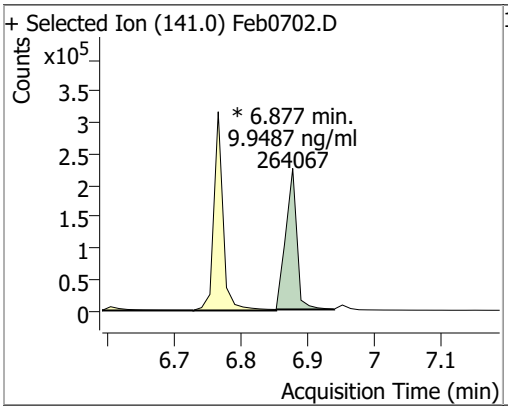
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	10.0248	6.76	-0.01	305174	142.0	137.7	95.0	176.4
					115.0	44.4	32.9	61.2

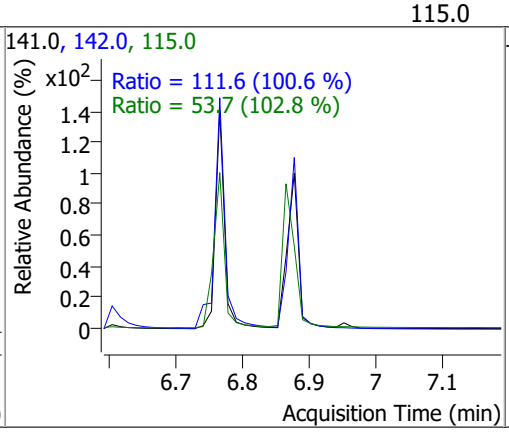


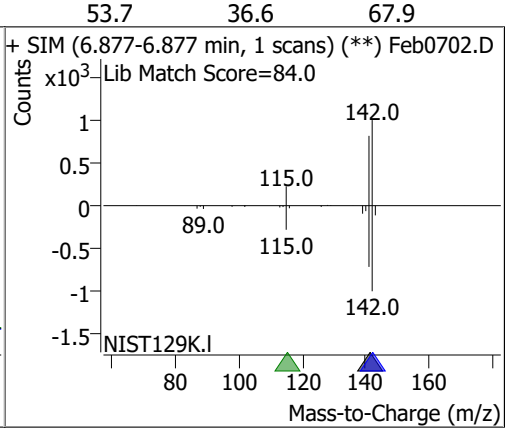




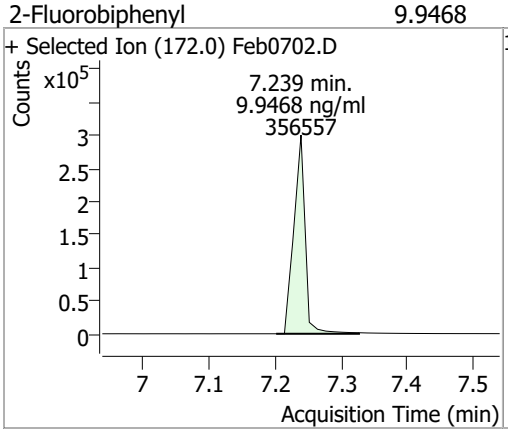
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	9.9487	6.88	-0.01	264067 (m)	142.0	111.6	77.7	144.2
					115.0	53.7	36.6	67.9

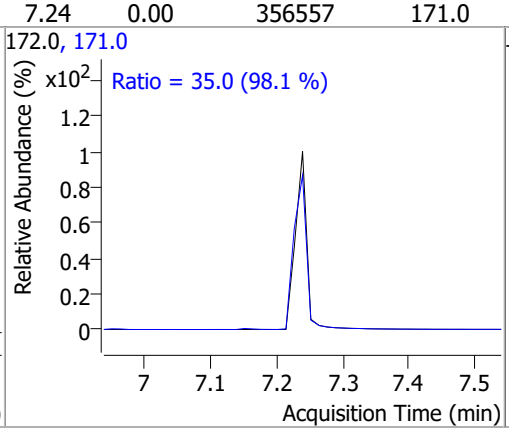


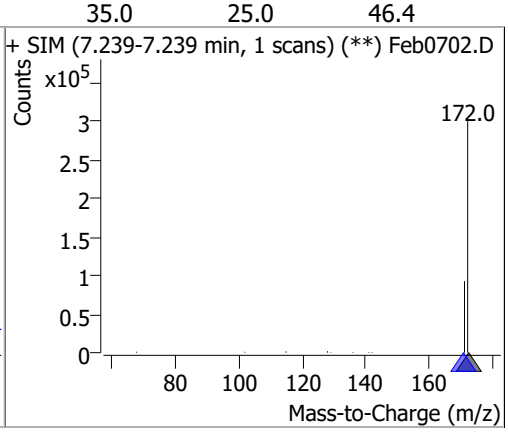




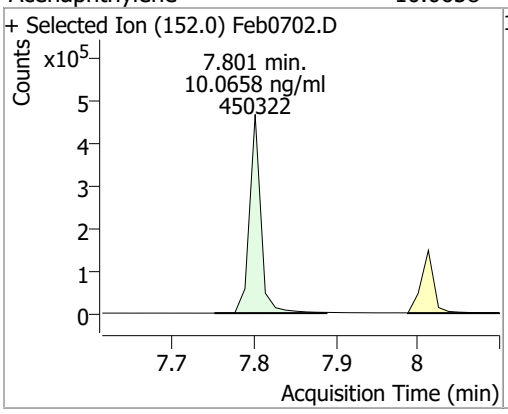
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	9.9468	7.24	0.00	356557	171.0	35.0	25.0	46.4

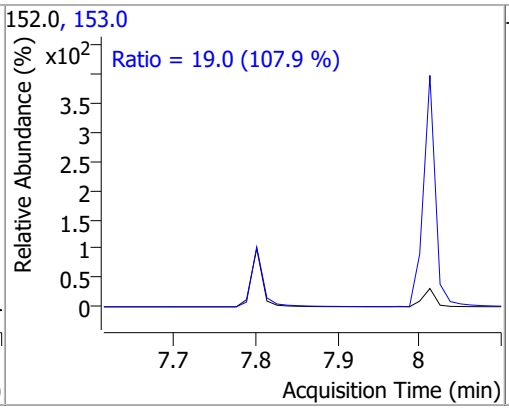


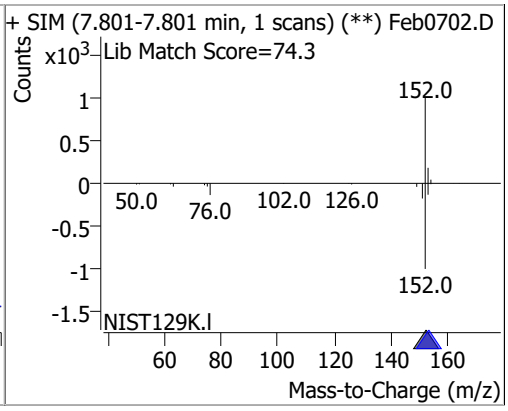




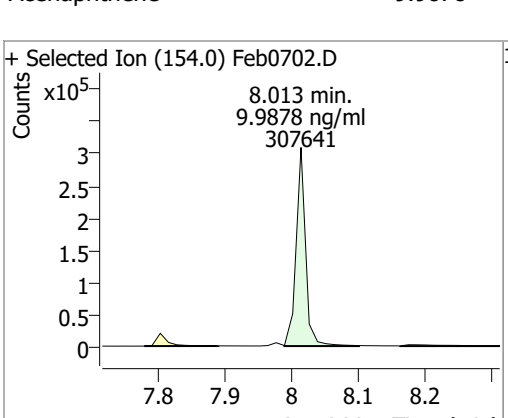
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	10.0658	7.80	0.00	450322	153.0	19.0	12.3	22.9

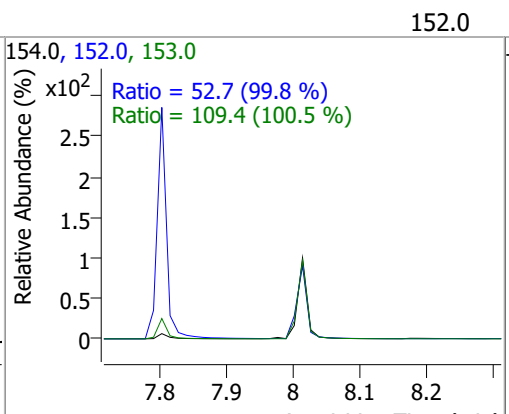


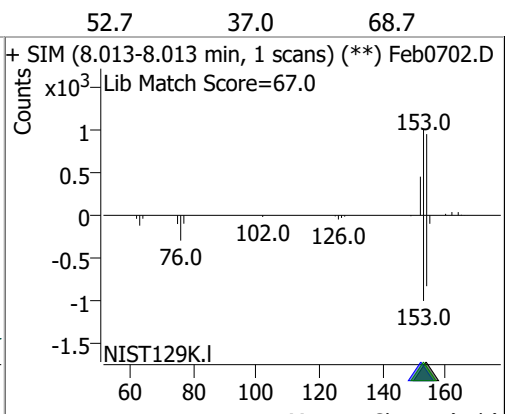




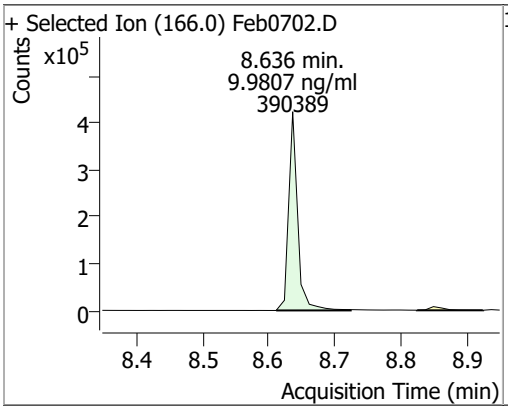
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	9.9878	8.01	0.00	307641	153.0	109.4	76.2	141.5
					152.0	52.7	37.0	68.7

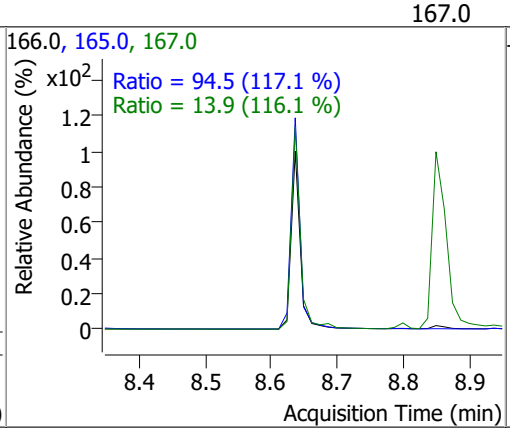


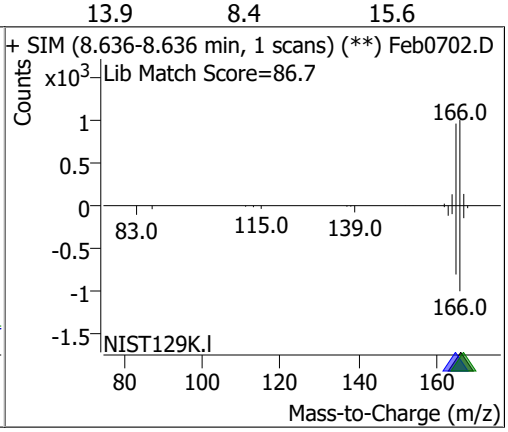




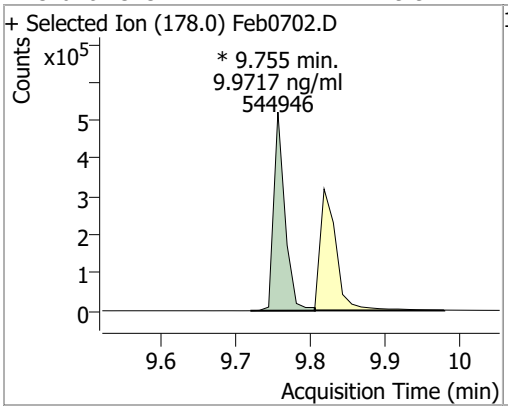
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	9.9807	8.64	-0.01	390389	165.0	94.5	56.5	104.9
					167.0	13.9	8.4	15.6

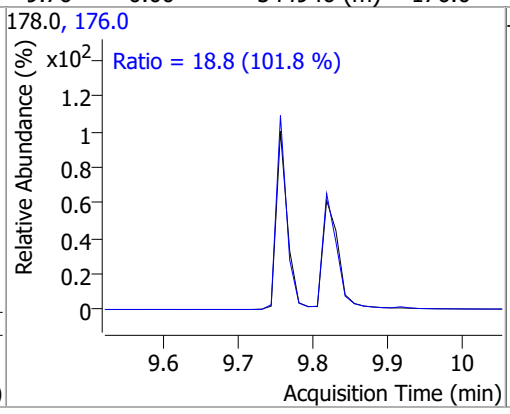


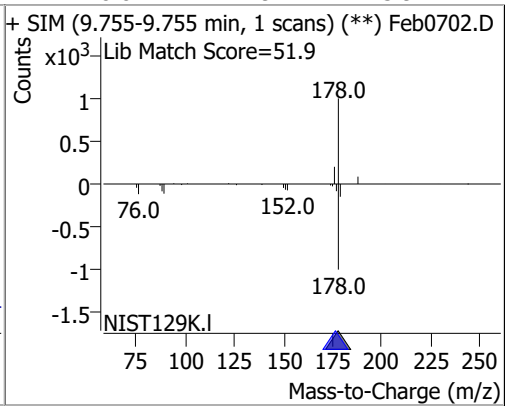




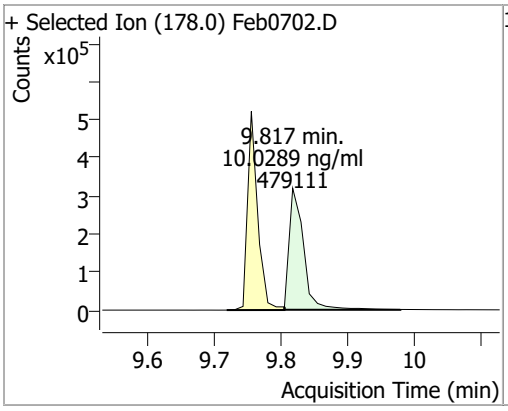
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	9.9717	9.76	0.00	544946 (m)	176.0	18.8	12.9	23.9

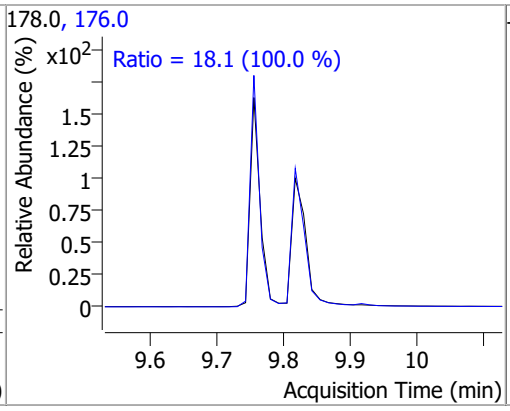


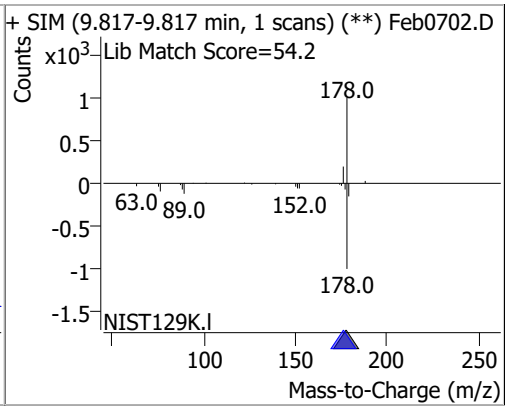




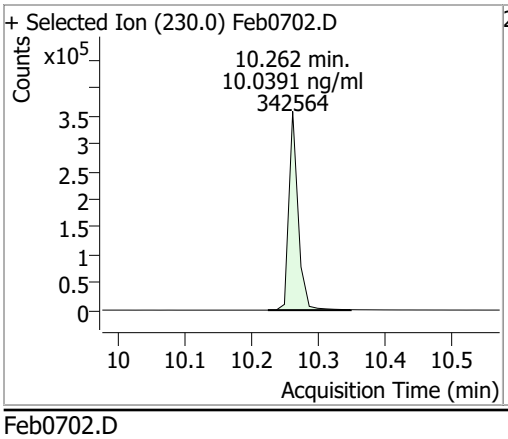
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	10.0289	9.82	-0.01	479111	176.0	18.1	12.7	23.6

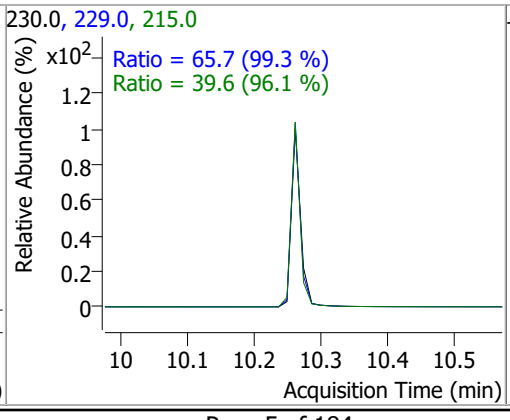


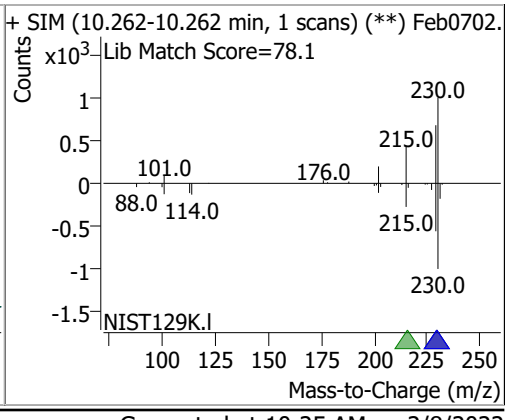




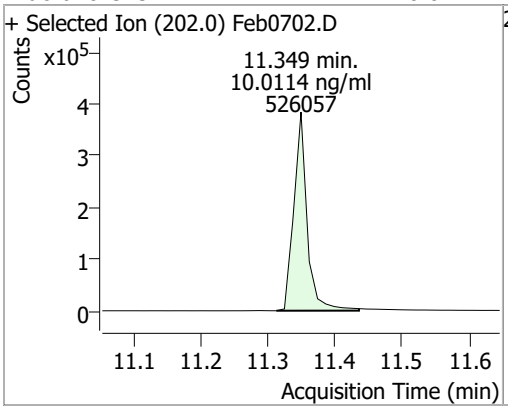
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	10.0391	10.26	-0.01	342564	229.0	65.7	46.3	85.9
					215.0	39.6	28.9	53.6

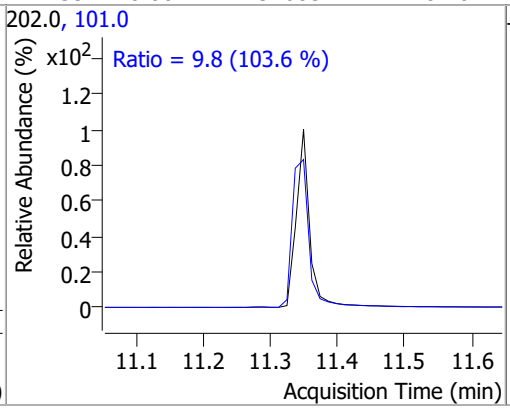


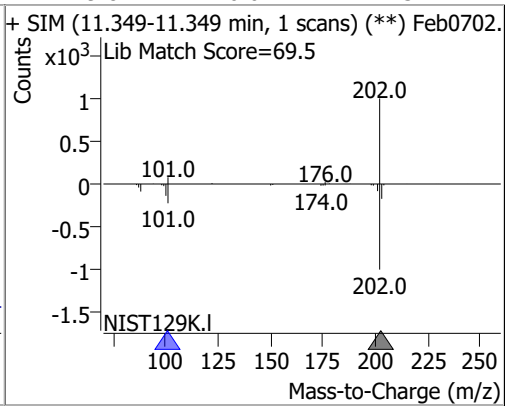




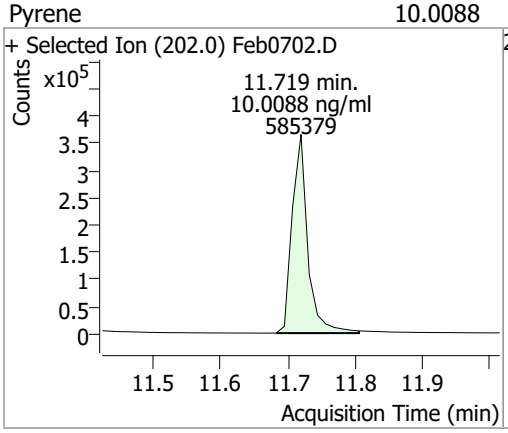
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	10.0114	11.35	0.00	526057	101.0	9.8	6.6	12.3

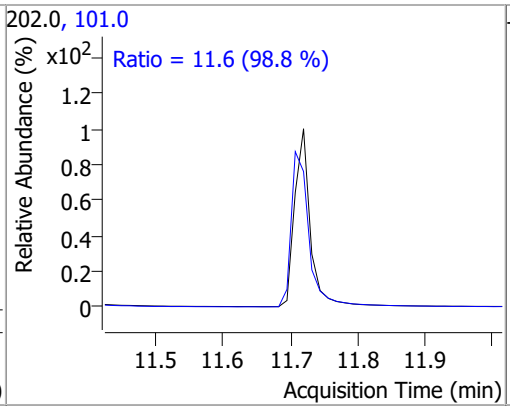


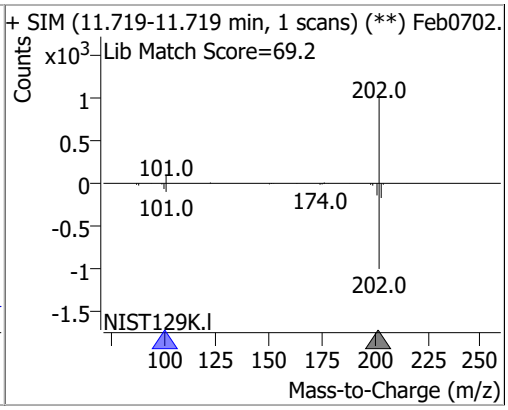




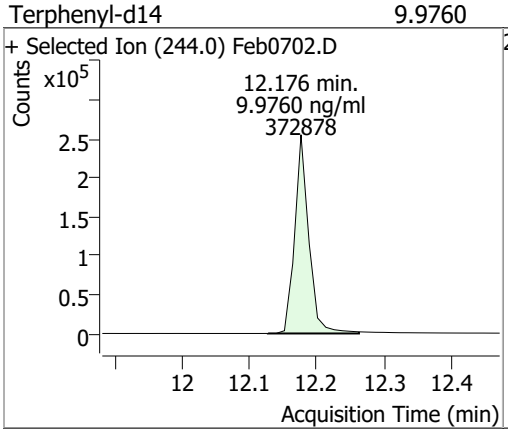
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	10.0088	11.72	0.00	585379	101.0	11.6	8.2	15.2

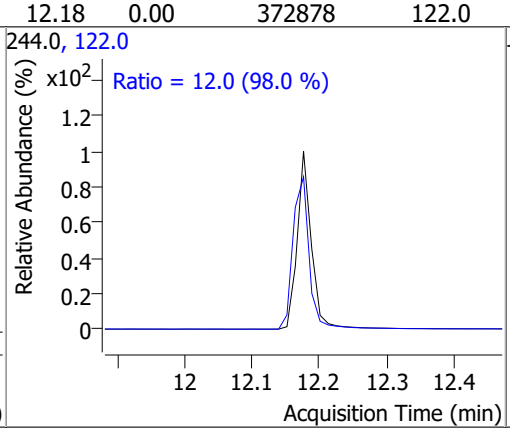


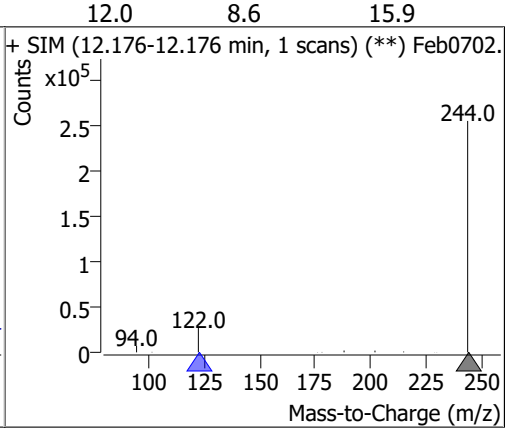




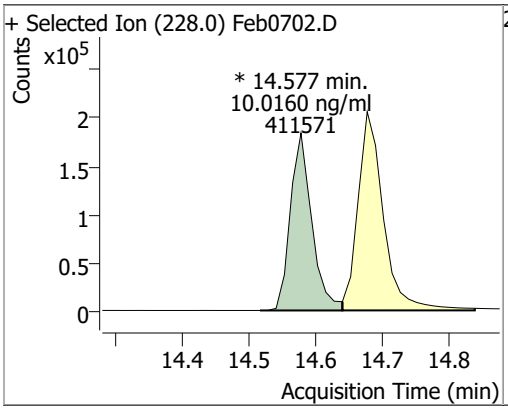
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	9.9760	12.18	0.00	372878	122.0	12.0	8.6	15.9

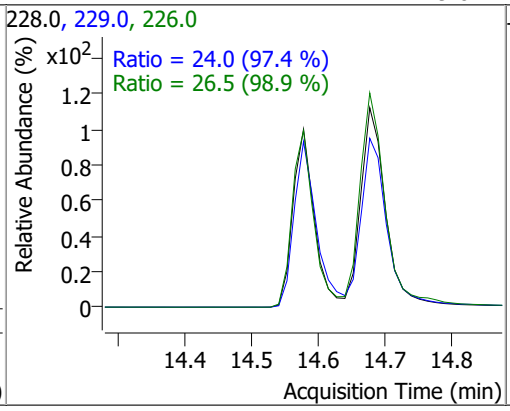


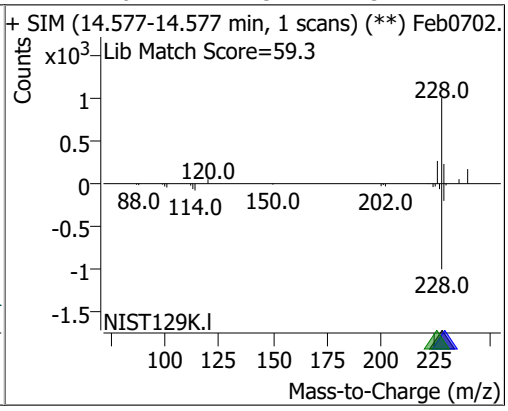




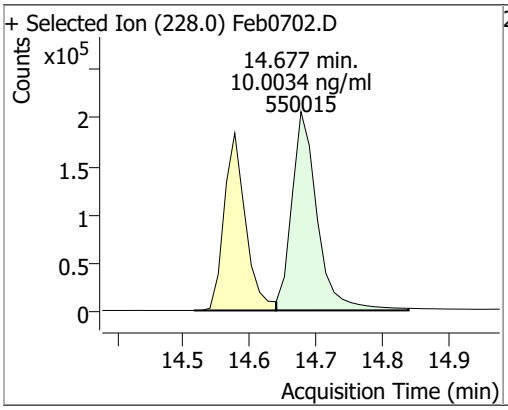
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	10.0160	14.58	0.00	411571 (m)	226.0	26.5	18.7	34.8
					229.0	24.0	17.3	32.1

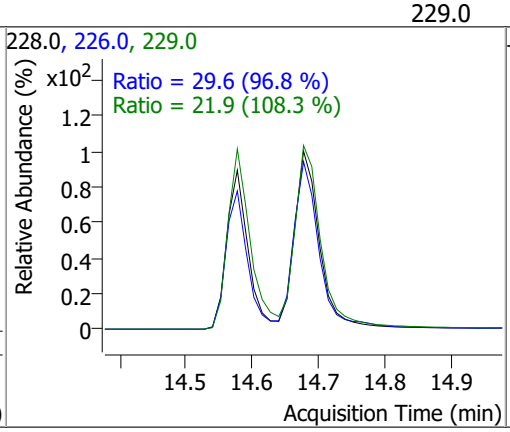


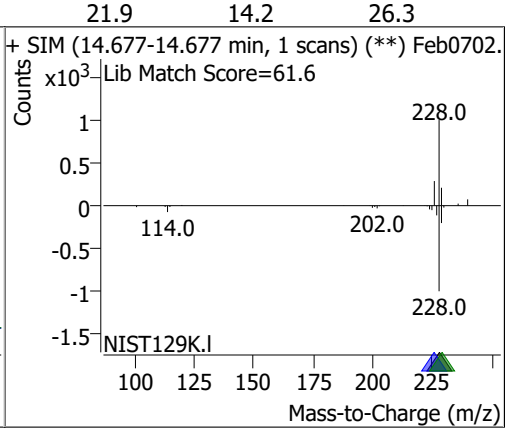




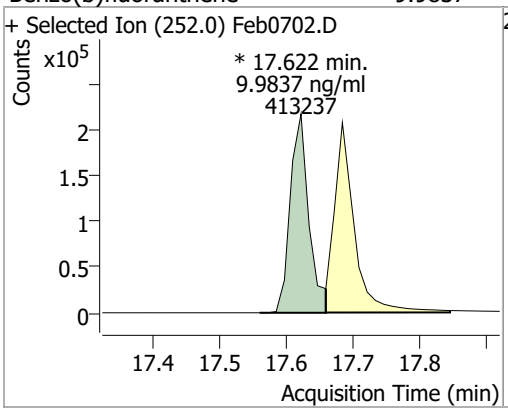
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	10.0034	14.68	0.00	550015	226.0	29.6	21.4	39.7
					229.0	21.9	14.2	26.3

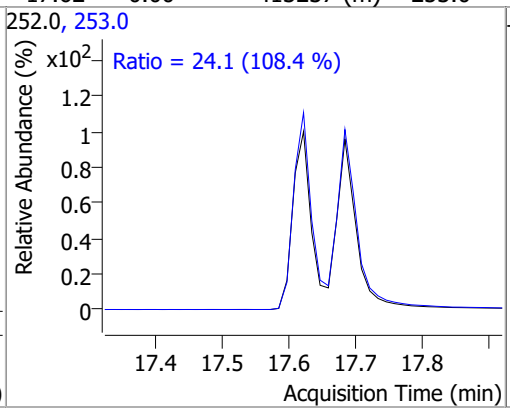


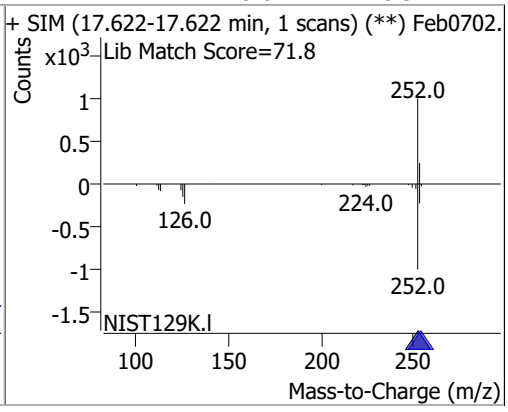




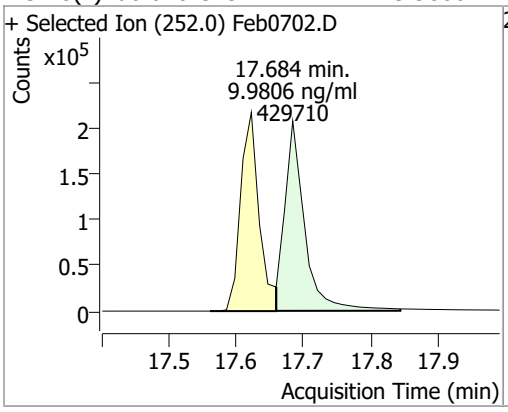
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	9.9837	17.62	0.00	413237 (m)	253.0	24.1	15.6	28.9

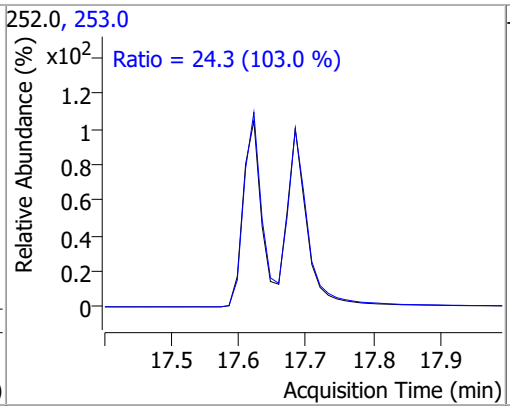


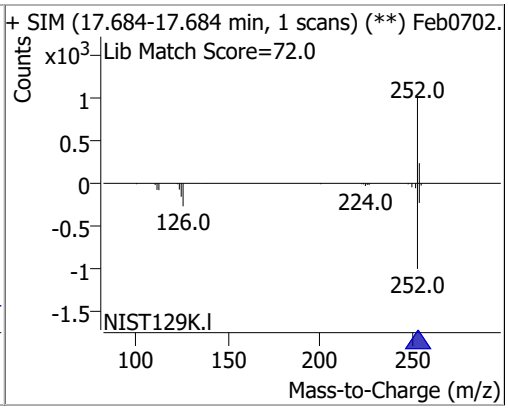




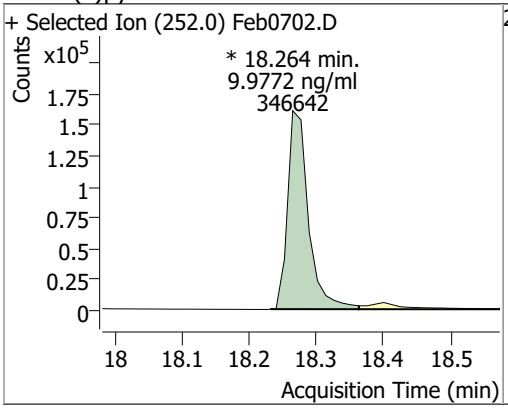
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	9.9806	17.68	-0.01	429710	253.0	24.3	16.5	30.6

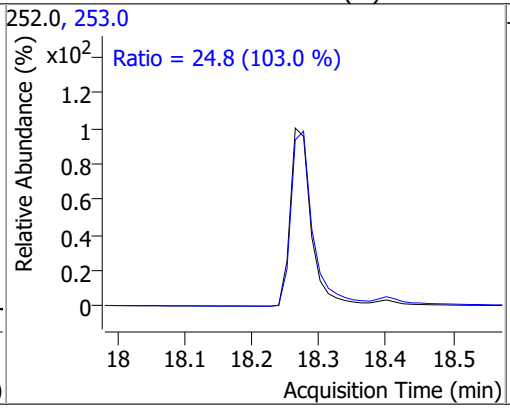


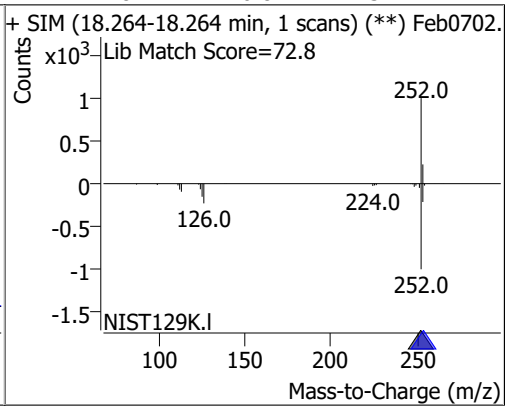




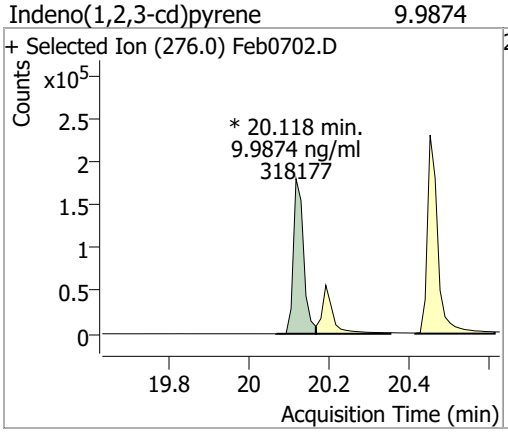
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	9.9772	18.26	-0.01	346642 (m)	253.0	24.8	16.8	31.2

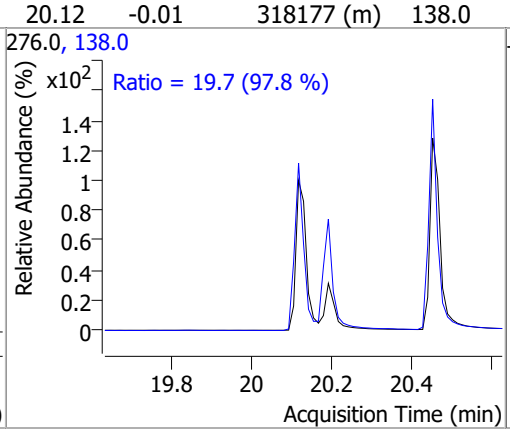


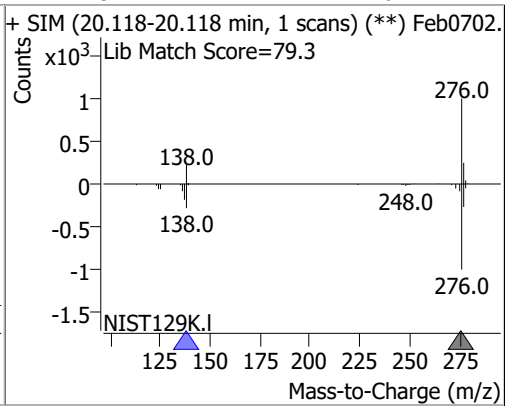




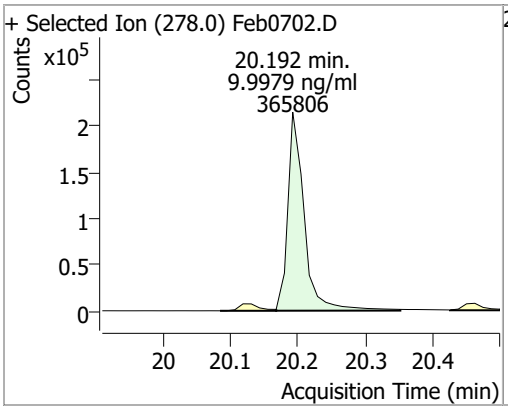
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	9.9874	20.12	-0.01	318177 (m)	138.0	19.7	14.1	26.2

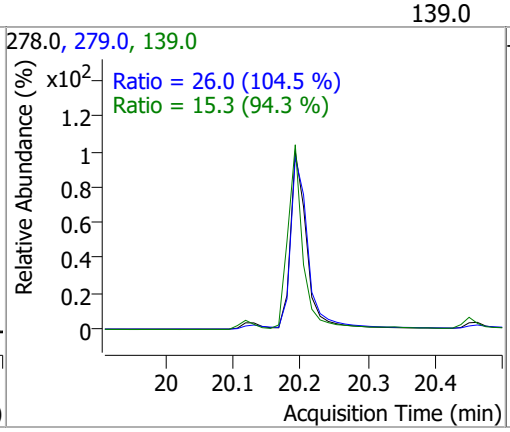


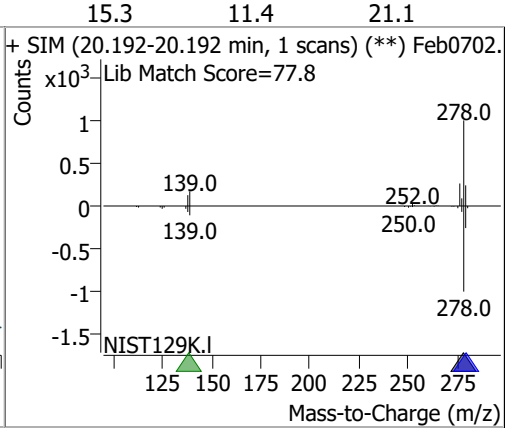




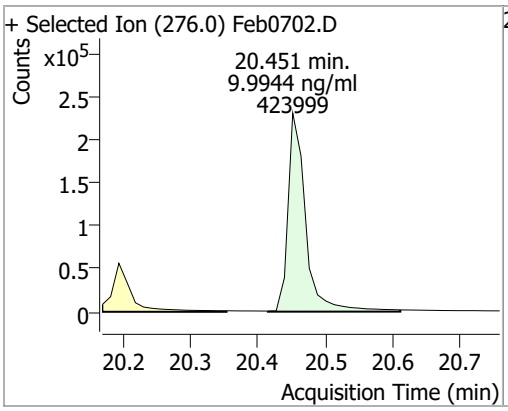
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	9.9979	20.19	-0.01	365806	279.0	26.0	17.4	32.4
					139.0	15.3	11.4	21.1

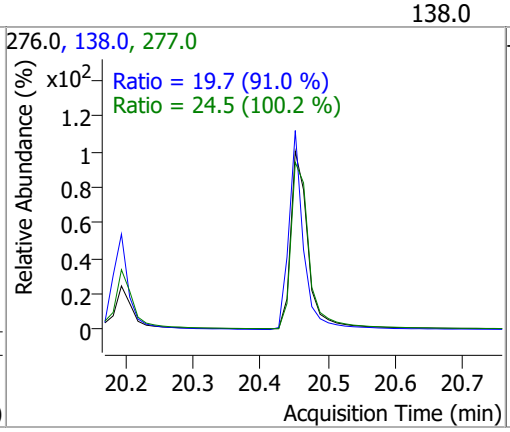


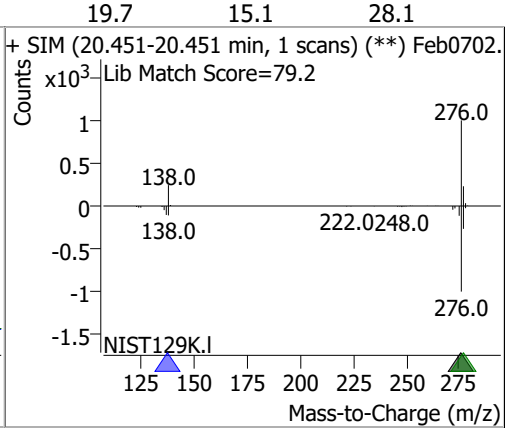




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	9.9944	20.45	-0.01	423999	277.0	24.5	17.2	31.9
					138.0	19.7	15.1	28.1

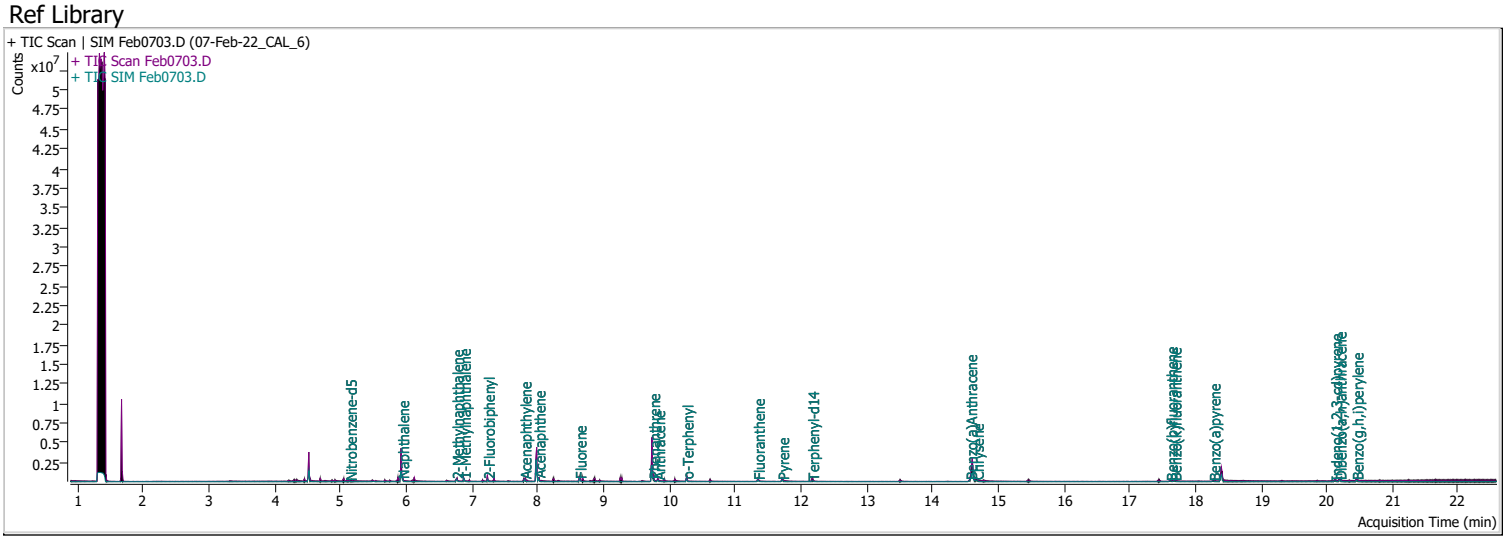






Quantitation Results Report (QT Reviewed)

Data File	Feb0703.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 4:14:01 PM
Sample Name	07-Feb-22_CAL_6	Instrument	GCMS
Vial	3	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

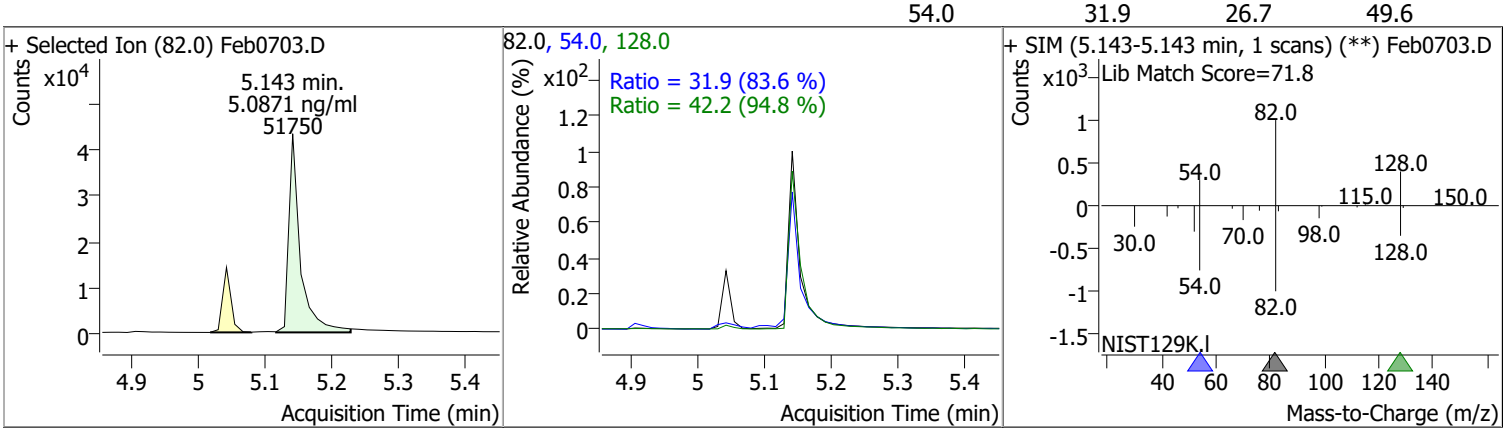


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	510296	40.0000	ng/ml		0.000
M Naphthalene-d8	5.916	136.0	1758659	40.0000	ng/ml		-0.013
M Acenaphthene-d10	7.976	164.0	1163898	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.731	188.0	2029696	40.0000	ng/ml		0.000
M Chrysene-d12	14.614	240.0	1711647	40.0000	ng/ml		0.000
M Perylene-d12	18.400	264.0	1051998	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	51750	5.0871	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 101.74%			
S 2-Fluorobiphenyl	7.240	172.0	185009	5.1197	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 102.39%		*	
S o-Terphenyl	10.262	230.0	156344	4.9065	ng/ml		-0.012
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 98.13%			
S Terphenyl-d14	12.177	244.0	185141	5.0804	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 101.61%			
Target Compounds							**QValue**
T Naphthalene	5.941	128.0	239982	5.0104	ng/ml		97
T 2-Methylnaphthalene	6.765	141.0	145553	4.9469	ng/ml		98
T 1-Methylnaphthalene	6.877	141.0	149256	5.1448	ng/ml		95
T Acenaphthylene	7.801	152.0	226091	5.0673	ng/ml		97
T Acenaphthene	8.013	154.0	158193	5.0357	ng/ml		98
T Fluorene	8.636	166.0	194025	5.0767	ng/ml		83
T Phenanthrene	9.756	178.0	277422	5.0987	ng/ml		100
T Anthracene	9.830	178.0	220873	4.9348	ng/ml		99
T Fluoranthene	11.349	202.0	256730	4.9687	ng/ml		98
T Pyrene	11.720	202.0	286965	4.9817	ng/ml		99
T Benzo(a)Anthracene	14.577	228.0	198910	4.9777	ng/ml		100
T Chrysene	14.677	228.0	276476	5.0233	ng/ml		99
T Benzo(b)fluoranthene	17.622	252.0	191619	5.0687	ng/ml		98

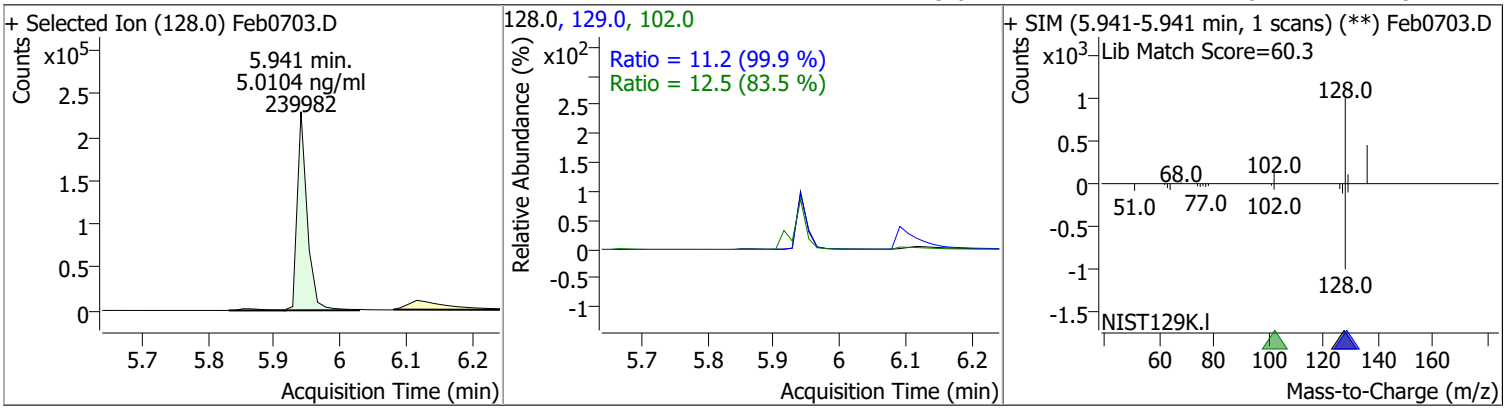
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.684	252.0	211377	5.0881	ng/ml	100
T Benzo(a)pyrene	18.277	252.0	165116	5.0807	ng/ml	99
T Indeno(1,2,3-cd)pyrene	20.130	276.0	147730	5.0421	ng/ml	99
T Dibenzo(a,h)anthracene	20.192	278.0	167932	5.0318	ng/ml	98
T Benzo(g,h,i)perylene	20.452	276.0	199971	5.0491	ng/ml	97

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

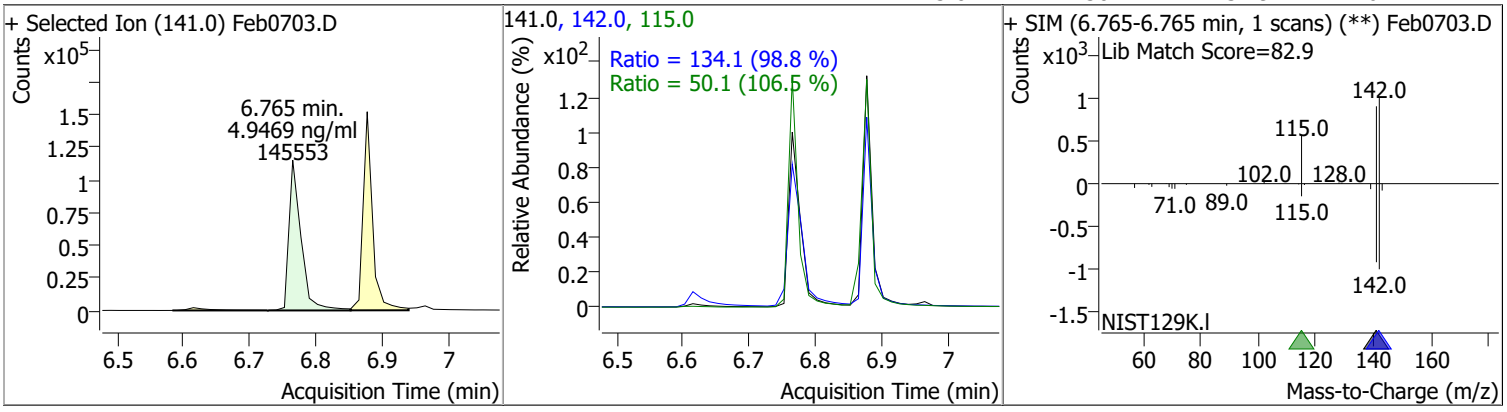
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	5.0871	5.14	-0.01	51750	128.0	42.2	31.2	57.9
					54.0	31.9	26.7	49.6



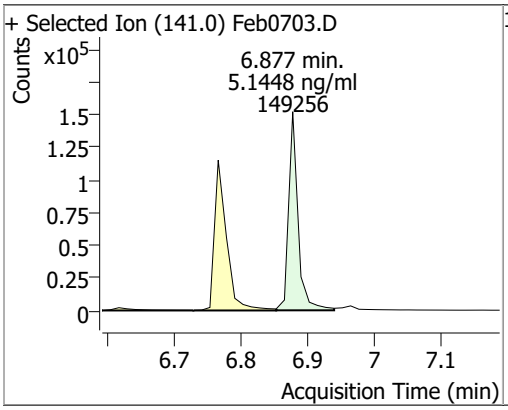
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	5.0104	5.94	0.00	239982	102.0	12.5	0.0	45.0
					129.0	11.2	7.8	14.5

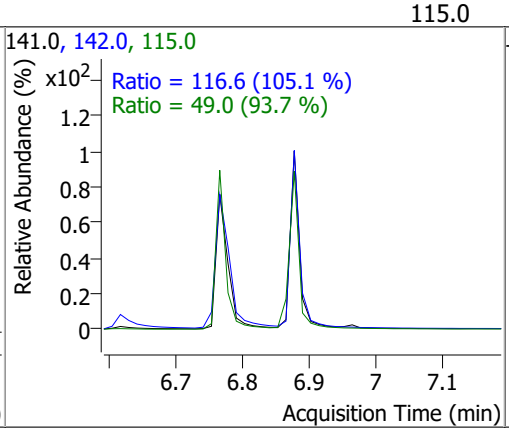


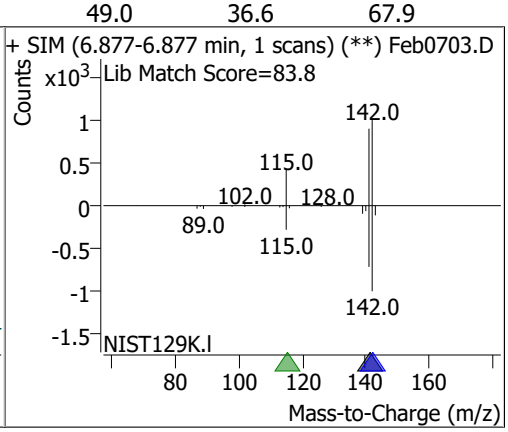
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	4.9469	6.76	-0.01	145553	142.0	134.1	95.0	176.4
					115.0	50.1	32.9	61.2



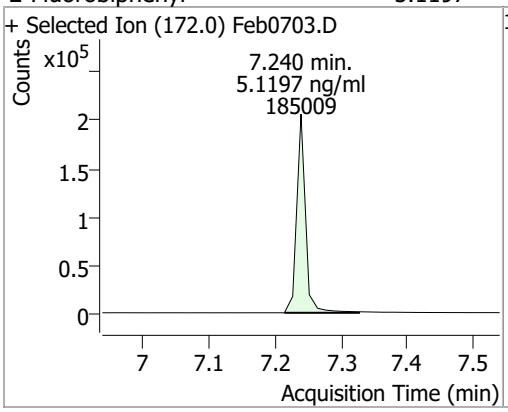
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	5.1448	6.88	-0.01	149256	142.0	116.6	77.7	144.2
					115.0	49.0	36.6	67.9

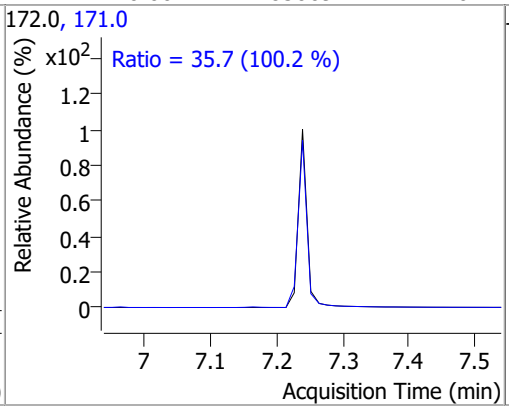


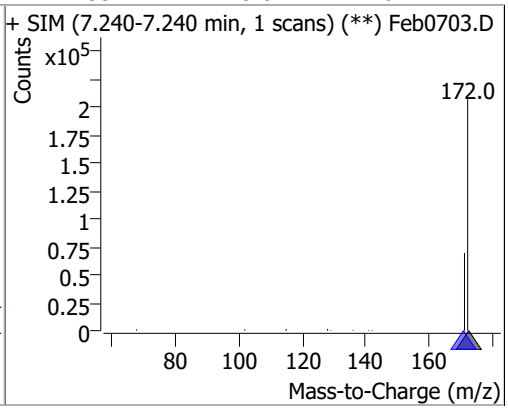




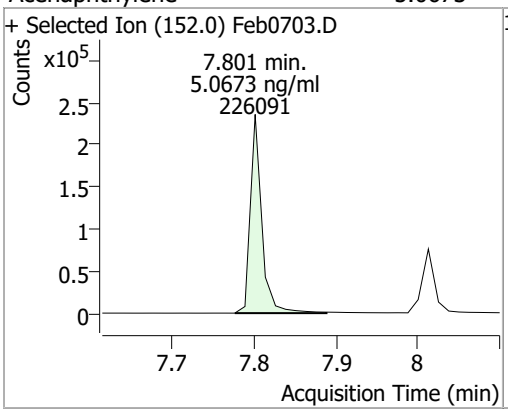
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	5.1197	7.24	0.00	185009	171.0	35.7	25.0	46.4

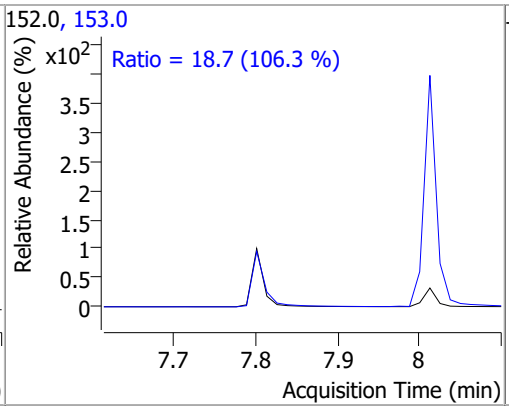


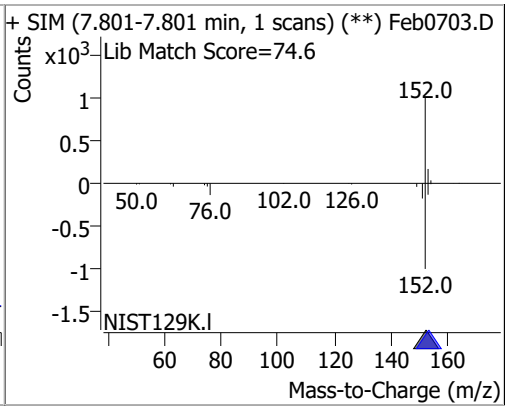




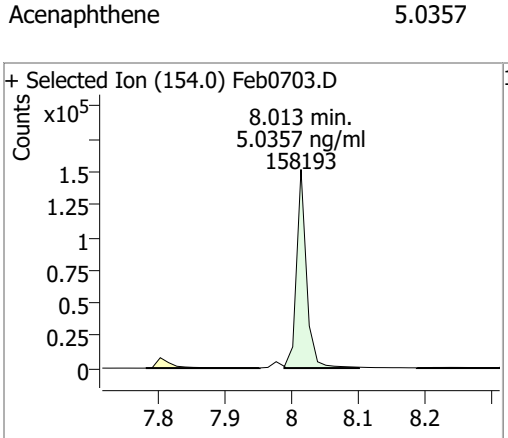
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	5.0673	7.80	0.00	226091	153.0	18.7	12.3	22.9

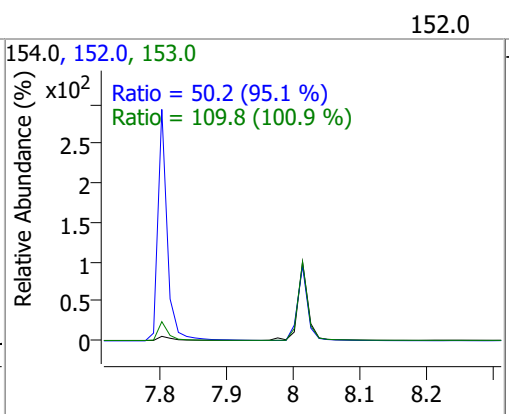


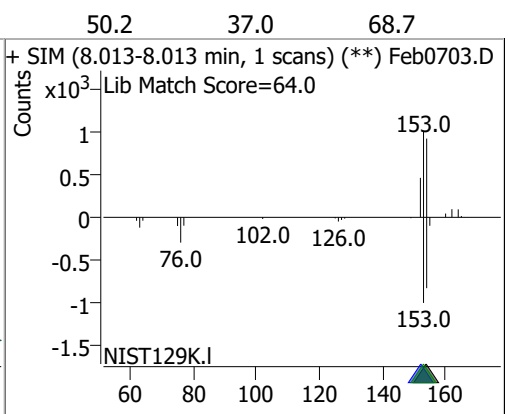




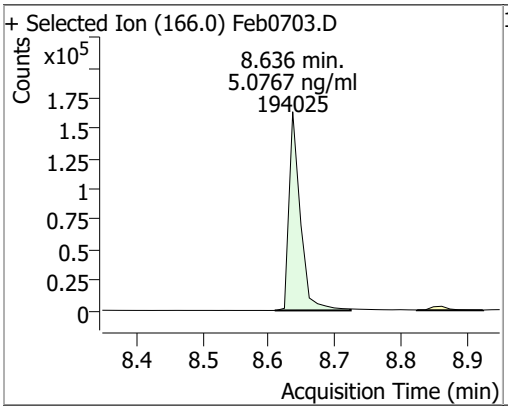
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	5.0357	8.01	0.00	158193	153.0	109.8	76.2	141.5
					152.0	50.2	37.0	68.7

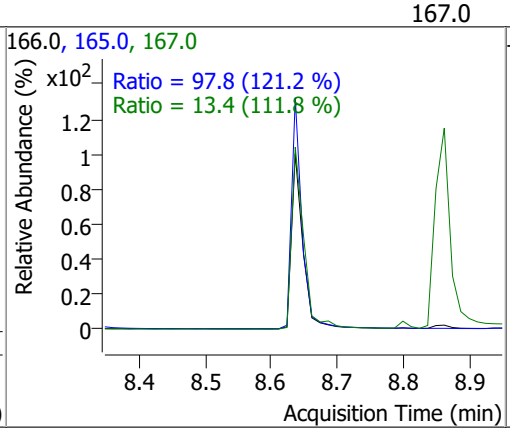


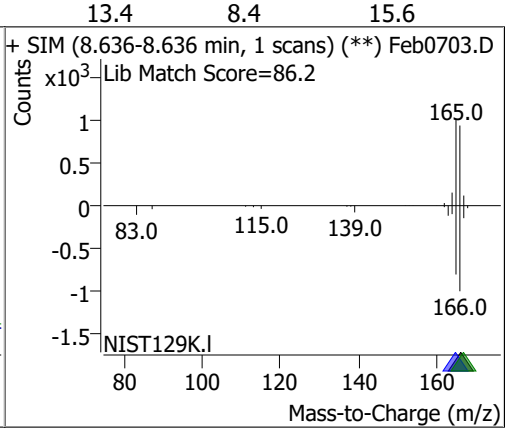




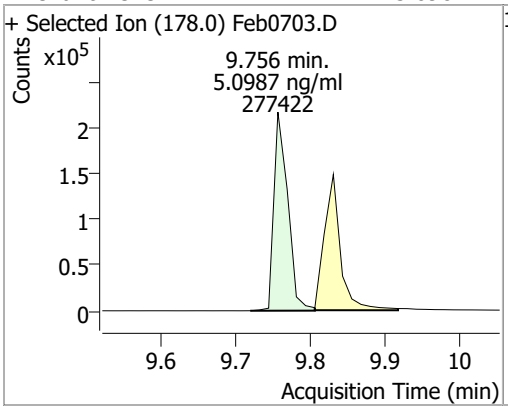
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	5.0767	8.64	-0.01	194025	165.0	97.8	56.5	104.9
					167.0	13.4	8.4	15.6

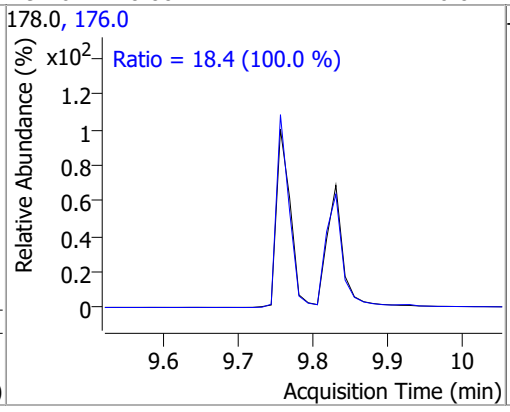


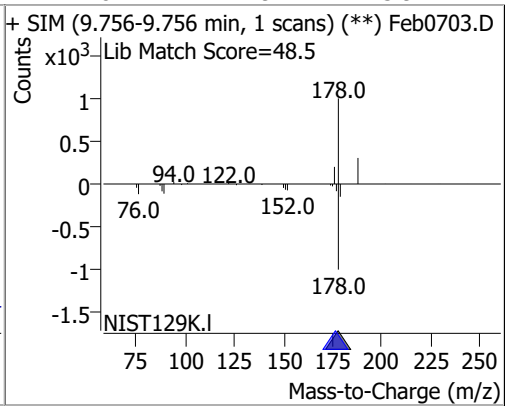




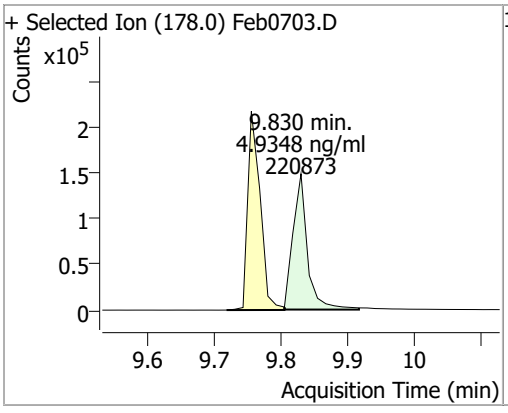
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	5.0987	9.76	0.00	277422	176.0	18.4	12.9	23.9

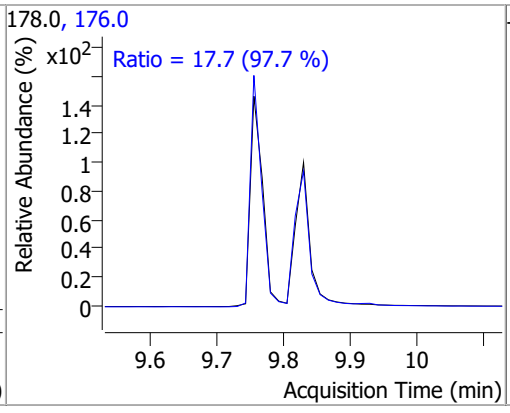


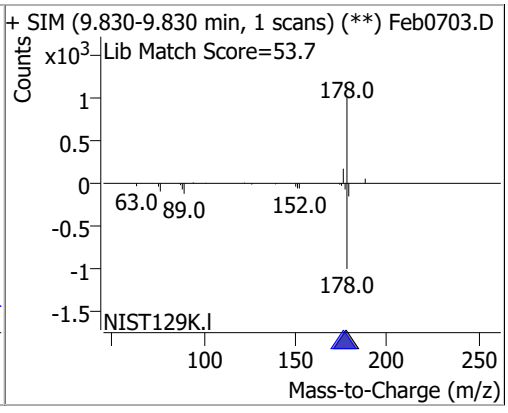




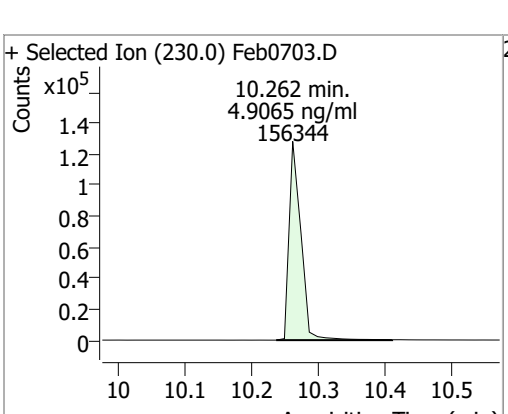
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	4.9348	9.83	0.00	220873	176.0	17.7	12.7	23.6

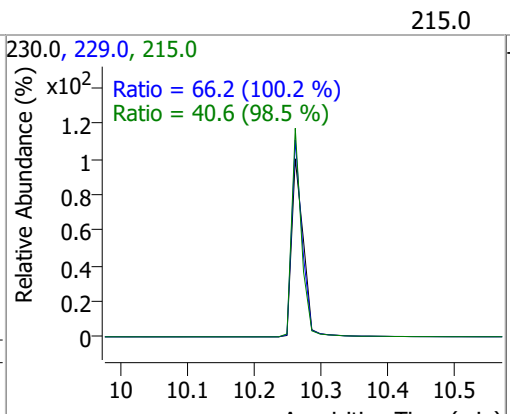


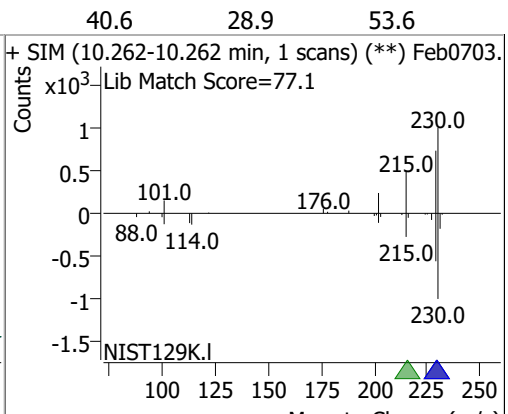




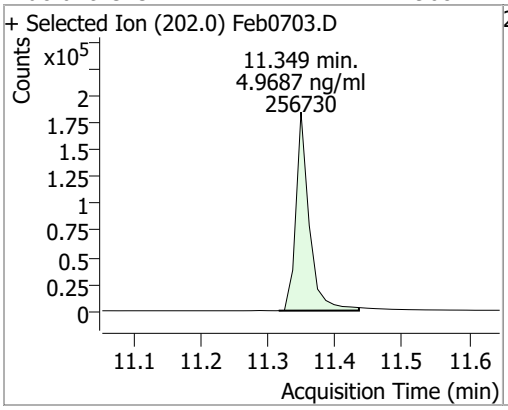
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.9065	10.26	-0.01	156344	229.0	66.2	46.3	85.9
					215.0	40.6	28.9	53.6

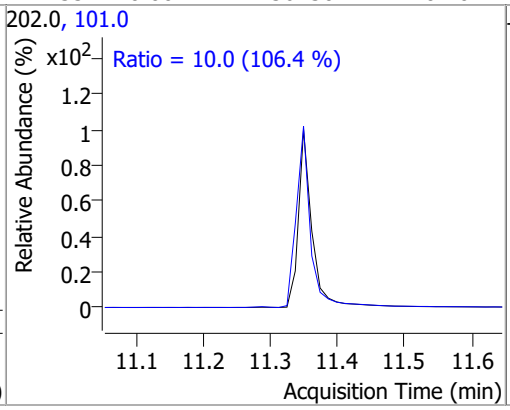


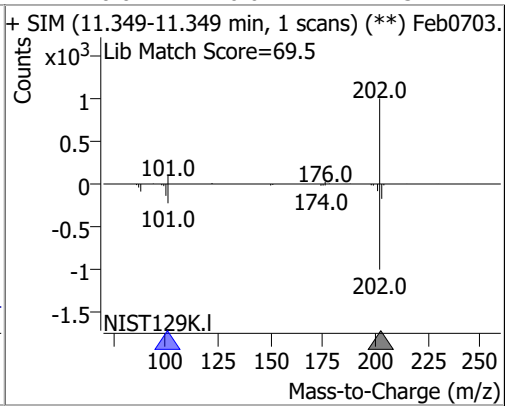




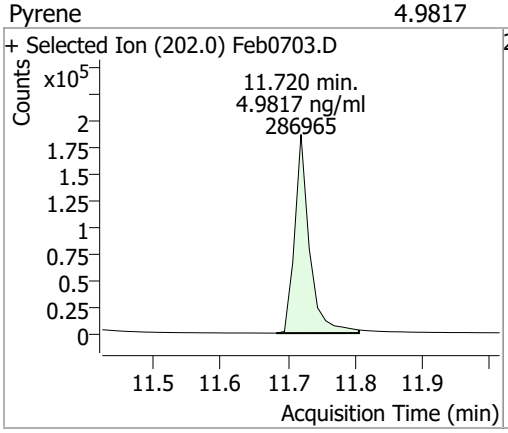
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	4.9687	11.35	0.00	256730	101.0	10.0	6.6	12.3

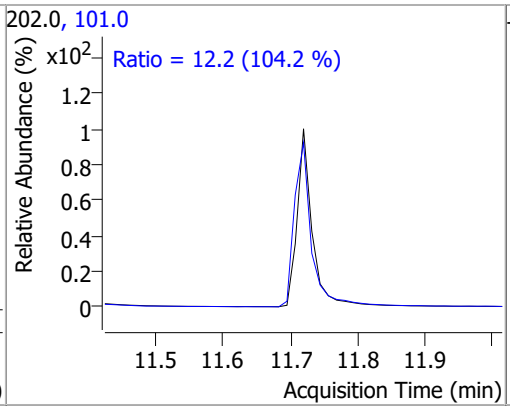


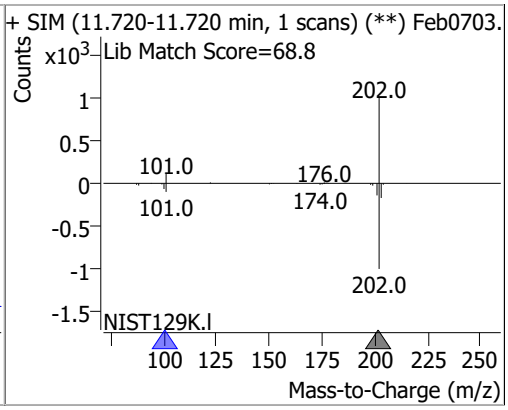




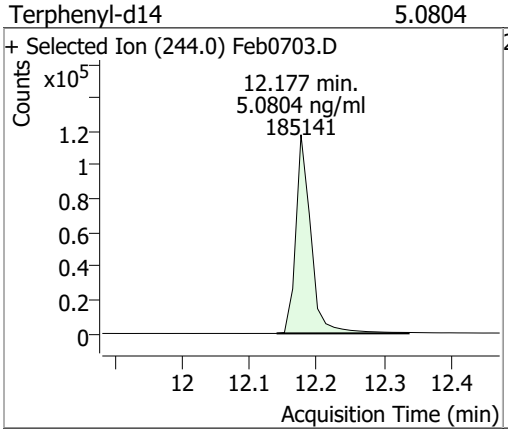
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	4.9817	11.72	0.00	286965	101.0	12.2	8.2	15.2

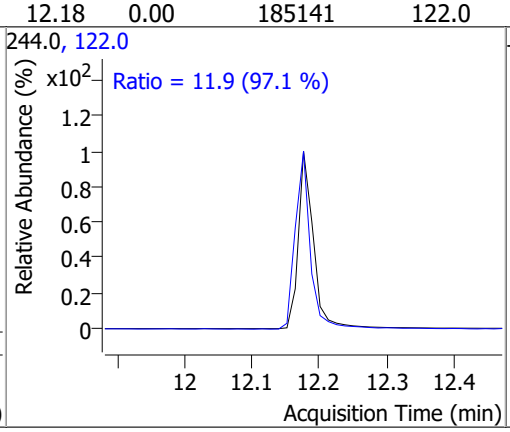


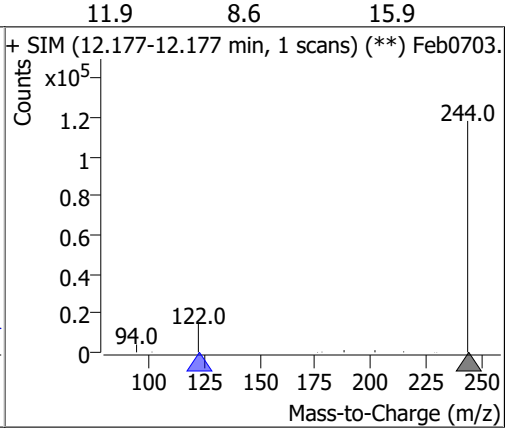




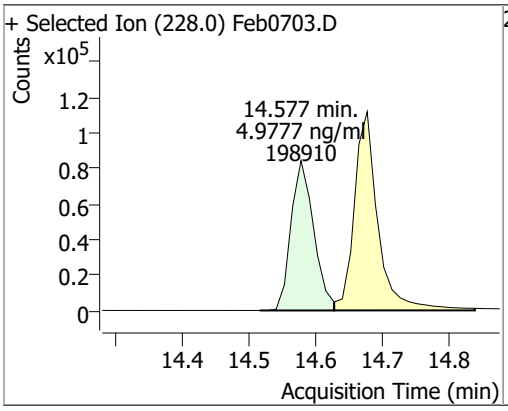
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	5.0804	12.18	0.00	185141	122.0	11.9	8.6	15.9

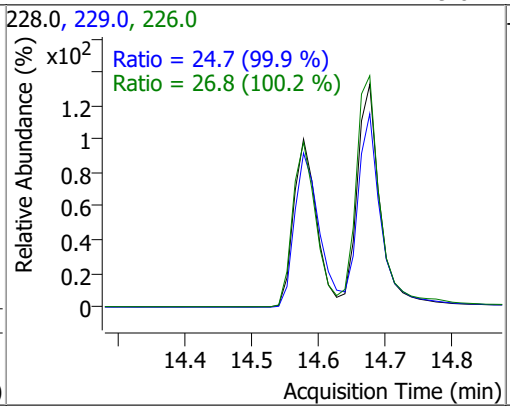


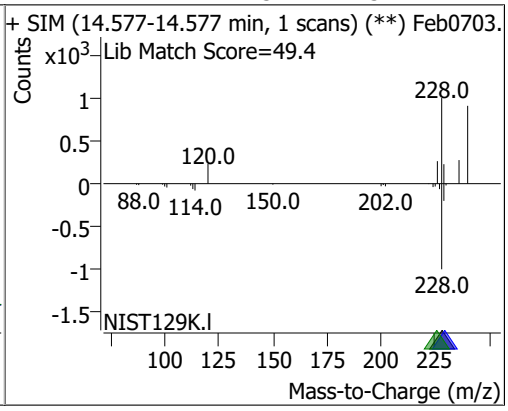




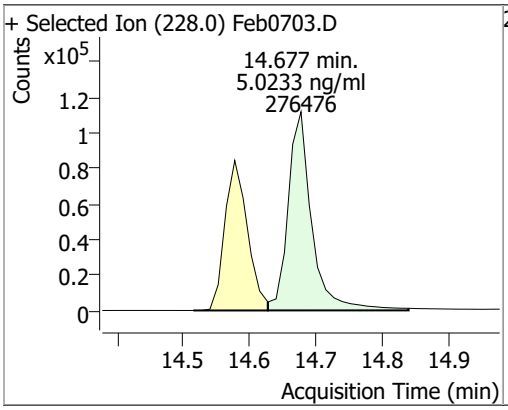
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	4.9777	14.58	0.00	198910	226.0	26.8	18.7	34.8
					229.0	24.7	17.3	32.1

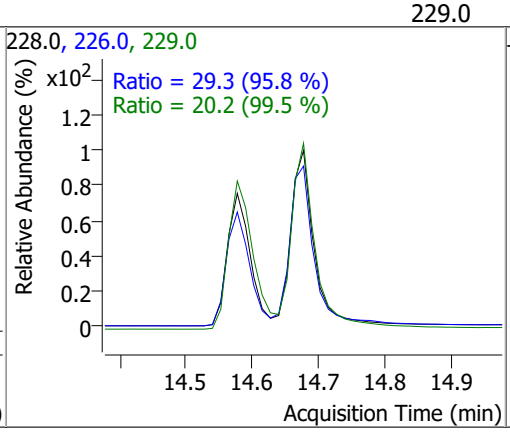


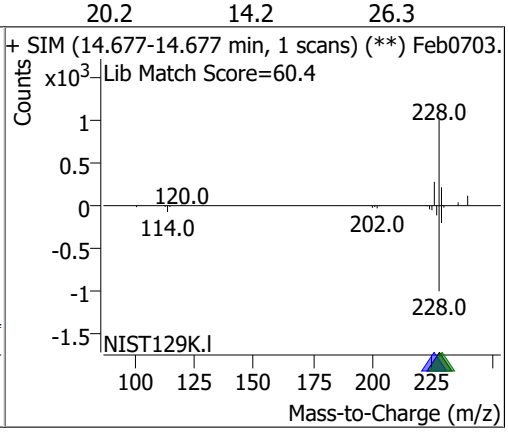




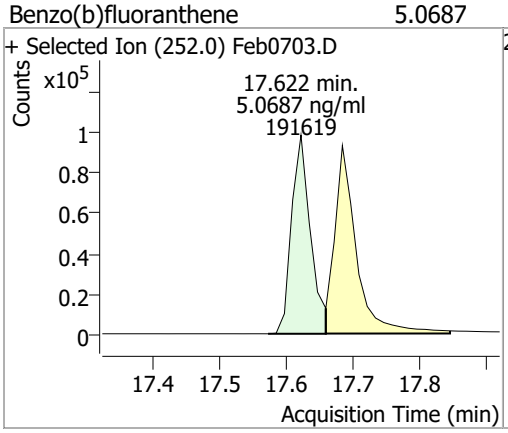
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	5.0233	14.68	0.00	276476	226.0	29.3	21.4	39.7
					229.0	20.2	14.2	26.3

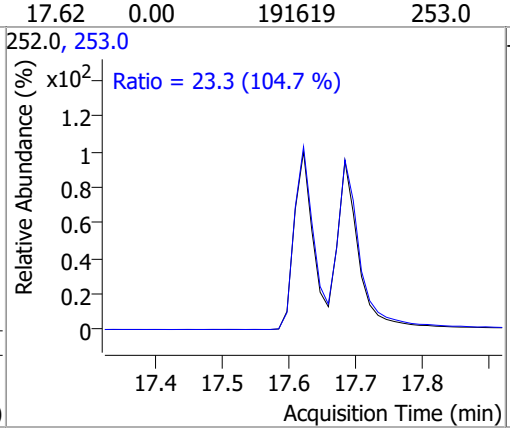


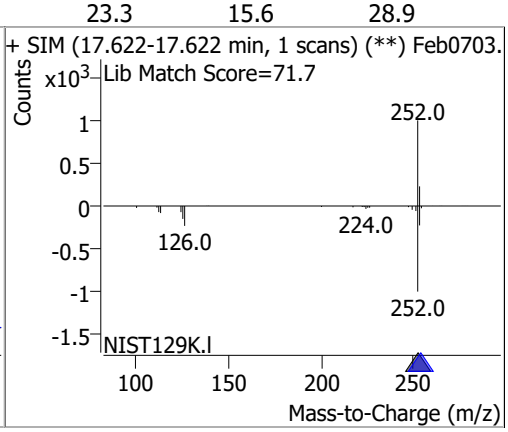




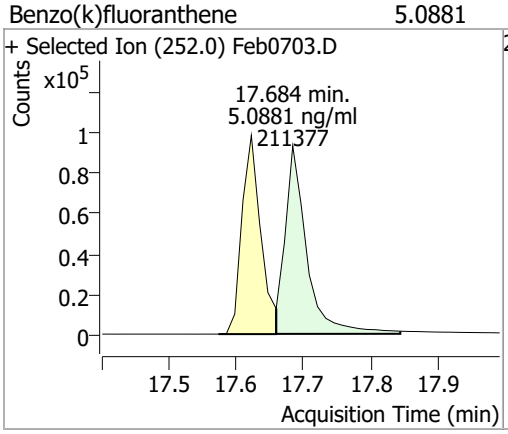
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	5.0687	17.62	0.00	191619	253.0	23.3	15.6	28.9

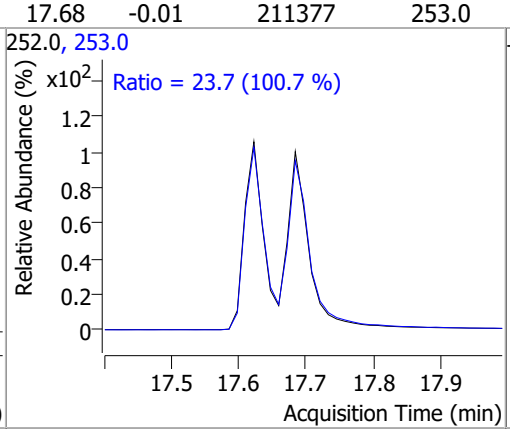


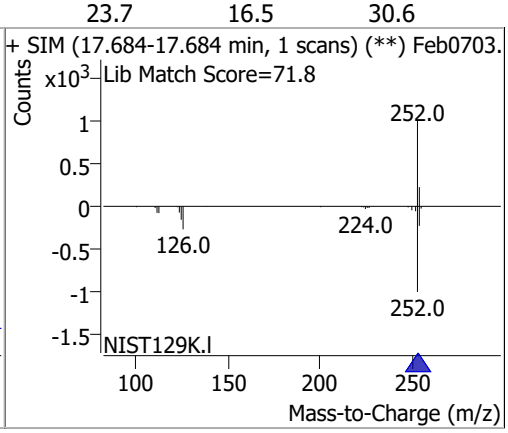




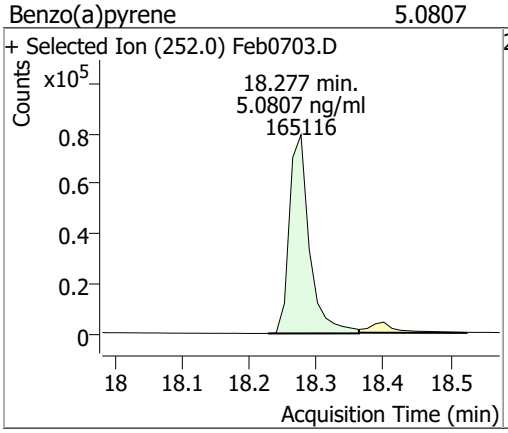
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	5.0881	17.68	-0.01	211377	253.0	23.7	16.5	30.6

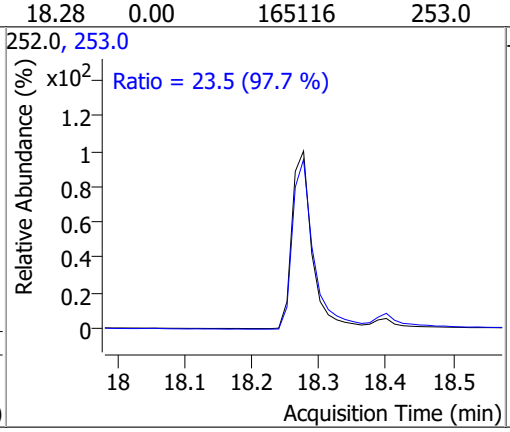


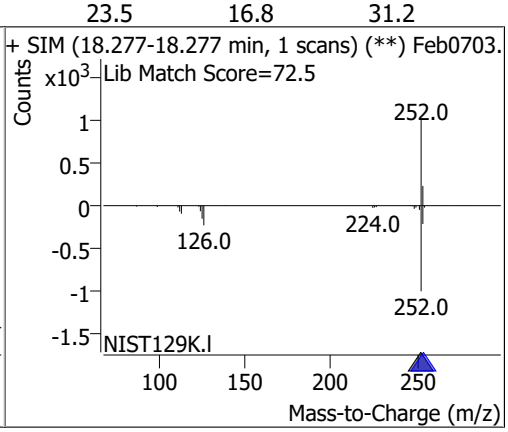




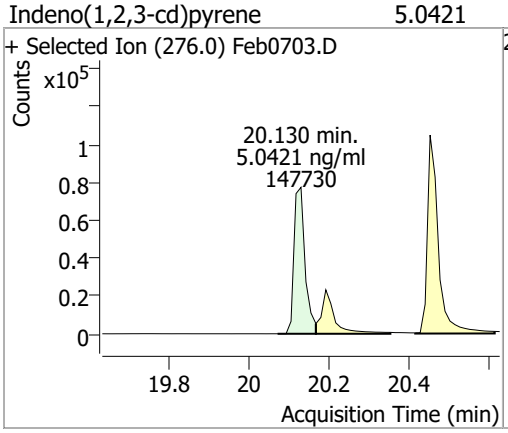
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	5.0807	18.28	0.00	165116	253.0	23.5	16.8	31.2

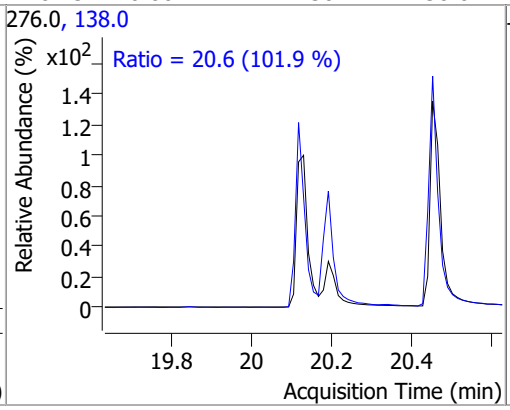


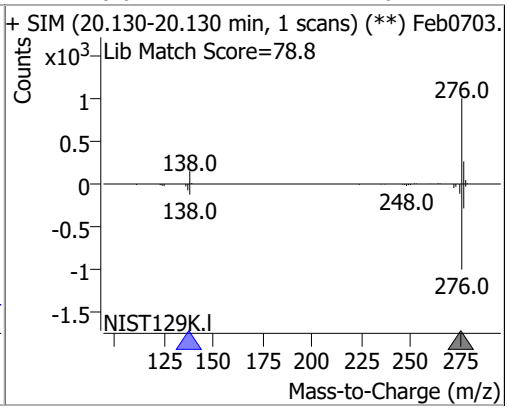




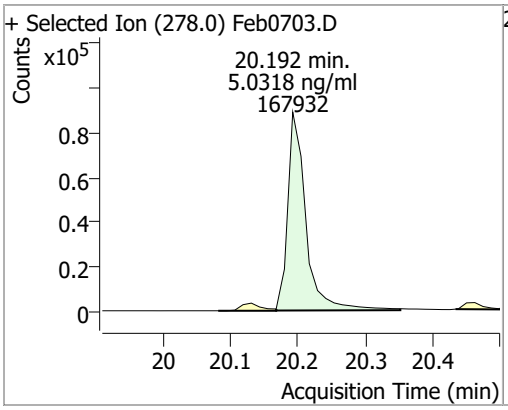
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	5.0421	20.13	0.00	147730	138.0	20.6	14.1	26.2

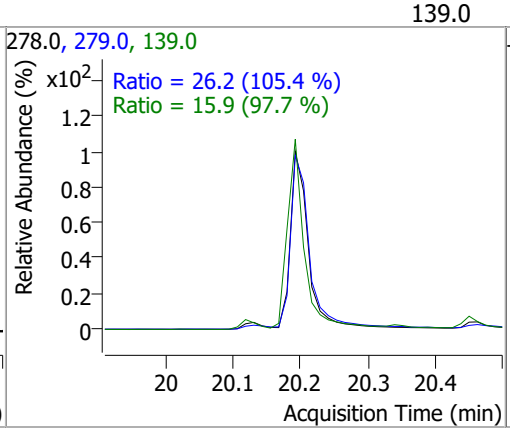


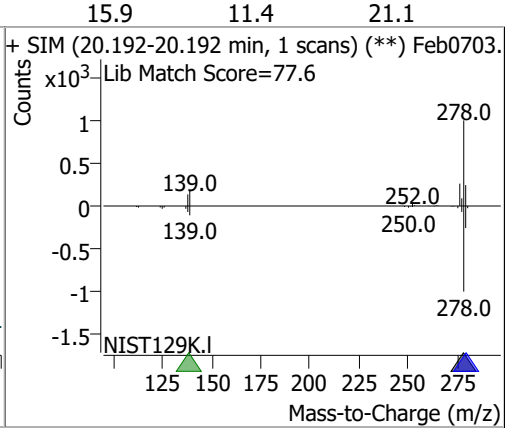




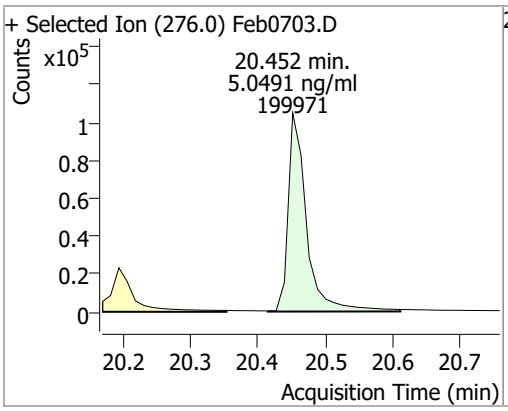
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	5.0318	20.19	-0.01	167932	279.0	26.2	17.4	32.4
					139.0	15.9	11.4	21.1

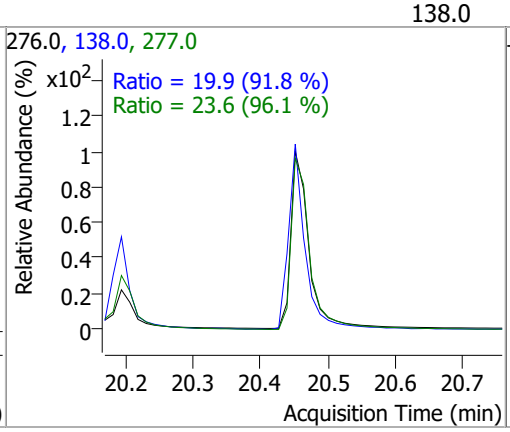


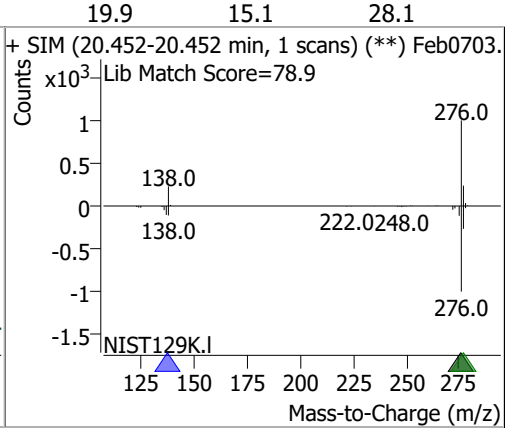




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	5.0491	20.45	-0.01	199971	277.0	23.6	17.2	31.9
					138.0	19.9	15.1	28.1

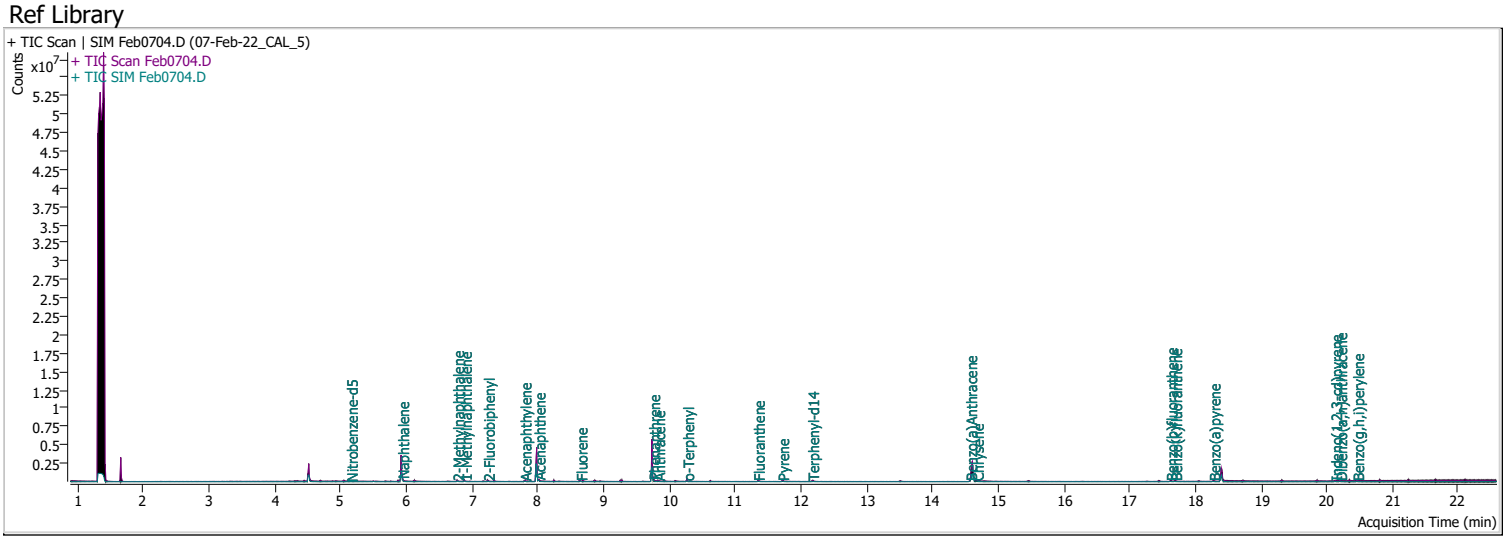






Quantitation Results Report (QT Reviewed)

Data File	Feb0704.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 4:46:39 PM
Sample Name	07-Feb-22_CAL_5	Instrument	GCMS
Vial	4	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

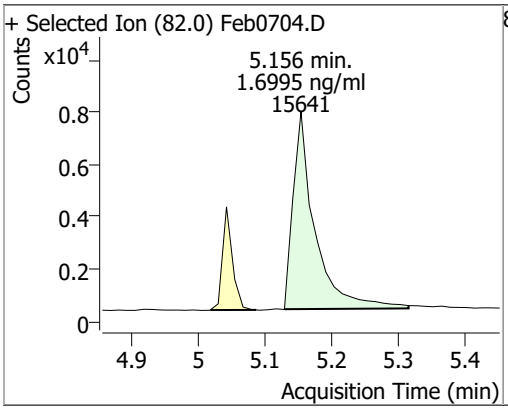


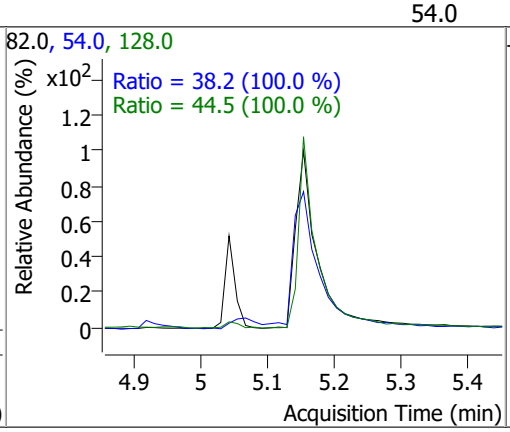
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	461660	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1672073	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.976	164.0	1119297	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.731	188.0	2036232	40.0000	ng/ml		0.000
M Chrysene-d12	14.614	240.0	1667940	40.0000	ng/ml		0.000
M Perylene-d12	18.401	264.0	1019908	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.156	82.0	15641	1.6995	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 33.99%			
S 2-Fluorobiphenyl	7.240	172.0	70427	1.9954	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 39.91%			
S o-Terphenyl	10.274	230.0	58192	1.9367	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 38.73%		*	
S Terphenyl-d14	12.177	244.0	67591	1.9211	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 38.42%		*	
Target Compounds							**QValue**
T Naphthalene	5.941	128.0	88651	1.9641	ng/ml		100
T 2-Methylnaphthalene	6.777	141.0	53447	1.9578	ng/ml		100
T 1-Methylnaphthalene	6.890	141.0	54212	1.8552	ng/ml		100
T Acenaphthylene	7.801	152.0	83470	1.9453	ng/ml		100
T Acenaphthene	8.013	154.0	61667	1.9755	ng/ml		100
T Fluorene	8.649	166.0	69553	1.8922	ng/ml		100
T Phenanthrene	9.756	178.0	101077	1.9001	ng/ml		100
T Anthracene	9.830	178.0	81750	1.9409	ng/ml		100
T Fluoranthene	11.349	202.0	100618	2.0152	ng/ml		100
T Pyrene	11.720	202.0	111845	1.9955	ng/ml		100
T Benzo(a)Anthracene	14.577	228.0	77029	1.9318	ng/ml		100
T Chrysene	14.677	228.0	102815	1.8940	ng/ml		100
T Benzo(b)fluoranthene	17.622	252.0	65972	1.8864	ng/ml		100

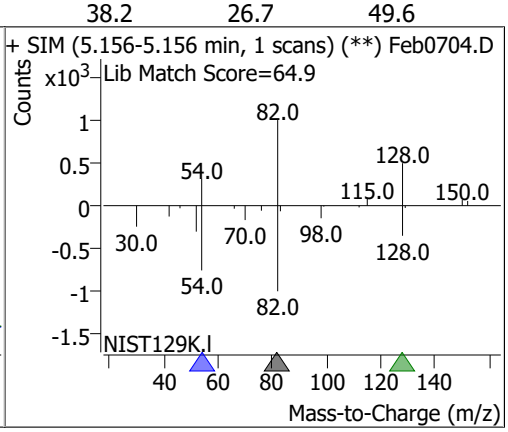
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.696	252.0	74874	1.8501	ng/ml	100
T Benzo(a)pyrene	18.277	252.0	58672	1.9113	ng/ml	100
T Indeno(1,2,3-cd)pyrene	20.130	276.0	53642	1.9653	ng/ml	100
T Dibenzo(a,h)anthracene	20.204	278.0	58803	1.8913	ng/ml	100
T Benzo(g,h,i)perylene	20.464	276.0	69957	1.8626	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

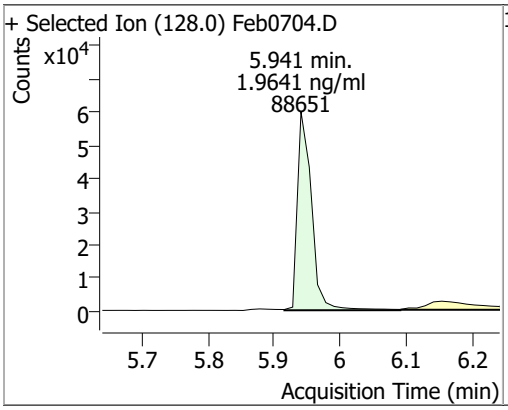
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	1.6995	5.16	0.00	15641	128.0	44.5	31.2	57.9
					54.0	38.2	26.7	49.6

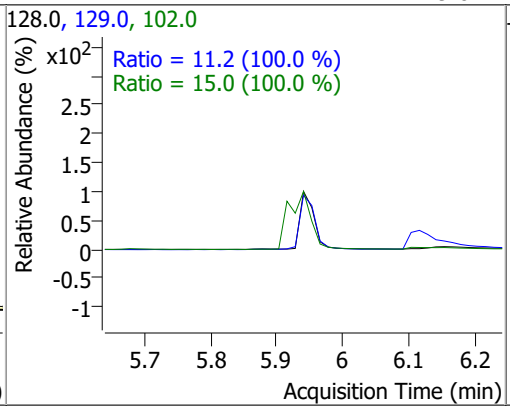


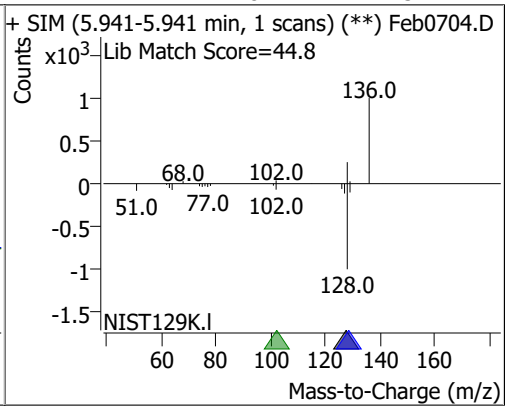




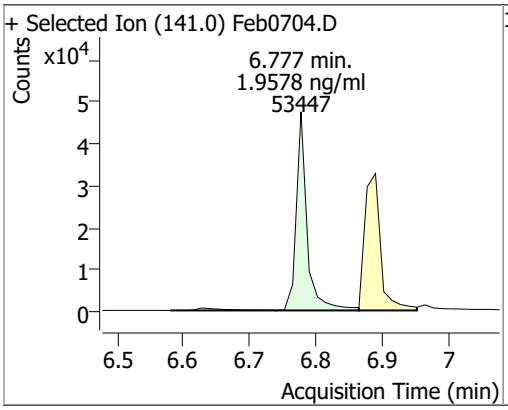
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	1.9641	5.94	0.00	88651	102.0	15.0	0.0	45.0
					129.0	11.2	7.8	14.5

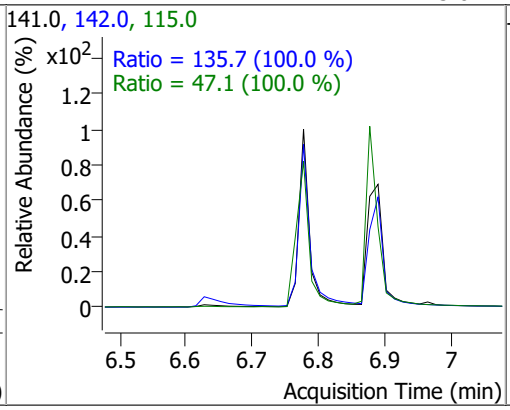


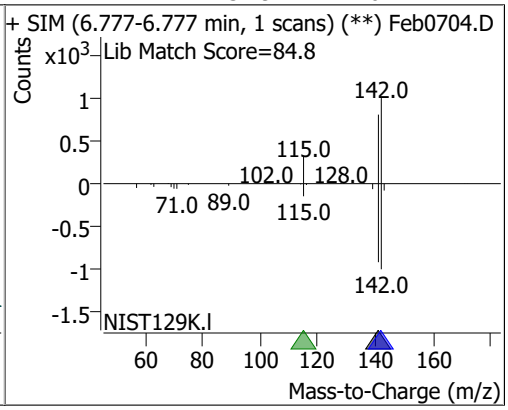




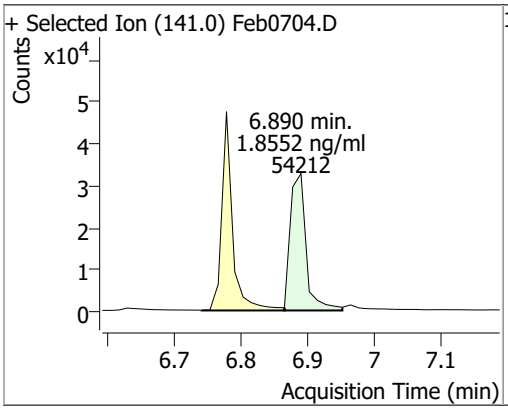
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	1.9578	6.78	0.00	53447	142.0	135.7	95.0	176.4
					115.0	47.1	32.9	61.2

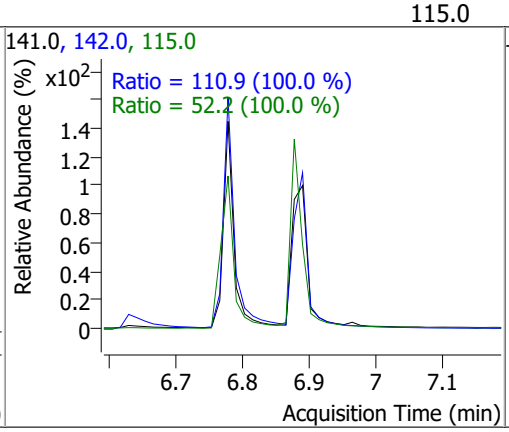


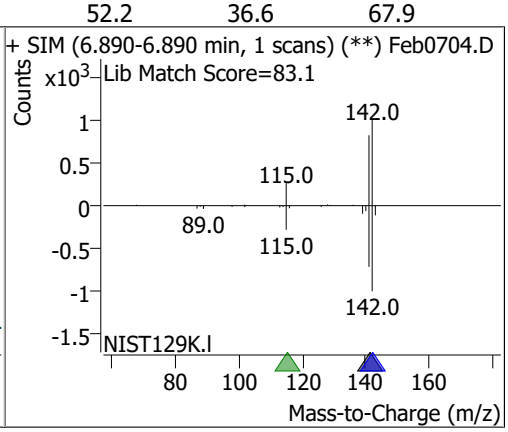




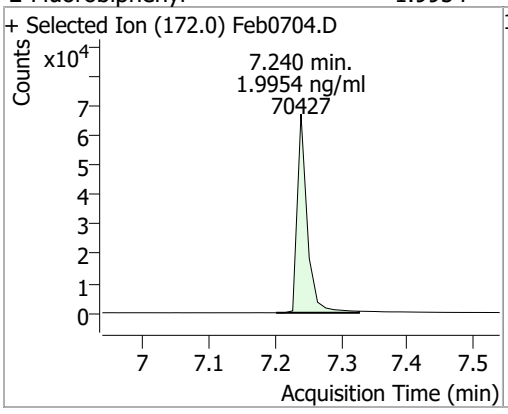
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	1.8552	6.89	0.00	54212	142.0	110.9	77.7	144.2
					115.0	52.2	36.6	67.9

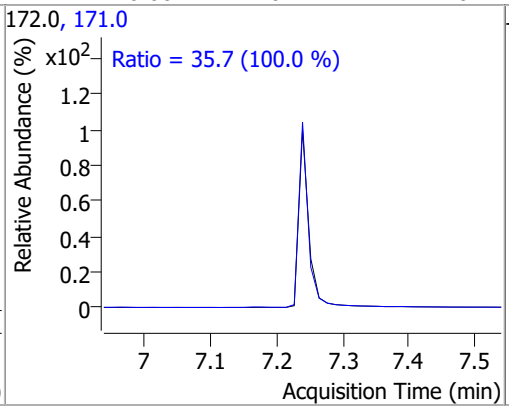


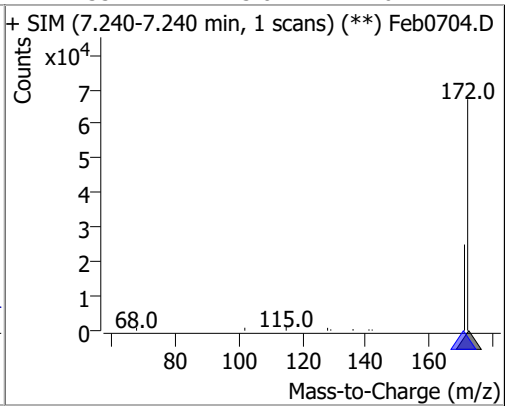




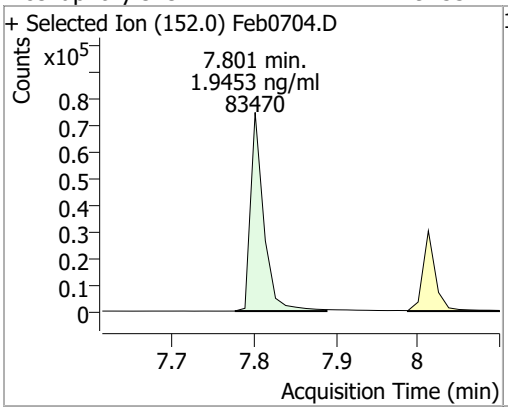
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	1.9954	7.24	0.00	70427	171.0	35.7	25.0	46.4

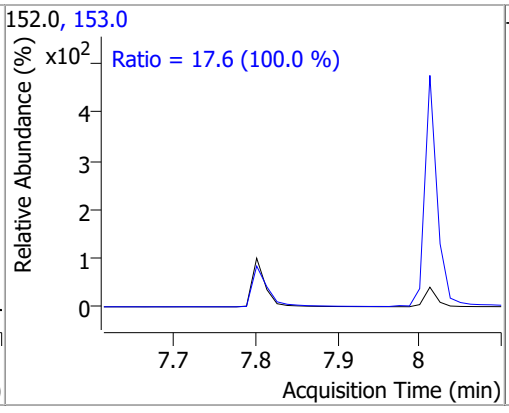


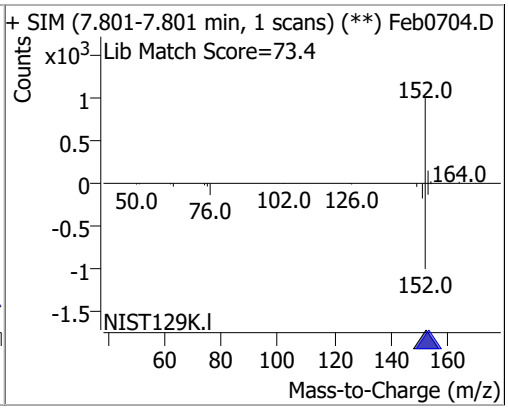




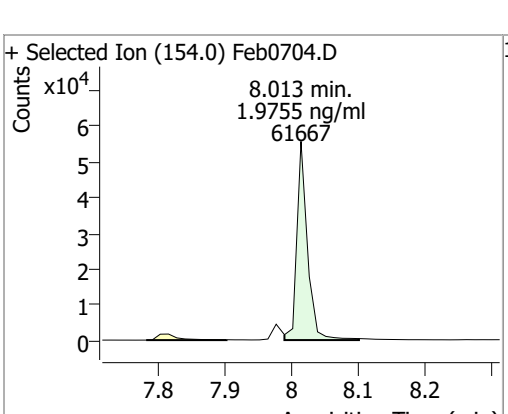
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	1.9453	7.80	0.00	83470	153.0	17.6	12.3	22.9

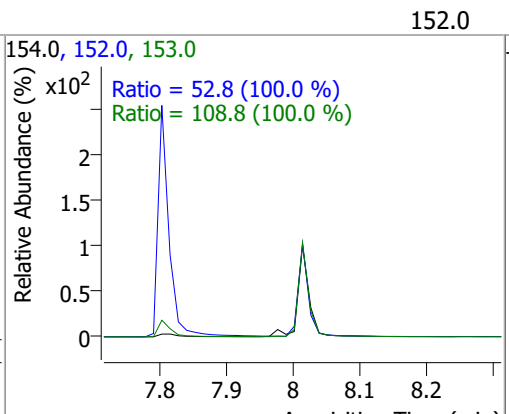


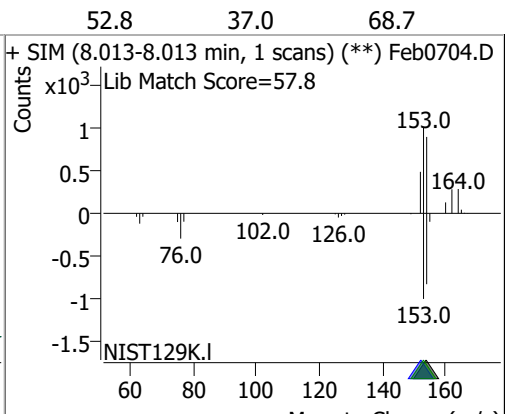




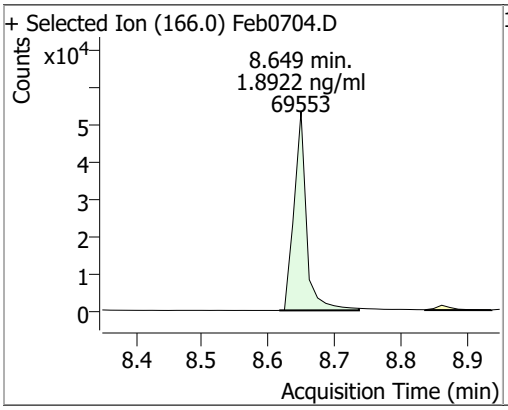
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	1.9755	8.01	0.00	61667	153.0	108.8	76.2	141.5
					152.0	52.8	37.0	68.7

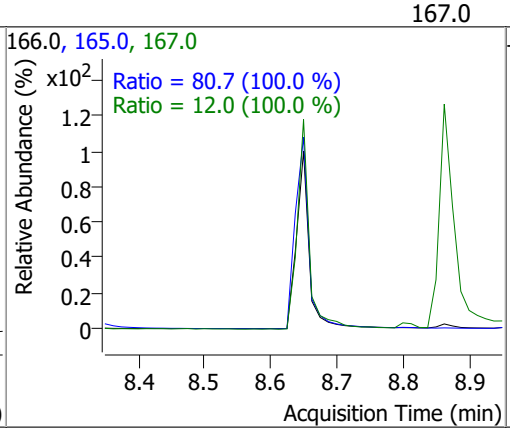


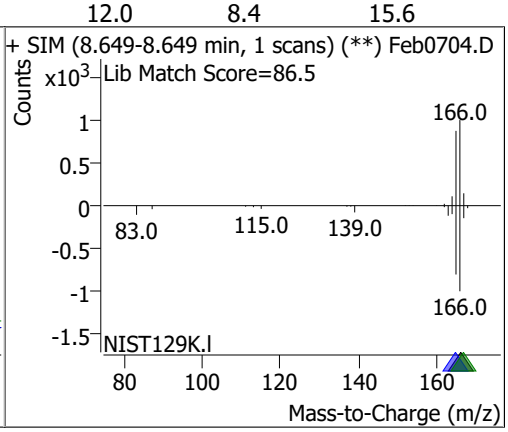




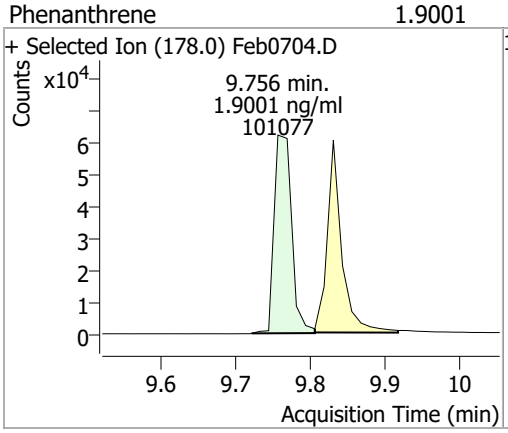
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	1.8922	8.65	0.00	69553	165.0	80.7	56.5	104.9
					167.0	12.0	8.4	15.6

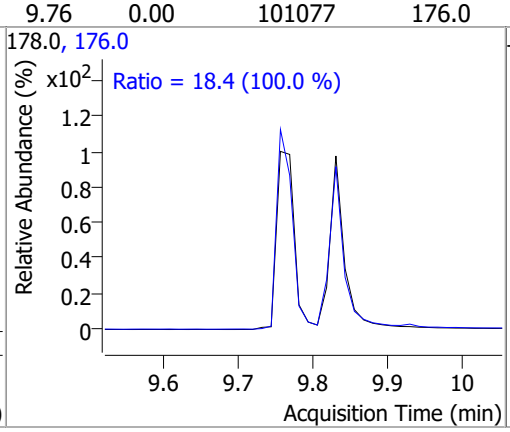


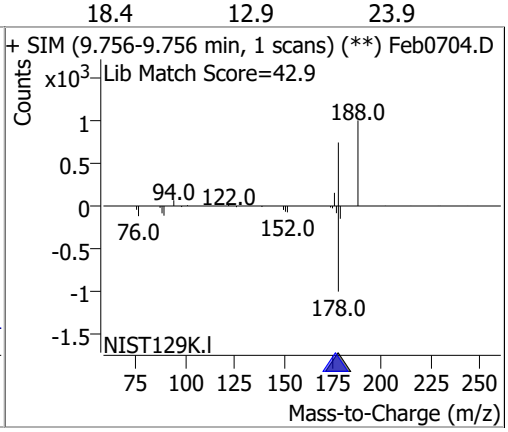




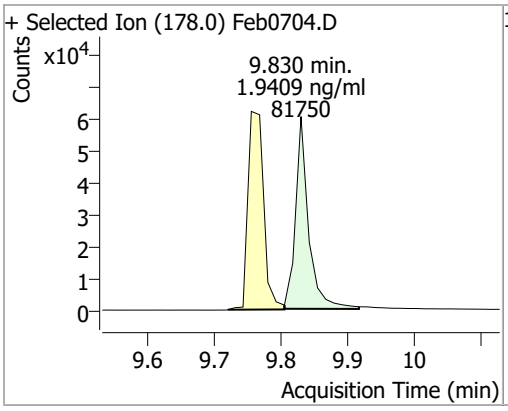
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	1.9001	9.76	0.00	101077	176.0	18.4	12.9	23.9

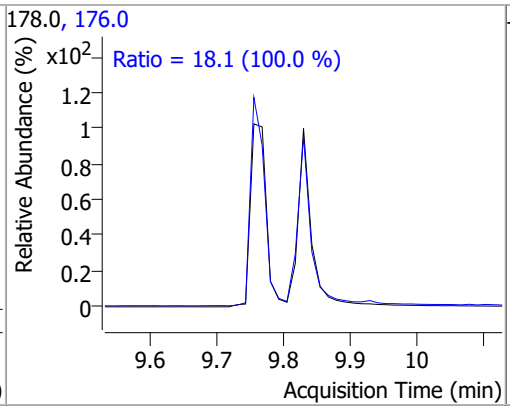


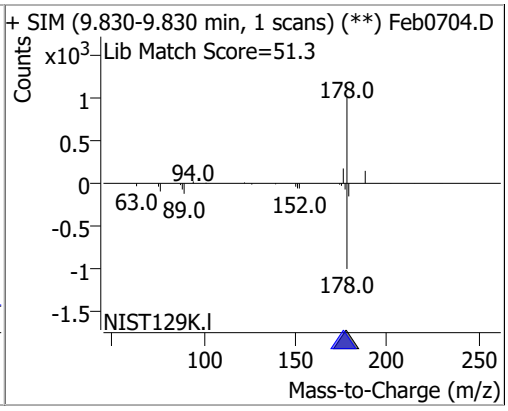




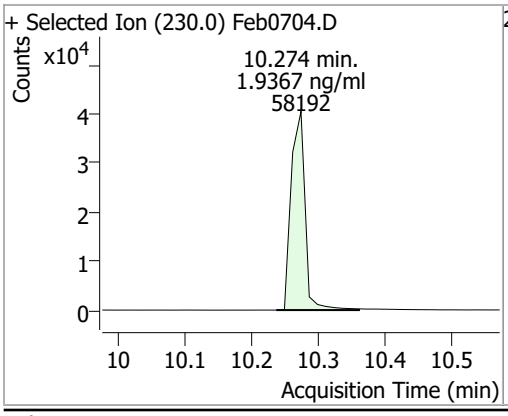
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	1.9409	9.83	0.00	81750	176.0	18.1	12.7	23.6

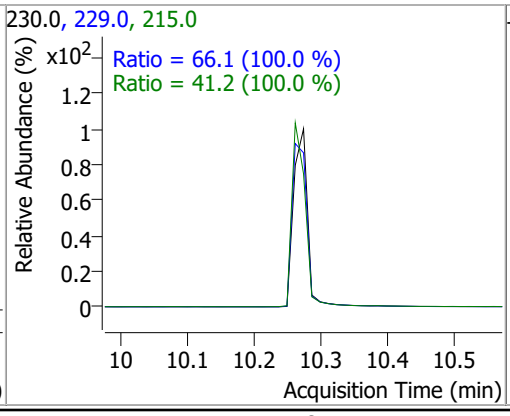


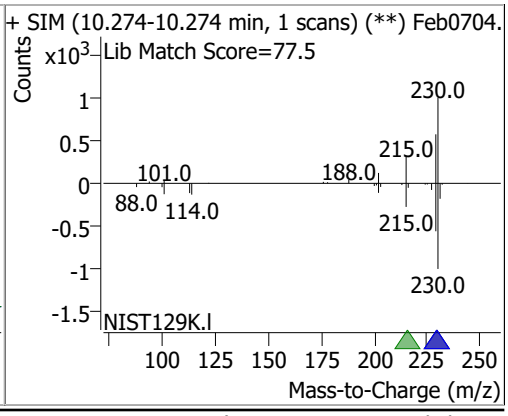




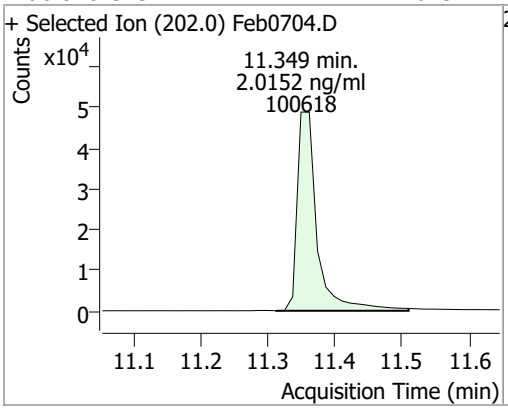
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	1.9367	10.27	0.00	58192	229.0	66.1	46.3	85.9
					215.0	41.2	28.9	53.6

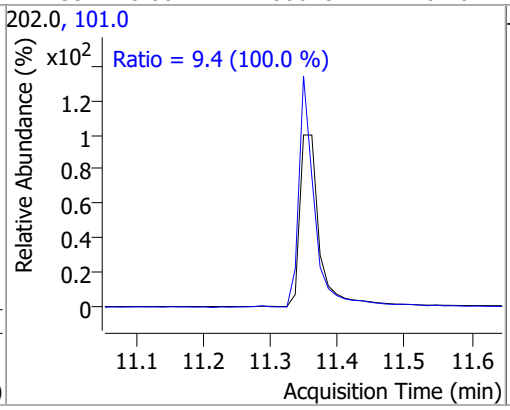


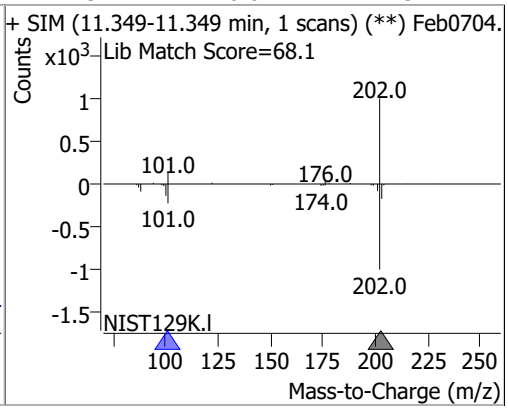




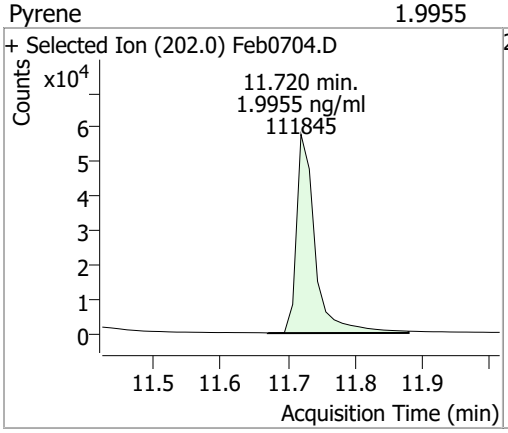
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	2.0152	11.35	0.00	100618	101.0	9.4	6.6	12.3

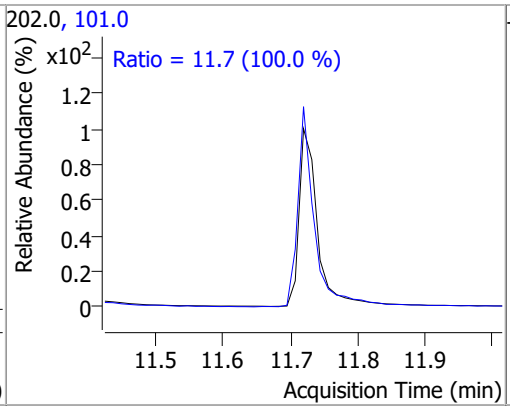


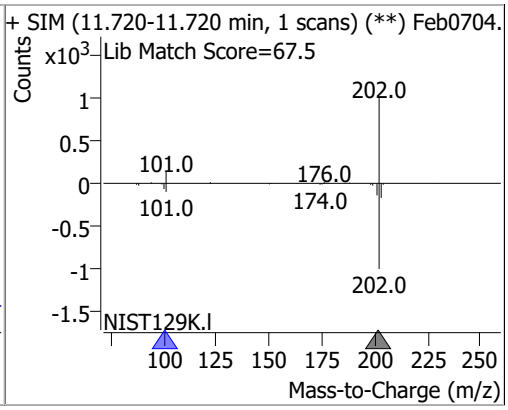




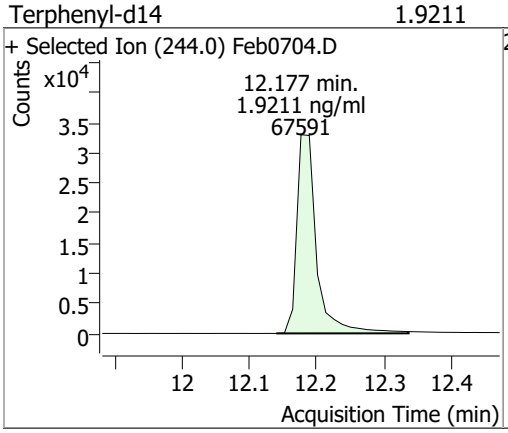
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	1.9955	11.72	0.00	111845	101.0	11.7	8.2	15.2

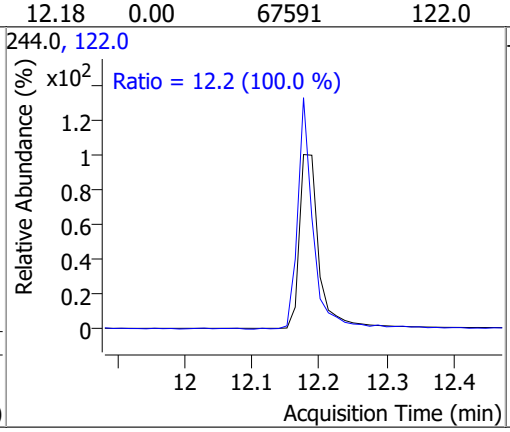


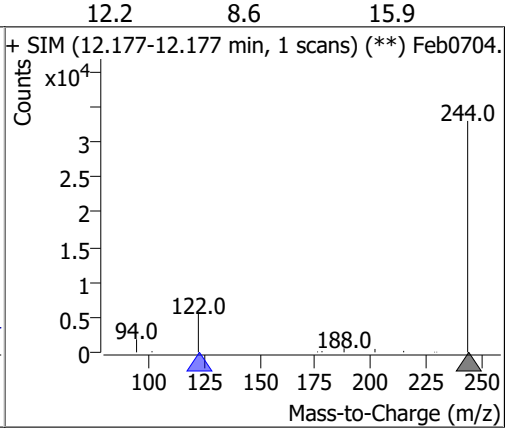




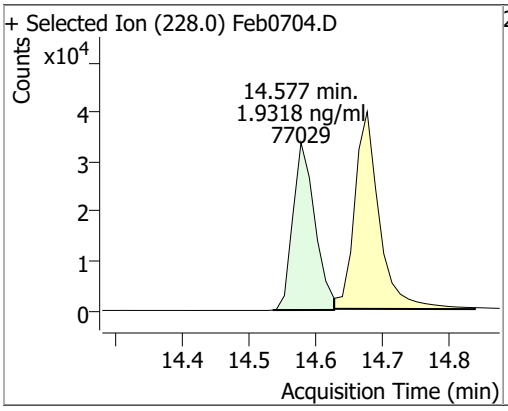
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	1.9211	12.18	0.00	67591	122.0	12.2	8.6	15.9

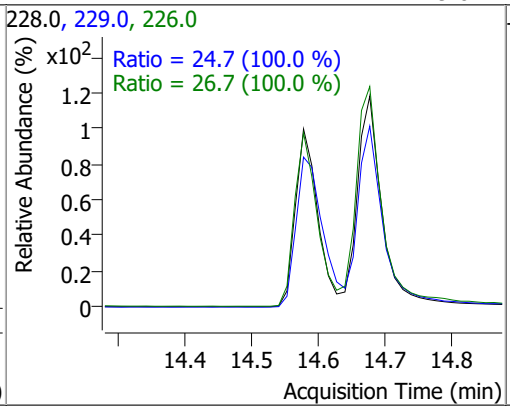


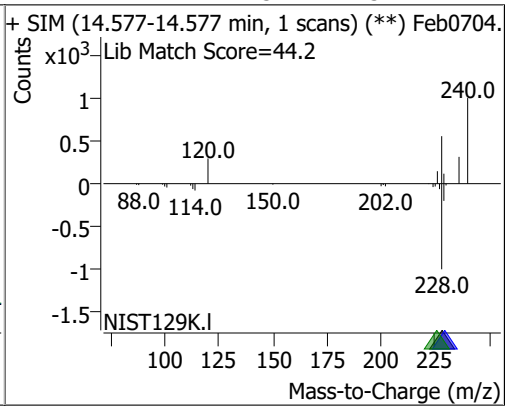




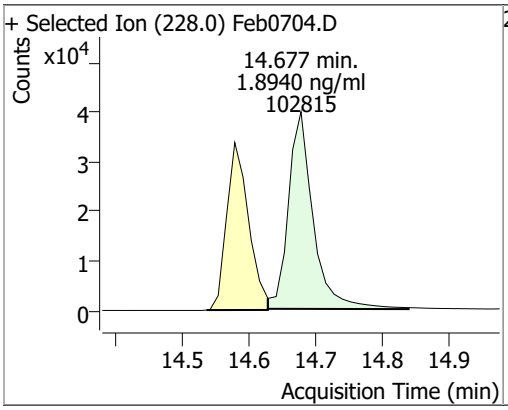
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	1.9318	14.58	0.00	77029	226.0	26.7	18.7	34.8
					229.0	24.7	17.3	32.1

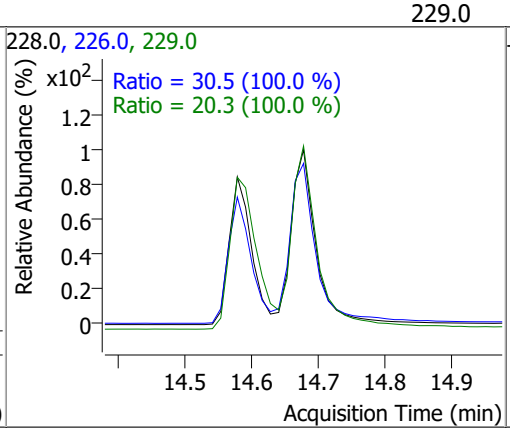


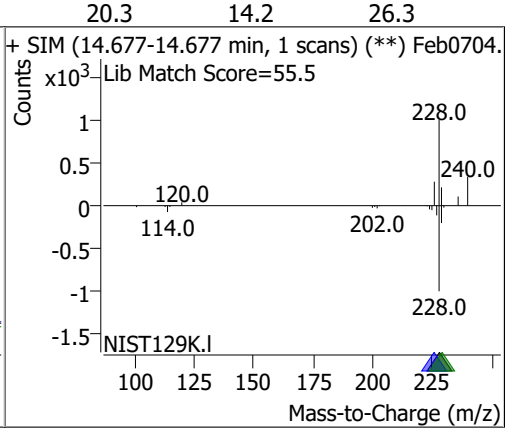




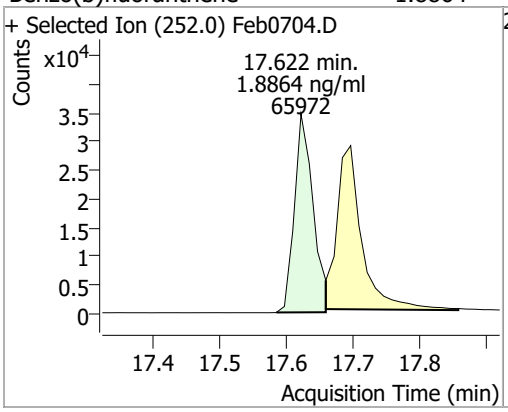
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	1.8940	14.68	0.00	102815	226.0	30.5	21.4	39.7
					229.0	20.3	14.2	26.3

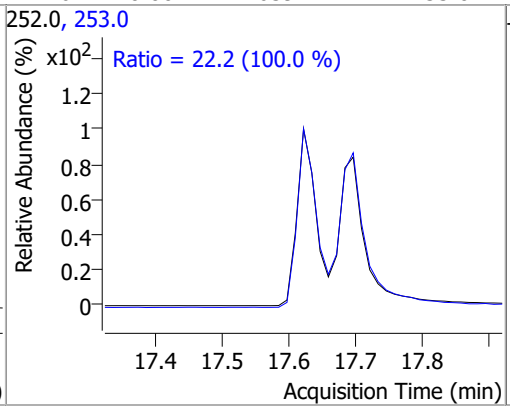


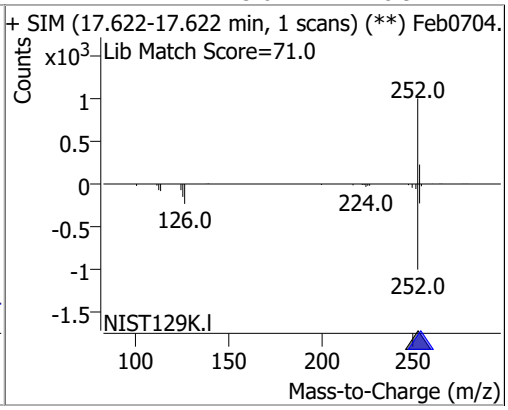




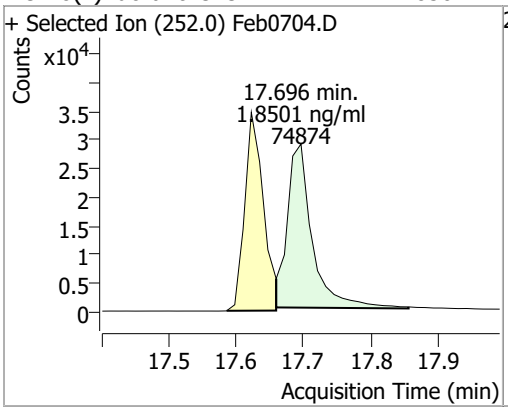
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	1.8864	17.62	0.00	65972	253.0	22.2	15.6	28.9

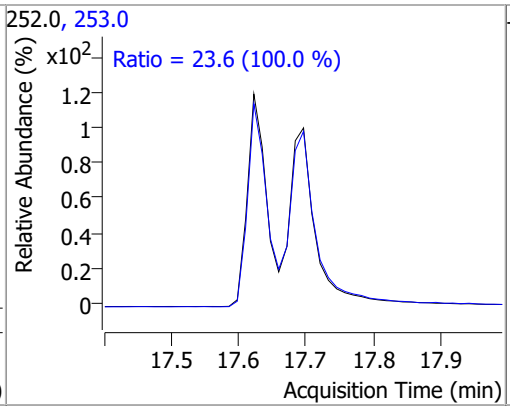


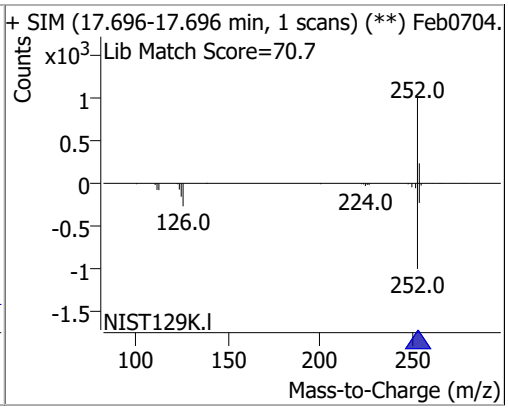




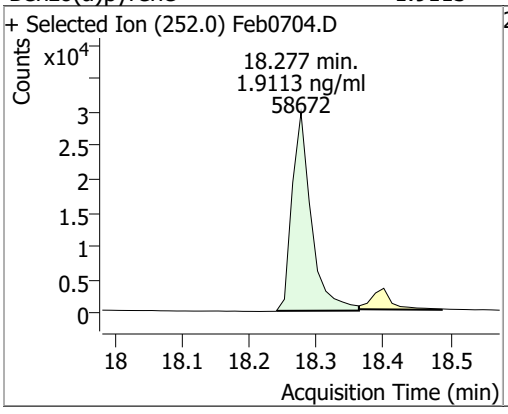
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	1.8501	17.70	0.00	74874	253.0	23.6	16.5	30.6

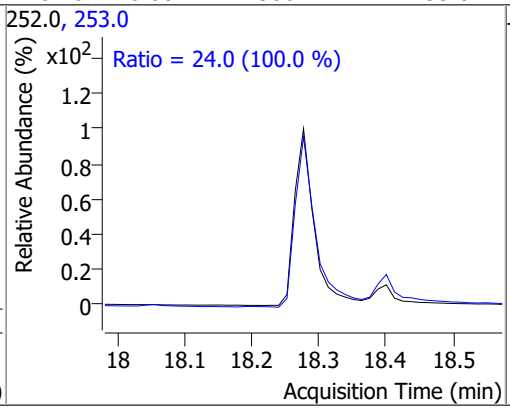


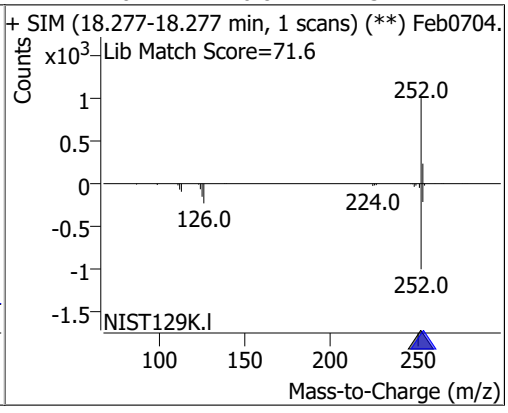




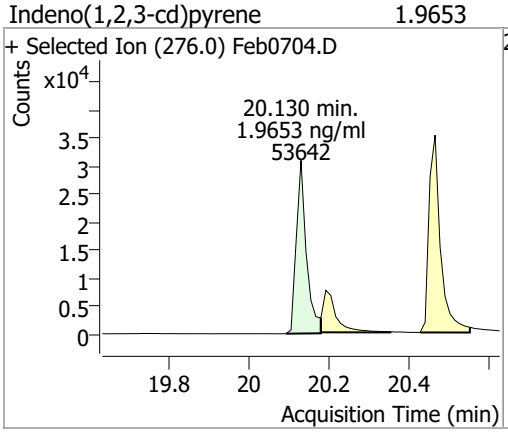
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	1.9113	18.28	0.00	58672	253.0	24.0	16.8	31.2

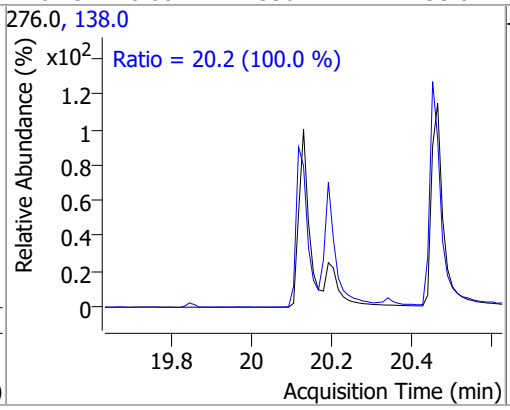


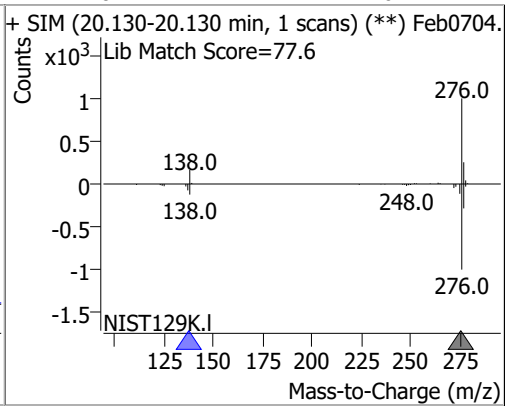




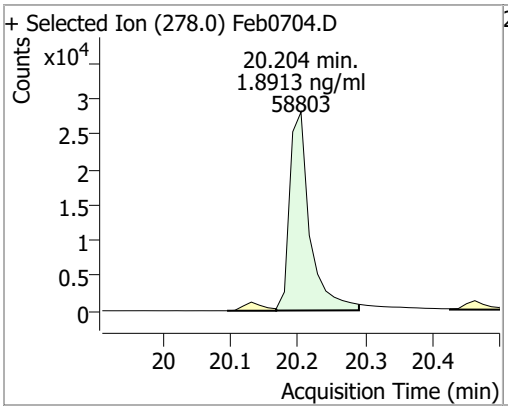
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	1.9653	20.13	0.00	53642	138.0	20.2	14.1	26.2

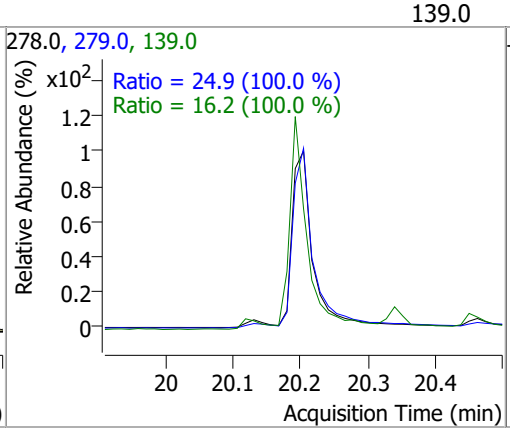


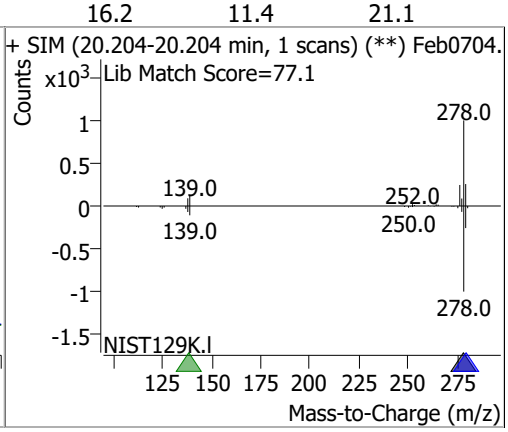




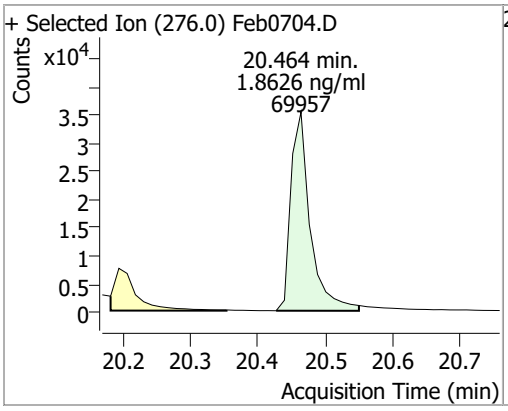
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	1.8913	20.20	0.00	58803	279.0	24.9	17.4	32.4
					139.0	16.2	11.4	21.1

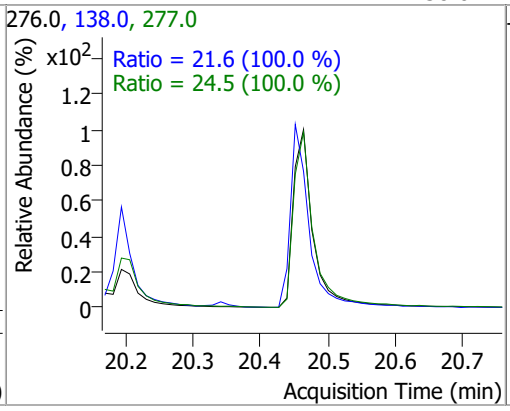


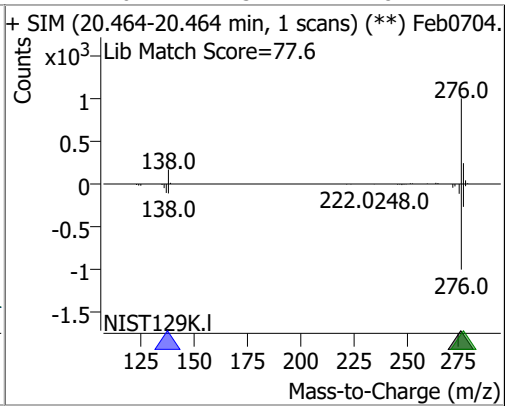




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	1.8626	20.46	0.00	69957	277.0	24.5	17.2	31.9
					138.0	21.6	15.1	28.1

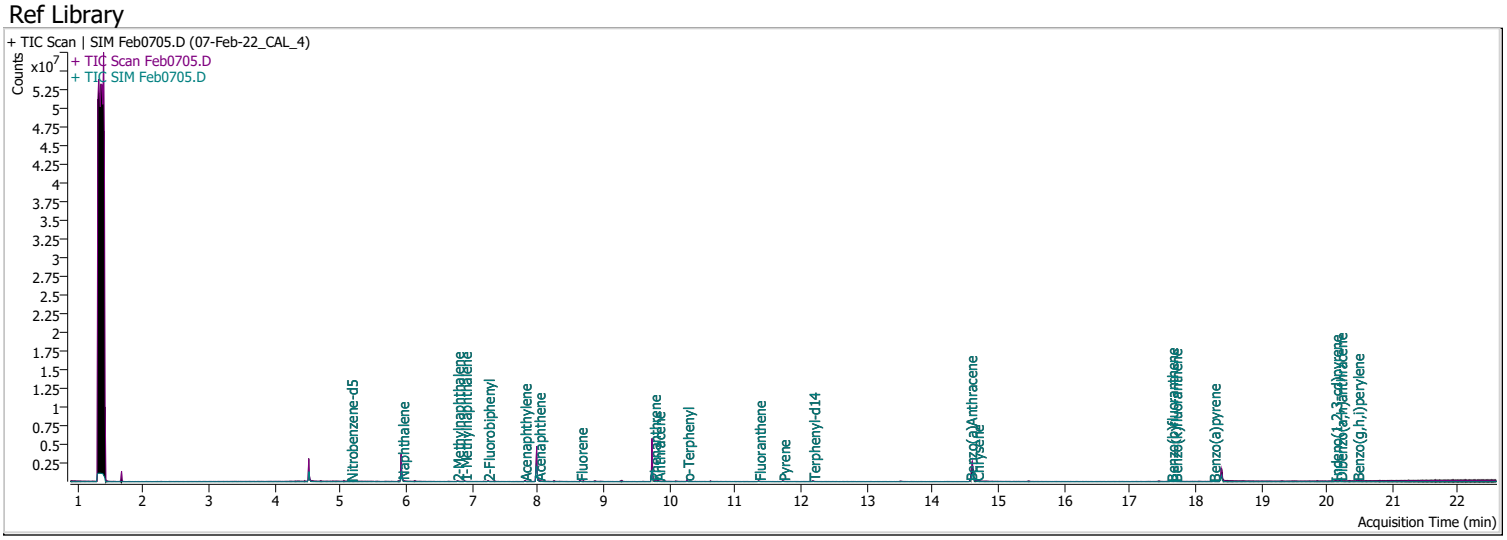






Quantitation Results Report (QT Reviewed)

Data File	Feb0705.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 5:19:11 PM
Sample Name	07-Feb-22_CAL_4	Instrument	GCMS
Vial	5	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

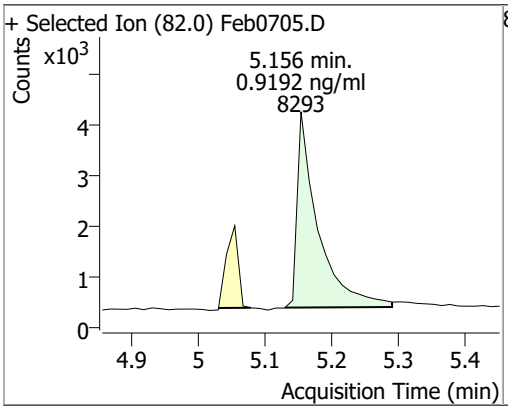


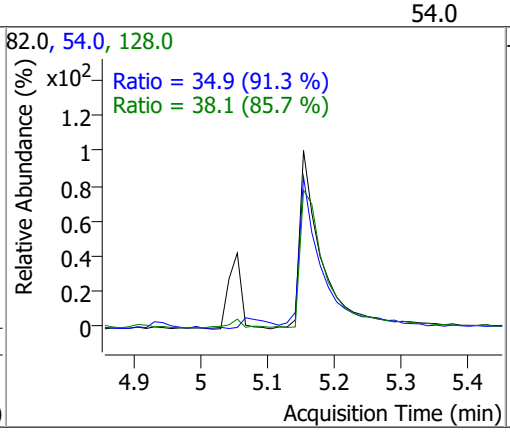
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	452584	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1611626	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.976	164.0	1130631	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	2030480	40.0000	ng/ml		0.012
M Chrysene-d12	14.614	240.0	1607359	40.0000	ng/ml		0.000
M Perylene-d12	18.400	264.0	958531	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.156	82.0	8293	0.9192	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 18.38%		*	
S 2-Fluorobiphenyl	7.239	172.0	34174	0.9385	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 18.77%		*	
S o-Terphenyl	10.274	230.0	32391	1.0702	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 21.40%		*	
S Terphenyl-d14	12.189	244.0	34394	0.9924	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 19.85%		*	
Target Compounds							**QValue**
T Naphthalene	5.941	128.0	44488	0.9997	ng/ml		74
T 2-Methylnaphthalene	6.777	141.0	28211	1.0585	ng/ml		96
T 1-Methylnaphthalene	6.890	141.0	29718	1.0163	ng/ml		93
T Acenaphthylene	7.801	152.0	40697	0.9390	ng/ml		99
T Acenaphthene	8.013	154.0	32062	0.9751	ng/ml		98
T Fluorene	8.648	166.0	38016	1.0049	ng/ml		87
T Phenanthrene	9.768	178.0	54083	0.9976	ng/ml		99
T Anthracene	9.830	178.0	44491	1.0524	ng/ml		99
T Fluoranthene	11.361	202.0	49241	0.9811	ng/ml		98
T Pyrene	11.732	202.0	54965	0.9913	ng/ml		97
T Benzo(a)Anthracene	14.577	228.0	43159	1.0475	ng/ml		99
T Chrysene	14.677	228.0	55474	1.0299	ng/ml		98
T Benzo(b)fluoranthene	17.634	252.0	34624	1.0526	ng/ml		99

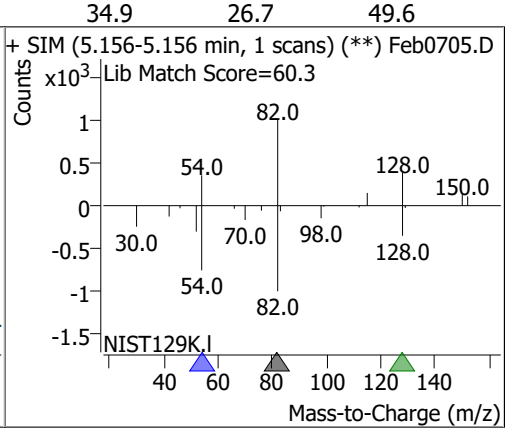
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.696	252.0	40445	1.0322	ng/ml	100
T Benzo(a)pyrene	18.277	252.0	29274	1.0016	ng/ml	94
T Indeno(1,2,3-cd)pyrene	20.130	276.0	25459	0.9881	ng/ml	98
T Dibenzo(a,h)anthracene	20.204	278.0	31125	1.0538	ng/ml	99
T Benzo(g,h,i)perylene	20.464	276.0	37800	1.0526	ng/ml	97

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

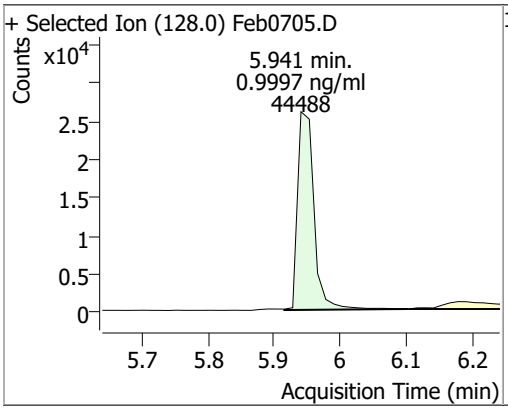
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	0.9192	5.16	0.00	8293	128.0	38.1	31.2	57.9
					54.0	34.9	26.7	49.6

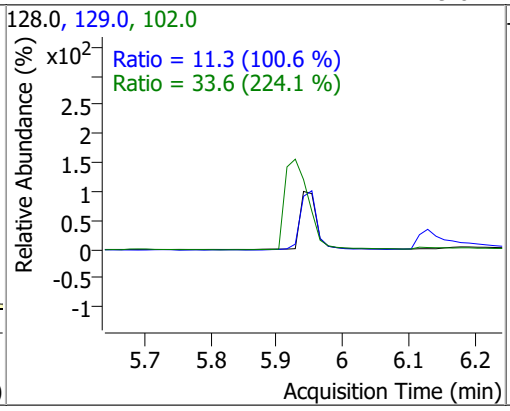


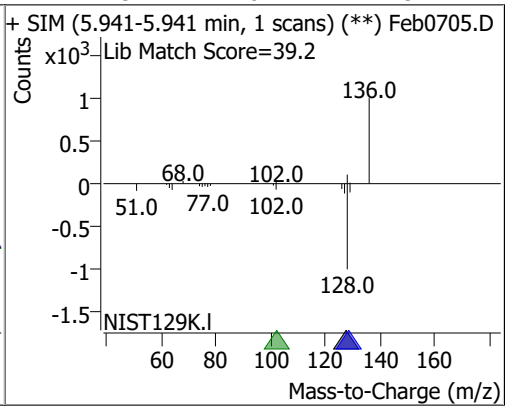




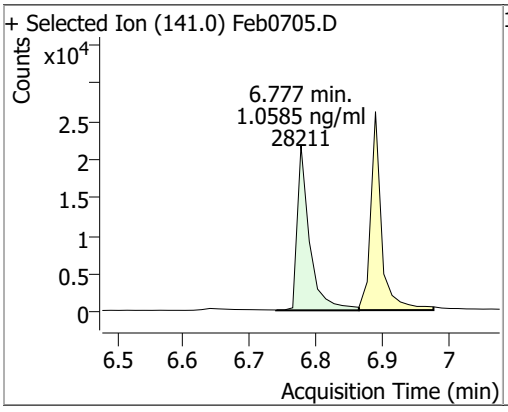
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	0.9997	5.94	0.00	44488	102.0	33.6	0.0	45.0
					129.0	11.3	7.8	14.5

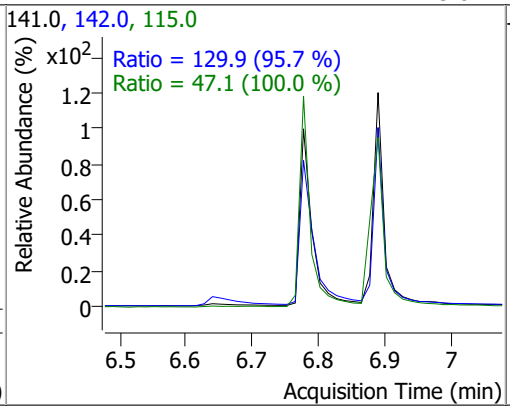


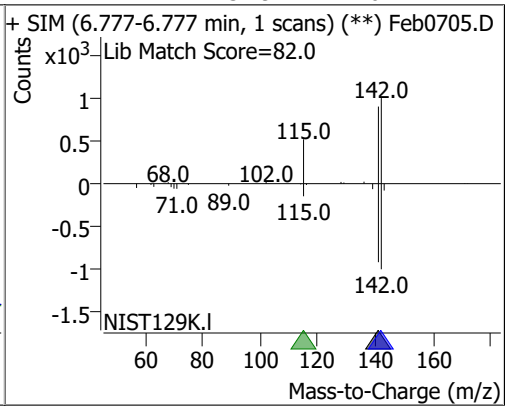




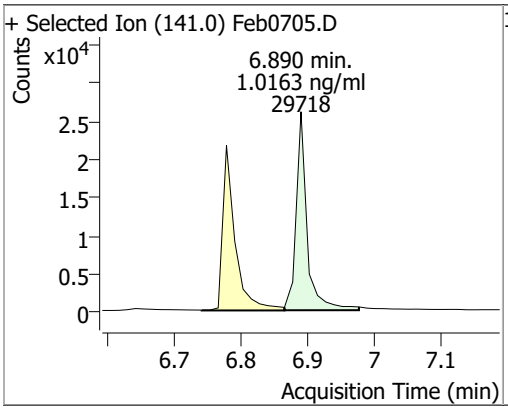
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	1.0585	6.78	0.00	28211	142.0	129.9	95.0	176.4
					115.0	47.1	32.9	61.2

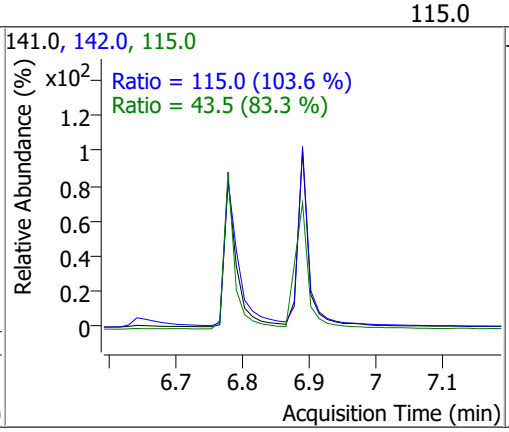


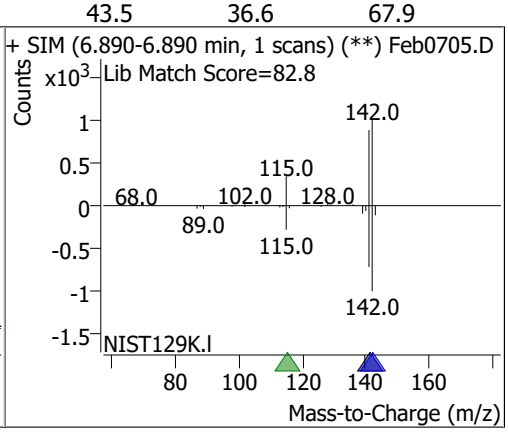




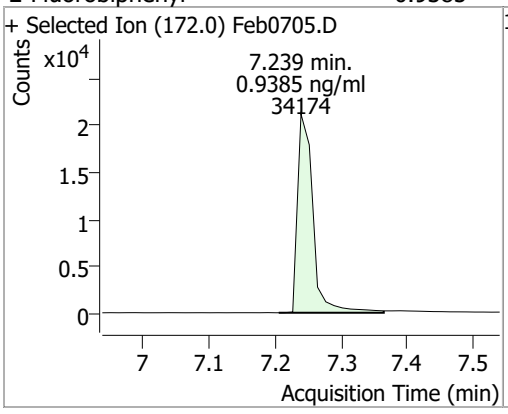
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	1.0163	6.89	0.00	29718	142.0	115.0	77.7	144.2
					115.0	43.5	36.6	67.9

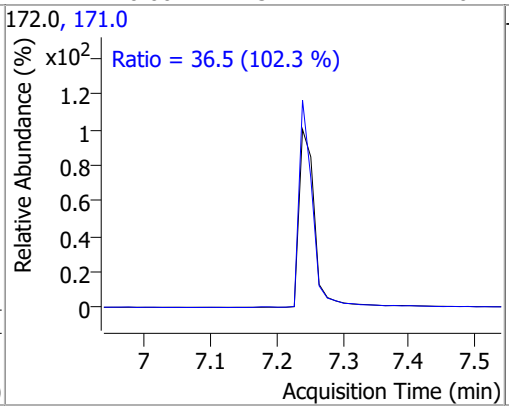


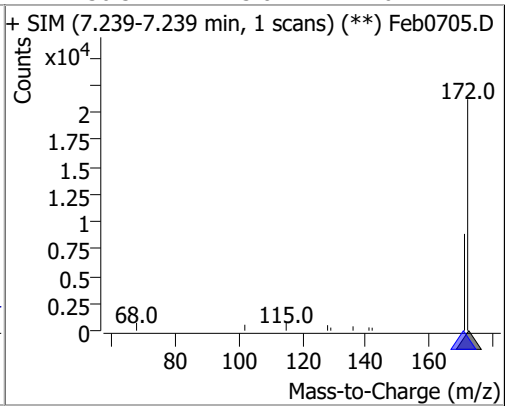




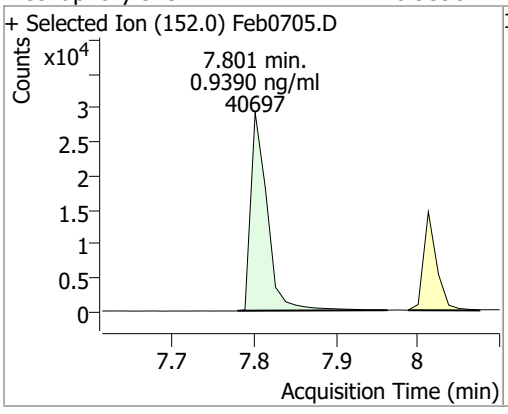
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	0.9385	7.24	0.00	34174	171.0	36.5	25.0	46.4

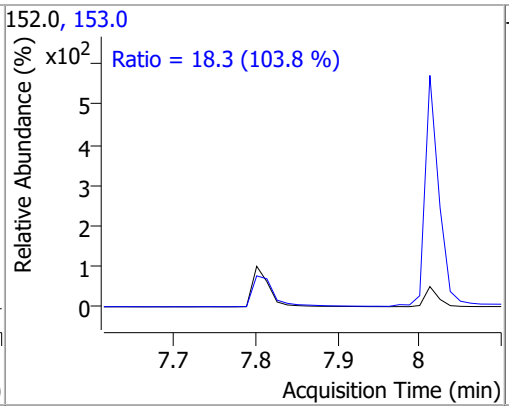


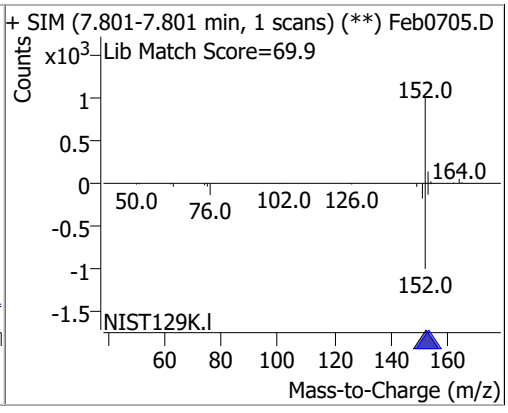




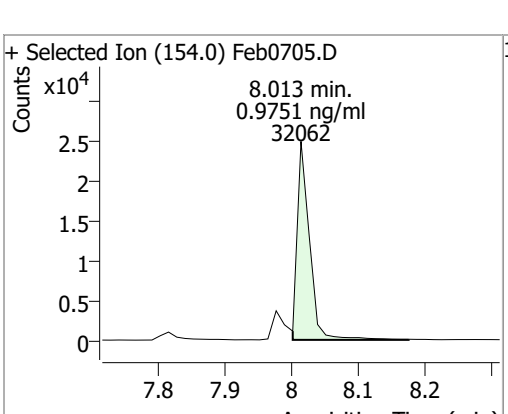
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	0.9390	7.80	0.00	40697	153.0	18.3	12.3	22.9

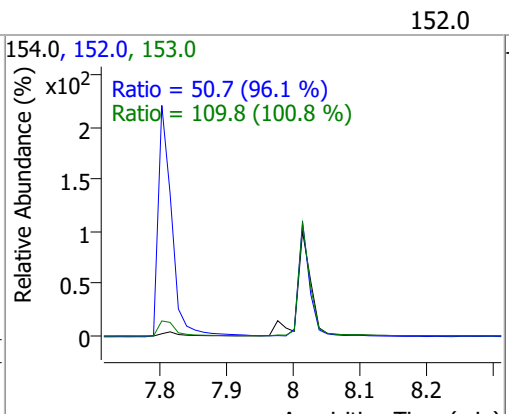


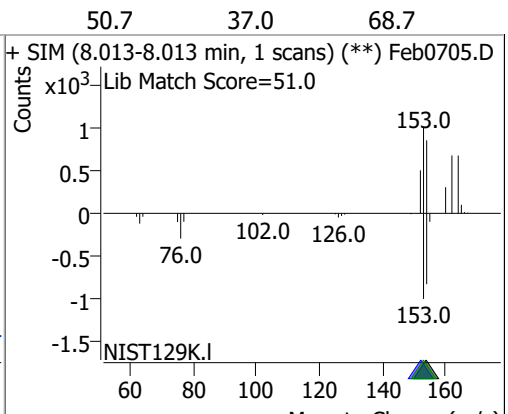




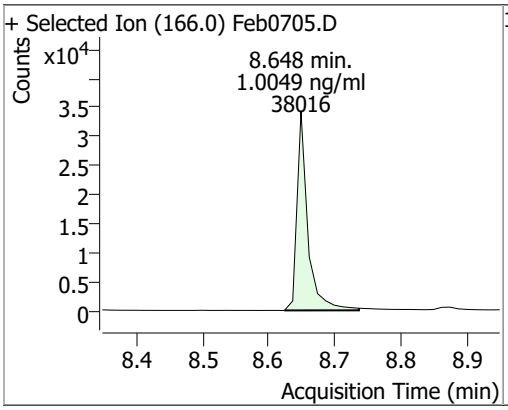
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	0.9751	8.01	0.00	32062	153.0	109.8	76.2	141.5
					152.0	50.7	37.0	68.7

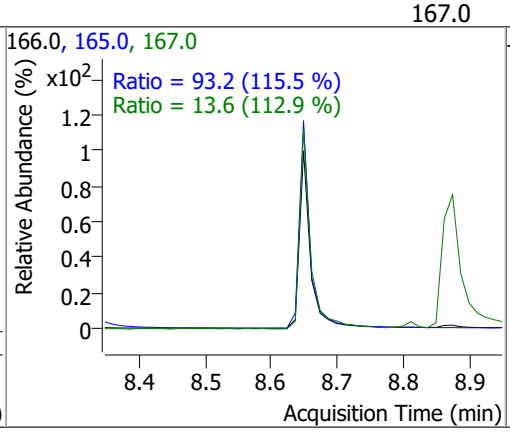


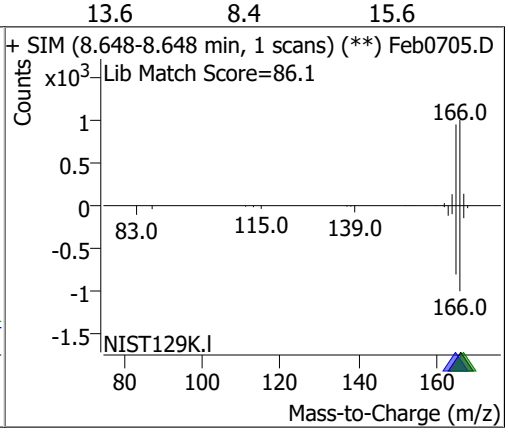




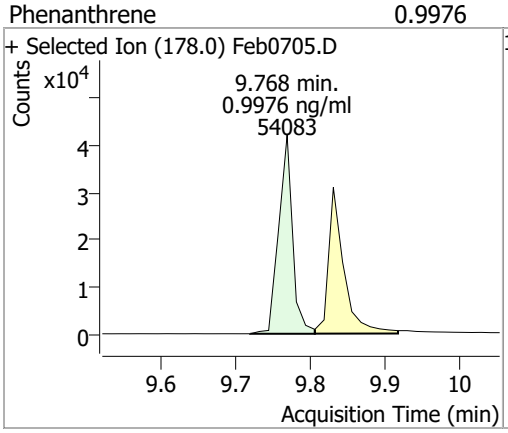
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	1.0049	8.65	0.00	38016	165.0	93.2	56.5	104.9
					167.0	13.6	8.4	15.6

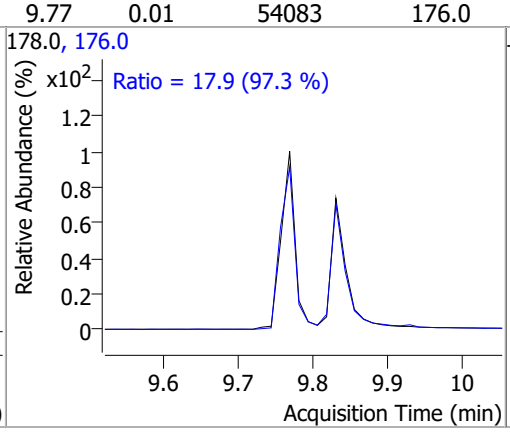


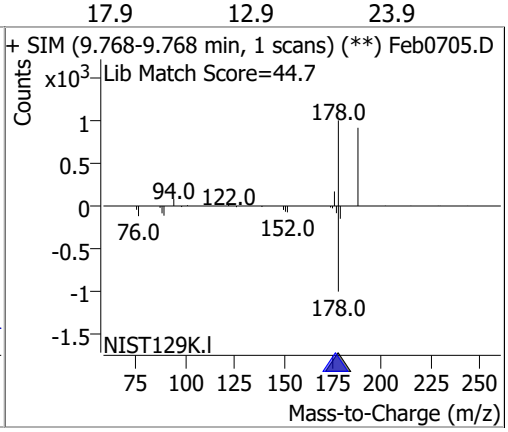




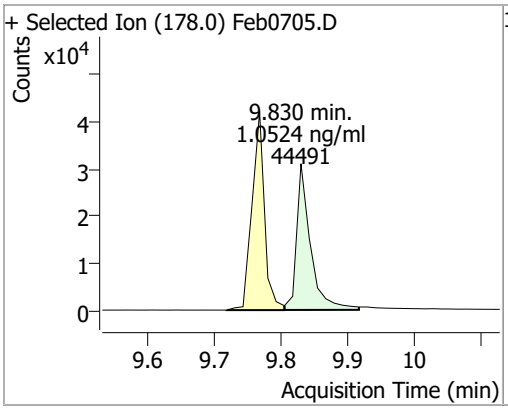
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	0.9976	9.77	0.01	54083	176.0	17.9	12.9	23.9

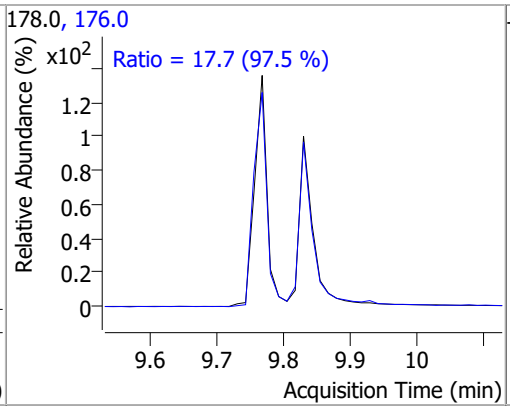


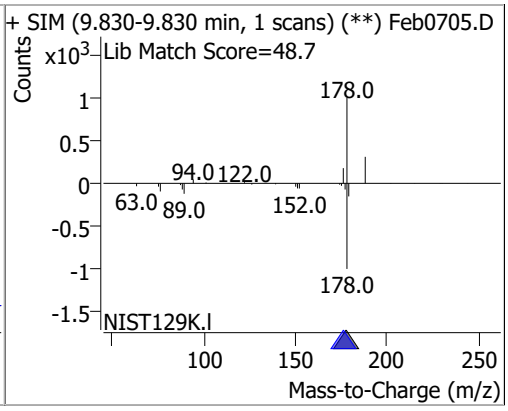




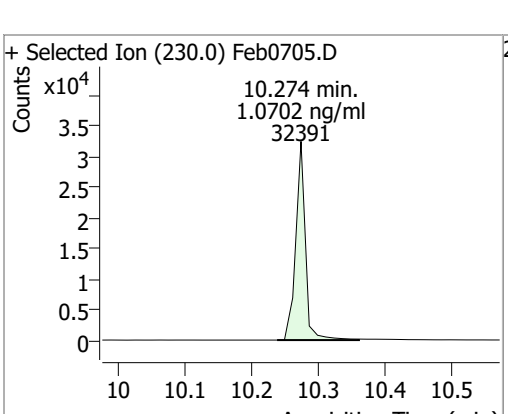
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	1.0524	9.83	0.00	44491	176.0	17.7	12.7	23.6

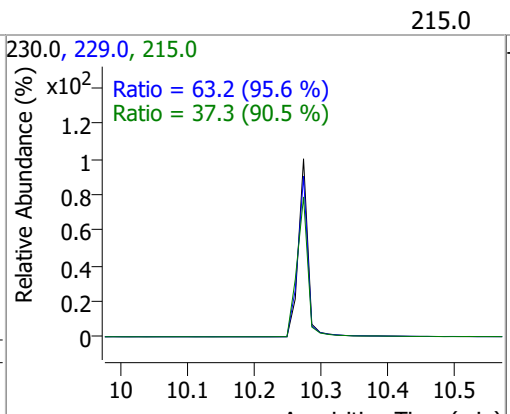


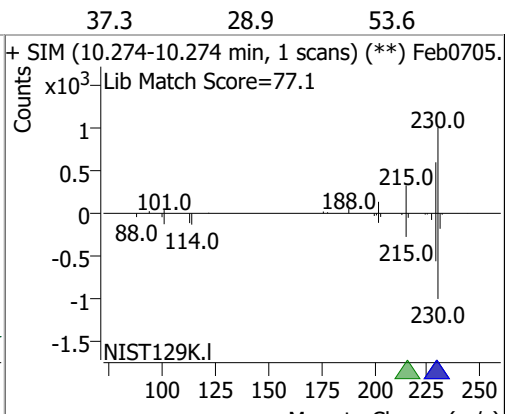




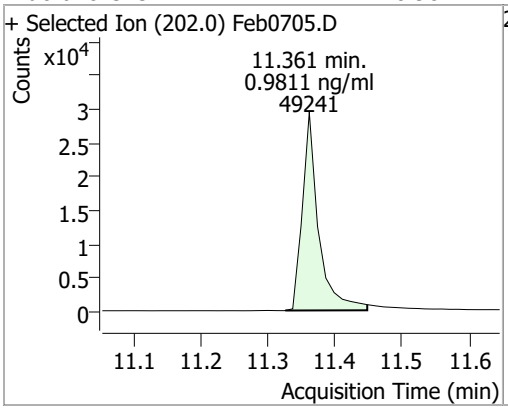
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	1.0702	10.27	0.00	32391	229.0	63.2	46.3	85.9
					215.0	37.3	28.9	53.6

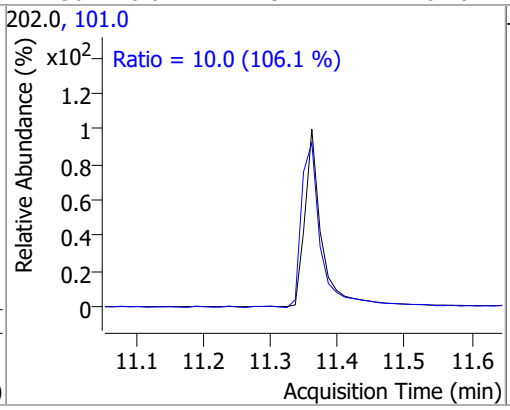


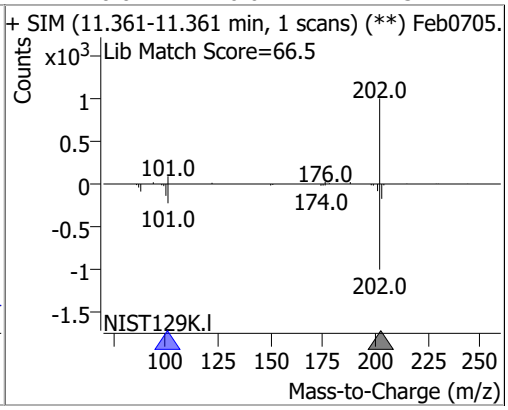




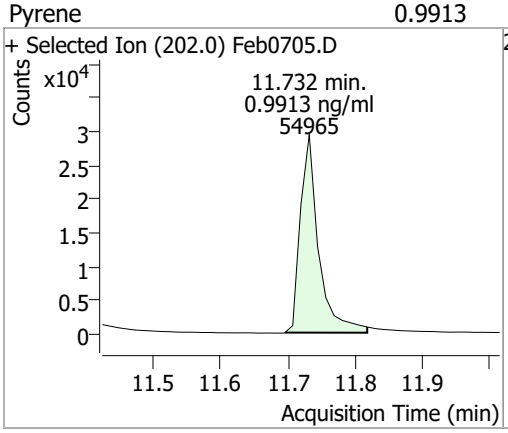
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	0.9811	11.36	0.01	49241	101.0	10.0	6.6	12.3

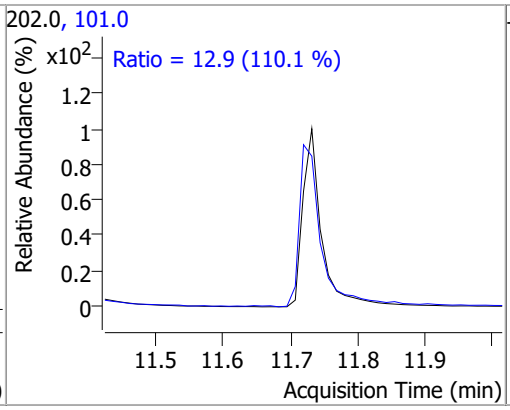


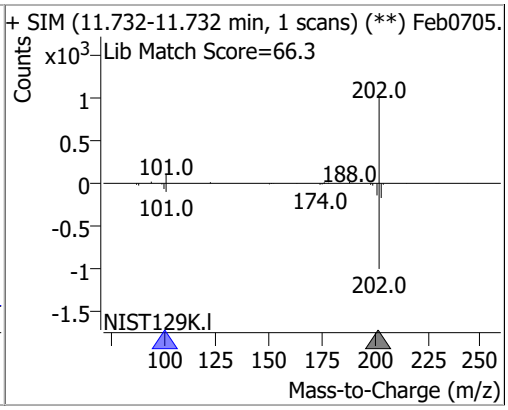




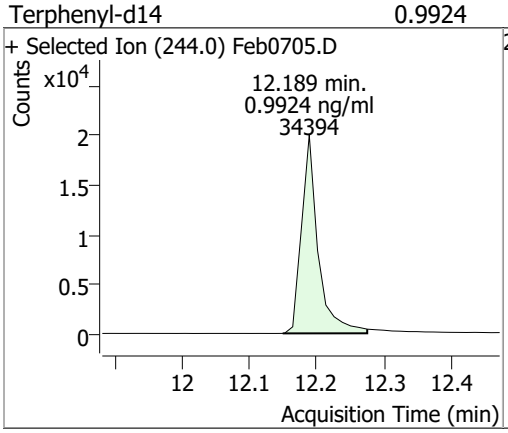
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	0.9913	11.73	0.01	54965	101.0	12.9	8.2	15.2

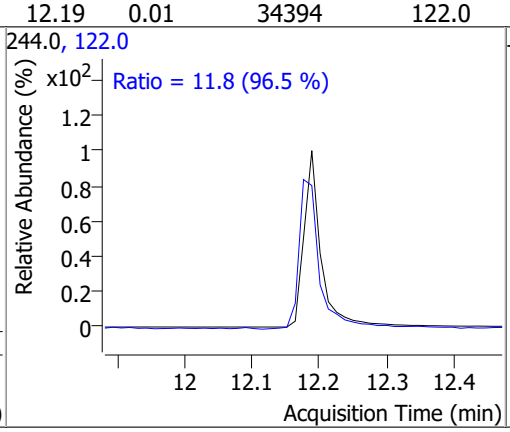


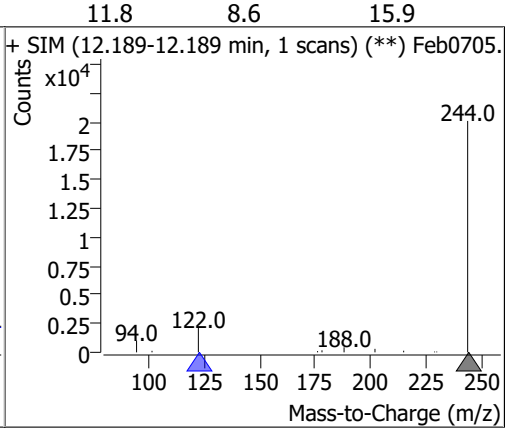




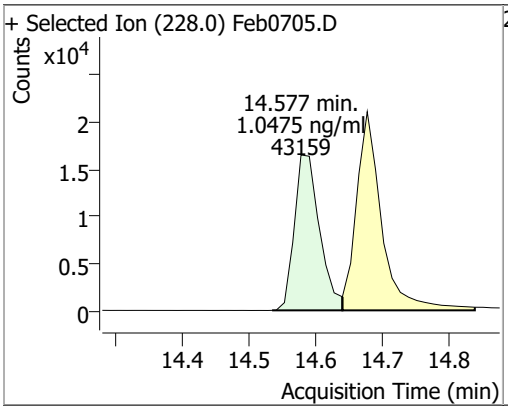
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	0.9924	12.19	0.01	34394	122.0	11.8	8.6	15.9

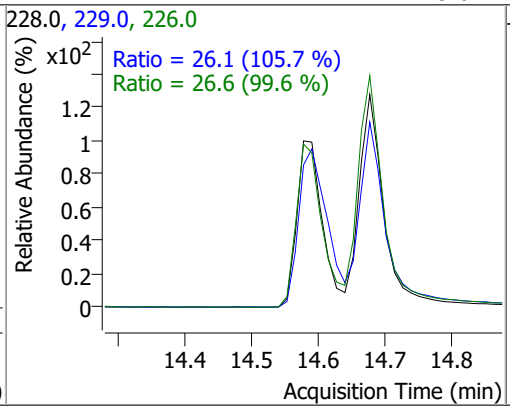


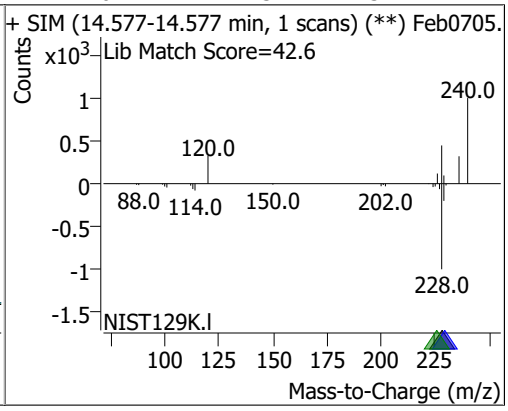




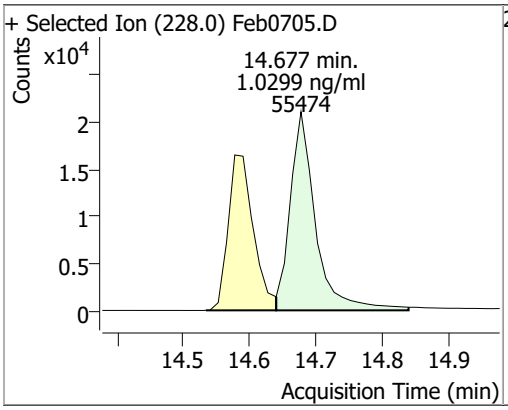
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	1.0475	14.58	0.00	43159	226.0	26.6	18.7	34.8
					229.0	26.1	17.3	32.1

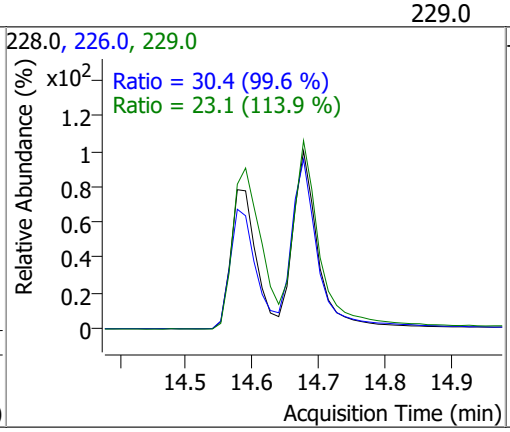


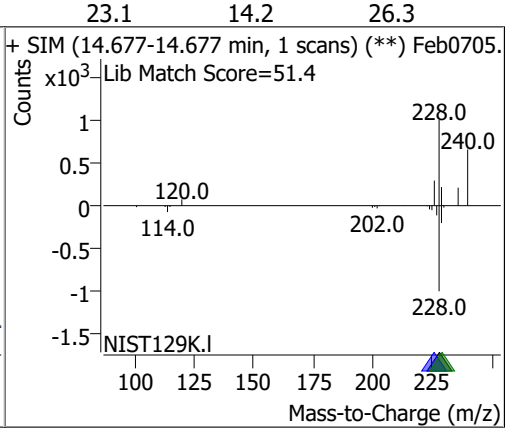




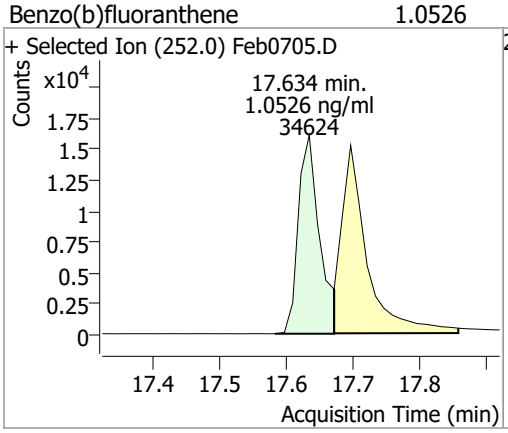
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	1.0299	14.68	0.00	55474	226.0	30.4	21.4	39.7
					229.0	23.1	14.2	26.3

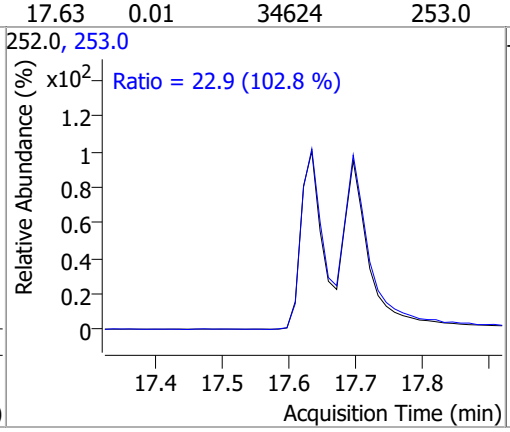


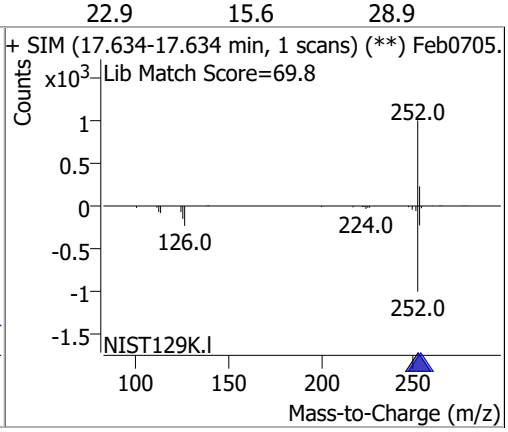




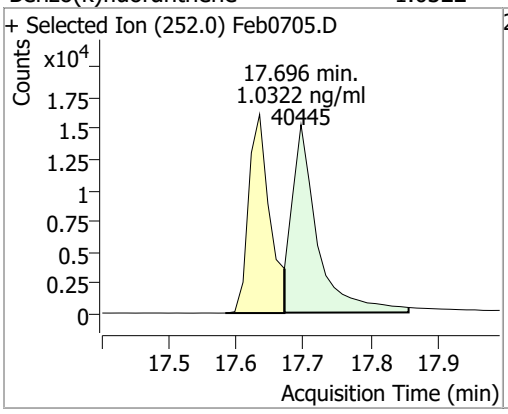
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	1.0526	17.63	0.01	34624	253.0	22.9	15.6	28.9

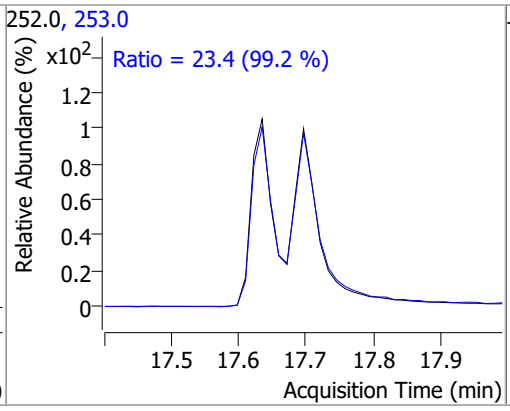


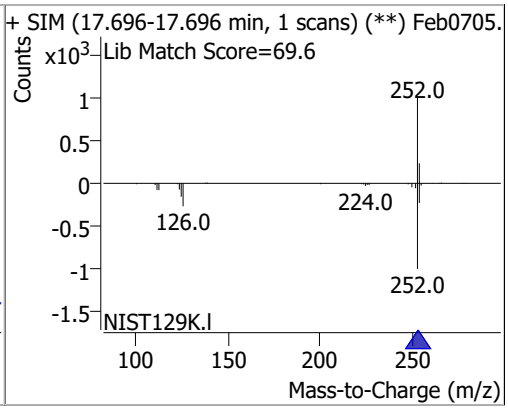




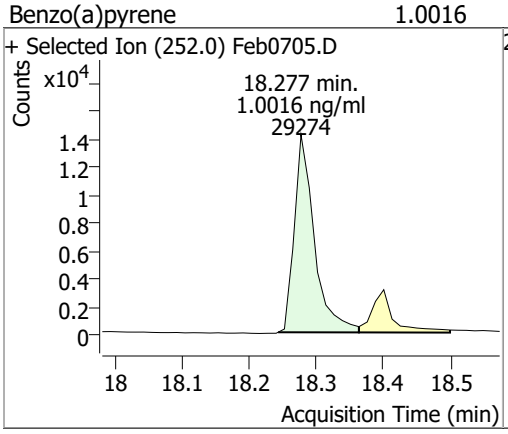
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	1.0322	17.70	0.00	40445	253.0	23.4	16.5	30.6

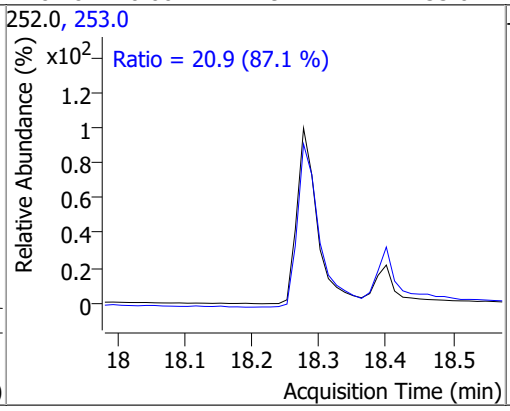


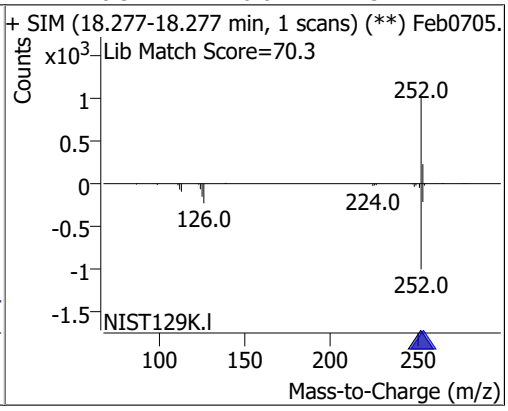




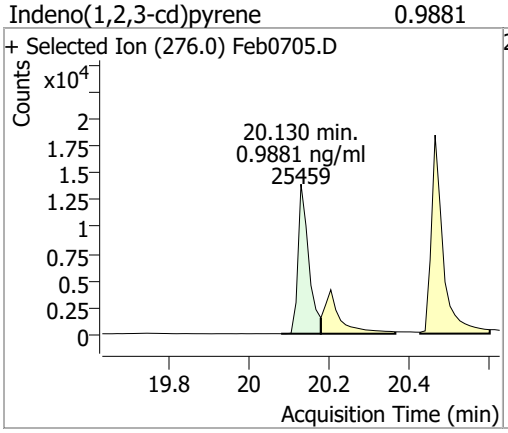
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	1.0016	18.28	0.00	29274	253.0	20.9	16.8	31.2

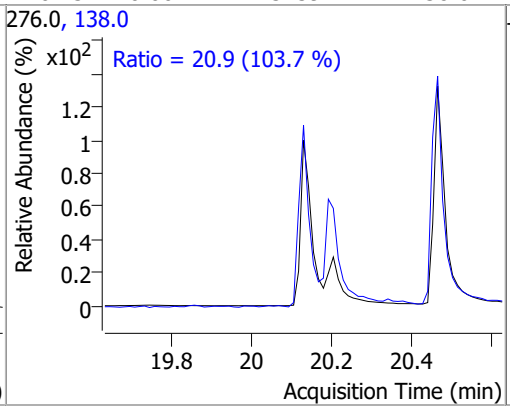


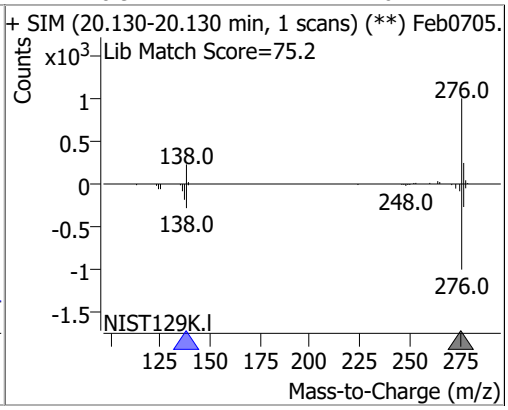




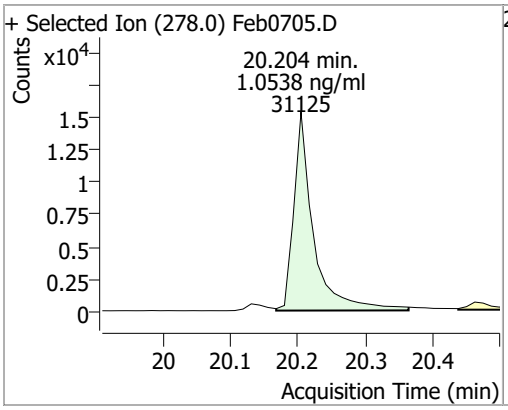
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	0.9881	20.13	0.00	25459	138.0	20.9	14.1	26.2

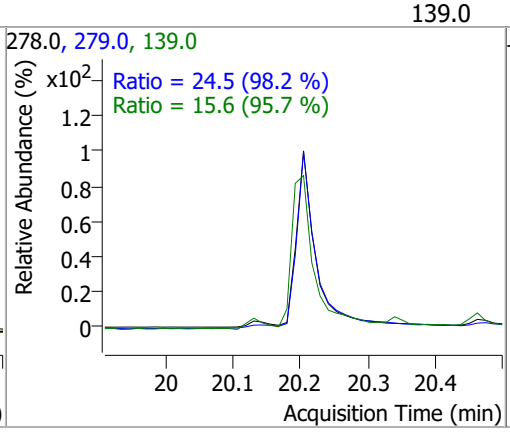


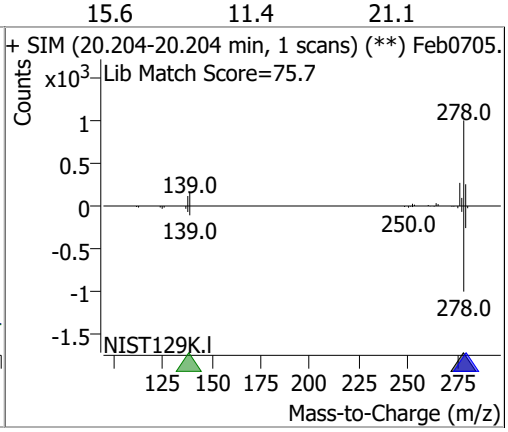




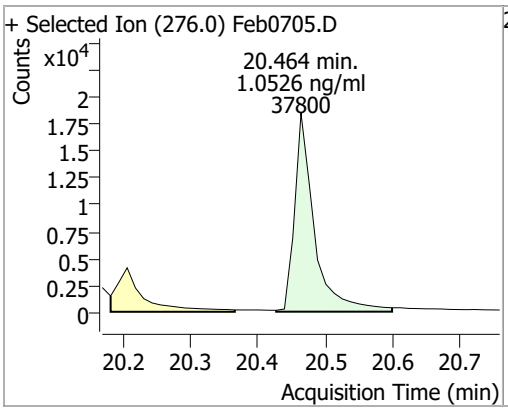
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	1.0538	20.20	0.00	31125	279.0	24.5	17.4	32.4
					139.0	15.6	11.4	21.1

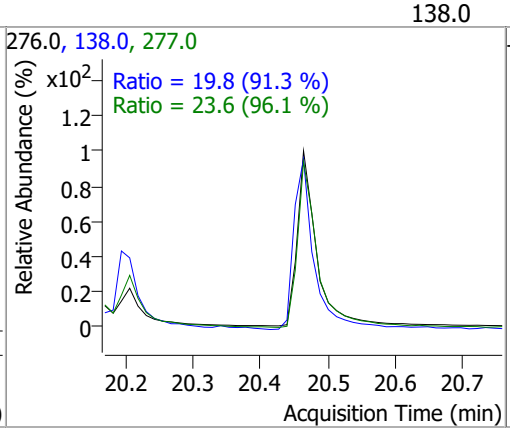


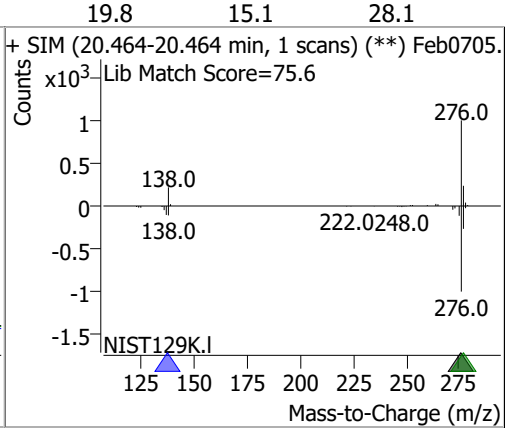




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	1.0526	20.46	0.00	37800	277.0	23.6	17.2	31.9
					138.0	19.8	15.1	28.1

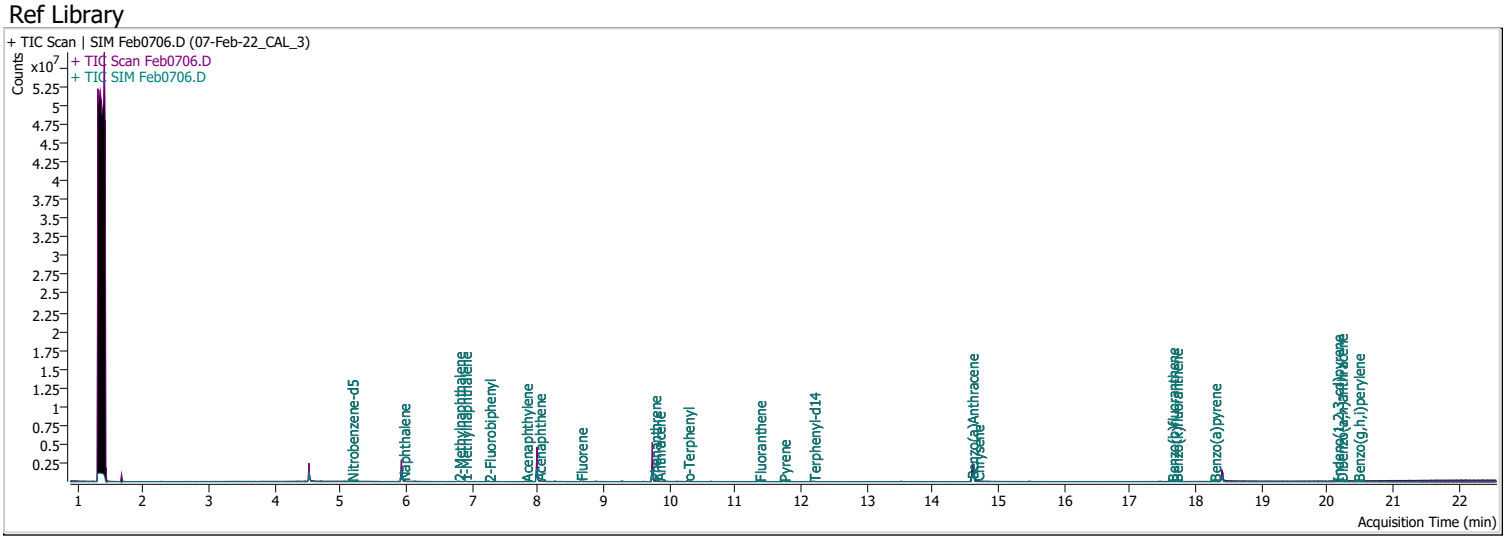






Quantitation Results Report (QT Reviewed)

Data File	Feb0706.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 5:51:55 PM
Sample Name	07-Feb-22_CAL_3	Instrument	GCMS
Vial	6	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

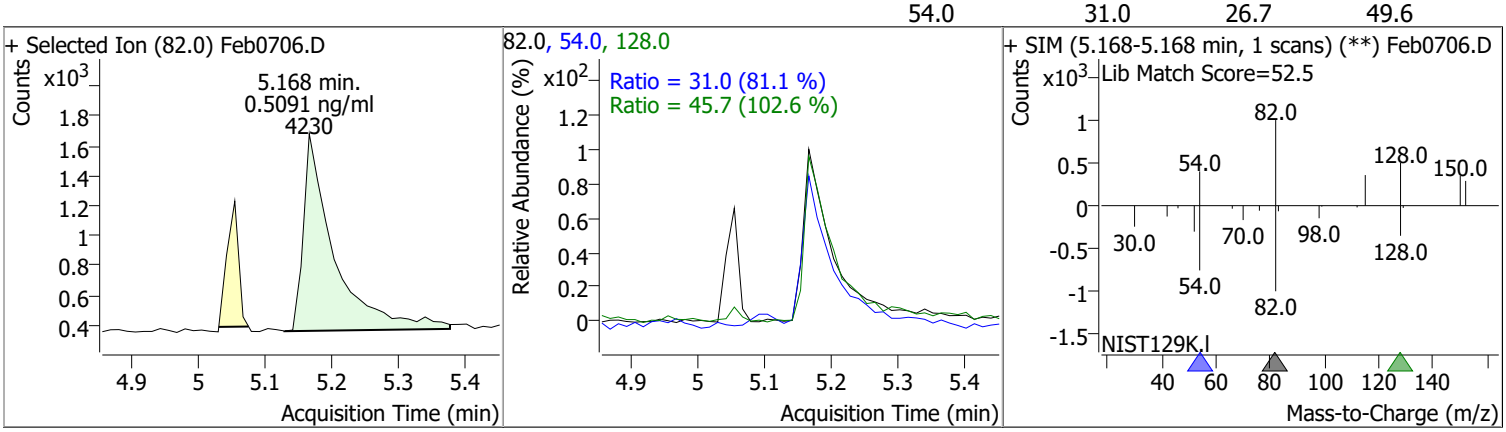


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	416791	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1451616	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.988	164.0	1037043	40.0000	ng/ml		0.012
M Phenanthrene-d10	9.743	188.0	1933896	40.0000	ng/ml		0.012
M Chrysene-d12	14.614	240.0	1512590	40.0000	ng/ml		0.000
M Perylene-d12	18.400	264.0	874645	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.168	82.0	4230	0.5091	ng/ml		0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 10.18%		*	
S 2-Fluorobiphenyl	7.252	172.0	16996	0.4922	ng/ml		0.012
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 9.84%		*	
S o-Terphenyl	10.274	230.0	17384	0.5710	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 11.42%		*	
S Terphenyl-d14	12.189	244.0	18445	0.5394	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 10.79%		*	
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	22677	0.5386	ng/ml		96
T 2-Methylnaphthalene	6.790	141.0	13293	0.5283	ng/ml		97
T 1-Methylnaphthalene	6.890	141.0	15355	0.5510	ng/ml		93
T Acenaphthylene	7.814	152.0	19916	0.5010	ng/ml		99
T Acenaphthene	8.013	154.0	17109	0.5333	ng/ml		99
T Fluorene	8.648	166.0	19842	0.5507	ng/ml		86
T Phenanthrene	9.768	178.0	29209	0.5348	ng/ml		91
T Anthracene	9.830	178.0	23664	0.5604	ng/ml		92
T Fluoranthene	11.361	202.0	26413	0.5337	ng/ml		100
T Pyrene	11.732	202.0	29387	0.5351	ng/ml		100
T Benzo(a)Anthracene	14.589	228.0	24049	0.5371	ng/ml		97
T Chrysene	14.677	228.0	29692	0.5533	ng/ml		96
T Benzo(b)fluoranthene	17.634	252.0	15908	0.5147	ng/ml		100

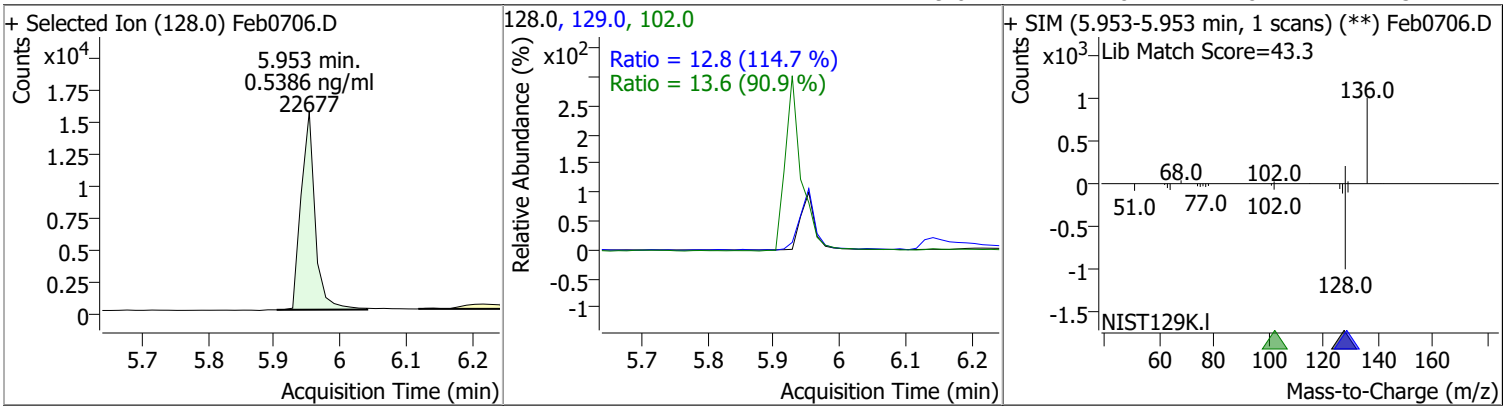
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.696	252.0	20869	0.5470	ng/ml	93
T Benzo(a)pyrene	18.277	252.0	14919	0.5380	ng/ml	97
T Indeno(1,2,3-cd)pyrene	20.143	276.0	12627	0.5212	ng/ml	98
T Dibenzo(a,h)anthracene	20.204	278.0	15098	0.5339	ng/ml	99
T Benzo(g,h,i)perylene	20.464	276.0	19198	0.5573	ng/ml	96

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

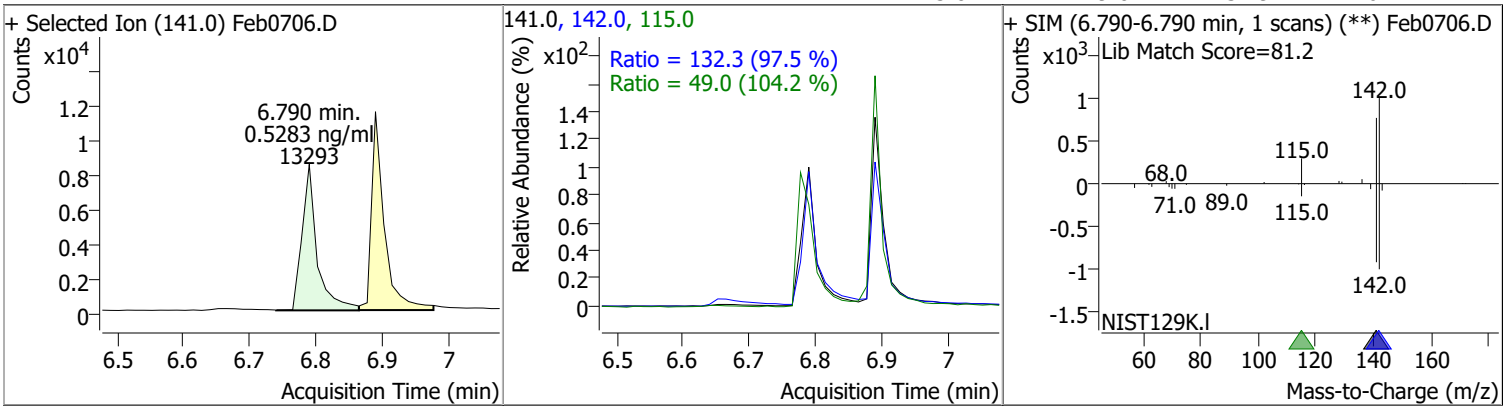
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	0.5091	5.17	0.01	4230	128.0	45.7	31.2	57.9
					54.0	31.0	26.7	49.6



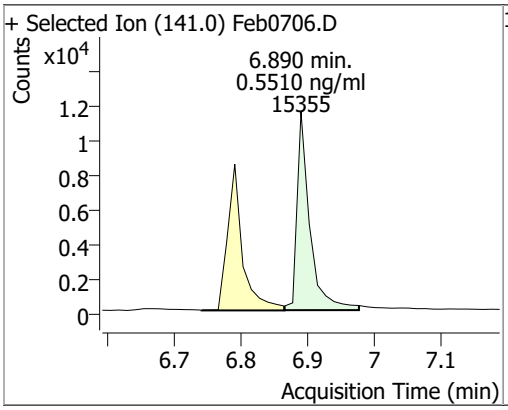
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	0.5386	5.95	0.01	22677	102.0	13.6	0.0	45.0
					129.0	12.8	7.8	14.5

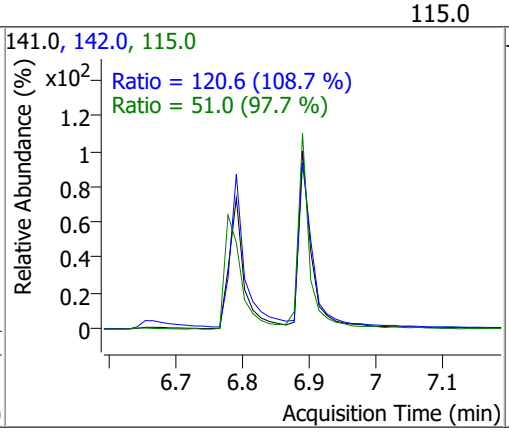


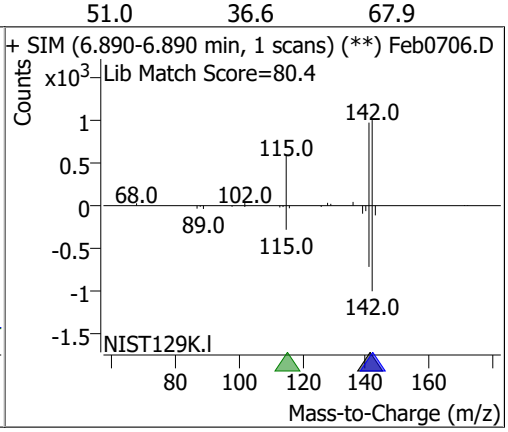
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	0.5283	6.79	0.01	13293	142.0	132.3	95.0	176.4
					115.0	49.0	32.9	61.2



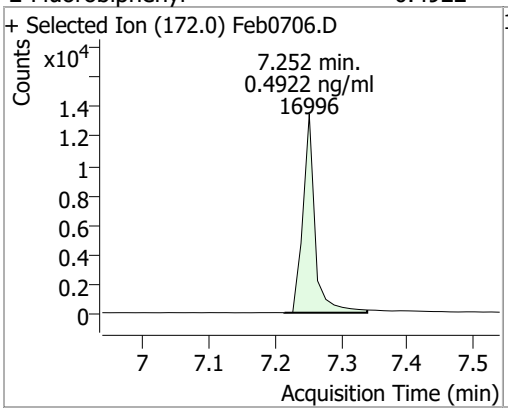
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	0.5510	6.89	0.00	15355	142.0	120.6	77.7	144.2
					115.0	51.0	36.6	67.9

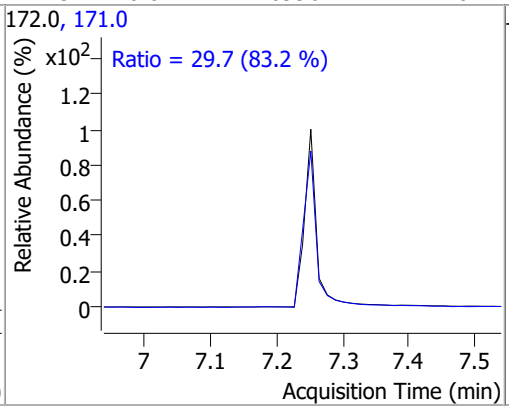


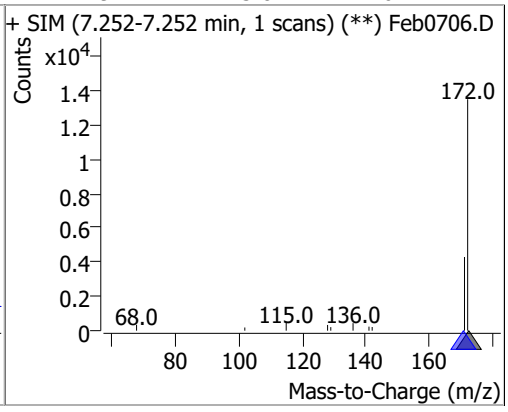




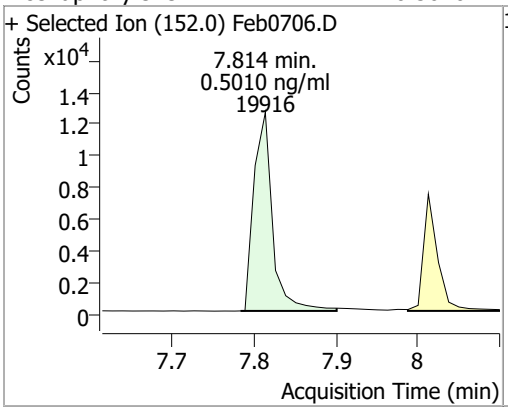
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	0.4922	7.25	0.01	16996	171.0	29.7	25.0	46.4

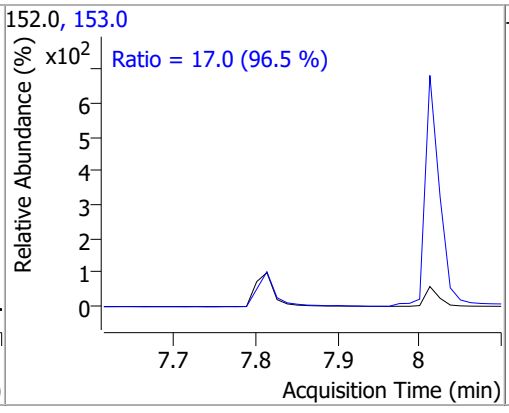


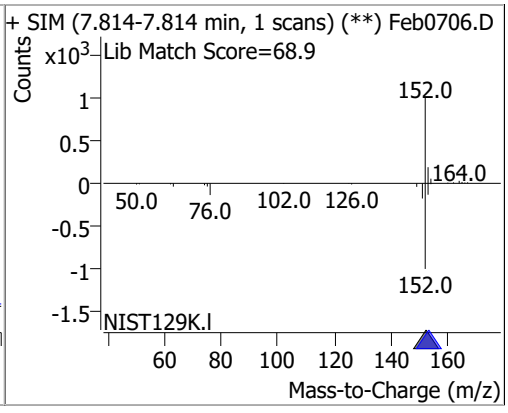




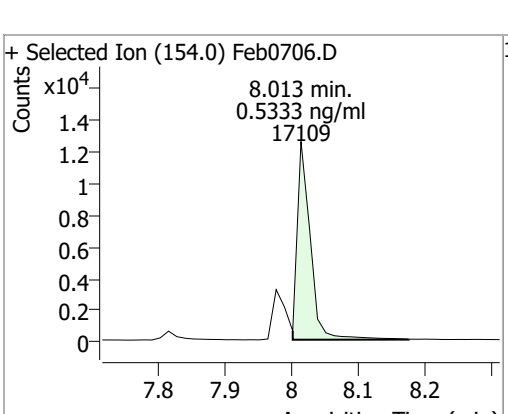
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	0.5010	7.81	0.01	19916	153.0	17.0	12.3	22.9

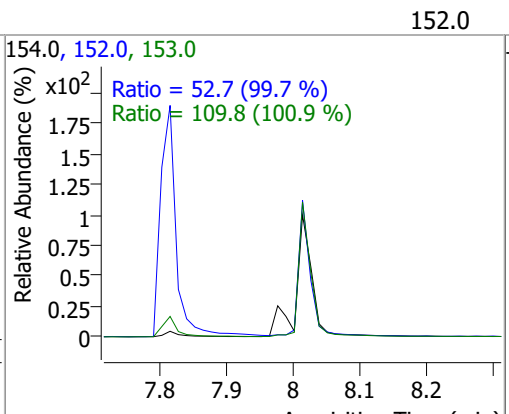


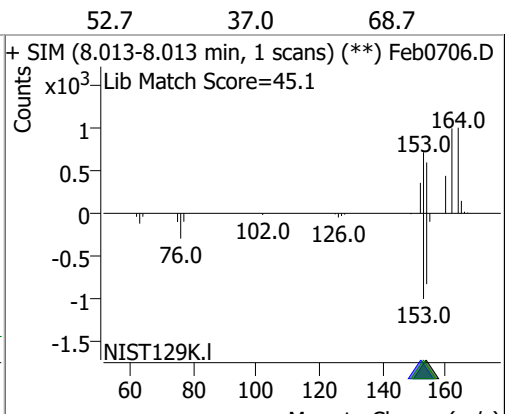




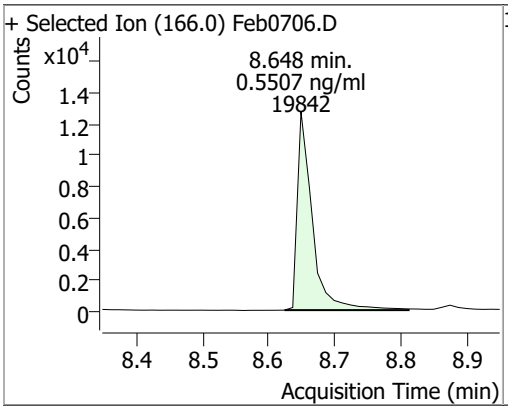
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	0.5333	8.01	0.00	17109	153.0	109.8	76.2	141.5
					152.0	52.7	37.0	68.7

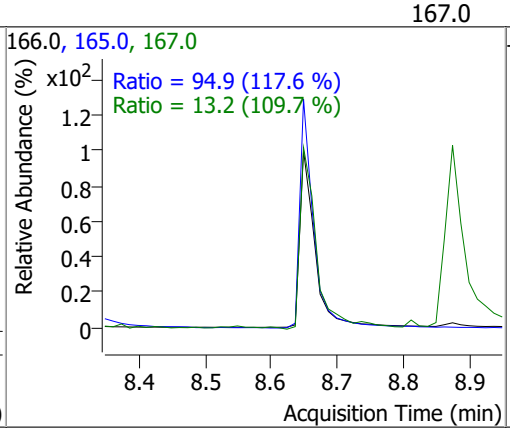


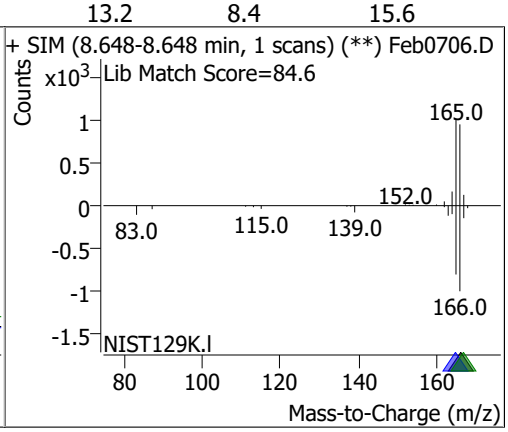




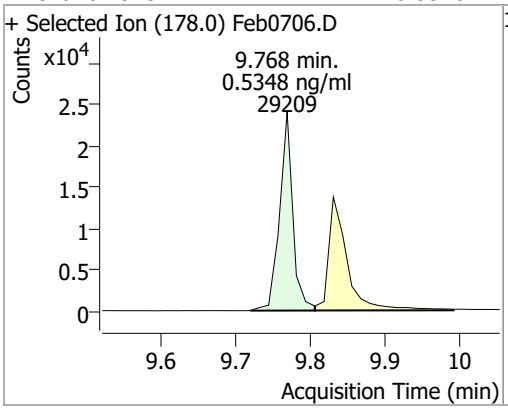
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	0.5507	8.65	0.00	19842	165.0	94.9	56.5	104.9
					167.0	13.2	8.4	15.6

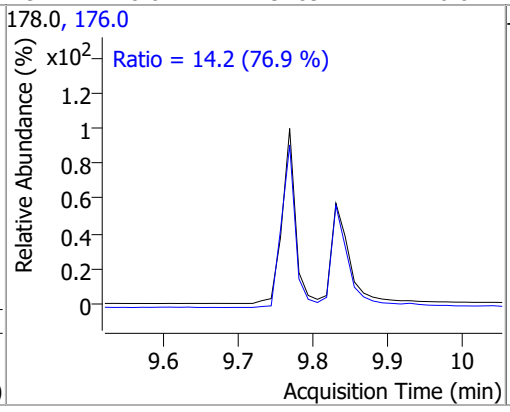


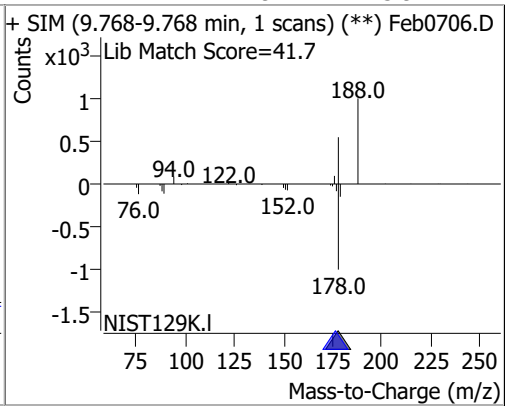




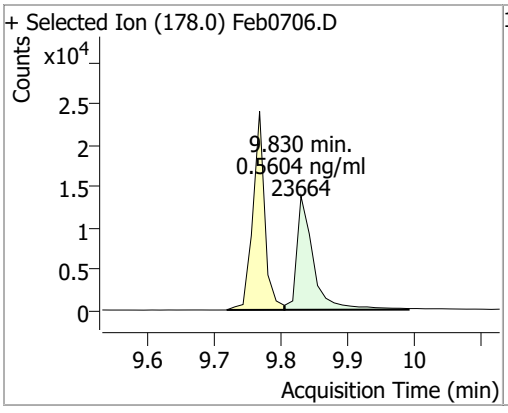
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	0.5348	9.77	0.01	29209	176.0	14.2	12.9	23.9

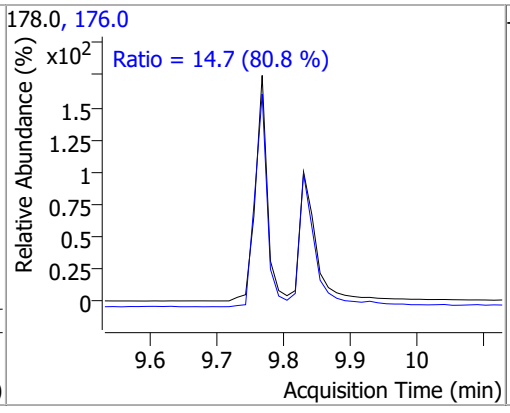


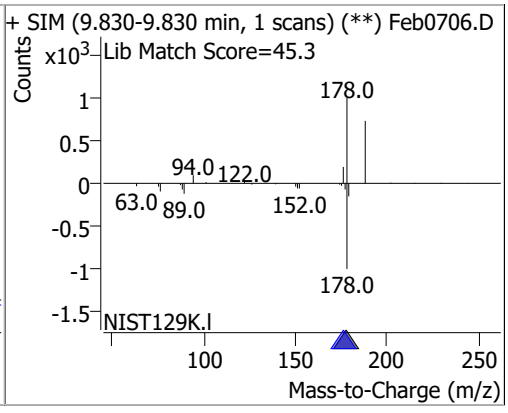




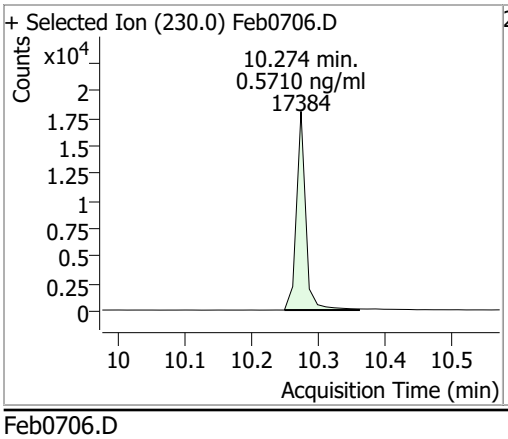
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	0.5604	9.83	0.00	23664	176.0	14.7	12.7	23.6

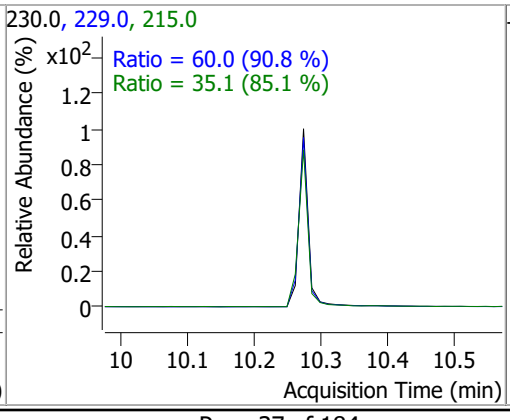


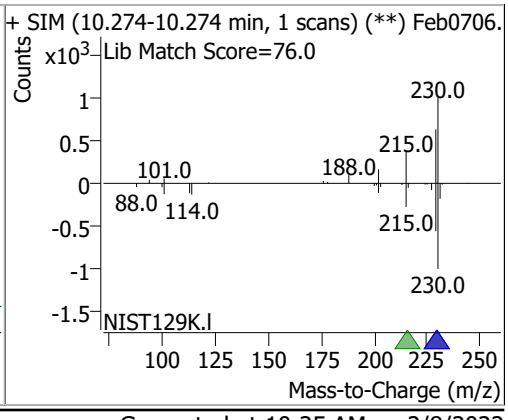




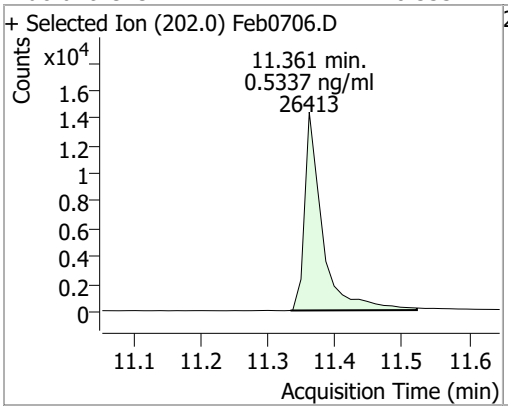
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.5710	10.27	0.00	17384	229.0	60.0	46.3	85.9
					215.0	35.1	28.9	53.6

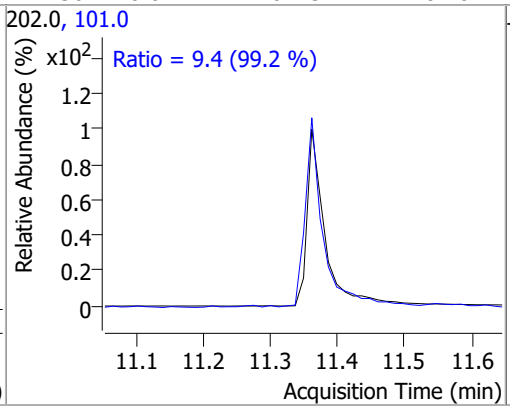


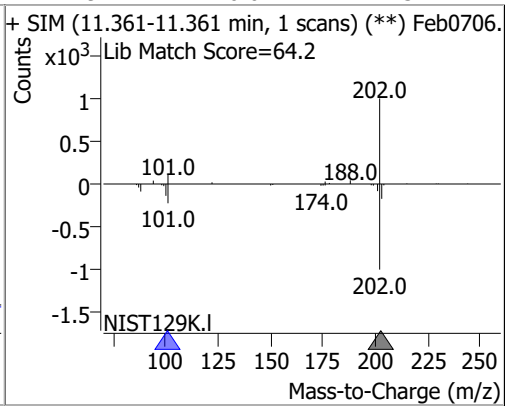




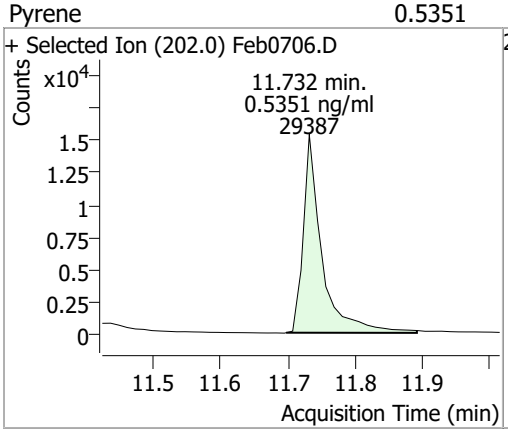
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	0.5337	11.36	0.01	26413	101.0	9.4	6.6	12.3

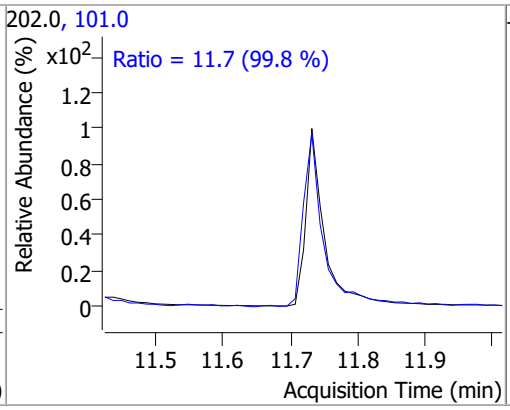


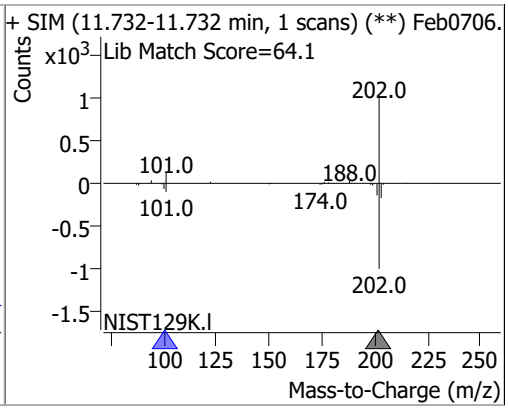




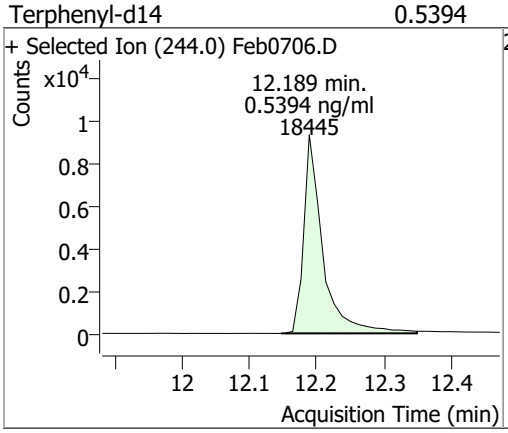
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	0.5351	11.73	0.01	29387	101.0	11.7	8.2	15.2

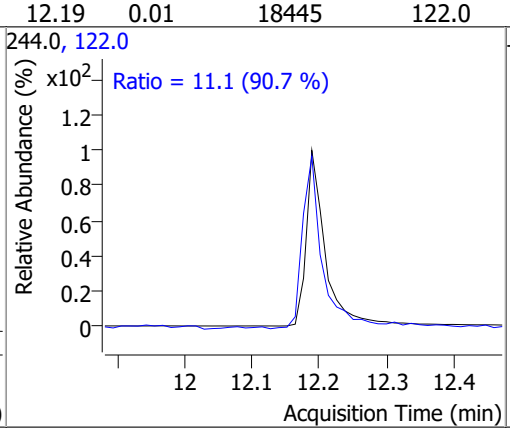


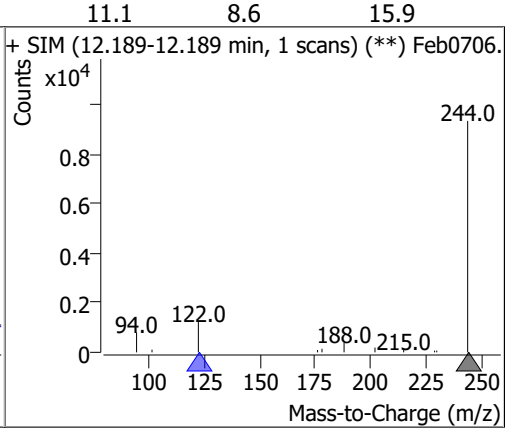




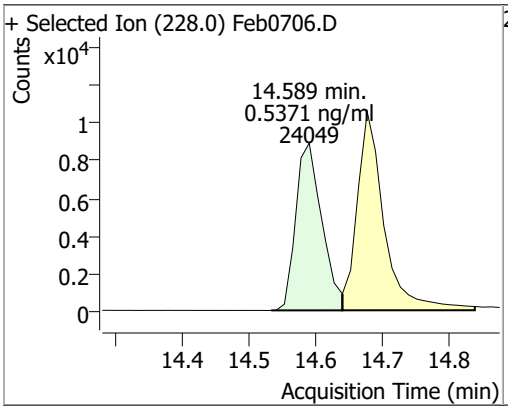
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	0.5394	12.19	0.01	18445	122.0	11.1	8.6	15.9

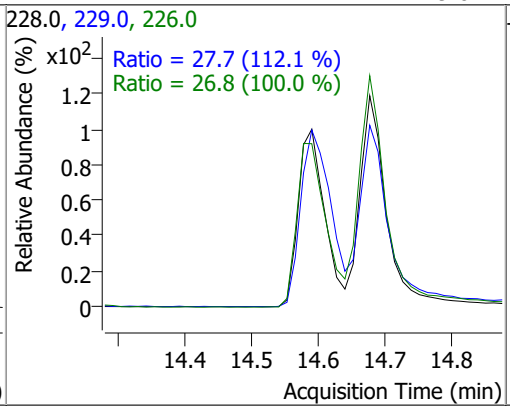


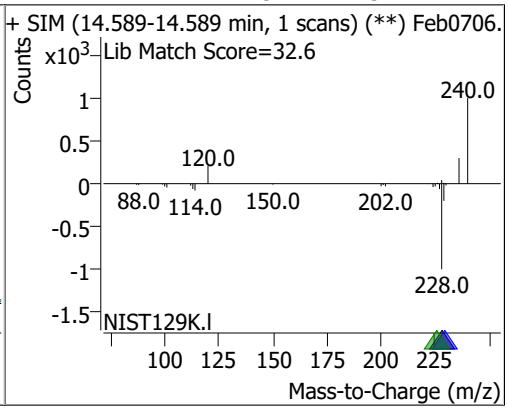




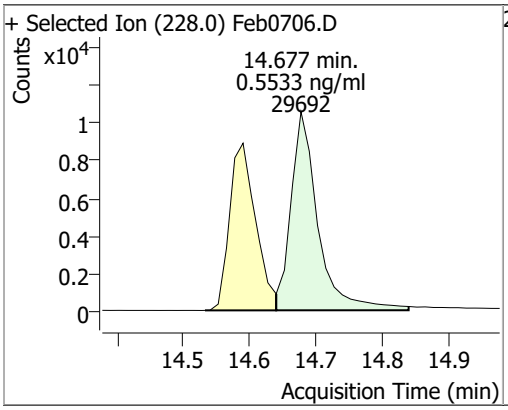
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	0.5371	14.59	0.01	24049	226.0	26.8	18.7	34.8
					229.0	27.7	17.3	32.1

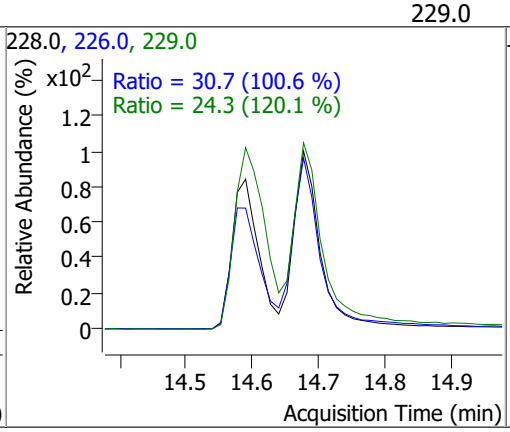


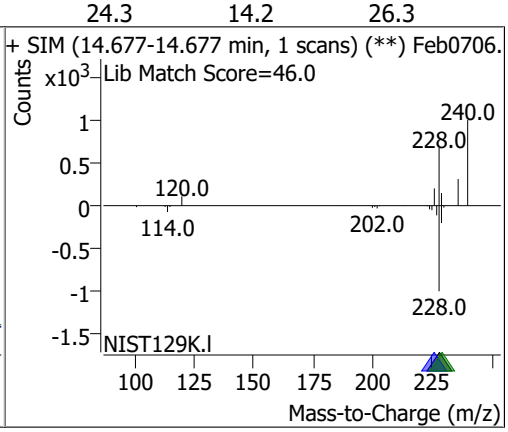




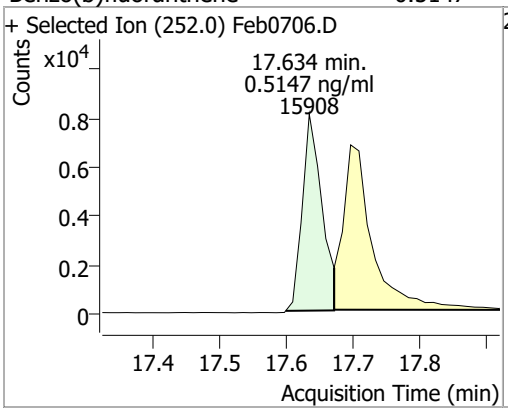
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	0.5533	14.68	0.00	29692	226.0	30.7	21.4	39.7
					229.0	24.3	14.2	26.3

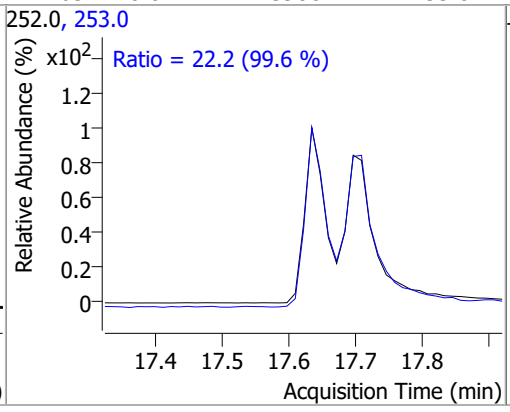


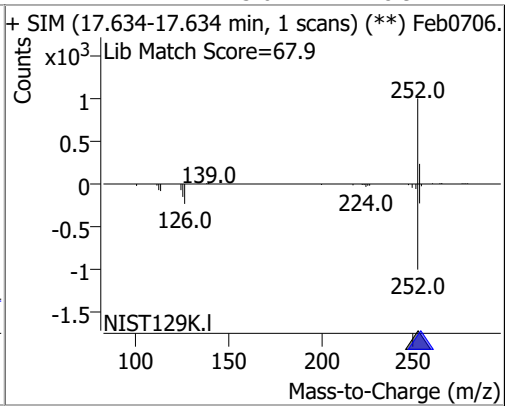




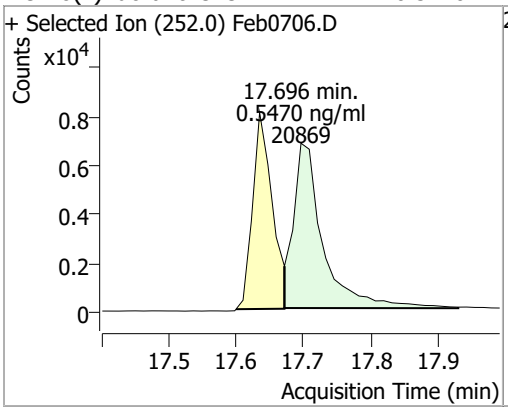
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	0.5147	17.63	0.01	15908	253.0	22.2	15.6	28.9

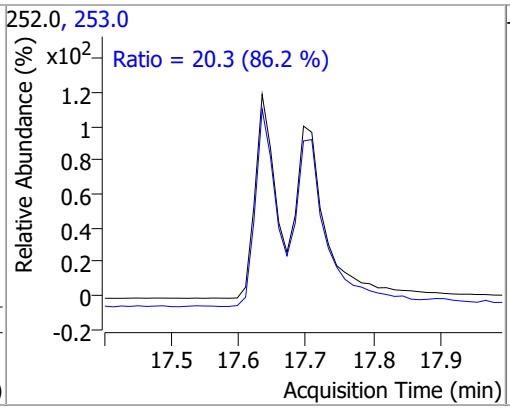


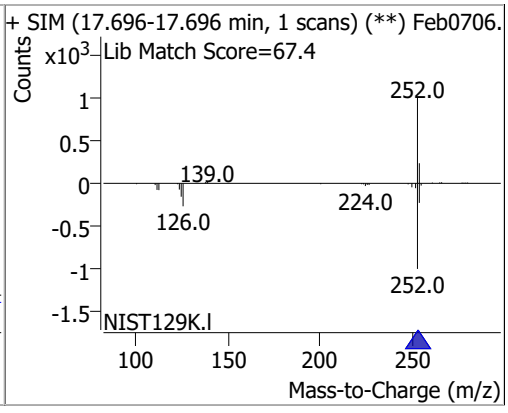




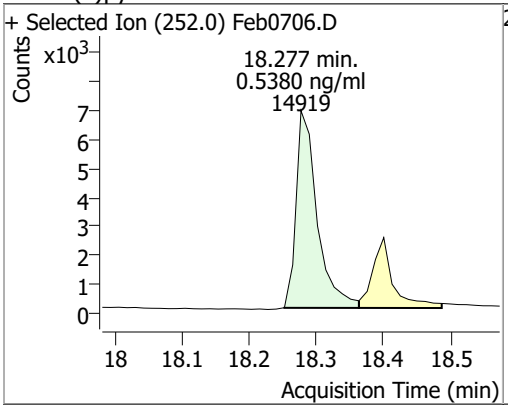
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	0.5470	17.70	0.00	20869	253.0	20.3	16.5	30.6

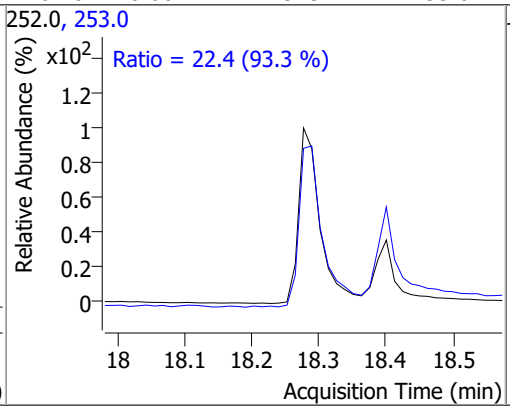


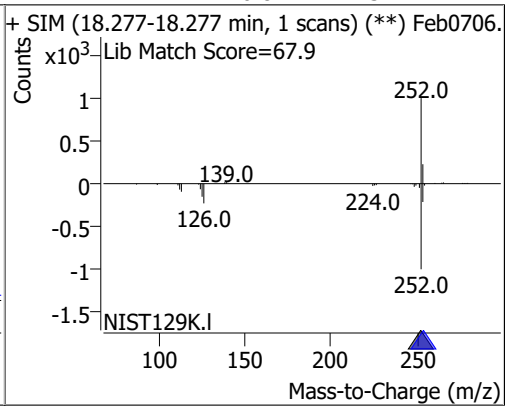




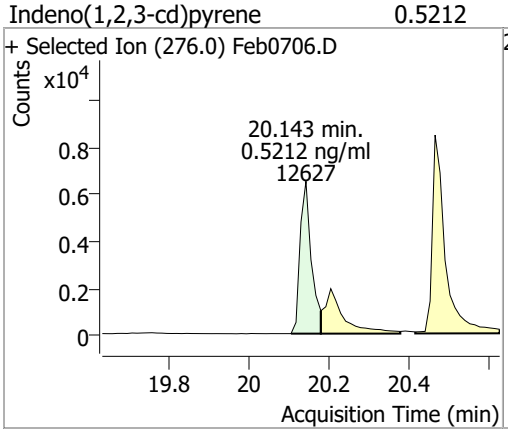
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	0.5380	18.28	0.00	14919	253.0	22.4	16.8	31.2

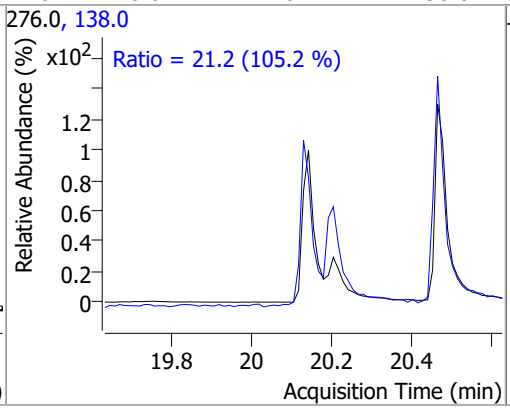


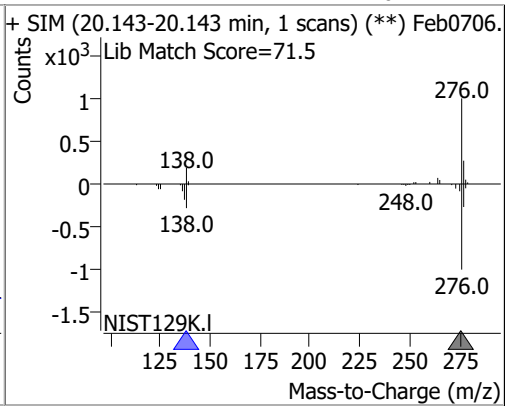




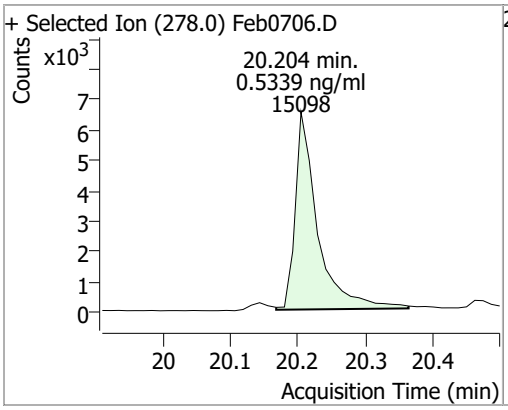
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	0.5212	20.14	0.01	12627	138.0	21.2	14.1	26.2

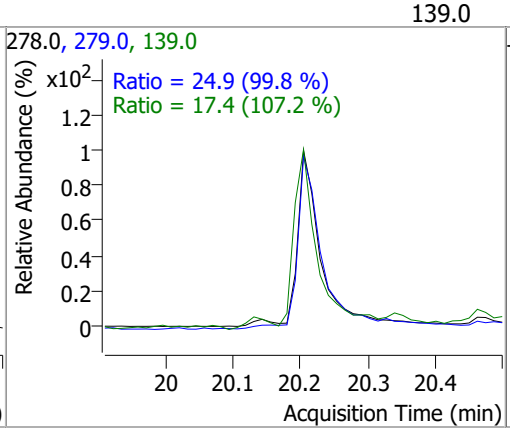


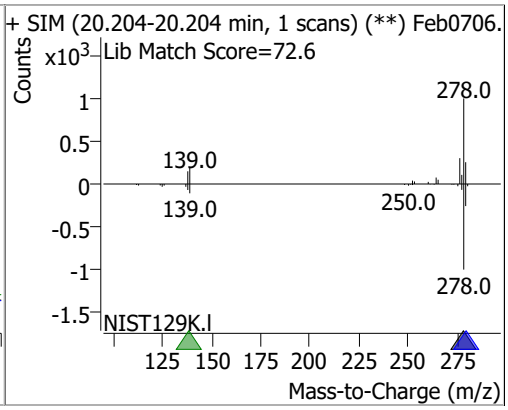




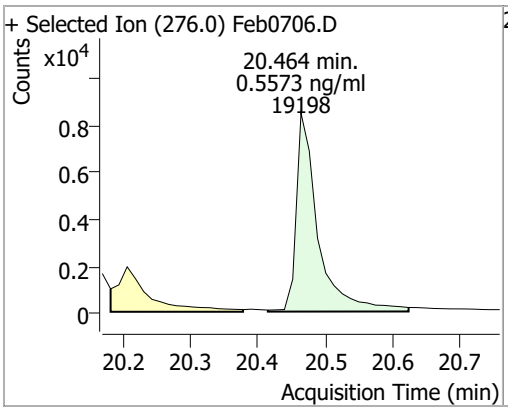
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	0.5339	20.20	0.00	15098	279.0	24.9	17.4	32.4
					139.0	17.4	11.4	21.1

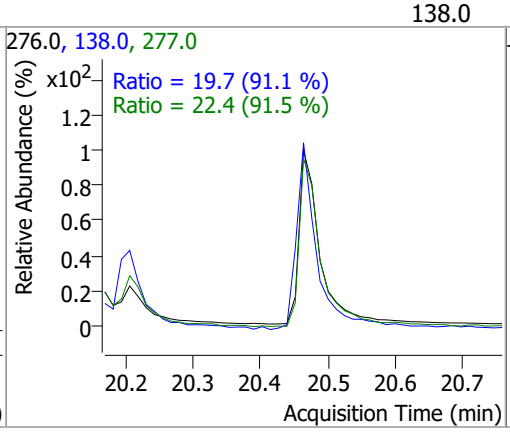


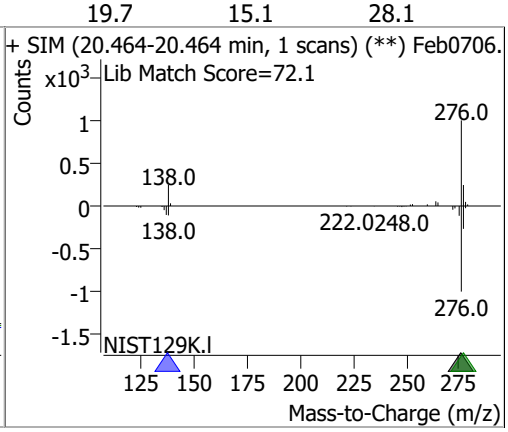




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	0.5573	20.46	0.00	19198	277.0	22.4	17.2	31.9
					138.0	19.7	15.1	28.1

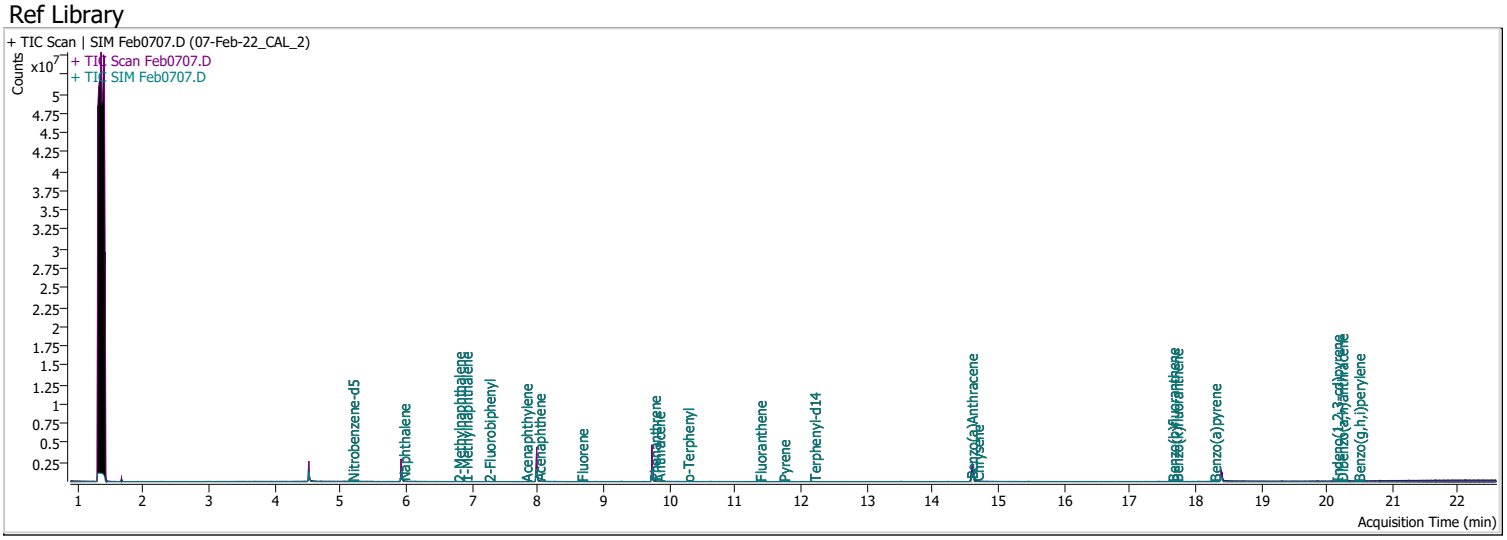






Quantitation Results Report (QT Reviewed)

Data File	Feb0707.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 6:24:31 PM
Sample Name	07-Feb-22_CAL_2	Instrument	GCMS
Vial	7	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

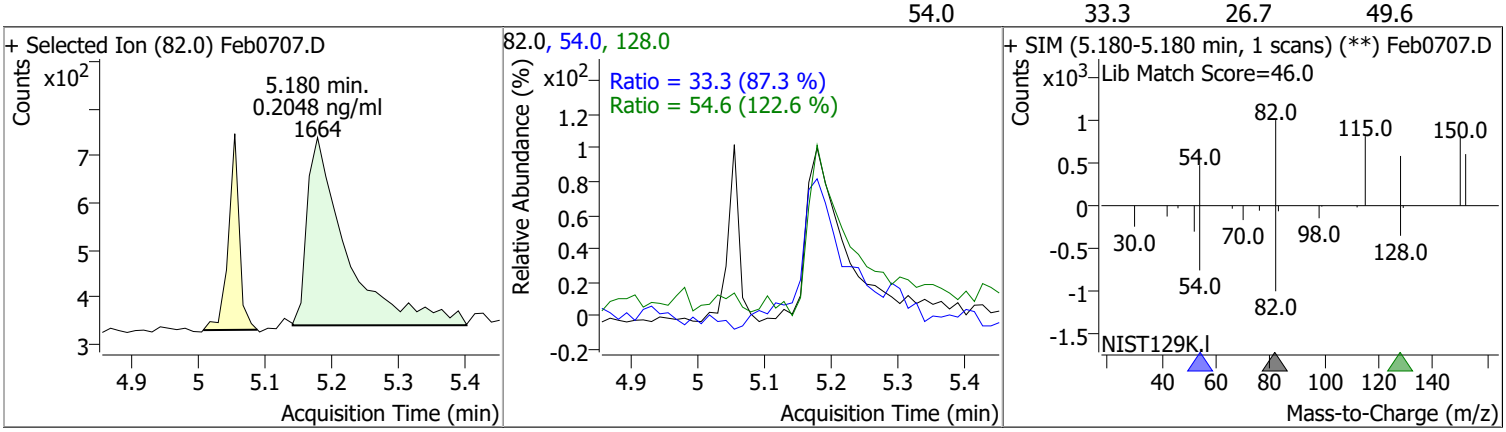


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	407495	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1506287	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.988	164.0	1013669	40.0000	ng/ml		0.012
M Phenanthrene-d10	9.743	188.0	1890759	40.0000	ng/ml		0.012
M Chrysene-d12	14.614	240.0	1492991	40.0000	ng/ml		0.000
M Perylene-d12	18.400	264.0	861952	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.180	82.0	1664	0.2048	ng/ml		0.025
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 4.10%		*	
S 2-Fluorobiphenyl	7.252	172.0	7506	0.2028	ng/ml		0.012
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 4.06%		*	
S o-Terphenyl	10.274	230.0	7450	0.1985	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 3.97%		*	
S Terphenyl-d14	12.201	244.0	7683	0.1898	ng/ml		0.024
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 3.80%		*	
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	9860	0.1865	ng/ml		91
T 2-Methylnaphthalene	6.790	141.0	5790	0.1864	ng/ml		92
T 1-Methylnaphthalene	6.902	141.0	6437	0.1812	ng/ml		92
T Acenaphthylene	7.813	152.0	7325	0.1885	ng/ml		99
T Acenaphthene	8.013	154.0	7429	0.1924	ng/ml	m	97
T Fluorene	8.661	166.0	8183	0.2026	ng/ml		99
T Phenanthrene	9.768	178.0	12935	0.1987	ng/ml		100
T Anthracene	9.830	178.0	10131	0.2010	ng/ml		99
T Fluoranthene	11.374	202.0	10718	0.1912	ng/ml		99
T Pyrene	11.732	202.0	12264	0.1866	ng/ml		99
T Benzo(a)Anthracene	14.589	228.0	12989	0.1977	ng/ml		94
T Chrysene	14.676	228.0	13359	0.2099	ng/ml		97
T Benzo(b)fluoranthene	17.647	252.0	6604	0.1936	ng/ml		95

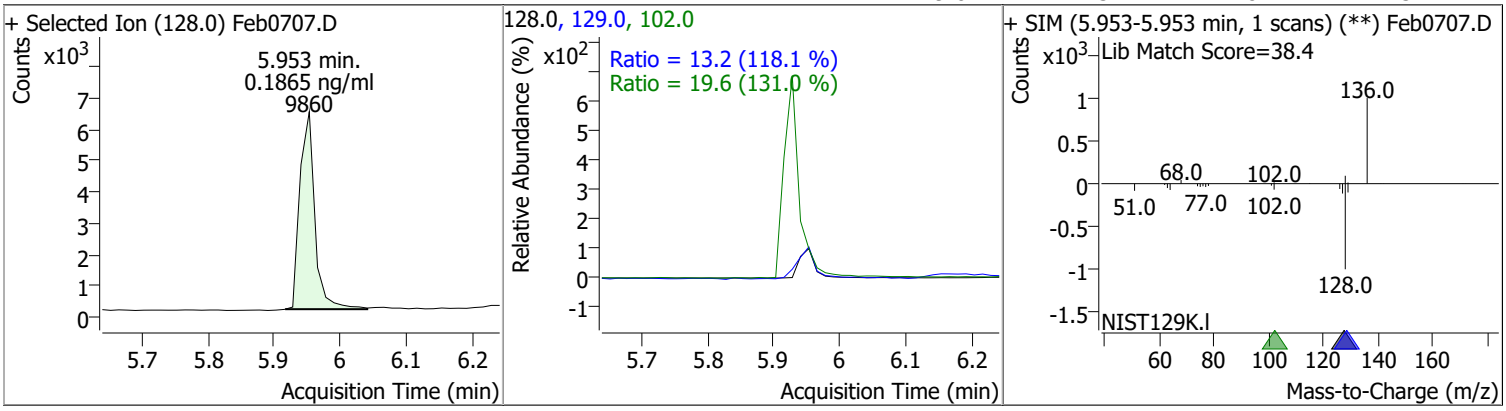
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.708	252.0	9883	0.2168	ng/ml	94
T Benzo(a)pyrene	18.289	252.0	6086	0.1904	ng/ml	95
T Indeno(1,2,3-cd)pyrene	20.142	276.0	5243	0.1947	ng/ml	99
T Dibenzo(a,h)anthracene	20.217	278.0	6541	0.1973	ng/ml	98
T Benzo(g,h,i)perylene	20.476	276.0	7864	0.1892	ng/ml	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

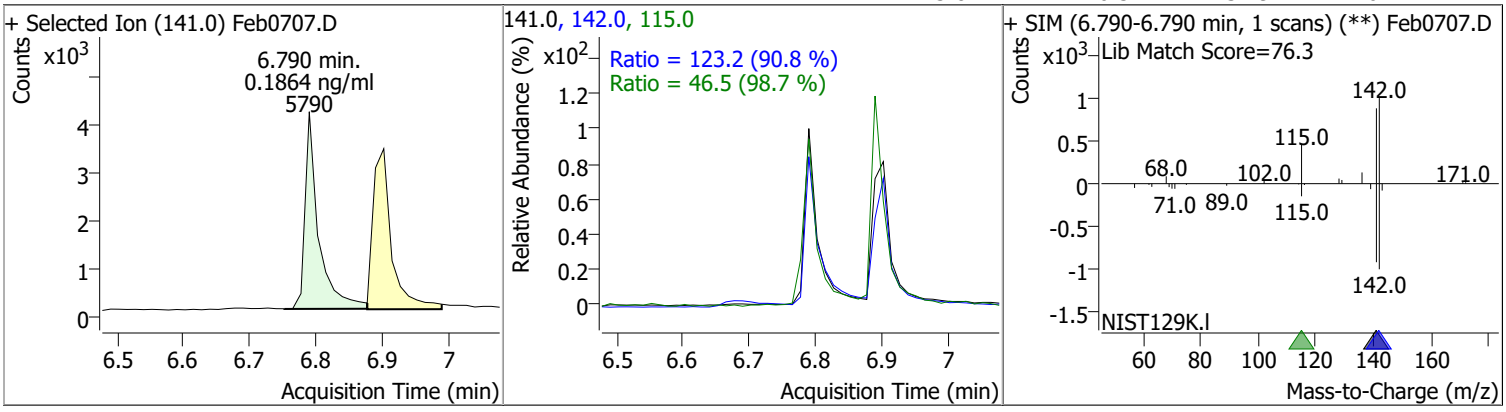
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	0.2048	5.18	0.02	1664	128.0	54.6	31.2	57.9
					54.0	33.3	26.7	49.6



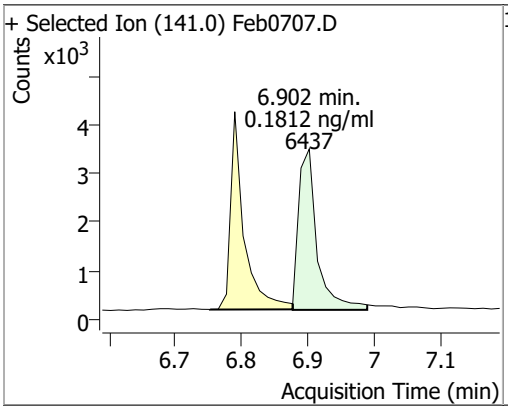
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	0.1865	5.95	0.01	9860	102.0	19.6	0.0	45.0
					129.0	13.2	7.8	14.5

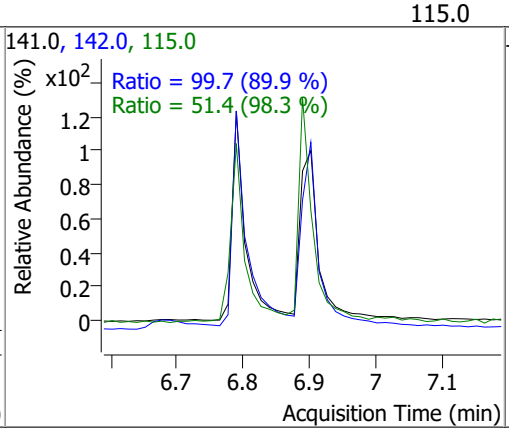


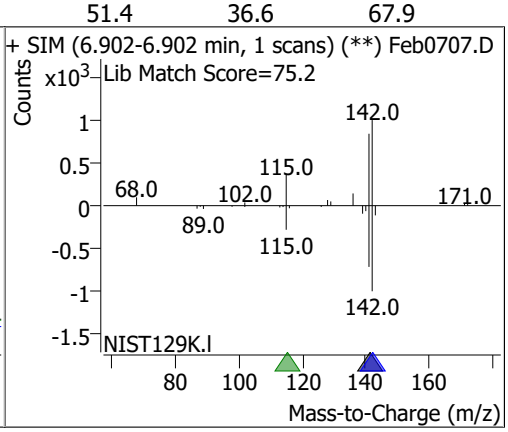
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	0.1864	6.79	0.01	5790	142.0	123.2	95.0	176.4
					115.0	46.5	32.9	61.2



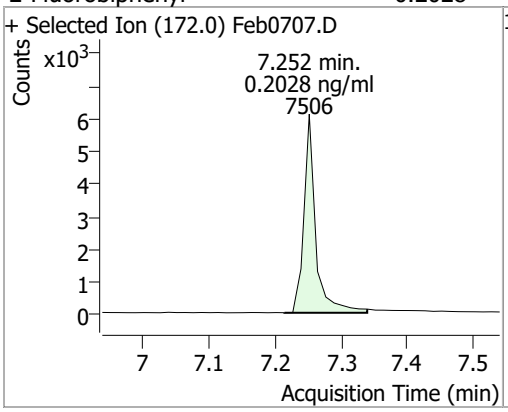
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	0.1812	6.90	0.01	6437	142.0	99.7	77.7	144.2
					115.0	51.4	36.6	67.9

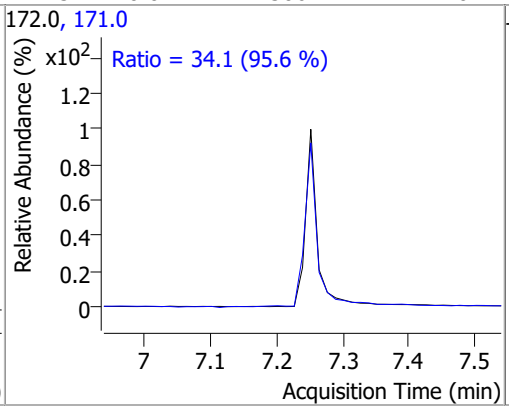


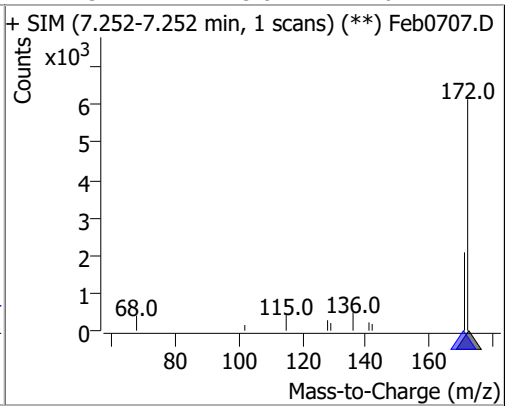




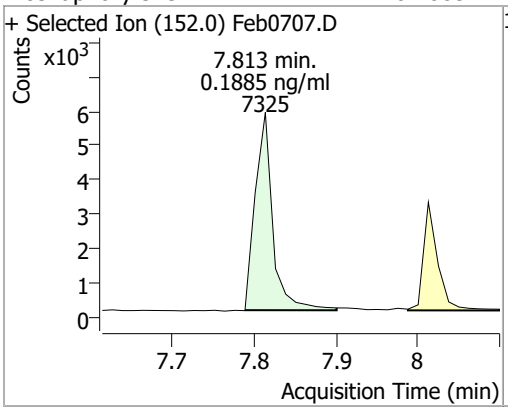
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	0.2028	7.25	0.01	7506	171.0	34.1	25.0	46.4

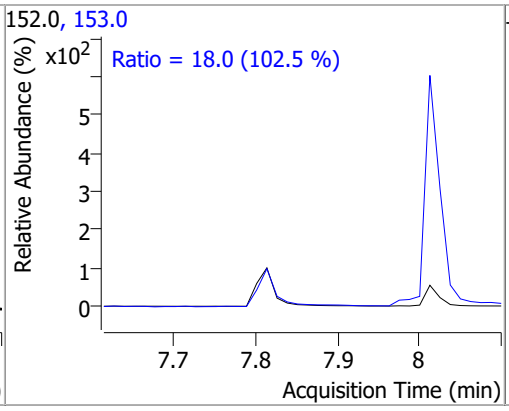


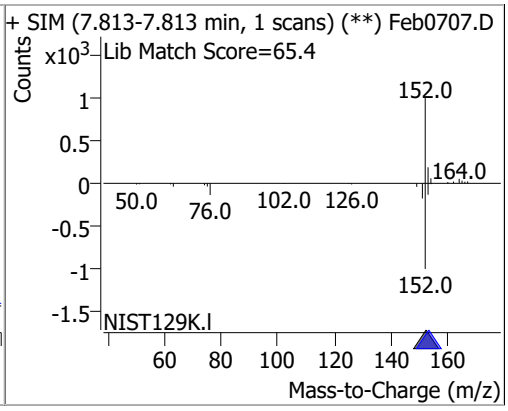




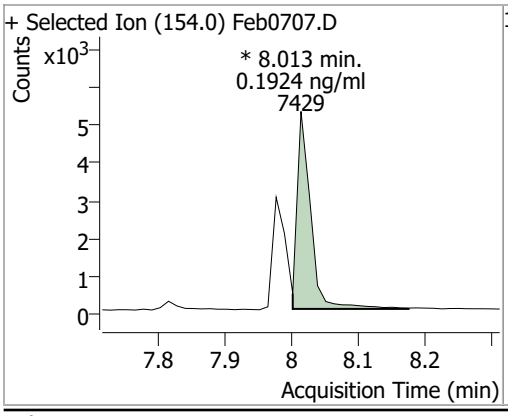
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	0.1885	7.81	0.01	7325	153.0	18.0	12.3	22.9

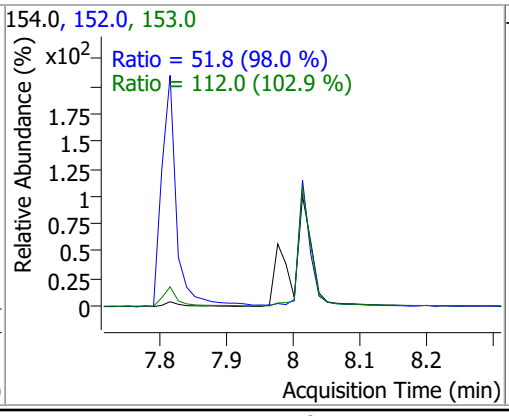


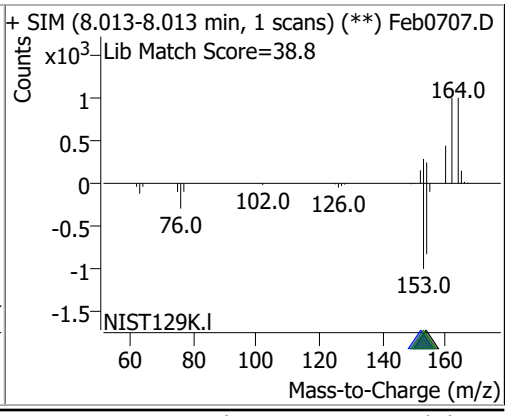




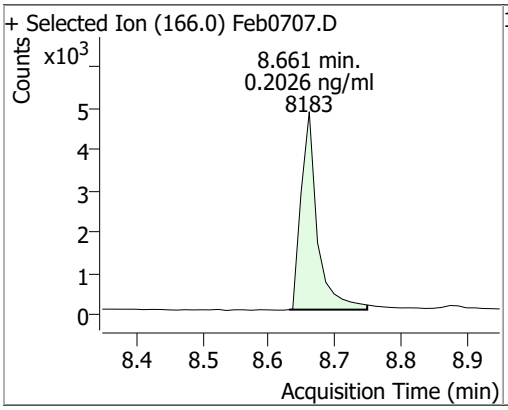
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	0.1924	8.01	0.00	7429 (m)	153.0	112.0	76.2	141.5
					152.0	51.8	37.0	68.7

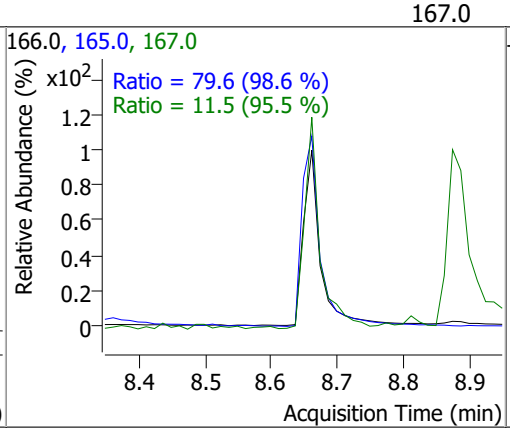


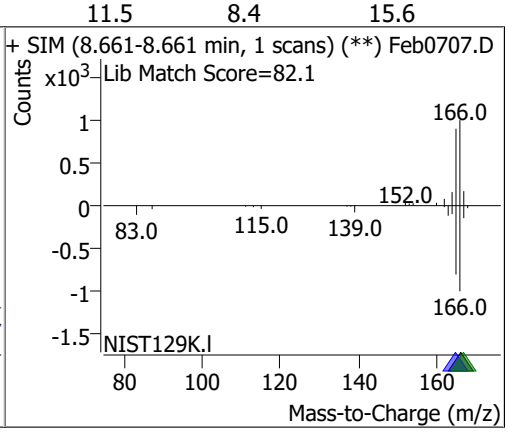




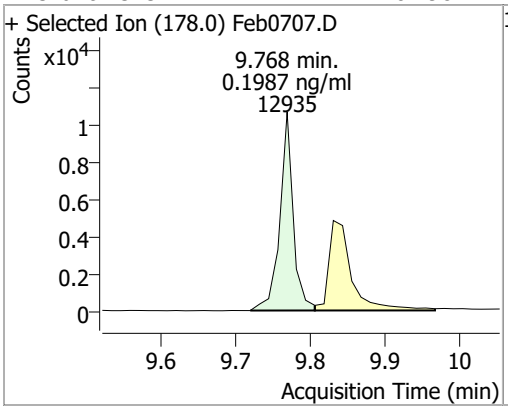
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	0.2026	8.66	0.01	8183	165.0	79.6	56.5	104.9
					167.0	11.5	8.4	15.6

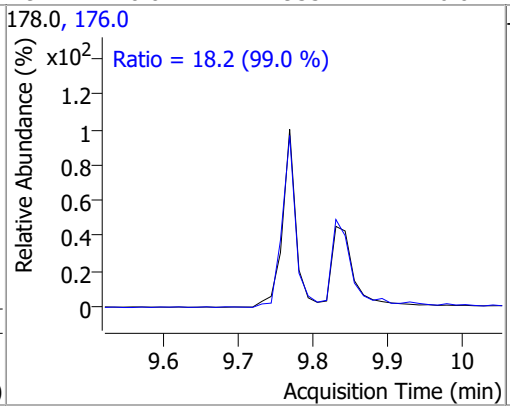


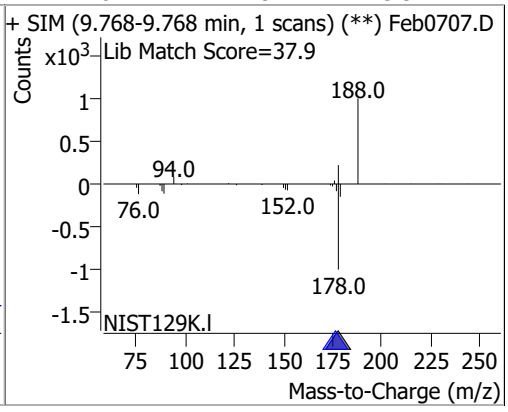




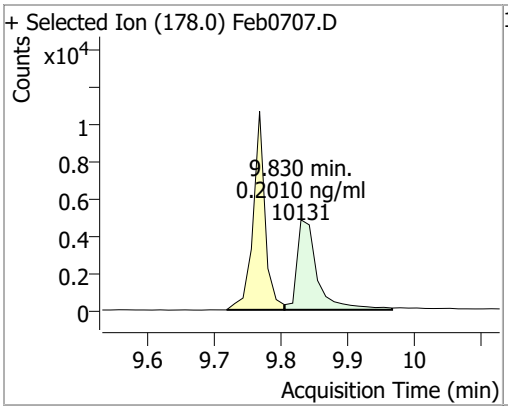
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	0.1987	9.77	0.01	12935	176.0	18.2	12.9	23.9

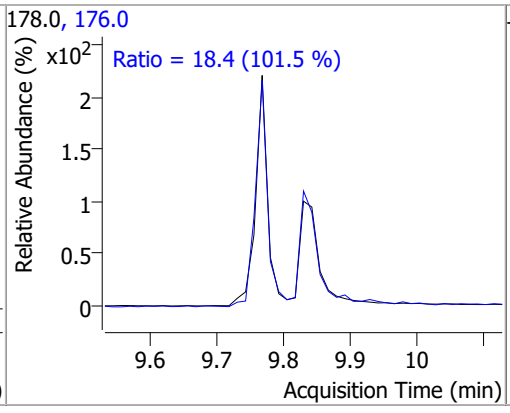


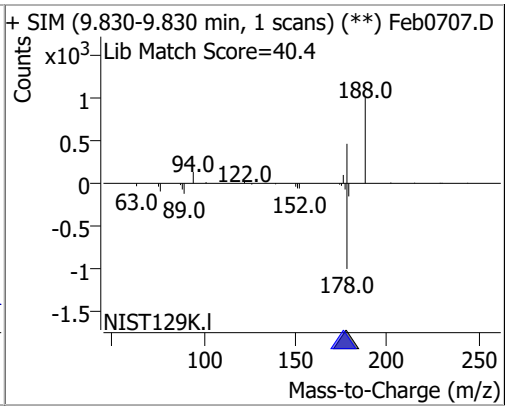




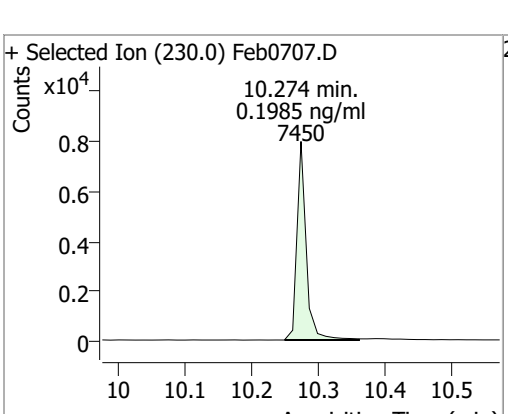
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	0.2010	9.83	0.00	10131	176.0	18.4	12.7	23.6

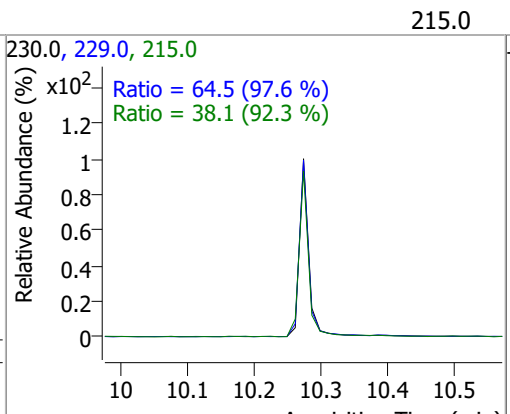


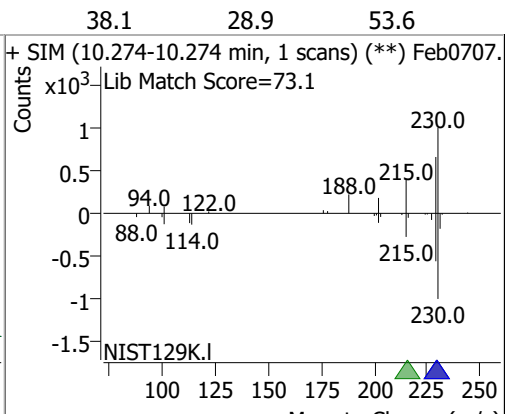




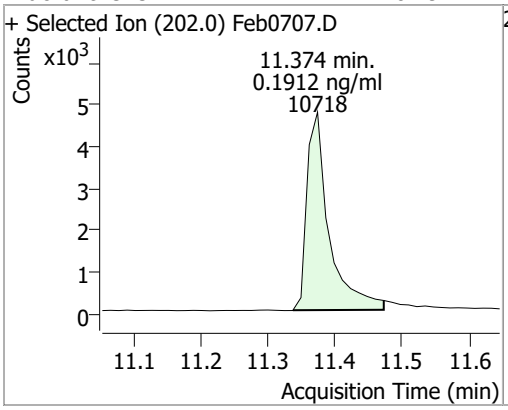
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.1985	10.27	0.00	7450	229.0	64.5	46.3	85.9
					215.0	38.1	28.9	53.6

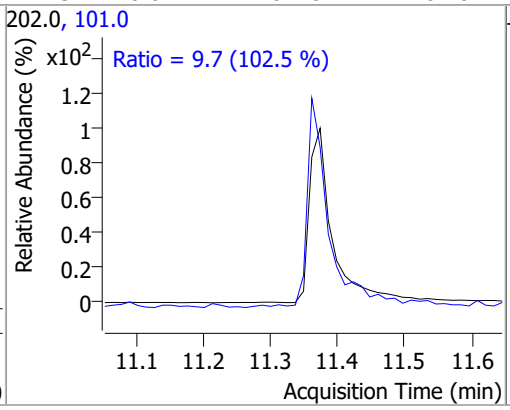


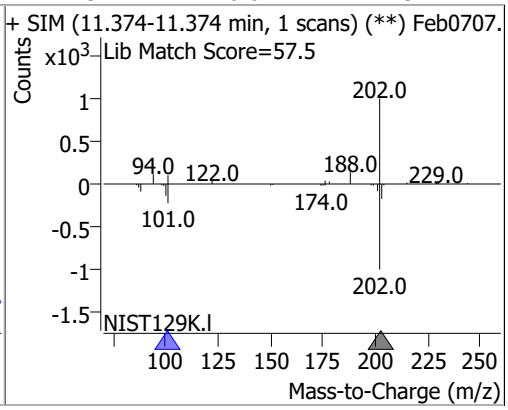




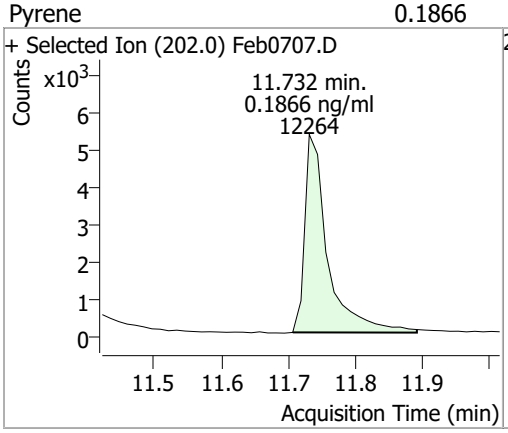
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	0.1912	11.37	0.02	10718	101.0	9.7	6.6	12.3

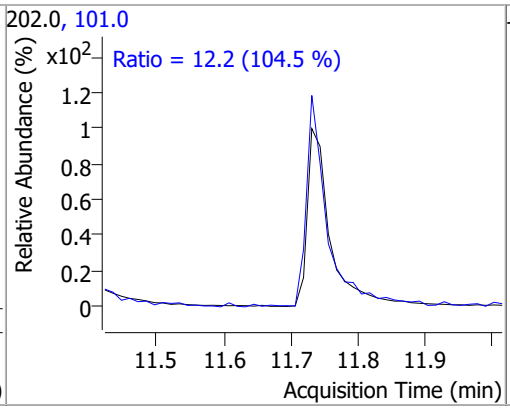


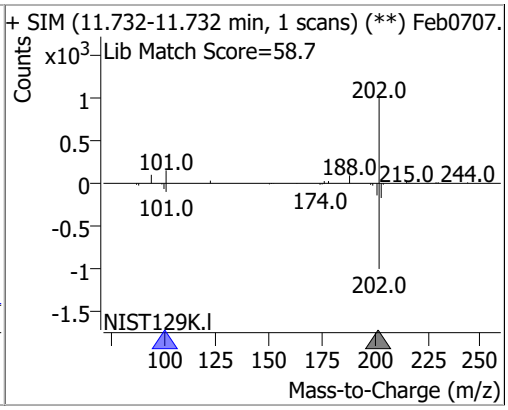




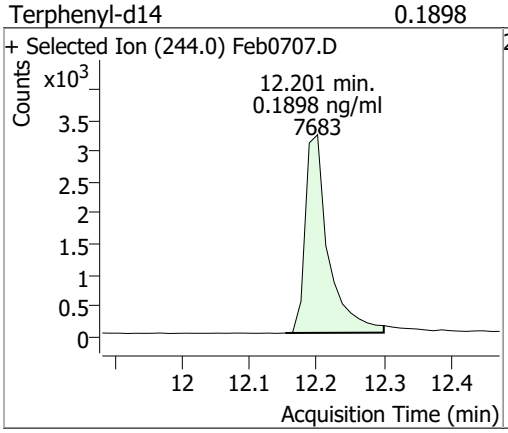
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	0.1866	11.73	0.01	12264	101.0	12.2	8.2	15.2

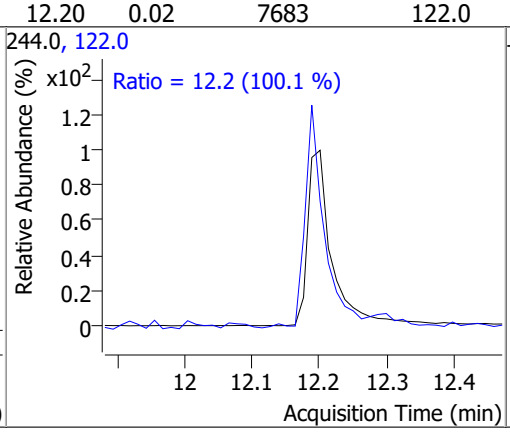


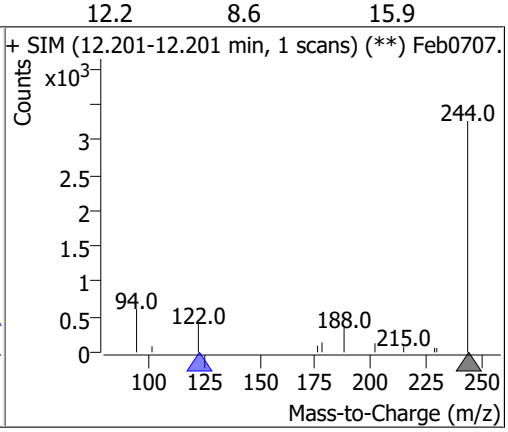




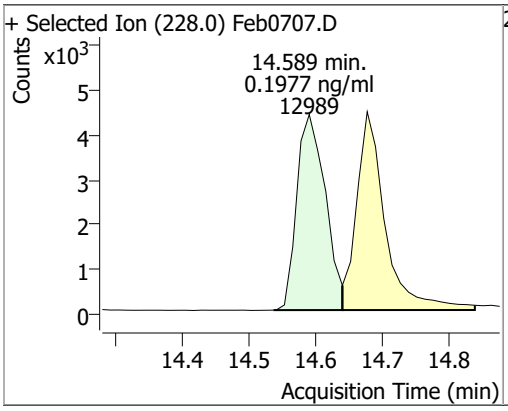
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	0.1898	12.20	0.02	7683	122.0	12.2	8.6	15.9

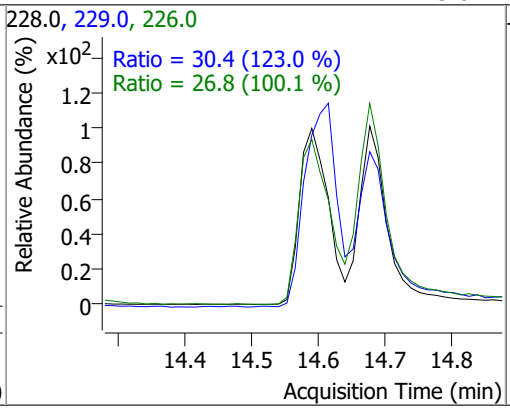


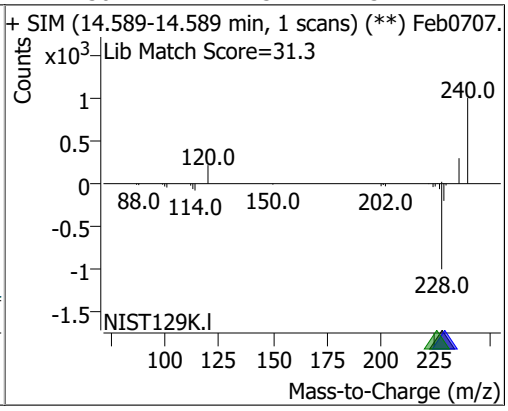




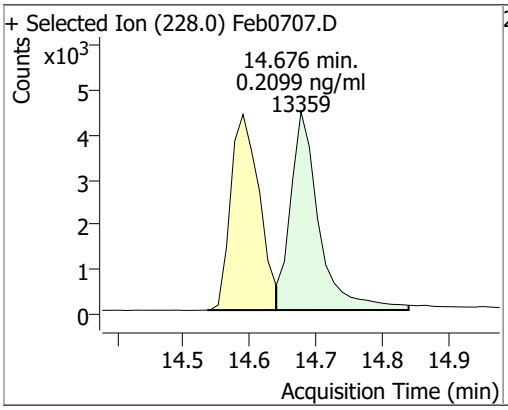
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	0.1977	14.59	0.01	12989	226.0	26.8	18.7	34.8
					229.0	30.4	17.3	32.1

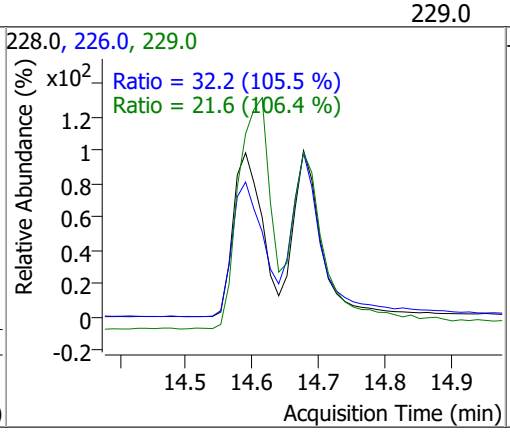


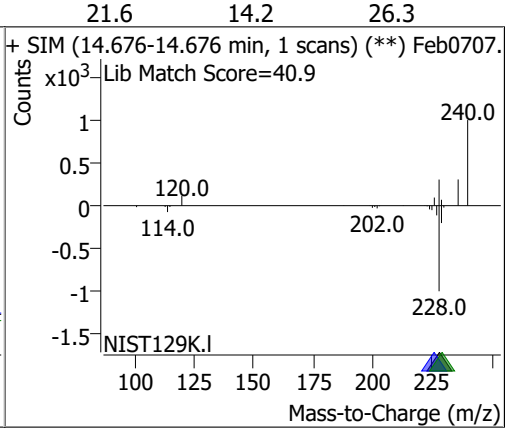




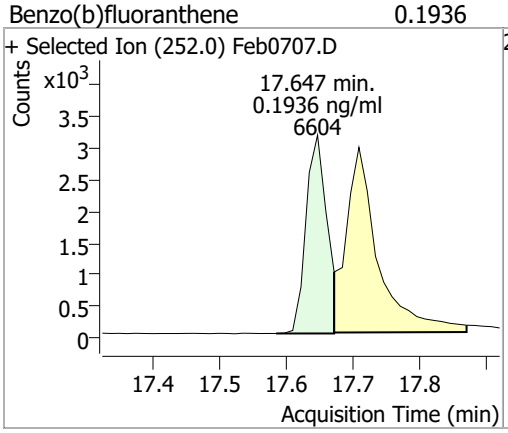
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	0.2099	14.68	0.00	13359	226.0	32.2	21.4	39.7
					229.0	21.6	14.2	26.3

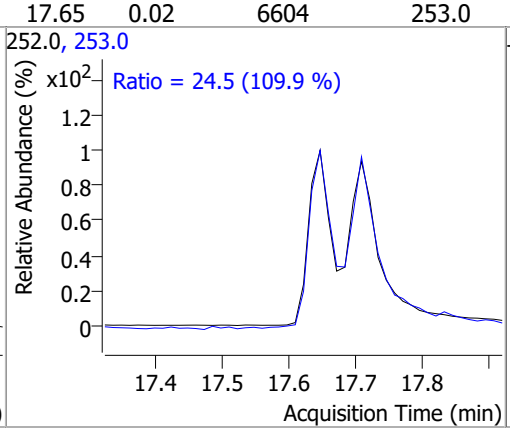


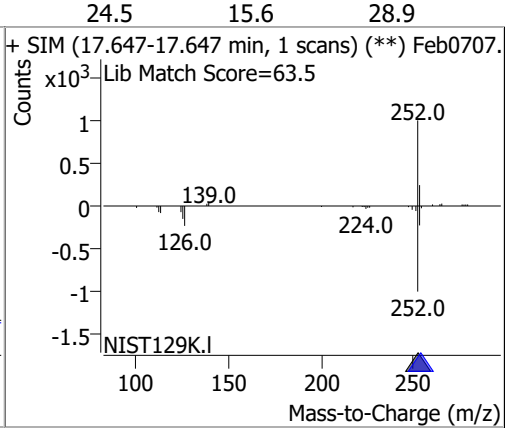




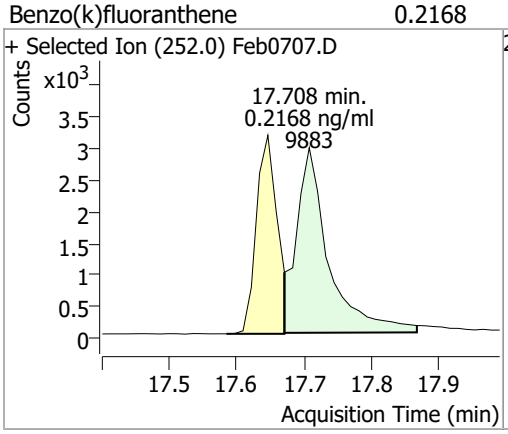
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	0.1936	17.65	0.02	6604	253.0	24.5	15.6	28.9

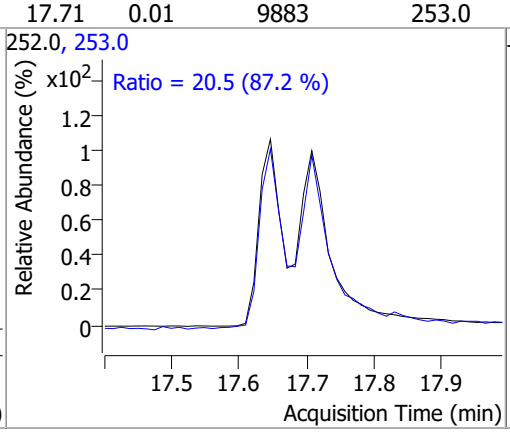


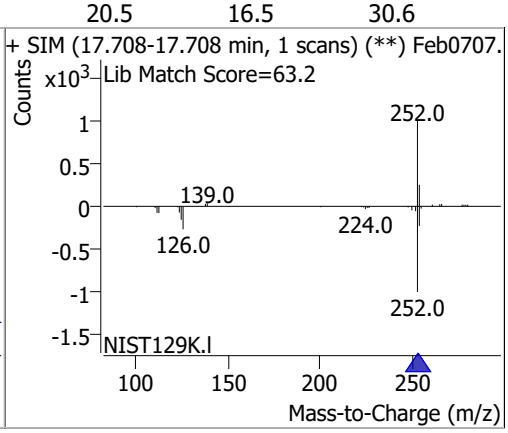




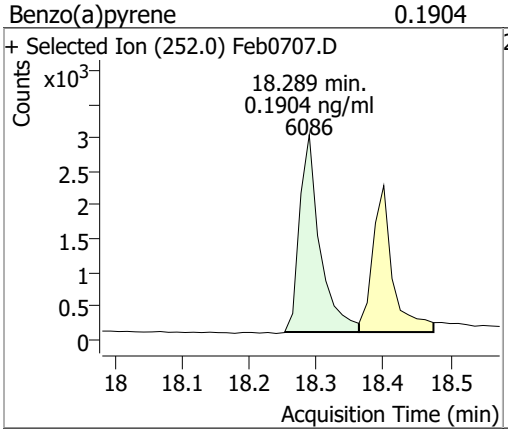
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	0.2168	17.71	0.01	9883	253.0	20.5	16.5	30.6

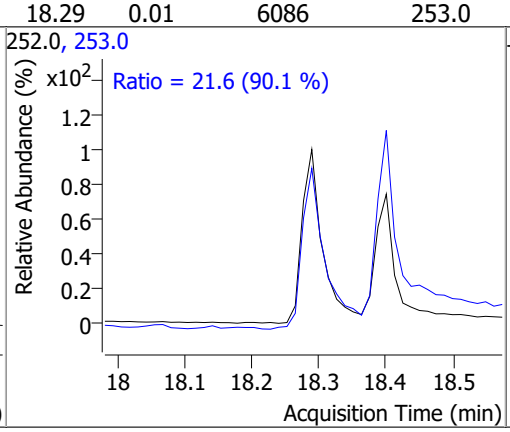


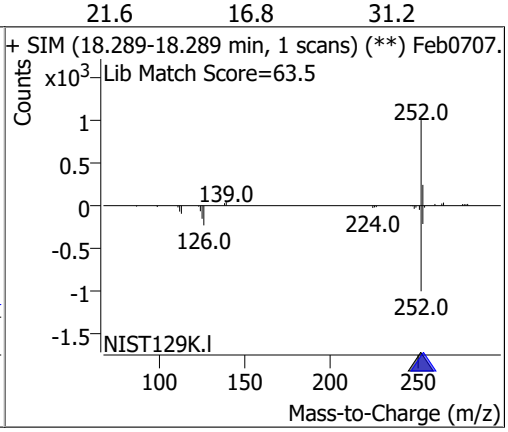




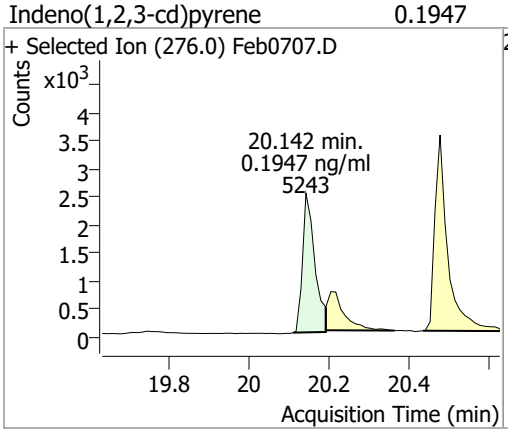
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	0.1904	18.29	0.01	6086	253.0	21.6	16.8	31.2

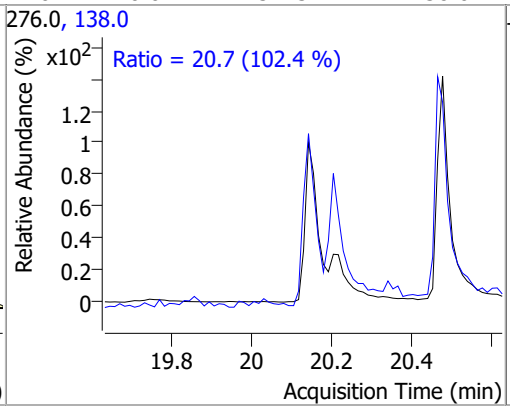


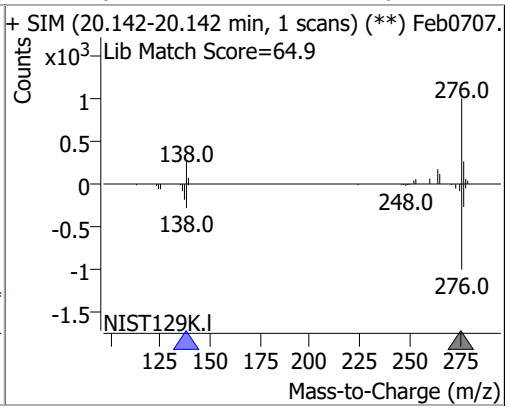




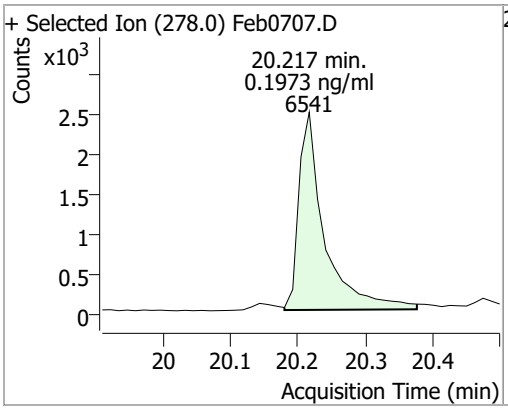
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	0.1947	20.14	0.01	5243	138.0	20.7	14.1	26.2

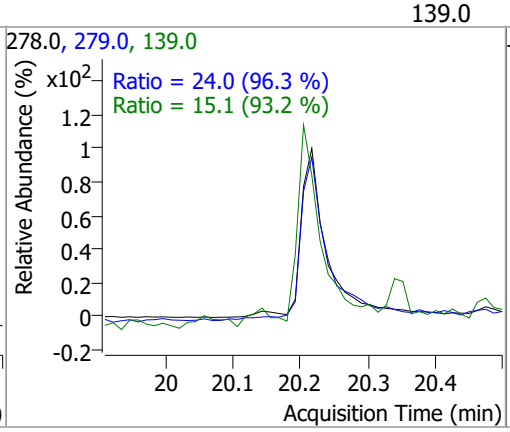


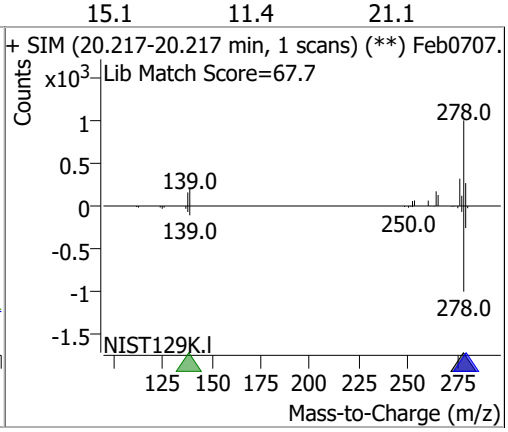




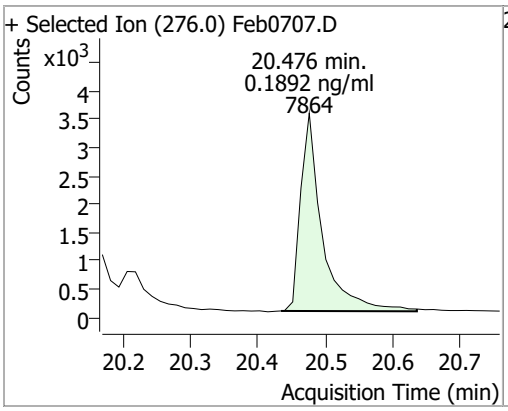
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	0.1973	20.22	0.01	6541	279.0	24.0	17.4	32.4
					139.0	15.1	11.4	21.1

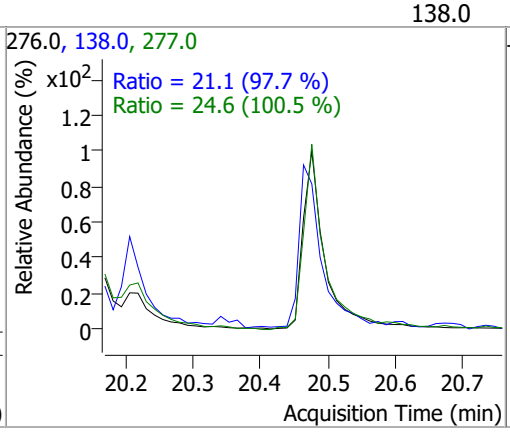


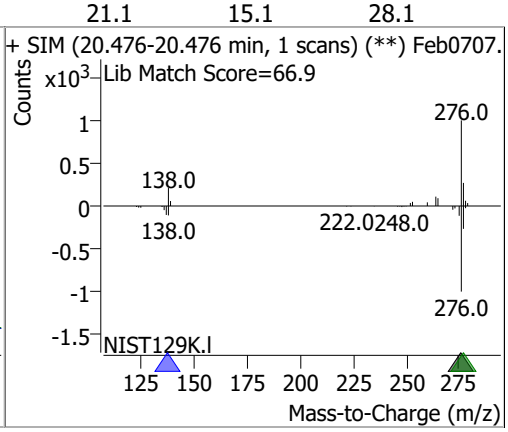




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	0.1892	20.48	0.01	7864	277.0	24.6	17.2	31.9
					138.0	21.1	15.1	28.1

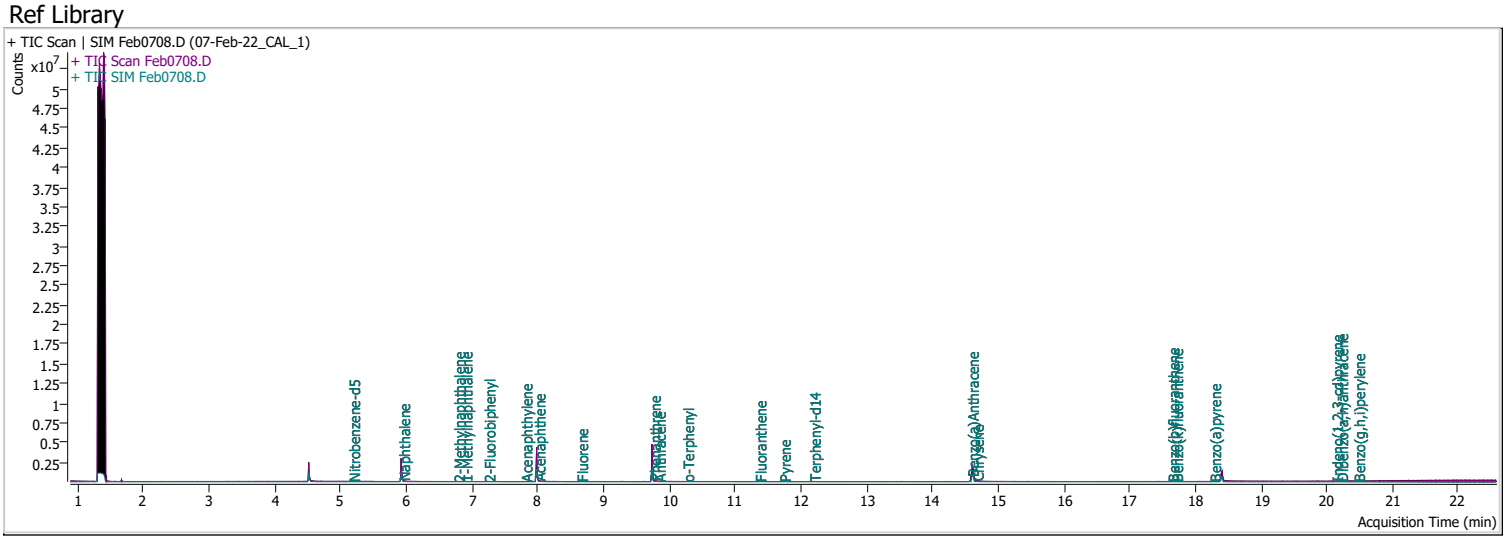






Quantitation Results Report (QT Reviewed)

Data File	Feb0708.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 6:57:09 PM
Sample Name	07-Feb-22_CAL_1	Instrument	GCMS
Vial	8	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

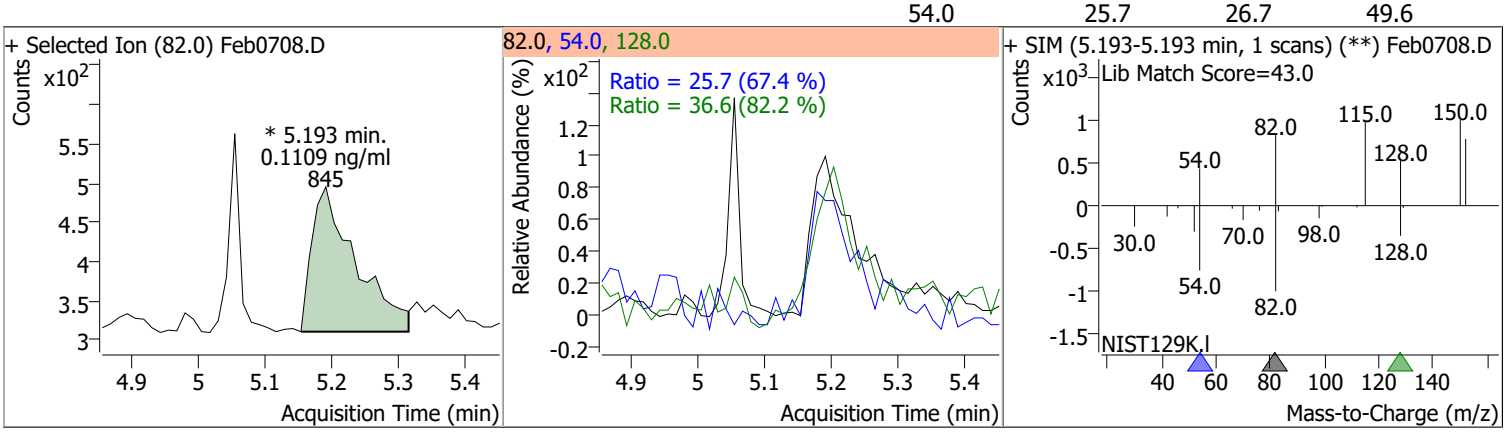


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	382175	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1324429	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.988	164.0	973397	40.0000	ng/ml		0.012
M Phenanthrene-d10	9.743	188.0	1856879	40.0000	ng/ml		0.012
M Chrysene-d12	14.614	240.0	1454689	40.0000	ng/ml		0.000
M Perylene-d12	18.400	264.0	835917	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.193	82.0	845	0.1109	ng/ml	#m	0.037
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 2.22%		*	
S 2-Fluorobiphenyl	7.252	172.0	4242	0.1047	ng/ml		0.012
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 2.09%		*	
S o-Terphenyl	10.274	230.0	4485	0.0841	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 1.68%		*	
S Terphenyl-d14	12.201	244.0	4881	0.1005	ng/ml		0.025
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 2.01%		*	
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	5753	0.1006	ng/ml	#	1
T 2-Methylnaphthalene	6.790	141.0	3289	0.0982	ng/ml		96
T 1-Methylnaphthalene	6.902	141.0	3874	0.1024	ng/ml		90
T Acenaphthylene	7.814	152.0	4194	0.1124	ng/ml		94
T Acenaphthene	8.013	154.0	4718	0.1003	ng/ml	m	95
T Fluorene	8.661	166.0	4449	0.0921	ng/ml		80
T Phenanthrene	9.768	178.0	8109	0.0972	ng/ml		97
T Anthracene	9.842	178.0	5930	0.0861	ng/ml		96
T Fluoranthene	11.374	202.0	6574	0.0993	ng/ml		96
T Pyrene	11.744	202.0	7955	0.1010	ng/ml		99
T Benzo(a)Anthracene	14.602	228.0	9432	0.0926	ng/ml	#	91
T Chrysene	14.677	228.0	7426	0.0862	ng/ml	#	86
T Benzo(b)fluoranthene	17.647	252.0	3848	0.0995	ng/ml		97

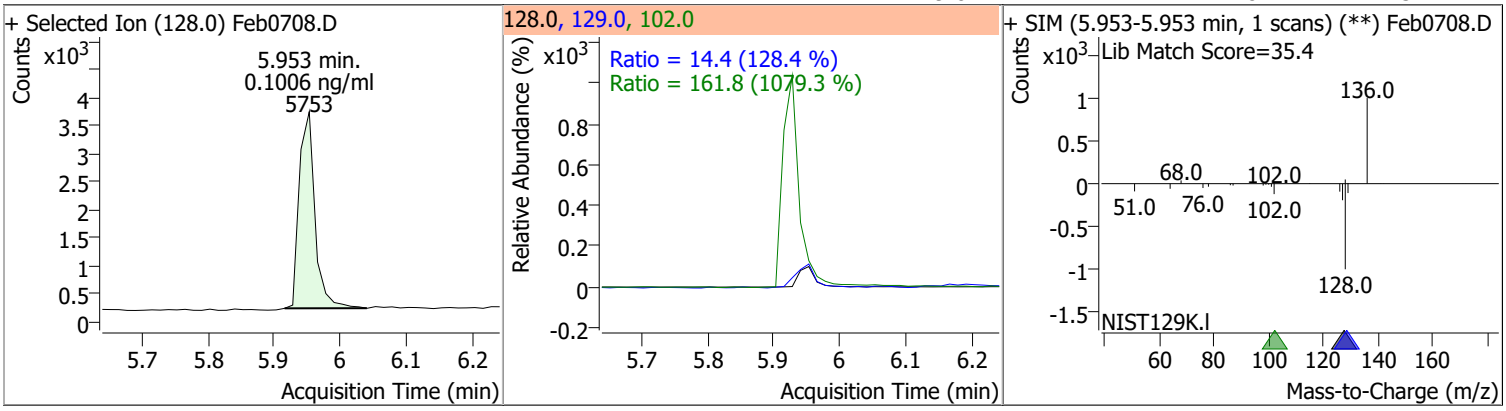
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	17.709	252.0	5460	0.0849	ng/ml	m	98
T Benzo(a)pyrene	18.289	252.0	3747	0.1001	ng/ml		90
T Indeno(1,2,3-cd)pyrene	20.143	276.0	3086	0.1006	ng/ml	m	98
T Dibenzo(a,h)anthracene	20.217	278.0	3884	0.0940	ng/ml		97
T Benzo(g,h,i)perylene	20.476	276.0	4892	0.0946	ng/ml		98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

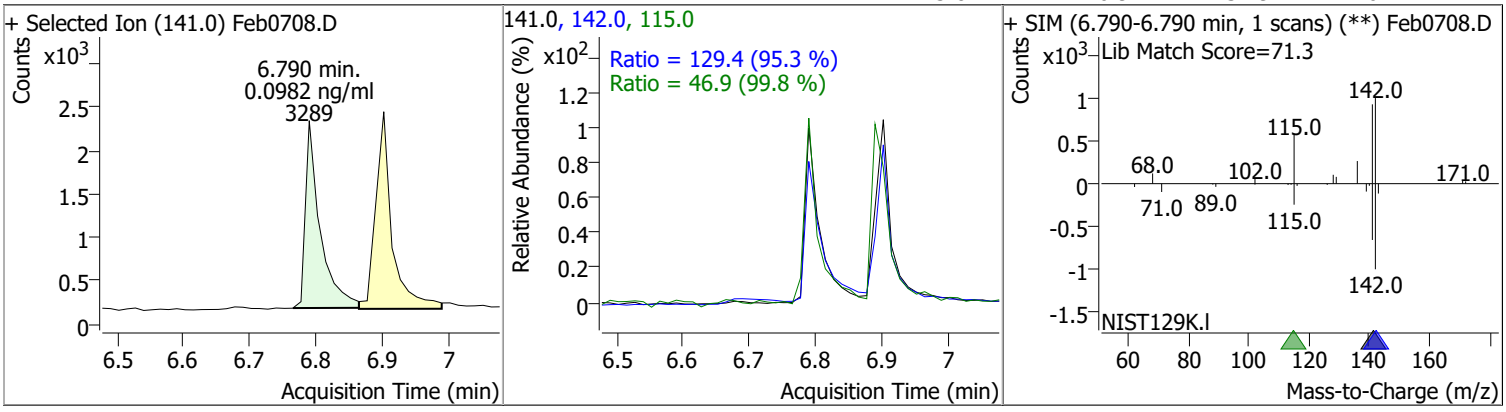
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	0.1109	5.19	0.04	845 (m)	128.0	36.6	31.2	57.9
					54.0	25.7	26.7	49.6



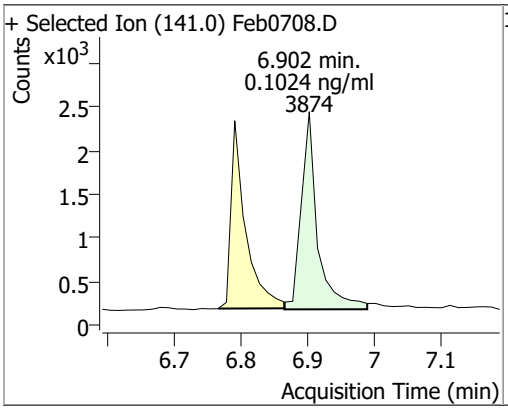
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	0.1006	5.95	0.01	5753	102.0	161.8	0.0	45.0
					129.0	14.4	7.8	14.5

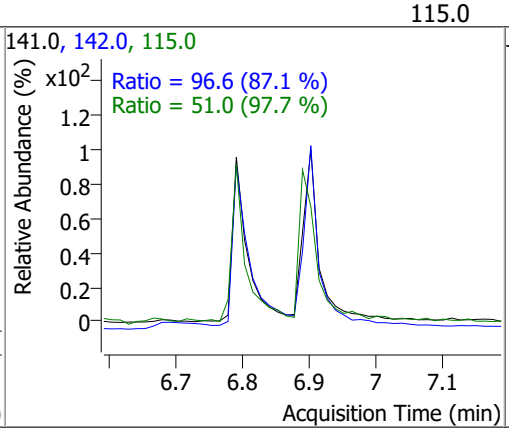


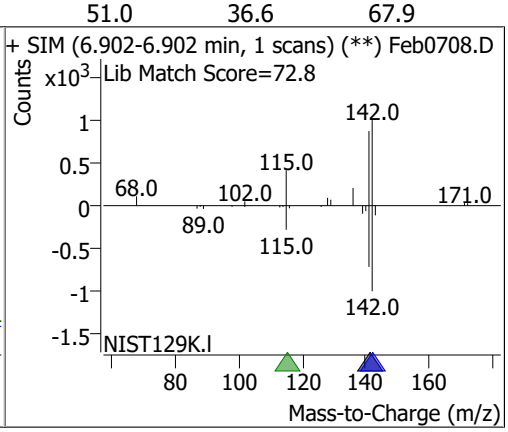
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	0.0982	6.79	0.01	3289	142.0	129.4	95.0	176.4
					115.0	46.9	32.9	61.2



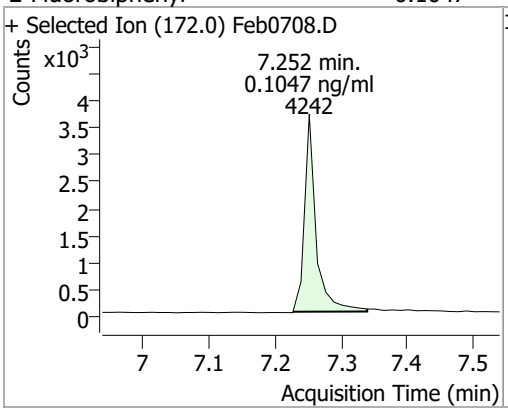
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	0.1024	6.90	0.01	3874	142.0	96.6	77.7	144.2
					115.0	51.0	36.6	67.9

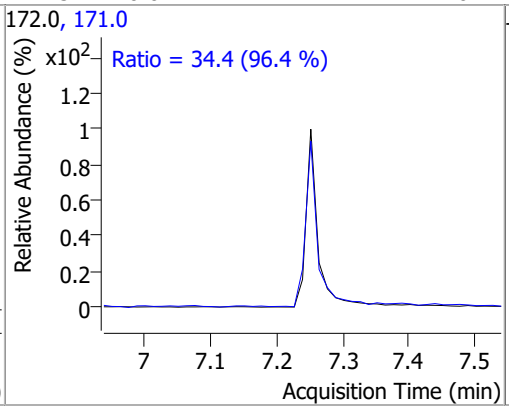


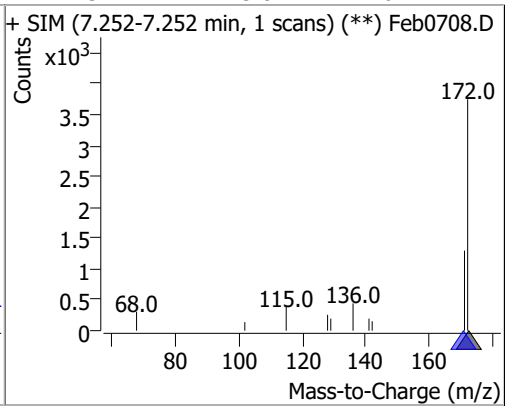




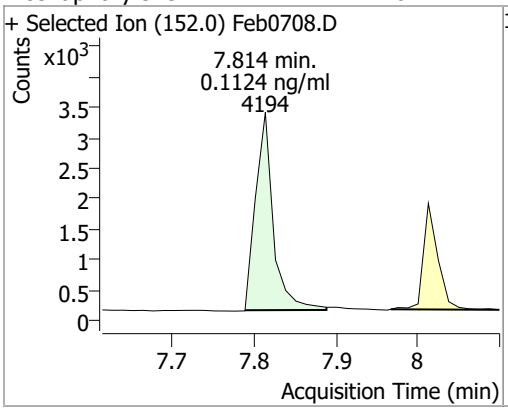
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	0.1047	7.25	0.01	4242	171.0	34.4	25.0	46.4

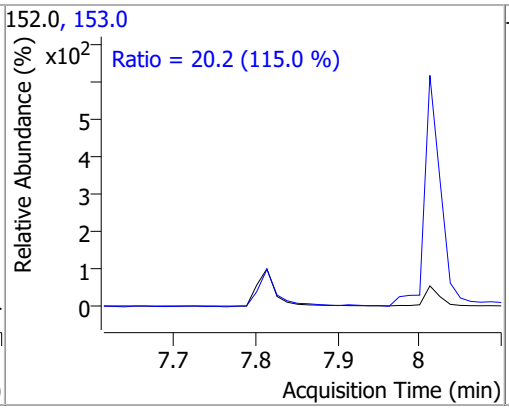


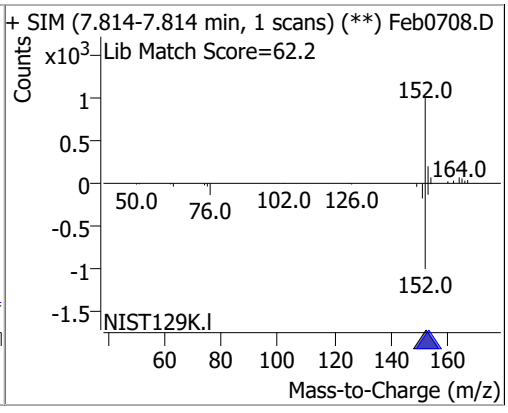




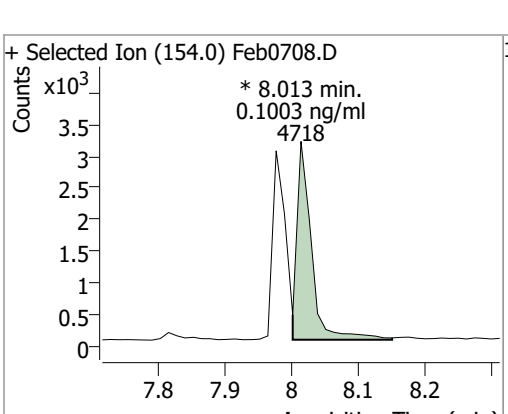
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	0.1124	7.81	0.01	4194	153.0	20.2	12.3	22.9

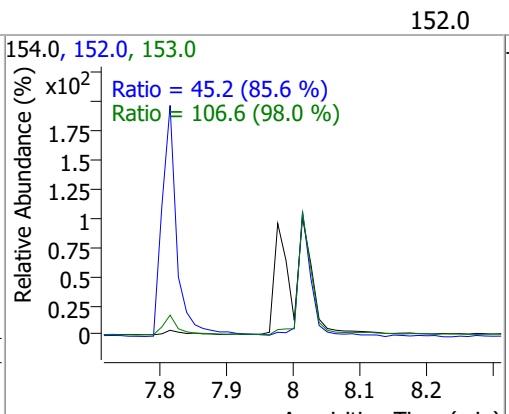


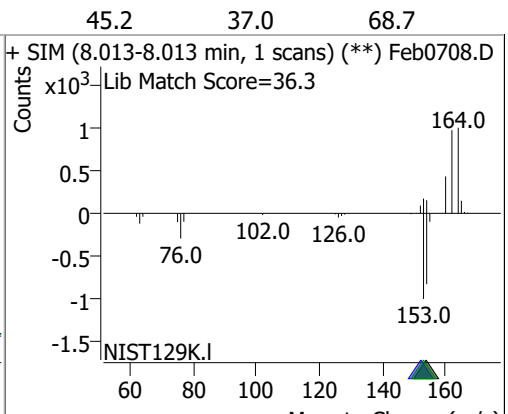




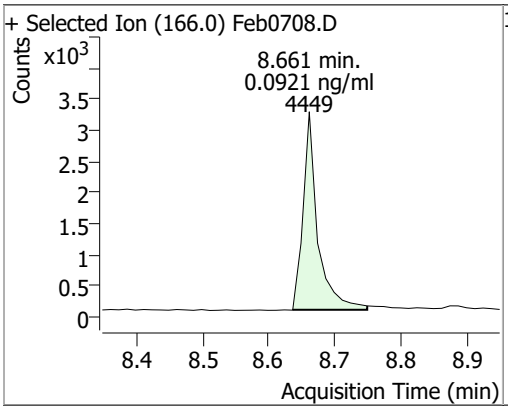
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	0.1003	8.01	0.00	4718 (m)	153.0	106.6	76.2	141.5
					152.0	45.2	37.0	68.7

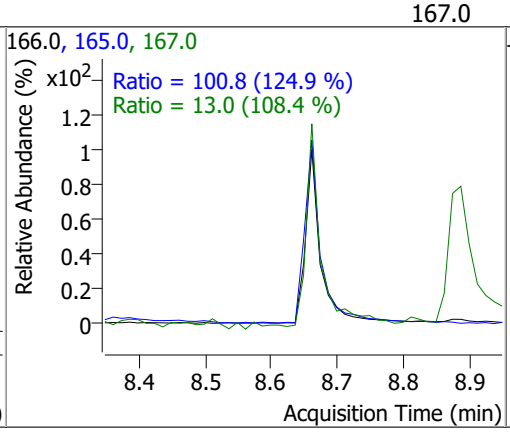


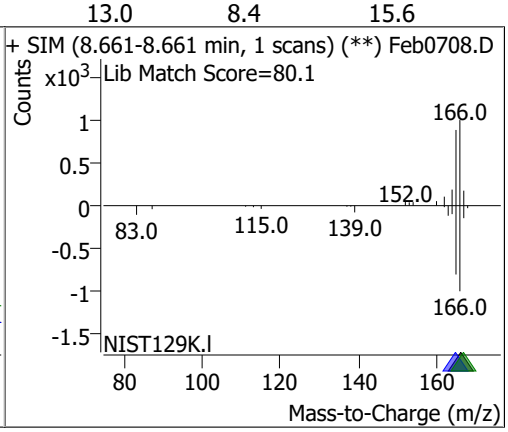




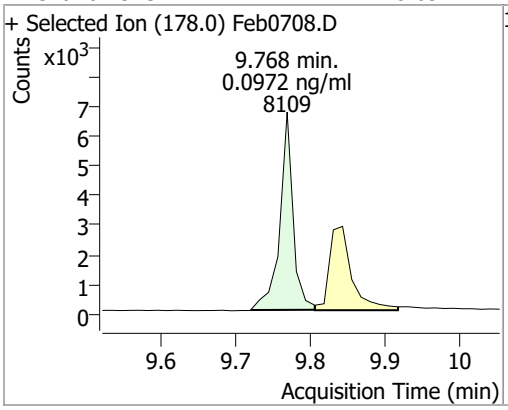
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	0.0921	8.66	0.01	4449	165.0	100.8	56.5	104.9
					167.0	13.0	8.4	15.6

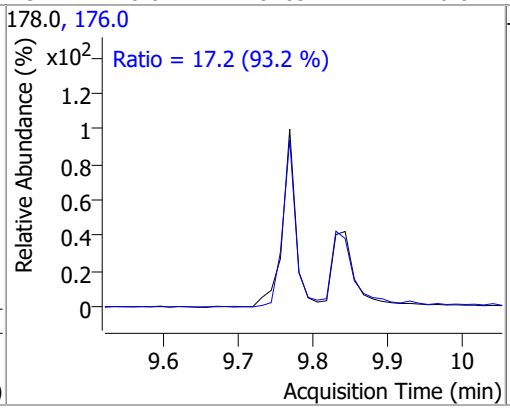


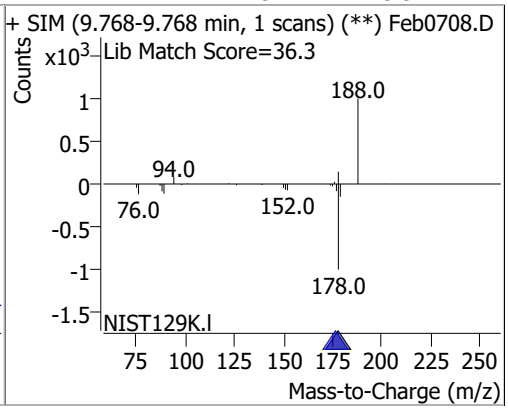




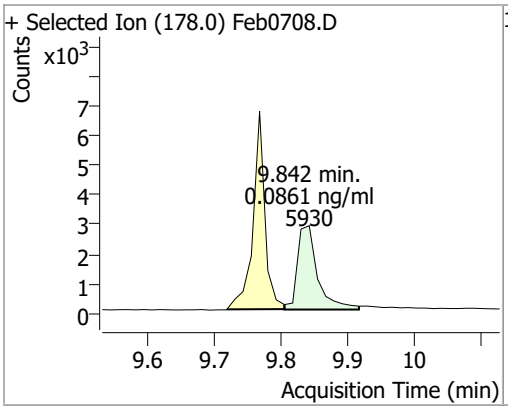
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	0.0972	9.77	0.01	8109	176.0	17.2	12.9	23.9

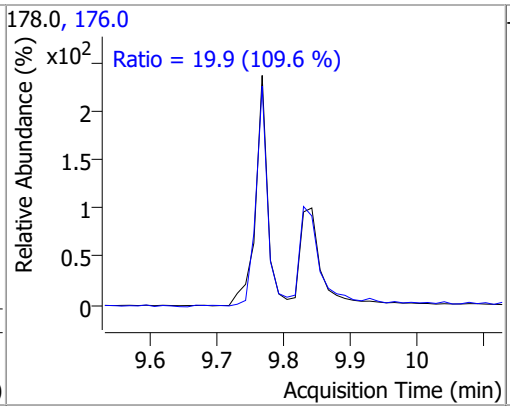


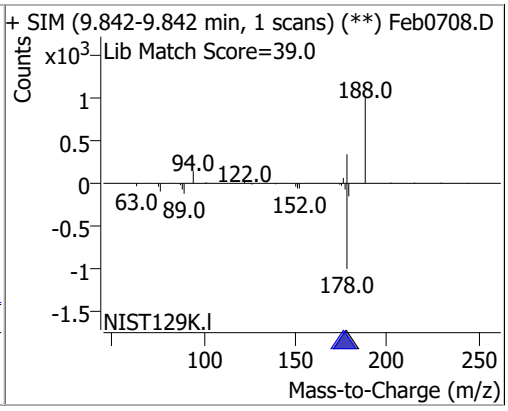




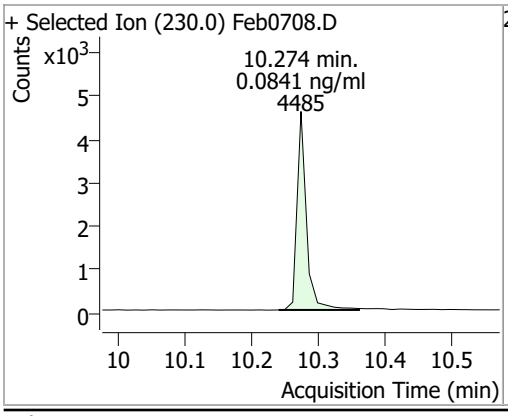
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	0.0861	9.84	0.01	5930	176.0	19.9	12.7	23.6

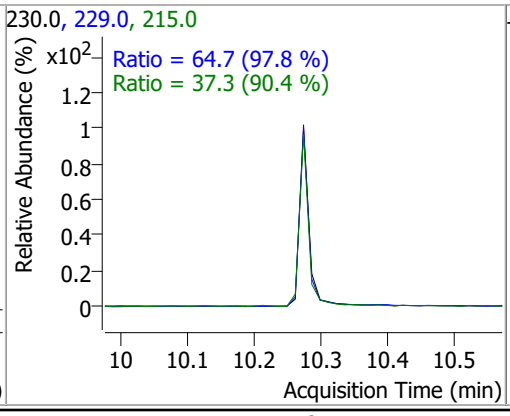


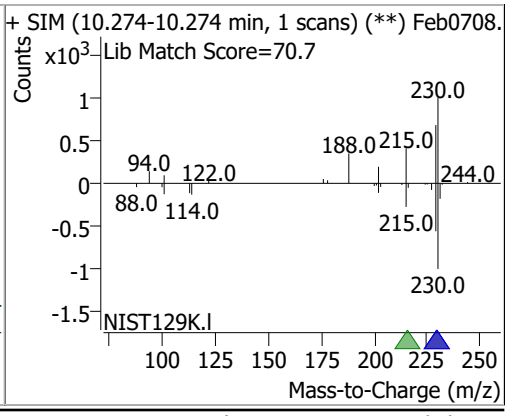




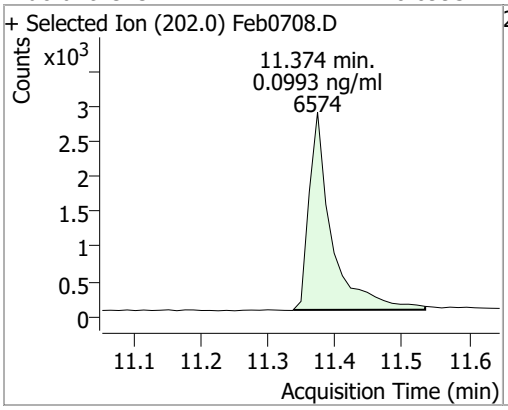
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.0841	10.27	0.00	4485	229.0	64.7	46.3	85.9
					215.0	37.3	28.9	53.6

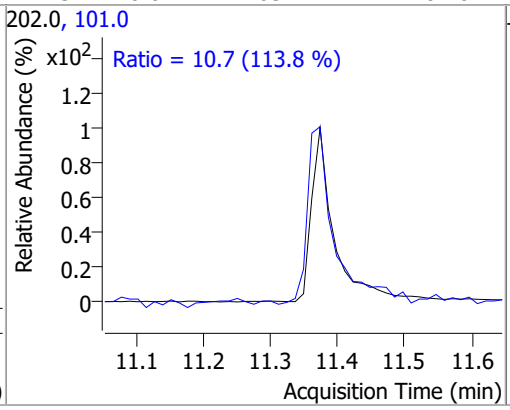


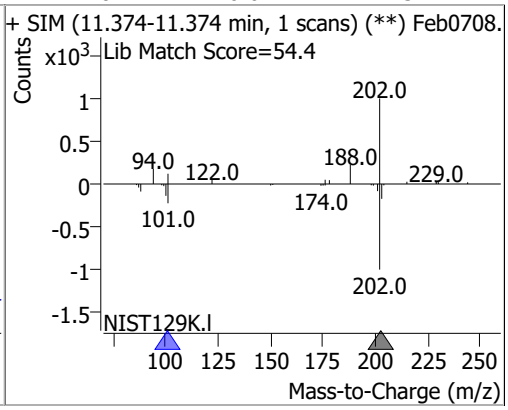




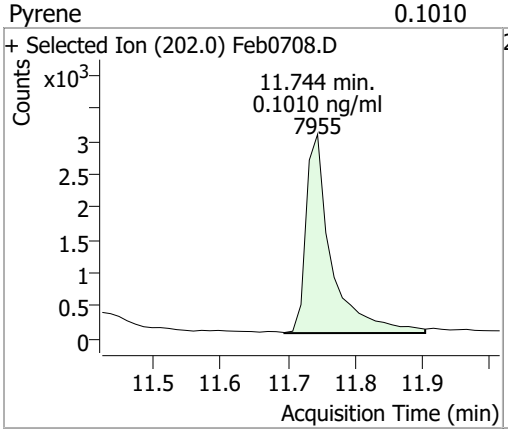
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	0.0993	11.37	0.02	6574	101.0	10.7	6.6	12.3

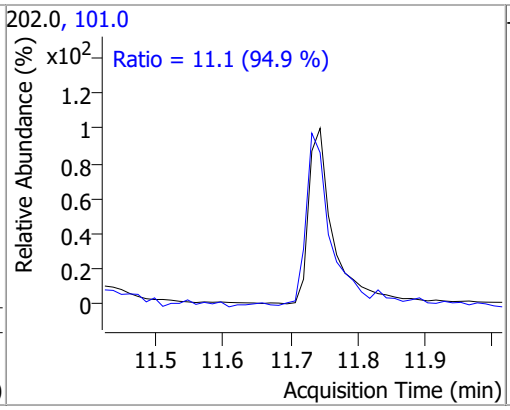


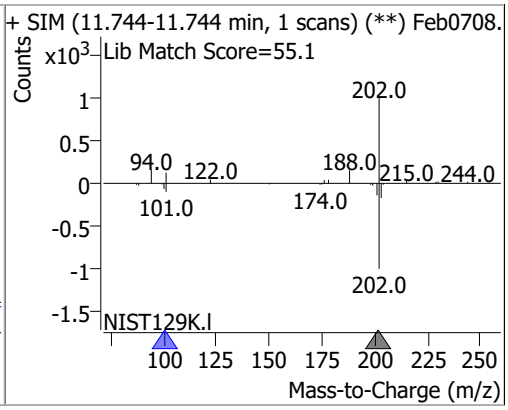




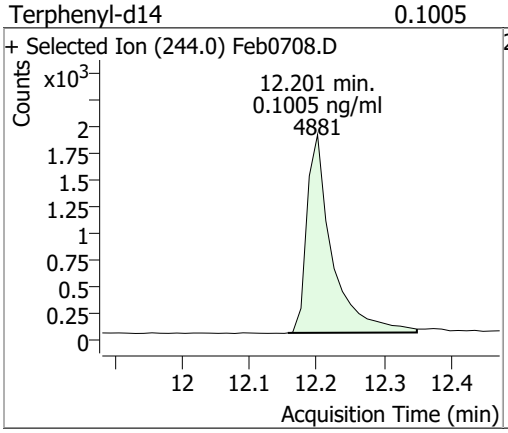
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	0.1010	11.74	0.02	7955	101.0	11.1	8.2	15.2

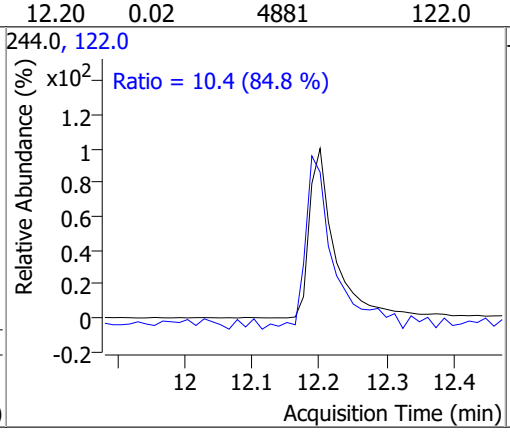


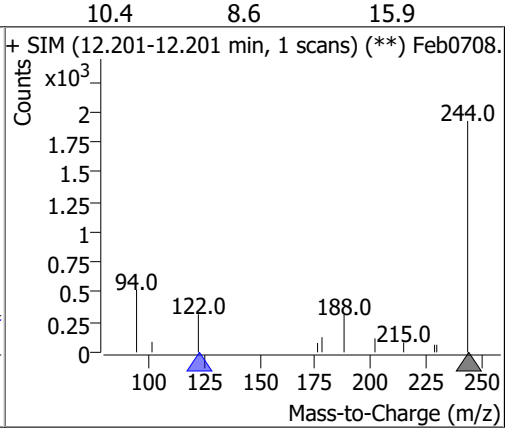




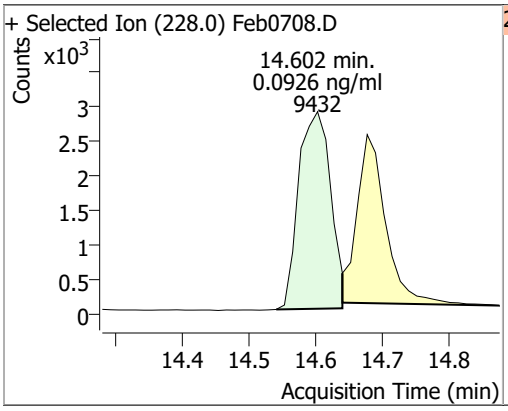
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	0.1005	12.20	0.02	4881	122.0	10.4	8.6	15.9

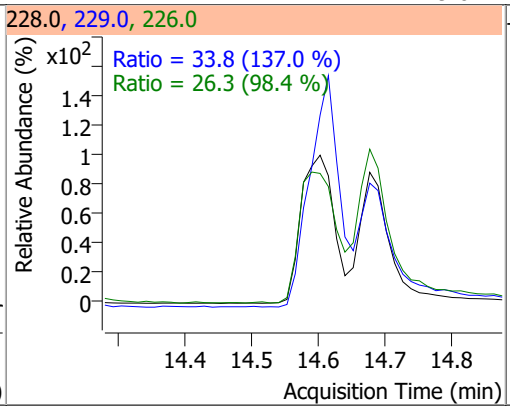


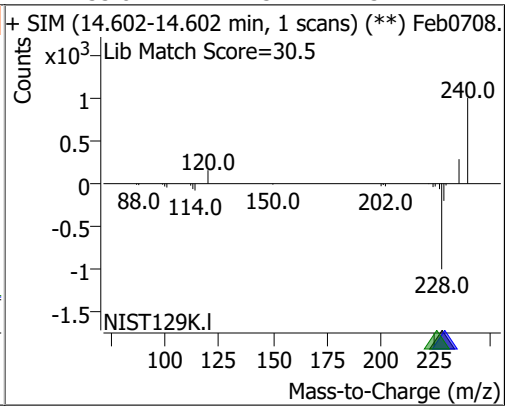




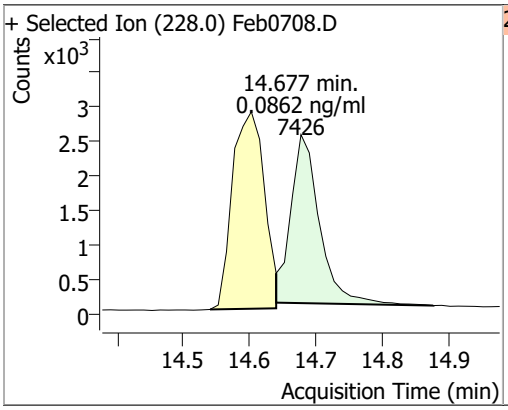
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	0.0926	14.60	0.02	9432	226.0	26.3	18.7	34.8
					229.0	33.8	17.3	32.1

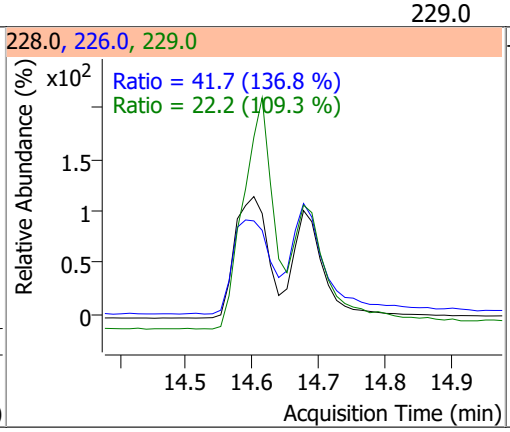


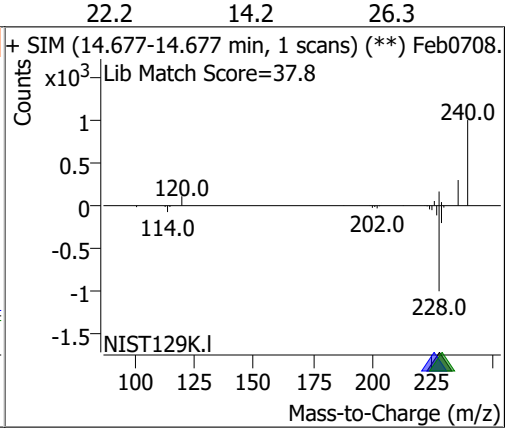




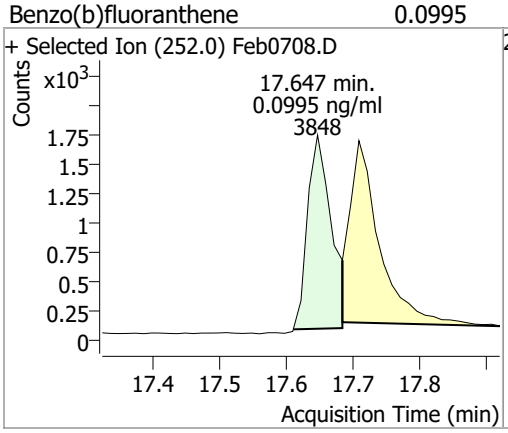
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	0.0862	14.68	0.00	7426	226.0	41.7	21.4	39.7
					229.0	22.2	14.2	26.3

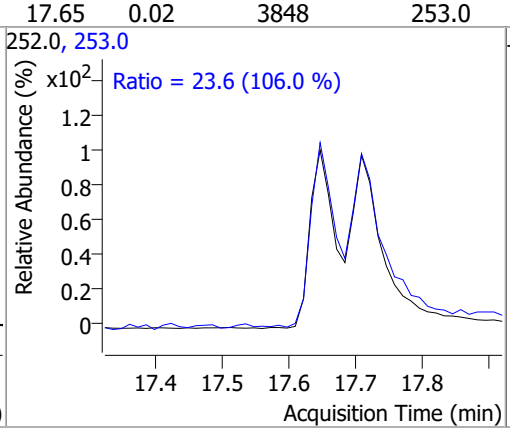


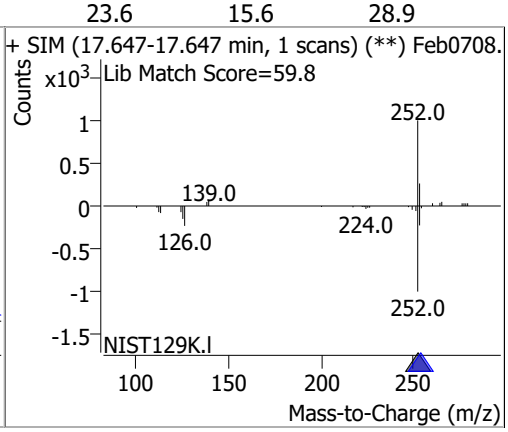




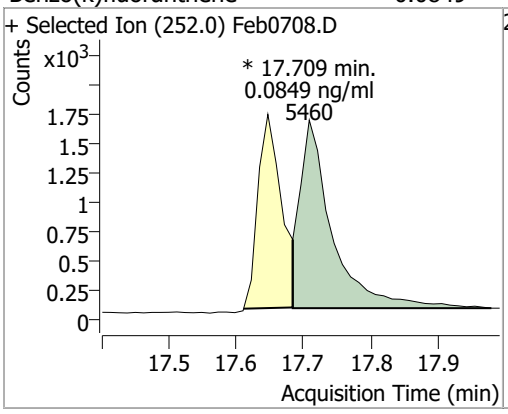
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	0.0995	17.65	0.02	3848	253.0	23.6	15.6	28.9

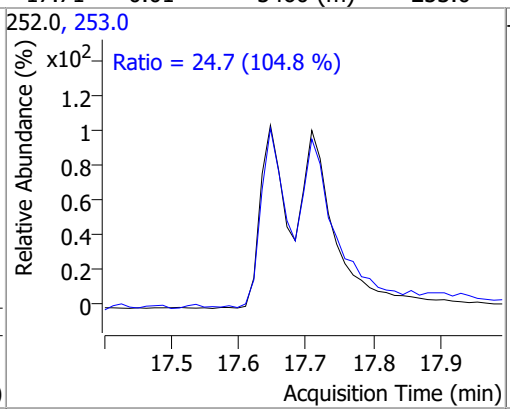


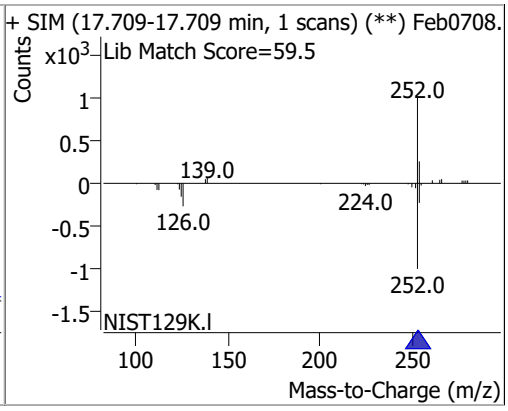




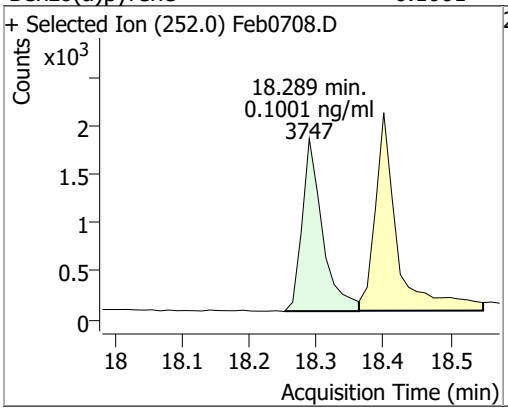
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	0.0849	17.71	0.01	5460 (m)	253.0	24.7	16.5	30.6

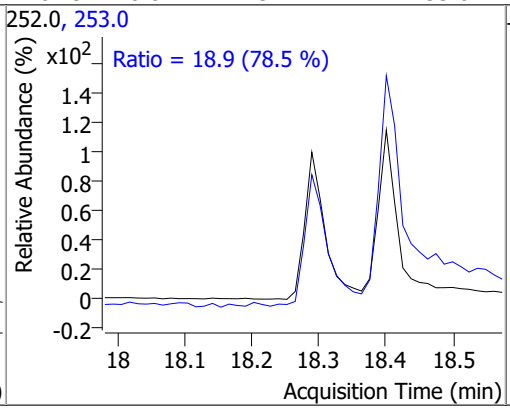


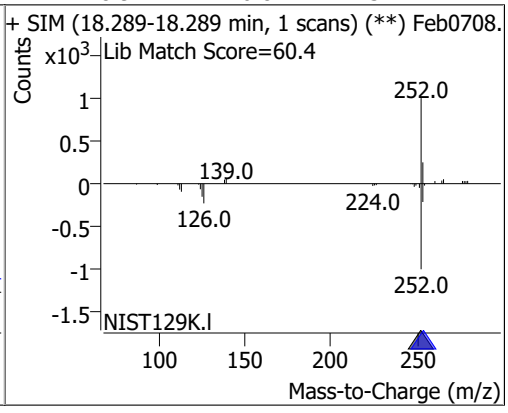




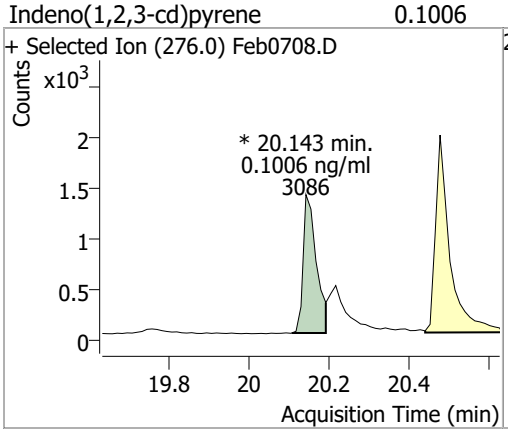
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	0.1001	18.29	0.01	3747	253.0	18.9	16.8	31.2

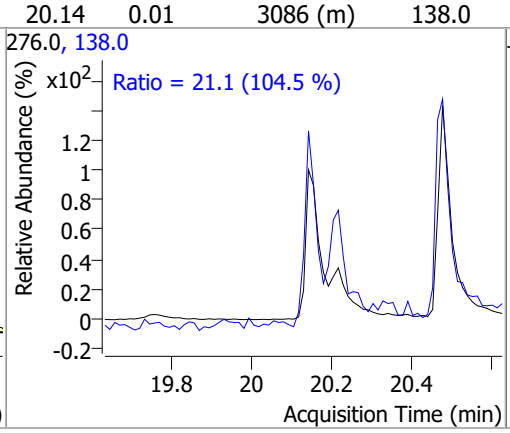


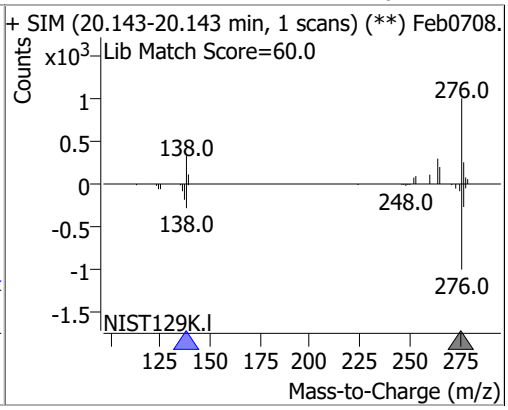




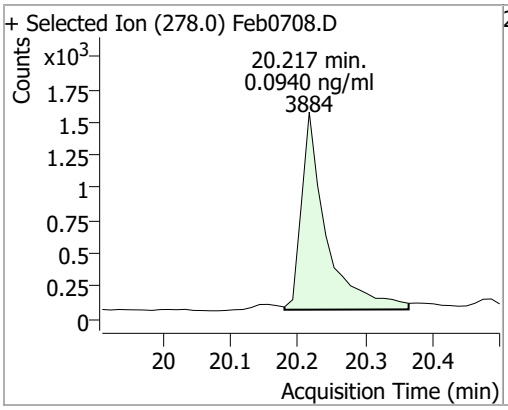
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	0.1006	20.14	0.01	3086 (m)	138.0	21.1	14.1	26.2

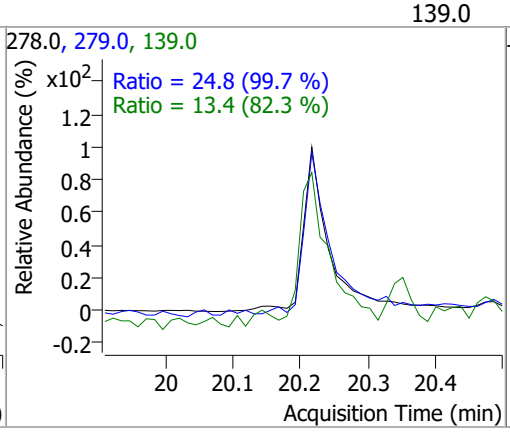


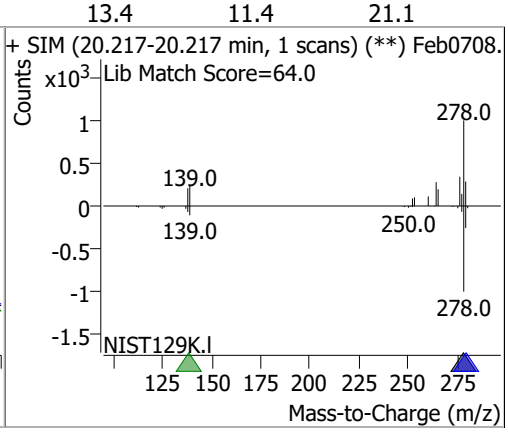




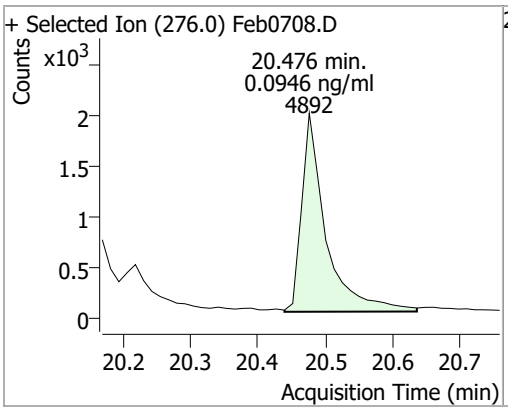
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	0.0940	20.22	0.01	3884	279.0	24.8	17.4	32.4
					139.0	13.4	11.4	21.1

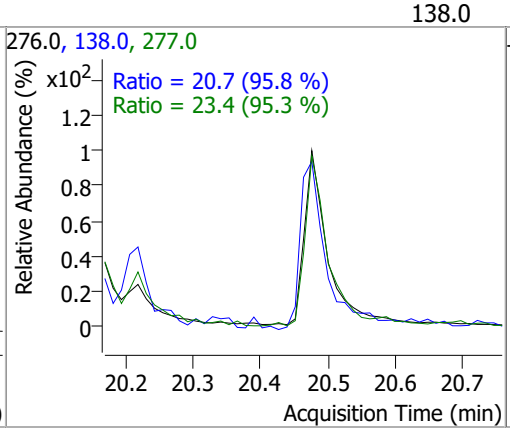


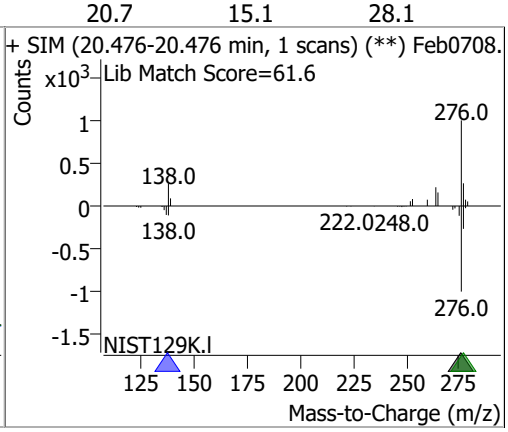




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	0.0946	20.48	0.01	4892	277.0	23.4	17.2	31.9
					138.0	20.7	15.1	28.1

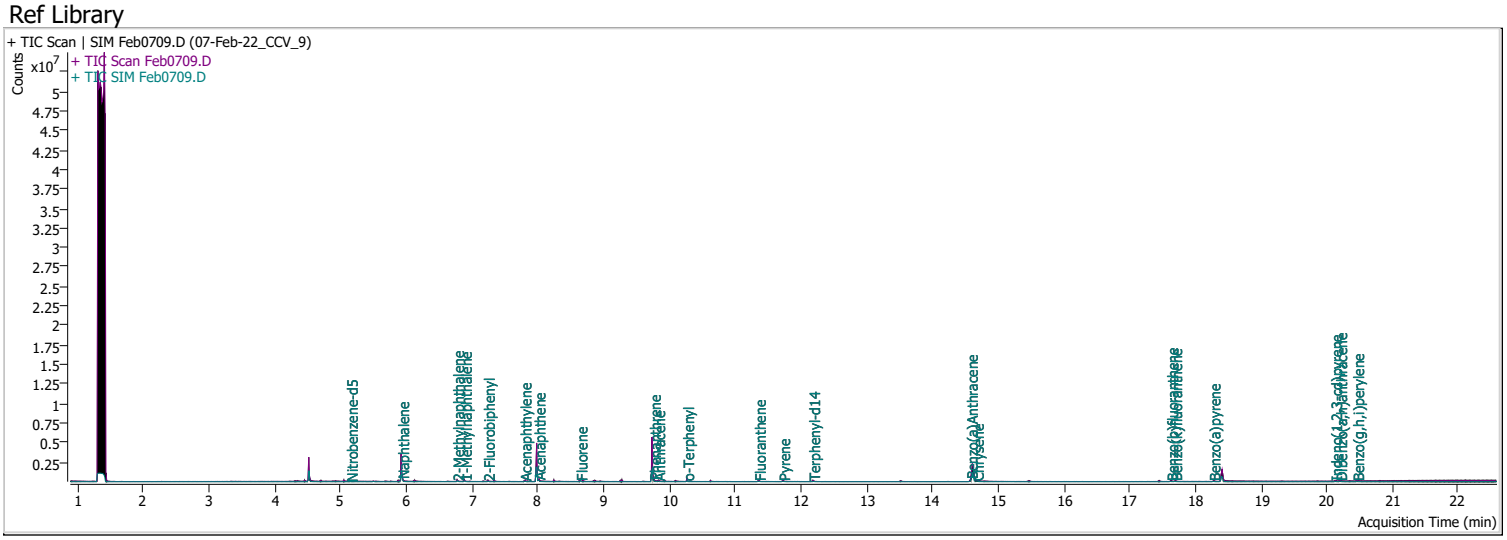






Quantitation Results Report (QT Reviewed)

Data File	Feb0709.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 7:29:39 PM
Sample Name	07-Feb-22_CCV_9	Instrument	GCMS
Vial	9	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

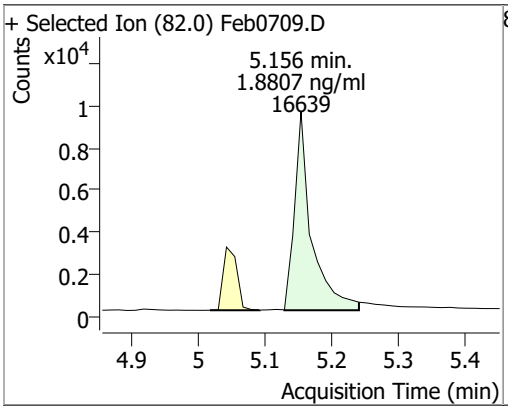


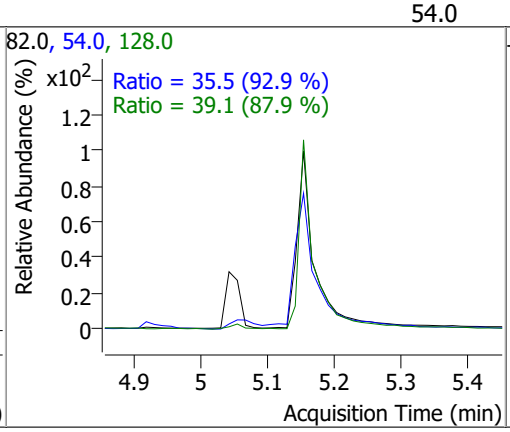
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1,4-Dichlorobenzene-d4	4.522	152.0	443815	40.0000	ng/ml	0.000
M Naphthalene-d8	5.928	136.0	1567307	40.0000	ng/ml	0.000
M Acenaphthene-d10	7.988	164.0	1059517	40.0000	ng/ml	0.012
M Phenanthrene-d10	9.743	188.0	2009222	40.0000	ng/ml	0.012
M Chrysene-d12	14.614	240.0	1597881	40.0000	ng/ml	0.000
M Perylene-d12	18.400	264.0	909346	40.0000	ng/ml	0.000
System Monitoring Compounds						
S Nitrobenzene-d5	5.156	82.0	16639	1.8807	ng/ml	0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 37.61%		
S 2-Fluorobiphenyl	7.239	172.0	64491	1.9289	ng/ml	0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 38.58%		
S o-Terphenyl	10.274	230.0	64359	2.1659	ng/ml	0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 43.32%		
S Terphenyl-d14	12.189	244.0	66515	1.9742	ng/ml	0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 39.48%		
Target Compounds						QValue
T Naphthalene	5.941	128.0	91769	2.1717	ng/ml	99
T 2-Methylnaphthalene	6.777	141.0	58188	2.2732	ng/ml	98
T 1-Methylnaphthalene	6.890	141.0	52208	1.9090	ng/ml	98
T Acenaphthylene	7.801	152.0	82080	2.0209	ng/ml	98
T Acenaphthene	8.013	154.0	65103	2.2140	ng/ml	97
T Fluorene	8.649	166.0	68994	1.9844	ng/ml	88
T Phenanthrene	9.768	178.0	105176	2.0045	ng/ml	99
T Anthracene	9.830	178.0	91219	2.1883	ng/ml	99
T Fluoranthene	11.361	202.0	101992	2.0695	ng/ml	97
T Pyrene	11.732	202.0	112061	2.0887	ng/ml	98
T Benzo(a)Anthracene	14.589	228.0	83669	2.2103	ng/ml	99
T Chrysene	14.677	228.0	114067	2.2029	ng/ml	97
T Benzo(b)fluoranthene	17.634	252.0	67486	2.1588	ng/ml	99

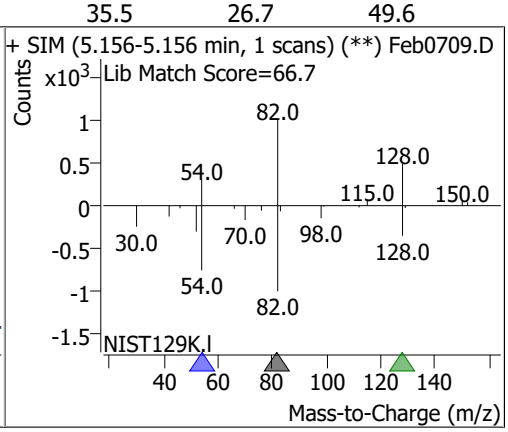
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.696	252.0	80433	2.2404	ng/ml	96
T Benzo(a)pyrene	18.277	252.0	57337	2.0947	ng/ml	99
T Indeno(1,2,3-cd)pyrene	20.130	276.0	51223	2.1027	ng/ml	98
T Dibenzo(a,h)anthracene	20.204	278.0	60745	2.1887	ng/ml	98
T Benzo(g,h,i)perylene	20.464	276.0	72252	2.1595	ng/ml	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

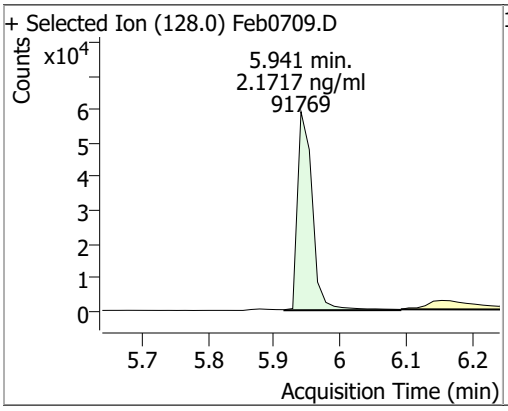
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	1.8807	5.16	0.00	16639	128.0	39.1	31.2	57.9
					54.0	35.5	26.7	49.6

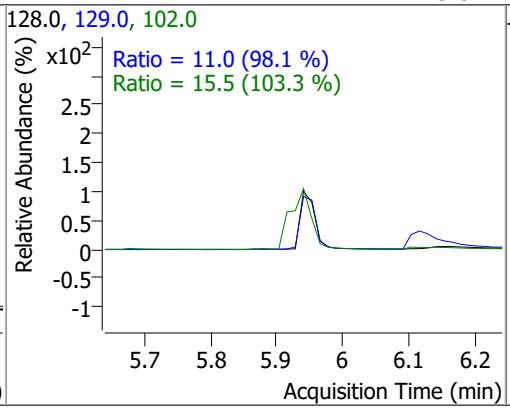


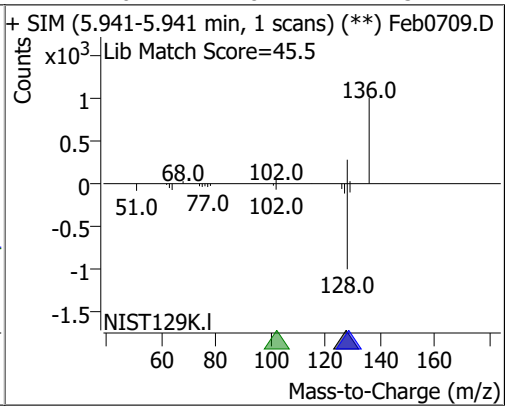




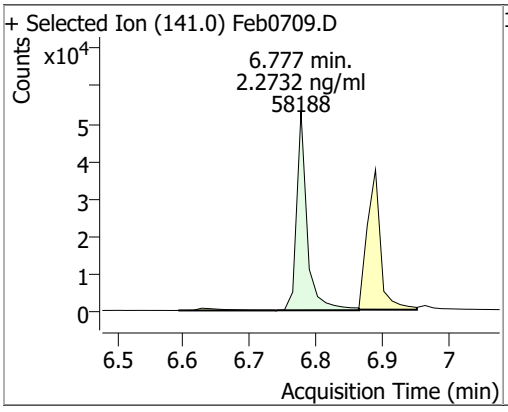
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	2.1717	5.94	0.00	91769	102.0	15.5	0.0	45.0
					129.0	11.0	7.8	14.5

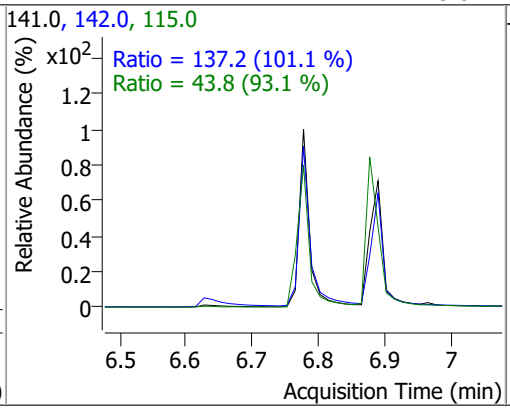


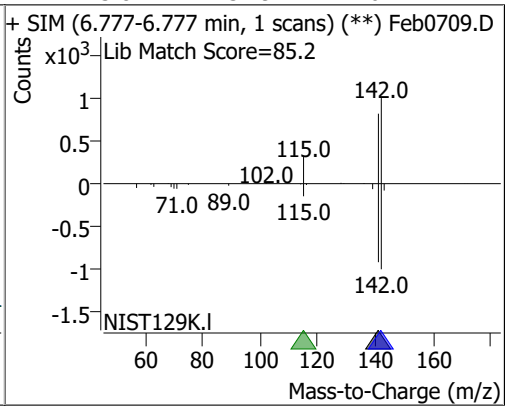




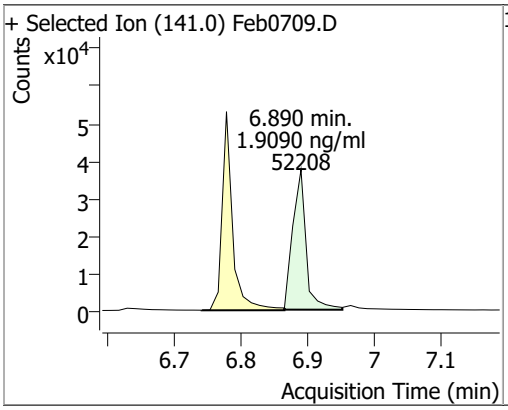
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	2.2732	6.78	0.00	58188	142.0	137.2	95.0	176.4
					115.0	43.8	32.9	61.2

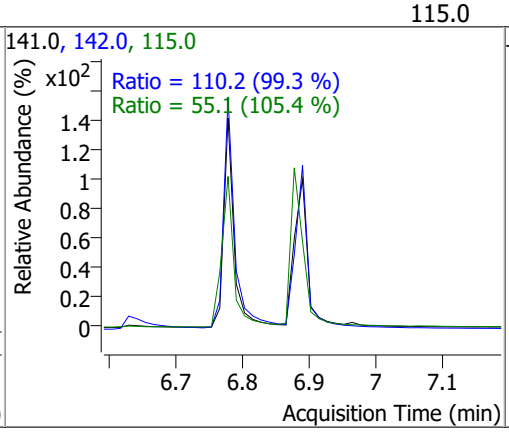


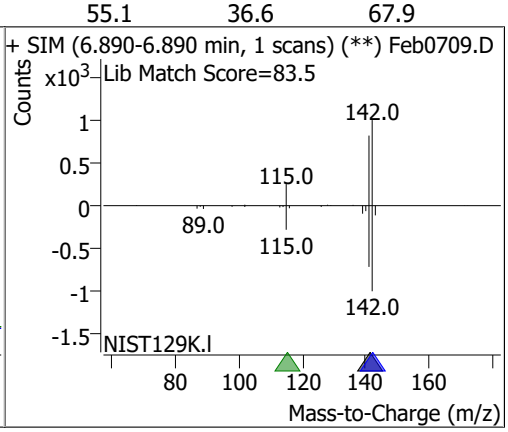




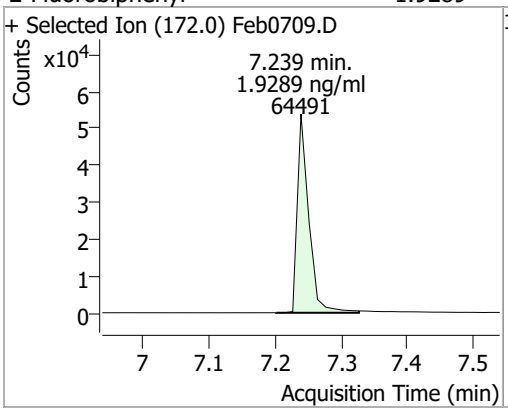
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	1.9090	6.89	0.00	52208	142.0	110.2	77.7	144.2
					115.0	55.1	36.6	67.9

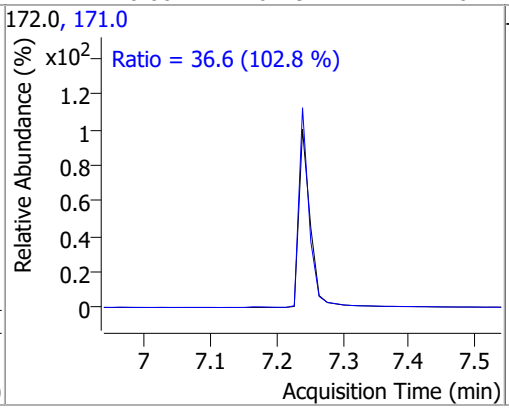


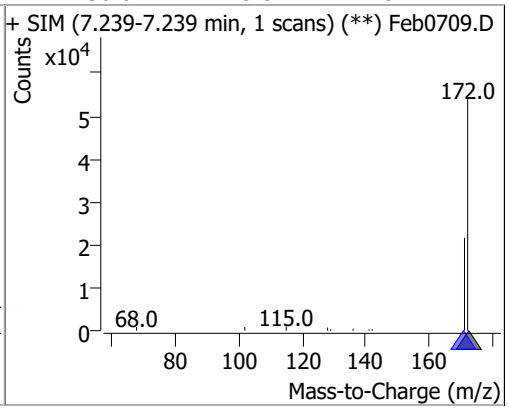




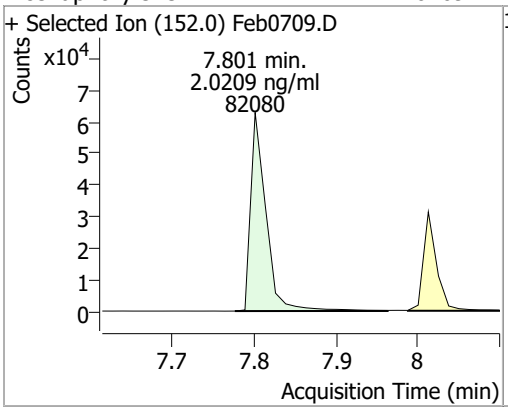
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	1.9289	7.24	0.00	64491	171.0	36.6	25.0	46.4

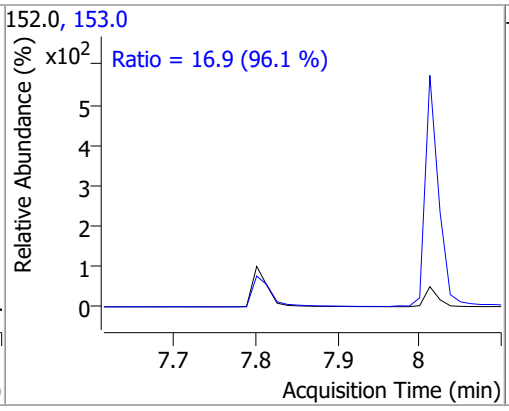


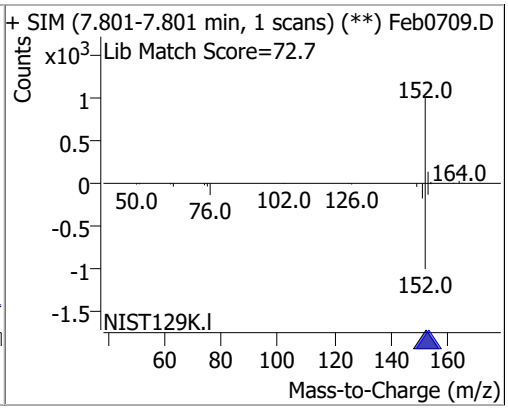




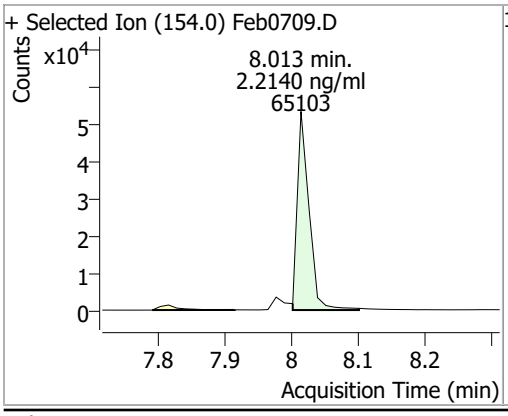
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	2.0209	7.80	0.00	82080	153.0	16.9	12.3	22.9

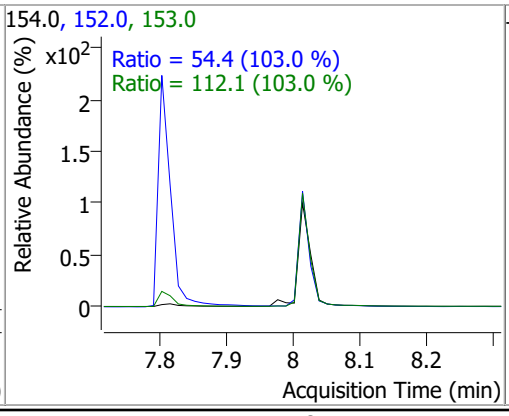


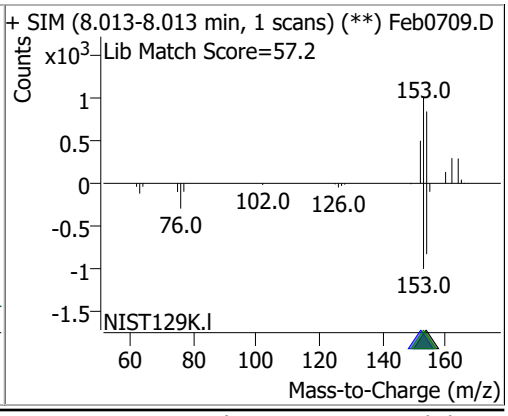




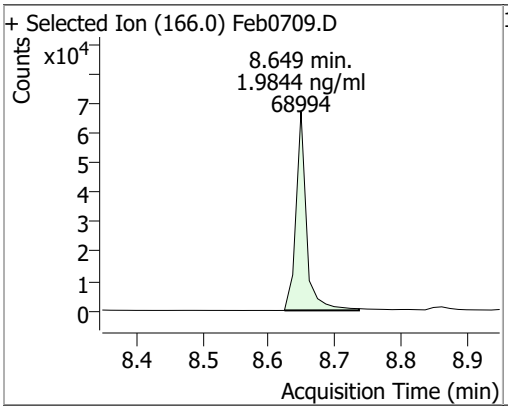
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	2.2140	8.01	0.00	65103	153.0	112.1	76.2	141.5
					152.0	54.4	37.0	68.7

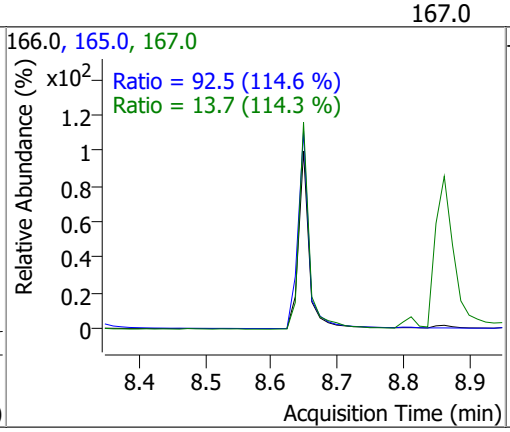


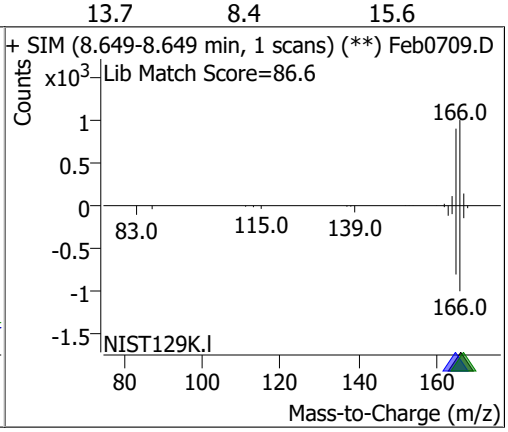




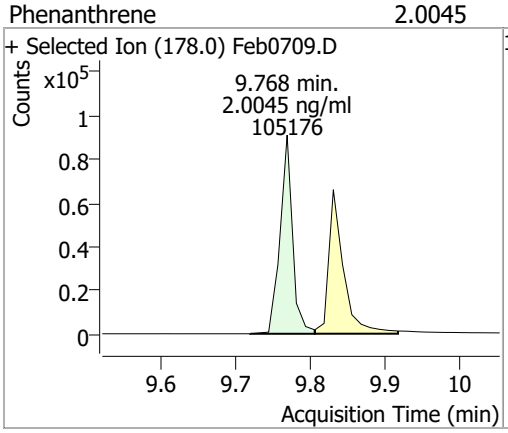
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	1.9844	8.65	0.00	68994	165.0	92.5	56.5	104.9
					167.0	13.7	8.4	15.6

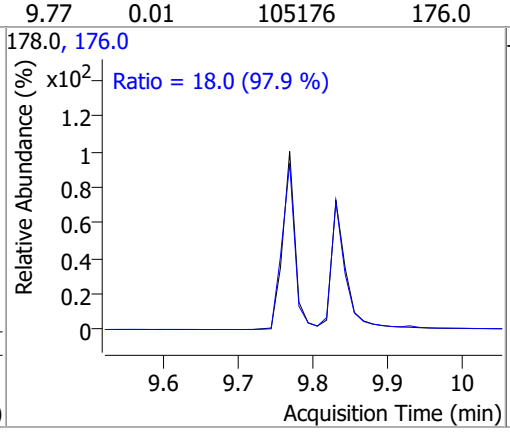


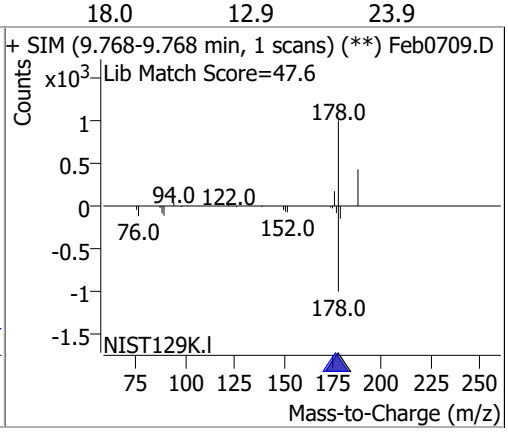




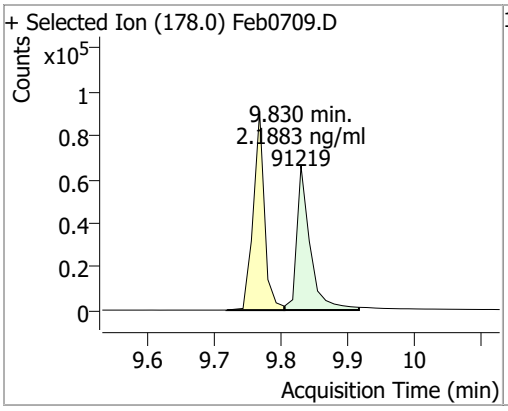
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	2.0045	9.77	0.01	105176	176.0	18.0	12.9	23.9

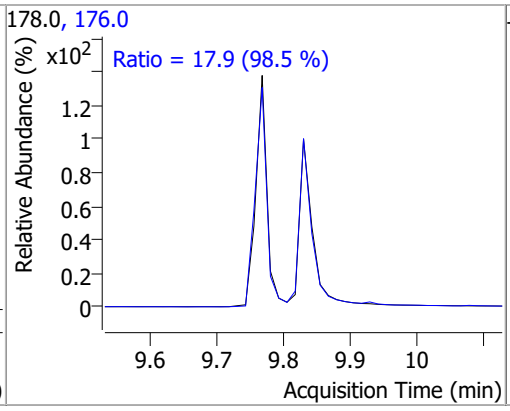


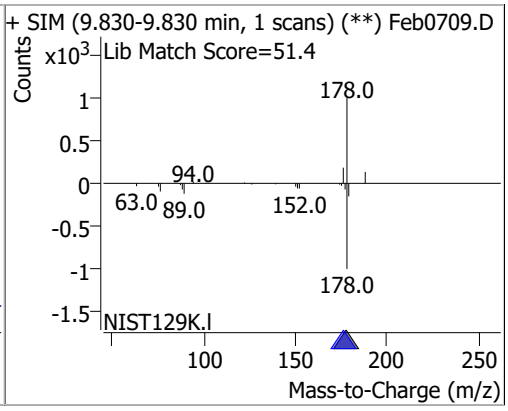




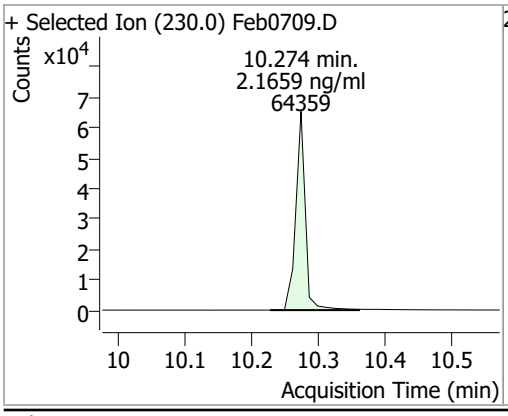
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	2.1883	9.83	0.00	91219	176.0	17.9	12.7	23.6

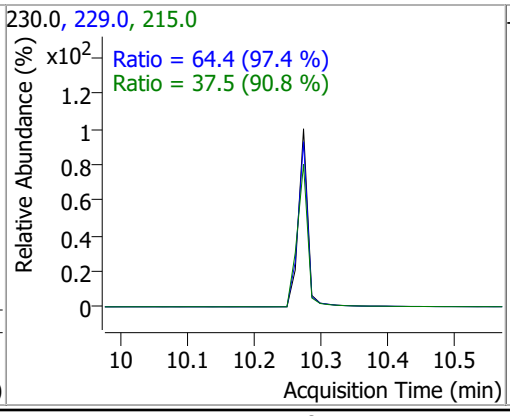


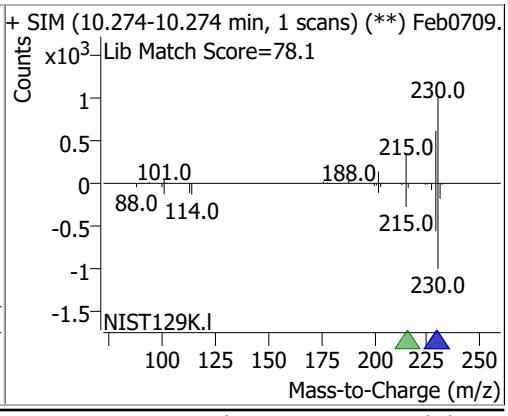




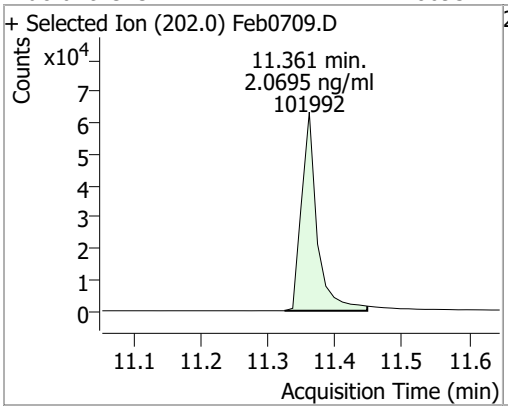
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	2.1659	10.27	0.00	64359	229.0	64.4	46.3	85.9
					215.0	37.5	28.9	53.6

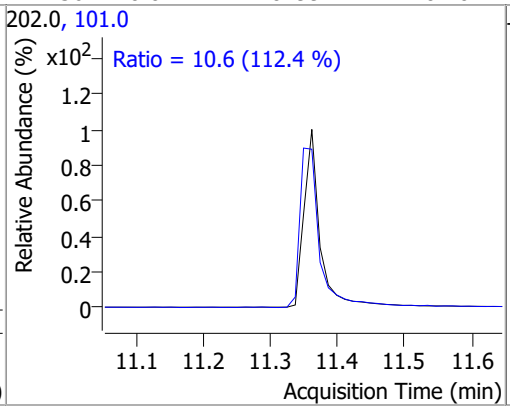


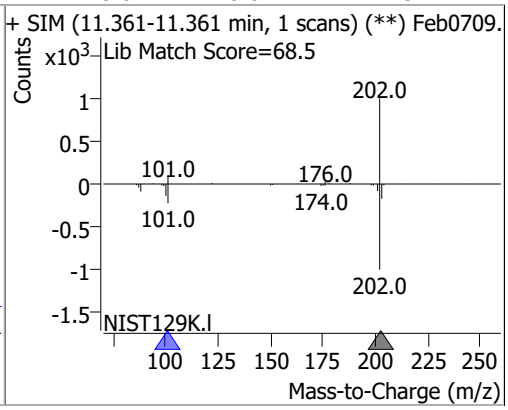




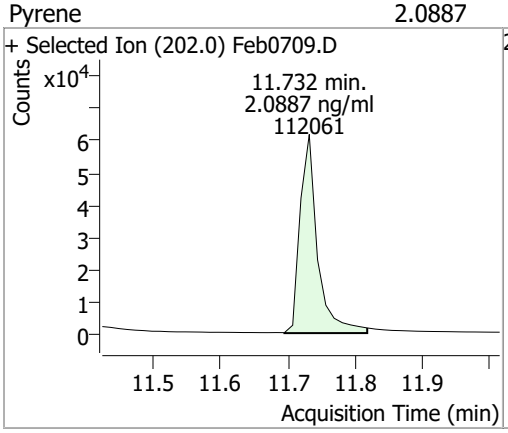
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	2.0695	11.36	0.01	101992	101.0	10.6	6.6	12.3

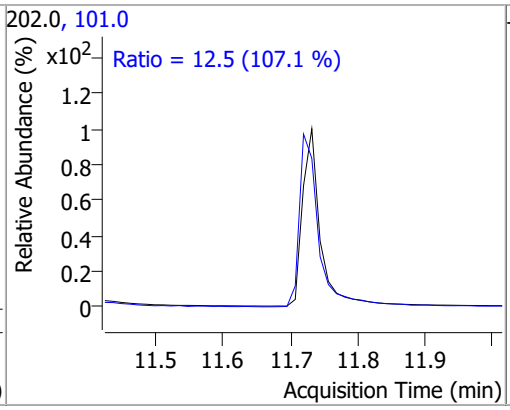


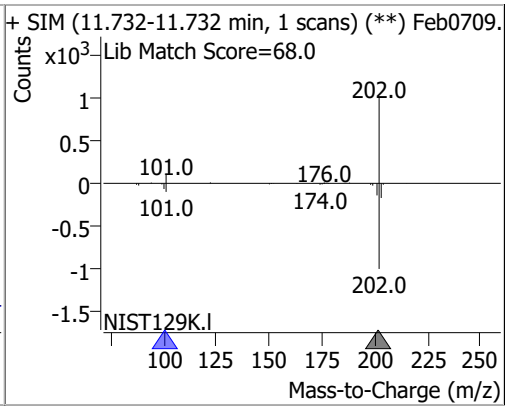




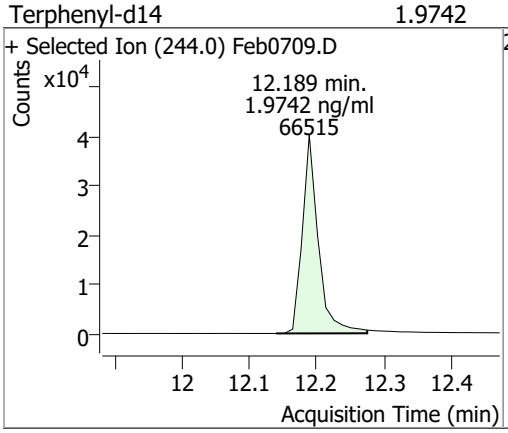
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	2.0887	11.73	0.01	112061	101.0	12.5	8.2	15.2

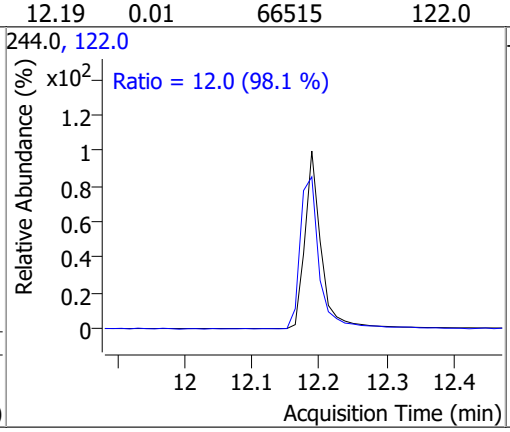


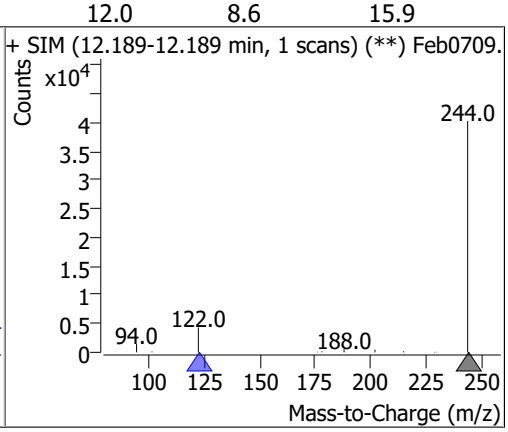




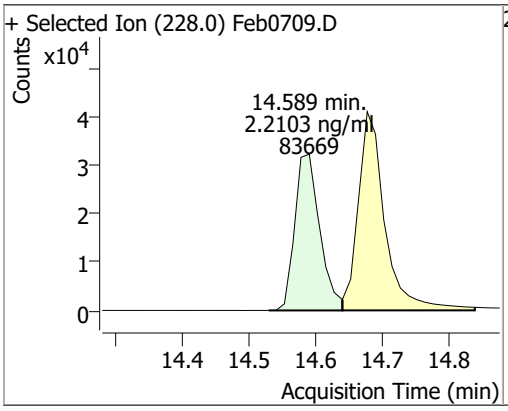
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	1.9742	12.19	0.01	66515	122.0	12.0	8.6	15.9

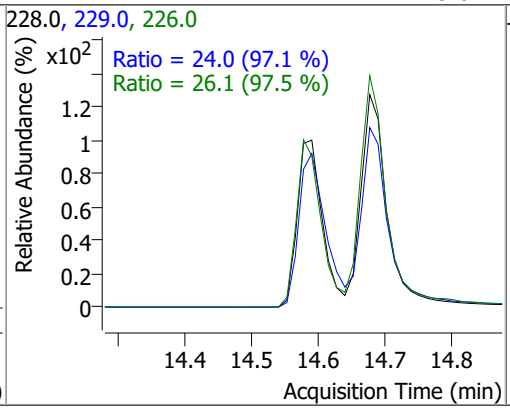


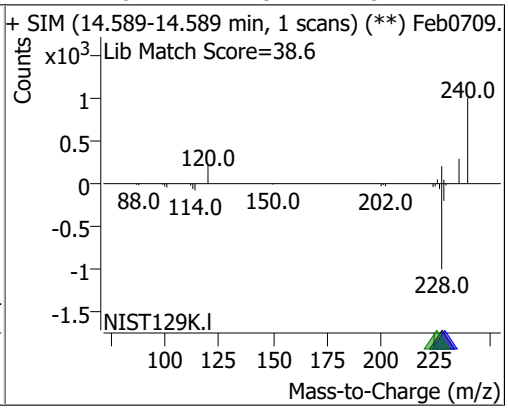




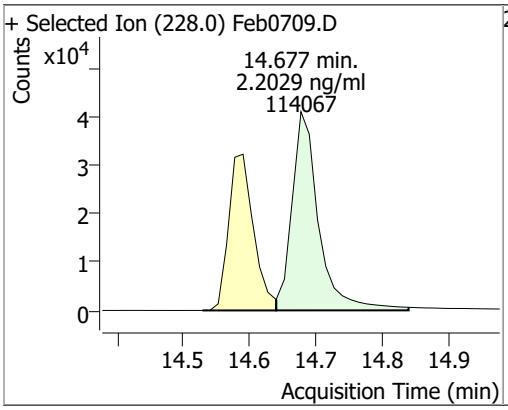
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	2.2103	14.59	0.01	83669	226.0	26.1	18.7	34.8
					229.0	24.0	17.3	32.1

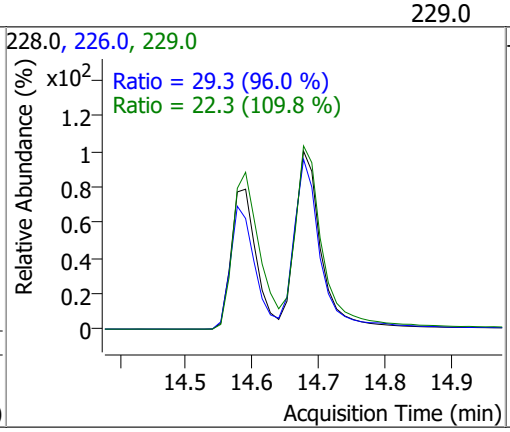


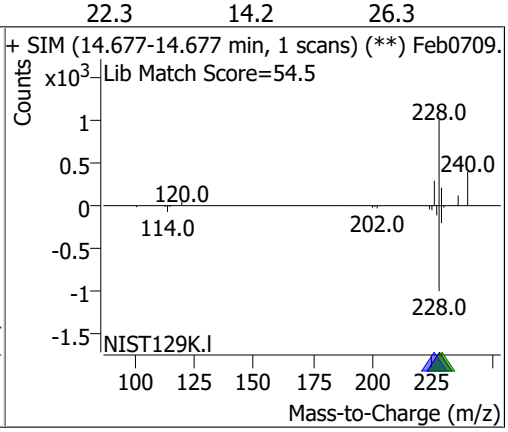




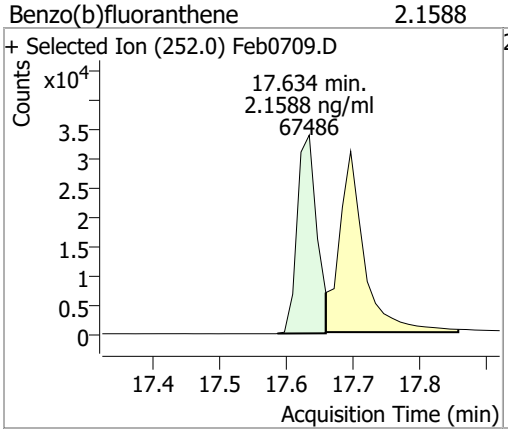
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	2.2029	14.68	0.00	114067	226.0	29.3	21.4	39.7
					229.0	22.3	14.2	26.3

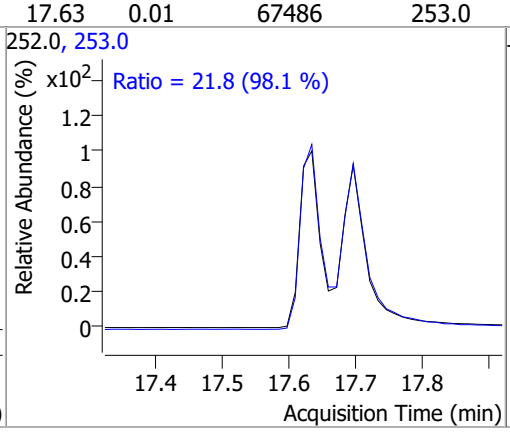


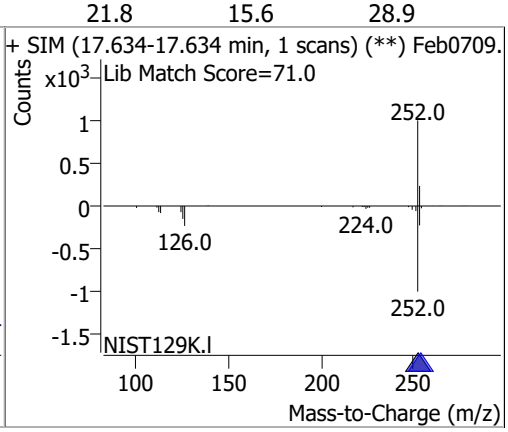




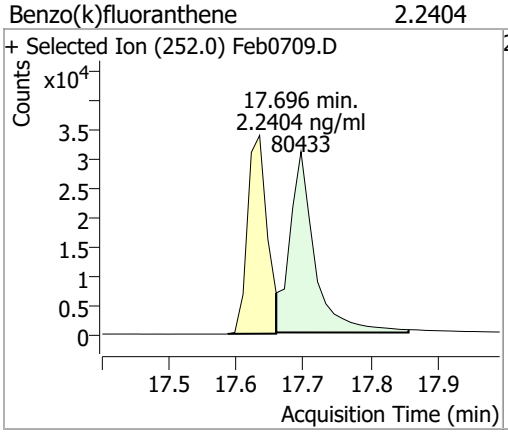
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	2.1588	17.63	0.01	67486	253.0	21.8	15.6	28.9

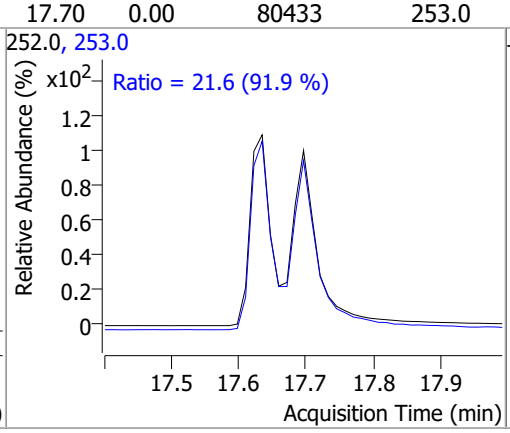


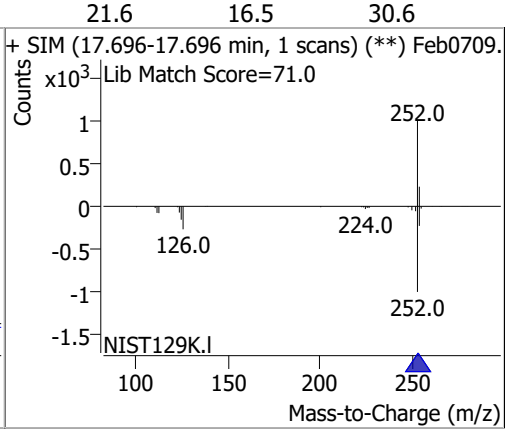




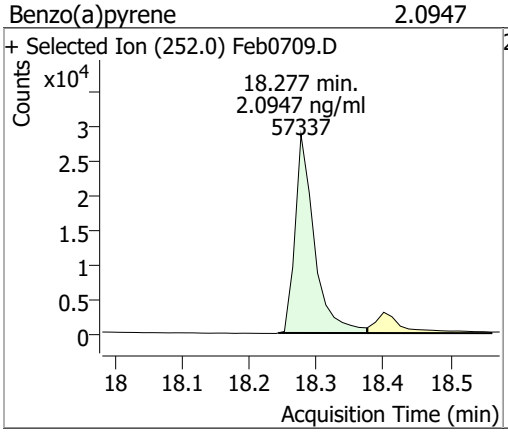
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	2.2404	17.70	0.00	80433	253.0	21.6	16.5	30.6

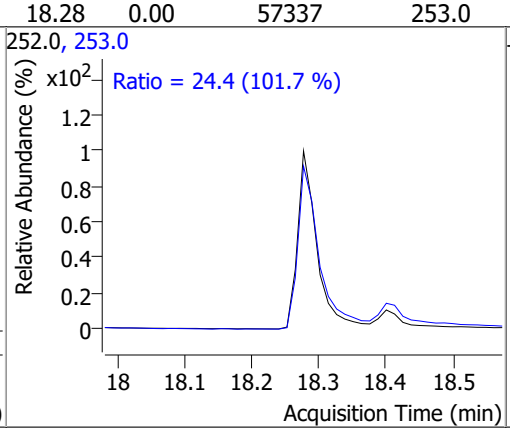


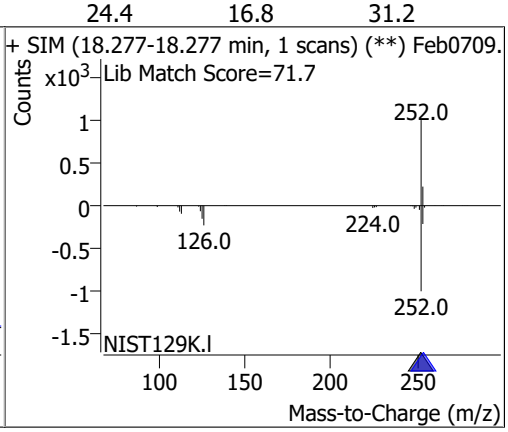




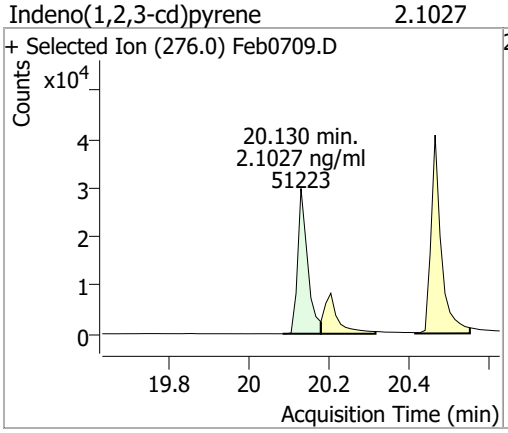
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	2.0947	18.28	0.00	57337	253.0	24.4	16.8	31.2

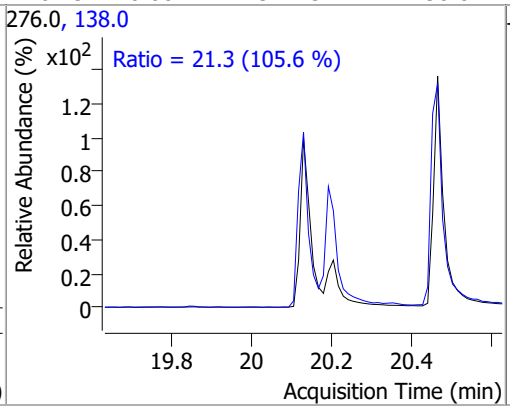


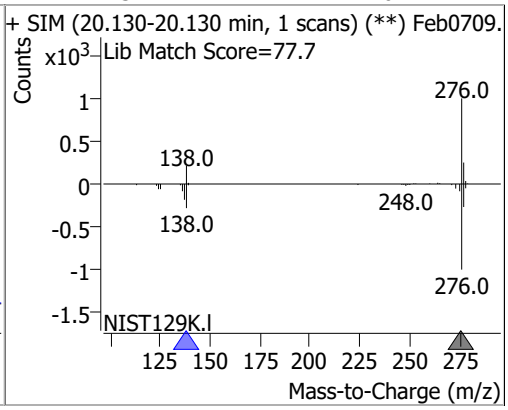




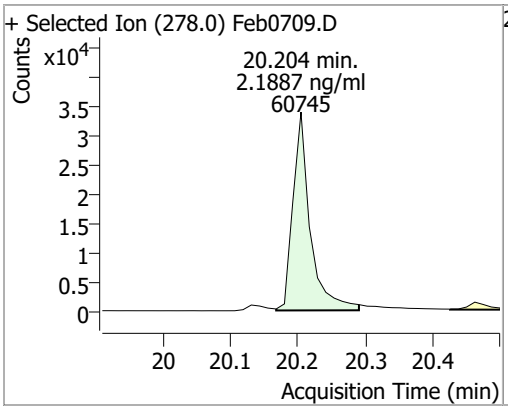
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	2.1027	20.13	0.00	51223	138.0	21.3	14.1	26.2

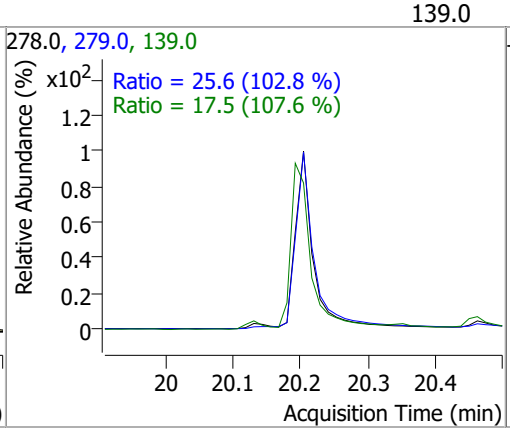


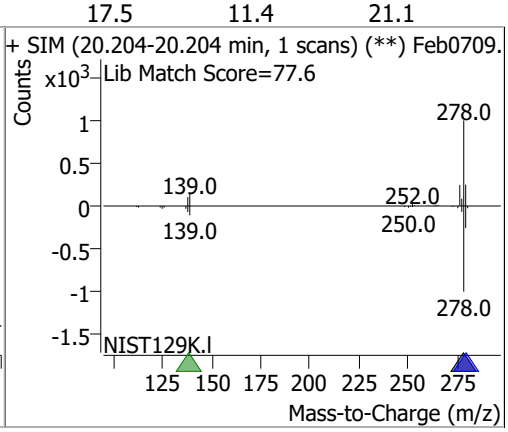




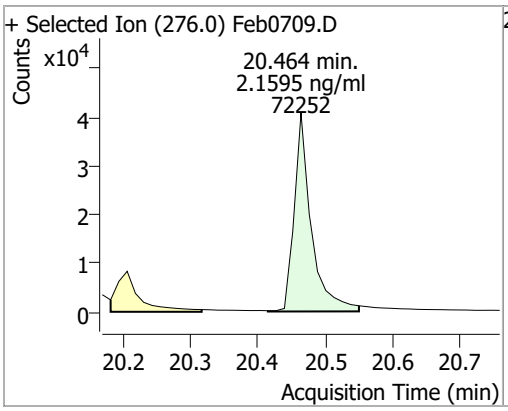
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	2.1887	20.20	0.00	60745	279.0	25.6	17.4	32.4
					139.0	17.5	11.4	21.1

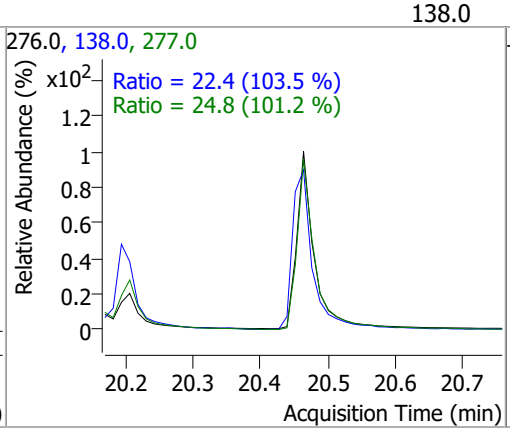


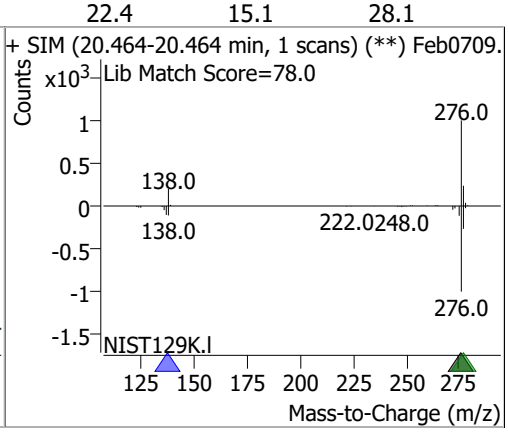




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	2.1595	20.46	0.00	72252	277.0	24.8	17.2	31.9
					138.0	22.4	15.1	28.1

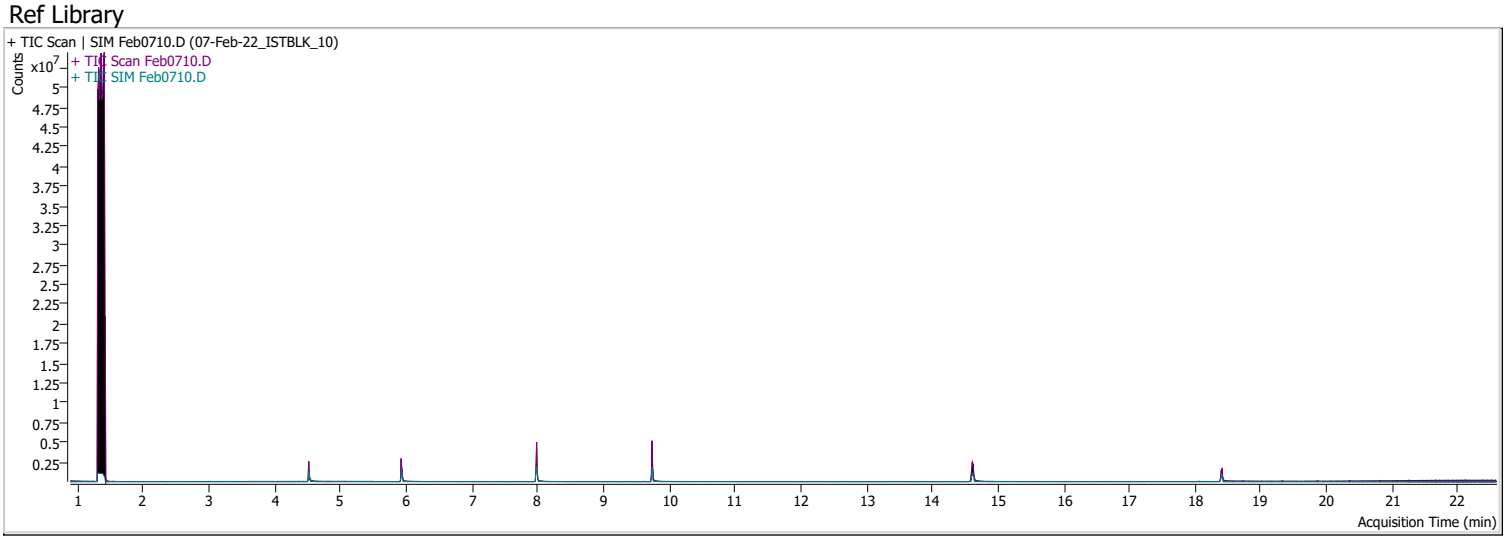






Quantitation Results Report (QT Reviewed)

Data File	Feb0710.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 8:02:09 PM
Sample Name	07-Feb-22_ISTBLK_10	Instrument	GCMS
Vial	10	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

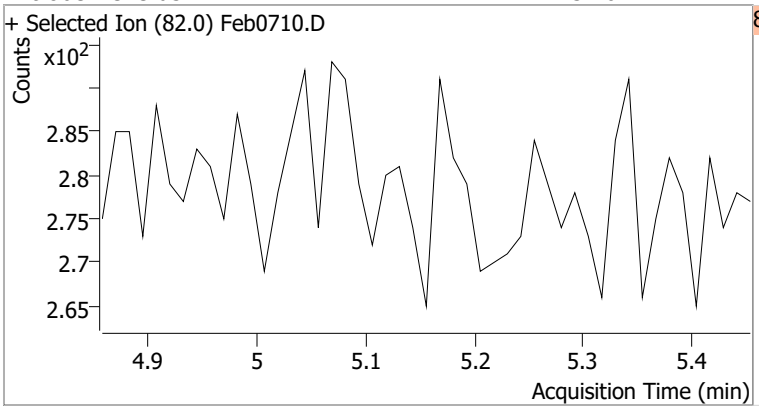


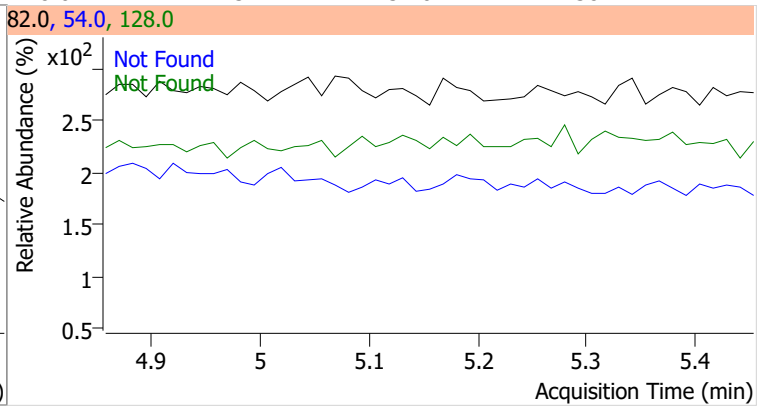
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	429138	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1519931	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.988	164.0	1132723	40.0000	ng/ml		0.013
M Phenanthrene-d10	9.743	188.0	2152536	40.0000	ng/ml		0.012
M Chrysene-d12	14.614	240.0	1722705	40.0000	ng/ml		0.000
M Perylene-d12	18.401	264.0	1005049	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = NA%			
S 2-Fluorobiphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = NA%			
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = NA%			
Target Compounds							QValue
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	7.976	154.0	0		ng/ml	md	1
T Fluorene	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.614	228.0	0		ng/ml	md	1
T Chrysene	14.614	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.401	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

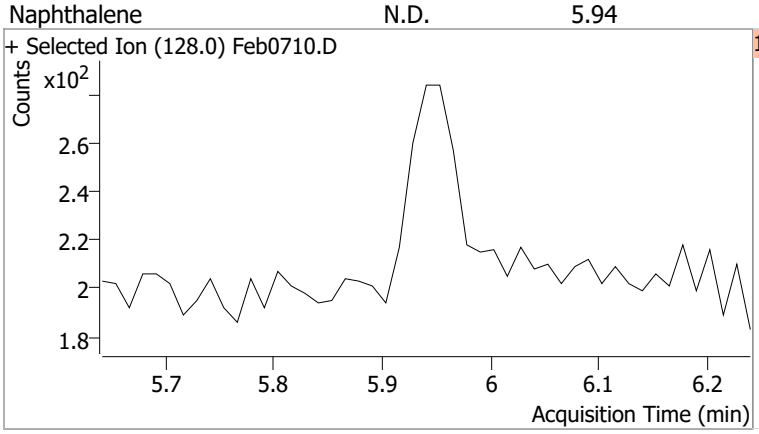
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

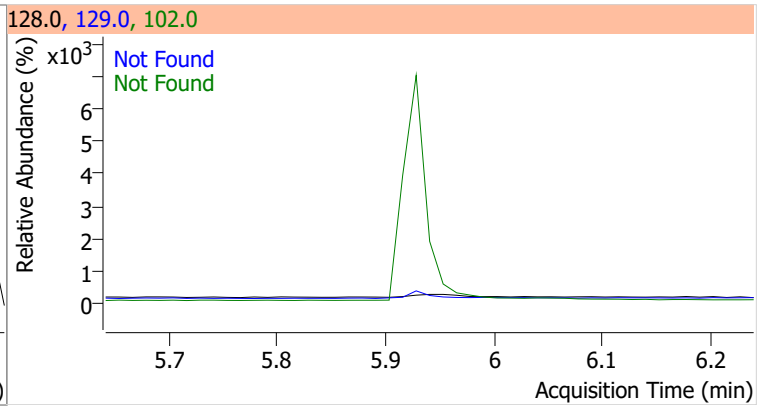
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene-d5	N.D.	5.16	128.0	44.5	54.0	38.2



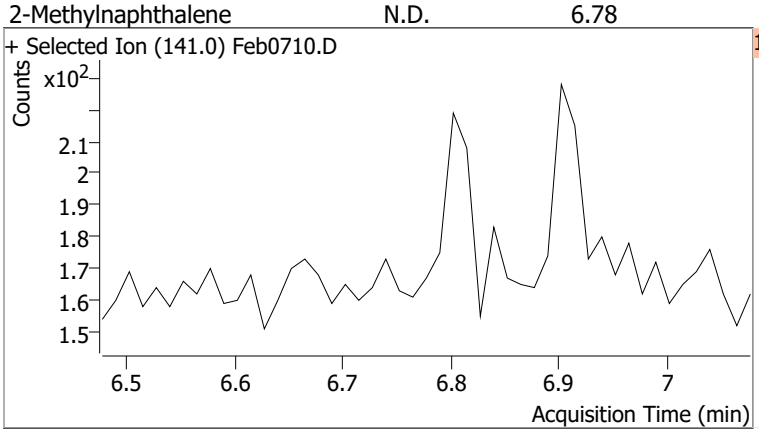


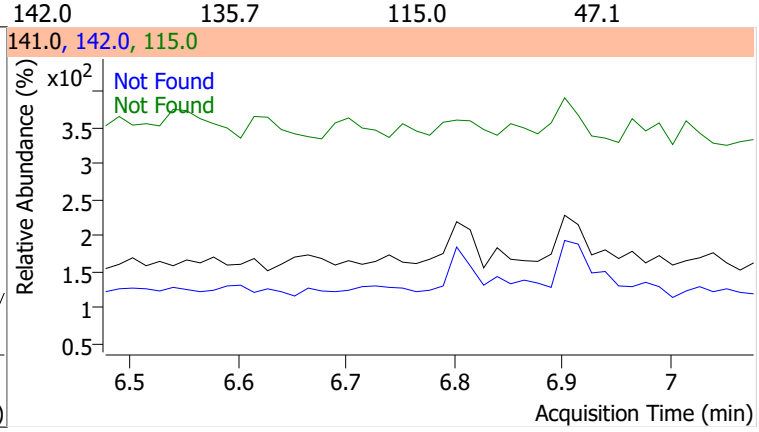
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.94	102.0	15.0	129.0	11.2



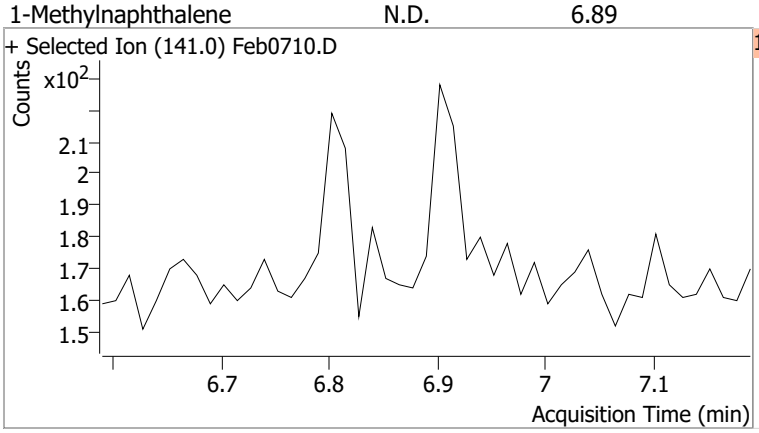


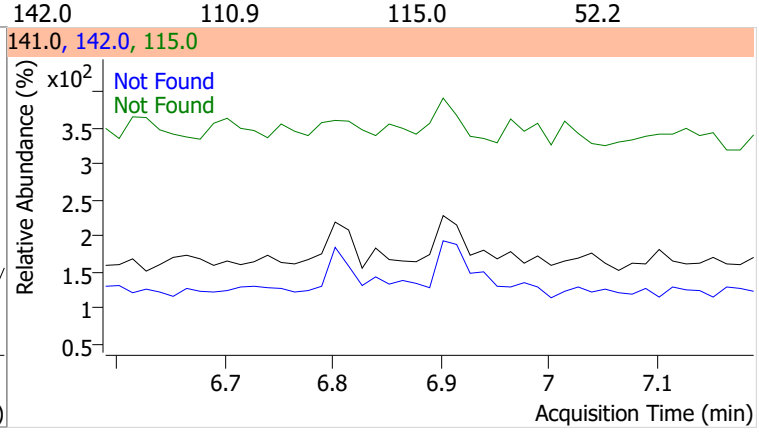
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.78	142.0	135.7	115.0	47.1



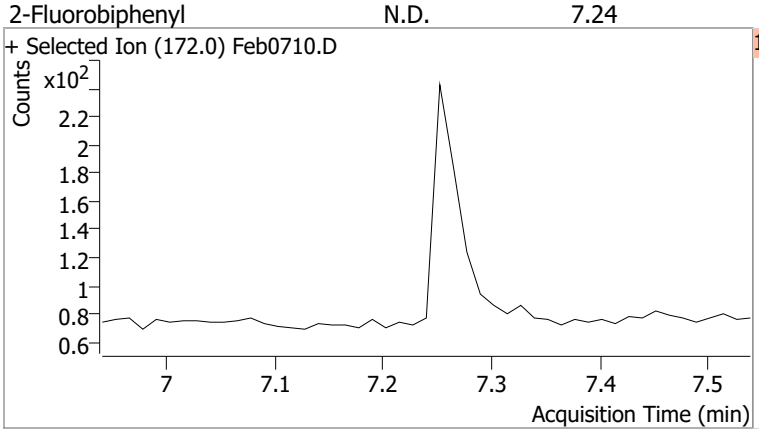


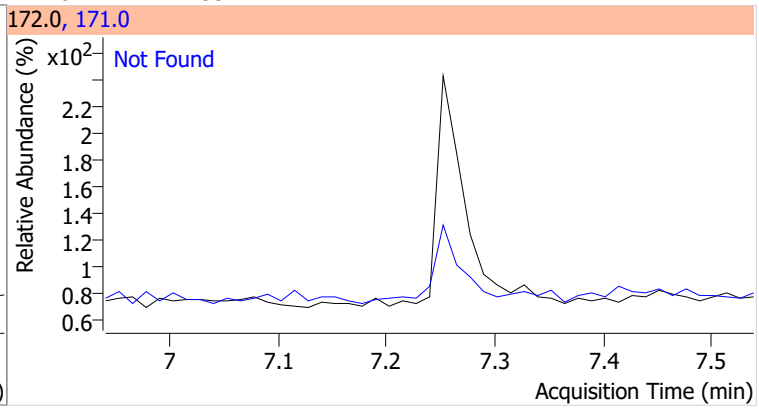
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.89	142.0	110.9	115.0	52.2



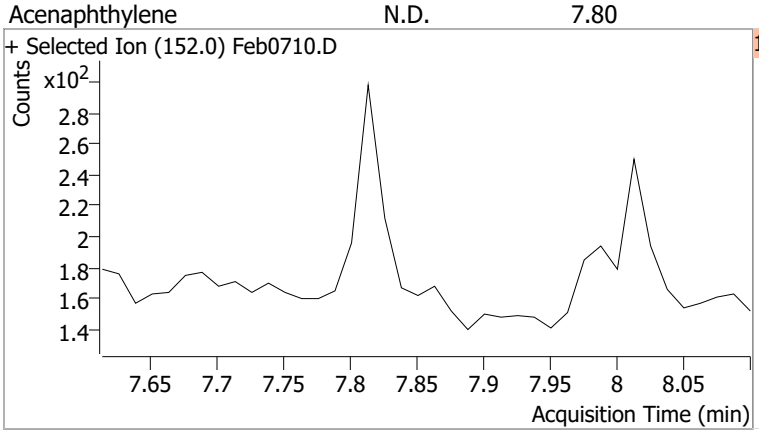


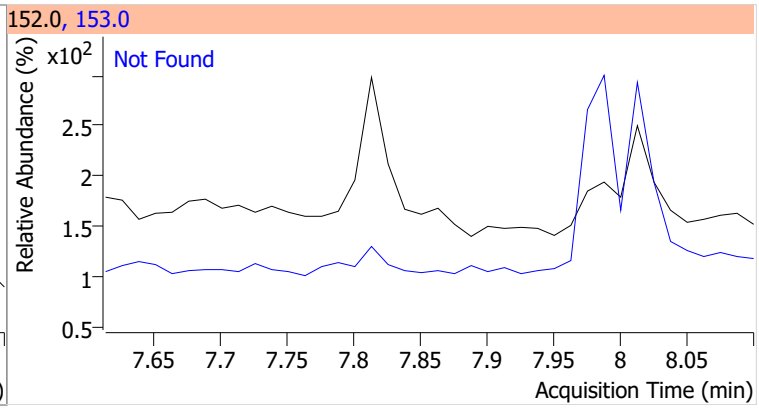
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Fluorobiphenyl	N.D.	7.24	171.0	35.7



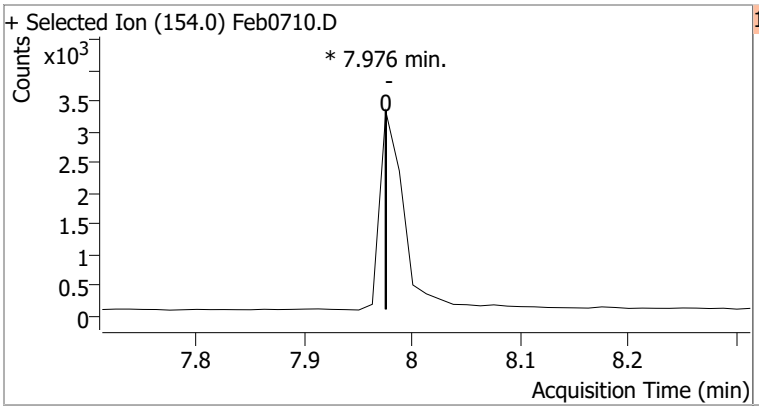


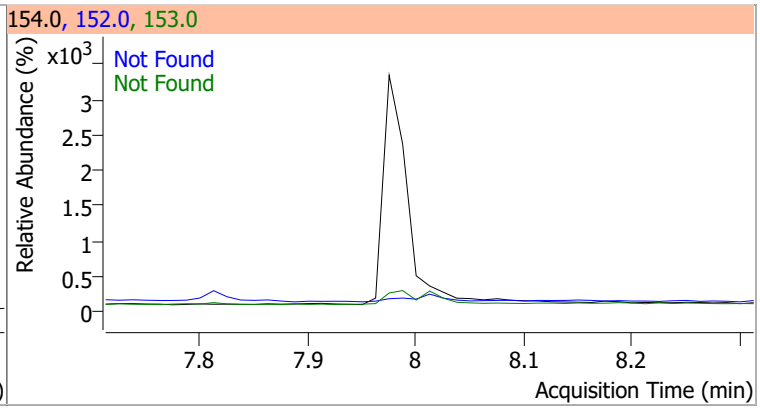
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.80	153.0	17.6



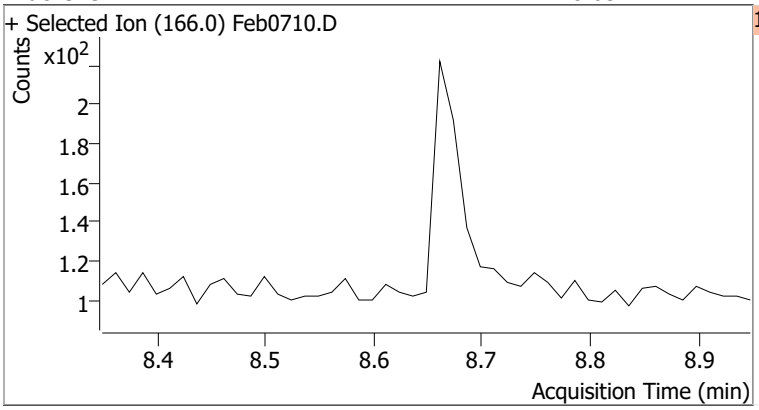


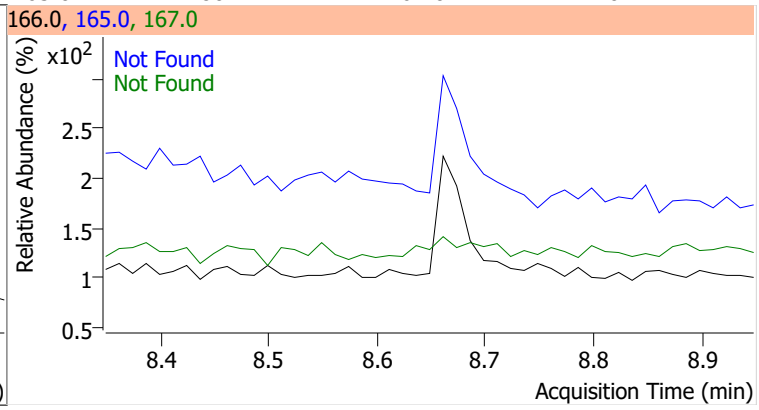
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



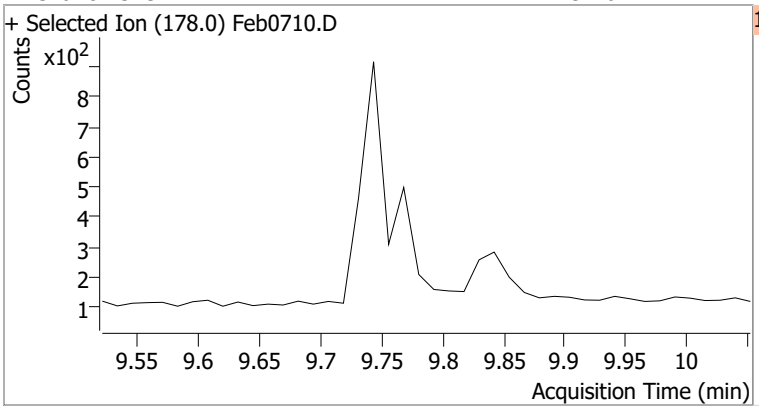


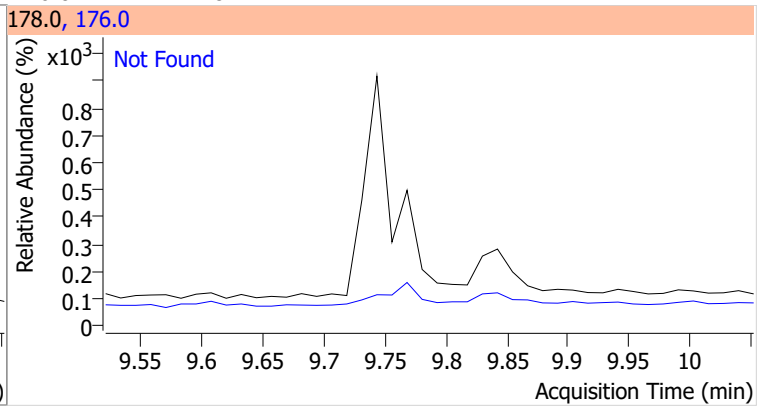
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	8.65	165.0	80.7	167.0	12.0



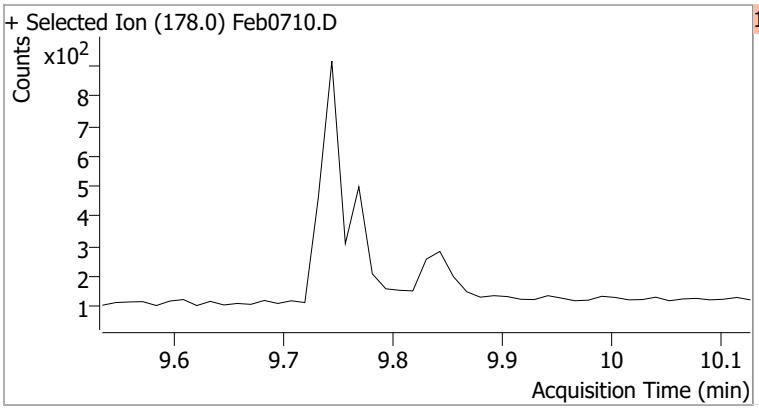


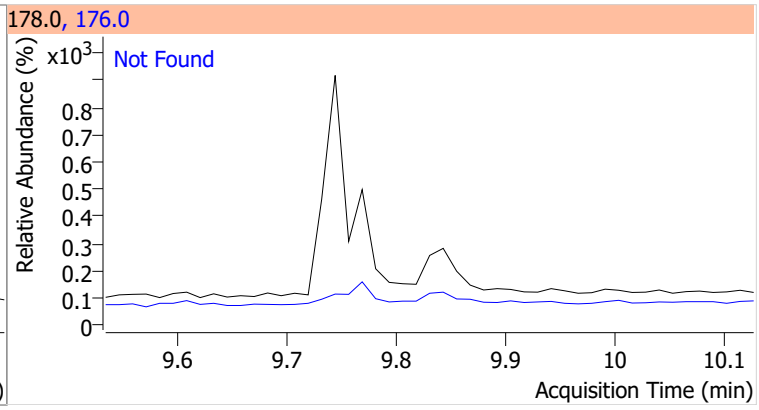
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.76	176.0	18.4



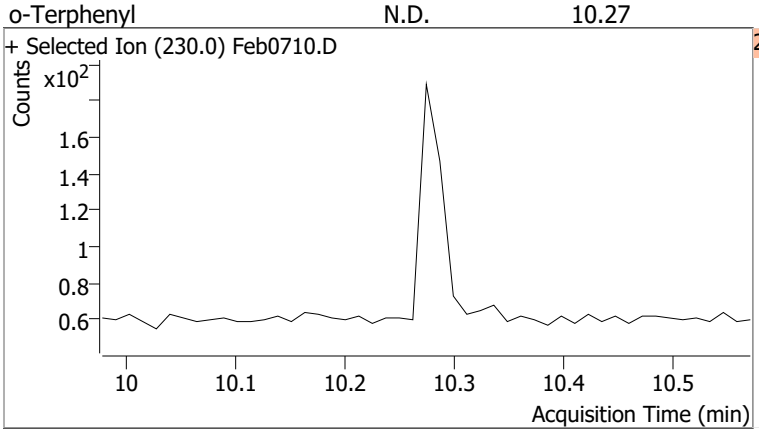


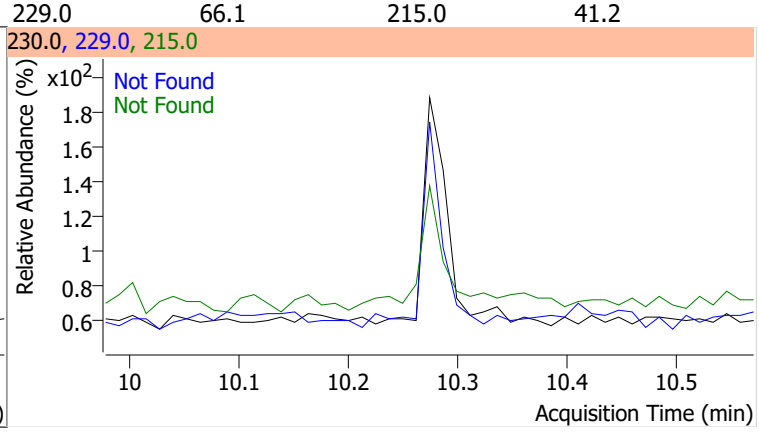
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.83	176.0	18.1



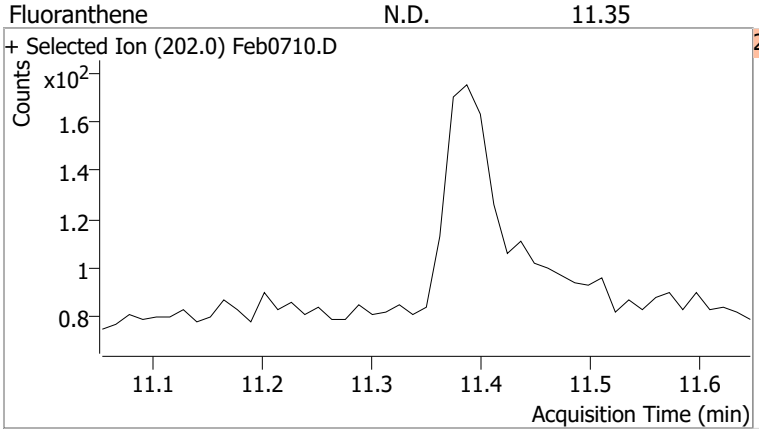


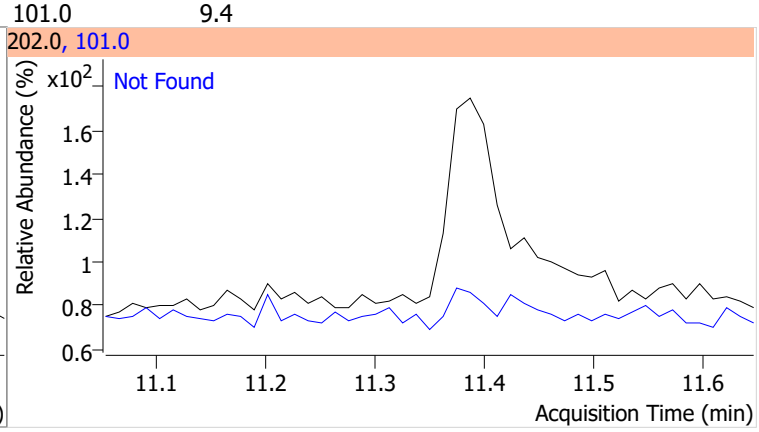
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.27	229.0	66.1	215.0	41.2



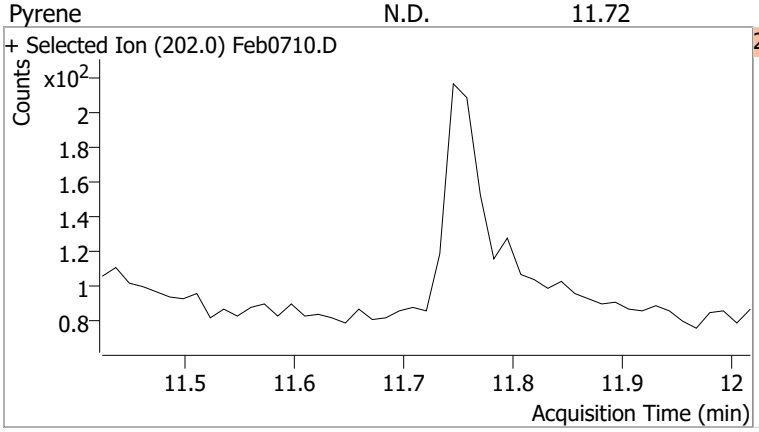


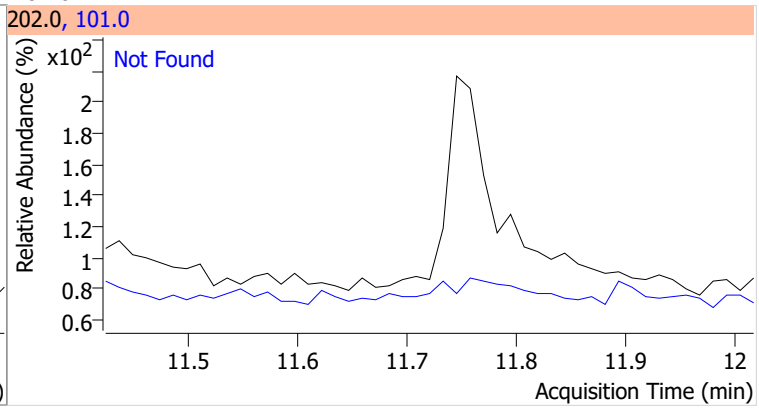
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.35	101.0	9.4



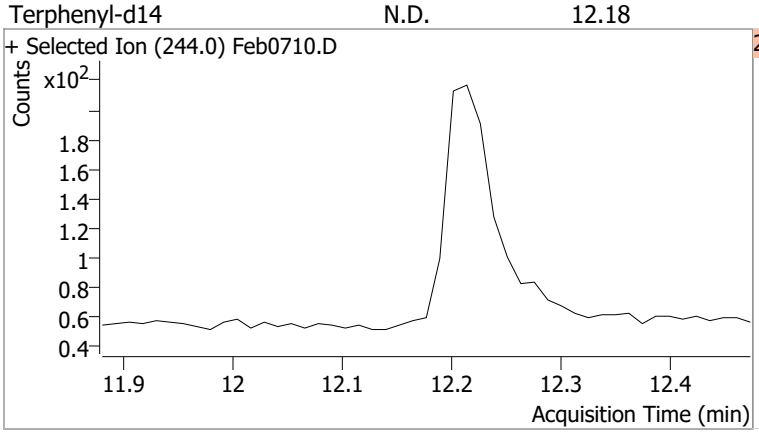


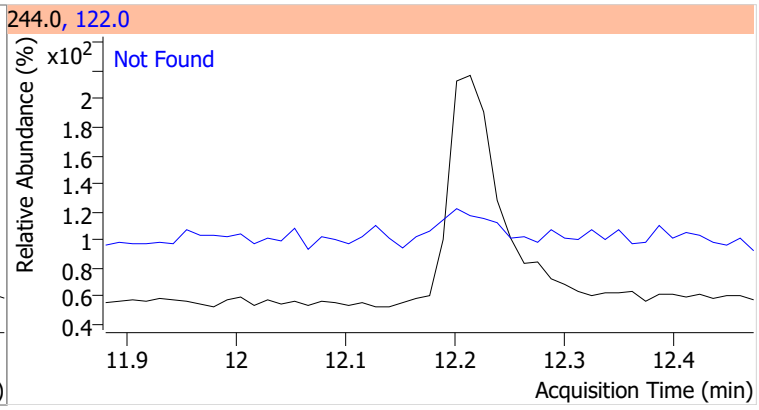
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.72	101.0	11.7



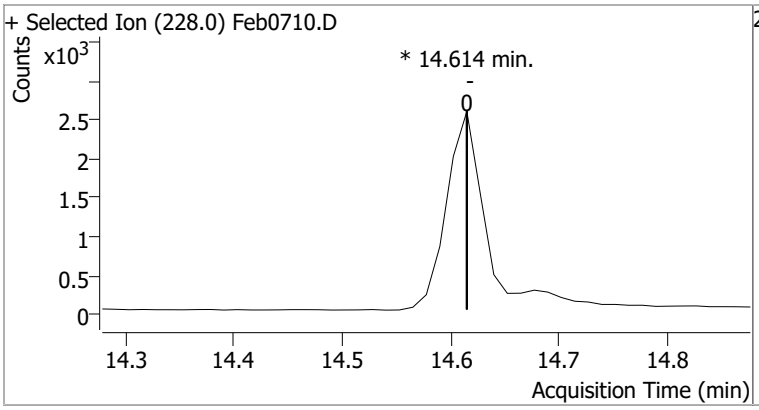


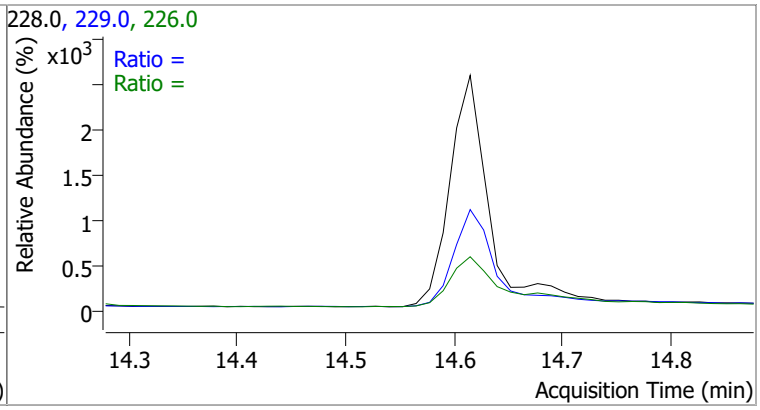
Compound	Conc.	Exp RT	QIon	Exp Ratio
Terphenyl-d14	N.D.	12.18	122.0	12.2



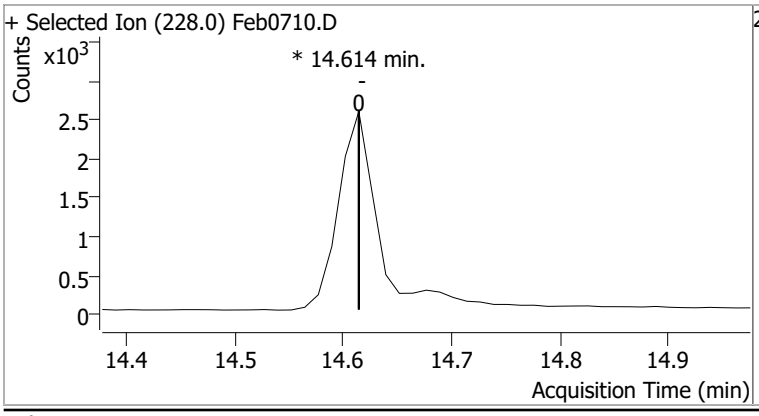


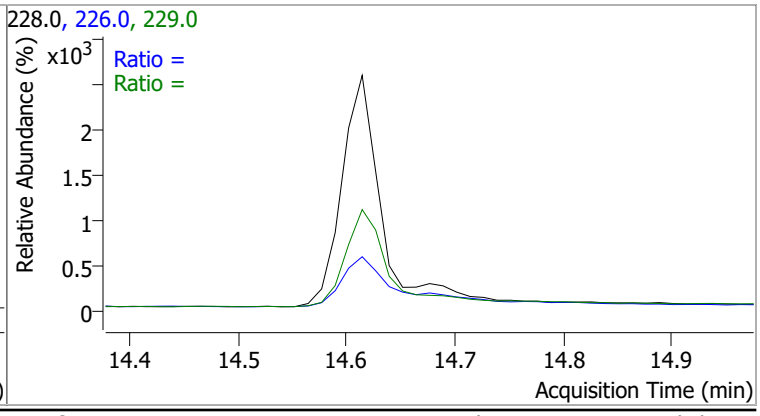
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



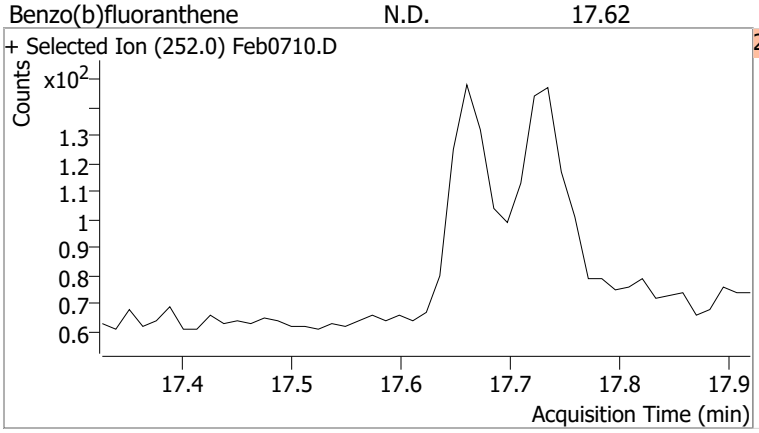


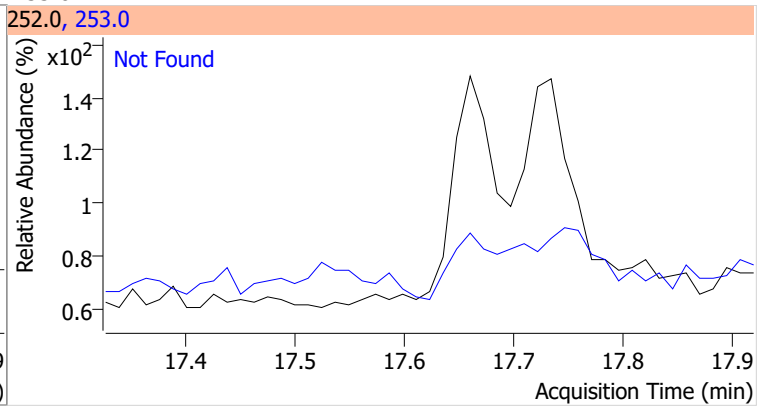
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



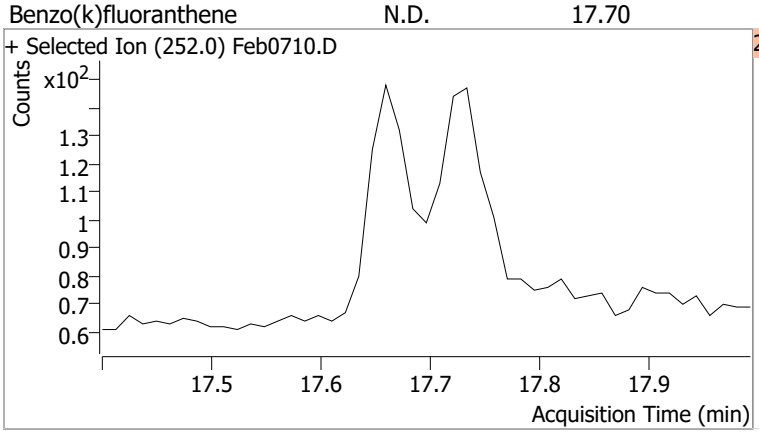


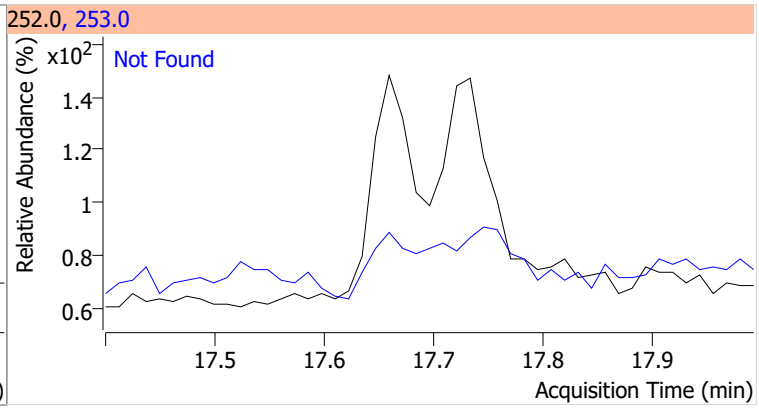
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.62	253.0	22.2



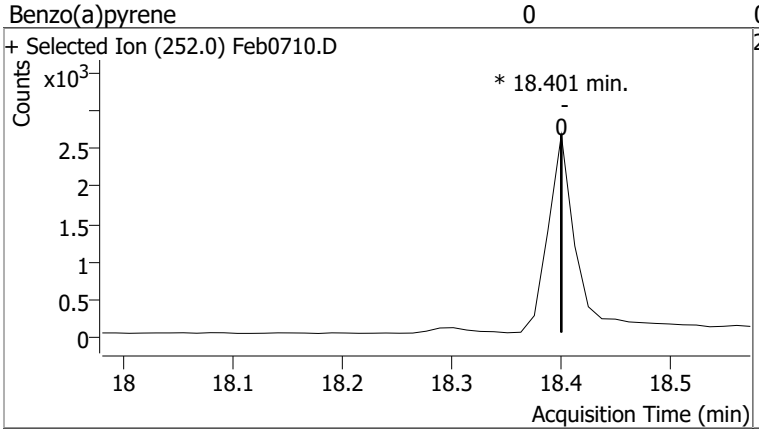


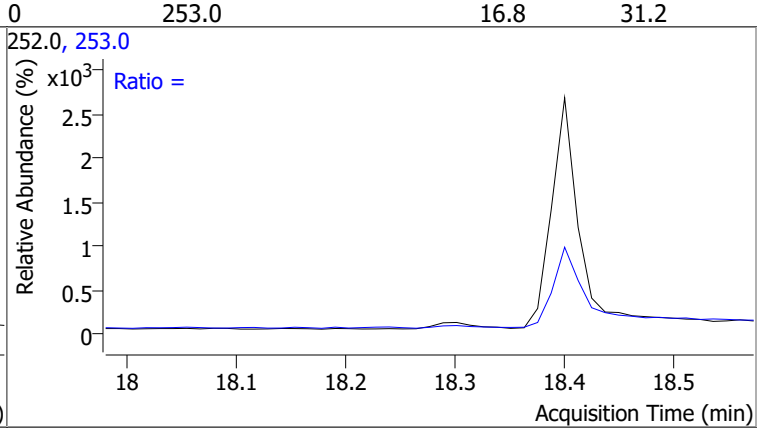
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.70	253.0	23.6



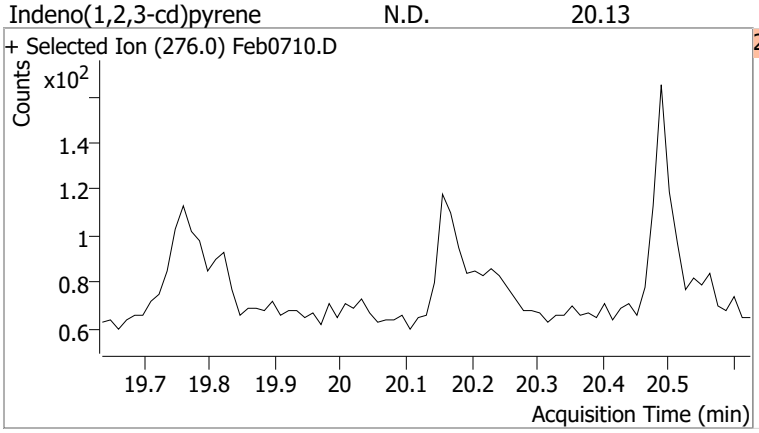


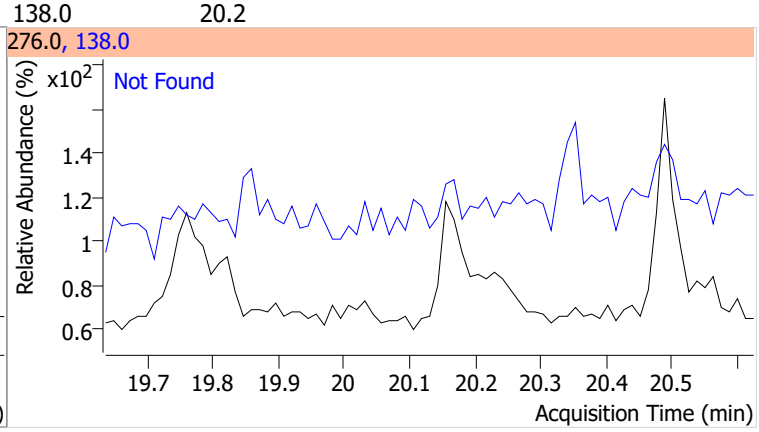
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



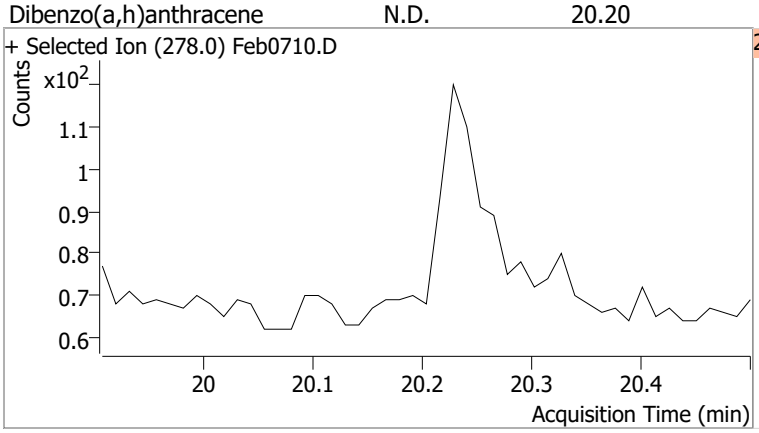


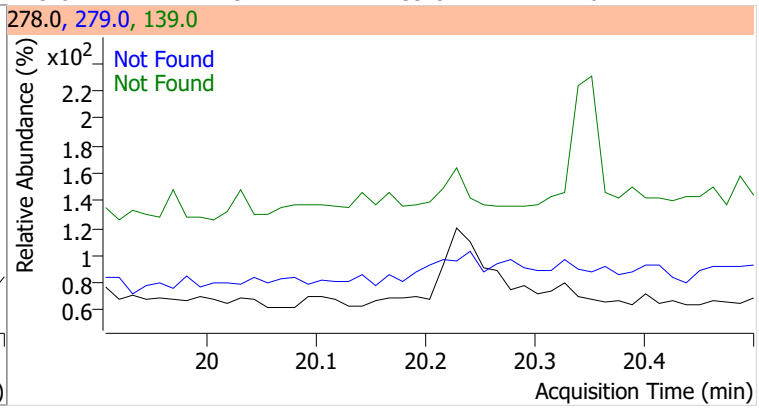
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.13	138.0	20.2



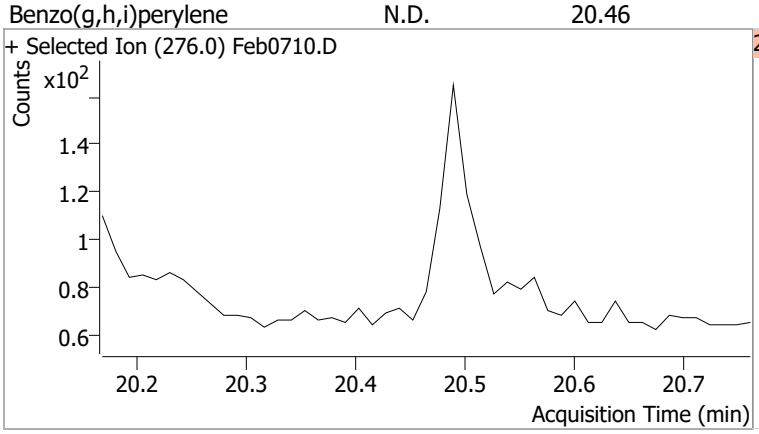


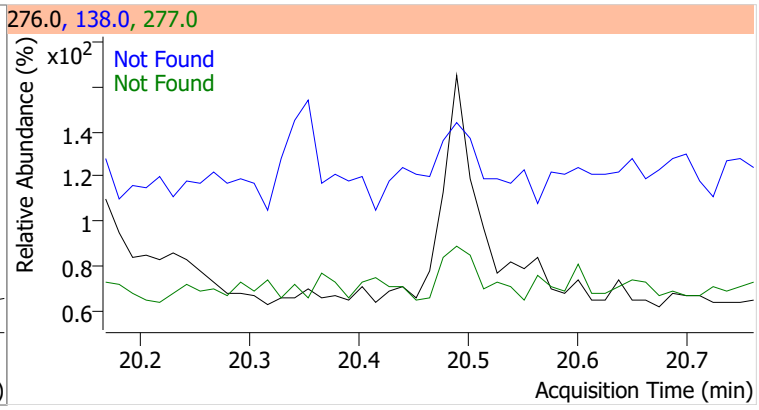
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.20	279.0	24.9	139.0	16.2





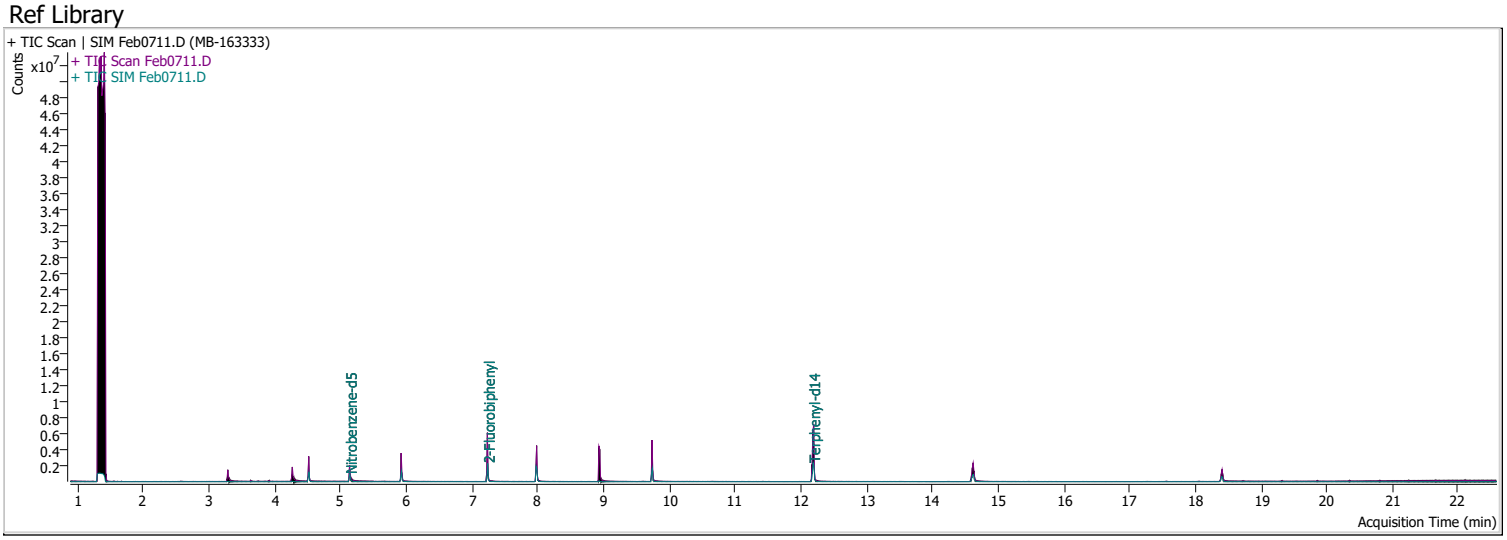
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.46	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb0711.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 8:34:35 PM
Sample Name	MB-163333	Instrument	GCMS
Vial	11	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			



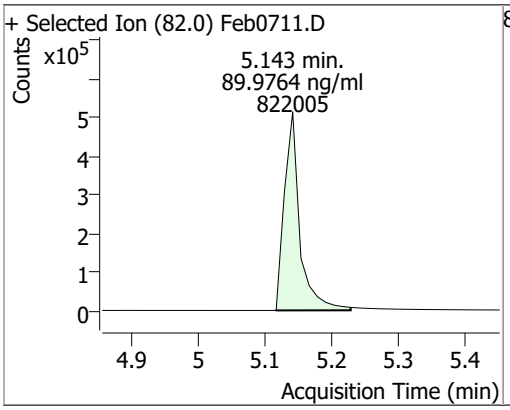
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	458283	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1579827	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.975	164.0	1092134	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	1999393	40.0000	ng/ml		0.012
M Chrysene-d12	14.627	240.0	1577112	40.0000	ng/ml		0.012
M Perylene-d12	18.400	264.0	908502	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	822005	89.9764	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1799.53%		*	
S 2-Fluorobiphenyl	7.239	172.0	1824811	59.0221	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1180.44%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.189	244.0	3716600	69.4927	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1389.85%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.000	154.0	0		ng/ml	md	1
T Fluorene	8.935	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.614	228.0	0		ng/ml	md	1
T Chrysene	14.677	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

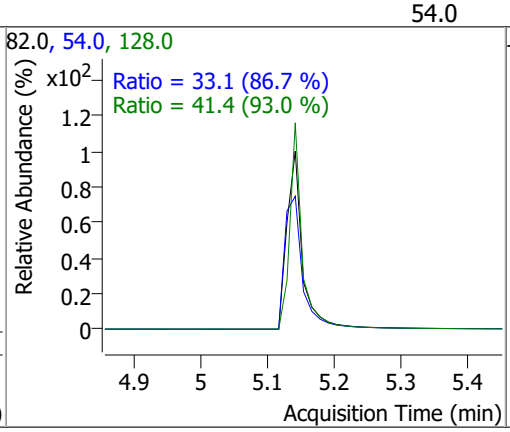
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.400	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

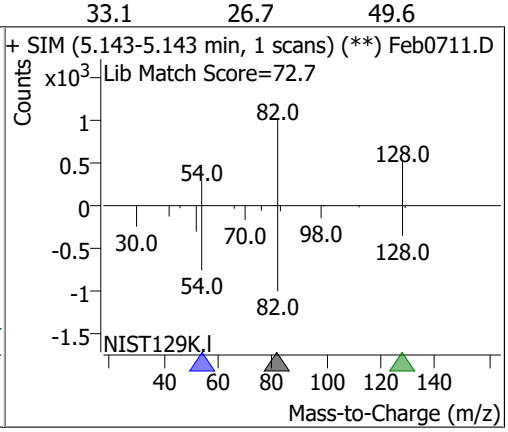
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (QT Reviewed)

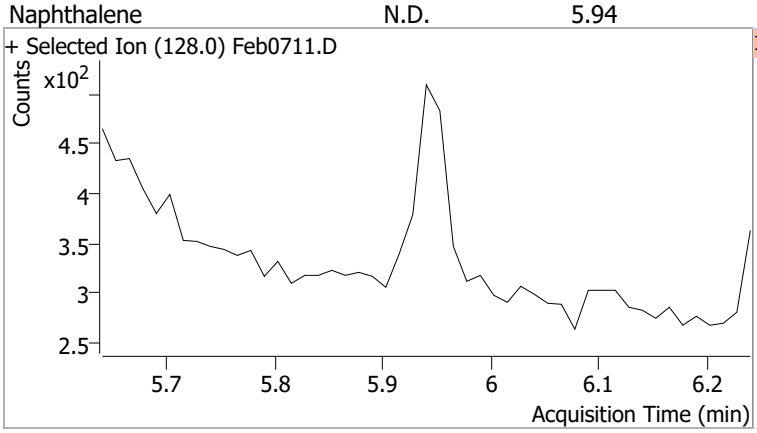
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	89.9764	5.14	-0.01	822005	128.0	41.4	31.2	57.9
					54.0	33.1	26.7	49.6

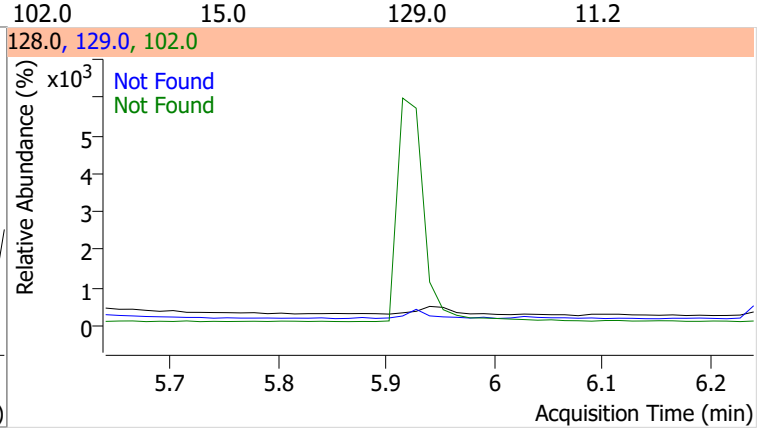




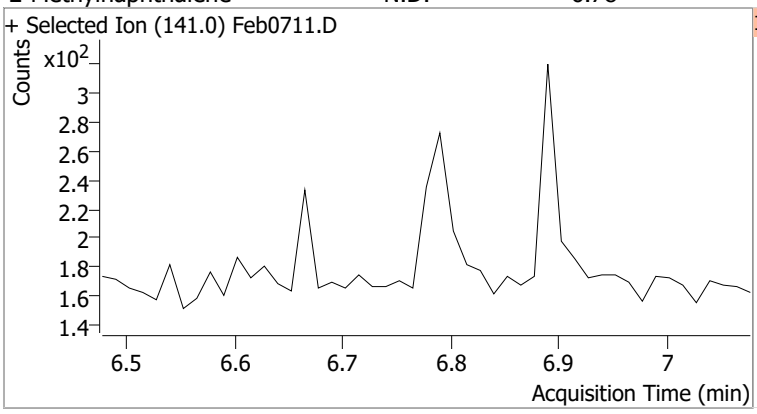


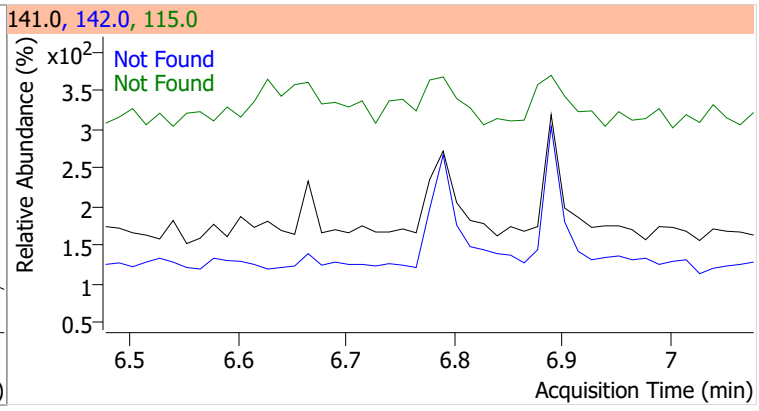
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.94	102.0	15.0	129.0	11.2



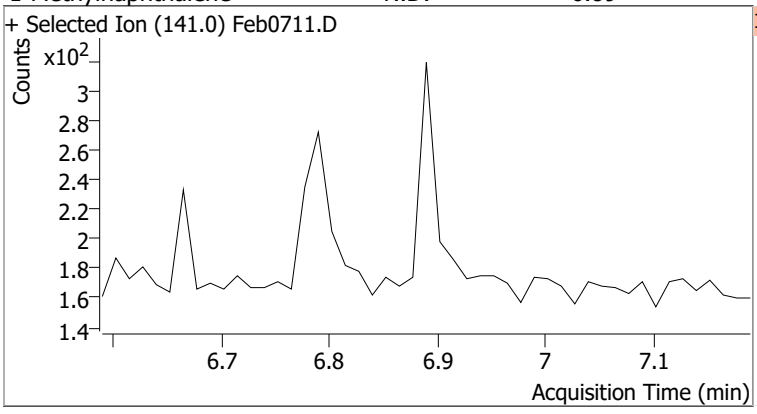


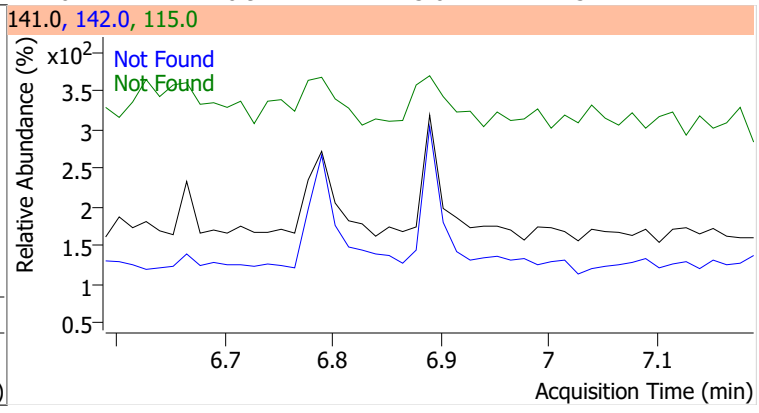
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.78	142.0	135.7	115.0	47.1



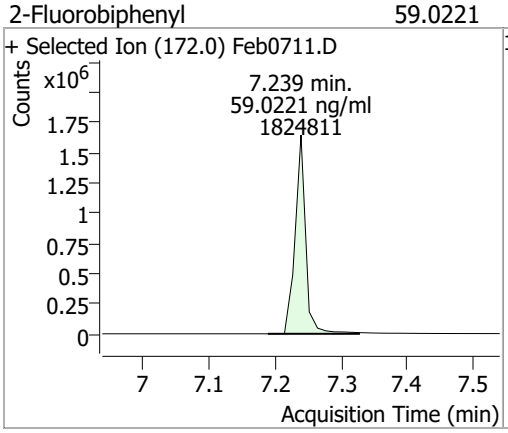


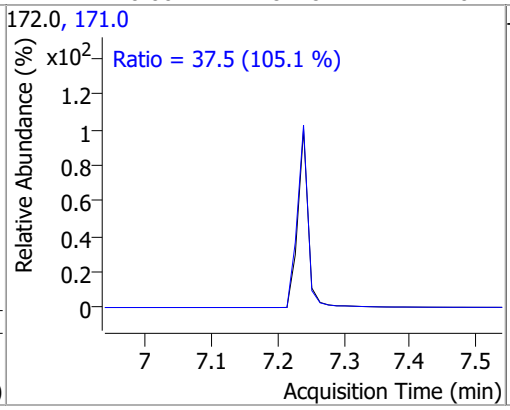
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.89	142.0	110.9	115.0	52.2

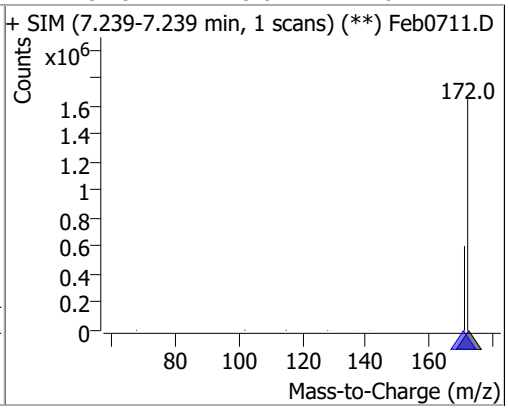




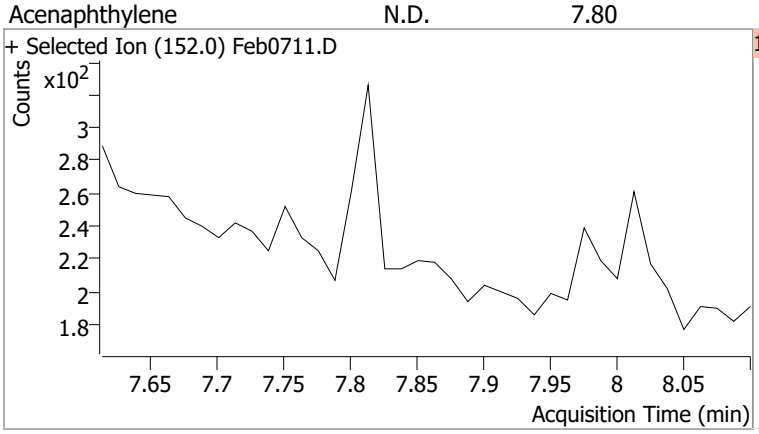
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	59.0221	7.24	0.00	1824811	171.0	37.5	25.0	46.4

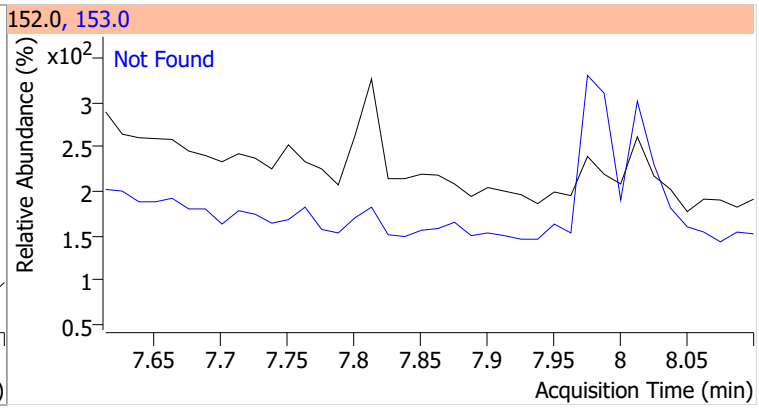




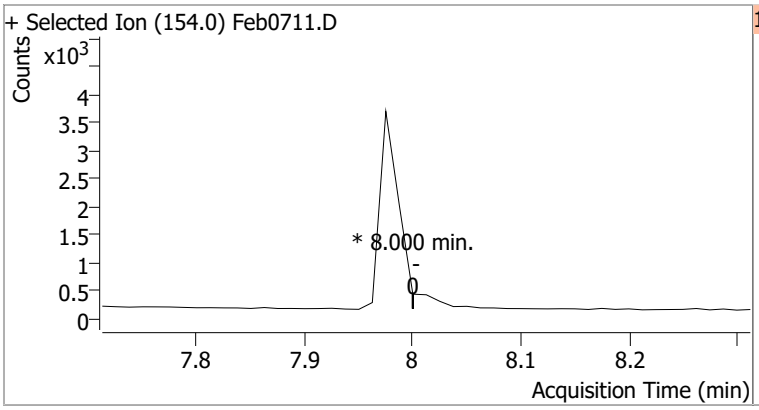


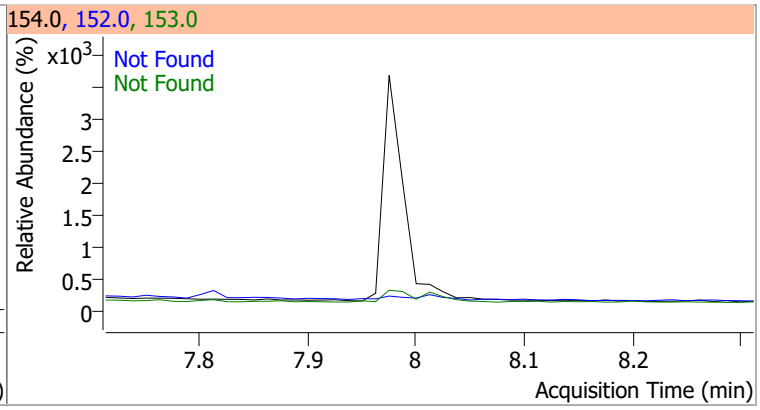
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.80	153.0	17.6



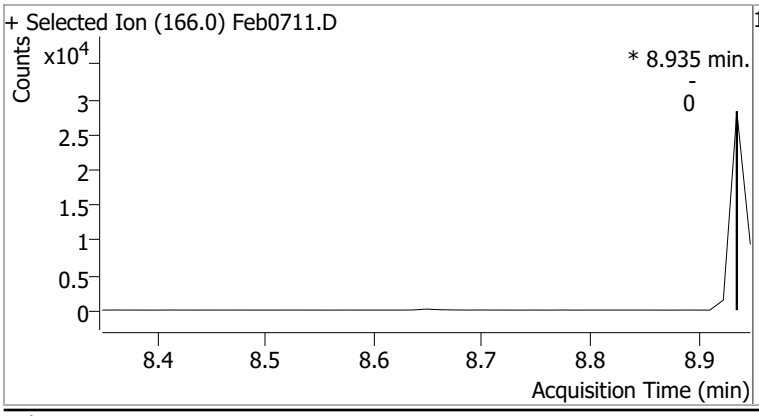


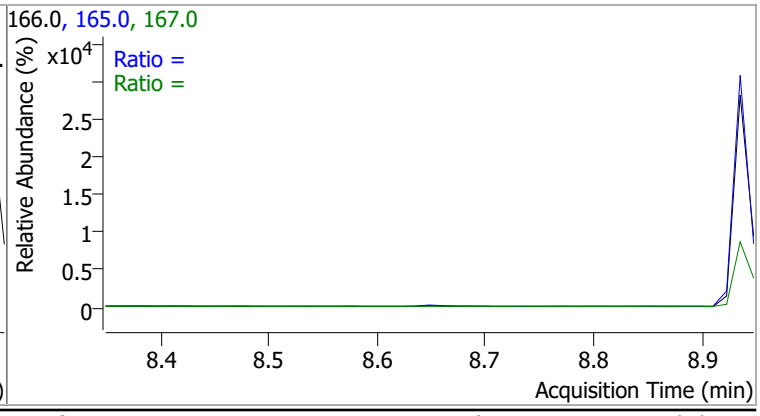
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



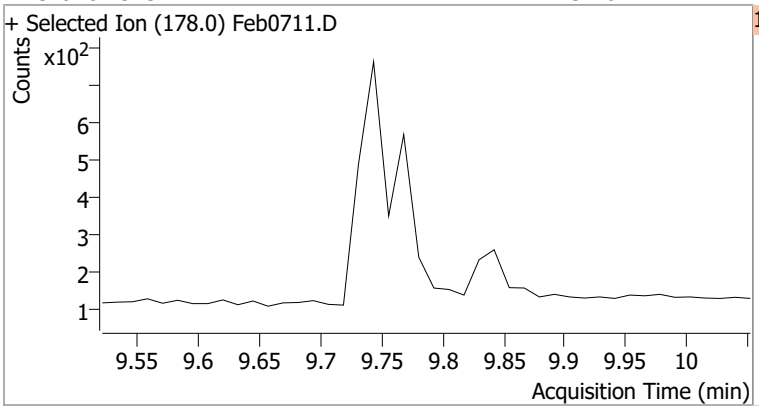


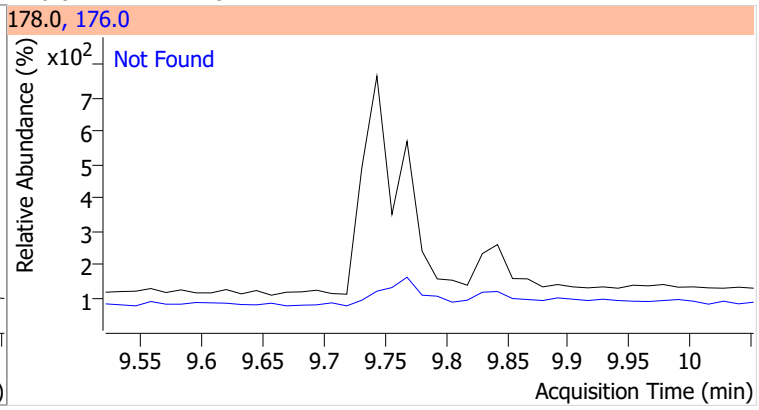
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



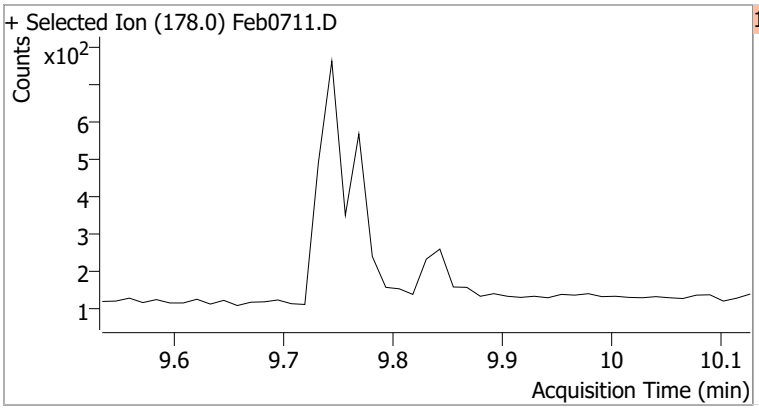


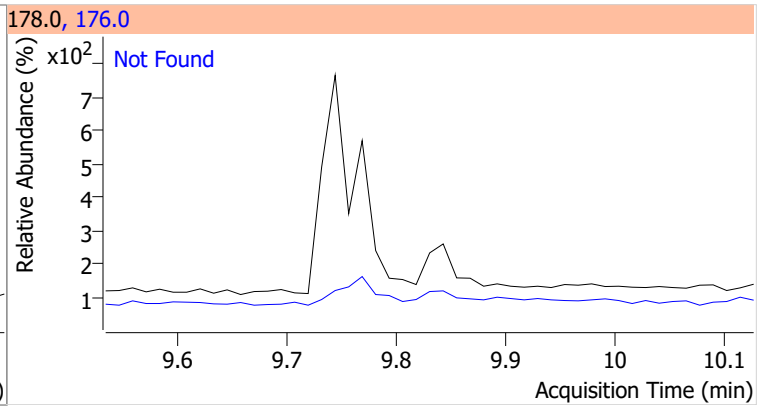
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.76	176.0	18.4



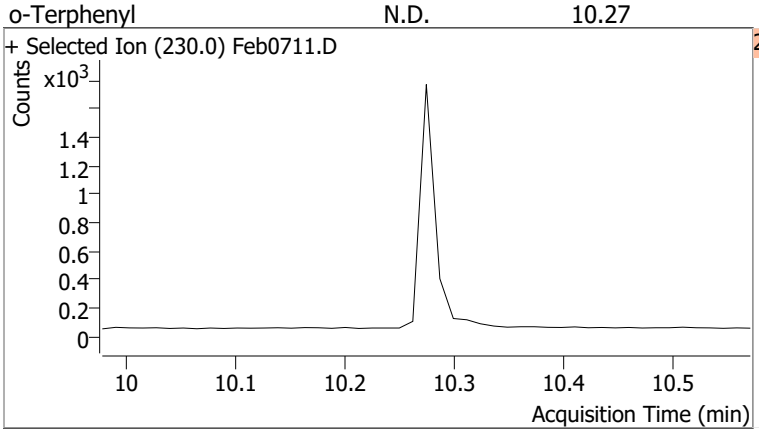


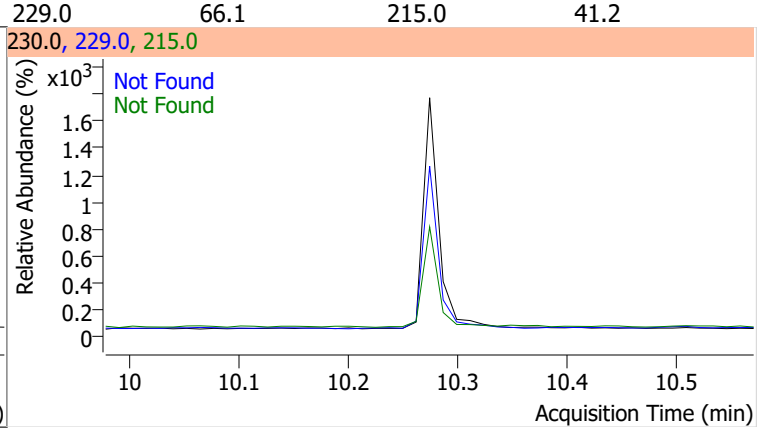
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.83	176.0	18.1



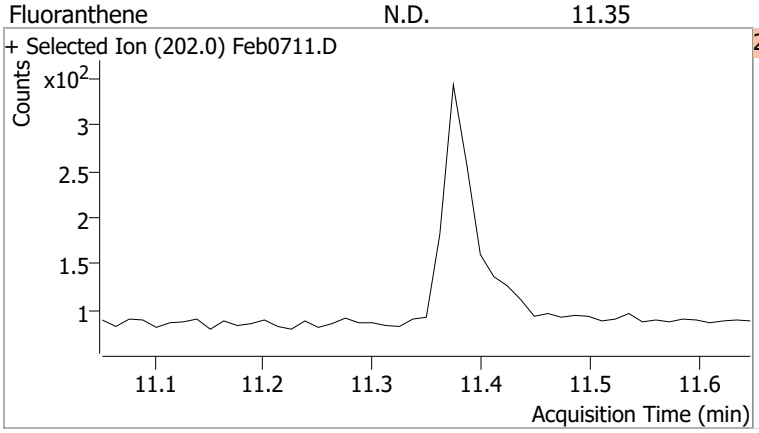


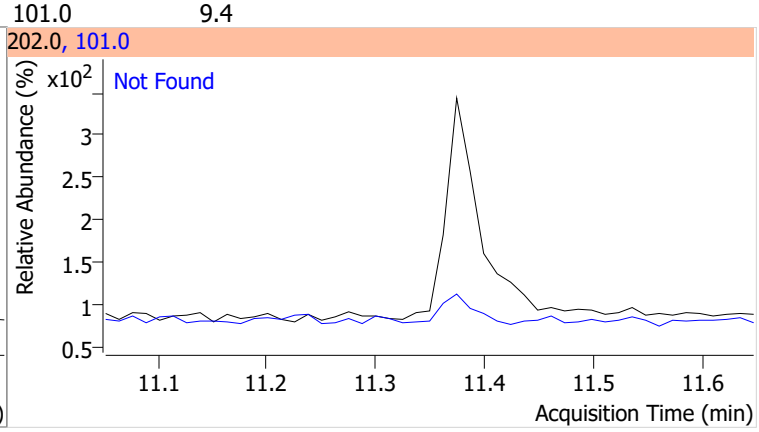
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.27	229.0	66.1	215.0	41.2



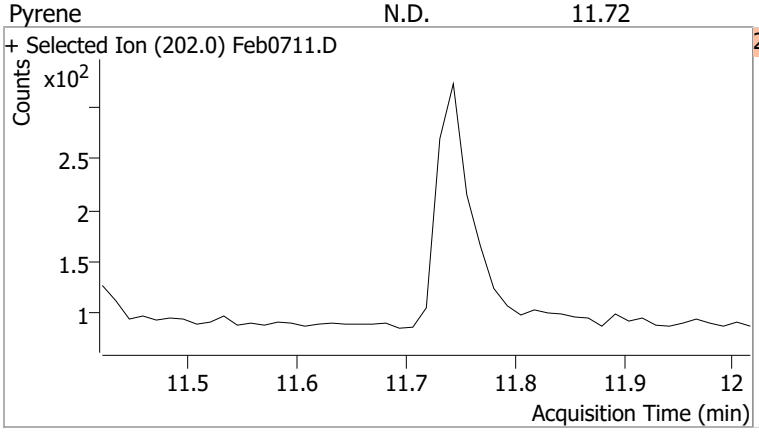


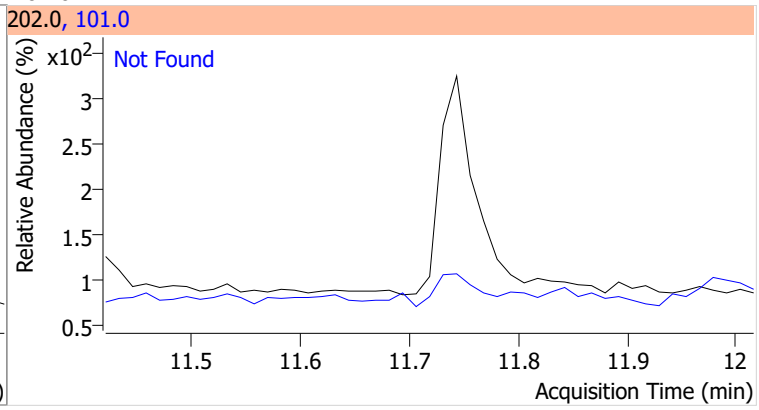
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.35	101.0	9.4



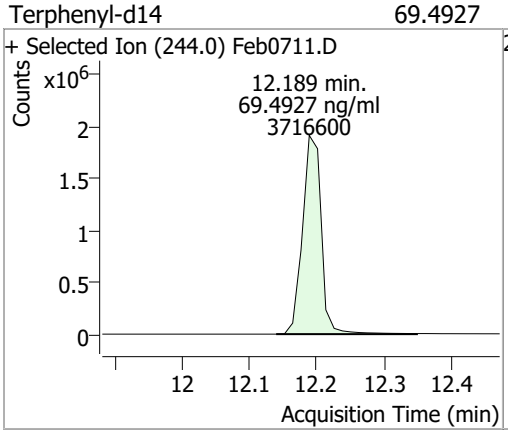


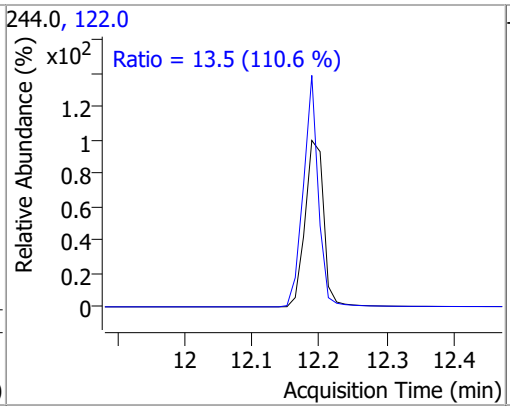
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.72	101.0	11.7

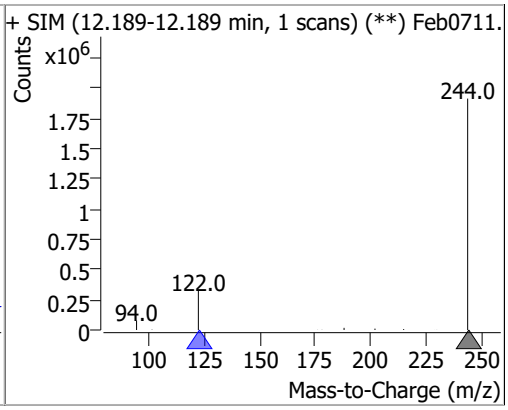




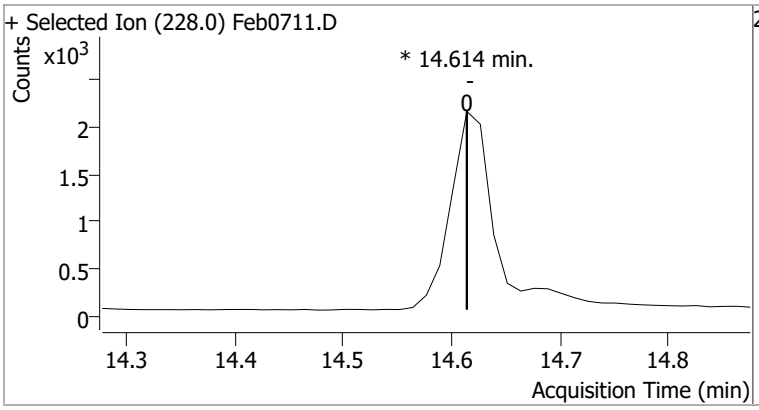
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	69.4927	12.19	0.01	3716600	122.0	13.5	8.6	15.9

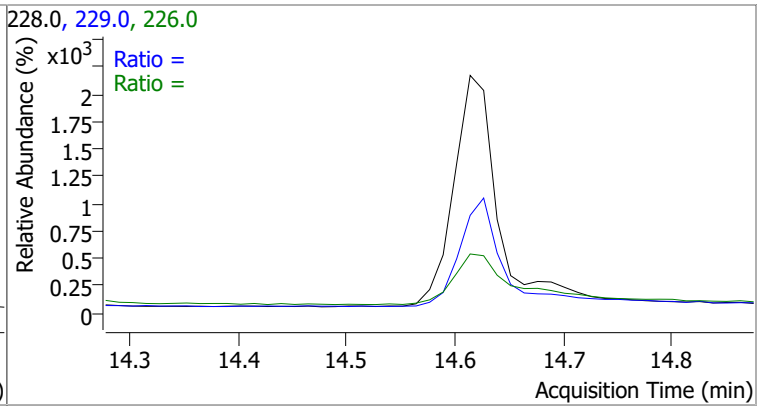




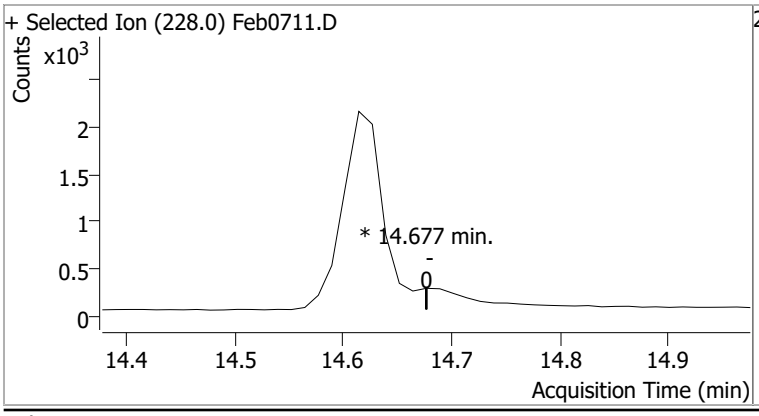


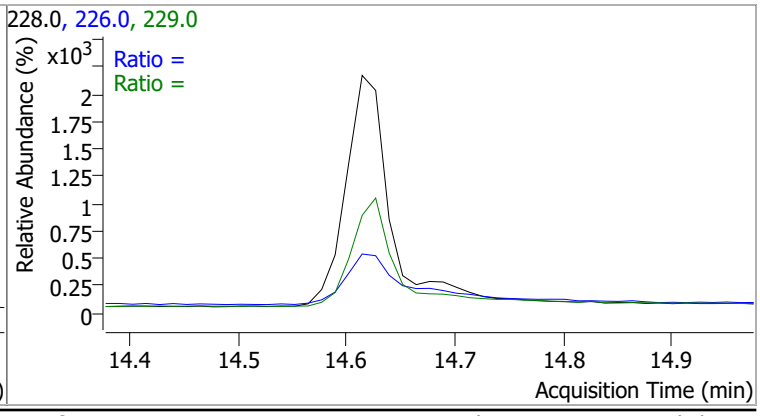
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



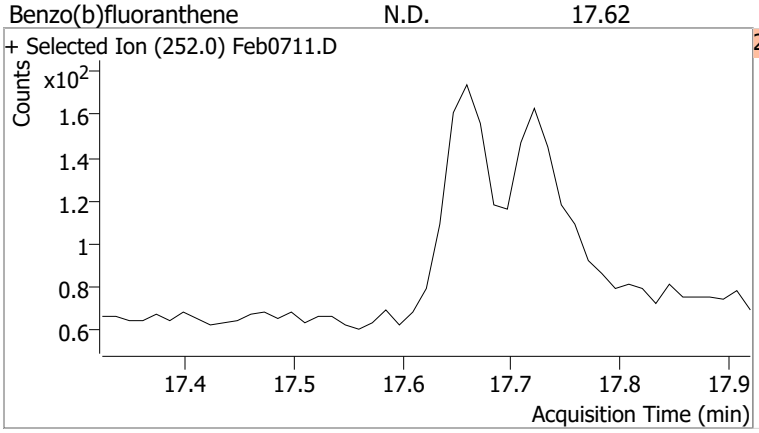


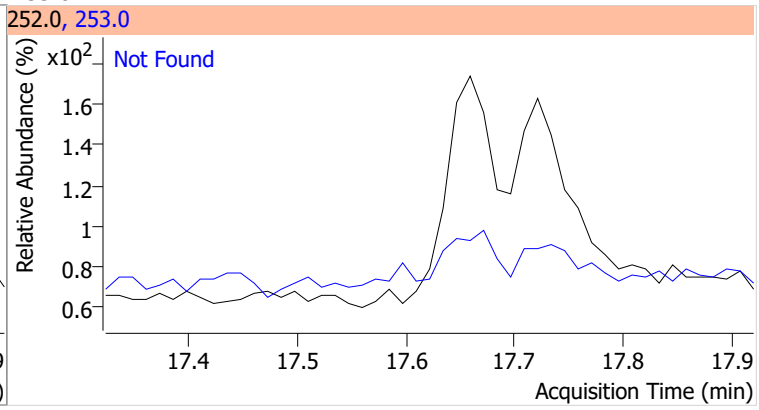
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



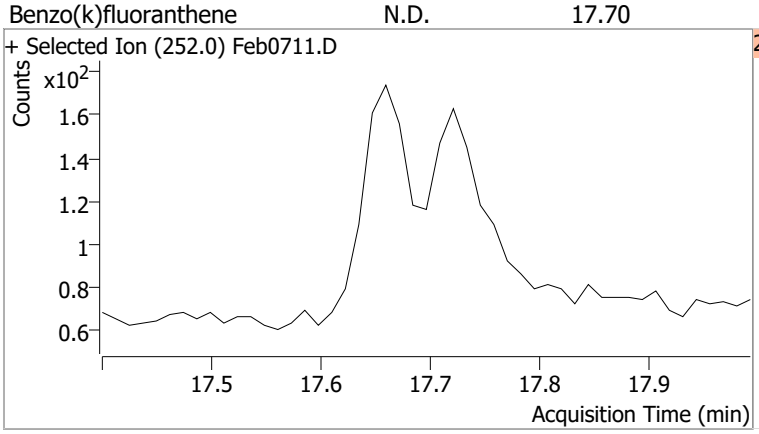


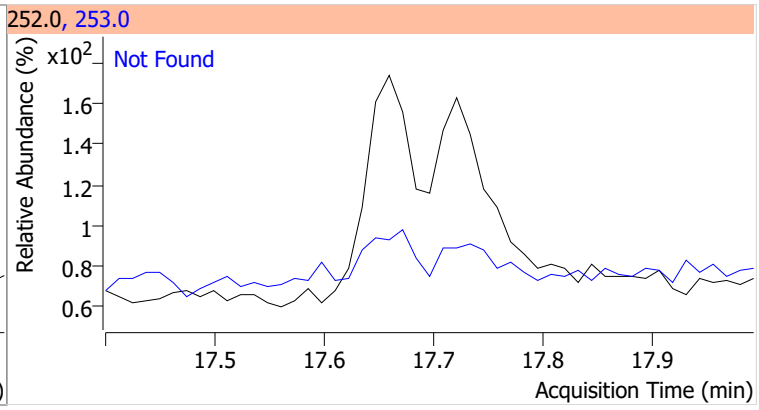
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.62	253.0	22.2



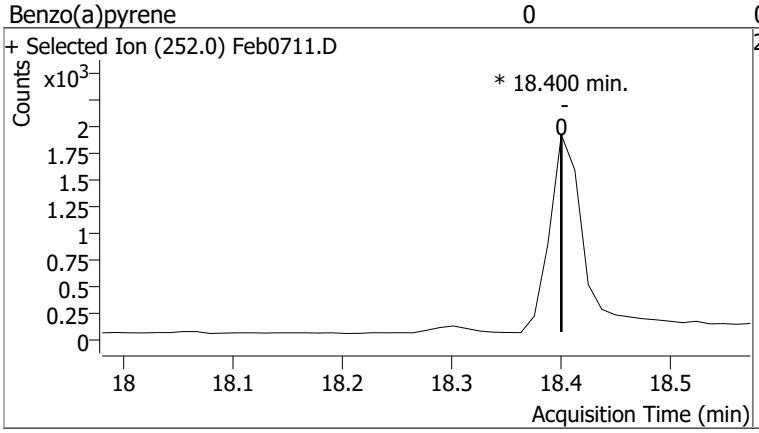


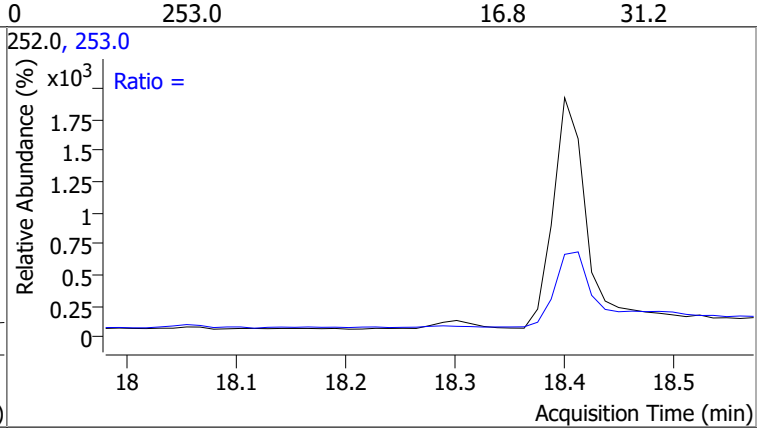
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.70	253.0	23.6



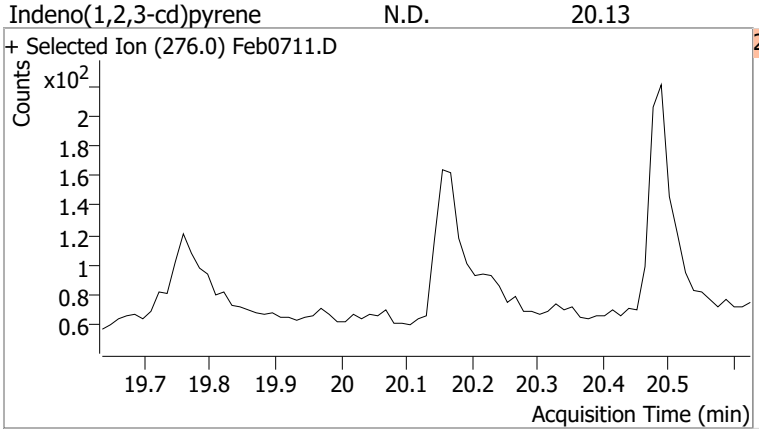


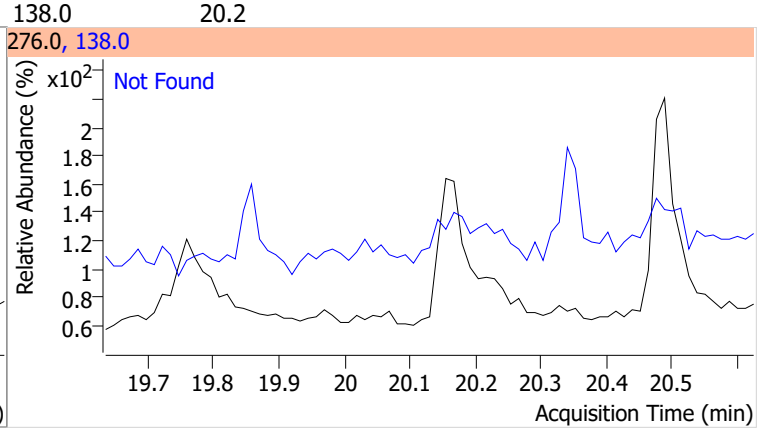
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



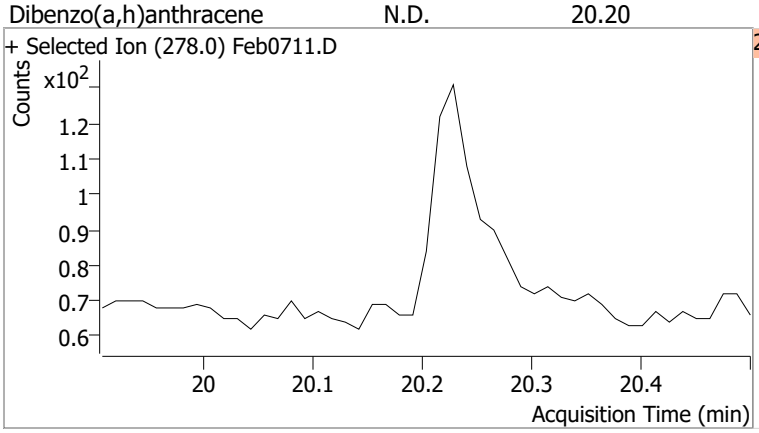


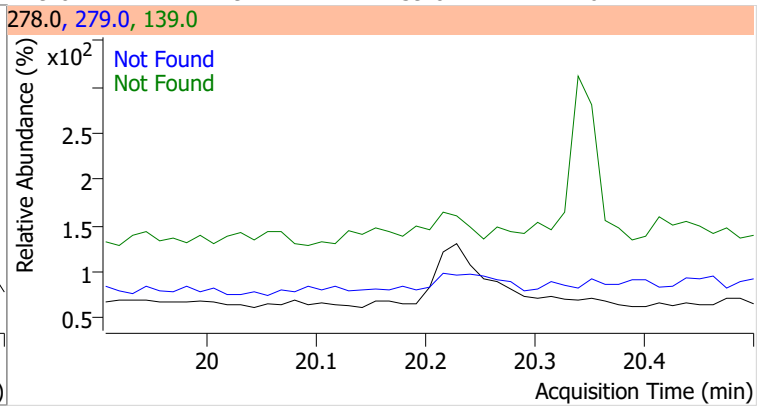
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.13	138.0	20.2



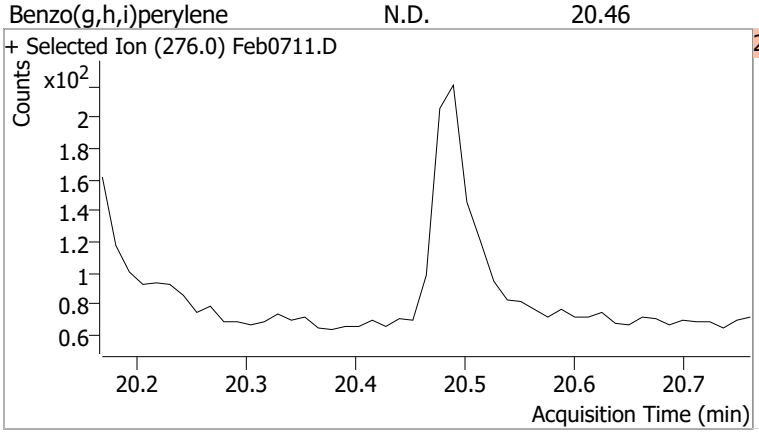


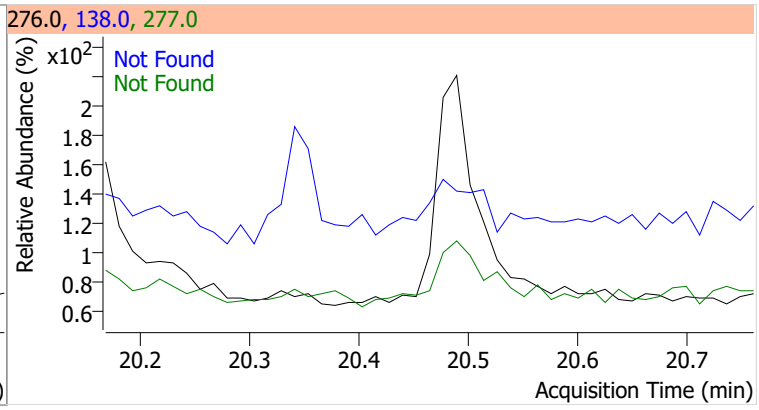
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.20	279.0	24.9	139.0	16.2





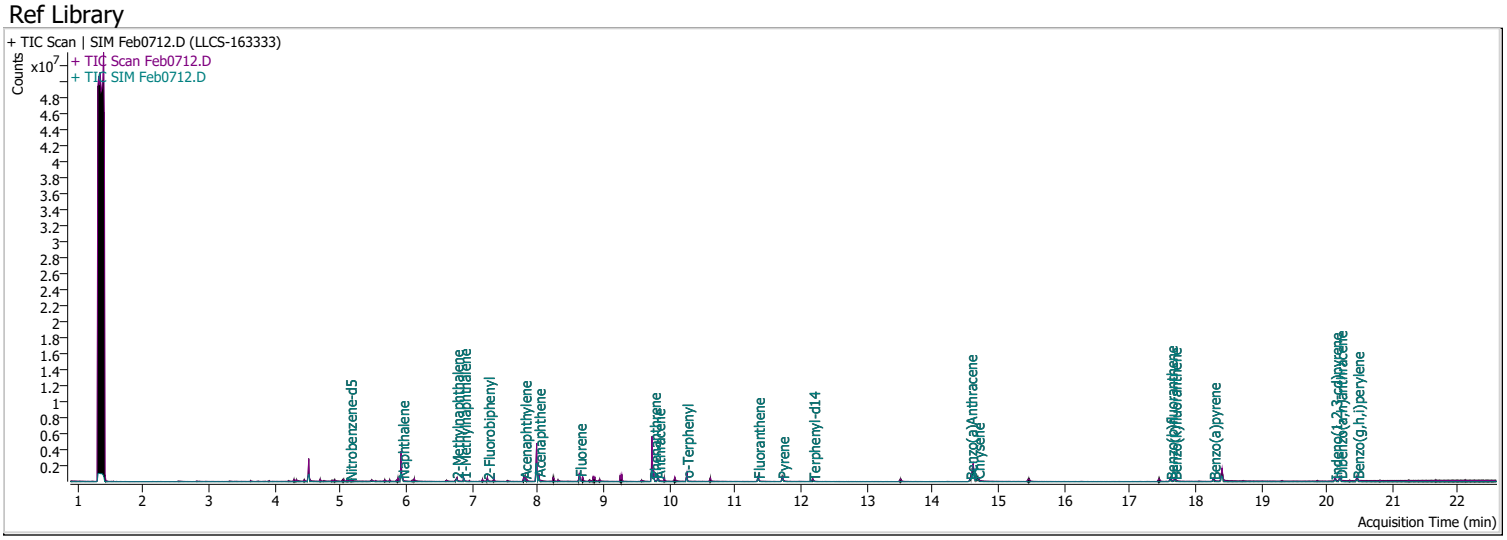
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.46	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb0712.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 9:07:07 PM
Sample Name	LLCS-163333	Instrument	GCMS
Vial	12	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

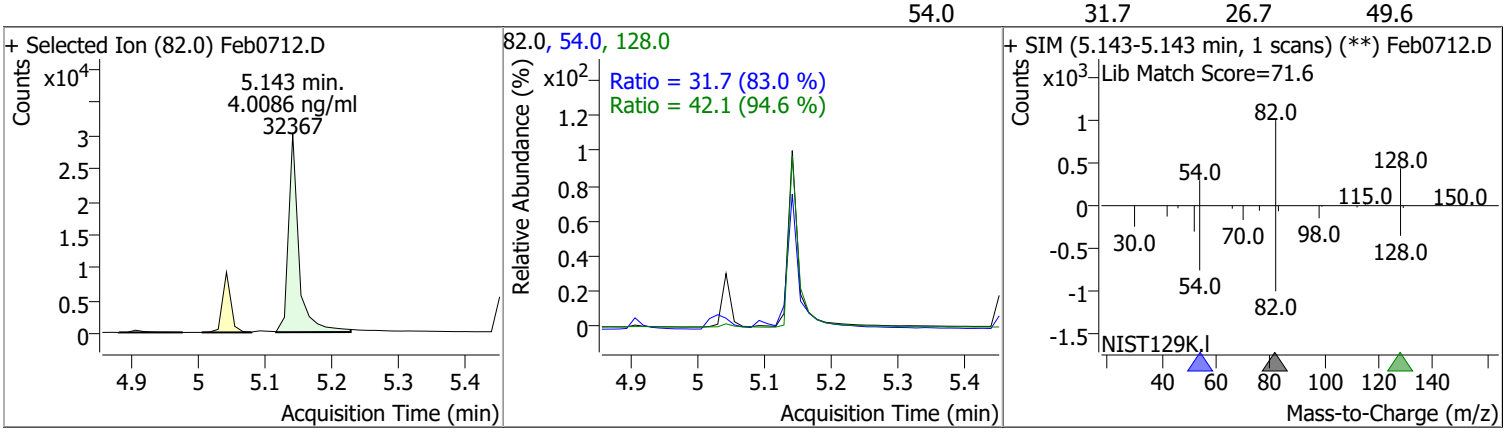


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	405039	40.0000	ng/ml		0.000
M Naphthalene-d8	5.916	136.0	1486172	40.0000	ng/ml		-0.013
M Acenaphthene-d10	7.976	164.0	1005726	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	1946946	40.0000	ng/ml		0.012
M Chrysene-d12	14.627	240.0	1581007	40.0000	ng/ml		0.012
M Perylene-d12	18.400	264.0	933403	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	32367	4.0086	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 80.17%			
S 2-Fluorobiphenyl	7.240	172.0	120160	3.8317	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 76.63%			
S o-Terphenyl	10.262	230.0	244137	7.4750	ng/ml		-0.012
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 149.50%		*	
S Terphenyl-d14	12.189	244.0	154043	4.5913	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 91.83%			
Target Compounds							**QValue**
T Naphthalene	5.941	128.0	242154	5.9422	ng/ml		95
T 2-Methylnaphthalene	6.765	141.0	148540	5.9057	ng/ml		94
T 1-Methylnaphthalene	6.877	141.0	147264	6.0803	ng/ml		97
T Acenaphthylene	7.801	152.0	282092	7.3168	ng/ml		96
T Acenaphthene	8.013	154.0	214588	8.0215	ng/ml		98
T Fluorene	8.636	166.0	278380	8.3209	ng/ml		84
T Phenanthrene	9.768	178.0	406752	7.5407	ng/ml		99
T Anthracene	9.830	178.0	367232	7.9281	ng/ml		99
T Fluoranthene	11.349	202.0	453780	8.6411	ng/ml		99
T Pyrene	11.720	202.0	477501	8.7854	ng/ml		99
T Benzo(a)Anthracene	14.577	228.0	336733	8.8512	ng/ml		99
T Chrysene	14.689	228.0	458610	8.9374	ng/ml		97
T Benzo(b)fluoranthene	17.622	252.0	341117	9.4420	ng/ml		99

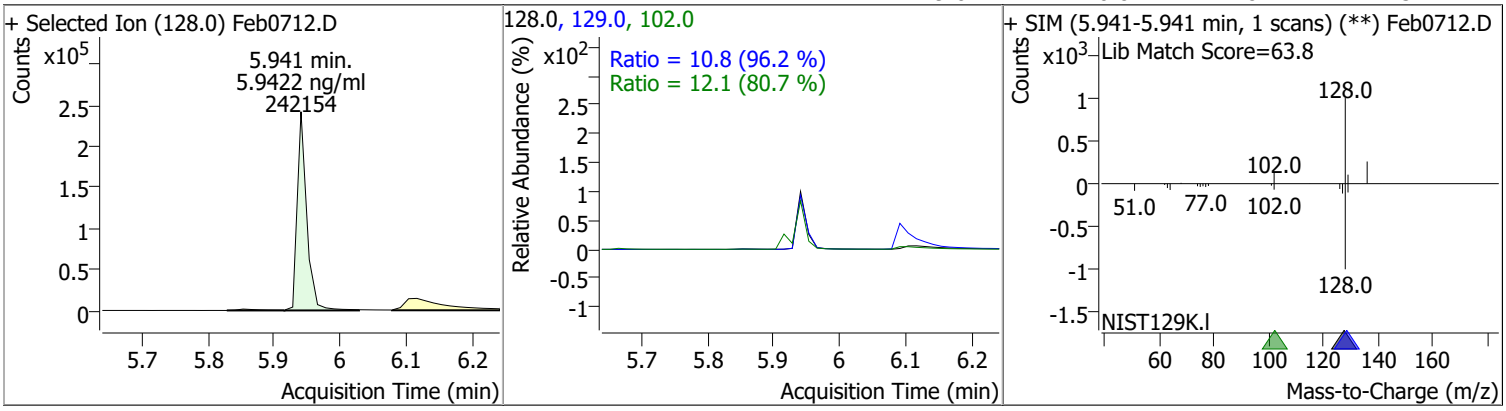
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.684	252.0	343221	9.1026	ng/ml	98
T Benzo(a)pyrene	18.277	252.0	258722	8.5993	ng/ml	100
T Indeno(1,2,3-cd)pyrene	20.130	276.0	243690	8.8392	ng/ml	98
T Dibenzo(a,h)anthracene	20.204	278.0	289397	9.1159	ng/ml	98
T Benzo(g,h,i)perylene	20.464	276.0	335817	9.0912	ng/ml	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

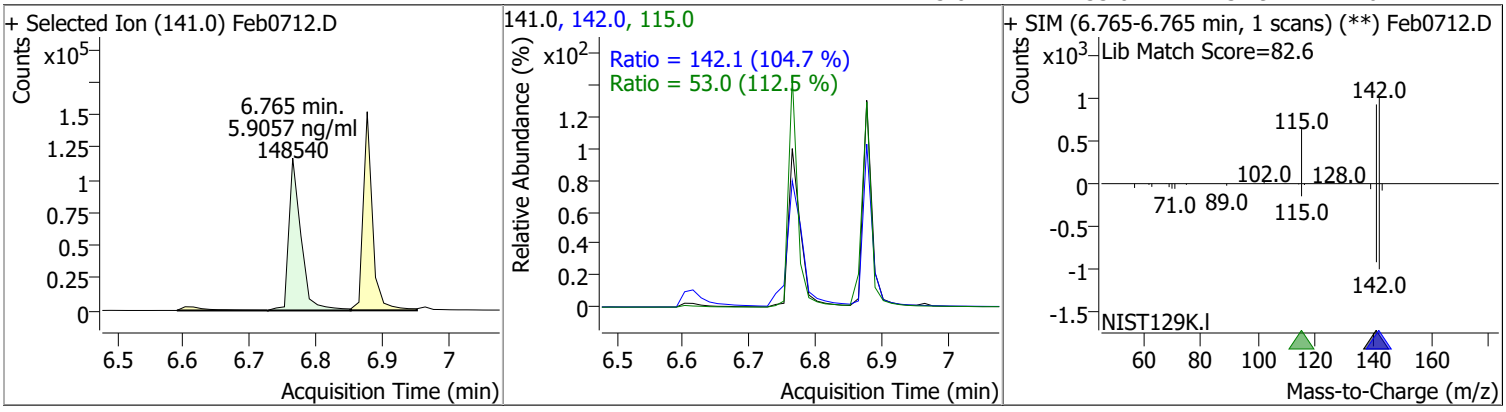
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	4.0086	5.14	-0.01	32367	128.0	42.1	31.2	57.9
					54.0	31.7	26.7	49.6



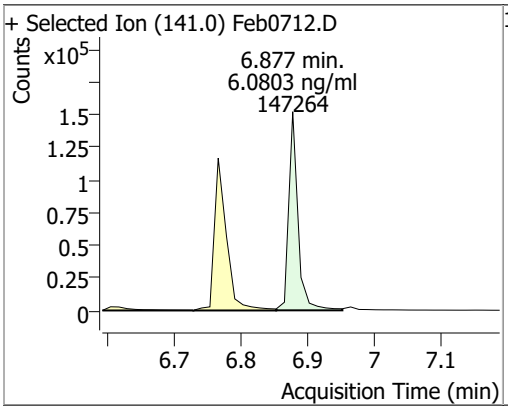
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	5.9422	5.94	0.00	242154	102.0	12.1	0.0	45.0
					129.0	10.8	7.8	14.5

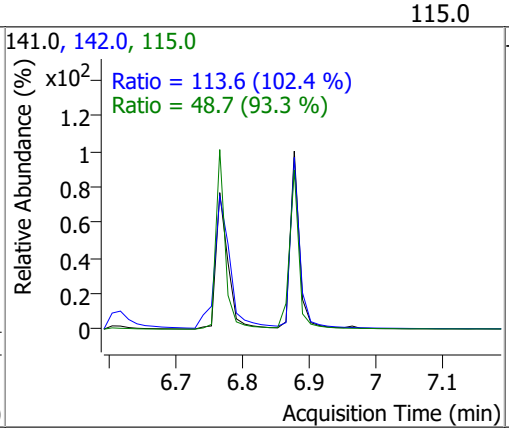


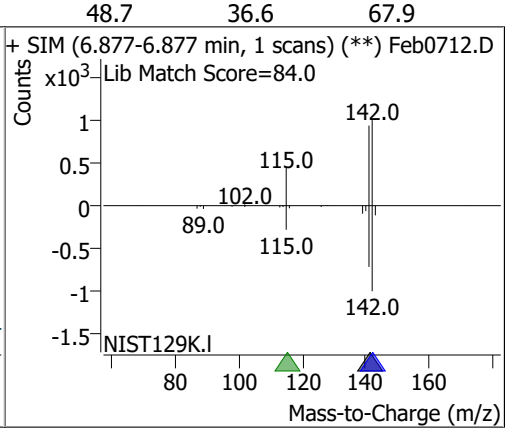
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	5.9057	6.76	-0.01	148540	142.0	142.1	95.0	176.4
					115.0	53.0	32.9	61.2



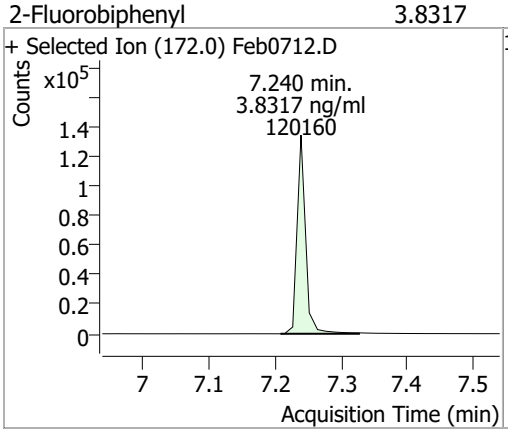
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	6.0803	6.88	-0.01	147264	142.0	113.6	77.7	144.2
					115.0	48.7	36.6	67.9

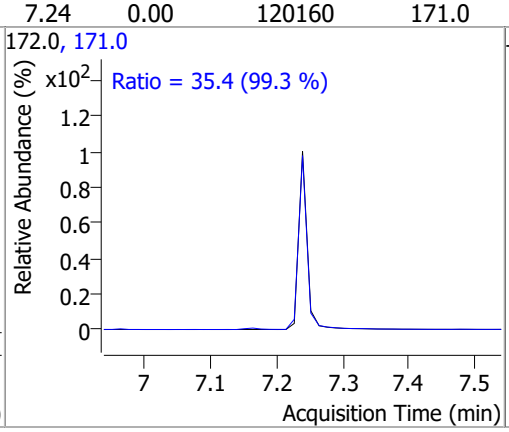


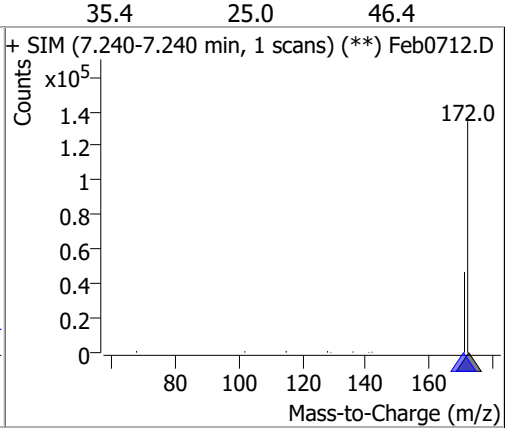




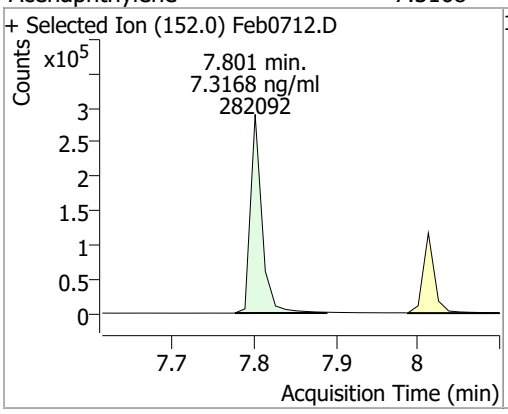
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.8317	7.24	0.00	120160	171.0	35.4	25.0	46.4

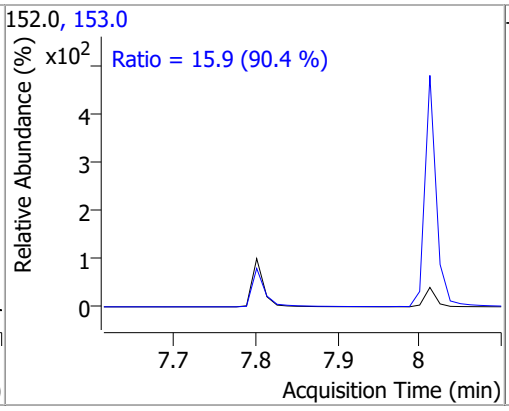


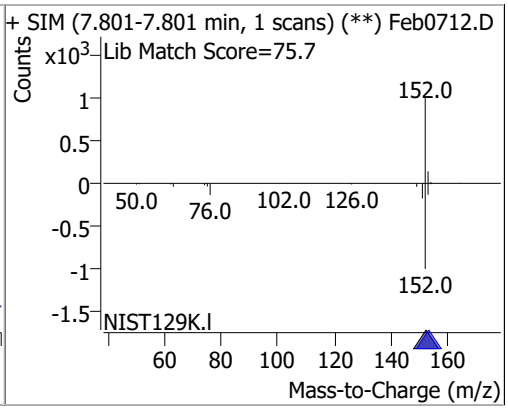




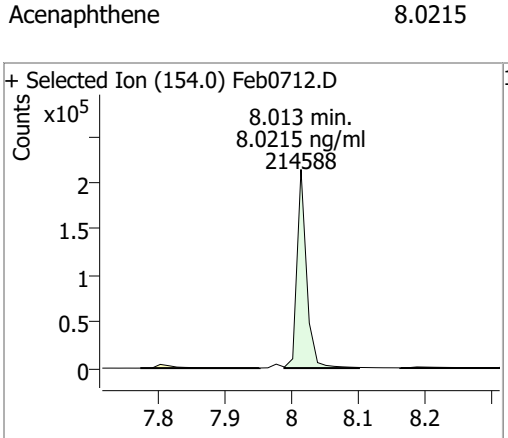
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	7.3168	7.80	0.00	282092	153.0	15.9	12.3	22.9

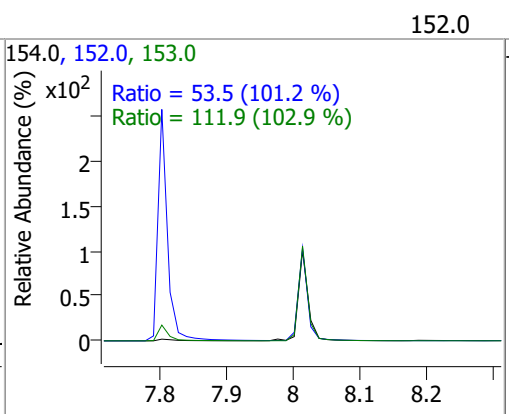


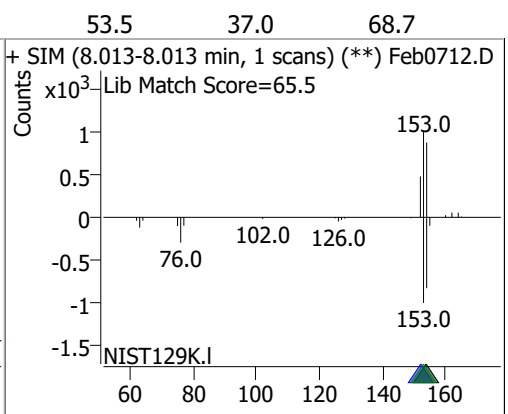




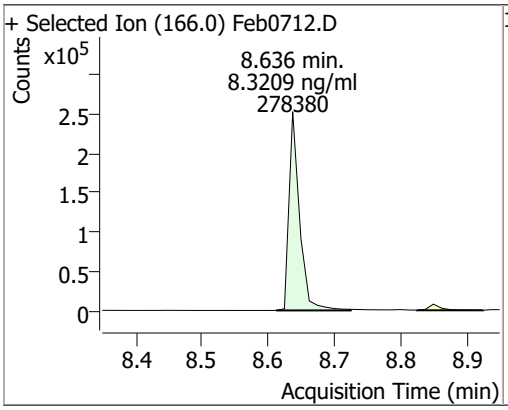
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	8.0215	8.01	0.00	214588	153.0	111.9	76.2	141.5
					152.0	53.5	37.0	68.7

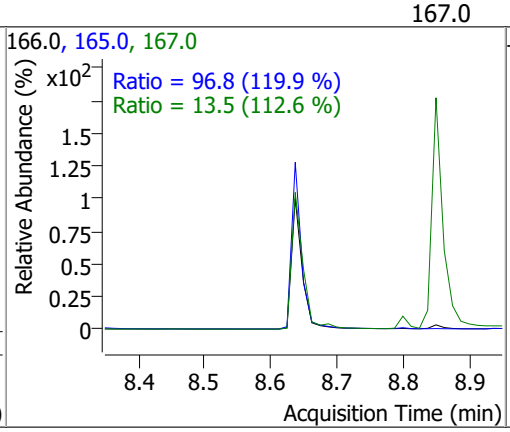


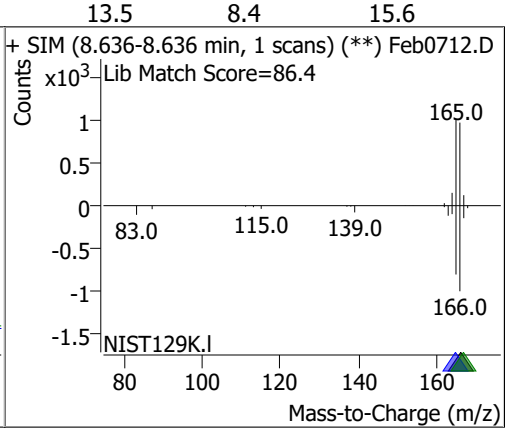




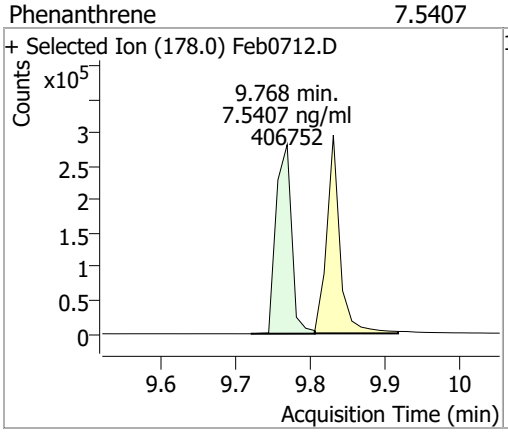
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	8.3209	8.64	-0.01	278380	165.0	96.8	56.5	104.9
					167.0	13.5	8.4	15.6

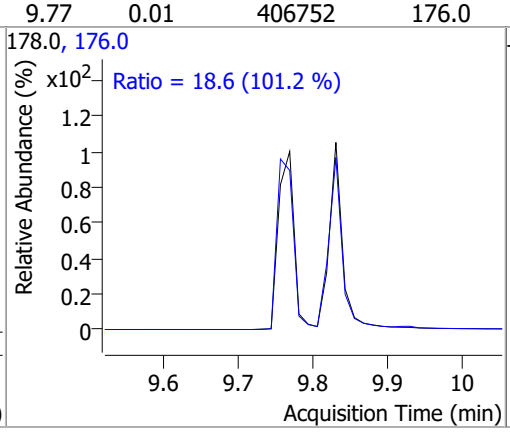


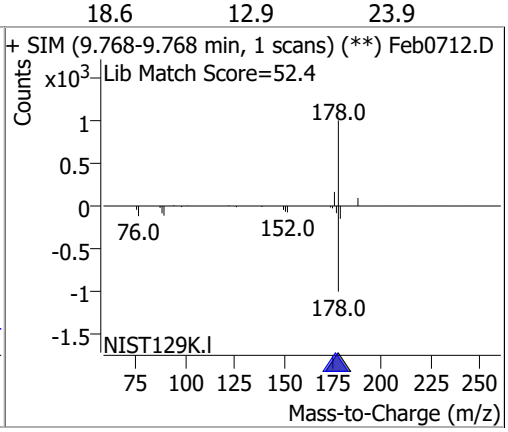




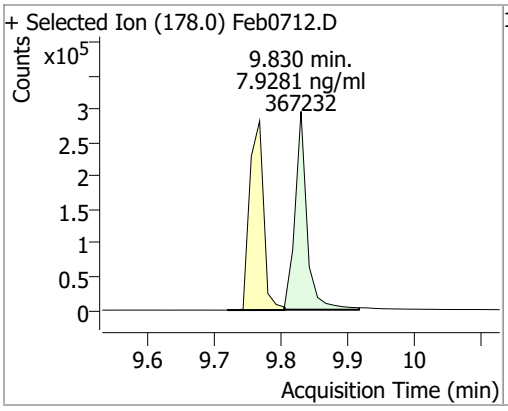
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	7.5407	9.77	0.01	406752	176.0	18.6	12.9	23.9

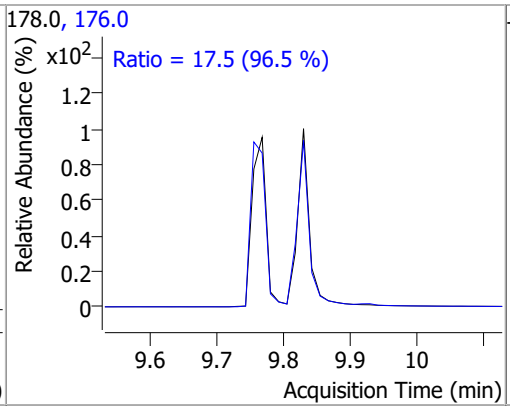


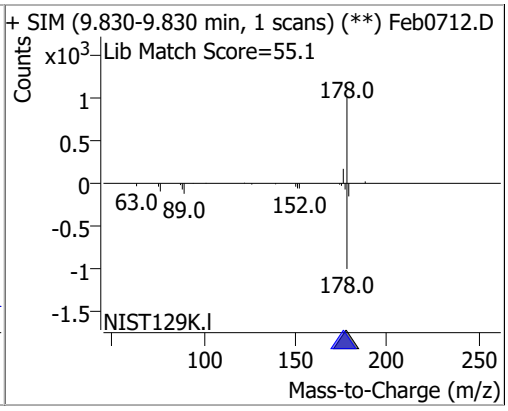




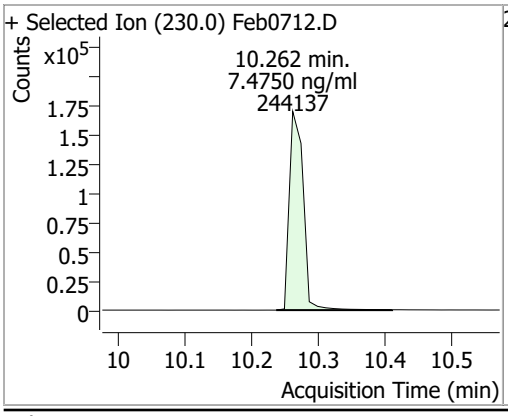
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	7.9281	9.83	0.00	367232	176.0	17.5	12.7	23.6

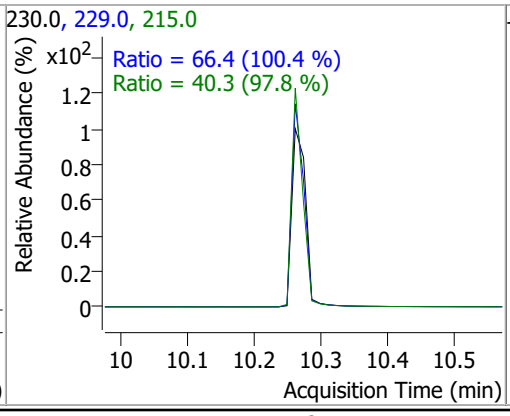


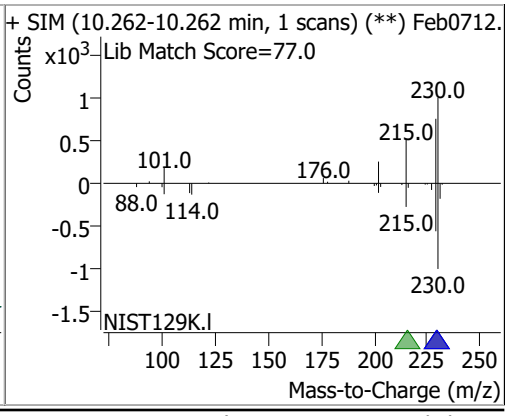




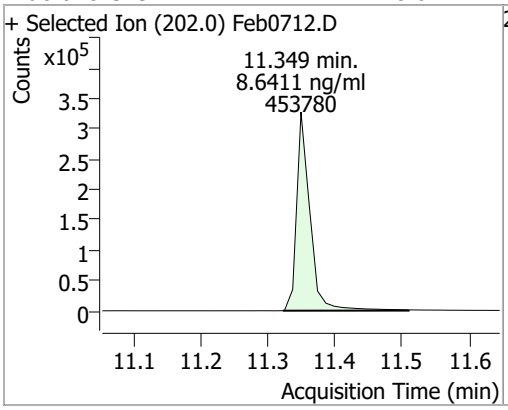
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	7.4750	10.26	-0.01	244137	229.0	66.4	46.3	85.9
					215.0	40.3	28.9	53.6

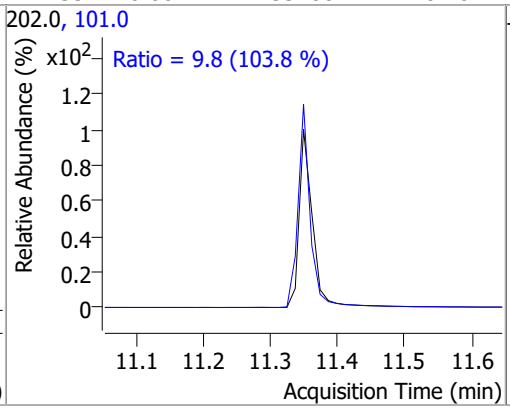


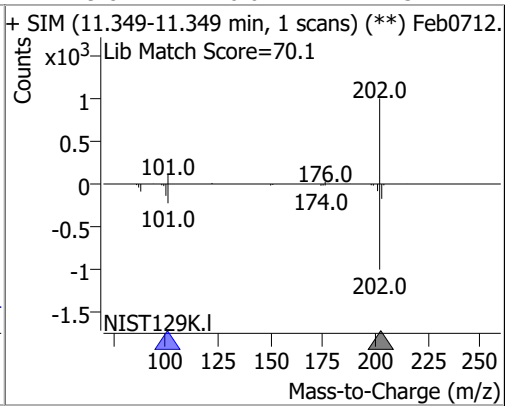




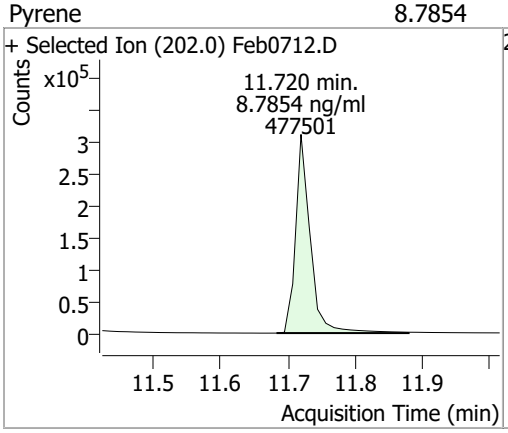
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	8.6411	11.35	0.00	453780	101.0	9.8	6.6	12.3

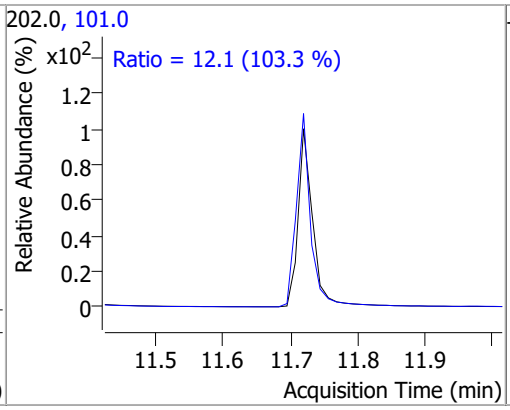


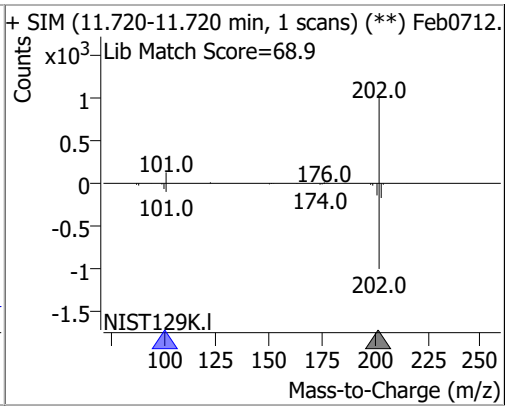




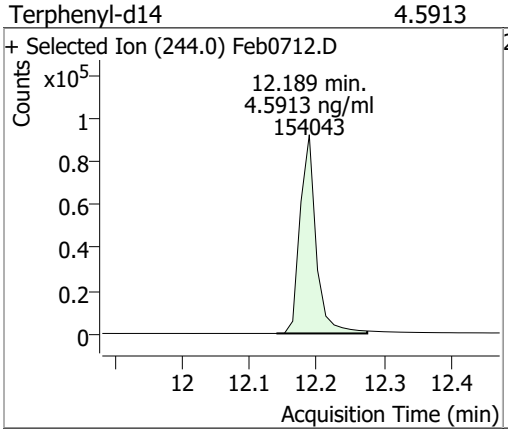
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	8.7854	11.72	0.00	477501	101.0	12.1	8.2	15.2

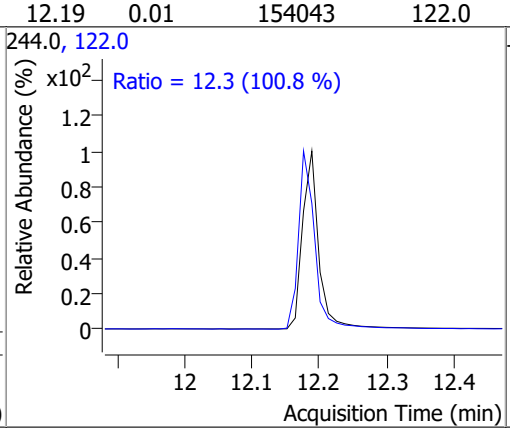


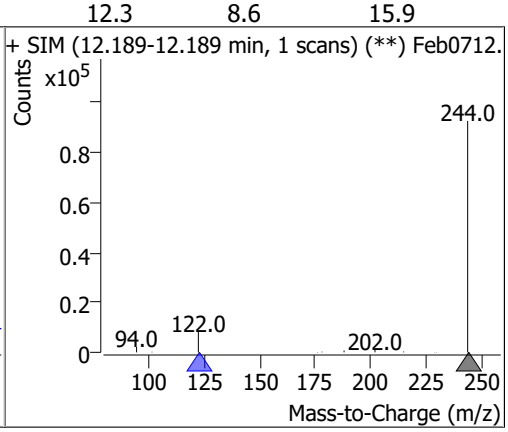




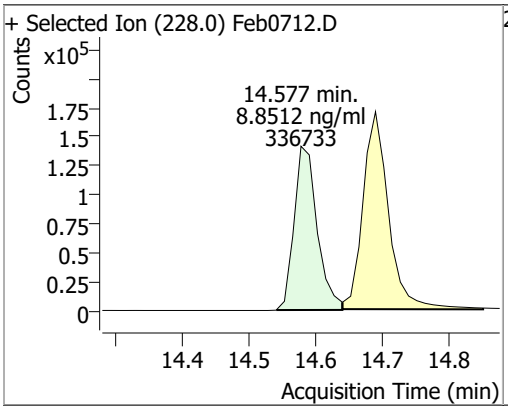
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.5913	12.19	0.01	154043	122.0	12.3	8.6	15.9

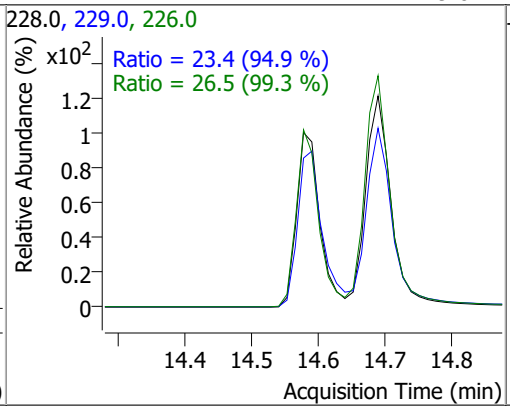


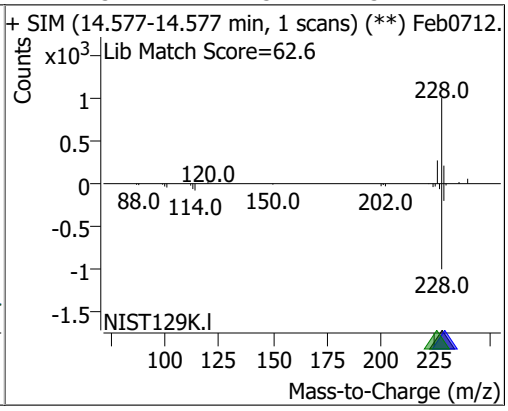




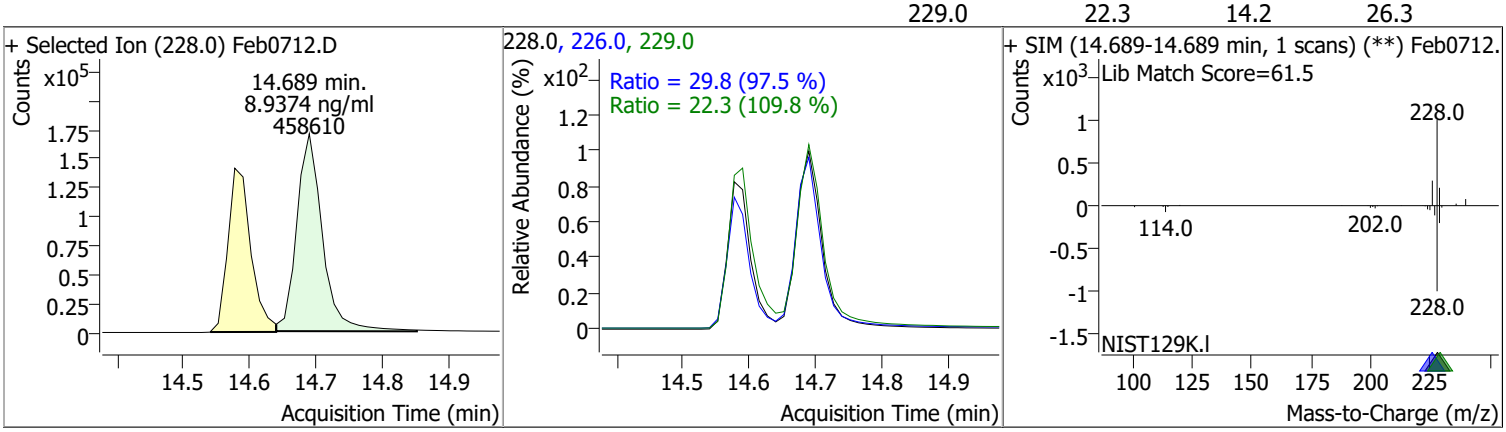
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	8.8512	14.58	0.00	336733	226.0	26.5	18.7	34.8
					229.0	23.4	17.3	32.1



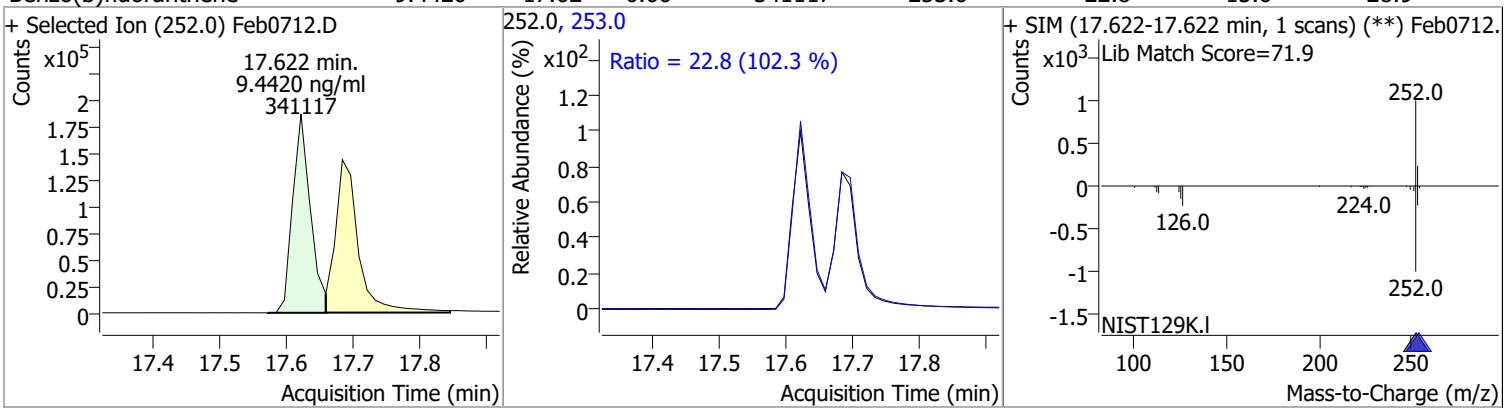




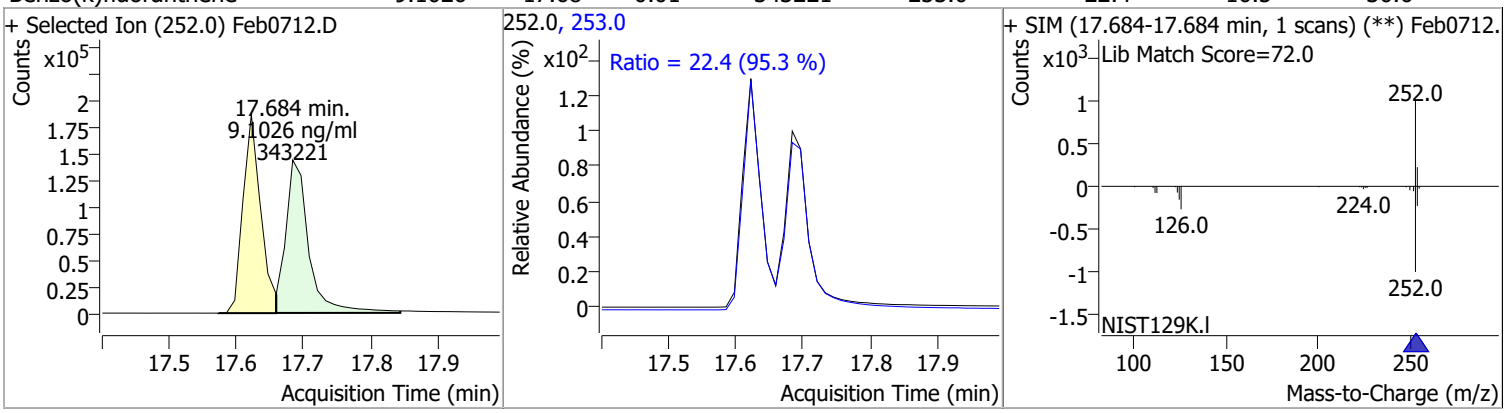
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	8.9374	14.69	0.01	458610	226.0	29.8	21.4	39.7
					229.0	22.3	14.2	26.3



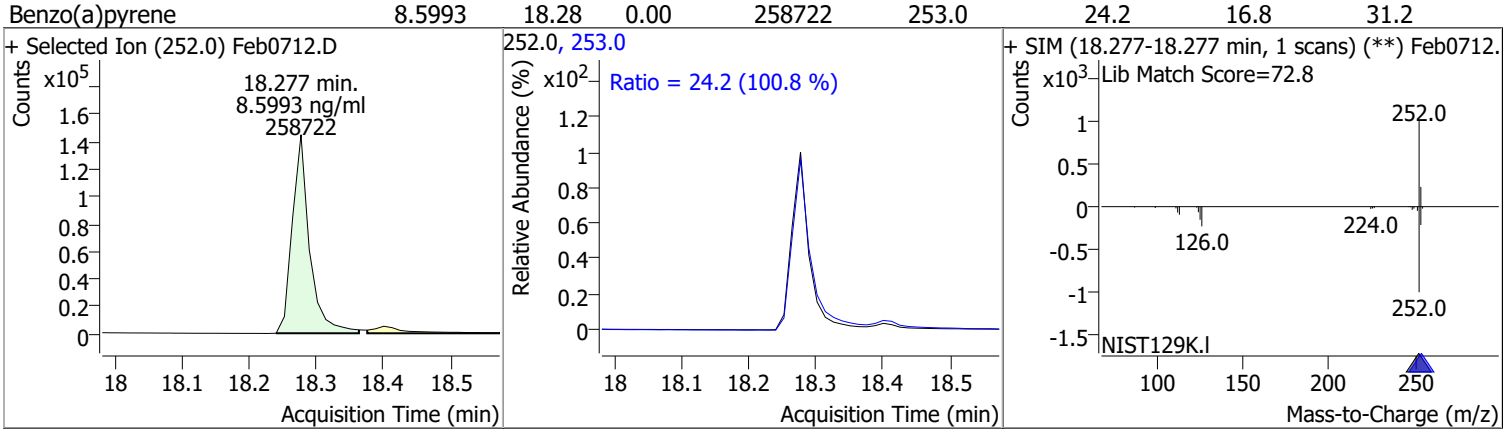
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	9.4420	17.62	0.00	341117	253.0	22.8	15.6	28.9



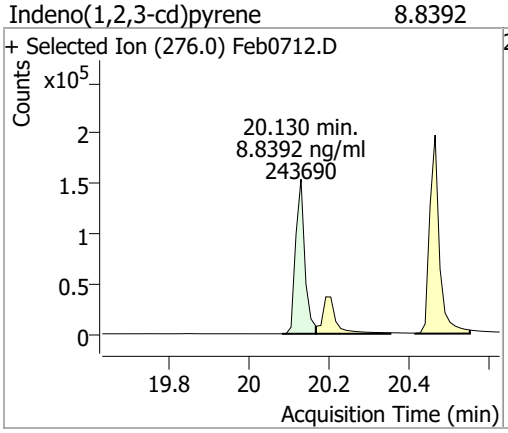
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	9.1026	17.68	-0.01	343221	253.0	22.4	16.5	30.6

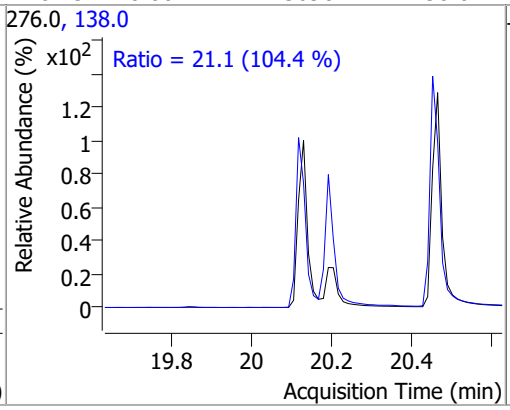


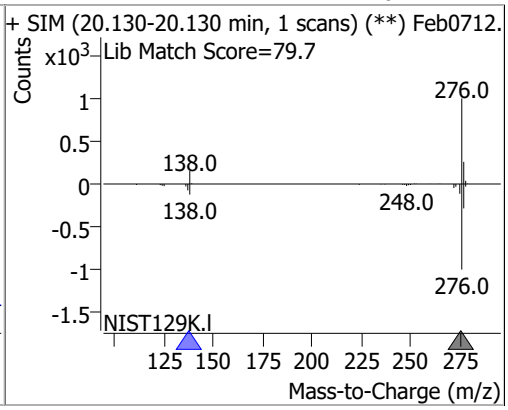
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	8.5993	18.28	0.00	258722	253.0	24.2	16.8	31.2



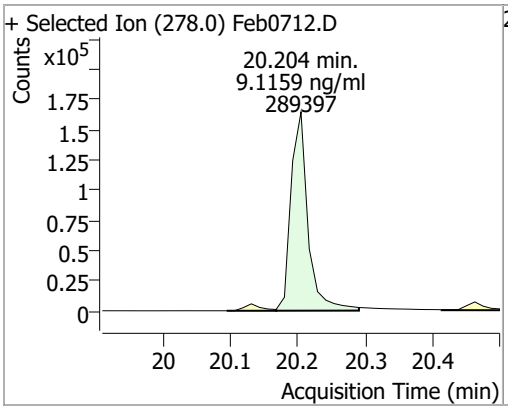
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	8.8392	20.13	0.00	243690	138.0	21.1	14.1	26.2

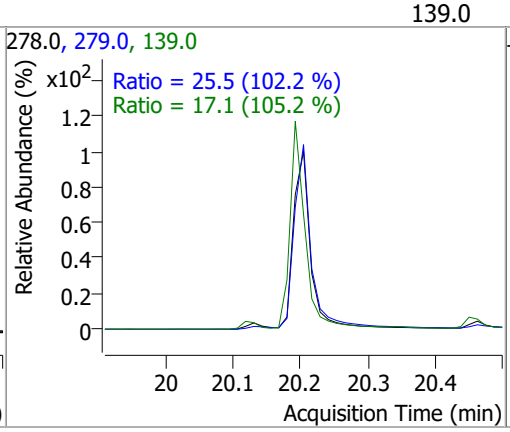


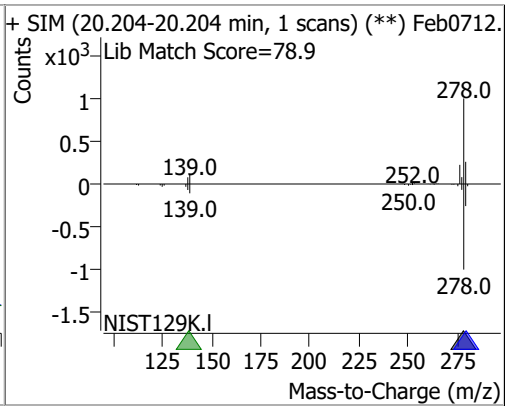




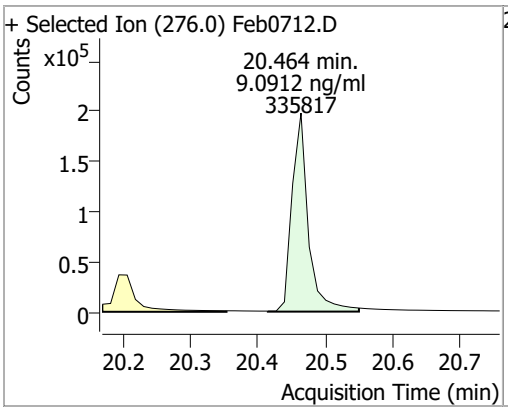
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	9.1159	20.20	0.00	289397	279.0	25.5	17.4	32.4
					139.0	17.1	11.4	21.1

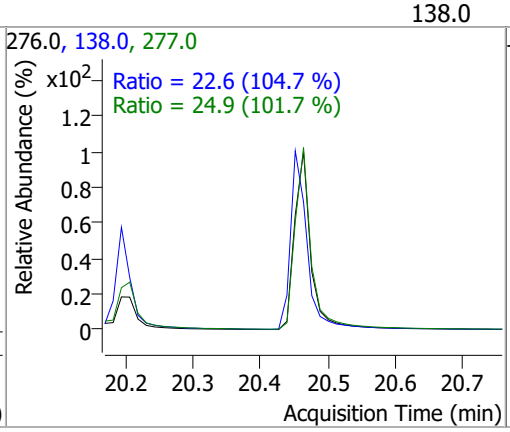


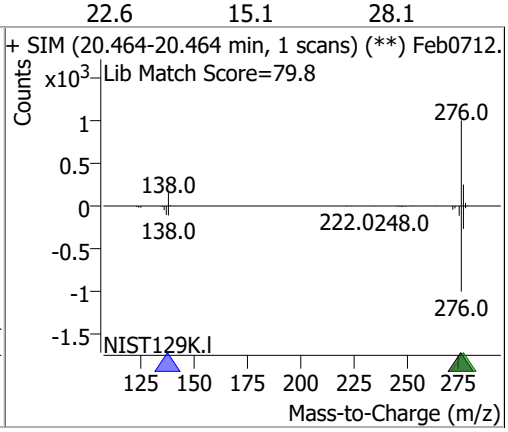




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	9.0912	20.46	0.00	335817	277.0	24.9	17.2	31.9
					138.0	22.6	15.1	28.1

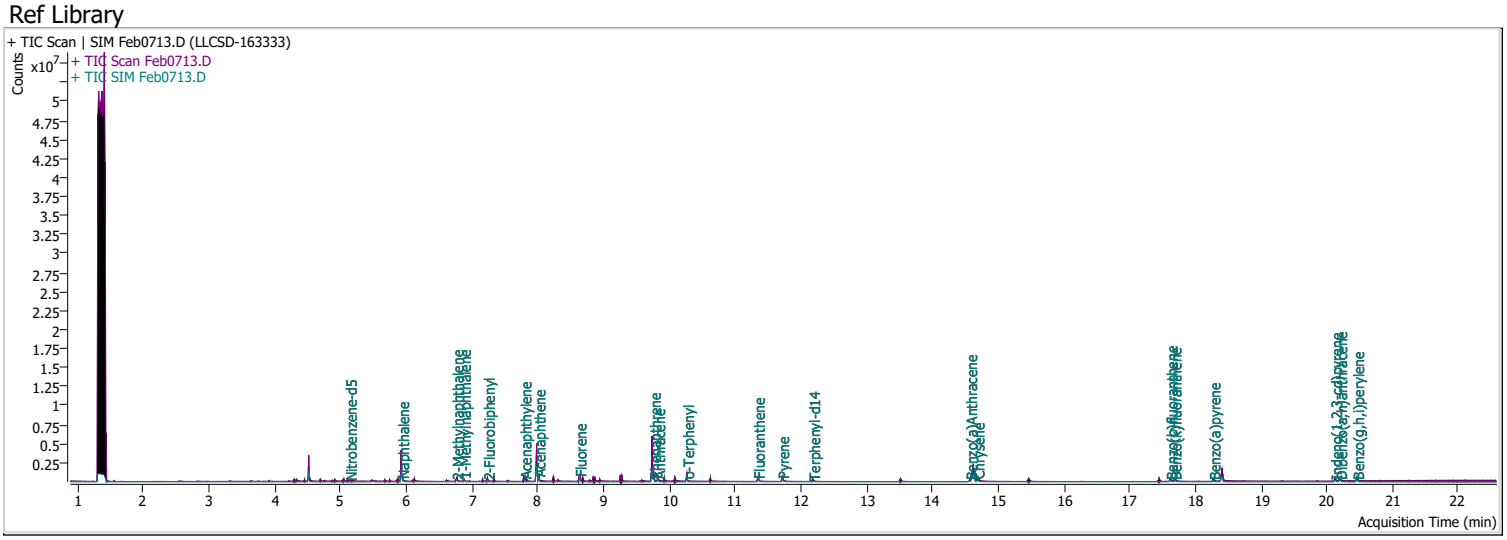






Quantitation Results Report (QT Reviewed)

Data File	Feb0713.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 9:39:34 PM
Sample Name	LLCSD-163333	Instrument	GCMS
Vial	13	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

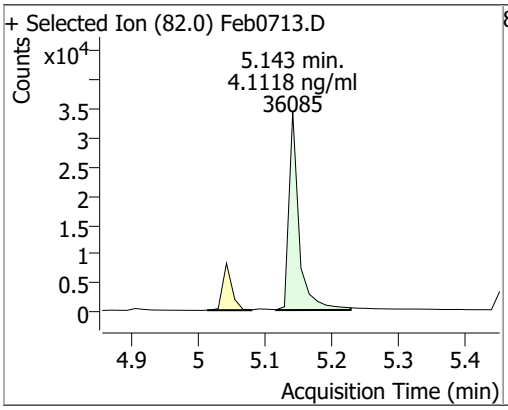


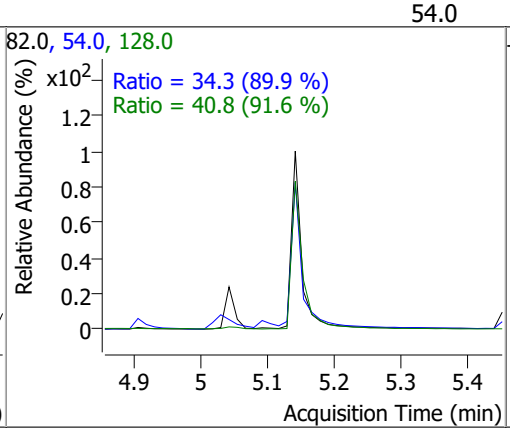
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	440233	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1557779	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.976	164.0	1030945	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	1939554	40.0000	ng/ml		0.012
M Chrysene-d12	14.627	240.0	1602585	40.0000	ng/ml		0.012
M Perylene-d12	18.400	264.0	934717	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	36085	4.1118	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 82.24%			
S 2-Fluorobiphenyl	7.240	172.0	118264	3.6766	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 73.53%			
S o-Terphenyl	10.274	230.0	243078	7.4716	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 149.43%		*	
S Terphenyl-d14	12.189	244.0	153585	4.5181	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 90.36%			
Target Compounds							**QValue**
T Naphthalene	5.941	128.0	226019	5.3159	ng/ml		97
T 2-Methylnaphthalene	6.765	141.0	143348	5.4664	ng/ml		91
T 1-Methylnaphthalene	6.877	141.0	143441	5.6167	ng/ml		98
T Acenaphthylene	7.801	152.0	271440	6.8683	ng/ml	#	82
T Acenaphthene	8.013	154.0	212706	7.7477	ng/ml		98
T Fluorene	8.636	166.0	268847	7.8554	ng/ml		82
T Phenanthrene	9.768	178.0	422470	7.8303	ng/ml		99
T Anthracene	9.830	178.0	367037	7.9498	ng/ml		98
T Fluoranthene	11.349	202.0	466214	8.8785	ng/ml		100
T Pyrene	11.720	202.0	494894	8.9724	ng/ml		100
T Benzo(a)Anthracene	14.577	228.0	336502	8.7357	ng/ml		99
T Chrysene	14.689	228.0	459181	8.8309	ng/ml		98
T Benzo(b)fluoranthene	17.622	252.0	335216	9.2893	ng/ml		98

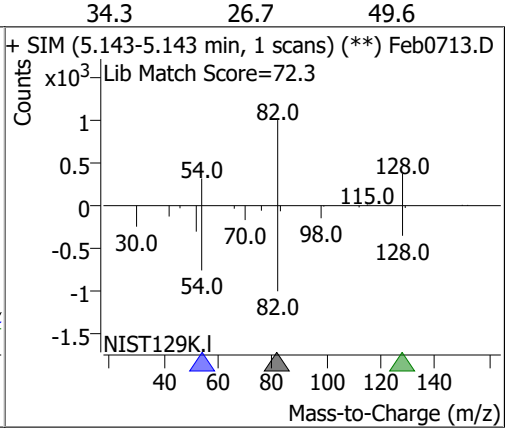
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.684	252.0	342217	9.0653	ng/ml	99
T Benzo(a)pyrene	18.277	252.0	248982	8.2950	ng/ml	97
T Indeno(1,2,3-cd)pyrene	20.130	276.0	237449	8.6287	ng/ml	97
T Dibenzo(a,h)anthracene	20.204	278.0	290997	9.1484	ng/ml	98
T Benzo(g,h,i)perylene	20.464	276.0	333128	9.0144	ng/ml	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

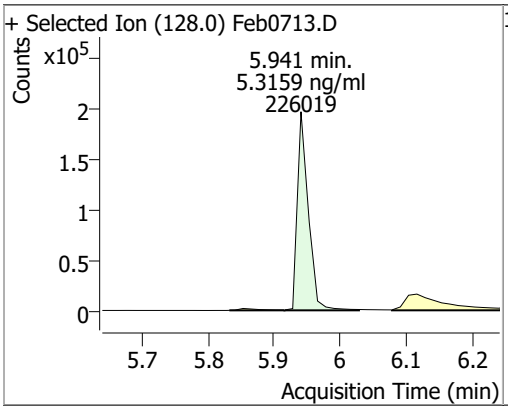
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	4.1118	5.14	-0.01	36085	128.0	40.8	31.2	57.9
					54.0	34.3	26.7	49.6

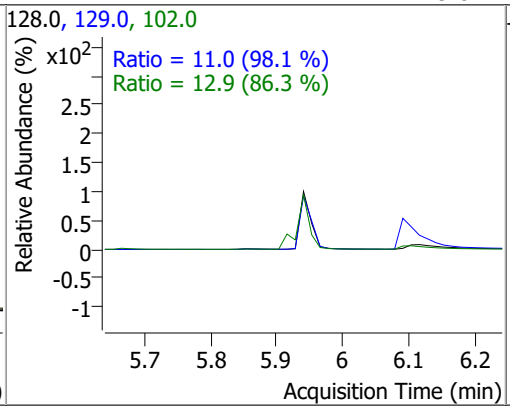


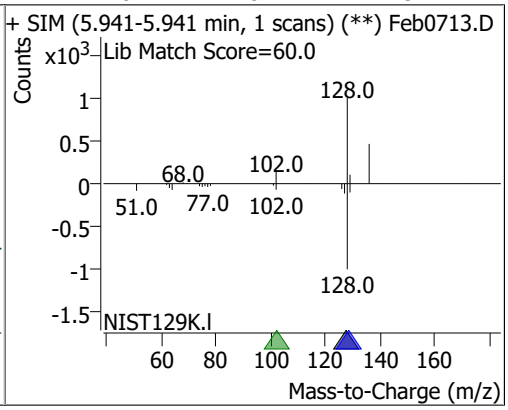




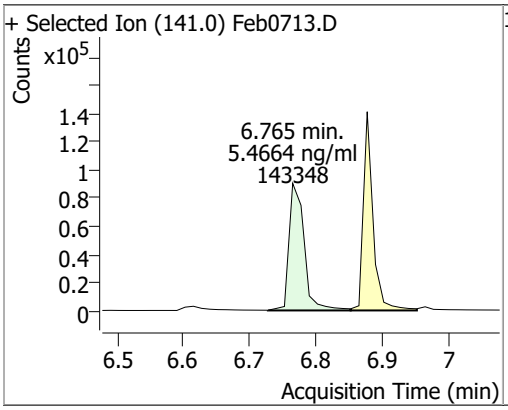
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	5.3159	5.94	0.00	226019	102.0	12.9	0.0	45.0
					129.0	11.0	7.8	14.5

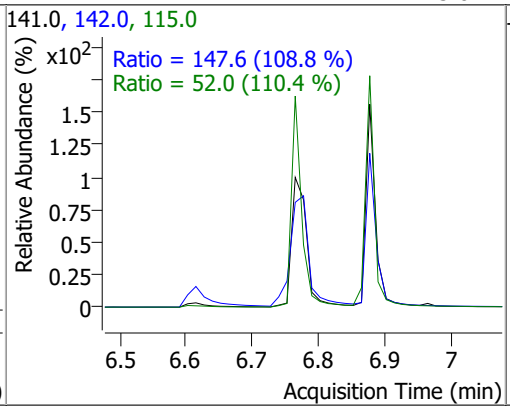


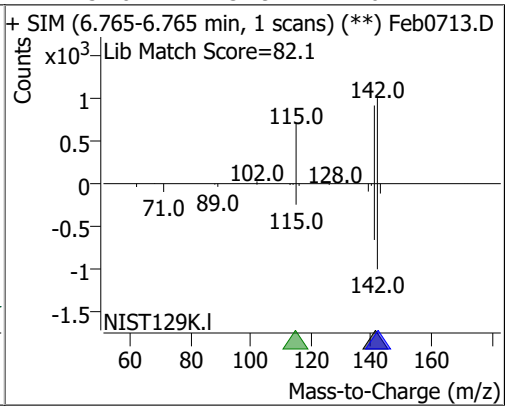




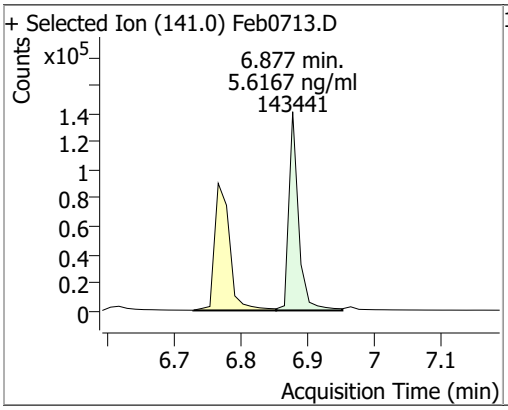
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	5.4664	6.76	-0.01	143348	142.0	147.6	95.0	176.4
					115.0	52.0	32.9	61.2

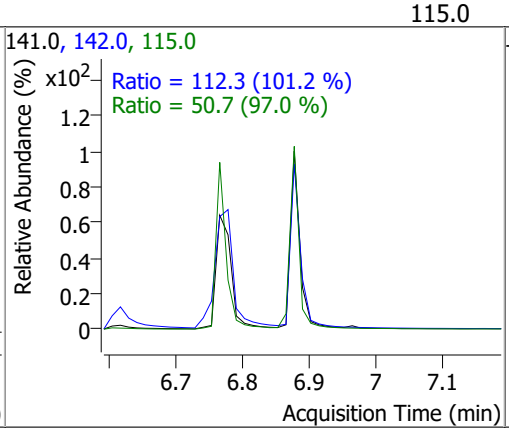


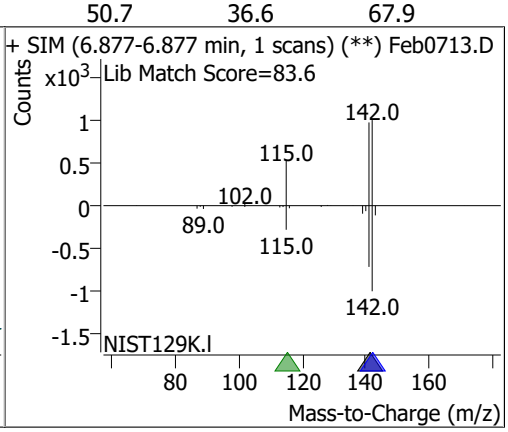




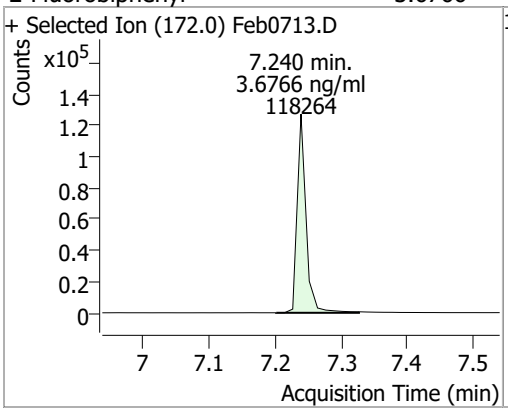
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	5.6167	6.88	-0.01	143441	142.0	112.3	77.7	144.2
					115.0	50.7	36.6	67.9

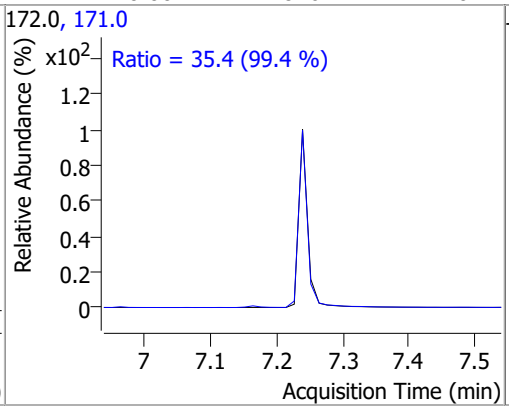


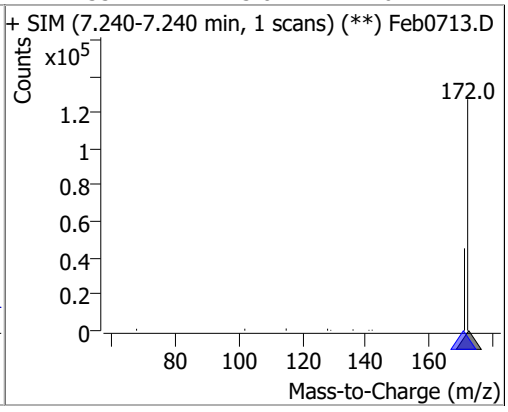




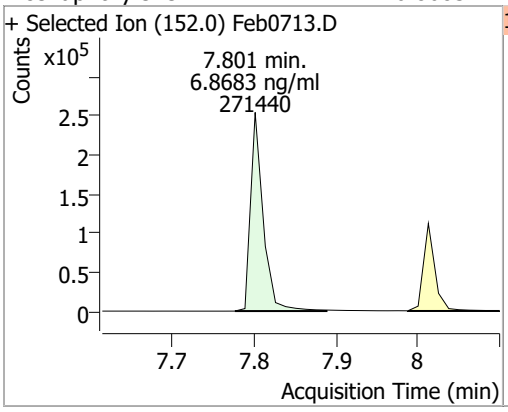
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.6766	7.24	0.00	118264	171.0	35.4	25.0	46.4

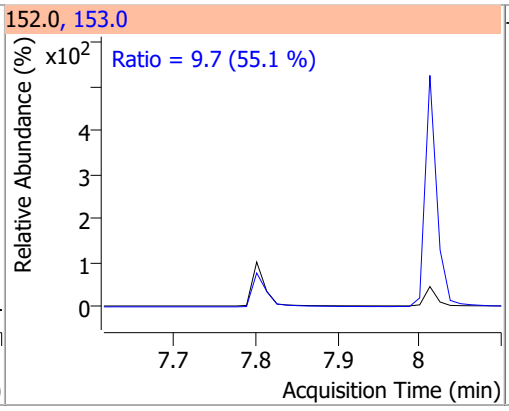


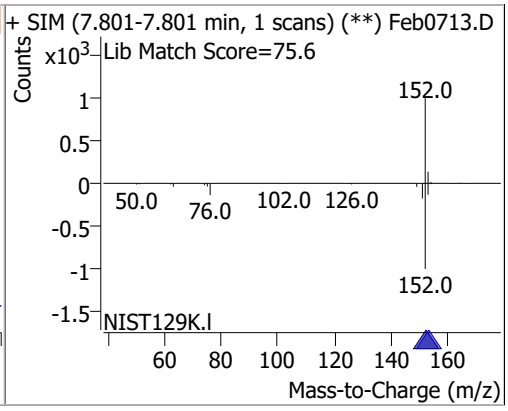




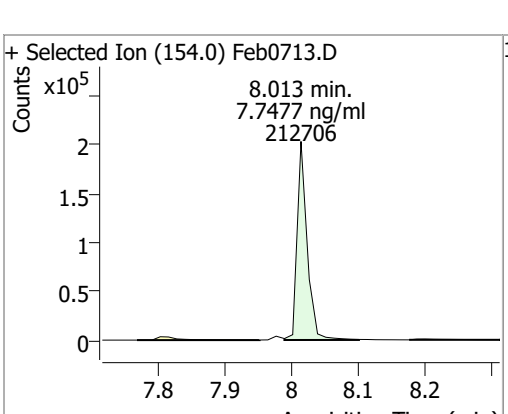
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	6.8683	7.80	0.00	271440	153.0	9.7	12.3	22.9

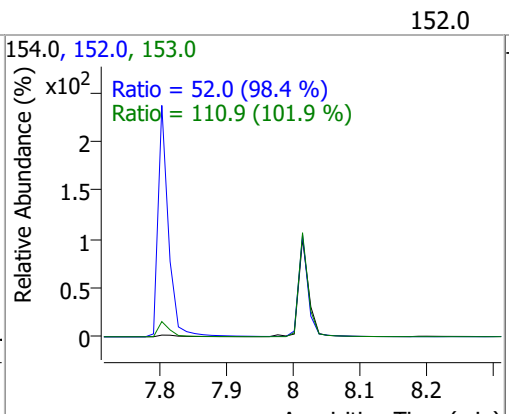


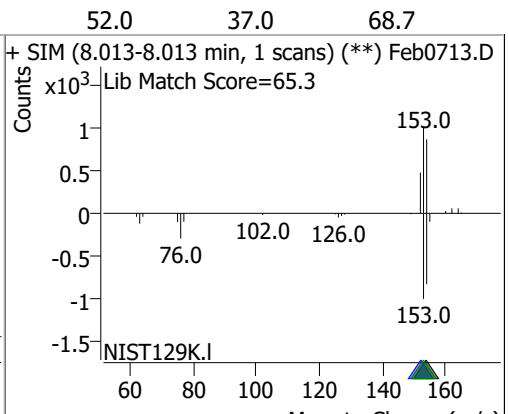




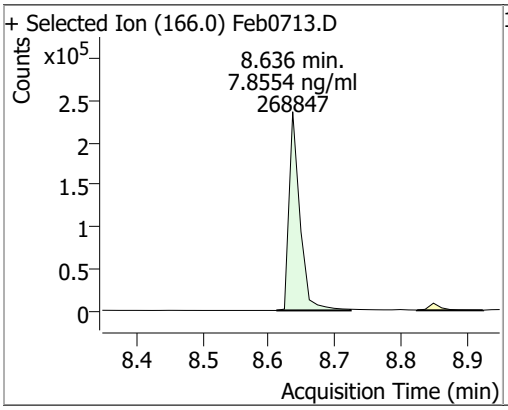
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	7.7477	8.01	0.00	212706	153.0	110.9	76.2	141.5
					152.0	52.0	37.0	68.7

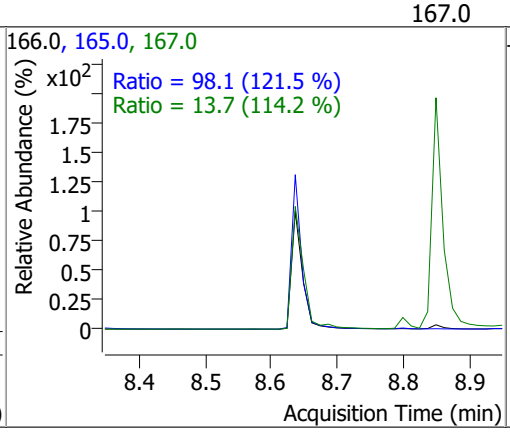


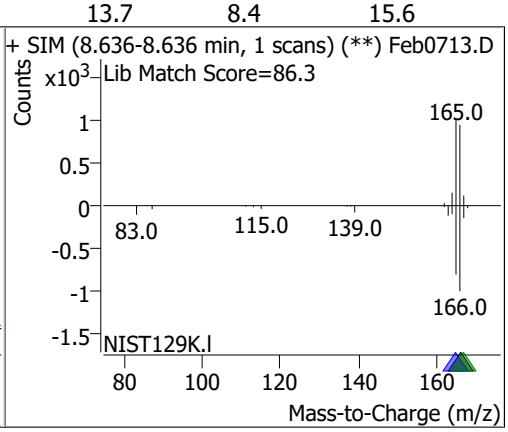




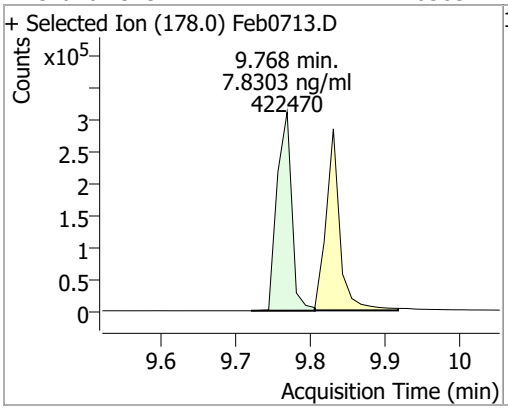
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	7.8554	8.64	-0.01	268847	165.0	98.1	56.5	104.9
					167.0	13.7	8.4	15.6

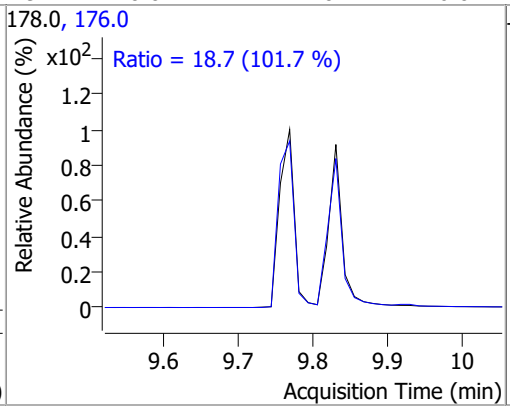


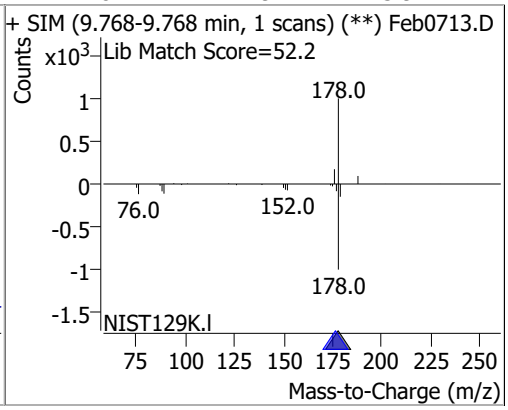




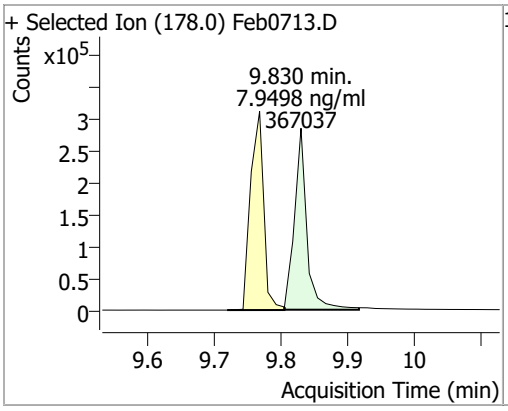
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	7.8303	9.77	0.01	422470	176.0	18.7	12.9	23.9

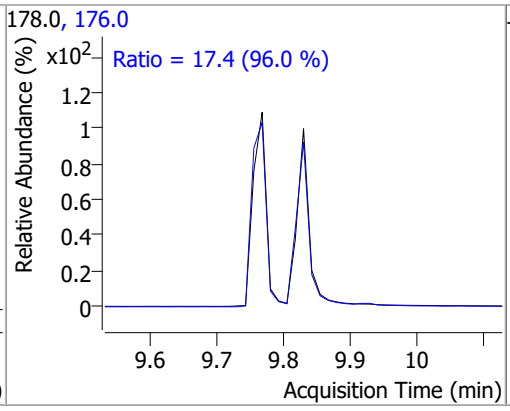


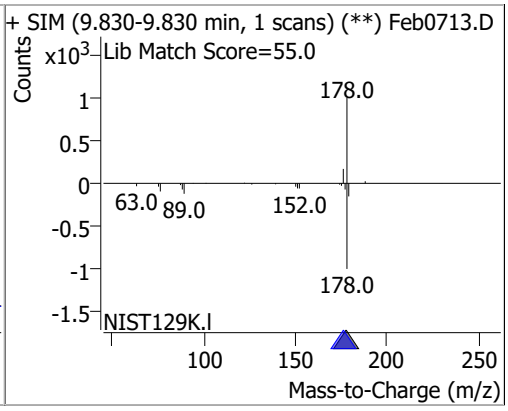




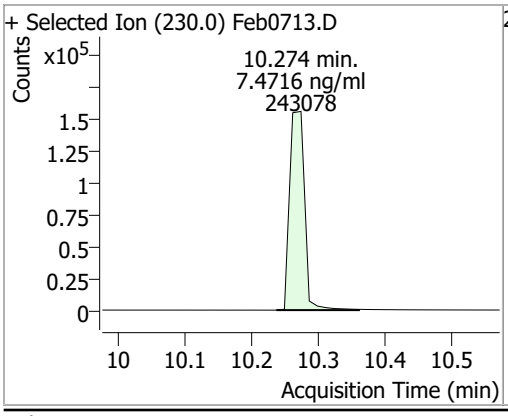
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	7.9498	9.83	0.00	367037	176.0	17.4	12.7	23.6

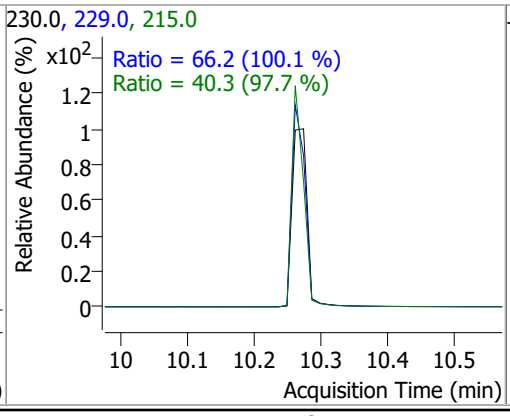


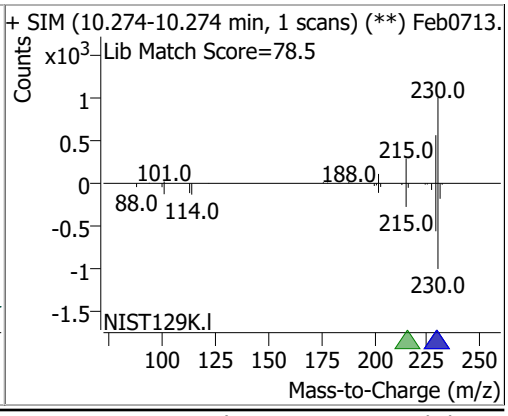




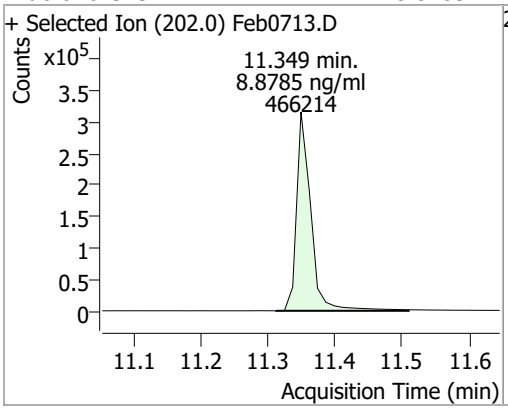
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	7.4716	10.27	0.00	243078	229.0	66.2	46.3	85.9
					215.0	40.3	28.9	53.6

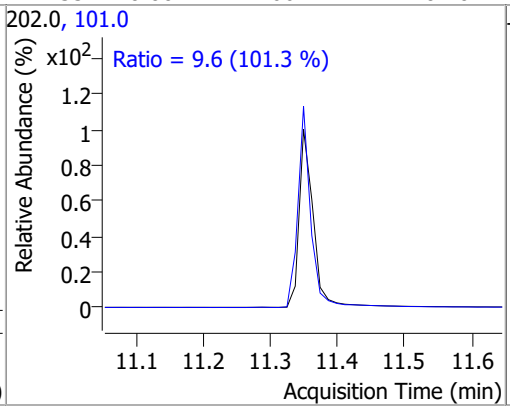


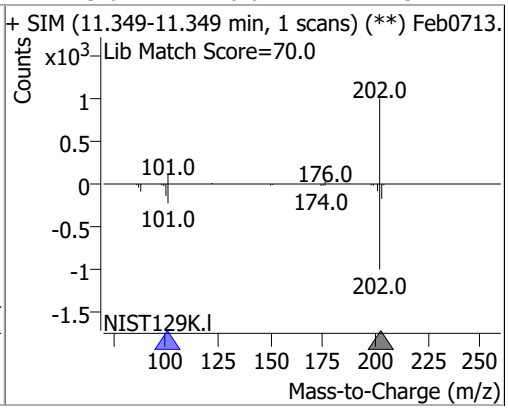




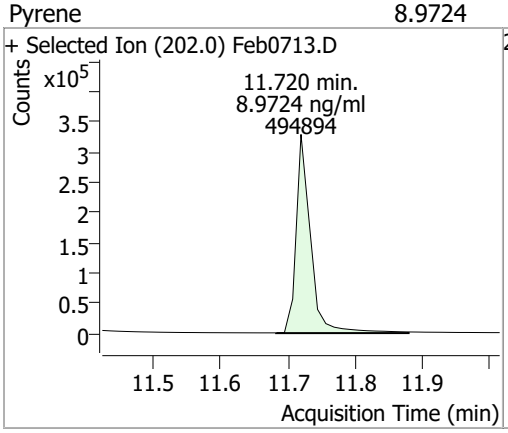
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	8.8785	11.35	0.00	466214	101.0	9.6	6.6	12.3

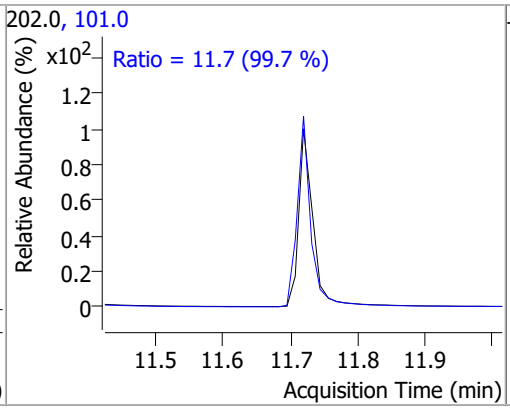


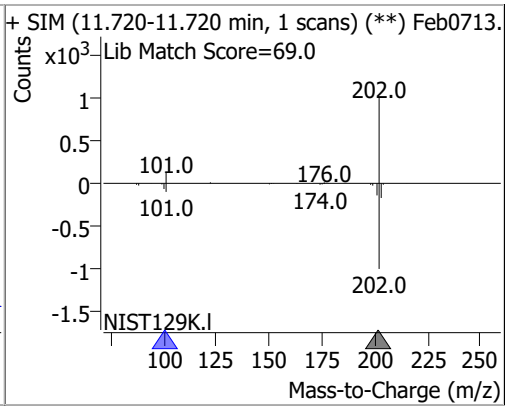




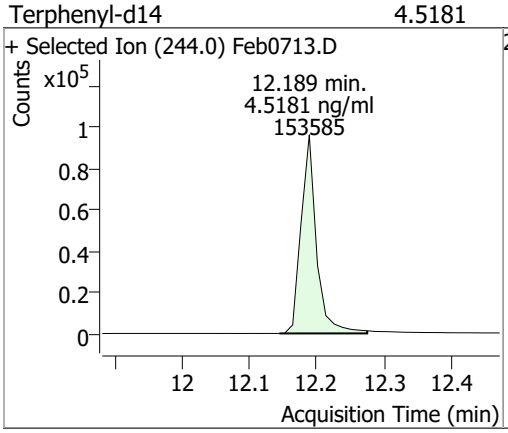
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	8.9724	11.72	0.00	494894	101.0	11.7	8.2	15.2

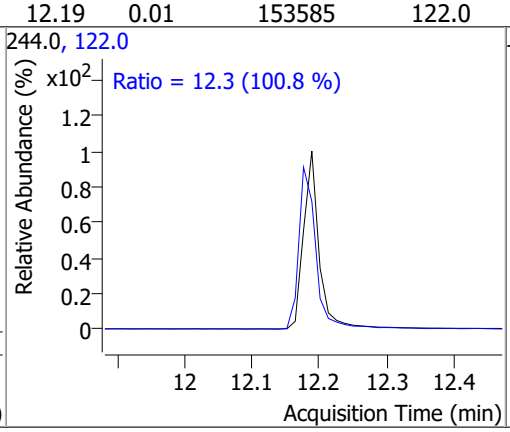


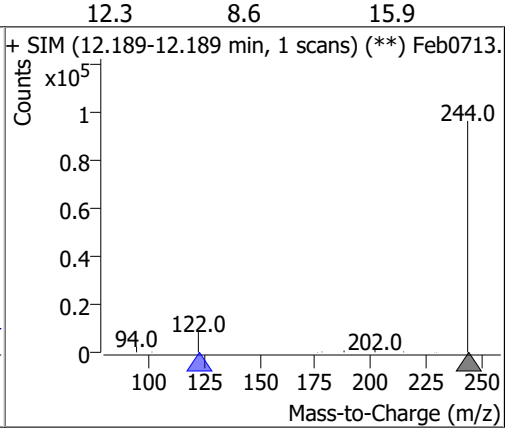




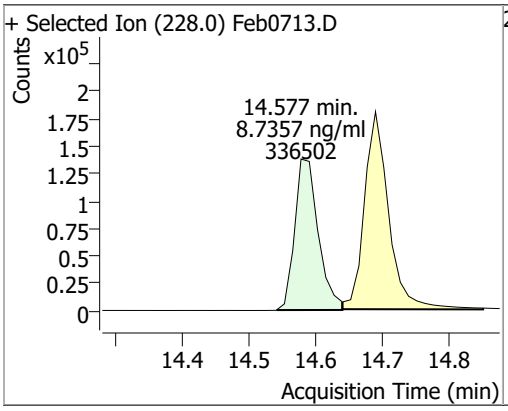
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.5181	12.19	0.01	153585	122.0	12.3	8.6	15.9

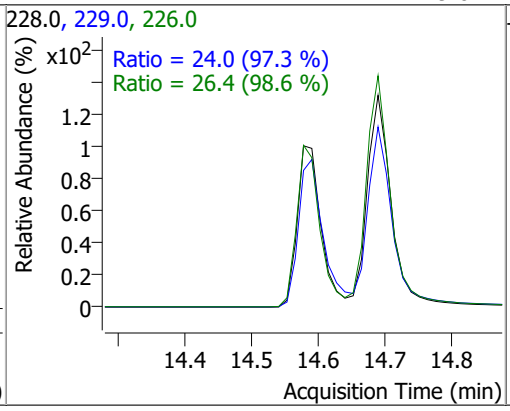


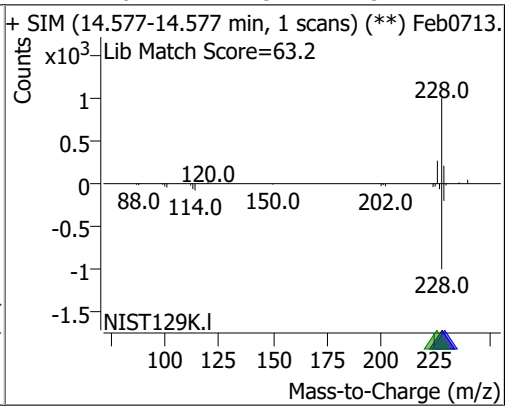




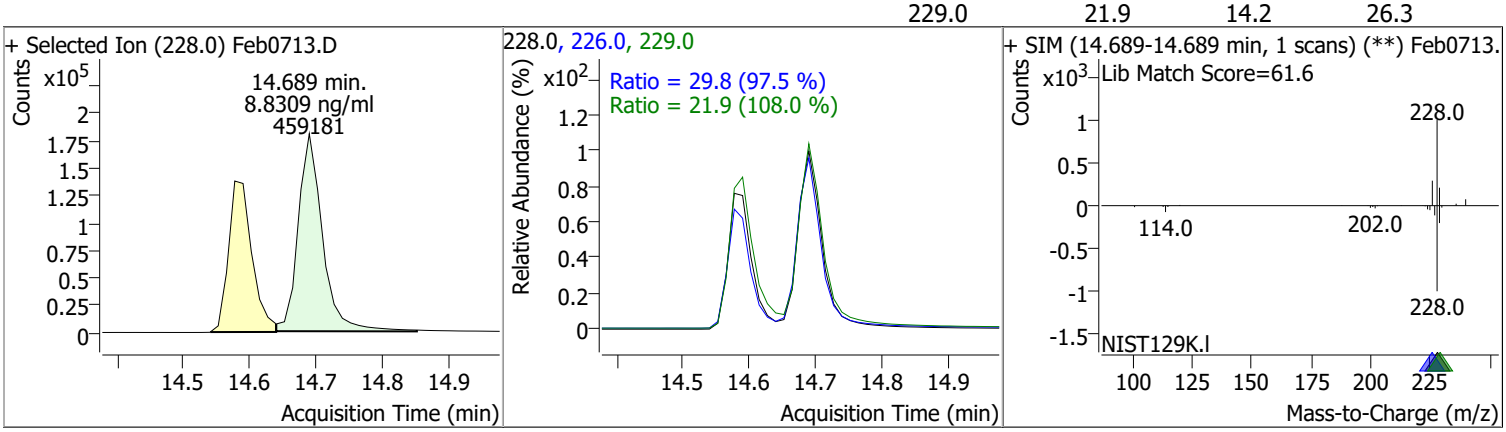
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	8.7357	14.58	0.00	336502	226.0	26.4	18.7	34.8
					229.0	24.0	17.3	32.1



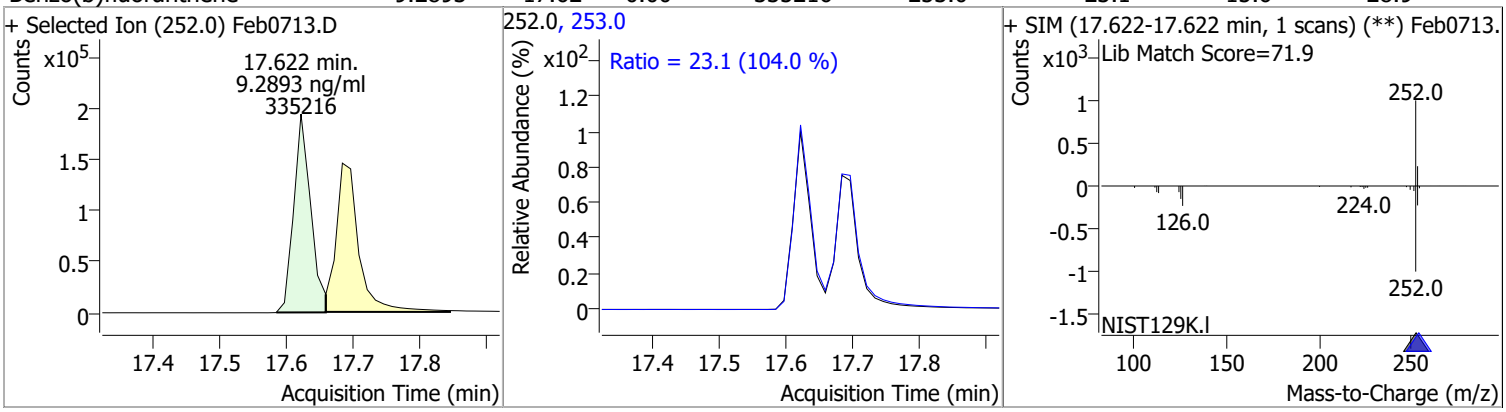




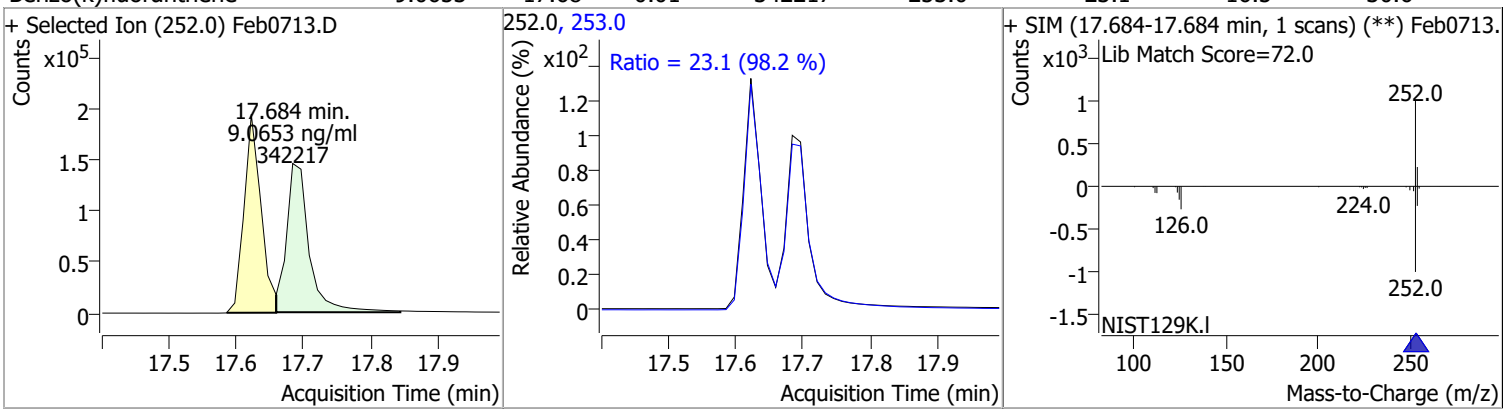
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	8.8309	14.69	0.01	459181	226.0	29.8	21.4	39.7
					229.0	21.9	14.2	26.3



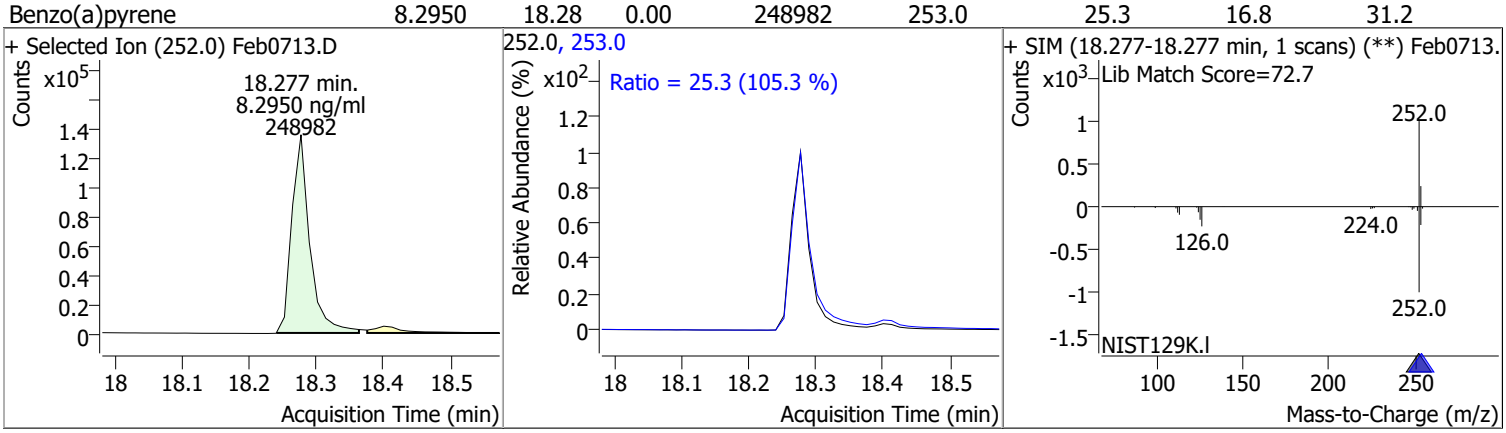
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	9.2893	17.62	0.00	335216	253.0	23.1	15.6	28.9



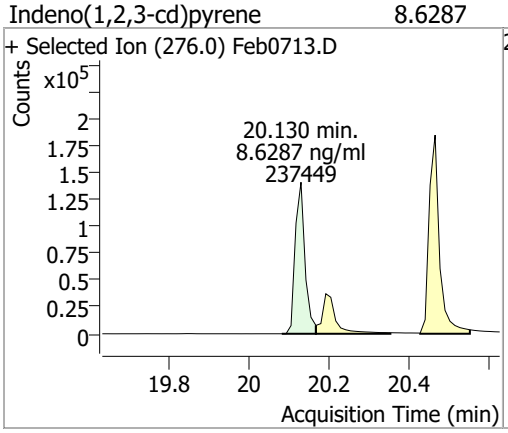
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	9.0653	17.68	-0.01	342217	253.0	23.1	16.5	30.6

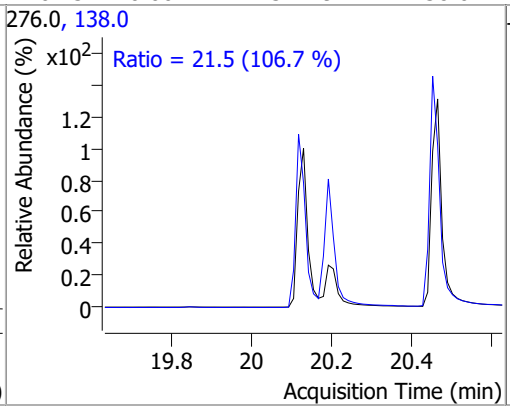


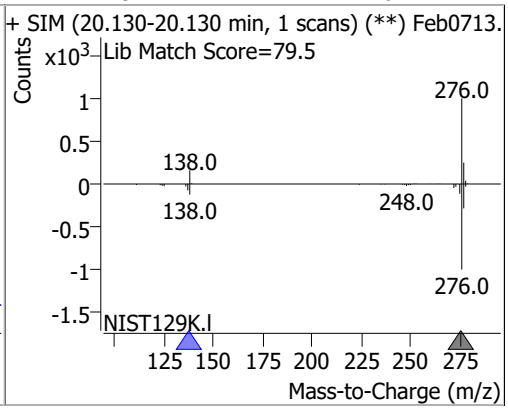
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	8.2950	18.28	0.00	248982	253.0	25.3	16.8	31.2



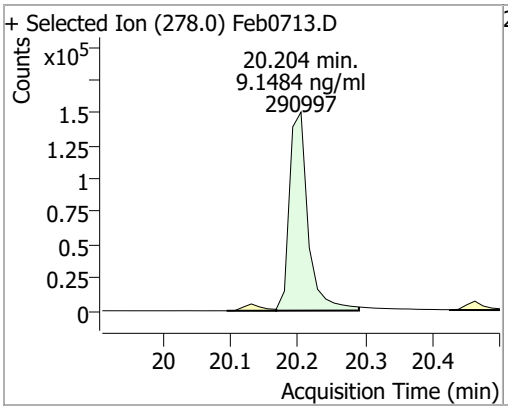
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	8.6287	20.13	0.00	237449	138.0	21.5	14.1	26.2

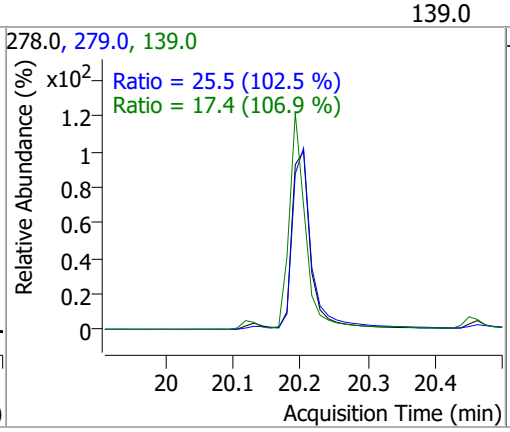


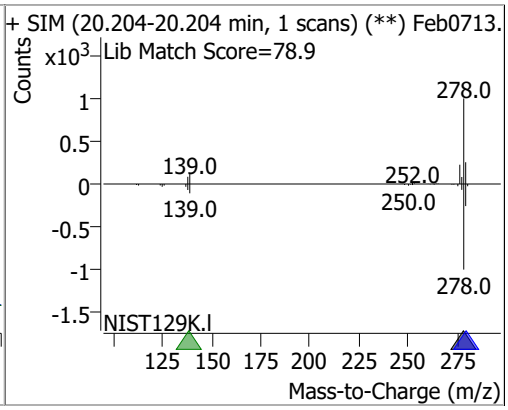




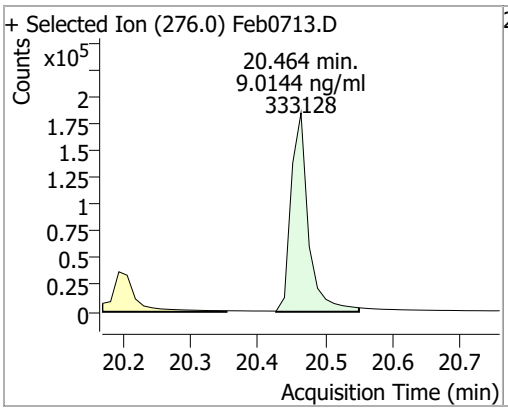
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	9.1484	20.20	0.00	290997	279.0	25.5	17.4	32.4
					139.0	17.4	11.4	21.1

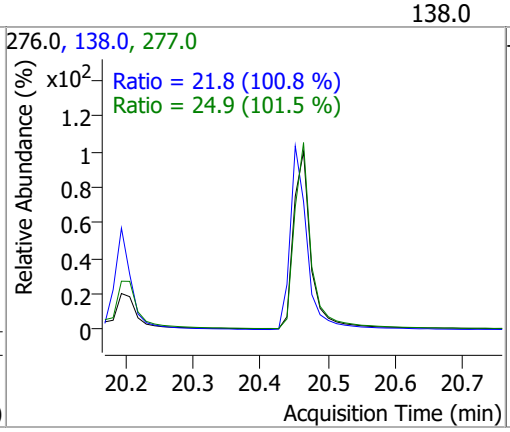


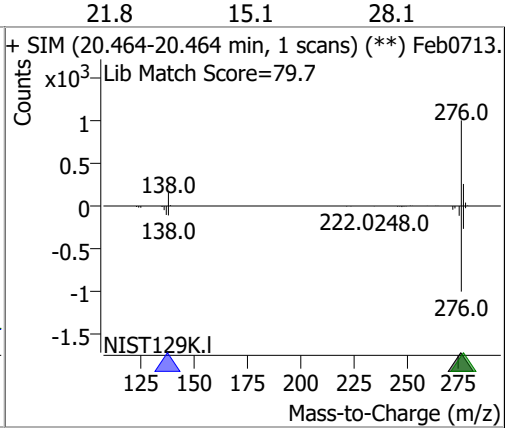




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	9.0144	20.46	0.00	333128	277.0	24.9	17.2	31.9
					138.0	21.8	15.1	28.1

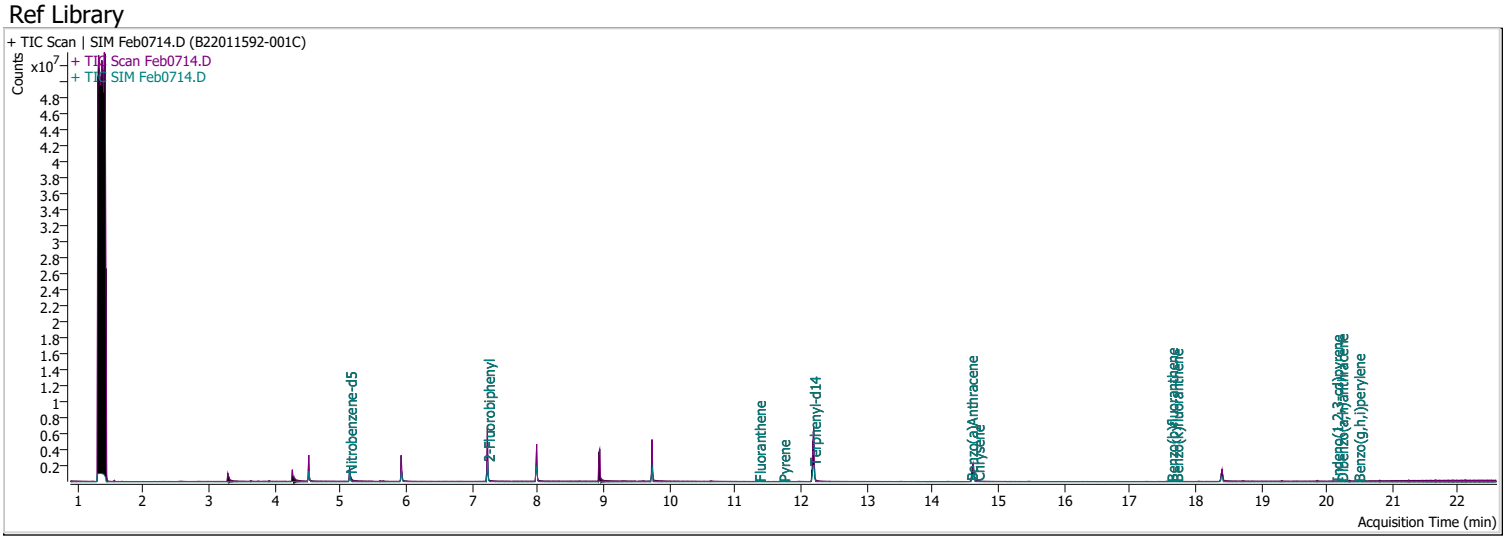






Quantitation Results Report (QT Reviewed)

Data File	Feb0714.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 10:12:08 PM
Sample Name	B22011592-001C	Instrument	GCMS
Vial	14	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			



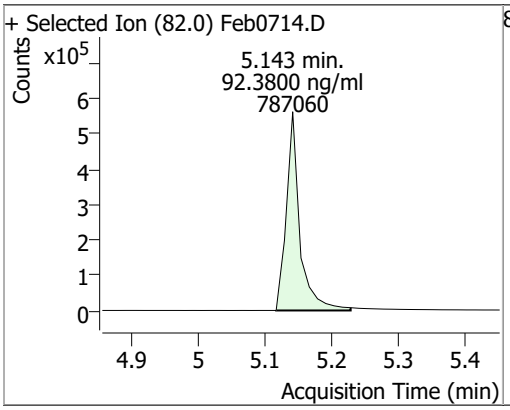
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	427384	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1542608	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.976	164.0	1025367	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	1968043	40.0000	ng/ml		0.012
M Chrysene-d12	14.627	240.0	1544173	40.0000	ng/ml		0.012
M Perylene-d12	18.400	264.0	893055	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	787060	92.3800	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1847.60%		*	
S 2-Fluorobiphenyl	7.239	172.0	1958104	68.5517	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1371.03%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.201	244.0	3428132	66.5995	ng/ml		0.025
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1331.99%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.013	154.0	0		ng/ml	md	1
T Fluorene	8.935	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	11.361	202.0	4501	0.0449	ng/ml		98
T Pyrene	11.732	202.0	5122	0.0339	ng/ml		98
T Benzo(a)Anthracene	14.589	228.0	10532	0.1086	ng/ml		91
T Chrysene	14.689	228.0	9415	0.1181	ng/ml		94
T Benzo(b)fluoranthene	17.634	252.0	6442	0.1798	ng/ml		94

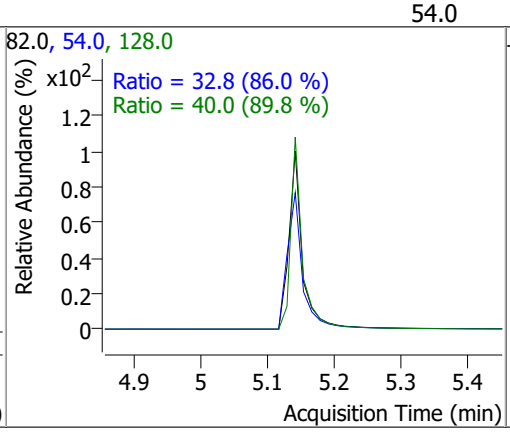
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	17.708	252.0	7080	0.1222	ng/ml		94
T Benzo(a)pyrene	18.289	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	20.143	276.0	3580	0.1131	ng/ml	m	100
T Dibenzo(a,h)anthracene	20.217	278.0	2765	0.0393	ng/ml		96
T Benzo(g,h,i)perylene	20.476	276.0	4571	0.0734	ng/ml		100

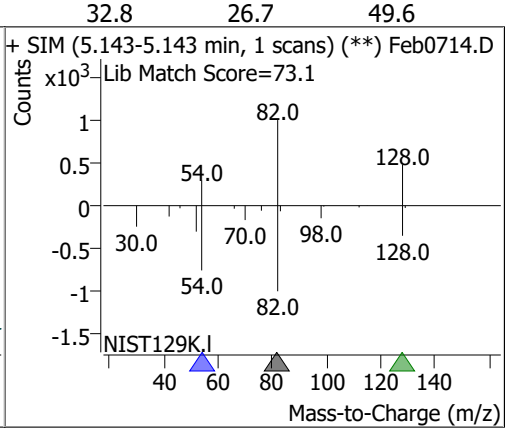
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (QT Reviewed)

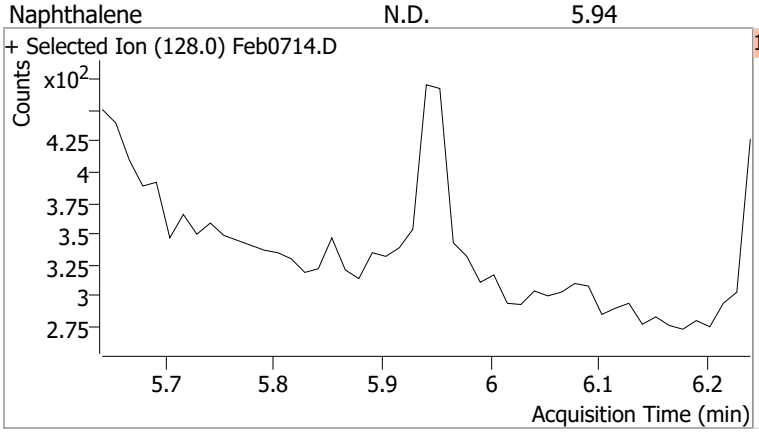
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	92.3800	5.14	-0.01	787060	128.0	40.0	31.2	57.9
					54.0	32.8	26.7	49.6

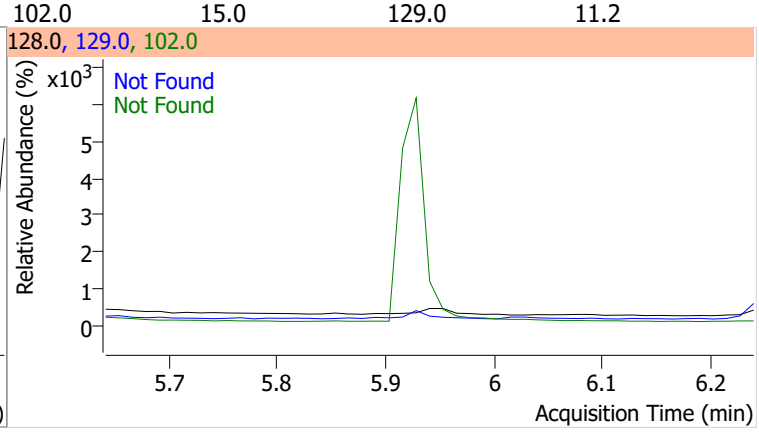




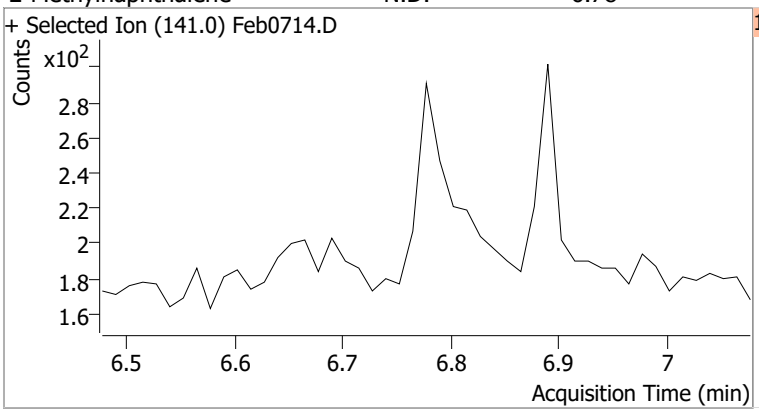


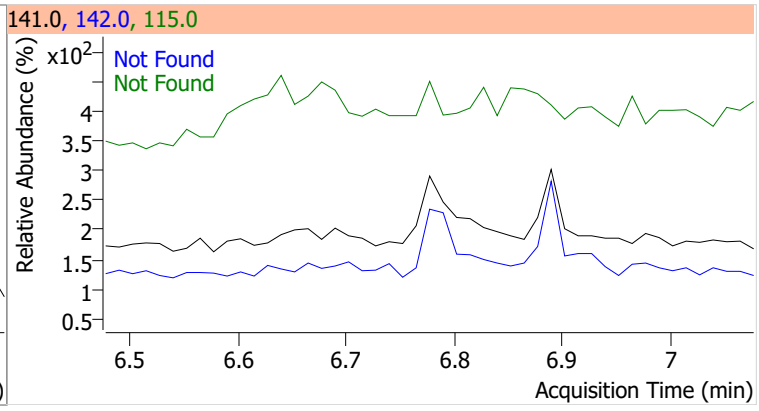
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.94	102.0	15.0	129.0	11.2



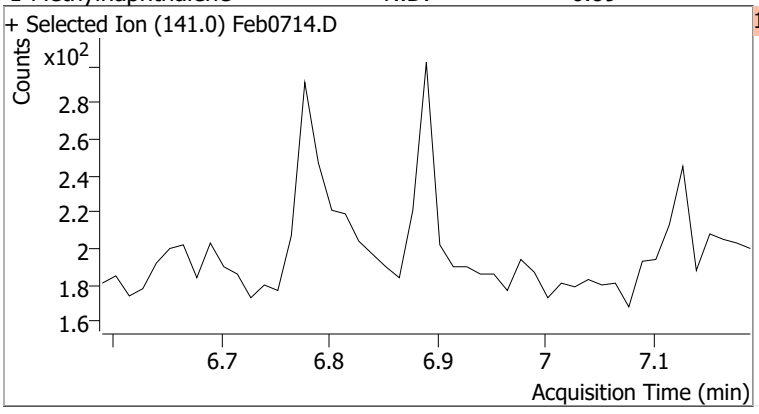


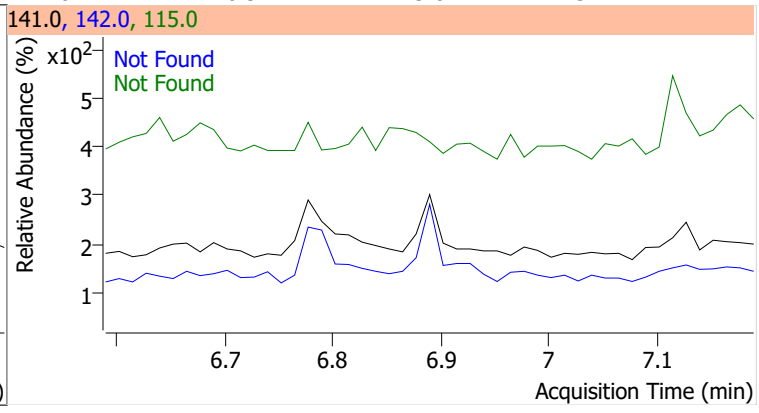
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.78	142.0	135.7	115.0	47.1





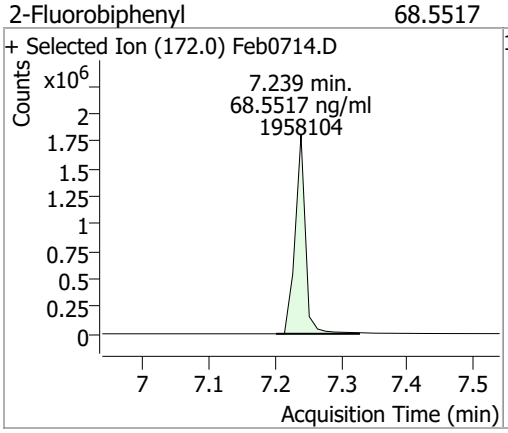
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.89	142.0	110.9	115.0	52.2

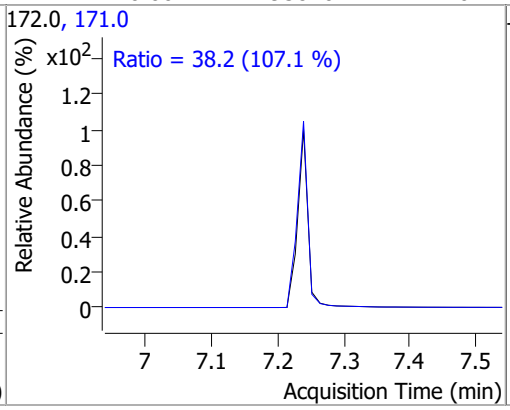


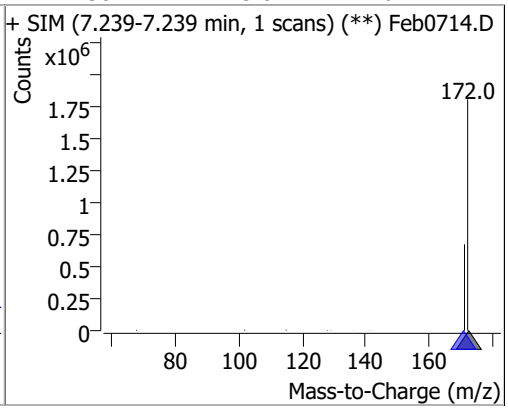


Quantitation Results Report (QT Reviewed)

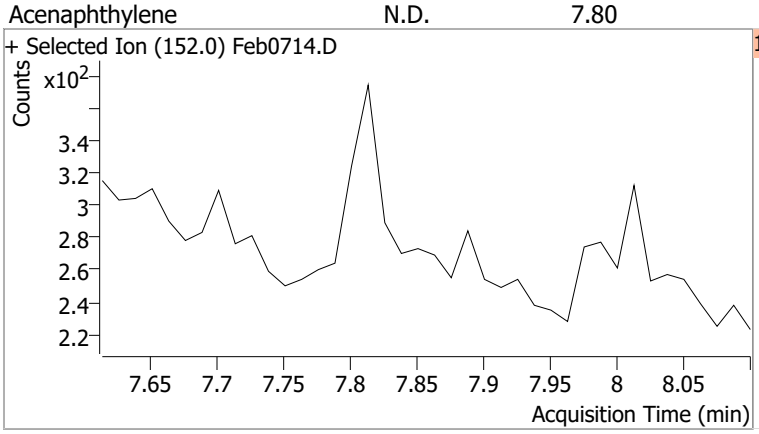
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	68.5517	7.24	0.00	1958104	171.0	38.2	25.0	46.4

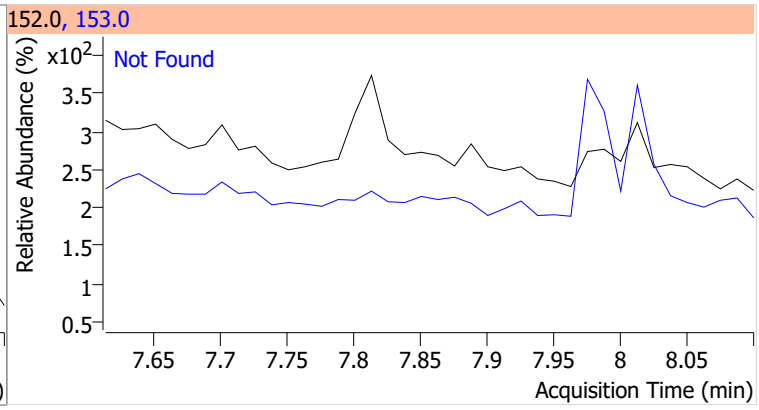




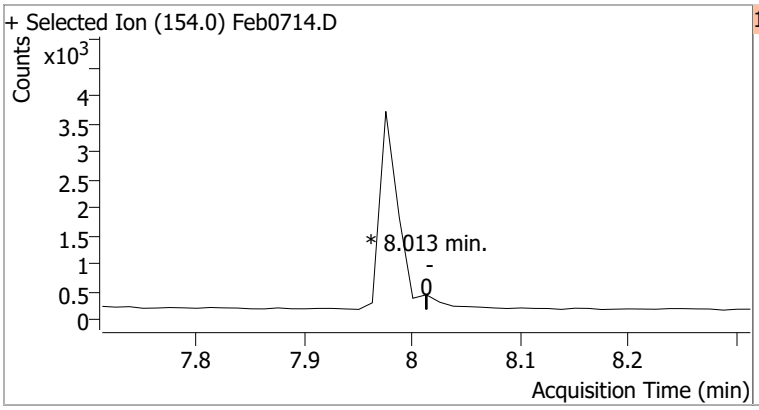


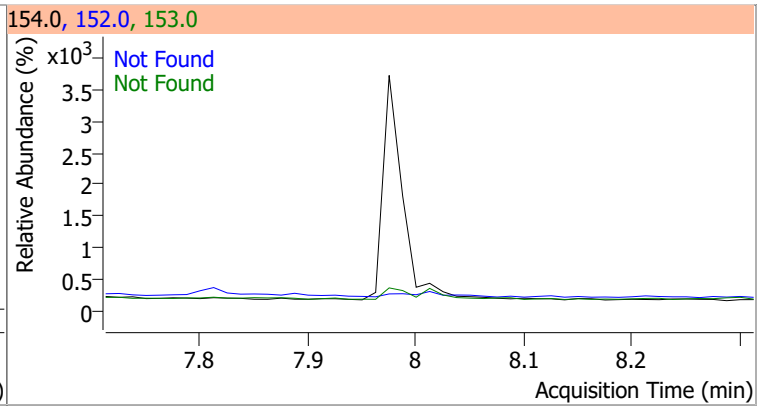
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.80	153.0	17.6



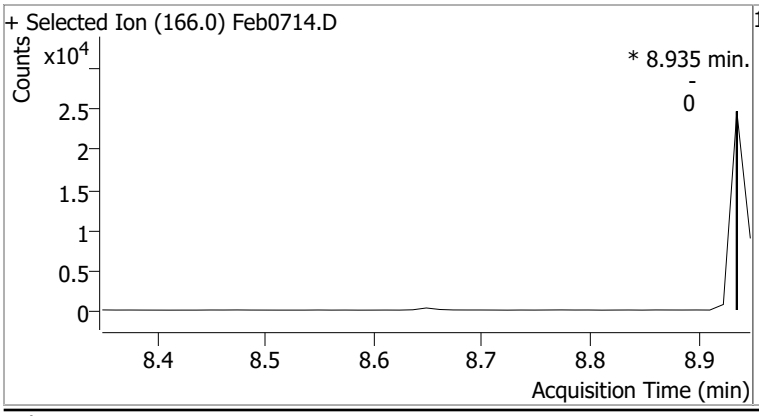


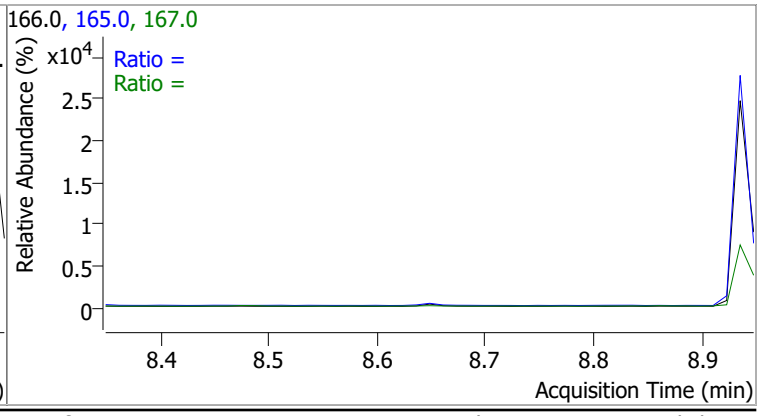
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



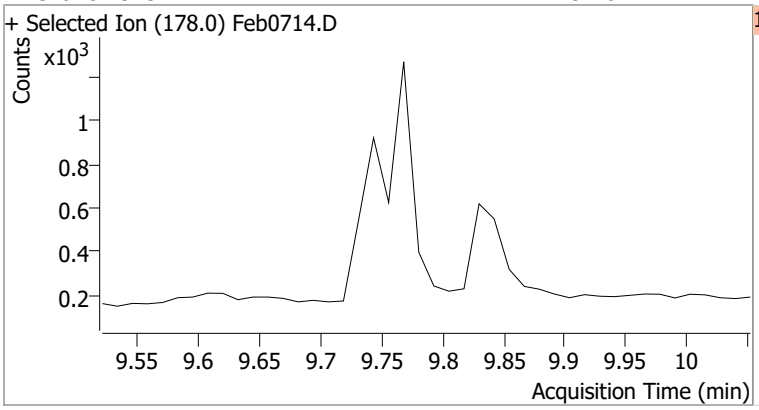


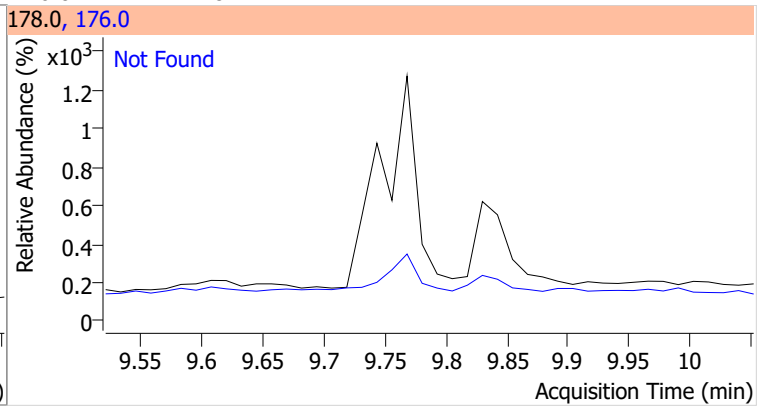
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



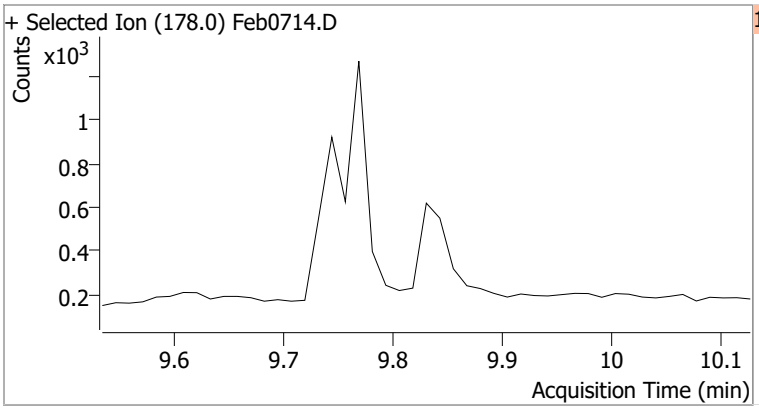


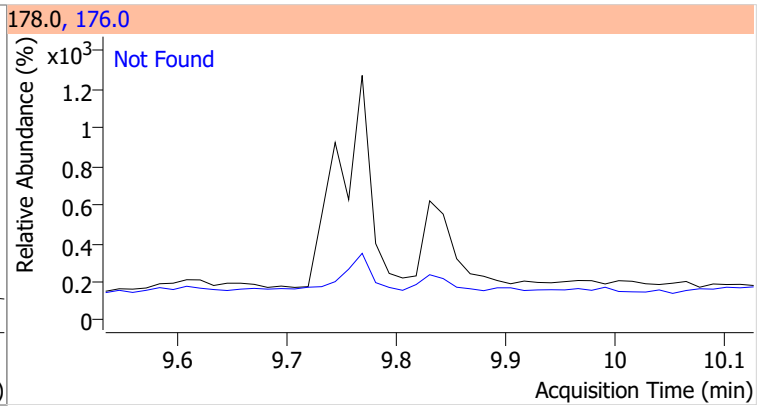
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.76	176.0	18.4



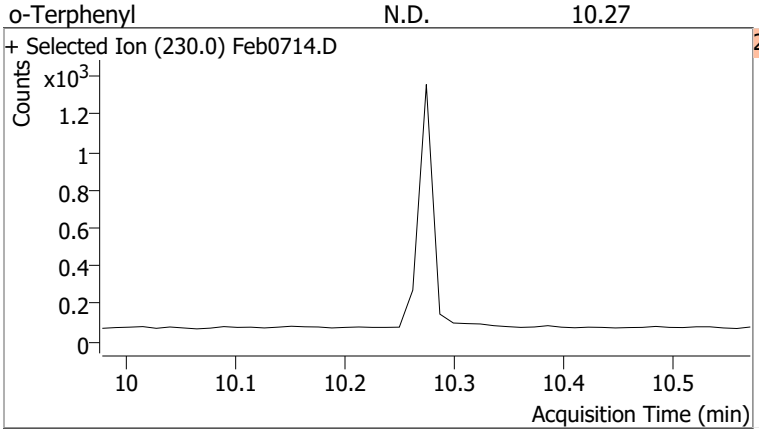


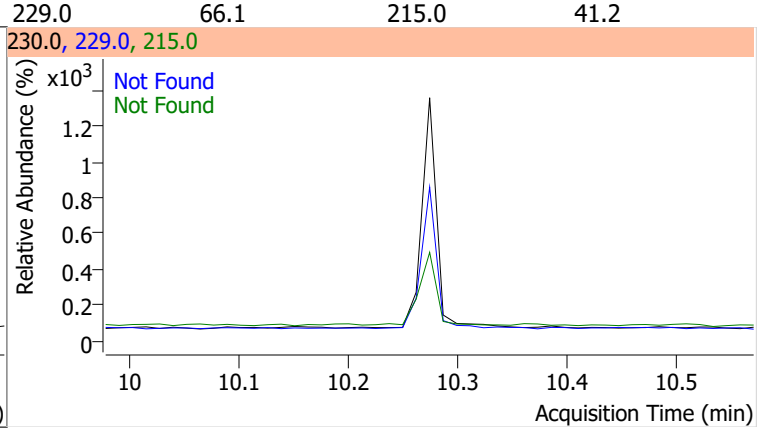
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.83	176.0	18.1



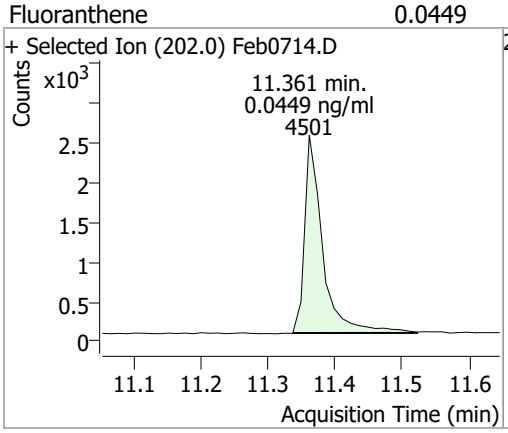


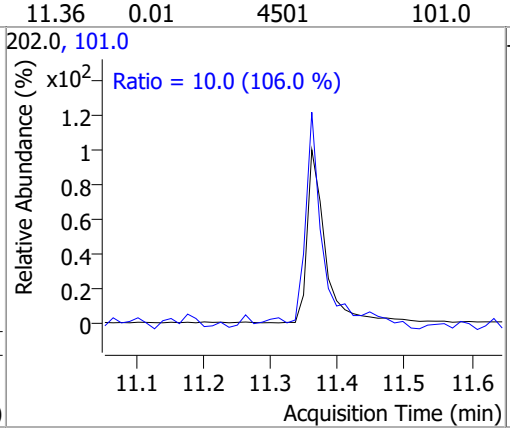
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.27	229.0	66.1	215.0	41.2

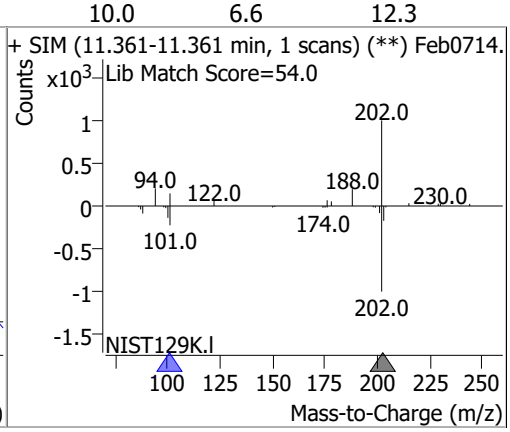




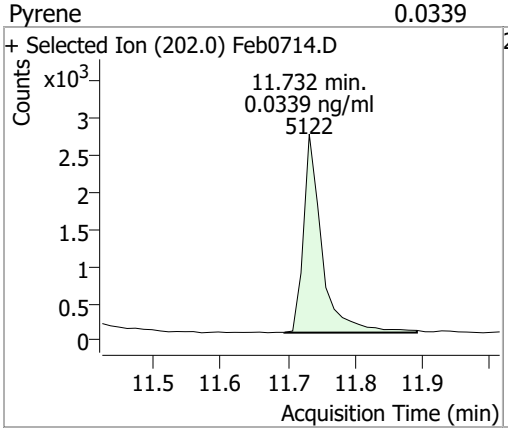
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	0.0449	11.36	0.01	4501	101.0	10.0	6.6	12.3

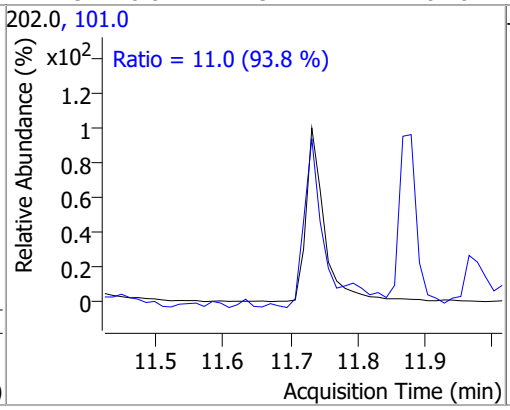


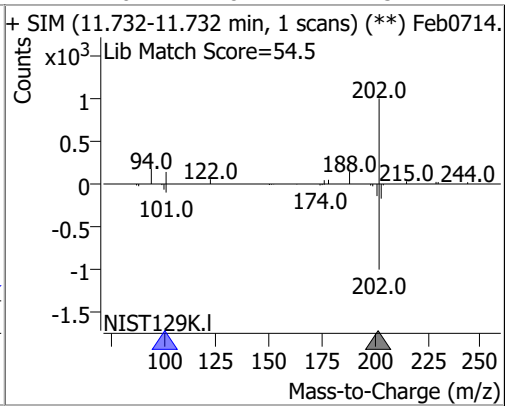




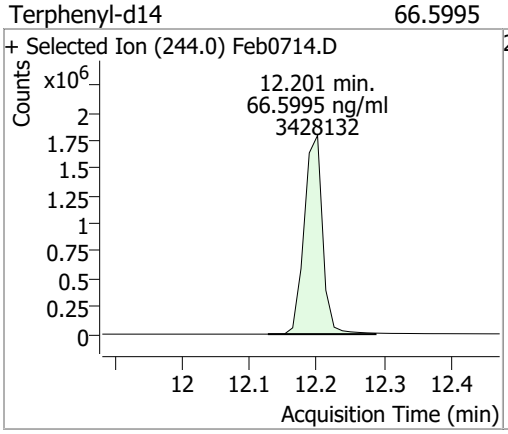
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	0.0339	11.73	0.01	5122	101.0	11.0	8.2	15.2

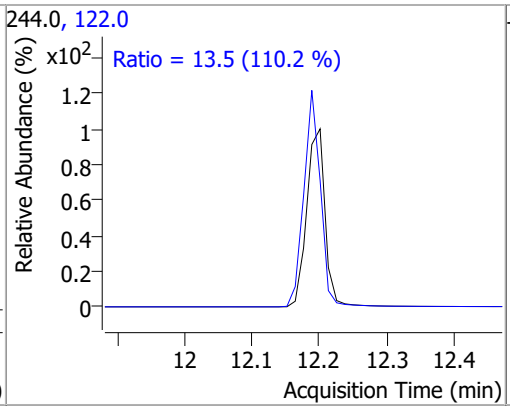


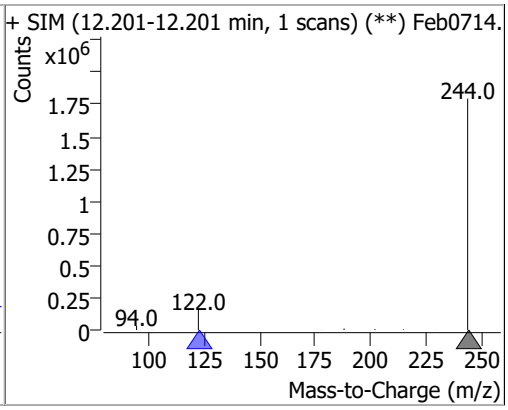




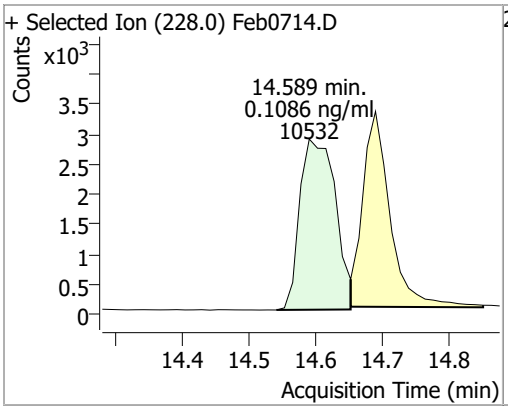
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	66.5995	12.20	0.02	3428132	122.0	13.5	8.6	15.9

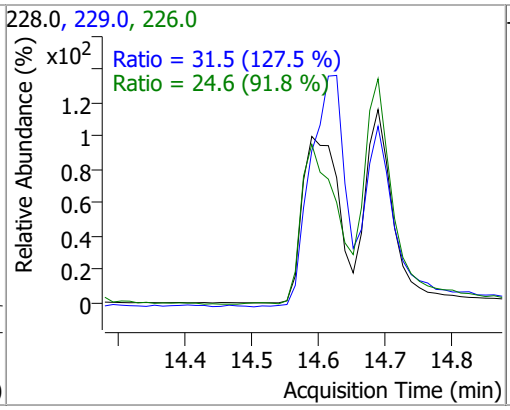


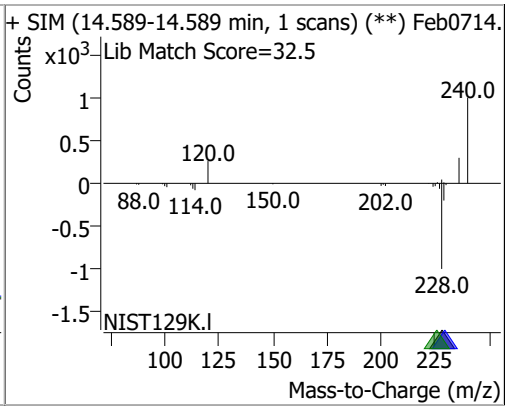




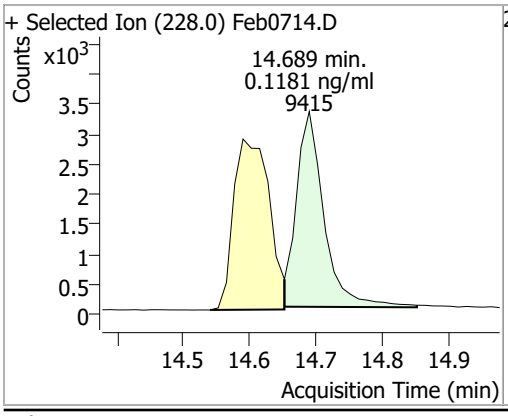
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	0.1086	14.59	0.01	10532	226.0	24.6	18.7	34.8
					229.0	31.5	17.3	32.1

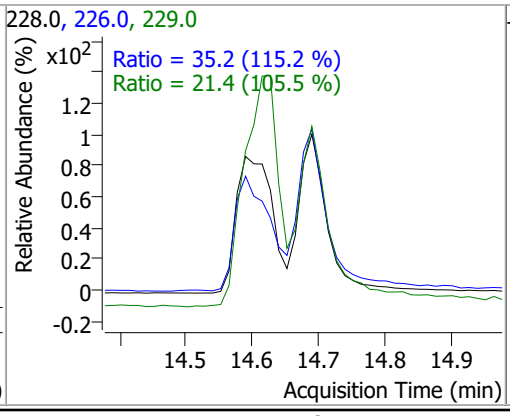


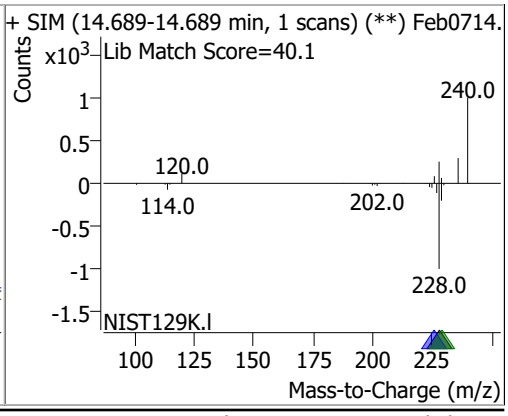




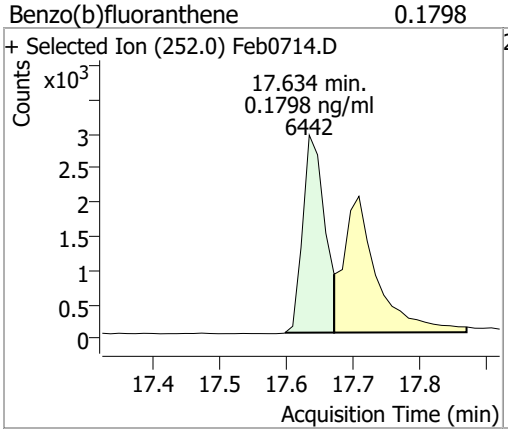
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	0.1181	14.69	0.01	9415	226.0	35.2	21.4	39.7
					229.0	21.4	14.2	26.3

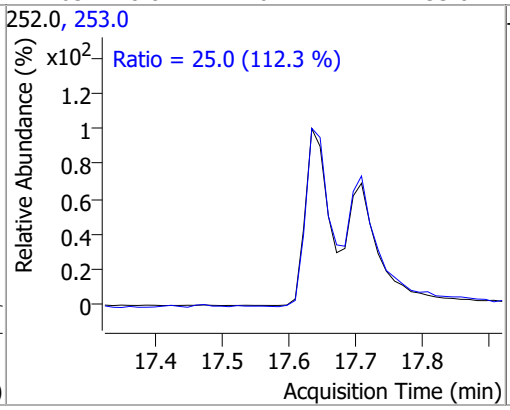


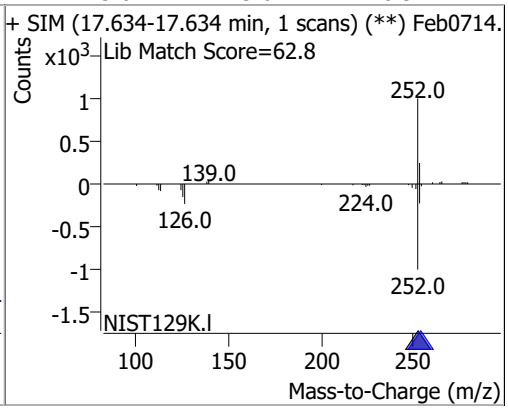




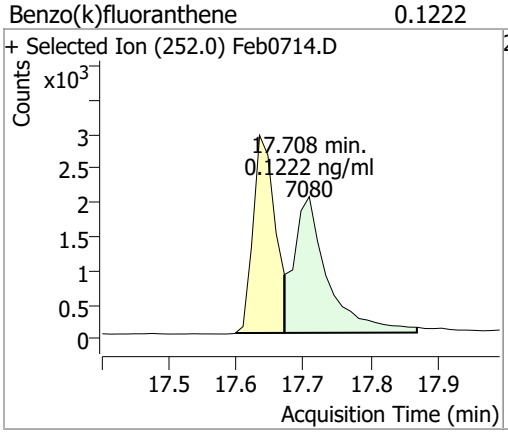
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	0.1798	17.63	0.01	6442	253.0	25.0	15.6	28.9

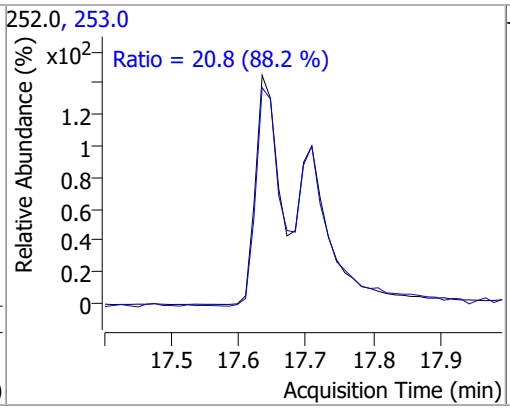


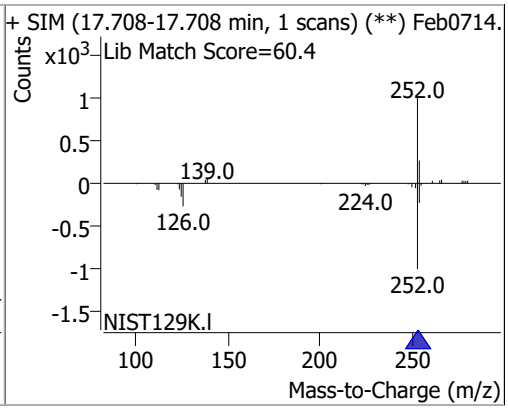




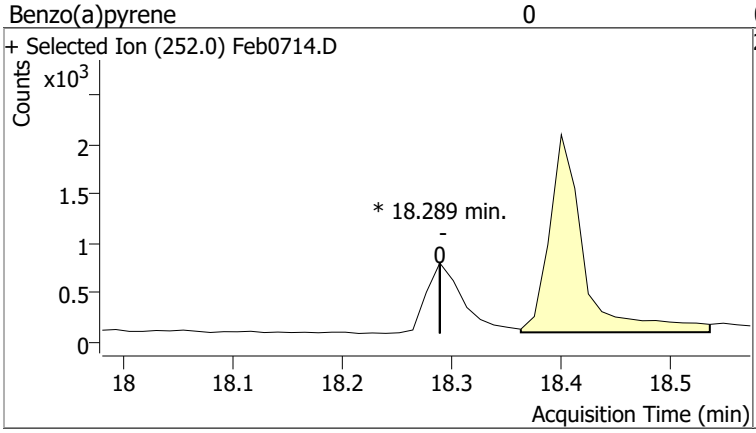
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	0.1222	17.71	0.01	7080	253.0	20.8	16.5	30.6

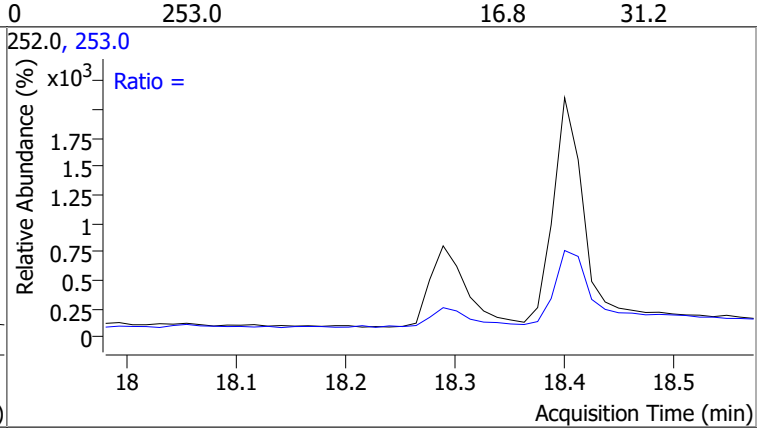




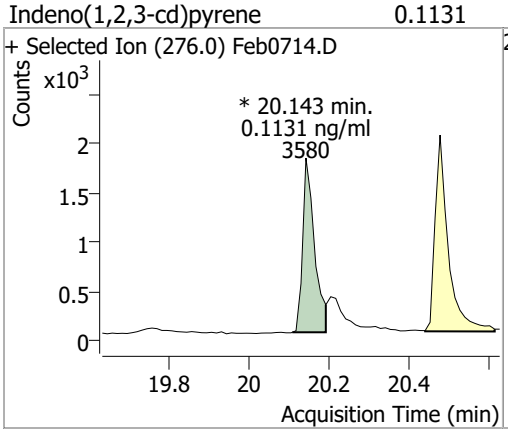


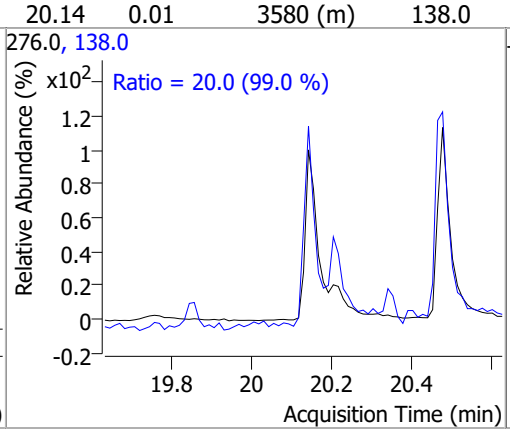
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2

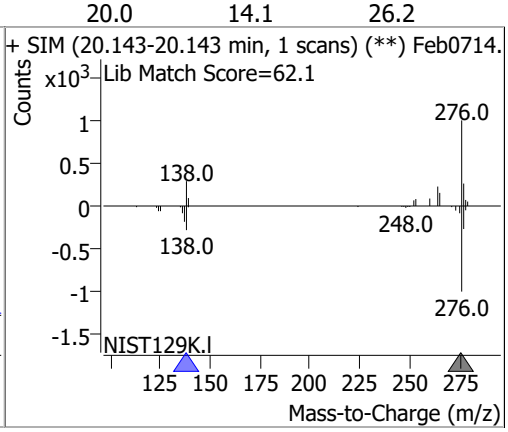




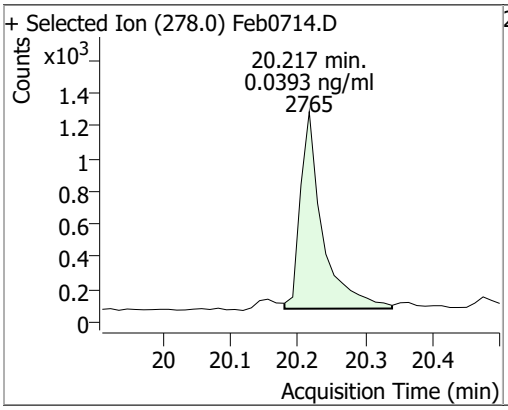
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	0.1131	20.14	0.01	3580 (m)	138.0	20.0	14.1	26.2

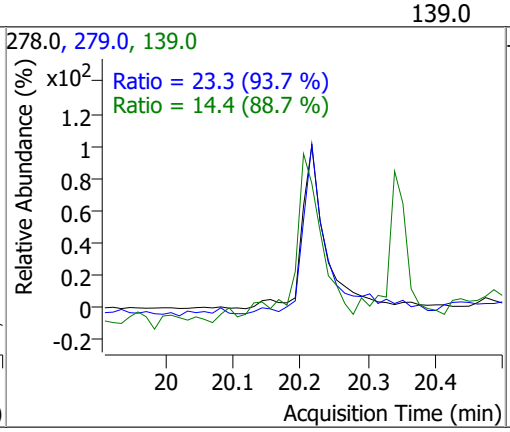


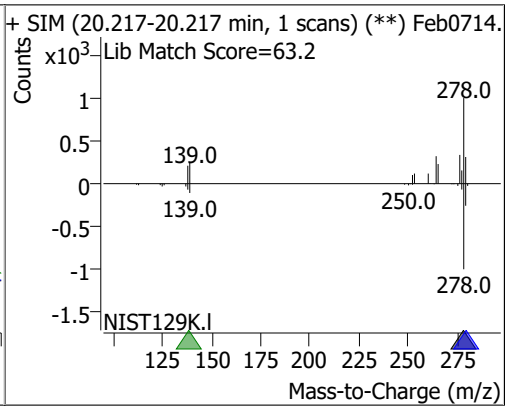




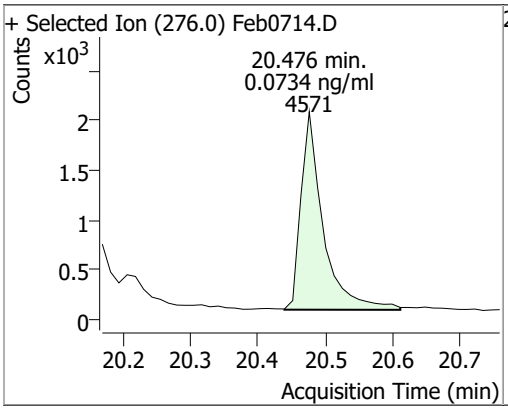
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	0.0393	20.22	0.01	2765	279.0	23.3	17.4	32.4
					139.0	14.4	11.4	21.1

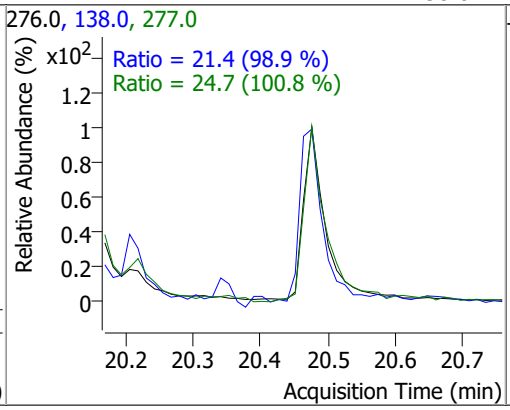


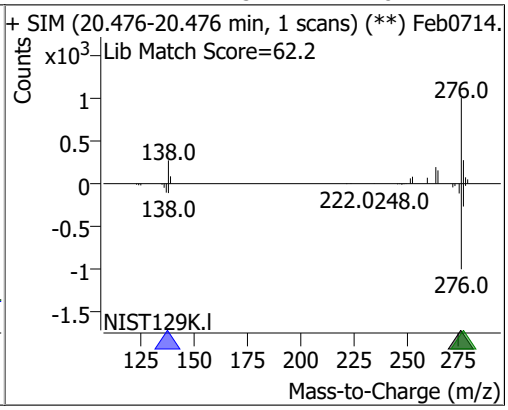




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	0.0734	20.48	0.01	4571	277.0	24.7	17.2	31.9
					138.0	21.4	15.1	28.1







Quantitation Results Report (QT Reviewed)

Data File	Feb0715.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 10:44:35 PM
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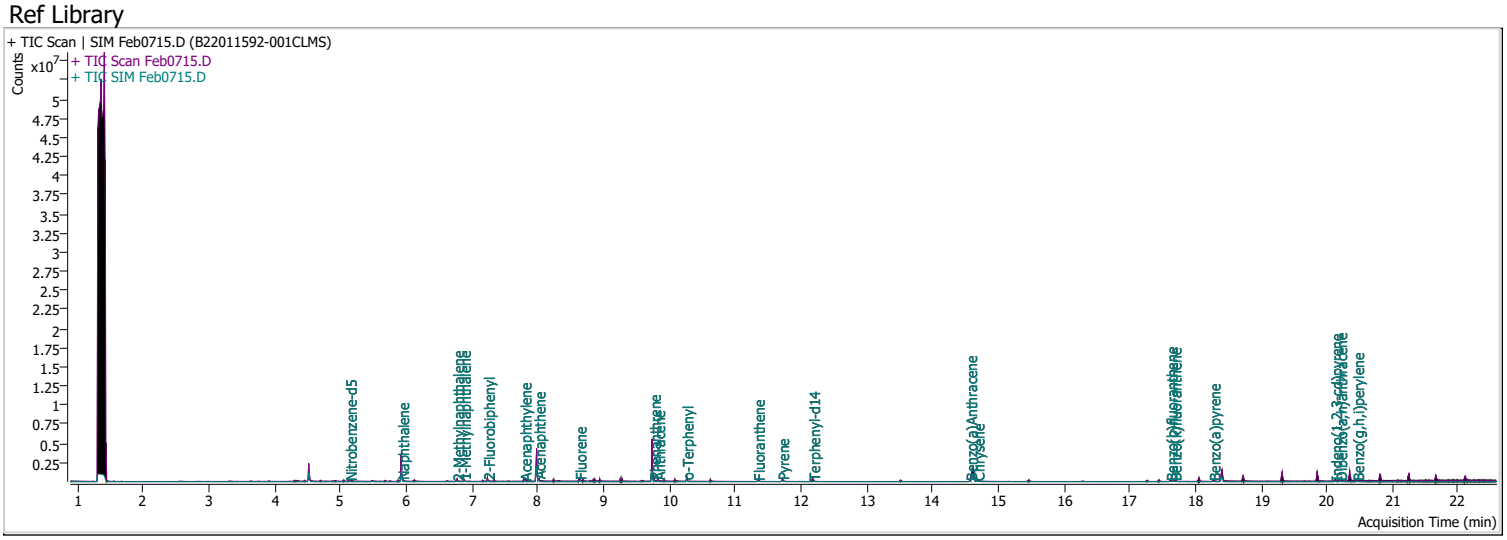
Vial	15	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

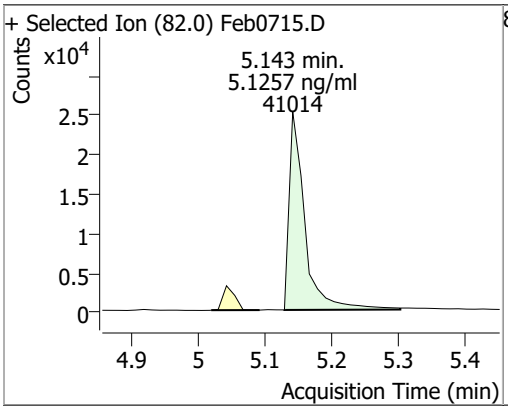


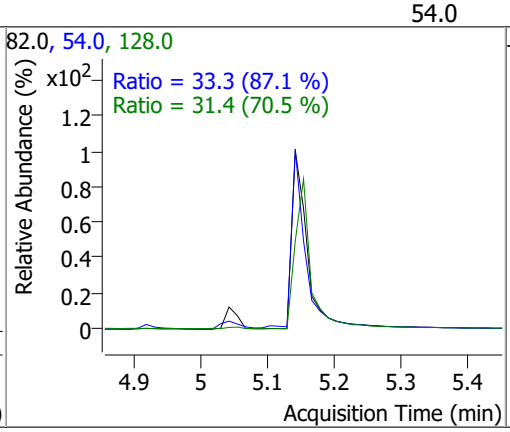
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	401389	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1449524	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.975	164.0	958322	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	1765260	40.0000	ng/ml		0.012
M Chrysene-d12	14.614	240.0	1489104	40.0000	ng/ml		0.000
M Perylene-d12	18.400	264.0	865696	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	41014	5.1257	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 102.51%		*	
S 2-Fluorobiphenyl	7.239	172.0	143822	4.8295	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 96.59%		*	
S o-Terphenyl	10.262	230.0	112268	4.1308	ng/ml		-0.012
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 82.62%			
S Terphenyl-d14	12.189	244.0	190532	5.9708	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 119.42%		*	
Target Compounds							**QValue**
T Naphthalene	5.941	128.0	109937	2.8150	ng/ml		98
T 2-Methylnaphthalene	6.777	141.0	69267	2.9157	ng/ml	m	96
T 1-Methylnaphthalene	6.877	141.0	69906	2.8217	ng/ml	m	97
T Acenaphthylene	7.801	152.0	128864	3.5078	ng/ml		95
T Acenaphthene	8.013	154.0	99176	3.8012	ng/ml		99
T Fluorene	8.636	166.0	124335	3.9631	ng/ml		84
T Phenanthrene	9.768	178.0	197254	4.2138	ng/ml		99
T Anthracene	9.830	178.0	165983	4.3291	ng/ml		98
T Fluoranthene	11.349	202.0	217075	4.8401	ng/ml		99
T Pyrene	11.719	202.0	231709	4.6306	ng/ml		100
T Benzo(a)Anthracene	14.577	228.0	156485	4.5090	ng/ml		98
T Chrysene	14.689	228.0	219233	4.5801	ng/ml		97
T Benzo(b)fluoranthene	17.622	252.0	147239	4.7578	ng/ml		98

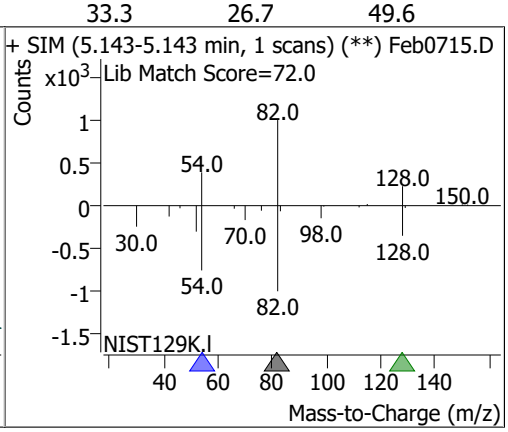
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.684	252.0	149587	4.3871	ng/ml	99
T Benzo(a)pyrene	18.277	252.0	110868	4.1870	ng/ml	97
T Indeno(1,2,3-cd)pyrene	20.130	276.0	109825	4.5866	ng/ml	97
T Dibenzo(a,h)anthracene	20.204	278.0	129373	4.7338	ng/ml	98
T Benzo(g,h,i)perylene	20.464	276.0	153340	4.7223	ng/ml	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

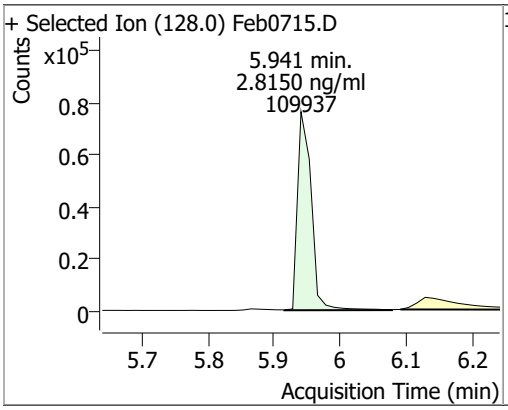
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	5.1257	5.14	-0.01	41014	128.0	31.4	31.2	57.9
					54.0	33.3	26.7	49.6

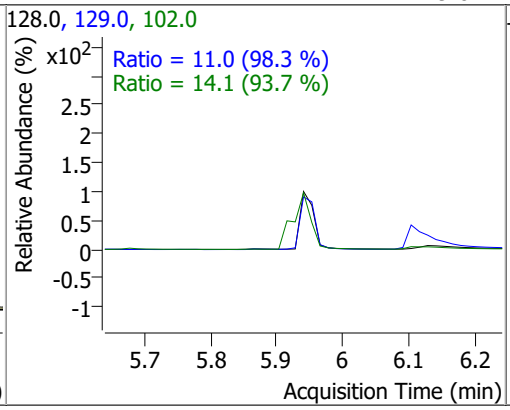


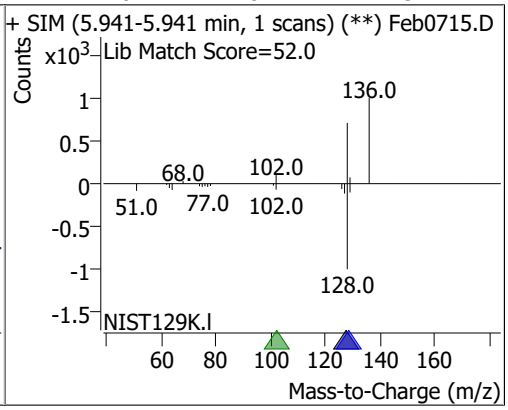




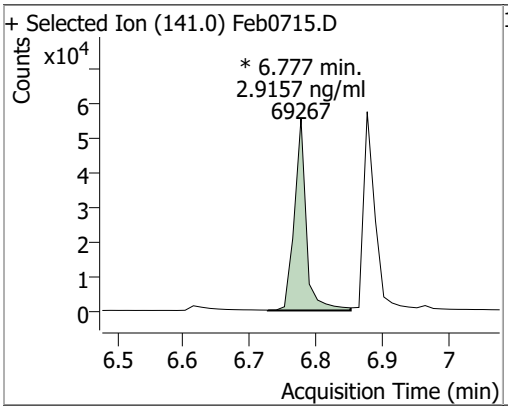
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	2.8150	5.94	0.00	109937	102.0	14.1	0.0	45.0
					129.0	11.0	7.8	14.5

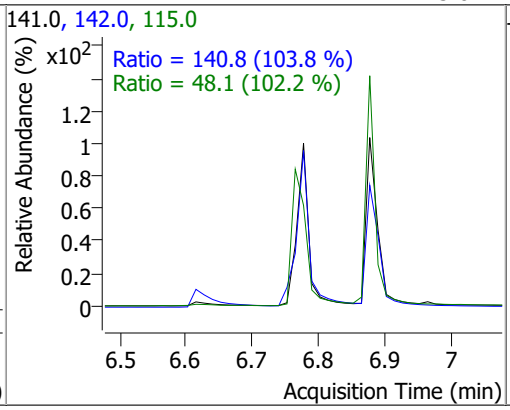


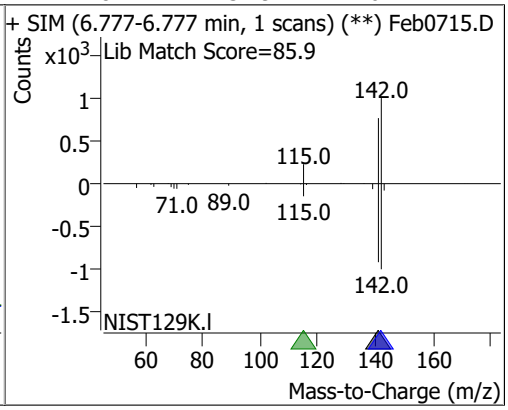




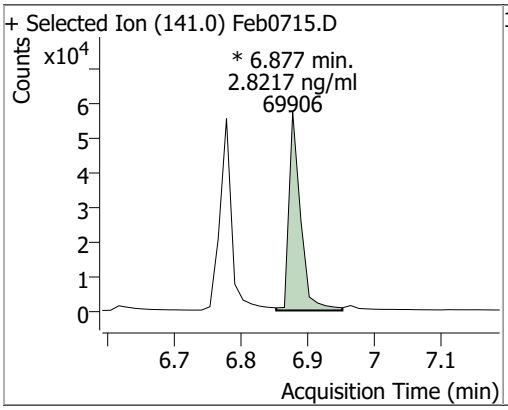
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	2.9157	6.78	0.00	69267 (m)	142.0	140.8	95.0	176.4
					115.0	48.1	32.9	61.2

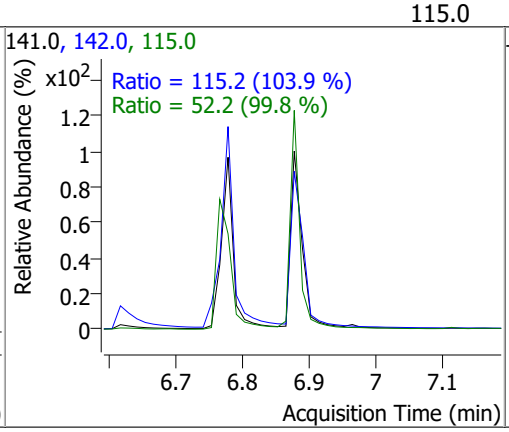


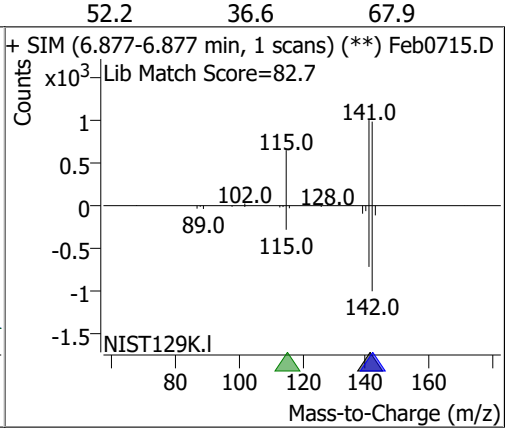




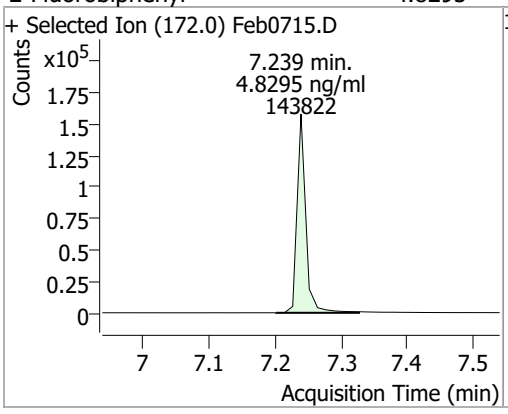
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.8217	6.88	-0.01	69906 (m)	142.0	115.2	77.7	144.2
					115.0	52.2	36.6	67.9

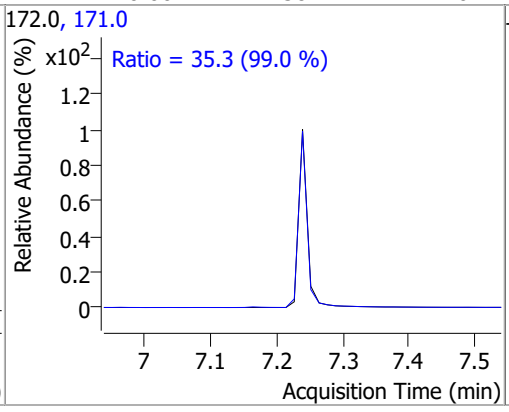


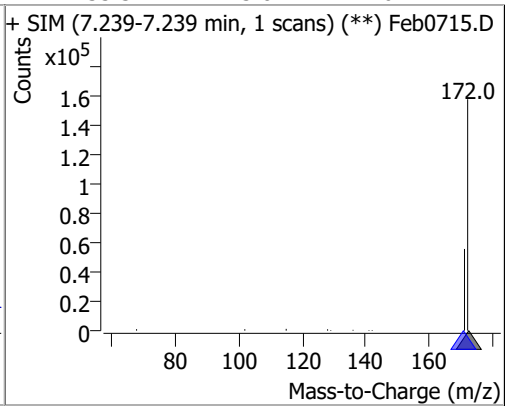




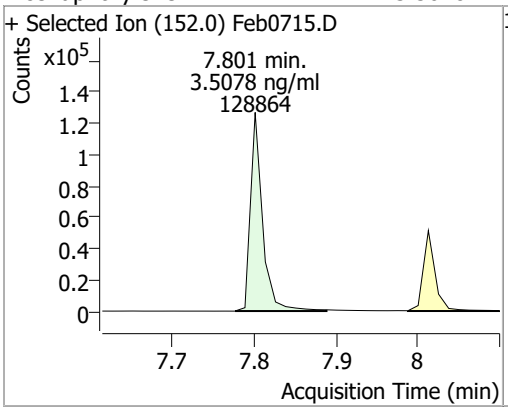
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	4.8295	7.24	0.00	143822	171.0	35.3	25.0	46.4

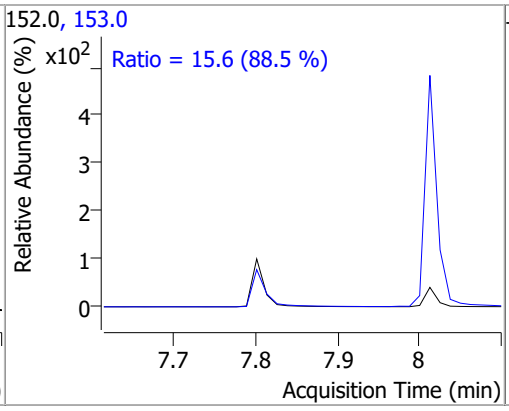


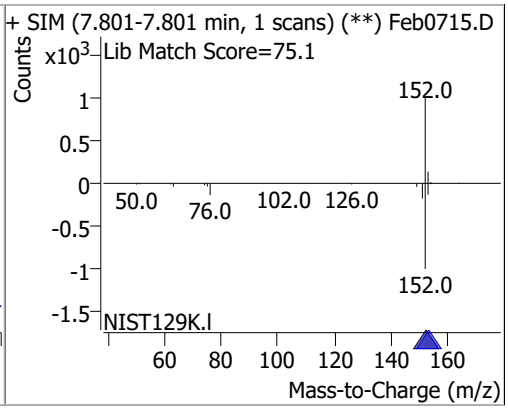




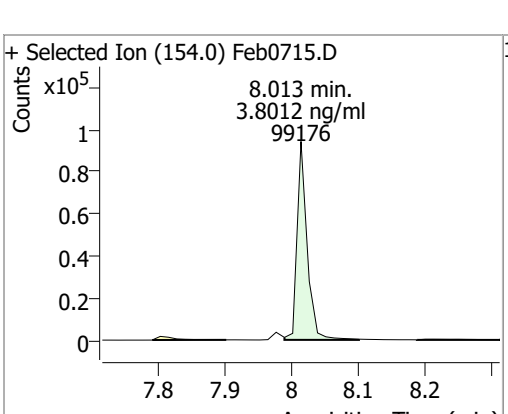
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	3.5078	7.80	0.00	128864	153.0	15.6	12.3	22.9

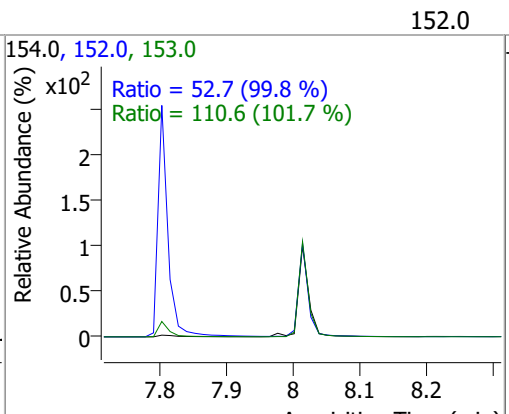


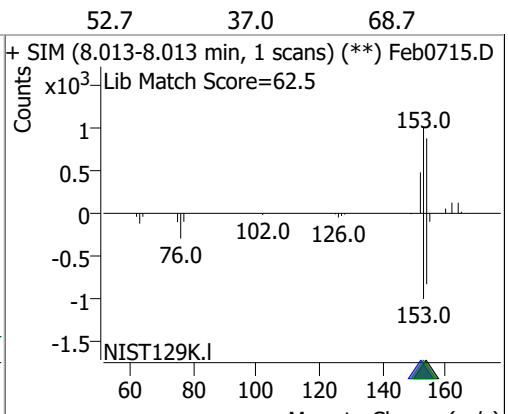




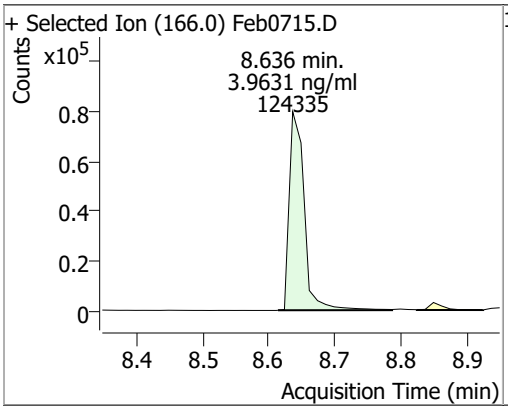
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	3.8012	8.01	0.00	99176	153.0	110.6	76.2	141.5
					152.0	52.7	37.0	68.7

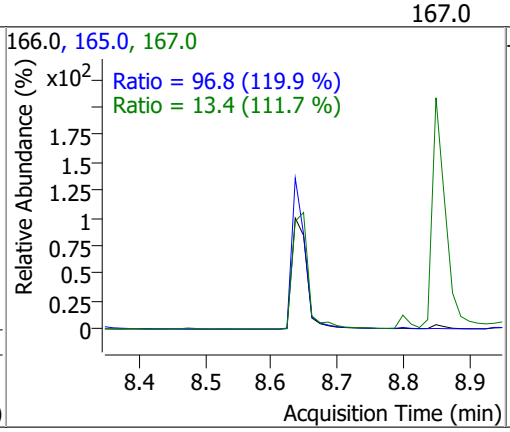


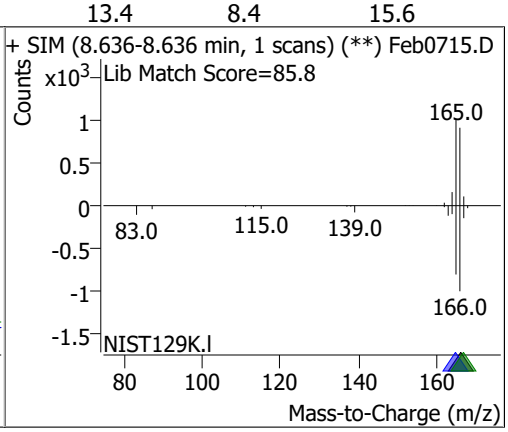




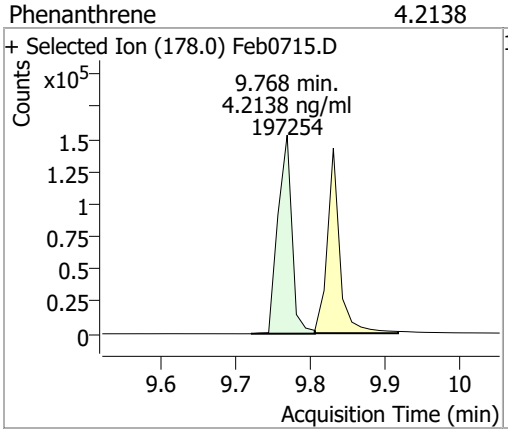
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	3.9631	8.64	-0.01	124335	165.0	96.8	56.5	104.9
					167.0	13.4	8.4	15.6

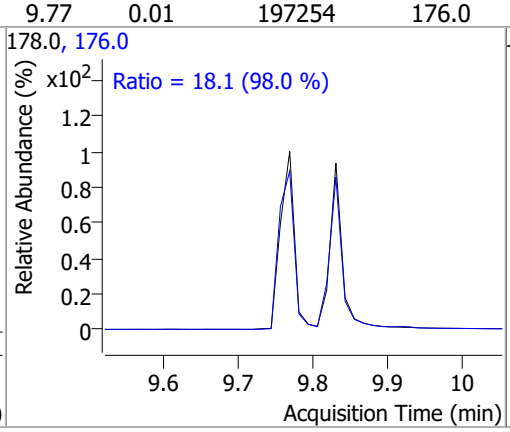


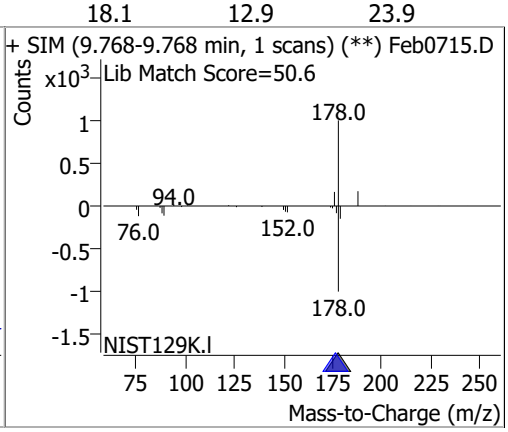




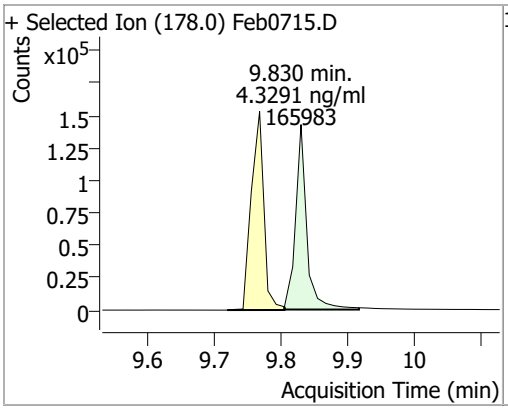
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	4.2138	9.77	0.01	197254	176.0	18.1	12.9	23.9

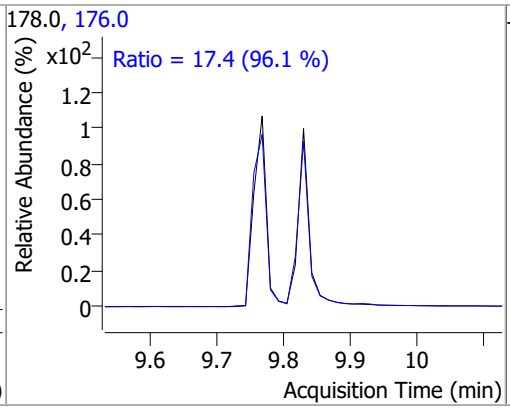


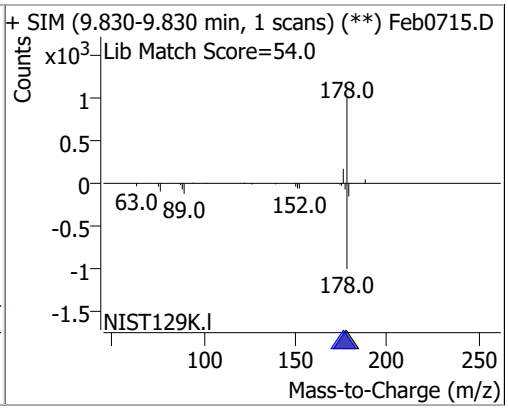




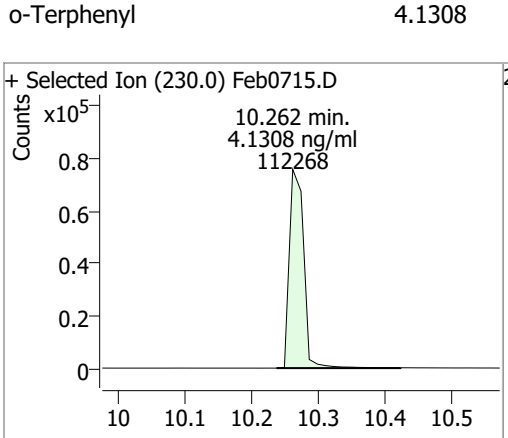
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	4.3291	9.83	0.00	165983	176.0	17.4	12.7	23.6

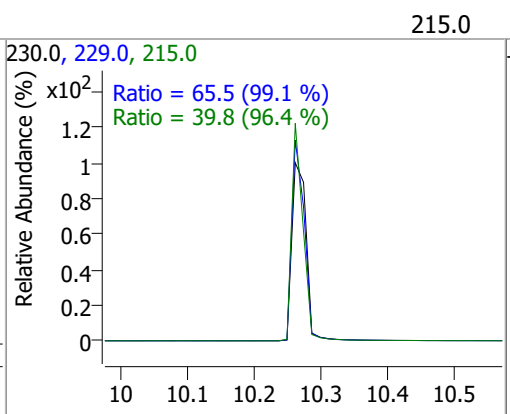


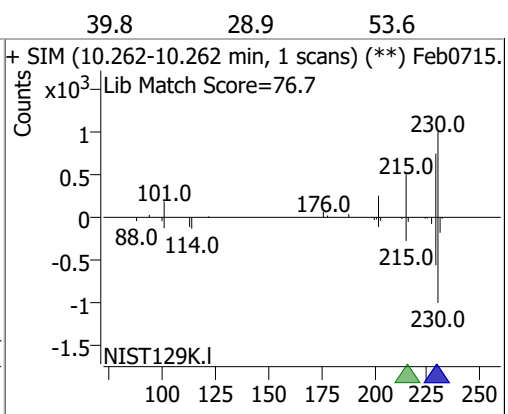




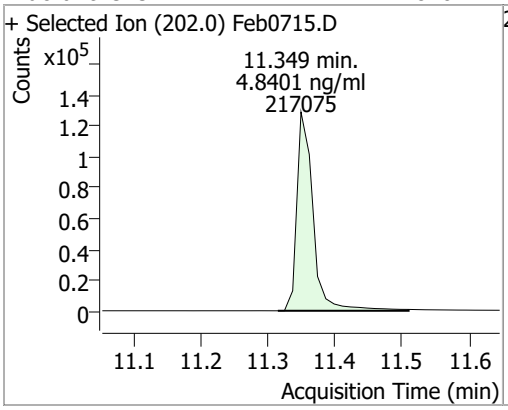
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.1308	10.26	-0.01	112268	229.0	65.5	46.3	85.9
					215.0	39.8	28.9	53.6

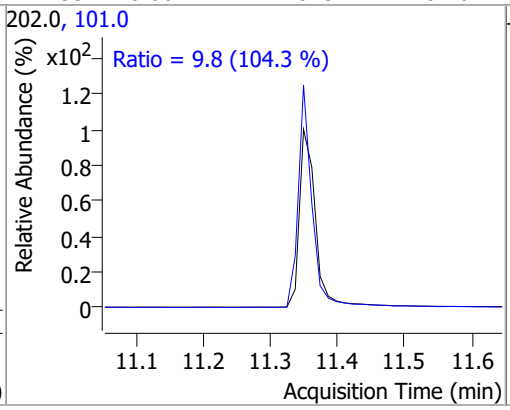


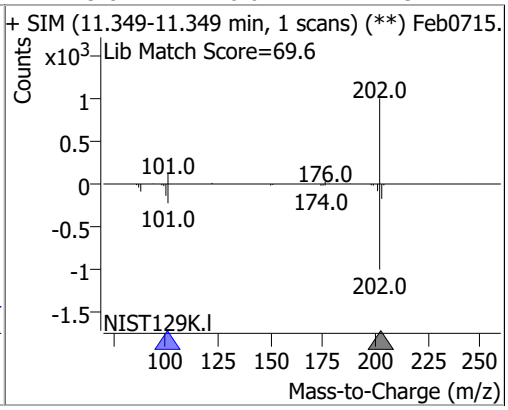




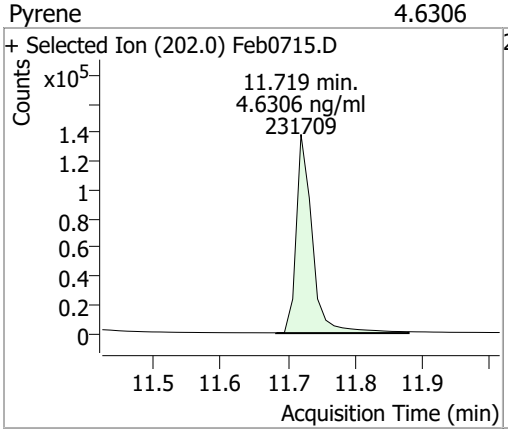
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	4.8401	11.35	0.00	217075	101.0	9.8	6.6	12.3

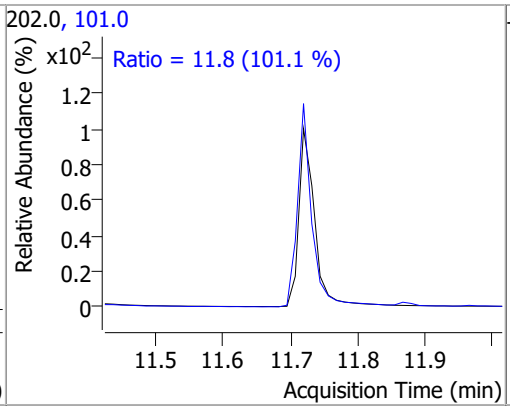


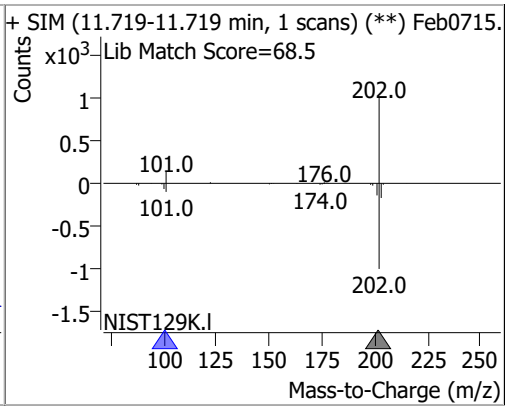




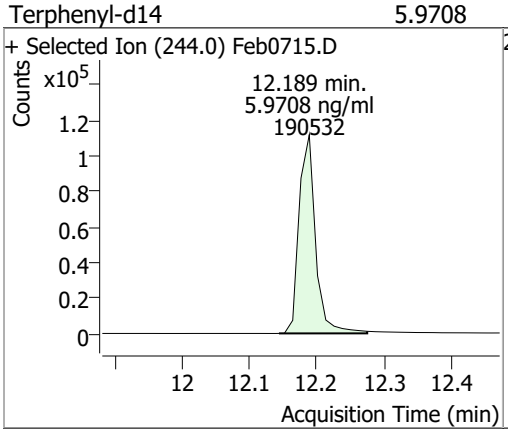
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	4.6306	11.72	0.00	231709	101.0	11.8	8.2	15.2

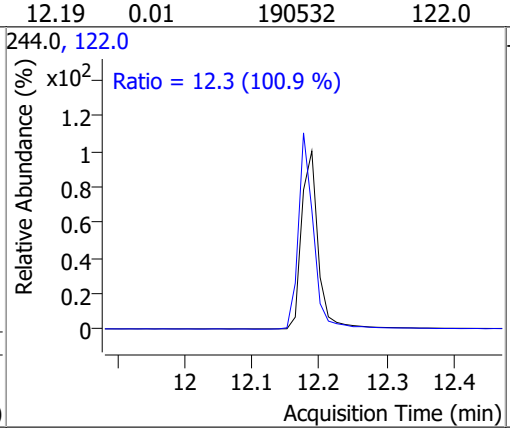


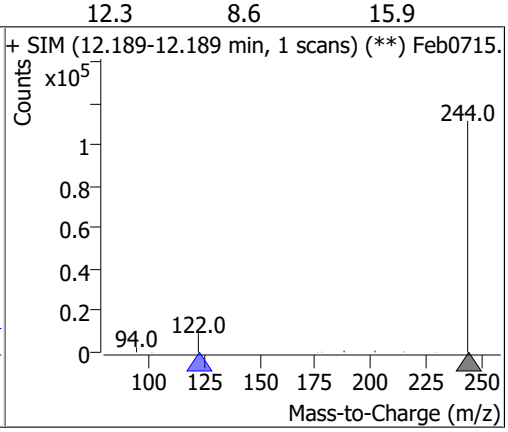




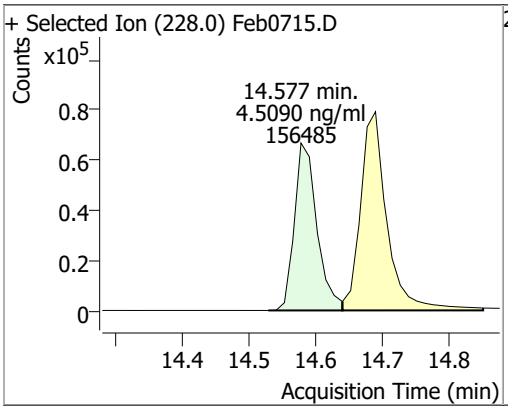
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	5.9708	12.19	0.01	190532	122.0	12.3	8.6	15.9

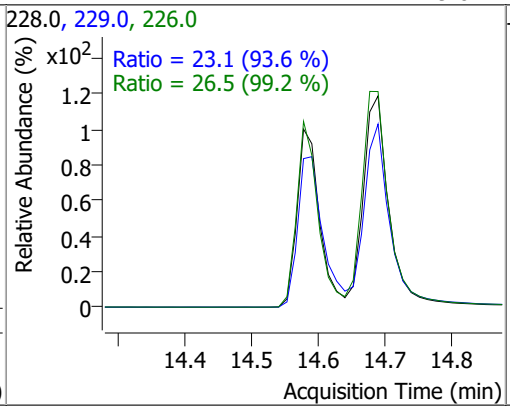


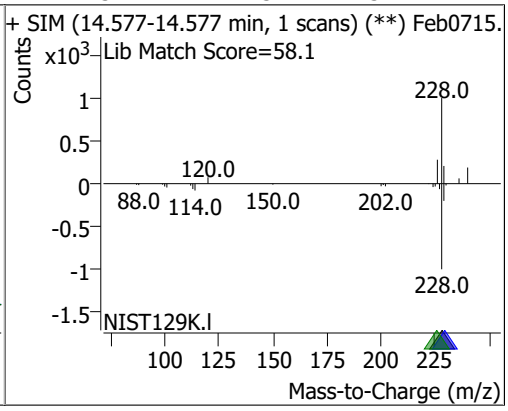




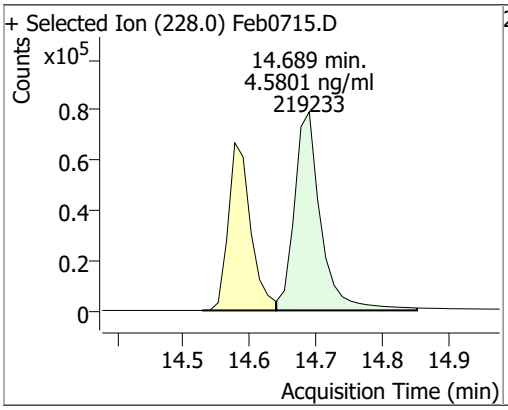
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	4.5090	14.58	0.00	156485	226.0	26.5	18.7	34.8
					229.0	23.1	17.3	32.1

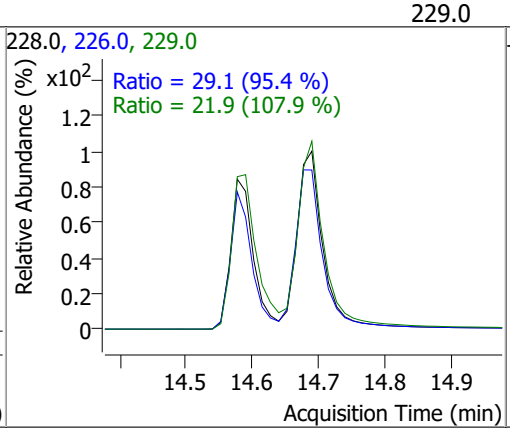


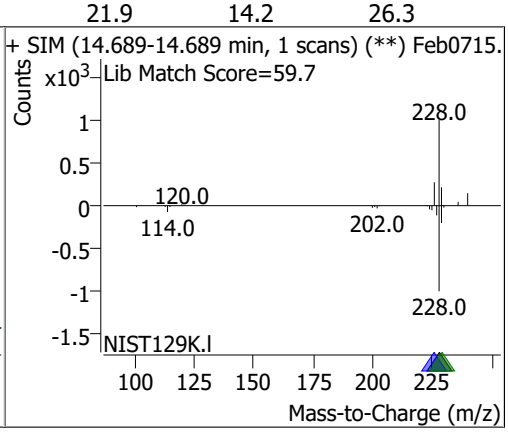




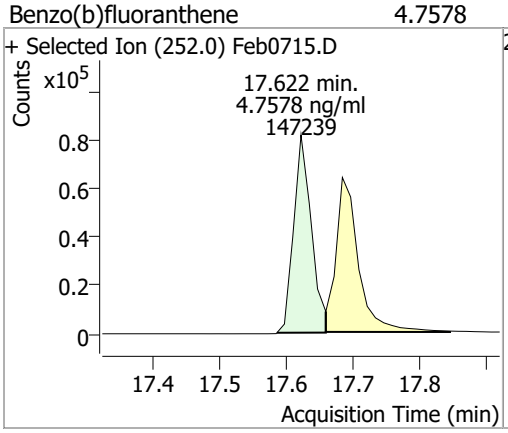
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	4.5801	14.69	0.01	219233	226.0	29.1	21.4	39.7
					229.0	21.9	14.2	26.3

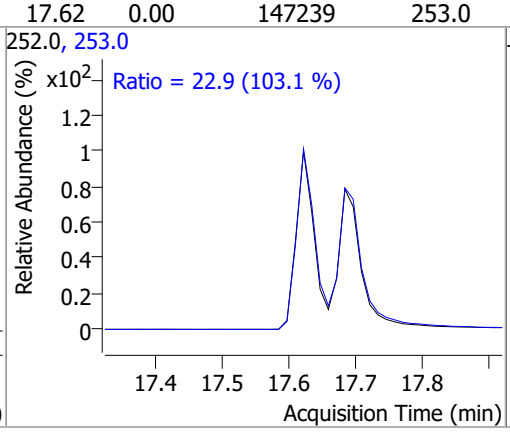


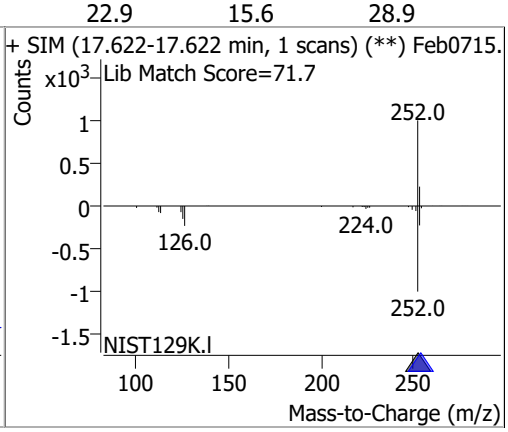




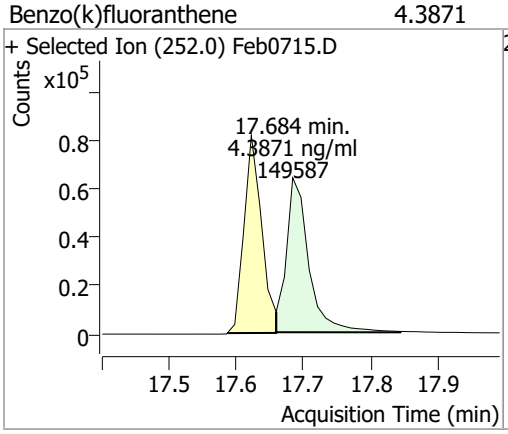
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	4.7578	17.62	0.00	147239	253.0	22.9	15.6	28.9

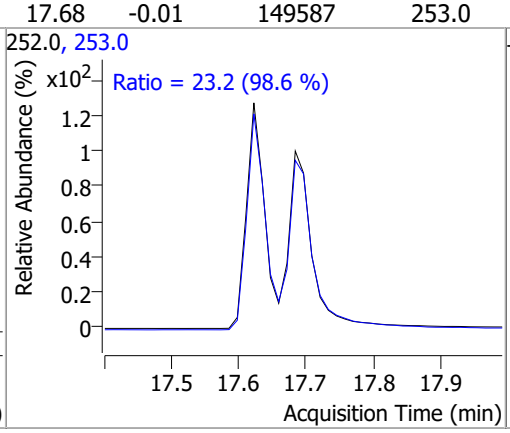


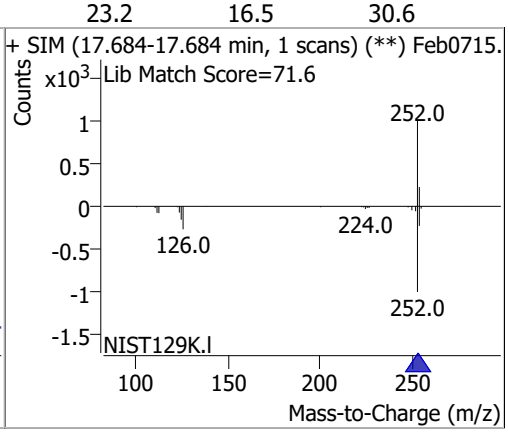




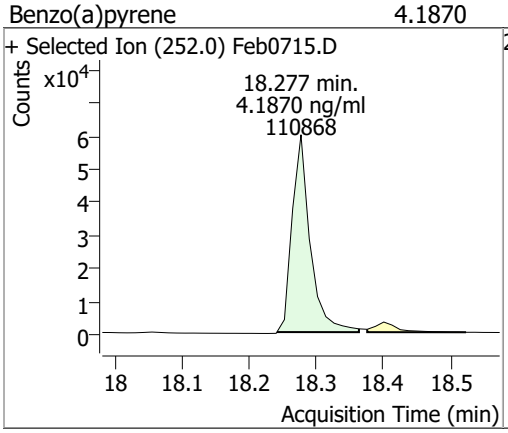
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	4.3871	17.68	-0.01	149587	253.0	23.2	16.5	30.6

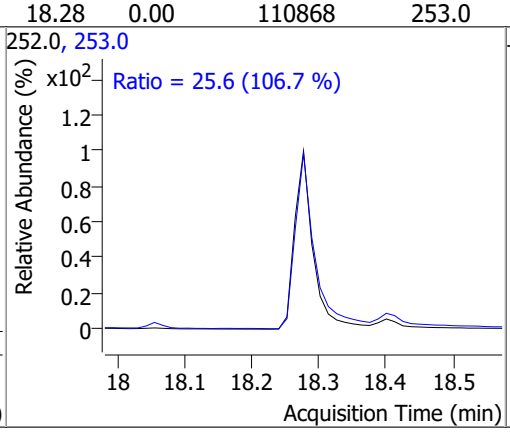


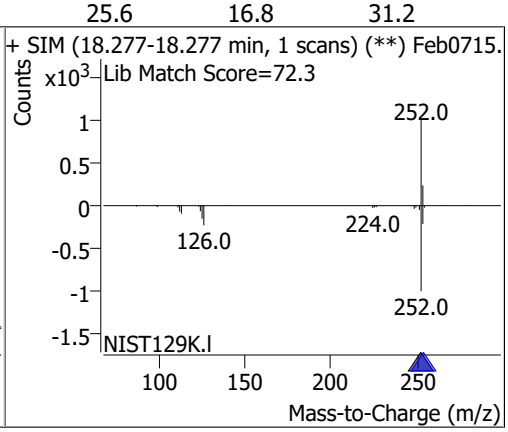




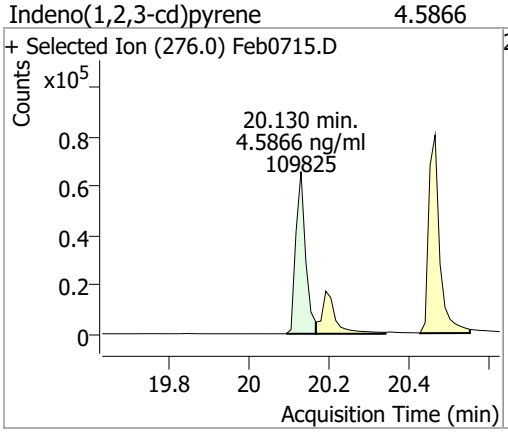
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	4.1870	18.28	0.00	110868	253.0	25.6	16.8	31.2

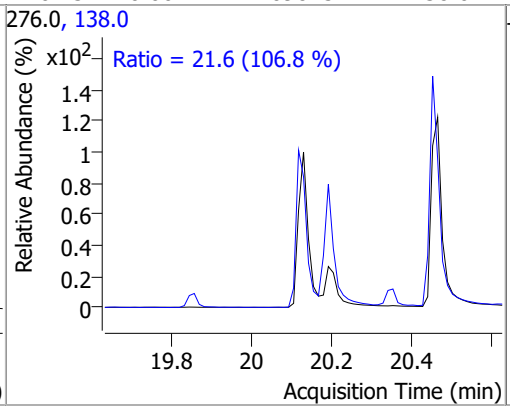


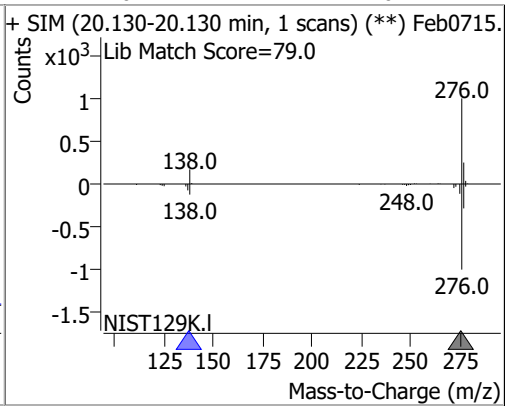




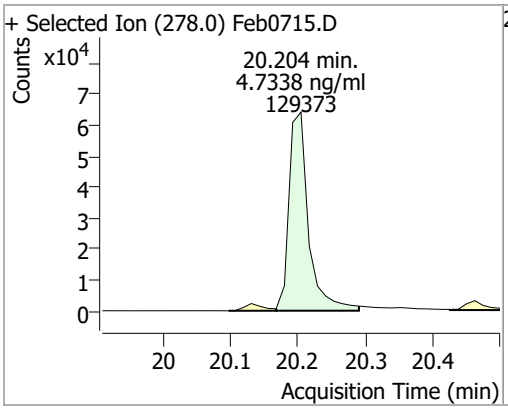
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	4.5866	20.13	0.00	109825	138.0	21.6	14.1	26.2

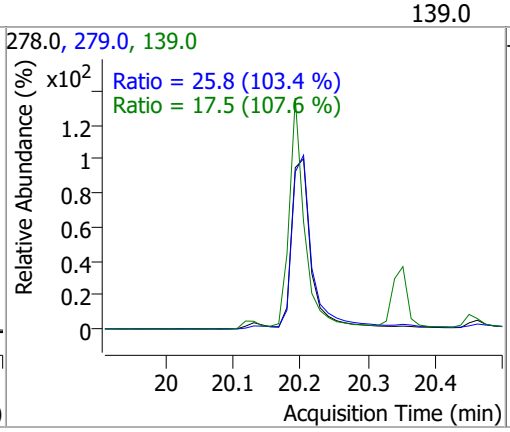


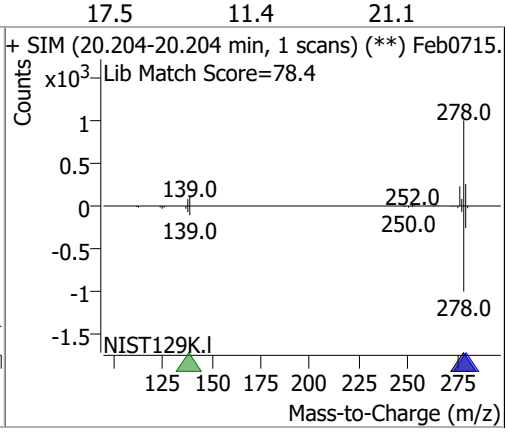




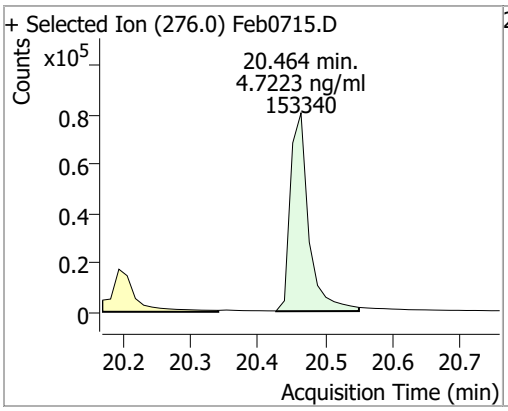
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	4.7338	20.20	0.00	129373	279.0	25.8	17.4	32.4
					139.0	17.5	11.4	21.1

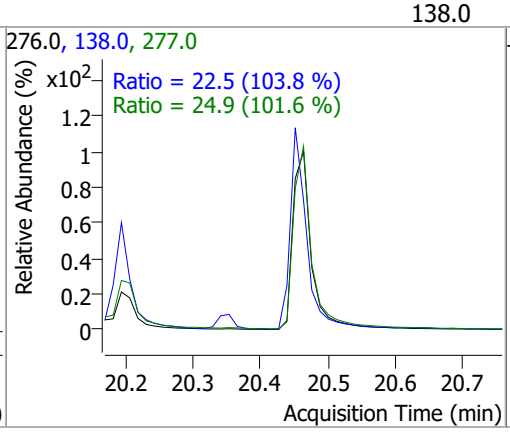


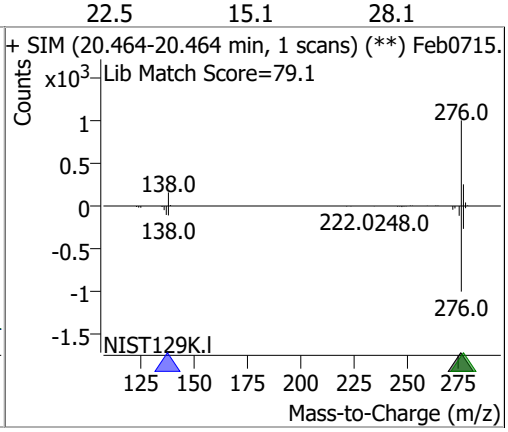




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	4.7223	20.46	0.00	153340	277.0	24.9	17.2	31.9
					138.0	22.5	15.1	28.1

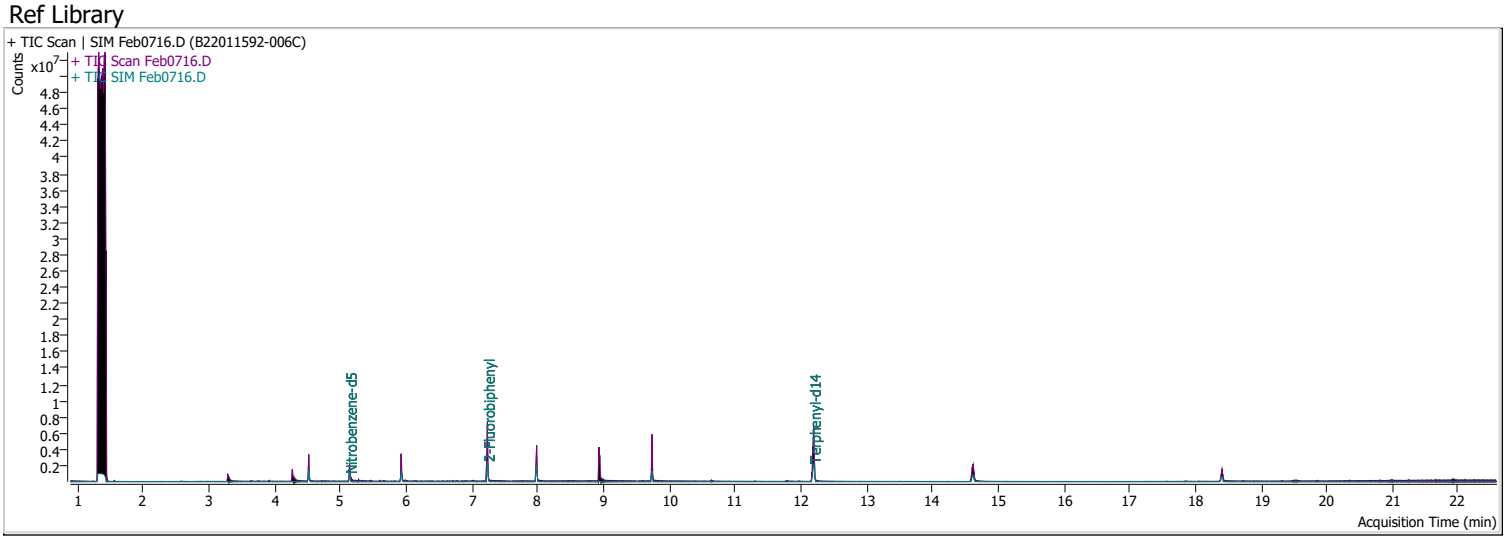






Quantitation Results Report (QT Reviewed)

Data File	Feb0716.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 11:17:13 PM
Sample Name	B22011592-006C	Instrument	GCMS
Vial	16	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

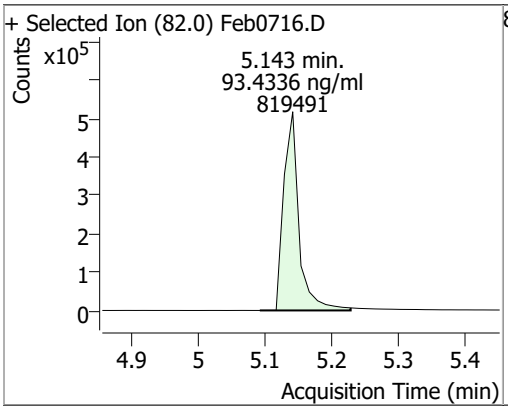


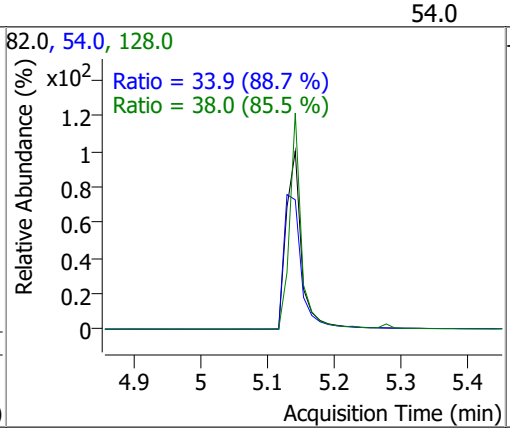
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	439976	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1527325	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.976	164.0	1005784	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	1780388	40.0000	ng/ml		0.012
M Chrysene-d12	14.614	240.0	1516150	40.0000	ng/ml		0.000
M Perylene-d12	18.400	264.0	883693	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	819491	93.4336	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1868.67%		*	
S 2-Fluorobiphenyl	7.240	172.0	2325322	85.4459	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1708.92%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.201	244.0	3350456	66.3805	ng/ml		0.025
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1327.61%		*	
Target Compounds							**QValue**
T Naphthalene	5.928	128.0	0		ng/ml	md	1
T 2-Methylnaphthalene	6.777	141.0	0		ng/ml	md	1
T 1-Methylnaphthalene	7.015	141.0	0		ng/ml	md	1
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.013	154.0	0		ng/ml	md	1
T Fluorene	8.649	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.614	228.0	0		ng/ml	md	1
T Chrysene	14.689	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

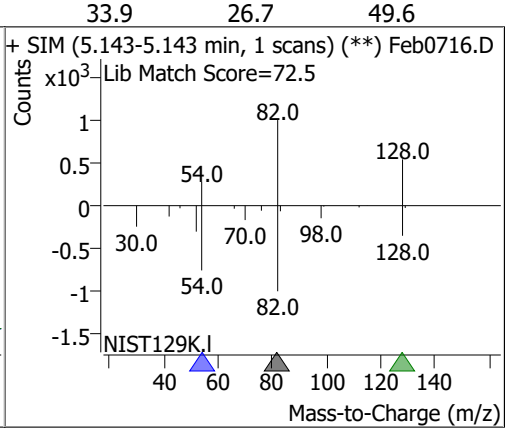
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.289	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

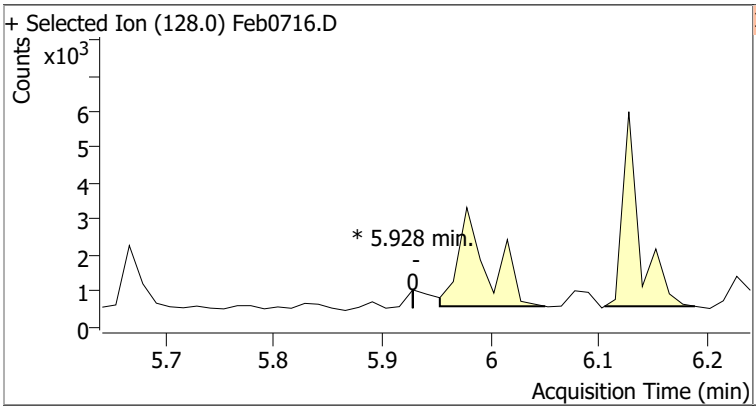
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	93.4336	5.14	-0.01	819491	128.0	38.0	31.2	57.9
					54.0	33.9	26.7	49.6

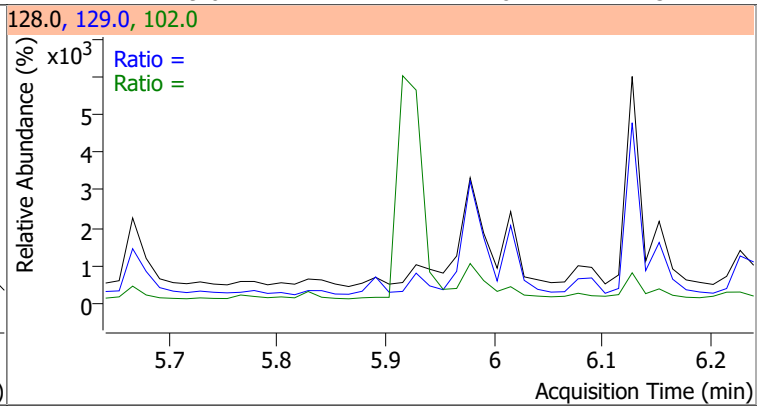




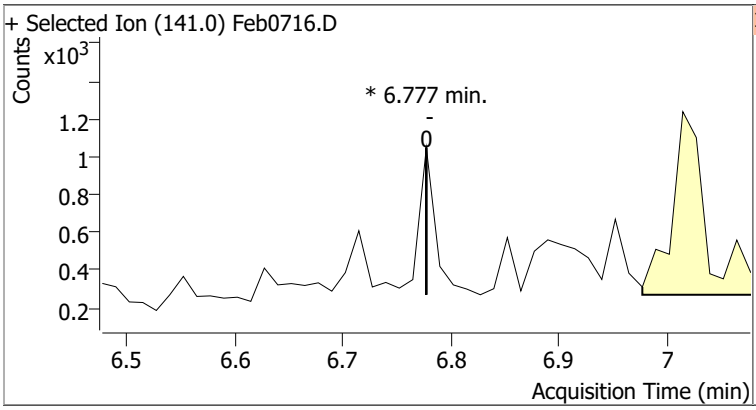


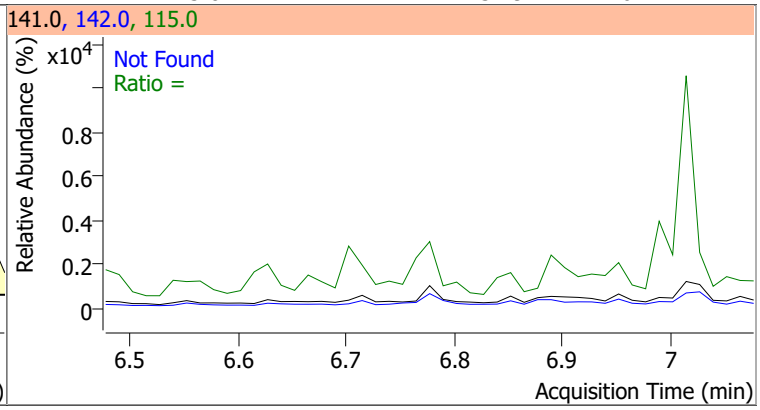
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene		0		0	102.0		0.0	45.0
					129.0		7.8	14.5



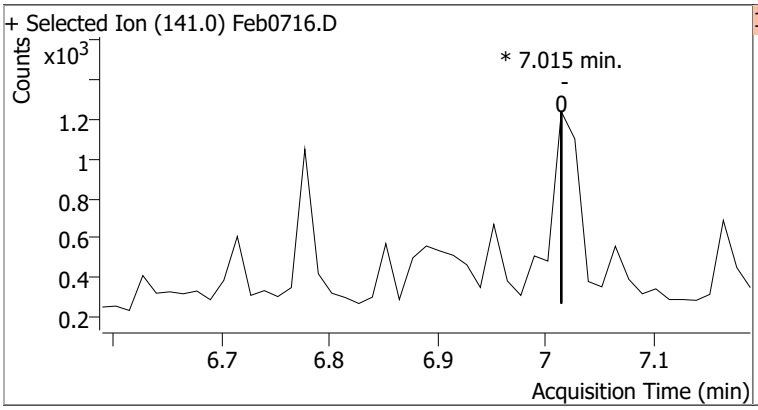


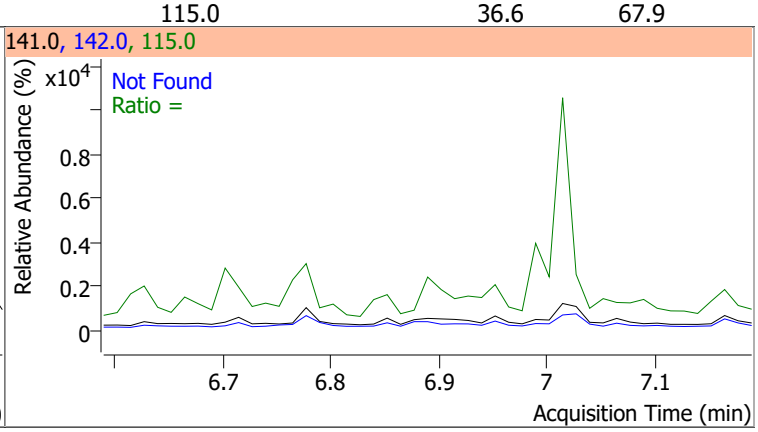
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene		0		0	142.0		95.0	176.4
					115.0		32.9	61.2



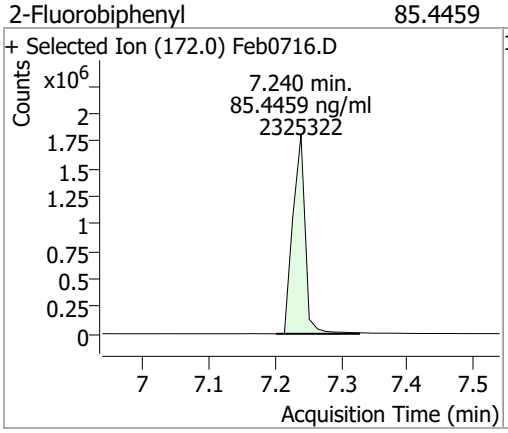


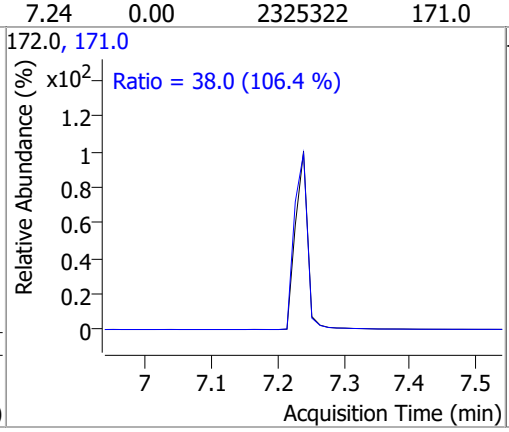
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene		0		0	142.0		77.7	144.2
					115.0		36.6	67.9

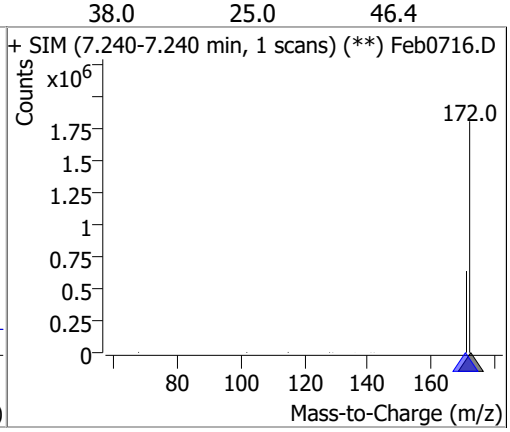




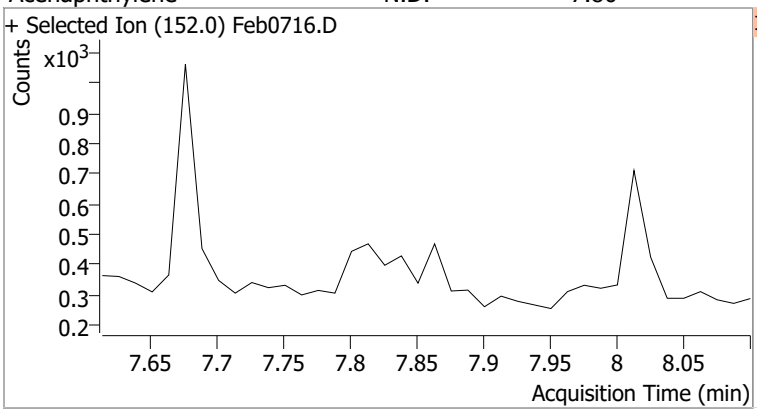
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	85.4459	7.24	0.00	2325322	171.0	38.0	25.0	46.4

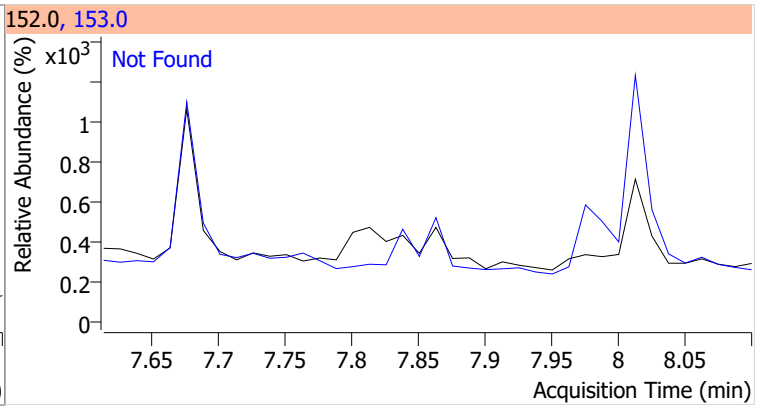




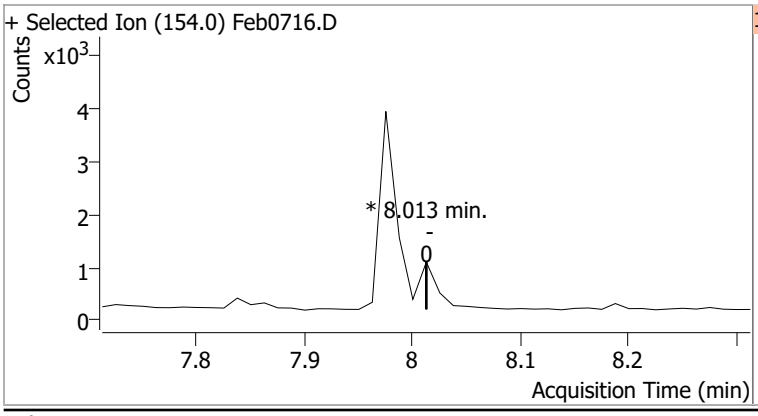


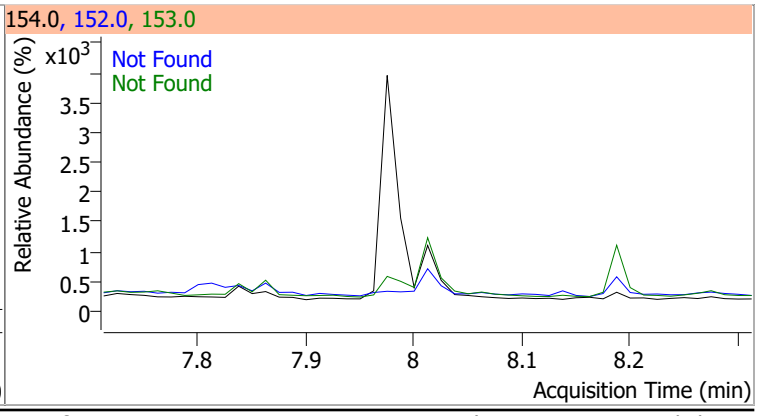
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.80	153.0	17.6



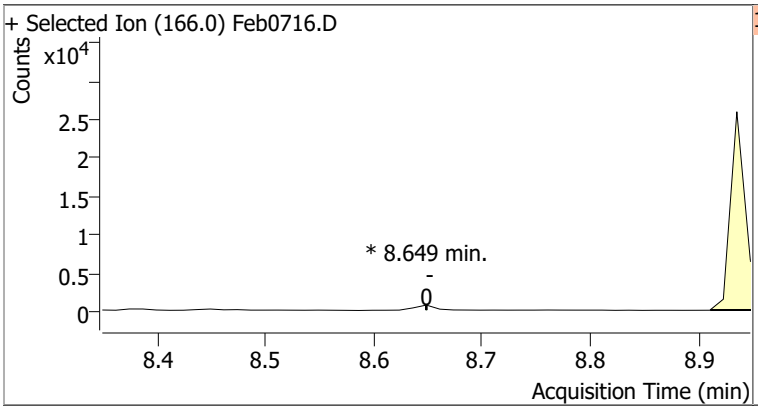


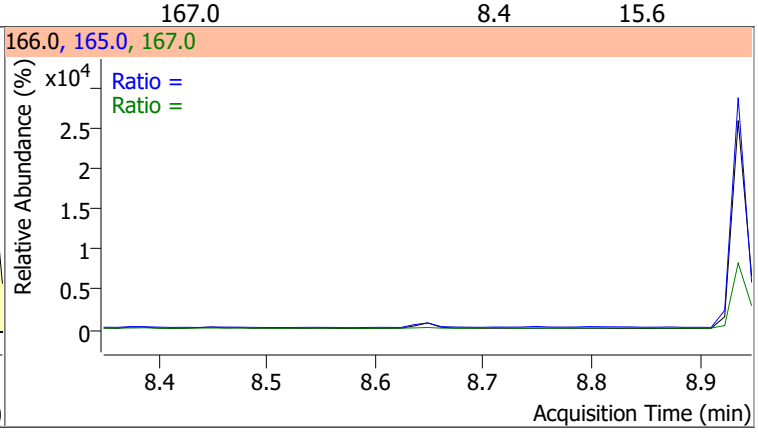
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



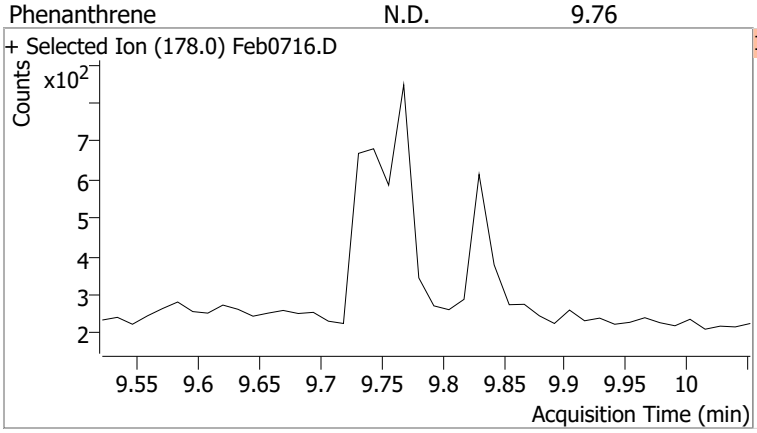


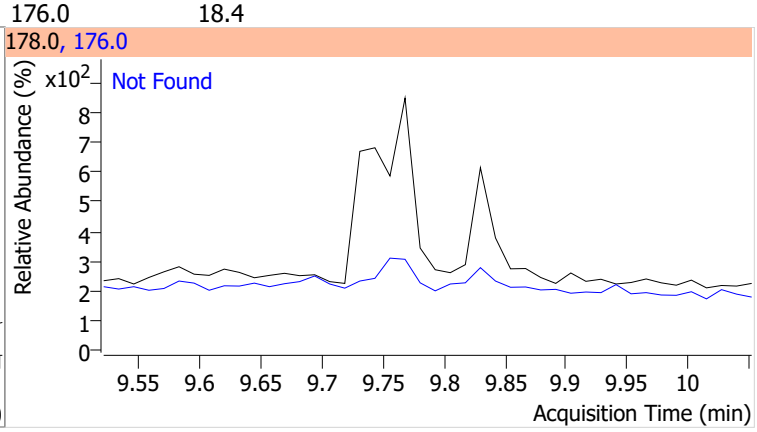
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



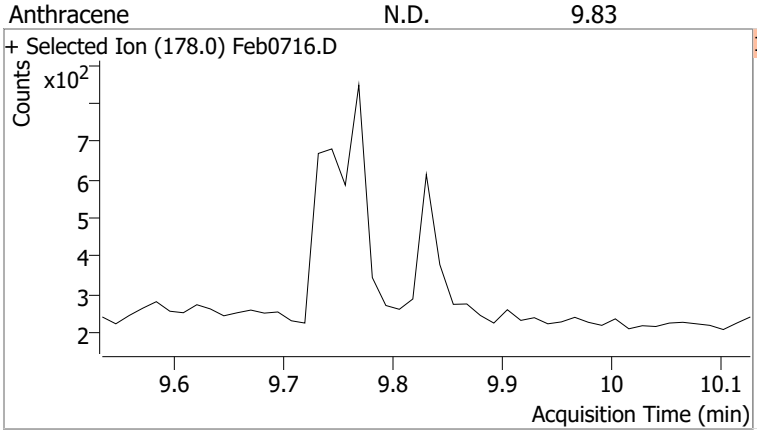


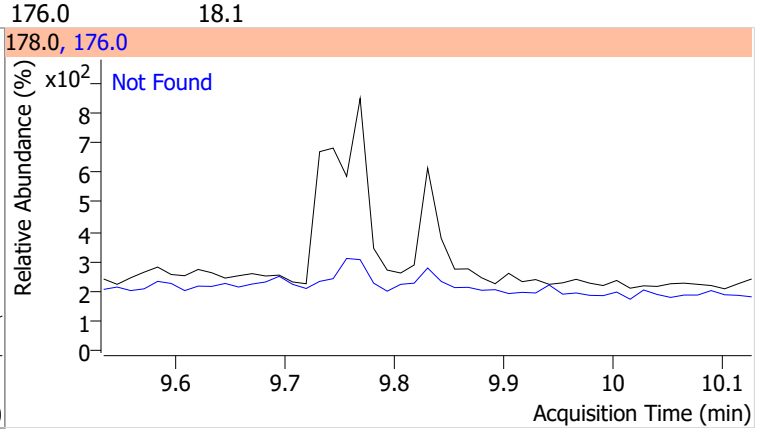
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.76	176.0	18.4



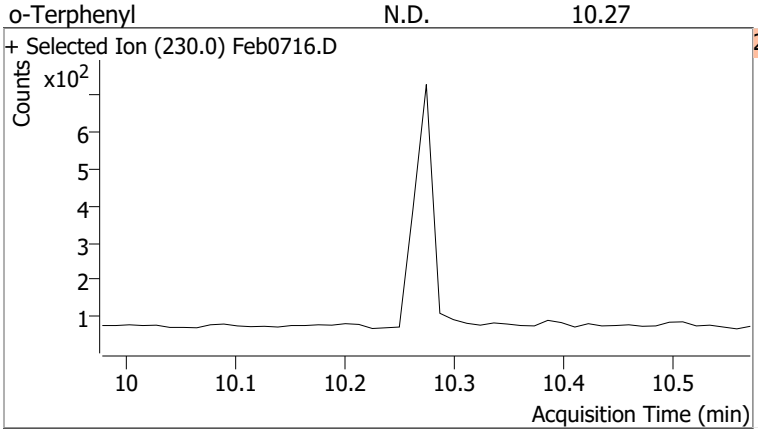


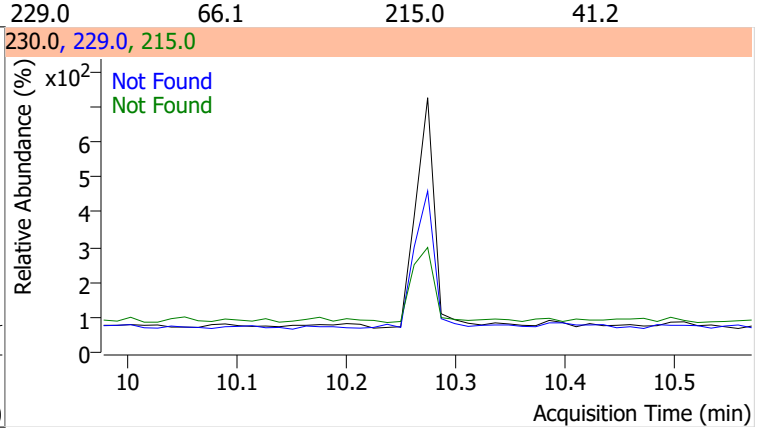
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.83	176.0	18.1



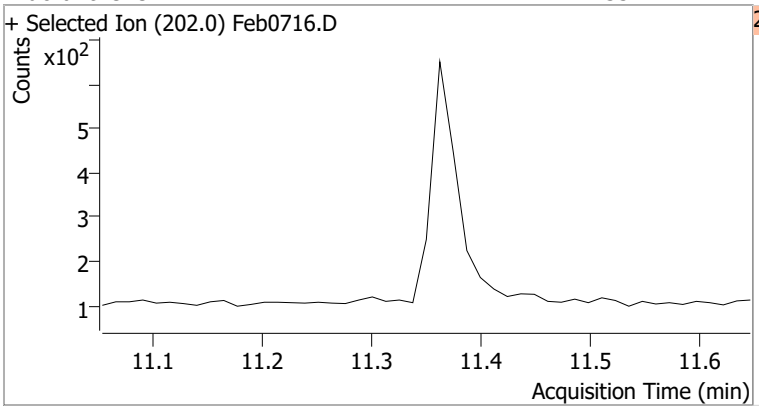


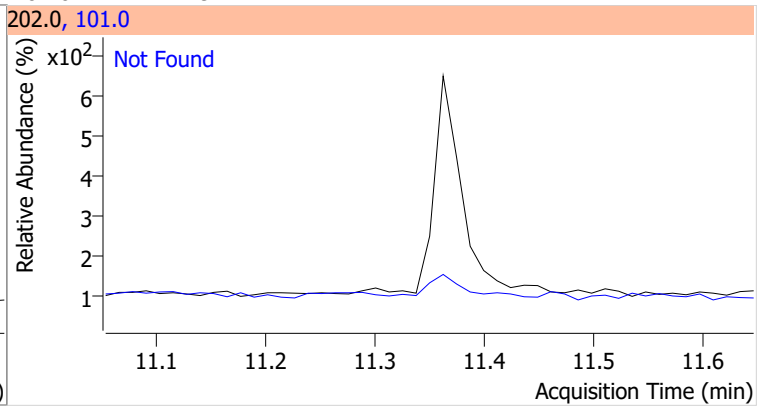
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.27	229.0	66.1	215.0	41.2



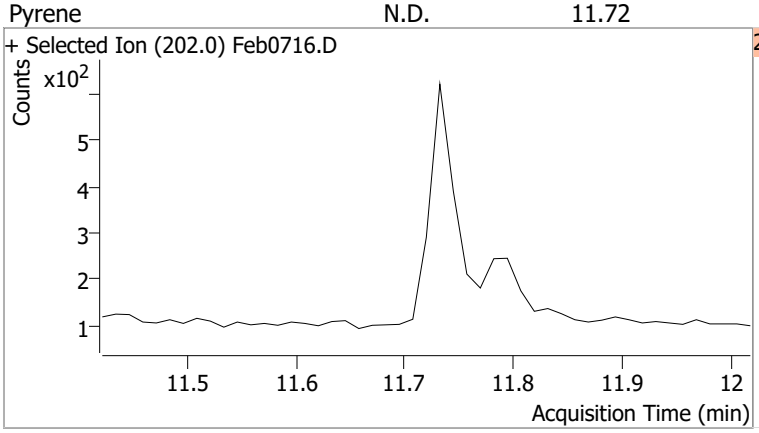


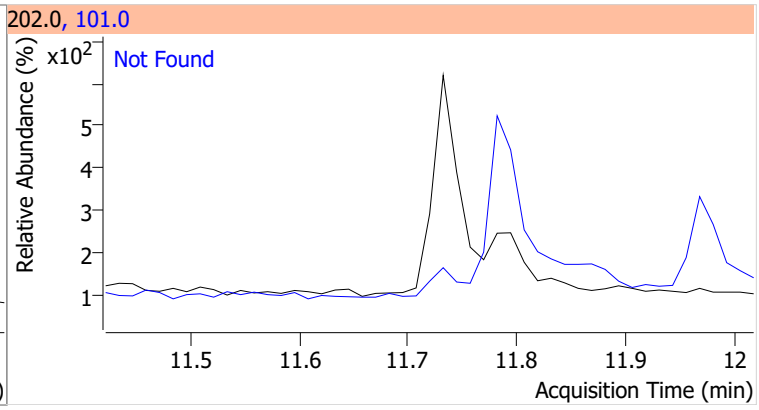
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.35	101.0	9.4



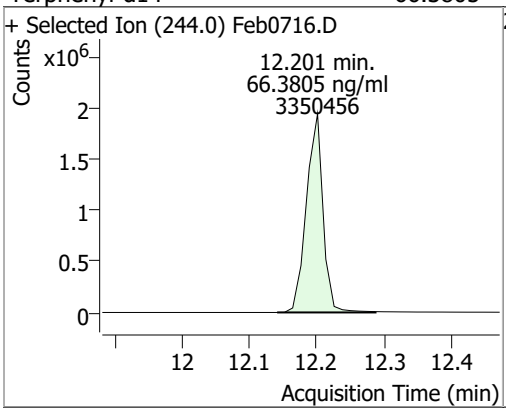


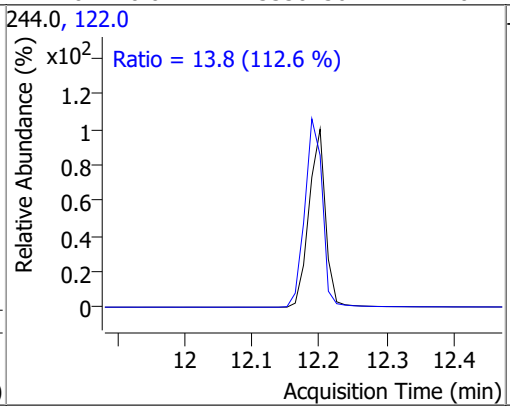
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.72	101.0	11.7

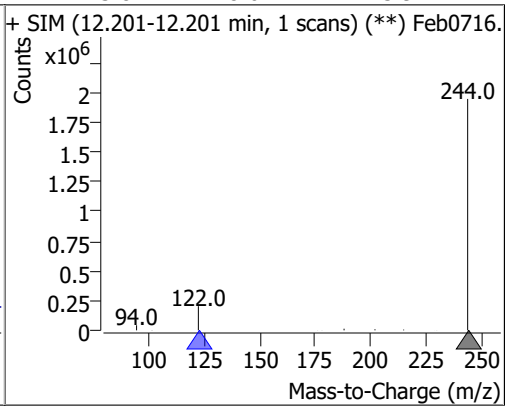




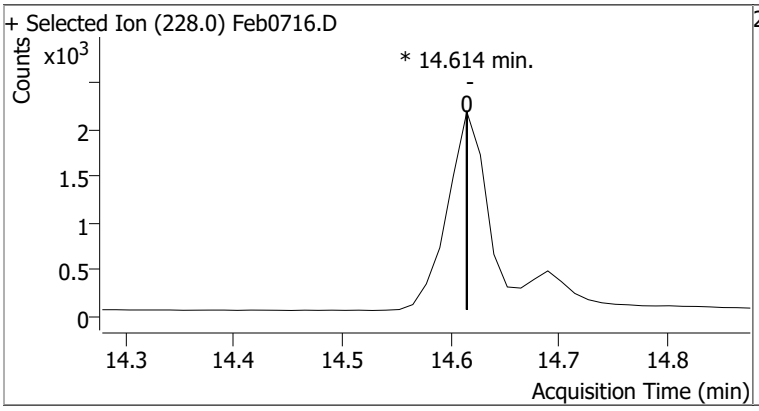
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	66.3805	12.20	0.02	3350456	122.0	13.8	8.6	15.9

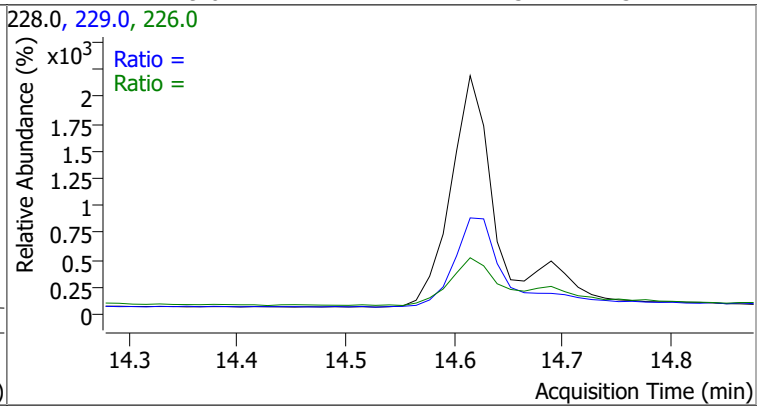




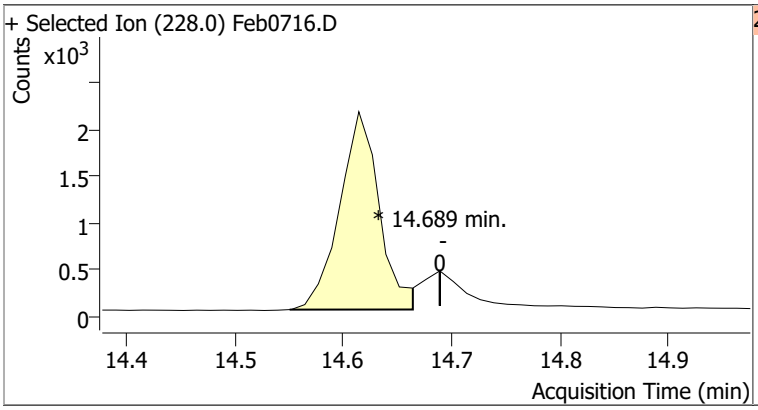


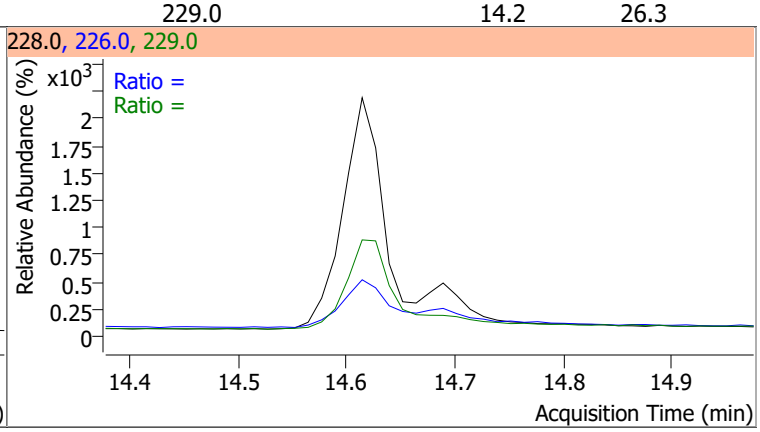
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



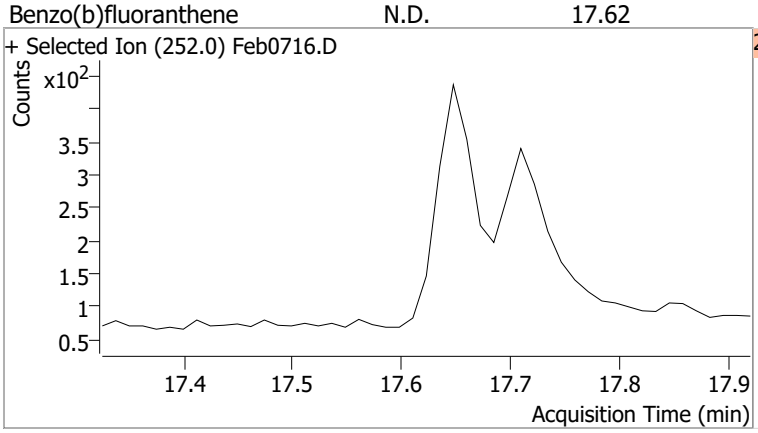


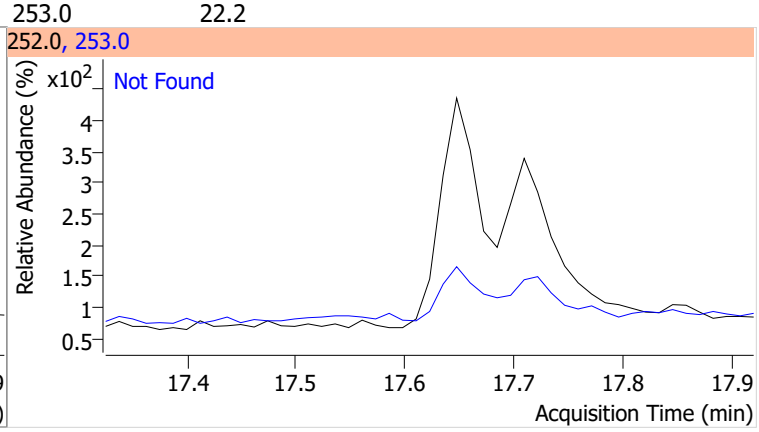
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



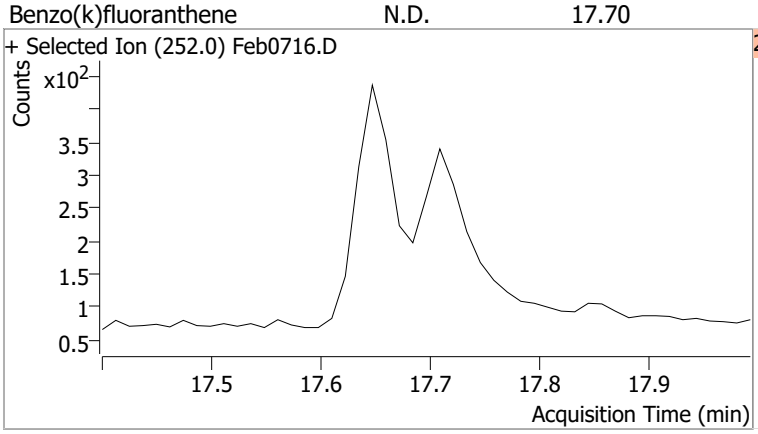


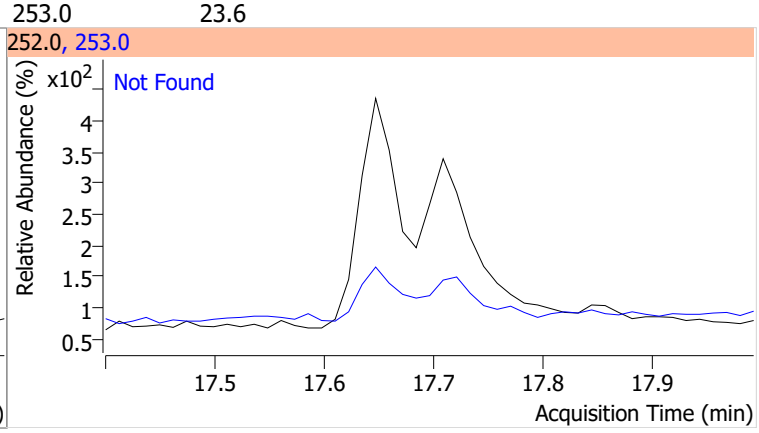
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.62	253.0	22.2



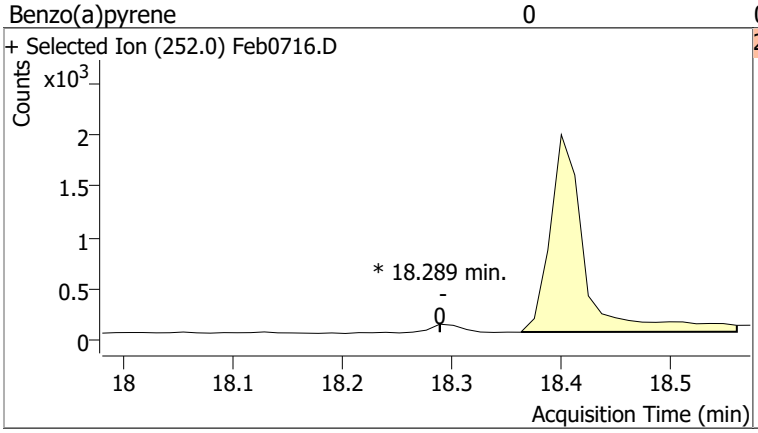


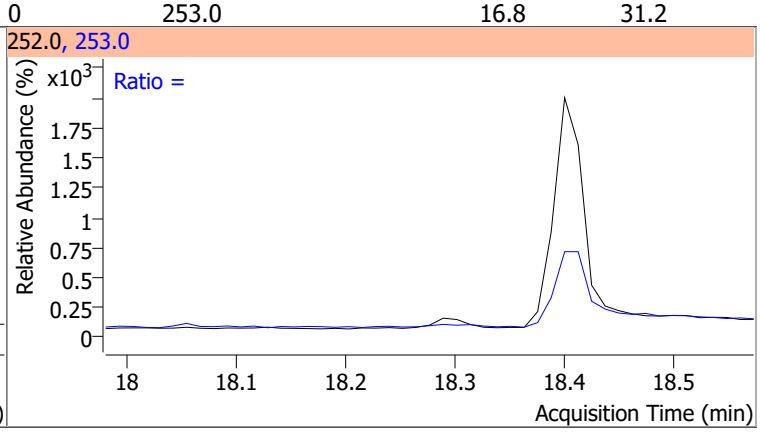
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.70	253.0	23.6



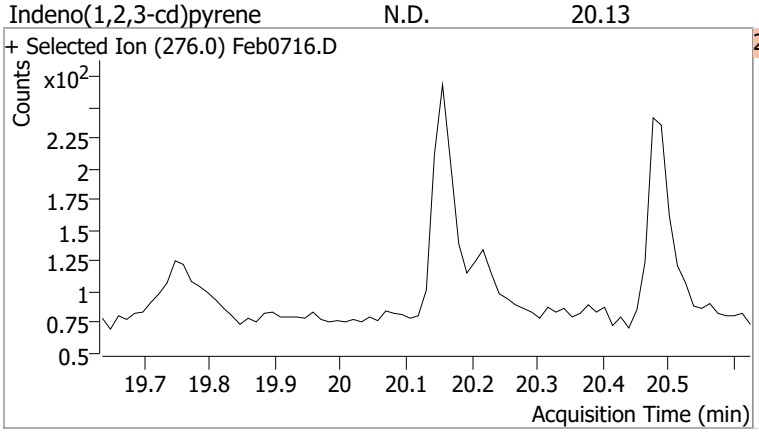


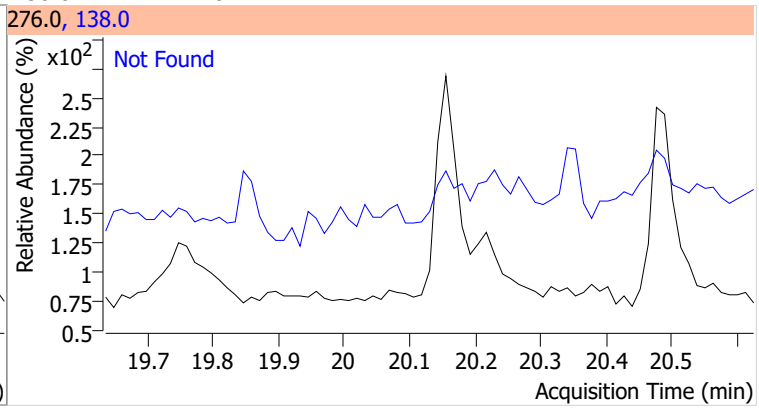
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



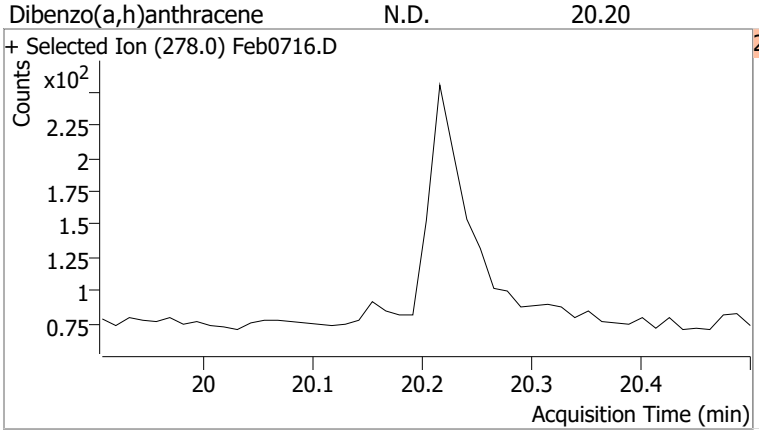


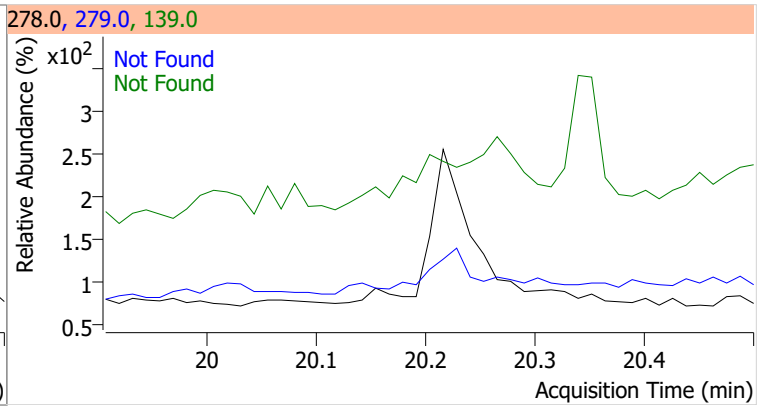
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.13	138.0	20.2



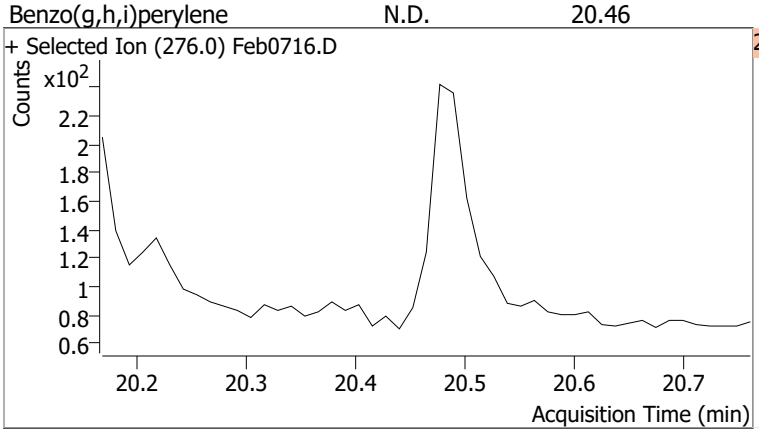


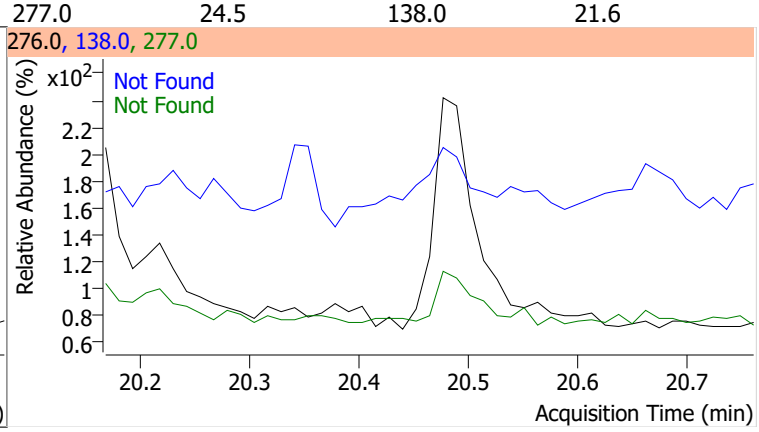
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.20	279.0	24.9	139.0	16.2





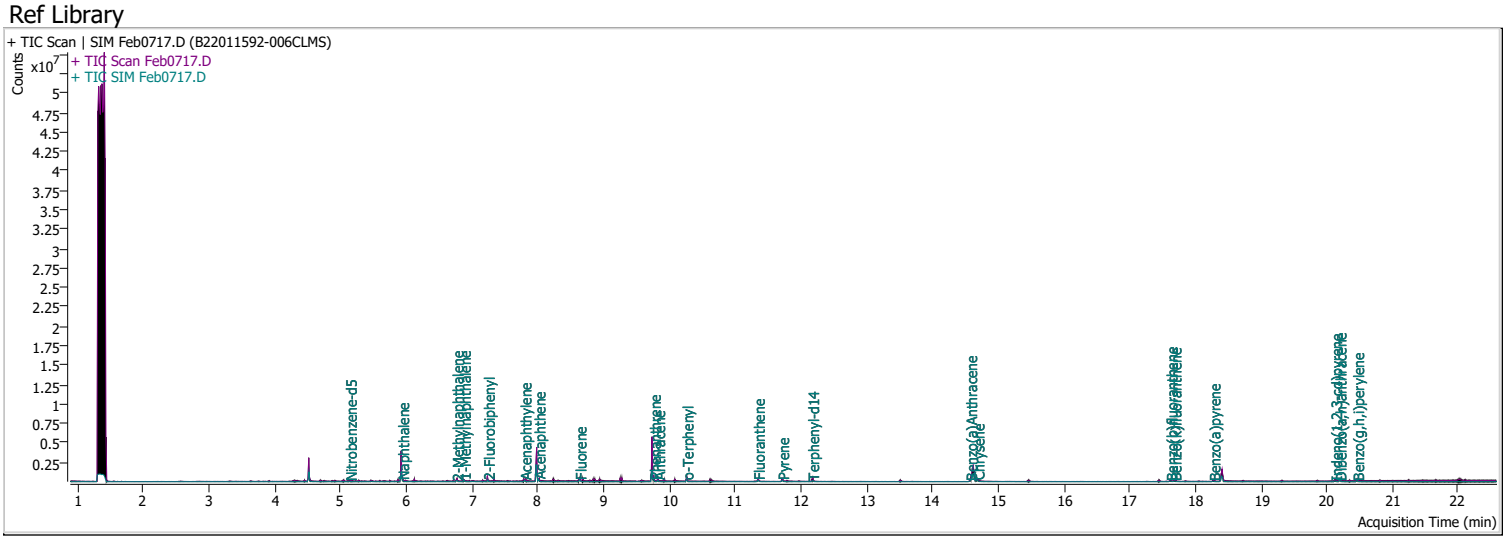
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.46	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb0717.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/7/2022 11:49:51 PM
Sample Name	B22011592-006CLMS	Instrument	GCMS
Vial	17	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

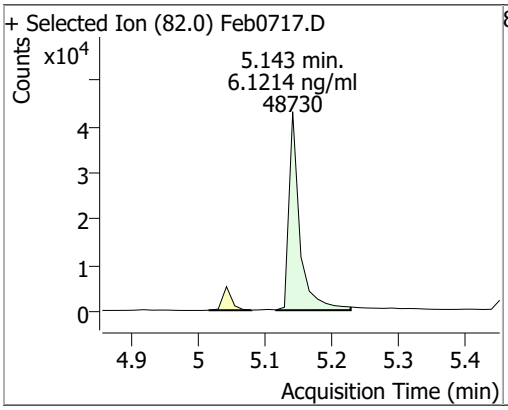


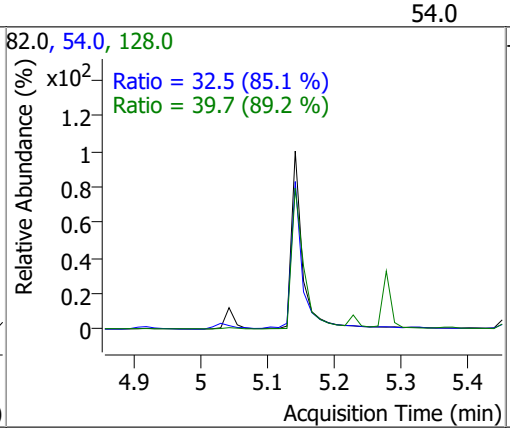
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	399335	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1499527	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.975	164.0	956684	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	1845948	40.0000	ng/ml		0.012
M Chrysene-d12	14.627	240.0	1557853	40.0000	ng/ml		0.012
M Perylene-d12	18.400	264.0	923073	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	48730	6.1214	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 122.43%		*	
S 2-Fluorobiphenyl	7.239	172.0	167960	5.6631	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 113.26%		*	
S o-Terphenyl	10.262	230.0	119352	4.1930	ng/ml		-0.013
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 83.86%			
S Terphenyl-d14	12.176	244.0	210332	6.2853	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 125.71%		*	
Target Compounds							**QValue**
T Naphthalene	5.941	128.0	137046	3.3869	ng/ml		95
T 2-Methylnaphthalene	6.765	141.0	78885	3.2025	ng/ml		91
T 1-Methylnaphthalene	6.877	141.0	83118	3.2690	ng/ml		97
T Acenaphthylene	7.801	152.0	148959	4.0617	ng/ml		91
T Acenaphthene	8.013	154.0	115295	4.4482	ng/ml		97
T Fluorene	8.636	166.0	140602	4.4837	ng/ml		86
T Phenanthrene	9.768	178.0	215734	4.3977	ng/ml		88
T Anthracene	9.830	178.0	180328	4.4807	ng/ml		96
T Fluoranthene	11.349	202.0	225597	4.8123	ng/ml		98
T Pyrene	11.719	202.0	239020	4.5671	ng/ml		98
T Benzo(a)Anthracene	14.577	228.0	170025	4.6804	ng/ml		98
T Chrysene	14.689	228.0	223144	4.4563	ng/ml		99
T Benzo(b)fluoranthene	17.622	252.0	157915	4.7835	ng/ml		98

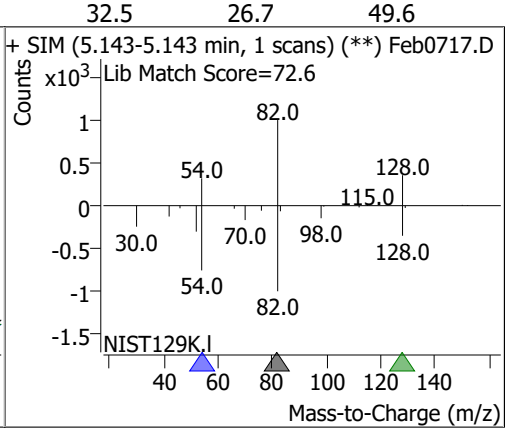
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.684	252.0	161566	4.4431	ng/ml	98
T Benzo(a)pyrene	18.277	252.0	113928	4.0413	ng/ml	99
T Indeno(1,2,3-cd)pyrene	20.130	276.0	113180	4.4424	ng/ml	99
T Dibenzo(a,h)anthracene	20.192	278.0	142381	4.8747	ng/ml	100
T Benzo(g,h,i)perylene	20.464	276.0	160896	4.6507	ng/ml	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

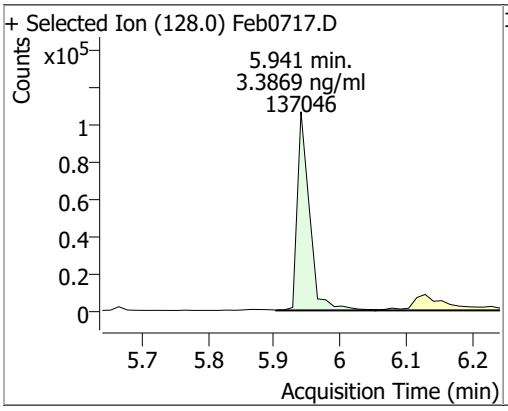
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	6.1214	5.14	-0.01	48730	128.0	39.7	31.2	57.9
					54.0	32.5	26.7	49.6

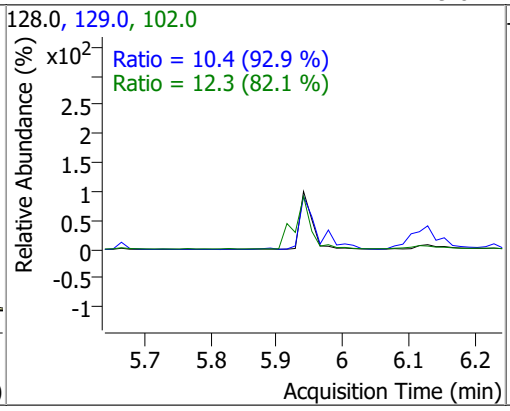


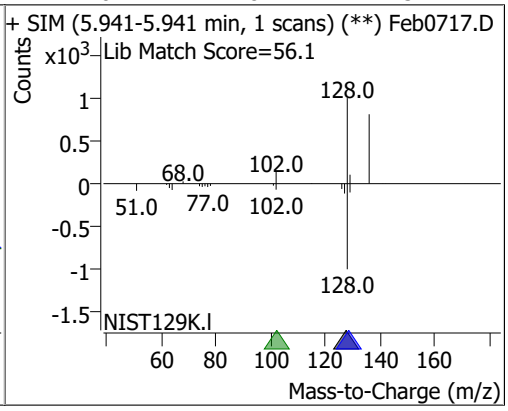




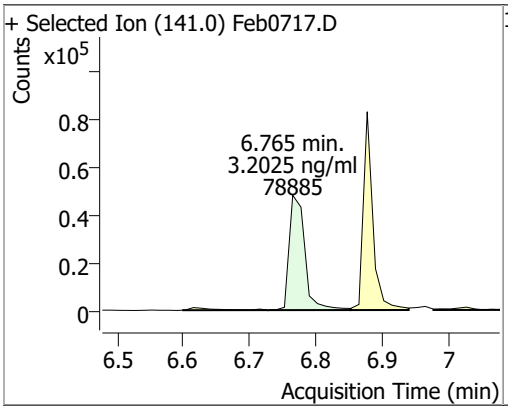
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	3.3869	5.94	0.00	137046	102.0	12.3	0.0	45.0
					129.0	10.4	7.8	14.5

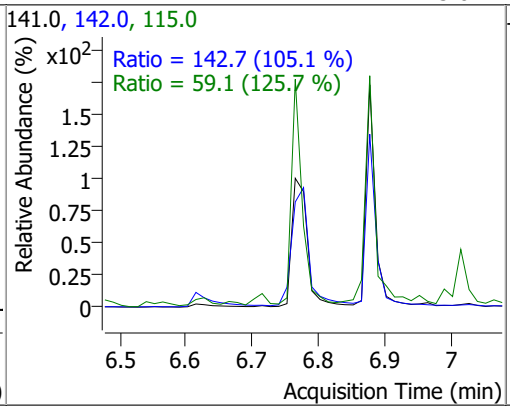


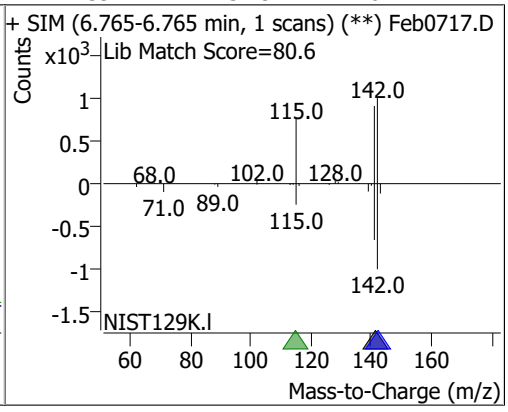




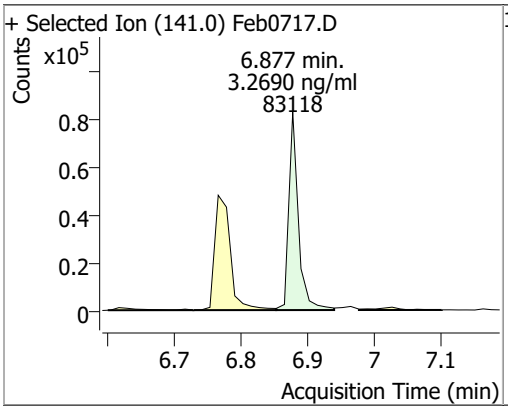
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	3.2025	6.76	-0.01	78885	142.0	142.7	95.0	176.4
					115.0	59.1	32.9	61.2

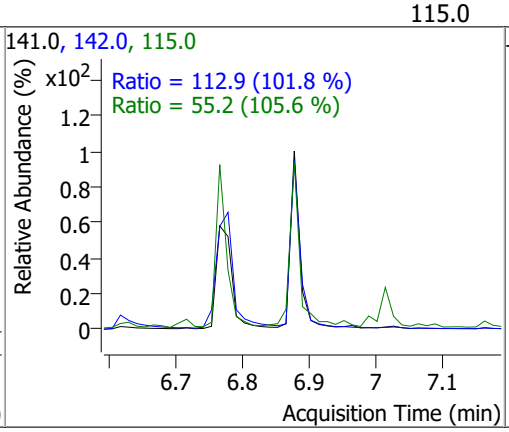


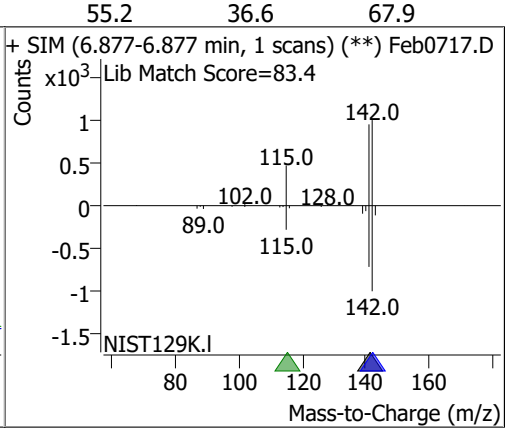




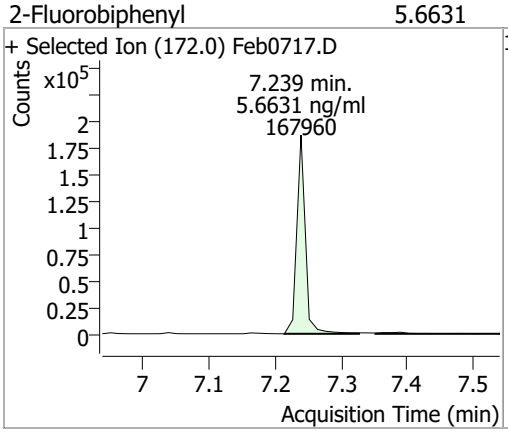
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	3.2690	6.88	-0.01	83118	142.0	112.9	77.7	144.2
					115.0	55.2	36.6	67.9

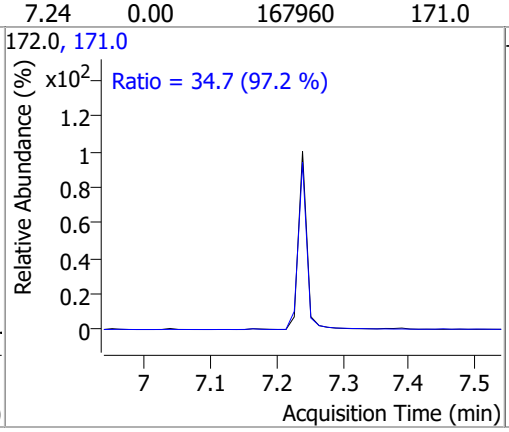


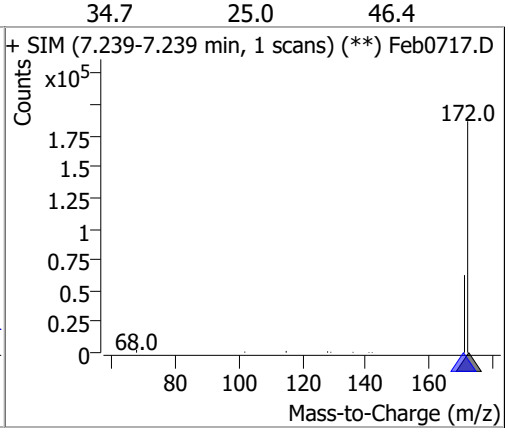




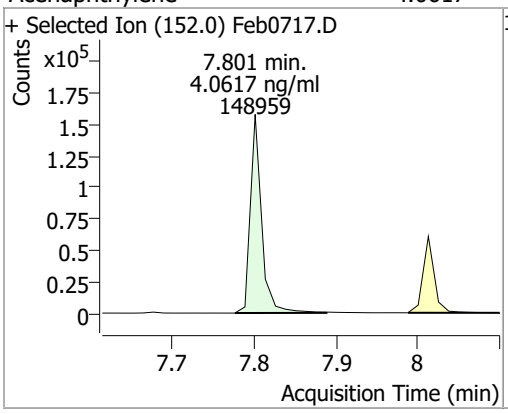
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	5.6631	7.24	0.00	167960	171.0	34.7	25.0	46.4

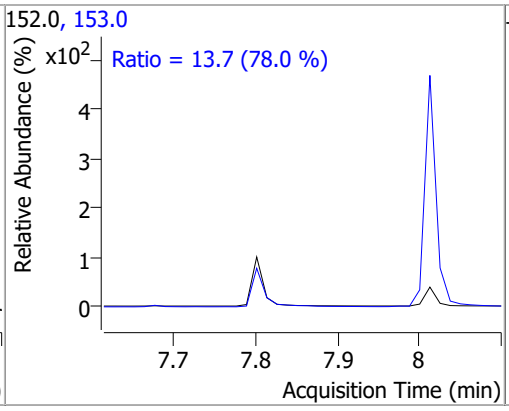


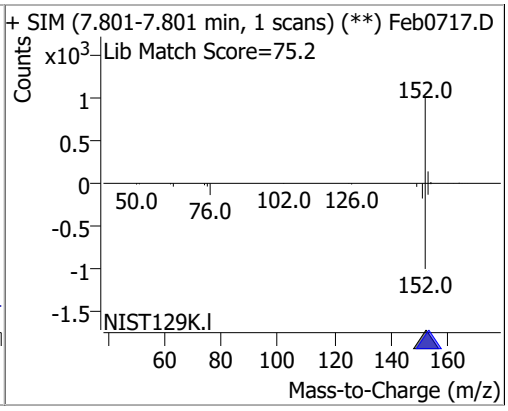




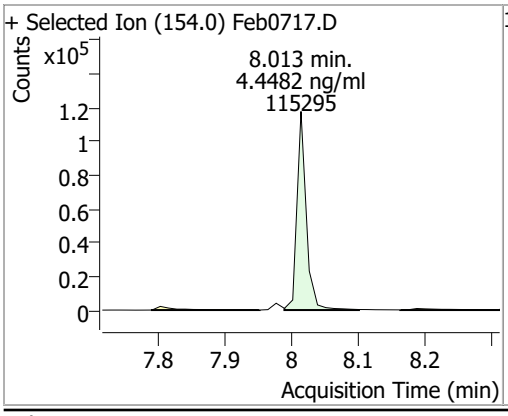
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	4.0617	7.80	0.00	148959	153.0	13.7	12.3	22.9

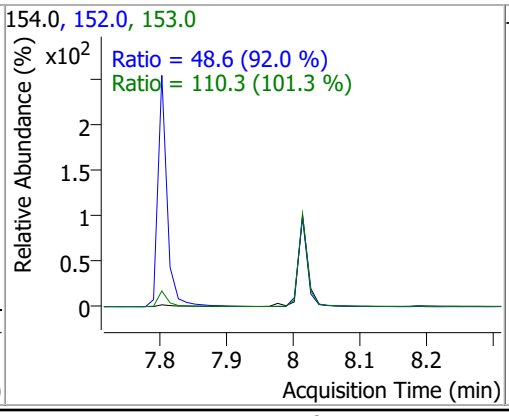


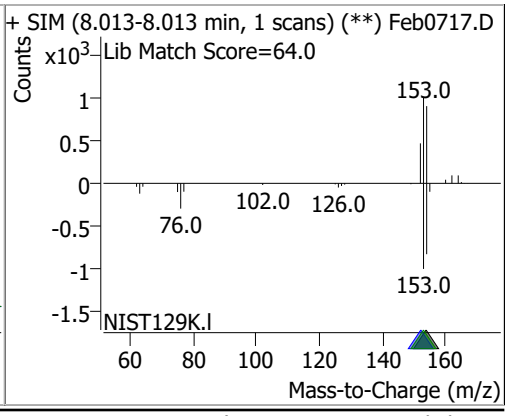




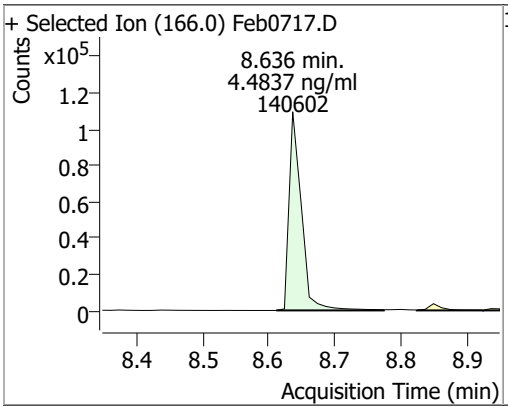
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	4.4482	8.01	0.00	115295	153.0	110.3	76.2	141.5
					152.0	48.6	37.0	68.7

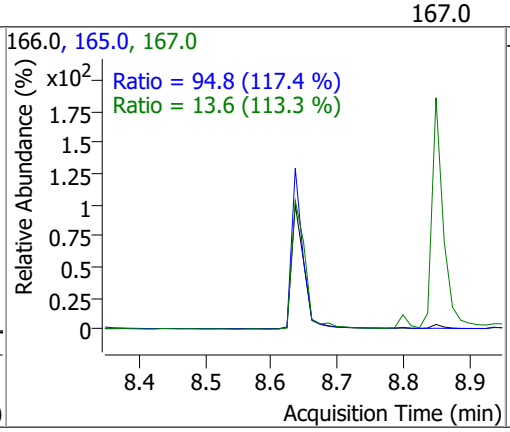


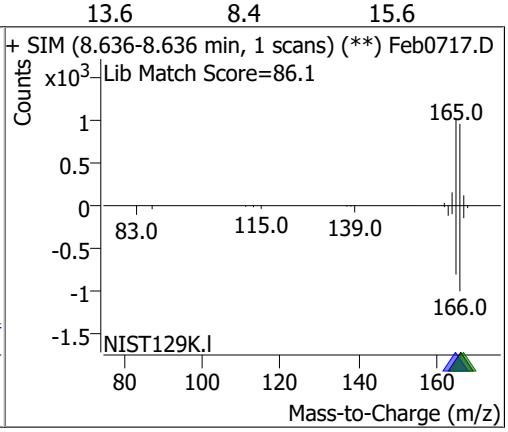




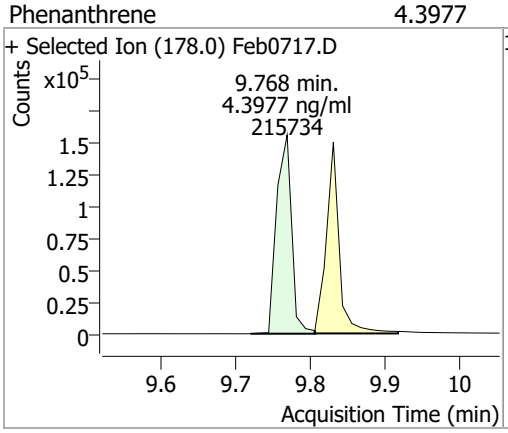
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	4.4837	8.64	-0.01	140602	165.0	94.8	56.5	104.9
					167.0	13.6	8.4	15.6

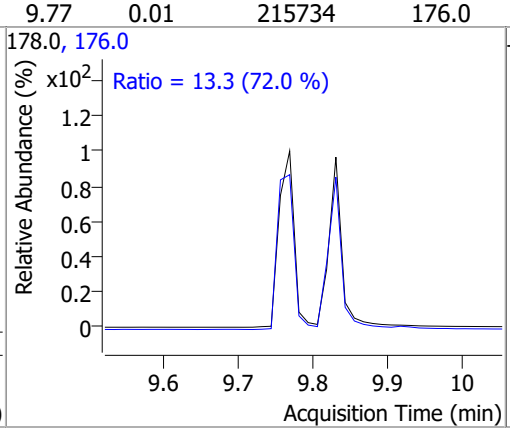


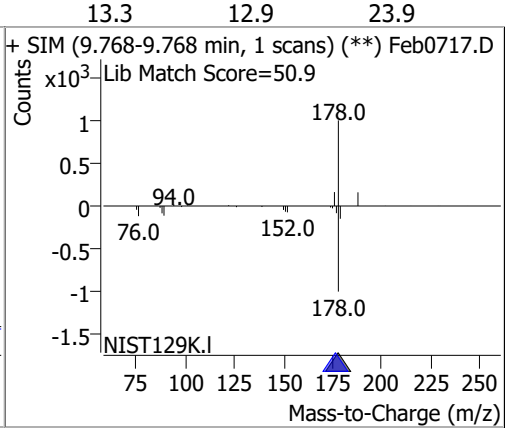




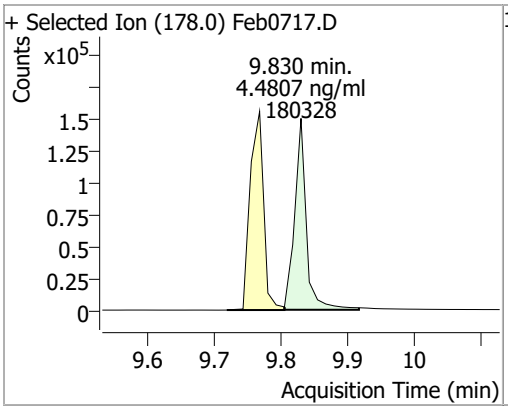
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	4.3977	9.77	0.01	215734	176.0	13.3	12.9	23.9

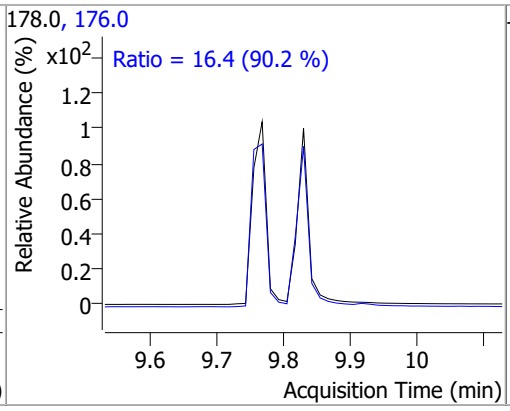


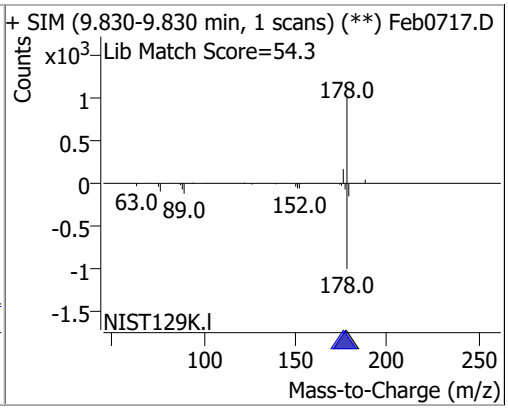




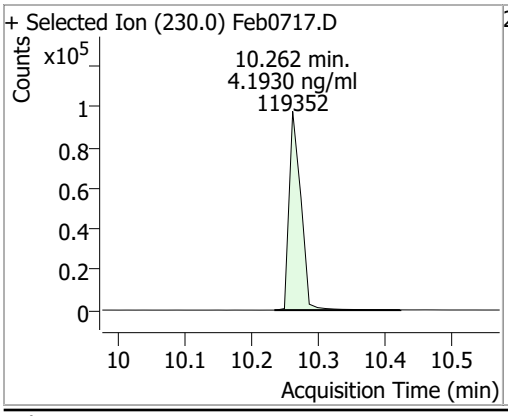
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	4.4807	9.83	0.00	180328	176.0	16.4	12.7	23.6

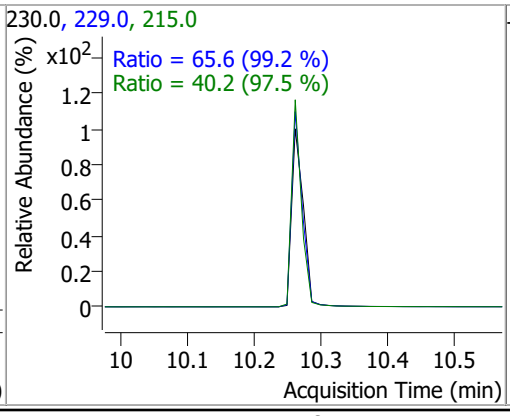


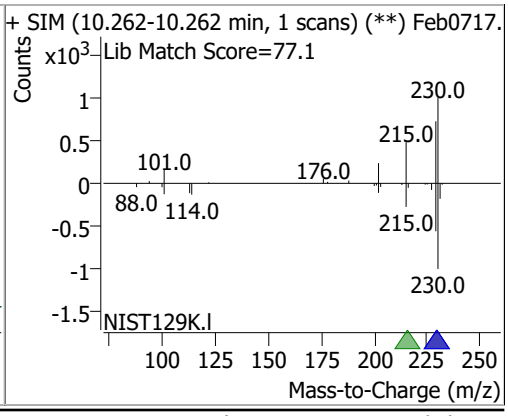




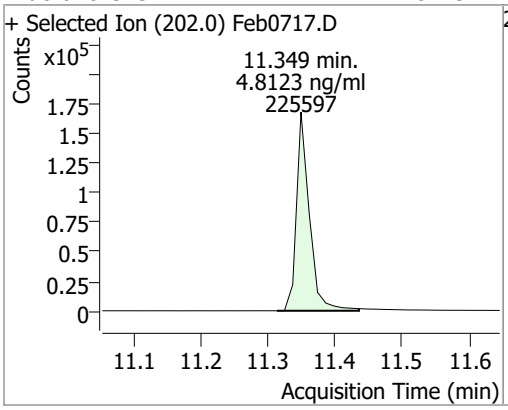
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.1930	10.26	-0.01	119352	229.0	65.6	46.3	85.9
					215.0	40.2	28.9	53.6

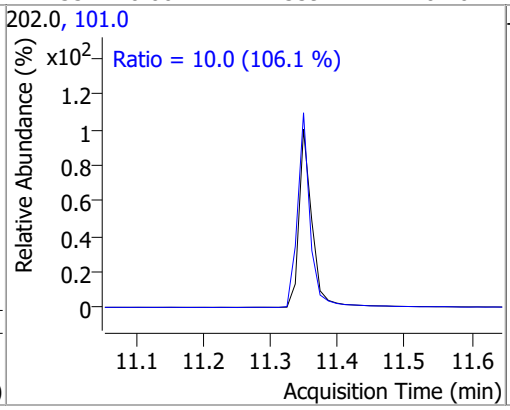


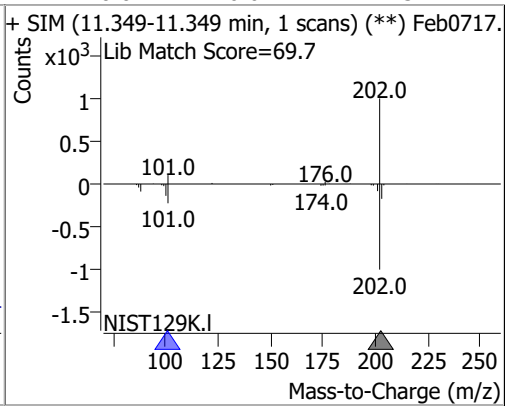




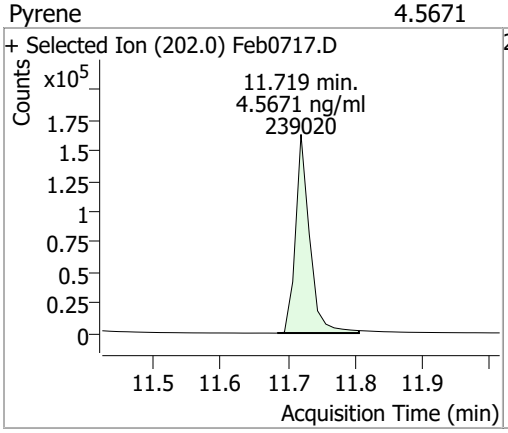
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	4.8123	11.35	0.00	225597	101.0	10.0	6.6	12.3

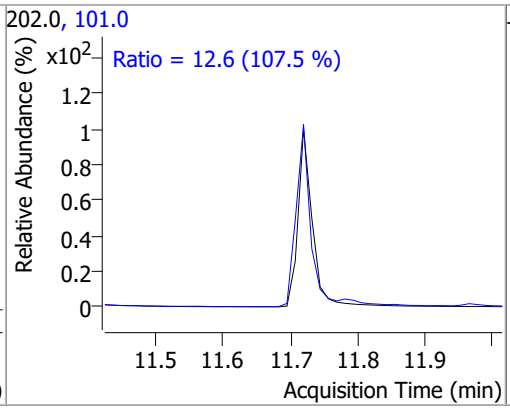


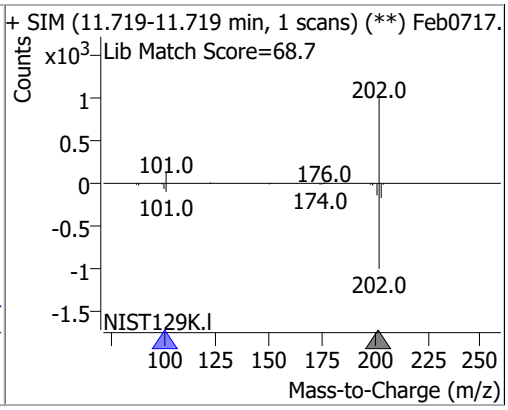




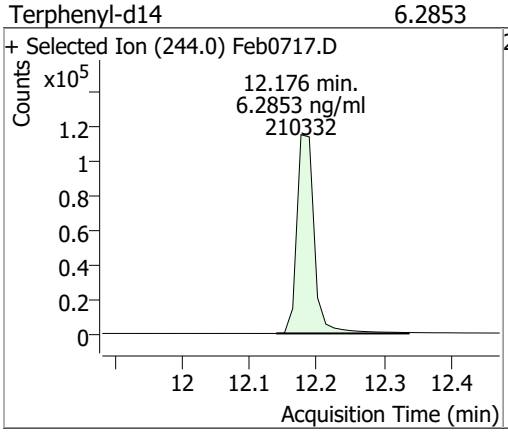
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	4.5671	11.72	0.00	239020	101.0	12.6	8.2	15.2

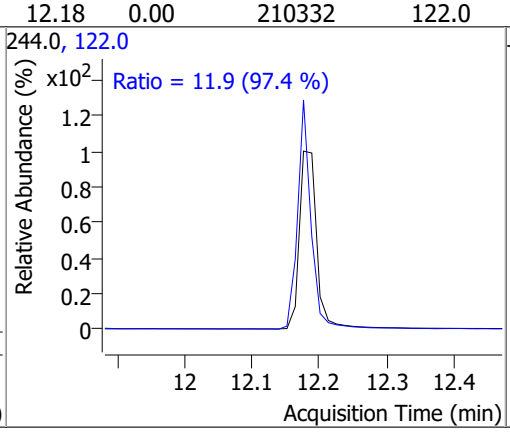


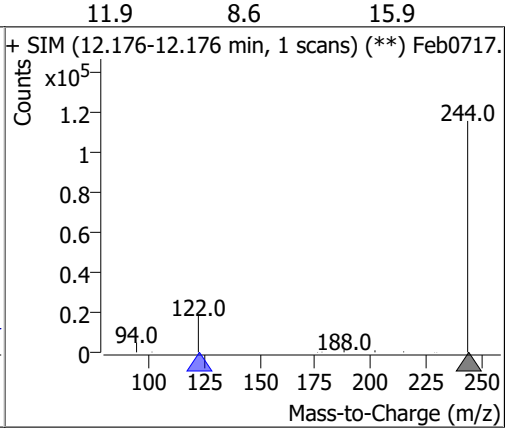




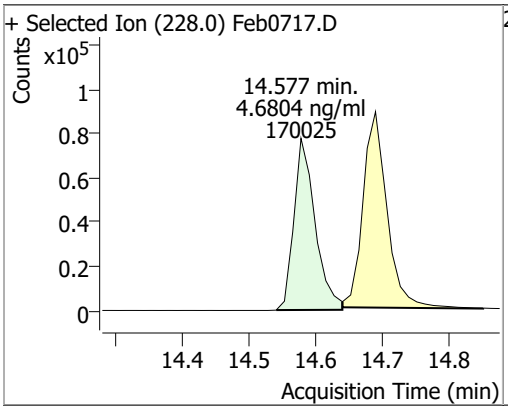
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	6.2853	12.18	0.00	210332	122.0	11.9	8.6	15.9

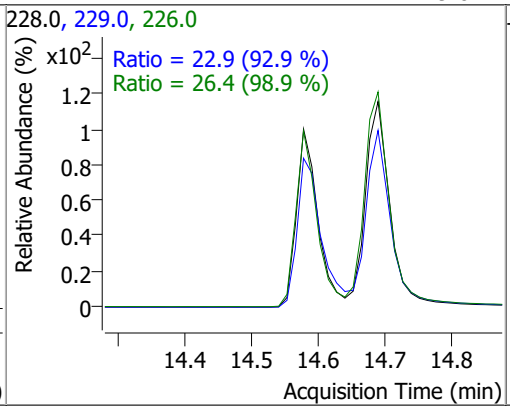


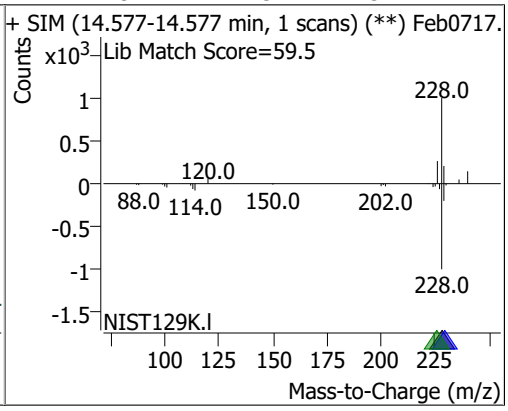




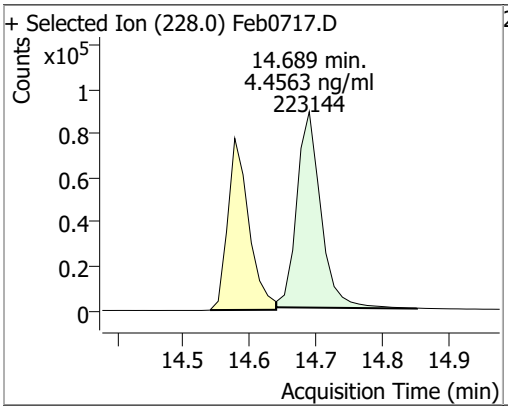
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	4.6804	14.58	0.00	170025	226.0	26.4	18.7	34.8
					229.0	22.9	17.3	32.1

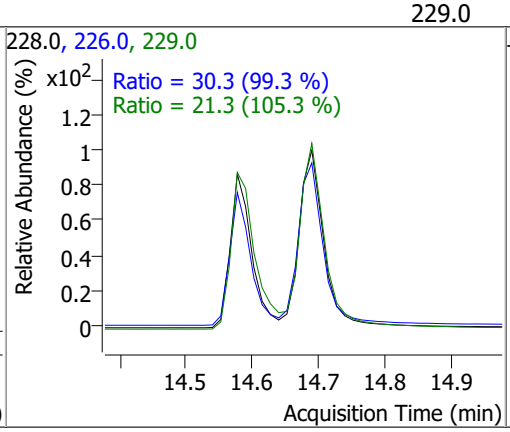


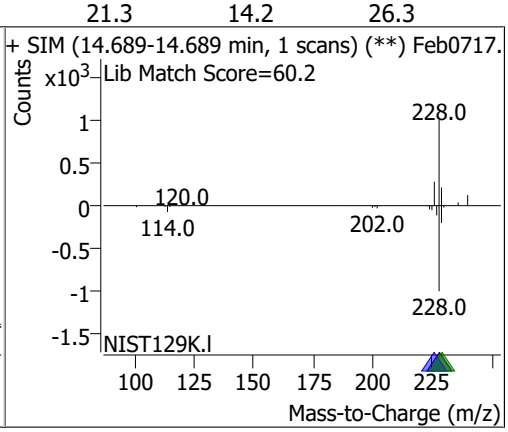




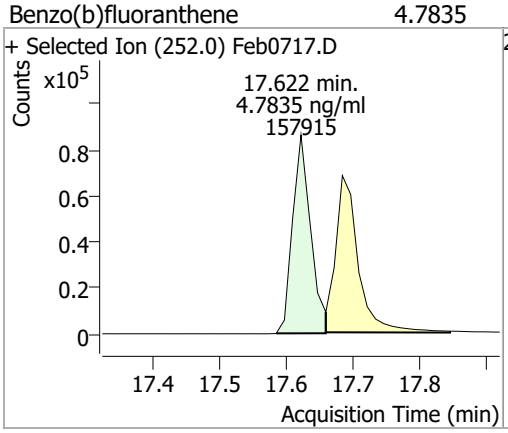
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	4.4563	14.69	0.01	223144	226.0	30.3	21.4	39.7
					229.0	21.3	14.2	26.3

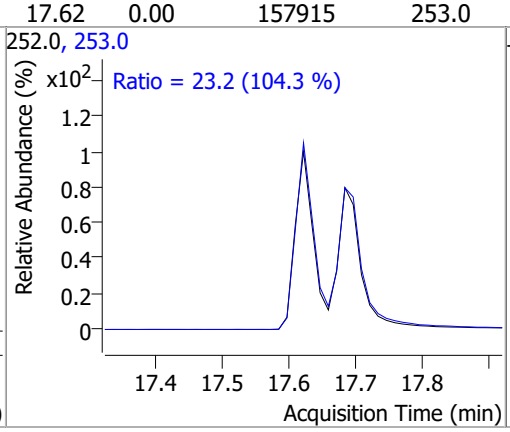


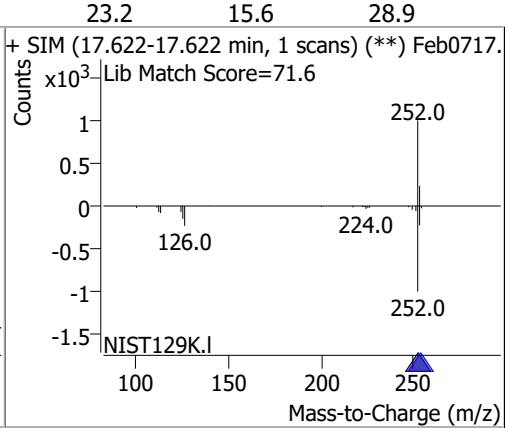




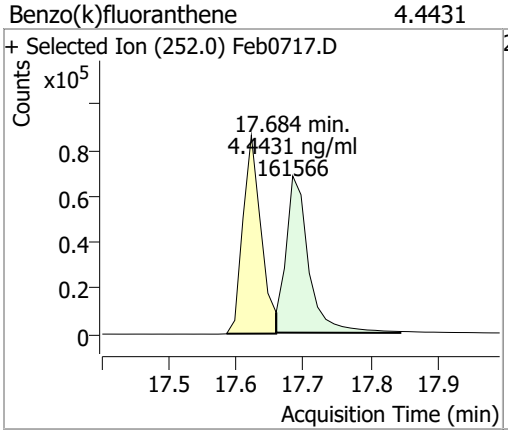
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	4.7835	17.62	0.00	157915	253.0	23.2	15.6	28.9

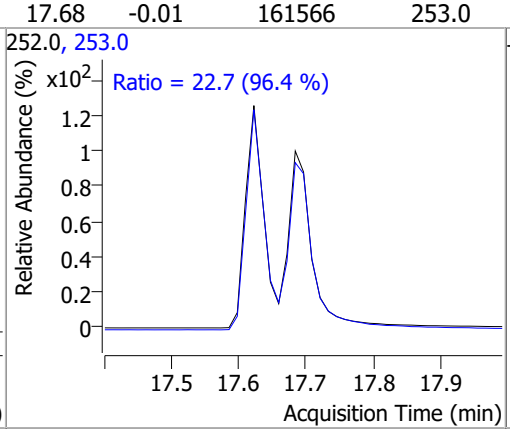


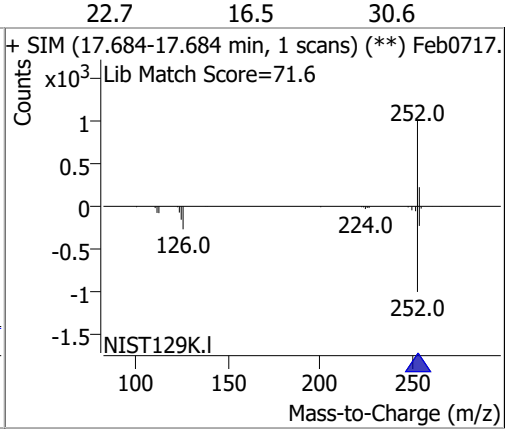




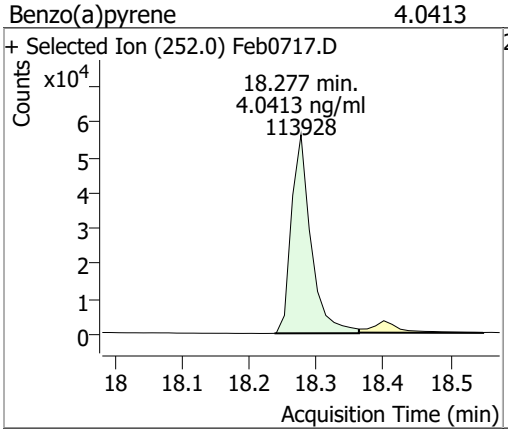
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	4.4431	17.68	-0.01	161566	253.0	22.7	16.5	30.6

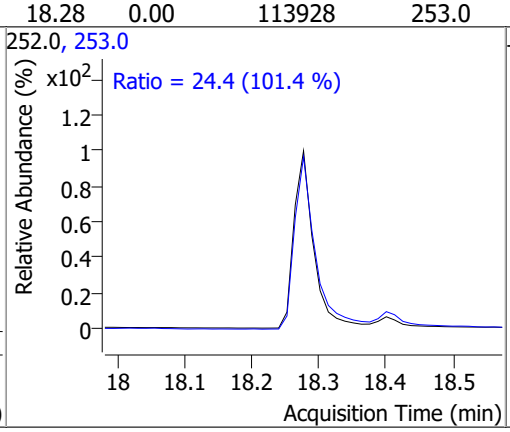


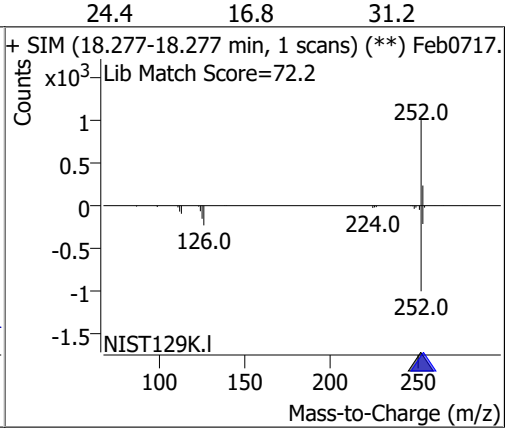




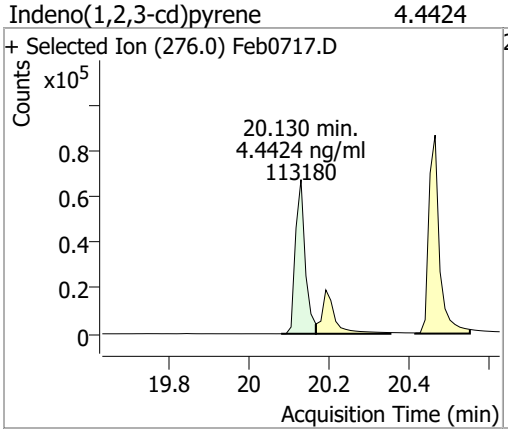
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	4.0413	18.28	0.00	113928	253.0	24.4	16.8	31.2

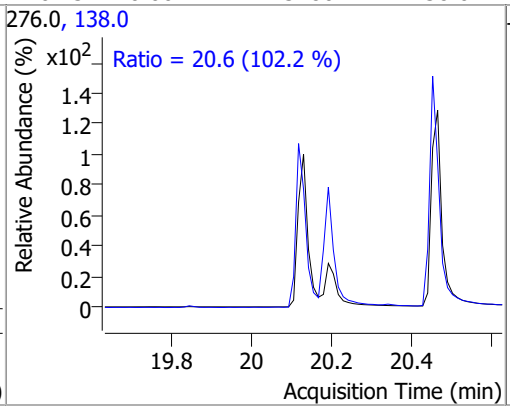


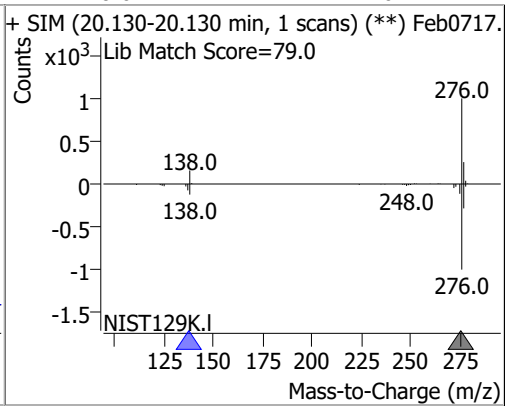




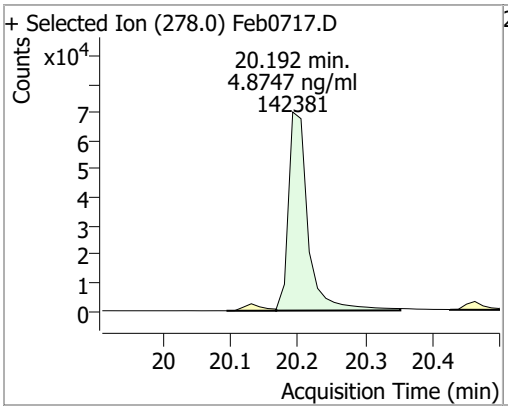
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	4.4424	20.13	0.00	113180	138.0	20.6	14.1	26.2

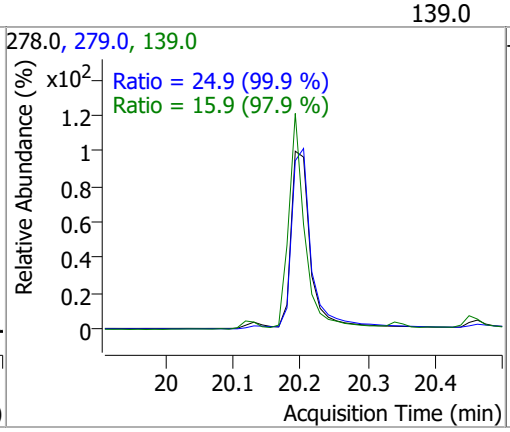


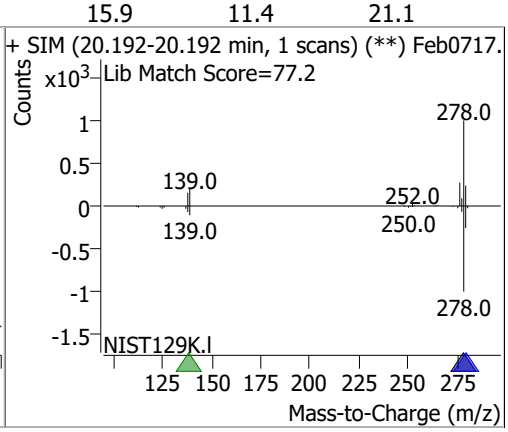




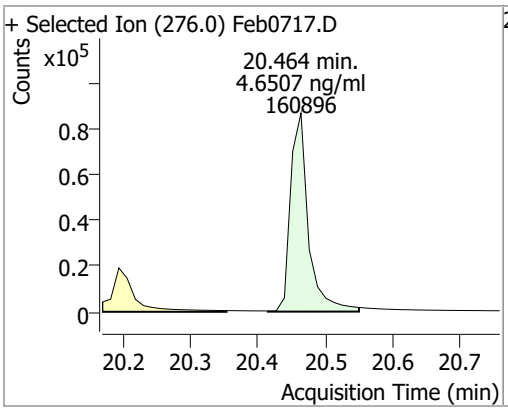
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	4.8747	20.19	-0.01	142381	279.0	24.9	17.4	32.4
					139.0	15.9	11.4	21.1

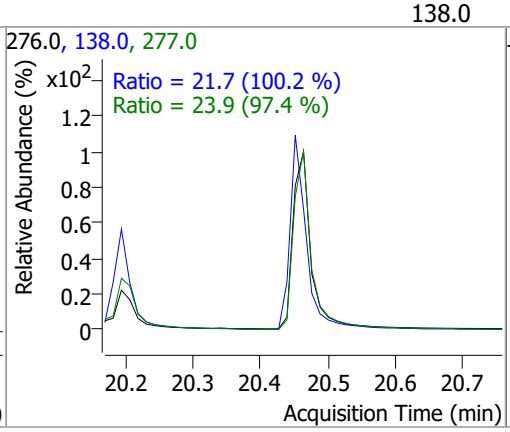


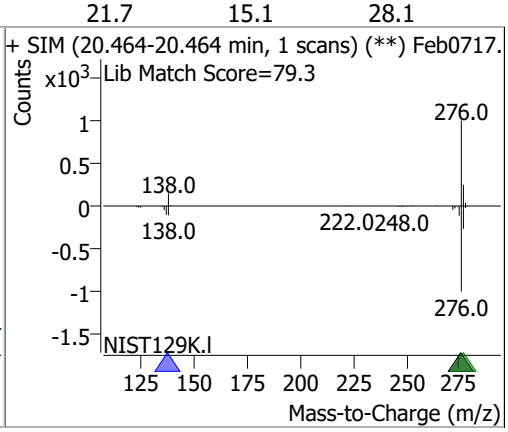




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	4.6507	20.46	0.00	160896	277.0	23.9	17.2	31.9
					138.0	21.7	15.1	28.1

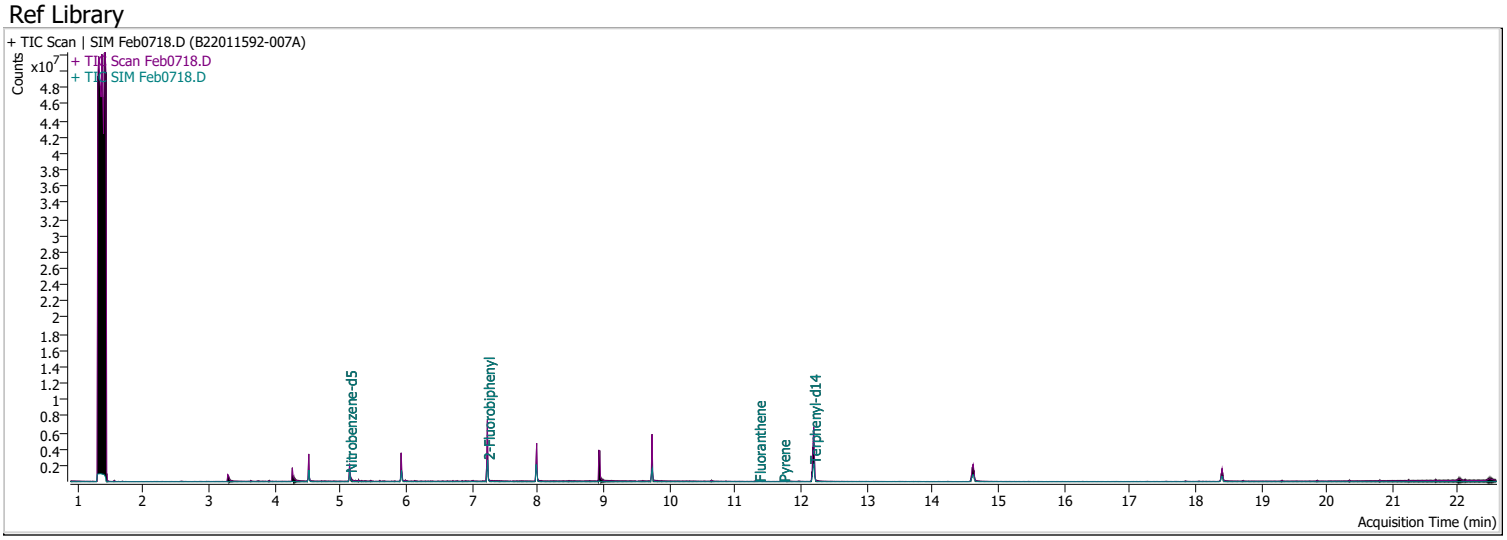






Quantitation Results Report (QT Reviewed)

Data File	Feb0718.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/8/2022 12:22:20 AM
Sample Name	B22011592-007A	Instrument	GCMS
Vial	18	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

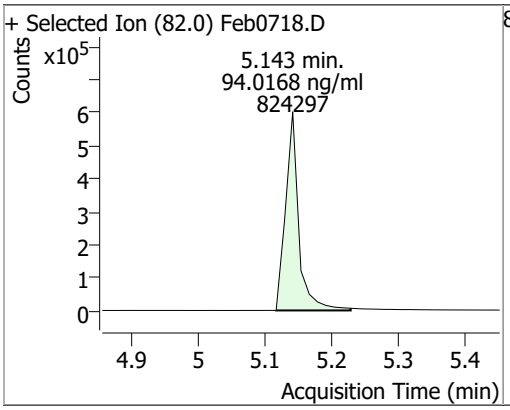


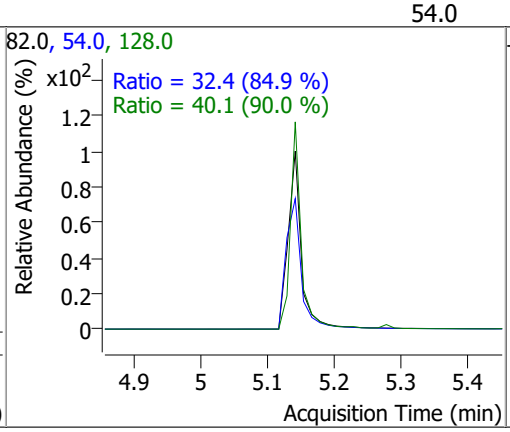
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	439811	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1540025	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.975	164.0	1024735	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	1931624	40.0000	ng/ml		0.012
M Chrysene-d12	14.627	240.0	1558693	40.0000	ng/ml		0.012
M Perylene-d12	18.400	264.0	907578	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	824297	94.0168	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1880.34%		*	
S 2-Fluorobiphenyl	7.239	172.0	2237576	79.9301	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1598.60%		*	
S o-Terphenyl	10.274	230.0	0		ng/ml	md	0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.201	244.0	3389776	65.6239	ng/ml		0.024
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1312.48%		*	
Target Compounds							**QValue**
T Naphthalene	5.978	128.0	0		ng/ml	md	1
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.013	154.0	0		ng/ml	md	1
T Fluorene	8.648	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	11.361	202.0	4660	0.0504	ng/ml		99
T Pyrene	11.732	202.0	4998	0.0304	ng/ml		95
T Benzo(a)Anthracene	14.614	228.0	0		ng/ml	md	1
T Chrysene	14.689	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

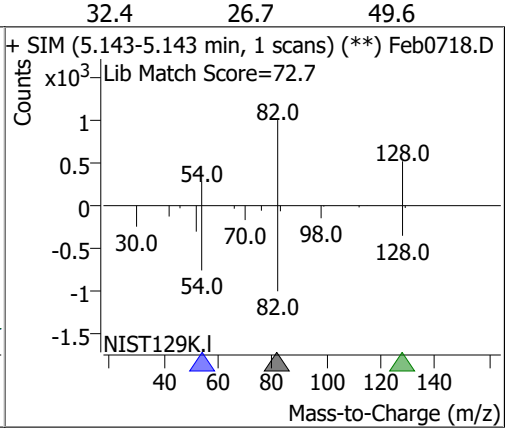
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.400	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

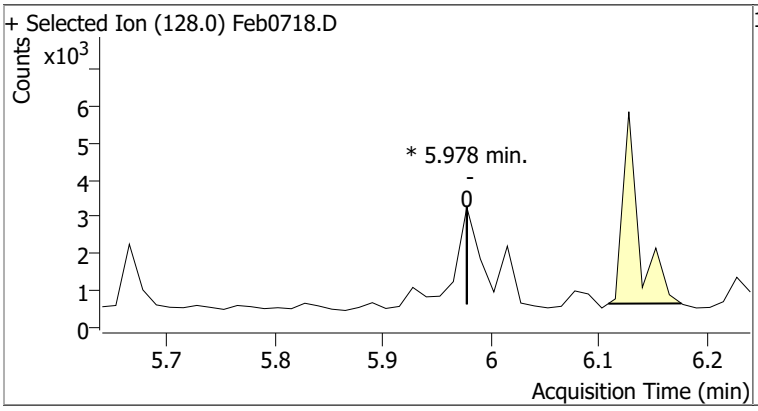
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	94.0168	5.14	-0.01	824297	128.0	40.1	31.2	57.9
					54.0	32.4	26.7	49.6

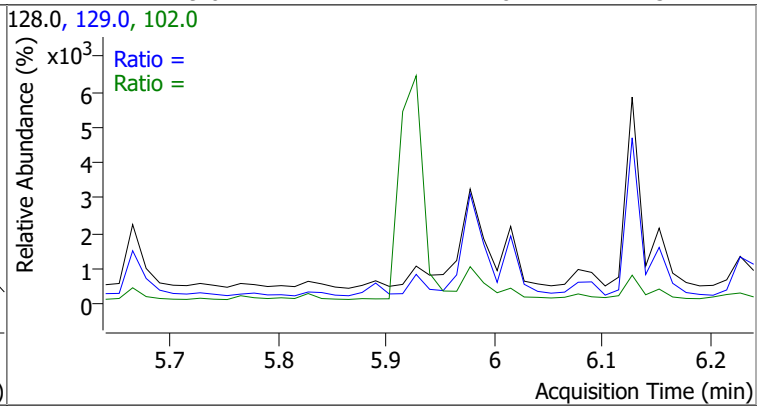




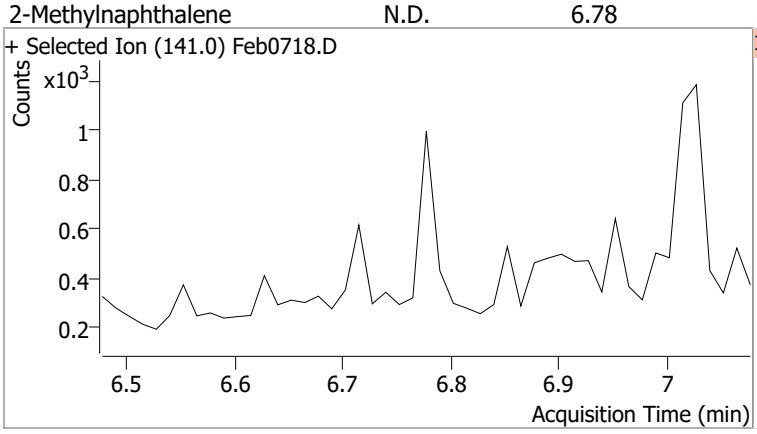


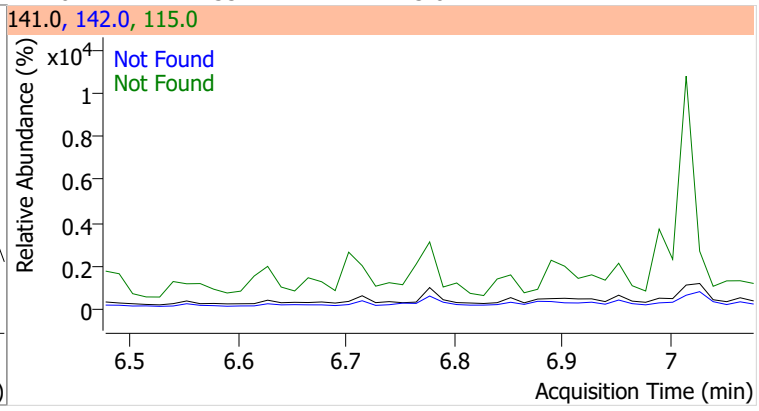
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene		0		0	102.0		0.0	45.0
					129.0		7.8	14.5



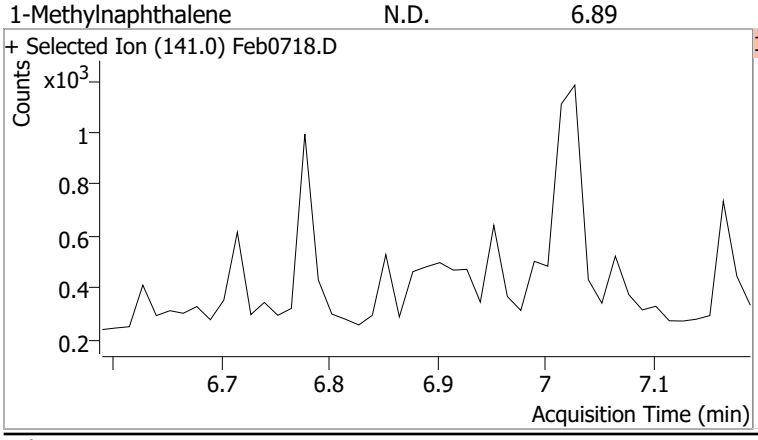


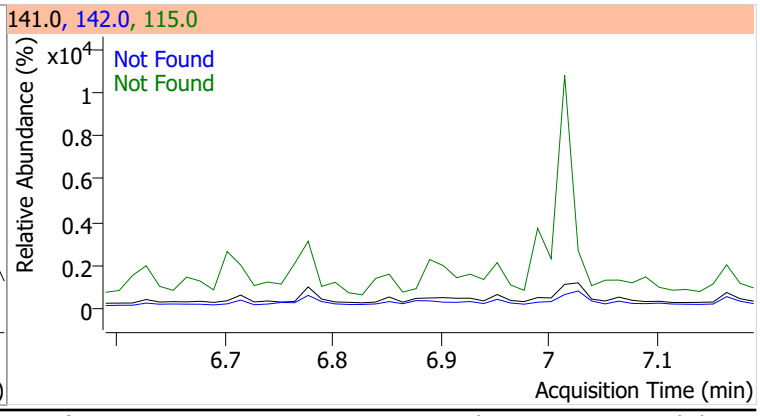
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.78	142.0	135.7	115.0	47.1



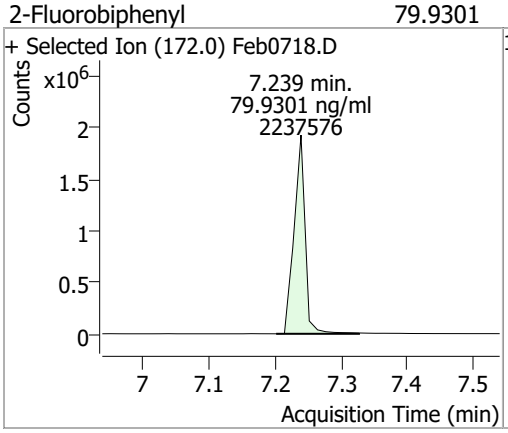


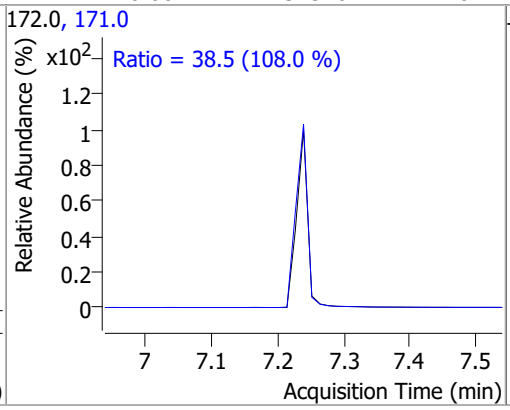
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.89	142.0	110.9	115.0	52.2

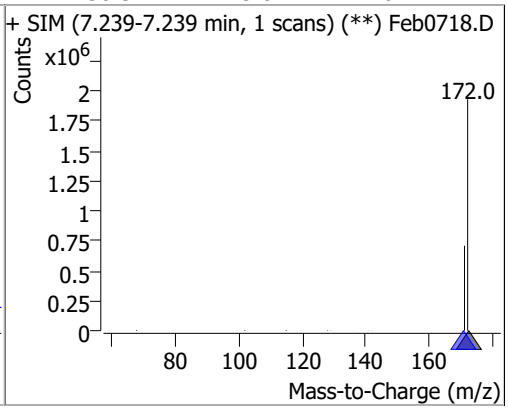




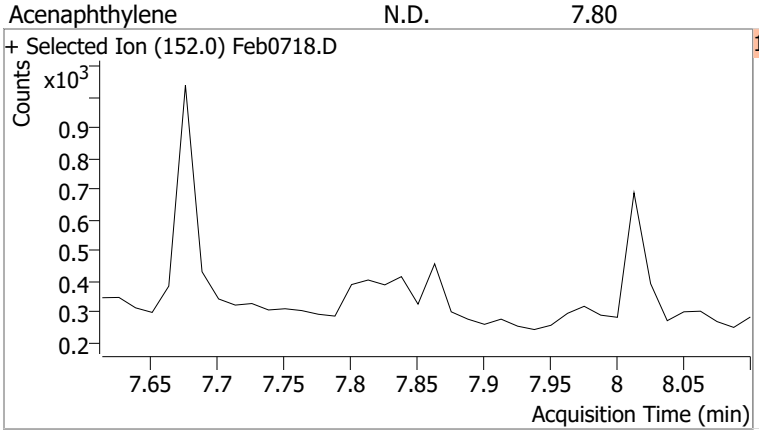
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	79.9301	7.24	0.00	2237576	171.0	38.5	25.0	46.4

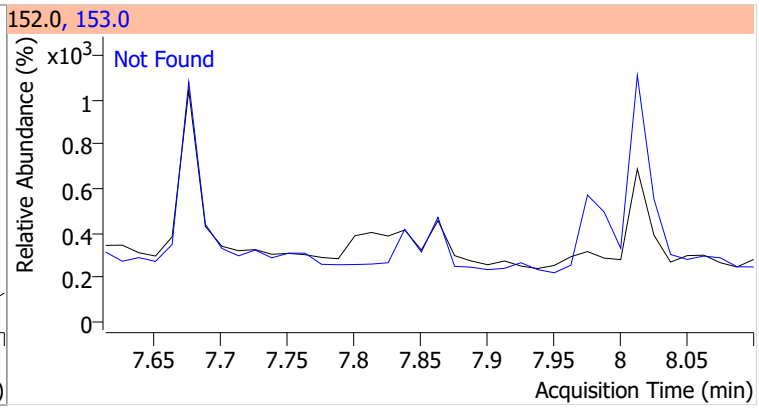




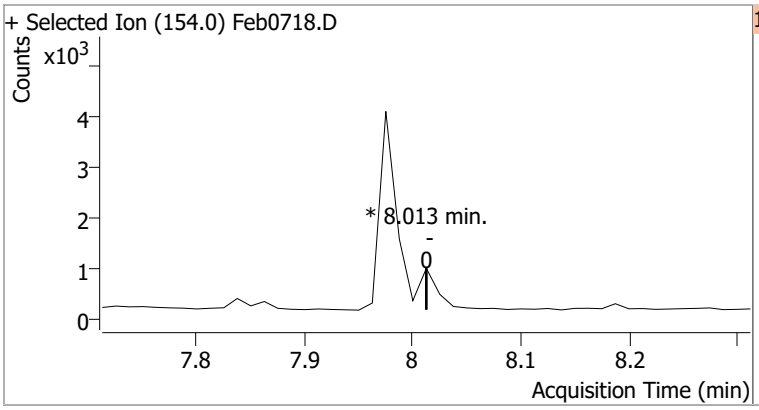


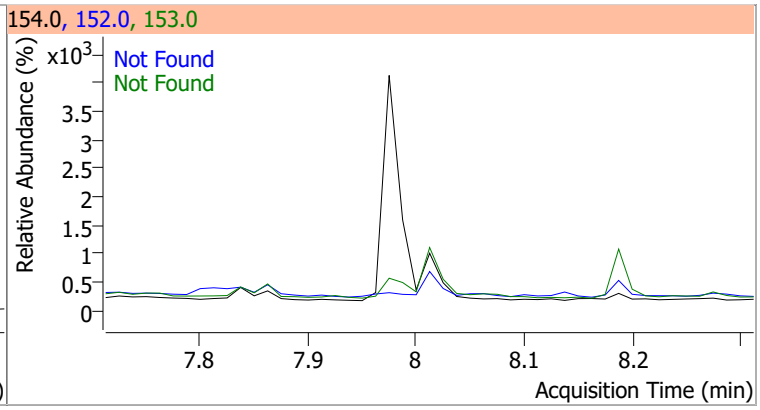
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.80	153.0	17.6



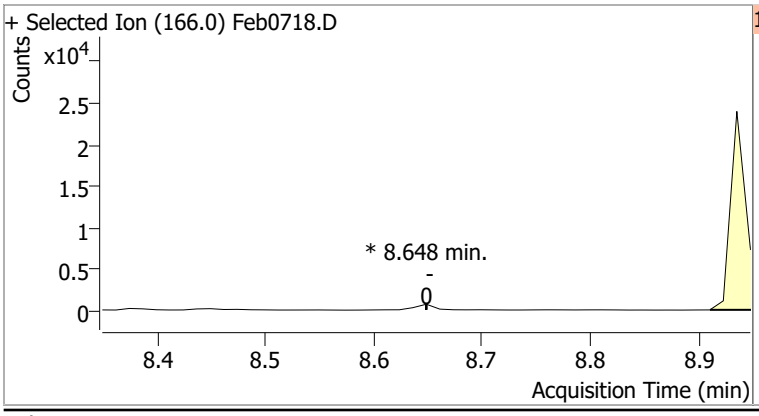


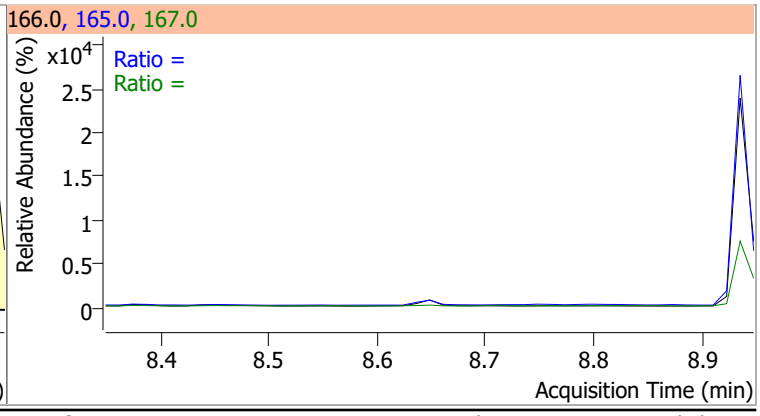
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



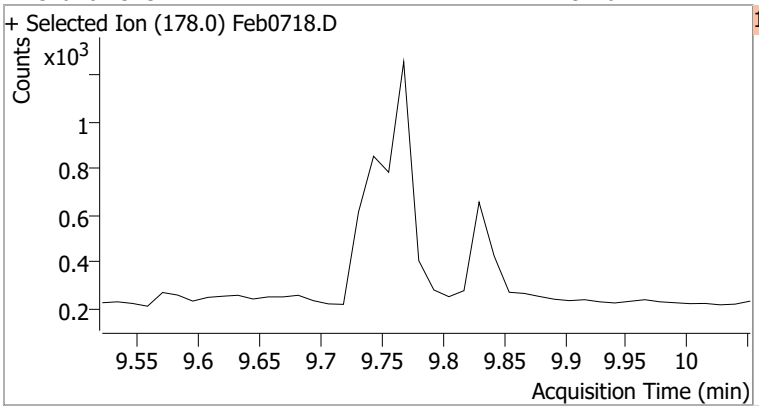


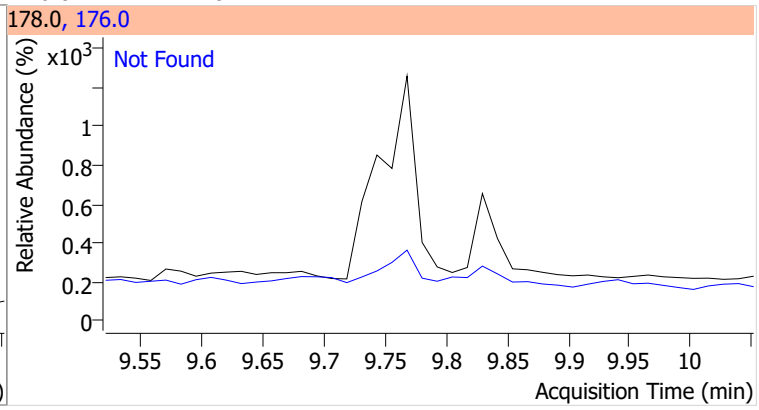
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



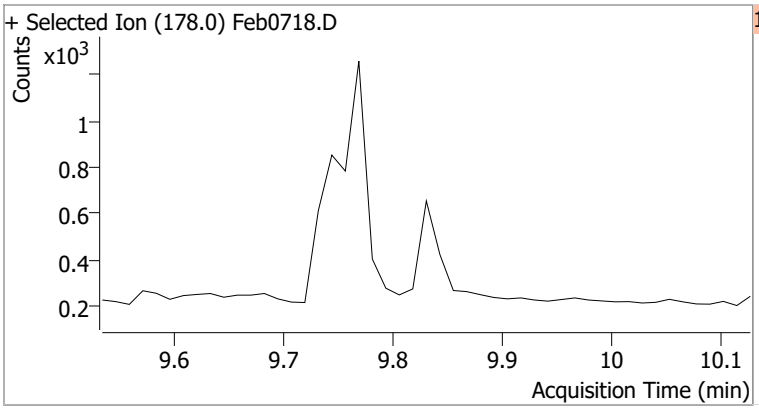


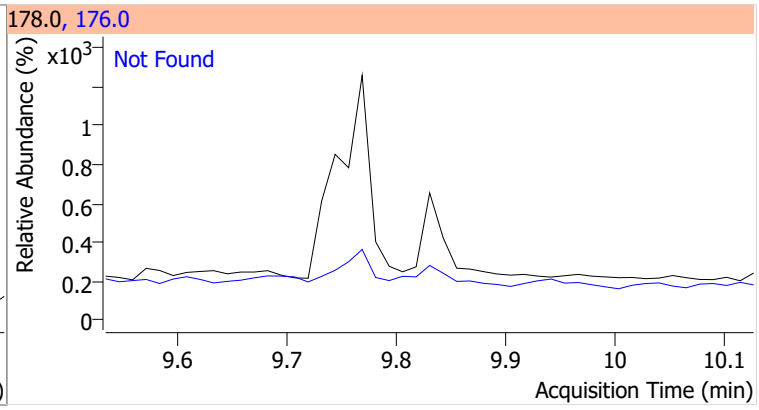
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.76	176.0	18.4



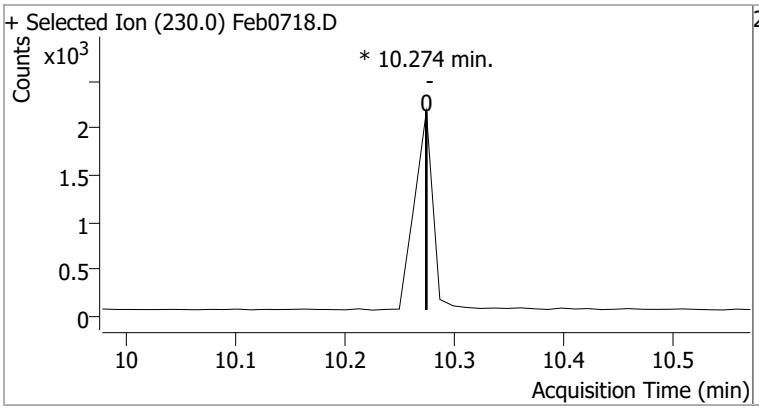


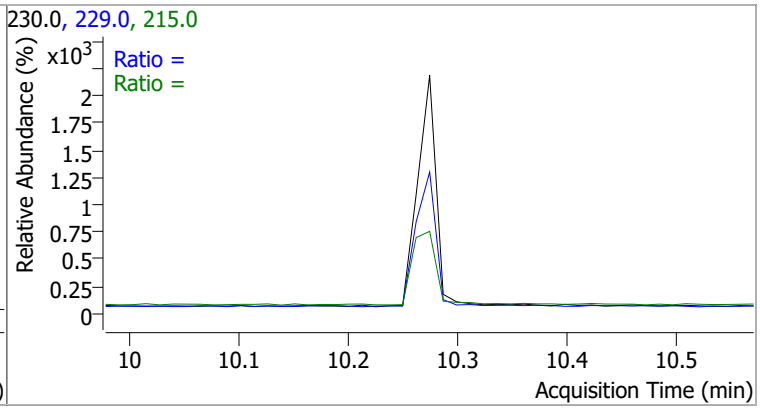
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.83	176.0	18.1



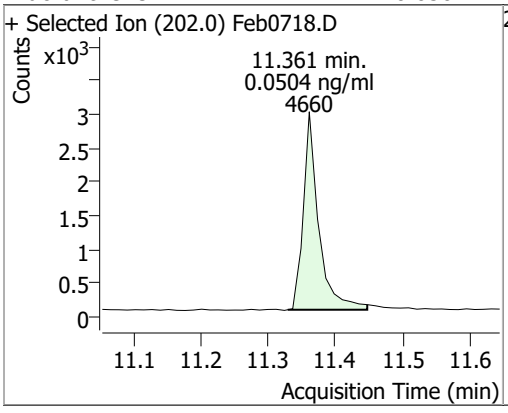


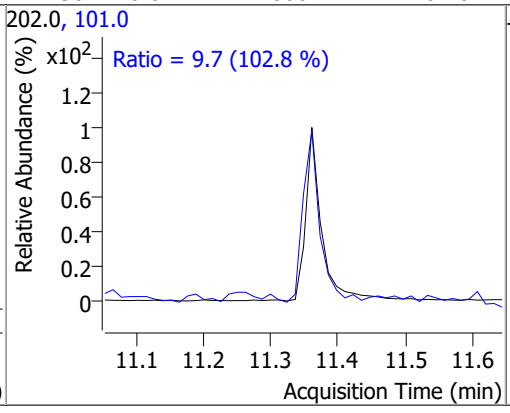
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl		0		0	229.0		46.3	85.9
					215.0		28.9	53.6

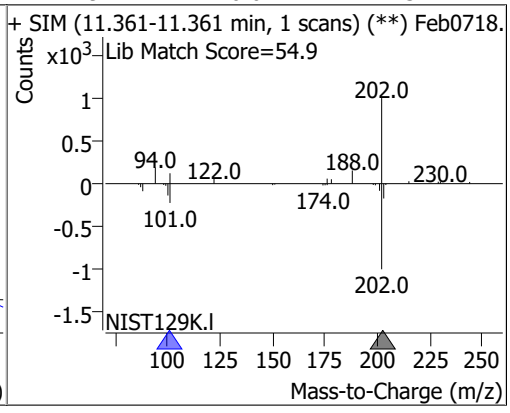




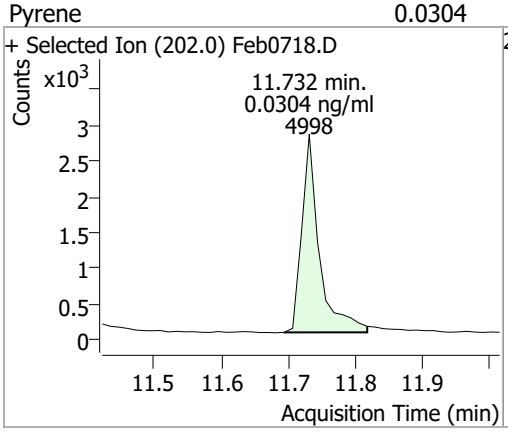
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	0.0504	11.36	0.01	4660	101.0	9.7	6.6	12.3

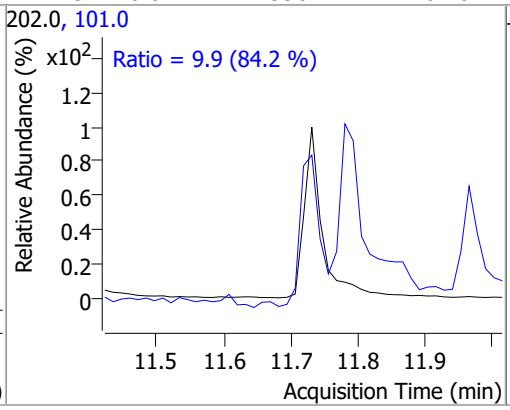


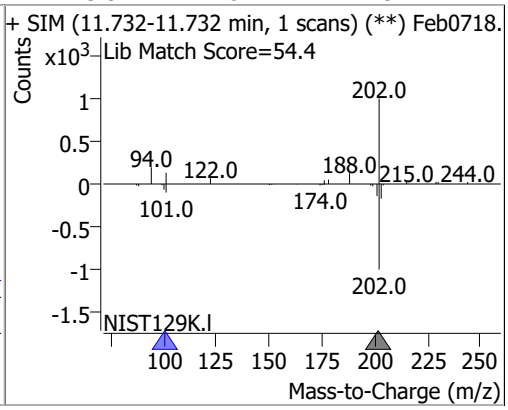




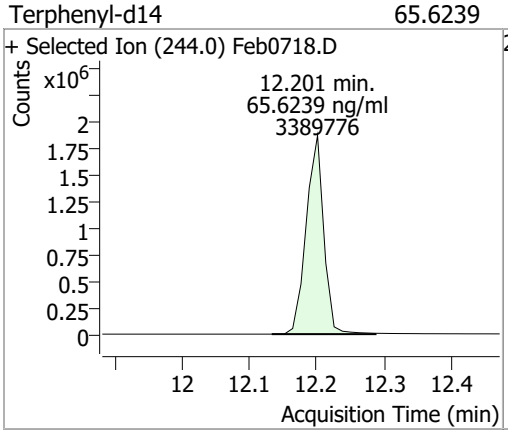
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	0.0304	11.73	0.01	4998	101.0	9.9	8.2	15.2

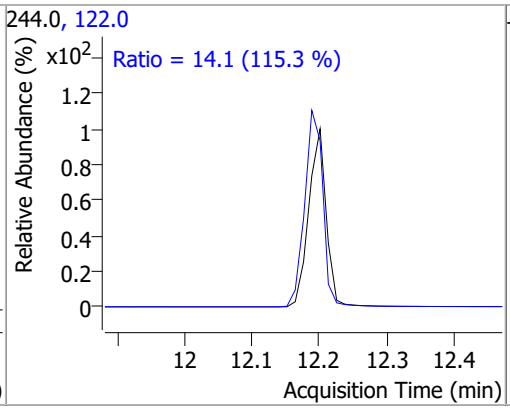


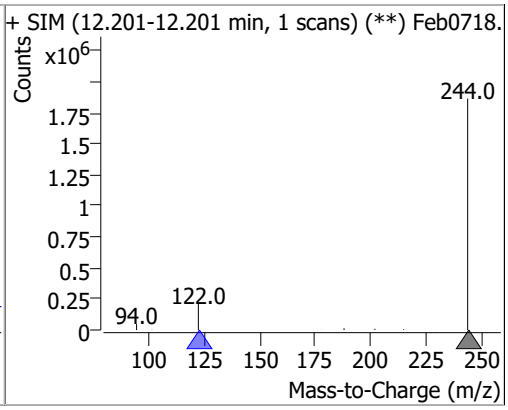




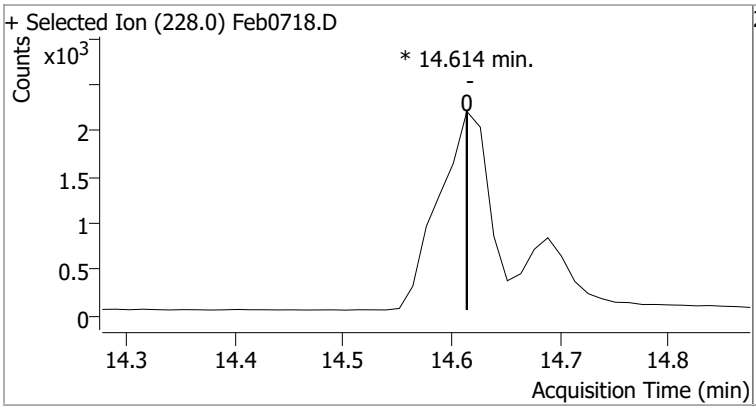
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	65.6239	12.20	0.02	3389776	122.0	14.1	8.6	15.9

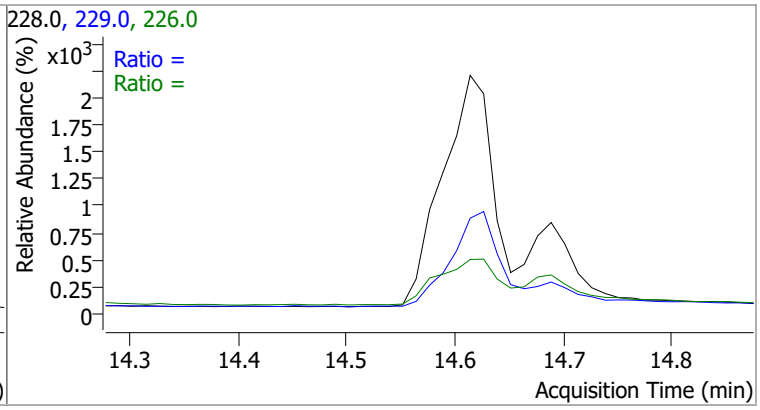




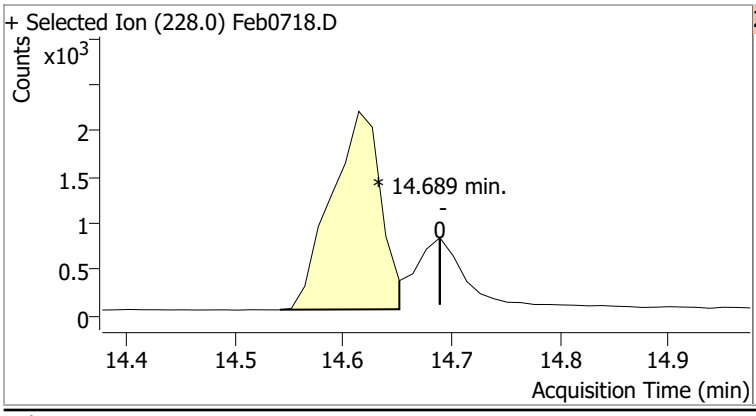


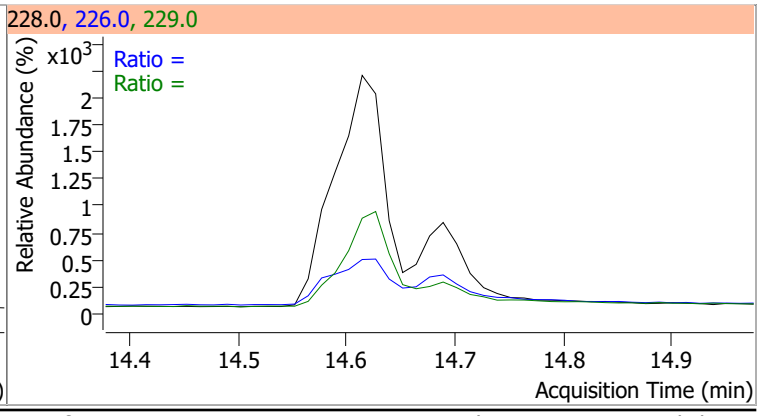
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



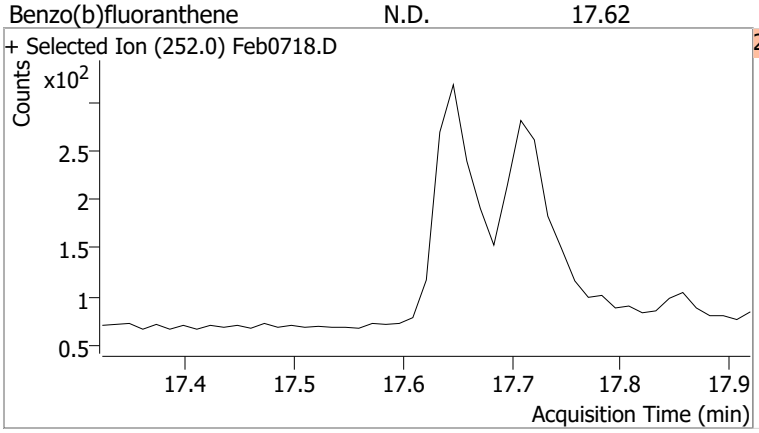


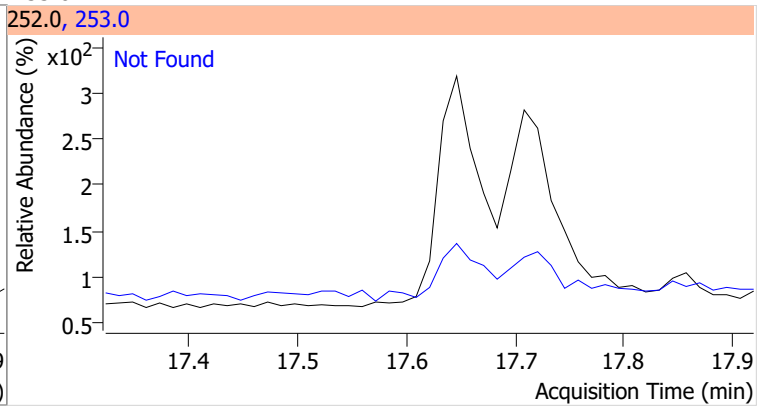
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



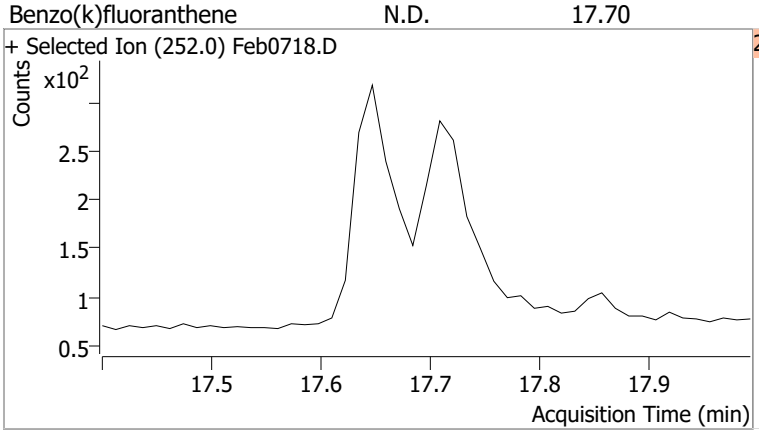


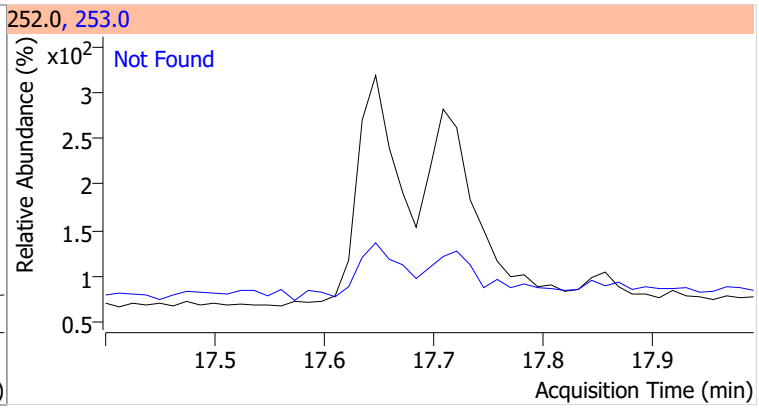
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.62	253.0	22.2



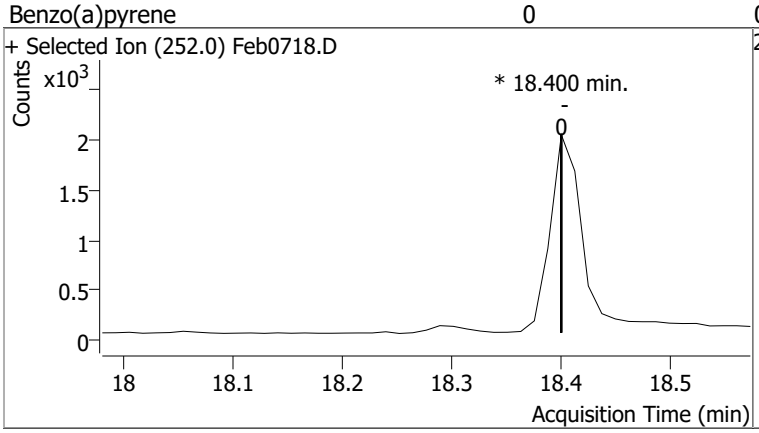


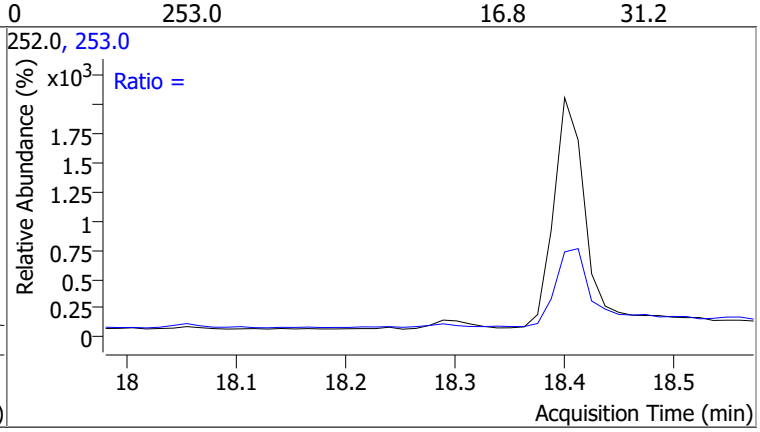
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.70	253.0	23.6



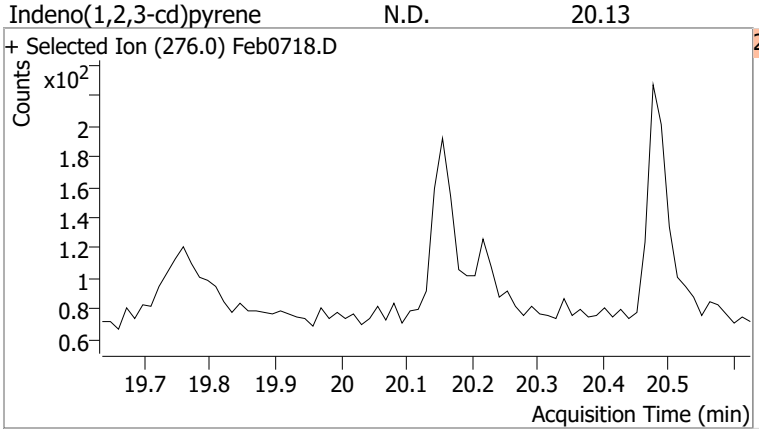


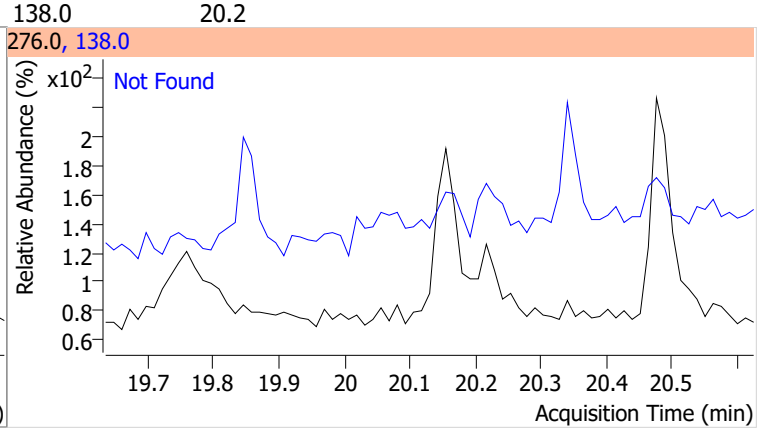
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



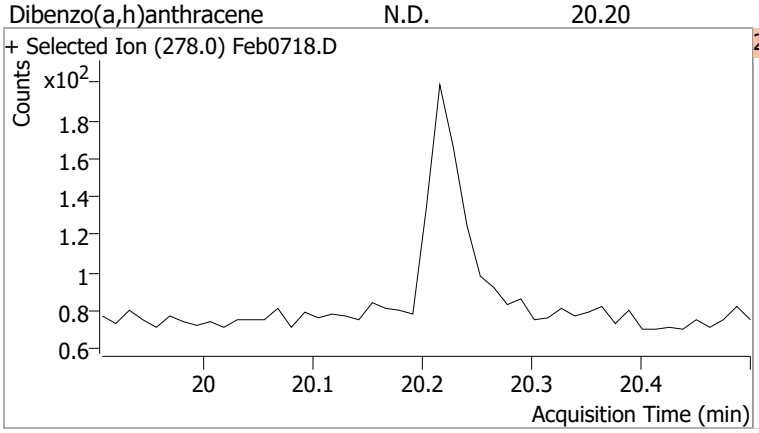


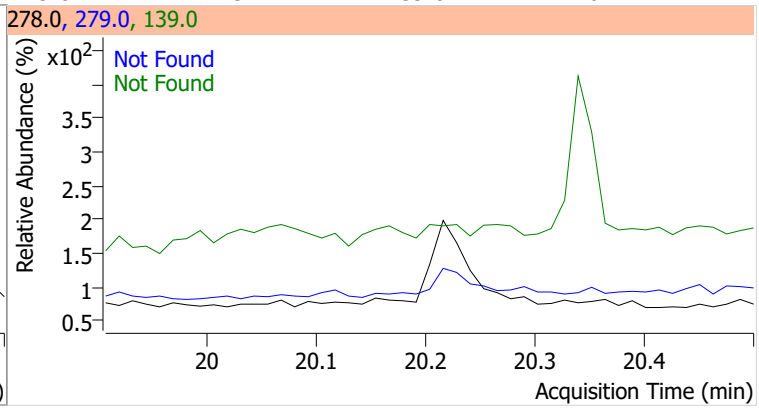
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.13	138.0	20.2



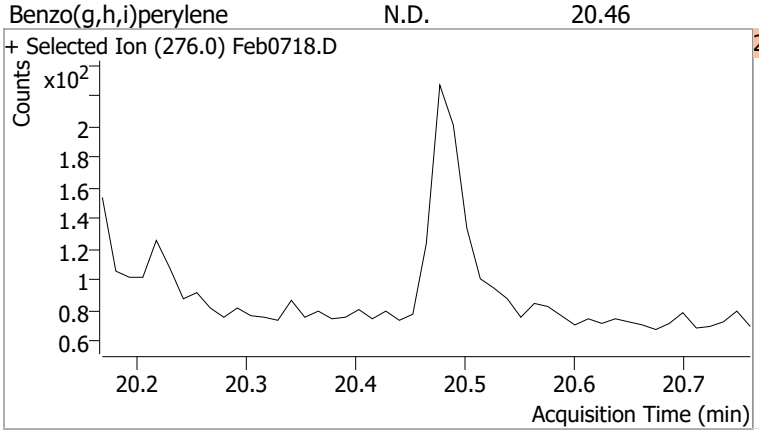


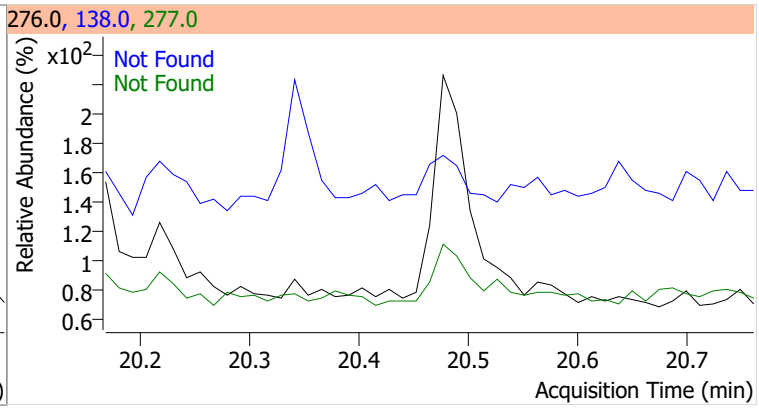
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.20	279.0	24.9	139.0	16.2





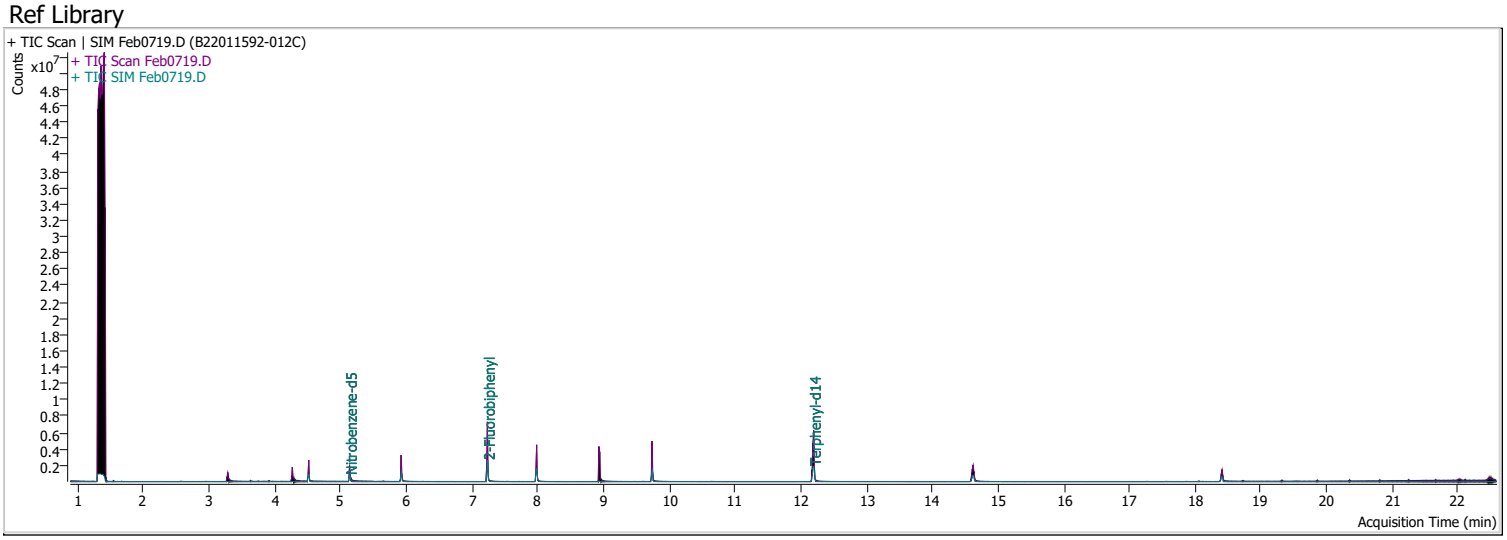
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.46	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb0719.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/8/2022 12:54:48 AM
Sample Name	B22011592-012C	Instrument	GCMS
Vial	19	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

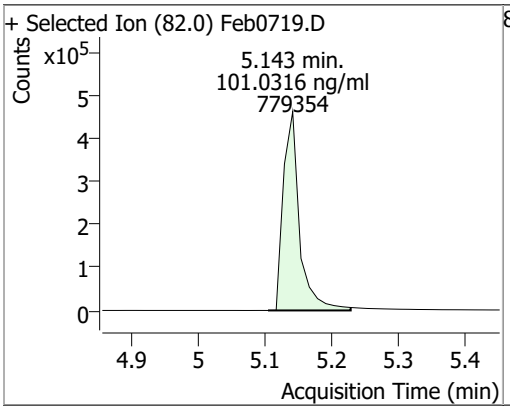


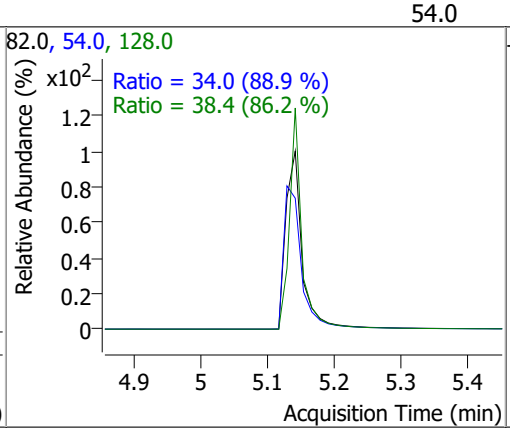
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	386960	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1384320	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.988	164.0	926342	40.0000	ng/ml		0.012
M Phenanthrene-d10	9.743	188.0	1737720	40.0000	ng/ml		0.012
M Chrysene-d12	14.627	240.0	1419308	40.0000	ng/ml		0.012
M Perylene-d12	18.401	264.0	836187	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	779354	101.0316	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 2020.63%		*	
S 2-Fluorobiphenyl	7.240	172.0	2196203	88.0179	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1760.36%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.201	244.0	3201167	67.3564	ng/ml		0.025
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1347.13%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	7.976	154.0	0		ng/ml	md	1
T Fluorene	8.935	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.614	228.0	0		ng/ml	md	1
T Chrysene	14.689	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

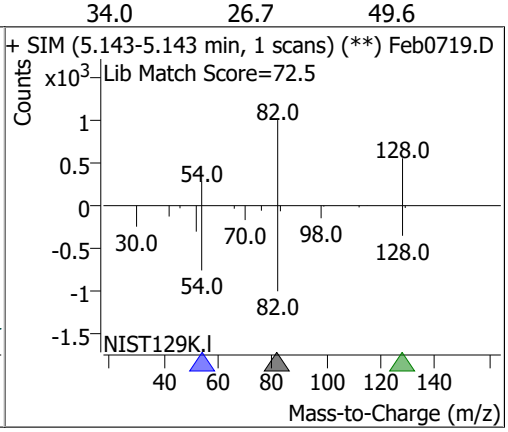
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.401	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

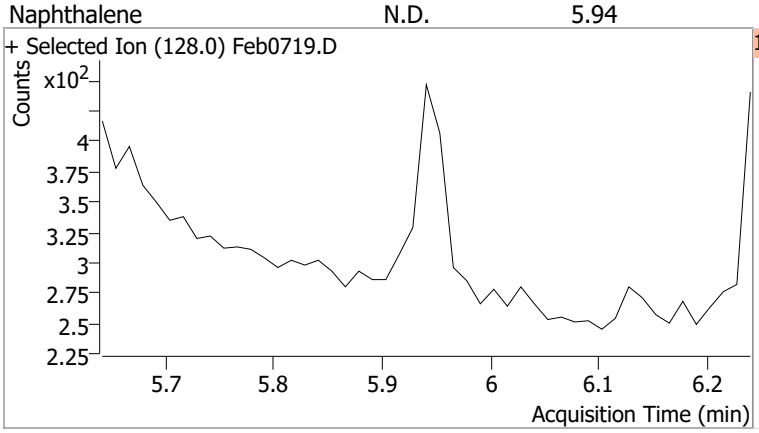
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	101.0316	5.14	-0.01	779354	128.0	38.4	31.2	57.9
					54.0	34.0	26.7	49.6

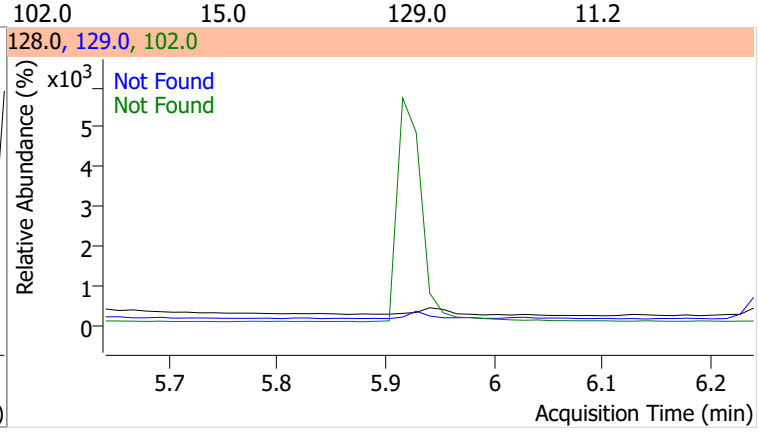




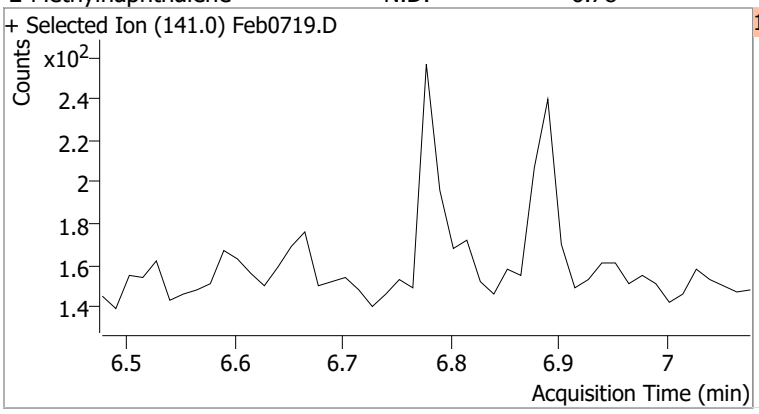


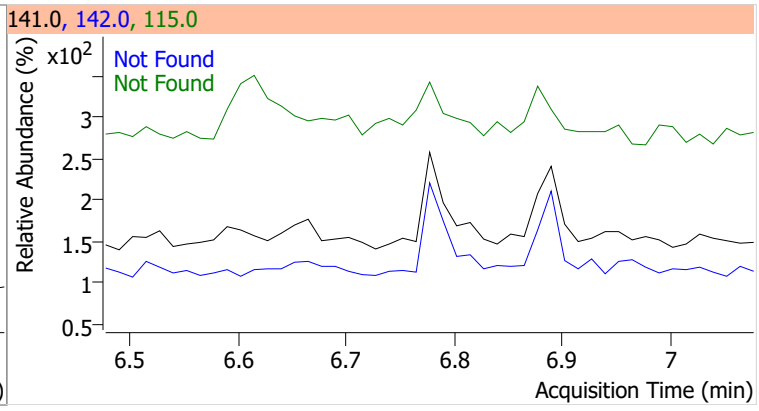
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.94	102.0	15.0	129.0	11.2



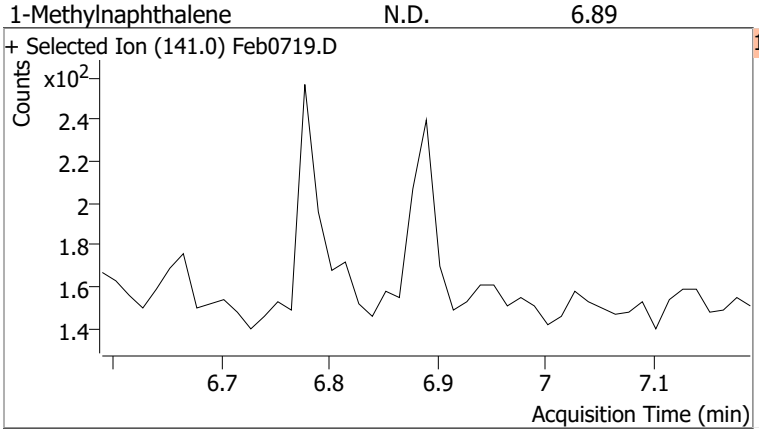


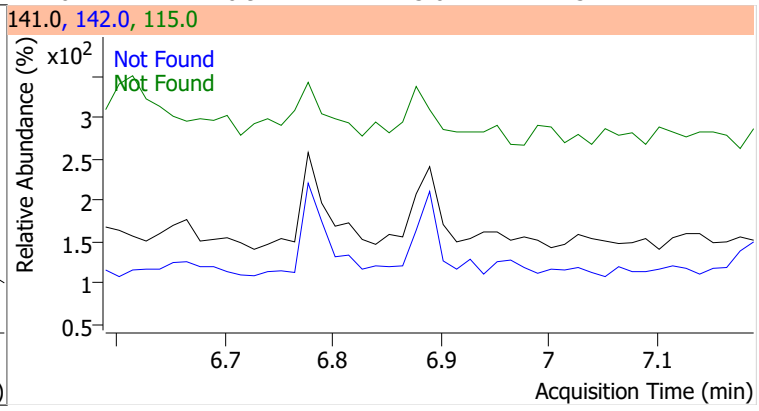
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.78	142.0	135.7	115.0	47.1





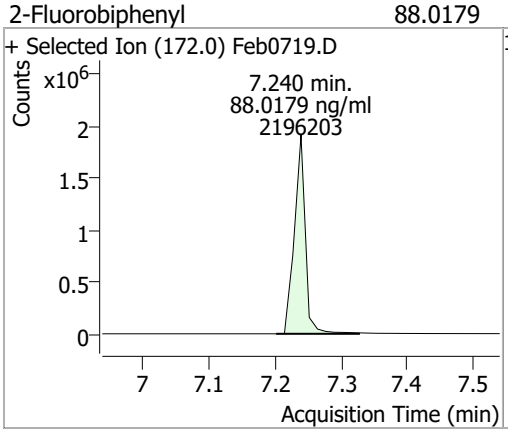
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.89	142.0	110.9	115.0	52.2

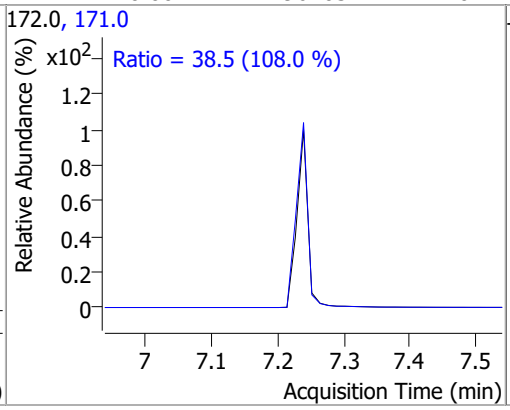


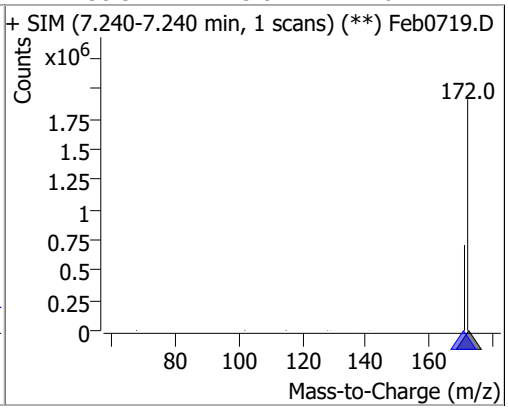


Quantitation Results Report (QT Reviewed)

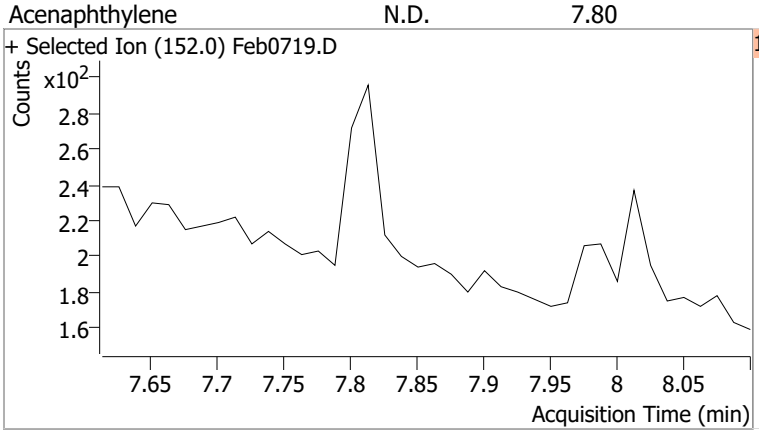
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	88.0179	7.24	0.00	2196203	171.0	38.5	25.0	46.4

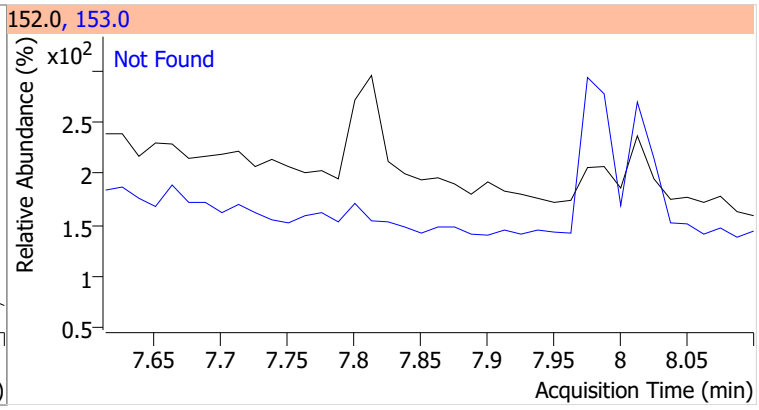




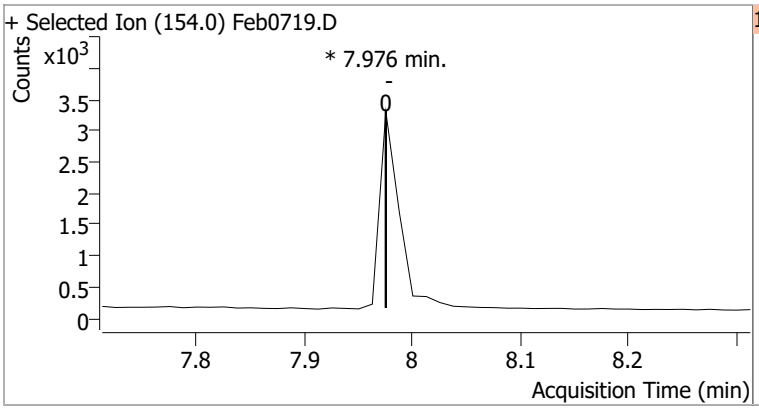


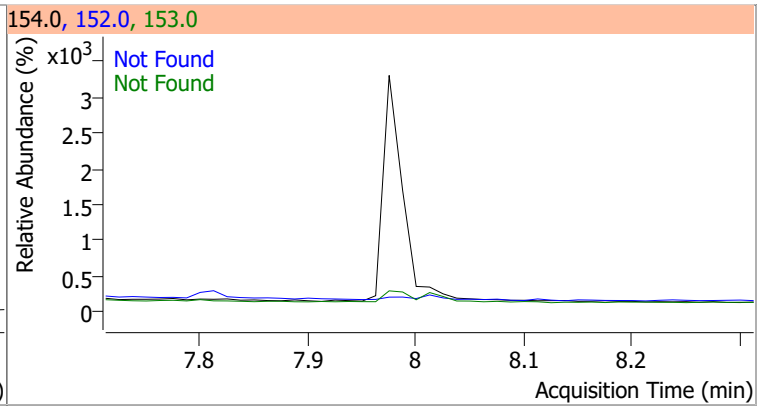
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.80	153.0	17.6



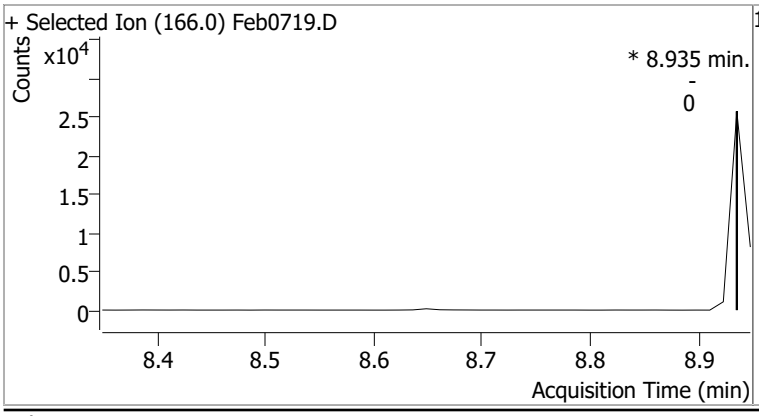


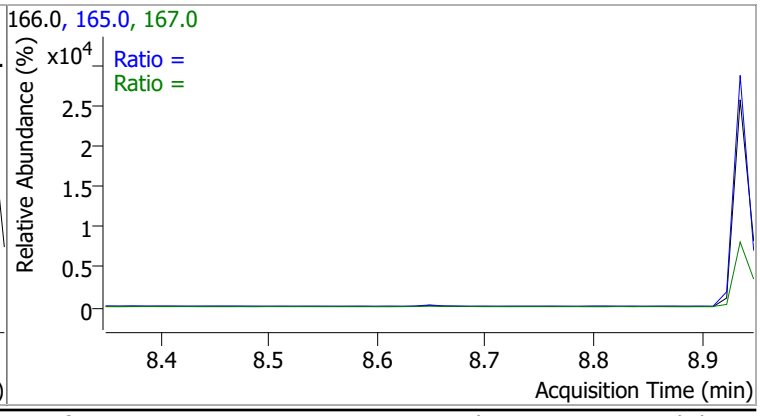
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



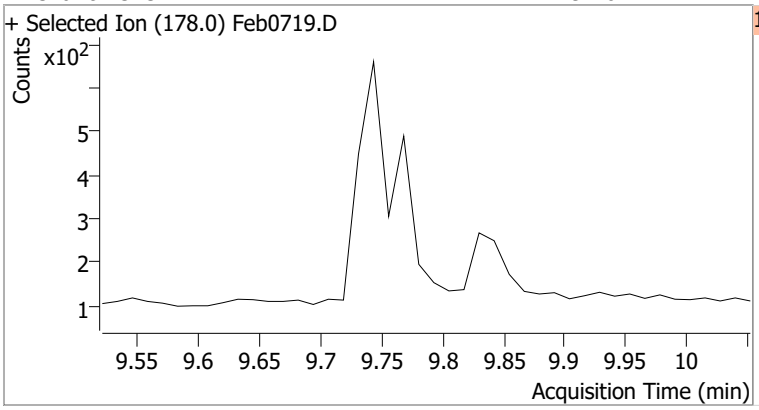


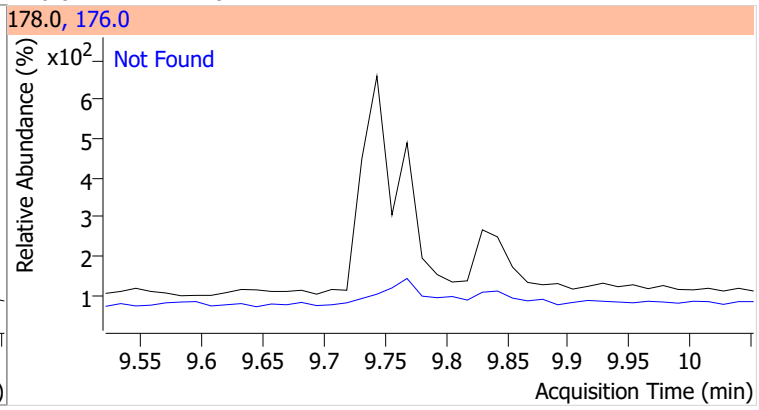
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



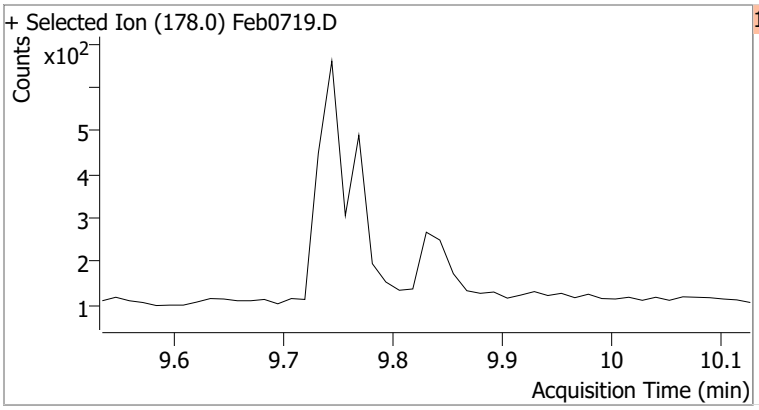


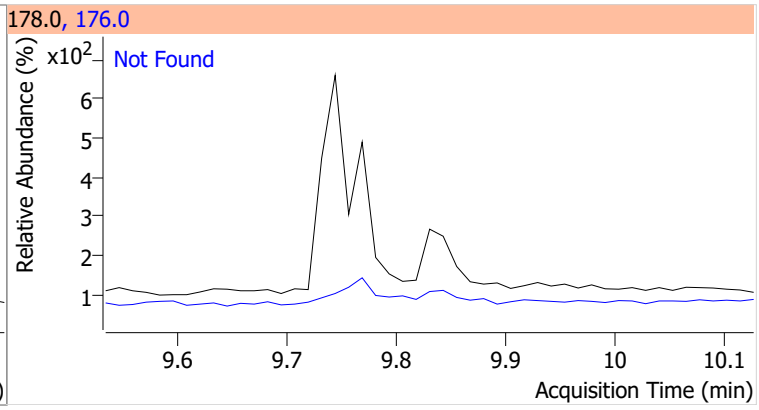
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.76	176.0	18.4



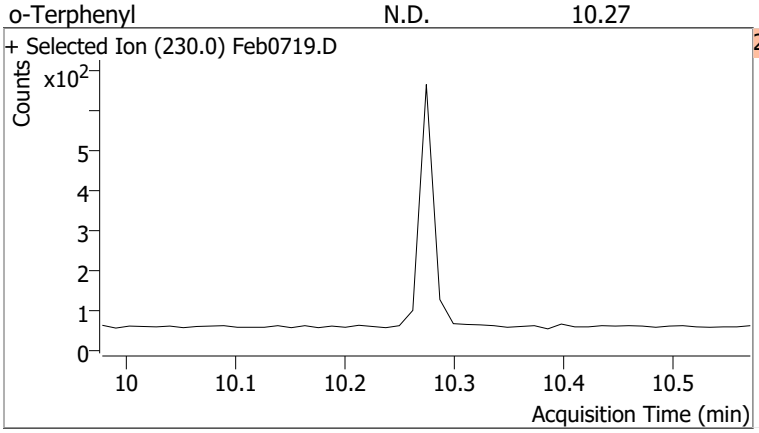


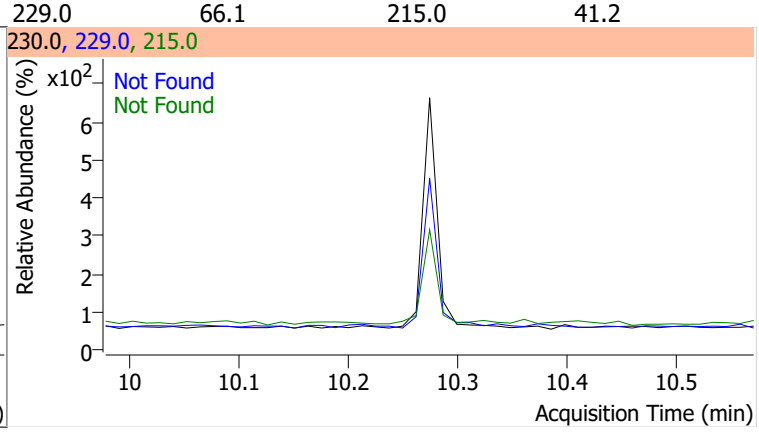
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.83	176.0	18.1



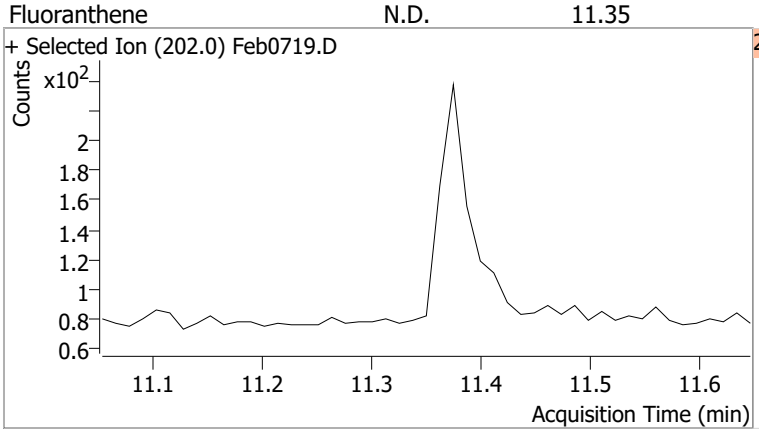


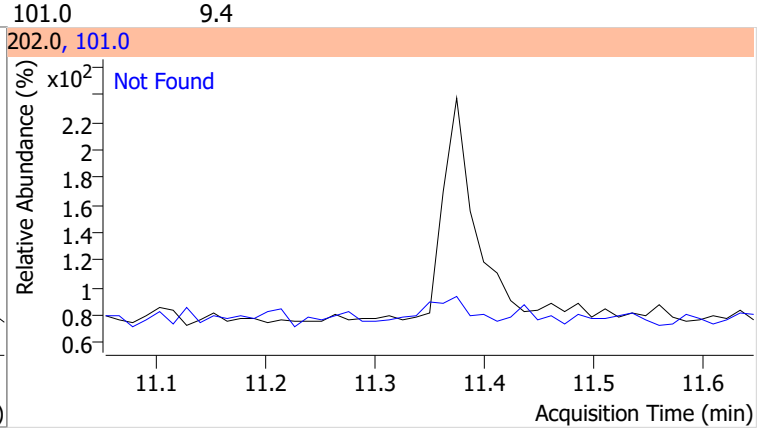
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.27	229.0	66.1	215.0	41.2



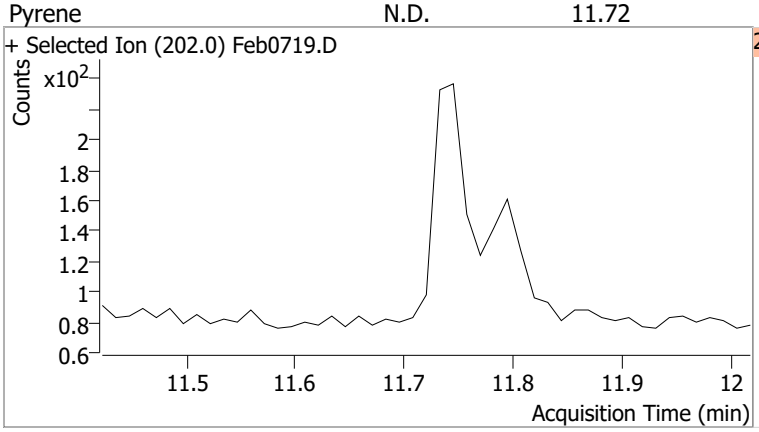


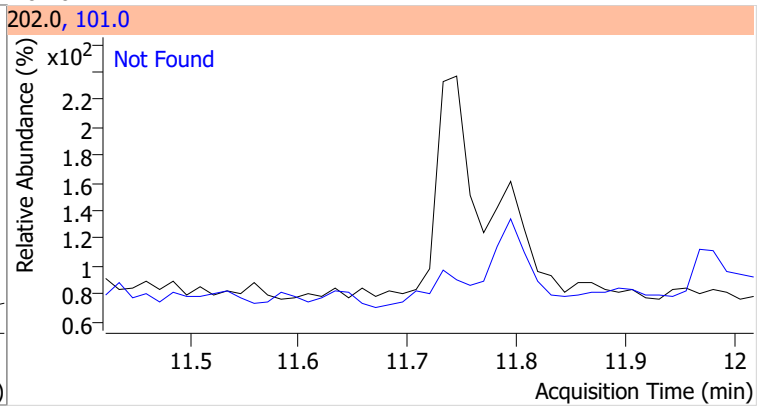
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.35	101.0	9.4



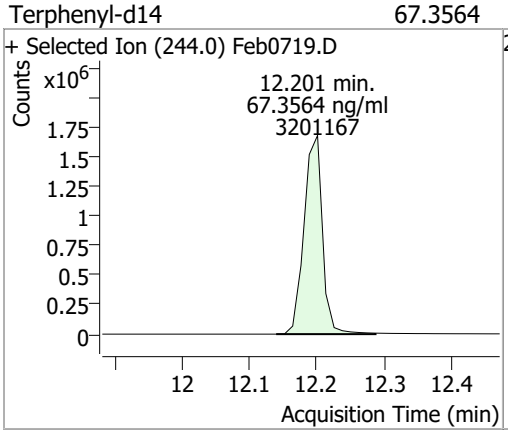


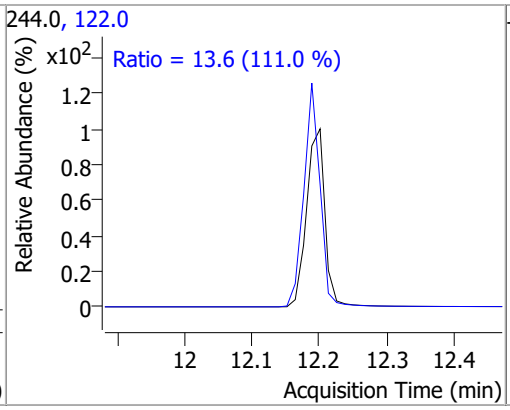
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.72	101.0	11.7

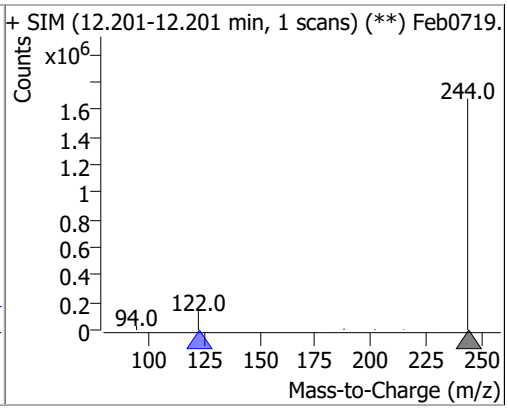




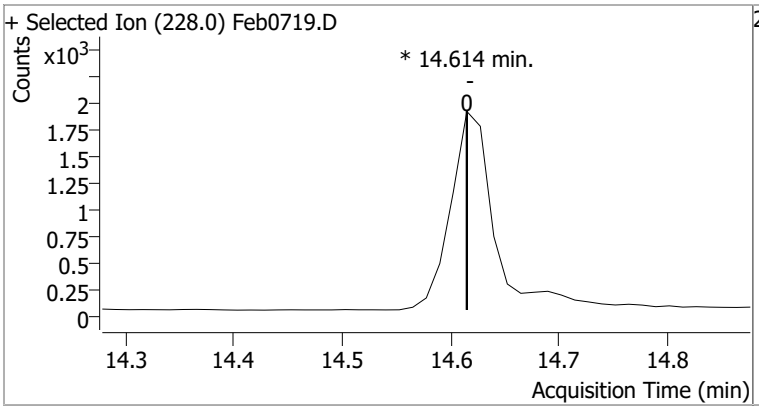
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	67.3564	12.20	0.02	3201167	122.0	13.6	8.6	15.9

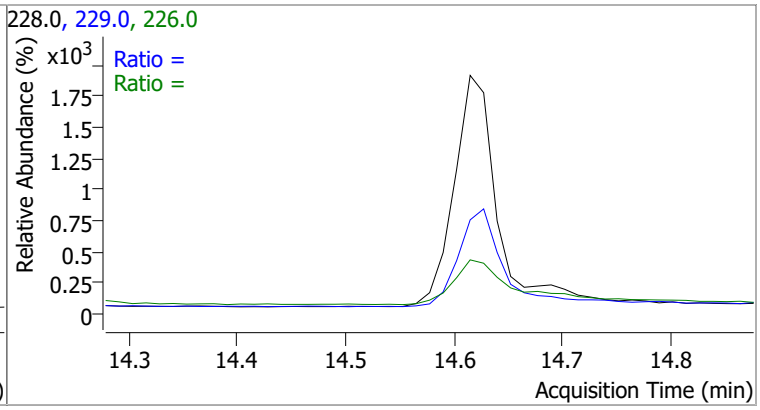




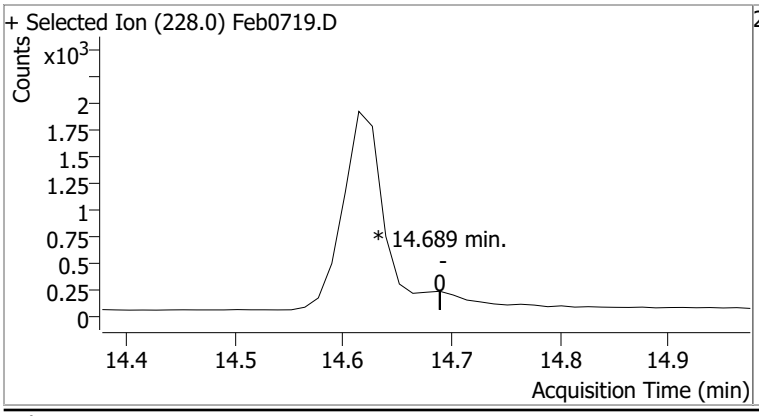


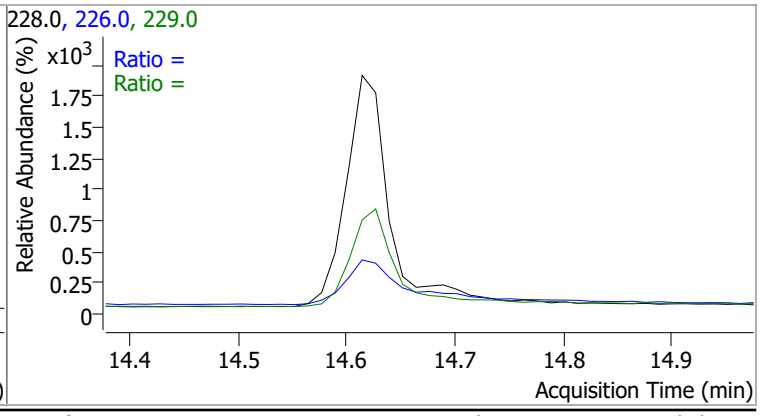
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



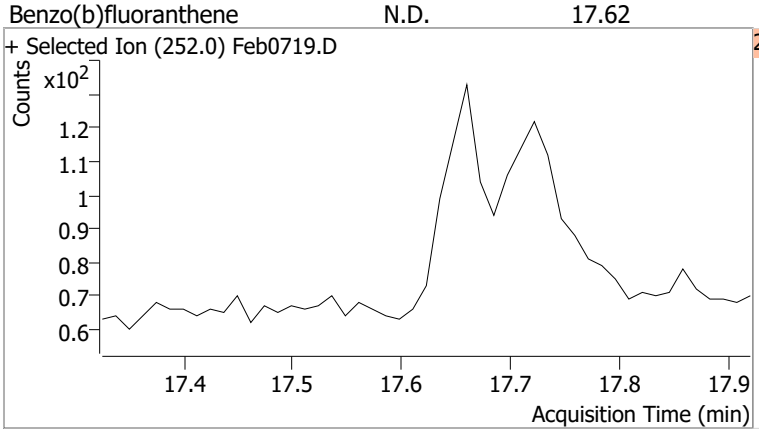


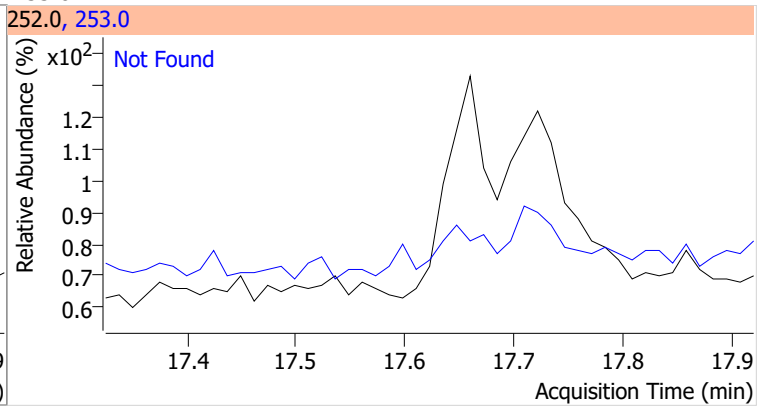
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



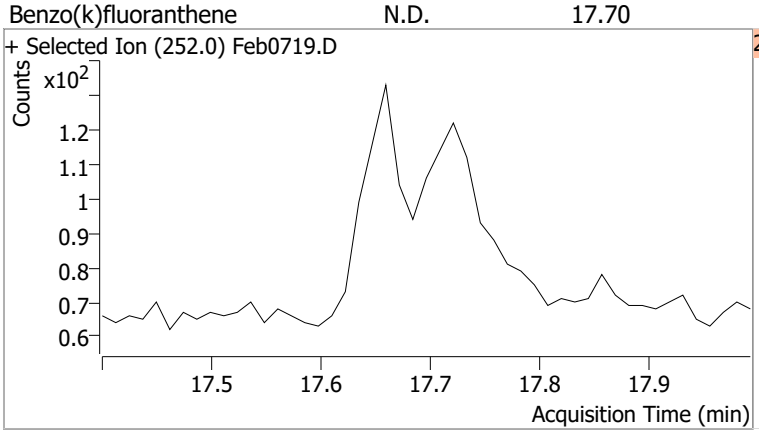


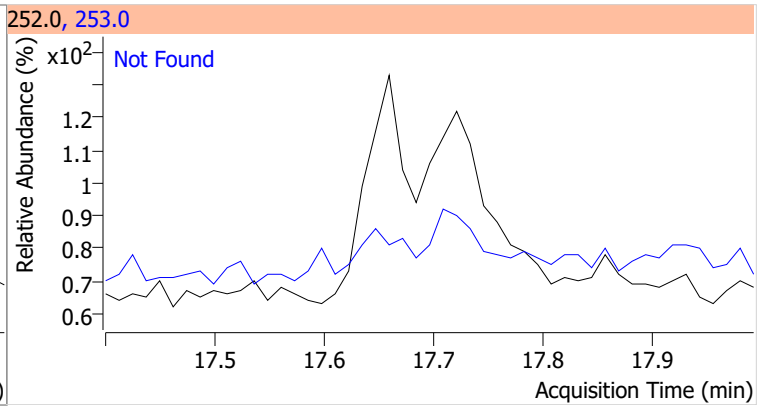
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.62	253.0	22.2



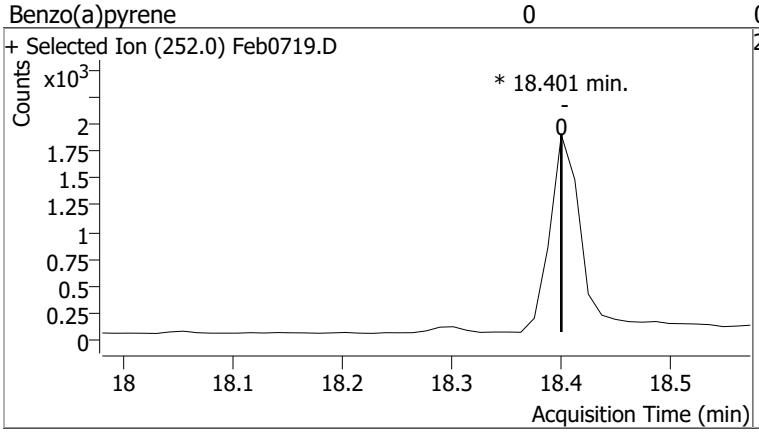


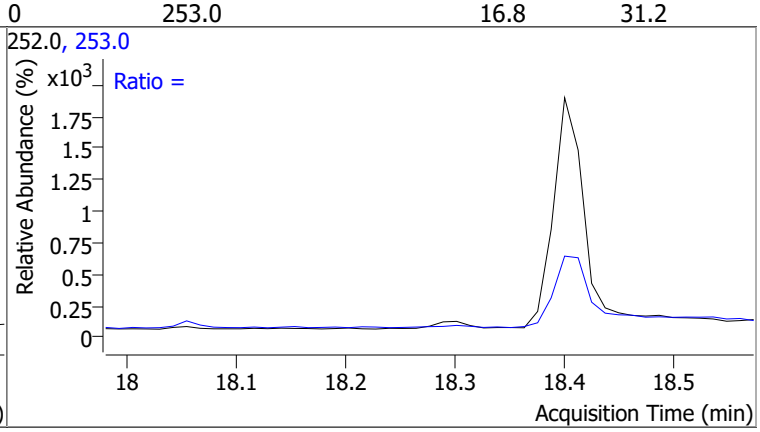
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.70	253.0	23.6



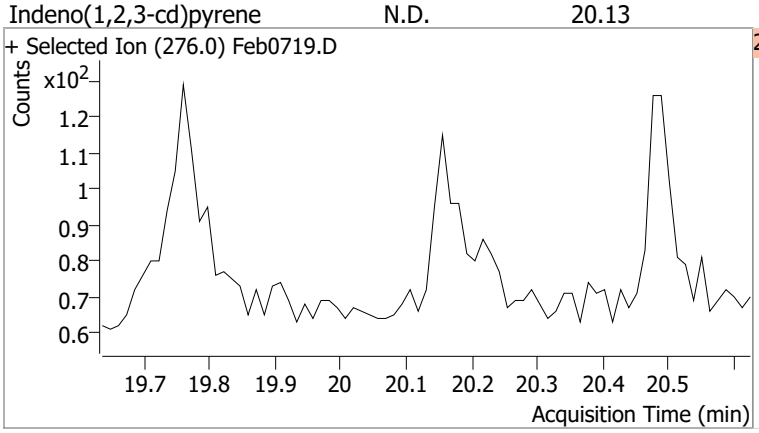


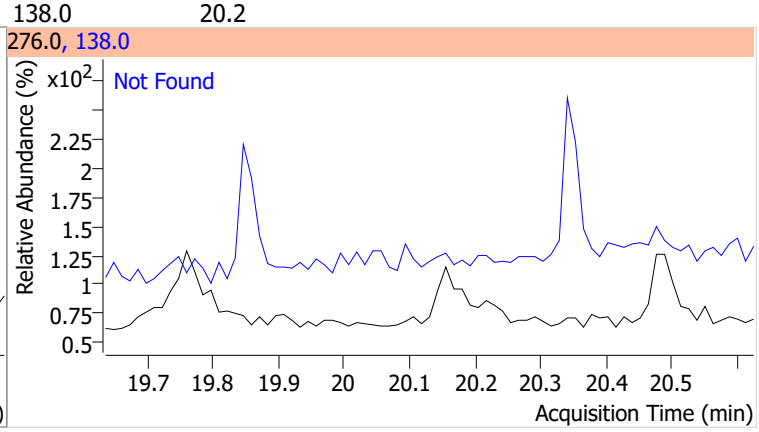
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



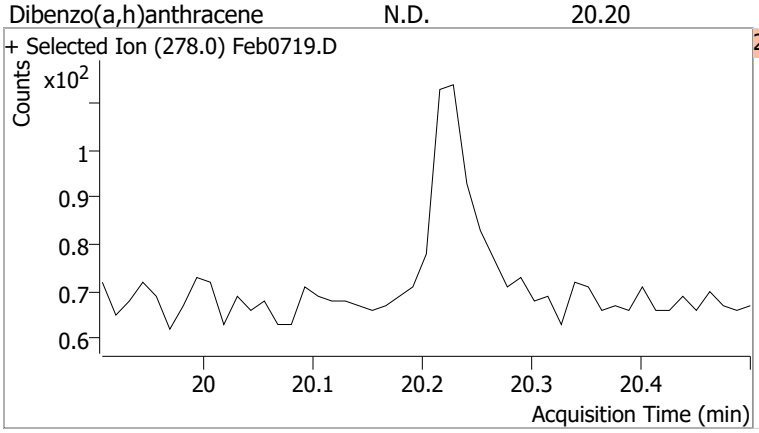


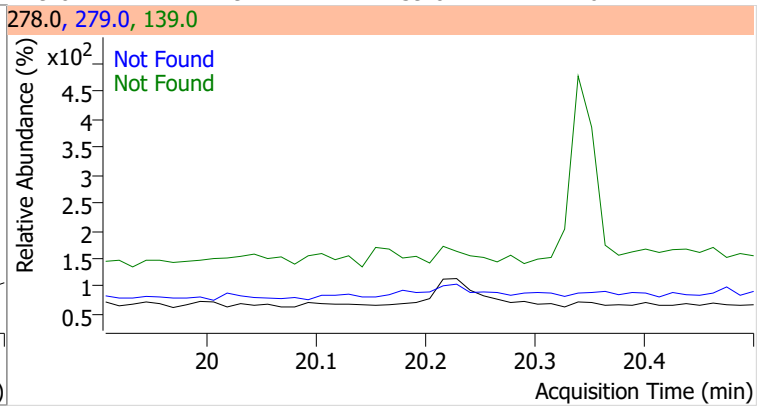
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.13	138.0	20.2



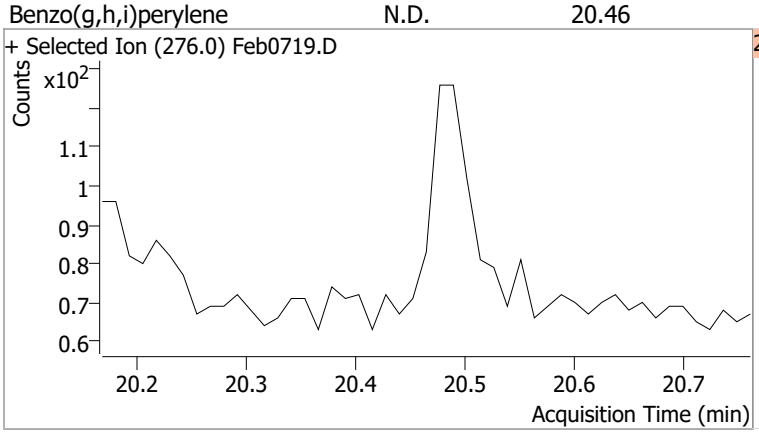


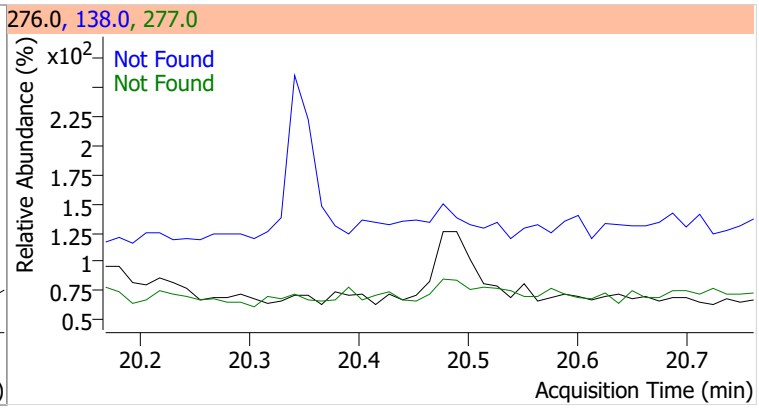
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.20	279.0	24.9	139.0	16.2





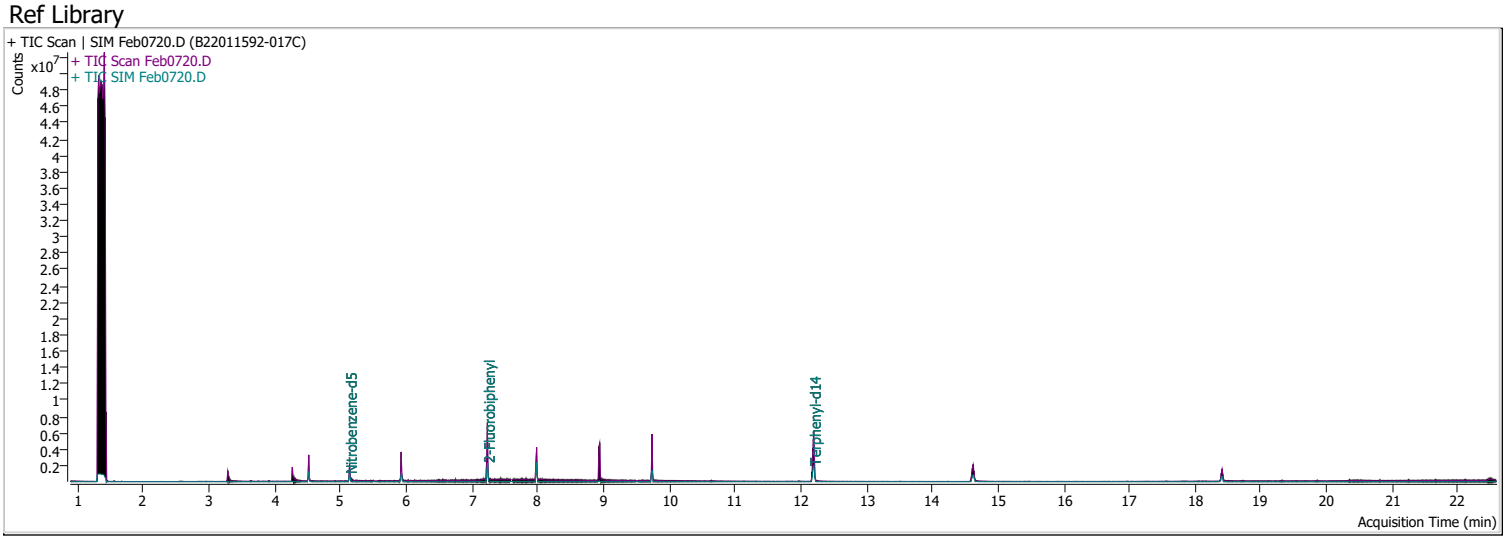
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.46	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb0720.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/8/2022 1:27:22 AM
Sample Name	B22011592-017C	Instrument	GCMS
Vial	20	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			



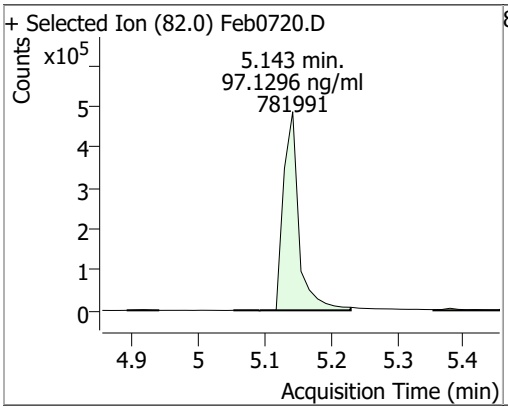
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	403867	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1394627	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.976	164.0	941487	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	1830337	40.0000	ng/ml		0.012
M Chrysene-d12	14.627	240.0	1464595	40.0000	ng/ml		0.013
M Perylene-d12	18.401	264.0	900781	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	781991	97.1296	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1942.59%		*	
S 2-Fluorobiphenyl	7.240	172.0	2163769	84.8512	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1697.02%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.201	244.0	3157672	65.2175	ng/ml		0.025
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1304.35%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.013	154.0	0		ng/ml	md	1
T Fluorene	8.935	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.614	228.0	0		ng/ml	md	1
T Chrysene	14.689	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

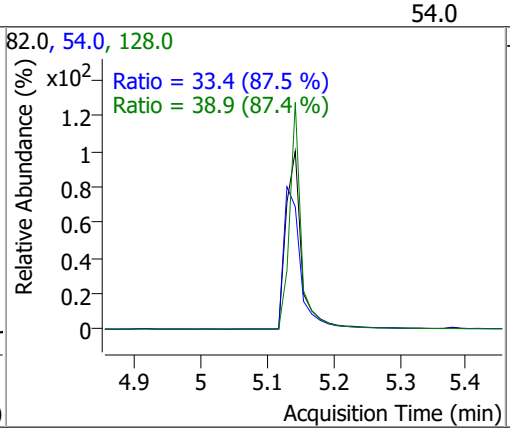
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.401	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

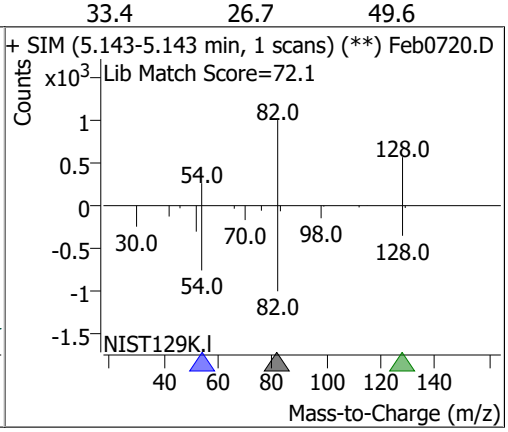
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (QT Reviewed)

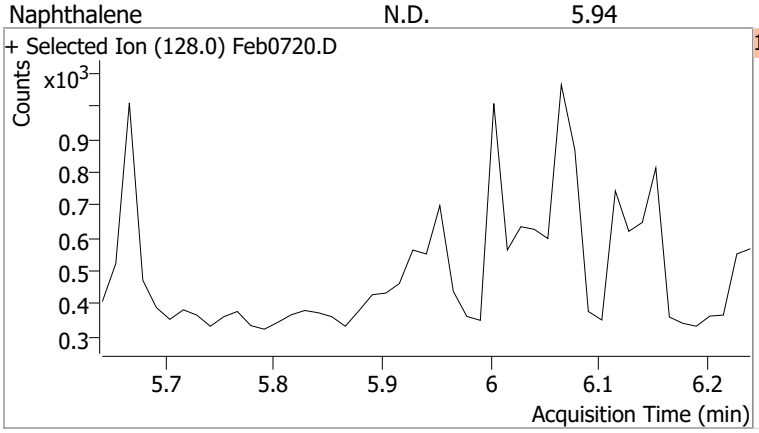
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	97.1296	5.14	-0.01	781991	128.0	38.9	31.2	57.9
					54.0	33.4	26.7	49.6

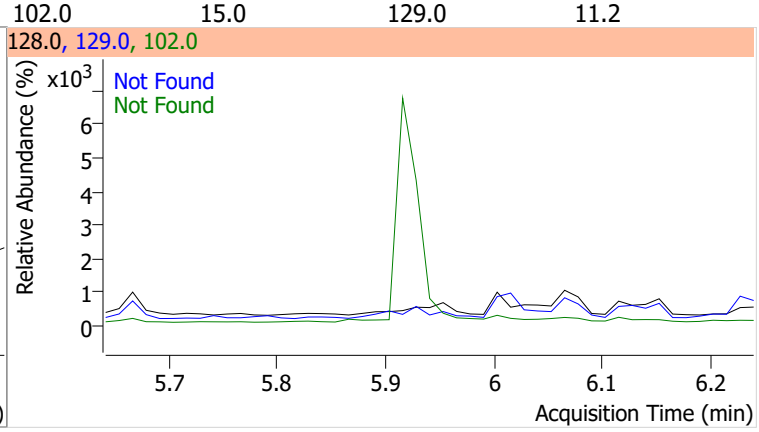




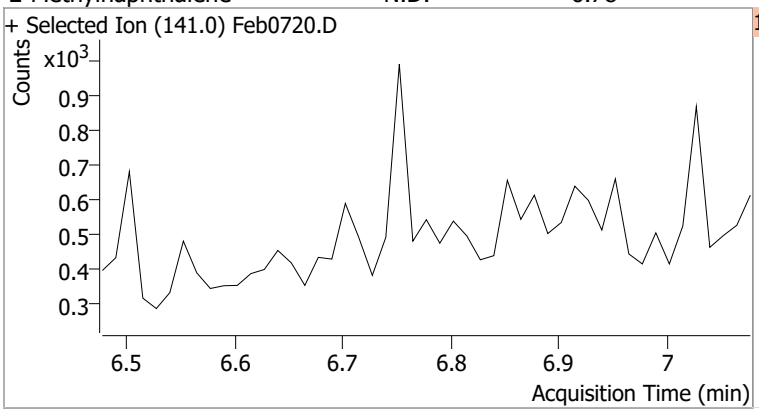


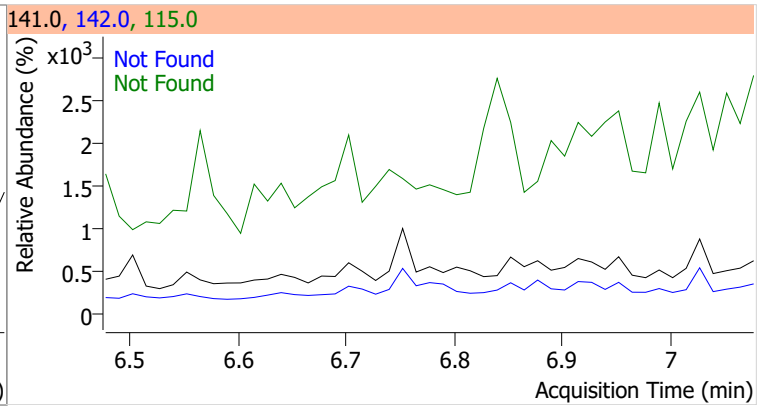
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.94	102.0	15.0	129.0	11.2



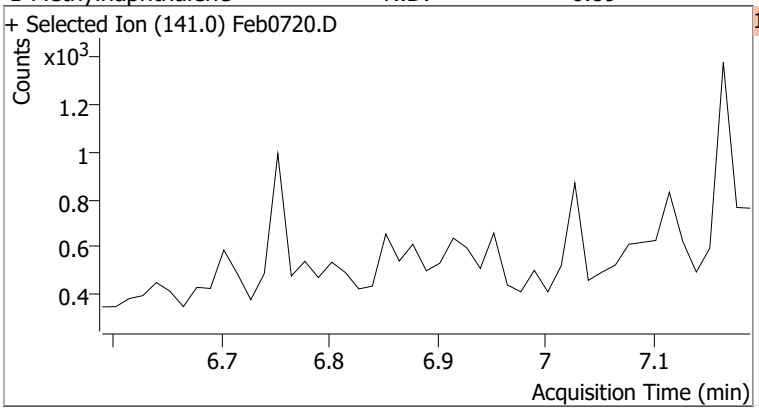


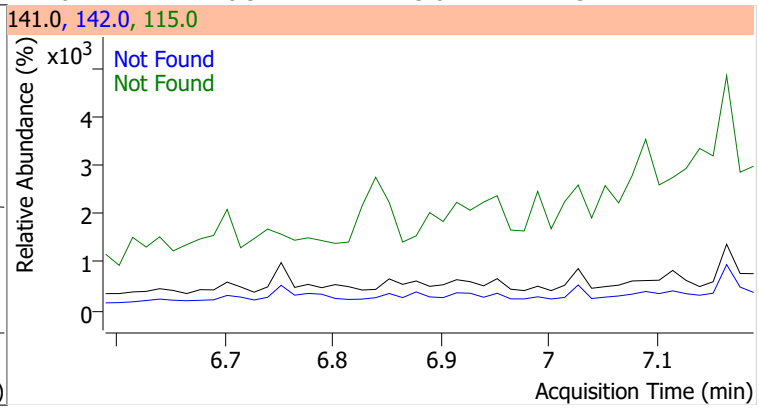
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.78	142.0	135.7	115.0	47.1





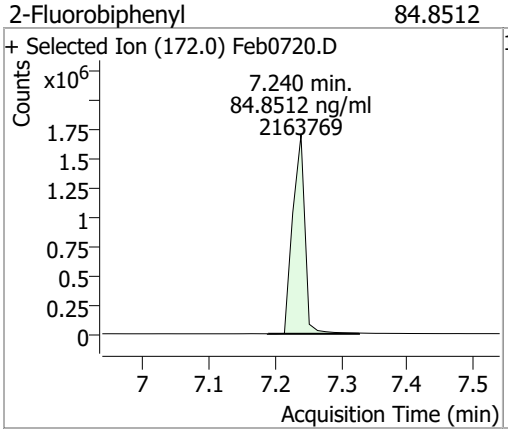
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.89	142.0	110.9	115.0	52.2

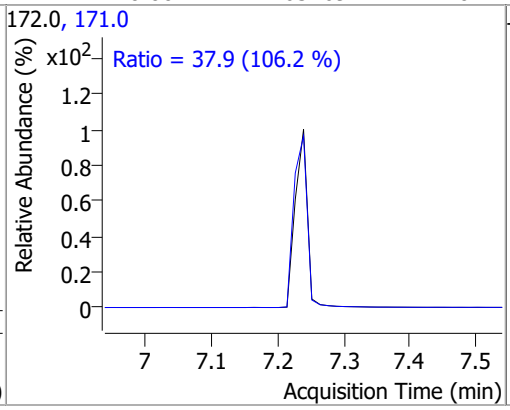


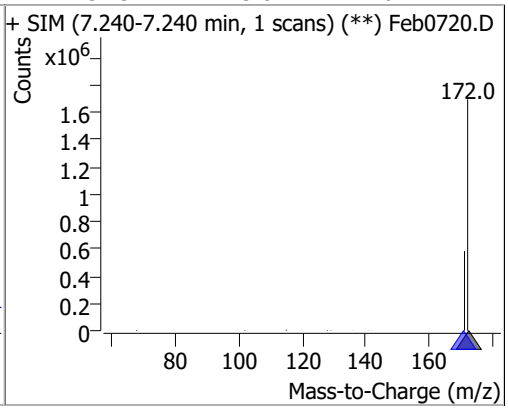


Quantitation Results Report (QT Reviewed)

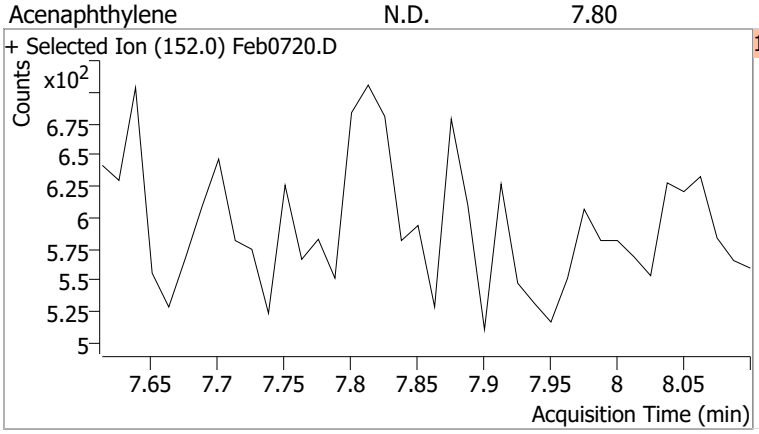
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	84.8512	7.24	0.00	2163769	171.0	37.9	25.0	46.4

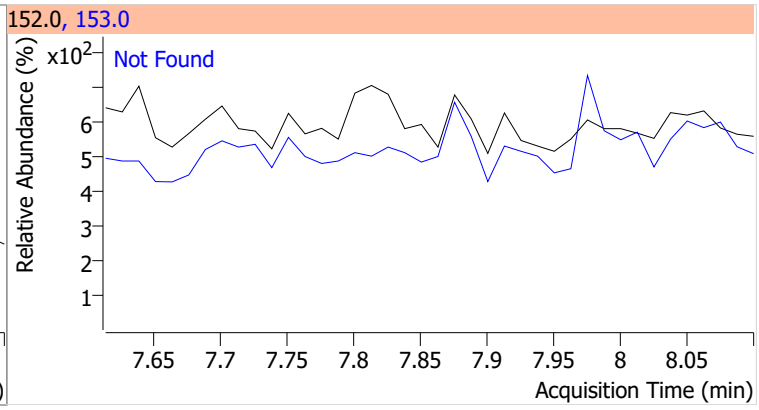




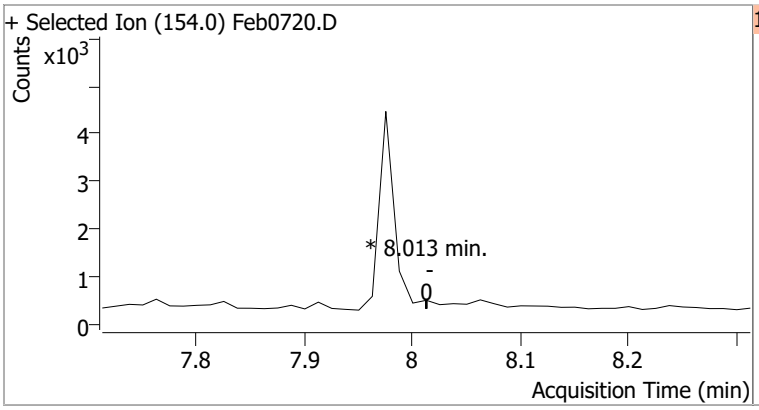


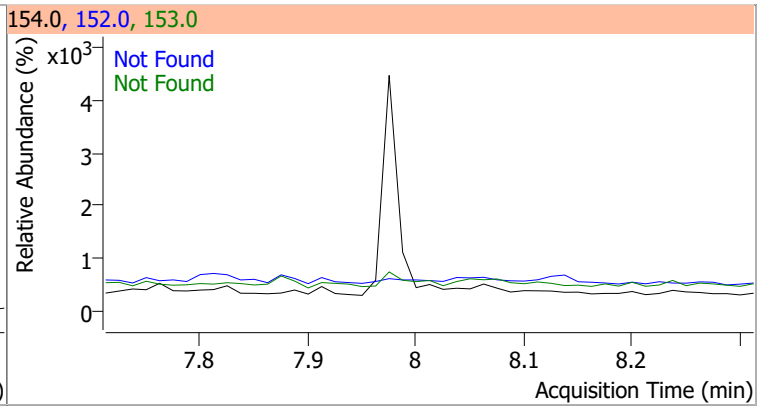
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.80	153.0	17.6



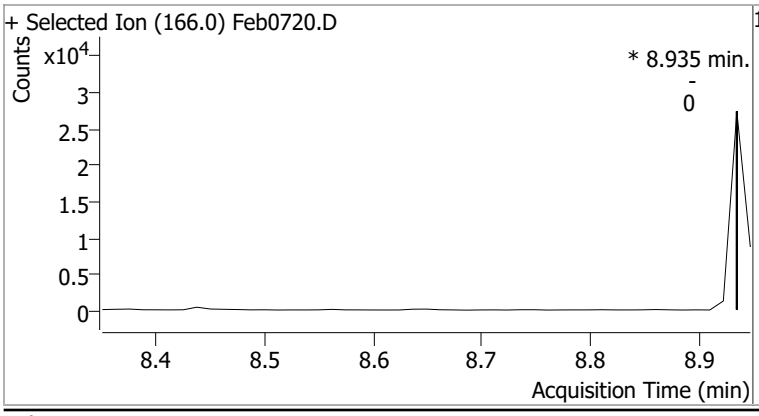


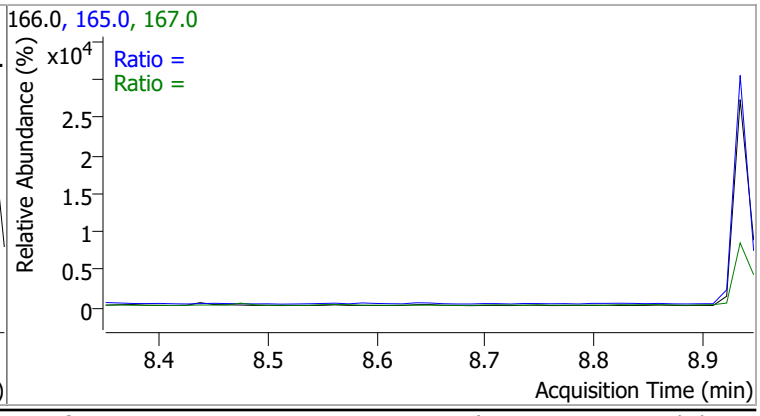
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



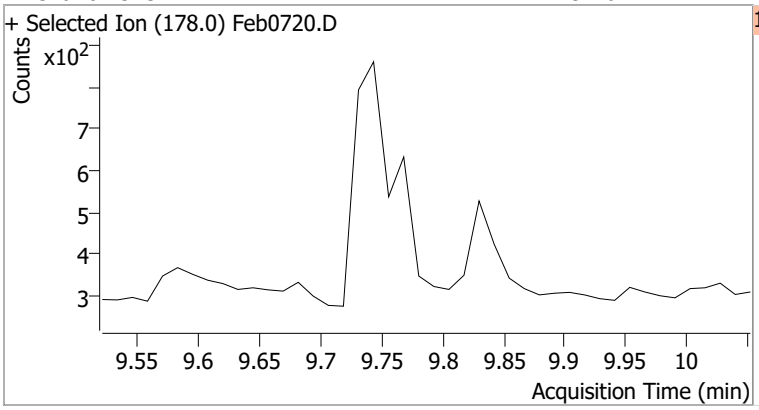


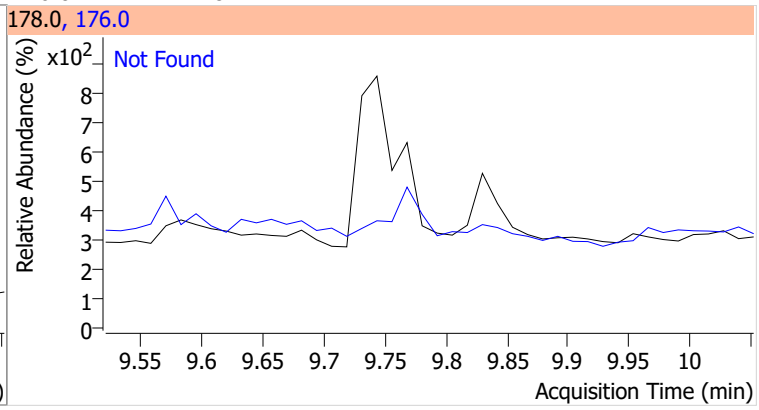
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



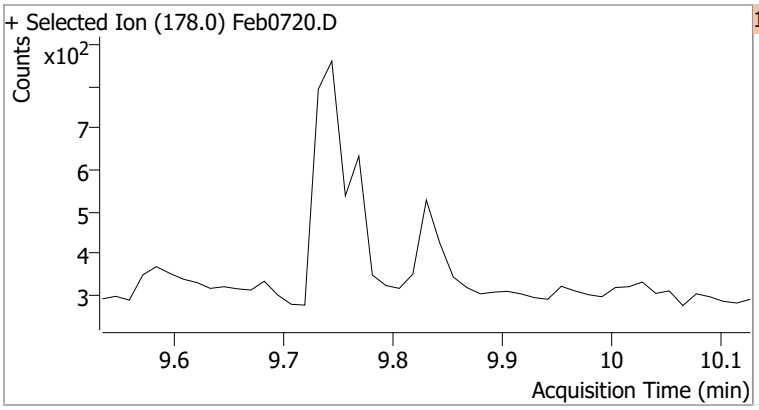


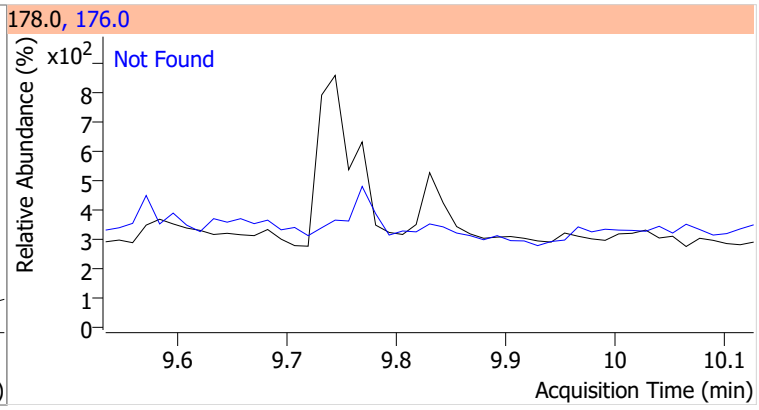
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.76	176.0	18.4



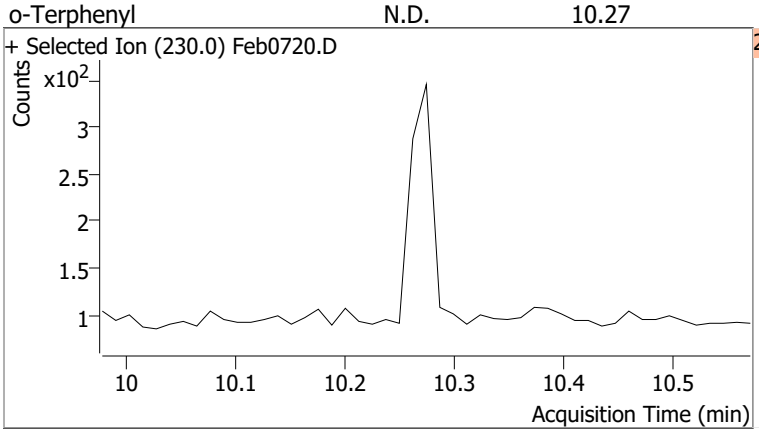


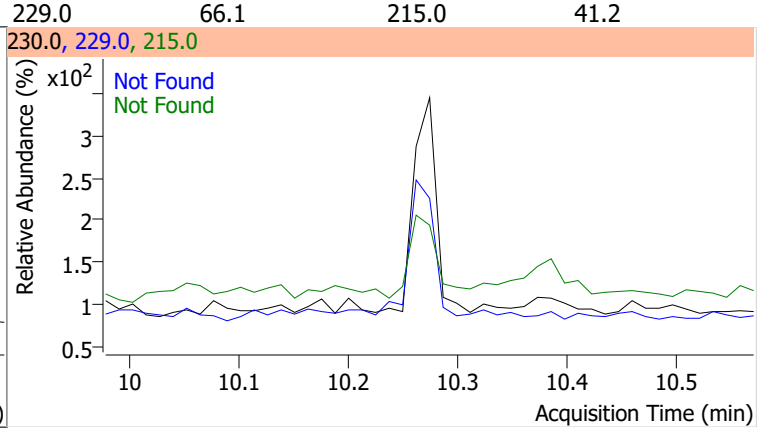
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.83	176.0	18.1



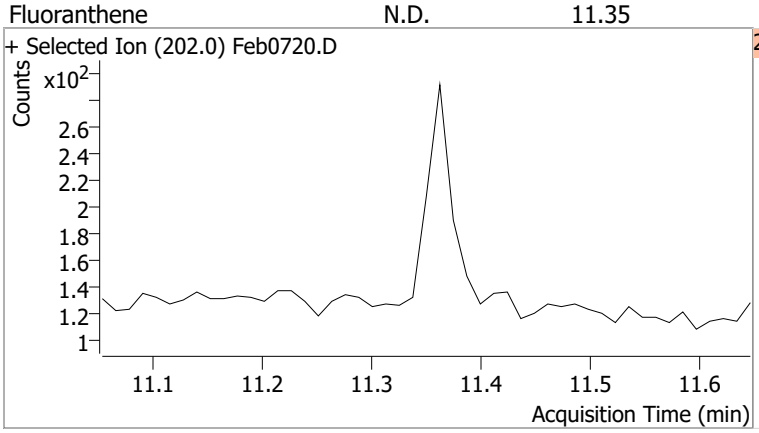


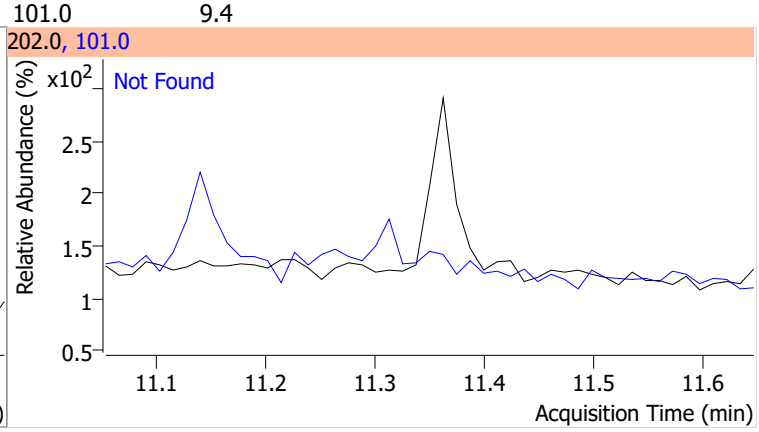
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.27	229.0	66.1	215.0	41.2



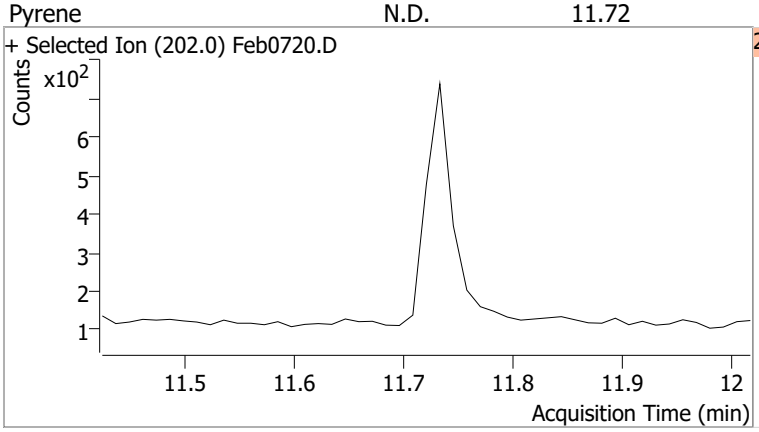


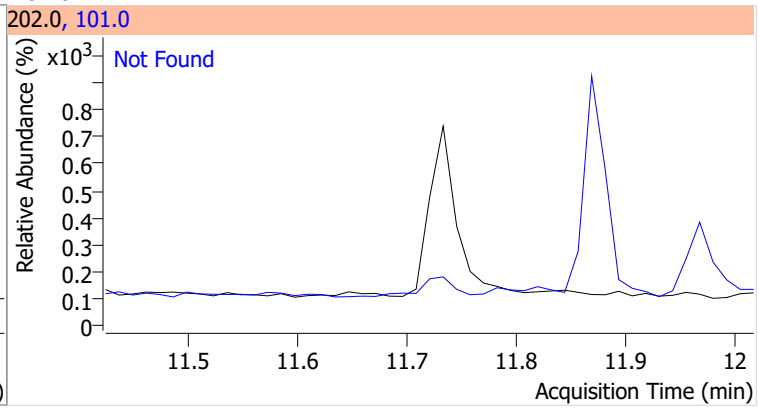
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.35	101.0	9.4



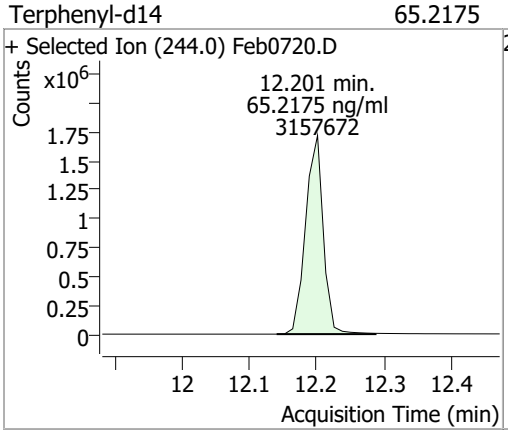


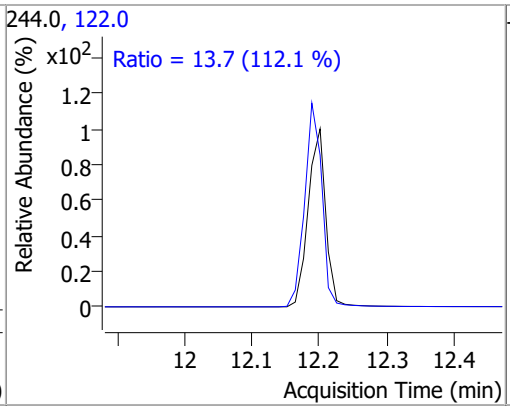
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.72	101.0	11.7

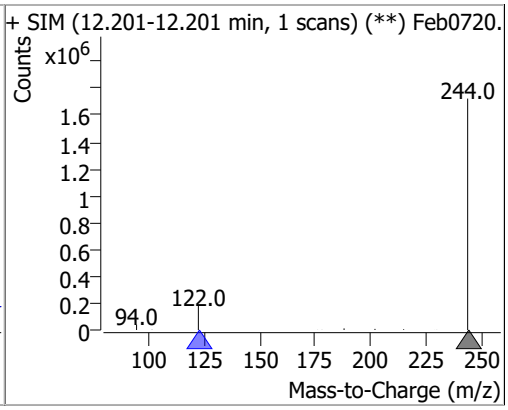




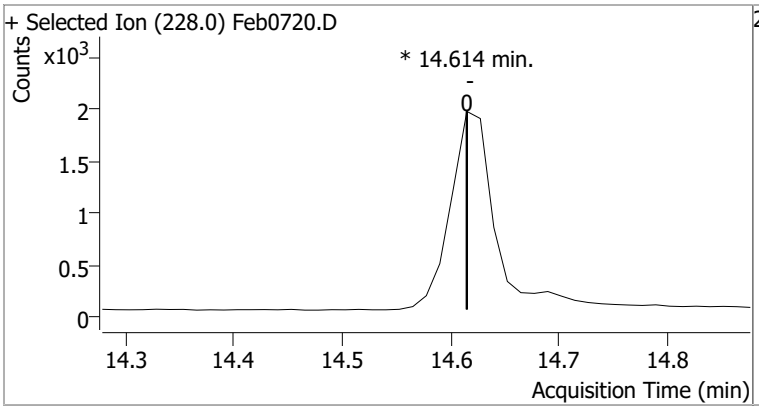
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	65.2175	12.20	0.02	3157672	122.0	13.7	8.6	15.9

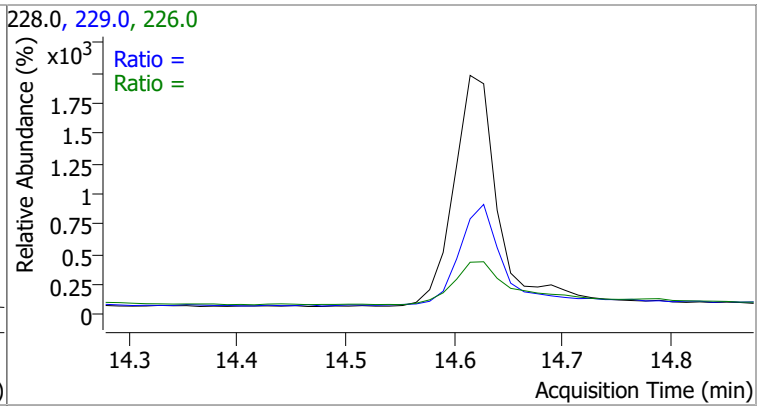




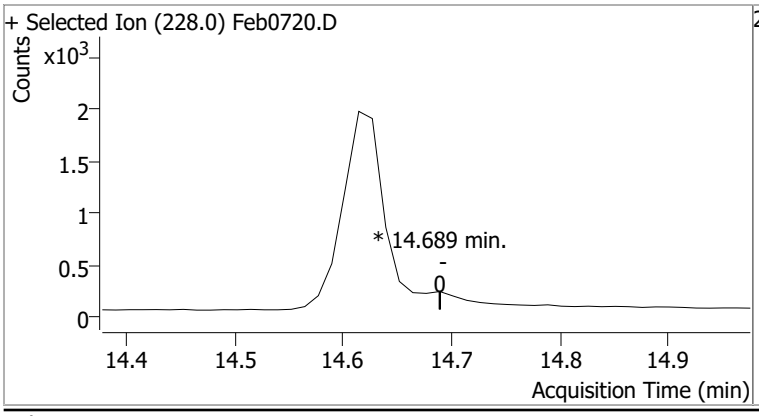


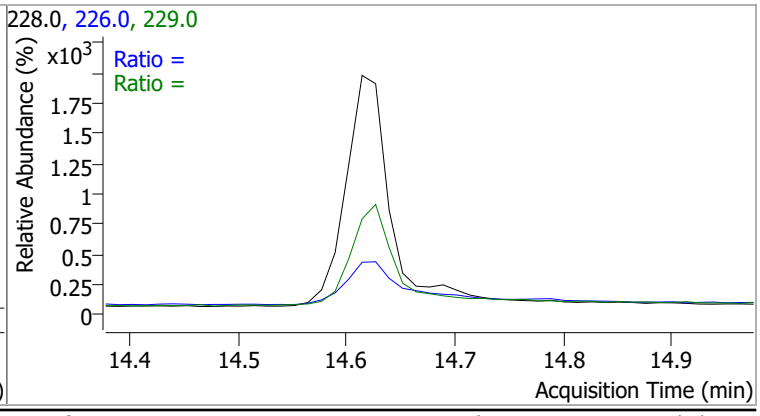
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



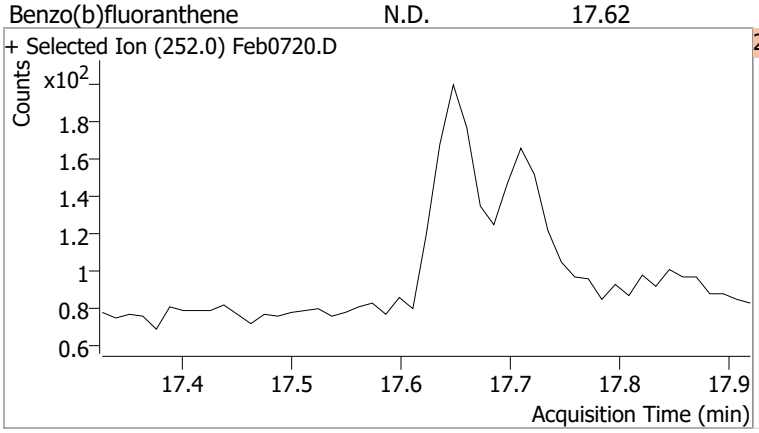


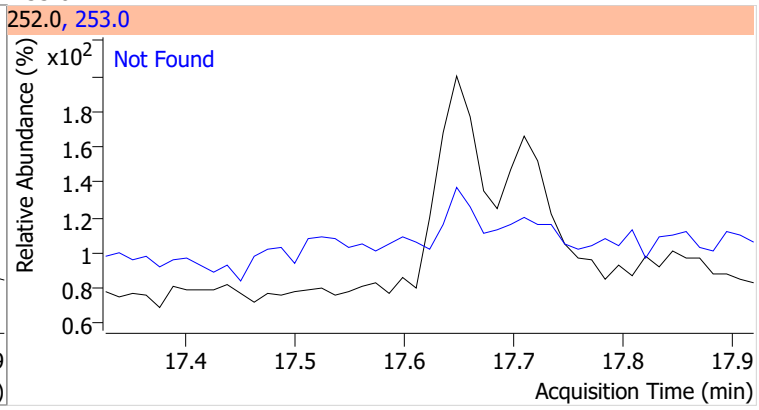
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



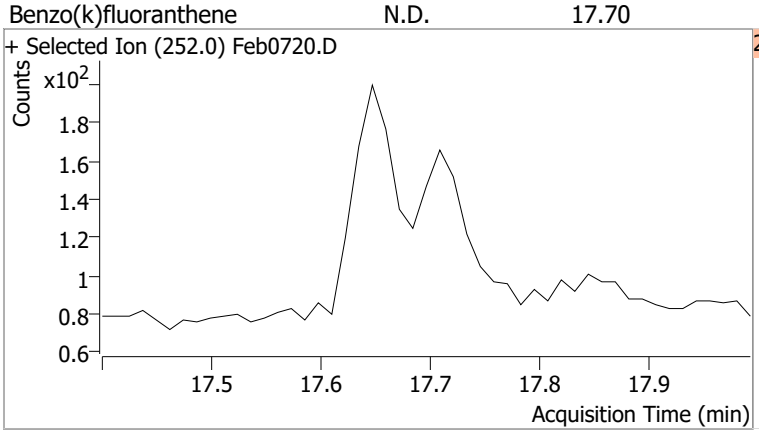


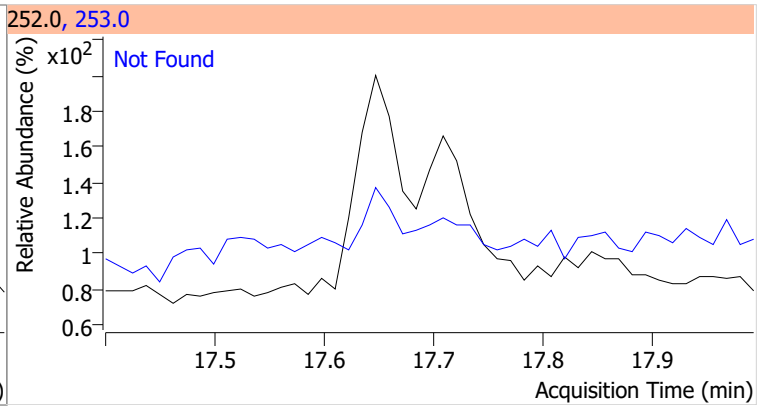
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.62	253.0	22.2



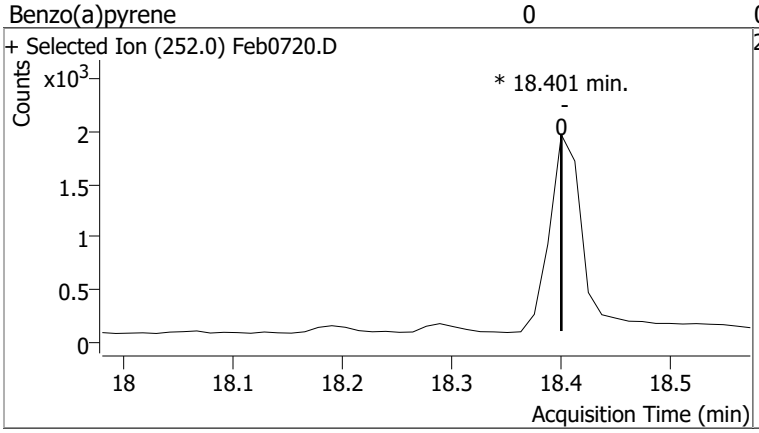


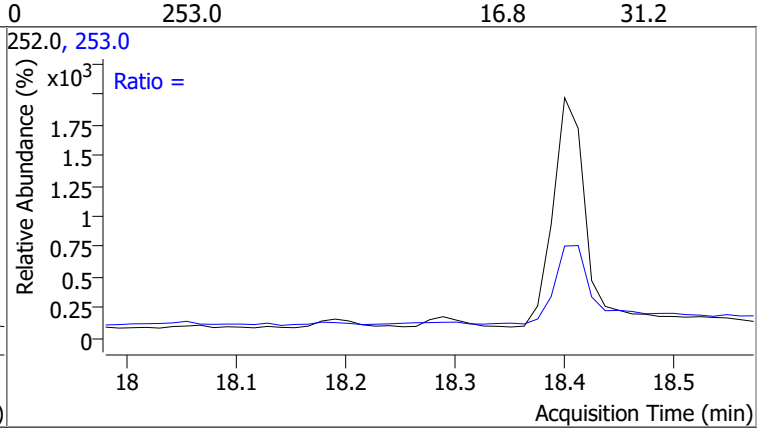
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.70	253.0	23.6



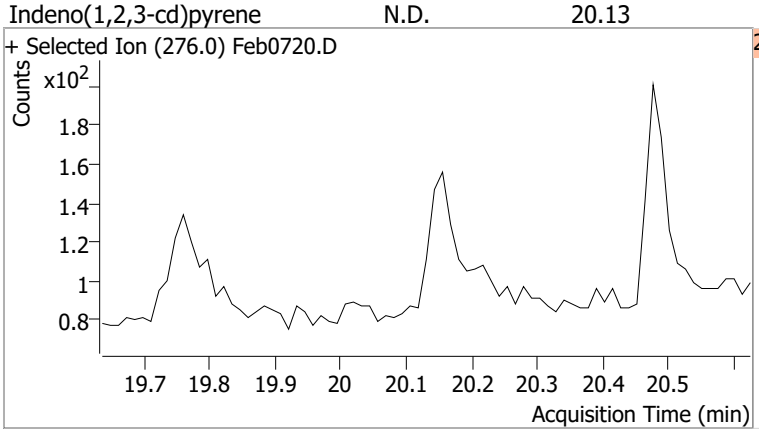


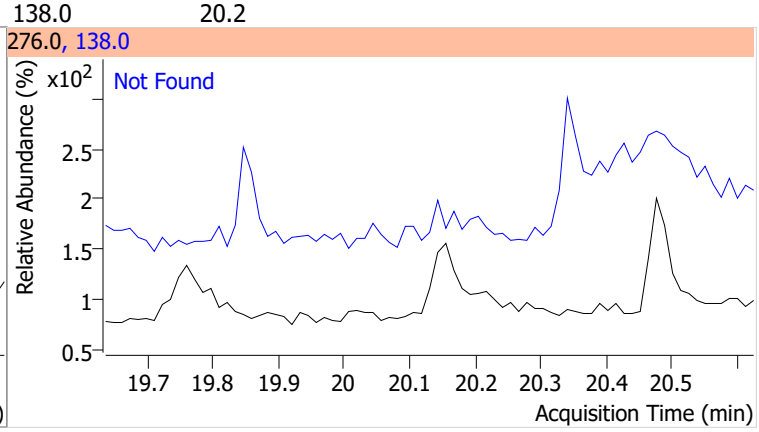
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



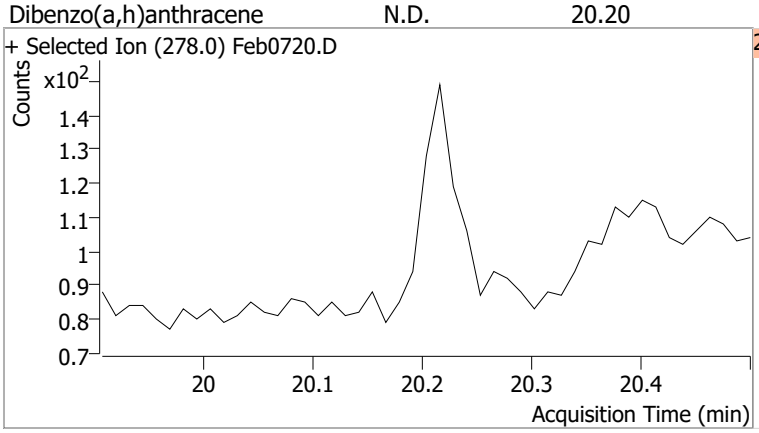


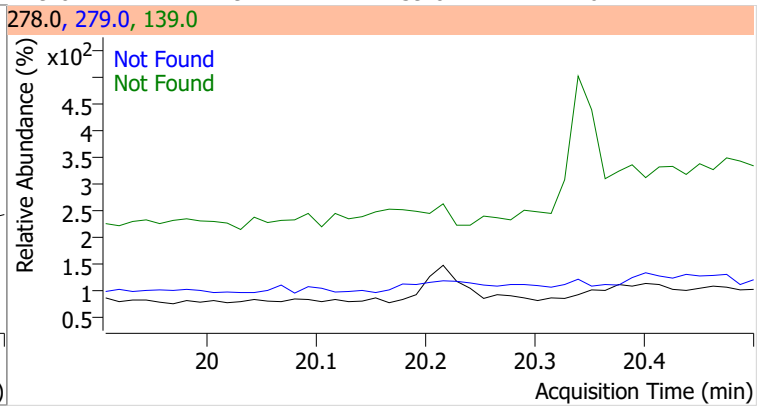
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.13	138.0	20.2



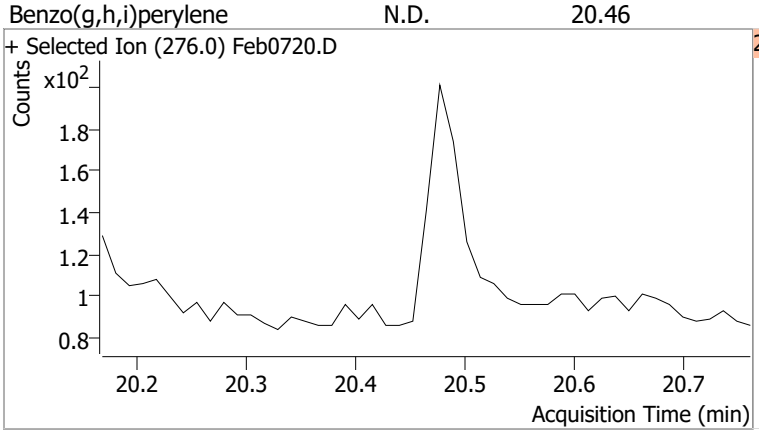


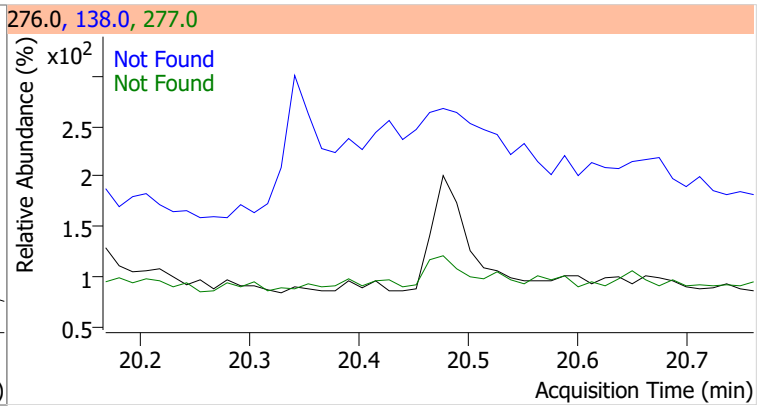
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.20	279.0	24.9	139.0	16.2





Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.46	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb0721.D	Operator	LIMS import
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Vial	21	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
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Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
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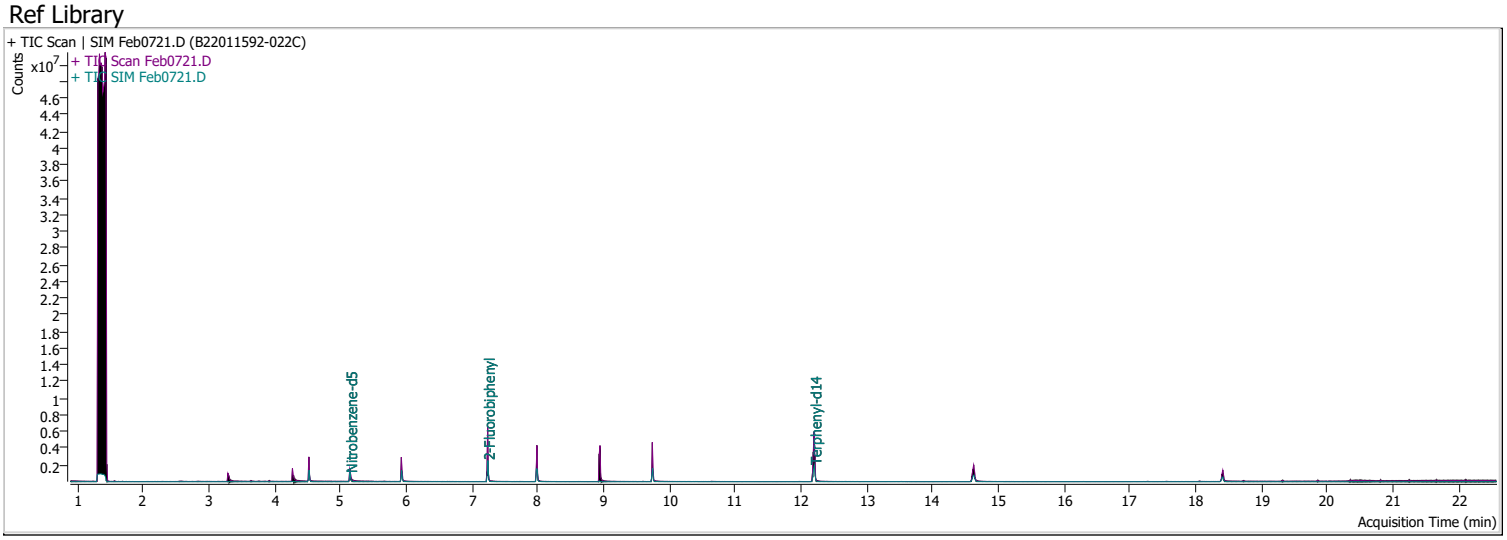
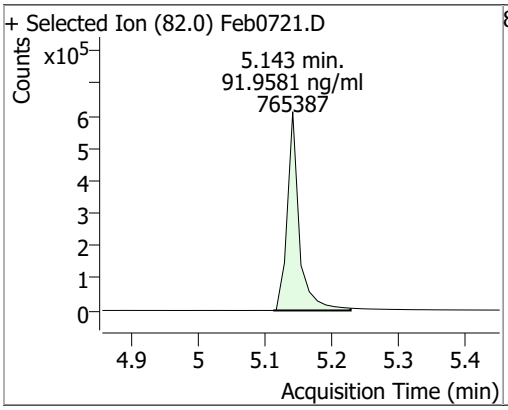


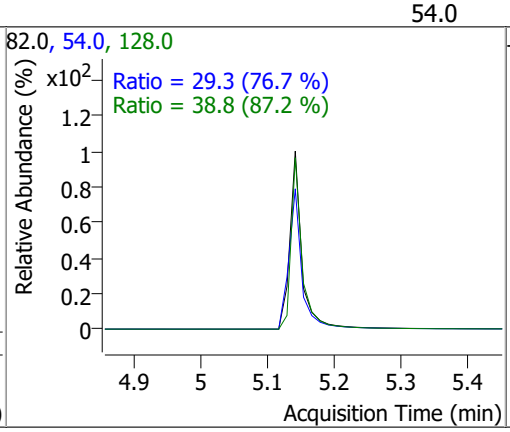
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	417522	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1458304	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.988	164.0	952542	40.0000	ng/ml		0.012
M Phenanthrene-d10	9.743	188.0	1785222	40.0000	ng/ml		0.012
M Chrysene-d12	14.627	240.0	1415008	40.0000	ng/ml		0.012
M Perylene-d12	18.400	264.0	823099	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	765387	91.9581	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1839.16%		*	
S 2-Fluorobiphenyl	7.239	172.0	1929338	73.3006	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1466.01%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.201	244.0	3067168	65.4690	ng/ml		0.025
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1309.38%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.000	154.0	0		ng/ml	md	1
T Fluorene	8.935	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.614	228.0	0		ng/ml	md	1
T Chrysene	14.614	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

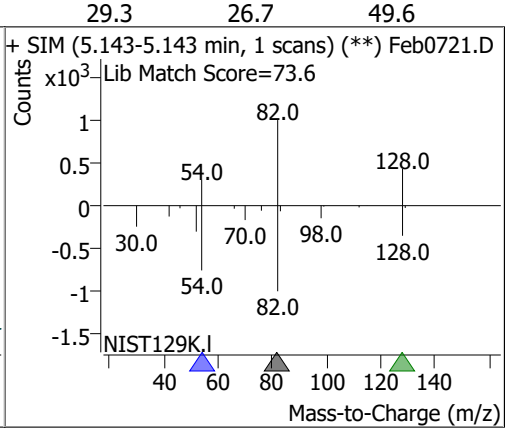
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.400	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

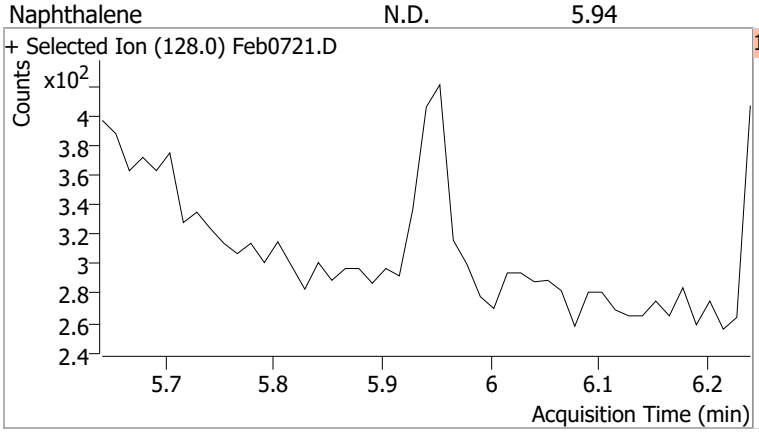
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	91.9581	5.14	-0.01	765387	128.0	38.8	31.2	57.9
					54.0	29.3	26.7	49.6

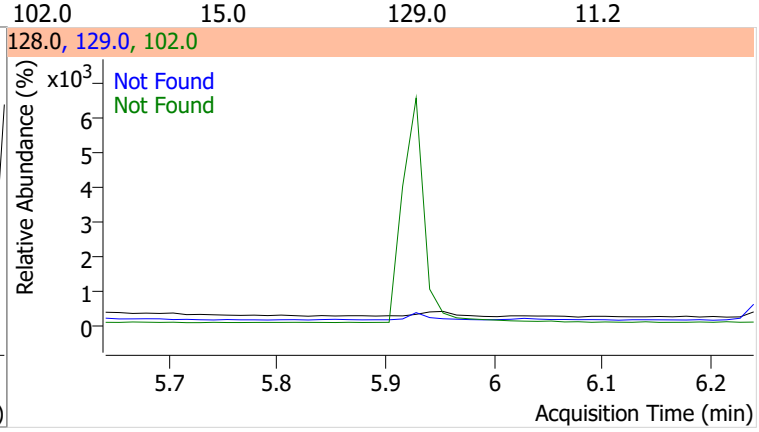




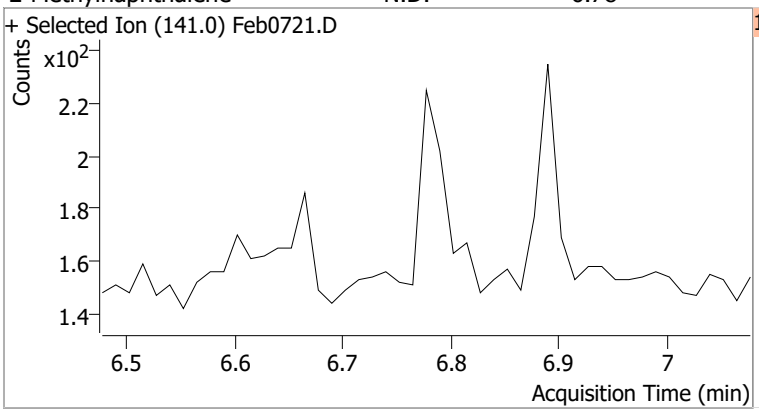


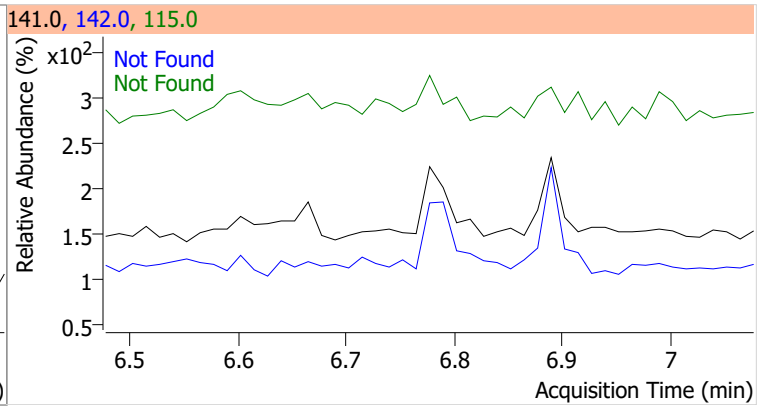
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.94	102.0	15.0	129.0	11.2



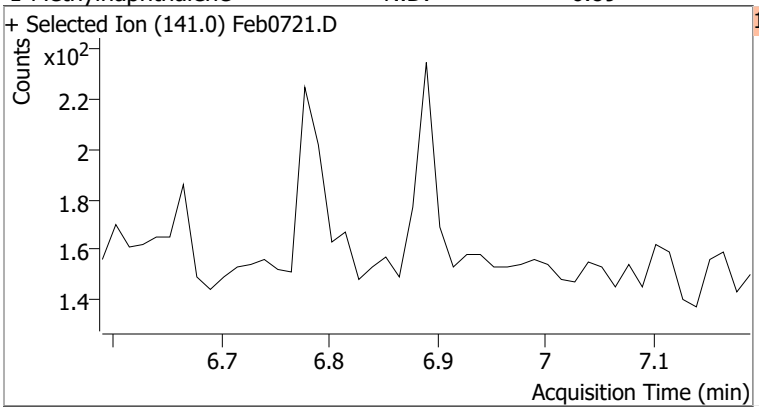


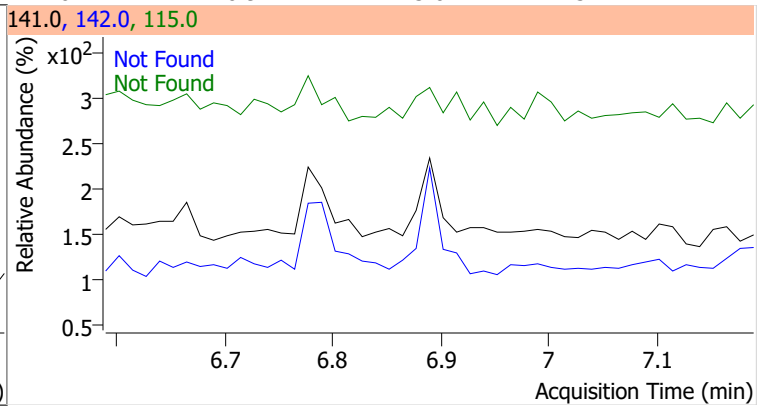
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.78	142.0	135.7	115.0	47.1





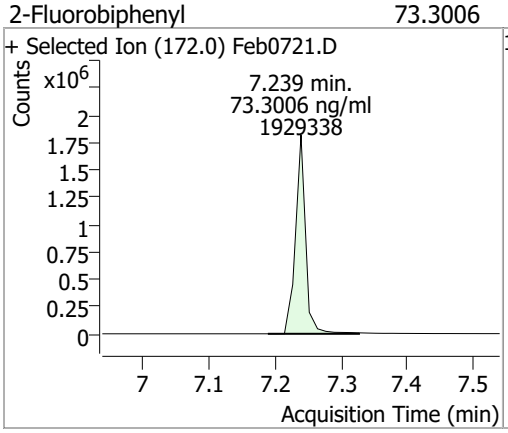
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.89	142.0	110.9	115.0	52.2

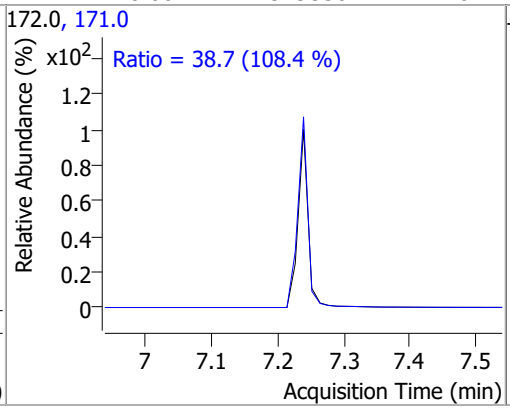


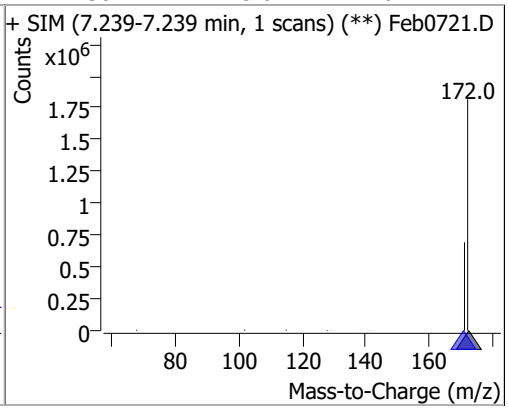


Quantitation Results Report (QT Reviewed)

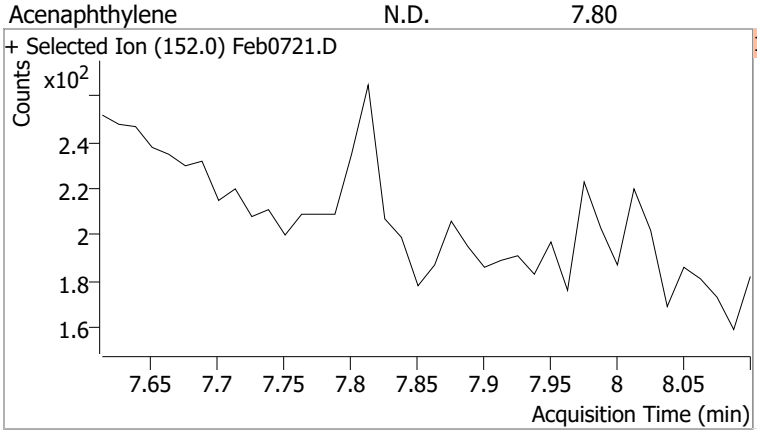
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	73.3006	7.24	0.00	1929338	171.0	38.7	25.0	46.4

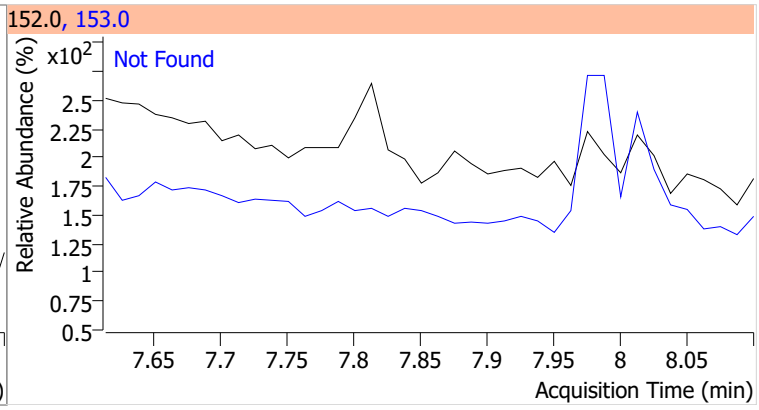




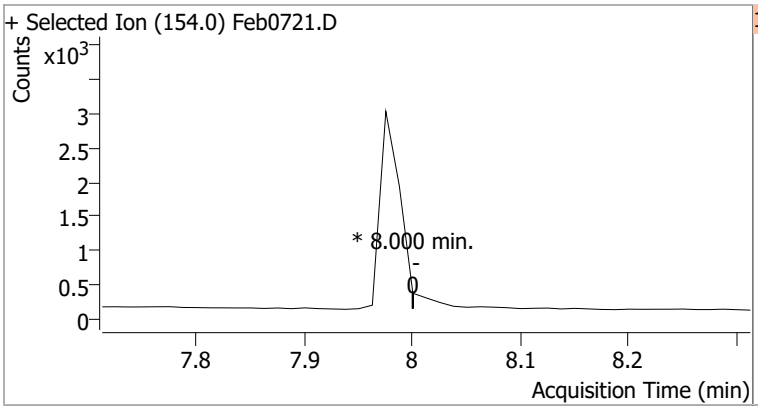


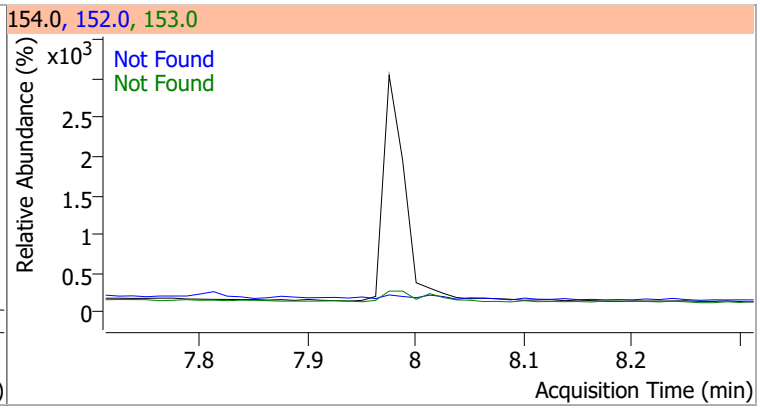
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.80	153.0	17.6



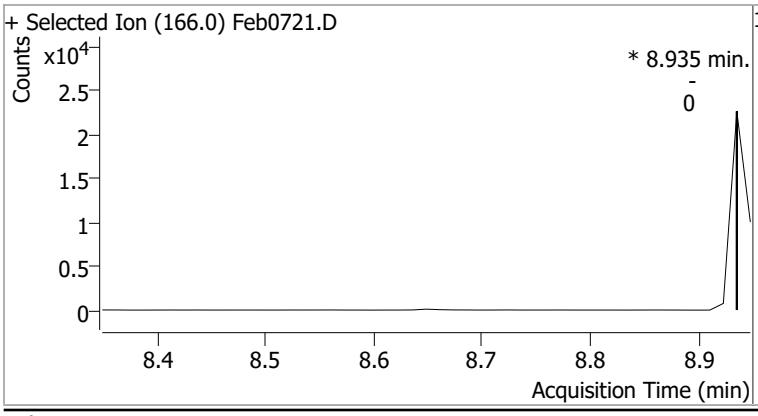


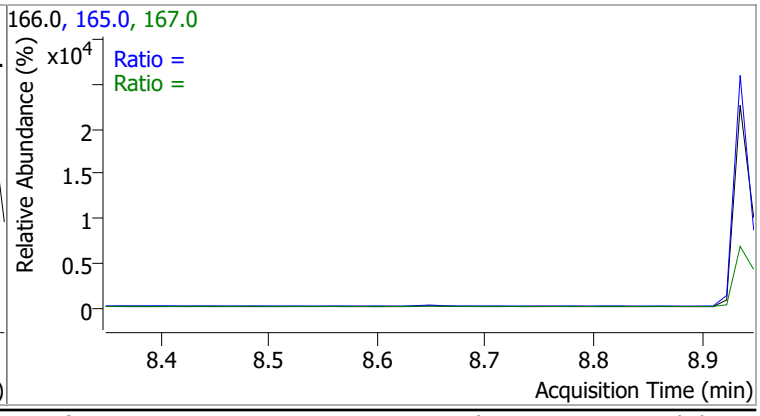
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



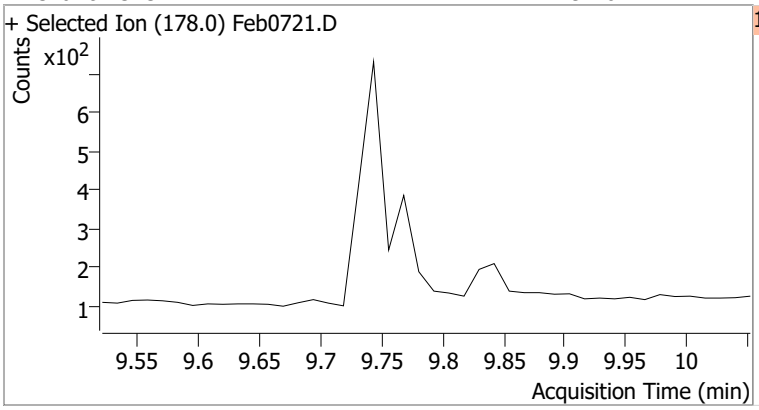


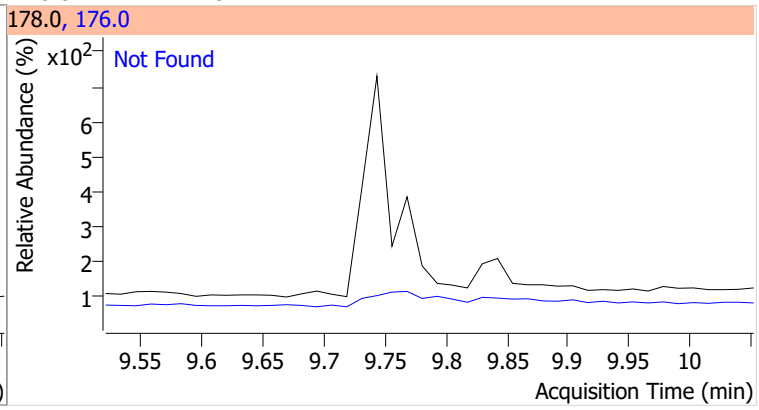
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



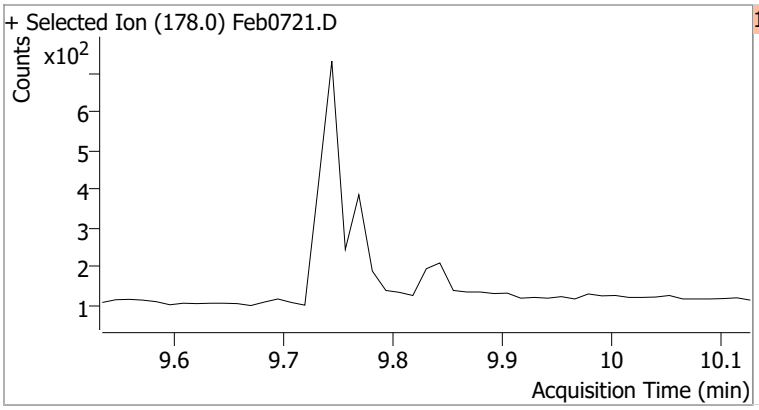


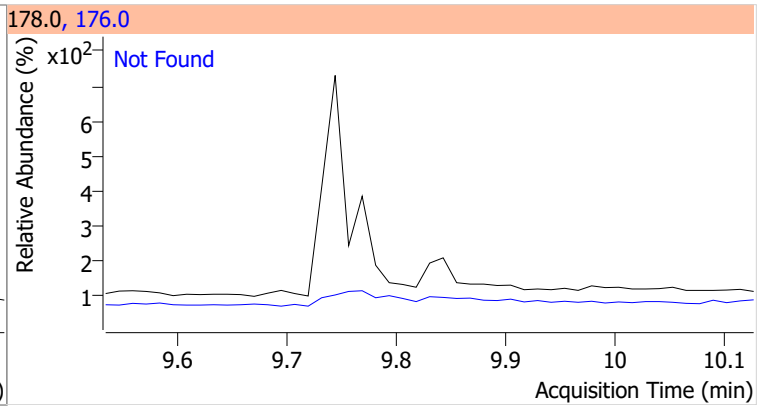
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.76	176.0	18.4



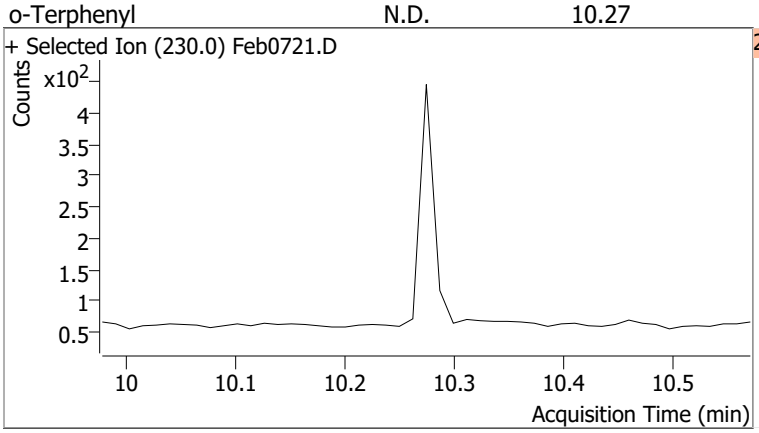


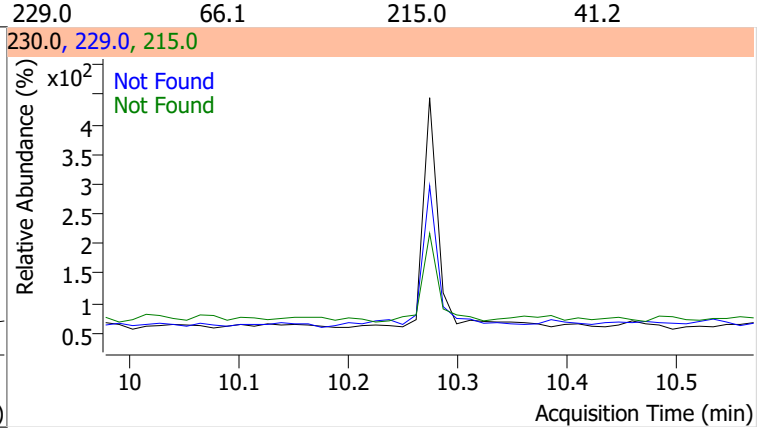
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.83	176.0	18.1



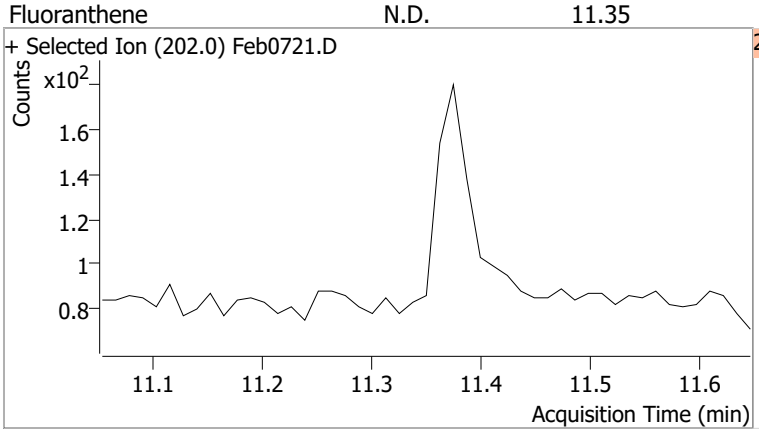


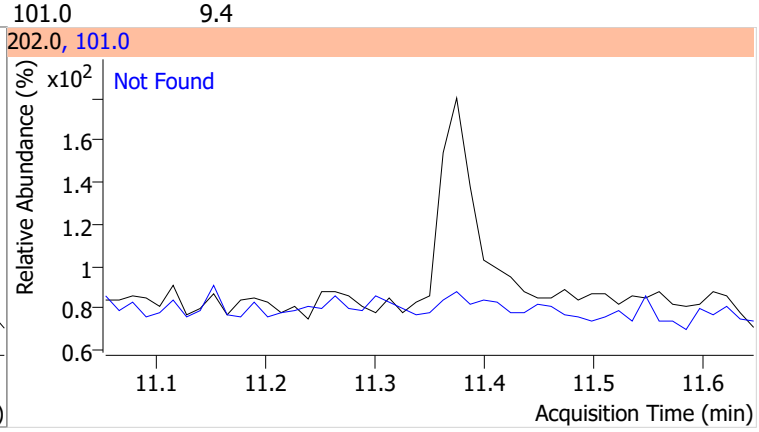
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.27	229.0	66.1	215.0	41.2



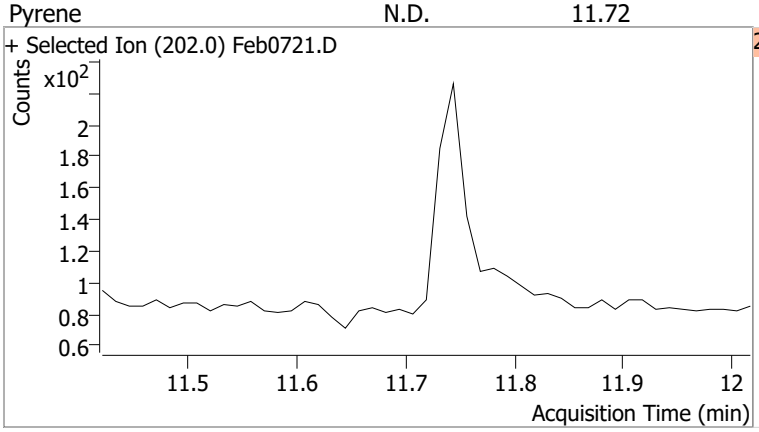


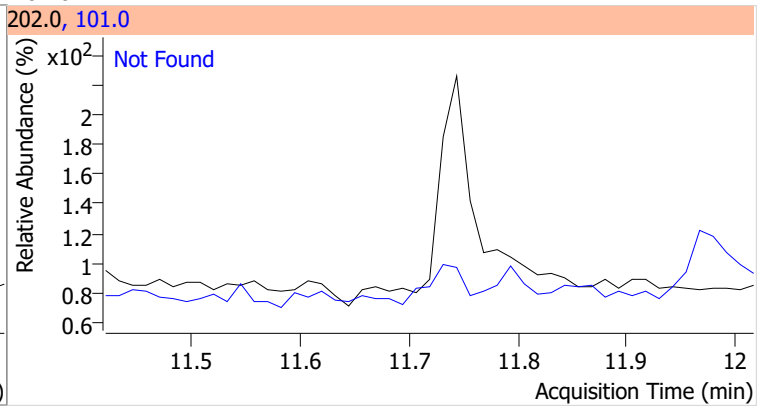
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.35	101.0	9.4



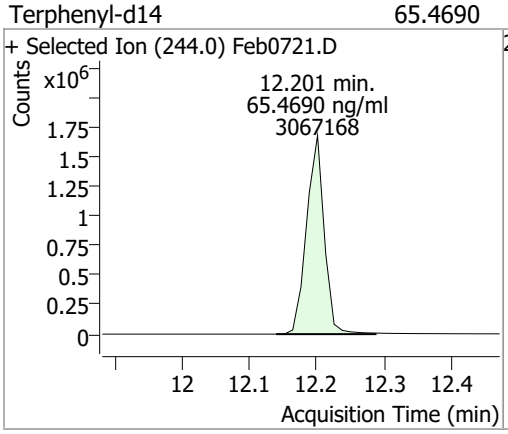


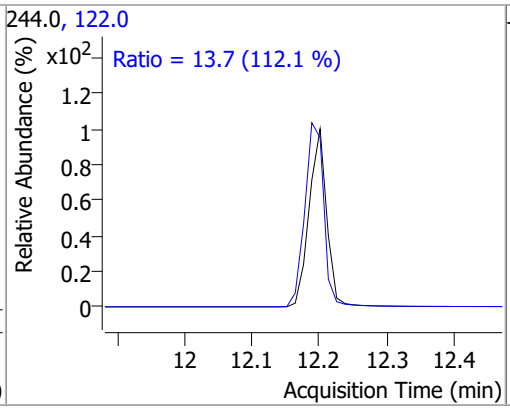
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.72	101.0	11.7

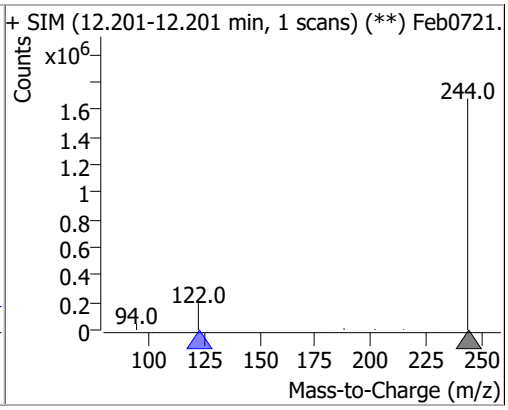




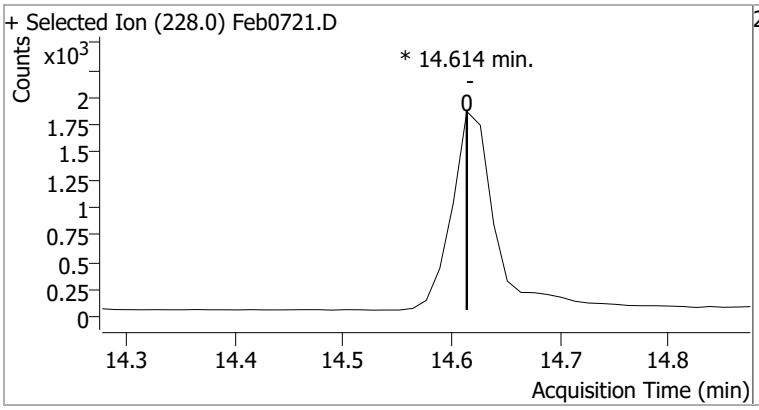
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	65.4690	12.20	0.02	3067168	122.0	13.7	8.6	15.9

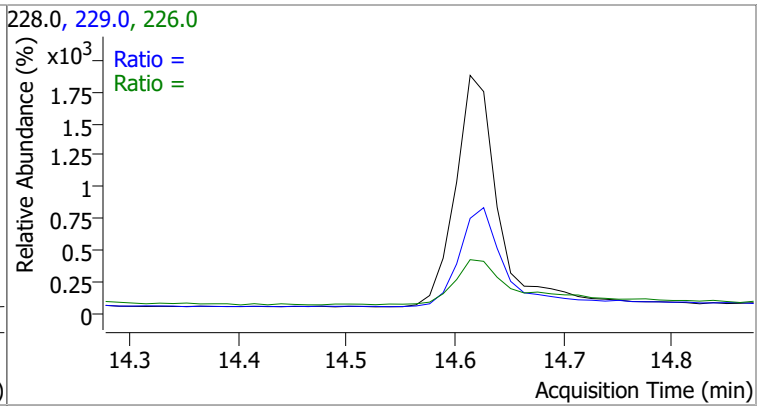




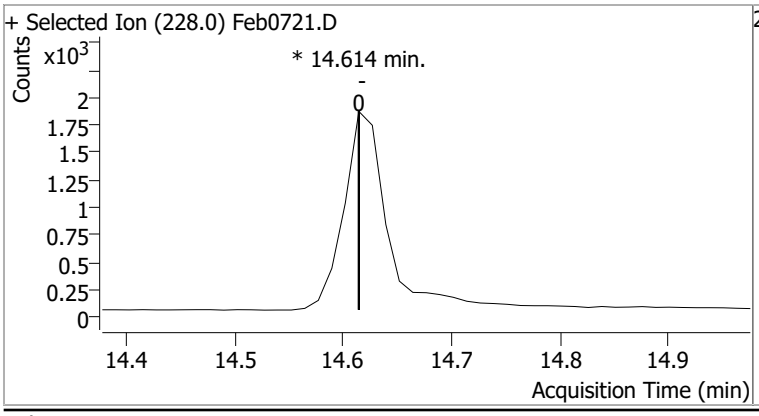


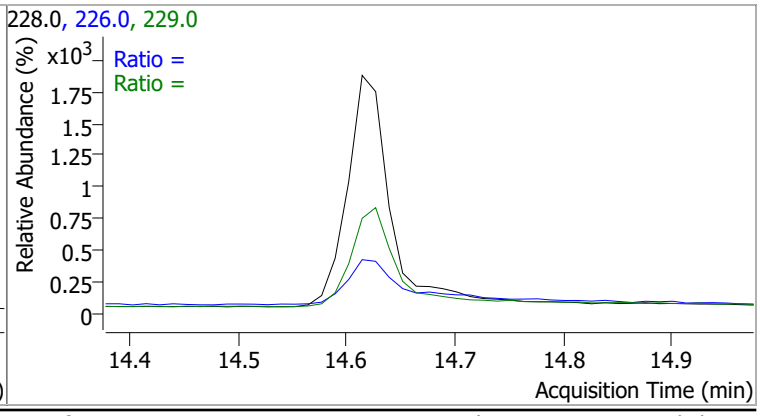
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



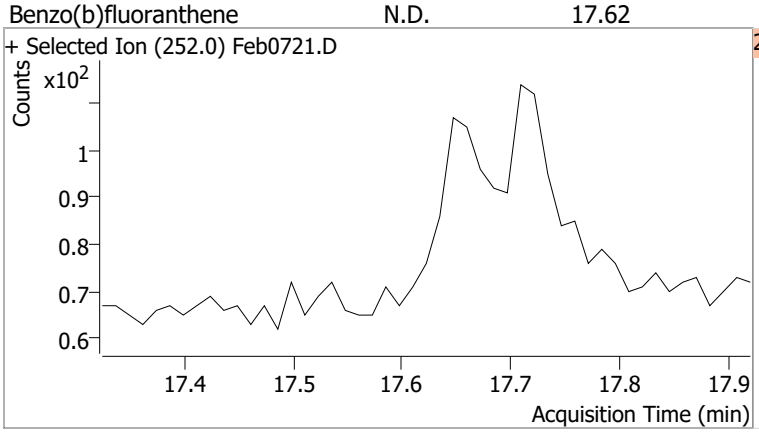


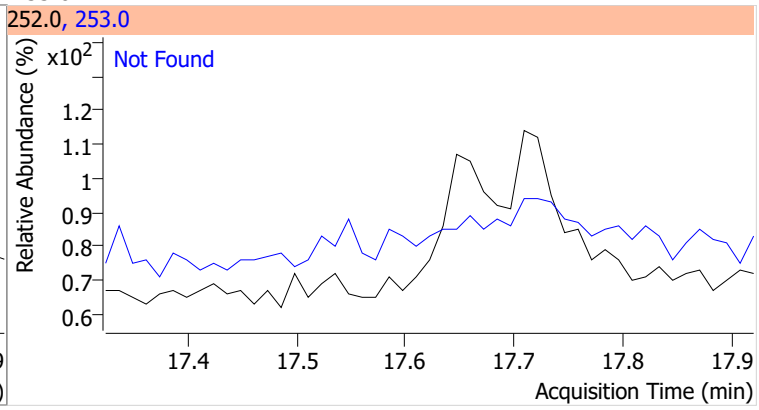
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



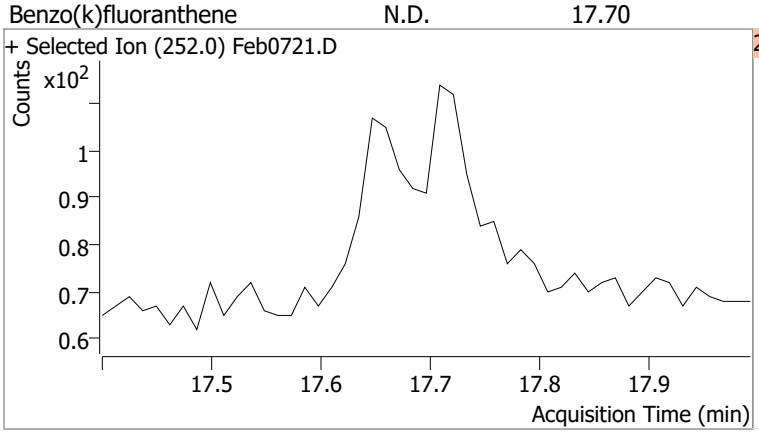


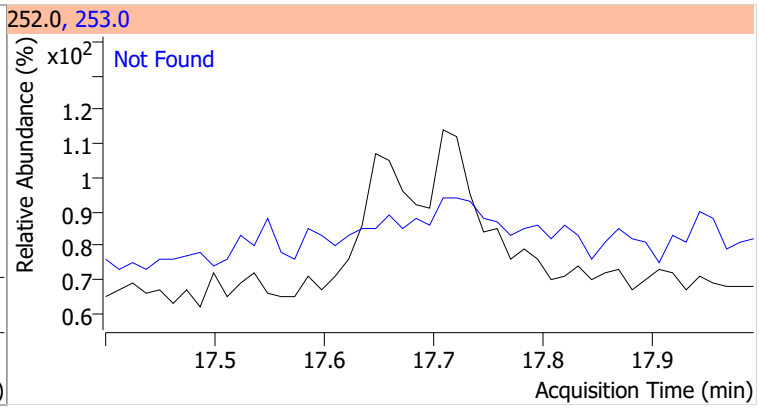
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.62	253.0	22.2



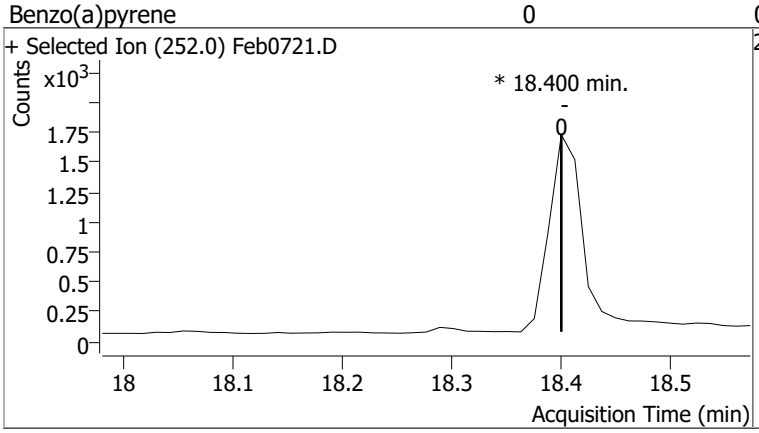


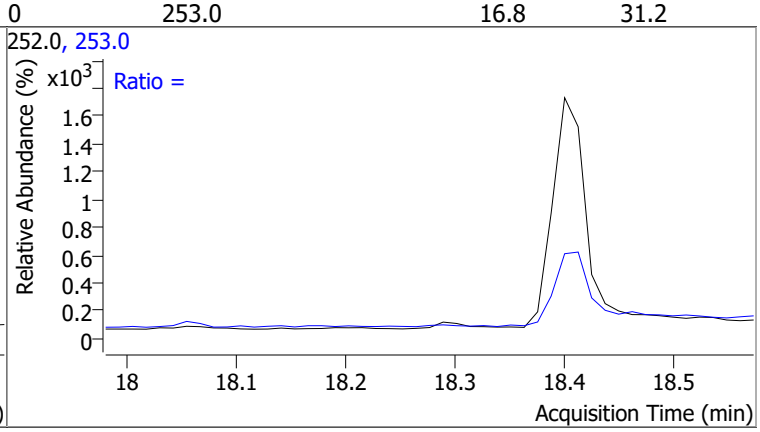
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.70	253.0	23.6



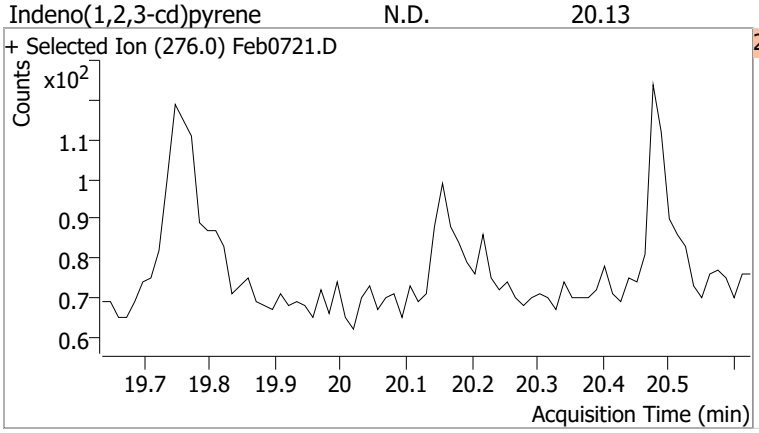


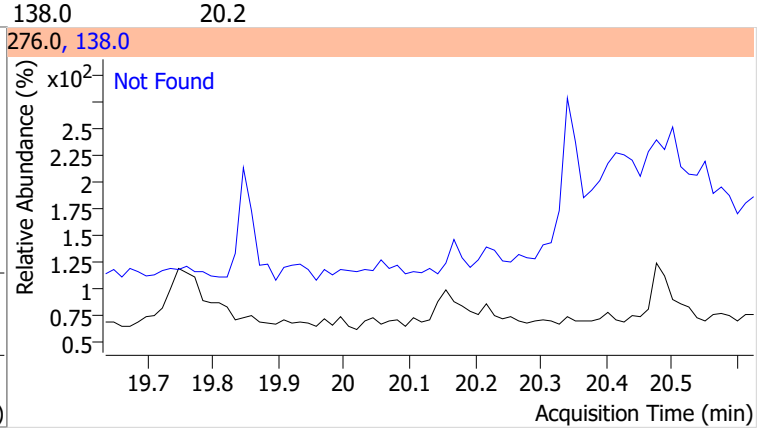
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



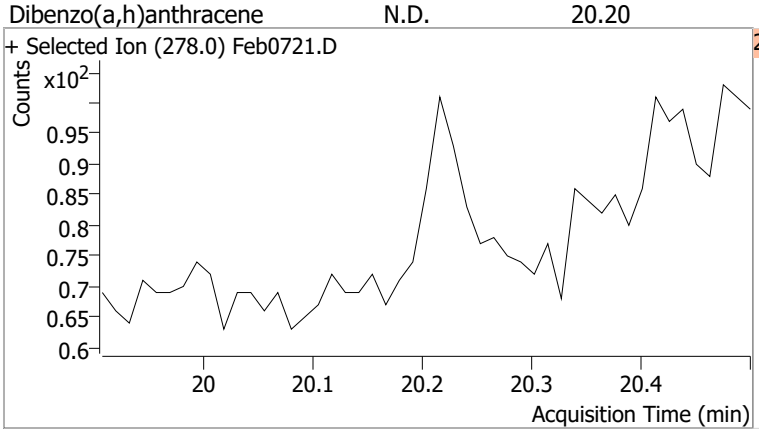


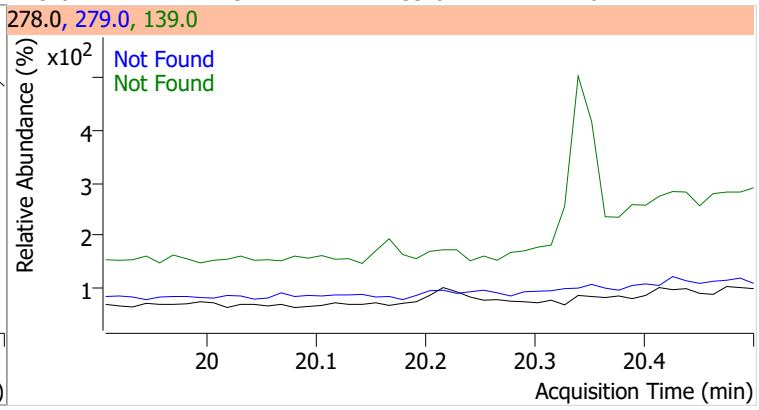
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.13	138.0	20.2



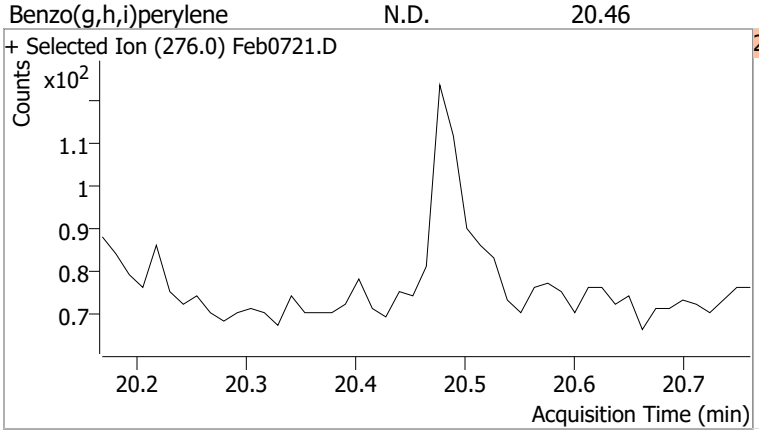


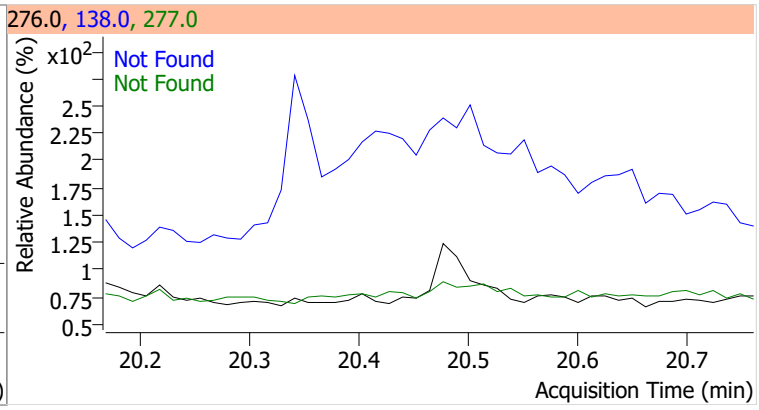
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.20	279.0	24.9	139.0	16.2





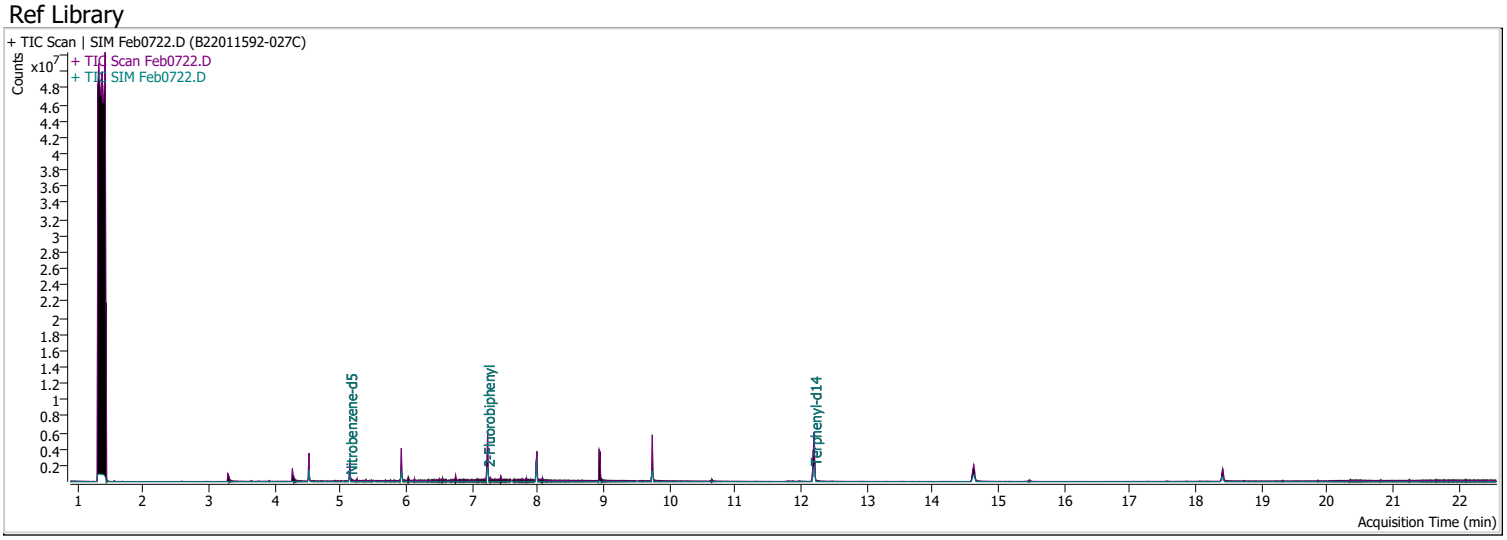
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.46	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb0722.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/8/2022 2:32:14 AM
Sample Name	B22011592-027C	Instrument	GCMS
Vial	22	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

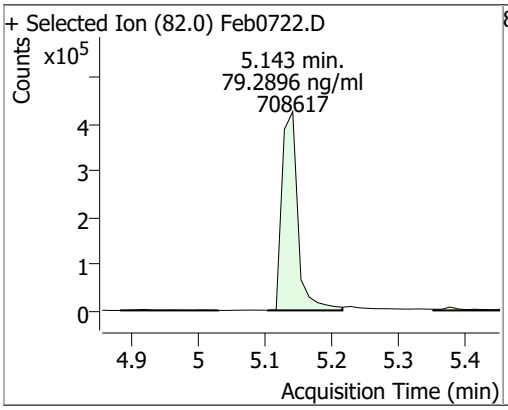


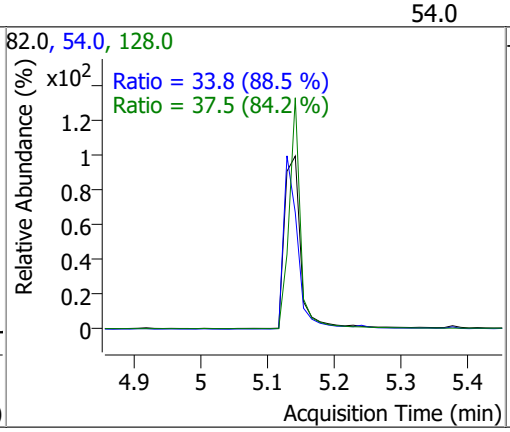
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	448315	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1458196	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.976	164.0	961539	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	1813221	40.0000	ng/ml		0.012
M Chrysene-d12	14.627	240.0	1513008	40.0000	ng/ml		0.012
M Perylene-d12	18.400	264.0	896268	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	708617	79.2896	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1585.79%		*	
S 2-Fluorobiphenyl	7.239	172.0	1833907	68.4542	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1369.08%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.201	244.0	3006545	61.4913	ng/ml		0.025
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1229.83%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	6.752	141.0	0		ng/ml	md	1
T 1-Methylnaphthalene	6.752	141.0	0		ng/ml	md	1
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	7.988	154.0	0		ng/ml	md	1
T Fluorene	8.935	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.627	228.0	0		ng/ml	md	1
T Chrysene	14.627	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

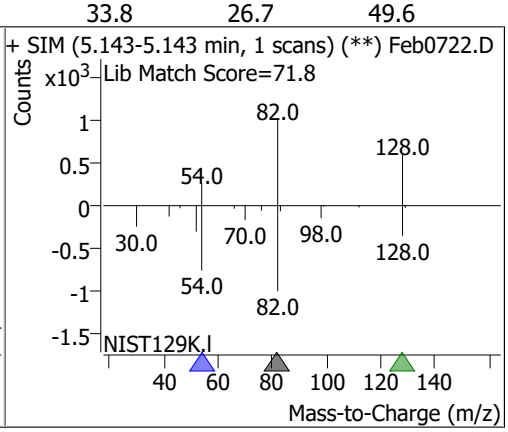
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.289	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

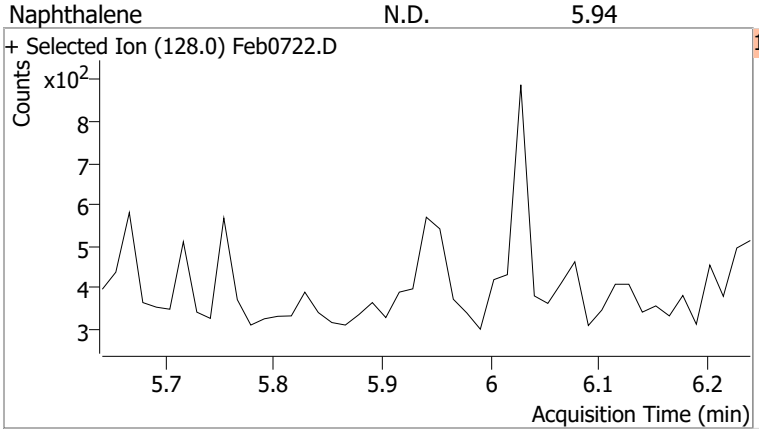
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	79.2896	5.14	-0.01	708617	128.0	37.5	31.2	57.9
					54.0	33.8	26.7	49.6

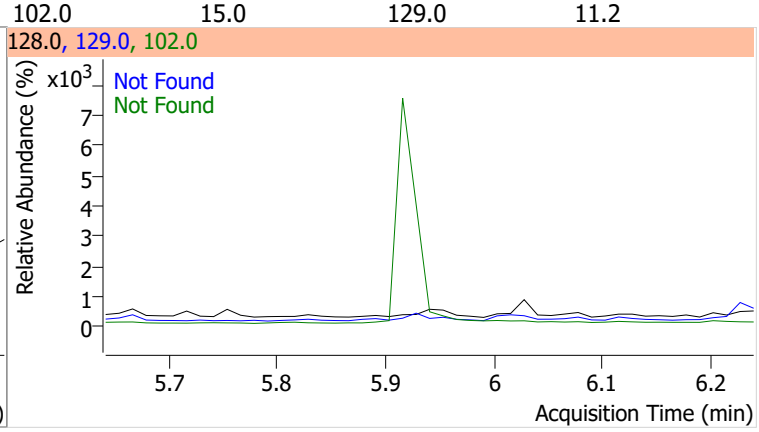




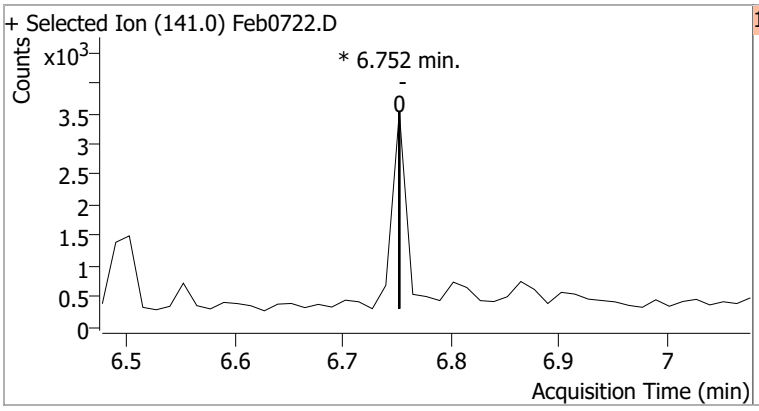


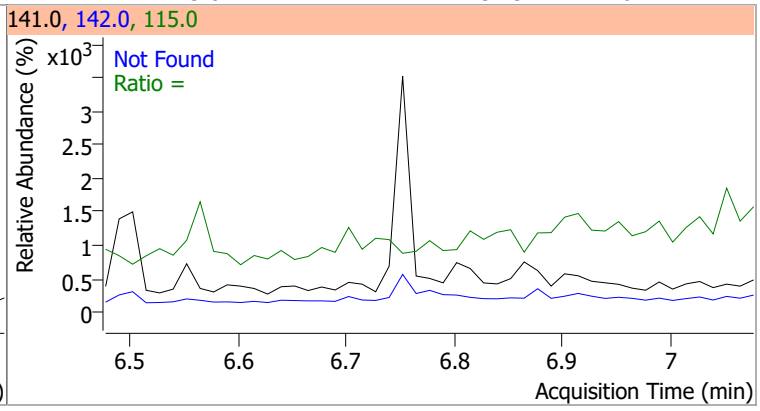
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.94	102.0	15.0	129.0	11.2



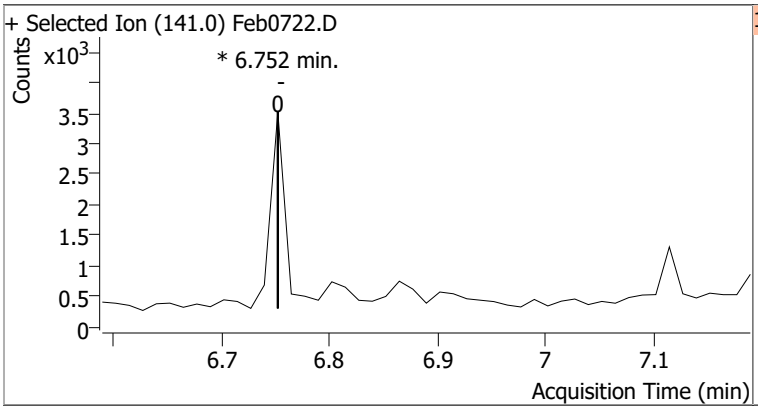


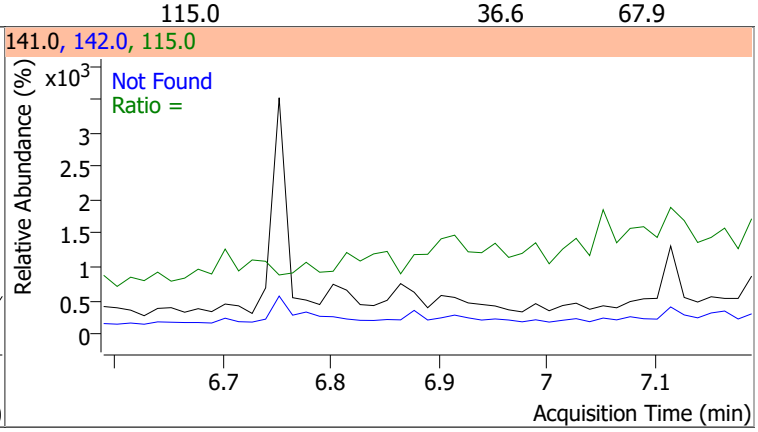
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene		0		0	142.0		95.0	176.4
					115.0		32.9	61.2



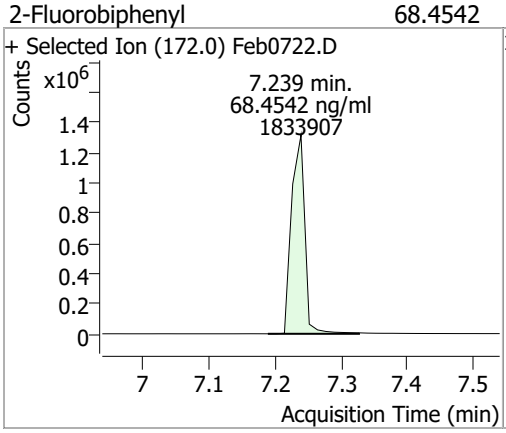


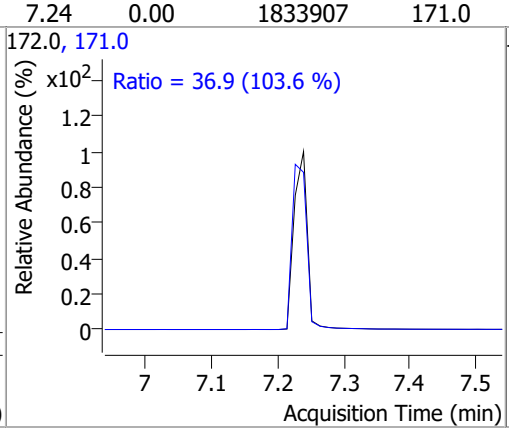
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene		0		0	142.0		77.7	144.2
					115.0		36.6	67.9

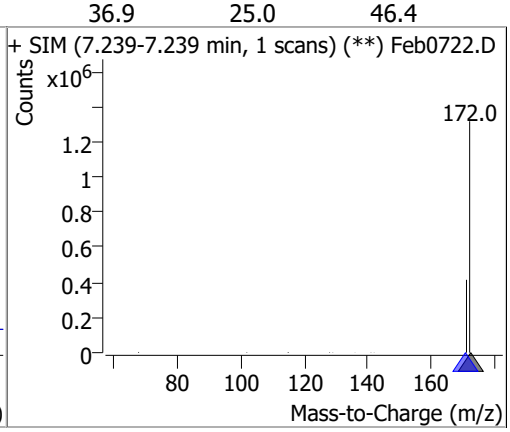




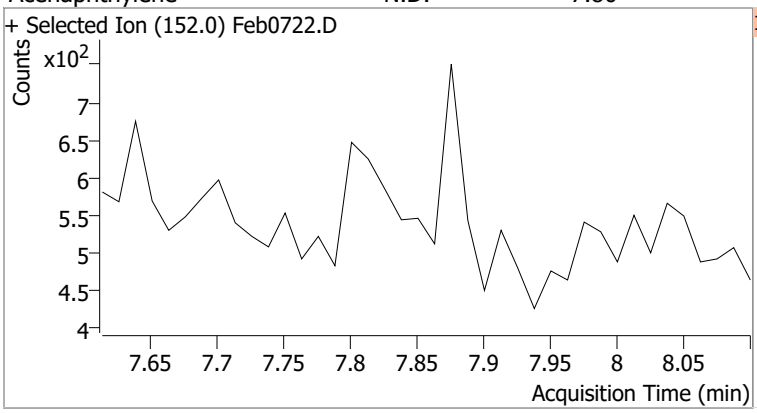
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	68.4542	7.24	0.00	1833907	171.0	36.9	25.0	46.4

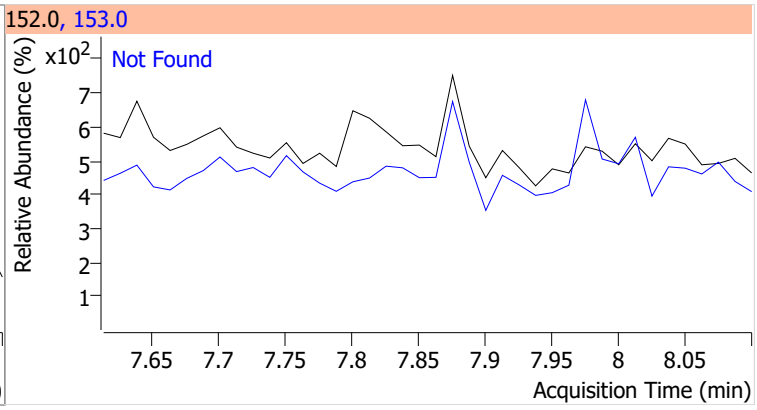




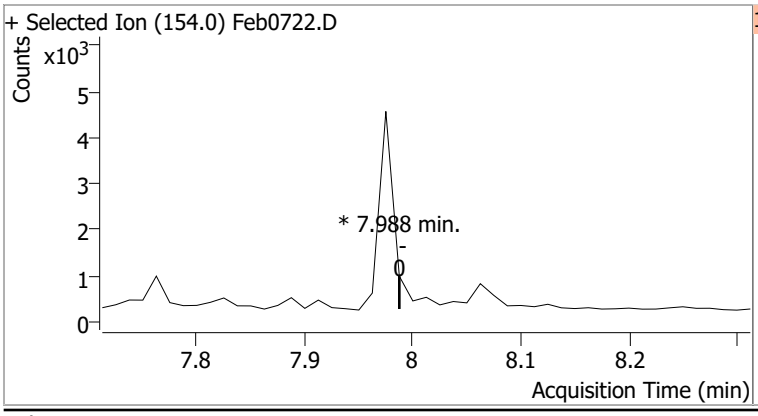


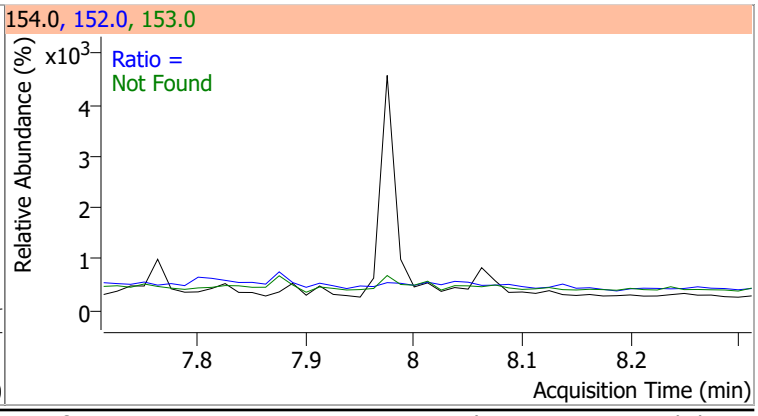
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.80	153.0	17.6



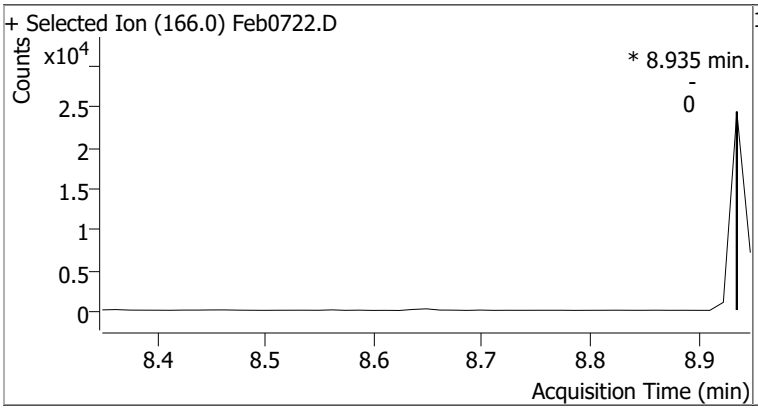


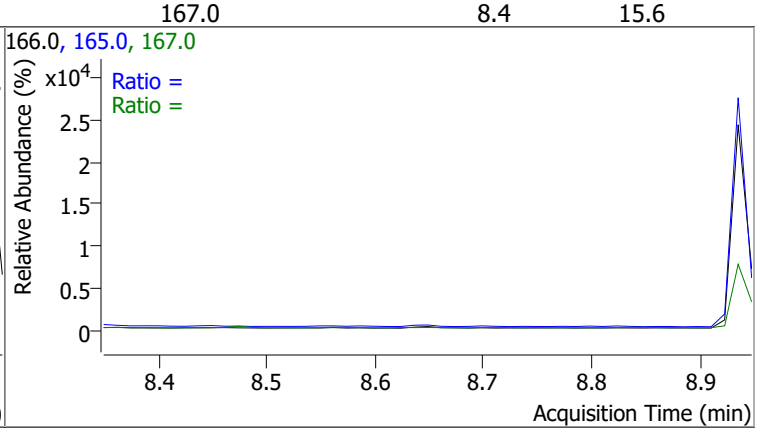
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



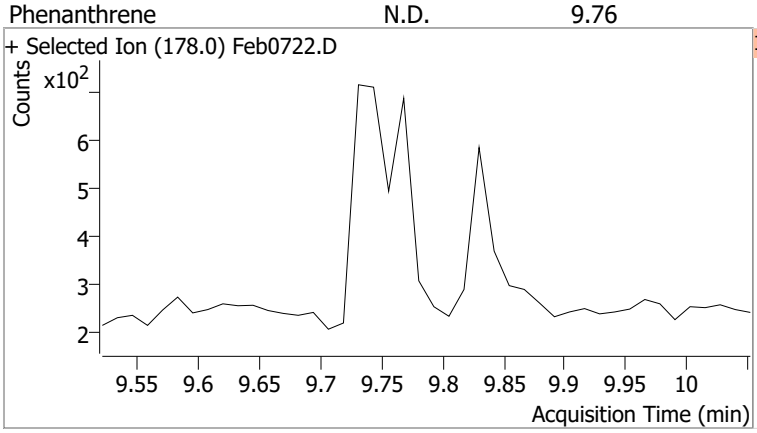


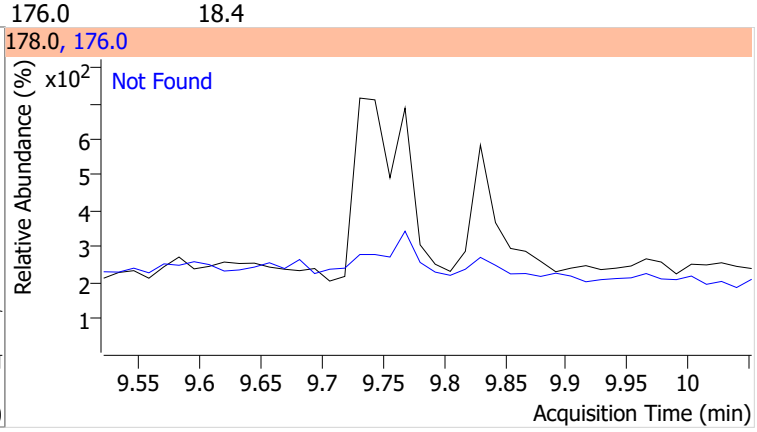
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



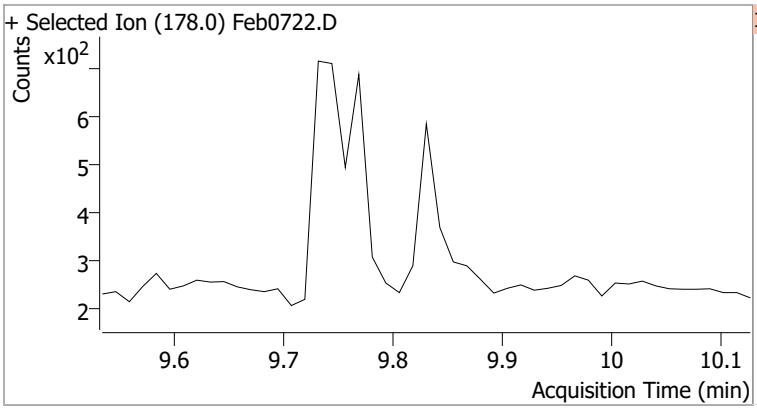


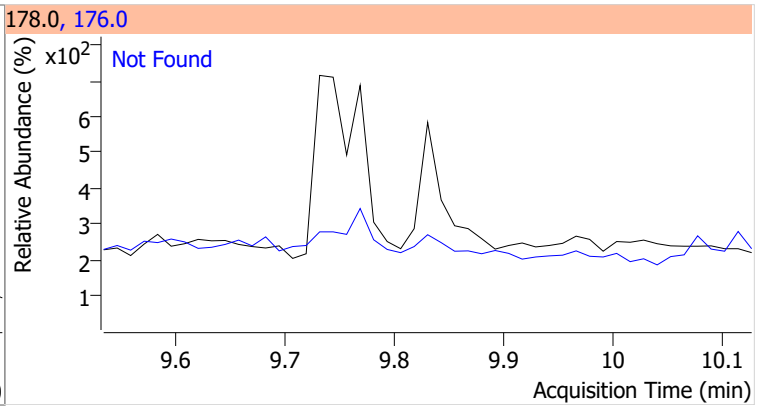
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.76	176.0	18.4



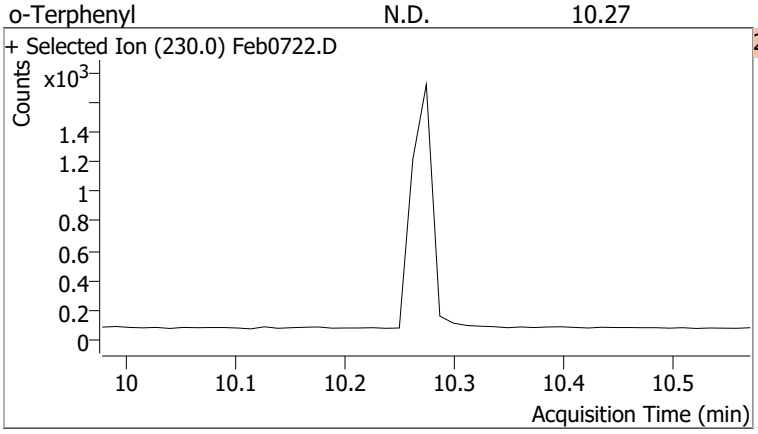


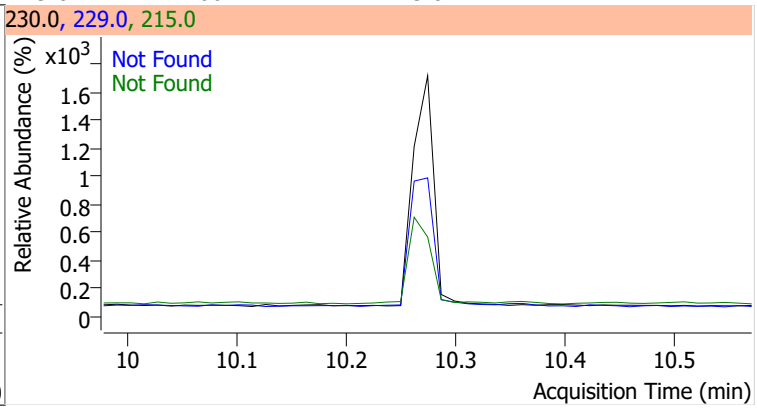
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.83	176.0	18.1



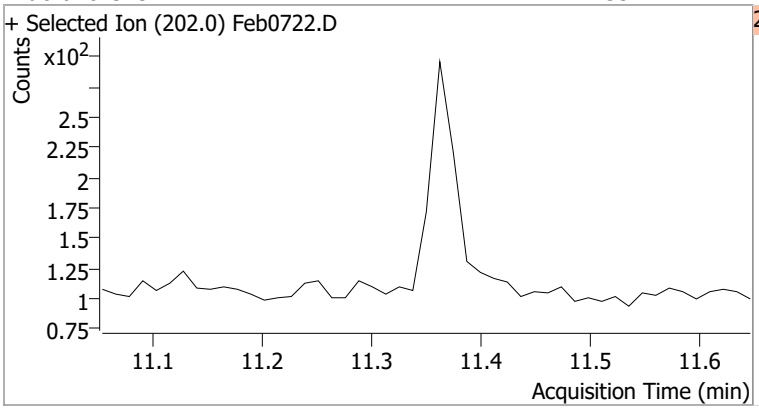


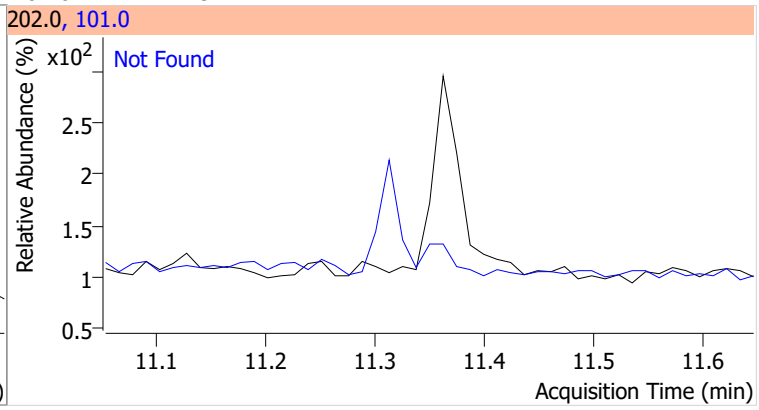
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.27	229.0	66.1	215.0	41.2



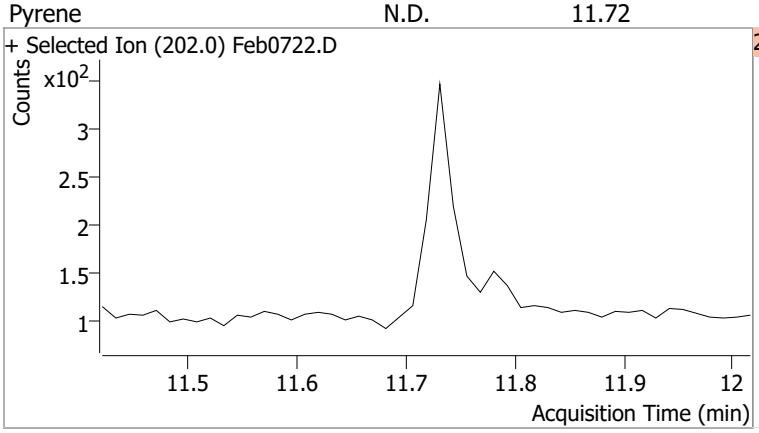


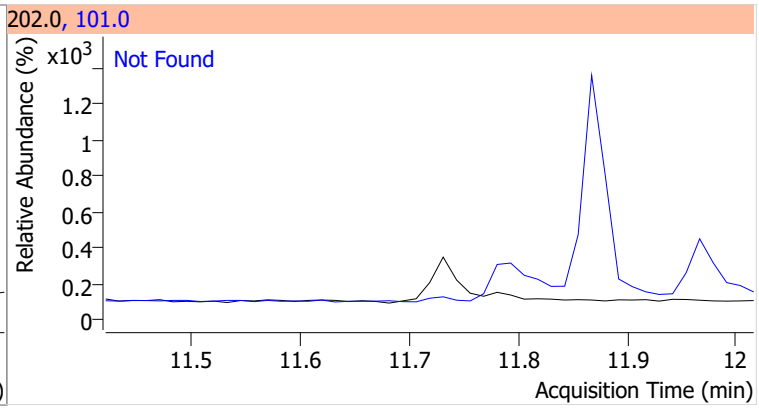
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.35	101.0	9.4



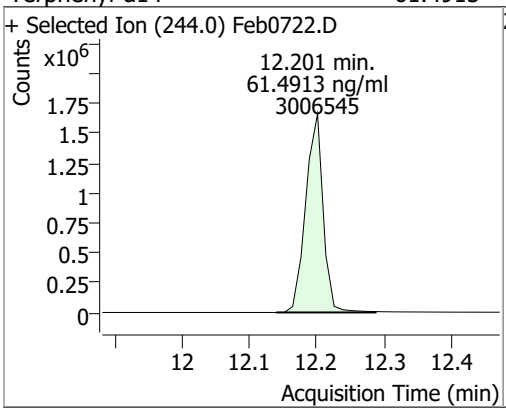


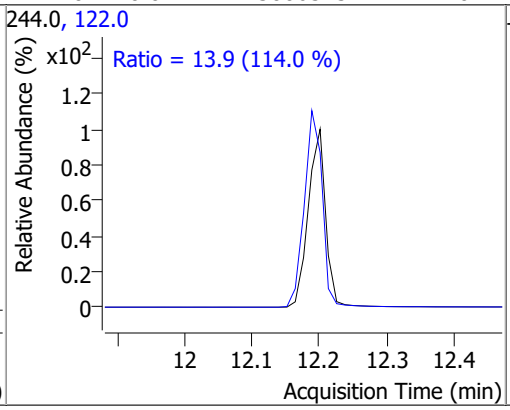
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.72	101.0	11.7

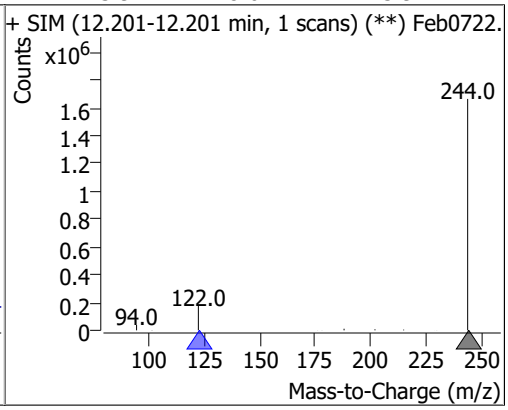




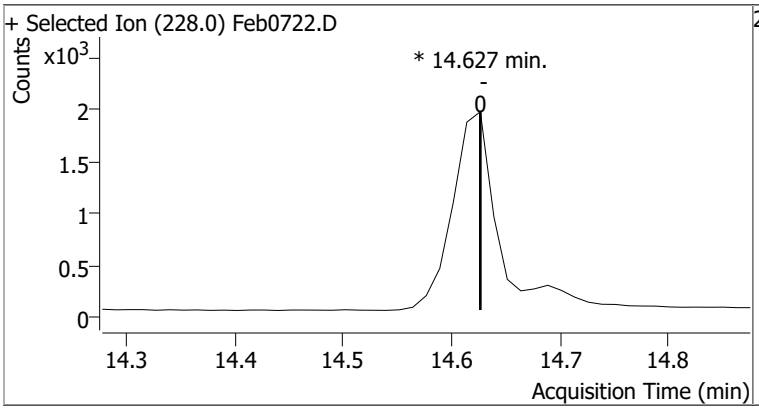
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	61.4913	12.20	0.02	3006545	122.0	13.9	8.6	15.9

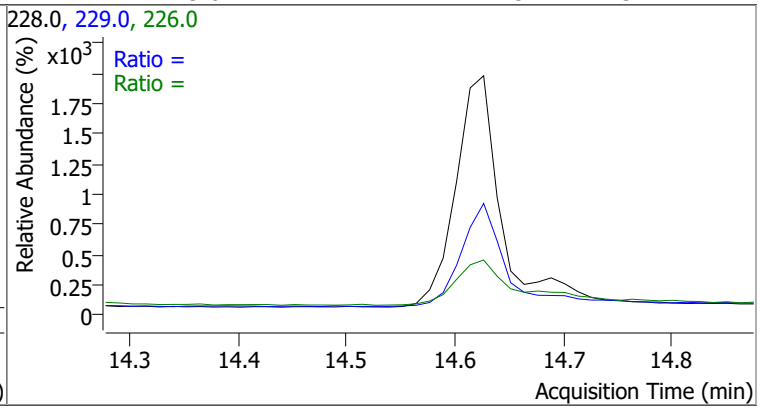




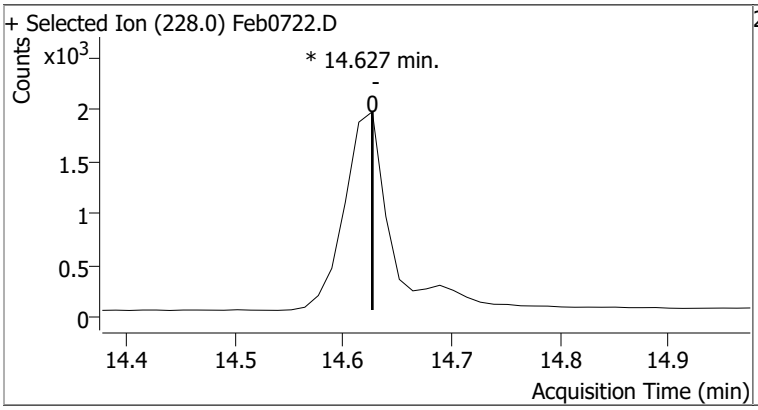


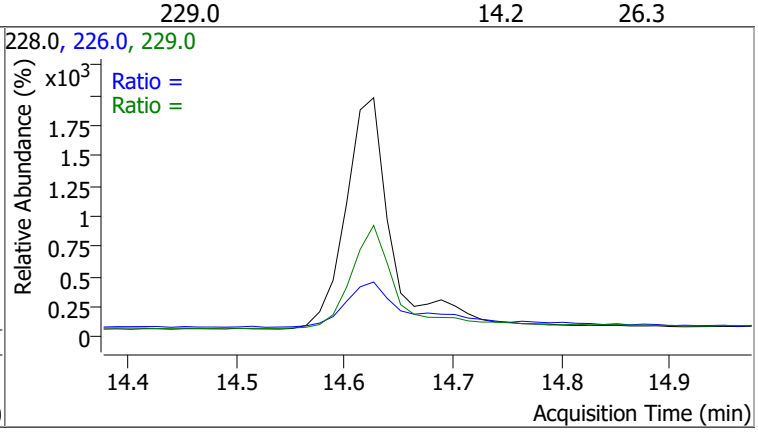
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



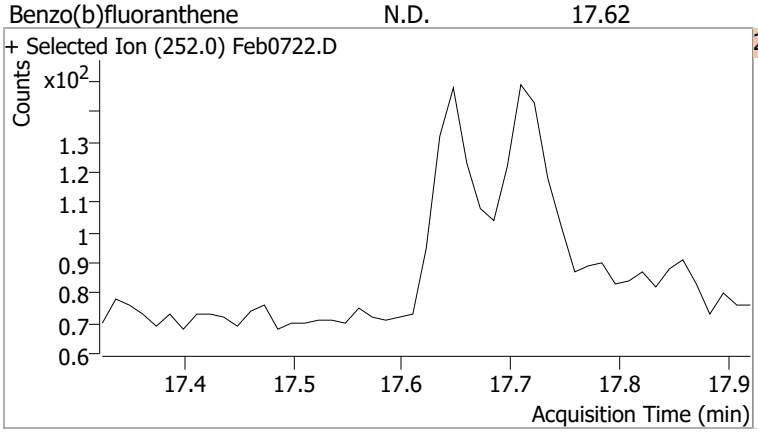


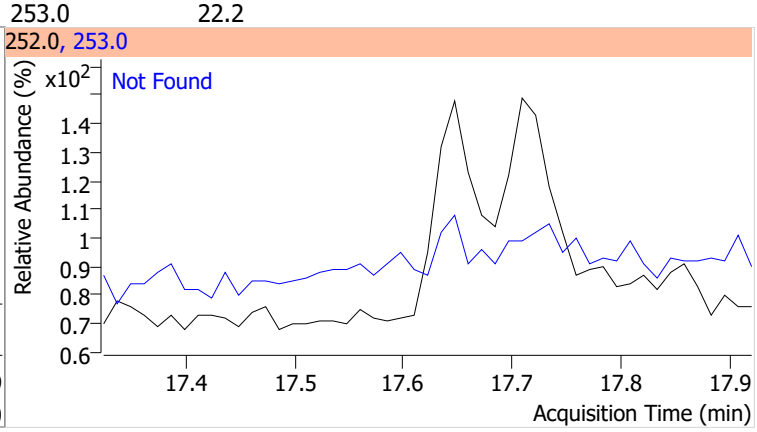
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



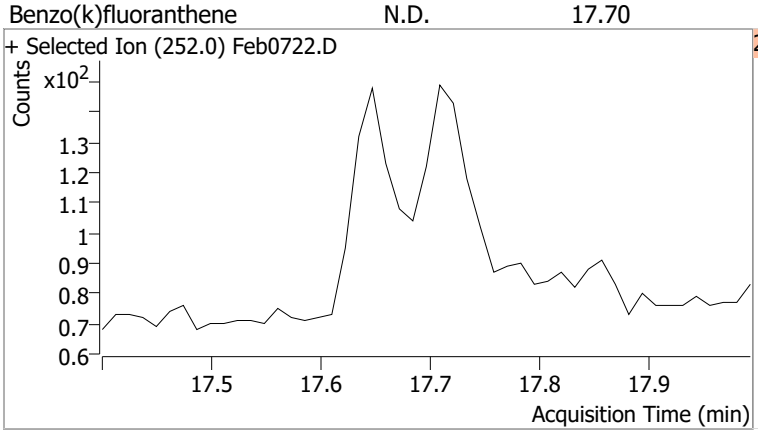


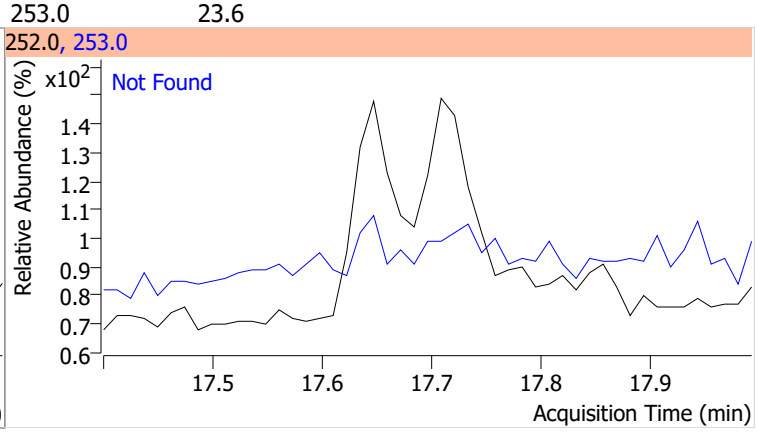
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.62	253.0	22.2



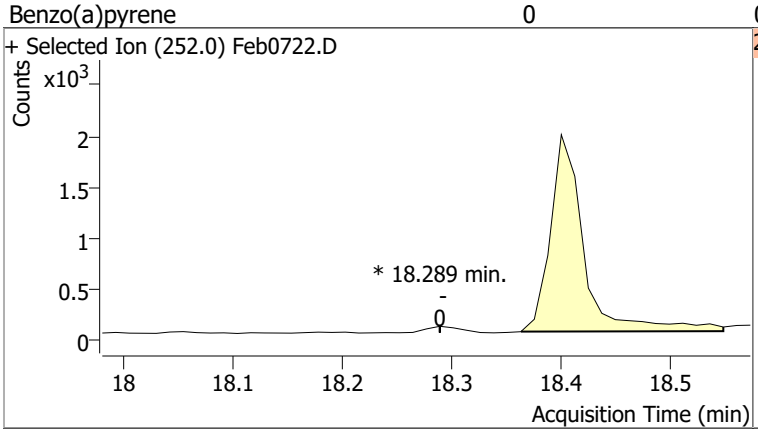


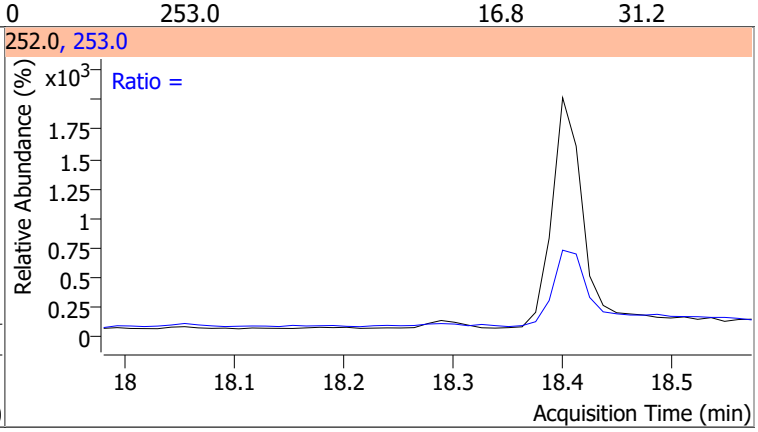
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.70	253.0	23.6



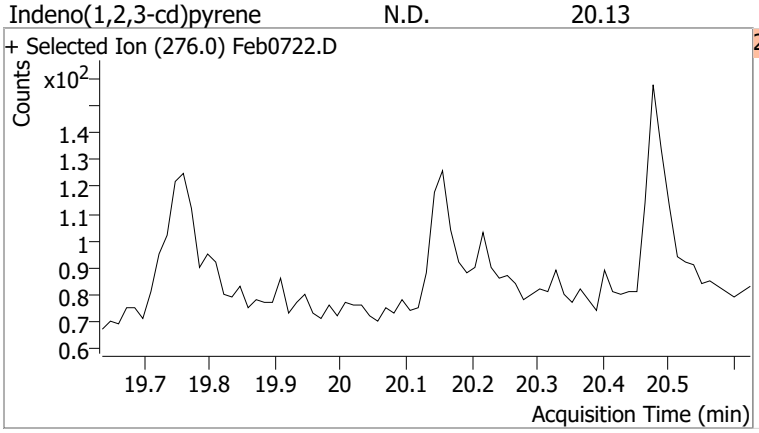


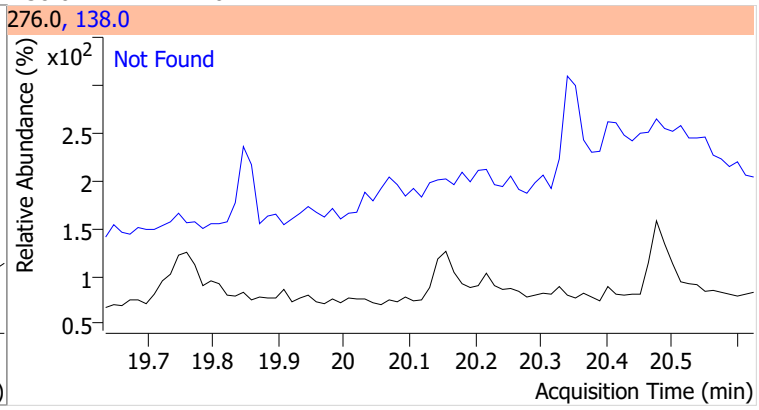
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



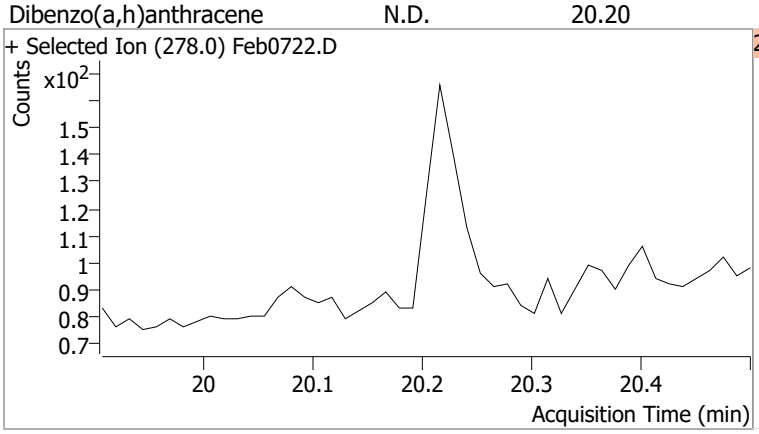


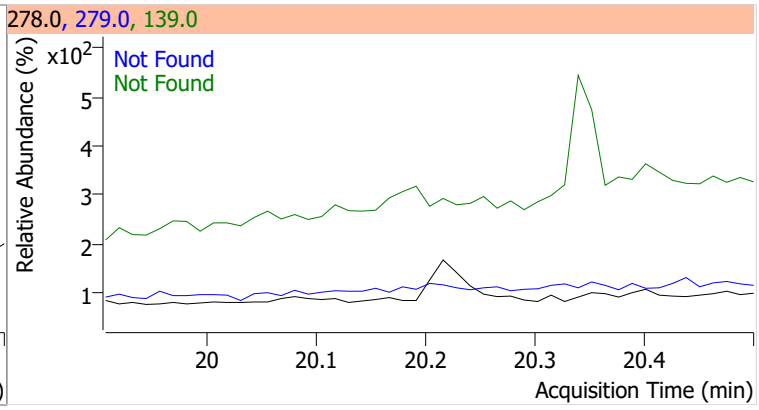
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.13	138.0	20.2



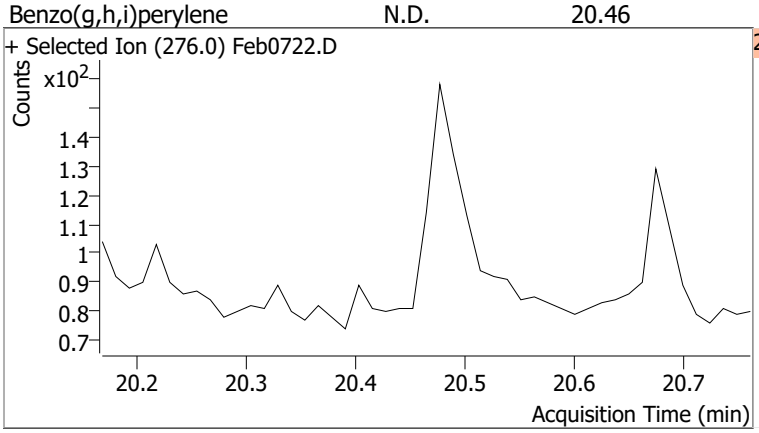


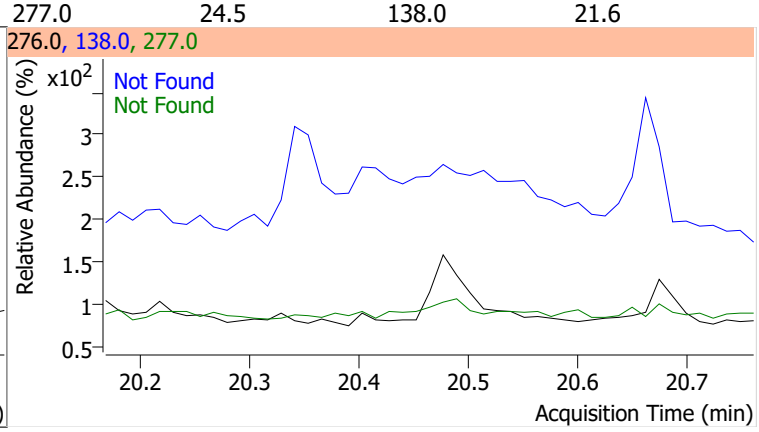
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.20	279.0	24.9	139.0	16.2





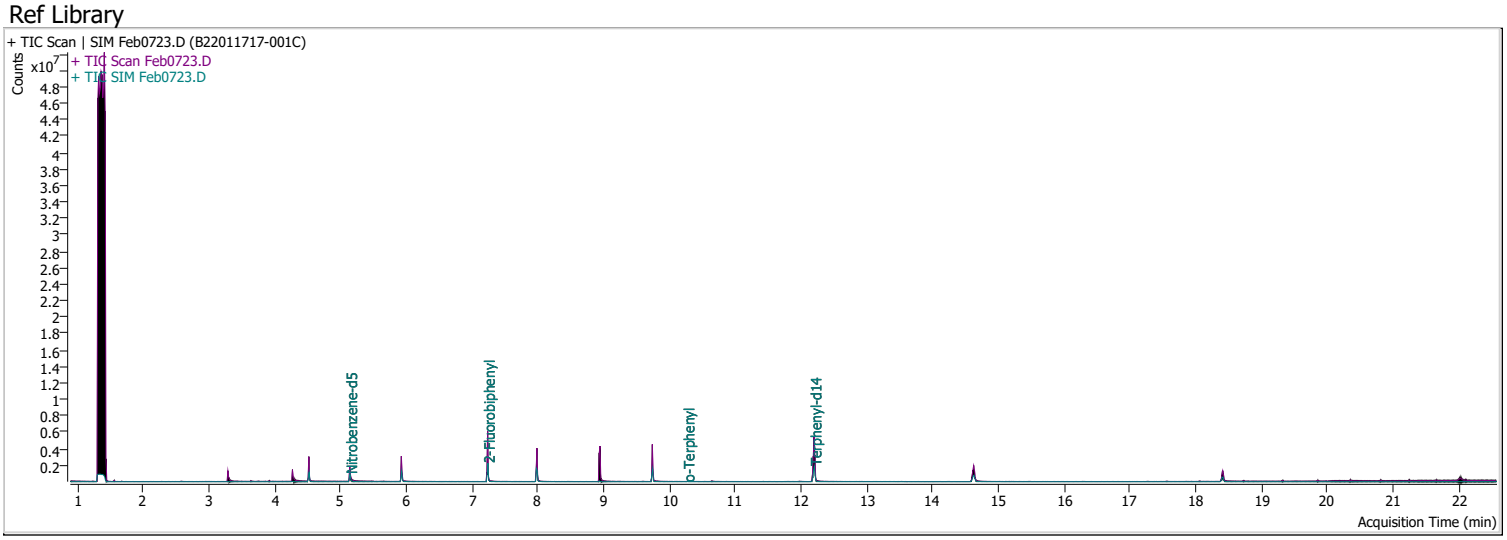
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.46	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb0723.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/8/2022 3:04:37 AM
Sample Name	B22011717-001C	Instrument	GCMS
Vial	23	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			



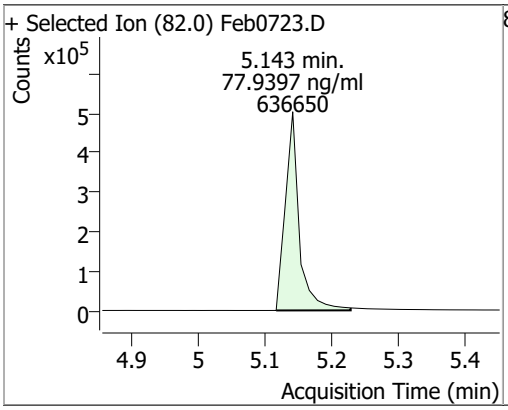
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	409761	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1394590	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.976	164.0	920310	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	1747425	40.0000	ng/ml		0.012
M Chrysene-d12	14.627	240.0	1382259	40.0000	ng/ml		0.012
M Perylene-d12	18.401	264.0	810688	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	636650	77.9397	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1558.79%		*	
S 2-Fluorobiphenyl	7.240	172.0	1812197	70.9789	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1419.58%		*	
S o-Terphenyl	10.274	230.0	4480	0.0953	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 1.91%		*	
S Terphenyl-d14	12.201	244.0	2856646	63.2612	ng/ml		0.025
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1265.22%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.013	154.0	0		ng/ml	md	1
T Fluorene	8.935	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.627	228.0	0		ng/ml	md	1
T Chrysene	14.689	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

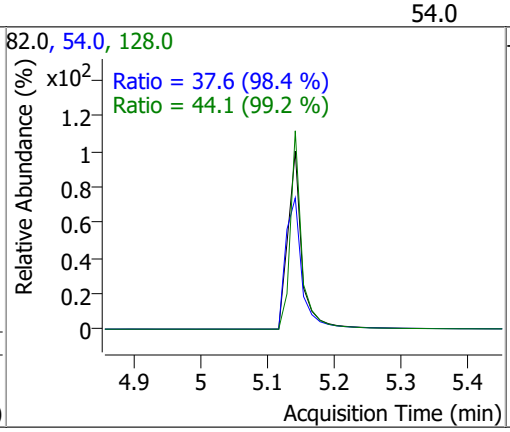
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.289	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

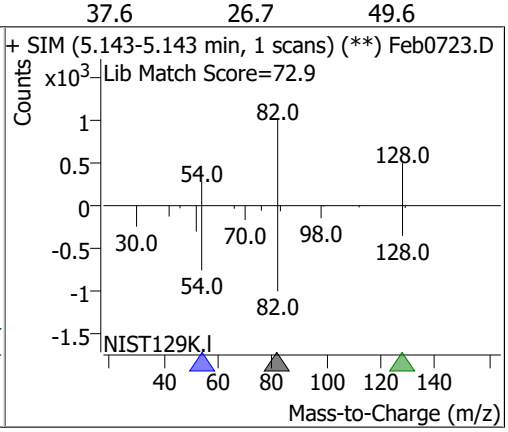
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (QT Reviewed)

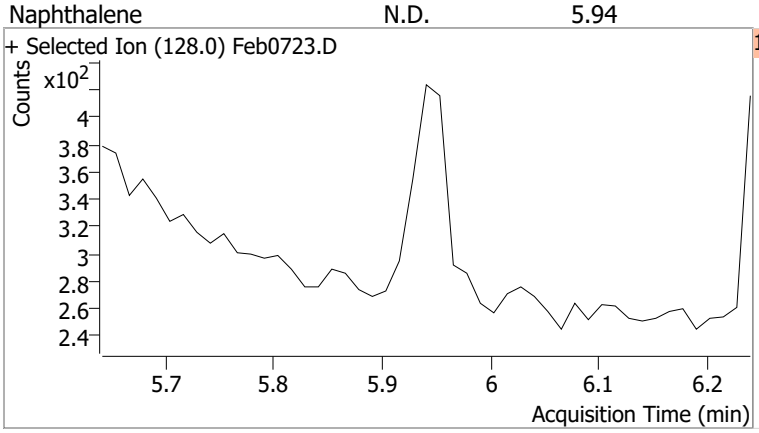
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	77.9397	5.14	-0.01	636650	128.0	44.1	31.2	57.9
					54.0	37.6	26.7	49.6

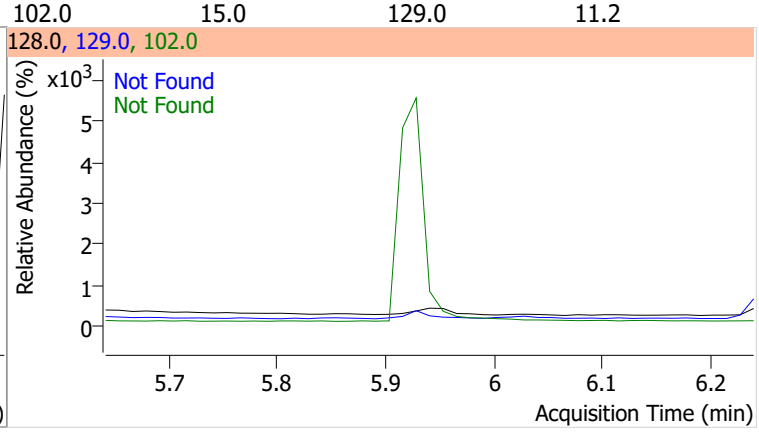




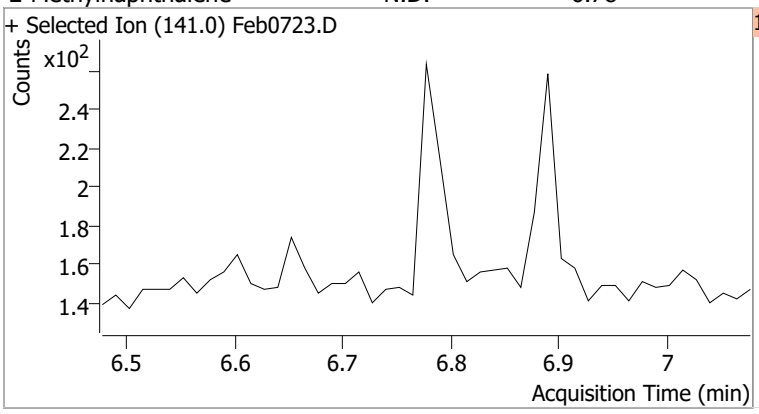


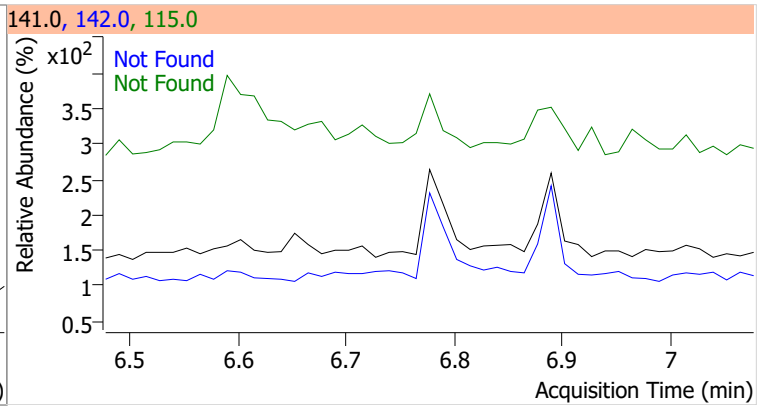
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.94	102.0	15.0	129.0	11.2



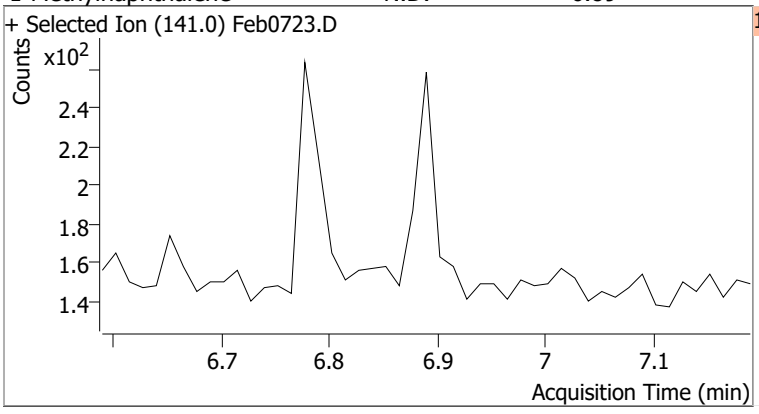


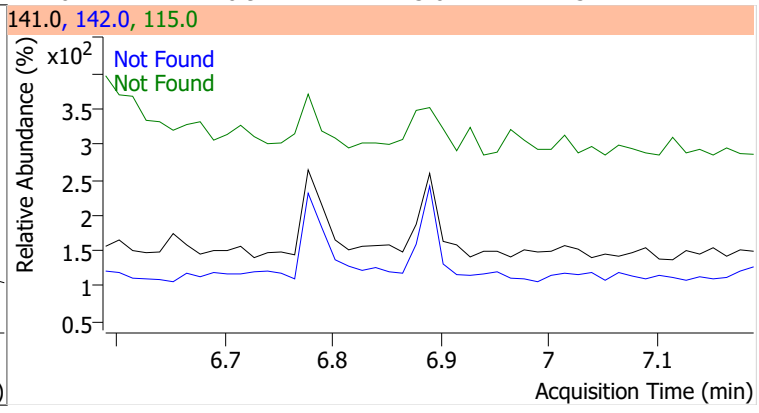
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.78	142.0	135.7	115.0	47.1



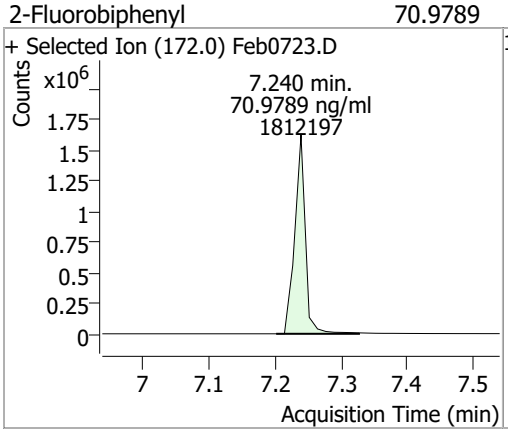


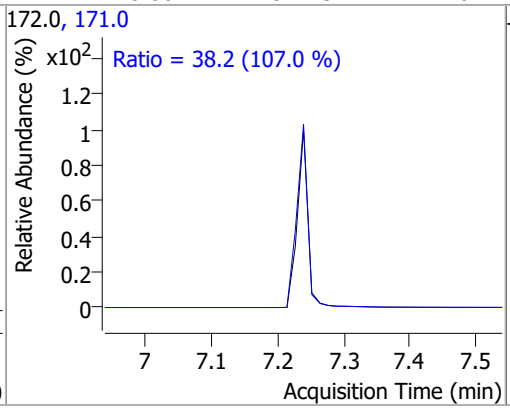
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.89	142.0	110.9	115.0	52.2

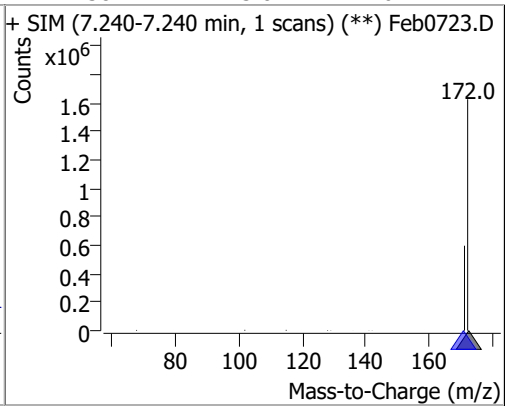




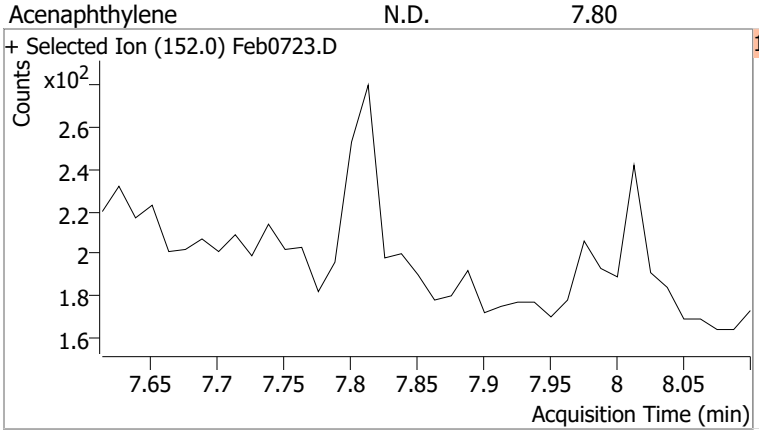
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	70.9789	7.24	0.00	1812197	171.0	38.2	25.0	46.4

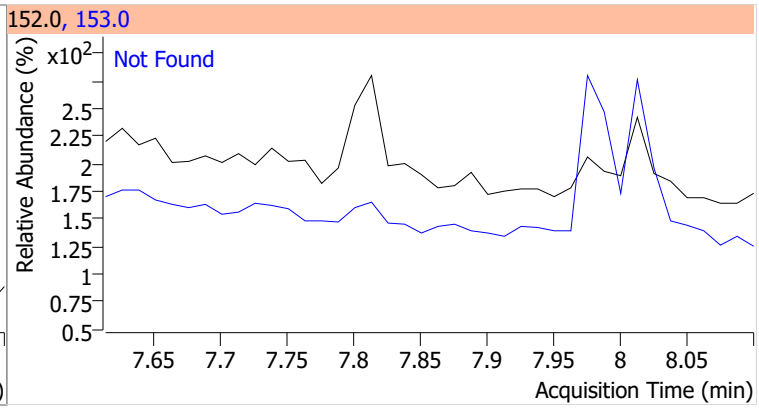




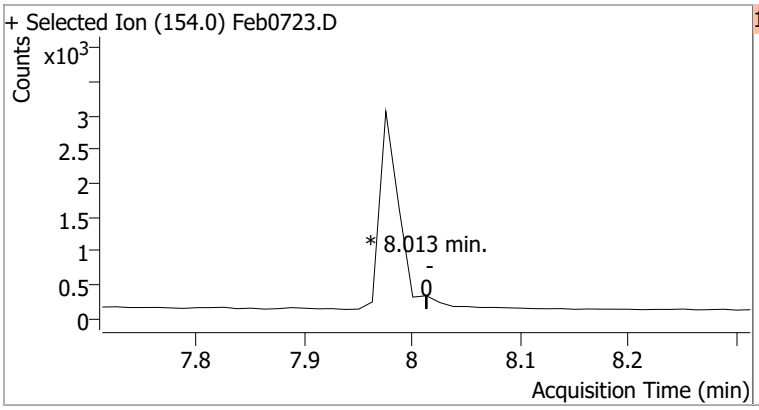


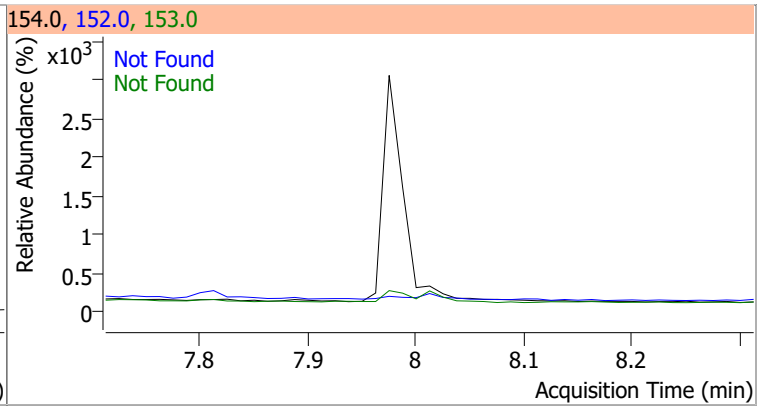
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.80	153.0	17.6



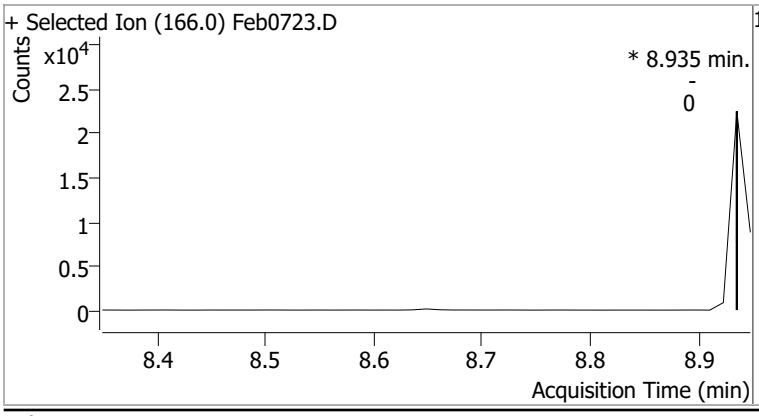


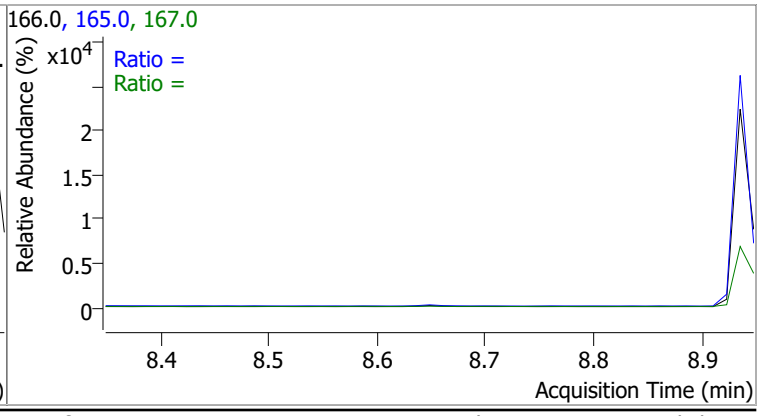
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



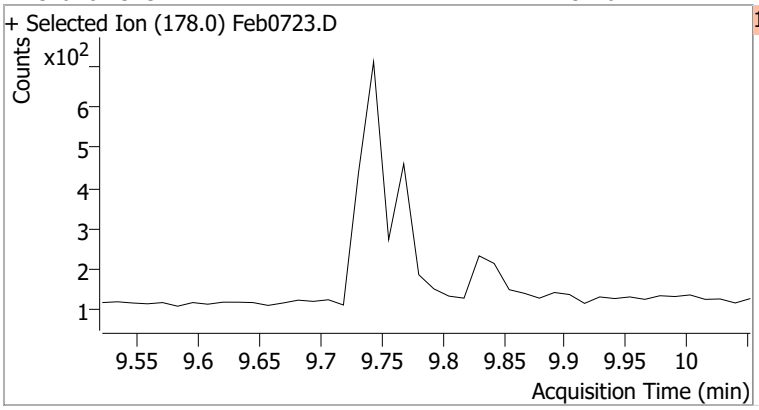


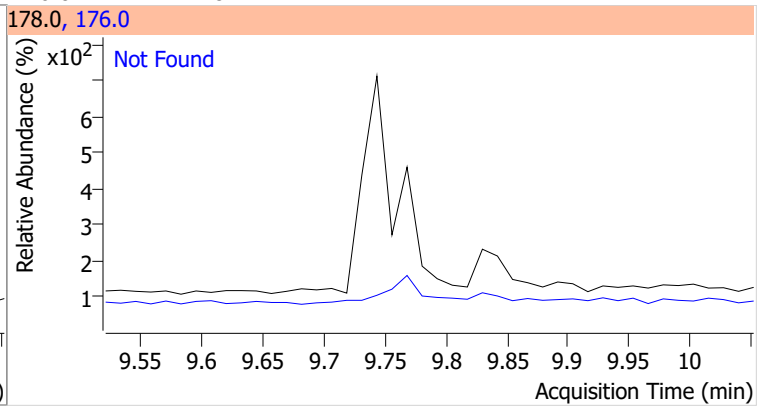
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



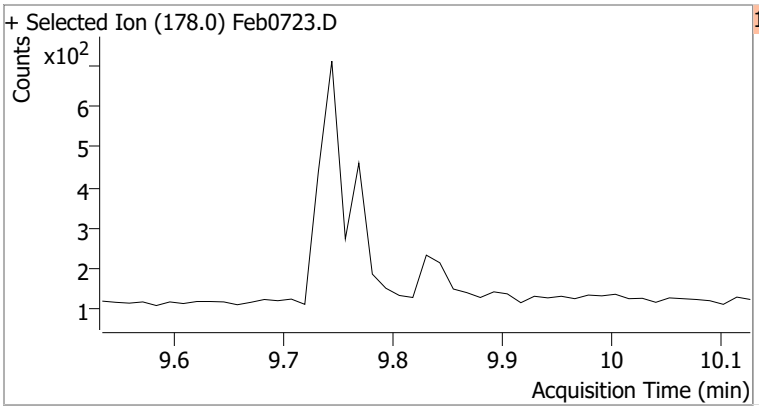


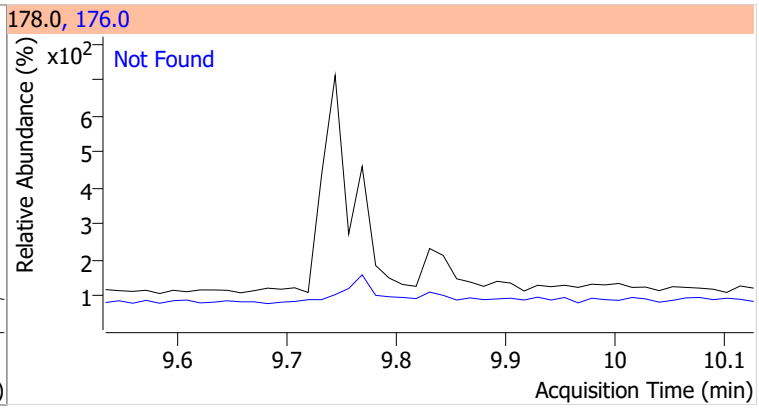
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.76	176.0	18.4



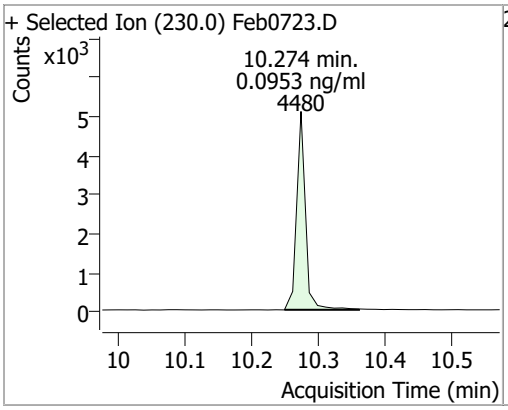


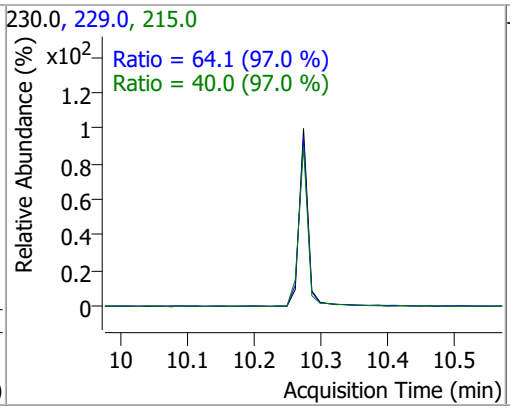
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.83	176.0	18.1

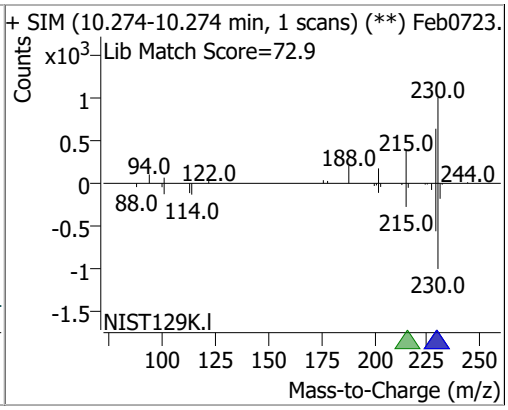




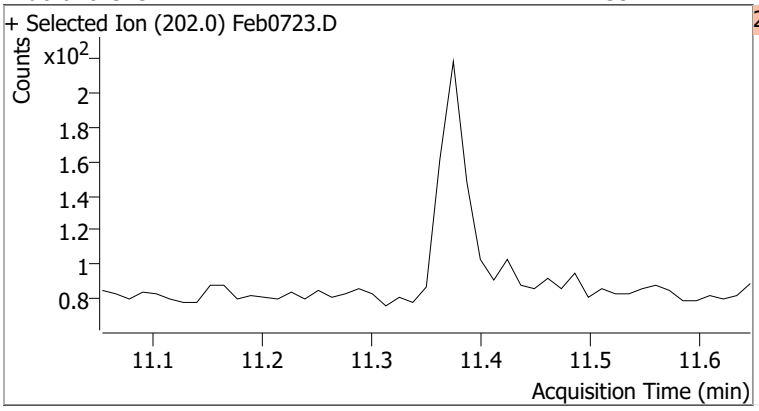
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.0953	10.27	0.00	4480	229.0	64.1	46.3	85.9
					215.0	40.0	28.9	53.6

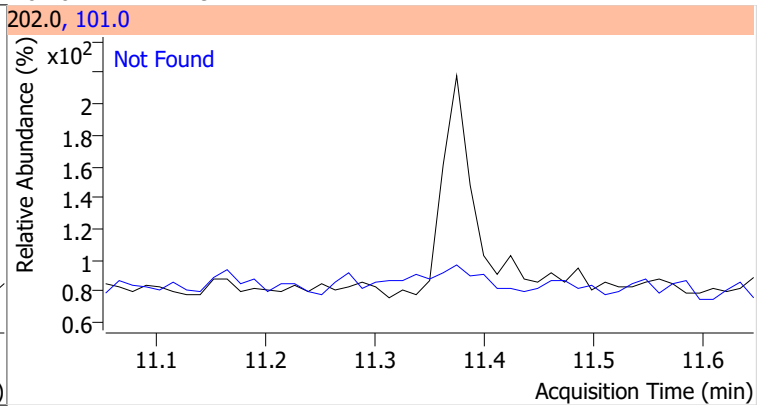




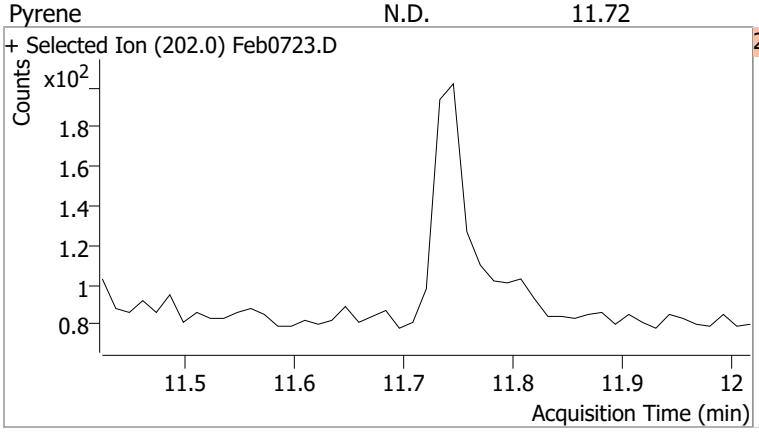


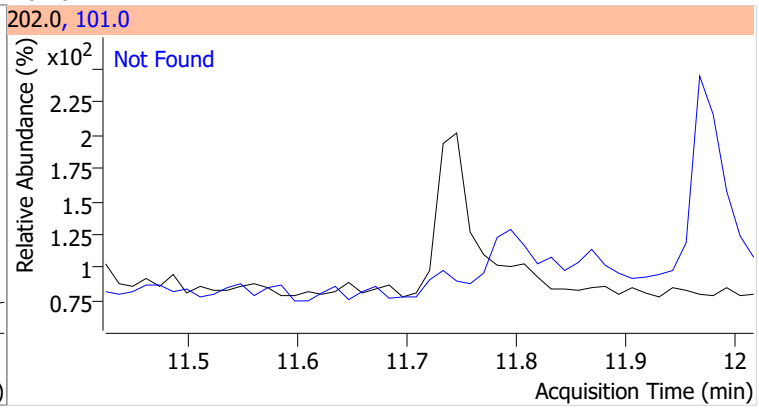
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.35	101.0	9.4



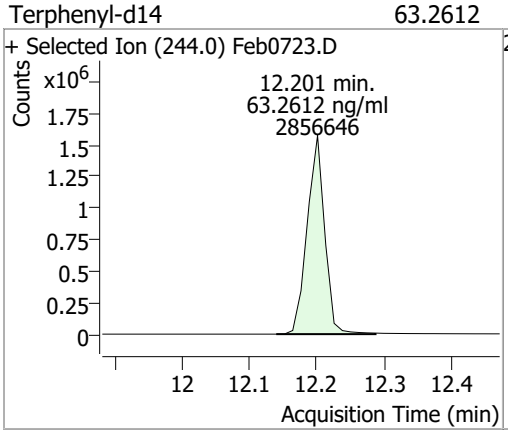


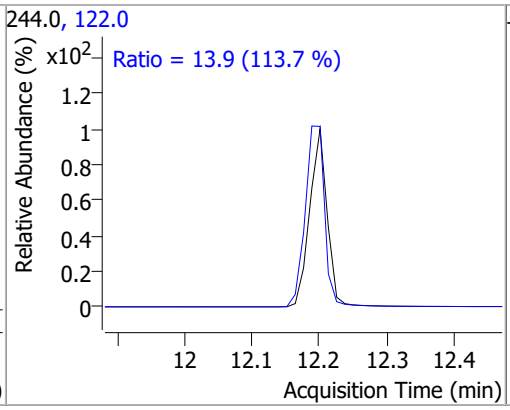
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.72	101.0	11.7

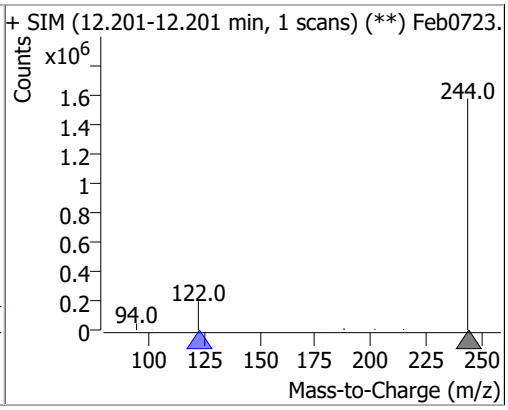




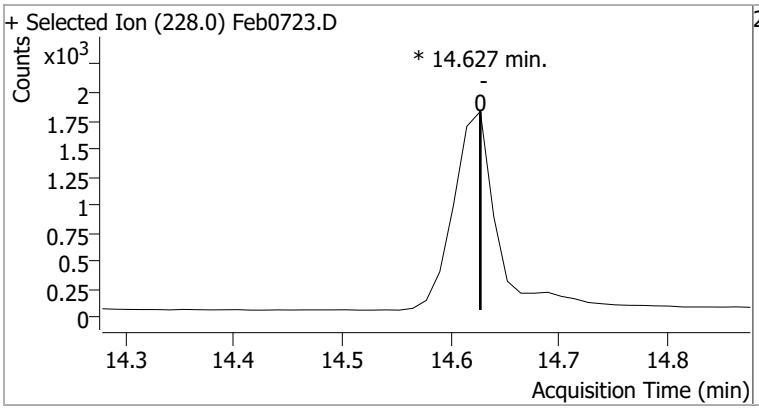
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	63.2612	12.20	0.02	2856646	122.0	13.9	8.6	15.9

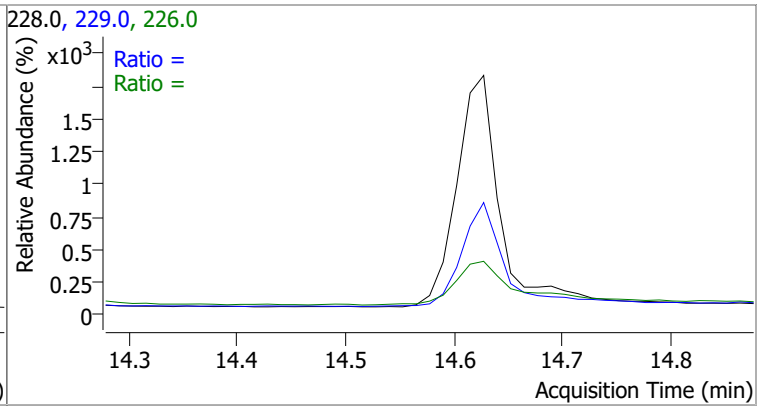




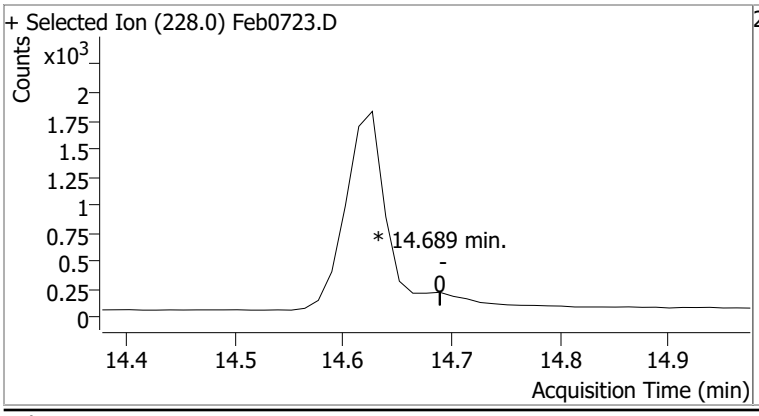


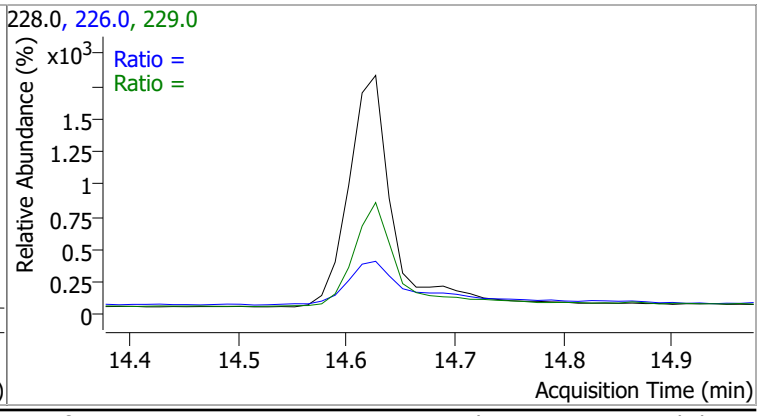
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



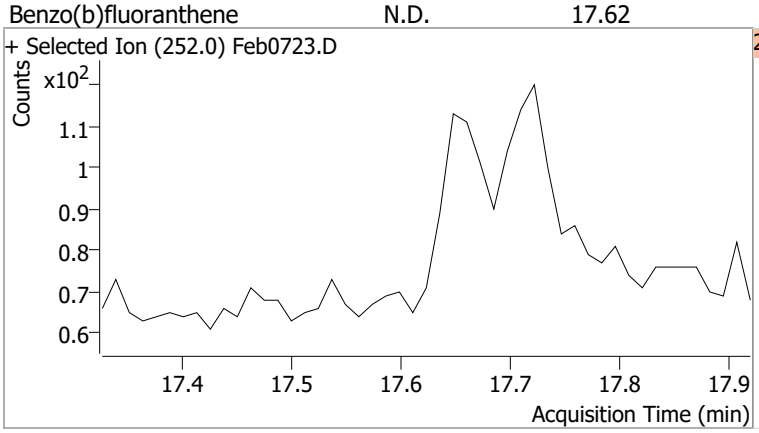


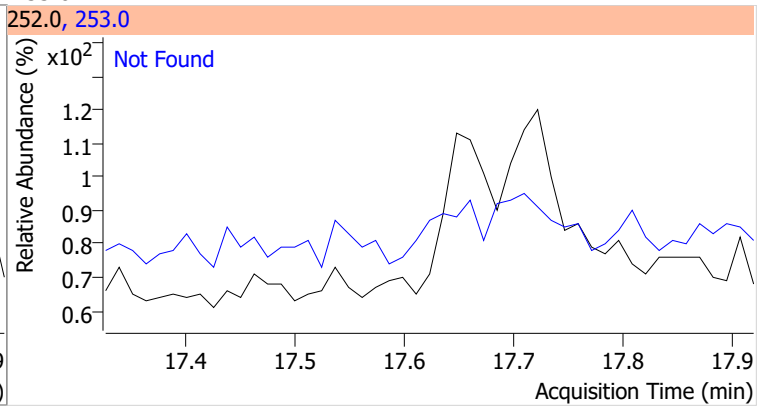
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



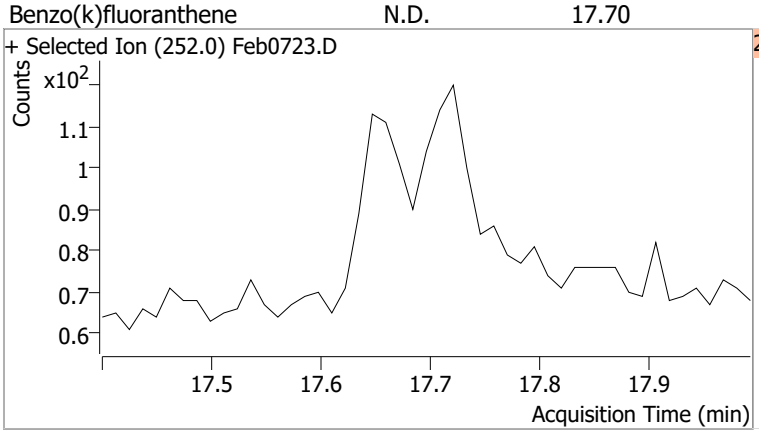


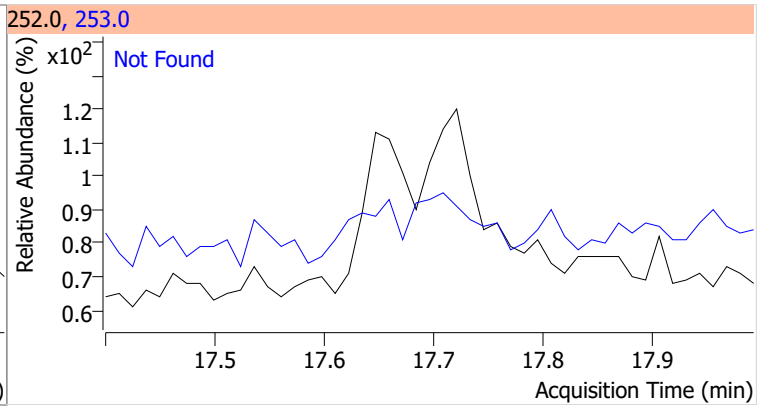
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.62	253.0	22.2



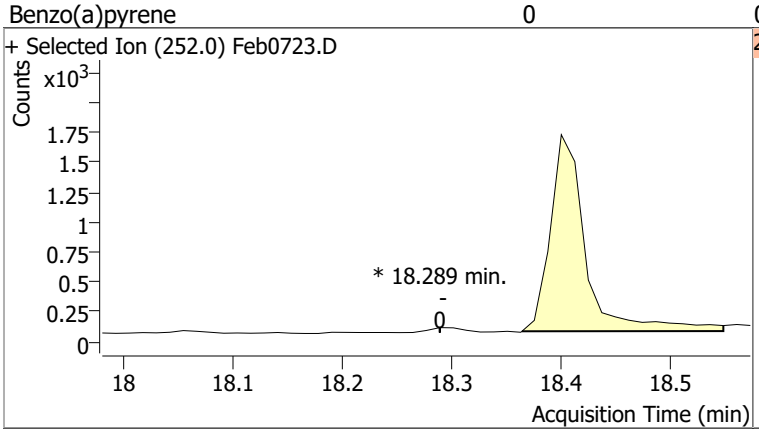


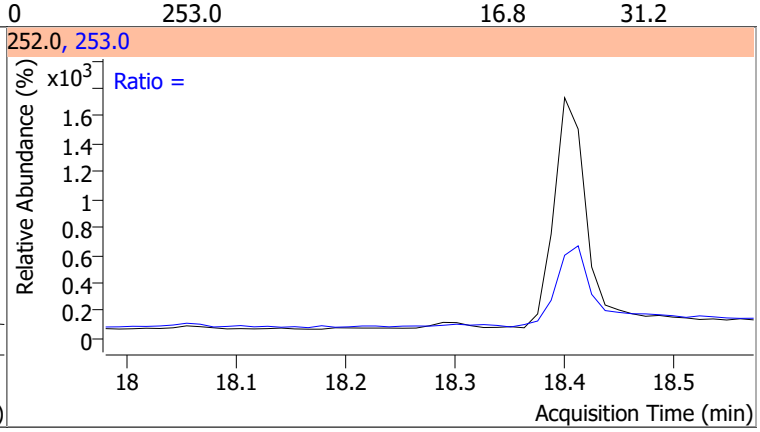
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.70	253.0	23.6



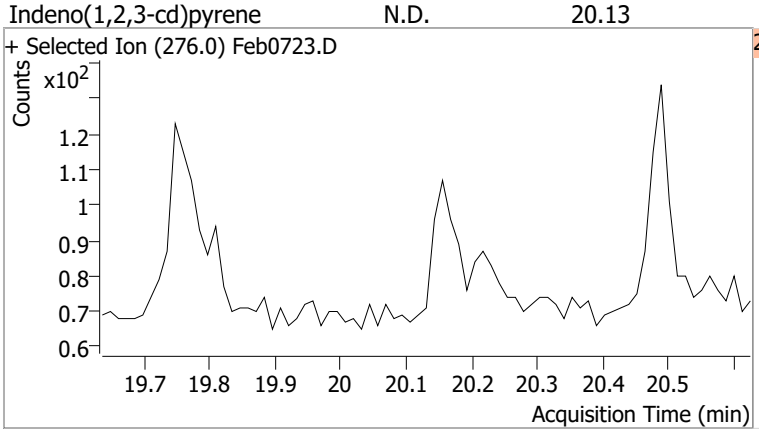


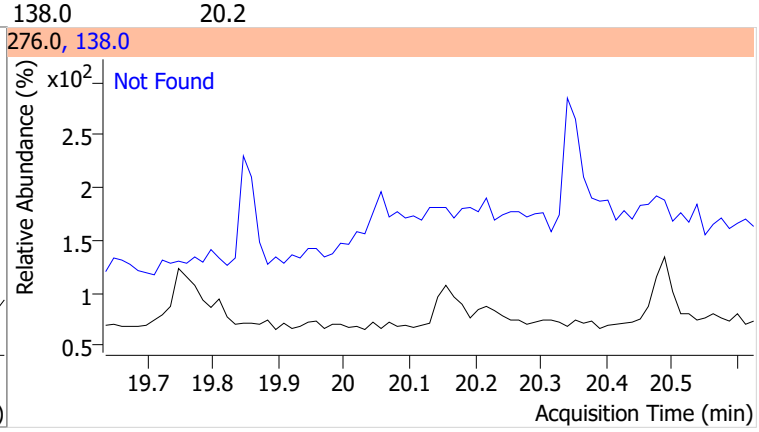
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



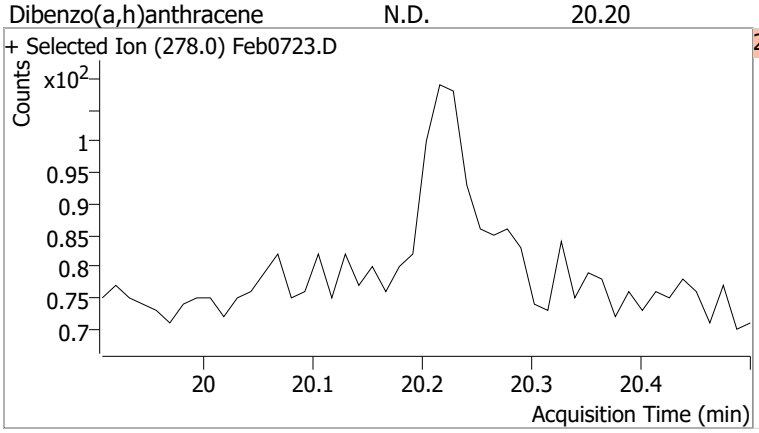


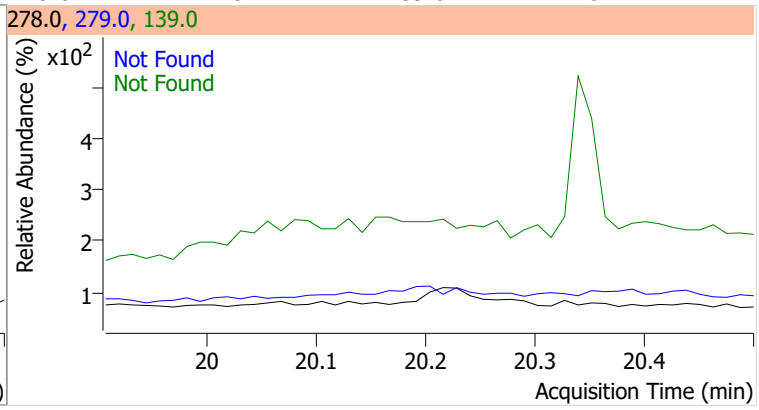
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.13	138.0	20.2



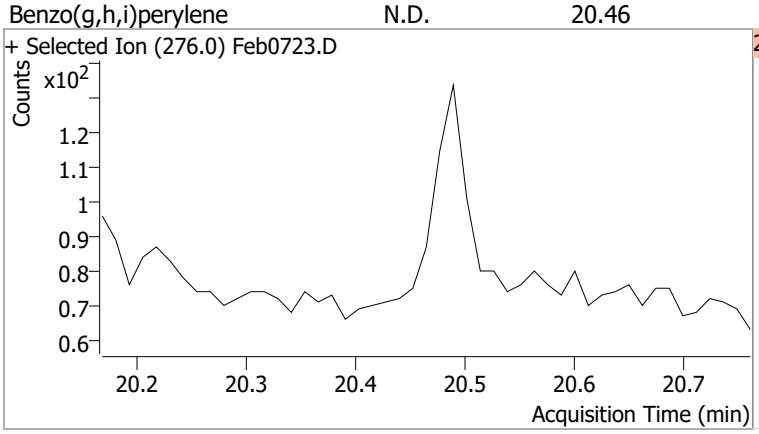


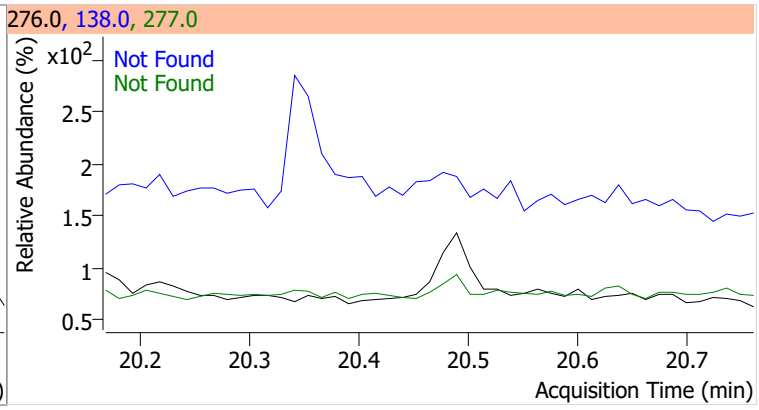
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.20	279.0	24.9	139.0	16.2





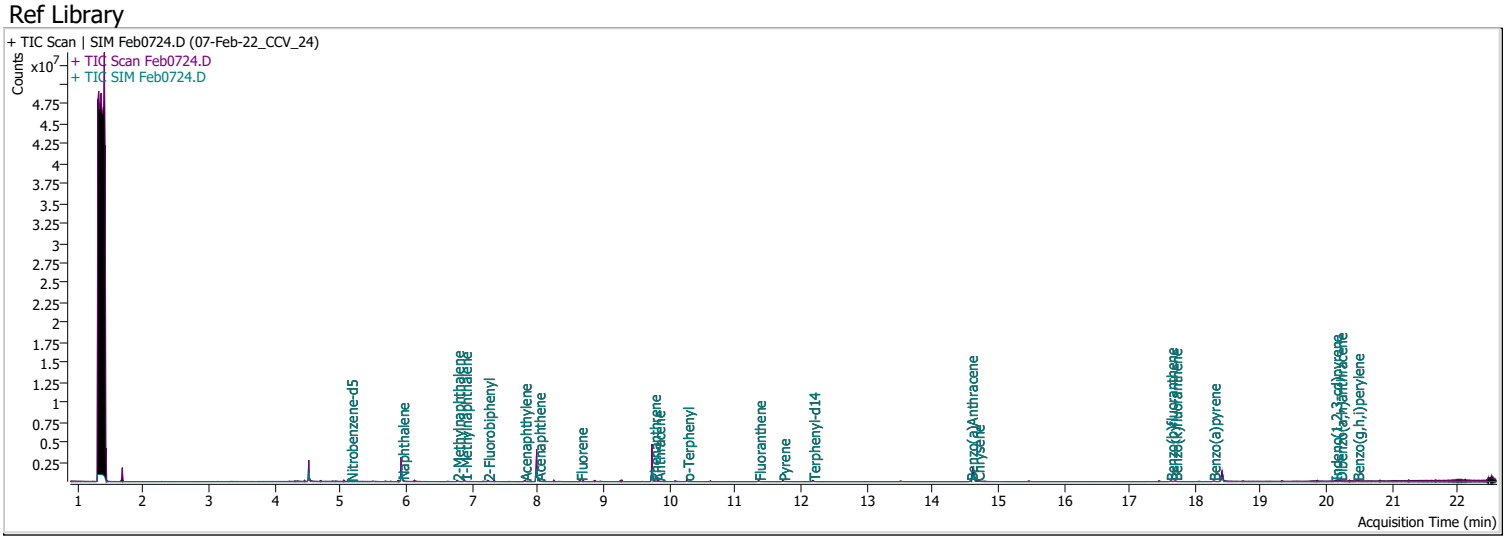
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.46	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb0724.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/8/2022 3:37:04 AM
Sample Name	07-Feb-22_CCV_24	Instrument	GCMS
Vial	4	Multiplier	1.00
DA Method File		Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	020722 bna SIM 1.batch.bin	Last Calib Update	2/8/2022 9:05:30 AM
Ref Library			

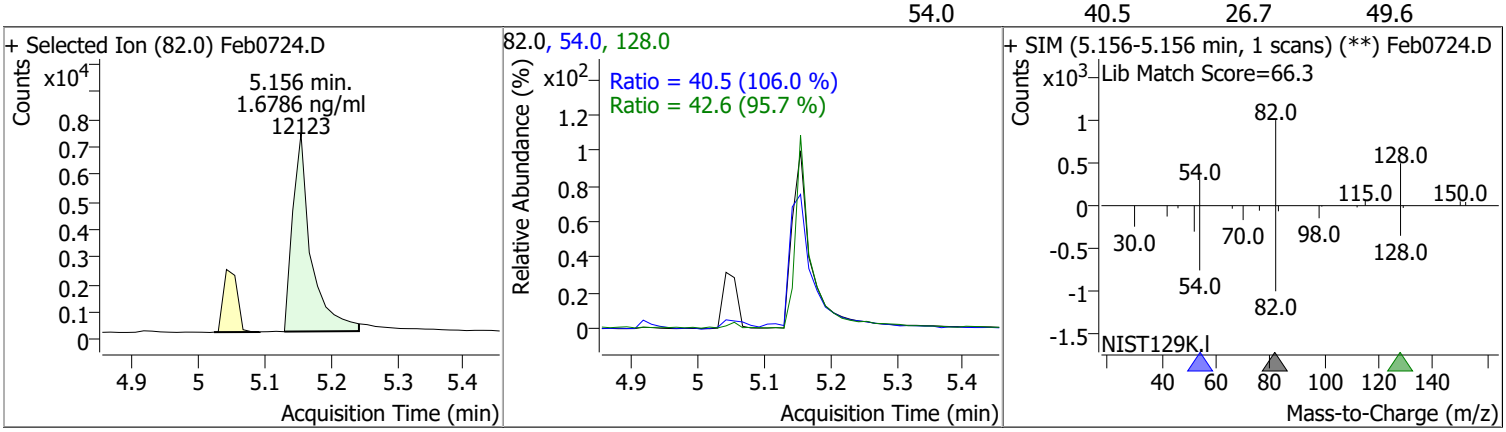


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.522	152.0	362289	40.0000	ng/ml		0.000
M Naphthalene-d8	5.928	136.0	1315391	40.0000	ng/ml		0.000
M Acenaphthene-d10	7.976	164.0	876934	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.743	188.0	1610358	40.0000	ng/ml		0.012
M Chrysene-d12	14.627	240.0	1301737	40.0000	ng/ml		0.013
M Perylene-d12	18.413	264.0	767410	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.156	82.0	12123	1.6786	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 33.57%			
S 2-Fluorobiphenyl	7.240	172.0	51819	1.8714	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 37.43%			
S o-Terphenyl	10.274	230.0	44968	1.8929	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 37.86%		*	
S Terphenyl-d14	12.189	244.0	51345	1.8691	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 37.38%		*	
Target Compounds							**QValue**
T Naphthalene	5.941	128.0	64814	1.8231	ng/ml		87
T 2-Methylnaphthalene	6.778	141.0	41688	1.9411	ng/ml		99
T 1-Methylnaphthalene	6.890	141.0	38804	1.6786	ng/ml		98
T Acenaphthylene	7.801	152.0	60282	1.7932	ng/ml		97
T Acenaphthene	8.013	154.0	44808	1.8255	ng/ml		96
T Fluorene	8.649	166.0	50598	1.7545	ng/ml		81
T Phenanthrene	9.768	178.0	76513	1.8178	ng/ml		99
T Anthracene	9.830	178.0	63210	1.8983	ng/ml		99
T Fluoranthene	11.361	202.0	73724	1.8682	ng/ml		97
T Pyrene	11.732	202.0	82953	1.8943	ng/ml		99
T Benzo(a)Anthracene	14.590	228.0	57358	1.8359	ng/ml		99
T Chrysene	14.689	228.0	81702	1.9296	ng/ml		97
T Benzo(b)fluoranthene	17.622	252.0	50139	1.9051	ng/ml		100

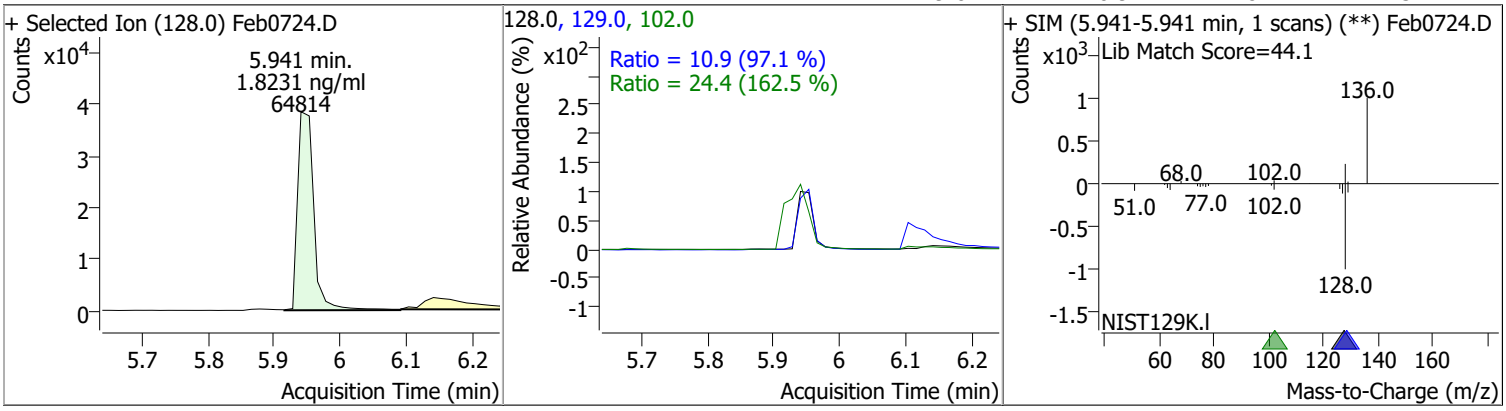
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.696	252.0	58491	1.9231	ng/ml	97
T Benzo(a)pyrene	18.277	252.0	42888	1.8566	ng/ml	99
T Indeno(1,2,3-cd)pyrene	20.130	276.0	40283	1.9615	ng/ml	98
T Dibenzo(a,h)anthracene	20.205	278.0	45893	1.9614	ng/ml	97
T Benzo(g,h,i)perylene	20.464	276.0	53813	1.9046	ng/ml	97

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

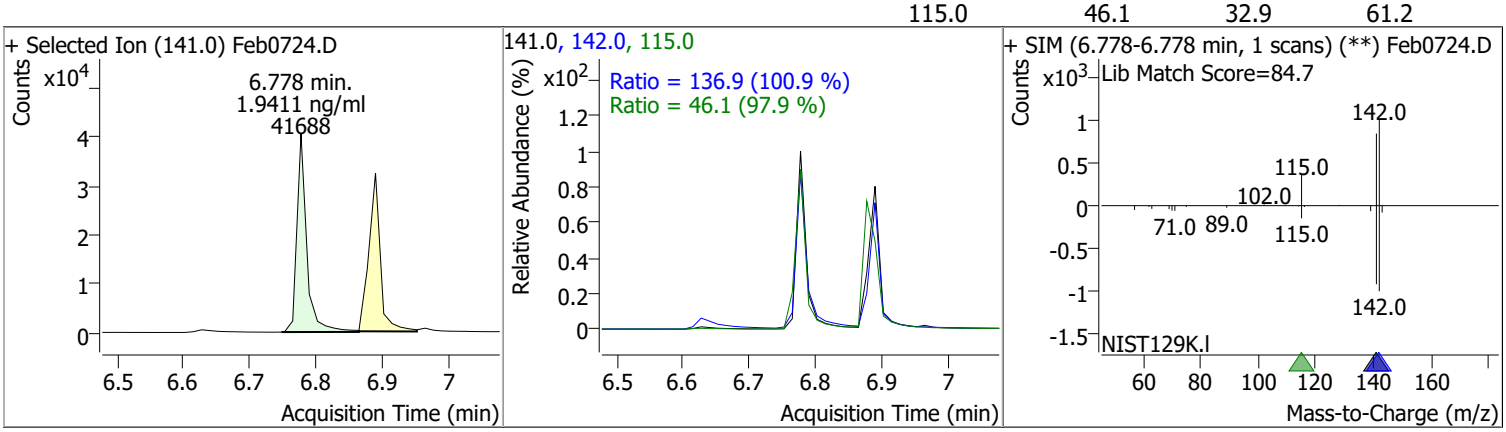
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	1.6786	5.16	0.00	12123	128.0	42.6	31.2	57.9
					54.0	40.5	26.7	49.6



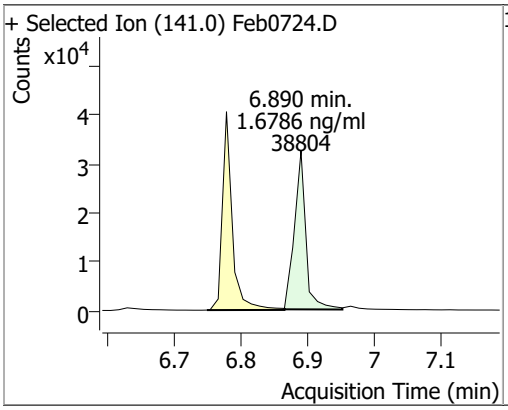
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	1.8231	5.94	0.00	64814	102.0	24.4	0.0	45.0
					129.0	10.9	7.8	14.5

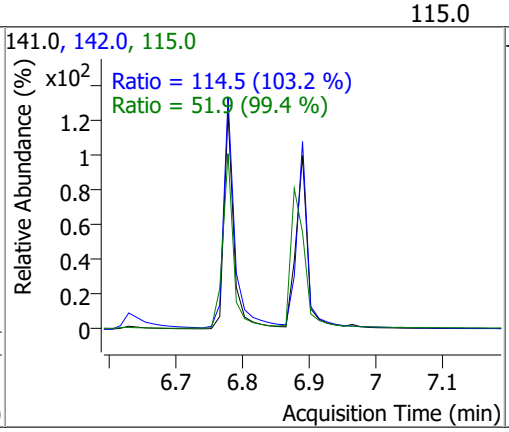


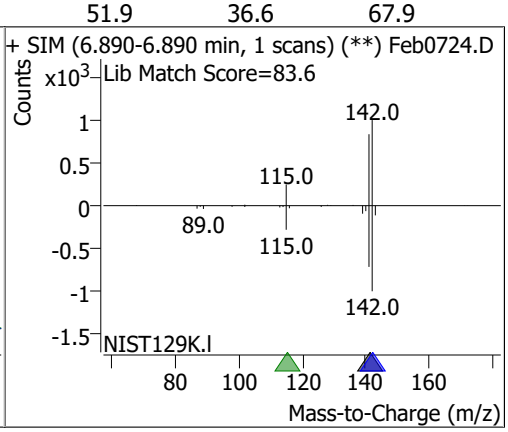
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	1.9411	6.78	0.00	41688	142.0	136.9	95.0	176.4
					115.0	46.1	32.9	61.2



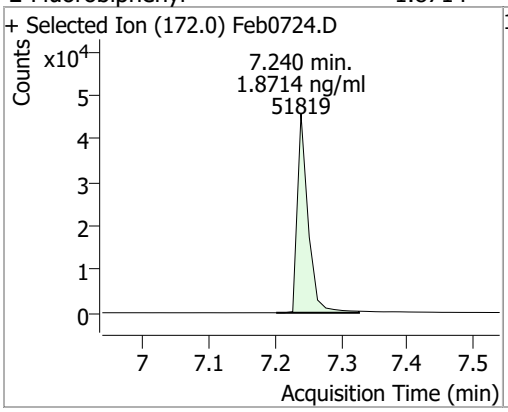
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	1.6786	6.89	0.00	38804	142.0	114.5	77.7	144.2
					115.0	51.9	36.6	67.9

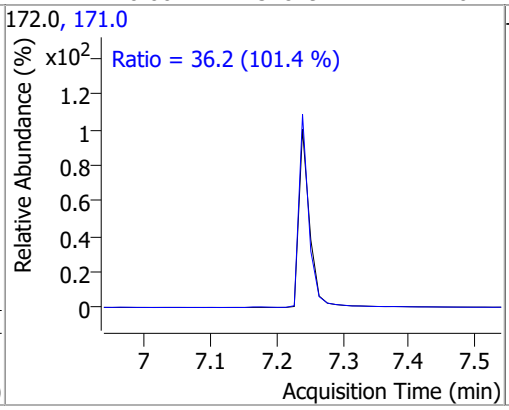


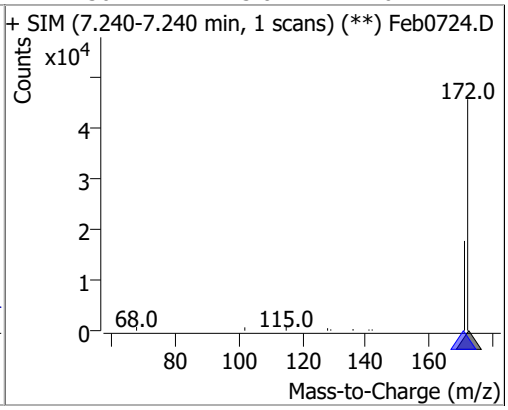




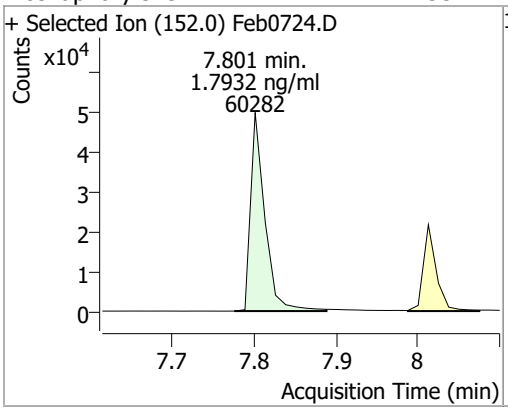
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	1.8714	7.24	0.00	51819	171.0	36.2	25.0	46.4

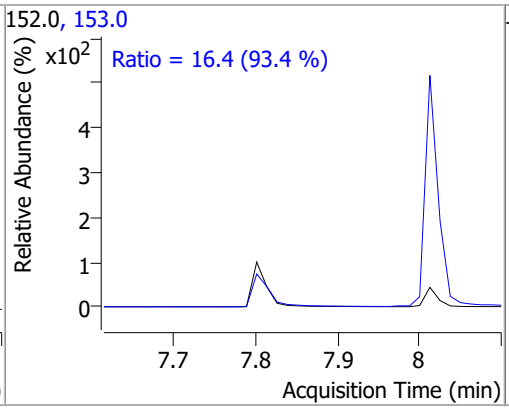


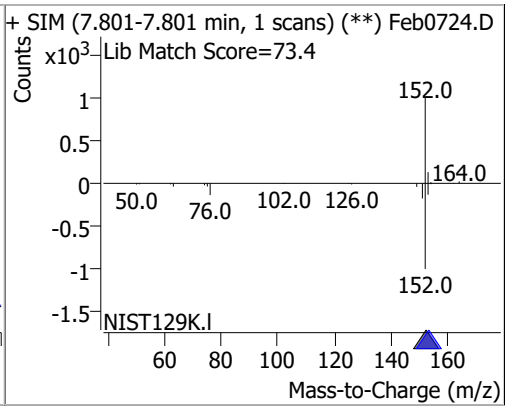




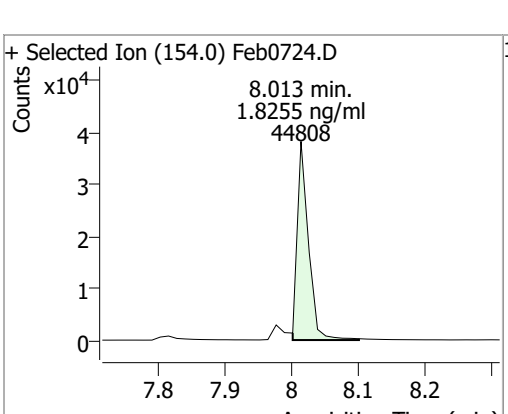
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	1.7932	7.80	0.00	60282	153.0	16.4	12.3	22.9

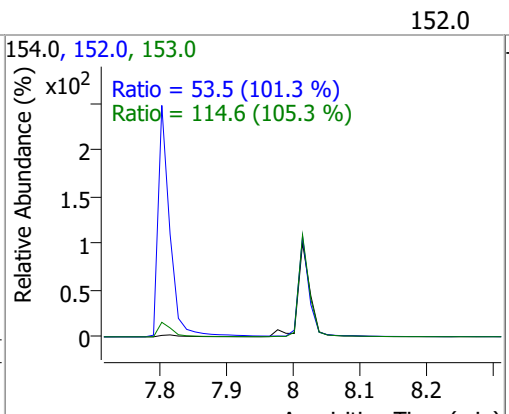


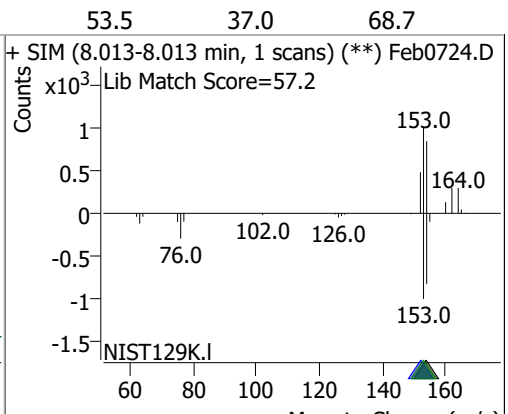




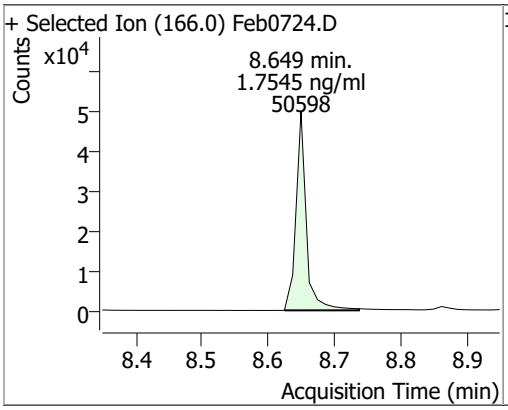
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	1.8255	8.01	0.00	44808	153.0	114.6	76.2	141.5
					152.0	53.5	37.0	68.7

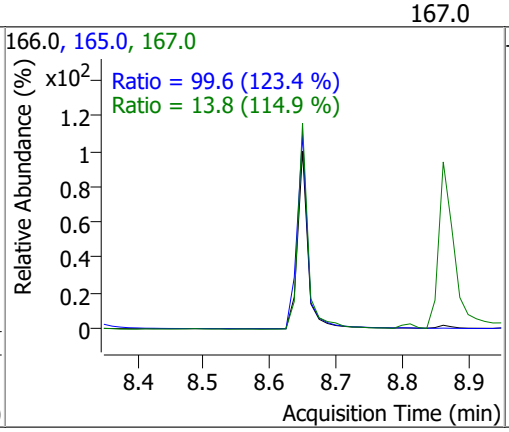


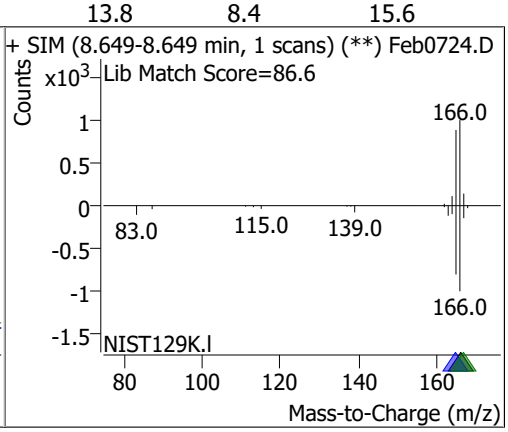




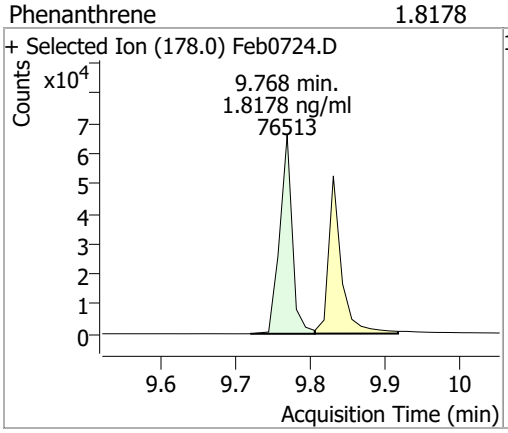
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	1.7545	8.65	0.00	50598	165.0	99.6	56.5	104.9
					167.0	13.8	8.4	15.6

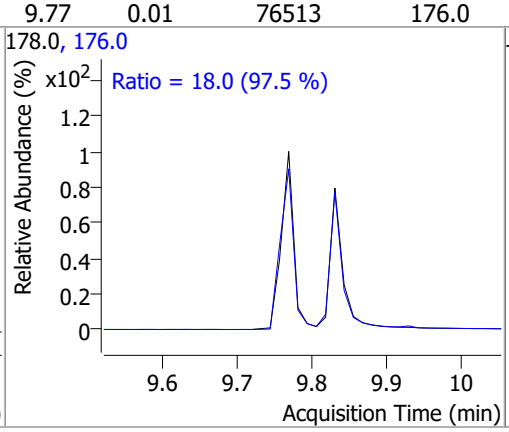


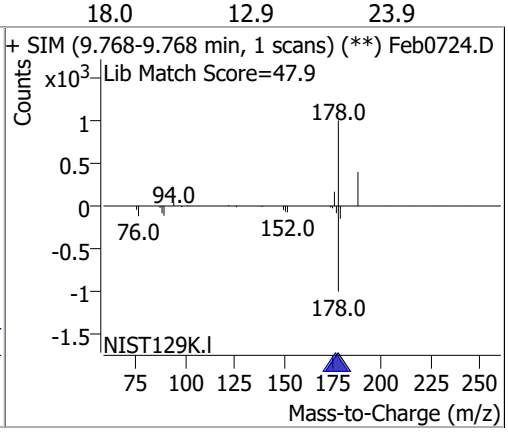




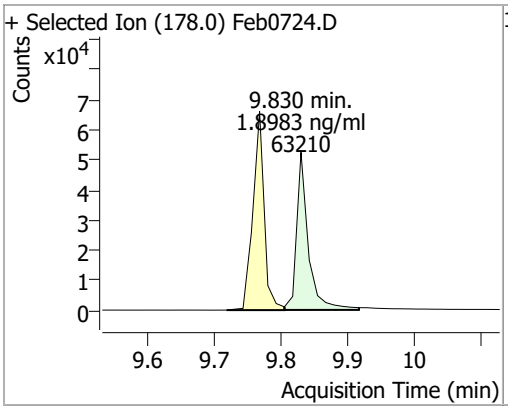
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	1.8178	9.77	0.01	76513	176.0	18.0	12.9	23.9

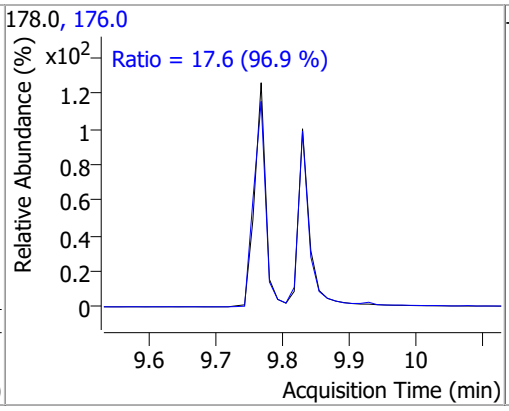


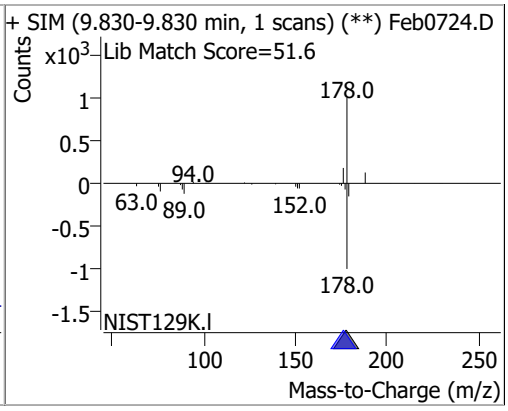




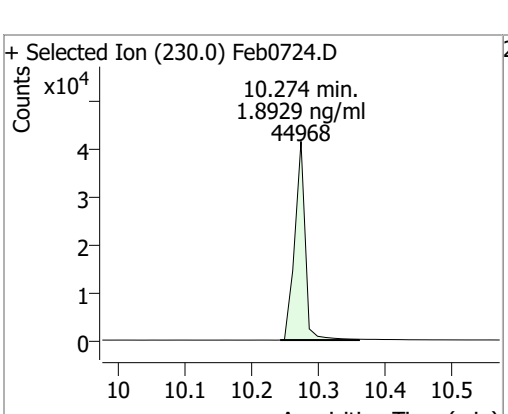
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	1.8983	9.83	0.00	63210	176.0	17.6	12.7	23.6

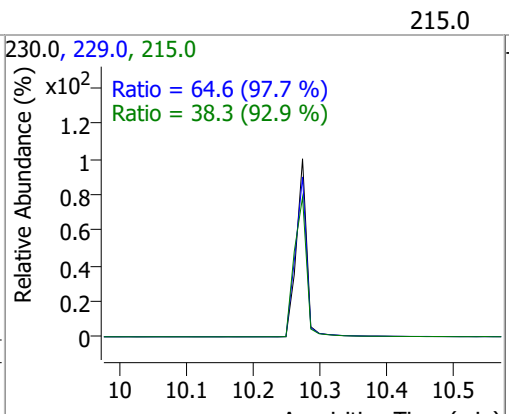


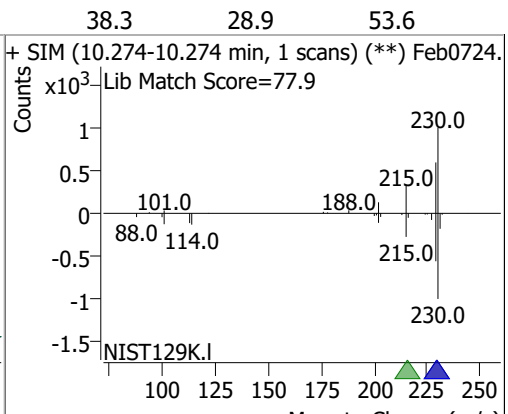




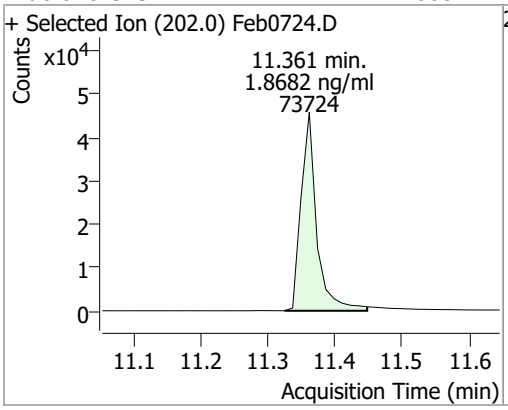
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	1.8929	10.27	0.00	44968	229.0	64.6	46.3	85.9
					215.0	38.3	28.9	53.6

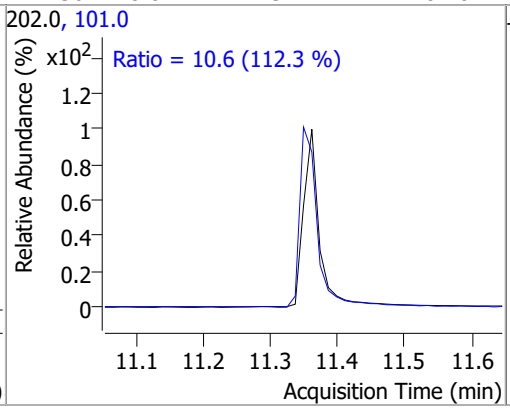


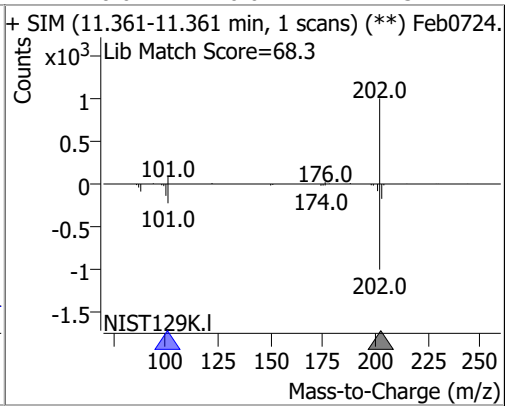




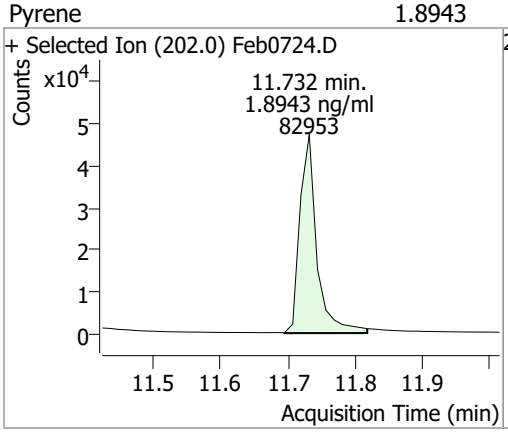
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	1.8682	11.36	0.01	73724	101.0	10.6	6.6	12.3

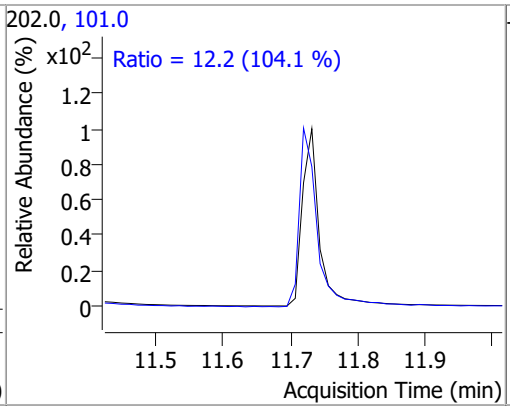


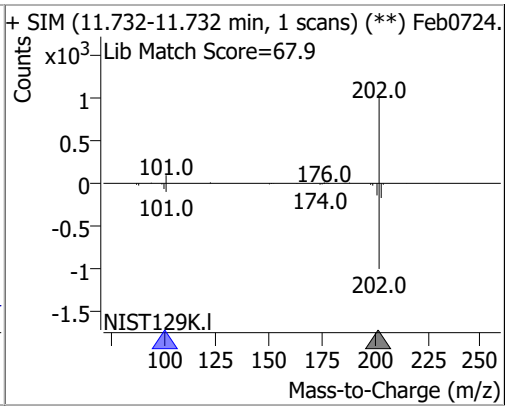




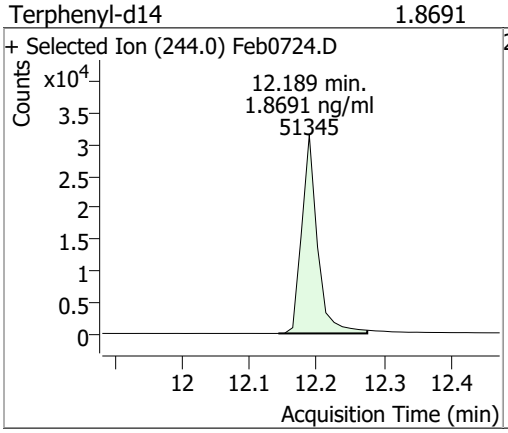
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	1.8943	11.73	0.01	82953	101.0	12.2	8.2	15.2

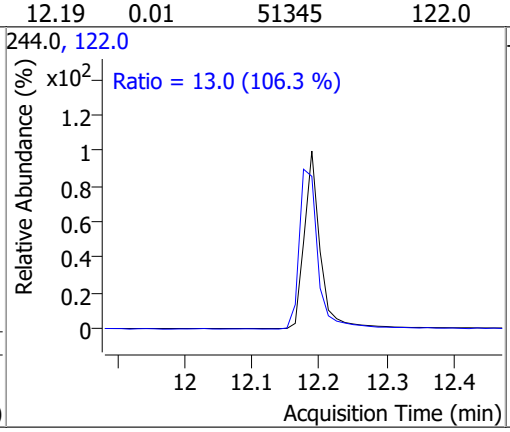


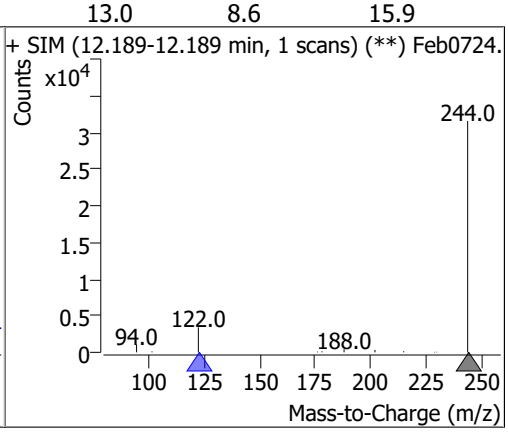




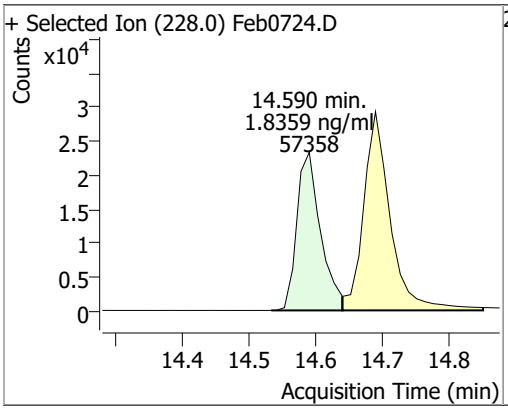
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	1.8691	12.19	0.01	51345	122.0	13.0	8.6	15.9

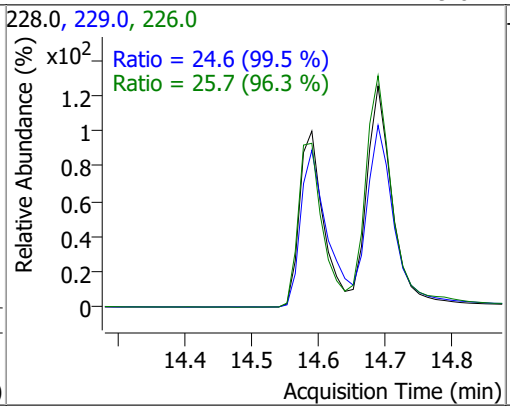


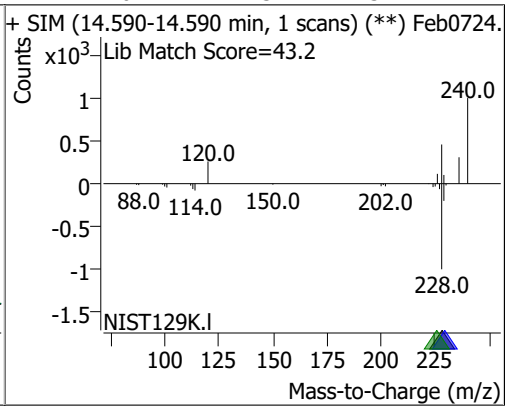




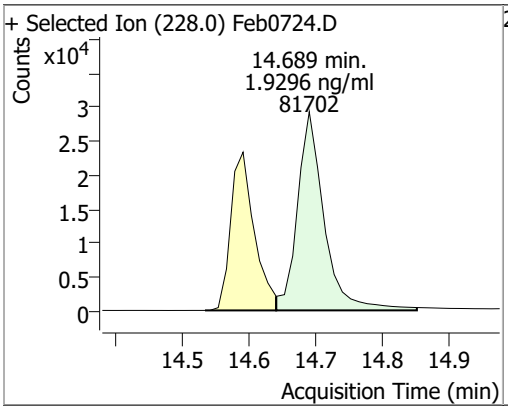
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	1.8359	14.59	0.01	57358	226.0	25.7	18.7	34.8
					229.0	24.6	17.3	32.1

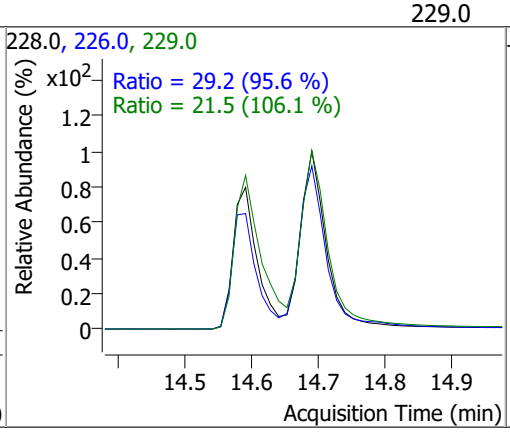


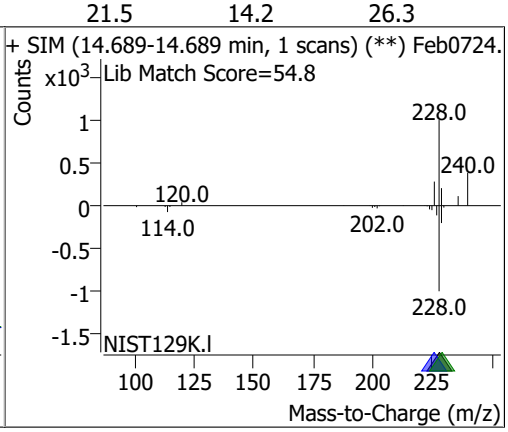




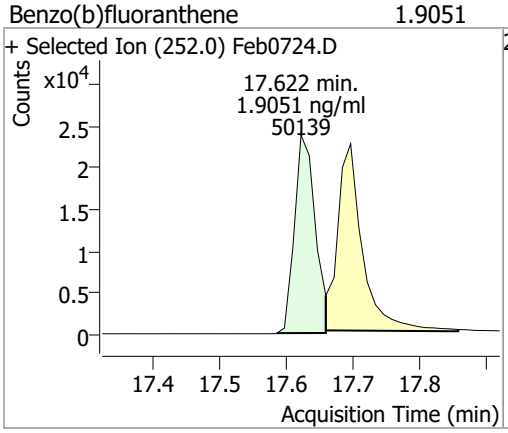
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	1.9296	14.69	0.01	81702	226.0	29.2	21.4	39.7
					229.0	21.5	14.2	26.3

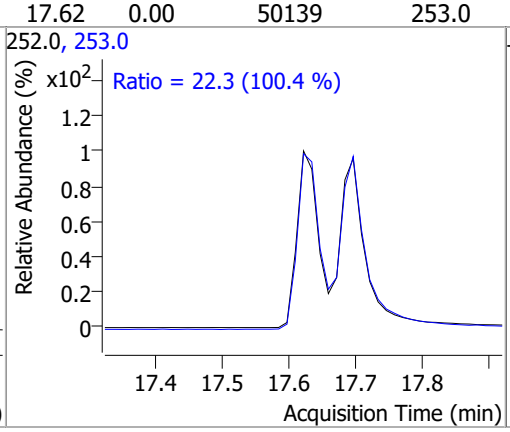


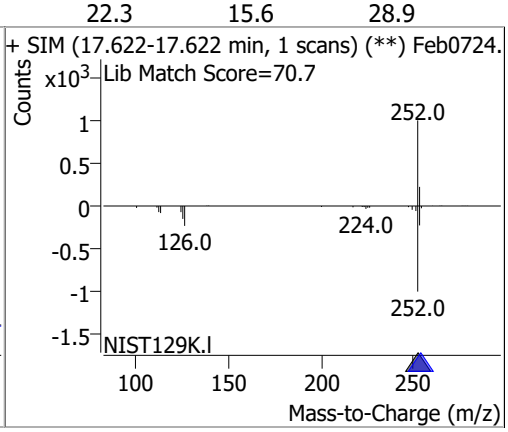




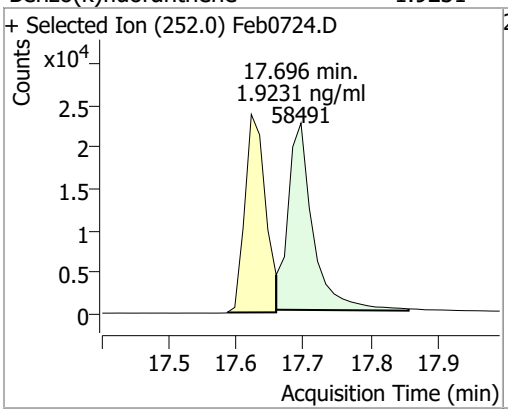
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	1.9051	17.62	0.00	50139	253.0	22.3	15.6	28.9

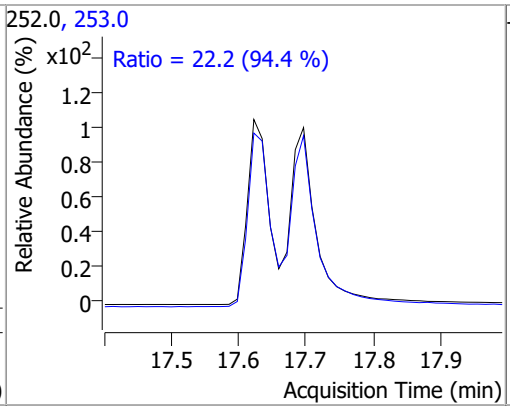


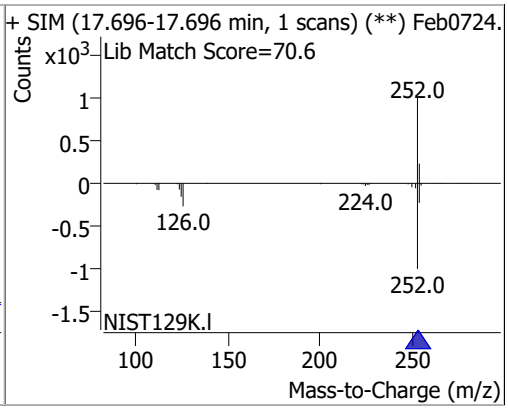




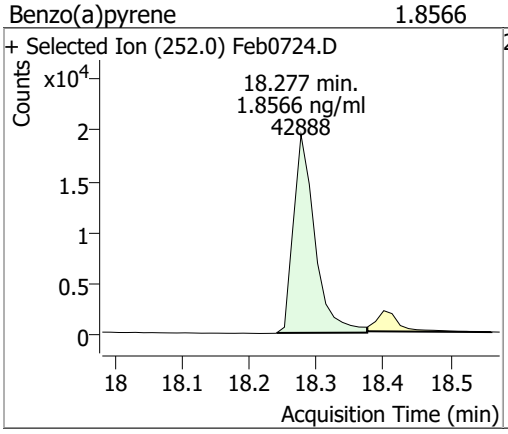
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	1.9231	17.70	0.00	58491	253.0	22.2	16.5	30.6

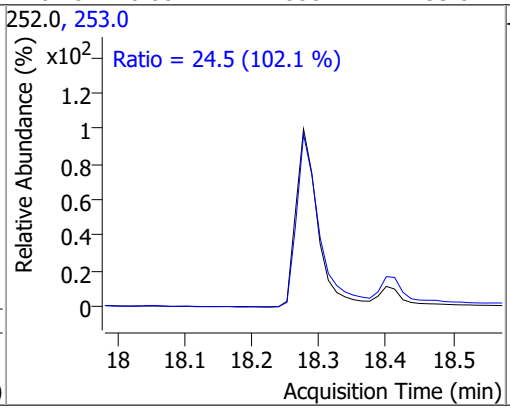


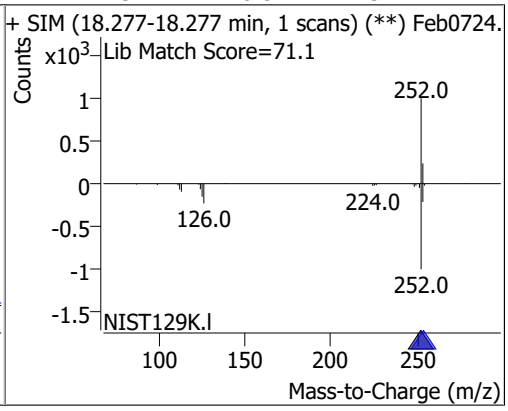




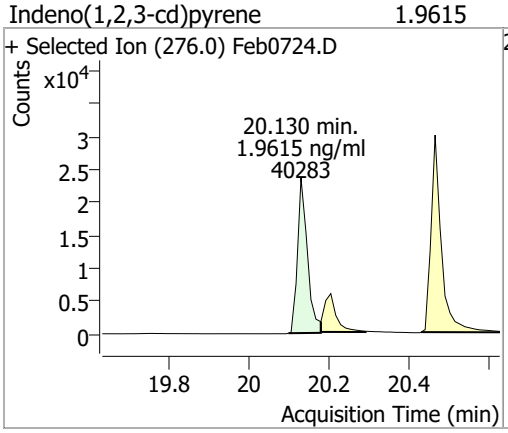
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	1.8566	18.28	0.00	42888	253.0	24.5	16.8	31.2

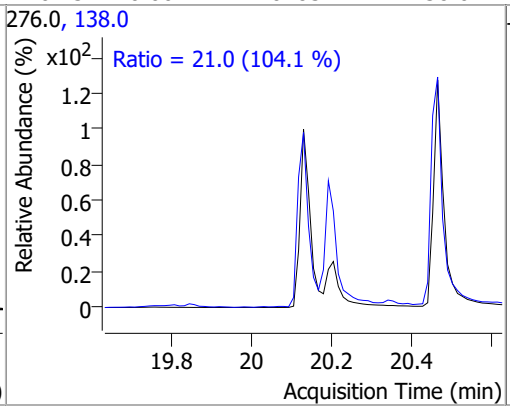


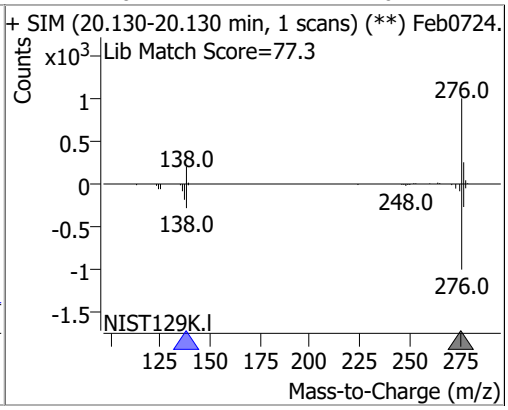




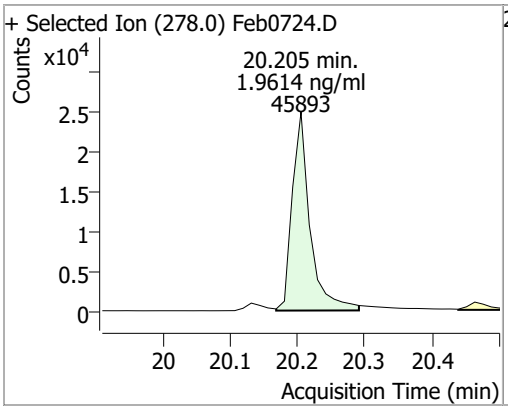
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	1.9615	20.13	0.00	40283	138.0	21.0	14.1	26.2

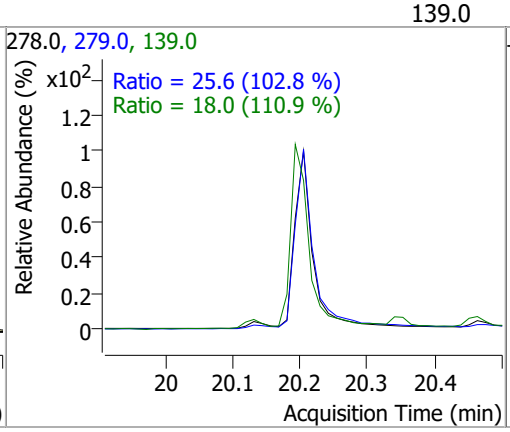


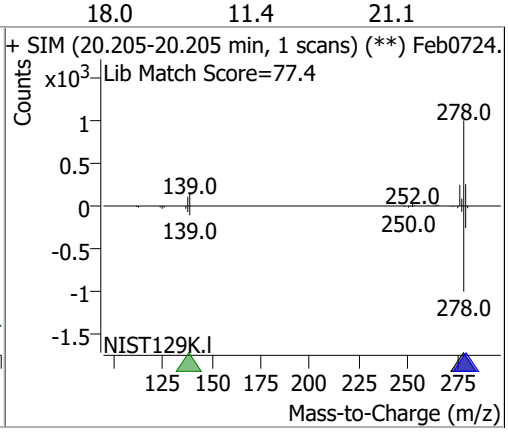




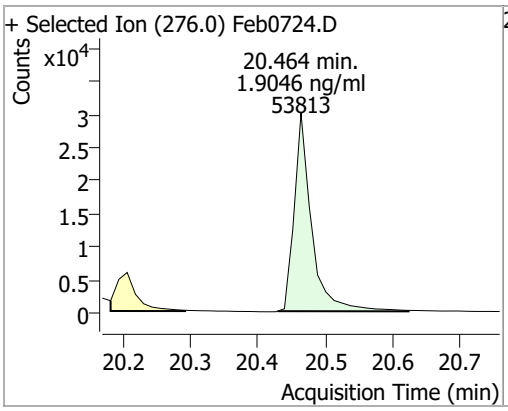
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	1.9614	20.20	0.00	45893	279.0	25.6	17.4	32.4
					139.0	18.0	11.4	21.1

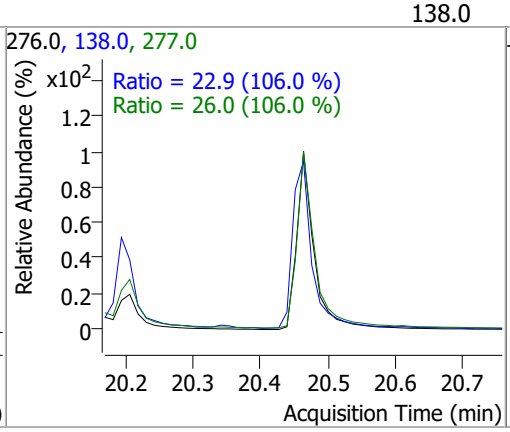


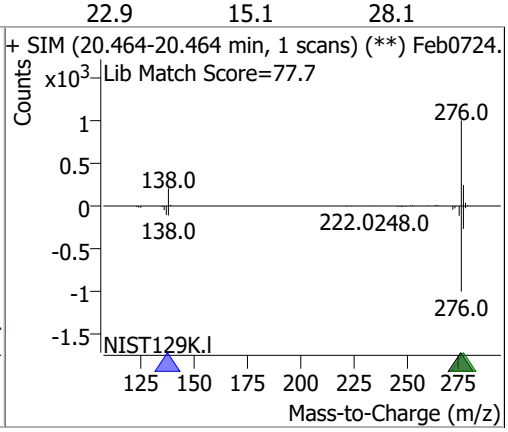




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	1.9046	20.46	0.00	53813	277.0	26.0	17.2	31.9
					138.0	22.9	15.1	28.1







Continuing Calibration Report

Agilent | Trusted Answers

Batch Name \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin
Method File
Daily CC \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIMFeb0724.D

Level name	Injection Time	Calibration Files	
7	2/7/2022 3:41:27 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	
6	2/7/2022 4:14:01 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	
5	2/7/2022 4:46:39 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	
4	2/7/2022 5:19:11 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	
3	2/7/2022 5:51:55 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	
2	2/7/2022 6:24:31 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	
1	2/7/2022 6:57:09 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	
CCV	2/8/2022 3:37:04 AM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0724.D	<======

ISTD Compound:	Avg Resp	Mid Resp	CC Resp	Area%	A/M
1,4-Dichlorobenzene-d4	446749	461660	362289	78.48	M
Naphthalene-d8	1576067	1672073	1315391	78.67	M
Acenaphthene-d10	1086425	1119297	876934	78.35	M
Phenanthrene-d10	1954951	2036232	1610358	79.09	M
Chrysene-d12	1590788	1667940	1301737	78.04	M
Perylene-d12	951821	1019908	767410	75.24	M

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
1,4-Dichlorobenzene-d4	----------ISTD----------						
Nitrobenzene-d5	0.7974	0.6693	2.00	1.68	-16.07	77.51	Avg RF
Naphthalene-d8	----------ISTD----------						
Naphthalene	0.9998	0.9855	2.00	1.82	8.84	73.11	Quadratic
2-Methylnaphthalene	0.9996	0.6339	2.00	1.94	2.95	78.00	Quadratic
1-Methylnaphthalene	0.9985	0.5900	2.00	1.68	16.07	71.58	Quadratic
Acenaphthene-d10	----------ISTD----------						
2-Fluorobiphenyl	0.9995	1.1818	2.00	1.87	6.43	73.58	Quadratic
Acenaphthylene	1.5334	1.3748	2.00	1.79	-10.34	72.22	Avg RF
Acenaphthene	0.9998	1.0219	2.00	1.83	8.72	72.66	Quadratic
Fluorene	0.9992	1.1540	2.00	1.75	12.27	72.75	Quadratic
Phenanthrene-d10	----------ISTD----------						
Phenanthrene	0.9995	0.9503	2.00	1.82	9.11	75.70	Quadratic
Anthracene	0.9993	0.7850	2.00	1.90	5.08	77.32	Quadratic
o-Terphenyl	0.9990	0.5585	2.00	1.89	5.35	77.27	Quadratic
Fluoranthene	0.9998	0.9156	2.00	1.87	6.59	73.27	Quadratic
Chrysene-d12	----------ISTD----------						
Pyrene	0.9998	1.2745	2.00	1.89	5.28	74.17	Quadratic
Terphenyl-d14	0.9995	0.7889	2.00	1.87	6.55	75.96	Quadratic
Benzo(a)Anthracene	0.9996	0.8812	2.00	1.84	8.21	74.46	Quadratic
Chrysene	0.9991	1.2553	2.00	1.93	3.52	79.47	Quadratic
Perylene-d12	----------ISTD----------						
Benzo(b)fluoranthene	0.9994	1.3067	2.00	1.91	4.74	76.00	Quadratic
Benzo(k)fluoranthene	0.9987	1.5244	2.00	1.92	3.85	78.12	Quadratic
Benzo(a)pyrene	0.9995	1.1177	2.00	1.86	7.17	73.10	Quadratic
Indeno(1,2,3-cd)pyrene	0.9999	1.0498	2.00	1.96	1.93	75.10	Quadratic
Dibenzo(a,h)anthracene	0.9994	1.1961	2.00	1.96	1.93	78.05	Quadratic
Benzo(g,h,i)perylene	0.9989	1.4025	2.00	1.90	4.77	76.92	Quadratic

A -- against Average; M -- against Mid Point; P -- against Previous CC in the Method;

Batch name and path: \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin
Quant batch version: 10.0
Quant reporting version: 10.0

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdNewBatchTable	BL2000\jheine	2/7/2022 3:37:09 PM	Create new batch \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\020722 bna SIM 1.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	2/7/2022 3:37:14 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0701.D			✓	
CmdSetSampleAttribute	BL2000\jheine	2/7/2022 3:37:17 PM	Set SampleType = TuneCheck for sample Feb0701.D; previous value = Sample			✓	
CmdSaveBatchTable	BL2000\jheine	2/7/2022 3:38:35 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	2/7/2022 4:05:20 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D			✓	
CmdStartMethodEditing	BL2000\jheine	2/7/2022 4:05:51 PM	Start method editing			✓	
CmdImportMethodFromBatch	BL2000\jheine	2/7/2022 4:05:55 PM	Import method from batch \\MASSHUNTER\Org\Data\SV5975.I\sh013122\2 e8270c bna SIM\013122 bna SIM 2.batch.bin			✓	
CmdApplyMethodToAllSamples	BL2000\jheine	2/7/2022 4:05:59 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\jheine	2/7/2022 4:05:59 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\jheine	2/7/2022 4:06:00 PM	End method editing			✓	
CmdQuantitate	BL2000\jheine	2/7/2022 4:06:04 PM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\jheine	2/7/2022 4:06:09 PM	Set SampleType = Calibration for sample Feb0702.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/7/2022 4:06:11 PM	Set LevelName = 7 for sample Feb0702.D; previous value =			✓	
CmdQuantitate	BL2000\jheine	2/7/2022 4:06:12 PM	Quantitate all compounds in sample Feb0702.D			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/7/2022 4:07:02 PM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb0702.D, from x, y = 5.928, 4286 to 6.028, 223, result = 43007; previous integration is from x, y = 5.891, 223 to 6.028, 223 and previous response = 69170.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/7/2022 4:07:04 PM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb0702.D to y = 223, new integration is from x, y = 5.928, 223 to 6.028, 223 and new response = 55182; previous integration is from x, y = 5.928, 4286 to 6.028, 223 and previous response = 43007.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/7/2022 4:07:13 PM	Manually integrate compound 1-Methylnaphthalene in sample Feb0702.D, from x, y = 6.852, 27275 to 6.940, 54816, result = 58717; previous integration is from x, y = 6.727, 278 to 6.852, 278 and previous response = 305174.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/7/2022 4:07:14 PM	Snap baseline for compound 1-Methylnaphthalene in sample Feb0702.D, from x = 6.852 to x = 6.940, new integration is from x, y = 6.852, 1894 to 6.940, 2350 and new response = 262871; previous integration is from x, y = 6.852, 27275 to 6.940, 54816 and previous response = 58717.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/7/2022 4:07:15 PM	Drop baseline for compound 1-Methylnaphthalene in sample Feb0702.D to y = 1894, new integration is from x, y = 6.852, 1894 to 6.940, 1894 and new response = 264067; previous integration is from x, y = 6.852, 1894 to 6.940, 2350 and previous response = 262871.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/7/2022 4:07:18 PM	Manually integrate qualifier142.0 of compound 1-Methylnaphthalene in sample Feb0702.D from x, y = 6.852, 33420 to 6.940, 57878; result = 71747			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/7/2022 4:07:18 PM	Snap baseline for qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb0702.D from x = 6.852 to x = 6.940, new integration is from x, y = 6.852, 3960 to 6.940, 3153 and new response = 292522; previous integration is from x, y = 6.852, 33420 to 6.940, 57878 and previous response = 71747.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/7/2022 4:07:19 PM	Drop baseline for qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb0702.D to y = 3153, new integration is from x, y = 6.852, 3153 to 6.940, 3153 and new response = 294639; previous integration is from x, y = 6.852, 3960 to 6.940, 3153 and previous response = 292522.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/7/2022 4:07:21 PM	Drop baseline for qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb0702.D to y = 3153, new integration is from x, y = 6.852, 3153 to 6.940, 3153 and new response = 294639; previous integration is from x, y = 6.852, 3153 to 6.940, 3153 and previous response = 294639.			✓	
CmdSelectPeak	BL2000\jheine	2/7/2022 4:07:31 PM	Select peak for compound Phenanthrene in sample Feb0702.D			✓	
CmdSelectPeak	BL2000\jheine	2/7/2022 4:07:42 PM	Select peak for qualifier 229.0 of compound Benzo(a)Anthracene in sample Feb0702.D			✓	
CmdSelectPeak	BL2000\jheine	2/7/2022 4:07:44 PM	Select peak for compound Benzo(a)Anthracene in sample Feb0702.D			✓	
CmdSelectPeak	BL2000\jheine	2/7/2022 4:07:55 PM	Select peak for compound Benzo(b)fluoranthene in sample Feb0702.D			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/7/2022 4:07:57 PM	Set UserAnnotation = RT for compound Benzo(b)fluoranthene in sample Feb0702.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/7/2022 4:08:00 PM	Set UserAnnotation = RT for compound Benzo(a)Anthracene in sample Feb0702.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/7/2022 4:08:03 PM	Set UserAnnotation = RT for compound Phenanthrene in sample Feb0702.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/7/2022 4:08:08 PM	Set UserAnnotation = GT for compound 1-Methylnaphthalene in sample Feb0702.D; previous value =			✓	
CmdSelectPeak	BL2000\jheine	2/7/2022 4:08:15 PM	Select peak for compound Benzo(a)pyrene in sample Feb0702.D			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/7/2022 4:08:21 PM	Set UserAnnotation = RT for compound Benzo(a)pyrene in sample Feb0702.D; previous value =			✓	
CmdSelectPeak	BL2000\jheine	2/7/2022 4:08:25 PM	Select peak for compound Indeno(1,2,3-cd)pyrene in sample Feb0702.D			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/7/2022 4:08:28 PM	Set UserAnnotation = RT for compound Indeno(1,2,3-cd)pyrene in sample Feb0702.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdUpdateRetentionTimes	BL2000\jheine	2/7/2022 4:08:53 PM	Update retention time for compound Perylene-d12; Chrysene-d12; Phenanthrene-d10; Acenaphthene-d10; Naphthalene-d8; 1,4-Dichlorobenzene-d4; o-Terphenyl; Terphenyl-d14; 2-Fluorobiphenyl; Nitrobenzene-d5; Dibenzo(a,h)anthracene; Indeno(1,2,3-cd)pyrene; Benzo(a)pyrene; Benzo(k)fluoranthene; Benzo(b)fluoranthene; Chrysene; Benzo(a)Anthracene; Pyrene; Fluoranthene; Anthracene; Phenanthrene; Fluorene; Acenaphthene; Acenaphthylene; 1-Methylnaphthalene; 2-Methylnaphthalene; Naphthalene; Benzo(g,h,i)perylene;			✓	
CmdQuantitate	BL2000\jheine	2/7/2022 4:08:58 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\jheine	2/7/2022 4:09:41 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin			✓	
CmdOpenBatchTable	BL2000\jheine	2/8/2022 8:29:57 AM	Open batch \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\020722 bna SIM 1.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	2/8/2022 8:32:48 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0709.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0708.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0707.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0706.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0705.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0704.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0703.D			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 8:33:04 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/8/2022 8:33:43 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb0704.D, from x, y = 5.928, 1441 to 6.028, 154, result = 9433; previous integration is from x, y = 5.860, 151 to 6.028, 154 and previous response = 21049.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 8:33:45 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb0704.D to y = 154, new integration is from x, y = 5.928, 154 to 6.028, 154 and new response = 13291; previous integration is from x, y = 5.928, 1441 to 6.028, 154 and previous response = 9433.			✓	
CmdUpdateRetentionTimes	BL2000\jheine	2/8/2022 8:34:30 AM	Update retention time for compound Perylene-d12; Chrysene-d12; Phenanthrene-d10; Acenaphthene-d10; Naphthalene-d8; 1,4-Dichlorobenzene-d4; o-Terphenyl; Terphenyl-d14; 2-Fluorobiphenyl; Nitrobenzene-d5; Dibenzo(a,h)anthracene; Indeno(1,2,3-cd)pyrene; Benzo(a)pyrene; Benzo(k)fluoranthene; Benzo(b)fluoranthene; Chrysene; Benzo(a)Anthracene; Pyrene; Fluoranthene; Anthracene; Phenanthrene; Fluorene; Acenaphthene; Acenaphthylene; 1-Methylnaphthalene; 2-Methylnaphthalene; Naphthalene; Benzo(g,h,i)perylene;			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 8:34:54 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdUpdateQualifierRatios	BL2000\jheine	2/8/2022 8:36:16 AM	Update qualifier ratios for compound Perylene-d12; Update qualifier ratios for compound Chrysene-d12; Update qualifier ratios for compound Phenanthrene-d10; Update qualifier ratios for compound Acenaphthene-d10; Update qualifier ratios for compound Naphthalene-d8; Update qualifier ratios for compound 1,4-Dichlorobenzene-d4; Update qualifier ratios for compound o-Terphenyl; Update qualifier ratios for compound Terphenyl-d14; Update qualifier ratios for compound 2-Fluorobiphenyl; Update qualifier ratios for compound Nitrobenzene-d5; Update qualifier ratios for compound Dibenzo(a,h)anthracene; Update qualifier ratios for compound Indeno(1,2,3-cd)pyrene; Update qualifier ratios for compound Benzo(a)pyrene; Update qualifier ratios for compound Benzo(k)fluoranthene; Update qualifier ratios for compound Benzo(b)fluoranthene; Update qualifier ratios for compound Chrysene; Update qualifier ratios for compound Benzo(a)Anthracene; Update qualifier ratios for compound Pyrene; Update qualifier ratios for compound Fluoranthene; Update qualifier ratios for compound Anthracene; Update qualifier ratios for compound Phenanthrene; Update qualifier ratios for compound Fluorene; Update qualifier ratios for compound Acenaphthene; Update qualifier ratios for compound Acenaphthylene; Update qualifier ratios for compound 1-Methylnaphthalene; Update qualifier ratios for compound 2-Methylnaphthalene; Update qualifier ratios for compound Naphthalene; Update qualifier ratios for compound Benzo(g,h,i)perylene;			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 8:36:25 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/8/2022 8:36:59 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb0703.D, from x, y = 5.928, 1847 to 6.028, 240, result = 25231; previous integration is from x, y = 5.891, 202 to 6.028, 240 and previous response = 40518.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/8/2022 8:37:00 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb0703.D to y = 240, new integration is from x, y = 5.928, 240 to 6.028, 240 and new response = 30048; previous integration is from x, y = 5.928, 1847 to 6.028, 240 and previous response = 25231.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/8/2022 8:37:12 AM	Manually integrate qualifier152.0 of compound Acenaphthene in sample Feb0703.D from x, y = 7.976, 21692 to 8.050, 60152; result = -101258			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 8:37:13 AM	Snap baseline for qualifier 152.0 of compound Acenaphthene in sample Feb0703.D from x = 7.976 to x = 8.050, new integration is from x, y = 7.976, 644 to 8.050, 1547 and new response = 77445; previous integration is from x, y = 7.976, 21692 to 8.050, 60152 and previous response = -101258.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/8/2022 8:37:14 AM	Drop baseline for qualifier 152.0 of compound Acenaphthene in sample Feb0703.D to y = 644, new integration is from x, y = 7.976, 644 to 8.050, 644 and new response = 79471; previous integration is from x, y = 7.976, 644 to 8.050, 1547 and previous response = 77445.			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 8:39:23 AM	Quantitate all compounds in all samples			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 8:39:34 AM	Quantitate all compounds in sample Feb0705.D			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 8:39:39 AM	Quantitate compound Nitrobenzene-d5 in sample Feb0705.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/8/2022 8:49:37 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb0706.D, from x, y = 5.941, 769 to 6.003, 158, result = 1945; previous integration is from x, y = 5.903, 139 to 6.003, 158 and previous response = 10656.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/8/2022 8:49:39 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb0706.D to y = 158, new integration is from x, y = 5.941, 158 to 6.003, 158 and new response = 3089; previous integration is from x, y = 5.941, 769 to 6.003, 158 and previous response = 1945.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/8/2022 8:50:25 AM	Manually integrate qualifier 128.0 of compound Nitrobenzene-d5 in sample Feb0707.D, from x, y = 5.143, 274 to 5.392, 327, result = 132; previous integration is from x, y = 5.151, 260 to 5.466, 247 and previous response = 907.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 8:50:26 AM	Snap baseline for qualifier 128.0 of compound Nitrobenzene-d5 in sample Feb0707.D from x = 5.143 to x = 5.392, new integration is from x, y = 5.143, 248 to 5.392, 265 and new response = 781; previous integration is from x, y = 5.143, 274 to 5.392, 327 and previous response = 132.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/8/2022 8:50:27 AM	Drop baseline for qualifier 128.0 of compound Nitrobenzene-d5 in sample Feb0707.D to y = 248, new integration is from x, y = 5.143, 248 to 5.392, 248 and new response = 908; previous integration is from x, y = 5.143, 248 to 5.392, 265 and previous response = 781.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/8/2022 8:50:34 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb0707.D, from x, y = 5.941, 444 to 6.015, 114, result = 1194; previous integration is from x, y = 5.891, 113 to 6.015, 114 and previous response = 10422.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/8/2022 8:50:36 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb0707.D to y = 114, new integration is from x, y = 5.941, 114 to 6.015, 114 and new response = 1936; previous integration is from x, y = 5.941, 444 to 6.015, 114 and previous response = 1194.			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/8/2022 8:50:47 AM	Manually integrate compound Acenaphthene in sample Feb0707.D, from x, y = 8.000, 3429 to 8.175, 147, result = -9749; previous integration is from x, y = 7.954, 145 to 8.175, 147 and previous response = 11307.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/8/2022 8:50:49 AM	Drop baseline for compound Acenaphthene in sample Feb0707.D to y = 147, new integration is from x, y = 8.000, 147 to 8.175, 147 and new response = 7429; previous integration is from x, y = 8.000, 3429 to 8.175, 147 and previous response = -9749.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 8:51:27 AM	Manually integrate compound Nitrobenzene-d5 in sample Feb0708.D, from x, y = 5.156, 342 to 5.317, 440, result = 61; previous integration is from x, y = 5.157, 320 to 5.379, 324 and previous response = 757.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 8:51:28 AM	Snap baseline for compound Nitrobenzene-d5 in sample Feb0708.D, from x = 5.156 to x = 5.317, new integration is from x, y = 5.156, 310 to 5.317, 336 and new response = 719; previous integration is from x, y = 5.156, 342 to 5.317, 440 and previous response = 61.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/8/2022 8:51:29 AM	Drop baseline for compound Nitrobenzene-d5 in sample Feb0708.D to y = 310, new integration is from x, y = 5.156, 310 to 5.317, 310 and new response = 845; previous integration is from x, y = 5.156, 310 to 5.317, 336 and previous response = 719.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/8/2022 8:51:35 AM	Manually integrate qualifier 128.0 of compound Nitrobenzene-d5 in sample Feb0708.D, from x, y = 5.143, 249 to 5.280, 284, result = 166; previous integration is from x, y = 5.143, 249 to 5.442, 238 and previous response = 516.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/8/2022 8:51:36 AM	Drop baseline for qualifier 128.0 of compound Nitrobenzene-d5 in sample Feb0708.D to y = 249, new integration is from x, y = 5.143, 249 to 5.280, 249 and new response = 309; previous integration is from x, y = 5.143, 249 to 5.280, 284 and previous response = 166.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/8/2022 8:51:40 AM	Manually integrate qualifier 54.0 of compound Nitrobenzene-d5 in sample Feb0708.D, from x, y = 5.156, 223 to 5.268, 229, result = 102; previous integration is from x, y = 5.158, 214 to 5.268, 210 and previous response = 190.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 8:51:43 AM	Snap baseline for qualifier 54.0 of compound Nitrobenzene-d5 in sample Feb0708.D from x = 5.156 to x = 5.268, new integration is from x, y = 5.156, 209 to 5.268, 212 and new response = 207; previous integration is from x, y = 5.156, 223 to 5.268, 229 and previous response = 102.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 8:51:43 AM	Drop baseline for qualifier 54.0 of compound Nitrobenzene-d5 in sample Feb0708.D to y = 209, new integration is from x, y = 5.156, 209 to 5.268, 209 and new response = 217; previous integration is from x, y = 5.156, 209 to 5.268, 212 and previous response = 207.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 8:51:57 AM	Set UserAnnotation = LT for compound Nitrobenzene-d5 in sample Feb0708.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 8:52:02 AM	Set UserAnnotation = GT for compound Nitrobenzene-d5 in sample Feb0708.D; previous value = LT			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 8:52:11 AM	Set UserAnnotation = CO for compound Acenaphthene in sample Feb0707.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/8/2022 8:52:42 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb0709.D, from x, y = 5.928, 2149 to 6.091, 127, result = 4360; previous integration is from x, y = 5.858, 127 to 6.091, 127 and previous response = 20761.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 8:52:44 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb0709.D to y = 127, new integration is from x, y = 5.928, 127 to 6.091, 127 and new response = 14211; previous integration is from x, y = 5.928, 2149 to 6.091, 127 and previous response = 4360.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/8/2022 8:52:52 AM	Manually integrate qualifier142.0 of compound 1-Methylnaphthalene in sample Feb0709.D from x, y = 6.865, 12102 to 6.990, 16644; result = -43986			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 8:52:53 AM	Snap baseline for qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb0709.D from x = 6.865 to x = 6.990, new integration is from x, y = 6.865, 1450 to 6.990, 827 and new response = 55178; previous integration is from x, y = 6.865, 12102 to 6.990, 16644 and previous response = -43986.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 8:52:54 AM	Drop baseline for qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb0709.D to y = 827, new integration is from x, y = 6.865, 827 to 6.990, 827 and new response = 57512; previous integration is from x, y = 6.865, 1450 to 6.990, 827 and previous response = 55178.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:58:25 AM	Set SampleType = Calibration for sample Feb0703.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:58:28 AM	Set SampleType = Calibration for sample Feb0704.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:58:31 AM	Set SampleType = Calibration for sample Feb0705.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:58:34 AM	Set SampleType = Calibration for sample Feb0706.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:58:36 AM	Set SampleType = Calibration for sample Feb0707.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:58:39 AM	Set SampleType = Calibration for sample Feb0708.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:58:42 AM	Set SampleType = QC for sample Feb0709.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:58:45 AM	Set LevelName = ICV for sample Feb0709.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:58:48 AM	Set LevelName = 1 for sample Feb0708.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:58:51 AM	Set LevelName = 2 for sample Feb0707.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:58:54 AM	Set LevelName = 3 for sample Feb0706.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:58:57 AM	Set LevelName = 4 for sample Feb0705.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:59:00 AM	Set LevelName = 5 for sample Feb0704.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 8:59:03 AM	Set LevelName = 6 for sample Feb0703.D; previous value =			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 8:59:08 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\jheine	2/8/2022 8:59:59 AM	Replace level ICV with QC sample Feb0709.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 1 with Calibration sample Feb0708.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 2 with Calibration sample Feb0707.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 3 with Calibration sample Feb0706.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 4 with Calibration sample Feb0705.D for compounds {Benzo(g,h,i)perylene,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 5 with Calibration sample Feb0704.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 6 with Calibration sample Feb0703.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5}; Replace level 7 with Calibration sample Feb0702.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5};				
CmdQuantitate	BL2000\jheine	2/8/2022 9:00:05 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:00:10 AM	Set CurveFit = fitAverageOfResponseFactors for compound Nitrobenzene-d5 in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:00:13 AM	Set CurveFitWeight = weightEqual for compound Nitrobenzene-d5 in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 9:00:19 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:00:33 AM	Set CurveFit = fitAverageOfResponseFactors for compound Naphthalene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:00:37 AM	Set CurveFit = fitQuadratic for compound Naphthalene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:00:43 AM	Set CurveFit = fitAverageOfResponseFactors for compound 2-Methylnaphthalene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:00:45 AM	Set CurveFit = fitQuadratic for compound 2-Methylnaphthalene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:00:49 AM	Set CurveFit = fitAverageOfResponseFactors for compound 1-Methylnaphthalene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:00:51 AM	Set CurveFit = fitQuadratic for compound 1-Methylnaphthalene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:00:55 AM	Set CurveFit = fitAverageOfResponseFactors for compound Acenaphthylene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:00:58 AM	Set CurveFitWeight = weightEqual for compound Acenaphthylene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 9:01:04 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:01:26 AM	Manually integrate compound Acenaphthene in sample Feb0708.D, from x, y = 8.001, 229 to 8.150, 123, result = 4242; previous integration is from x, y = 7.938, 123 to 8.150, 123 and previous response = 8604.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:01:27 AM	Drop baseline for compound Acenaphthene in sample Feb0708.D to y = 123, new integration is from x, y = 8.001, 123 to 8.150, 123 and new response = 4718; previous integration is from x, y = 8.001, 229 to 8.150, 123 and previous response = 4242.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:01:30 AM	Set UserAnnotation = CO for compound Acenaphthene in sample Feb0708.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\jheine	2/8/2022 9:01:59 AM	Replace level ICV with QC sample Feb0709.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene}; Replace level 1 with Calibration sample Feb0708.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene}; Replace level 2 with Calibration sample Feb0707.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene}; Replace level 3 with Calibration sample Feb0706.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Nitrobenzene-d5, Acenaphthene}; Replace level 4 with Calibration sample Feb0705.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene}; Replace level 5 with Calibration sample Feb0704.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene}; Replace level 6 with Calibration sample Feb0703.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene}; Replace level 7 with Calibration sample Feb0702.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Acenaphthene};				
CmdQuantitate	BL2000\jheine	2/8/2022 9:02:03 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:03:03 AM	Set CurveFitWeight = weightOneOverX for compound Acenaphthene in all samples; previous value = weightOneOverXSquared			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 9:03:09 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:03:12 AM	Set CurveFit = fitAverageOfResponseFactors for compound Acenaphthene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:03:15 AM	Set CurveFit = fitQuadratic for compound Acenaphthene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:03:24 AM	Set CurveFit = fitAverageOfResponseFactors for compound 2-Fluorobiphenyl in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:03:27 AM	Set CurveFit = fitQuadratic for compound 2-Fluorobiphenyl in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:03:30 AM	Set CurveFit = fitAverageOfResponseFactors for compound Phenanthrene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:03:33 AM	Set CurveFit = fitQuadratic for compound Phenanthrene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:03:39 AM	Set CurveFit = fitAverageOfResponseFactors for compound Anthracene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:03:42 AM	Set CurveFit = fitQuadratic for compound Anthracene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:03:52 AM	Set CurveFit = fitAverageOfResponseFactors for compound o-Terphenyl in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:03:55 AM	Set CurveFit = fitQuadratic for compound o-Terphenyl in all samples; previous value = fitQuadratic			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:04:28 AM	Manually integrate compound Benzo(k)fluoranthene in sample Feb0708.D, from x, y = 17.684, 894 to 17.980, 453, result = -4709; previous integration is from x, y = 17.684, 159 to 17.928, 123 and previous response = 4849.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:04:31 AM	Snap baseline for compound Benzo(k)fluoranthene in sample Feb0708.D, from x = 17.684 to x = 17.980, new integration is from x, y = 17.684, 685 to 17.980, 102 and new response = 274; previous integration is from x, y = 17.684, 894 to 17.980, 453 and previous response = -4709.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:04:31 AM	Drop baseline for compound Benzo(k)fluoranthene in sample Feb0708.D to y = 102, new integration is from x, y = 17.684, 102 to 17.980, 102 and new response = 5460; previous integration is from x, y = 17.684, 685 to 17.980, 102 and previous response = 274.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:04:35 AM	Set UserAnnotation = BA for compound Benzo(k)fluoranthene in sample Feb0708.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\jheine	2/8/2022 9:04:46 AM	Replace level ICV with QC sample Feb0709.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(k)fluoranthene}; Replace level 1 with Calibration sample Feb0708.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(k)fluoranthene}; Replace level 2 with Calibration sample Feb0707.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(k)fluoranthene}; Replace level 3 with Calibration sample Feb0706.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(k)fluoranthene}; Replace level 4 with Calibration sample Feb0705.D for compounds {Benzo(g,h,i)perylene,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(k)fluoranthene}; Replace level 5 with Calibration sample Feb0704.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(k)fluoranthene}; Replace level 6 with Calibration sample Feb0703.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(k)fluoranthene}; Replace level 7 with Calibration sample Feb0702.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(a)pyrene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(k)fluoranthene};				
CmdQuantitate	BL2000\jheine	2/8/2022 9:04:52 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:05:12 AM	Manually integrate compound Indeno(1,2,3-cd)pyrene in sample Feb0708.D, from x, y = 20.107, 70 to 20.192, 207, result = 2736; previous integration is from x, y = 20.107, 70 to 20.365, 73 and previous response = 4700.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:05:13 AM	Drop baseline for compound Indeno(1,2,3-cd)pyrene in sample Feb0708.D to y = 70, new integration is from x, y = 20.107, 70 to 20.192, 70 and new response = 3086; previous integration is from x, y = 20.107, 70 to 20.192, 207 and previous response = 2736.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:05:15 AM	Set UserAnnotation = CO for compound Indeno(1,2,3-cd)pyrene in sample Feb0708.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\jheine	2/8/2022 9:05:30 AM	Replace level ICV with QC sample Feb0709.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Indeno(1,2,3-cd)pyrene}; Replace level 1 with Calibration sample Feb0708.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Indeno(1,2,3-cd)pyrene}; Replace level 2 with Calibration sample Feb0707.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Indeno(1,2,3-cd)pyrene}; Replace level 3 with Calibration sample Feb0706.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Indeno(1,2,3-cd)pyrene}; Replace level 4 with Calibration sample Feb0705.D for compounds {Benzo(g,h,i)perylene,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Dibenzo(a,h)anthracene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Indeno(1,2,3-cd)pyrene}; Replace level 5 with Calibration sample Feb0704.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Indeno(1,2,3-cd)pyrene}; Replace level 6 with Calibration sample Feb0703.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Indeno(1,2,3-cd)pyrene}; Replace level 7 with Calibration sample Feb0702.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Indeno(1,2,3-cd)pyrene};				
CmdQuantitate	BL2000\jheine	2/8/2022 9:05:35 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:05:46 AM	Set CurveFit = fitAverageOfResponseFactors for compound Indeno(1,2,3-cd)pyrene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:05:50 AM	Set CurveFitWeight = weightEqual for compound Indeno(1,2,3-cd)pyrene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 9:05:56 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:06:00 AM	Set CurveFit = fitQuadratic for compound Indeno(1,2,3-cd)pyrene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:06:01 AM	Set CurveFitWeight = weightOneOverX for compound Indeno(1,2,3-cd)pyrene in all samples; previous value = weightOneOverX			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 9:06:07 AM	Quantitate all compounds in all samples			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	2/8/2022 9:07:17 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0724.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0723.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0722.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0721.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0720.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0719.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0718.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0717.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0716.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0715.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0714.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0713.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0712.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0711.D, \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\Feb0710.D			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:07:26 AM	Set SampleType = Blank for sample Feb0711.D; previous value = Sample			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:07:31 AM	Set SampleType = Matrix for sample Feb0712.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:07:34 AM	Set SampleType = MatrixDup for sample Feb0713.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:07:38 AM	Set SampleType = Matrix for sample Feb0715.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:07:42 AM	Set SampleType = Matrix for sample Feb0717.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:07:47 AM	Set MatrixSpikeGroup = B22011592-006C for sample Feb0716.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:07:49 AM	Set MatrixSpikeGroup = B22011592-006C for sample Feb0717.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:07:53 AM	Set MatrixSpikeGroup = B22011592-001C for sample Feb0714.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:07:54 AM	Set MatrixSpikeGroup = B22011592-001C for sample Feb0715.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:07:58 AM	Set MatrixSpikeGroup = MB-163333 for sample Feb0711.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:08:02 AM	Set MatrixSpikeGroup = MB-163333 for sample Feb0712.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:08:04 AM	Set MatrixSpikeGroup = MB-163333 for sample Feb0713.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:08:13 AM	Set SampleInformation = MatrixA for sample Feb0712.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:08:17 AM	Set SampleInformation = MatrixA for sample Feb0713.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:08:18 AM	Set SampleInformation = MatrixA for sample Feb0715.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 9:08:20 AM	Set SampleInformation = MatrixA for sample Feb0717.D; previous value =			✓	
CmdStartMethodEditing	BL2000\jheine	2/8/2022 9:08:49 AM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\jheine	2/8/2022 9:08:49 AM	Import method from sample Feb0717.D			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:40 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:40 AM	Set PeakFilterThresholdValue = 2876.3967000971 for compound Naphthalene; previous value = 556.047048741229			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:40 AM	No parameter change for ThresholdNumberOfPeaks			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:40 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:41 AM	Set PeakFilterThresholdValue = 321.673551240114 for qualifier 129.0 of compound Naphthalene; previous value = 61.1233050731016			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:41 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:41 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:41 AM	Set PeakFilterThresholdValue = 431.245752148596 for qualifier 102.0 of compound Naphthalene; previous value = 110.383348557415			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:42 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:42 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:42 AM	Set PeakFilterThresholdValue = 1644.26573702702 for compound 2-Methylnaphthalene; previous value = 308.667237500002			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:42 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:42 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:42 AM	Set PeakFilterThresholdValue = 2231.14978850617 for qualifier 142.0 of compound 2-Methylnaphthalene; previous value = 434.502679515188			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:43 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:43 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:43 AM	Set PeakFilterThresholdValue = 773.818610217637 for qualifier 115.0 of compound 2-Methylnaphthalene; previous value = 184.261213073991			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:43 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:43 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:44 AM	Set PeakFilterThresholdValue = 1937.1065034811 for compound 1-Methylnaphthalene; previous value = 349.881033854167			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:44 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:44 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:44 AM	Set PeakFilterThresholdValue = 2149.04469637792 for qualifier 142.0 of compound 1-Methylnaphthalene; previous value = 395.844520979499			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:44 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:44 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:44 AM	Set PeakFilterThresholdValue = 1012.06697164975 for qualifier 115.0 of compound 1-Methylnaphthalene; previous value = 237.381833068489			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:45 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:45 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:45 AM	Set PeakFilterThresholdValue = 2096.77416413672 for compound Acenaphthylene; previous value = 537.083925833335			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:45 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:45 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:45 AM	Set PeakFilterThresholdValue = 368.75752935442 for qualifier 153.0 of compound Acenaphthylene; previous value = 68.7873861965026			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:45 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:46 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:46 AM	Set PeakFilterThresholdValue = 2358.75645025508 for compound Acenaphthene; previous value = 373.252000000011			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:46 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:46 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:46 AM	Set PeakFilterThresholdValue = 1245.97556436239 for qualifier 152.0 of compound Acenaphthene; previous value = 218.562419571157			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:46 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:47 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:47 AM	Set PeakFilterThresholdValue = 2567.30990000207 for qualifier 153.0 of compound Acenaphthene; previous value = 438.027552091583			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:47 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:47 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:47 AM	Set PeakFilterThresholdValue = 2224.33087777785 for compound Fluorene; previous value = 424.777029134499			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:48 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:48 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:48 AM	Set PeakFilterThresholdValue = 1795.31667031326 for qualifier 165.0 of compound Fluorene; previous value = 419.107271211773			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:48 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:48 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:48 AM	Set PeakFilterThresholdValue = 267.140836108124 for qualifier 167.0 of compound Fluorene; previous value = 58.8152577920192			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:49 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:49 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:49 AM	Set PeakFilterThresholdValue = 4054.35323703485 for compound Phenanthrene; previous value = 694.128737567089			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:49 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:49 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:49 AM	Set PeakFilterThresholdValue = 746.632268833991 for qualifier 176.0 of compound Phenanthrene; previous value = 107.4326524611			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:49 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:50 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:50 AM	Set PeakFilterThresholdValue = 2964.84926971362 for compound Anthracene; previous value = 549.674737099558			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:50 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:50 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:51 AM	Set PeakFilterThresholdValue = 537.618821104674 for qualifier 176.0 of compound Anthracene; previous value = 99.4845614153201			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:51 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:51 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:51 AM	Set PeakFilterThresholdValue = 3287.24854940544 for compound Fluoranthene; previous value = 610.793500000007			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:51 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:51 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:51 AM	Set PeakFilterThresholdValue = 310.020266673602 for qualifier 101.0 of compound Fluoranthene; previous value = 84.1386311384159			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:52 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:52 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:52 AM	Set PeakFilterThresholdValue = 3977.66934334569 for compound Pyrene; previous value = 654.831749999997			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:52 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:52 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:52 AM	Set PeakFilterThresholdValue = 466.096035901101 for qualifier 101.0 of compound Pyrene; previous value = 100.500391321538			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:53 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:53 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:53 AM	Set PeakFilterThresholdValue = 4716.0743425365 for compound Benzo(a)Anthracene; previous value = 930.104750000004			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:53 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:53 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:53 AM	Set PeakFilterThresholdValue = 1164.31349573075 for qualifier 229.0 of compound Benzo(a)Anthracene; previous value = 214.084265757749			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:54 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:54 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:54 AM	Set PeakFilterThresholdValue = 1261.0763118306 for qualifier 226.0 of compound Benzo(a)Anthracene; previous value = 251.471683618724			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:54 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:54 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:54 AM	Set PeakFilterThresholdValue = 3713.24104567477 for compound Chrysene; previous value = 585.823999999995			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:55 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:55 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:55 AM	Set PeakFilterThresholdValue = 1133.61438597952 for qualifier 226.0 of compound Chrysene; previous value = 177.55192908342			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:55 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:55 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:55 AM	Set PeakFilterThresholdValue = 752.4816671737 for qualifier 229.0 of compound Chrysene; previous value = 125.316635310255			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:56 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:56 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:56 AM	Set PeakFilterThresholdValue = 1924.22303435986 for compound Benzo(b)fluoranthene; previous value = 377.169306815265			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:56 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:56 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:56 AM	Set PeakFilterThresholdValue = 428.106490524784 for qualifier 253.0 of compound Benzo(b)fluoranthene; previous value = 85.1966065229381			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:56 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:57 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:57 AM	Set PeakFilterThresholdValue = 2730.19925000005 for compound Benzo(k)fluoranthene; previous value = 386.411249999997			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:57 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:57 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:57 AM	Set PeakFilterThresholdValue = 643.014098243119 for qualifier 253.0 of compound Benzo(k)fluoranthene; previous value = 88.9221430187413			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:57 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:58 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:58 AM	Set PeakFilterThresholdValue = 1873.28862499998 for compound Benzo(a)pyrene; previous value = 285.618250000009			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:58 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:58 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:58 AM	Set PeakFilterThresholdValue = 450.209004844411 for qualifier 253.0 of compound Benzo(a)pyrene; previous value = 67.2428298292366			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:59 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:59 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:59 AM	Set PeakFilterThresholdValue = 1542.77587297706 for compound Indeno(1,2,3-cd)pyrene; previous value = 266.112953496991			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:09:59 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:09:59 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:00 AM	Set PeakFilterThresholdValue = 311.351769645034 for qualifier 138.0 of compound Indeno(1,2,3-cd)pyrene; previous value = 76.9869880142317			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:00 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:00 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:00 AM	Set PeakFilterThresholdValue = 1941.96158089213 for compound Dibenzo(a,h)anthracene; previous value = 325.884361205036			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:00 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:00 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:01 AM	Set PeakFilterThresholdValue = 483.57412106567 for qualifier 279.0 of compound Dibenzo(a,h)anthracene; previous value = 81.8984960160734			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:01 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:01 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:01 AM	Set PeakFilterThresholdValue = 315.530645247294 for qualifier 139.0 of compound Dibenzo(a,h)anthracene; previous value = 78.5354573917998			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:01 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:02 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:02 AM	Set PeakFilterThresholdValue = 2445.86630695365 for compound Benzo(g,h,i)perylene; previous value = 403.29425			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:02 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:02 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:02 AM	Set PeakFilterThresholdValue = 529.173798535417 for qualifier 138.0 of compound Benzo(g,h,i)perylene; previous value = 113.117519663444			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:03 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:03 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:03 AM	Set PeakFilterThresholdValue = 599.314222249974 for qualifier 277.0 of compound Benzo(g,h,i)perylene; previous value = 93.7669618316075			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:03 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:03 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:03 AM	Set PeakFilterThresholdValue = 422.508000000001 for compound Nitrobenzene-d5; previous value = 142.440000000001			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:04 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:04 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:04 AM	Set PeakFilterThresholdValue = 161.327587554762 for qualifier 54.0 of compound Nitrobenzene-d5; previous value = 52.7133211898051			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:04 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:04 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:05 AM	Set PeakFilterThresholdValue = 188.051171399164 for qualifier 128.0 of compound Nitrobenzene-d5; previous value = 52.1520225575144			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:05 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:05 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:05 AM	Set PeakFilterThresholdValue = 2121.22518066658 for compound 2-Fluorobiphenyl; previous value = 430.332750000005			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:05 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:05 AM	No parameter change for PeakFilterThreshold			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:06 AM	Set PeakFilterThresholdValue = 756.31684539707 for qualifier 171.0 of compound 2-Fluorobiphenyl; previous value = 163.741114532514			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:06 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:06 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:06 AM	Set PeakFilterThresholdValue = 2440.30271588323 for compound Terphenyl-d14; previous value = 292.131788617147			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:06 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:06 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:07 AM	Set PeakFilterThresholdValue = 298.554567258021 for qualifier 122.0 of compound Terphenyl-d14; previous value = 56.0901280720104			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:07 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:07 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:07 AM	Set PeakFilterThresholdValue = 2242.49300466908 for compound o-Terphenyl; previous value = 307.533749999996			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:10:07 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:07 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:08 AM	Set PeakFilterThresholdValue = 1482.60261809708 for qualifier 229.0 of compound o-Terphenyl; previous value = 215.963649692389			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:08 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:08 AM	No parameter change for PeakFilterThreshold			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:08 AM	Set PeakFilterThresholdValue = 924.636609883368 for qualifier 215.0 of compound o-Terphenyl; previous value = 143.562068278791			✓	
CmdSetMethodTargetQualifierAttribute	BL2000\jheine	2/8/2022 9:10:08 AM	No parameter change for ThresholdNumberOfPeaks			✓	
CmdApplyMethodToAllSamples	BL2000\jheine	2/8/2022 9:10:26 AM	Apply method to all samples			✓	
CmdMethodClear	BL2000\jheine	2/8/2022 9:10:26 AM	Clear method			✓	
CmdEndMethodEditing	BL2000\jheine	2/8/2022 9:10:27 AM	End method editing			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdQuantitate	BL2000\jheine	2/8/2022 9:10:41 AM	Quantitate all compounds in all samples			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:11:17 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb0710.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:11:34 AM	Zero out primary peak of compound Acenaphthene in sample Feb0710.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:11:38 AM	Zero out primary peak of compound Chrysene in sample Feb0710.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:11:49 AM	Manually integrate compound Benzo(a)Anthracene in sample Feb0710.D, from x, y = 14.839, 2135 to 14.851, 2145, result = -1522; previous integration is from x, y = 14.555, 67 to 14.652, 71 and previous response = 5620.			✓	
CmdClearManualIntegration	BL2000\jheine	2/8/2022 9:11:55 AM	Clear manual integration of target signal for compound Benzo(a)Anthracene in sample Feb0710.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:11:56 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb0710.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:12:11 AM	Zero out primary peak of compound Fluorene in sample Feb0711.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:12:14 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb0711.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:12:19 AM	Manually integrate compound Acenaphthene in sample Feb0711.D, from x, y = 8.000, 236 to 8.088, 175, result = 296; previous integration is from x, y = 7.953, 186 to 8.088, 175 and previous response = 4564.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:12:21 AM	Drop baseline for compound Acenaphthene in sample Feb0711.D to y = 175, new integration is from x, y = 8.000, 175 to 8.088, 175 and new response = 455; previous integration is from x, y = 8.000, 236 to 8.088, 175 and previous response = 296.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:12:22 AM	Zero out primary peak of compound Acenaphthene in sample Feb0711.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:12:30 AM	Manually integrate compound Chrysene in sample Feb0711.D, from x, y = 14.664, 167 to 14.776, 67, result = 511; previous integration is from x, y = 14.553, 67 to 14.776, 67 and previous response = 6203.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:12:31 AM	Drop baseline for compound Chrysene in sample Feb0711.D to y = 67, new integration is from x, y = 14.664, 67 to 14.776, 67 and new response = 848; previous integration is from x, y = 14.664, 167 to 14.776, 67 and previous response = 511.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:12:32 AM	Zero out primary peak of compound Chrysene in sample Feb0711.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:12:35 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb0711.D			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/8/2022 9:13:06 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb0712.D, from x, y = 5.928, 1183 to 6.028, 152, result = 26188; previous integration is from x, y = 5.891, 152 to 6.028, 152 and previous response = 38003.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:13:07 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb0712.D to y = 152, new integration is from x, y = 5.928, 152 to 6.028, 152 and new response = 29281; previous integration is from x, y = 5.928, 1183 to 6.028, 152 and previous response = 26188.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/8/2022 9:14:16 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb0713.D, from x, y = 5.928, 2181 to 6.028, 149, result = 23159; previous integration is from x, y = 5.891, 149 to 6.028, 149 and previous response = 36923.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:14:17 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb0713.D to y = 149, new integration is from x, y = 5.928, 149 to 6.028, 149 and new response = 29251; previous integration is from x, y = 5.928, 2181 to 6.028, 149 and previous response = 23159.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:15:27 AM	Zero out primary peak of compound Fluorene in sample Feb0714.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:15:38 AM	Manually integrate compound Indeno(1,2,3-cd)pyrene in sample Feb0714.D, from x, y = 20.109, 88 to 20.192, 306, result = 3037; previous integration is from x, y = 20.109, 88 to 20.291, 91 and previous response = 4648.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:15:40 AM	Drop baseline for compound Indeno(1,2,3-cd)pyrene in sample Feb0714.D to y = 88, new integration is from x, y = 20.109, 88 to 20.192, 88 and new response = 3580; previous integration is from x, y = 20.109, 88 to 20.192, 306 and previous response = 3037.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:15:51 AM	Manually integrate compound Benzo(a)pyrene in sample Feb0714.D, from x, y = 18.240, 153 to 18.363, 625, result = -539; previous integration is from x, y = 18.363, 99 to 18.536, 101 and previous response = 4437.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:15:52 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb0714.D, from x = 18.240 to x = 18.363, new integration is from x, y = 18.240, 89 to 18.363, 131 and new response = 1531; previous integration is from x, y = 18.240, 153 to 18.363, 625 and previous response = -539.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:15:53 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb0714.D to y = 89, new integration is from x, y = 18.240, 89 to 18.363, 89 and new response = 1687; previous integration is from x, y = 18.240, 89 to 18.363, 131 and previous response = 1531.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/8/2022 9:15:56 AM	Manually integrate qualifier253.0 of compound Benzo(a)pyrene in sample Feb0714.D from x, y = 18.252, 115 to 18.363, 245; result = -161			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:15:57 AM	Snap baseline for qualifier 253.0 of compound Benzo(a)pyrene in sample Feb0714.D from x = 18.252 to x = 18.363, new integration is from x, y = 18.252, 93 to 18.363, 111 and new response = 358; previous integration is from x, y = 18.252, 115 to 18.363, 245 and previous response = -161.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:15:58 AM	Drop baseline for qualifier 253.0 of compound Benzo(a)pyrene in sample Feb0714.D to y = 93, new integration is from x, y = 18.252, 93 to 18.363, 93 and new response = 418; previous integration is from x, y = 18.252, 93 to 18.363, 111 and previous response = 358.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:16:03 AM	Zero out qualifier peak of compound Benzo(a)pyrene 253.0 in sample Feb0714.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:16:05 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb0714.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:16:13 AM	Manually integrate compound Acenaphthene in sample Feb0714.D, from x, y = 8.000, 698 to 8.063, 180, result = -508; previous integration is from x, y = 7.951, 180 to 8.063, 180 and previous response = 4494.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:16:15 AM	Drop baseline for compound Acenaphthene in sample Feb0714.D to y = 180, new integration is from x, y = 8.000, 180 to 8.063, 180 and new response = 460; previous integration is from x, y = 8.000, 698 to 8.063, 180 and previous response = -508.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:16:17 AM	Zero out primary peak of compound Acenaphthene in sample Feb0714.D			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/8/2022 9:17:11 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb0715.D, from x, y = 5.928, 1837 to 6.028, 129, result = 10326; previous integration is from x, y = 5.891, 126 to 6.028, 129 and previous response = 21744.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:17:12 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb0715.D to y = 129, new integration is from x, y = 5.928, 129 to 6.028, 129 and new response = 15446; previous integration is from x, y = 5.928, 1837 to 6.028, 129 and previous response = 10326.			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	2/8/2022 9:17:17 AM	Split peak for compound 2-Methylnaphthalene in sample Feb0715.D and keep left peak, new integration is from x, y = 6.727, 165.534340659341 to 6.852, 165.534340659341 and new response = 69267, previous integration is from x, y = 6.727, 166 to 6.952, 166 and previous response = 139173.			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	2/8/2022 9:17:18 AM	Split qualifier 0 of compound 1 in sample 14, keep left peak.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/8/2022 9:17:23 AM	Manually integrate qualifier142.0 of compound 2-Methylnaphthalene in sample Feb0715.D from x, y = 6.727, 6550 to 6.865, 16022; result = 10529			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:17:24 AM	Snap baseline for qualifier 142.0 of compound 2-Methylnaphthalene in sample Feb0715.D from x = 6.727 to x = 6.865, new integration is from x, y = 6.727, 727 to 6.865, 1858 and new response = 92899; previous integration is from x, y = 6.727, 6550 to 6.865, 16022 and previous response = 10529.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:17:25 AM	Drop baseline for qualifier 142.0 of compound 2-Methylnaphthalene in sample Feb0715.D to y = 727, new integration is from x, y = 6.727, 727 to 6.865, 727 and new response = 97560; previous integration is from x, y = 6.727, 727 to 6.865, 1858 and previous response = 92899.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/8/2022 9:17:33 AM	Set UserAnnotation = CO for compound 2-Methylnaphthalene in sample Feb0715.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	2/8/2022 9:17:37 AM	Split peak for compound 1-Methylnaphthalene in sample Feb0715.D and keep right peak, new integration is from x, y = 6.852, 165.534340659341 to 6.952, 165.534340659341 and new response = 69906, previous integration is from x, y = 6.727, 166 to 6.952, 166 and previous response = 139173.			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	2/8/2022 9:17:40 AM	Split qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb0715.D and keep right peak, new integration is from x, y = 6.865, 122.763888888889 to 7.040, 122.763888888889 and new response = 80545, previous integration is from x, y = 6.727, 123 to 7.040, 123 and previous response = 183084.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:18:02 AM	Manually integrate compound Fluorene in sample Feb0716.D, from x, y = 8.624, 689 to 8.673, 2451, result = -3322; previous integration is from x, y = 8.910, 205 to 9.022, 211 and previous response = 26587.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:18:04 AM	Snap baseline for compound Fluorene in sample Feb0716.D, from x = 8.624 to x = 8.673, new integration is from x, y = 8.624, 190 to 8.673, 211 and new response = 774; previous integration is from x, y = 8.624, 689 to 8.673, 2451 and previous response = -3322.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:18:04 AM	Drop baseline for compound Fluorene in sample Feb0716.D to y = 190, new integration is from x, y = 8.624, 190 to 8.673, 190 and new response = 805; previous integration is from x, y = 8.624, 190 to 8.673, 211 and previous response = 774.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:18:06 AM	Zero out primary peak of compound Fluorene in sample Feb0716.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:18:12 AM	Manually integrate compound Benzo(a)pyrene in sample Feb0716.D, from x, y = 18.265, 164 to 18.326, 258, result = -328; previous integration is from x, y = 18.364, 86 to 18.561, 88 and previous response = 4242.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:18:13 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb0716.D, from x = 18.265 to x = 18.326, new integration is from x, y = 18.265, 85 to 18.326, 86 and new response = 137; previous integration is from x, y = 18.265, 164 to 18.326, 258 and previous response = -328.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:18:14 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb0716.D to y = 85, new integration is from x, y = 18.265, 85 to 18.326, 85 and new response = 139; previous integration is from x, y = 18.265, 85 to 18.326, 86 and previous response = 137.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:18:16 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb0716.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:18:22 AM	Manually integrate compound Acenaphthene in sample Feb0716.D, from x, y = 8.001, 298 to 8.063, 205, result = 909; previous integration is from x, y = 7.951, 205 to 8.063, 205 and previous response = 5024.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:18:23 AM	Drop baseline for compound Acenaphthene in sample Feb0716.D to y = 205, new integration is from x, y = 8.001, 205 to 8.063, 205 and new response = 1082; previous integration is from x, y = 8.001, 298 to 8.063, 205 and previous response = 909.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:18:25 AM	Zero out primary peak of compound Acenaphthene in sample Feb0716.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:18:33 AM	Manually integrate compound Naphthalene in sample Feb0716.D, from x, y = 5.903, 646 to 5.953, 1380, result = -690; previous integration is from x, y = 5.953, 563 to 6.051, 563 and previous response = 5437.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:18:34 AM	Snap baseline for compound Naphthalene in sample Feb0716.D, from x = 5.903 to x = 5.953, new integration is from x, y = 5.903, 509 to 5.953, 800 and new response = 385; previous integration is from x, y = 5.903, 646 to 5.953, 1380 and previous response = -690.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:18:35 AM	Drop baseline for compound Naphthalene in sample Feb0716.D to y = 509, new integration is from x, y = 5.903, 509 to 5.953, 509 and new response = 821; previous integration is from x, y = 5.903, 509 to 5.953, 800 and previous response = 385.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:18:37 AM	Zero out primary peak of compound Naphthalene in sample Feb0716.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:18:42 AM	Manually integrate compound Chrysene in sample Feb0716.D, from x, y = 14.664, 528 to 14.776, 456, result = -1583; previous integration is from x, y = 14.551, 75 to 14.664, 76 and previous response = 5326.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:18:44 AM	Snap baseline for compound Chrysene in sample Feb0716.D, from x = 14.664 to x = 14.776, new integration is from x, y = 14.664, 305 to 14.776, 116 and new response = 310; previous integration is from x, y = 14.664, 528 to 14.776, 456 and previous response = -1583.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:18:45 AM	Drop baseline for compound Chrysene in sample Feb0716.D to y = 116, new integration is from x, y = 14.664, 116 to 14.776, 116 and new response = 945; previous integration is from x, y = 14.664, 305 to 14.776, 116 and previous response = 310.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:18:47 AM	Zero out primary peak of compound Chrysene in sample Feb0716.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:18:53 AM	Manually integrate compound 2-Methylnaphthalene in sample Feb0716.D, from x, y = 6.752, 306 to 6.827, 271, result = 751; previous integration is from x, y = 6.977, 271 to 7.140, 271 and previous response = 2284.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:18:55 AM	Drop baseline for compound 2-Methylnaphthalene in sample Feb0716.D to y = 271, new integration is from x, y = 6.752, 271 to 6.827, 271 and new response = 830; previous integration is from x, y = 6.752, 306 to 6.827, 271 and previous response = 751.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:18:57 AM	Zero out primary peak of compound 2-Methylnaphthalene in sample Feb0716.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:19:01 AM	Zero out primary peak of compound 1-Methylnaphthalene in sample Feb0716.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:19:05 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb0716.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/8/2022 9:19:23 AM	Manually integrate qualifier 129.0 of compound Naphthalene in sample Feb0717.D, from x, y = 5.903, 263 to 5.966, 430, result = 13927; previous integration is from x, y = 5.924, 756 to 6.022, 756 and previous response = 16565.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/8/2022 9:19:25 AM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Feb0717.D to y = 263, new integration is from x, y = 5.903, 263 to 5.966, 263 and new response = 14240; previous integration is from x, y = 5.903, 263 to 5.966, 430 and previous response = 13927.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/8/2022 9:19:28 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb0717.D, from x, y = 5.928, 6265 to 5.966, 53, result = 9883; previous integration is from x, y = 5.903, 226 to 6.028, 226 and previous response = 22480.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/8/2022 9:19:30 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb0717.D to y = 53, new integration is from x, y = 5.928, 53 to 5.966, 53 and new response = 16865; previous integration is from x, y = 5.928, 6265 to 5.966, 53 and previous response = 9883.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/8/2022 9:19:44 AM	Manually integrate qualifier 153.0 of compound Acenaphthylene in sample Feb0717.D, from x, y = 7.789, 8425 to 7.838, 15171, result = -12827; previous integration is from x, y = 7.658, 265 to 7.708, 265 and previous response = 719.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:19:45 AM	Snap baseline for qualifier 153.0 of compound Acenaphthylene in sample Feb0717.D from x = 7.789 to x = 7.838, new integration is from x, y = 7.789, 678 to 7.838, 1244 and new response = 19586; previous integration is from x, y = 7.789, 8425 to 7.838, 15171 and previous response = -12827.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:19:46 AM	Drop baseline for qualifier 153.0 of compound Acenaphthylene in sample Feb0717.D to y = 678, new integration is from x, y = 7.789, 678 to 7.838, 678 and new response = 20432; previous integration is from x, y = 7.789, 678 to 7.838, 1244 and previous response = 19586.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:19:48 AM	Drop baseline for qualifier 153.0 of compound Acenaphthylene in sample Feb0717.D to y = 678, new integration is from x, y = 7.789, 678 to 7.838, 678 and new response = 20432; previous integration is from x, y = 7.789, 678 to 7.838, 678 and previous response = 20432.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:20:25 AM	Manually integrate compound Fluorene in sample Feb0718.D, from x, y = 8.623, 652 to 8.673, 1553, result = -1974; previous integration is from x, y = 8.910, 186 to 9.022, 189 and previous response = 25593.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:20:26 AM	Snap baseline for compound Fluorene in sample Feb0718.D, from x = 8.623 to x = 8.673, new integration is from x, y = 8.623, 194 to 8.673, 195 and new response = 743; previous integration is from x, y = 8.623, 652 to 8.673, 1553 and previous response = -1974.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:20:26 AM	Drop baseline for compound Fluorene in sample Feb0718.D to y = 194, new integration is from x, y = 8.623, 194 to 8.673, 194 and new response = 744; previous integration is from x, y = 8.623, 194 to 8.673, 195 and previous response = 743.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:20:28 AM	Zero out primary peak of compound Fluorene in sample Feb0718.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:20:32 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb0718.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:20:37 AM	Manually integrate compound Acenaphthene in sample Feb0718.D, from x, y = 8.000, 277 to 8.063, 191, result = 819; previous integration is from x, y = 7.952, 191 to 8.063, 191 and previous response = 5083.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:20:38 AM	Drop baseline for compound Acenaphthene in sample Feb0718.D to y = 191, new integration is from x, y = 8.000, 191 to 8.063, 191 and new response = 980; previous integration is from x, y = 8.000, 277 to 8.063, 191 and previous response = 819.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:20:39 AM	Zero out primary peak of compound Acenaphthene in sample Feb0718.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:20:44 AM	Manually integrate compound Chrysene in sample Feb0718.D, from x, y = 14.664, 571 to 14.714, 741, result = 3; previous integration is from x, y = 14.542, 69 to 14.652, 74 and previous response = 6739.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:20:47 AM	Manually integrate compound Chrysene in sample Feb0718.D, from x, y = 14.652, 694 to 14.776, 775, result = -2484; previous integration is from x, y = 14.664, 571 to 14.714, 741 and previous response = 3.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:20:48 AM	Snap baseline for compound Chrysene in sample Feb0718.D, from x = 14.652 to x = 14.776, new integration is from x, y = 14.652, 381 to 14.776, 125 and new response = 1112; previous integration is from x, y = 14.652, 694 to 14.776, 775 and previous response = -2484.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:20:49 AM	Drop baseline for compound Chrysene in sample Feb0718.D to y = 125, new integration is from x, y = 14.652, 125 to 14.776, 125 and new response = 2068; previous integration is from x, y = 14.652, 381 to 14.776, 125 and previous response = 1112.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:20:50 AM	Zero out primary peak of compound Chrysene in sample Feb0718.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:20:54 AM	Zero out primary peak of compound Naphthalene in sample Feb0718.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:21:02 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb0718.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:21:06 AM	Zero out primary peak of compound o-Terphenyl in sample Feb0718.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:21:20 AM	Zero out primary peak of compound Fluorene in sample Feb0719.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:21:24 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb0719.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:21:27 AM	Zero out primary peak of compound Acenaphthene in sample Feb0719.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:21:32 AM	Manually integrate compound Chrysene in sample Feb0719.D, from x, y = 14.664, 463 to 14.751, 62, result = -454; previous integration is from x, y = 14.540, 61 to 14.751, 62 and previous response = 5261.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:21:33 AM	Drop baseline for compound Chrysene in sample Feb0719.D to y = 62, new integration is from x, y = 14.664, 62 to 14.751, 62 and new response = 595; previous integration is from x, y = 14.664, 463 to 14.751, 62 and previous response = -454.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:21:34 AM	Zero out primary peak of compound Chrysene in sample Feb0719.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:21:38 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb0719.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:21:50 AM	Zero out primary peak of compound Fluorene in sample Feb0720.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:21:54 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb0720.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:21:59 AM	Manually integrate compound Acenaphthene in sample Feb0720.D, from x, y = 8.001, 866 to 8.050, 318, result = -466; previous integration is from x, y = 7.952, 318 to 8.050, 318 and previous response = 4194.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:22:00 AM	Drop baseline for compound Acenaphthene in sample Feb0720.D to y = 318, new integration is from x, y = 8.001, 318 to 8.050, 318 and new response = 353; previous integration is from x, y = 8.001, 866 to 8.050, 318 and previous response = -466.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:22:01 AM	Zero out primary peak of compound Acenaphthene in sample Feb0720.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:22:08 AM	Manually integrate compound Chrysene in sample Feb0720.D, from x, y = 14.664, 178 to 14.776, 80, result = 304; previous integration is from x, y = 14.552, 80 to 14.776, 80 and previous response = 5589.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:22:09 AM	Drop baseline for compound Chrysene in sample Feb0720.D to y = 80, new integration is from x, y = 14.664, 80 to 14.776, 80 and new response = 633; previous integration is from x, y = 14.664, 178 to 14.776, 80 and previous response = 304.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:22:10 AM	Zero out primary peak of compound Chrysene in sample Feb0720.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:22:14 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb0720.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:22:26 AM	Manually integrate compound Acenaphthene in sample Feb0721.D, from x, y = 8.000, 248 to 8.098, 156, result = 74; previous integration is from x, y = 7.954, 166 to 8.098, 156 and previous response = 3898.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:22:28 AM	Drop baseline for compound Acenaphthene in sample Feb0721.D to y = 156, new integration is from x, y = 8.000, 156 to 8.098, 156 and new response = 343; previous integration is from x, y = 8.000, 248 to 8.098, 156 and previous response = 74.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:22:32 AM	Zero out primary peak of compound Acenaphthene in sample Feb0721.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:22:37 AM	Zero out primary peak of compound Fluorene in sample Feb0721.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:22:40 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb0721.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:22:44 AM	Zero out primary peak of compound Chrysene in sample Feb0721.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:22:47 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb0721.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:22:59 AM	Zero out primary peak of compound Fluorene in sample Feb0722.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:23:04 AM	Manually integrate compound Benzo(a)pyrene in sample Feb0722.D, from x, y = 18.264, 187 to 18.326, 312, result = -499; previous integration is from x, y = 18.363, 91 to 18.549, 95 and previous response = 4102.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:23:06 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb0722.D, from x = 18.264 to x = 18.326, new integration is from x, y = 18.264, 83 to 18.326, 82 and new response = 120; previous integration is from x, y = 18.264, 187 to 18.326, 312 and previous response = -499.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:23:06 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb0722.D to y = 82, new integration is from x, y = 18.264, 82 to 18.326, 82 and new response = 122; previous integration is from x, y = 18.264, 83 to 18.326, 82 and previous response = 120.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:23:08 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb0722.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:23:13 AM	Manually integrate compound Acenaphthene in sample Feb0722.D, from x, y = 7.988, 283 to 8.025, 283, result = 619; previous integration is from x, y = 7.951, 275 to 8.050, 275 and previous response = 4465.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:23:16 AM	Zero out primary peak of compound Acenaphthene in sample Feb0722.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:23:20 AM	Zero out primary peak of compound 2-Methylnaphthalene in sample Feb0722.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:23:24 AM	Zero out primary peak of compound 1-Methylnaphthalene in sample Feb0722.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:23:27 AM	Zero out primary peak of compound Chrysene in sample Feb0722.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:23:29 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb0722.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:23:39 AM	Zero out primary peak of compound Fluorene in sample Feb0723.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:23:45 AM	Manually integrate compound Benzo(a)pyrene in sample Feb0723.D, from x, y = 18.265, 127 to 18.326, 285, result = -398; previous integration is from x, y = 18.364, 85 to 18.549, 87 and previous response = 3698.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:23:46 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb0723.D, from x = 18.265 to x = 18.326, new integration is from x, y = 18.265, 75 to 18.326, 79 and new response = 79; previous integration is from x, y = 18.265, 127 to 18.326, 285 and previous response = -398.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:23:47 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb0723.D to y = 75, new integration is from x, y = 18.265, 75 to 18.326, 75 and new response = 87; previous integration is from x, y = 18.265, 75 to 18.326, 79 and previous response = 79.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:23:48 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb0723.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:23:58 AM	Manually integrate compound Acenaphthene in sample Feb0723.D, from x, y = 8.001, 532 to 8.113, 145, result = -918; previous integration is from x, y = 7.952, 157 to 8.113, 145 and previous response = 3717.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:23:59 AM	Drop baseline for compound Acenaphthene in sample Feb0723.D to y = 145, new integration is from x, y = 8.001, 145 to 8.113, 145 and new response = 384; previous integration is from x, y = 8.001, 532 to 8.113, 145 and previous response = -918.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:24:01 AM	Zero out primary peak of compound Acenaphthene in sample Feb0723.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/8/2022 9:24:07 AM	Manually integrate compound Chrysene in sample Feb0723.D, from x, y = 14.664, 305 to 14.764, 298, result = -844; previous integration is from x, y = 14.553, 61 to 14.714, 62 and previous response = 4844.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/8/2022 9:24:08 AM	Snap baseline for compound Chrysene in sample Feb0723.D, from x = 14.664 to x = 14.764, new integration is from x, y = 14.664, 211 to 14.764, 103 and new response = 20; previous integration is from x, y = 14.664, 305 to 14.764, 298 and previous response = -844.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/8/2022 9:24:09 AM	Drop baseline for compound Chrysene in sample Feb0723.D to y = 103, new integration is from x, y = 14.664, 103 to 14.764, 103 and new response = 343; previous integration is from x, y = 14.664, 211 to 14.764, 103 and previous response = 20.			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:24:11 AM	Zero out primary peak of compound Chrysene in sample Feb0723.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/8/2022 9:24:14 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb0723.D			✓	
CmdSaveBatchTable	BL2000\jheine	2/8/2022 10:18:05 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 10:18:33 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\jheine	2/8/2022 10:19:24 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin			✓	
GenerateReport	BL2000\jheine	2/8/2022 10:20:31 AM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Gen_Calibration.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantReports\			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
GenerateReport	BL2000\jheine	2/8/2022 10:21:39 AM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\init_cal_rpt.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantReports\			✓	
GenerateReport	BL2000\jheine	2/8/2022 10:22:41 AM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Gen_ResultsSummary.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\QuantReports\			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:22:58 AM	Set SampleApproved = True for sample Feb0702.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:22:59 AM	Set SampleApproved = True for sample Feb0701.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:00 AM	Set SampleApproved = True for sample Feb0703.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:01 AM	Set SampleApproved = True for sample Feb0704.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:03 AM	Set SampleApproved = True for sample Feb0705.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:04 AM	Set SampleApproved = True for sample Feb0706.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:05 AM	Set SampleApproved = True for sample Feb0707.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:07 AM	Set SampleApproved = True for sample Feb0708.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:08 AM	Set SampleApproved = True for sample Feb0709.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:09 AM	Set SampleApproved = True for sample Feb0710.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:11 AM	Set SampleApproved = True for sample Feb0711.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:12 AM	Set SampleApproved = True for sample Feb0712.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:14 AM	Set SampleApproved = True for sample Feb0713.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:15 AM	Set SampleApproved = True for sample Feb0714.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:17 AM	Set SampleApproved = True for sample Feb0715.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:19 AM	Set SampleApproved = True for sample Feb0716.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:20 AM	Set SampleApproved = True for sample Feb0717.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:22 AM	Set SampleApproved = True for sample Feb0718.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:23 AM	Set SampleApproved = True for sample Feb0719.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:25 AM	Set SampleApproved = True for sample Feb0721.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:28 AM	Set SampleApproved = True for sample Feb0720.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:30 AM	Set SampleApproved = True for sample Feb0722.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:33 AM	Set SampleApproved = True for sample Feb0723.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:35 AM	Set SampleApproved = True for sample Feb0724.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:42 AM	Set SampleType = CC for sample Feb0724.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/8/2022 10:23:53 AM	Set LevelName = CCV for sample Feb0724.D; previous value =			✓	
CmdQuantitate	BL2000\jheine	2/8/2022 10:23:54 AM	Quantitate all compounds in sample Feb0724.D			✓	
CmdSaveBatchTable	BL2000\jheine	2/8/2022 10:24:33 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\QuantResults\020722 bna SIM 1.batch.bin			✓	
GenerateReport	BL2000\jheine	2/8/2022 10:28:25 AM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Calibration\Env_QuantResults_wGraphics+Chromatogram.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh 020722\1 e8270c bna SIM\QuantReports\			✓	

Energy Laboratories Inc

ANALYTICAL RUN Summary

24-Feb-22

Run ID SV5975.I_220211A

Run Start Date:	2/11/2022
Analyst:	John P. Heine
Ical:	
Column ID:	ZB-SemiVolatiles
Comments:	Closing CCV didn't acquire. Ran closing CCV as soon as possible. System in compliance. JPH 2/14/22

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
dcmsvoc13	DCM						11/17/2022
sv100506	BNA low 50 ug/mL	8	ul	192	ul	CCV	3/31/2022
sv100703	BNA Internals 2000 ug/mL	2	ul	100	ul	SAMP	5/31/2022
sv100801	BNA 2nd source 200ug/mL	2	ul	198	ul	ICV	10/1/2022
sv83311	DFTPP 1000 ug/mL	50	ul	50	ul	TUNE	10/31/2022

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033852	Feb1101_D_TU	SVOC-8270-DF	TUNE	V5973N2.I\sg0212/11/2022 1:31:0		1	R374633		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
127, % of mass 198	A	%	46.9	46.9		100	0	0	0	0.01	0	47%	40	60	0%	
197, % of mass 198	A	%	0.1	0.1		100	0	0	0	0.01	0	0%	0	0.99	0%	
198, Base Peak	A	%	100	100		100	0	0	0	0.01	0	100%	100	100	0%	
199, % of mass 198	A	%	7.1	7.1		100	0	0	0	0.01	0	7%	5	9	0%	
275, % of mass 198	A	%	29.2	29.2		100	0	0	0	0.01	0	29%	10	30	0%	
365, % of mass 198	A	%	3.4	3.4		100	0	0	0	0.01	0	3%	1	99.99	0%	
441, % of mass 443	A	%	84.6	84.6		100	0	0	0	0.01	0	85%	0.01	150	0%	
442, % of mass 198	A	%	52.5	52.5		100	0	0	0	0.01	0	53%	40	100	0%	
443, % of mass 442	A	%	19.3	19.3		100	0	0	0	0.01	0	19%	17	23	0%	
51, % of mass 198	A	%	37.2	37.2		100	0	0	0	0.01	0	37%	30	60	0%	
68, % of mass 69	A	%	1.1	1.1		100	0	0	0	0.01	0	1%	0	1.99	0%	
70, % of mass 69	A	%	0.9	0.9		100	0	0	0	0.01	0	1%	0	1.99	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033853	11-Feb-22_CCV	SVOC-8270C-SI	CCV	⁄5975.I\sh021122˙2/11/2022 3:17:3		1	R374633		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	1.91917	1.91917		2	0	0	0.0206	0.1	10	96%	80	120	0%	
2-Methylnaphthalene	A	ug/L	1.80388	1.80388		2	0	0	0.0176	0.1	10	90%	80	120	0%	
Acenaphthene	A	ug/L	1.92589	1.92589		2	0	0	0.0317	0.1	10	96%	80	120	0%	
Acenaphthylene	A	ug/L	2.03107	2.03107		2	0	0	0.025	0.1	10	102%	80	120	0%	
Anthracene	A	ug/L	1.98703	1.98703		2	0	0	0.0283	0.1	10	99%	80	120	0%	
Benzo(a)anthracene	A	ug/L	2.19722	2.19722		2	0	0	0.0272	0.1	10	110%	80	120	0%	
Benzo(a)pyrene	A	ug/L	1.97351	1.97351		2	0	0	0.0347	0.1	10	99%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	1.99509	1.99509		2	0	0	0.0226	0.1	10	100%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	2.03251	2.03251		2	0	0	0.0267	0.1	10	102%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	1.93275	1.93275		2	0	0	0.0295	0.1	10	97%	80	120	0%	
Chrysene	A	ug/L	2.0249	2.0249		2	0	0	0.0458	0.1	10	101%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	2.02863	2.02863		2	0	0	0.0367	0.1	10	101%	80	120	0%	
Fluoranthene	A	ug/L	1.98219	1.98219		2	0	0	0.0233	0.1	10	99%	80	120	0%	
Fluorene	A	ug/L	2.03939	2.03939		2	0	0	0.0225	0.1	10	102%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	1.95114	1.95114		2	0	0	0.0491	0.1	10	98%	80	120	0%	
Naphthalene	A	ug/L	1.8564	1.8564		2	0	0	0.029	0.1	10	93%	80	120	0%	
Phenanthrene	A	ug/L	1.92118	1.92118		2	0	0	0.0295	0.1	10	96%	80	120	0%	
Pyrene	A	ug/L	1.99777	1.99777		2	0	0	0.0239	0.1	10	100%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	2.1897	2.1897		2	0	0	0.0444	0.1	10	109%	80	120	0%	
Nitrobenzene-d5	S	ug/L	1.89794	1.89794		2	0	0	0.0523	0.1	10	95%	80	120	0%	
Terphenyl-d14	S	ug/L	2.09034	2.09034		2	0	0	0.0563	0.1	10	105%	80	120	0%	
o-Terphenyl	X	ug/L	2.09043	2.09043		2	0	0	0.0654	0	0	105%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033854	11-Feb-22_ISTB	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122˙2/11/2022 3:51:2		1	R374633		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

2

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033854	11-Feb-22_ISTB	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122˙2/11/2022 3:51:2		1	R374633		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0206	0.1	10	0%	0	0	0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0176	0.1	10	0%	0	0	0%	
Acenaphthene	A	ug/L	0	0		0	0	0	0.0317	0.1	10	0%	0	0	0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	0.025	0.1	10	0%	0	0	0%	
Anthracene	A	ug/L	0	0		0	0	0	0.0283	0.1	10	0%	0	0	0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0272	0.1	10	0%	0	0	0%	
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0347	0.1	10	0%	0	0	0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0226	0.1	10	0%	0	0	0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0267	0.1	10	0%	0	0	0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%	0	0	0%	
Chrysene	A	ug/L	0	0		0	0	0	0.0458	0.1	10	0%	0	0	0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0367	0.1	10	0%	0	0	0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.0233	0.1	10	0%	0	0	0%	
Fluorene	A	ug/L	0	0		0	0	0	0.0225	0.1	10	0%	0	0	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0491	0.1	10	0%	0	0	0%	
Naphthalene	A	ug/L	0	0		0	0	0	0.029	0.1	10	0%	0	0	0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%	0	0	0%	
Pyrene	A	ug/L	0	0		0	0	0	0.0239	0.1	10	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%	0	0	0%	E
2-Fluorobiphenyl	S	ug/L	0	0		5	0	0	0.0444	0.1	10	0%	25	94	0%	S
Nitrobenzene-d5	S	ug/L	0	0		5	0	0	0.0523	0.1	10	0%	19	102	0%	S
Terphenyl-d14	S	ug/L	0	0		5	0	0	0.0563	0.1	10	0%	39	106	0%	S
o-Terphenyl	X	ug/L	0	0		200	0	0	0.0654	0	0	0%	40	140	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033855	MB-163621	SVOC-8270C-SI	MBLK	⁄5975.I\sh021122˙2/11/2022 4:23:5		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033855	MB-163621	SVOC-8270C-SI	MBLK	⁄5975.I\sh021122⁀2/11/2022 4:23:5		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0206	0.1	10	0%			0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0176	0.1	10	0%			0%	
Acenaphthene	A	ug/L	0	0		0	0	0	0.0317	0.1	10	0%			0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	0.025	0.1	10	0%			0%	
Anthracene	A	ug/L	0	0		0	0	0	0.0283	0.1	10	0%			0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0272	0.1	10	0%			0%	
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0347	0.1	10	0%			0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0226	0.1	10	0%			0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0267	0.1	10	0%			0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%			0%	
Chrysene	A	ug/L	0	0		0	0	0	0.0458	0.1	10	0%			0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0367	0.1	10	0%			0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.0233	0.1	10	0%			0%	
Fluorene	A	ug/L	0	0		0	0	0	0.0225	0.1	10	0%			0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0491	0.1	10	0%			0%	
Naphthalene	A	ug/L	0	0		0	0	0	0.029	0.1	10	0%			0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%			0%	
Pyrene	A	ug/L	0	0		0	0	0	0.0239	0.1	10	0%			0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%			0%	
2-Fluorobiphenyl	S	ug/L	68.83333	68.83333		100	0	0	0.0444	0.1	10	69%	25	94	0%	
Nitrobenzene-d5	S	ug/L	81.86627	81.86627		100	0	0	0.0523	0.1	10	82%	19	102	0%	
Terphenyl-d14	S	ug/L	63.26226	63.26226		100	0	0	0.0563	0.1	10	63%	39	106	0%	
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0654	0	0	0%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033856	LLCS-163621	SVOC-8270C-SI	LCS-DOD	⁄5975.I\sh021122⁀2/11/2022 4:56:3		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033856	LLCS-163621	SVOC-8270C-SI	LCS-DOD	/5975.I\sh021122\2/11/2022 4:56:3		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.81769	2.81769		5	0	0	0.0206	0.1	10	56%	41	115	0%	
2-Methylnaphthalene	A	ug/L	2.90787	2.90787		5	0	0	0.0176	0.1	10	58%	39	114	0%	
Acenaphthene	A	ug/L	3.65162	3.65162		5	0	0	0.0317	0.1	10	73%	48	114	0%	
Acenaphthylene	A	ug/L	3.38968	3.38968		5	0	0	0.025	0.1	10	68%	35	121	0%	
Anthracene	A	ug/L	4.38576	4.38576		5	0	0	0.0283	0.1	10	88%	53	119	0%	
Benzo(a)anthracene	A	ug/L	4.59261	4.59261		5	0	0	0.0272	0.1	10	92%	59	120	0%	
Benzo(a)pyrene	A	ug/L	4.14559	4.14559		5	0	0	0.0347	0.1	10	83%	53	120	0%	
Benzo(b)fluoranthene	A	ug/L	4.37832	4.37832		5	0	0	0.0226	0.1	10	88%	53	126	0%	
Benzo(g,h,i)perylene	A	ug/L	4.60669	4.60669		5	0	0	0.0267	0.1	10	92%	44	128	0%	
Benzo(k)fluoranthene	A	ug/L	4.21316	4.21316		5	0	0	0.0295	0.1	10	84%	54	125	0%	
Chrysene	A	ug/L	4.3577	4.3577		5	0	0	0.0458	0.1	10	87%	57	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.48096	4.48096		5	0	0	0.0367	0.1	10	90%	44	141	0%	
Fluoranthene	A	ug/L	4.5314	4.5314		5	0	0	0.0233	0.1	10	91%	58	120	0%	
Fluorene	A	ug/L	3.64816	3.64816		5	0	0	0.0225	0.1	10	73%	50	118	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.32167	4.32167		5	0	0	0.0491	0.1	10	86%	48	130	0%	
Naphthalene	A	ug/L	2.74403	2.74403		5	0	0	0.029	0.1	10	55%	43	114	0%	
Phenanthrene	A	ug/L	4.14978	4.14978		5	0	0	0.0295	0.1	10	83%	53	115	0%	
Pyrene	A	ug/L	4.14889	4.14889		5	0	0	0.0239	0.1	10	83%	53	121	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%			0%	
2-Fluorobiphenyl	S	ug/L	3.55611	3.55611		5	0	0	0.0444	0.1	10	71%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.59373	3.59373		5	0	0	0.0523	0.1	10	72%	55	111	0%	
Terphenyl-d14	S	ug/L	4.30279	4.30279		5	0	0	0.0563	0.1	10	86%	58	132	0%	
o-Terphenyl	X	ug/L	4.37328	4.37328		5	0	0	0.0654	0	0	87%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033857	LLCSD-163621	SVOC-8270C-SI	LCSD-DOD	/5975.I\sh021122\2/11/2022 5:28:5		1	163621	2/9/2022 8:1	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033857	LLCSD-163621	SVOC-8270C-SI	LCSD-DOD	⁄5975.I\sh021122	2/11/2022 5:28:5	1	163621	2/9/2022 8:1	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.69891	2.69891		5	0	2.81769	0.0206	0.1	10	54%	41	115	4%	
2-Methylnaphthalene	A	ug/L	2.81664	2.81664		5	0	2.90787	0.0176	0.1	10	56%	39	114	3%	
Acenaphthene	A	ug/L	3.51438	3.51438		5	0	3.65162	0.0317	0.1	10	70%	48	114	4%	
Acenaphthylene	A	ug/L	3.266	3.266		5	0	3.38968	0.025	0.1	10	65%	35	121	4%	
Anthracene	A	ug/L	4.2951	4.2951		5	0	4.38576	0.0283	0.1	10	86%	53	119	2%	
Benzo(a)anthracene	A	ug/L	5.06426	5.06426		5	0	4.59261	0.0272	0.1	10	101%	59	120	10%	
Benzo(a)pyrene	A	ug/L	4.4067	4.4067		5	0	4.14559	0.0347	0.1	10	88%	53	120	6%	
Benzo(b)fluoranthene	A	ug/L	4.58534	4.58534		5	0	4.37832	0.0226	0.1	10	92%	53	126	5%	
Benzo(g,h,i)perylene	A	ug/L	4.8481	4.8481		5	0	4.60669	0.0267	0.1	10	97%	44	128	5%	
Benzo(k)fluoranthene	A	ug/L	4.30219	4.30219		5	0	4.21316	0.0295	0.1	10	86%	54	125	2%	
Chrysene	A	ug/L	4.70142	4.70142		5	0	4.3577	0.0458	0.1	10	94%	57	120	8%	
Dibenzo(a,h)anthracene	A	ug/L	4.62675	4.62675		5	0	4.48096	0.0367	0.1	10	93%	44	141	3%	
Fluoranthene	A	ug/L	4.42542	4.42542		5	0	4.5314	0.0233	0.1	10	89%	58	120	2%	
Fluorene	A	ug/L	3.54201	3.54201		5	0	3.64816	0.0225	0.1	10	71%	50	118	3%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.5861	4.5861		5	0	4.32167	0.0491	0.1	10	92%	48	130	6%	
Naphthalene	A	ug/L	2.62212	2.62212		5	0	2.74403	0.029	0.1	10	52%	43	114	5%	
Phenanthrene	A	ug/L	4.07997	4.07997		5	0	4.14978	0.0295	0.1	10	82%	53	115	2%	
Pyrene	A	ug/L	4.4596	4.4596		5	0	4.14889	0.0239	0.1	10	89%	53	121	7%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%			0%	
2-Fluorobiphenyl	S	ug/L	3.51725	3.51725		5	0	0	0.0444	0.1	10	70%	53	106	0%	
Nitrobenzene-d5	S	ug/L	3.26444	3.26444		5	0	0	0.0523	0.1	10	65%	55	111	0%	
Terphenyl-d14	S	ug/L	4.7936	4.7936		5	0	0	0.0563	0.1	10	96%	58	132	0%	
o-Terphenyl	X	ug/L	4.07765	4.07765		5	0	4.37328	0.0654	0	0	82%	40	140	7%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033858	B22020415-001	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122	2/11/2022 6:01:3	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033858	B22020415-001	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁀2/11/2022 6:01:3		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0198172	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0169312	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0304954	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.02405	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0272246	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0261664	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0333814	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0217412	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0256854	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.028379	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0440596	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0353054	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.0224146	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.021645	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0472342	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.027898	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.028379	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.0229918	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.48		0	0	0	0.0962	0.1	10	0%	0	0	0%	E
2-Fluorobiphenyl	S	ug/L	71.11179	68.409542		96.2	0	0	0.0427128	0.1	10	71%	25	94	0%	E
Nitrobenzene-d5	S	ug/L	83.20317	80.0414495		96.2	0	0	0.0503126	0.1	10	83%	19	102	0%	E
Terphenyl-d14	S	ug/L	63.9159	61.4870958		9.62	0	0	0.0541606	0.1	10	639%	39	106	0%	SE
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0629148	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033859	B22020415-001	SVOC-8270C-SI	MS	⁄5975.I\sh021122⁀2/11/2022 6:34:0		1	163621	2/9/2022 8:1	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033859	B22020415-001	SVOC-8270C-SI	MS	⁄5975.I\sh021122⁀2/11/2022 6:34:0		1	163621	2/9/2022 8:1	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	3.26196	3.13800552		4.81	0	0	0.0198172	0.1	10	65%	18	117	0%	
2-Methylnaphthalene	A	ug/L	3.82767	3.68221854		4.81	0	0	0.0169312	0.1	10	77%	17	118	0%	
Acenaphthene	A	ug/L	4.47725	4.3071145		4.81	0	0	0.0304954	0.1	10	90%	40	92	0%	
Acenaphthylene	A	ug/L	4.06048	3.90618176		4.81	0	0	0.02405	0.1	10	81%	37	96	0%	
Anthracene	A	ug/L	4.42702	4.25879324		4.81	0	0	0.0272246	0.1	10	89%	46	108	0%	
Benzo(a)anthracene	A	ug/L	4.82533	4.64196746		4.81	0	0	0.0261664	0.1	10	97%	41	105	0%	
Benzo(a)pyrene	A	ug/L	4.2839	4.1211118		4.81	0	0	0.0333814	0.1	10	86%	42	110	0%	
Benzo(b)fluoranthene	A	ug/L	4.55326	4.38023612		4.81	0	0	0.0217412	0.1	10	91%	27	121	0%	
Benzo(g,h,i)perylene	A	ug/L	4.66513	4.48785506		4.81	0	0	0.0256854	0.1	10	93%	44	108	0%	
Benzo(k)fluoranthene	A	ug/L	4.35514	4.18964468		4.81	0	0	0.028379	0.1	10	87%	44	111	0%	
Chrysene	A	ug/L	4.45068	4.28155416		4.81	0	0	0.0440596	0.1	10	89%	50	106	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.66928	4.49184736		4.81	0	0	0.0353054	0.1	10	93%	47	111	0%	
Fluoranthene	A	ug/L	4.4396	4.2708952		4.81	0	0	0.0224146	0.1	10	89%	44	111	0%	
Fluorene	A	ug/L	4.24542	4.08409404		4.81	0	0	0.021645	0.1	10	85%	42	99	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.51816	4.34646992		4.81	0	0	0.0472342	0.1	10	90%	33	112	0%	
Naphthalene	A	ug/L	3.36837	3.24037194		4.81	0	0	0.027898	0.1	10	67%	22	108	0%	
Phenanthrene	A	ug/L	4.20124	4.04159288		4.81	0	0	0.028379	0.1	10	84%	43	106	0%	
Pyrene	A	ug/L	4.45201	4.28283362		4.81	0	0	0.0229918	0.1	10	89%	41	106	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Perylene-d12	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	38.48		0	0	0	0.0962	0.1	10	0%			0%	E
2-Fluorobiphenyl	S	ug/L	3.59265	3.4561293		4.81	0	0	0.0427128	0.1	10	72%	25	94	0%	
Nitrobenzene-d5	S	ug/L	4.08504	3.92980848		4.81	0	0	0.0503126	0.1	10	82%	19	102	0%	
Terphenyl-d14	S	ug/L	4.59993	4.42513266		4.81	0	0	0.0541606	0.1	10	92%	39	106	0%	
o-Terphenyl	X	ug/L	4.24058	4.07943796		4.81	0	0	0.0629148	0	0	85%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033860	B22020415-006	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁀2/11/2022 7:06:4		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033860	B22020415-006	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122`2/11/2022 7:06:4		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0.03639	0.0360261		0	0	0	0.020394	0.1	10	0%	0	0	0%	J
2-Methylnaphthalene	A	ug/L	0.03647	0.0361053		0	0	0	0.017424	0.1	10	0%	0	0	0%	J
Acenaphthene	A	ug/L	0	0		0	0	0	0.031383	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0.0699	0.069201		0	0	0	0.02475	0.1	10	0%	0	0	0%	J
Anthracene	A	ug/L	0.0324	0.032076		0	0	0	0.028017	0.1	10	0%	0	0	0%	J
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.026928	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.034353	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.022374	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.026433	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.029205	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.045342	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.036333	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.023067	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0.07394	0.0732006		0	0	0	0.022275	0.1	10	0%	0	0	0%	J
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.048609	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.02871	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0.03593	0.0355707		0	0	0	0.029205	0.1	10	0%	0	0	0%	J
Pyrene	A	ug/L	0	0		0	0	0	0.023661	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	39.6		0	0	0	0.099	0.1	10	0%	0	0	0%	E
2-Fluorobiphenyl	S	ug/L	77.02428	76.2540372		99	0	0	0.043956	0.1	10	77%	25	94	0%	E
Nitrobenzene-d5	S	ug/L	77.90391	77.1248709		99	0	0	0.051777	0.1	10	78%	19	102	0%	E
Terphenyl-d14	S	ug/L	62.31262	61.6894938		99	0	0	0.055737	0.1	10	62%	39	106	0%	E
o-Terphenyl	X	ug/L	0.01506	0		0	0	0	0.064746	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033861	B22020415-006	SVOC-8270C-SI	MS	⁄5975.I\sh021122`2/11/2022 7:39:0		1	163621	2/9/2022 8:1	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033861	B22020415-006	SVOC-8270C-SI	MS	⁄5975.I\sh021122⁀2/11/2022 7:39:0		1	163621	2/9/2022 8:1	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.85874	2.8301526		4.95	0.0360261	0	0.020394	0.1	10	56%	18	117	0%	
2-Methylnaphthalene	A	ug/L	3.16262	3.1309938		4.95	0.0361053	0	0.017424	0.1	10	63%	17	118	0%	
Acenaphthene	A	ug/L	3.82748	3.7892052		4.95	0	0	0.031383	0.1	10	77%	40	92	0%	
Acenaphthylene	A	ug/L	3.48277	3.4479423		4.95	0.069201	0	0.02475	0.1	10	68%	37	96	0%	
Anthracene	A	ug/L	4.0468	4.006332		4.95	0.032076	0	0.028017	0.1	10	80%	46	108	0%	
Benzo(a)anthracene	A	ug/L	4.83654	4.7881746		4.95	0	0	0.026928	0.1	10	97%	41	105	0%	
Benzo(a)pyrene	A	ug/L	3.96815	3.9284685		4.95	0	0	0.034353	0.1	10	79%	42	110	0%	
Benzo(b)fluoranthene	A	ug/L	4.40826	4.3641774		4.95	0	0	0.022374	0.1	10	88%	27	121	0%	
Benzo(g,h,i)perylene	A	ug/L	4.46558	4.4209242		4.95	0	0	0.026433	0.1	10	89%	44	108	0%	
Benzo(k)fluoranthene	A	ug/L	4.15038	4.1088762		4.95	0	0	0.029205	0.1	10	83%	44	111	0%	
Chrysene	A	ug/L	4.48403	4.4391897		4.95	0	0	0.045342	0.1	10	90%	50	106	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.5627	4.517073		4.95	0	0	0.036333	0.1	10	91%	47	111	0%	
Fluoranthene	A	ug/L	4.47533	4.4305767		4.95	0	0	0.023067	0.1	10	90%	44	111	0%	
Fluorene	A	ug/L	3.82372	3.7854828		4.95	0.0732006	0	0.022275	0.1	10	75%	42	99	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.25373	4.2111927		4.95	0	0	0.048609	0.1	10	85%	33	112	0%	
Naphthalene	A	ug/L	2.7501	2.722599		4.95	0	0	0.02871	0.1	10	55%	22	108	0%	
Phenanthrene	A	ug/L	3.77174	3.7340226		4.95	0.0355707	0	0.029205	0.1	10	75%	43	106	0%	
Pyrene	A	ug/L	4.40568	4.3616232		4.95	0	0	0.023661	0.1	10	88%	41	106	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%			0%	
Perylene-d12	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	39.6		0	0	0	0.099	0.1	10	0%			0%	E
2-Fluorobiphenyl	S	ug/L	4.2665	4.223835		4.95	0	0	0.043956	0.1	10	85%	25	94	0%	
Nitrobenzene-d5	S	ug/L	3.36	3.3264		4.95	0	0	0.051777	0.1	10	67%	19	102	0%	
Terphenyl-d14	S	ug/L	6.03345	5.9731155		4.95	0	0	0.055737	0.1	10	121%	39	106	0%	S
o-Terphenyl	X	ug/L	4.07322	4.0324878		4.95	0	0	0.064746	0	0	81%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033862	B22020415-011	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁀2/11/2022 8:11:3		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033862	B22020415-011	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁀2/11/2022 8:11:3		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0196112	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0167552	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0301784	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0238	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0269416	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0258944	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0330344	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0215152	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0254184	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0436016	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0349384	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.0221816	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.02142	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0467432	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.027608	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.0227528	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1	10	0%	0	0	0%	E
2-Fluorobiphenyl	S	ug/L	65.50924	62.3647965		95.2	0	0	0.0422688	0.1	10	66%	25	94	0%	E
Nitrobenzene-d5	S	ug/L	76.26121	72.6006719		95.2	0	0	0.0497896	0.1	10	76%	19	102	0%	E
Terphenyl-d14	S	ug/L	60.6599	57.7482248		95.2	0	0	0.0535976	0.1	10	61%	39	106	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0622608	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033863	B22020415-016	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁀2/11/2022 8:44:0		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033863	B22020415-016	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁀2/11/2022 8:44:0		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0196112	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0167552	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0301784	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0238	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0269416	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0.03719	0.03540488		0	0	0	0.0258944	0.1	10	0%	0	0	0%	J
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0330344	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0215152	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0254184	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0436016	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0349384	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0.16044	0.15273888		0	0	0	0.0221816	0.1	10	0%	0	0	0%	
Fluorene	A	ug/L	0	0		0	0	0	0.02142	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0467432	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.027608	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0.1468	0.1397536		0	0	0	0.0227528	0.1	10	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1	10	0%	0	0	0%	E
2-Fluorobiphenyl	S	ug/L	68.47164	65.1850013		95.2	0	0	0.0422688	0.1	10	68%	25	94	0%	E
Nitrobenzene-d5	S	ug/L	72.70236	69.2126467		95.2	0	0	0.0497896	0.1	10	73%	19	102	0%	E
Terphenyl-d14	S	ug/L	62.39353	59.3986406		95.2	0	0	0.0535976	0.1	10	62%	39	106	0%	E
o-Terphenyl	X	ug/L	0.05907	0		0	0	0	0.0622608	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033864	B22020415-017	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁀2/11/2022 9:16:3		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033864	B22020415-017	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁄2/11/2022 9:16:3		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0.08938	0.08508976		0	0	0	0.0196112	0.1	10	0%	0	0	0%	J
2-Methylnaphthalene	A	ug/L	0.10439	0.09937928		0	0	0	0.0167552	0.1	10	0%	0	0	0%	J
Acenaphthene	A	ug/L	0.11036	0.10506272		0	0	0	0.0301784	0.1	10	0%	0	0	0%	
Acenaphthylene	A	ug/L	0.15378	0.14639856		0	0	0	0.0238	0.1	10	0%	0	0	0%	
Anthracene	A	ug/L	0	0		0	0	0	0.0269416	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0.01837	0		0	0	0	0.0258944	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0330344	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0215152	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0254184	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0436016	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0349384	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0.15398	0.14658896		0	0	0	0.0221816	0.1	10	0%	0	0	0%	
Fluorene	A	ug/L	0.07234	0.06886768		0	0	0	0.02142	0.1	10	0%	0	0	0%	J
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0467432	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0.07247	0.06899144		0	0	0	0.027608	0.1	10	0%	0	0	0%	J
Phenanthrene	A	ug/L	0.02721	0		0	0	0	0.028084	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0.12525	0.119238		0	0	0	0.0227528	0.1	10	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0.0952	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0.0952	0.1	10	0%	0	0	0%	E
2-Fluorobiphenyl	S	ug/L	74.35153	70.7826566		95.2	0	0	0.0422688	0.1	10	74%	25	94	0%	E
Nitrobenzene-d5	S	ug/L	79.19827	75.3967530		95.2	0	0	0.0497896	0.1	10	79%	19	102	0%	E
Terphenyl-d14	S	ug/L	63.19217	60.1589458		95.2	0	0	0.0535976	0.1	10	63%	39	106	0%	E
o-Terphenyl	X	ug/L	0.0803	0.0764456		0	0	0	0.0622608	0	0	0%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033865	B22020415-022	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁄2/11/2022 9:48:5		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033865	B22020415-022	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁐2/11/2022 9:48:5		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.020806	0.101	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.017776	0.101	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.032017	0.101	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.02525	0.101	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.028583	0.101	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.027472	0.101	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.035047	0.101	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.022826	0.101	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.026967	0.101	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.029795	0.101	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.046258	0.101	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.037067	0.101	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.023533	0.101	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.022725	0.101	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.049591	0.101	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.02929	0.101	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.029795	0.101	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.024139	0.101	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	40.4		0	0	0	0.101	0.101		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40.4		0	0	0	0.101	0.101		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40.4		0	0	0	0.101	0.101		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40.4		0	0	0	0.101	0.101		0%	0	0	0%	
Perylene-d12	I	ug/L	40	40.4		0	0	0	0.101	0.101		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40.4		0	0	0	0.101	0.101	10	0%	0	0	0%	E
2-Fluorobiphenyl	S	ug/L	84.16072	85.0023272		101	0	0	0.044844	0.101	10	84%	25	94	0%	E
Nitrobenzene-d5	S	ug/L	94.73645	95.6838145		101	0	0	0.052823	0.101	10	95%	19	102	0%	E
Terphenyl-d14	S	ug/L	65.65856	66.3151456		101	0	0	0.056863	0.101	10	66%	39	106	0%	E
o-Terphenyl	X	ug/L	0	0		0	0	0	0.066054	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033866	B22020415-027	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁐2/11/2022 10:21:		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033866	B22020415-027	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁐2/11/2022 10:21:		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0200026	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0170896	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.0307807	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.024275	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.0274793	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0264112	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0336937	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0219446	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0259257	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.0286445	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.0444718	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0356357	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.0226243	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.0218475	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0476761	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.028159	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.0286445	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.0232069	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.84		0	0	0	0.0971	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.84		0	0	0	0.0971	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.84		0	0	0	0.0971	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.84		0	0	0	0.0971	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.84		0	0	0	0.0971	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.84		0	0	0	0.0971	0.1	10	0%	0	0	0%	E
2-Fluorobiphenyl	S	ug/L	68.87146	66.8741877		97.1	0	0	0.0431124	0.1	10	69%	25	94	0%	E
Nitrobenzene-d5	S	ug/L	81.74712	79.3764535		97.1	0	0	0.0507833	0.1	10	82%	19	102	0%	E
Terphenyl-d14	S	ug/L	63.49752	61.6560919		97.1	0	0	0.0546673	0.1	10	63%	39	106	0%	E
o-Terphenyl	X	ug/L	0.03138	0		0	0	0	0.0635034	0	0	0%	40	140	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033867	B22020415-032	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122⁐2/11/2022 10:53:		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033867	B22020415-032	SVOC-8270C-SI	SAMP	✓5975.I\sh021122	2/11/2022 10:53:	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.020188	0.1	10	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.017248	0.1	10	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	0.031066	0.1	10	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	0.0245	0.1	10	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	0.027734	0.1	10	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.026656	0.1	10	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.034006	0.1	10	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.022148	0.1	10	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.026166	0.1	10	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.02891	0.1	10	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	0.044884	0.1	10	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.035966	0.1	10	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.022834	0.1	10	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	0.02205	0.1	10	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.048118	0.1	10	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	0.02842	0.1	10	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.02891	0.1	10	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.023422	0.1	10	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	39.2		0	0	0	0.098	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	39.2		0	0	0	0.098	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	39.2		0	0	0	0.098	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	39.2		0	0	0	0.098	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	39.2		0	0	0	0.098	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	39.2		0	0	0	0.098	0.1	10	0%	0	0	0%	E
2-Fluorobiphenyl	S	ug/L	71.34995	69.922951		98	0	0	0.043512	0.1	10	71%	25	94	0%	E
Nitrobenzene-d5	S	ug/L	73.94588	72.4669624		98	0	0	0.051254	0.1	10	74%	19	102	0%	E
Terphenyl-d14	S	ug/L	60.89097	59.6731506		98	0	0	0.055174	0.1	10	61%	39	106	0%	E
o-Terphenyl	X	ug/L	0.69868	0.6847064		0	0	0	0.064092	0	0	0%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033868	B22020528-001	SVOC-8270-W-	SAMP	✓5975.I\sh021122	2/11/2022 11:26:	20	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033868	B22020528-001	SVOC-8270-W-	SAMP	✓5975.I\sh021122	2/11/2022 11:26:	20	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2-Fluorobiphenyl	S	ug/L	2.9751	58.90698		99	0	0	0.87912	10	0	60%	28	107	0%	
Nitrobenzene-d5	S	ug/L	2.54543	50.399514		99	0	0	1.03554	10	0	51%	32	94	0%	
Terphenyl-d14	S	ug/L	4.27311	84.607578		99	0	0	1.11474	10	0	85%	32	122	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033869	B22020528-001	SVOC-8270-W-	SAMP	✓5975.I\sh021122	2/11/2022 11:58:	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.020394	10	150	0%	0	0	0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.017424	10	150	0%	0	0	0%	
Acenaphthene	A	ug/L	0	0		0	0	0	0.031383	10	150	0%	0	0	0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	0.02475	10	150	0%	0	0	0%	
Anthracene	A	ug/L	0	0		0	0	0	0.028017	10	150	0%	0	0	0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.026928	10	150	0%	0	0	0%	
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.034353	10	150	0%	0	0	0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.022374	10	150	0%	0	0	0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.026433	10	150	0%	0	0	0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.029205	10	150	0%	0	0	0%	
Chrysene	A	ug/L	0	0		0	0	0	0.045342	10	150	0%	0	0	0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.036333	10	150	0%	0	0	0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.023067	10	150	0%	0	0	0%	
Fluorene	A	ug/L	0	0		0	0	0	0.022275	10	150	0%	0	0	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.048609	10	150	0%	0	0	0%	
Naphthalene	A	ug/L	0	0		0	0	0	0.02871	10	150	0%	0	0	0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.029205	10	150	0%	0	0	0%	
Pyrene	A	ug/L	0	0		0	0	0	0.023661	10	150	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	39.6		0	0	0	0.099	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	39.6		0	0	0	0.099	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	39.6		0	0	0	0.099	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	39.6		0	0	0	0.099	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	39.6		0	0	0	0.099	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	39.6		0	0	0	0.099	10	150	0%	0	0	0%	
o-Terphenyl	X	ug/L	0	0		198	0	0	0.064746	10	150	0%	40	140	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033870	11-Feb-22_ISTB	SVOC-8270C-SI	SAMP	⁄5975.I\sh021122˙2/12/2022 12:31:		1	R374633		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0206	0.1	10	0%	0	0	0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0176	0.1	10	0%	0	0	0%	
Acenaphthene	A	ug/L	0	0		0	0	0	0.0317	0.1	10	0%	0	0	0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	0.025	0.1	10	0%	0	0	0%	
Anthracene	A	ug/L	0	0		0	0	0	0.0283	0.1	10	0%	0	0	0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0272	0.1	10	0%	0	0	0%	
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0347	0.1	10	0%	0	0	0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0226	0.1	10	0%	0	0	0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0267	0.1	10	0%	0	0	0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%	0	0	0%	
Chrysene	A	ug/L	0	0		0	0	0	0.0458	0.1	10	0%	0	0	0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0367	0.1	10	0%	0	0	0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.0233	0.1	10	0%	0	0	0%	
Fluorene	A	ug/L	0	0		0	0	0	0.0225	0.1	10	0%	0	0	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0491	0.1	10	0%	0	0	0%	
Naphthalene	A	ug/L	0	0		0	0	0	0.029	0.1	10	0%	0	0	0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%	0	0	0%	
Pyrene	A	ug/L	0	0		0	0	0	0.0239	0.1	10	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%	0	0	0%	E
2-Fluorobiphenyl	S	ug/L	0	0		5	0	0	0.0444	0.1	10	0%	25	94	0%	S
Nitrobenzene-d5	S	ug/L	0	0		5	0	0	0.0523	0.1	10	0%	19	102	0%	S
Terphenyl-d14	S	ug/L	0	0		5	0	0	0.0563	0.1	10	0%	39	106	0%	S
o-Terphenyl	X	ug/L	0	0		200	0	0	0.0654	0	0	0%	40	140	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033871	11-Feb-22_CCV	SVOC-8270C-SI	CCV	⁄5975.I\sh021122˙2/14/2022 11:04:		1	R374633		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033871	11-Feb-22_CCV	SVOC-8270C-SI	CCV	/5975.I\sh021122\2/14/2022 11:04:		1	R374633		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	1.88599	1.88599		2	0	0	0.0206	0.1	10	94%	50	150	0%	
2-Methylnaphthalene	A	ug/L	1.883	1.883		2	0	0	0.0176	0.1	10	94%	50	150	0%	
Acenaphthene	A	ug/L	1.85587	1.85587		2	0	0	0.0317	0.1	10	93%	50	150	0%	
Acenaphthylene	A	ug/L	1.8805	1.8805		2	0	0	0.025	0.1	10	94%	50	150	0%	
Anthracene	A	ug/L	2.03492	2.03492		2	0	0	0.0283	0.1	10	102%	50	150	0%	
Benzo(a)anthracene	A	ug/L	2.11354	2.11354		2	0	0	0.0272	0.1	10	106%	50	150	0%	
Benzo(a)pyrene	A	ug/L	1.86354	1.86354		2	0	0	0.0347	0.1	10	93%	50	150	0%	
Benzo(b)fluoranthene	A	ug/L	1.90387	1.90387		2	0	0	0.0226	0.1	10	95%	50	150	0%	
Benzo(g,h,i)perylene	A	ug/L	1.9353	1.9353		2	0	0	0.0267	0.1	10	97%	50	150	0%	
Benzo(k)fluoranthene	A	ug/L	1.82616	1.82616		2	0	0	0.0295	0.1	10	91%	50	150	0%	
Chrysene	A	ug/L	1.92272	1.92272		2	0	0	0.0458	0.1	10	96%	50	150	0%	
Dibenzo(a,h)anthracene	A	ug/L	1.97925	1.97925		2	0	0	0.0367	0.1	10	99%	50	150	0%	
Fluoranthene	A	ug/L	2.08204	2.08204		2	0	0	0.0233	0.1	10	104%	50	150	0%	
Fluorene	A	ug/L	2.06322	2.06322		2	0	0	0.0225	0.1	10	103%	50	150	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	1.95582	1.95582		2	0	0	0.0491	0.1	10	98%	50	150	0%	
Naphthalene	A	ug/L	1.79837	1.79837		2	0	0	0.029	0.1	10	90%	50	150	0%	
Phenanthrene	A	ug/L	1.99108	1.99108		2	0	0	0.0295	0.1	10	100%	50	150	0%	
Pyrene	A	ug/L	2.11052	2.11052		2	0	0	0.0239	0.1	10	106%	50	150	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	50	150	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1	10	0%	50	150	0%	
2-Fluorobiphenyl	S	ug/L	2.14668	2.14668		2	0	0	0.0444	0.1	10	107%	50	150	0%	
Nitrobenzene-d5	S	ug/L	1.83823	1.83823		2	0	0	0.0523	0.1	10	92%	50	150	0%	
Terphenyl-d14	S	ug/L	2.03048	2.03048		2	0	0	0.0563	0.1	10	102%	50	150	0%	
o-Terphenyl	X	ug/L	2.09053	2.09053		2	0	0	0.0654	0	0	105%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033875	11-Feb-22_CCV	SVOC-8270-W-	CCV	/5975.I\sh021122\2/11/2022 3:17:3		1	R374633		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033875	11-Feb-22_CCV	SVOC-8270-W-	CCV	/5975.I\sh021122\2/11/2022 3:17:3		1	R374633		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	1.91917	1.91917		2	0	0	0.0206	0.1	10	96%	80	120	0%	
2-Methylnaphthalene	A	ug/L	1.80388	1.80388		2	0	0	0.0176	0.1	10	90%	80	120	0%	
Acenaphthene	A	ug/L	1.92589	1.92589		2	0	0	0.0317	0.1	10	96%	80	120	0%	
Acenaphthylene	A	ug/L	2.03107	2.03107		2	0	0	0.025	0.1	10	102%	80	120	0%	
Anthracene	A	ug/L	1.98703	1.98703		2	0	0	0.0283	0.1	10	99%	80	120	0%	
Benzo(a)anthracene	A	ug/L	2.19722	2.19722		2	0	0	0.0272	0.1	10	110%	80	120	0%	
Benzo(a)pyrene	A	ug/L	1.97351	1.97351		2	0	0	0.0347	0.1	10	99%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	1.99509	1.99509		2	0	0	0.0226	0.1	10	100%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	2.03251	2.03251		2	0	0	0.0267	0.1	10	102%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	1.93275	1.93275		2	0	0	0.0295	0.1	10	97%	80	120	0%	
Chrysene	A	ug/L	2.0249	2.0249		2	0	0	0.0458	0.1	10	101%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	2.02863	2.02863		2	0	0	0.0367	0.1	10	101%	80	120	0%	
Fluoranthene	A	ug/L	1.98219	1.98219		2	0	0	0.0233	0.1	10	99%	80	120	0%	
Fluorene	A	ug/L	2.03939	2.03939		2	0	0	0.0225	0.1	10	102%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	1.95114	1.95114		2	0	0	0.0491	0.1	10	98%	80	120	0%	
Naphthalene	A	ug/L	1.8564	1.8564		2	0	0	0.029	0.1	10	93%	80	120	0%	
Phenanthrene	A	ug/L	1.92118	1.92118		2	0	0	0.0295	0.1	10	96%	80	120	0%	
Pyrene	A	ug/L	1.99777	1.99777		2	0	0	0.0239	0.1	10	100%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	2.1897	2.1897		2	0	0	0.0444	0.1	10	109%	80	120	0%	
Nitrobenzene-d5	S	ug/L	1.89794	1.89794		2	0	0	0.0523	0.1	10	95%	80	120	0%	
Terphenyl-d14	S	ug/L	2.09034	2.09034		2	0	0	0.0563	0.1	10	105%	80	120	0%	
o-Terphenyl	X	ug/L	2.09043	2.09043		2	0	0	0.0654	0.1	10	105%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033876	MB-163621	SVOC-8270-W-	MBLK	/5975.I\sh021122\2/11/2022 4:23:5		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033876	MB-163621	SVOC-8270-W-	MBLK	⁄5975.I\sh021122⁄2/11/2022 4:23:5		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0206	0.1	10	0%			0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	0.0176	0.1	10	0%			0%	
Acenaphthene	A	ug/L	0	0		0	0	0	0.0317	0.1	10	0%			0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	0.025	0.1	10	0%			0%	
Anthracene	A	ug/L	0	0		0	0	0	0.0283	0.1	10	0%			0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.0272	0.1	10	0%			0%	
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	0.0347	0.1	10	0%			0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.0226	0.1	10	0%			0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.0267	0.1	10	0%			0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%			0%	
Chrysene	A	ug/L	0	0		0	0	0	0.0458	0.1	10	0%			0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	0.0367	0.1	10	0%			0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.0233	0.1	10	0%			0%	
Fluorene	A	ug/L	0	0		0	0	0	0.0225	0.1	10	0%			0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	0.0491	0.1	10	0%			0%	
Naphthalene	A	ug/L	0	0		0	0	0	0.029	0.1	10	0%			0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.0295	0.1	10	0%			0%	
Pyrene	A	ug/L	0	0		0	0	0	0.0239	0.1	10	0%			0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	68.83333	68.83333		100	0	0	0.0444	0.1	10	69%	25	94	0%	
Nitrobenzene-d5	S	ug/L	81.86627	81.86627		100	0	0	0.0523	0.1	10	82%	19	102	0%	
Terphenyl-d14	S	ug/L	63.26226	63.26226		100	0	0	0.0563	0.1	10	63%	39	106	0%	
o-Terphenyl	X	ug/L	0	0		0	0	0	0.0654	0.1	10	0%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033877	LLCS-163621	SVOC-8270-W-	LCS	⁄5975.I\sh021122⁄2/11/2022 4:56:3		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033877	LLCS-163621	SVOC-8270-W-	LCS	⁄5975.I\sh021122`2/11/2022 4:56:3		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.81769	2.81769		5	0	0	0.0206	0.1	10	56%	18	117	0%	
2-Methylnaphthalene	A	ug/L	2.90787	2.90787		5	0	0	0.0176	0.1	10	58%	18	117	0%	
Acenaphthene	A	ug/L	3.65162	3.65162		5	0	0	0.0317	0.1	10	73%	40	92	0%	
Acenaphthylene	A	ug/L	3.38968	3.38968		5	0	0	0.025	0.1	10	68%	37	96	0%	
Anthracene	A	ug/L	4.38576	4.38576		5	0	0	0.0283	0.1	10	88%	46	108	0%	
Benzo(a)anthracene	A	ug/L	4.59261	4.59261		5	0	0	0.0272	0.1	10	92%	41	105	0%	
Benzo(a)pyrene	A	ug/L	4.14559	4.14559		5	0	0	0.0347	0.1	10	83%	42	110	0%	
Benzo(b)fluoranthene	A	ug/L	4.37832	4.37832		5	0	0	0.0226	0.1	10	88%	27	121	0%	
Benzo(g,h,i)perylene	A	ug/L	4.60669	4.60669		5	0	0	0.0267	0.1	10	92%	44	108	0%	
Benzo(k)fluoranthene	A	ug/L	4.21316	4.21316		5	0	0	0.0295	0.1	10	84%	44	111	0%	
Chrysene	A	ug/L	4.3577	4.3577		5	0	0	0.0458	0.1	10	87%	50	106	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.48096	4.48096		5	0	0	0.0367	0.1	10	90%	47	111	0%	
Fluoranthene	A	ug/L	4.5314	4.5314		5	0	0	0.0233	0.1	10	91%	44	111	0%	
Fluorene	A	ug/L	3.64816	3.64816		5	0	0	0.0225	0.1	10	73%	42	99	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.32167	4.32167		5	0	0	0.0491	0.1	10	86%	33	112	0%	
Naphthalene	A	ug/L	2.74403	2.74403		5	0	0	0.029	0.1	10	55%	22	108	0%	
Phenanthrene	A	ug/L	4.14978	4.14978		5	0	0	0.0295	0.1	10	83%	43	106	0%	
Pyrene	A	ug/L	4.14889	4.14889		5	0	0	0.0239	0.1	10	83%	41	106	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	3.55611	3.55611		5	0	0	0.0444	0.1	10	71%	25	94	0%	
Nitrobenzene-d5	S	ug/L	3.59373	3.59373		5	0	0	0.0523	0.1	10	72%	19	102	0%	
Terphenyl-d14	S	ug/L	4.30279	4.30279		5	0	0	0.0563	0.1	10	86%	39	106	0%	
o-Terphenyl	X	ug/L	4.37328	4.37328		5	0	0	0.0654	0.1	10	87%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033878	LLCSD-163621	SVOC-8270-W-	LCSD	⁄5975.I\sh021122`2/11/2022 5:28:5		1	163621	2/9/2022 8:1	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033878	LLCSD-163621	SVOC-8270-W-	LCSD	⁄5975.I\sh021122⁀2/11/2022 5:28:5		1	163621	2/9/2022 8:1	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.69891	2.69891		5	0	2.81769	0.0206	0.1	10	54%	18	117	4%	
2-Methylnaphthalene	A	ug/L	2.81664	2.81664		5	0	2.90787	0.0176	0.1	10	56%	18	117	3%	
Acenaphthene	A	ug/L	3.51438	3.51438		5	0	3.65162	0.0317	0.1	10	70%	40	92	4%	
Acenaphthylene	A	ug/L	3.266	3.266		5	0	3.38968	0.025	0.1	10	65%	37	96	4%	
Anthracene	A	ug/L	4.2951	4.2951		5	0	4.38576	0.0283	0.1	10	86%	46	108	2%	
Benzo(a)anthracene	A	ug/L	5.06426	5.06426		5	0	4.59261	0.0272	0.1	10	101%	41	105	10%	
Benzo(a)pyrene	A	ug/L	4.4067	4.4067		5	0	4.14559	0.0347	0.1	10	88%	42	110	6%	
Benzo(b)fluoranthene	A	ug/L	4.58534	4.58534		5	0	4.37832	0.0226	0.1	10	92%	27	121	5%	
Benzo(g,h,i)perylene	A	ug/L	4.8481	4.8481		5	0	4.60669	0.0267	0.1	10	97%	44	108	5%	
Benzo(k)fluoranthene	A	ug/L	4.30219	4.30219		5	0	4.21316	0.0295	0.1	10	86%	44	111	2%	
Chrysene	A	ug/L	4.70142	4.70142		5	0	4.3577	0.0458	0.1	10	94%	50	106	8%	
Dibenzo(a,h)anthracene	A	ug/L	4.62675	4.62675		5	0	4.48096	0.0367	0.1	10	93%	47	111	3%	
Fluoranthene	A	ug/L	4.42542	4.42542		5	0	4.5314	0.0233	0.1	10	89%	44	111	2%	
Fluorene	A	ug/L	3.54201	3.54201		5	0	3.64816	0.0225	0.1	10	71%	42	99	3%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.5861	4.5861		5	0	4.32167	0.0491	0.1	10	92%	33	112	6%	
Naphthalene	A	ug/L	2.62212	2.62212		5	0	2.74403	0.029	0.1	10	52%	22	108	5%	
Phenanthrene	A	ug/L	4.07997	4.07997		5	0	4.14978	0.0295	0.1	10	82%	43	106	2%	
Pyrene	A	ug/L	4.4596	4.4596		5	0	4.14889	0.0239	0.1	10	89%	41	106	7%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	3.51725	3.51725		5	0	0	0.0444	0.1	10	70%	25	94	0%	
Nitrobenzene-d5	S	ug/L	3.26444	3.26444		5	0	0	0.0523	0.1	10	65%	19	102	0%	
Terphenyl-d14	S	ug/L	4.7936	4.7936		5	0	0	0.0563	0.1	10	96%	39	106	0%	
o-Terphenyl	X	ug/L	4.07765	4.07765		5	0	4.37328	0.0654	0.1	10	82%	40	140	7%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033879	B22020415-001	SVOC-8270-W-	MS	⁄5975.I\sh021122⁀2/11/2022 6:34:0		1	163621	2/9/2022 8:1	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033879	B22020415-001	SVOC-8270-W-	MS	⁄5975.I\sh021122⁀2/11/2022 6:34:0		1	163621	2/9/2022 8:1	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	3.26196	3.13800552		4.81	0	0	0.0198172	0.1	10	65%	18	117	0%	
2-Methylnaphthalene	A	ug/L	3.82767	3.68221854		4.81	0	0	0.0169312	0.1	10	77%	17	118	0%	
Acenaphthene	A	ug/L	4.47725	4.3071145		4.81	0	0	0.0304954	0.1	10	90%	40	92	0%	
Acenaphthylene	A	ug/L	4.06048	3.90618176		4.81	0	0	0.02405	0.1	10	81%	37	96	0%	
Anthracene	A	ug/L	4.42702	4.25879324		4.81	0	0	0.0272246	0.1	10	89%	46	108	0%	
Benzo(a)anthracene	A	ug/L	4.82533	4.64196746		4.81	0	0	0.0261664	0.1	10	97%	41	105	0%	
Benzo(a)pyrene	A	ug/L	4.2839	4.1211118		4.81	0	0	0.0333814	0.1	10	86%	42	110	0%	
Benzo(b)fluoranthene	A	ug/L	4.55326	4.38023612		4.81	0	0	0.0217412	0.1	10	91%	27	121	0%	
Benzo(g,h,i)perylene	A	ug/L	4.66513	4.48785506		4.81	0	0	0.0256854	0.1	10	93%	44	108	0%	
Benzo(k)fluoranthene	A	ug/L	4.35514	4.18964468		4.81	0	0	0.028379	0.1	10	87%	44	111	0%	
Chrysene	A	ug/L	4.45068	4.28155416		4.81	0	0	0.0440596	0.1	10	89%	50	106	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.66928	4.49184736		4.81	0	0	0.0353054	0.1	10	93%	47	111	0%	
Fluoranthene	A	ug/L	4.4396	4.2708952		4.81	0	0	0.0224146	0.1	10	89%	44	111	0%	
Fluorene	A	ug/L	4.24542	4.08409404		4.81	0	0	0.021645	0.1	10	85%	42	99	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.51816	4.34646992		4.81	0	0	0.0472342	0.1	10	90%	33	112	0%	
Naphthalene	A	ug/L	3.36837	3.24037194		4.81	0	0	0.027898	0.1	10	67%	22	108	0%	
Phenanthrene	A	ug/L	4.20124	4.04159288		4.81	0	0	0.028379	0.1	10	84%	43	106	0%	
Pyrene	A	ug/L	4.45201	4.28283362		4.81	0	0	0.0229918	0.1	10	89%	41	106	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Perylene-d12	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	38.48		0	0	0	0.0962	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	3.59265	3.4561293		4.81	0	0	0.0427128	0.1	10	72%	25	94	0%	
Nitrobenzene-d5	S	ug/L	4.08504	3.92980848		4.81	0	0	0.0503126	0.1	10	82%	19	102	0%	
Terphenyl-d14	S	ug/L	4.59993	4.42513266		4.81	0	0	0.0541606	0.1	10	92%	39	106	0%	
o-Terphenyl	X	ug/L	4.24058	4.07943796		192.4	0	0	0.0629148	0.1	10	2%	40	140	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033880	B22020415-006	SVOC-8270-W-	MS	⁄5975.I\sh021122⁀2/11/2022 7:39:0		1	163621	2/9/2022 8:1	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15033880	B22020415-006	SVOC-8270-W-	MS	⁄5975.I\sh021122`2/11/2022 7:39:0		1	163621	2/9/2022 8:1	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.85874	2.8301526		4.95	0.0360261	0	0.020394	0.1	10	56%	18	117	0%	
2-Methylnaphthalene	A	ug/L	3.16262	3.1309938		4.95	0.0361053	0	0.017424	0.1	10	63%	17	118	0%	
Acenaphthene	A	ug/L	3.82748	3.7892052		4.95	0	0	0.031383	0.1	10	77%	40	92	0%	
Acenaphthylene	A	ug/L	3.48277	3.4479423		4.95	0.069201	0	0.02475	0.1	10	68%	37	96	0%	
Anthracene	A	ug/L	4.0468	4.006332		4.95	0.032076	0	0.028017	0.1	10	80%	46	108	0%	
Benzo(a)anthracene	A	ug/L	4.83654	4.7881746		4.95	0	0	0.026928	0.1	10	97%	41	105	0%	
Benzo(a)pyrene	A	ug/L	3.96815	3.9284685		4.95	0	0	0.034353	0.1	10	79%	42	110	0%	
Benzo(b)fluoranthene	A	ug/L	4.40826	4.3641774		4.95	0	0	0.022374	0.1	10	88%	27	121	0%	
Benzo(g,h,i)perylene	A	ug/L	4.46558	4.4209242		4.95	0	0	0.026433	0.1	10	89%	44	108	0%	
Benzo(k)fluoranthene	A	ug/L	4.15038	4.1088762		4.95	0	0	0.029205	0.1	10	83%	44	111	0%	
Chrysene	A	ug/L	4.48403	4.4391897		4.95	0	0	0.045342	0.1	10	90%	50	106	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.5627	4.517073		4.95	0	0	0.036333	0.1	10	91%	47	111	0%	
Fluoranthene	A	ug/L	4.47533	4.4305767		4.95	0	0	0.023067	0.1	10	90%	44	111	0%	
Fluorene	A	ug/L	3.82372	3.7854828		4.95	0.0732006	0	0.022275	0.1	10	75%	42	99	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.25373	4.2111927		4.95	0	0	0.048609	0.1	10	85%	33	112	0%	
Naphthalene	A	ug/L	2.7501	2.722599		4.95	0	0	0.02871	0.1	10	55%	22	108	0%	
Phenanthrene	A	ug/L	3.77174	3.7340226		4.95	0.0355707	0	0.029205	0.1	10	75%	43	106	0%	
Pyrene	A	ug/L	4.40568	4.3616232		4.95	0	0	0.023661	0.1	10	88%	41	106	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%			0%	
Perylene-d12	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	39.6		0	0	0	0.099	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	4.2665	4.223835		4.95	0	0	0.043956	0.1	10	85%	25	94	0%	
Nitrobenzene-d5	S	ug/L	3.36	3.3264		4.95	0	0	0.051777	0.1	10	67%	19	102	0%	
Terphenyl-d14	S	ug/L	6.03345	5.9731155		4.95	0	0	0.055737	0.1	10	121%	39	106	0%	S
o-Terphenyl	X	ug/L	4.07322	4.0324878		198	0	0	0.064746	0.1	10	2%	40	140	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044514	LLCS-163621	SVOC-8270-W-	LCS	⁄5975.I\sh021122`2/11/2022 4:56:3		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044514	LLCS-163621	SVOC-8270-W-	LCS	⁄5975.I\sh021122⁄2/11/2022 4:56:3		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.81769	2.81769		5	0	0	0.0206	0.1	10	56%	18	117	0%	
2-Methylnaphthalene	A	ug/L	2.90787	2.90787		5	0	0	0.0176	0.1	10	58%	18	117	0%	
Acenaphthene	A	ug/L	3.65162	3.65162		5	0	0	0.0317	0.1	10	73%	40	92	0%	
Acenaphthylene	A	ug/L	3.38968	3.38968		5	0	0	0.025	0.1	10	68%	37	96	0%	
Anthracene	A	ug/L	4.38576	4.38576		5	0	0	0.0283	0.1	10	88%	46	108	0%	
Benzo(a)anthracene	A	ug/L	4.59261	4.59261		5	0	0	0.0272	0.1	10	92%	41	105	0%	
Benzo(a)pyrene	A	ug/L	4.14559	4.14559		5	0	0	0.0347	0.1	10	83%	42	110	0%	
Benzo(b)fluoranthene	A	ug/L	4.37832	4.37832		5	0	0	0.0226	0.1	10	88%	27	121	0%	
Benzo(g,h,i)perylene	A	ug/L	4.60669	4.60669		5	0	0	0.0267	0.1	10	92%	44	108	0%	
Benzo(k)fluoranthene	A	ug/L	4.21316	4.21316		5	0	0	0.0295	0.1	10	84%	44	111	0%	
Chrysene	A	ug/L	4.3577	4.3577		5	0	0	0.0458	0.1	10	87%	50	106	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.48096	4.48096		5	0	0	0.0367	0.1	10	90%	47	111	0%	
Fluoranthene	A	ug/L	4.5314	4.5314		5	0	0	0.0233	0.1	10	91%	44	111	0%	
Fluorene	A	ug/L	3.64816	3.64816		5	0	0	0.0225	0.1	10	73%	42	99	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.32167	4.32167		5	0	0	0.0491	0.1	10	86%	33	112	0%	
Naphthalene	A	ug/L	2.74403	2.74403		5	0	0	0.029	0.1	10	55%	22	108	0%	
Phenanthrene	A	ug/L	4.14978	4.14978		5	0	0	0.0295	0.1	10	83%	43	106	0%	
Pyrene	A	ug/L	4.14889	4.14889		5	0	0	0.0239	0.1	10	83%	41	106	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	3.55611	3.55611		5	0	0	0.0444	0.1	10	71%	25	94	0%	
Nitrobenzene-d5	S	ug/L	3.59373	3.59373		5	0	0	0.0523	0.1	10	72%	19	102	0%	
Terphenyl-d14	S	ug/L	4.30279	4.30279		5	0	0	0.0563	0.1	10	86%	39	106	0%	
o-Terphenyl	X	ug/L	4.37328	4.37328		5	0	0	0.0654	0.1	10	87%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044515	LLCSD-163621	SVOC-8270-W-	LCSD	⁄5975.I\sh021122⁄2/11/2022 5:28:5		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044515	LLCSD-163621	SVOC-8270-W-	LCSD	⁄5975.I\sh021122	2/11/2022 5:28:5	1	163621	2/9/2022 8:1	0	0	

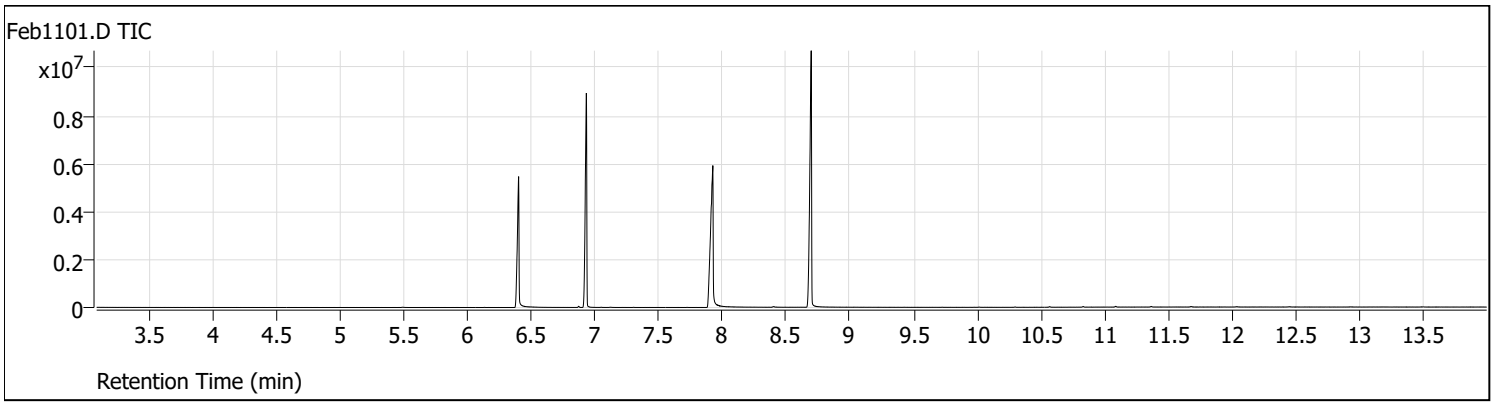
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1-Methylnaphthalene	A	ug/L	2.69891	2.69891		5	0	0	0.0206	0.1	10	54%	18	117	0%	
2-Methylnaphthalene	A	ug/L	2.81664	2.81664		5	0	0	0.0176	0.1	10	56%	18	117	0%	
Acenaphthene	A	ug/L	3.51438	3.51438		5	0	0	0.0317	0.1	10	70%	40	92	0%	
Acenaphthylene	A	ug/L	3.266	3.266		5	0	0	0.025	0.1	10	65%	37	96	0%	
Anthracene	A	ug/L	4.2951	4.2951		5	0	0	0.0283	0.1	10	86%	46	108	0%	
Benzo(a)anthracene	A	ug/L	5.06426	5.06426		5	0	0	0.0272	0.1	10	101%	41	105	0%	
Benzo(a)pyrene	A	ug/L	4.4067	4.4067		5	0	0	0.0347	0.1	10	88%	42	110	0%	
Benzo(b)fluoranthene	A	ug/L	4.58534	4.58534		5	0	0	0.0226	0.1	10	92%	27	121	0%	
Benzo(g,h,i)perylene	A	ug/L	4.8481	4.8481		5	0	0	0.0267	0.1	10	97%	44	108	0%	
Benzo(k)fluoranthene	A	ug/L	4.30219	4.30219		5	0	0	0.0295	0.1	10	86%	44	111	0%	
Chrysene	A	ug/L	4.70142	4.70142		5	0	0	0.0458	0.1	10	94%	50	106	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.62675	4.62675		5	0	0	0.0367	0.1	10	93%	47	111	0%	
Fluoranthene	A	ug/L	4.42542	4.42542		5	0	0	0.0233	0.1	10	89%	44	111	0%	
Fluorene	A	ug/L	3.54201	3.54201		5	0	0	0.0225	0.1	10	71%	42	99	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.5861	4.5861		5	0	0	0.0491	0.1	10	92%	33	112	0%	
Naphthalene	A	ug/L	2.62212	2.62212		5	0	0	0.029	0.1	10	52%	22	108	0%	
Phenanthrene	A	ug/L	4.07997	4.07997		5	0	0	0.0295	0.1	10	82%	43	106	0%	
Pyrene	A	ug/L	4.4596	4.4596		5	0	0	0.0239	0.1	10	89%	41	106	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0.1	0.1		0%			0%	
2-Fluorobiphenyl	S	ug/L	3.51725	3.51725		5	0	0	0.0444	0.1	10	70%	25	94	0%	
Nitrobenzene-d5	S	ug/L	3.26444	3.26444		5	0	0	0.0523	0.1	10	65%	19	102	0%	
Terphenyl-d14	S	ug/L	4.7936	4.7936		5	0	0	0.0563	0.1	10	96%	39	106	0%	
o-Terphenyl	X	ug/L	4.07765	4.07765		5	0	0	0.0654	0.1	10	82%	40	140	0%	

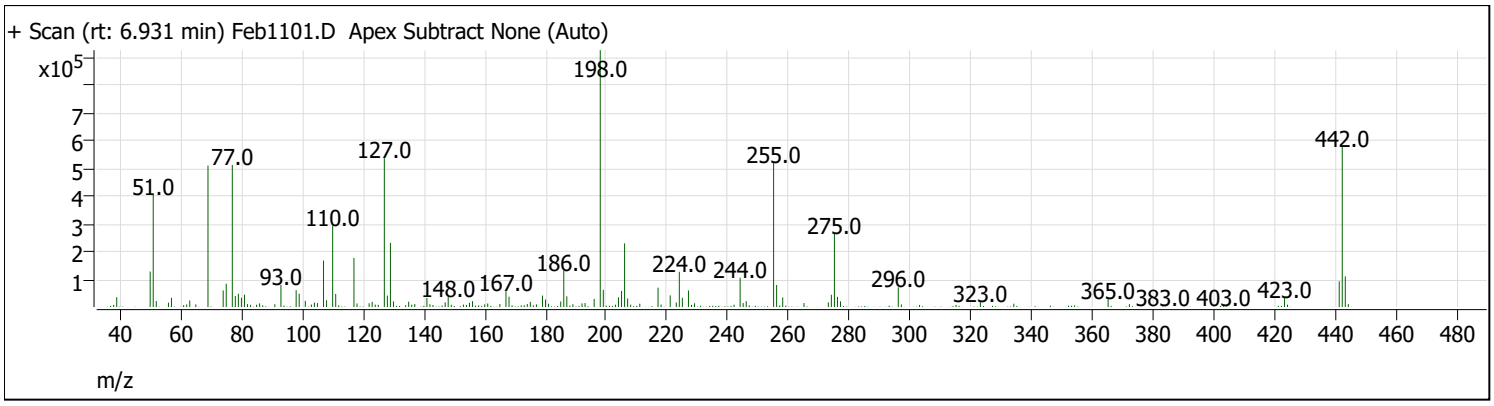
Write Sequence | Insert Entries(Have the first cell for entries selecte

File Name	Sample Name	Line No.	Test Code	Multiplier	Divisor	Method Name
Feb1101.d	11-Feb-22_TUNE_1	1		1	1	5975Tune.M
Feb1102.d	11-Feb-22_CCV_2	2	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1103.d	11-Feb-22_ISTBLK_3	3	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1104.d	MB-163621	4	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1105.d	LLCS-163621	5	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1106.d	LLCSD-163621	6	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1107.d	B22020415-001C	7	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1108.d	B22020415-001CLMS	8	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1109.d	B22020415-006C	9	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1110.d	B22020415-006CLMS	10	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1111.d	B22020415-011C	11	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1112.d	B22020415-016A	12	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1113.d	B22020415-017C	13	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1114.d	B22020415-022C	14	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1115.d	B22020415-027C	15	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1116.d	B22020415-032C	16	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1117.d	B22020528-001B	17	SVOC-8270-W-PAH	20	1	5975BNASIM.M
Feb1118.d	B22020528-001B	18	SVOC-8270-W-PAH	1	1	5975BNASIM.M
Feb1119.d	11-Feb-22_ISTBLK_19	3	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M
Feb1120.d	11-Feb-22_CCV_20	19	SVOC-8270C-SIM-W-LLPA	1	1	5975BNASIM.M

Tune Evaluation Report

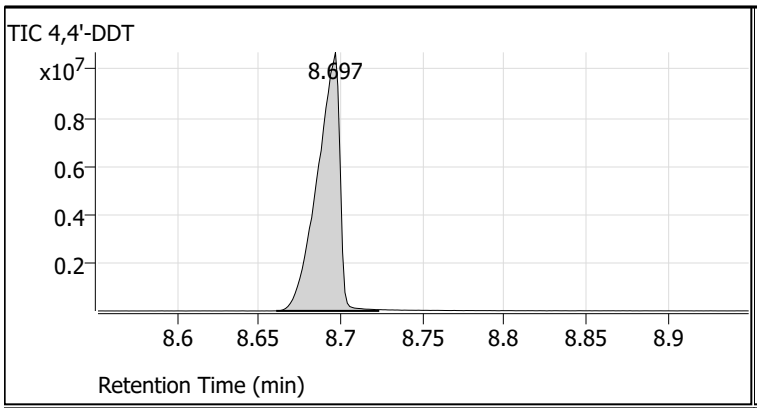
Data Path:	\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1101.D
Acq on:	2/11/2022 2:53:48 PM
Operator:	LIMS import
Sample:	11-Feb-22_TUNE_1
Inst Name:	GCMS
ALS Vial:	1
Method:	\\MASSHUNTER\Org\Data\SV5975.I\Methods\DFTPP5975625.m

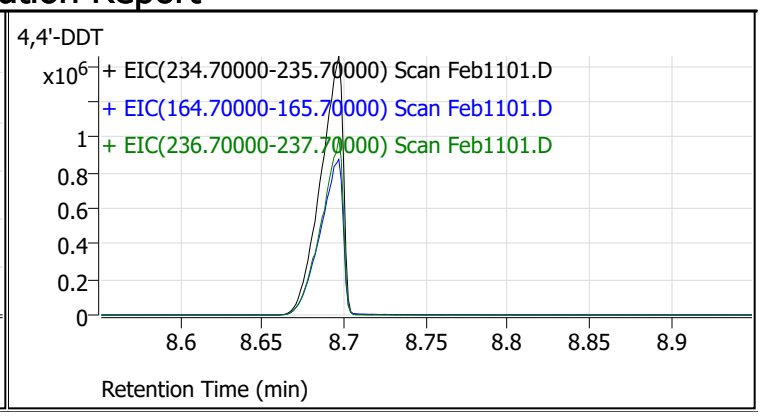


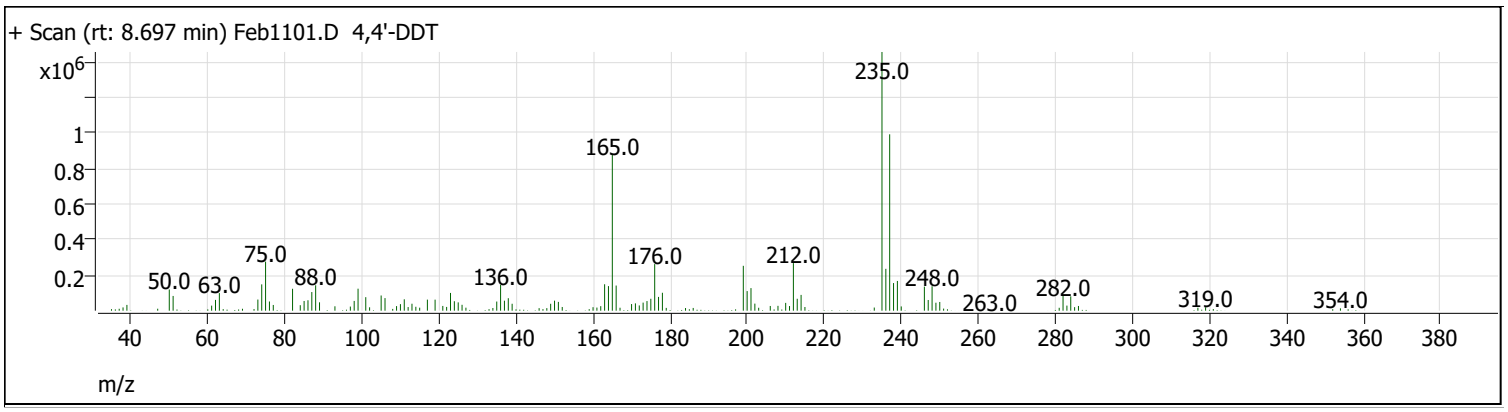


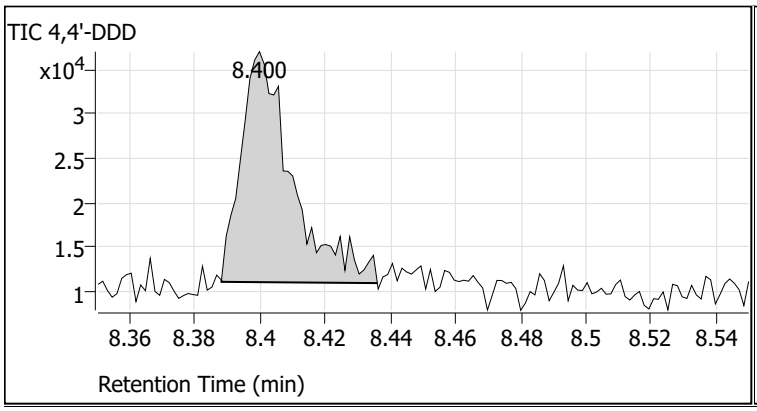
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
51	198	30	60	43.7	404416	Pass
68	69	0	2	0.0	0	Pass
70	69	0	2	0.4	2050	Pass
127	198	40	60	57.9	535744	Pass
197	198	0	1	0.0	0	Pass
198	198	100	100	100.0	924544	Pass
199	198	5	9	6.7	61968	Pass
275	198	10	30	28.4	262912	Pass
365	198	1	100	3.1	28640	Pass
441	443	1E-10	150	84.1	92616	Pass
442	198	40	100	62.4	576960	Pass
443	442	17	23	19.1	110128	Pass
69	69	100	100	100.0	509120	Pass

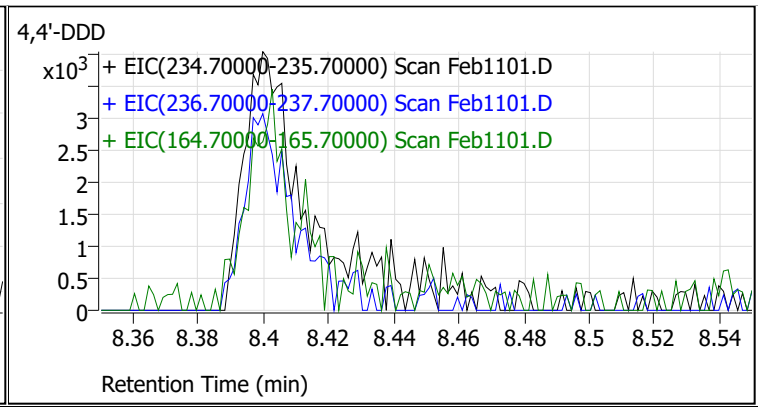
Tune Evaluation Report

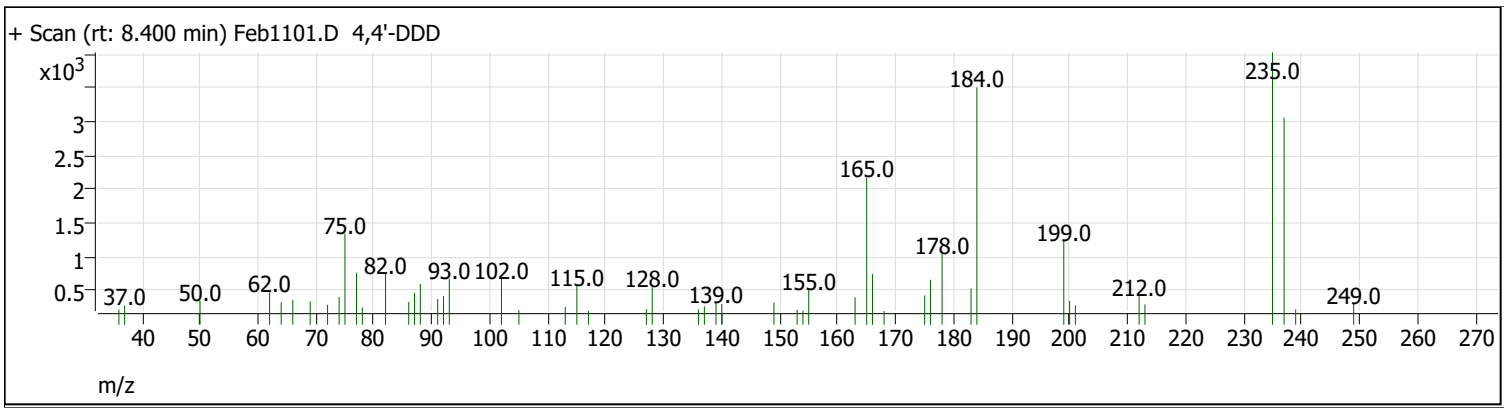


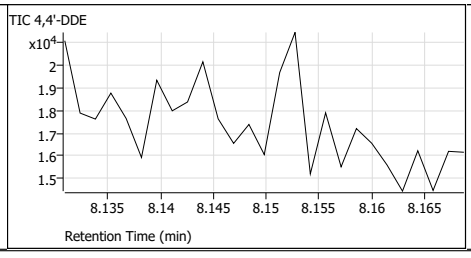


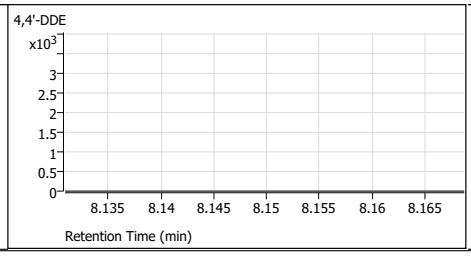




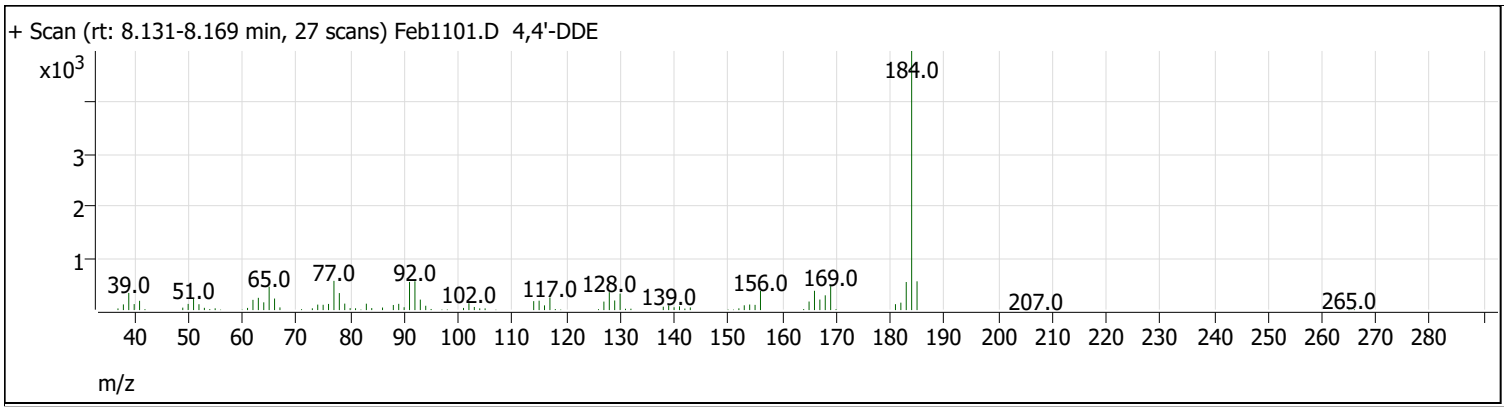






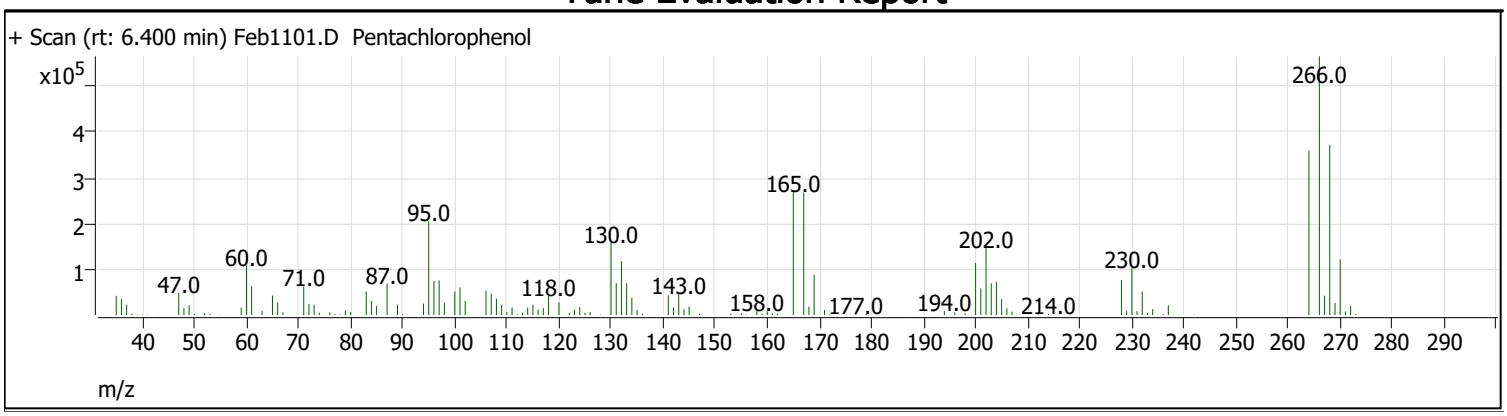


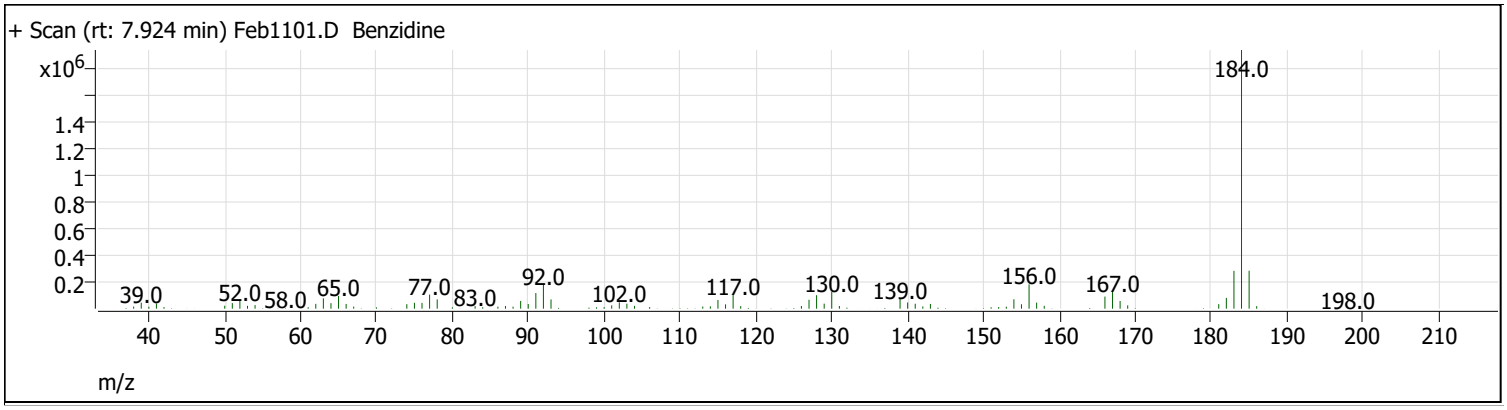
Tune Evaluation Report



Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	8.750	8.697	10188689	0.3	Pass
4,4'-DDD	8.450	8.400	28134		
4,4'-DDE	8.150	0.000	0		

Tune Evaluation Report

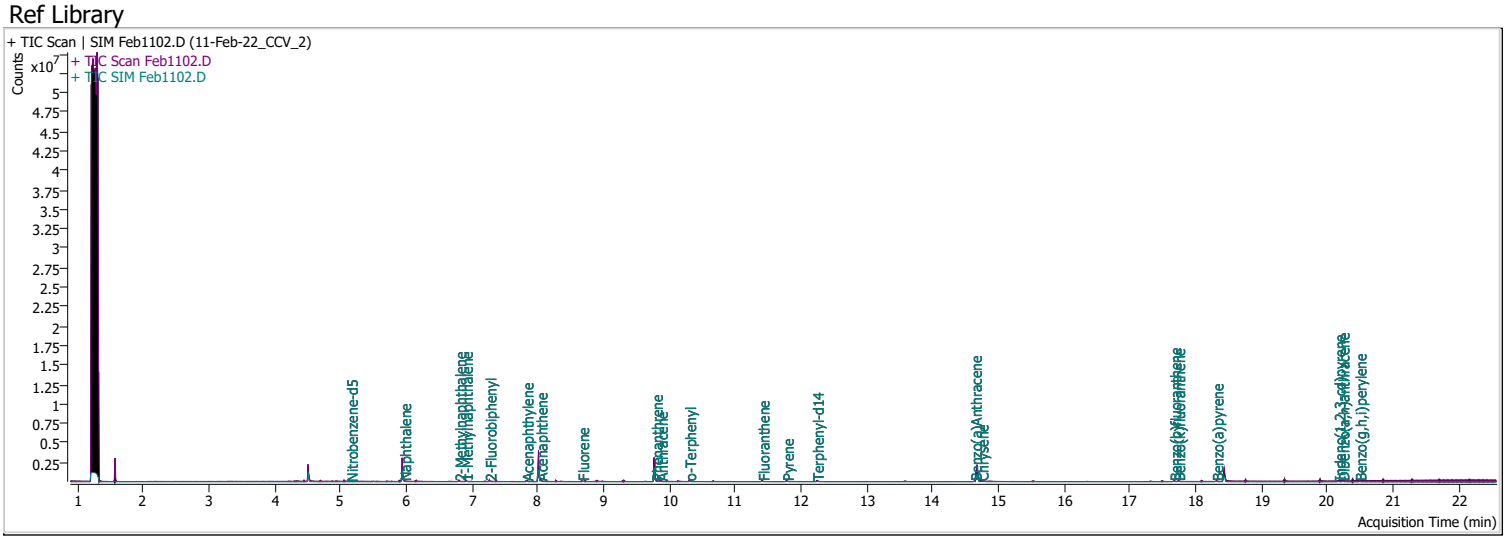




Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	6.800	6.400	0.3	3.3	Pass
Benzidine	8.400	7.924	0.2	2.1	Pass

Quantitation Results Report (QT Reviewed)

Data File	Feb1102.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 3:17:33 PM
Sample Name	11-Feb-22_CCV_2	Instrument	GCMS
Vial	2	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			

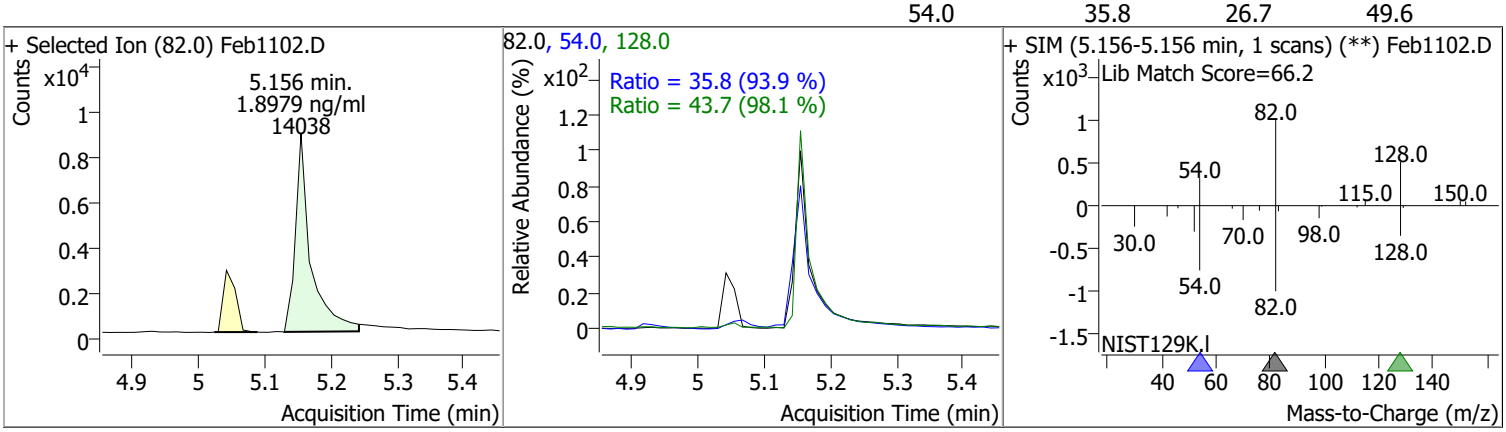


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	371030	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1354621	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.013	164.0	882464	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1686375	40.0000	ng/ml	m	0.000
M Chrysene-d12	14.677	240.0	1338238	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	896121	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.156	82.0	14038	1.8979	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 37.96%			
S 2-Fluorobiphenyl	7.265	172.0	60820	2.1897	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 43.79%			
S o-Terphenyl	10.299	230.0	52091	2.0904	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 41.81%			
S Terphenyl-d14	12.238	244.0	58944	2.0903	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 41.81%			
Target Compounds							**QValue**
T Naphthalene	5.966	128.0	67943	1.8564	ng/ml		88
T 2-Methylnaphthalene	6.803	141.0	39911	1.8039	ng/ml		97
T 1-Methylnaphthalene	6.902	141.0	45351	1.9192	ng/ml		94
T Acenaphthylene	7.826	152.0	68709	2.0311	ng/ml		97
T Acenaphthene	8.038	154.0	47453	1.9259	ng/ml		97
T Fluorene	8.674	166.0	59034	2.0394	ng/ml		88
T Phenanthrene	9.793	178.0	84632	1.9212	ng/ml		100
T Anthracene	9.867	178.0	69346	1.9870	ng/ml	m	100
T Fluoranthene	11.411	202.0	81953	1.9822	ng/ml		99
T Pyrene	11.781	202.0	89838	1.9978	ng/ml		99
T Benzo(a)Anthracene	14.639	228.0	69684	2.1972	ng/ml		98
T Chrysene	14.739	228.0	88013	2.0249	ng/ml	m	96
T Benzo(b)fluoranthene	17.672	252.0	61361	1.9951	ng/ml		97

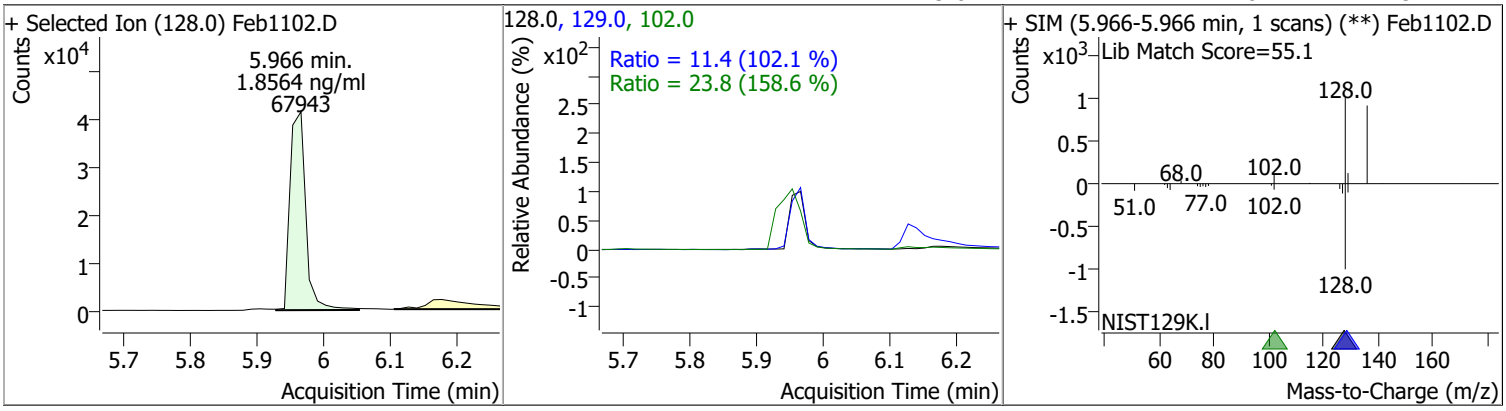
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	17.733	252.0	68634	1.9327	ng/ml	m	99
T Benzo(a)pyrene	18.314	252.0	53228	1.9735	ng/ml		97
T Indeno(1,2,3-cd)pyrene	20.167	276.0	46788	1.9511	ng/ml		99
T Dibenzo(a,h)anthracene	20.229	278.0	55439	2.0286	ng/ml		98
T Benzo(g,h,i)perylene	20.489	276.0	67028	2.0325	ng/ml		95

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

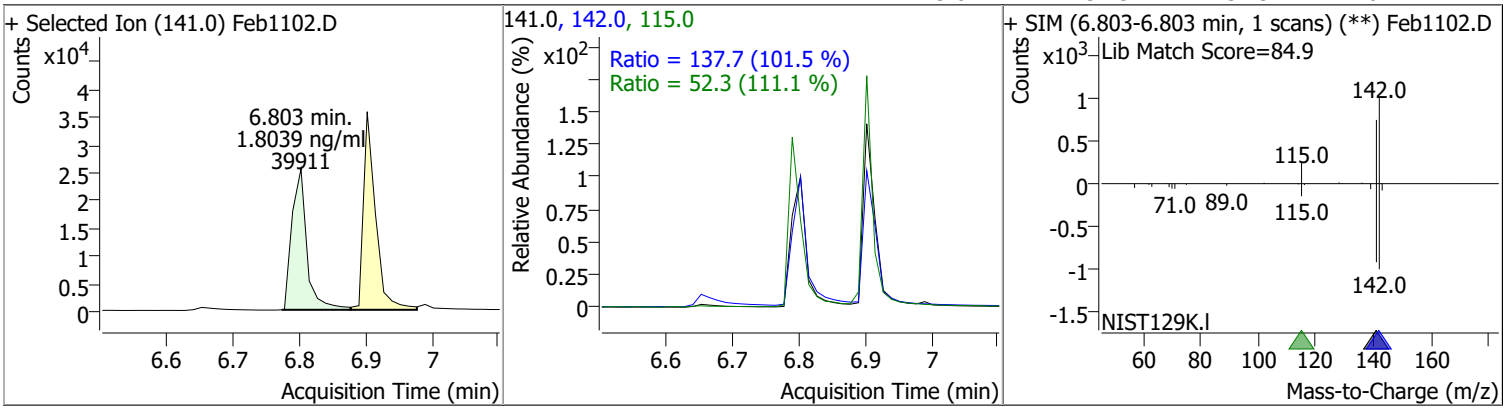
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	1.8979	5.16	0.00	14038	128.0	43.7	31.2	57.9
					54.0	35.8	26.7	49.6



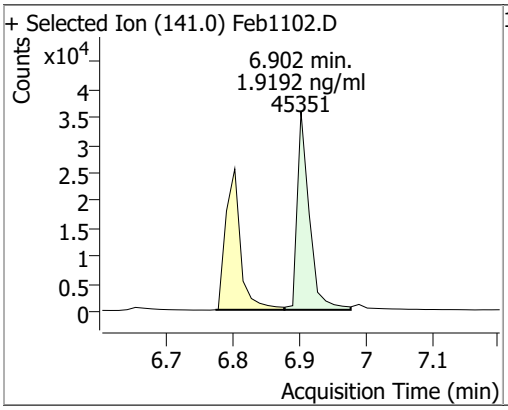
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	1.8564	5.97	0.00	67943	102.0	23.8	0.0	45.0
					129.0	11.4	7.8	14.5

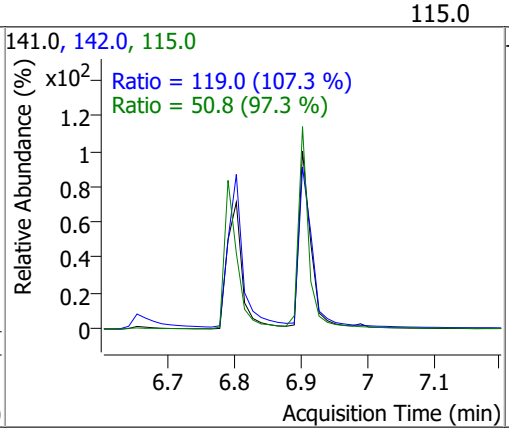


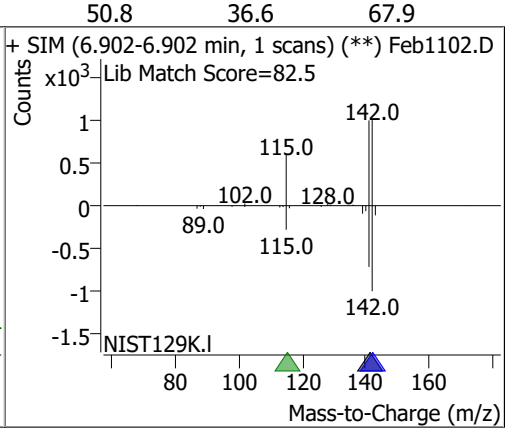
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	1.8039	6.80	0.00	39911	142.0	137.7	95.0	176.4
					115.0	52.3	32.9	61.2



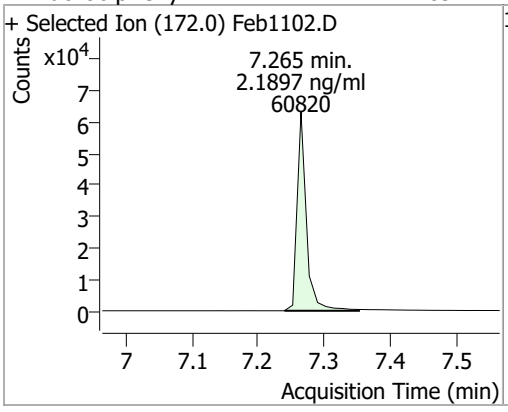
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	1.9192	6.90	0.00	45351	142.0	119.0	77.7	144.2
					115.0	50.8	36.6	67.9

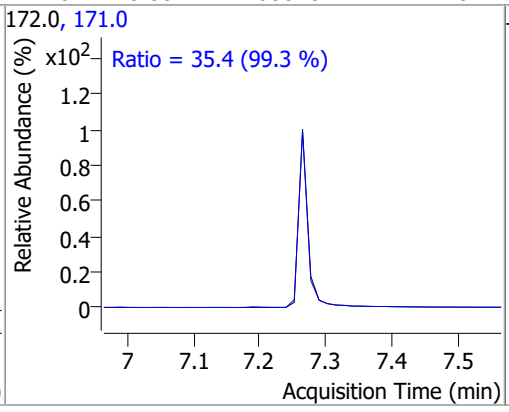


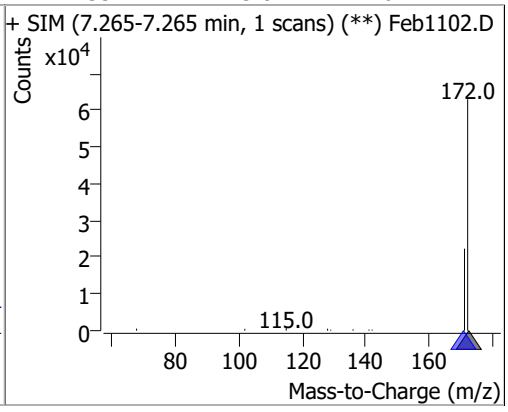




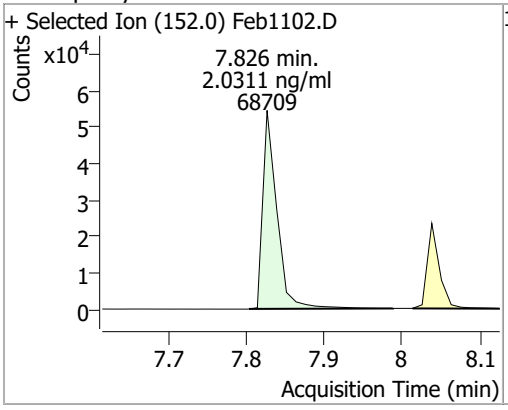
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	2.1897	7.26	0.00	60820	171.0	35.4	25.0	46.4

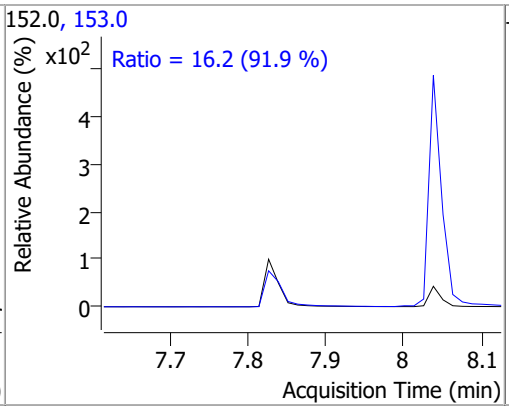


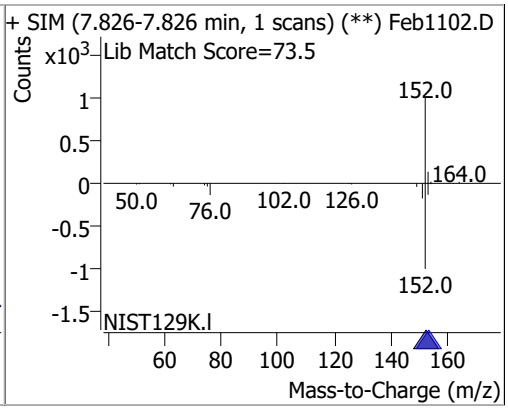




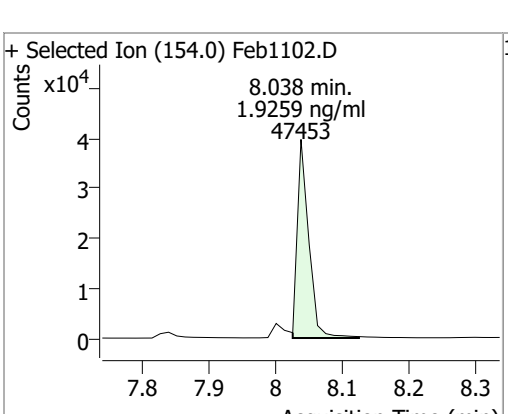
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	2.0311	7.83	0.00	68709	153.0	16.2	12.3	22.9

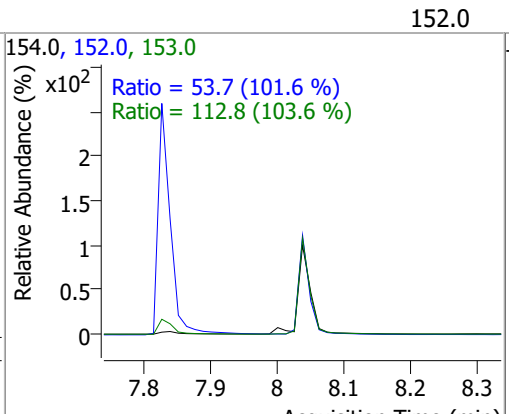


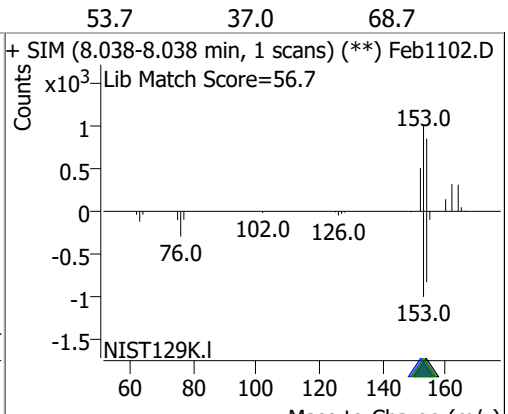




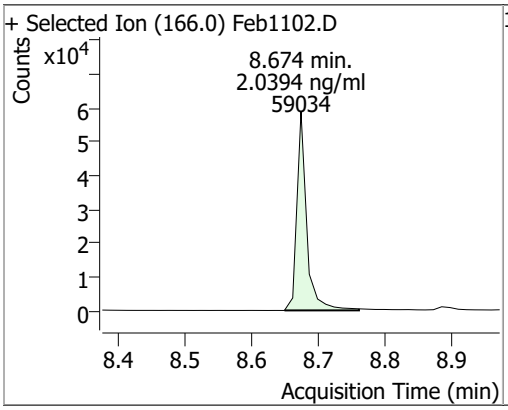
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	1.9259	8.04	0.00	47453	153.0	112.8	76.2	141.5
					152.0	53.7	37.0	68.7

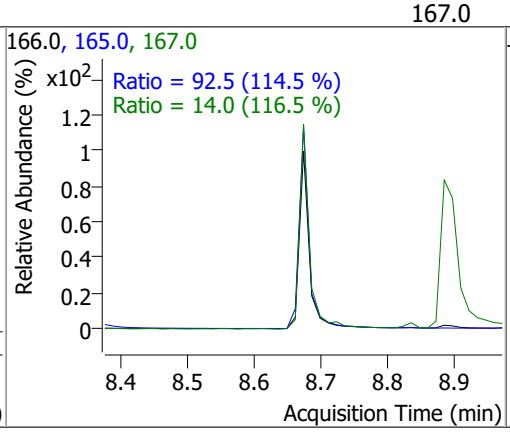


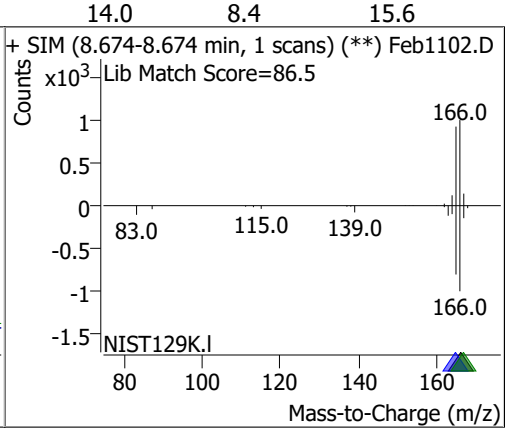




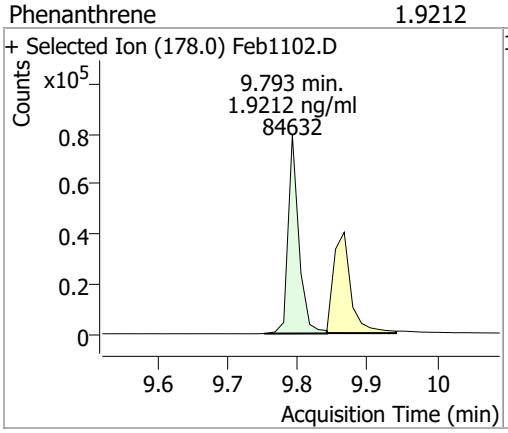
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	2.0394	8.67	0.00	59034	165.0	92.5	56.5	104.9
					167.0	14.0	8.4	15.6

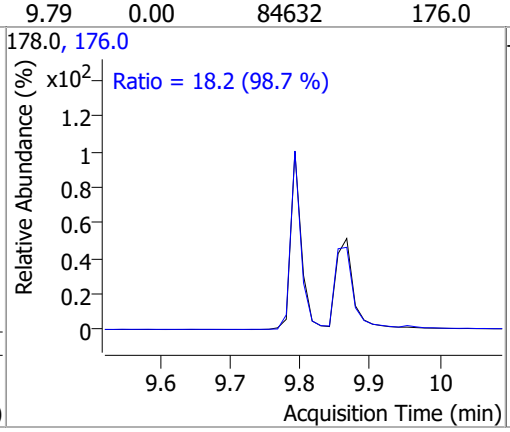


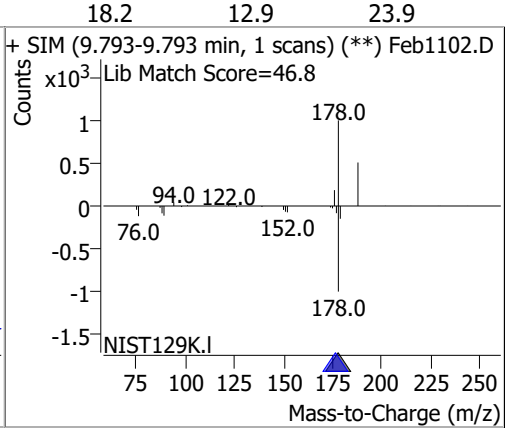




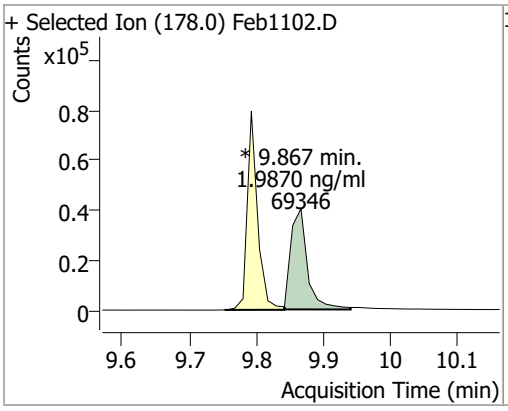
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	1.9212	9.79	0.00	84632	176.0	18.2	12.9	23.9

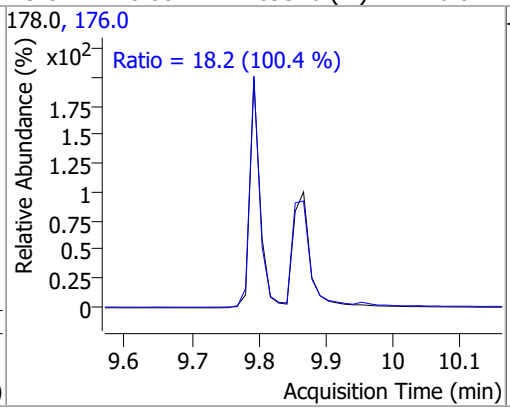


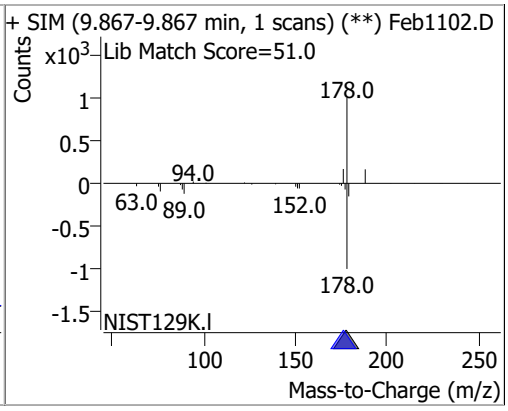




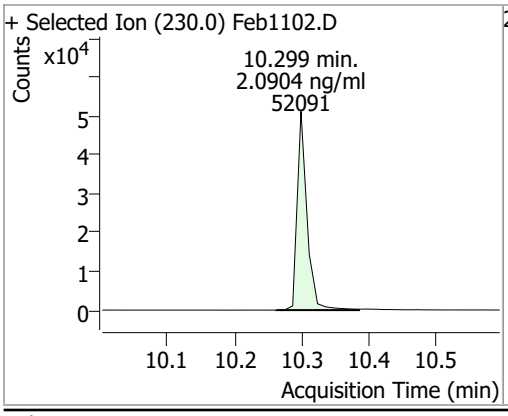
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	1.9870	9.87	0.00	69346 (m)	176.0	18.2	12.7	23.6

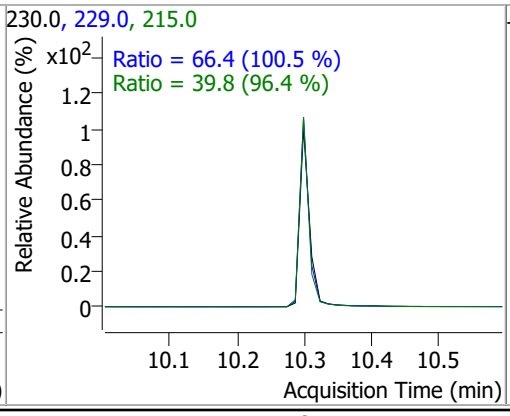


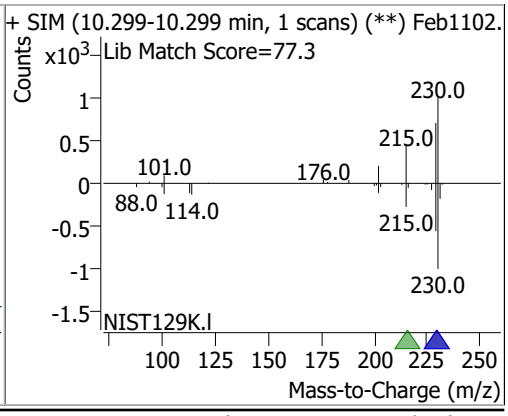




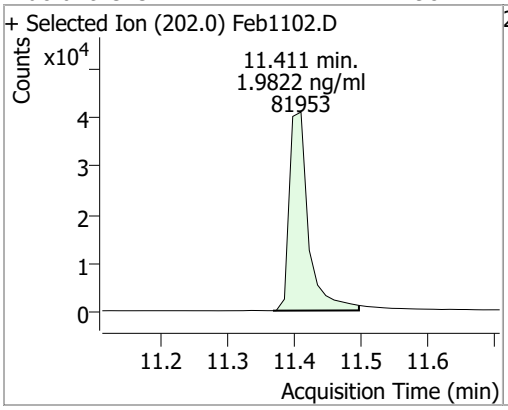
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	2.0904	10.30	0.00	52091	229.0	66.4	46.3	85.9
					215.0	39.8	28.9	53.6

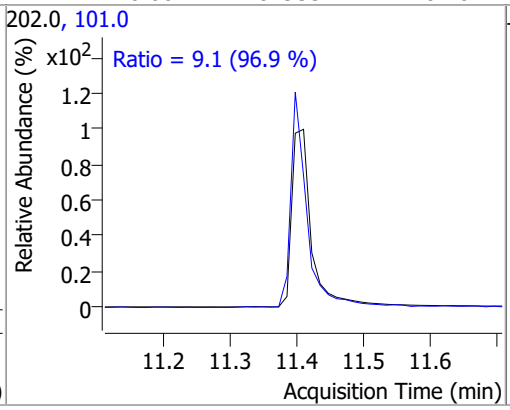


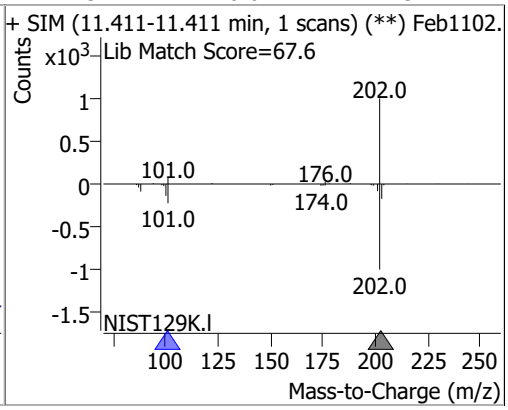




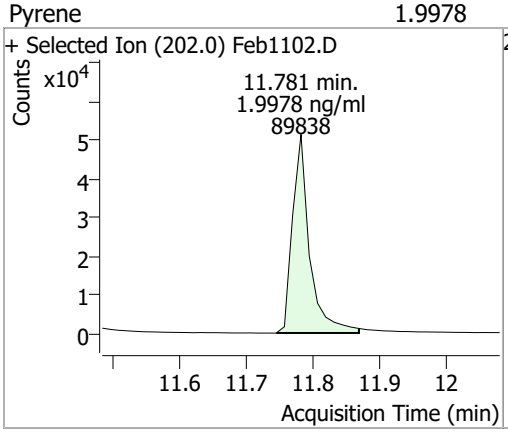
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	1.9822	11.41	0.00	81953	101.0	9.1	6.6	12.3

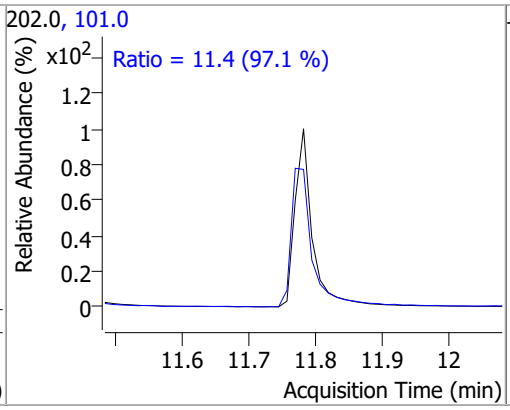


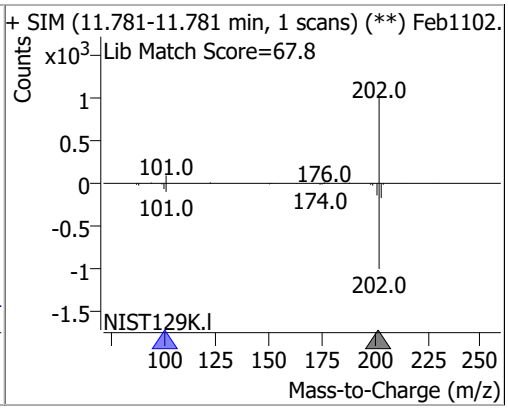




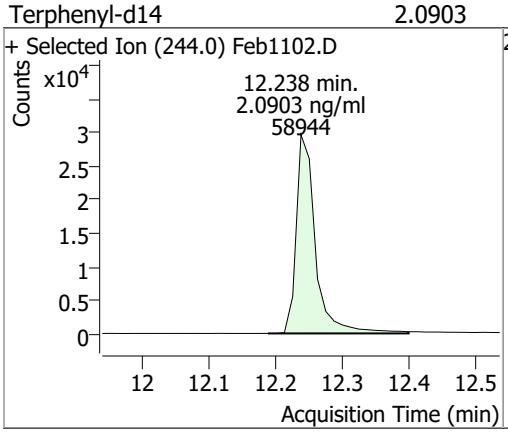
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	1.9978	11.78	0.00	89838	101.0	11.4	8.2	15.2

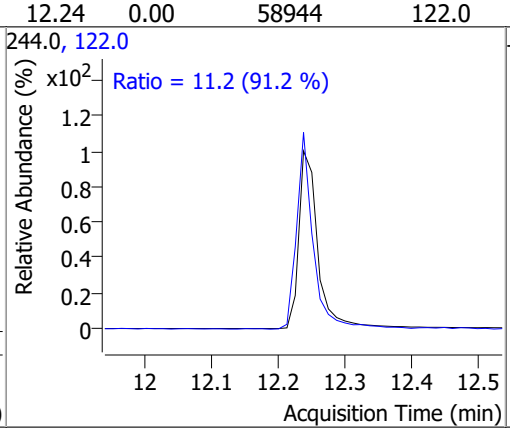


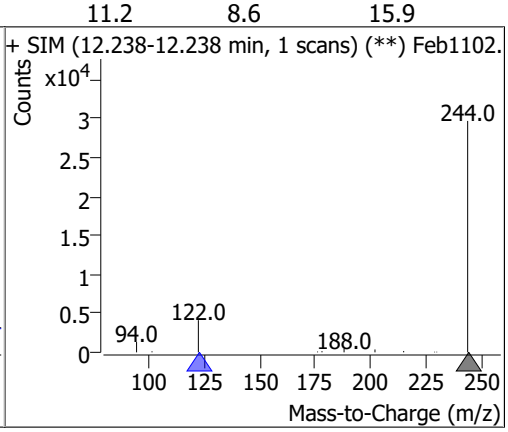




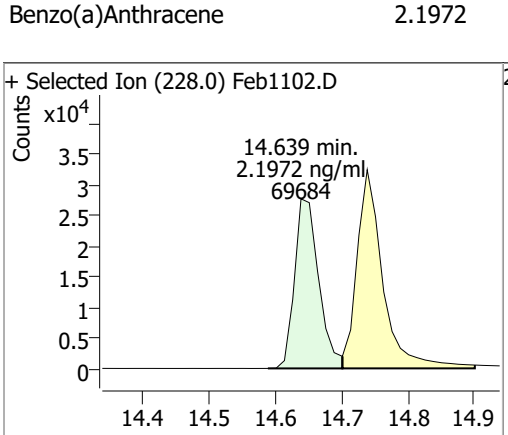
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	2.0903	12.24	0.00	58944	122.0	11.2	8.6	15.9

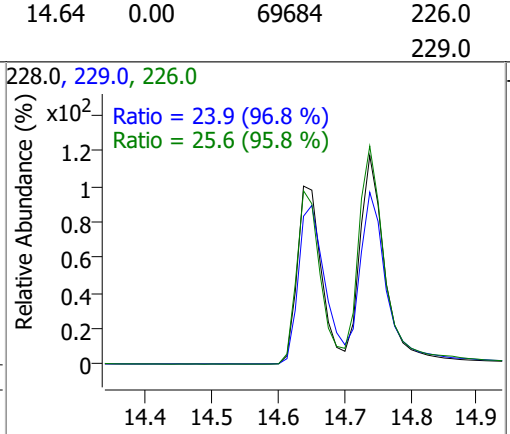


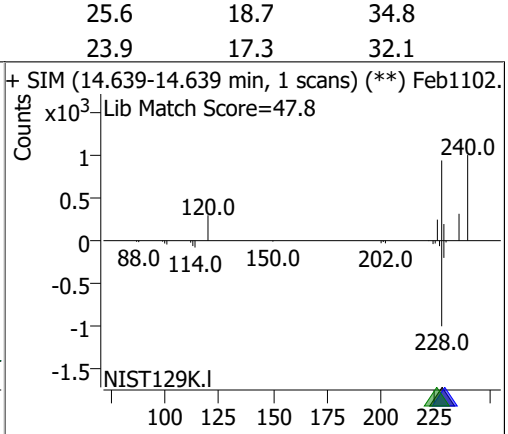




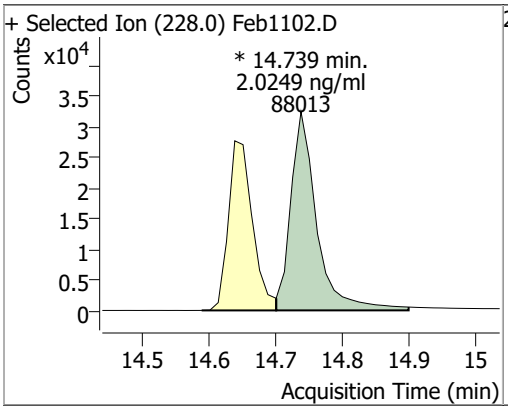
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	2.1972	14.64	0.00	69684	226.0	25.6	18.7	34.8
					229.0	23.9	17.3	32.1

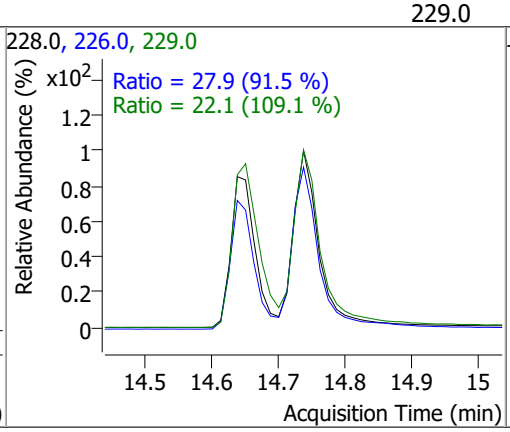


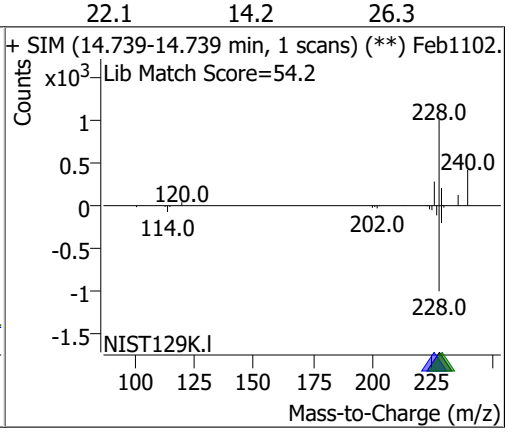




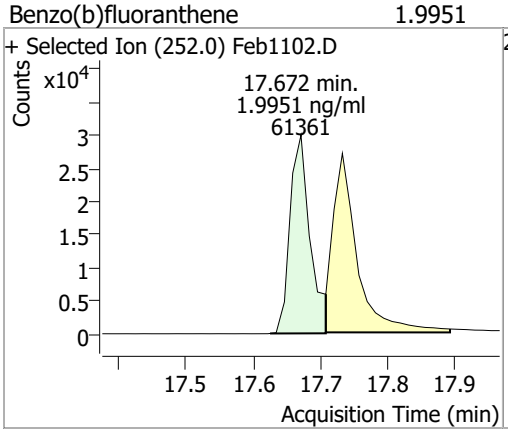
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	2.0249	14.74	0.00	88013 (m)	226.0	27.9	21.4	39.7
					229.0	22.1	14.2	26.3

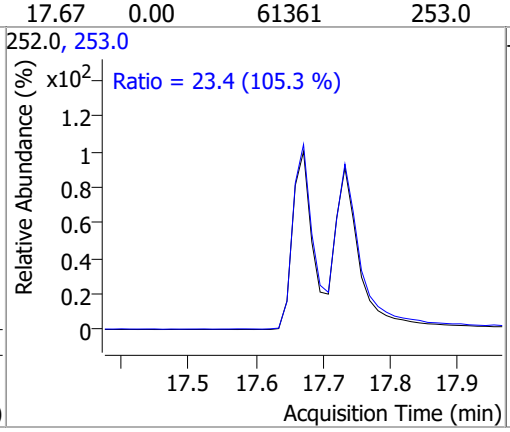


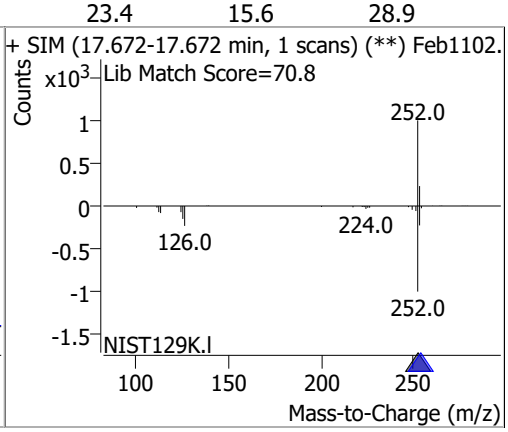




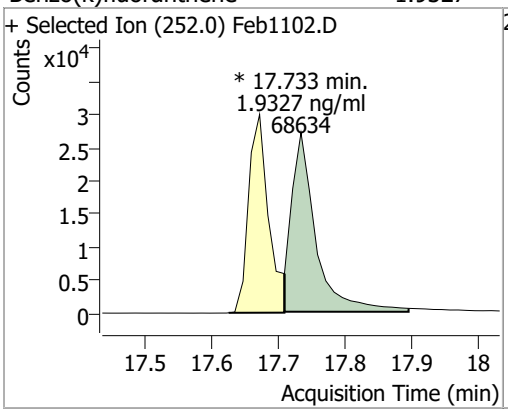
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	1.9951	17.67	0.00	61361	253.0	23.4	15.6	28.9

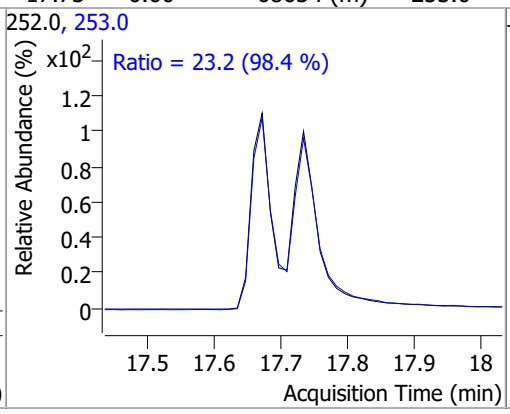


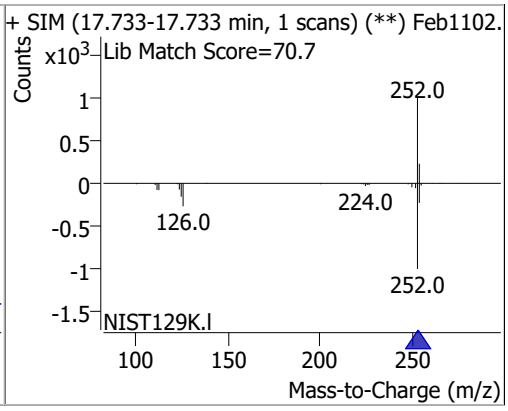




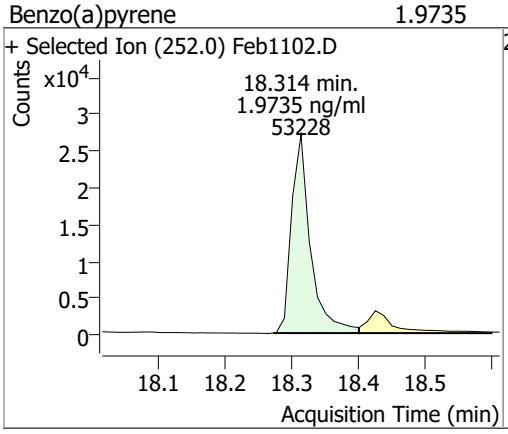
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	1.9327	17.73	0.00	68634 (m)	253.0	23.2	16.5	30.6

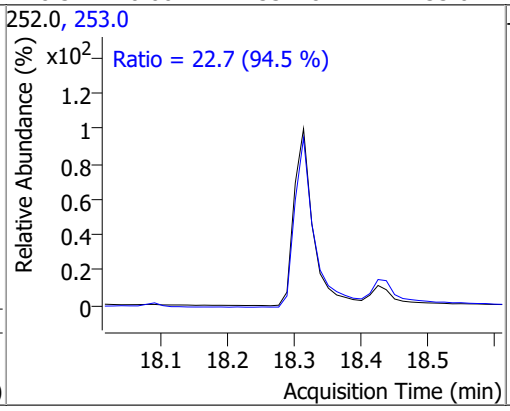


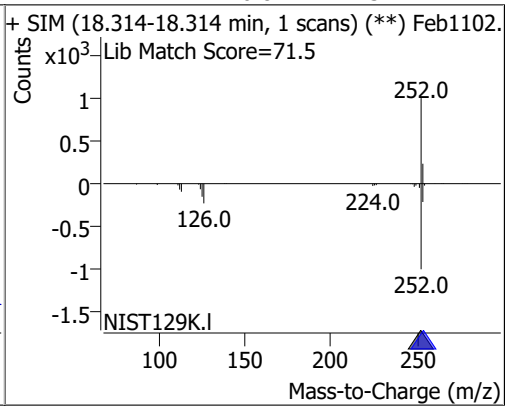




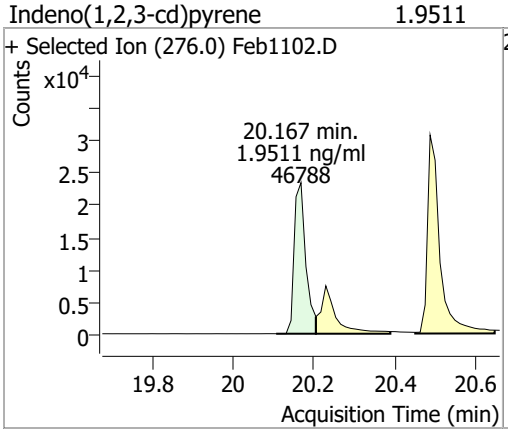
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	1.9735	18.31	0.00	53228	253.0	22.7	16.8	31.2

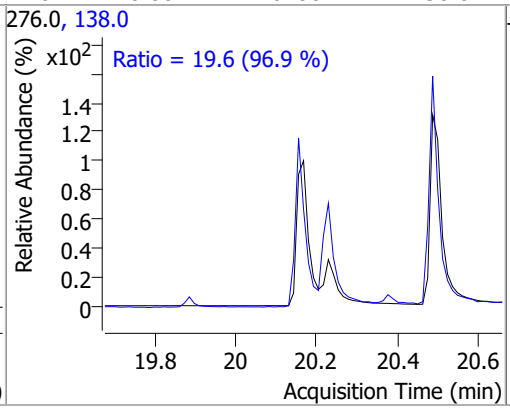


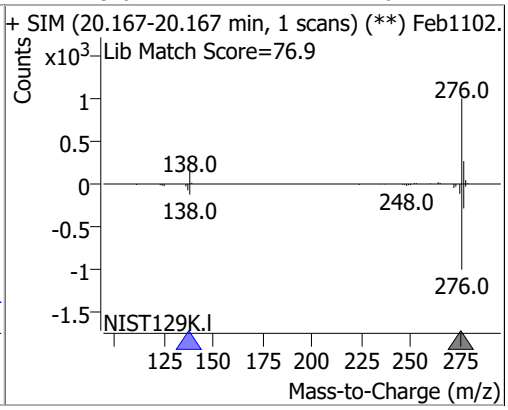




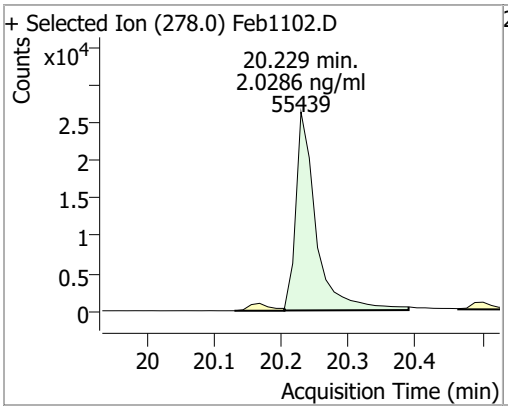
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	1.9511	20.17	0.00	46788	138.0	19.6	14.1	26.2

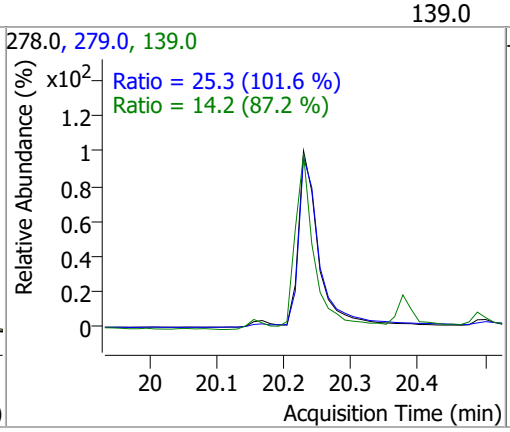


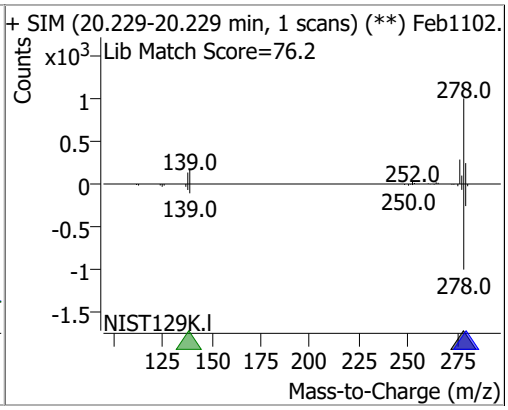




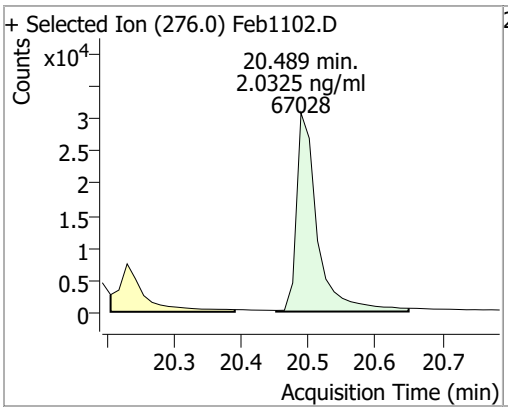
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	2.0286	20.23	0.00	55439	279.0	25.3	17.4	32.4
					139.0	14.2	11.4	21.1

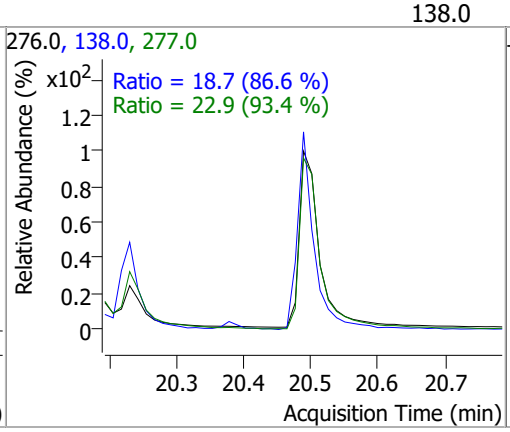


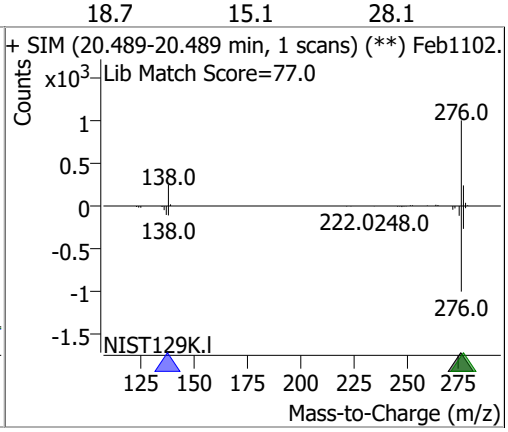




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	2.0325	20.49	0.00	67028	277.0	22.9	17.2	31.9
					138.0	18.7	15.1	28.1

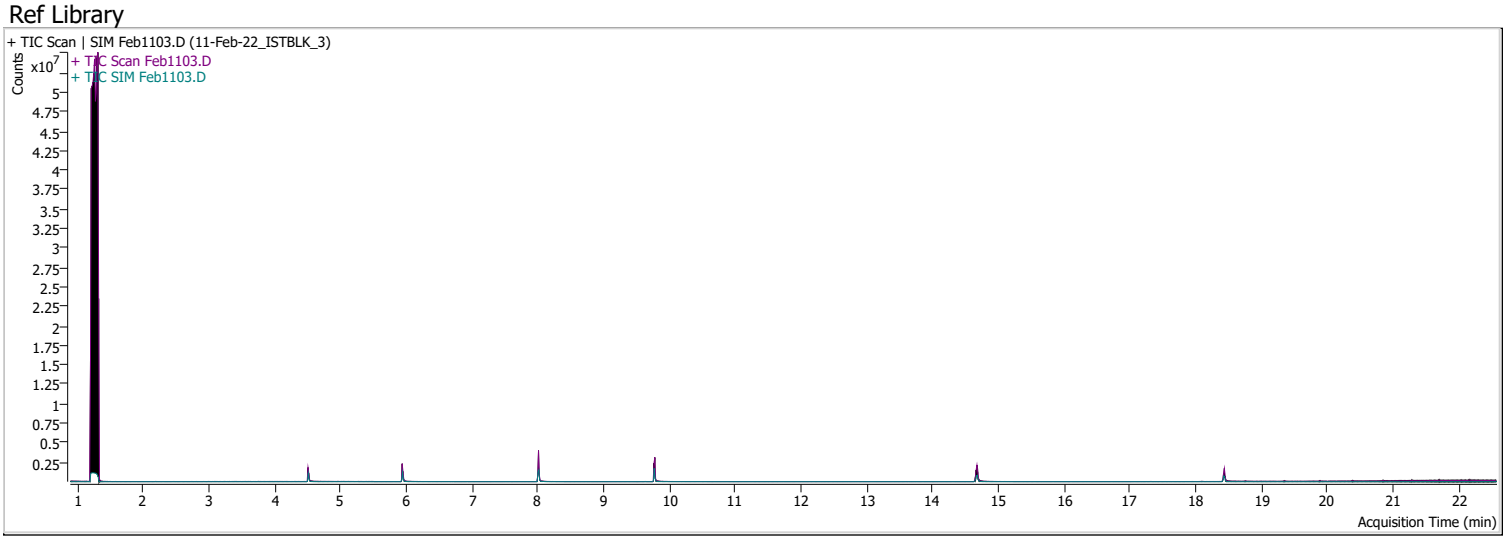






Quantitation Results Report (QT Reviewed)

Data File	Feb1103.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 3:51:27 PM
Sample Name	11-Feb-22_ISTBLK_3	Instrument	GCMS
Vial	3	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			

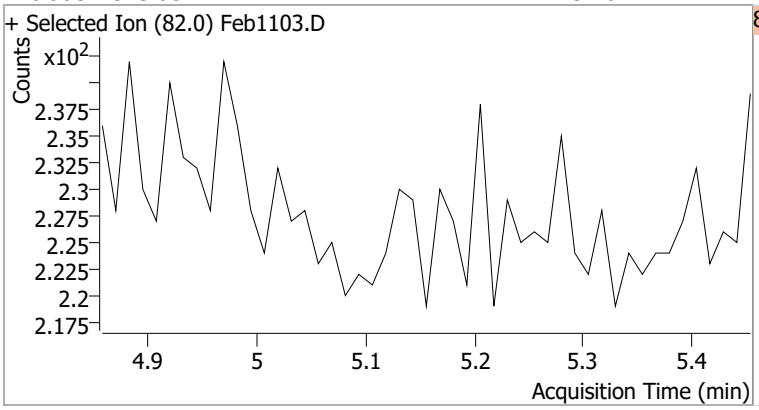


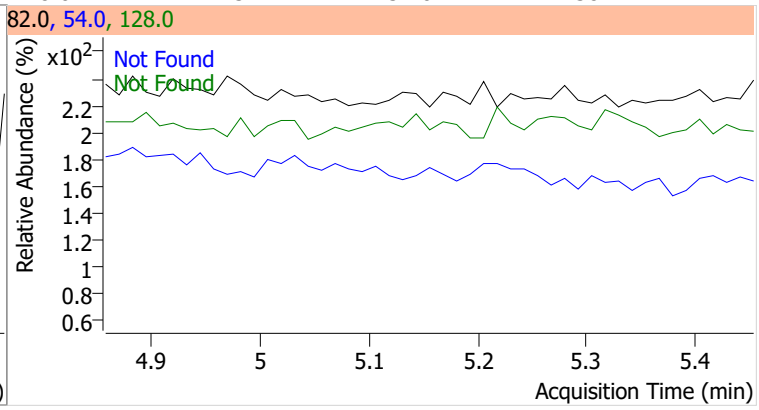
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	367636	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1261596	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.013	164.0	896168	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1637724	40.0000	ng/ml		0.000
M Chrysene-d12	14.676	240.0	1346566	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	898880	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = NA%			
S 2-Fluorobiphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = NA%			
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = NA%			
Target Compounds							QValue
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.000	154.0	0		ng/ml	md	1
T Fluorene	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.664	228.0	0		ng/ml	md	1
T Chrysene	14.664	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.326	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

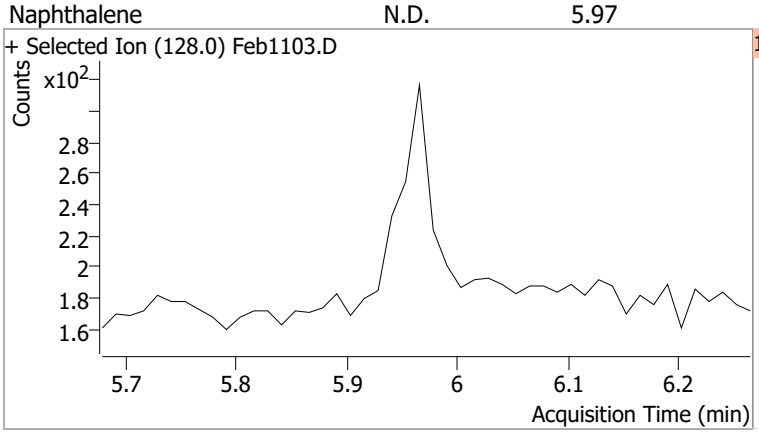
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

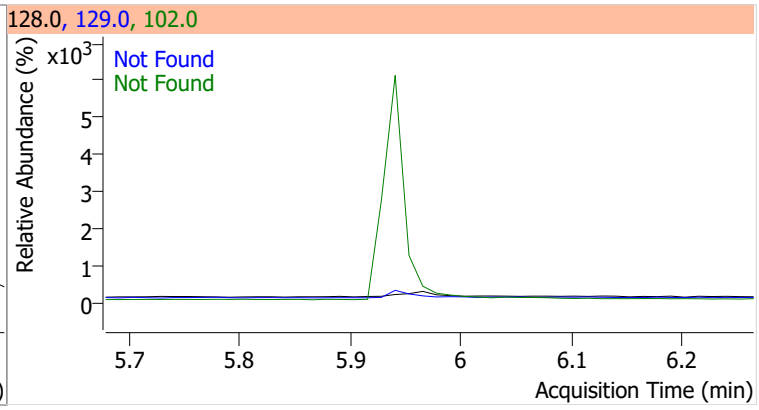
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene-d5	N.D.	5.16	128.0	44.5	54.0	38.2



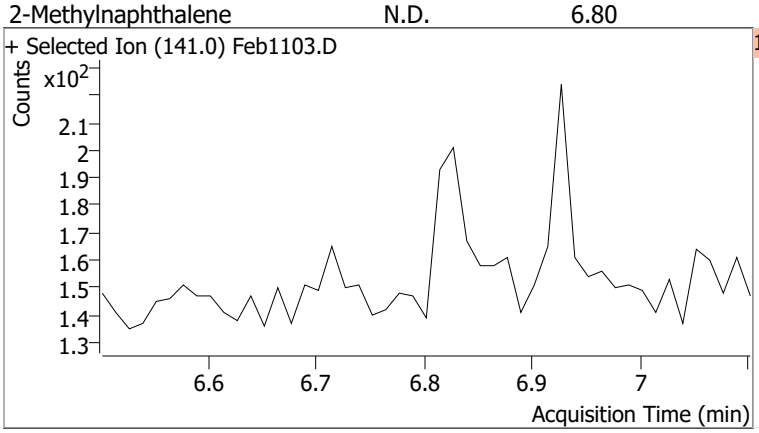


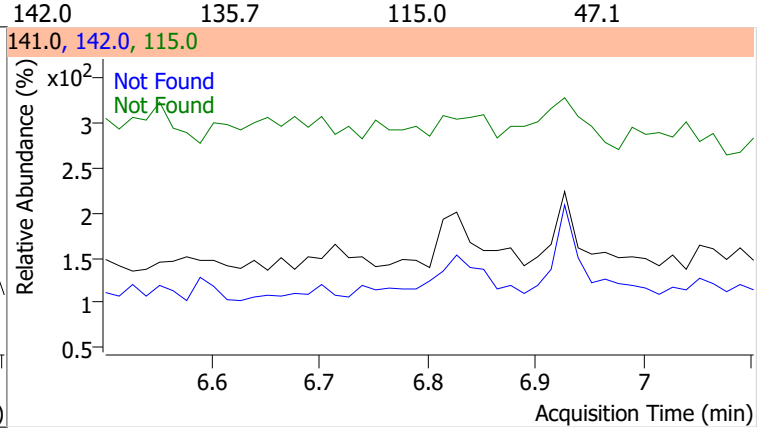
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.97	102.0	15.0	129.0	11.2



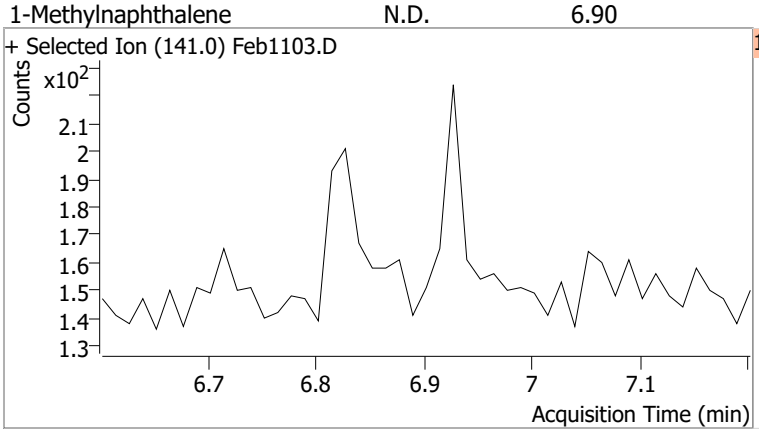


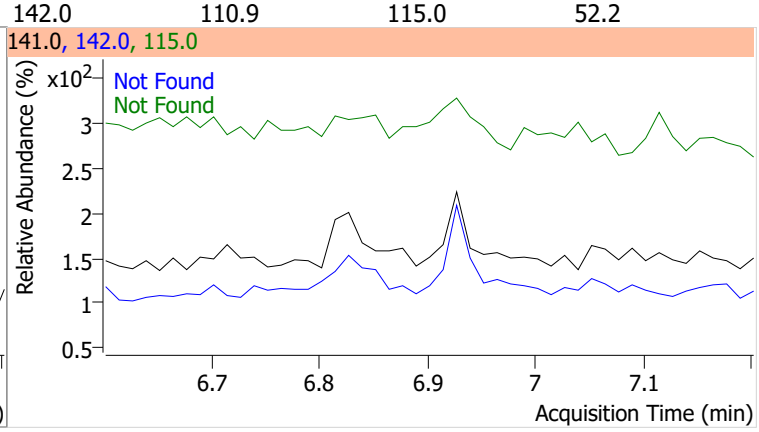
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.80	142.0	135.7	115.0	47.1



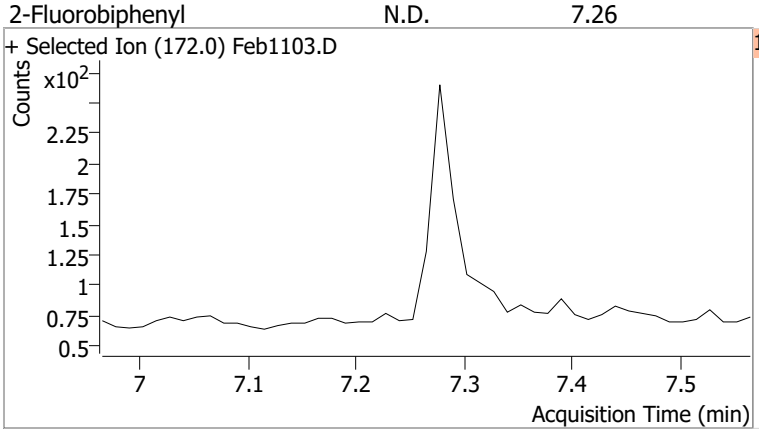


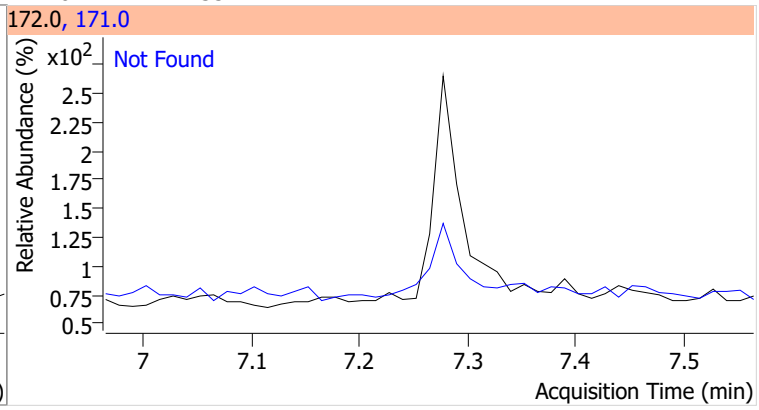
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	110.9	115.0	52.2



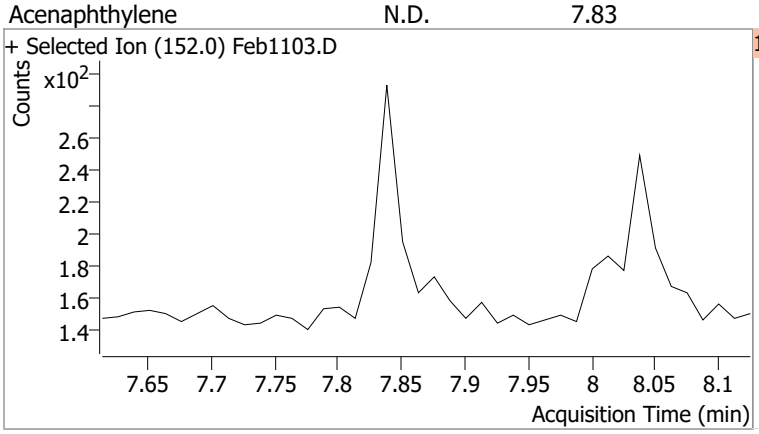


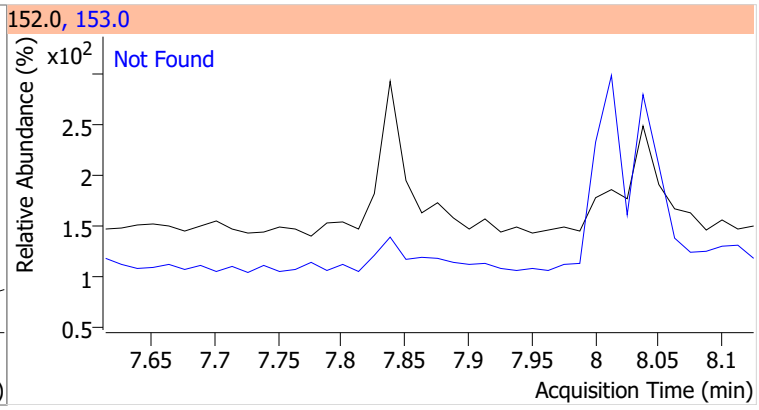
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Fluorobiphenyl	N.D.	7.26	171.0	35.7



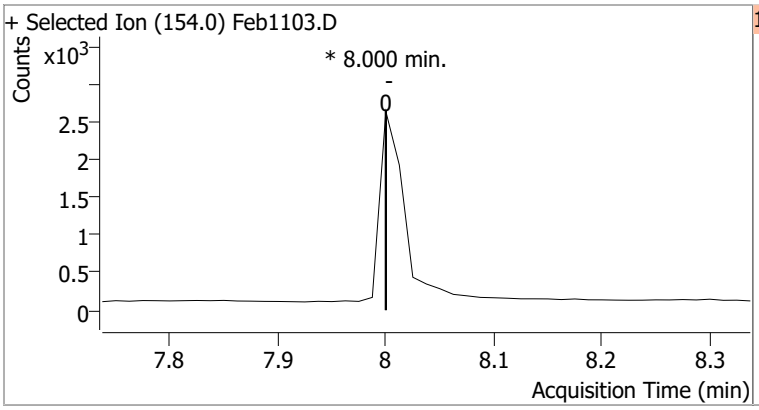


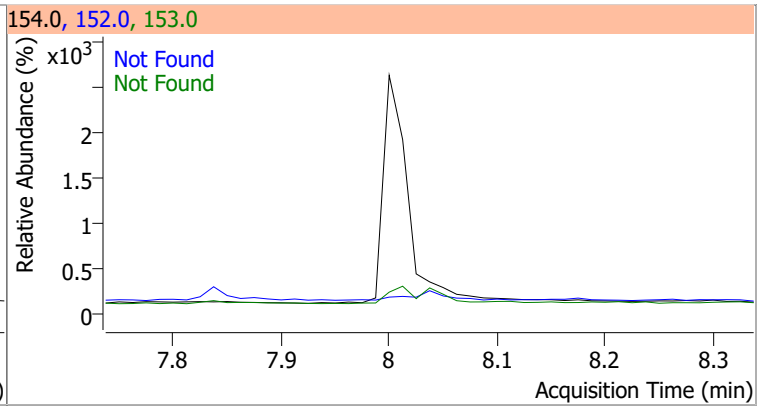
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	17.6



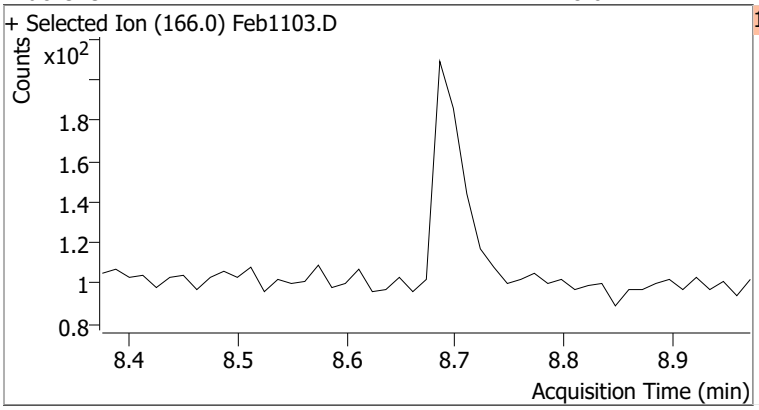


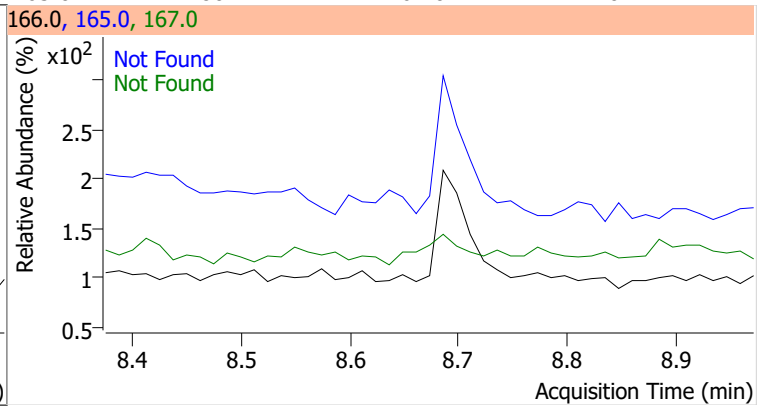
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



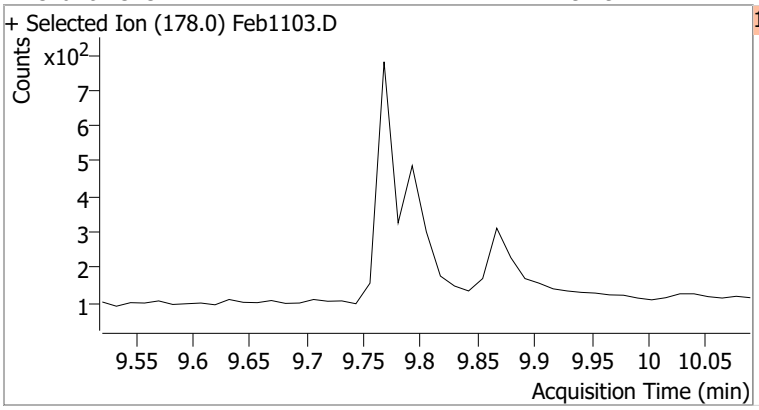


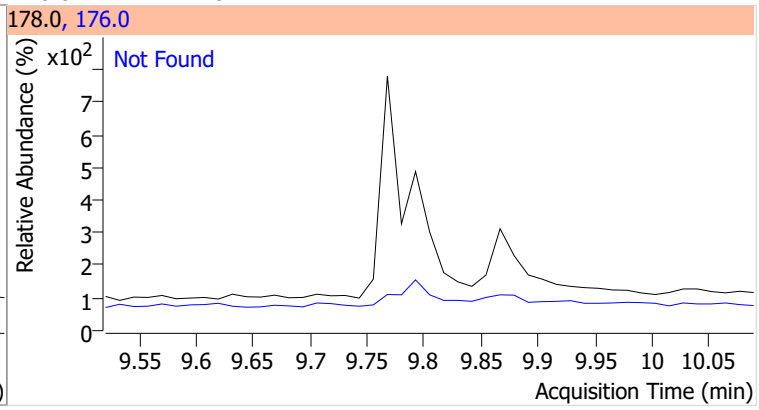
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	8.67	165.0	80.7	167.0	12.0



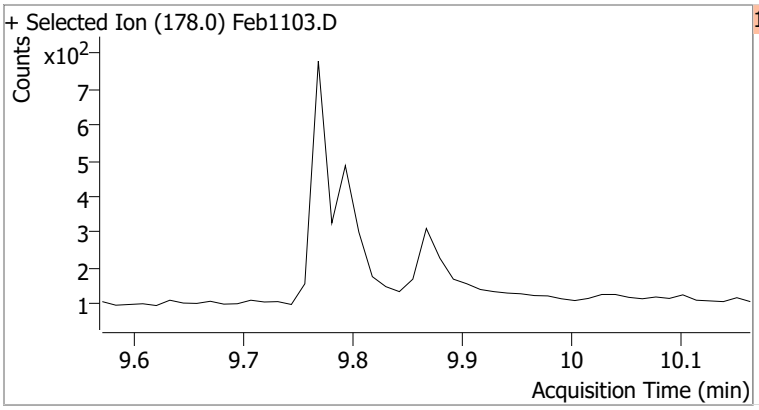


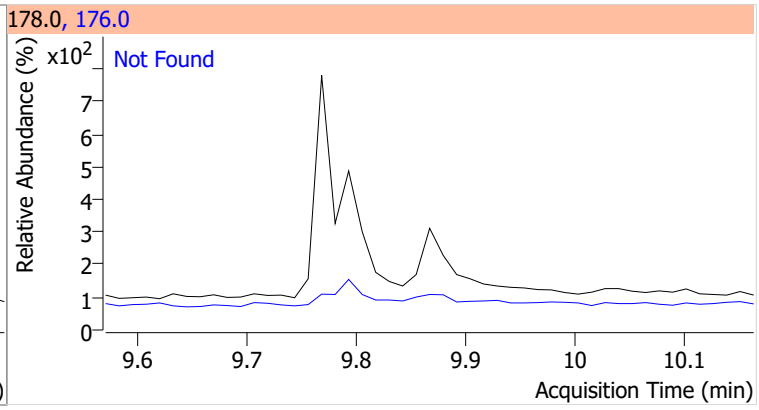
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.4



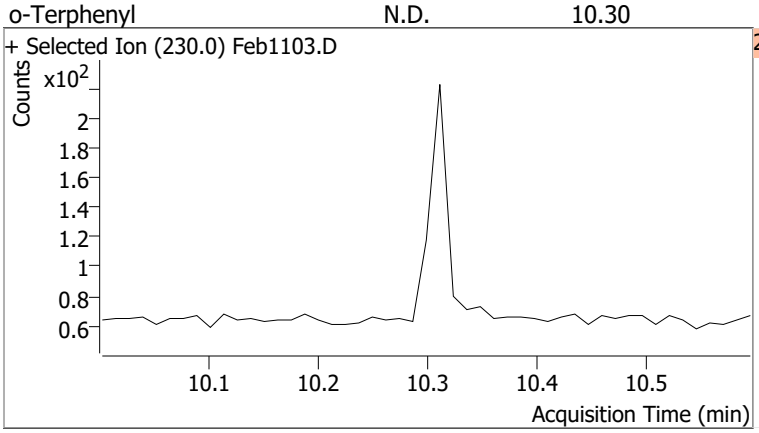


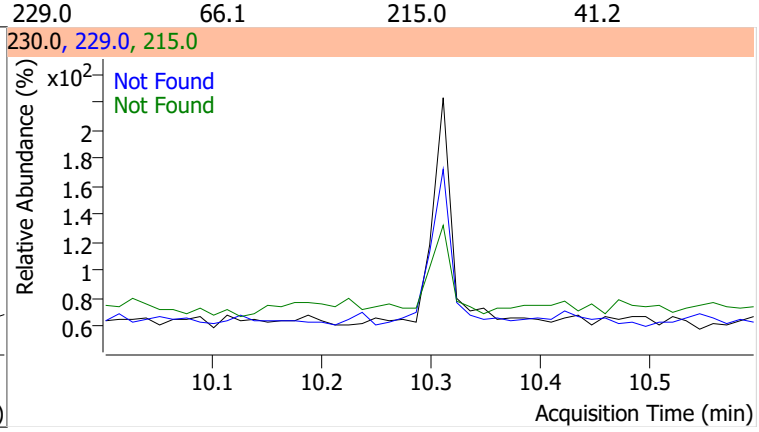
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.87	176.0	18.1



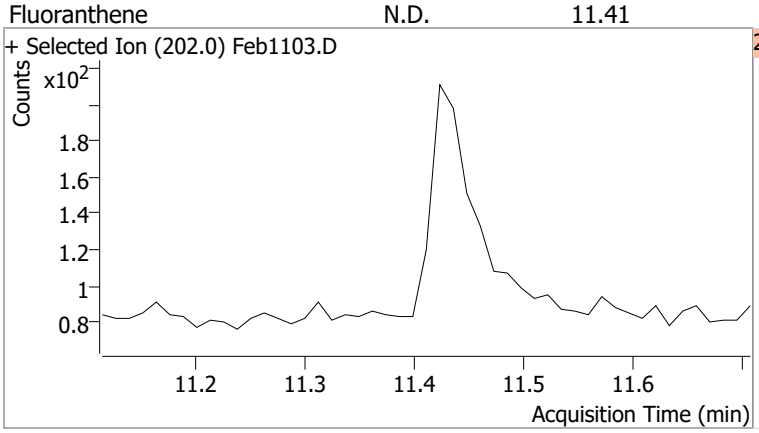


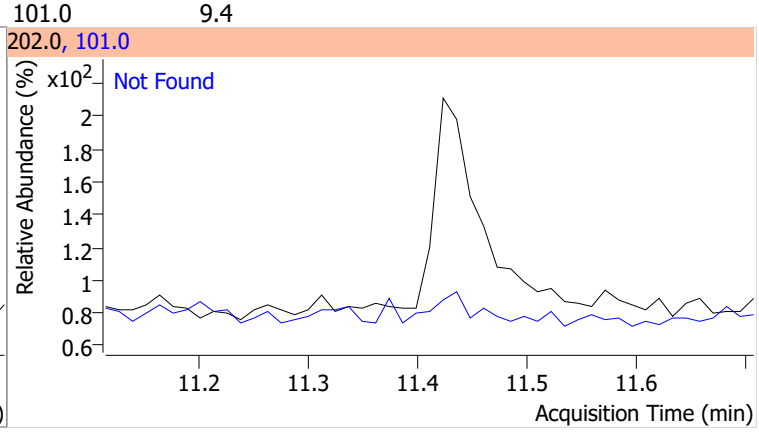
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.30	229.0	66.1	215.0	41.2



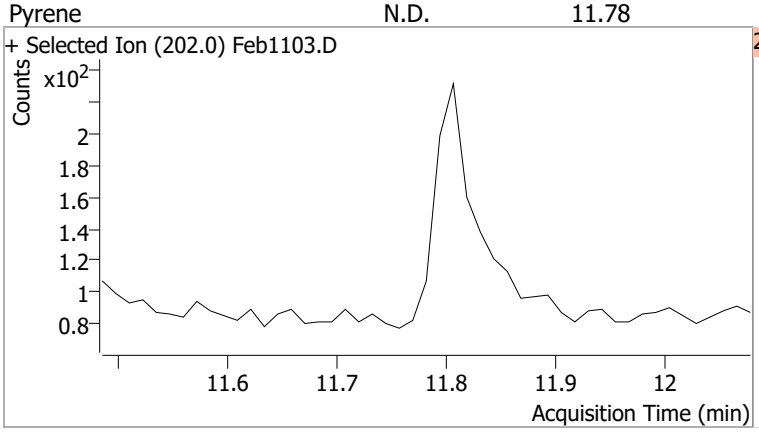


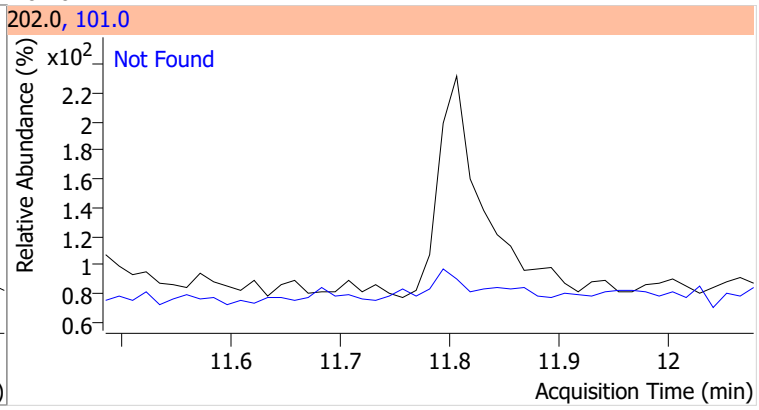
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.41	101.0	9.4



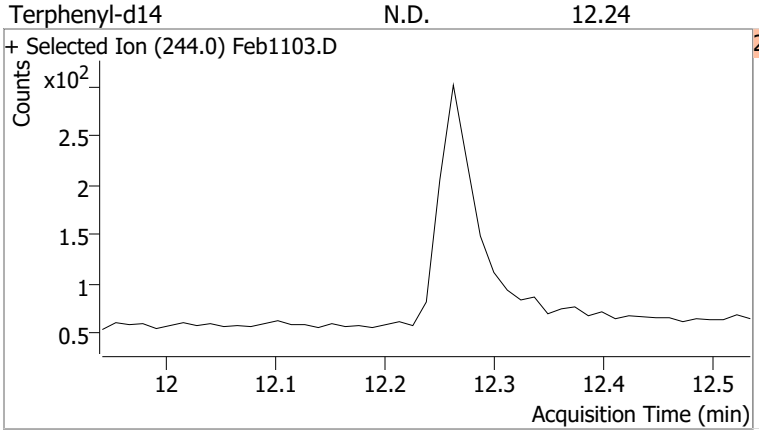


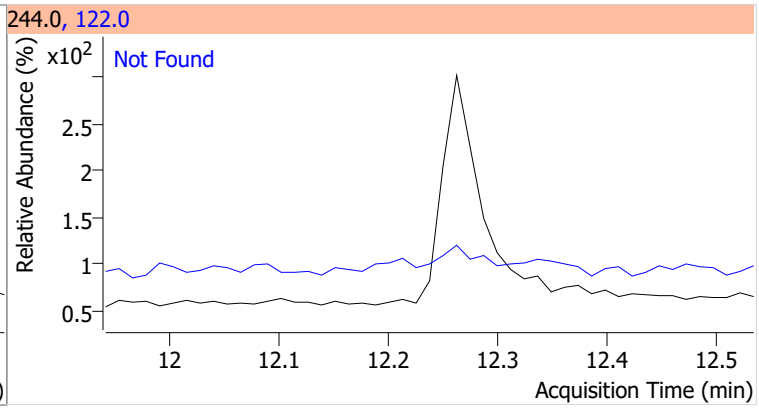
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.78	101.0	11.7



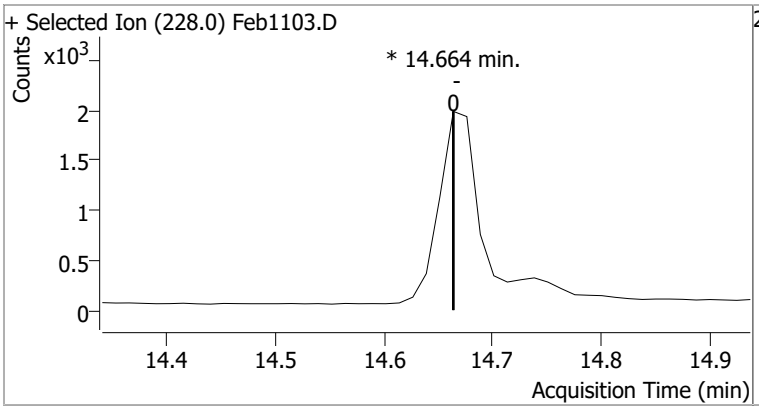


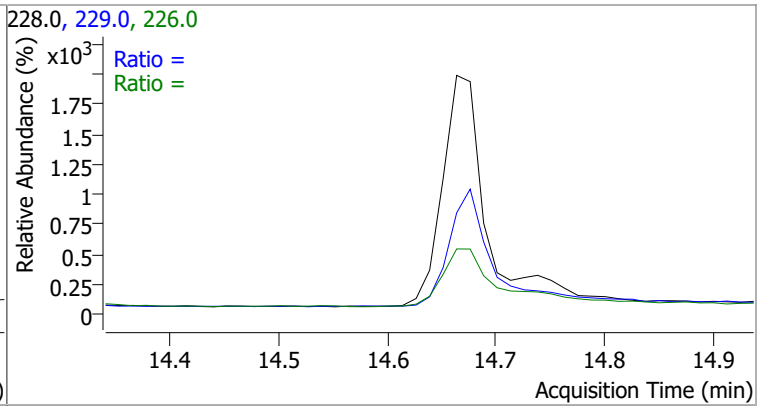
Compound	Conc.	Exp RT	QIon	Exp Ratio
Terphenyl-d14	N.D.	12.24	122.0	12.2



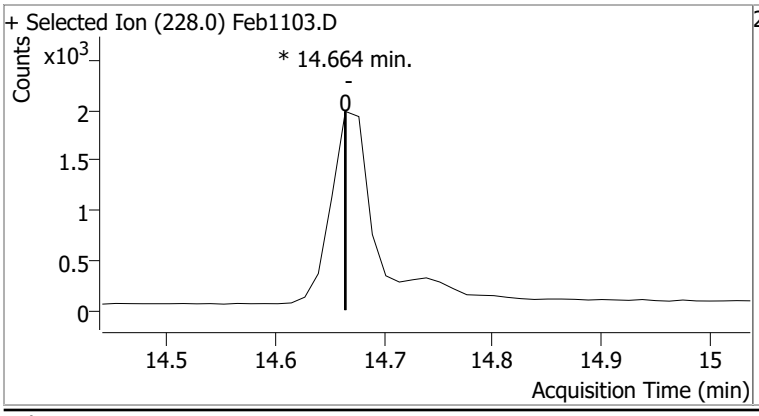


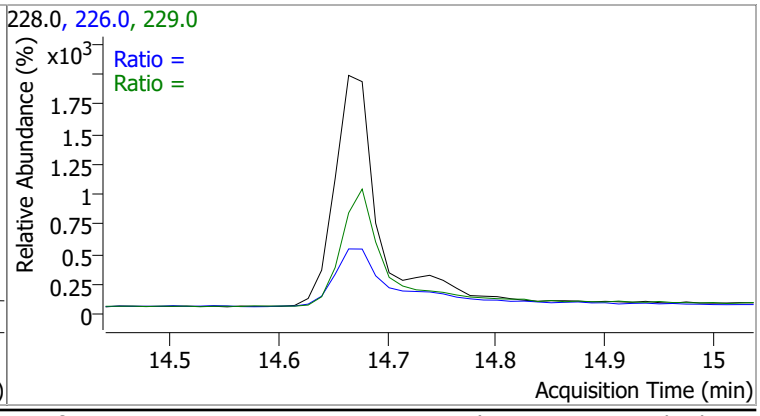
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



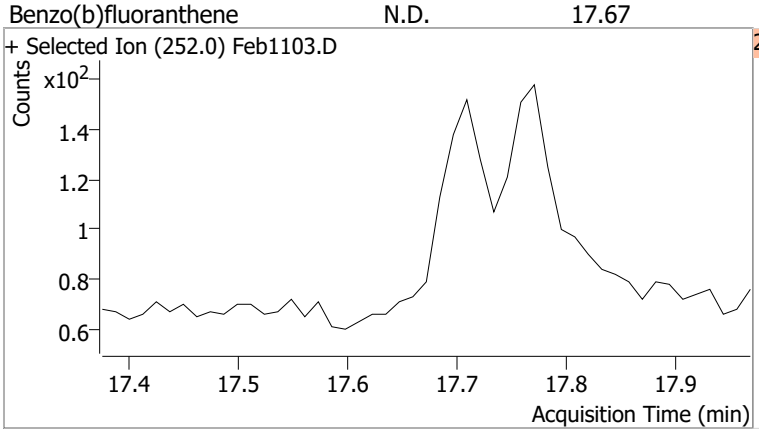


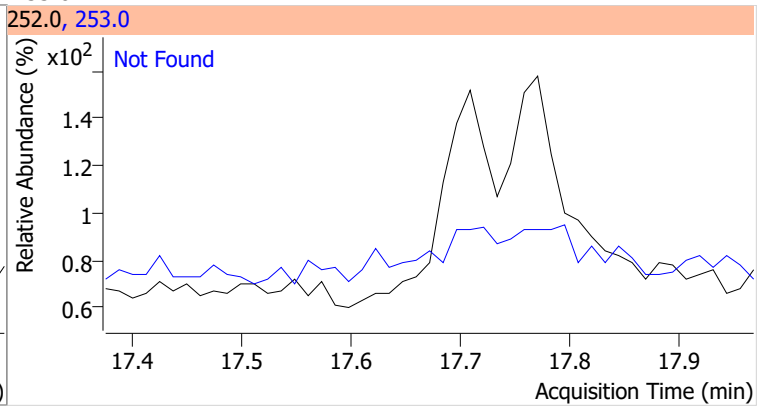
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



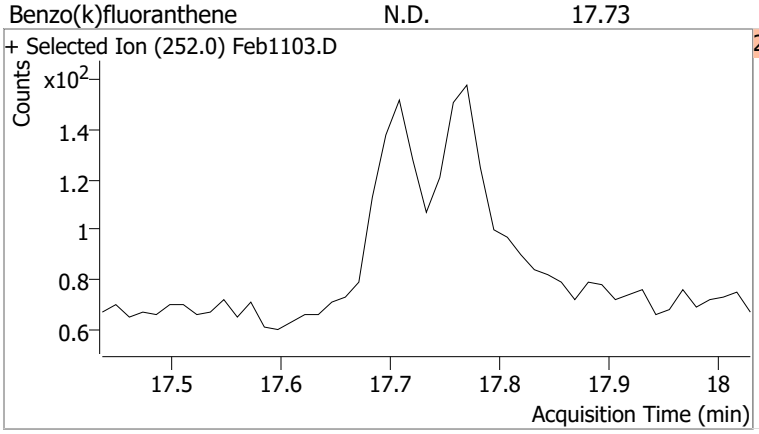


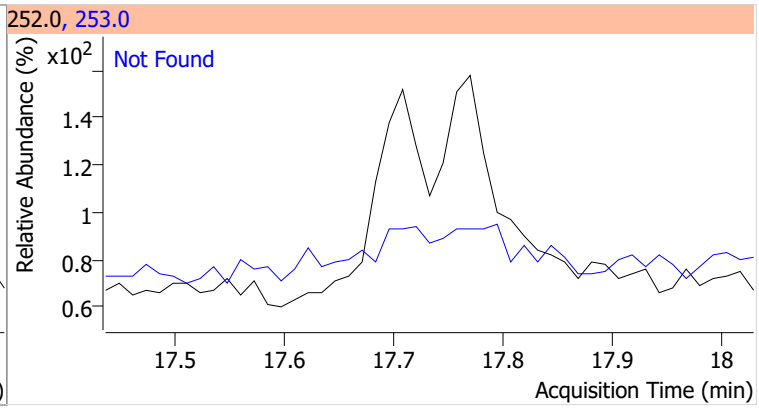
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.67	253.0	22.2



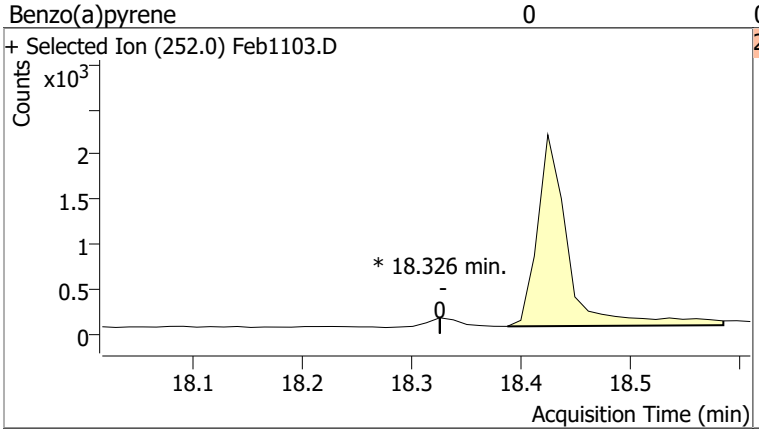


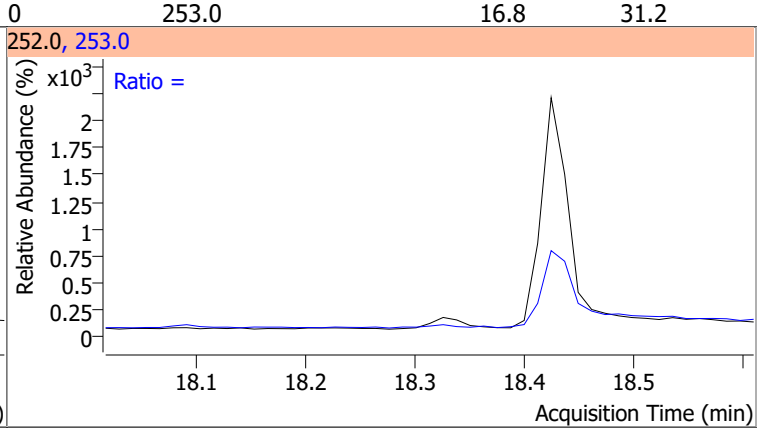
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.73	253.0	23.6



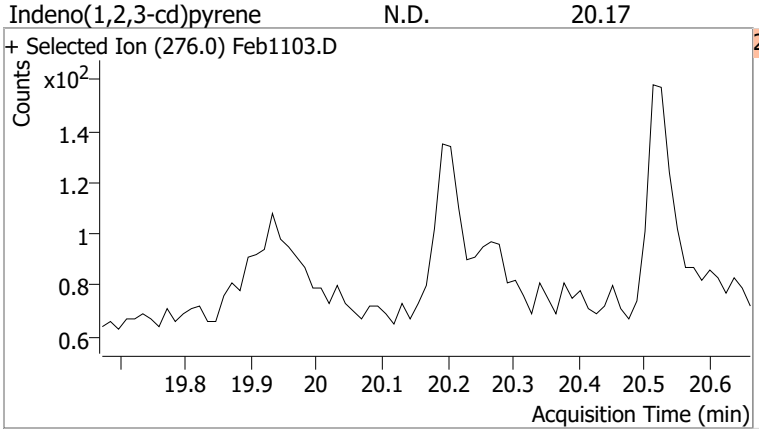


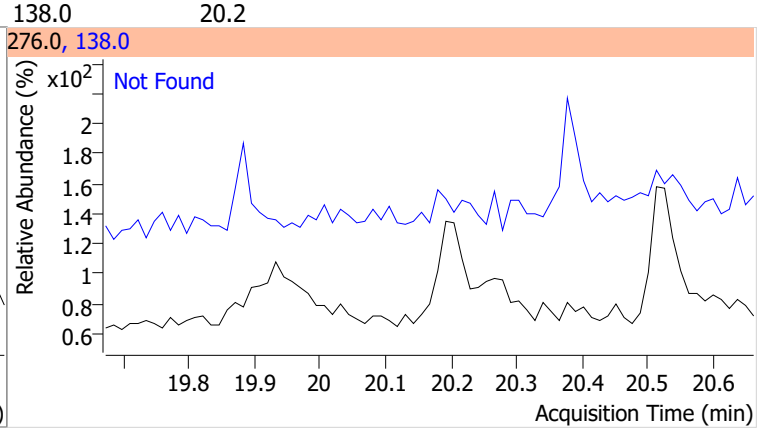
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



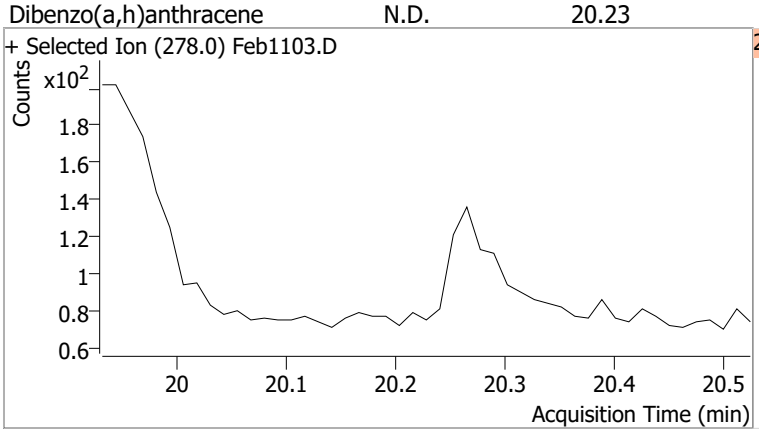


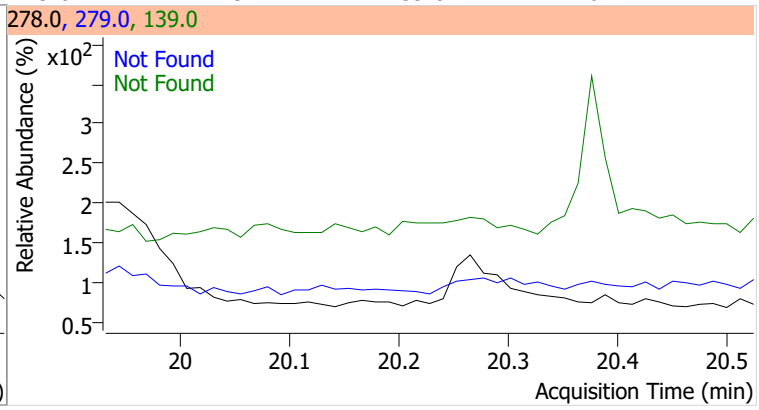
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.17	138.0	20.2



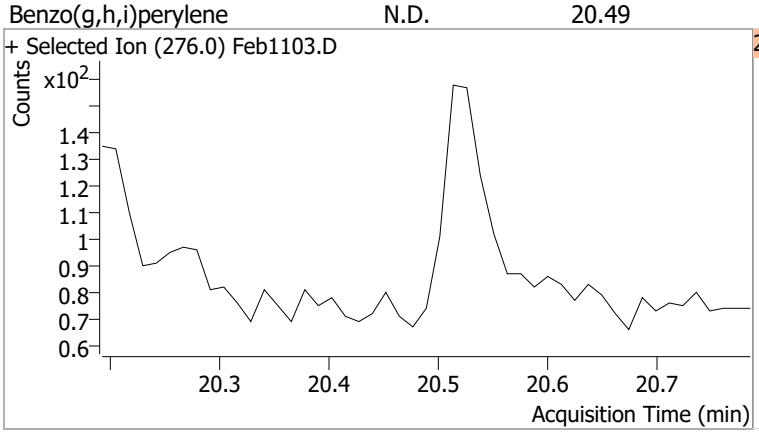


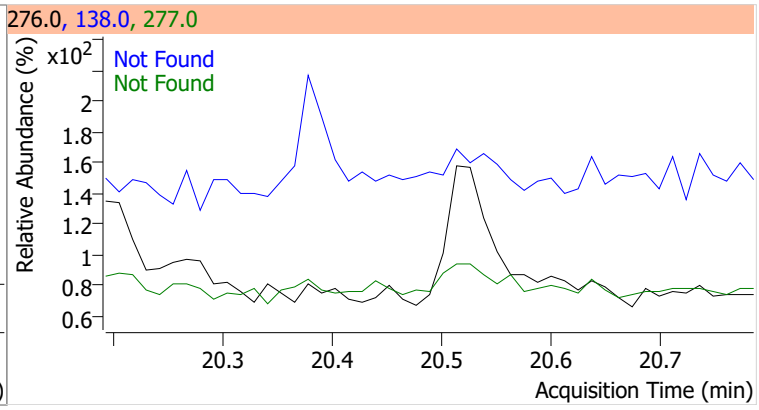
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.9	139.0	16.2





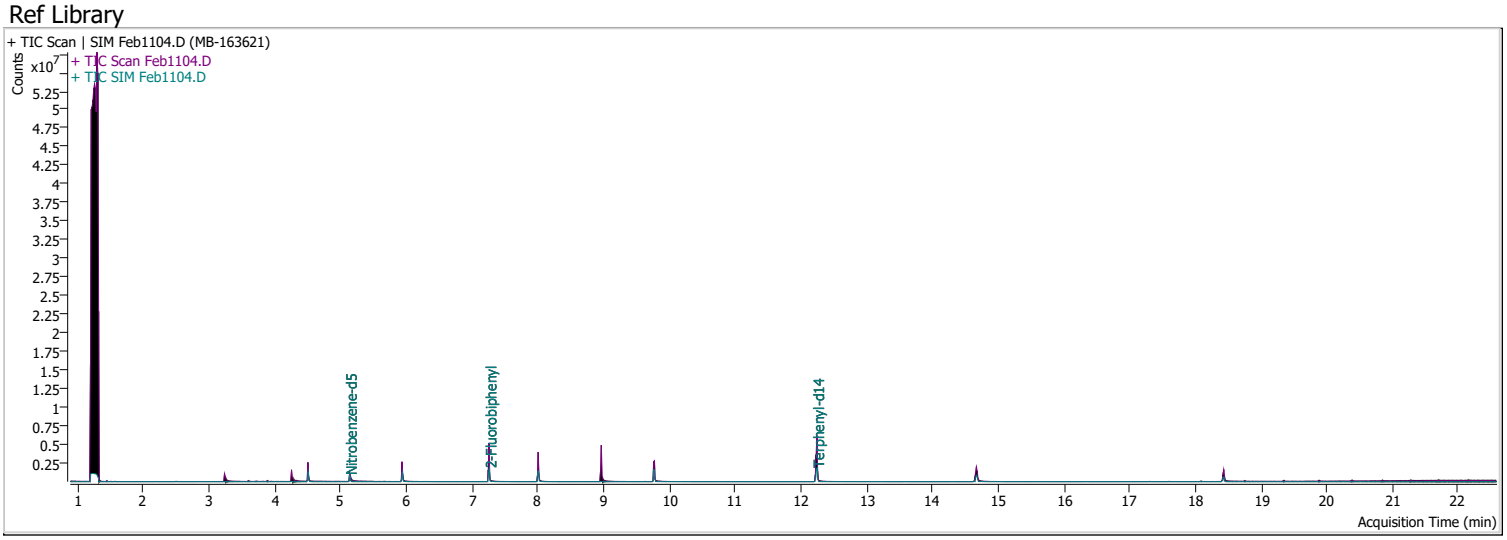
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb1104.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 4:23:56 PM
Sample Name	MB-163621	Instrument	GCMS
Vial	4	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			



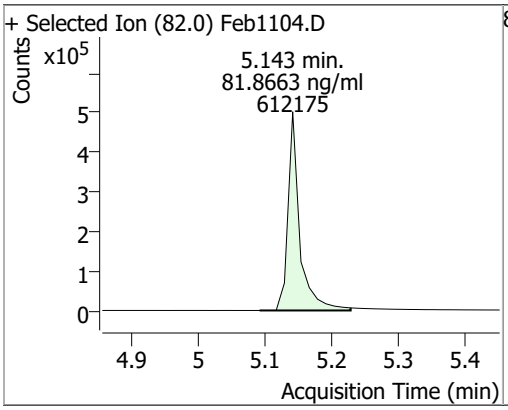
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	375110	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1330661	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.013	164.0	875552	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1583708	40.0000	ng/ml		0.000
M Chrysene-d12	14.677	240.0	1324380	40.0000	ng/ml		0.000
M Perylene-d12	18.437	264.0	829721	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	612175	81.8663	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1637.33%		*	
S 2-Fluorobiphenyl	7.264	172.0	1678074	68.8333	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1376.67%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.251	244.0	2737095	63.2623	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1265.25%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.038	154.0	0		ng/ml	md	1
T Fluorene	8.673	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.677	228.0	0		ng/ml	md	1
T Chrysene	14.739	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

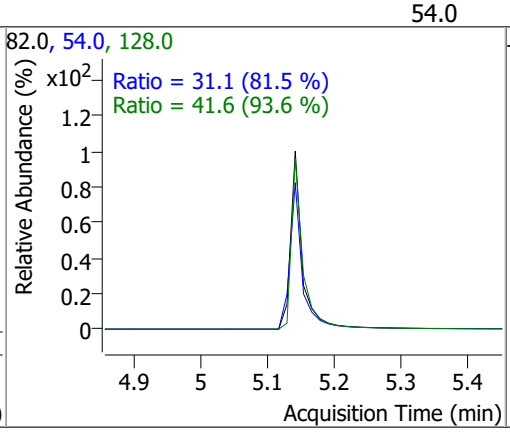
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.326	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

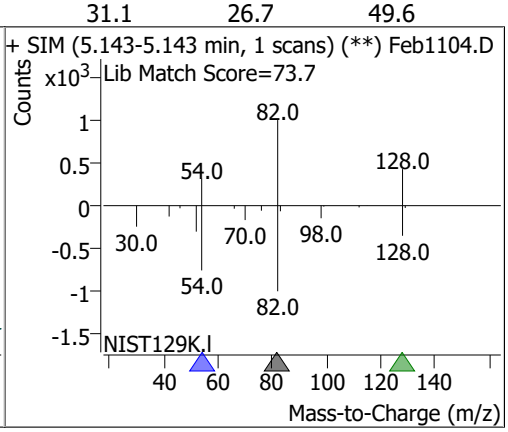
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (QT Reviewed)

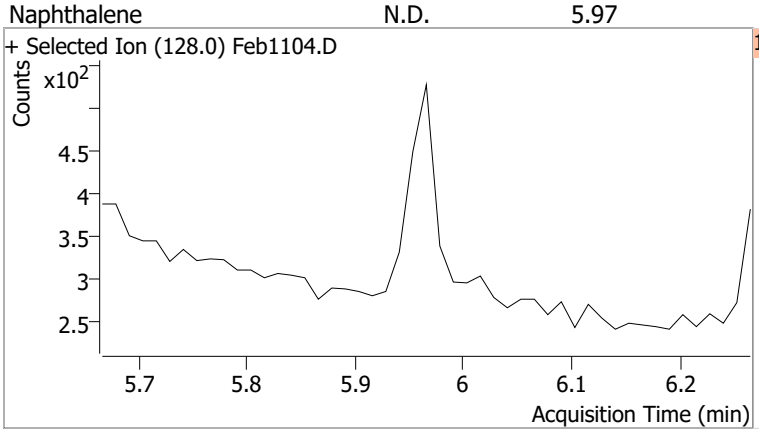
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	81.8663	5.14	-0.01	612175	128.0	41.6	31.2	57.9
					54.0	31.1	26.7	49.6

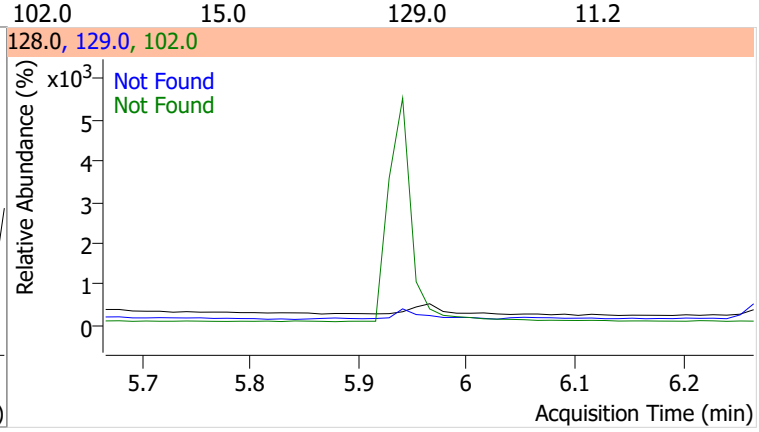




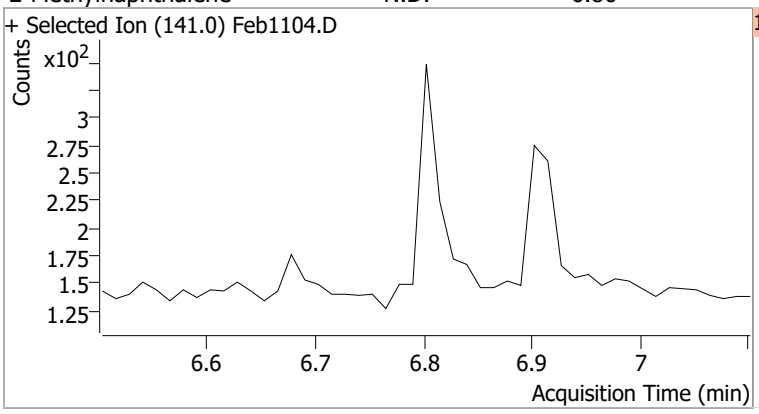


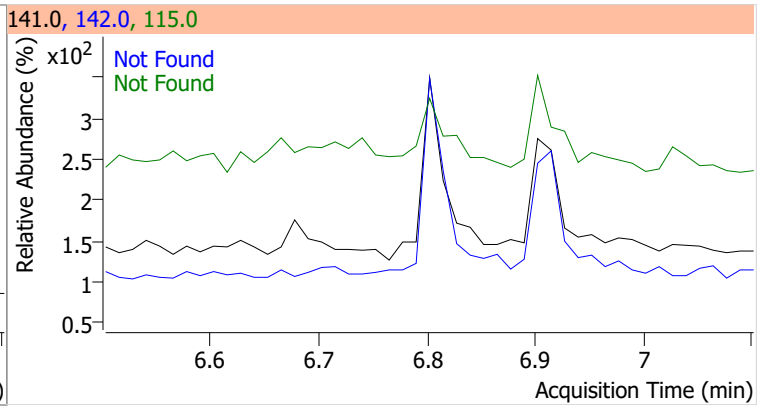
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.97	102.0	15.0	129.0	11.2



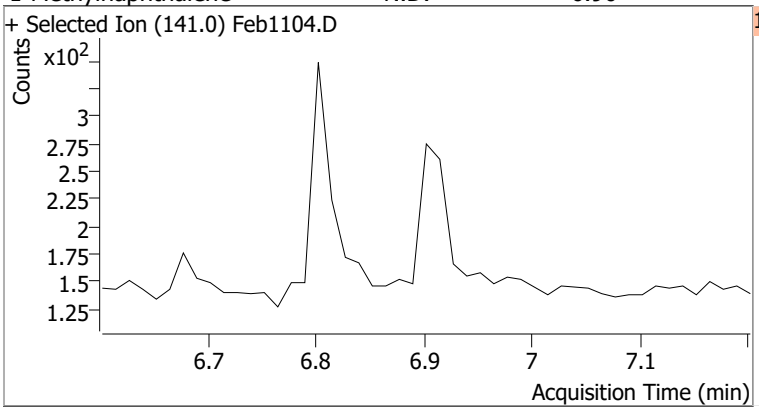


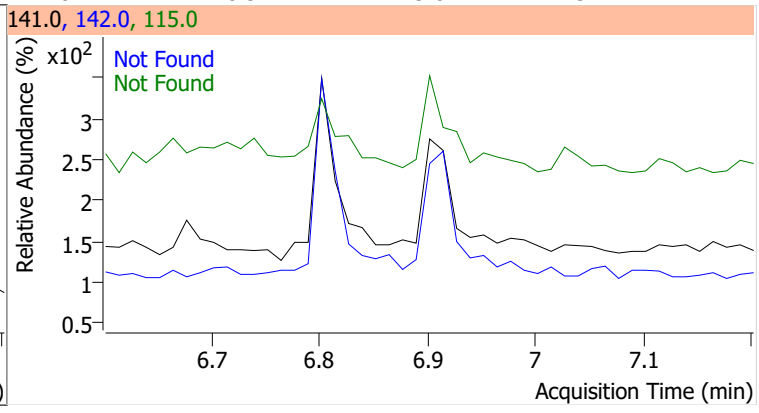
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.80	142.0	135.7	115.0	47.1



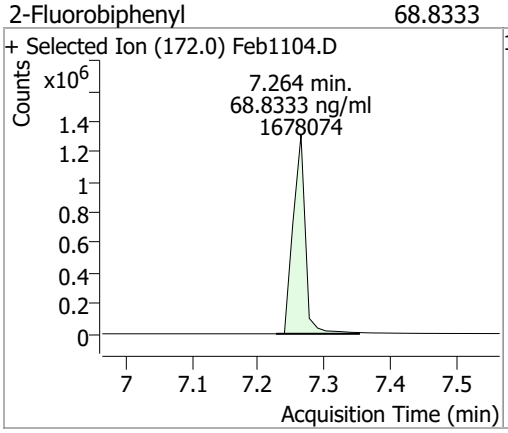


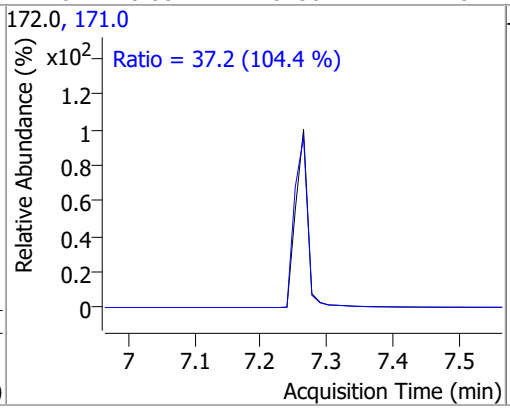
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	110.9	115.0	52.2

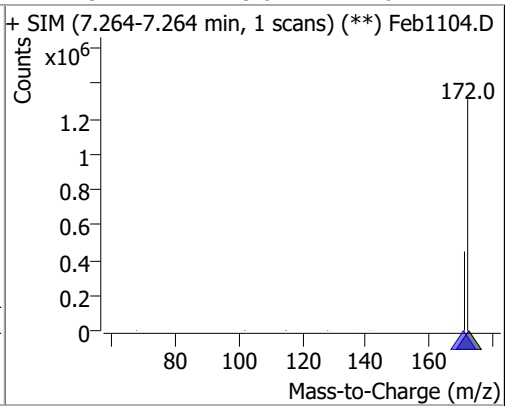




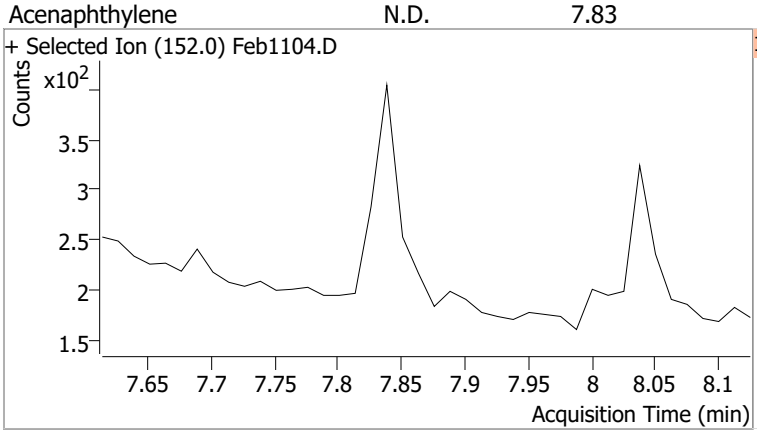
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	68.8333	7.26	0.00	1678074	171.0	37.2	25.0	46.4

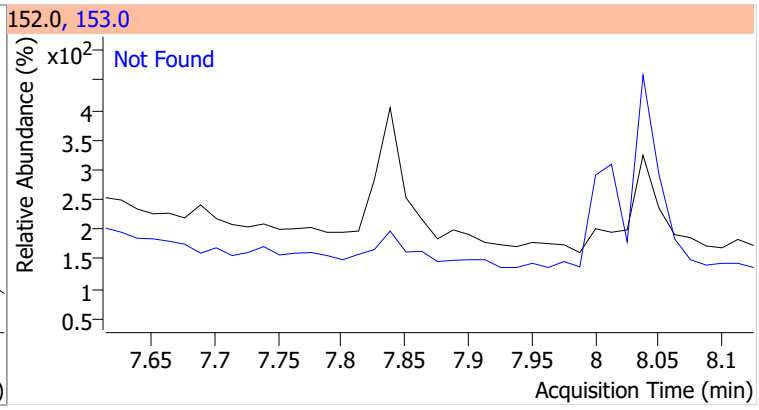




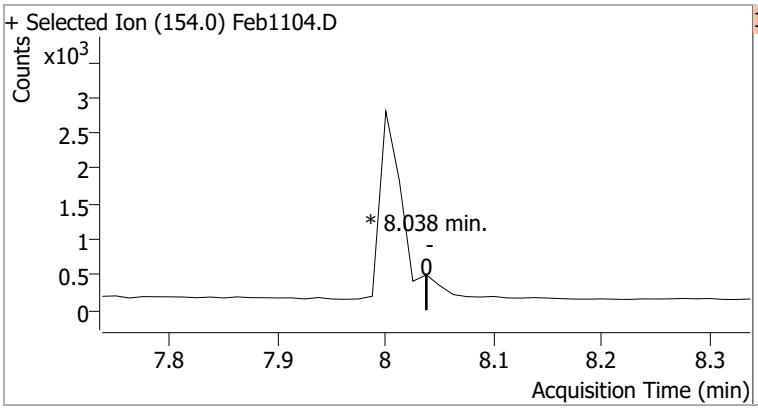


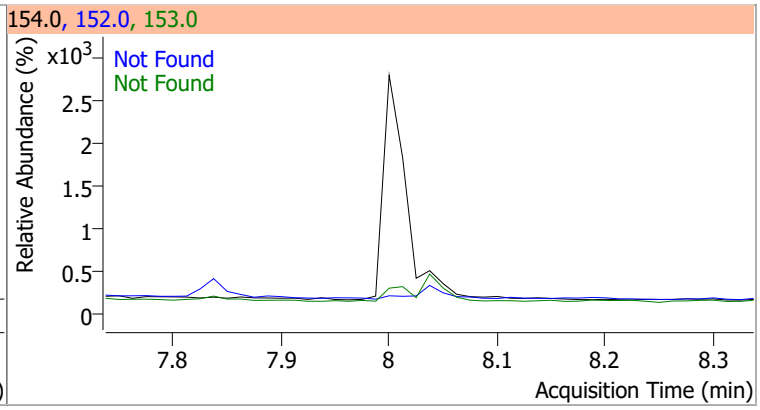
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	17.6



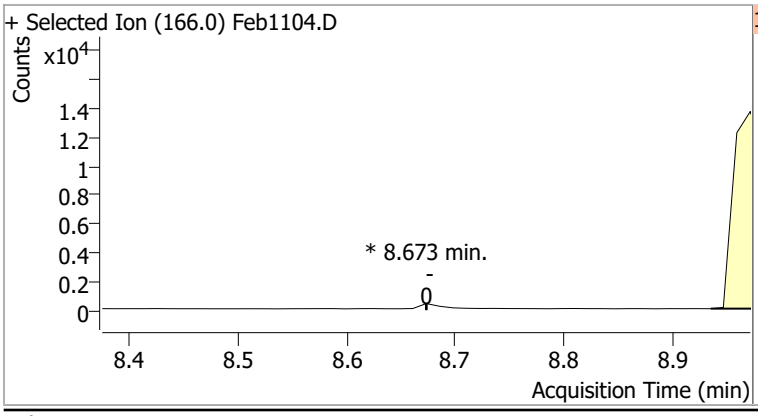


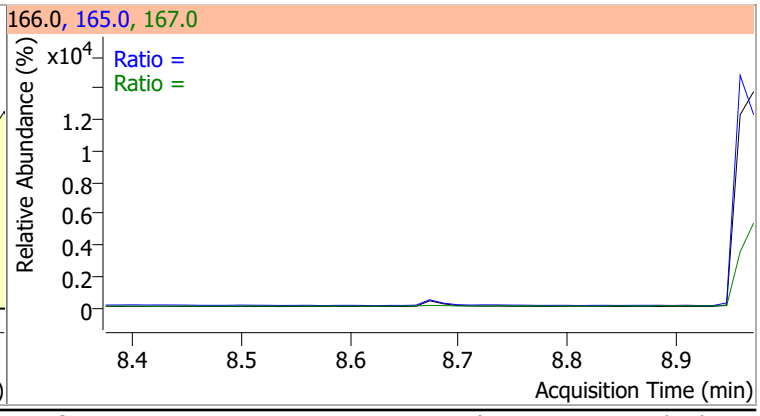
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



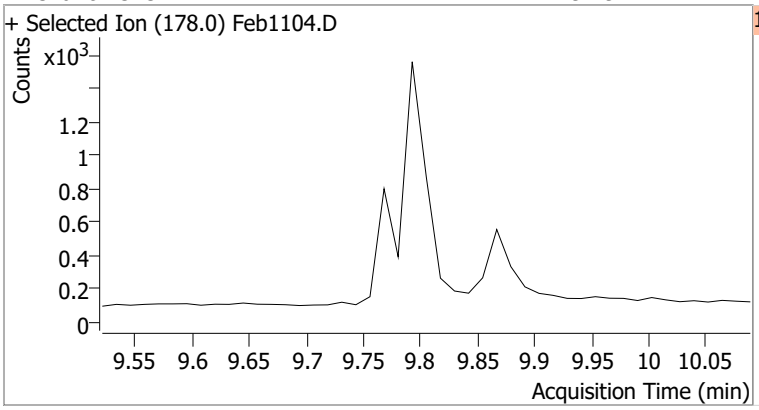


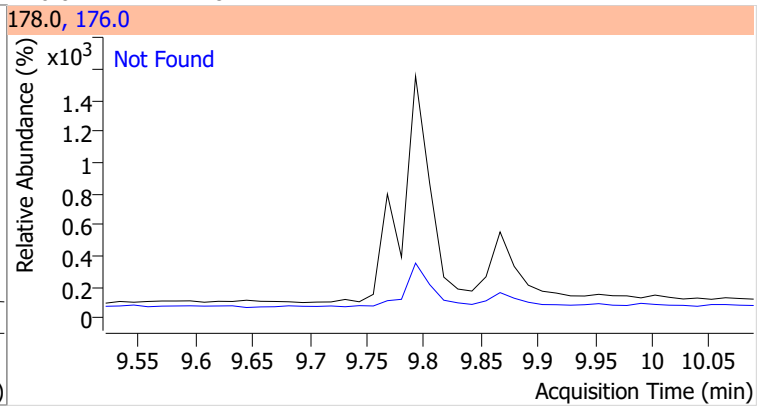
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



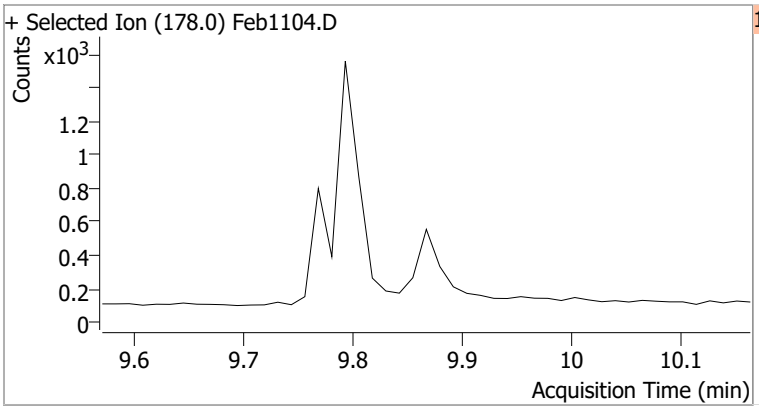


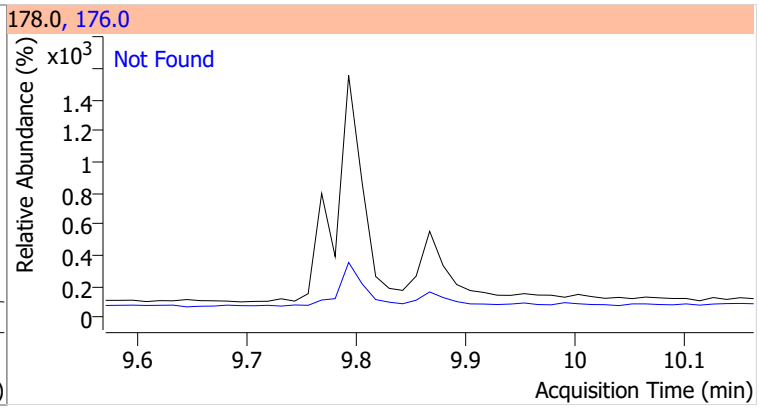
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.4



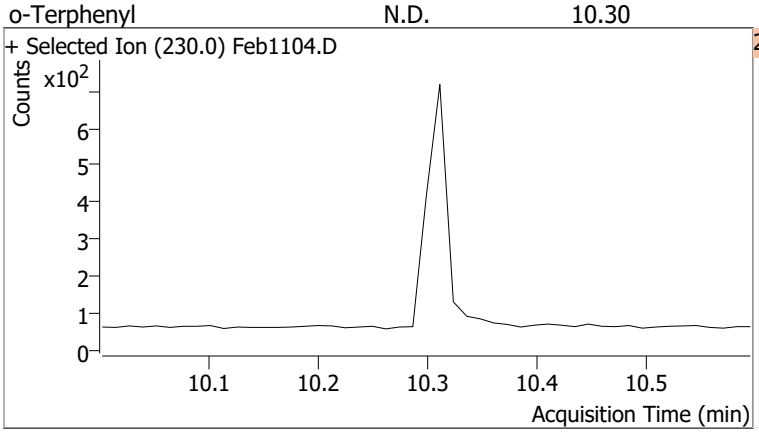


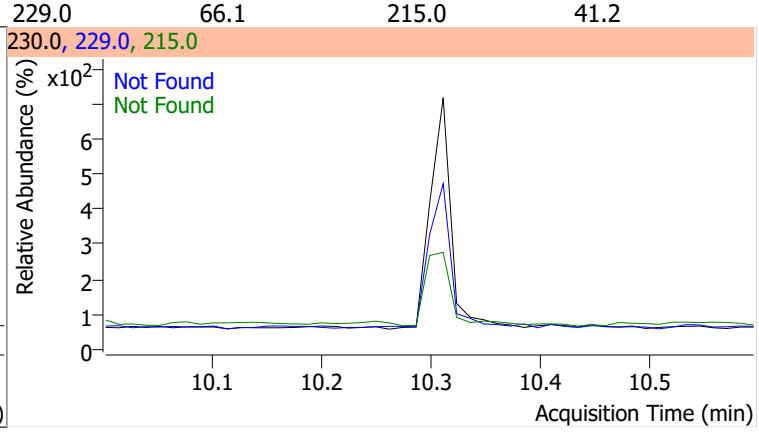
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.87	176.0	18.1



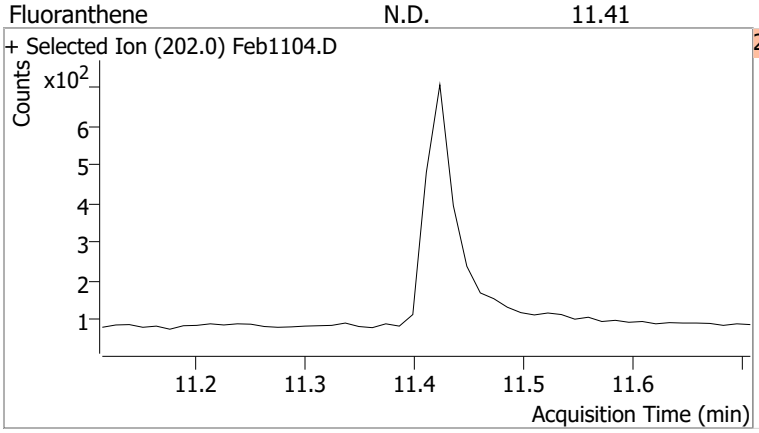


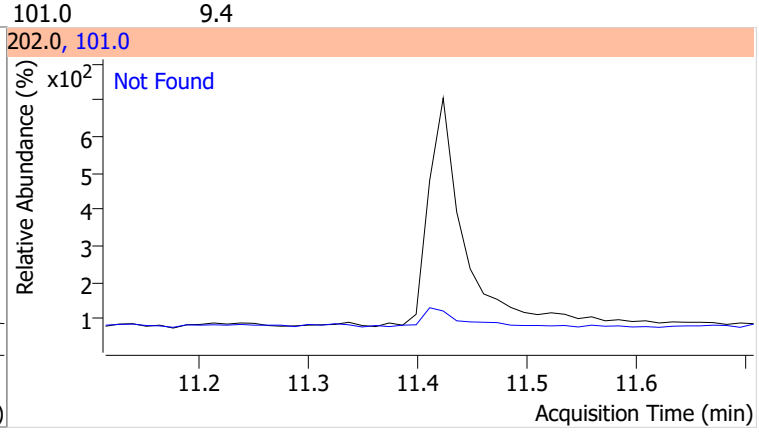
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.30	229.0	66.1	215.0	41.2



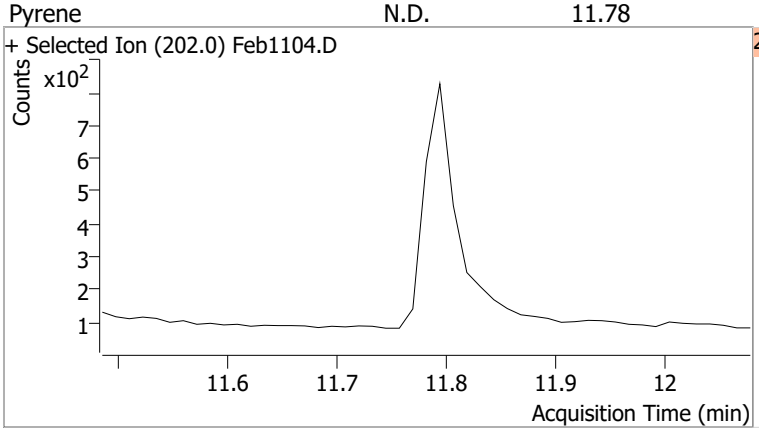


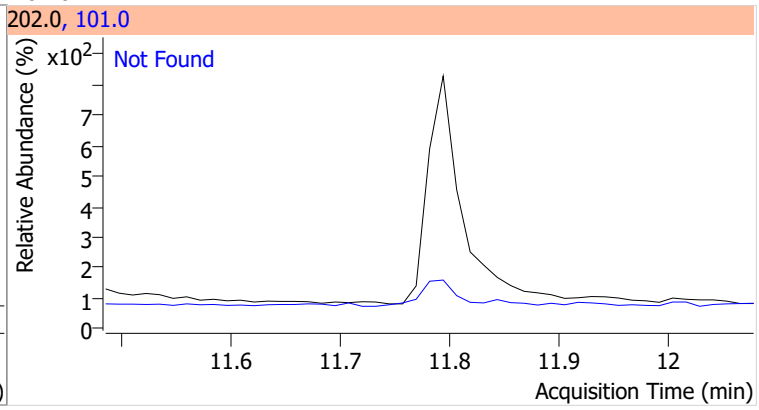
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.41	101.0	9.4



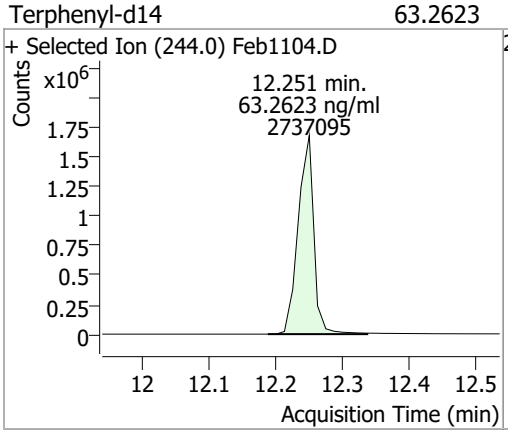


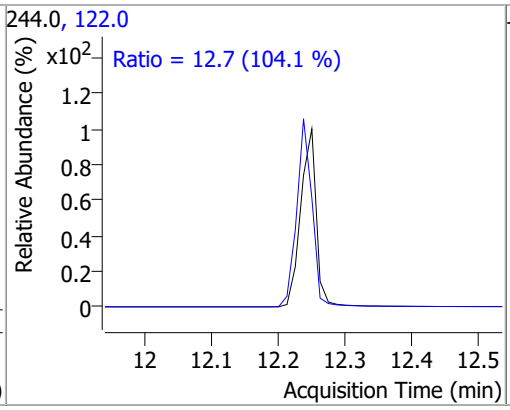
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.78	101.0	11.7

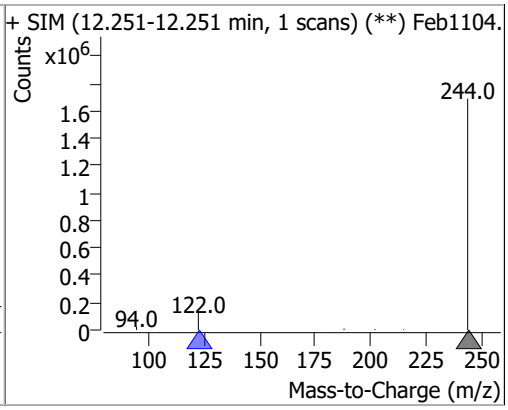




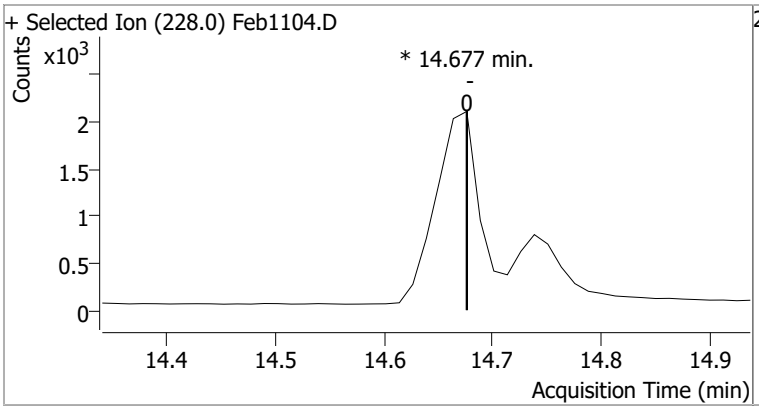
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	63.2623	12.25	0.01	2737095	122.0	12.7	8.6	15.9

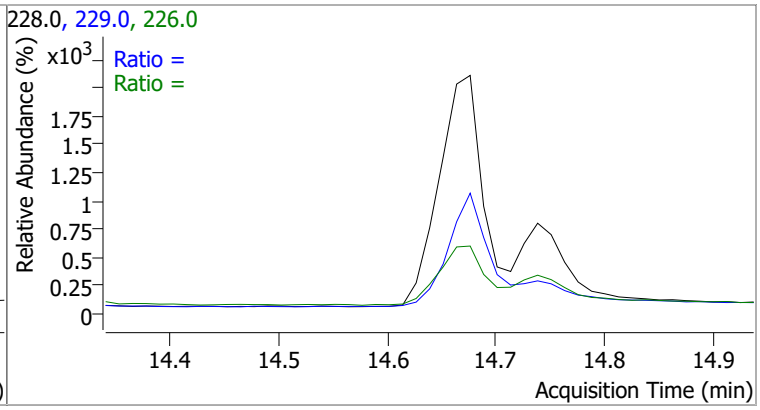




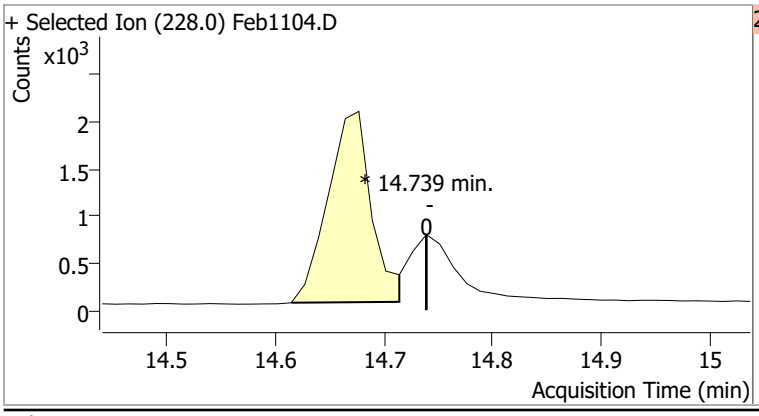


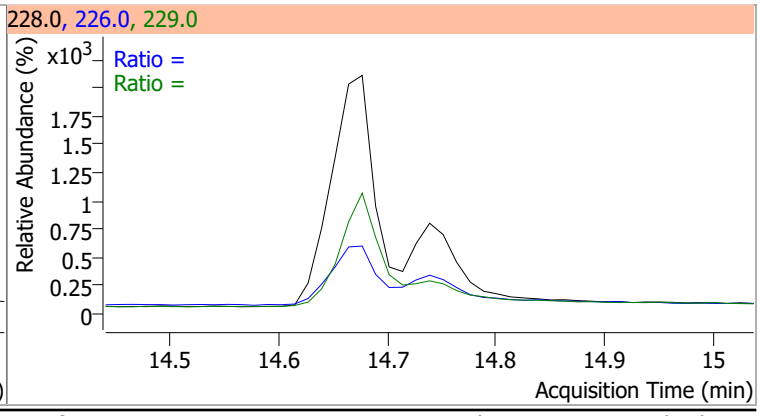
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



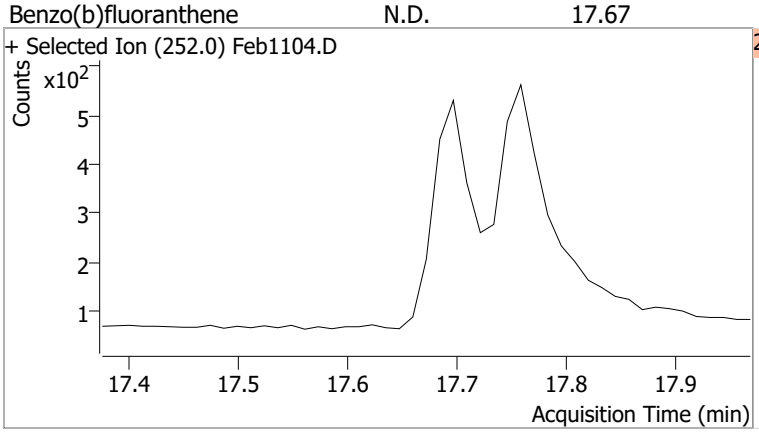


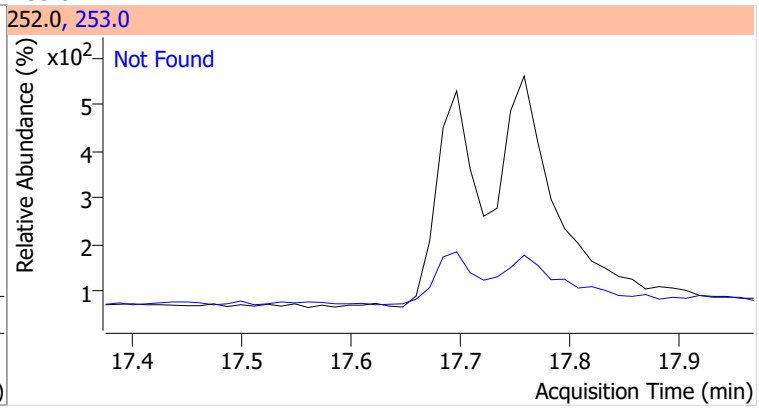
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



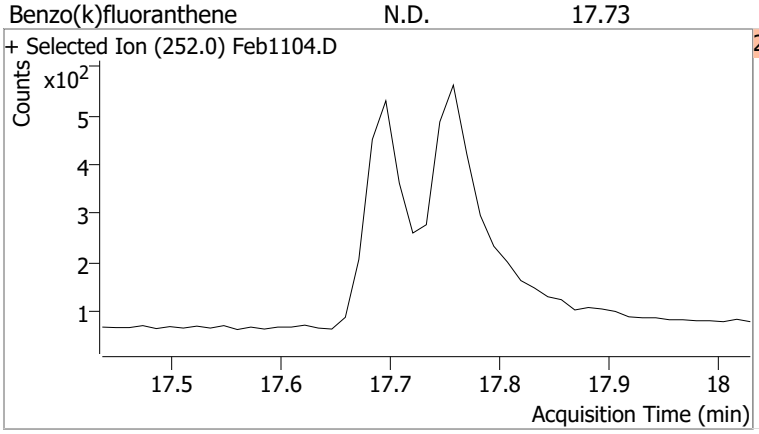


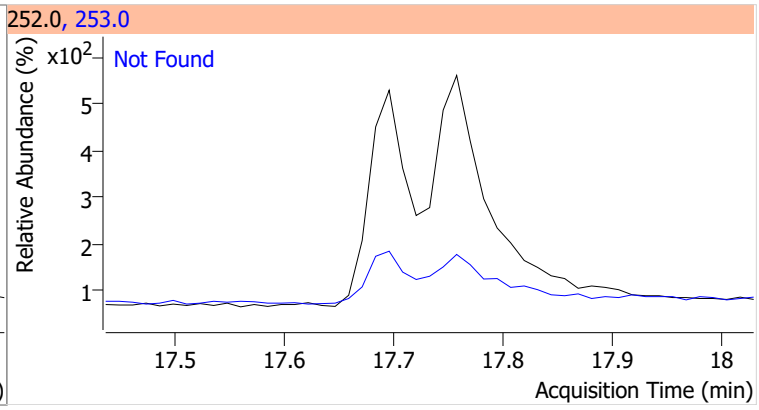
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.67	253.0	22.2



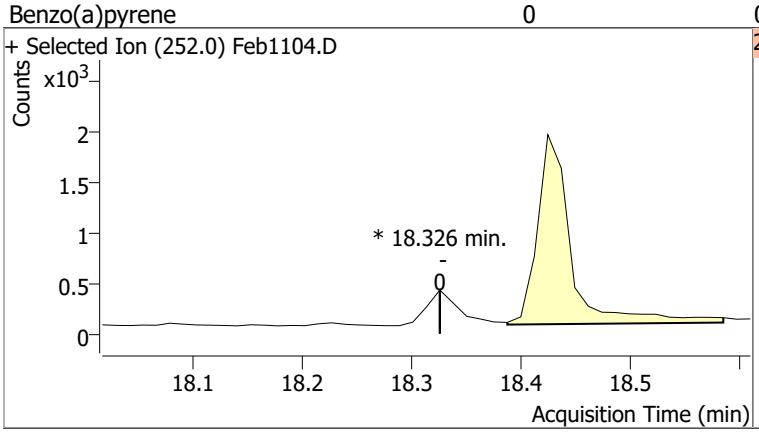


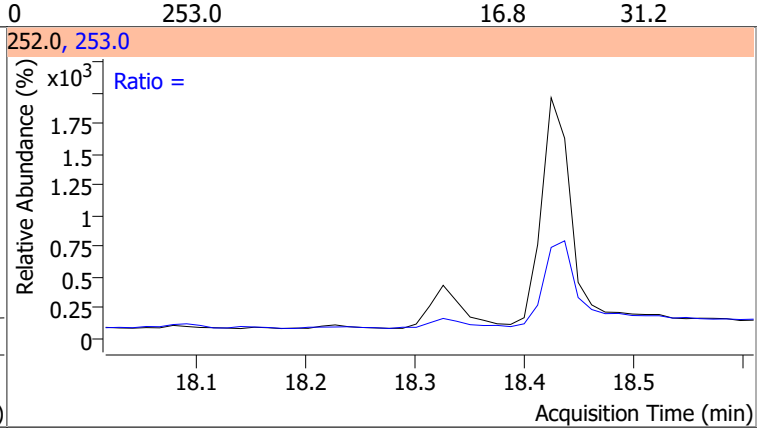
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.73	253.0	23.6



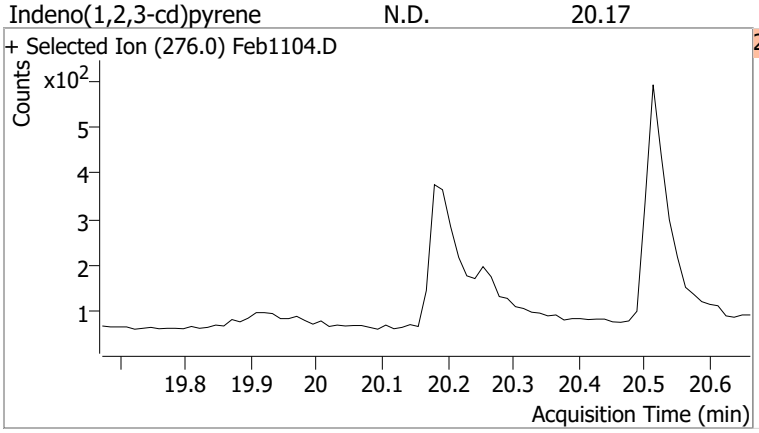


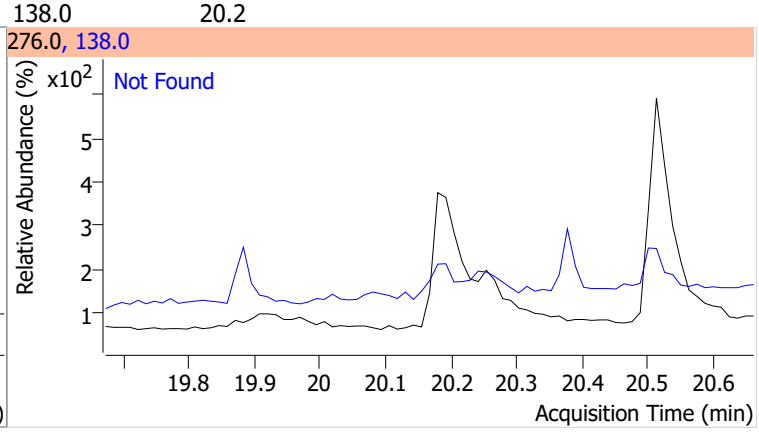
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



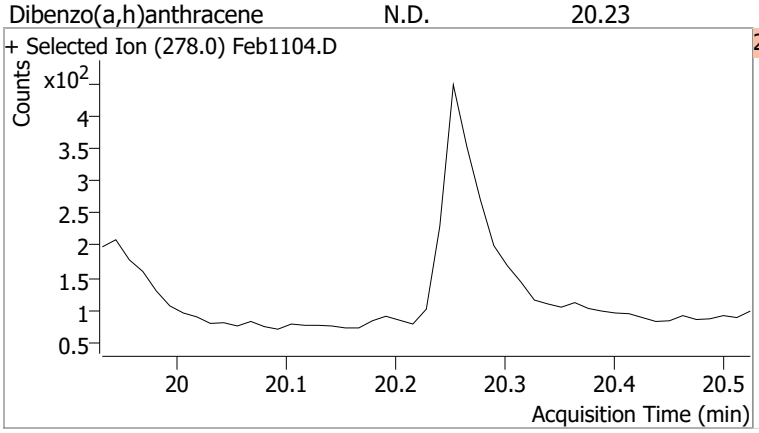


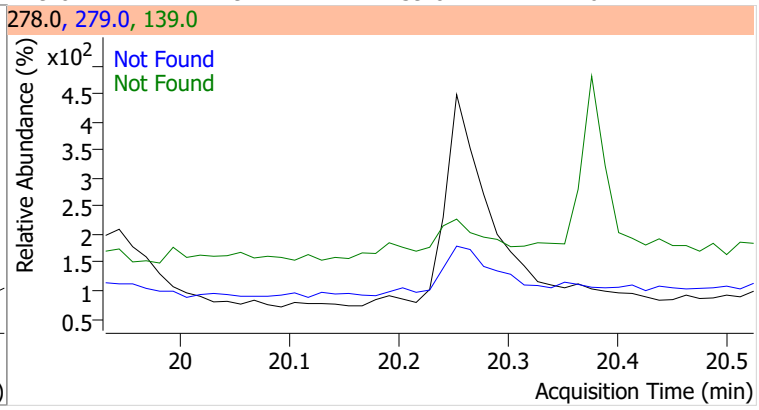
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.17	138.0	20.2



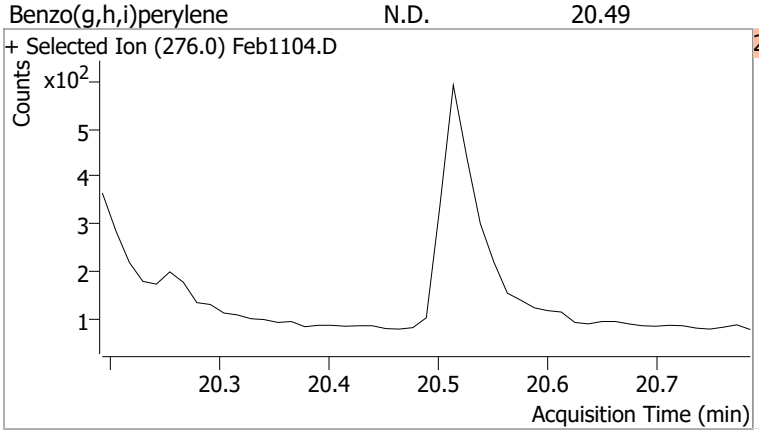


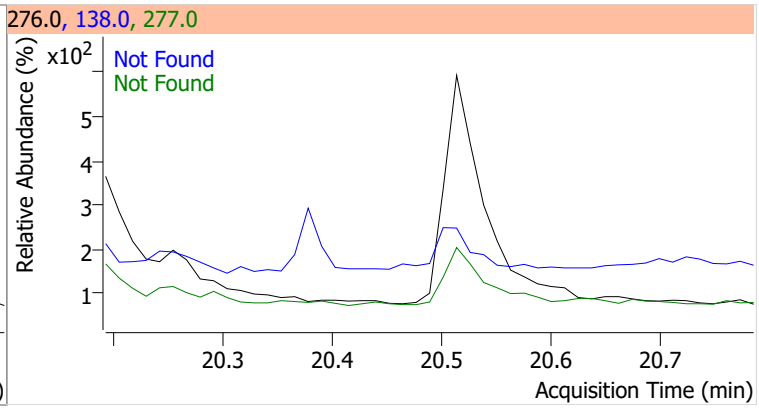
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.9	139.0	16.2





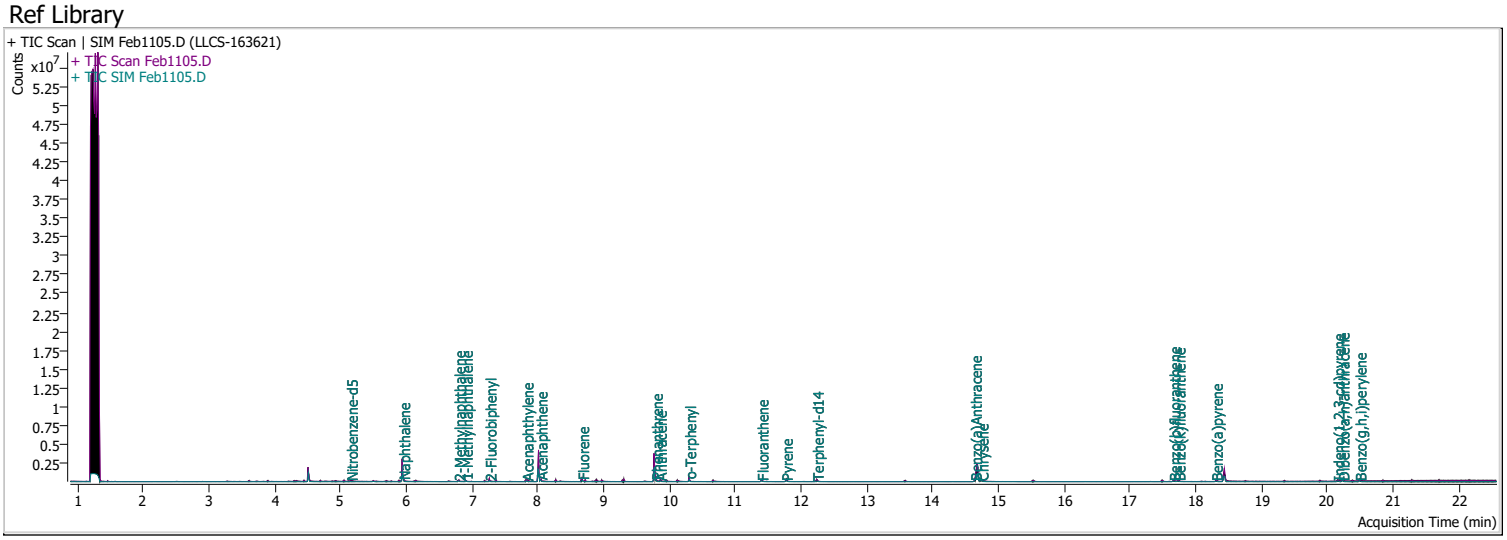
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb1105.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 4:56:32 PM
Sample Name	LLCS-163621	Instrument	GCMS
Vial	5	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			

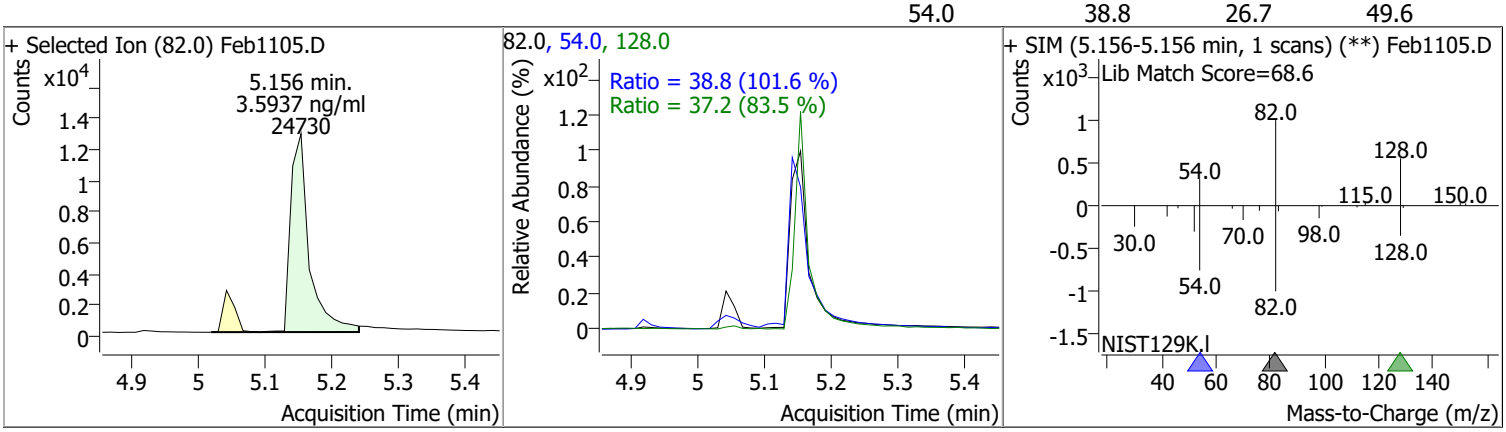


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1,4-Dichlorobenzene-d4	4.509	152.0	345192	40.0000	ng/ml	0.000
M Naphthalene-d8	5.941	136.0	1311534	40.0000	ng/ml	0.000
M Acenaphthene-d10	8.001	164.0	887030	40.0000	ng/ml	-0.013
M Phenanthrene-d10	9.768	188.0	1705909	40.0000	ng/ml	0.000
M Chrysene-d12	14.677	240.0	1532989	40.0000	ng/ml	0.000
M Perylene-d12	18.438	264.0	937343	40.0000	ng/ml	0.012
System Monitoring Compounds						
S Nitrobenzene-d5	5.156	82.0	24730	3.5937	ng/ml	0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 71.87%		
S 2-Fluorobiphenyl	7.265	172.0	98469	3.5561	ng/ml	0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 71.12%		
S o-Terphenyl	10.299	230.0	115555	4.3733	ng/ml	0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 87.47%		
S Terphenyl-d14	12.238	244.0	139728	4.3028	ng/ml	0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 86.06%		
Target Compounds						QValue
T Naphthalene	5.953	128.0	96954	2.7440	ng/ml	100
T 2-Methylnaphthalene	6.790	141.0	62501	2.9079	ng/ml	94
T 1-Methylnaphthalene	6.902	141.0	63165	2.8177	ng/ml	95
T Acenaphthylene	7.826	152.0	115262	3.3897	ng/ml	100
T Acenaphthene	8.038	154.0	88298	3.6516	ng/ml	99
T Fluorene	8.673	166.0	105883	3.6482	ng/ml	85
T Phenanthrene	9.793	178.0	187586	4.1498	ng/ml	99
T Anthracene	9.854	178.0	162731	4.3858	ng/ml	98
T Fluoranthene	11.398	202.0	195480	4.5314	ng/ml	100
T Pyrene	11.769	202.0	213341	4.1489	ng/ml	98
T Benzo(a)Anthracene	14.639	228.0	164125	4.5926	ng/ml	99
T Chrysene	14.739	228.0	214722	4.3577	ng/ml	96
T Benzo(b)fluoranthene	17.659	252.0	145781	4.3783	ng/ml	98

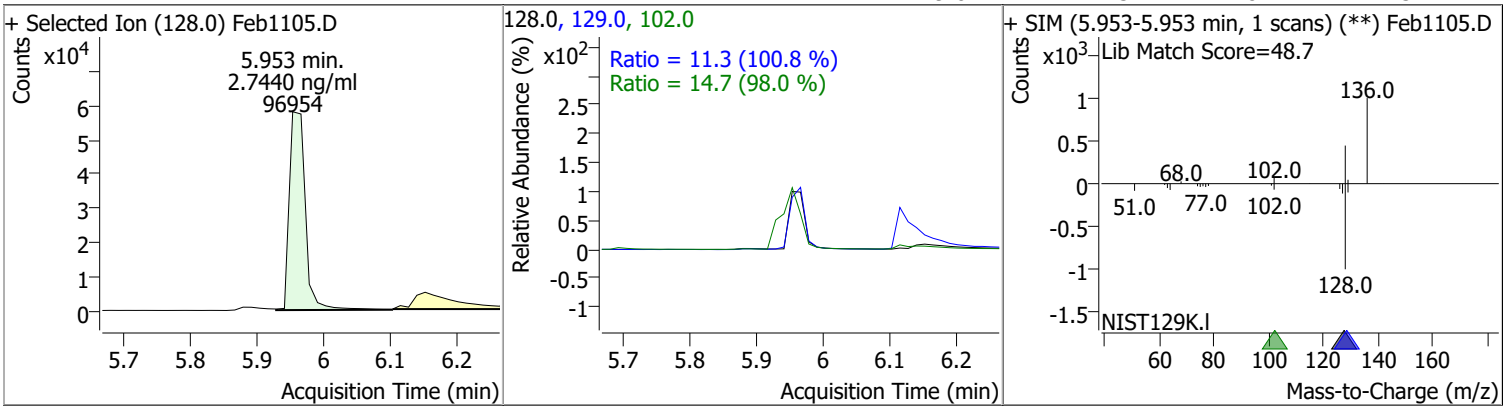
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.733	252.0	155465	4.2132	ng/ml	99
T Benzo(a)pyrene	18.302	252.0	118804	4.1456	ng/ml	99
T Indeno(1,2,3-cd)pyrene	20.155	276.0	111604	4.3217	ng/ml	99
T Dibenzo(a,h)anthracene	20.229	278.0	132057	4.4810	ng/ml	99
T Benzo(g,h,i)perylene	20.489	276.0	161759	4.6067	ng/ml	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

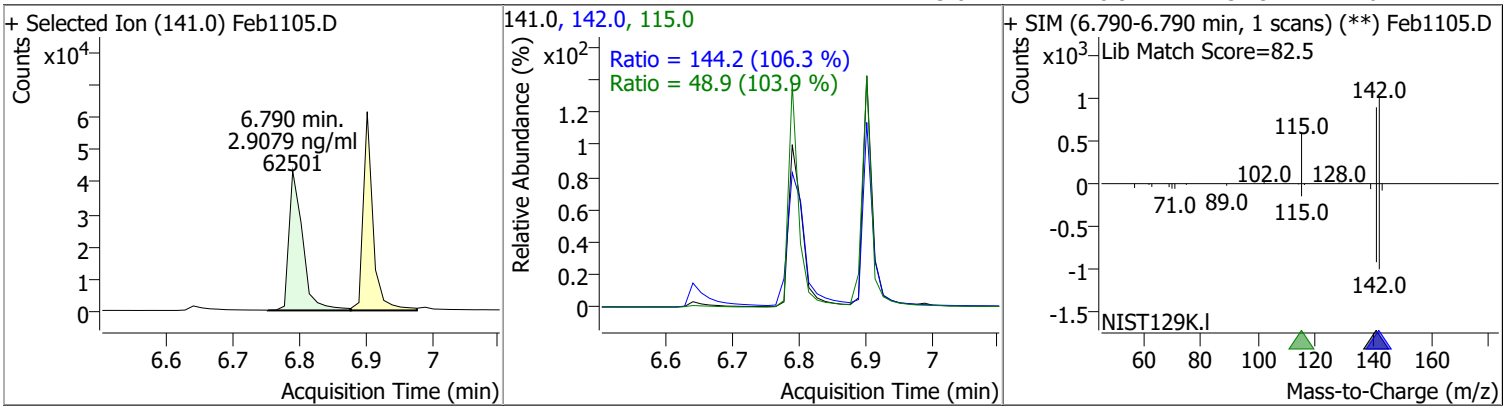
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.5937	5.16	0.00	24730	128.0	37.2	31.2	57.9
					54.0	38.8	26.7	49.6



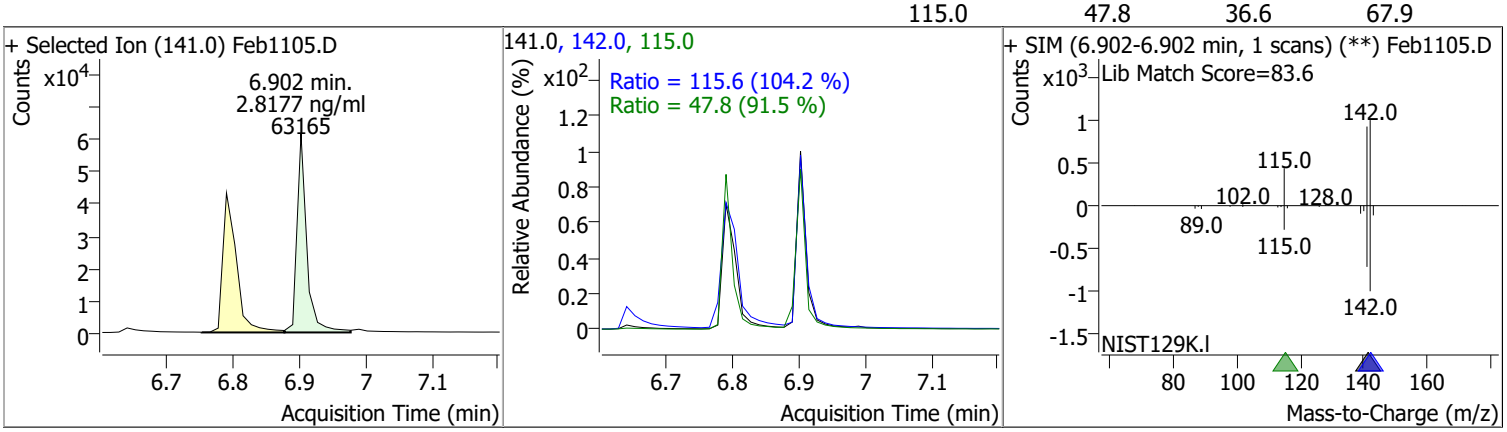
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	2.7440	5.95	-0.01	96954	102.0	14.7	0.0	45.0
					129.0	11.3	7.8	14.5



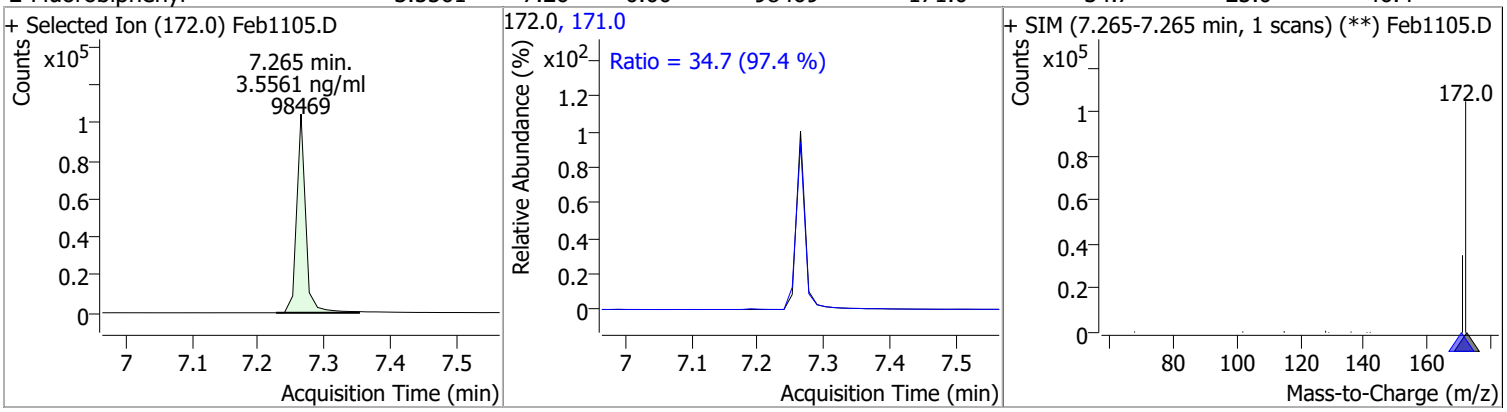
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	2.9079	6.79	-0.01	62501	142.0	144.2	95.0	176.4
					115.0	48.9	32.9	61.2



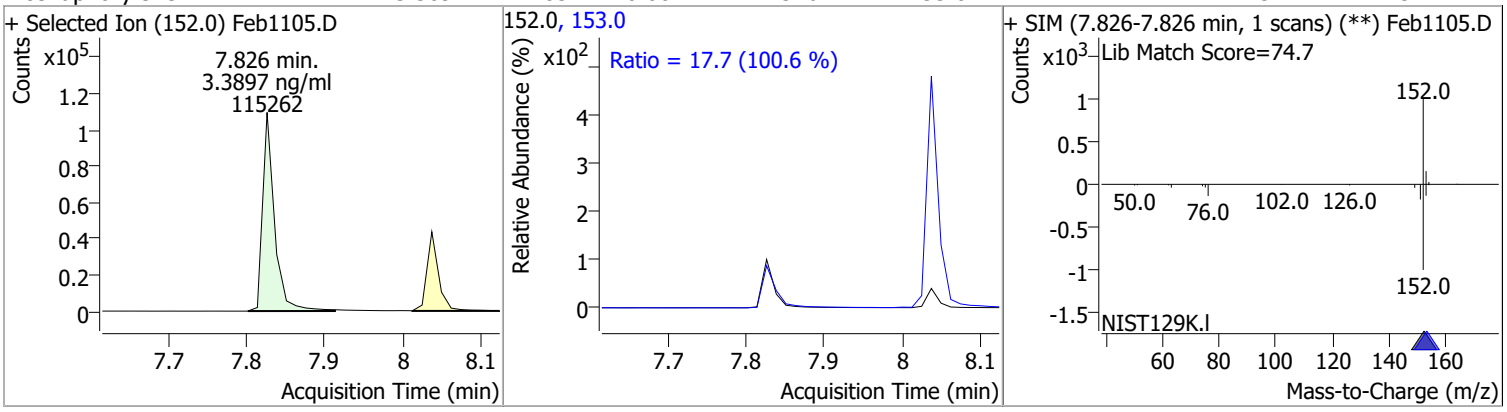
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.8177	6.90	0.00	63165	142.0	115.6	77.7	144.2
					115.0	47.8	36.6	67.9



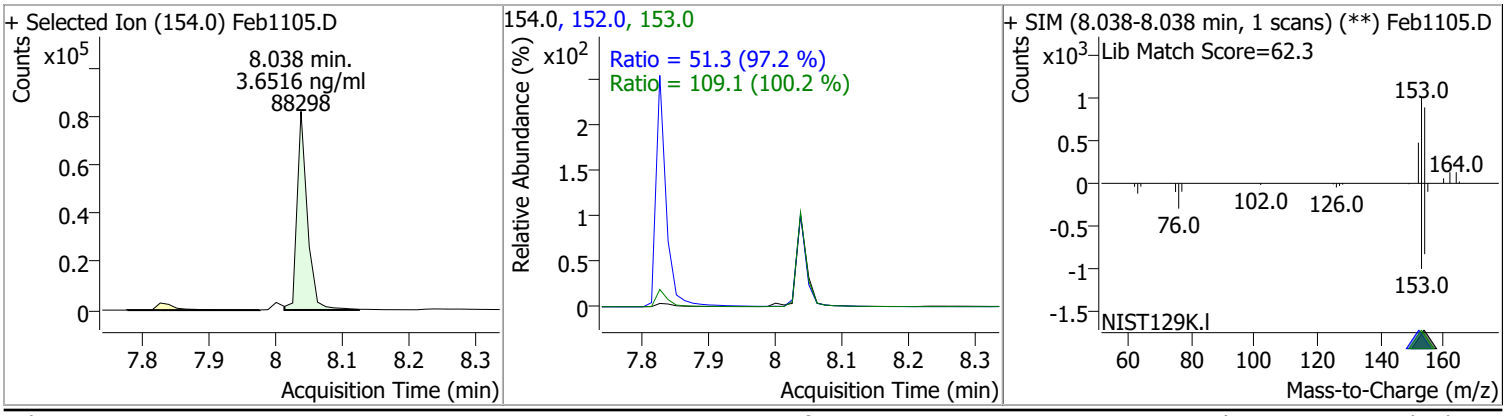
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.5561	7.26	0.00	98469	171.0	34.7	25.0	46.4



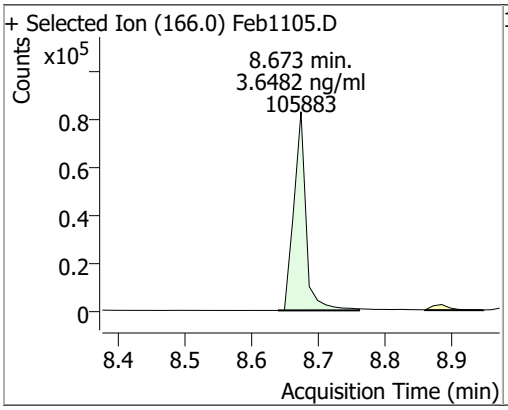
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	3.3897	7.83	0.00	115262	153.0	17.7	12.3	22.9

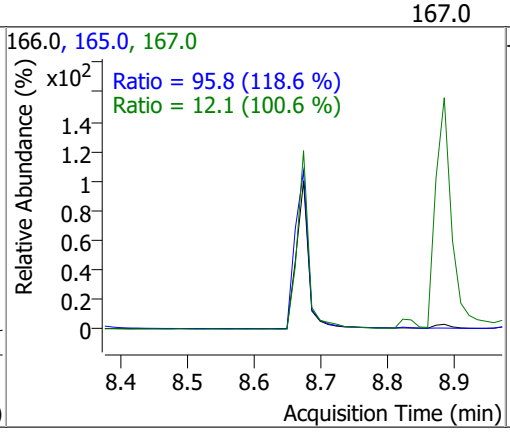


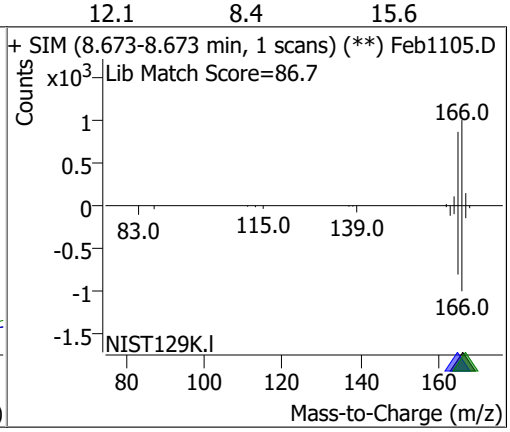
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	3.6516	8.04	0.00	88298	153.0	109.1	76.2	141.5
					152.0	51.3	37.0	68.7



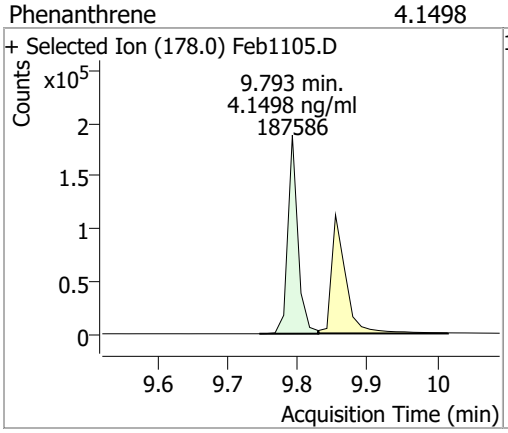
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	3.6482	8.67	0.00	105883	165.0	95.8	56.5	104.9
					167.0	12.1	8.4	15.6

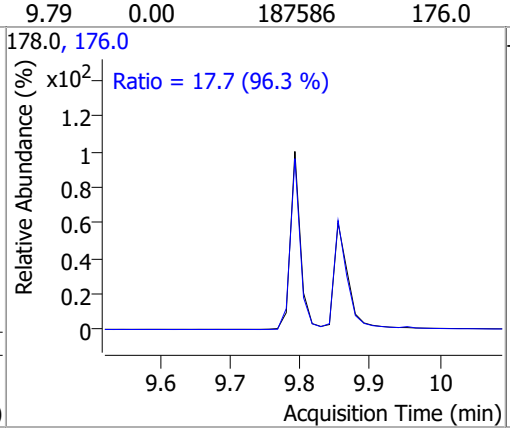


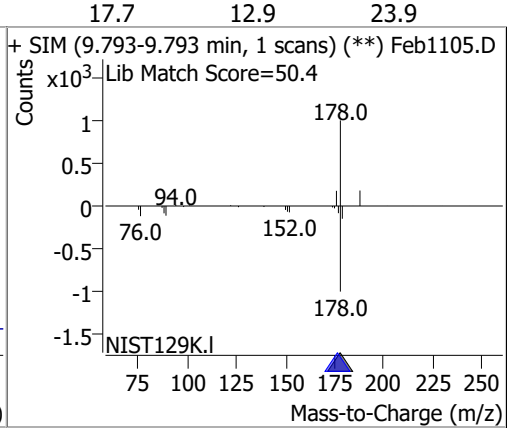




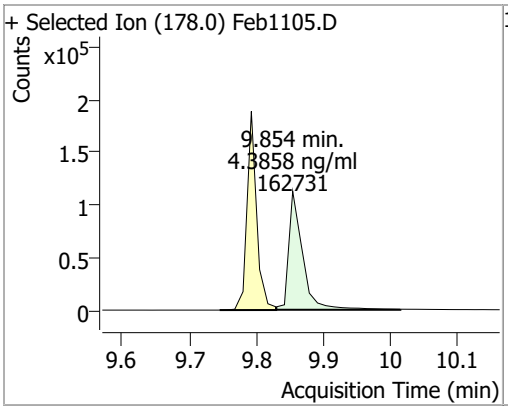
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	4.1498	9.79	0.00	187586	176.0	17.7	12.9	23.9

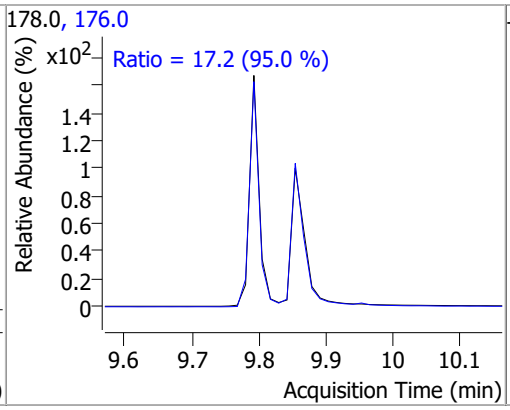


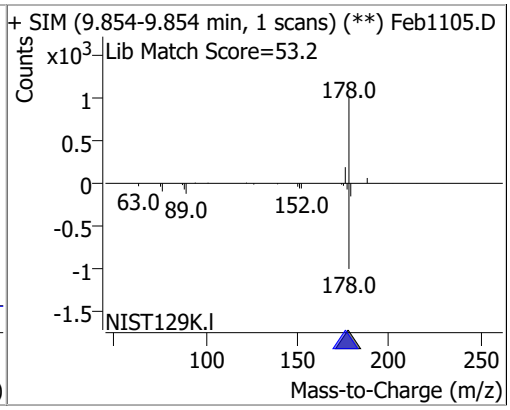




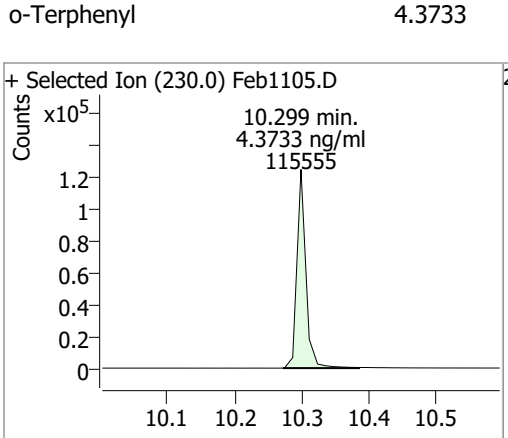
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	4.3858	9.85	-0.01	162731	176.0	17.2	12.7	23.6

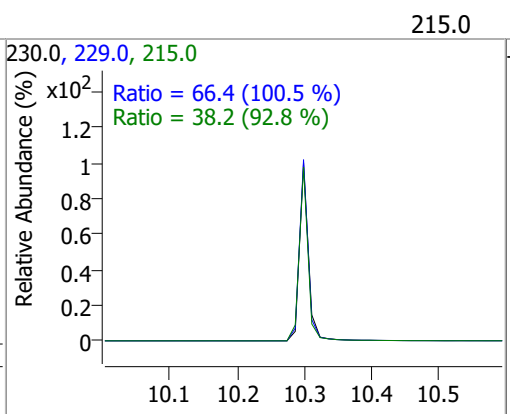


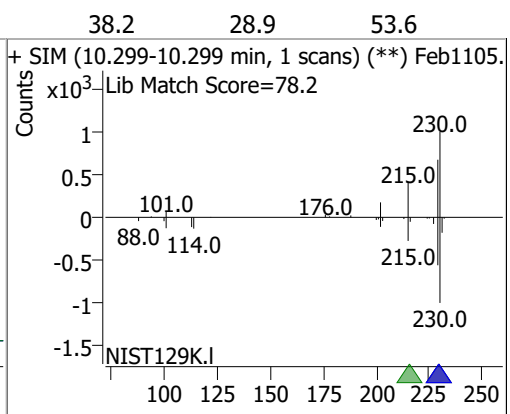




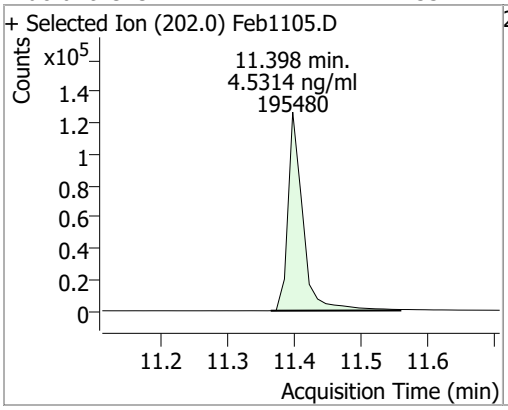
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.3733	10.30	0.00	115555	229.0	66.4	46.3	85.9
					215.0	38.2	28.9	53.6

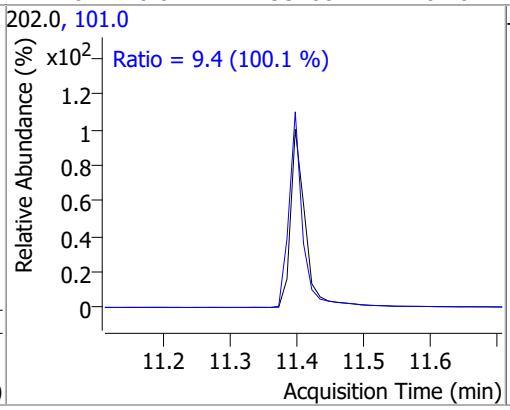


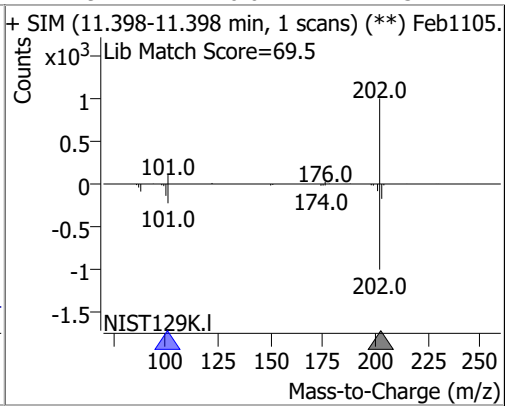




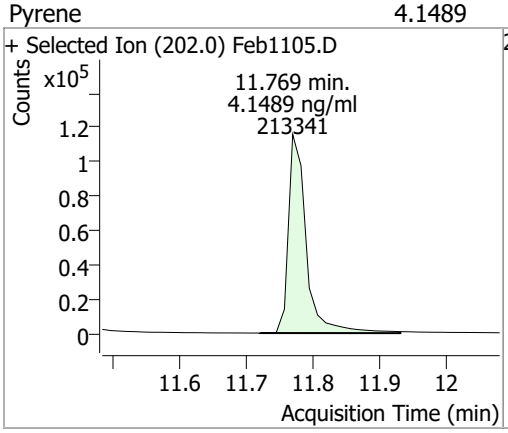
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	4.5314	11.40	-0.01	195480	101.0	9.4	6.6	12.3

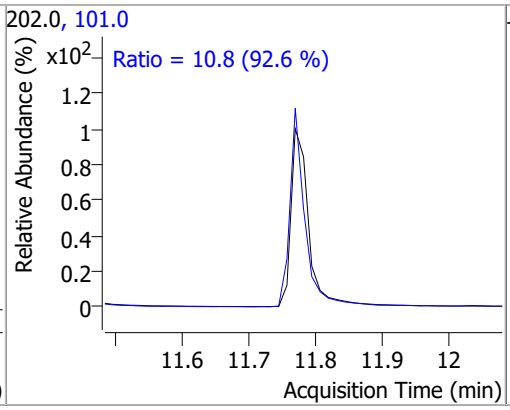


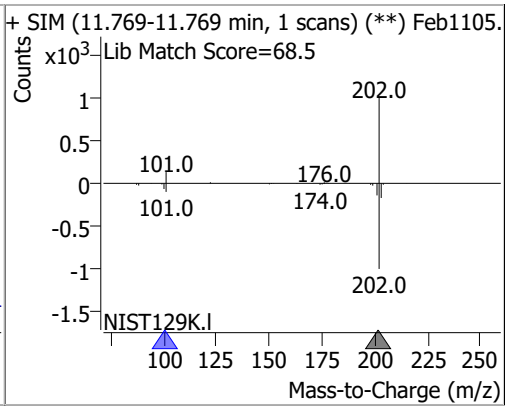




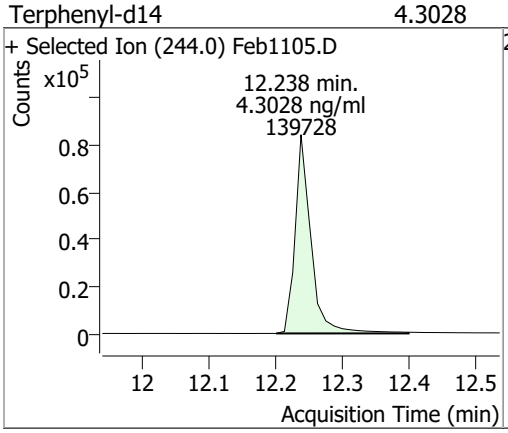
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	4.1489	11.77	-0.01	213341	101.0	10.8	8.2	15.2

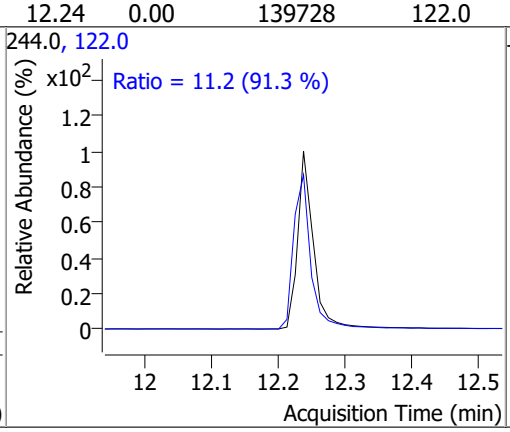


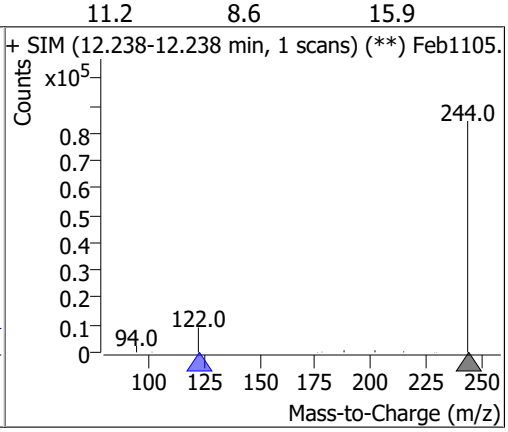




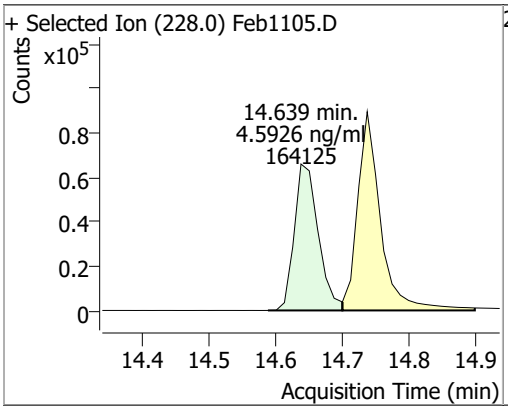
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.3028	12.24	0.00	139728	122.0	11.2	8.6	15.9

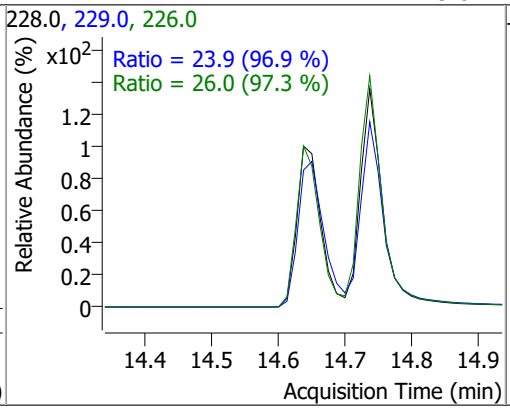


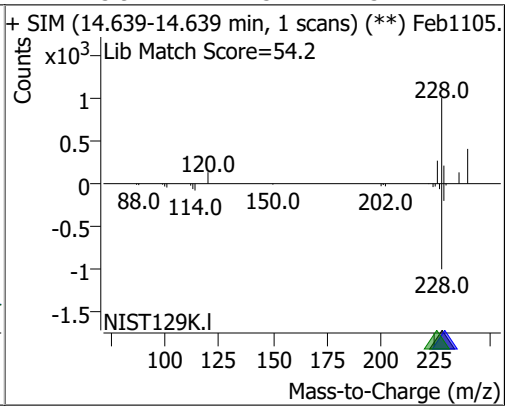




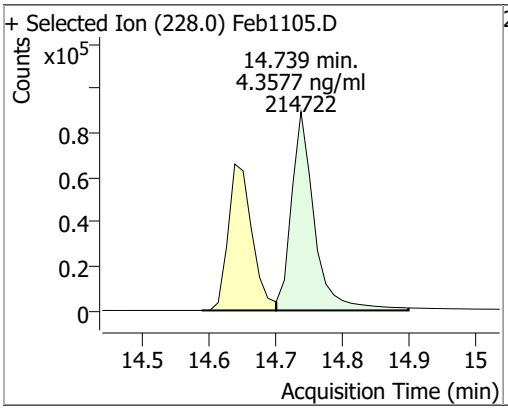
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	4.5926	14.64	0.00	164125	226.0	26.0	18.7	34.8
					229.0	23.9	17.3	32.1

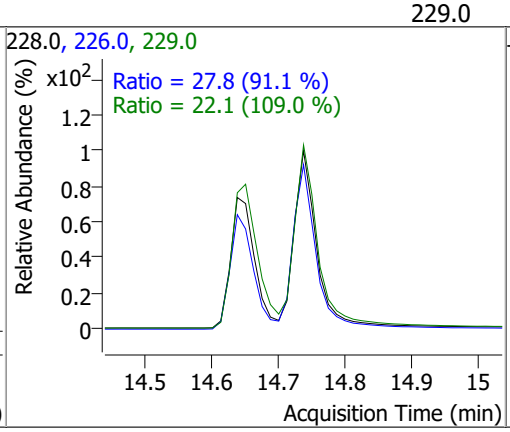


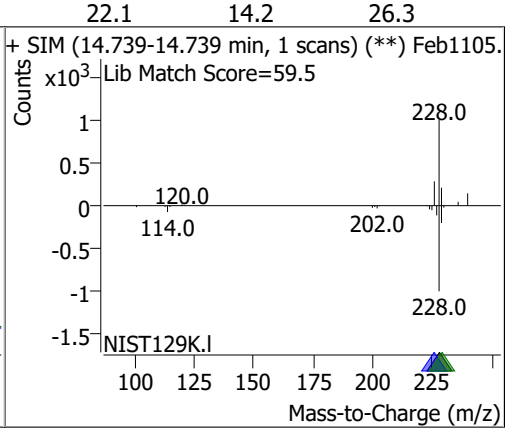




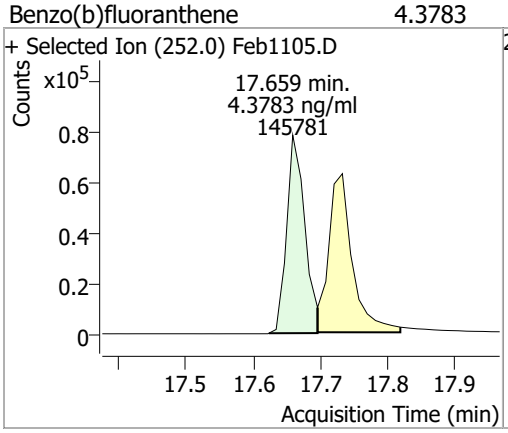
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	4.3577	14.74	0.00	214722	226.0	27.8	21.4	39.7
					229.0	22.1	14.2	26.3

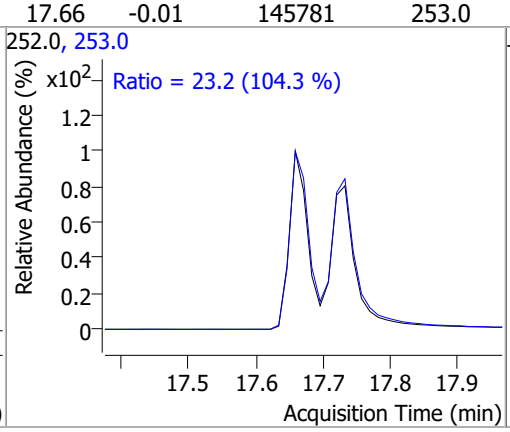


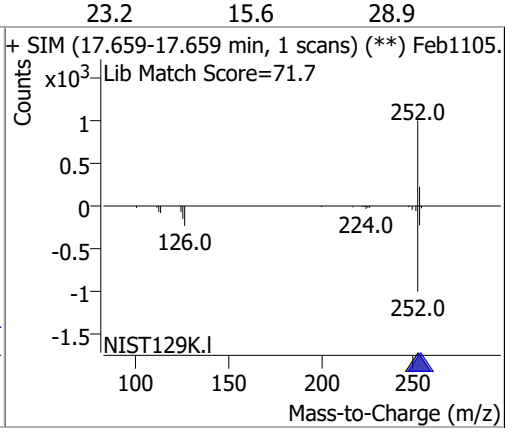




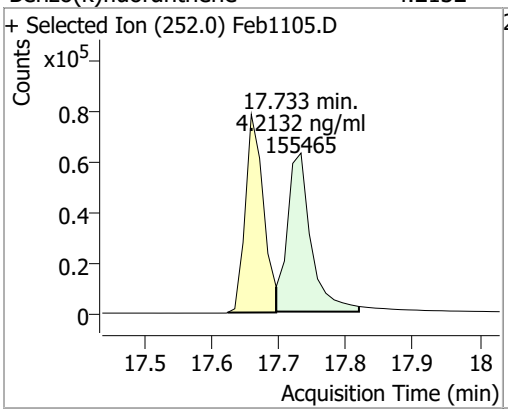
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	4.3783	17.66	-0.01	145781	253.0	23.2	15.6	28.9

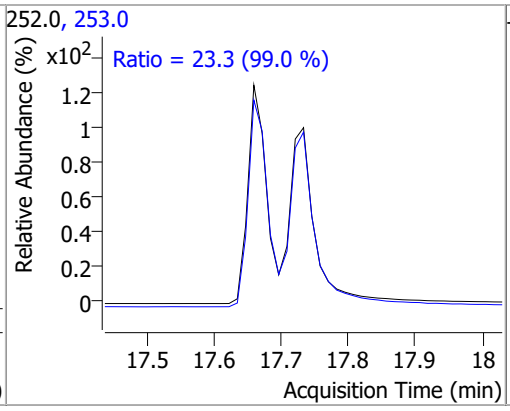


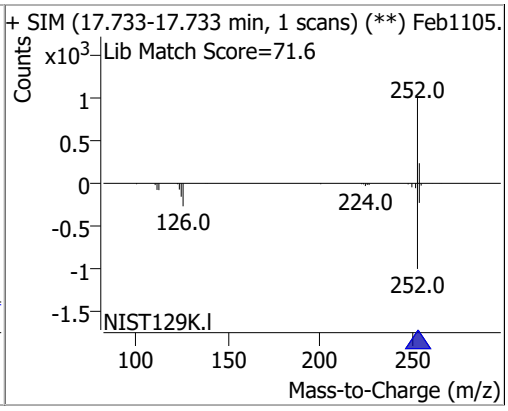




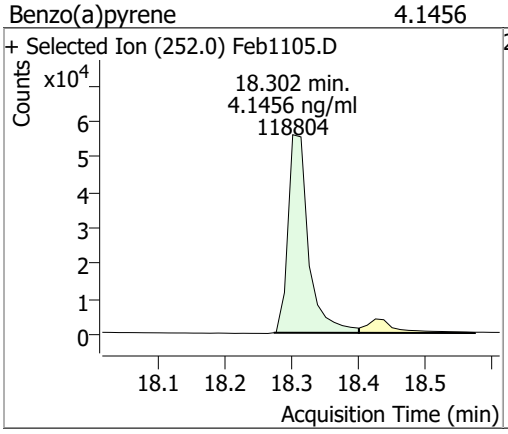
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	4.2132	17.73	0.00	155465	253.0	23.3	16.5	30.6

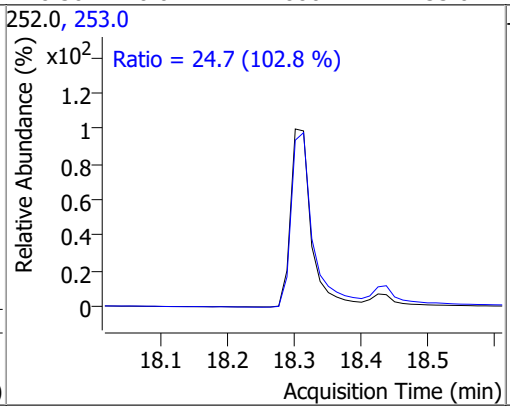


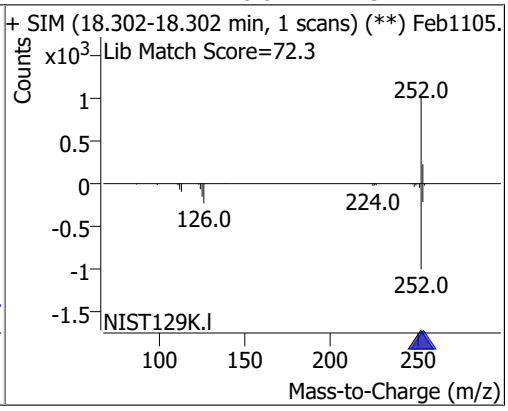




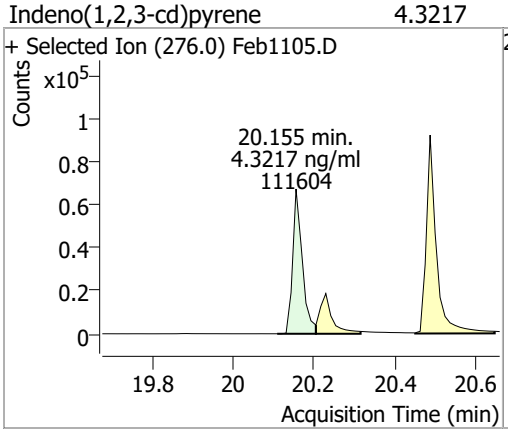
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	4.1456	18.30	-0.01	118804	253.0	24.7	16.8	31.2

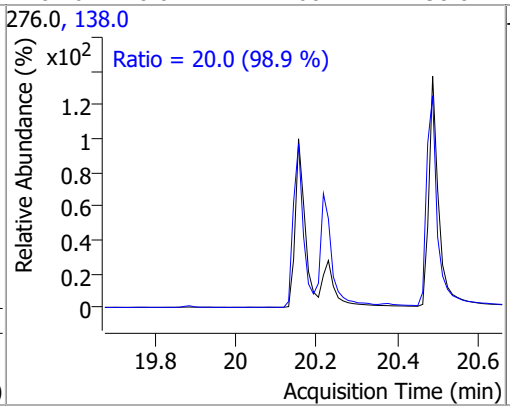


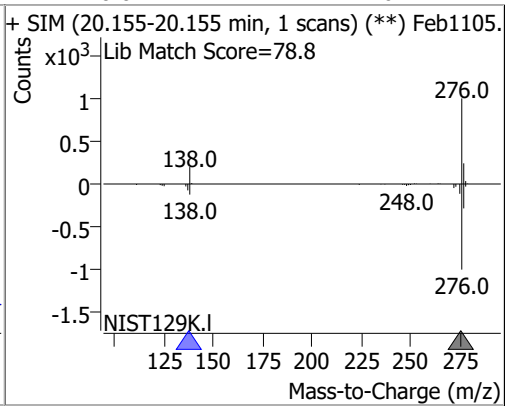




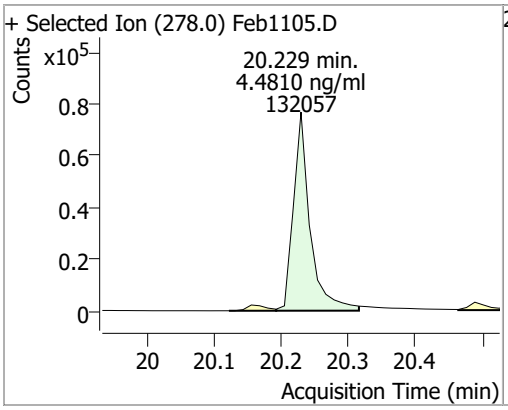
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	4.3217	20.16	-0.01	111604	138.0	20.0	14.1	26.2

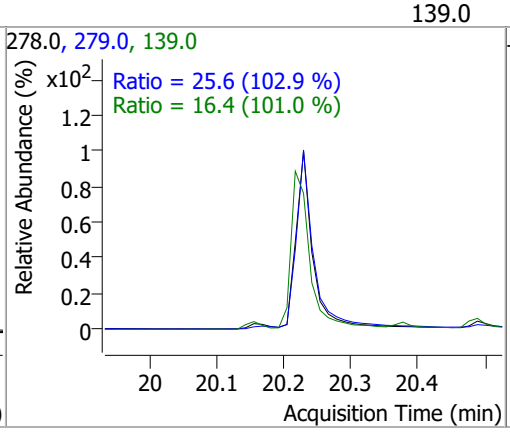


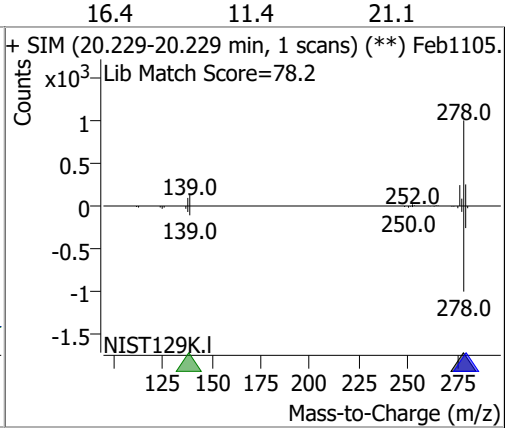




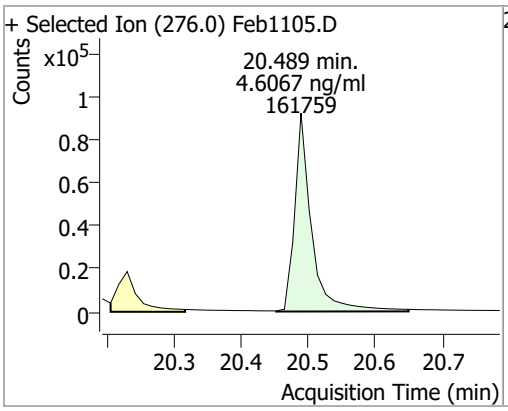
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	4.4810	20.23	0.00	132057	279.0	25.6	17.4	32.4
					139.0	16.4	11.4	21.1

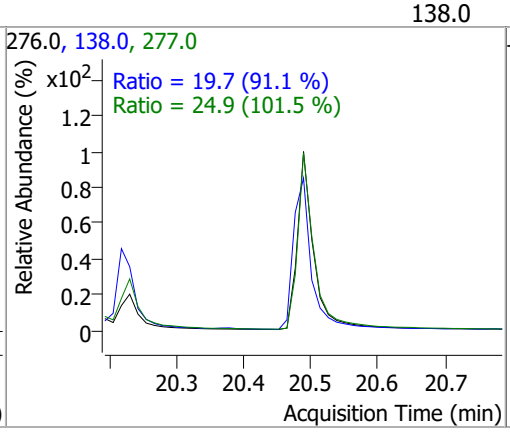


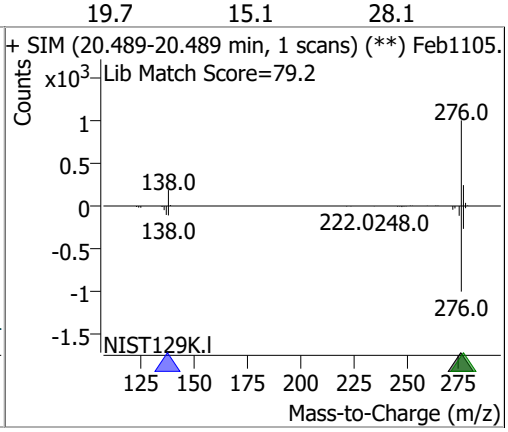




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	4.6067	20.49	0.00	161759	277.0	24.9	17.2	31.9
					138.0	19.7	15.1	28.1

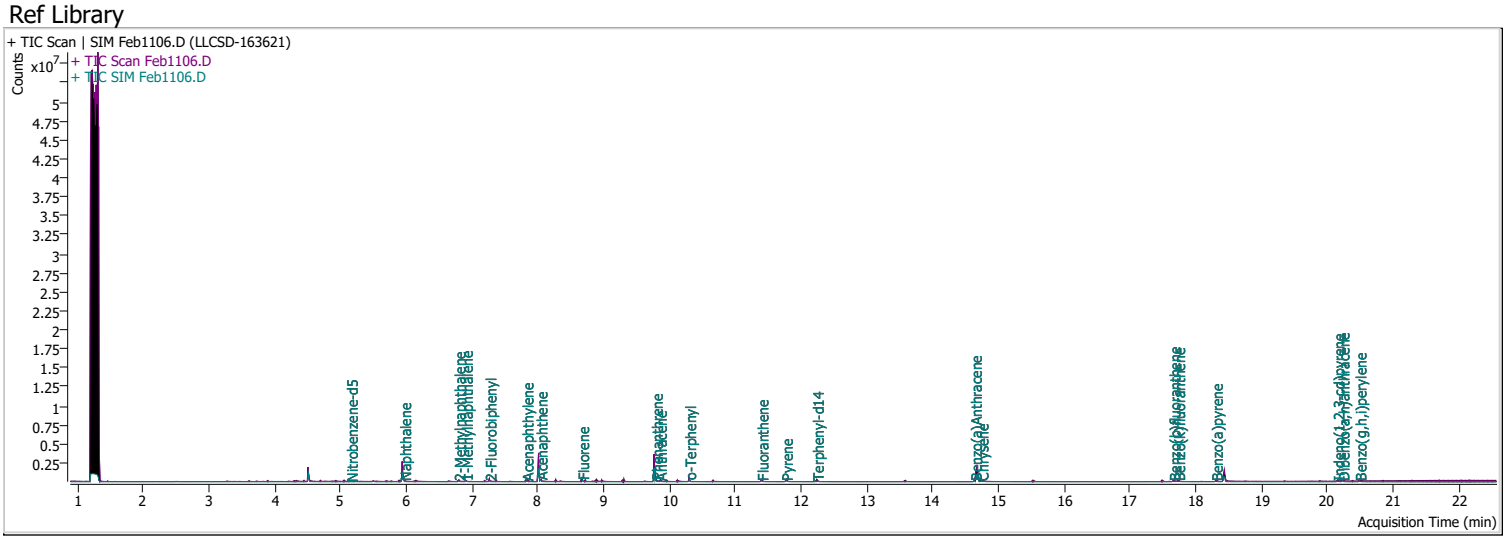






Quantitation Results Report (QT Reviewed)

Data File	Feb1106.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 5:28:59 PM
Sample Name	LLCSD-163621	Instrument	GCMS
Vial	6	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			

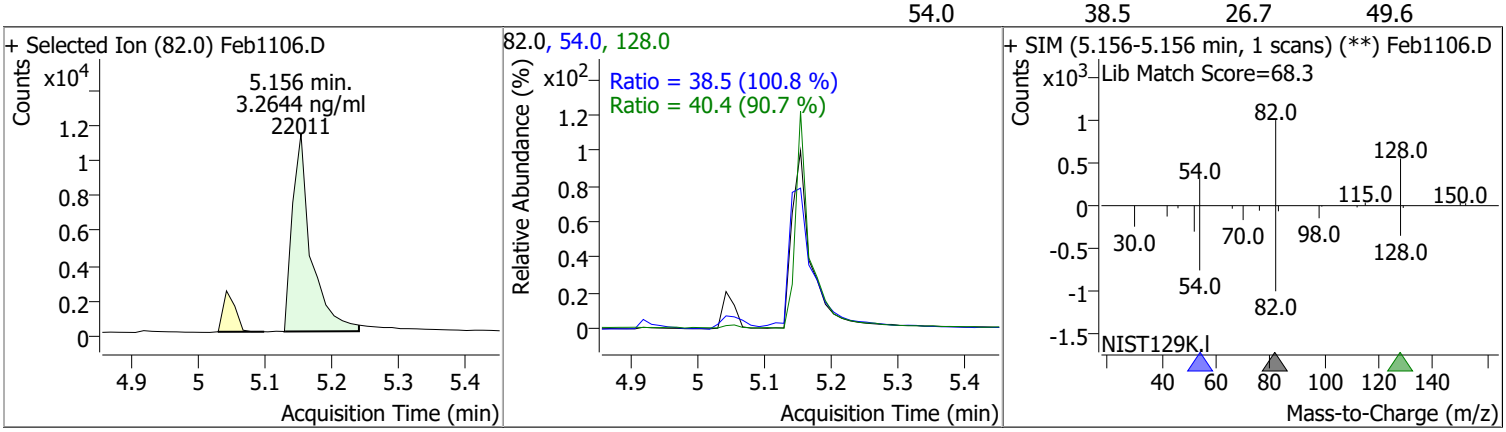


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1,4-Dichlorobenzene-d4	4.509	152.0	338240	40.0000	ng/ml	0.000
M Naphthalene-d8	5.941	136.0	1239063	40.0000	ng/ml	0.000
M Acenaphthene-d10	8.000	164.0	867393	40.0000	ng/ml	-0.013
M Phenanthrene-d10	9.768	188.0	1653383	40.0000	ng/ml	0.000
M Chrysene-d12	14.677	240.0	1311744	40.0000	ng/ml	0.000
M Perylene-d12	18.425	264.0	847329	40.0000	ng/ml	0.000
System Monitoring Compounds						
S Nitrobenzene-d5	5.156	82.0	22011	3.2644	ng/ml	0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 65.29%		
S 2-Fluorobiphenyl	7.264	172.0	95253	3.5172	ng/ml	0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 70.34%		
S o-Terphenyl	10.299	230.0	103666	4.0776	ng/ml	0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 81.55%		
S Terphenyl-d14	12.238	244.0	133616	4.7936	ng/ml	0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 95.87%		
Target Compounds						**QValue**
T Naphthalene	5.966	128.0	87522	2.6221	ng/ml	92
T 2-Methylnaphthalene	6.790	141.0	57158	2.8166	ng/ml	93
T 1-Methylnaphthalene	6.902	141.0	57290	2.6989	ng/ml	97
T Acenaphthylene	7.826	152.0	108598	3.2660	ng/ml	99
T Acenaphthene	8.038	154.0	83201	3.5144	ng/ml	99
T Fluorene	8.673	166.0	100512	3.5420	ng/ml	84
T Phenanthrene	9.793	178.0	178610	4.0800	ng/ml	100
T Anthracene	9.854	178.0	154114	4.2951	ng/ml	99
T Fluoranthene	11.398	202.0	184736	4.4254	ng/ml	97
T Pyrene	11.769	202.0	196441	4.4596	ng/ml	100
T Benzo(a)Anthracene	14.639	228.0	155152	5.0643	ng/ml	98
T Chrysene	14.739	228.0	198251	4.7014	ng/ml	97
T Benzo(b)fluoranthene	17.659	252.0	138490	4.5853	ng/ml	97

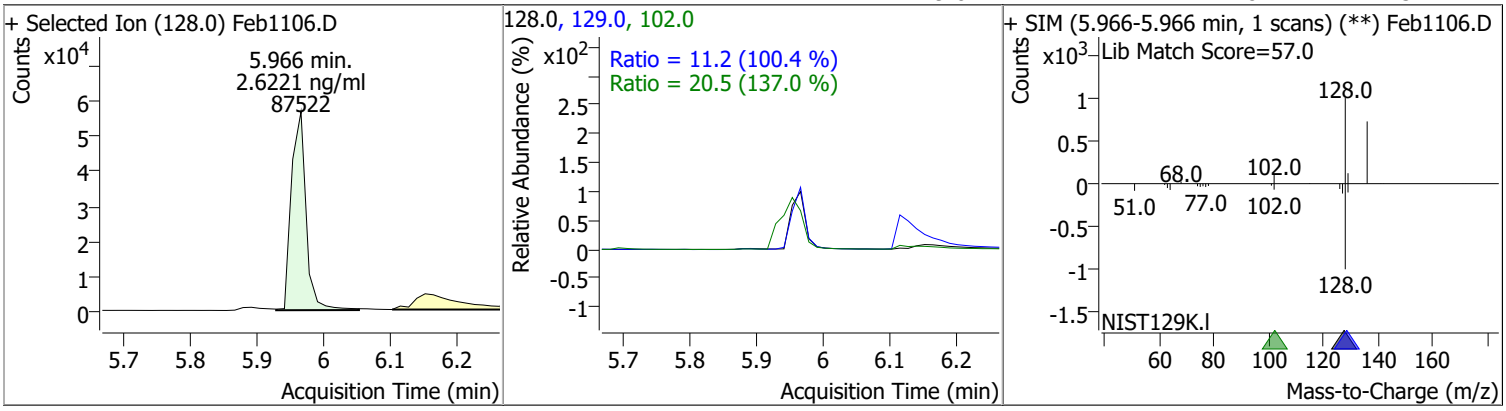
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.733	252.0	143541	4.3022	ng/ml	98
T Benzo(a)pyrene	18.302	252.0	114480	4.4067	ng/ml	99
T Indeno(1,2,3-cd)pyrene	20.155	276.0	107483	4.5861	ng/ml	99
T Dibenzo(a,h)anthracene	20.229	278.0	123550	4.6268	ng/ml	97
T Benzo(g,h,i)perylene	20.489	276.0	154302	4.8481	ng/ml	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

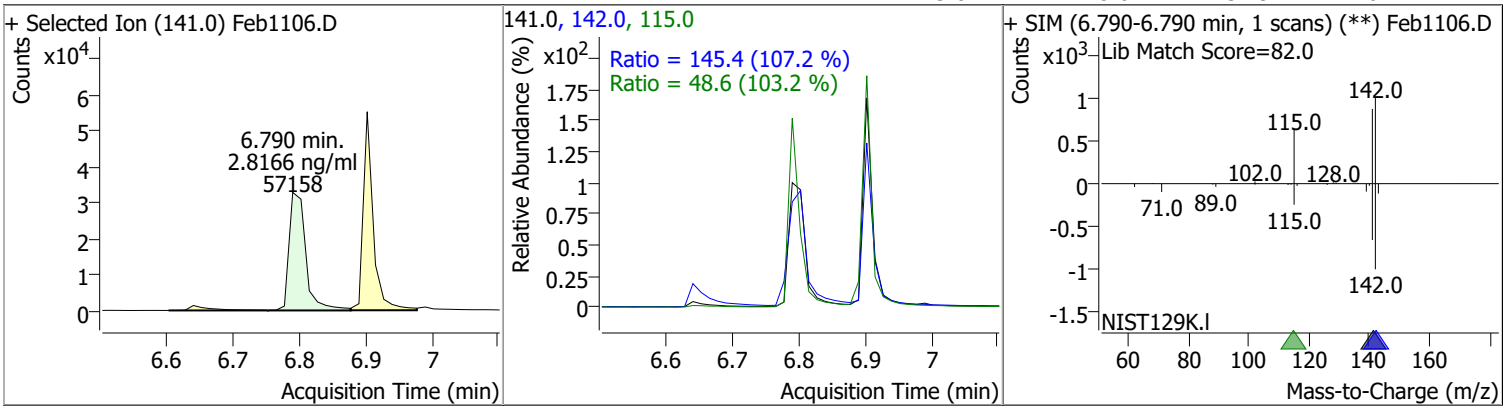
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.2644	5.16	0.00	22011	128.0	40.4	31.2	57.9
					54.0	38.5	26.7	49.6



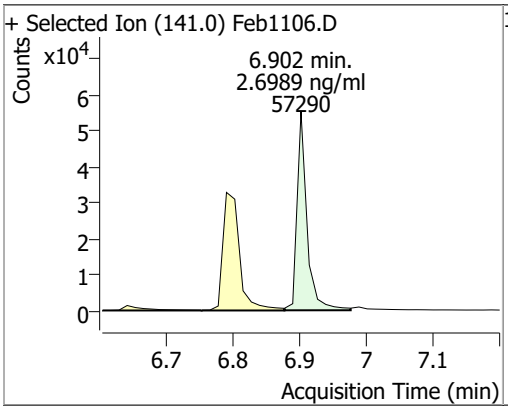
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	2.6221	5.97	0.00	87522	102.0	20.5	0.0	45.0
					129.0	11.2	7.8	14.5

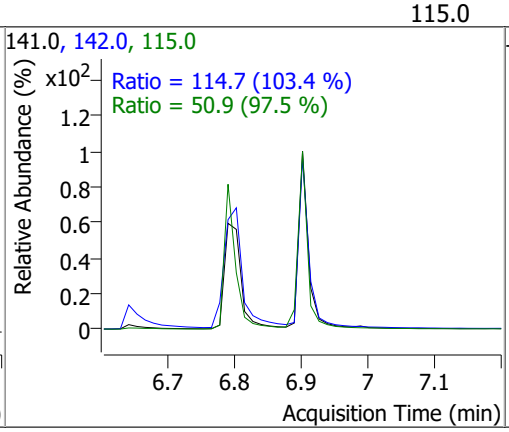


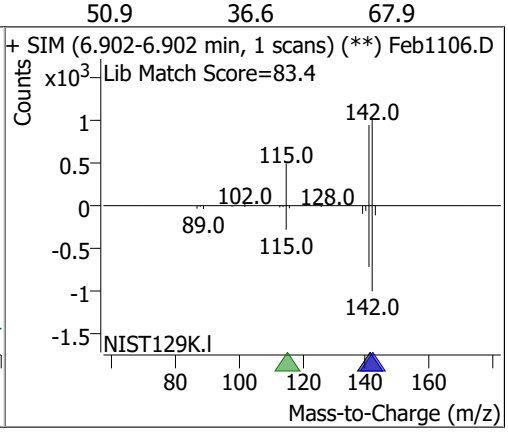
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	2.8166	6.79	-0.01	57158	142.0	145.4	95.0	176.4
					115.0	48.6	32.9	61.2



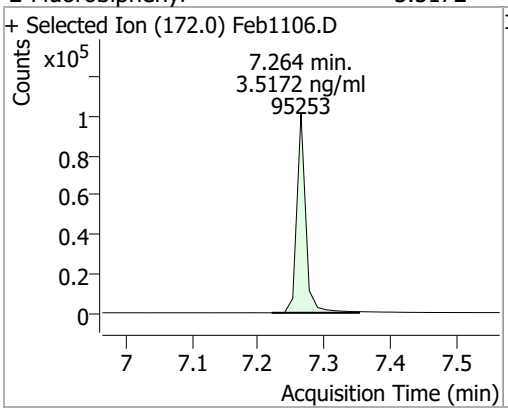
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.6989	6.90	0.00	57290	142.0	114.7	77.7	144.2
					115.0	50.9	36.6	67.9

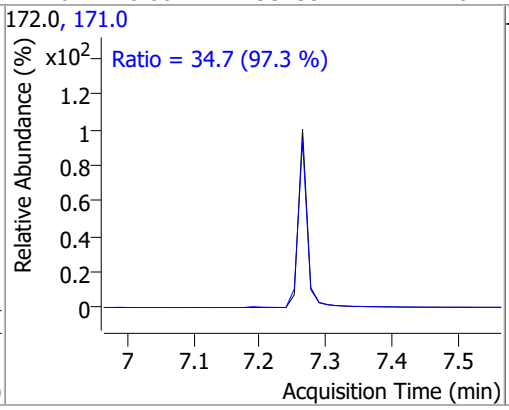


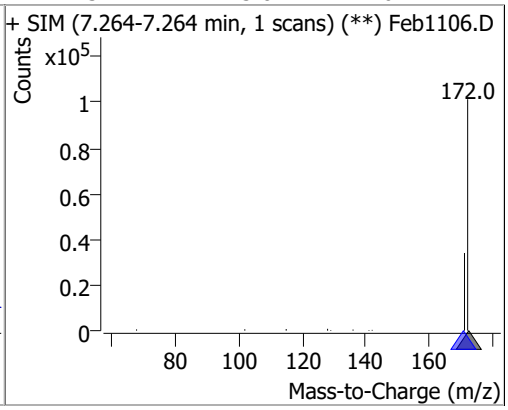




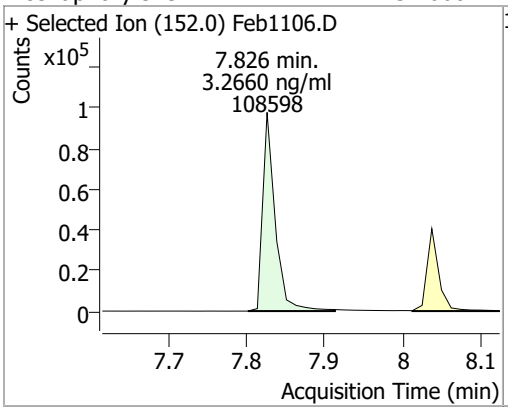
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.5172	7.26	0.00	95253	171.0	34.7	25.0	46.4

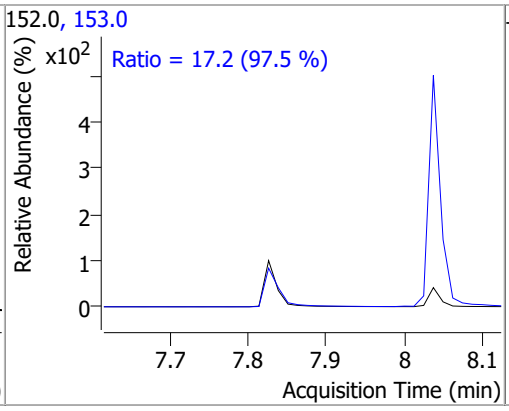


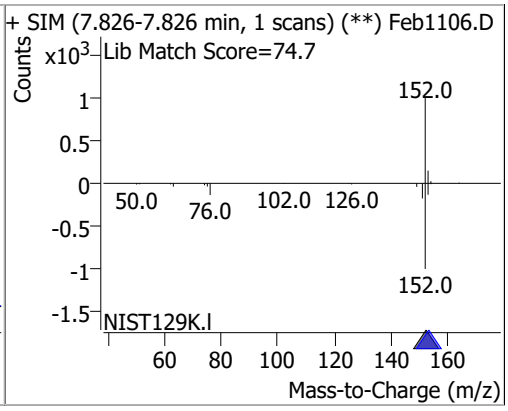




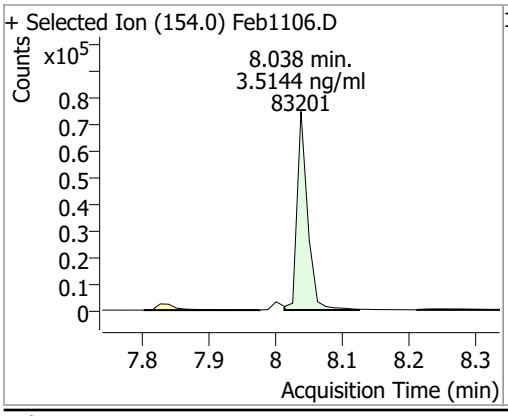
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	3.2660	7.83	0.00	108598	153.0	17.2	12.3	22.9

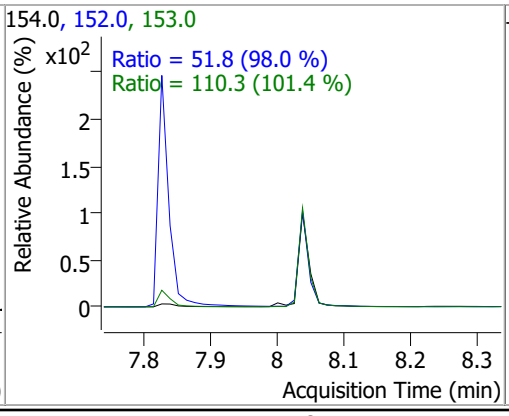


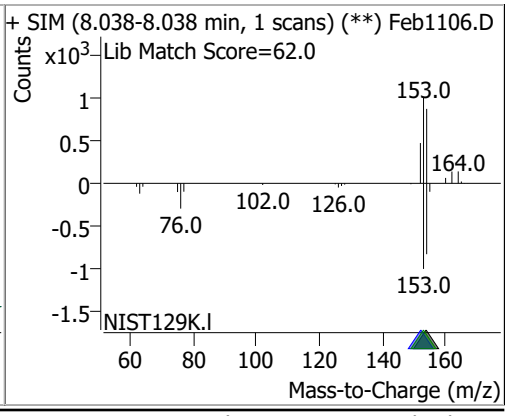




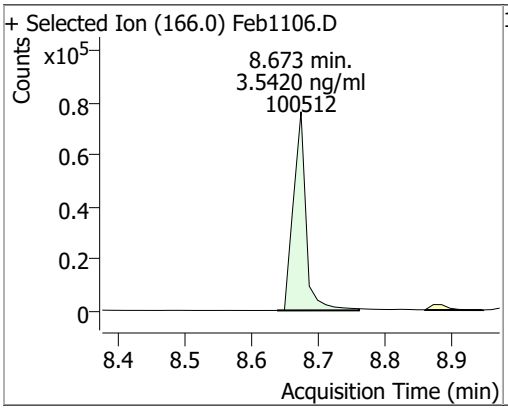
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	3.5144	8.04	0.00	83201	153.0	110.3	76.2	141.5
					152.0	51.8	37.0	68.7

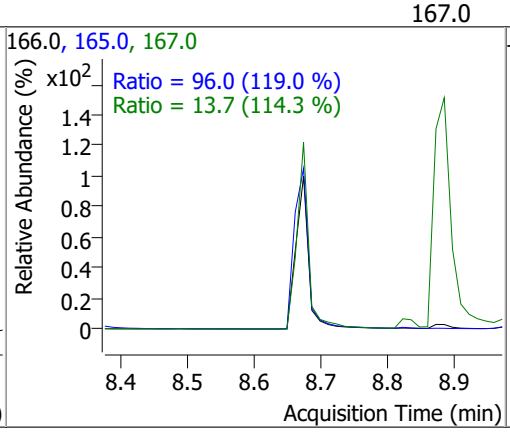


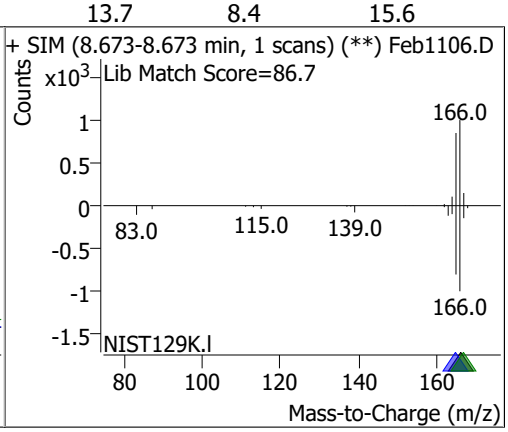




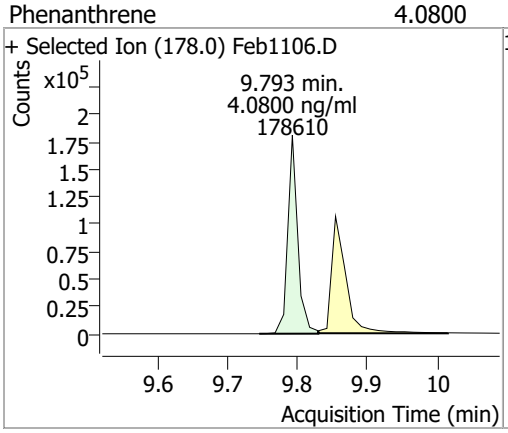
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	3.5420	8.67	0.00	100512	165.0	96.0	56.5	104.9
					167.0	13.7	8.4	15.6

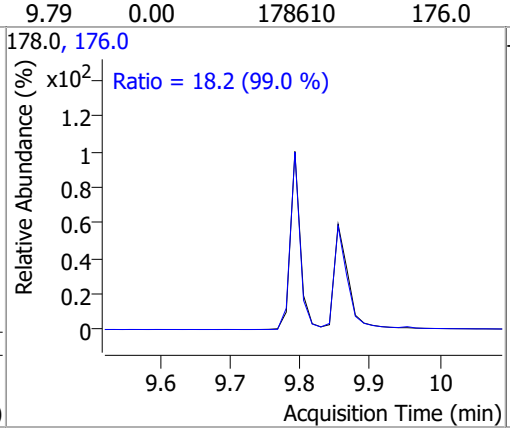


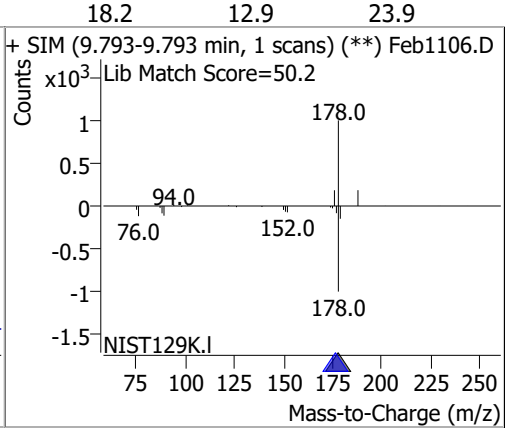




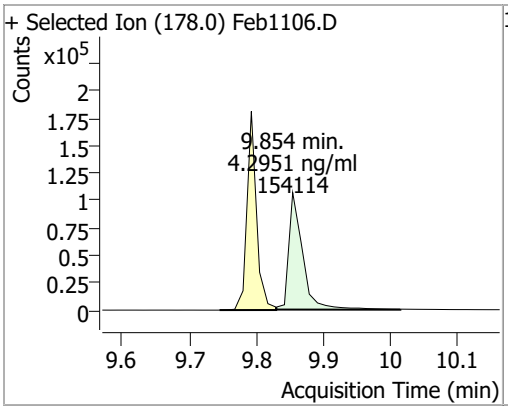
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	4.0800	9.79	0.00	178610	176.0	18.2	12.9	23.9

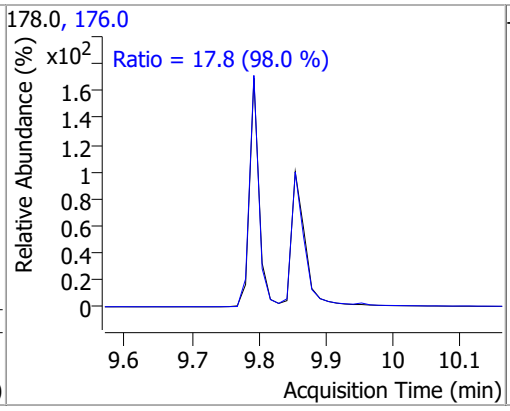


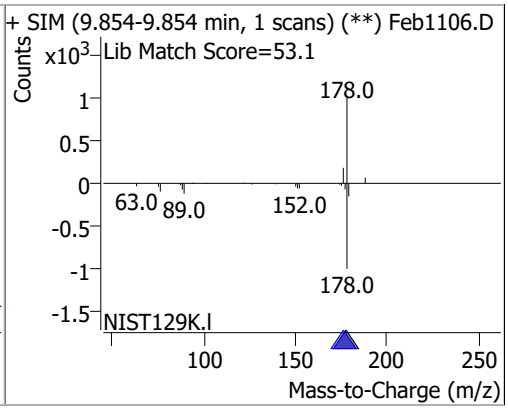




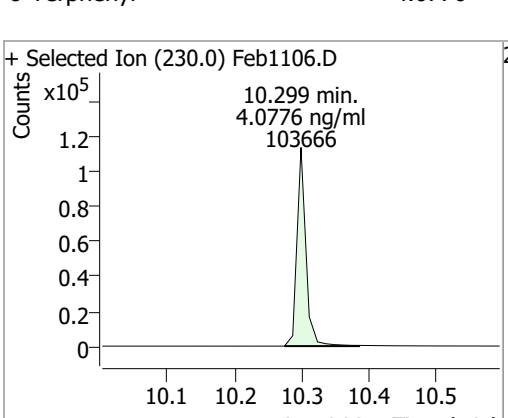
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	4.2951	9.85	-0.01	154114	176.0	17.8	12.7	23.6

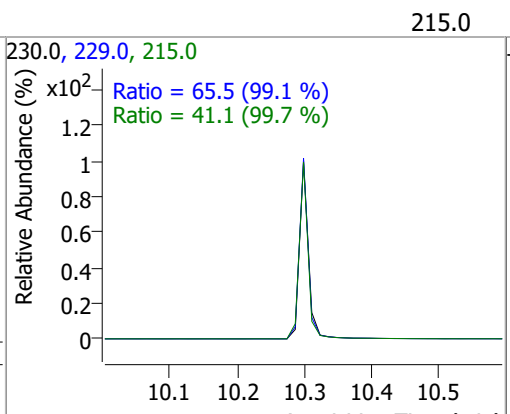


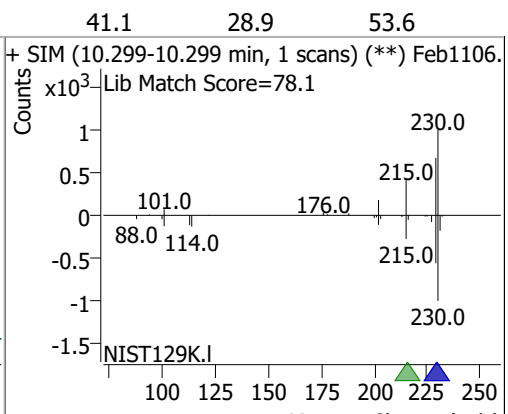




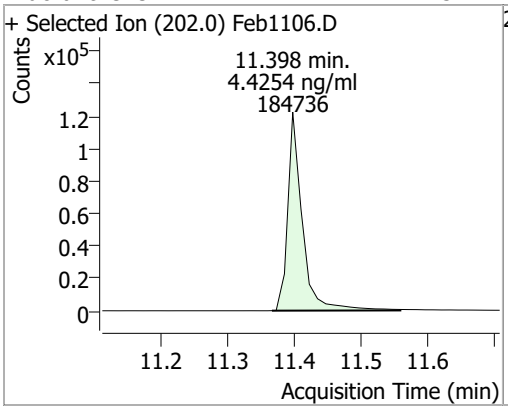
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.0776	10.30	0.00	103666	229.0	65.5	46.3	85.9
					215.0	41.1	28.9	53.6

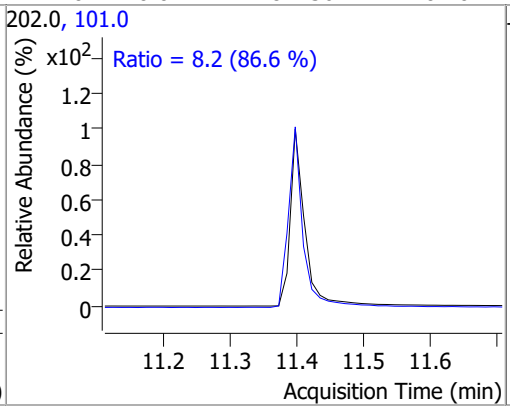


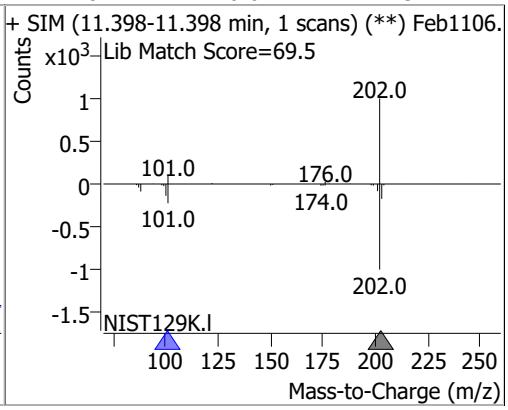




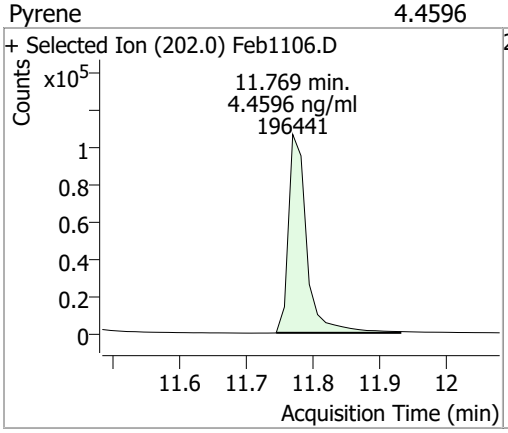
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	4.4254	11.40	-0.01	184736	101.0	8.2	6.6	12.3

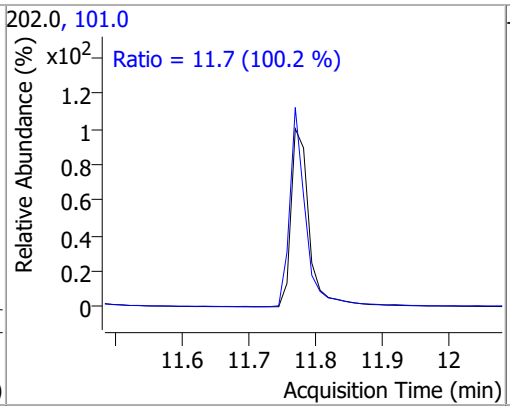


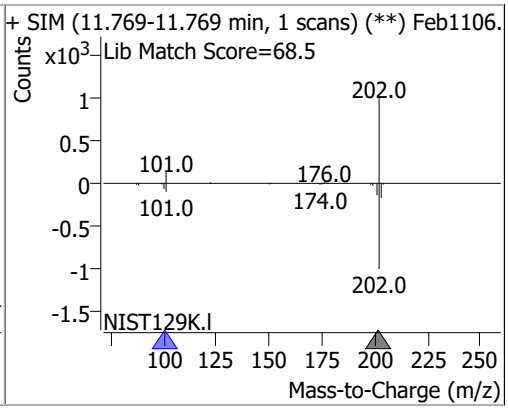




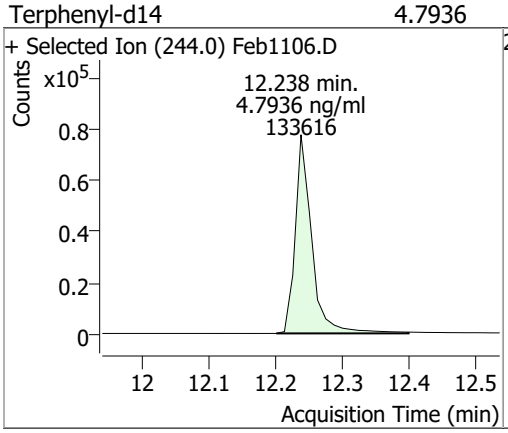
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	4.4596	11.77	-0.01	196441	101.0	11.7	8.2	15.2

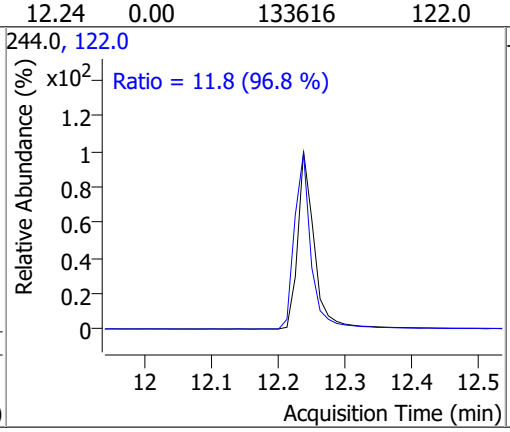


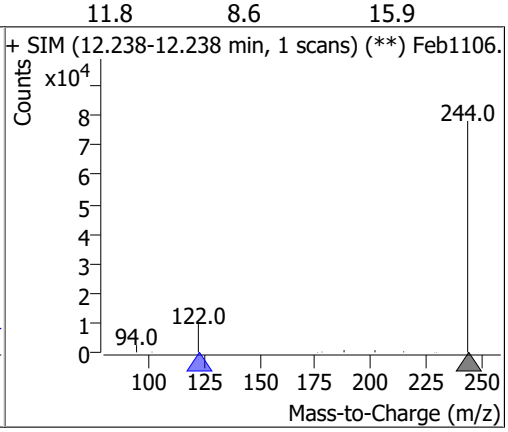




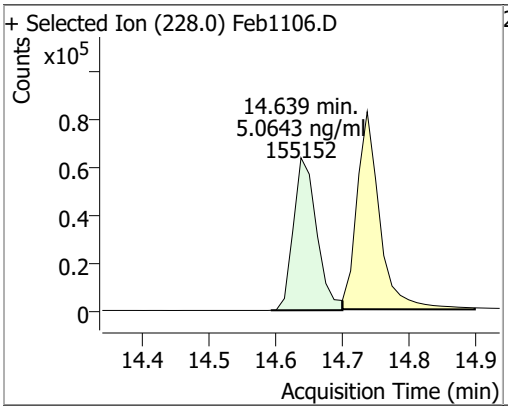
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.7936	12.24	0.00	133616	122.0	11.8	8.6	15.9

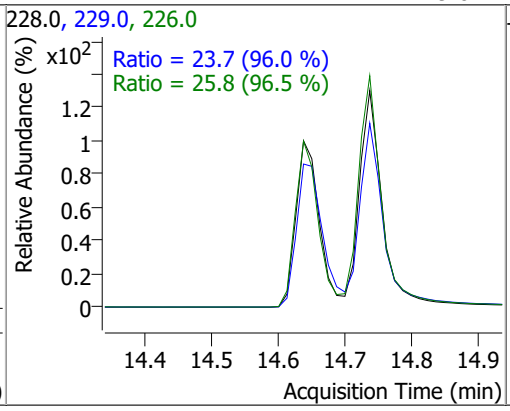


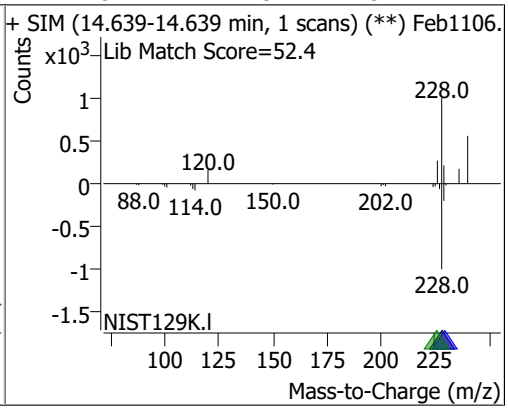




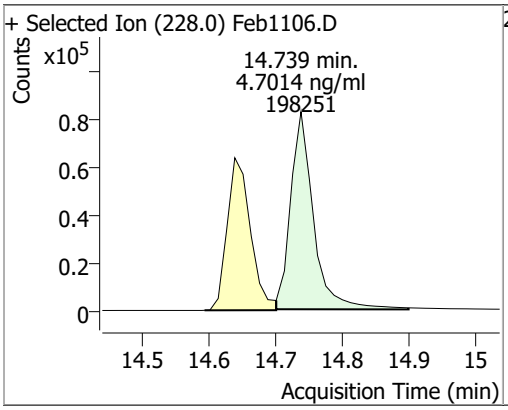
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	5.0643	14.64	0.00	155152	226.0	25.8	18.7	34.8
					229.0	23.7	17.3	32.1

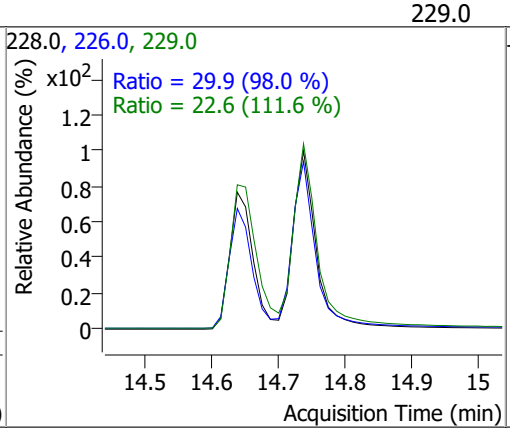


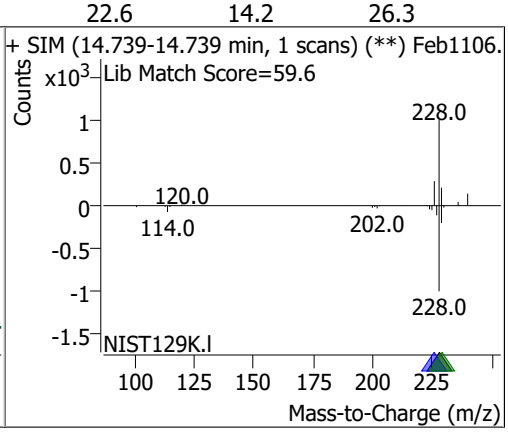




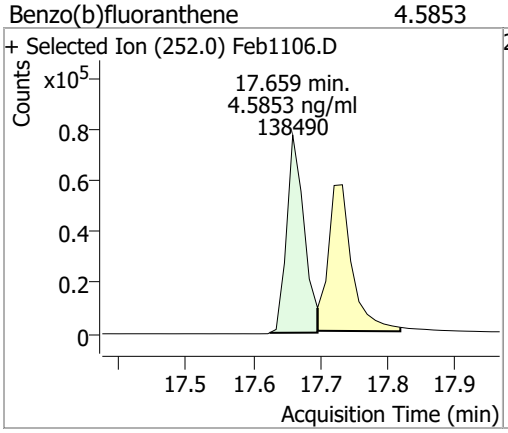
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	4.7014	14.74	0.00	198251	226.0	29.9	21.4	39.7
					229.0	22.6	14.2	26.3

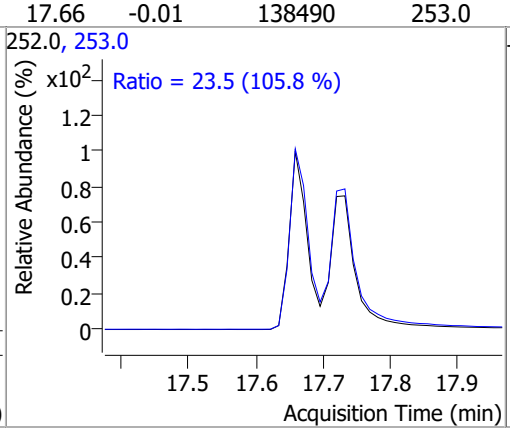


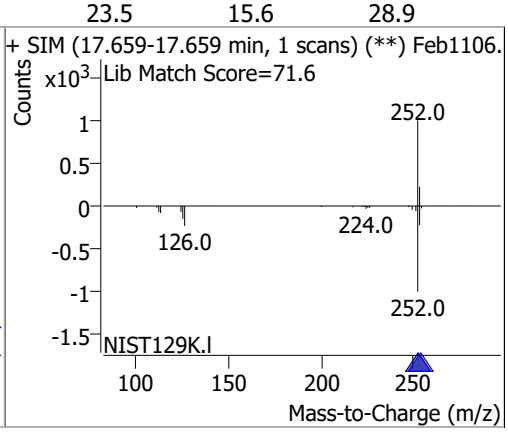




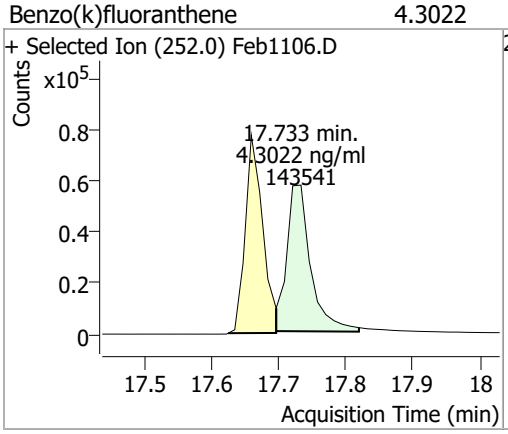
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	4.5853	17.66	-0.01	138490	253.0	23.5	15.6	28.9

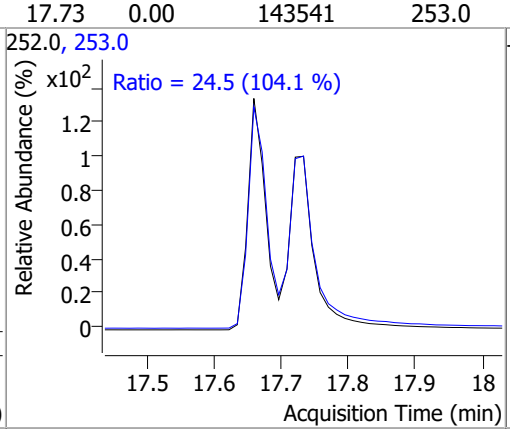


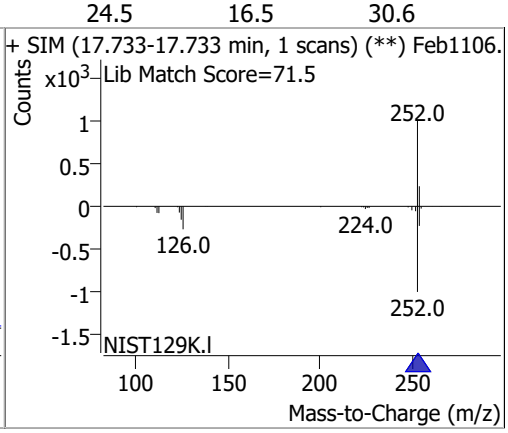




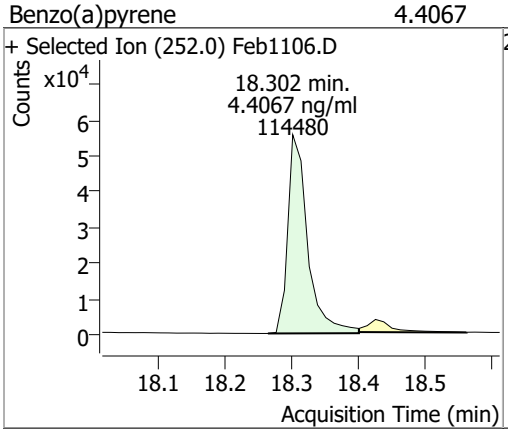
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	4.3022	17.73	0.00	143541	253.0	24.5	16.5	30.6

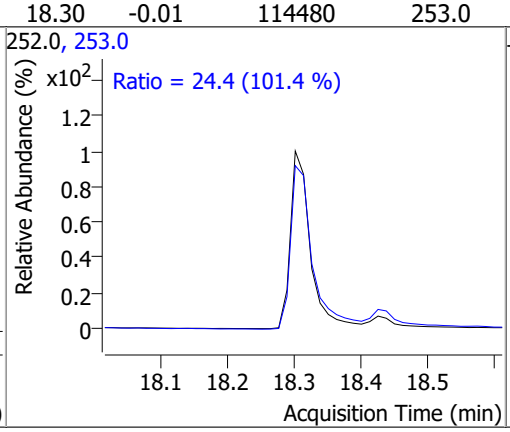


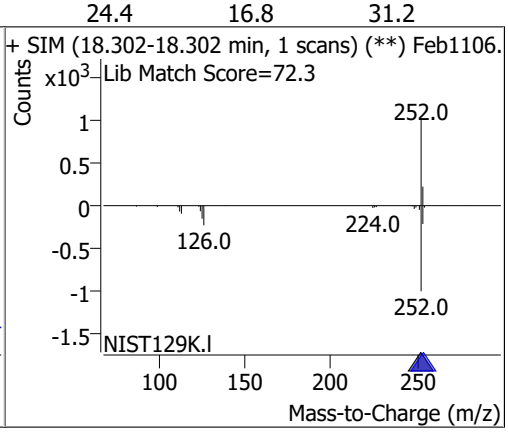




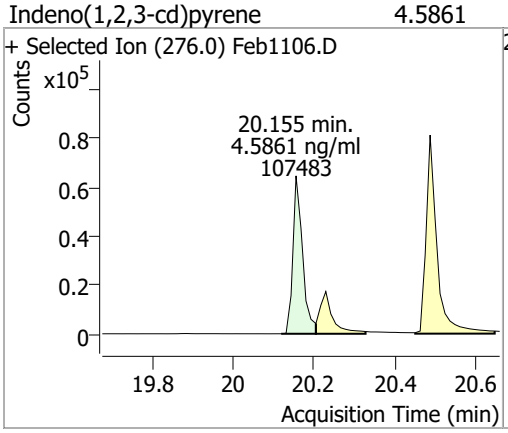
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	4.4067	18.30	-0.01	114480	253.0	24.4	16.8	31.2

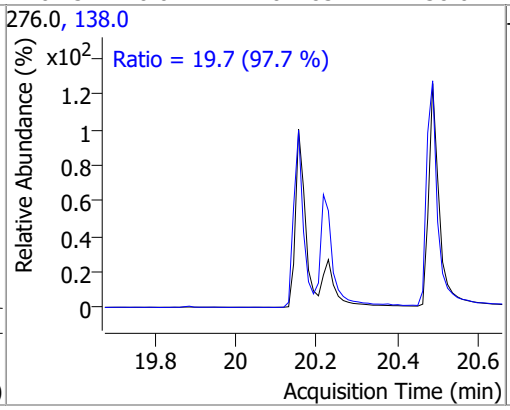


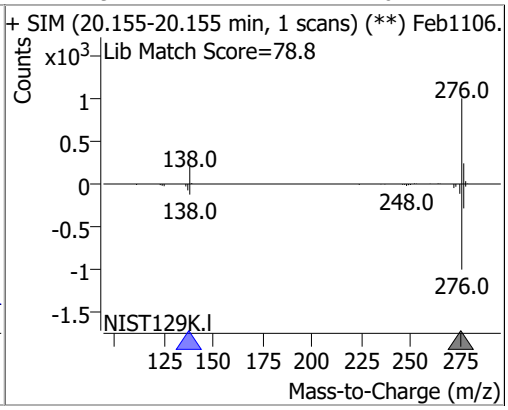




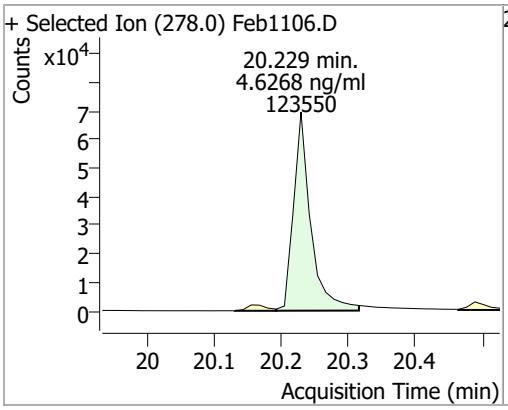
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	4.5861	20.15	-0.01	107483	138.0	19.7	14.1	26.2

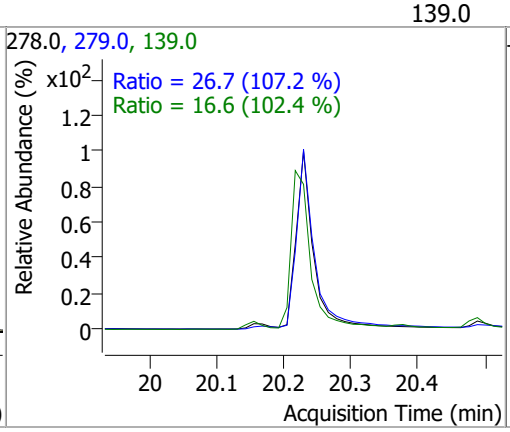


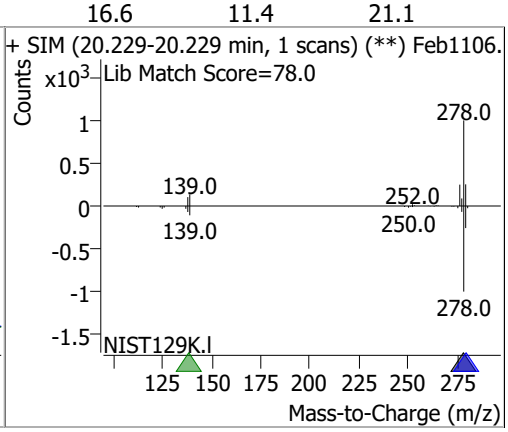




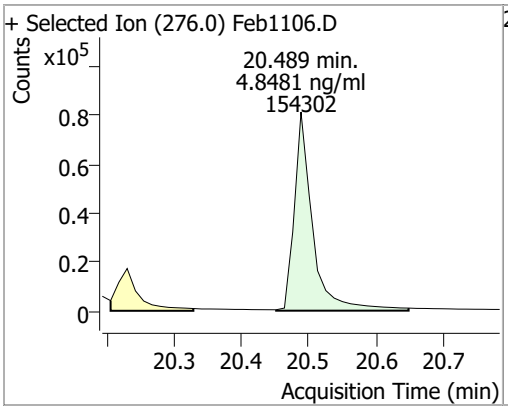
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	4.6268	20.23	0.00	123550	279.0	26.7	17.4	32.4
					139.0	16.6	11.4	21.1

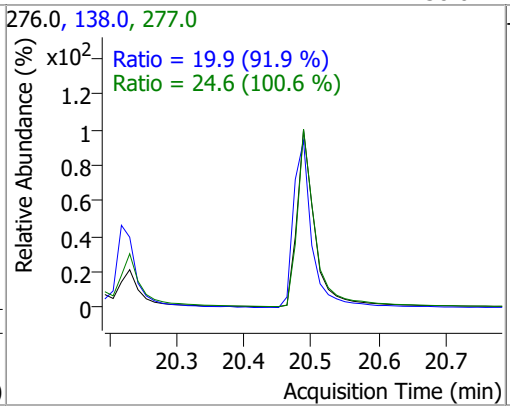


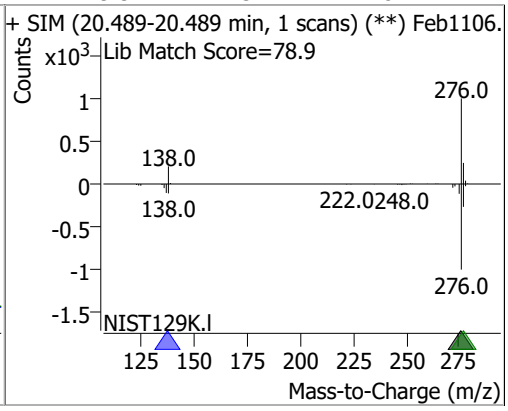




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	4.8481	20.49	0.00	154302	277.0	24.6	17.2	31.9
					138.0	19.9	15.1	28.1

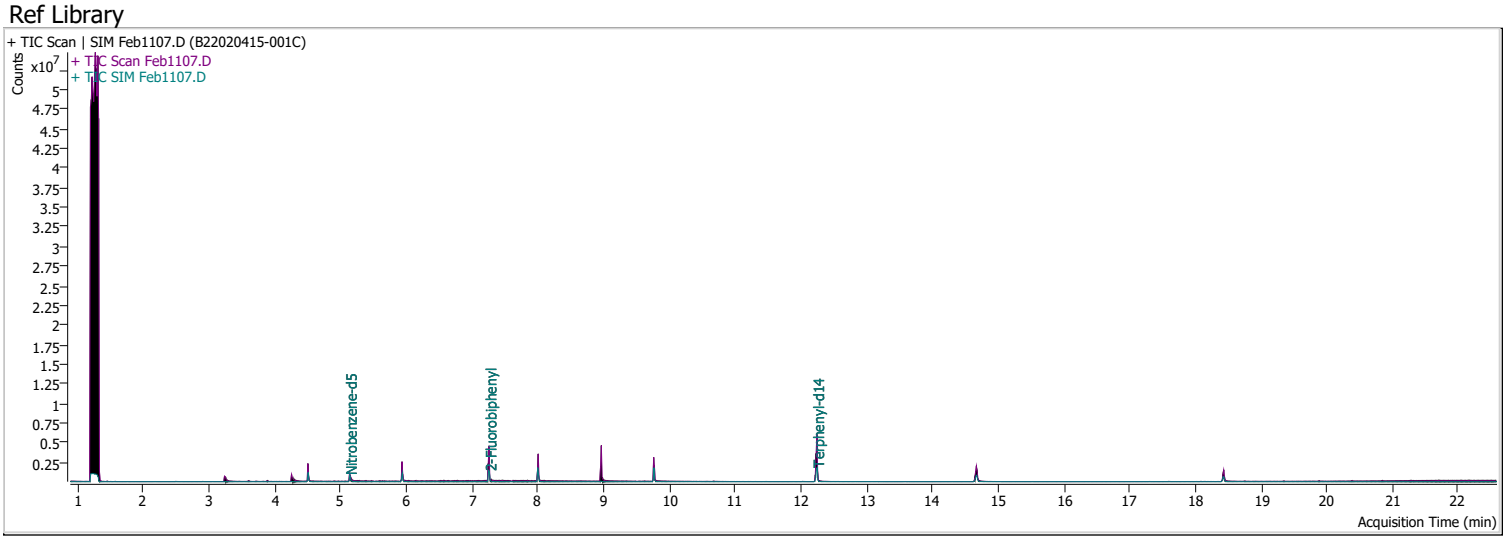






Quantitation Results Report (QT Reviewed)

Data File	Feb1107.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 6:01:37 PM
Sample Name	B22020415-001C	Instrument	GCMS
Vial	7	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			



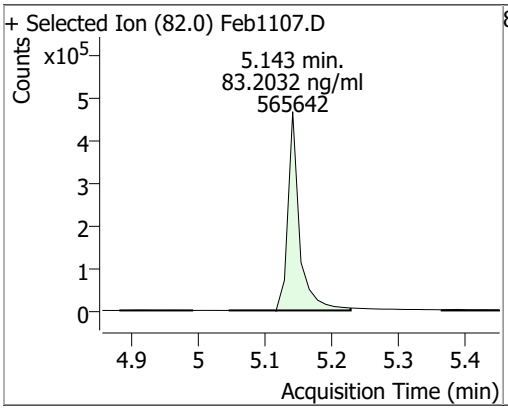
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	341028	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1201749	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	800269	40.0000	ng/ml		-0.013
M Phenanthrene-d10	9.768	188.0	1568643	40.0000	ng/ml		0.000
M Chrysene-d12	14.677	240.0	1257362	40.0000	ng/ml		0.000
M Perylene-d12	18.425	264.0	809585	40.0000	ng/ml		0.000
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	565642	83.2032	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1664.06%		*	
S 2-Fluorobiphenyl	7.264	172.0	1578414	71.1118	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1422.24%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.251	244.0	2635914	63.9159	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1278.32%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.038	154.0	0		ng/ml	md	1
T Fluorene	8.673	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.677	228.0	0		ng/ml	md	1
T Chrysene	14.739	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

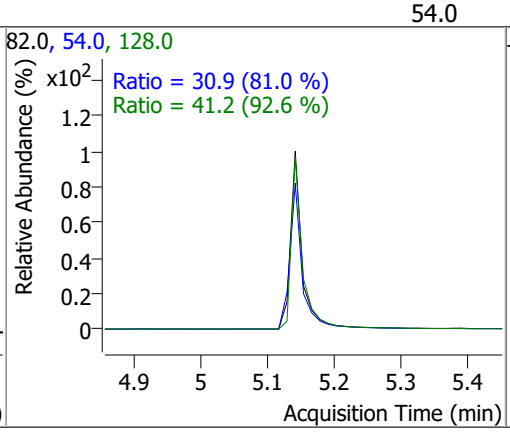
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.425	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

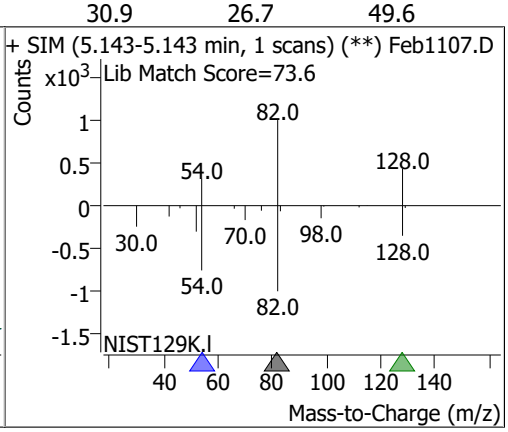
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (QT Reviewed)

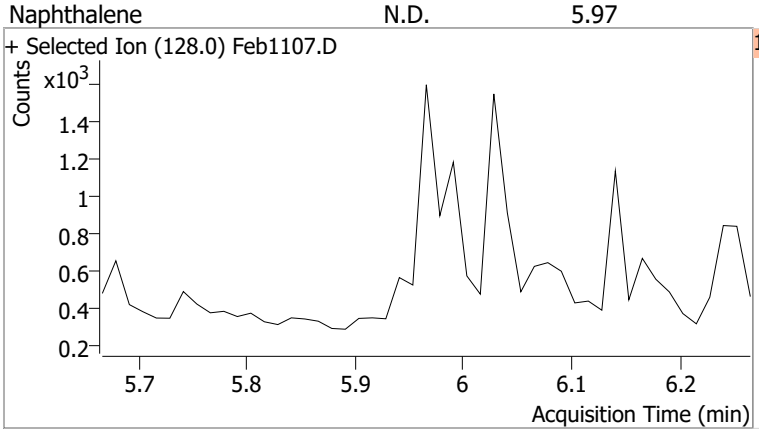
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	83.2032	5.14	-0.01	565642	128.0	41.2	31.2	57.9
					54.0	30.9	26.7	49.6

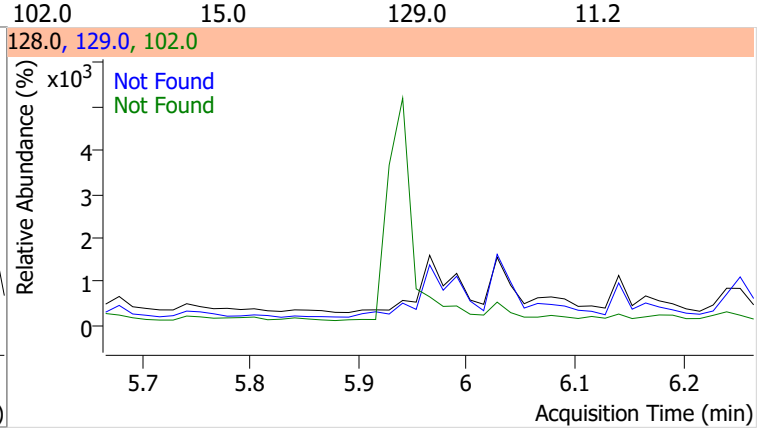




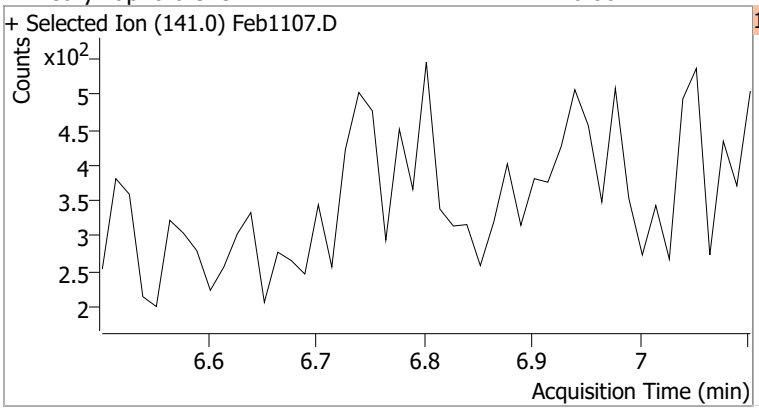


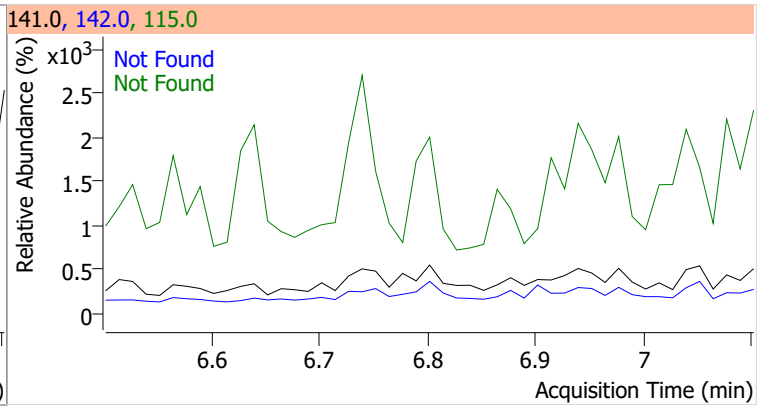
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.97	102.0	15.0	129.0	11.2



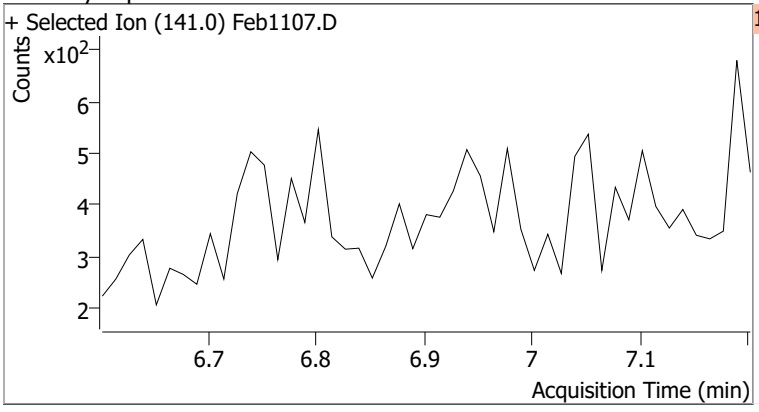


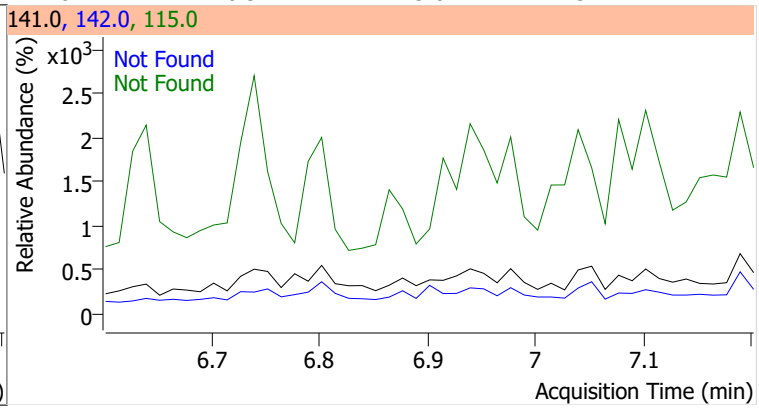
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.80	142.0	135.7	115.0	47.1



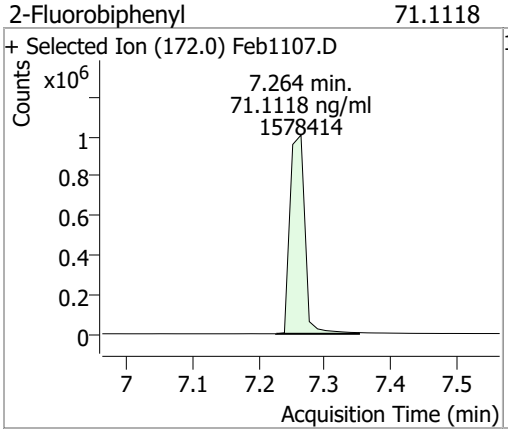


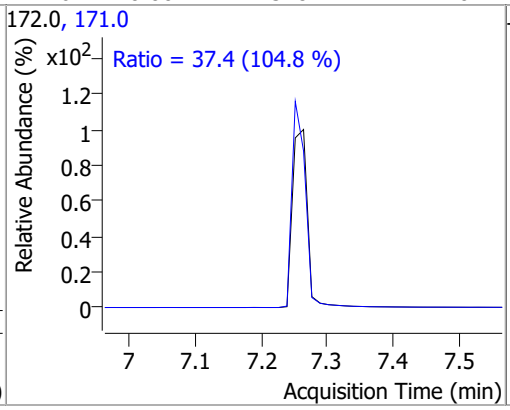
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	110.9	115.0	52.2

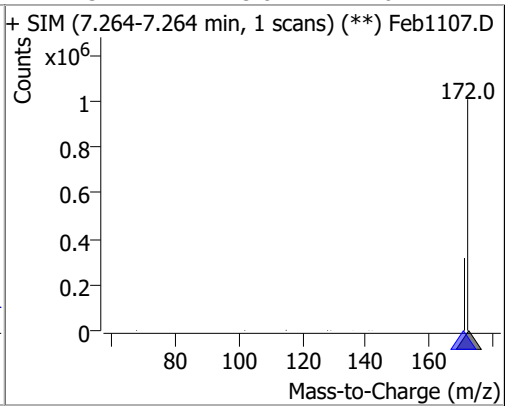




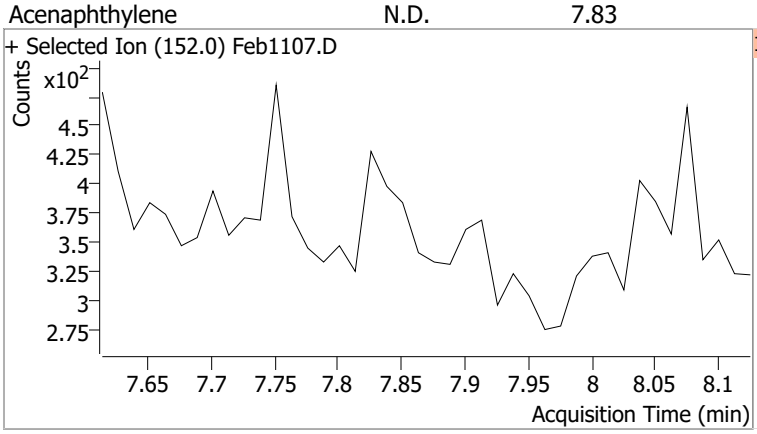
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	71.1118	7.26	0.00	1578414	171.0	37.4	25.0	46.4

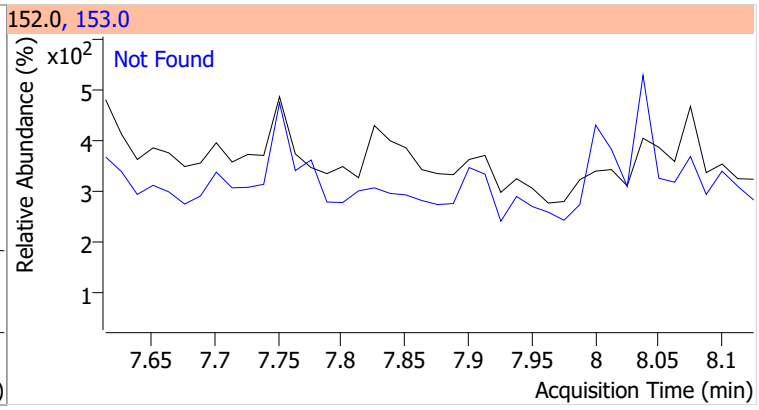




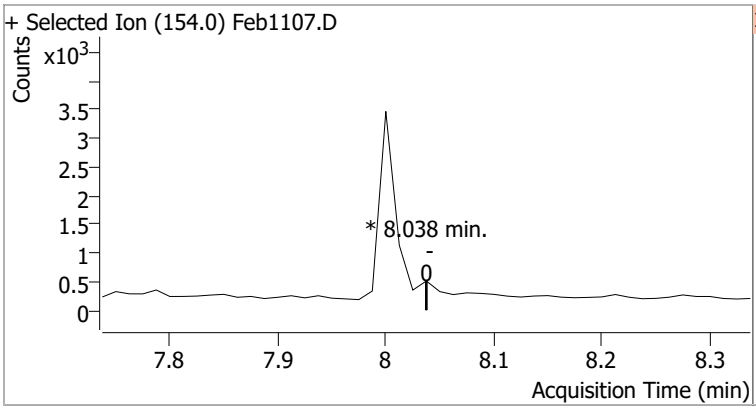


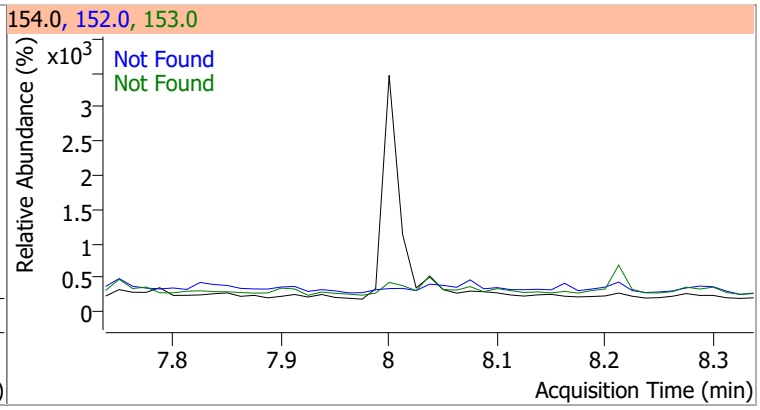
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	17.6



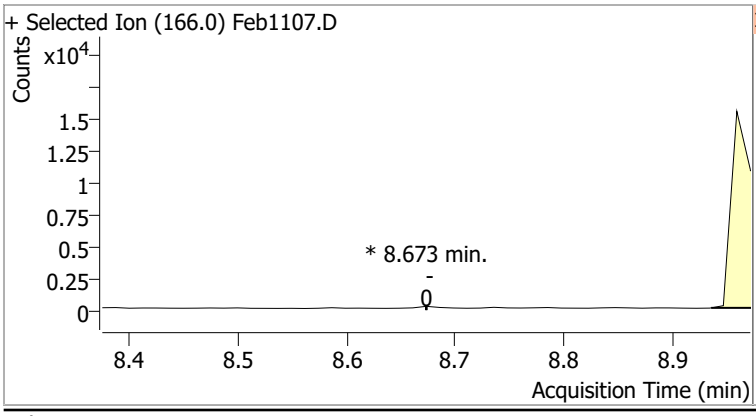


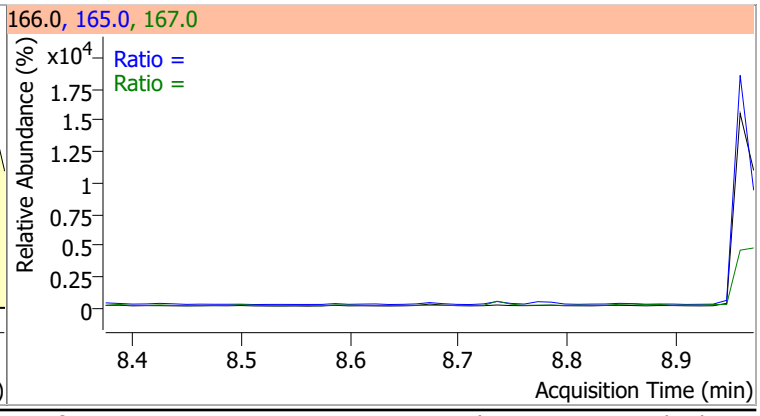
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



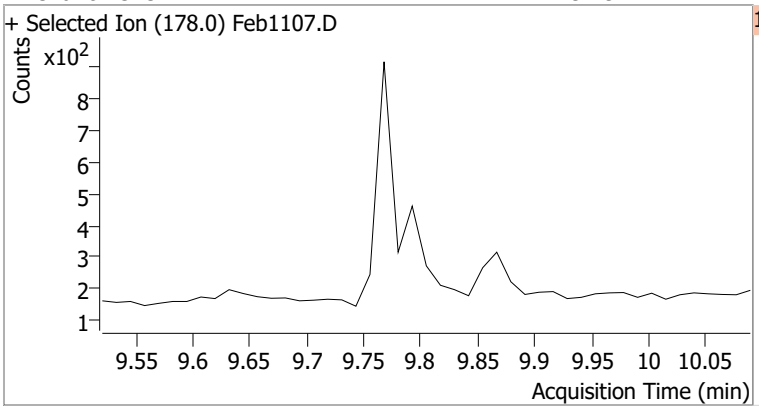


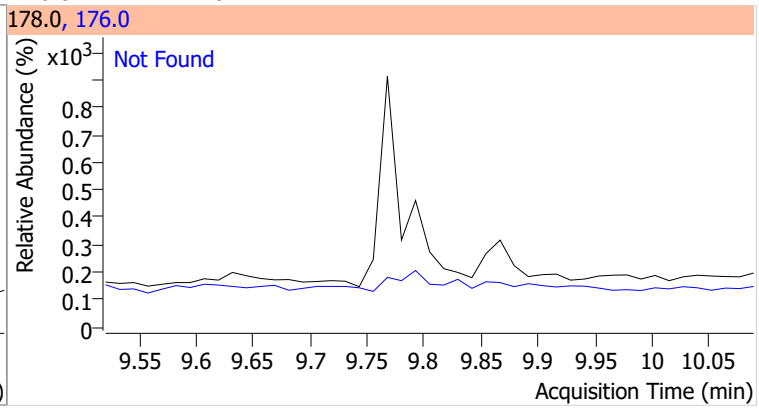
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



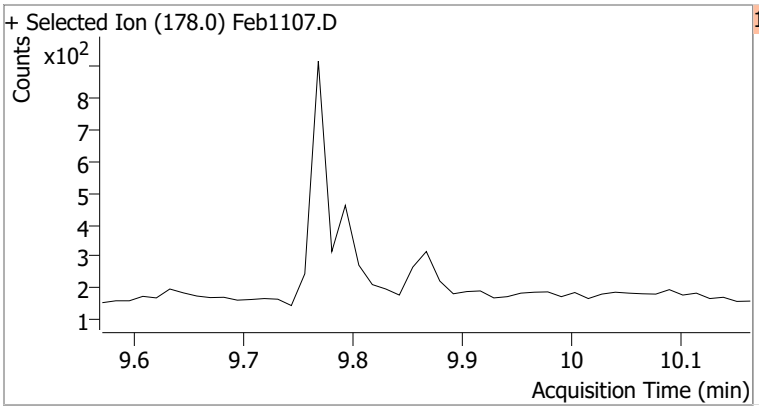


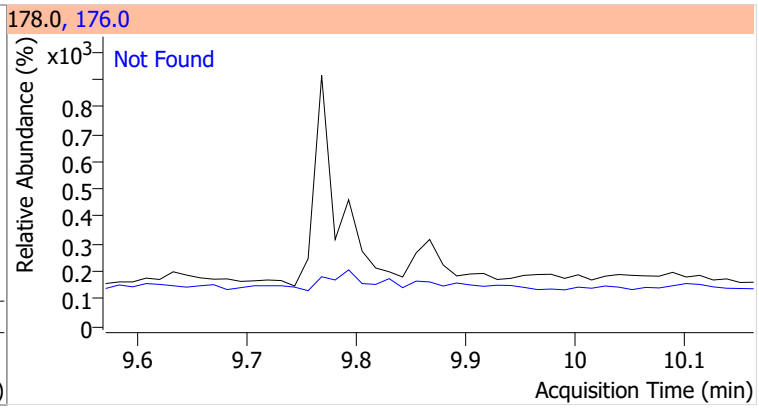
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.4



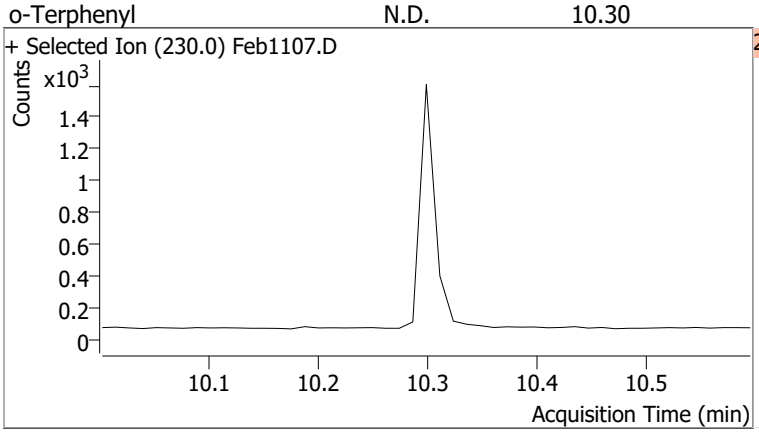


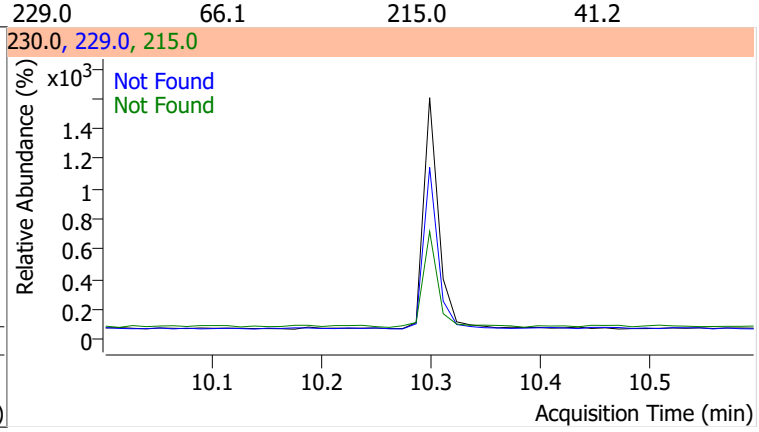
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.87	176.0	18.1



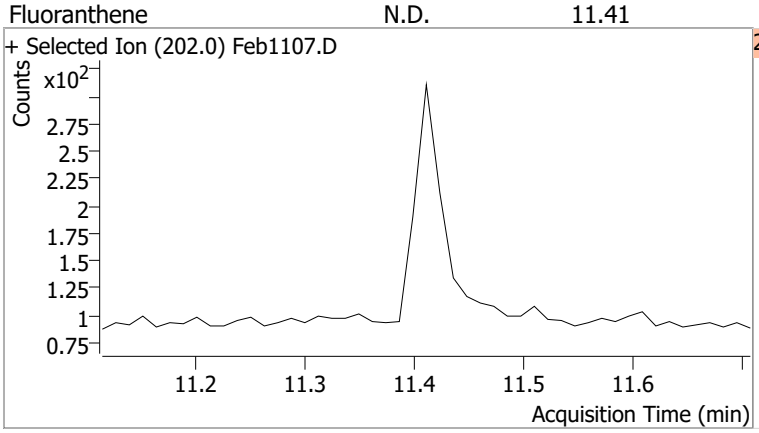


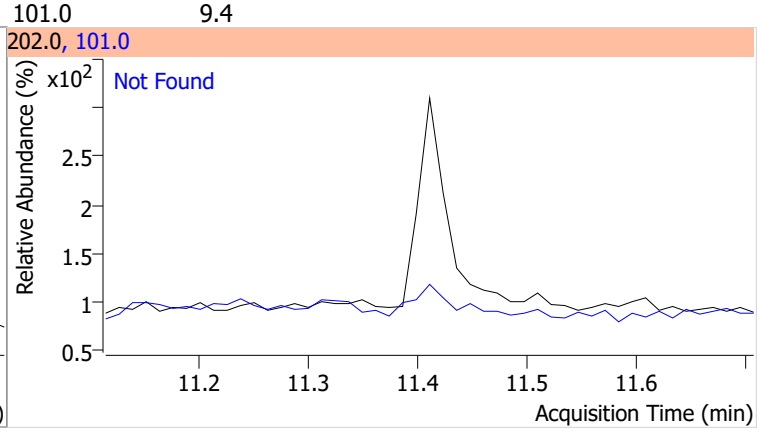
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.30	229.0	66.1	215.0	41.2



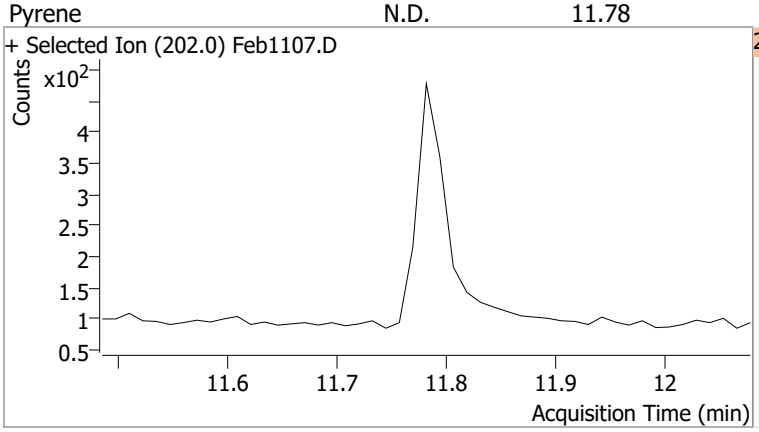


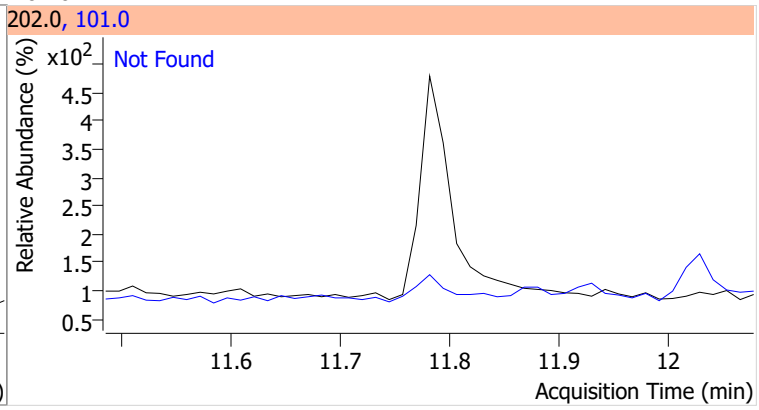
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.41	101.0	9.4



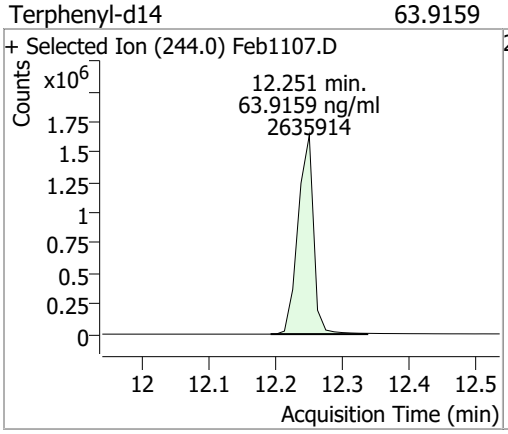


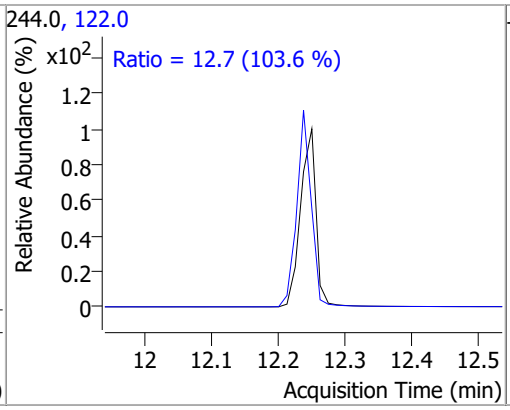
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.78	101.0	11.7

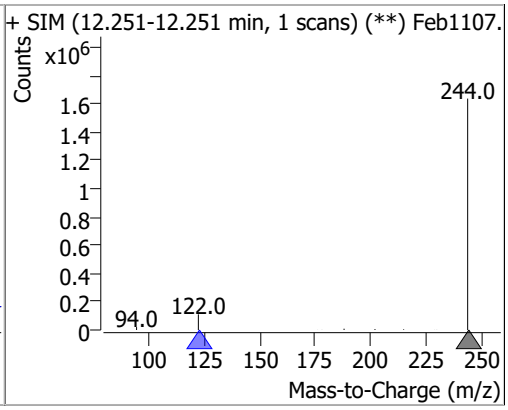




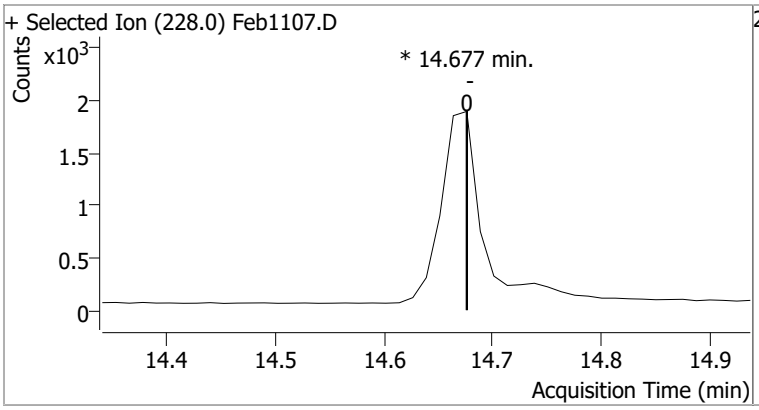
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	63.9159	12.25	0.01	2635914	122.0	12.7	8.6	15.9

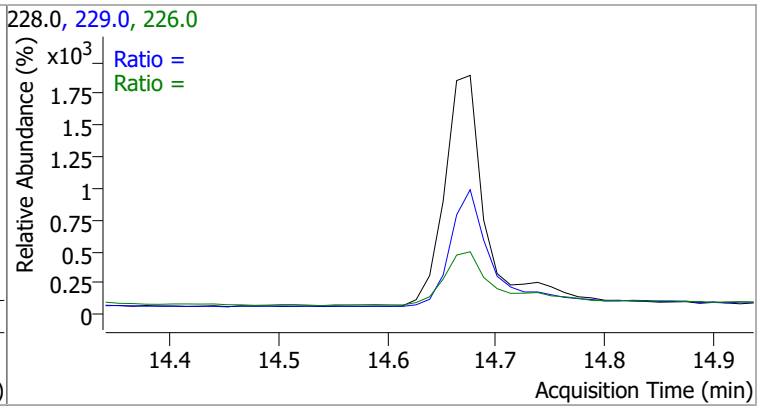




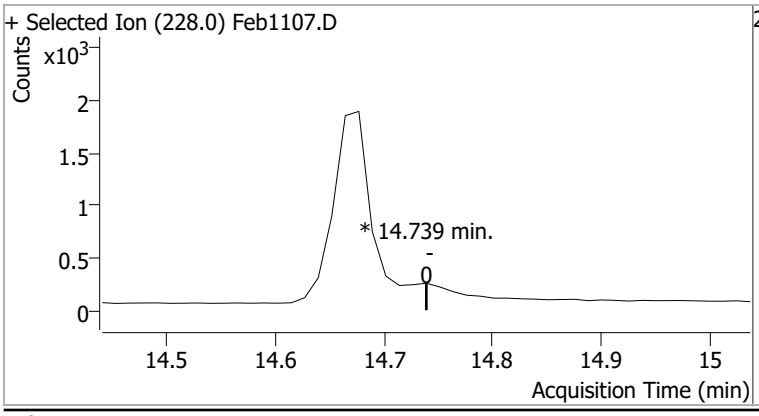


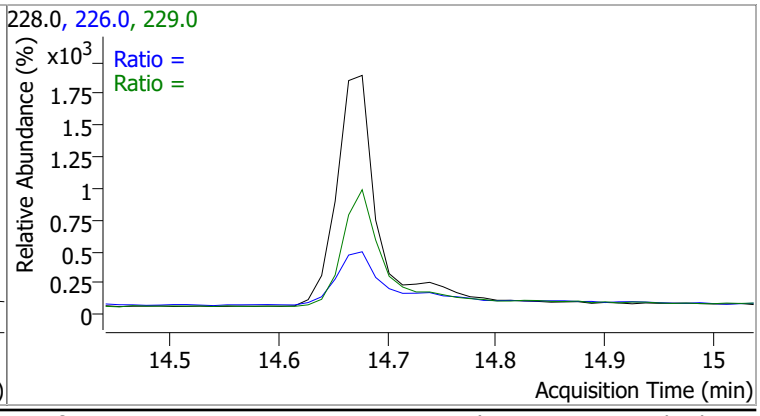
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



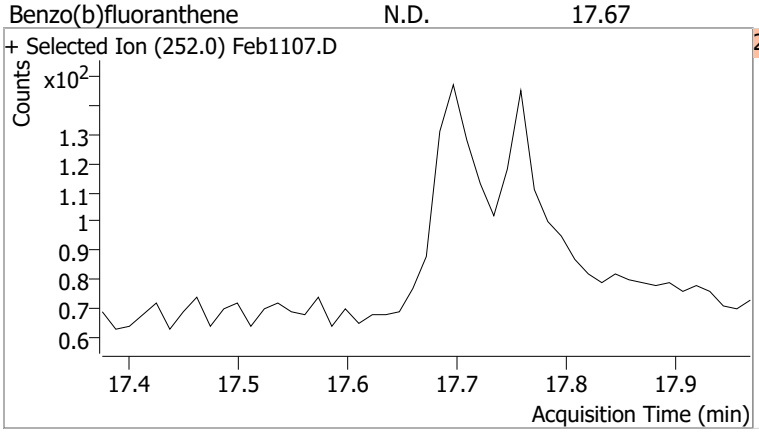


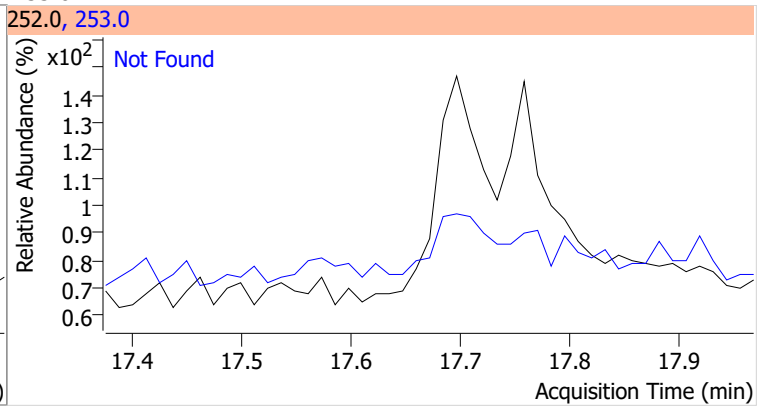
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



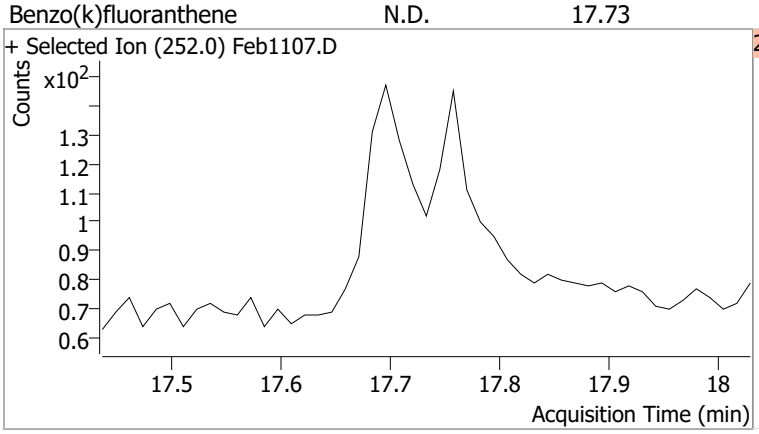


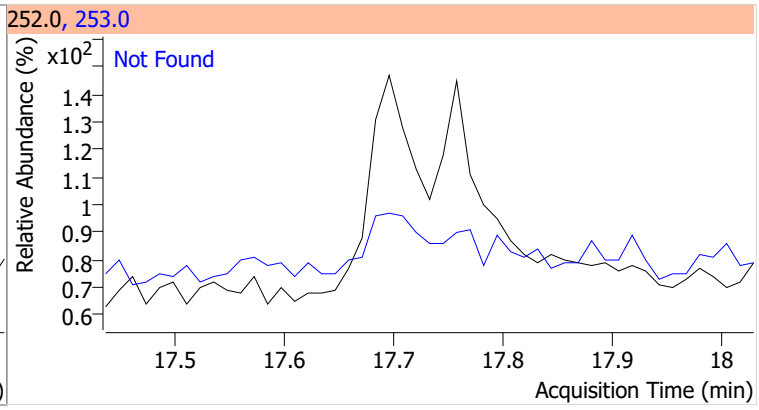
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.67	253.0	22.2



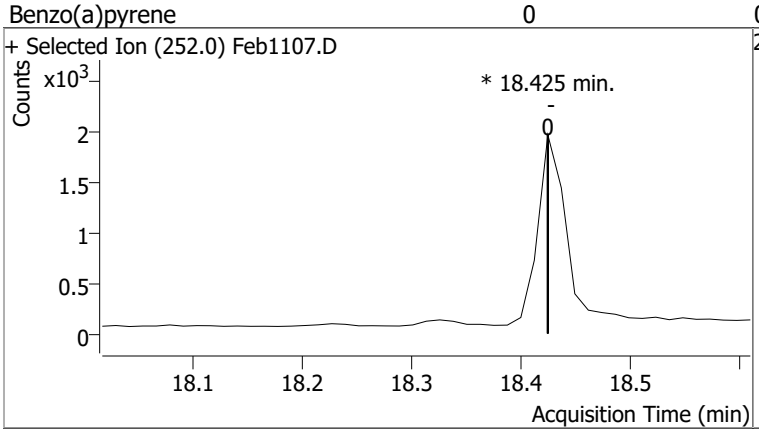


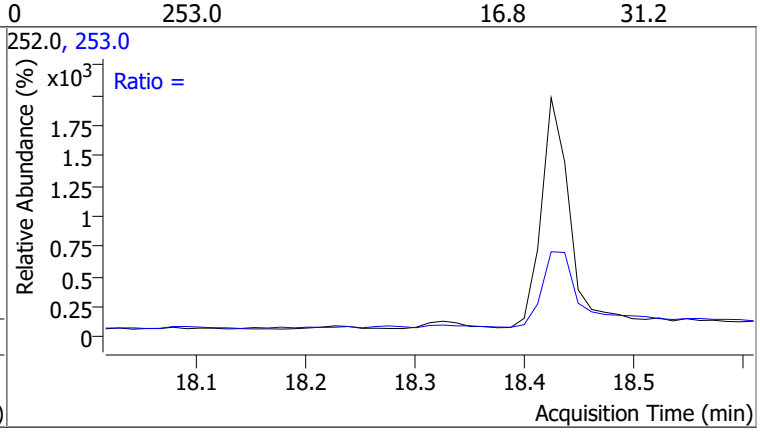
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.73	253.0	23.6



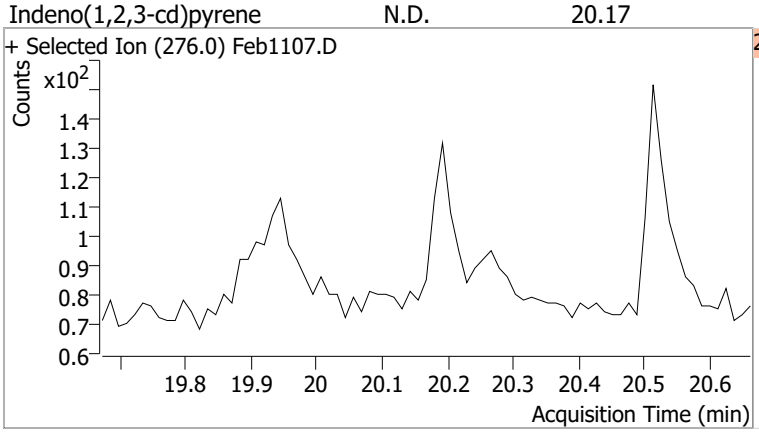


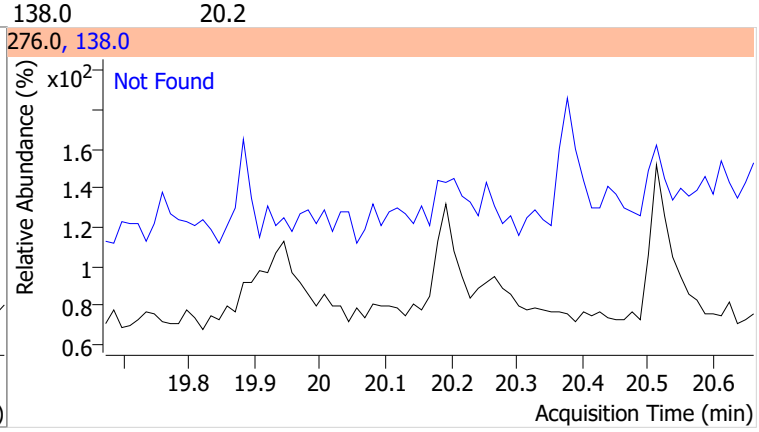
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



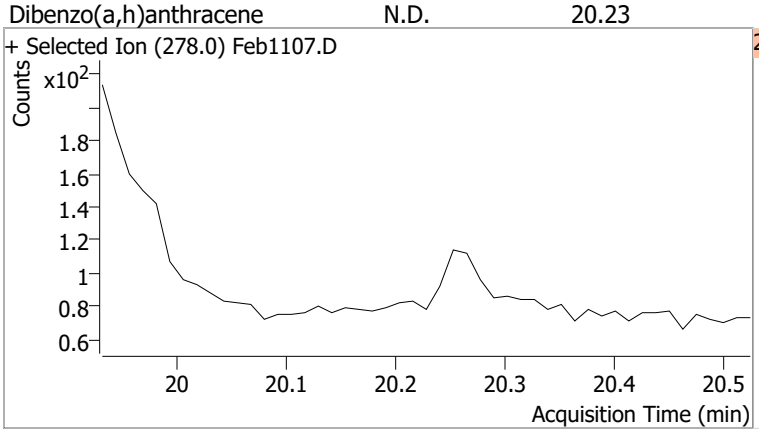


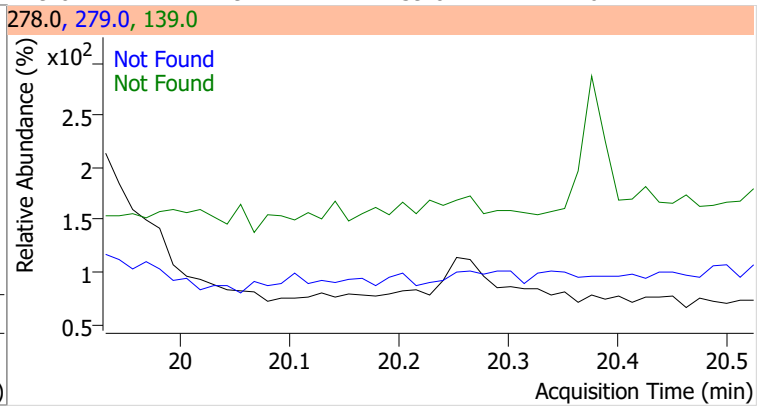
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.17	138.0	20.2



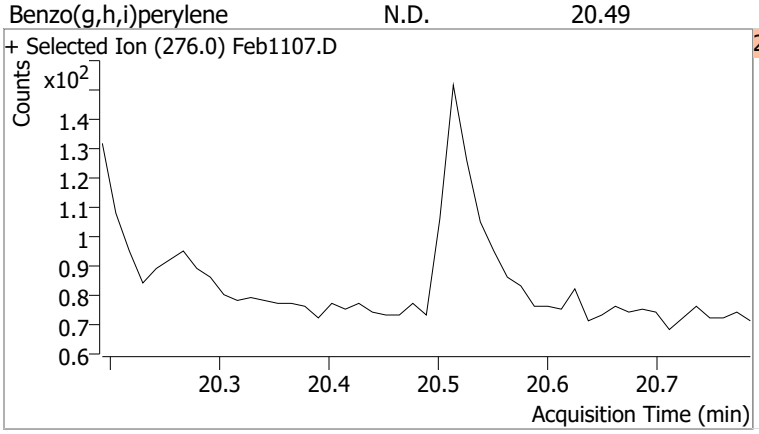


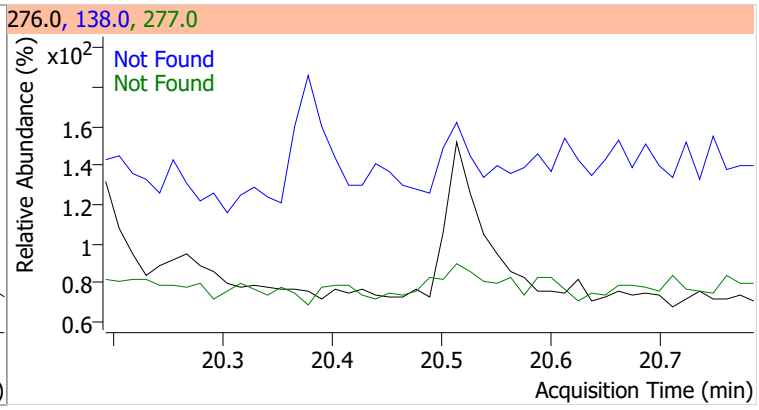
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.9	139.0	16.2





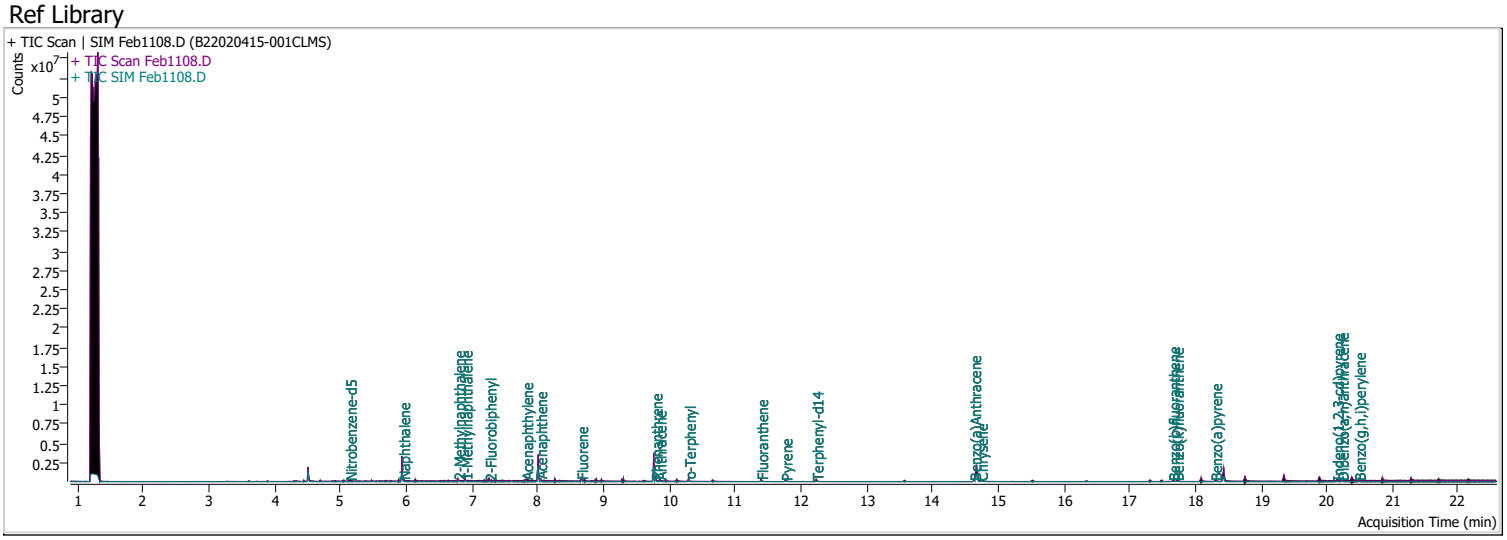
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb1108.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 6:34:05 PM
Sample Name	B22020415-001CLMS	Instrument	GCMS
Vial	8	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			

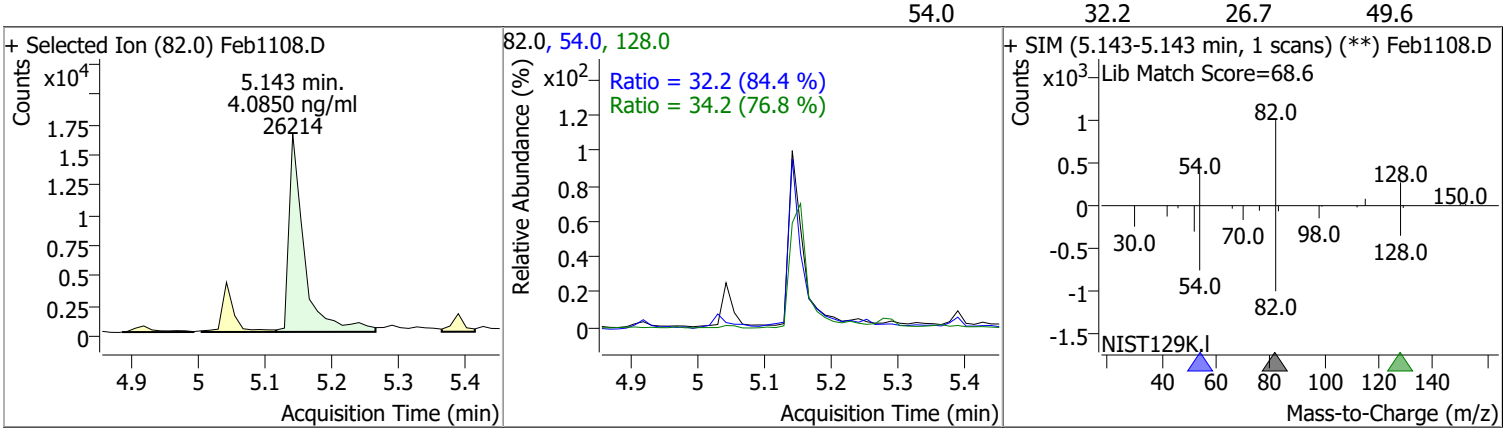


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	321907	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1209564	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	807567	40.0000	ng/ml		-0.013
M Phenanthrene-d10	9.768	188.0	1640840	40.0000	ng/ml		0.000
M Chrysene-d12	14.677	240.0	1348843	40.0000	ng/ml		0.000
M Perylene-d12	18.438	264.0	849109	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	26214	4.0850	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 81.70%			
S 2-Fluorobiphenyl	7.265	172.0	90555	3.5926	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 71.85%			
S o-Terphenyl	10.299	230.0	107420	4.2406	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 84.81%			
S Terphenyl-d14	12.238	244.0	131677	4.5999	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 92.00%			
Target Compounds							**QValue**
T Naphthalene	5.953	128.0	109933	3.3684	ng/ml	m	97
T 2-Methylnaphthalene	6.790	141.0	76505	3.8277	ng/ml		97
T 1-Methylnaphthalene	6.902	141.0	66908	3.2620	ng/ml		95
T Acenaphthylene	7.826	152.0	125703	4.0605	ng/ml		96
T Acenaphthene	8.038	154.0	97939	4.4772	ng/ml		98
T Fluorene	8.661	166.0	112311	4.2454	ng/ml		82
T Phenanthrene	9.793	178.0	182777	4.2012	ng/ml		98
T Anthracene	9.854	178.0	158158	4.4270	ng/ml		99
T Fluoranthene	11.398	202.0	183961	4.4396	ng/ml		100
T Pyrene	11.769	202.0	201647	4.4520	ng/ml		99
T Benzo(a)Anthracene	14.639	228.0	151853	4.8253	ng/ml		99
T Chrysene	14.739	228.0	192963	4.4507	ng/ml		97
T Benzo(b)fluoranthene	17.659	252.0	137736	4.5533	ng/ml		99

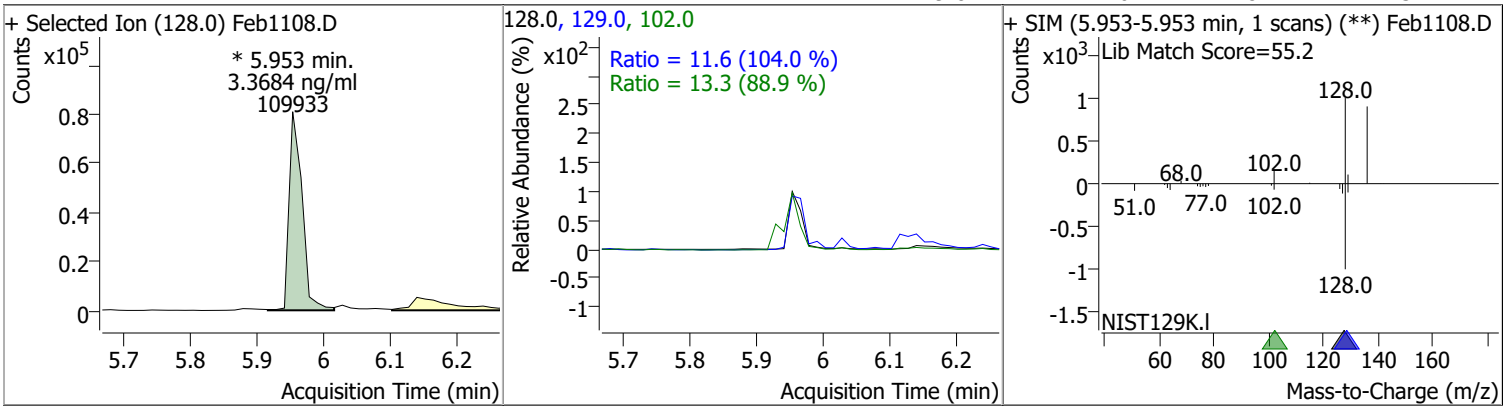
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.721	252.0	145637	4.3551	ng/ml	95
T Benzo(a)pyrene	18.302	252.0	111375	4.2839	ng/ml	100
T Indeno(1,2,3-cd)pyrene	20.155	276.0	106005	4.5182	ng/ml	98
T Dibenzo(a,h)anthracene	20.229	278.0	125033	4.6693	ng/ml	99
T Benzo(g,h,i)perylene	20.489	276.0	148487	4.6651	ng/ml	97

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

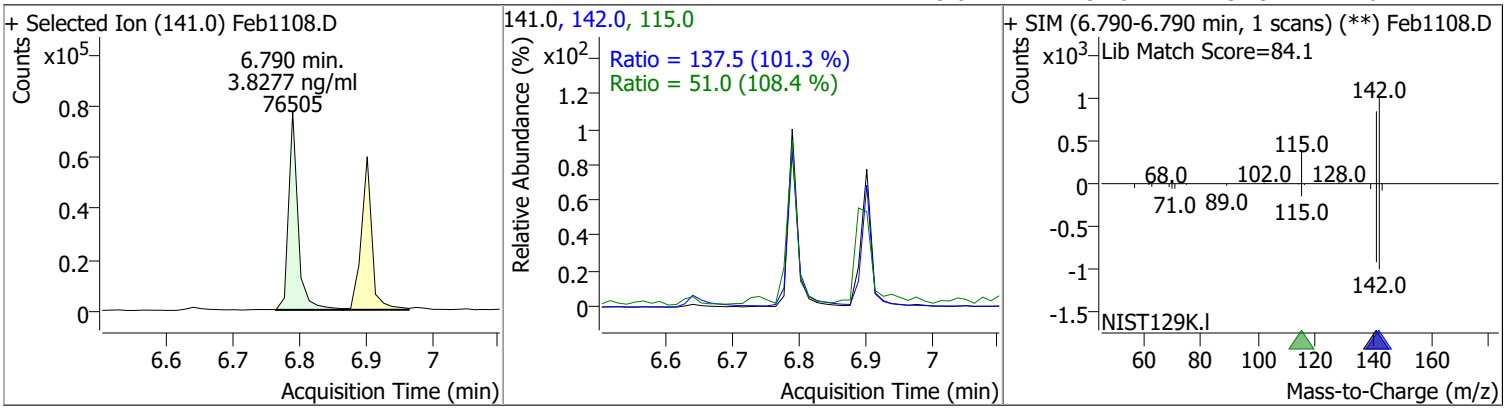
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	4.0850	5.14	-0.01	26214	128.0	34.2	31.2	57.9
					54.0	32.2	26.7	49.6



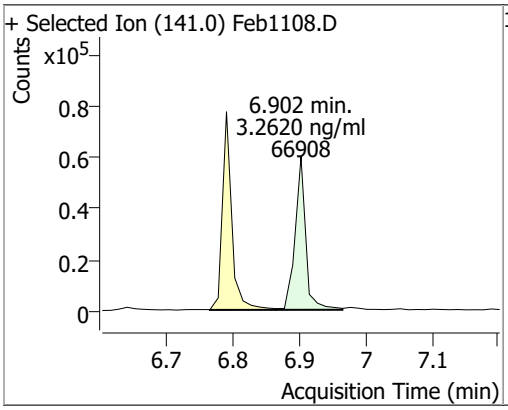
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	3.3684	5.95	-0.01	109933 (m)	102.0	13.3	0.0	45.0
					129.0	11.6	7.8	14.5

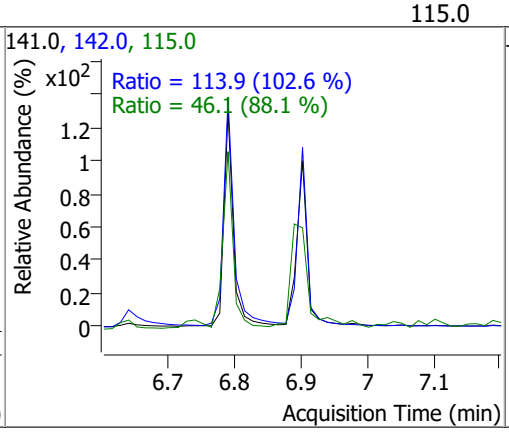


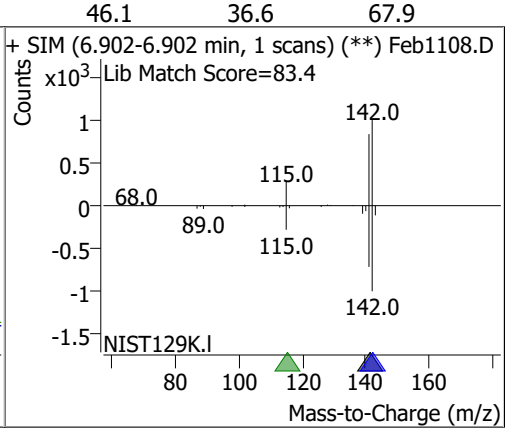
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	3.8277	6.79	-0.01	76505	142.0	137.5	95.0	176.4
					115.0	51.0	32.9	61.2



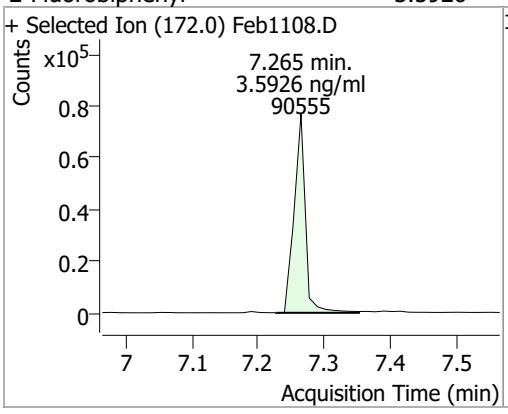
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	3.2620	6.90	0.00	66908	142.0	113.9	77.7	144.2
					115.0	46.1	36.6	67.9

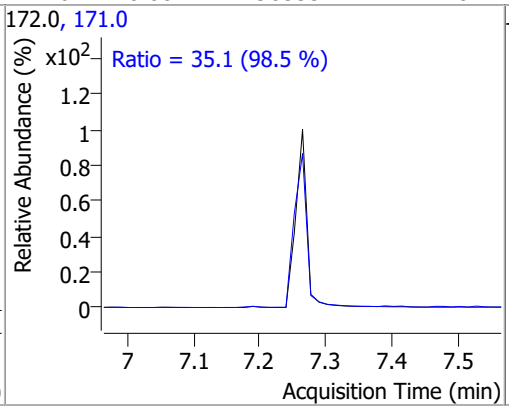


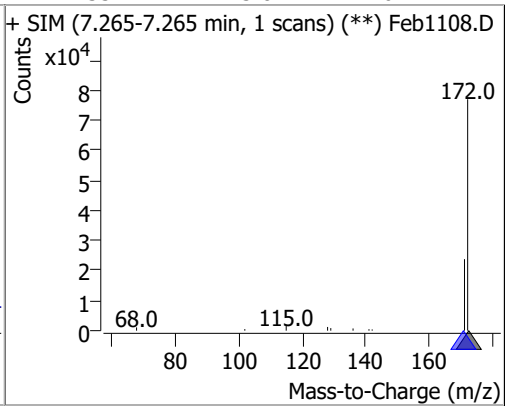




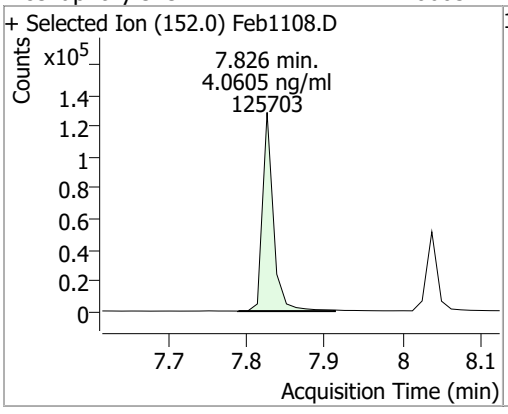
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	3.5926	7.26	0.00	90555	171.0	35.1	25.0	46.4

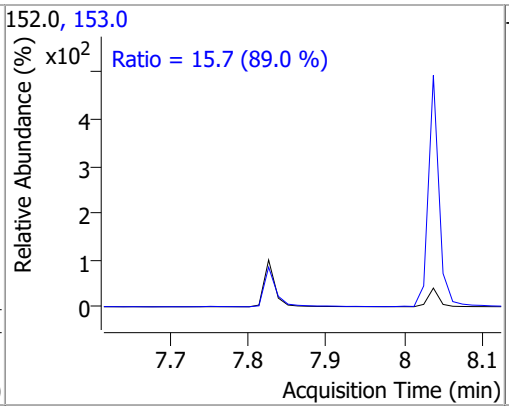


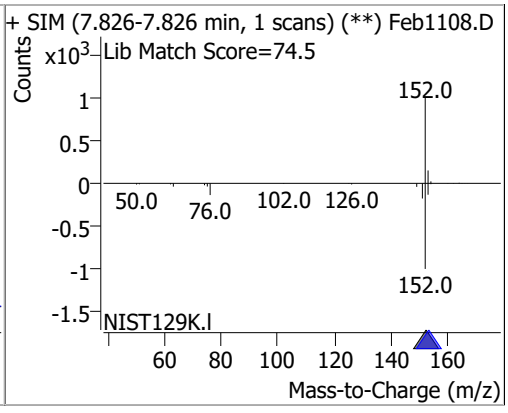




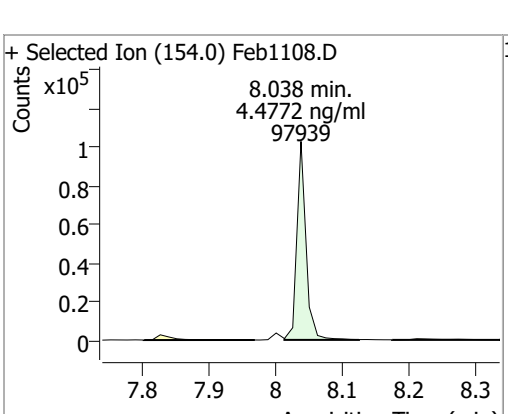
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	4.0605	7.83	0.00	125703	153.0	15.7	12.3	22.9

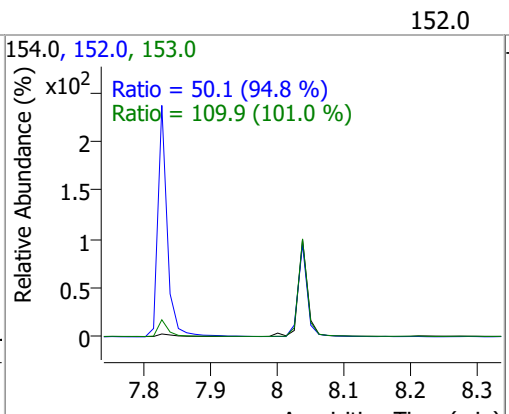


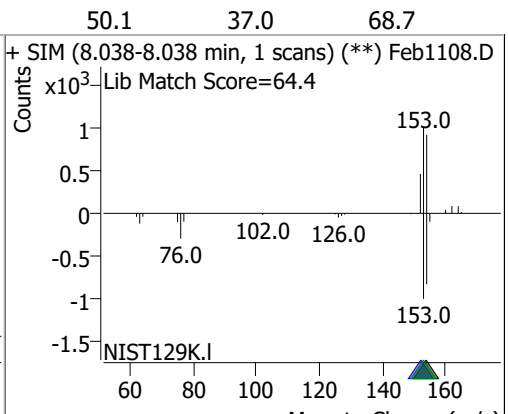




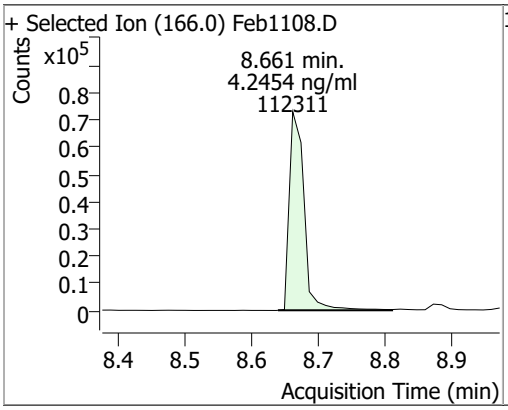
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	4.4772	8.04	0.00	97939	153.0	109.9	76.2	141.5
					152.0	50.1	37.0	68.7

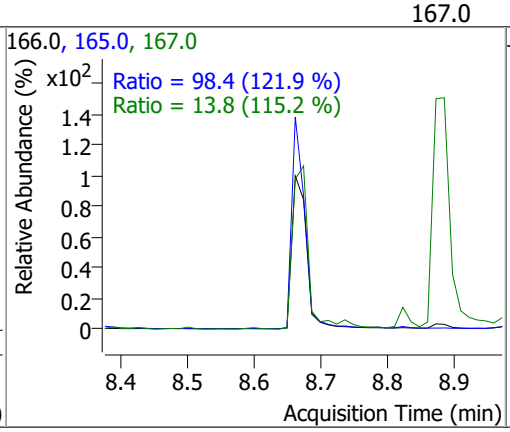


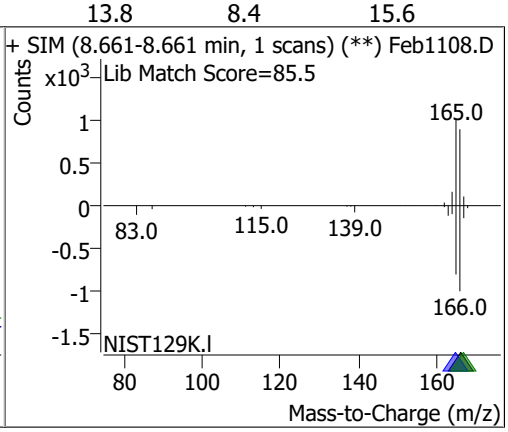




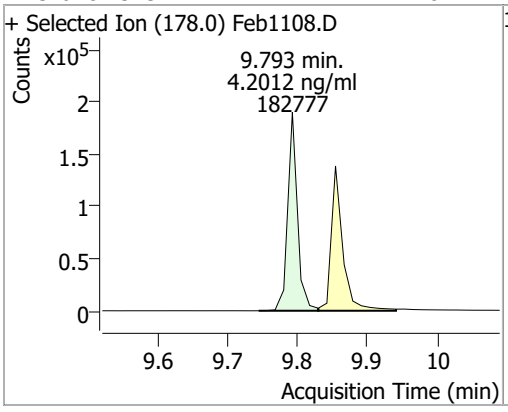
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	4.2454	8.66	-0.01	112311	165.0	98.4	56.5	104.9
					167.0	13.8	8.4	15.6

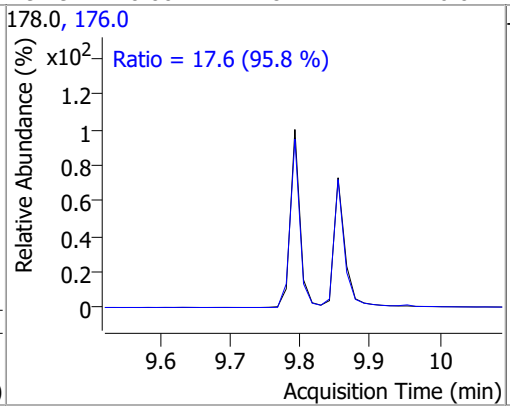


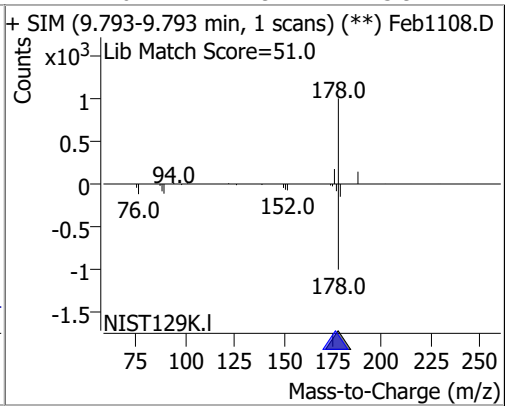




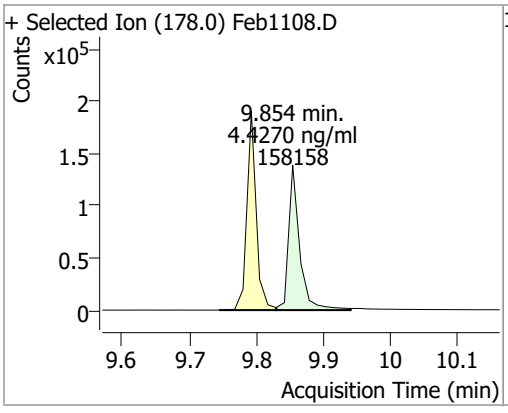
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	4.2012	9.79	0.00	182777	176.0	17.6	12.9	23.9

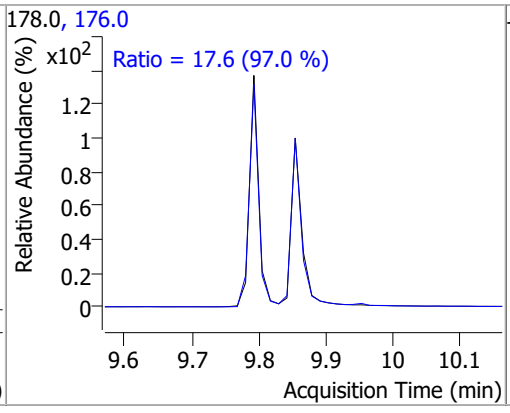


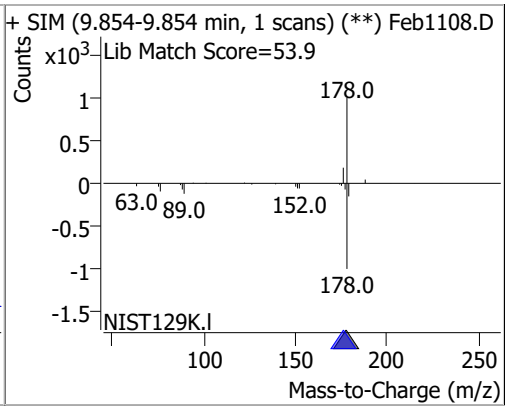




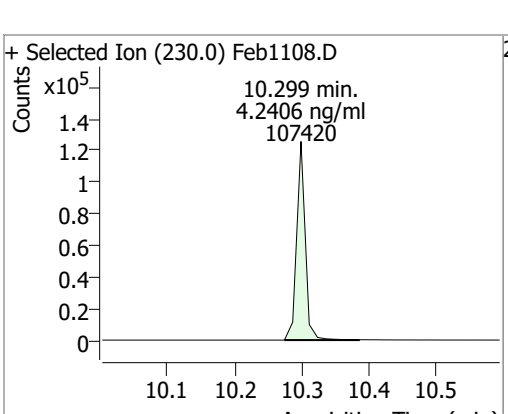
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	4.4270	9.85	-0.01	158158	176.0	17.6	12.7	23.6

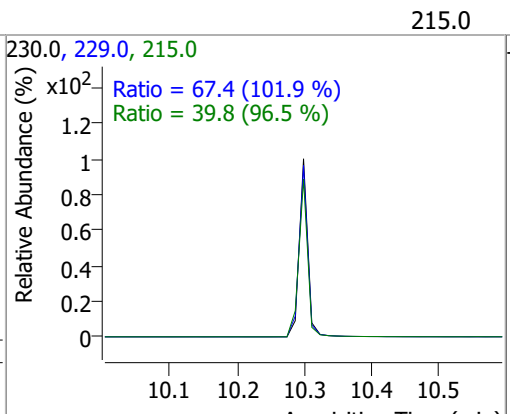


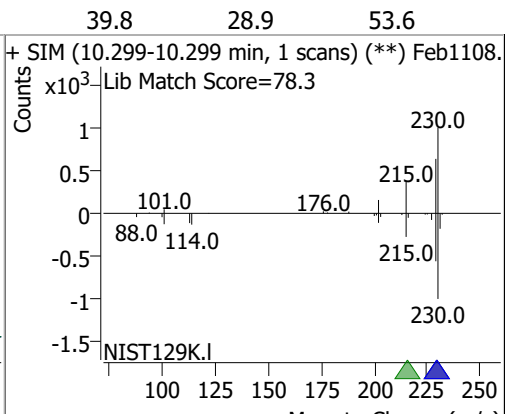




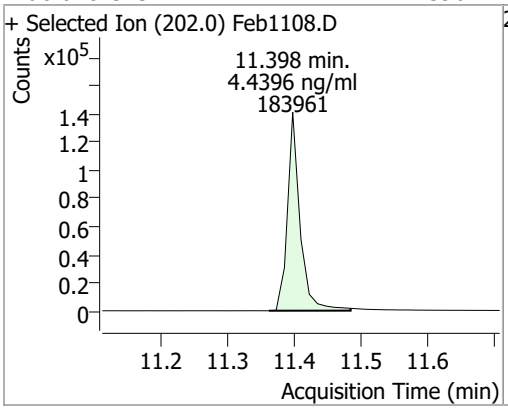
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.2406	10.30	0.00	107420	229.0	67.4	46.3	85.9
					215.0	39.8	28.9	53.6

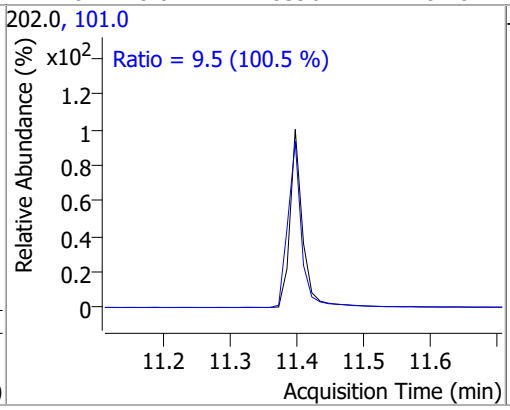


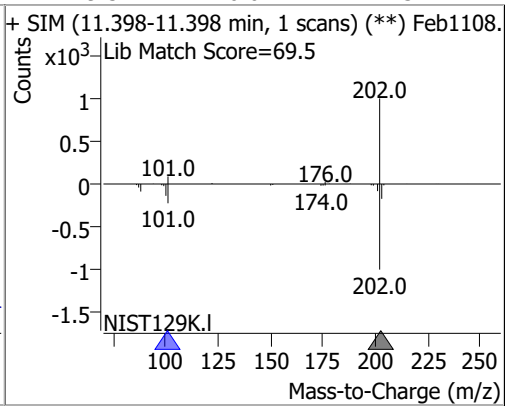




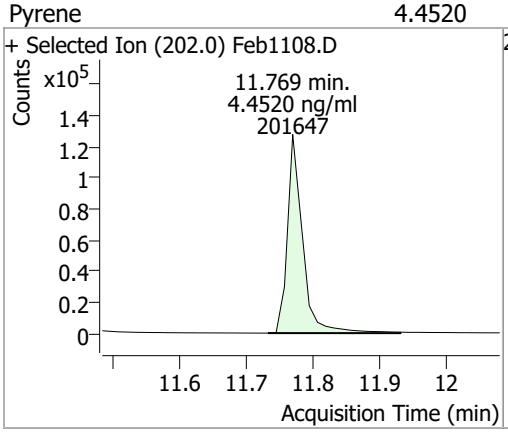
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	4.4396	11.40	-0.01	183961	101.0	9.5	6.6	12.3

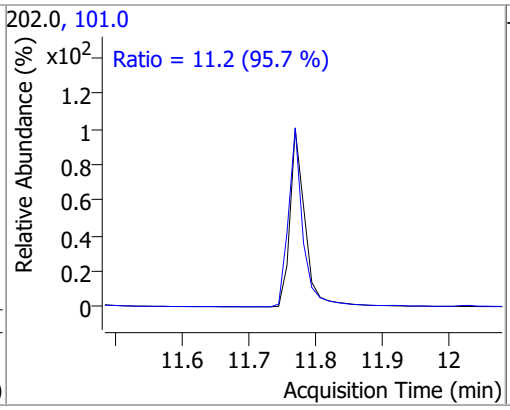


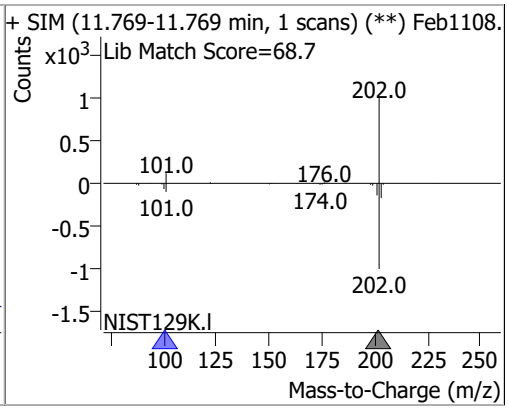




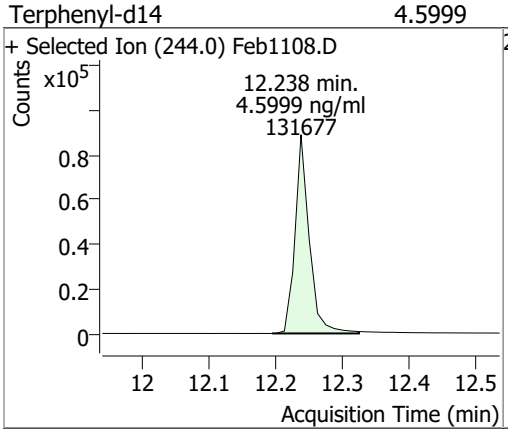
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	4.4520	11.77	-0.01	201647	101.0	11.2	8.2	15.2

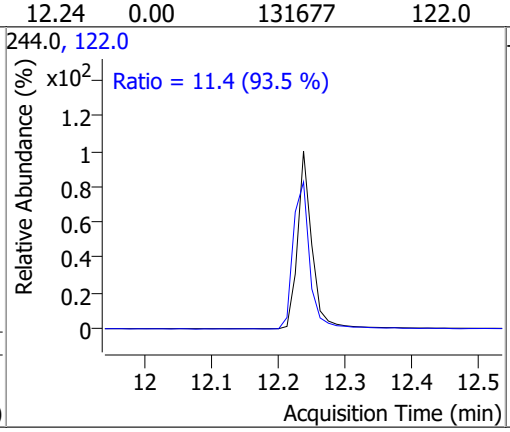


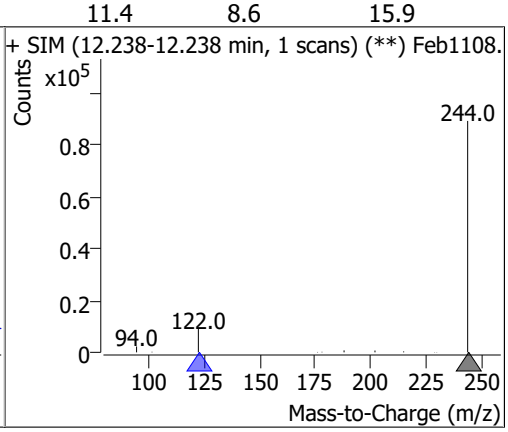




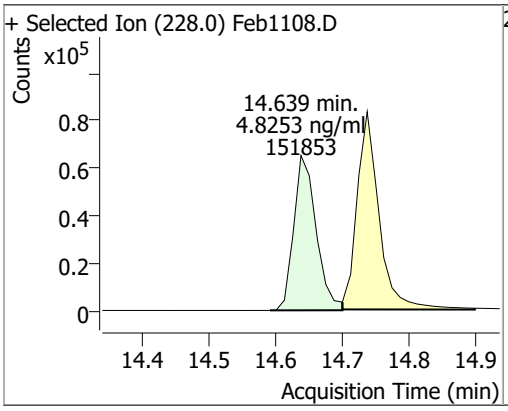
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.5999	12.24	0.00	131677	122.0	11.4	8.6	15.9

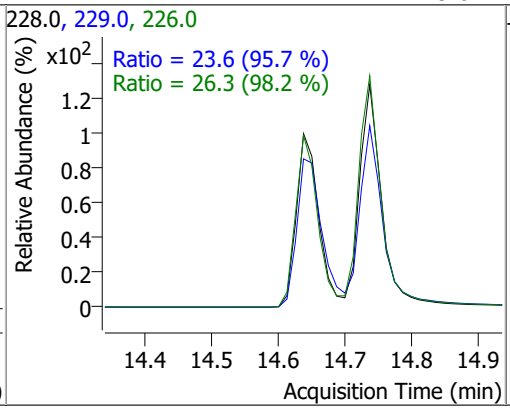


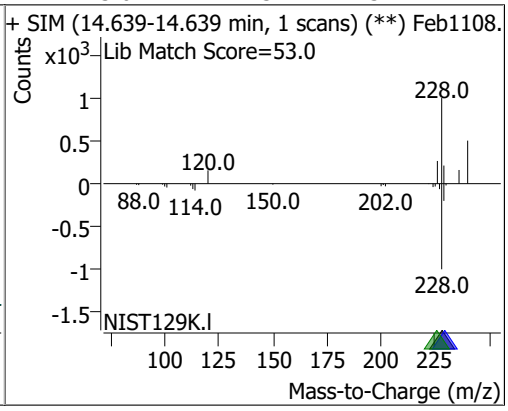




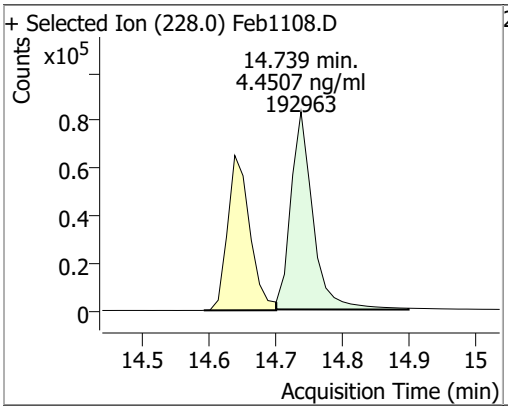
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	4.8253	14.64	0.00	151853	226.0	26.3	18.7	34.8
					229.0	23.6	17.3	32.1

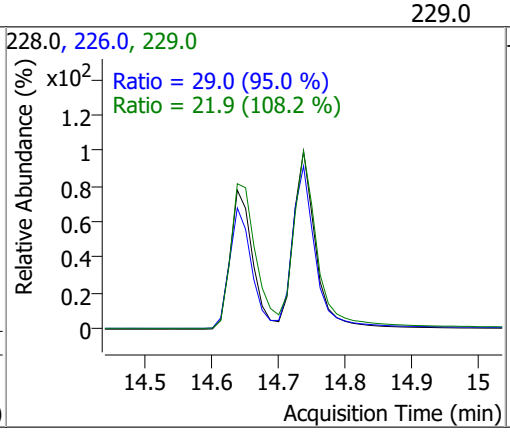


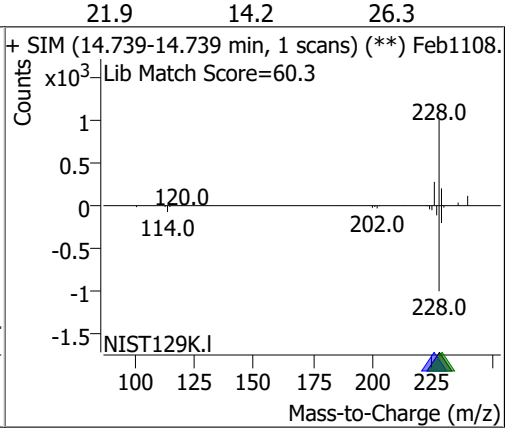




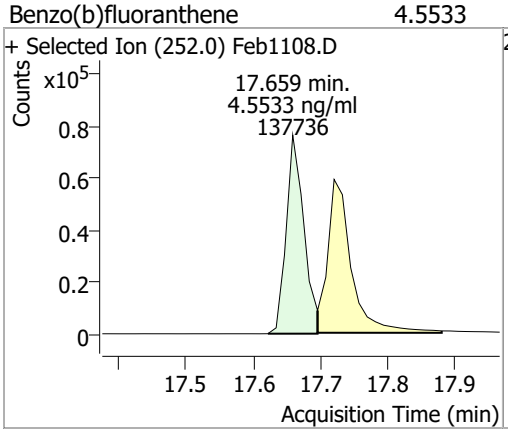
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	4.4507	14.74	0.00	192963	226.0	29.0	21.4	39.7
					229.0	21.9	14.2	26.3

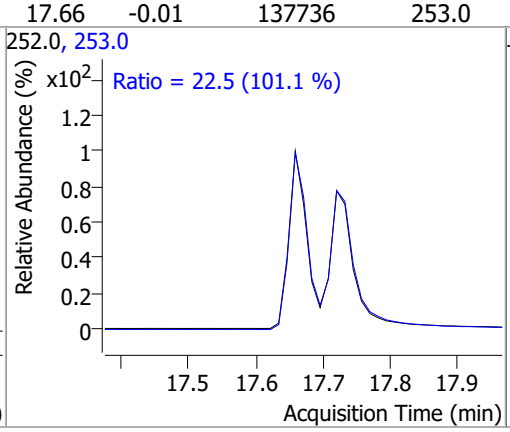


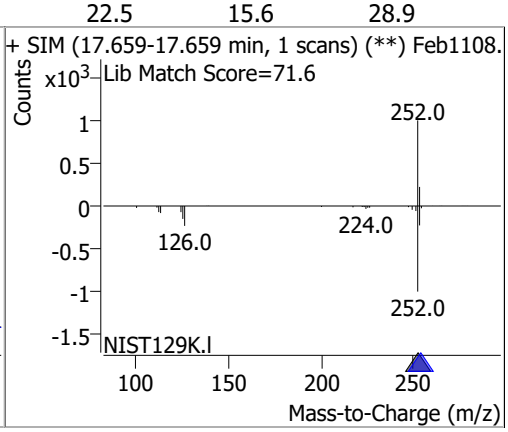




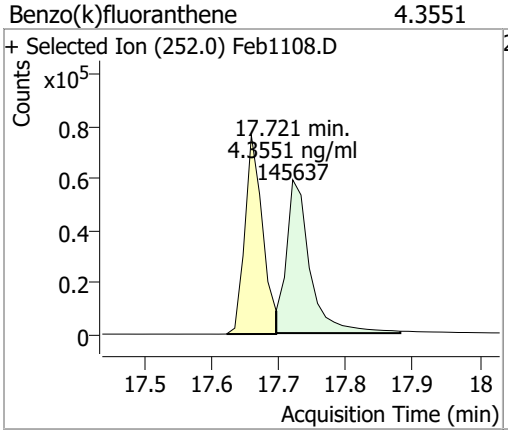
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	4.5533	17.66	-0.01	137736	253.0	22.5	15.6	28.9

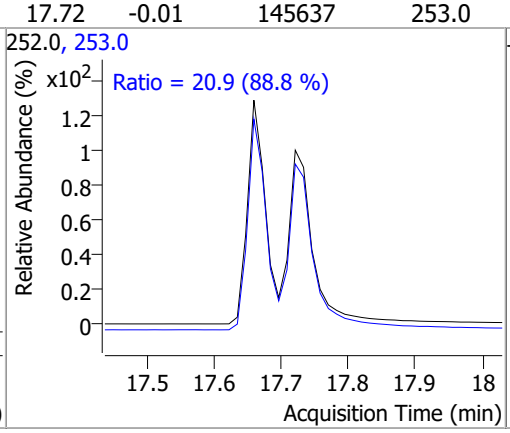


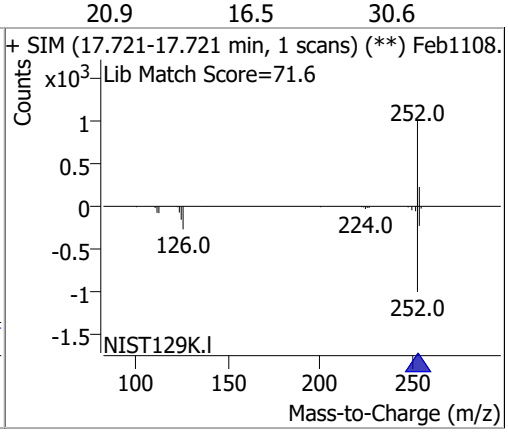




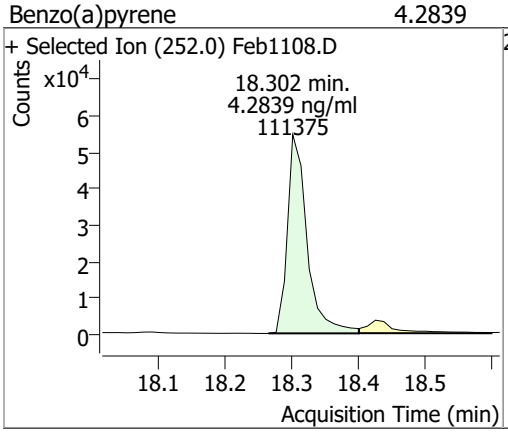
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	4.3551	17.72	-0.01	145637	253.0	20.9	16.5	30.6

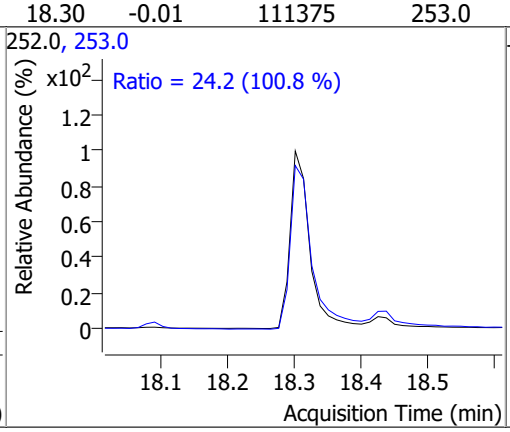


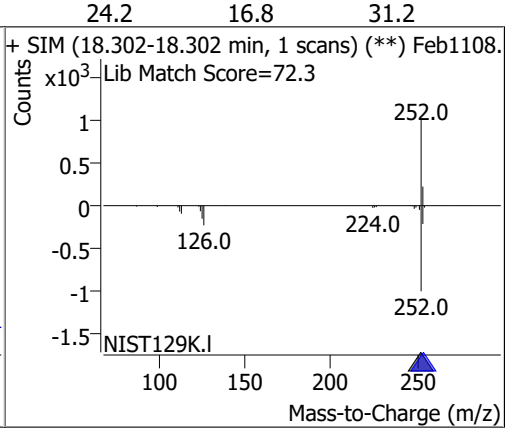




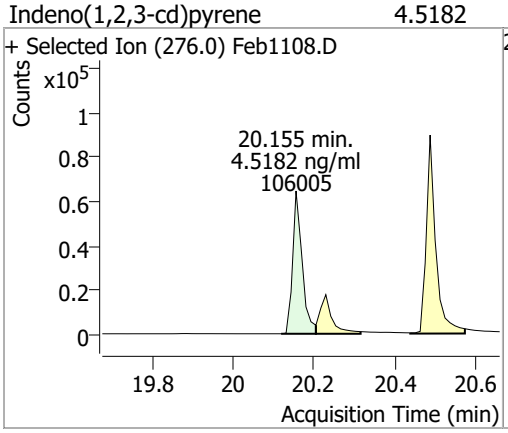
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	4.2839	18.30	-0.01	111375	253.0	24.2	16.8	31.2

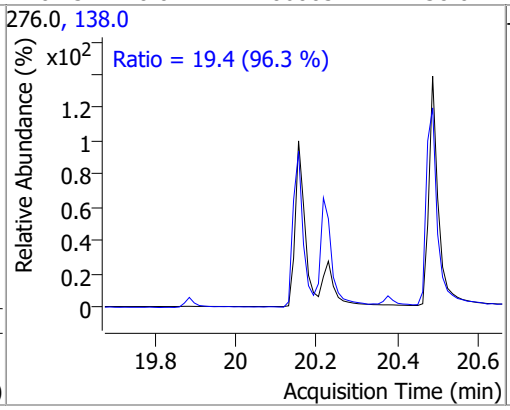


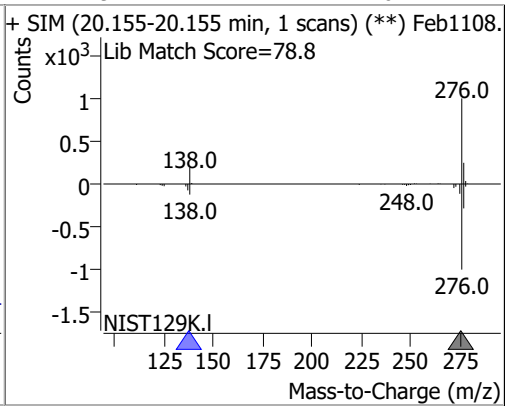




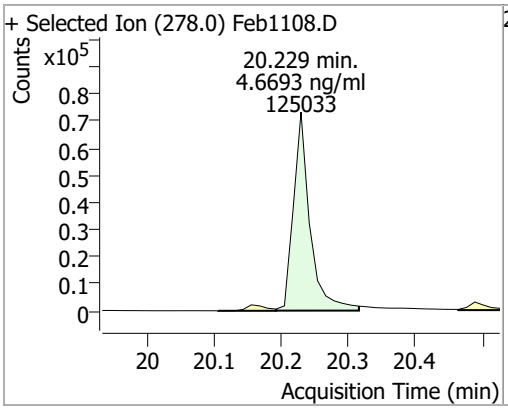
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	4.5182	20.15	-0.01	106005	138.0	19.4	14.1	26.2

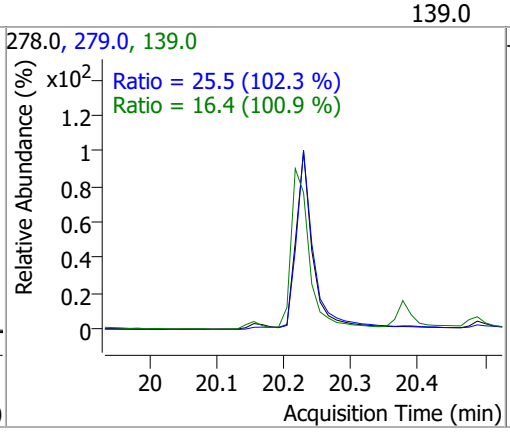


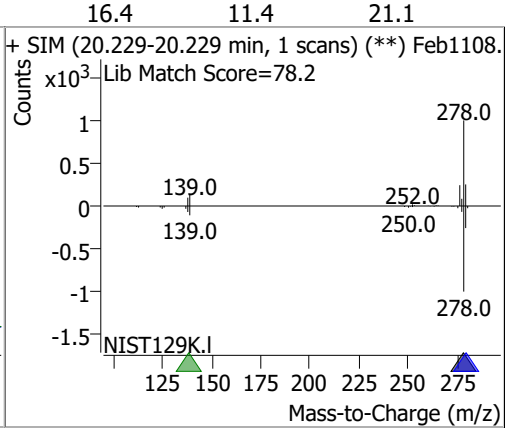




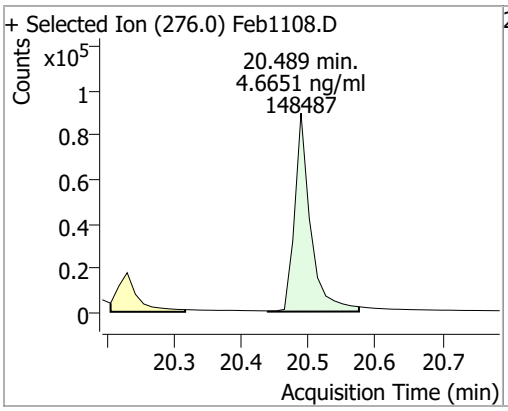
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	4.6693	20.23	0.00	125033	279.0	25.5	17.4	32.4
					139.0	16.4	11.4	21.1

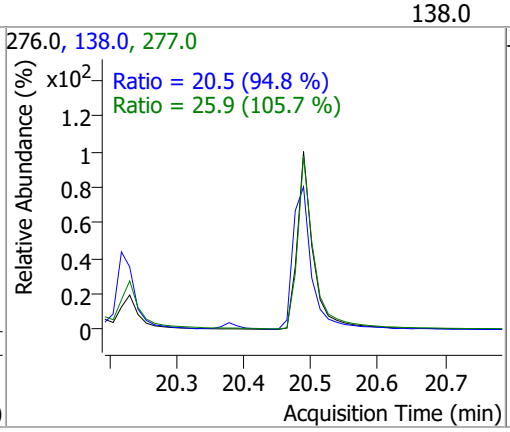


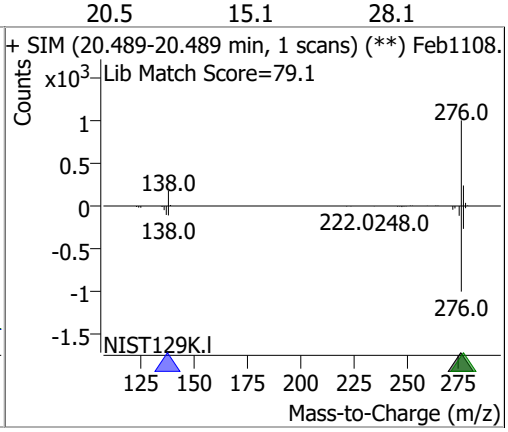




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	4.6651	20.49	0.00	148487	277.0	25.9	17.2	31.9
					138.0	20.5	15.1	28.1

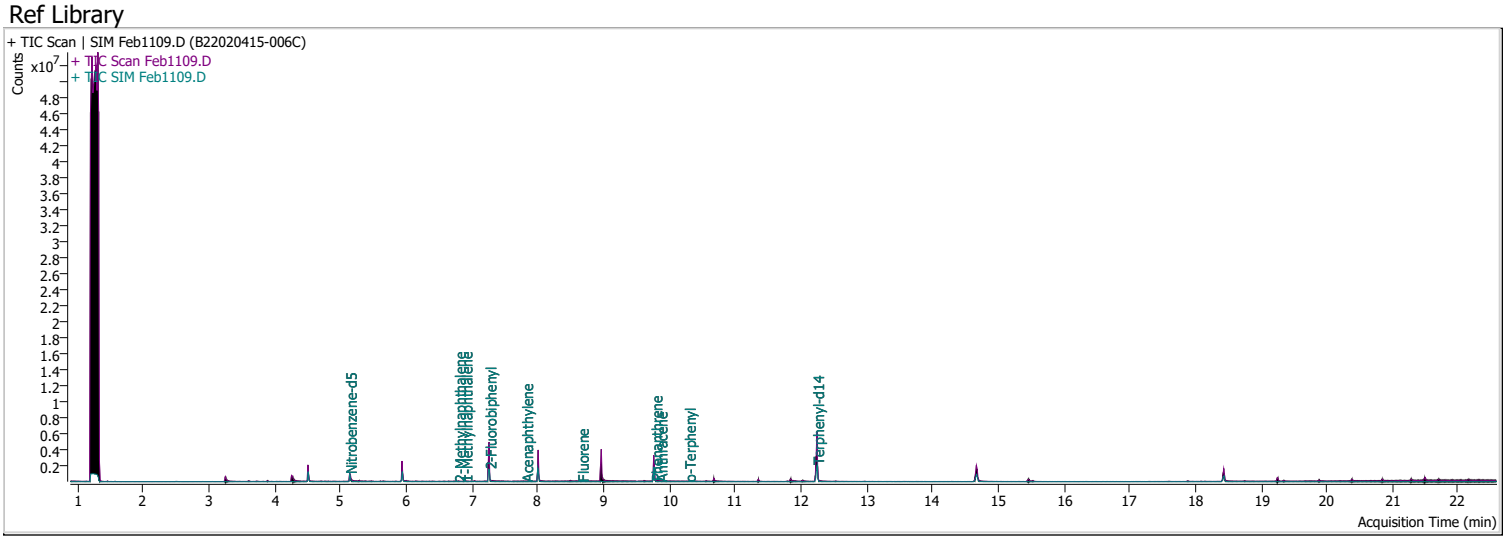






Quantitation Results Report (QT Reviewed)

Data File	Feb1109.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 7:06:40 PM
Sample Name	B22020415-006C	Instrument	GCMS
Vial	9	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			

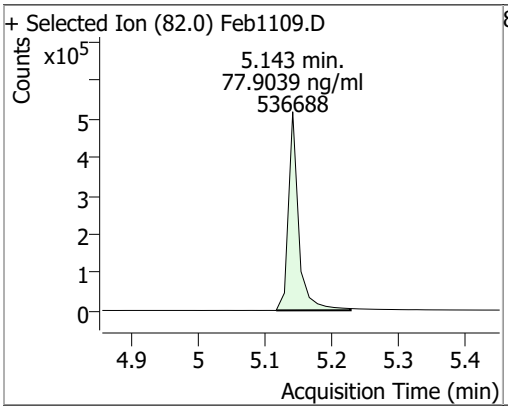


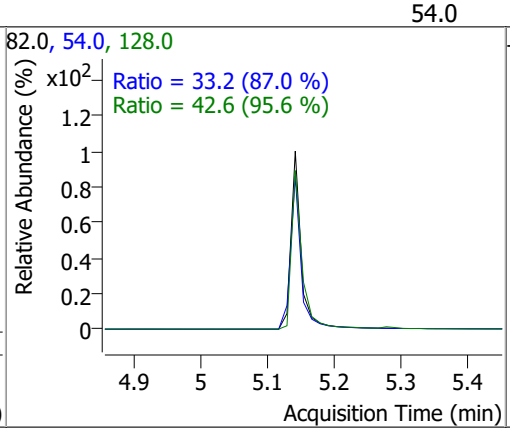
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	345582	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1274394	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	827861	40.0000	ng/ml		-0.013
M Phenanthrene-d10	9.768	188.0	1629326	40.0000	ng/ml		0.000
M Chrysene-d12	14.677	240.0	1351643	40.0000	ng/ml		0.000
M Perylene-d12	18.437	264.0	857896	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	536688	77.9039	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1558.08%		*	
S 2-Fluorobiphenyl	7.264	172.0	1750741	77.0243	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1540.49%		*	
S o-Terphenyl	10.299	230.0	2445	0.0151	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 0.30%		*	
S Terphenyl-d14	12.251	244.0	2735560	62.3126	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1246.25%		*	
Target Compounds							**QValue**
T Naphthalene	5.966	128.0	0		ng/ml	md	1
T 2-Methylnaphthalene	6.802	141.0	1952	0.0365	ng/ml	#	60
T 1-Methylnaphthalene	6.902	141.0	2284	0.0364	ng/ml	#	74
T Acenaphthylene	7.826	152.0	2218	0.0699	ng/ml		99
T Acenaphthene	8.038	154.0	0		ng/ml	md	1
T Fluorene	8.673	166.0	3307	0.0739	ng/ml		91
T Phenanthrene	9.793	178.0	4684	0.0359	ng/ml	m	99
T Anthracene	9.867	178.0	3564	0.0324	ng/ml		100
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.677	228.0	0		ng/ml	md	1
T Chrysene	14.739	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

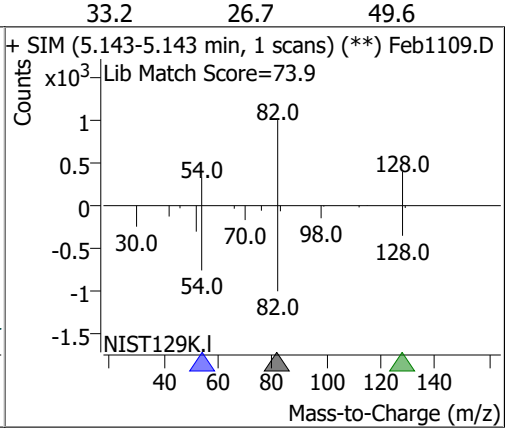
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.437	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

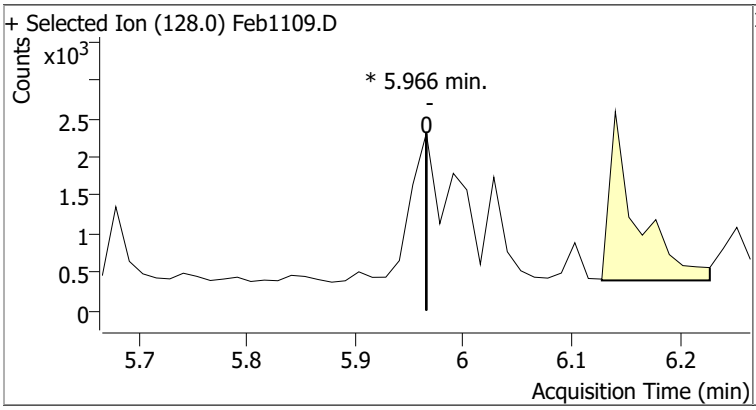
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	77.9039	5.14	-0.01	536688	128.0	42.6	31.2	57.9
					54.0	33.2	26.7	49.6

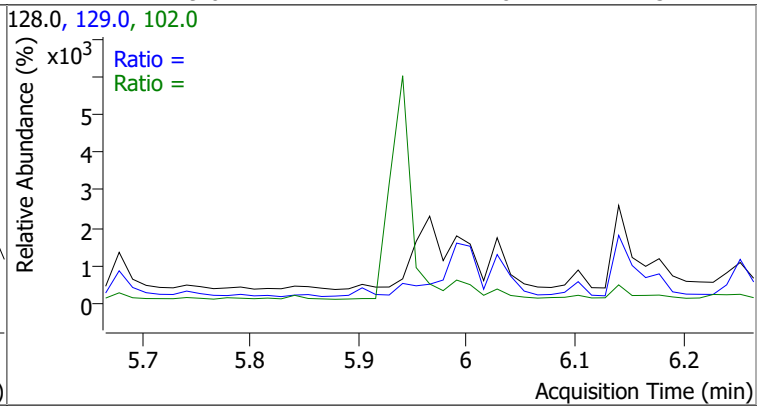




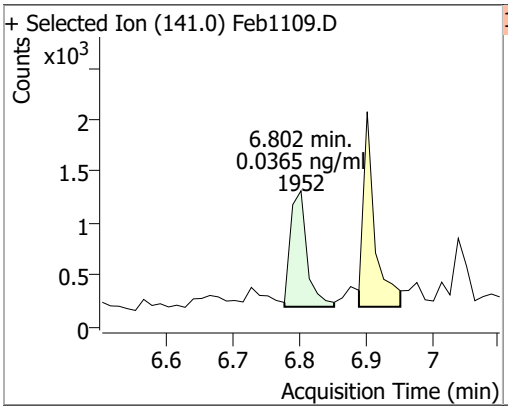


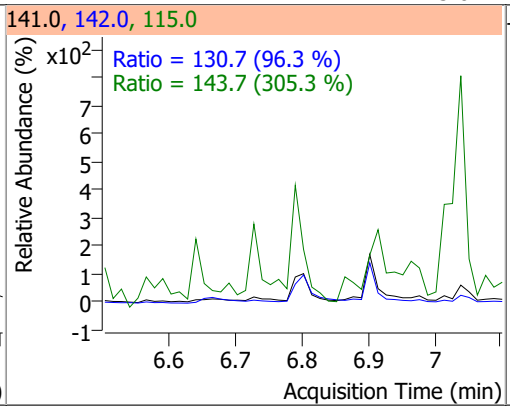
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene		0	0		102.0		0.0	45.0
					129.0		7.8	14.5

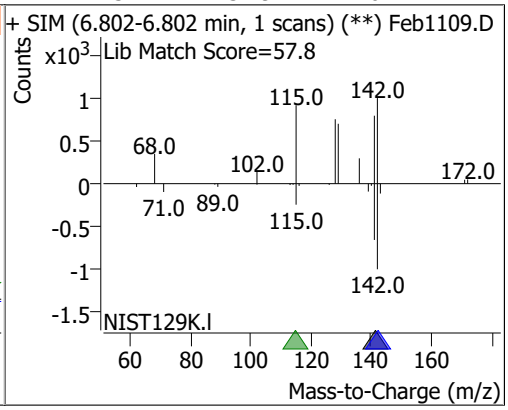




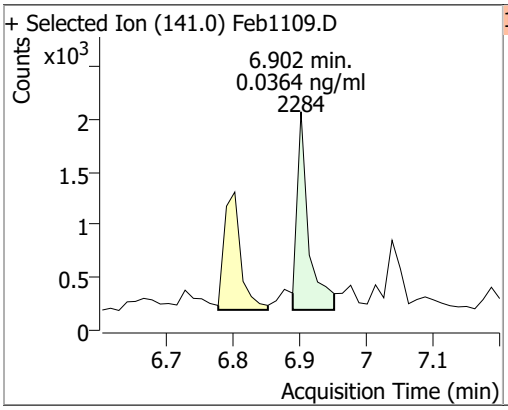
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	0.0365	6.80	0.00	1952	142.0	130.7	95.0	176.4
					115.0	143.7	32.9	61.2

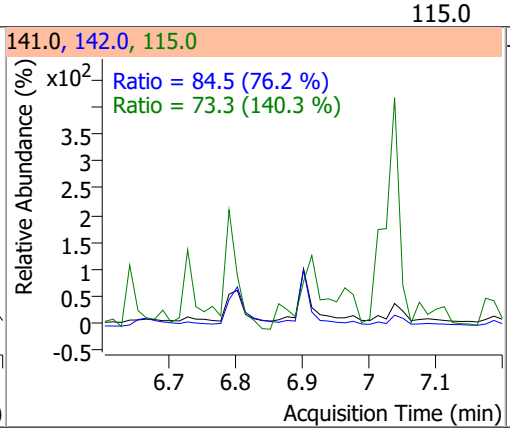


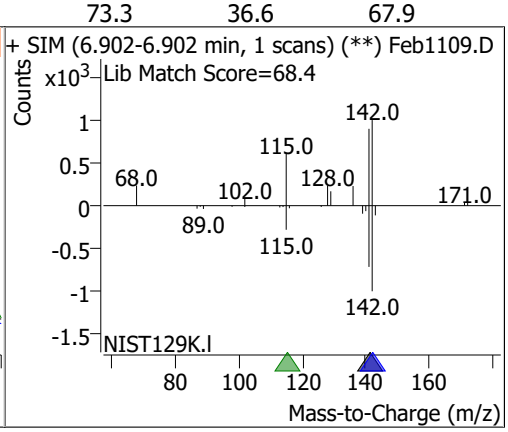




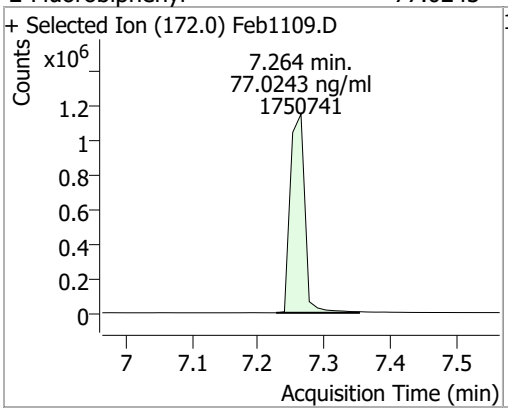
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	0.0364	6.90	0.00	2284	142.0	84.5	77.7	144.2
					115.0	73.3	36.6	67.9

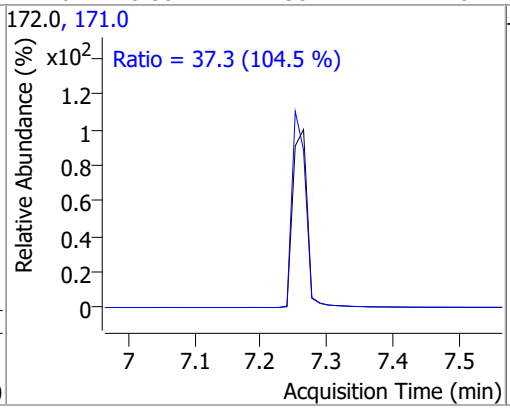


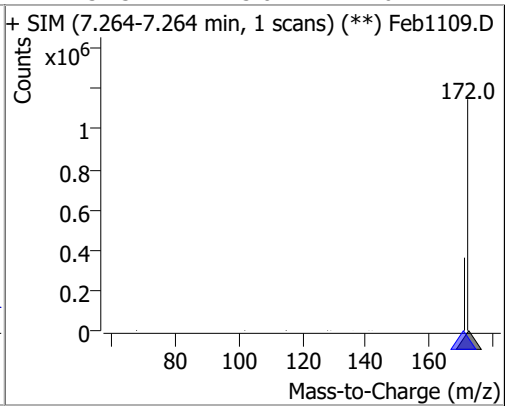




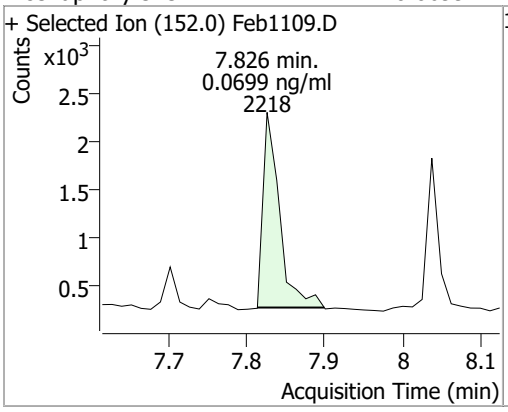
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	77.0243	7.26	0.00	1750741	171.0	37.3	25.0	46.4

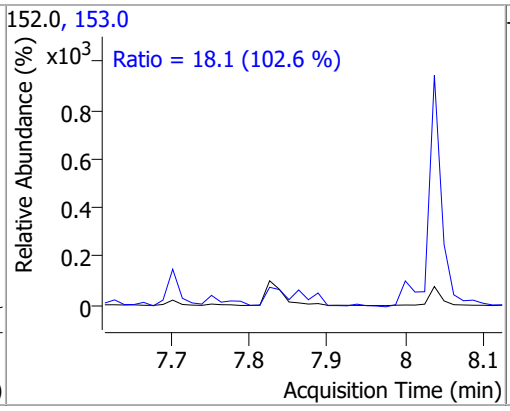


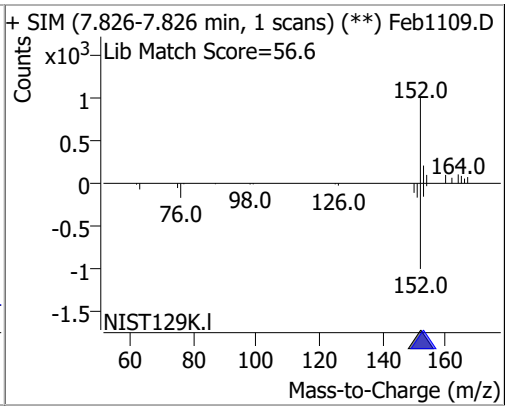




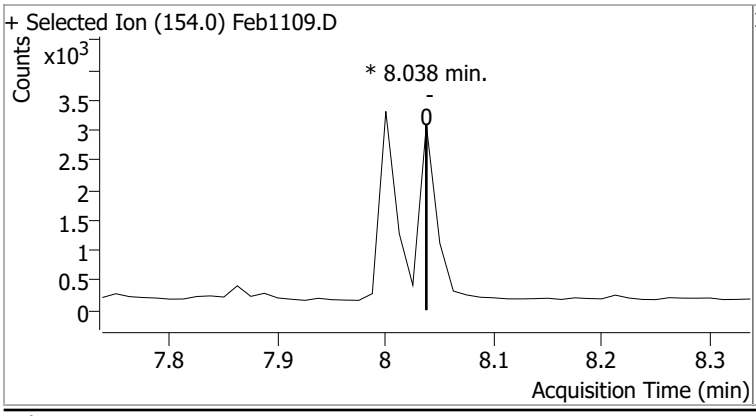
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	0.0699	7.83	0.00	2218	153.0	18.1	12.3	22.9

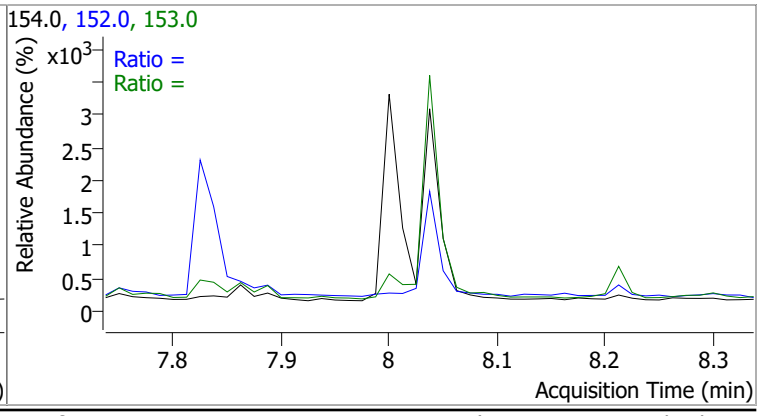




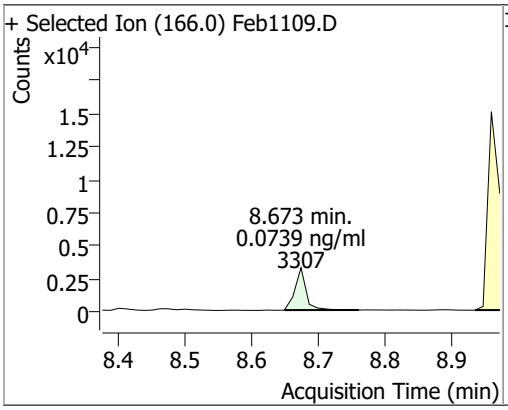


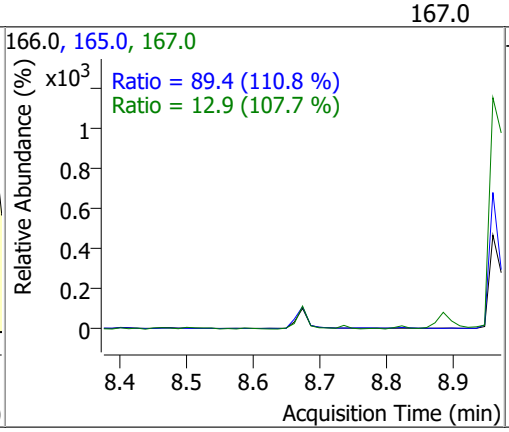
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7

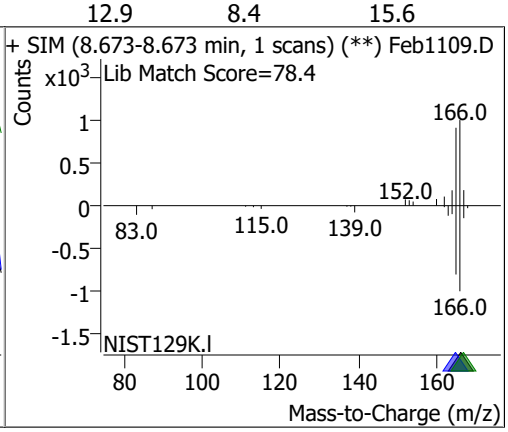




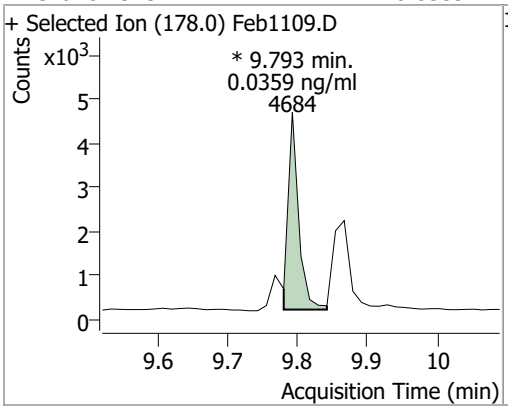
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	0.0739	8.67	0.00	3307	165.0	89.4	56.5	104.9
					167.0	12.9	8.4	15.6

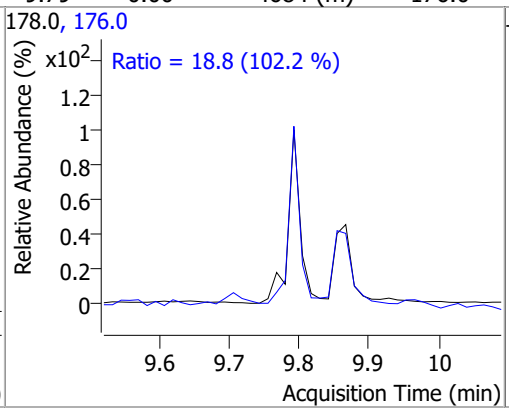


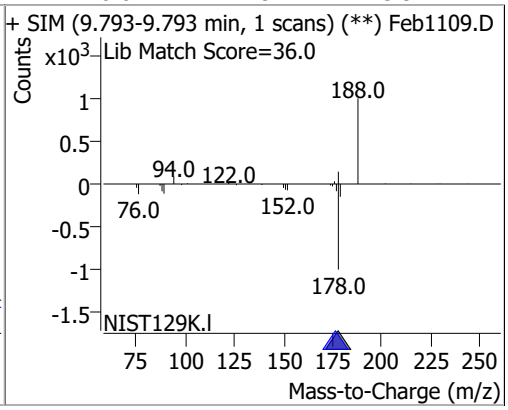




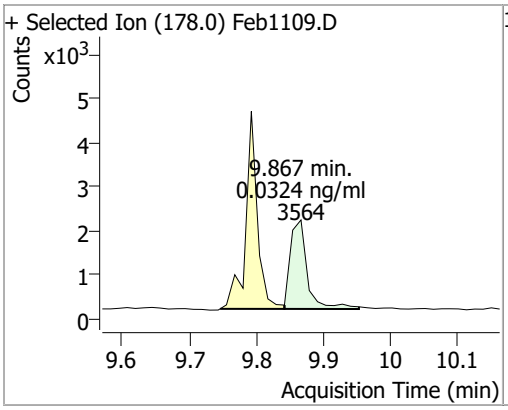
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	0.0359	9.79	0.00	4684 (m)	176.0	18.8	12.9	23.9

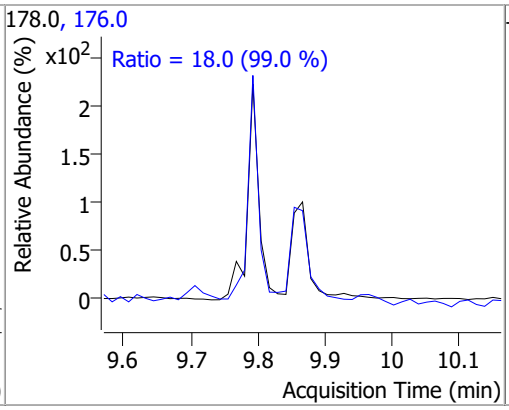


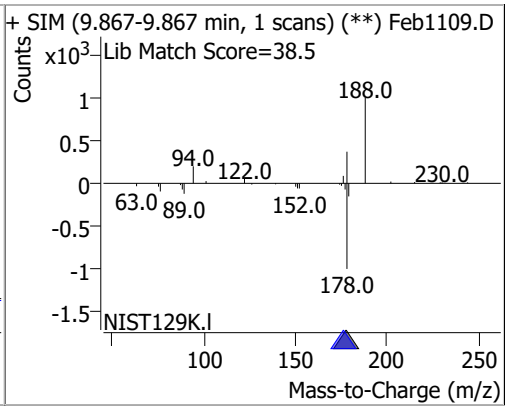




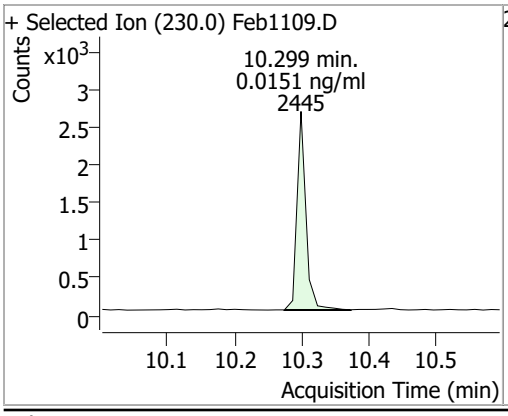
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	0.0324	9.87	0.00	3564	176.0	18.0	12.7	23.6

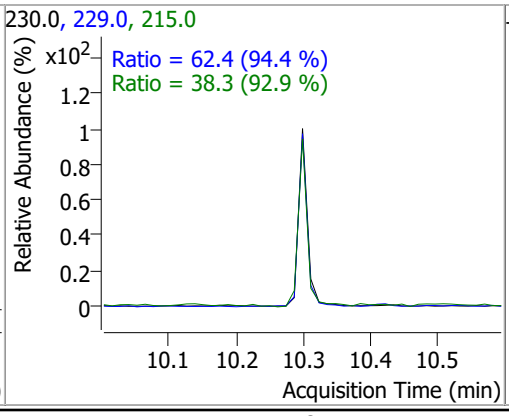


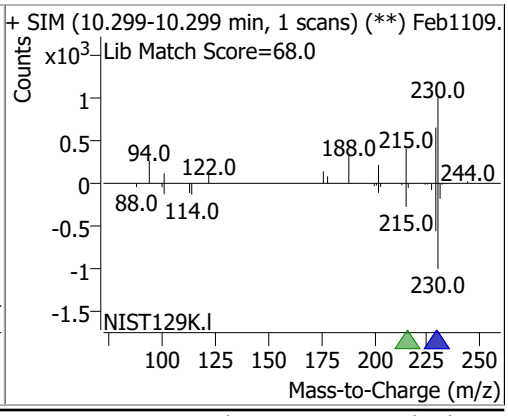




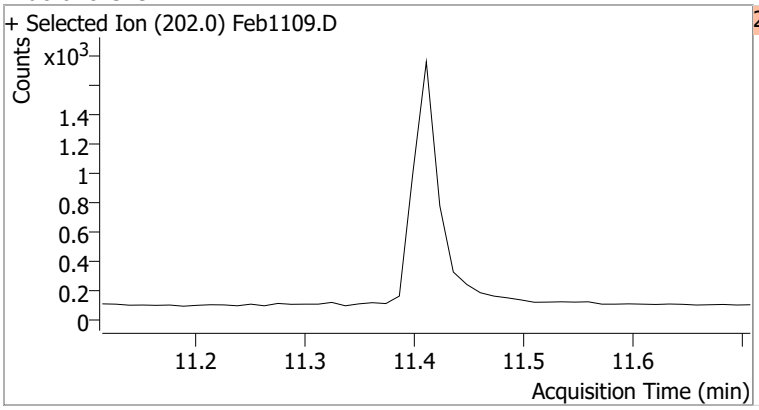
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.0151	10.30	0.00	2445	229.0	62.4	46.3	85.9
					215.0	38.3	28.9	53.6

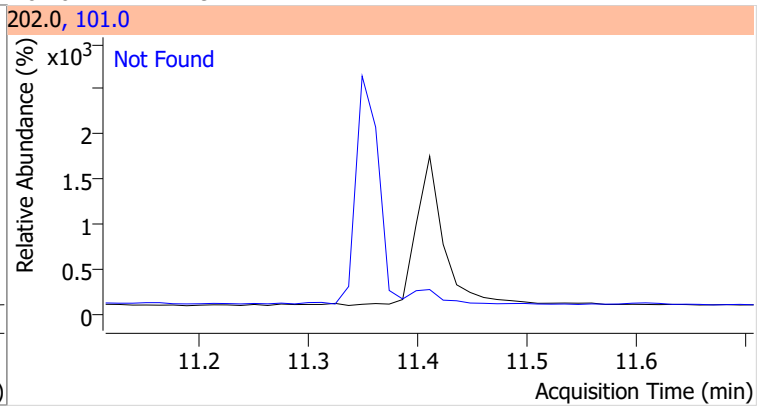




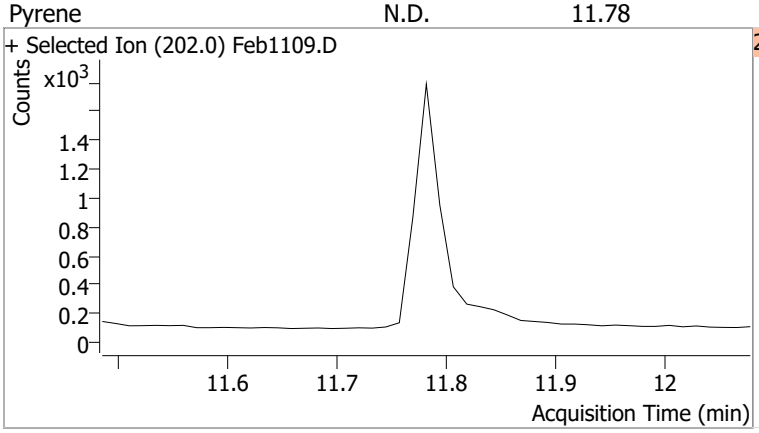


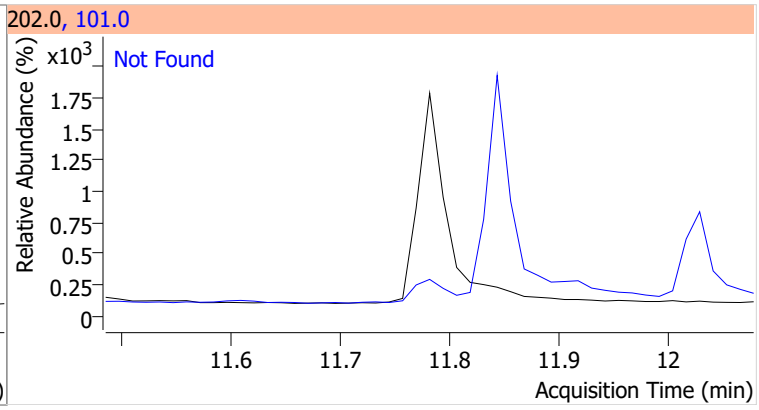
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.41	101.0	9.4



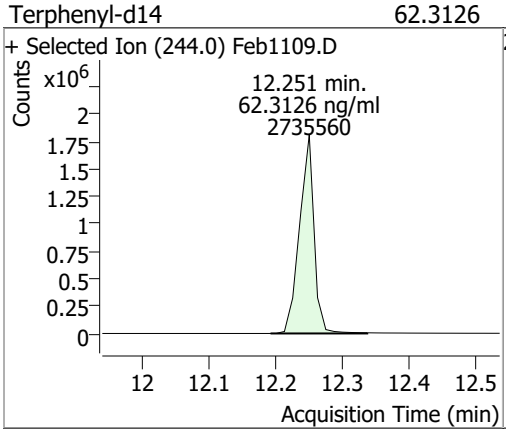


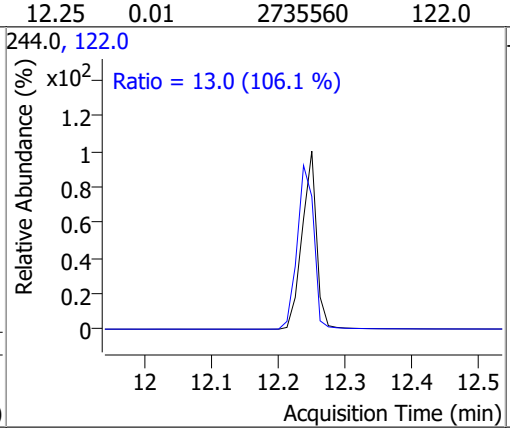
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.78	101.0	11.7

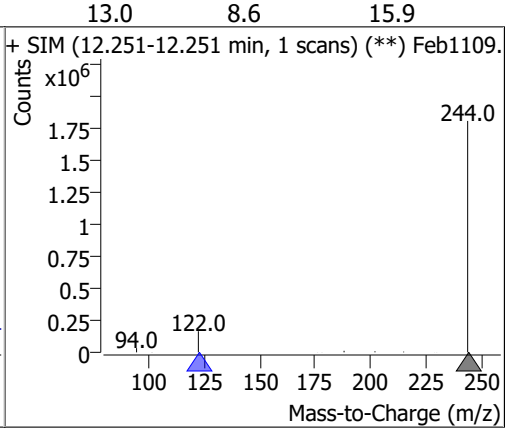




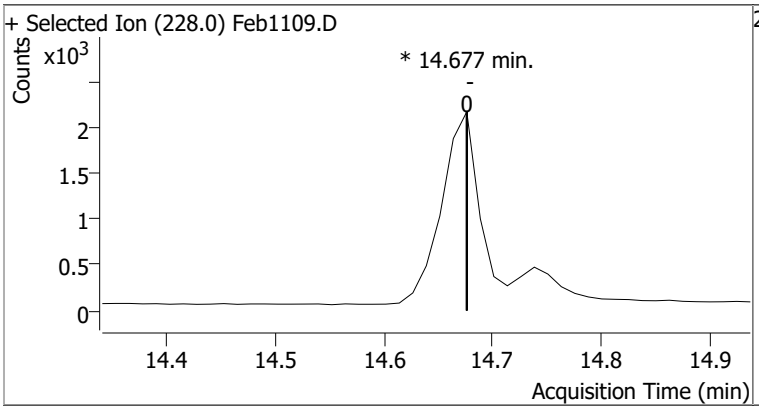
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	62.3126	12.25	0.01	2735560	122.0	13.0	8.6	15.9

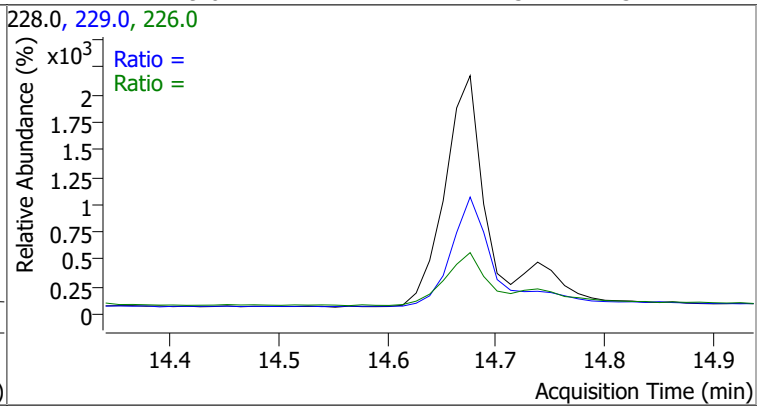




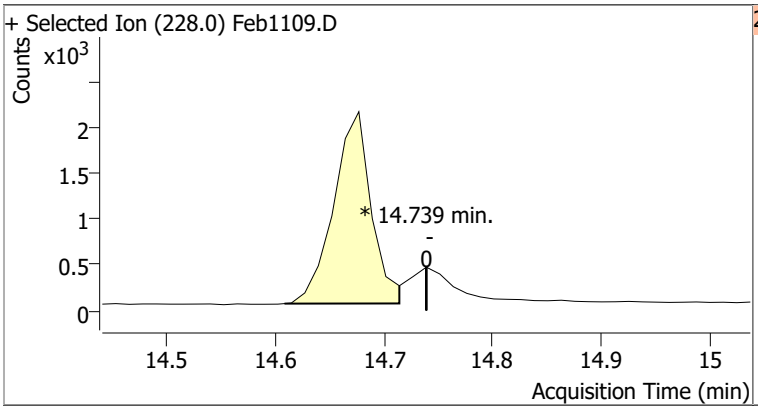


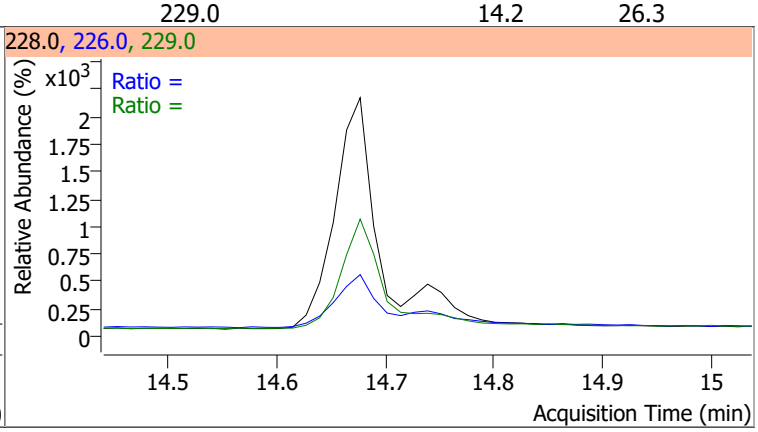
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



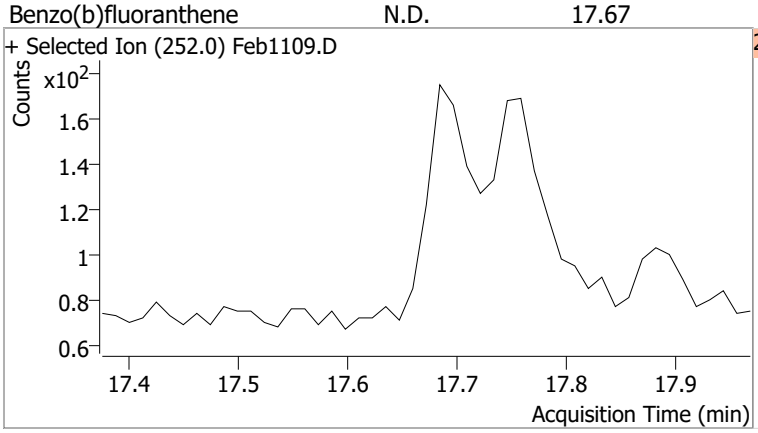


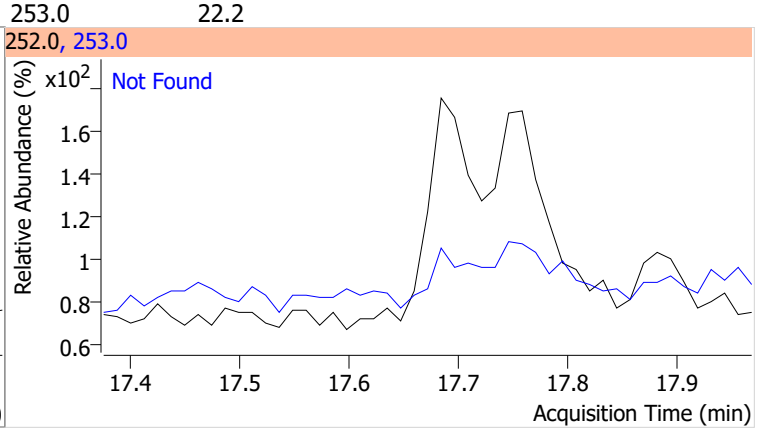
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



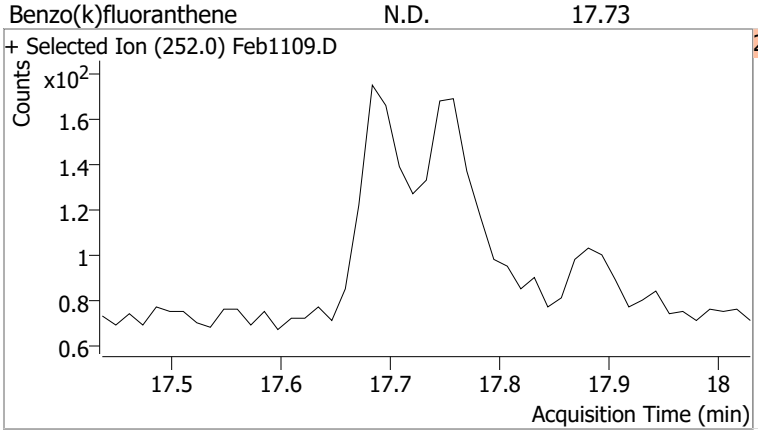


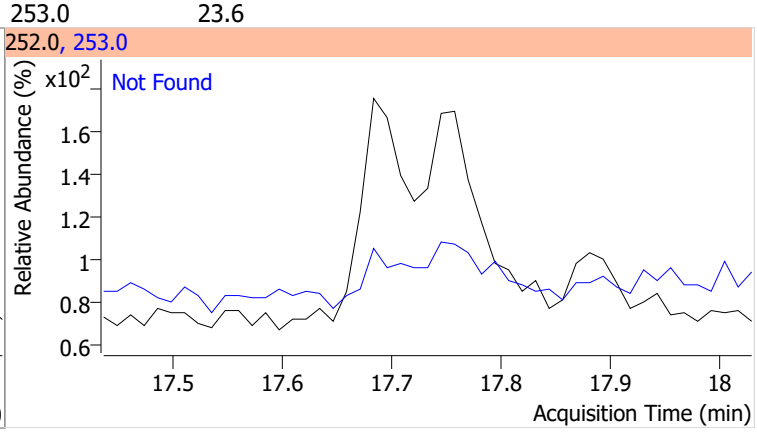
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.67	253.0	22.2



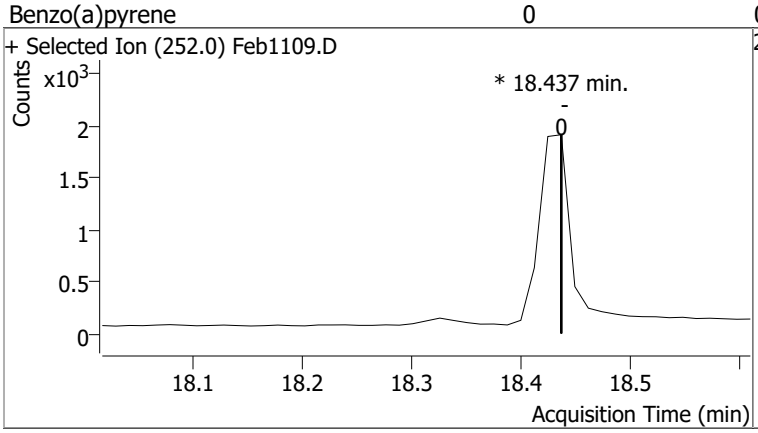


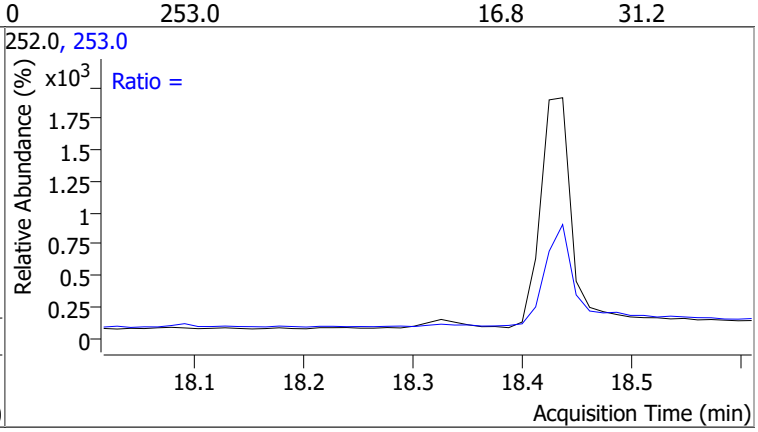
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.73	253.0	23.6



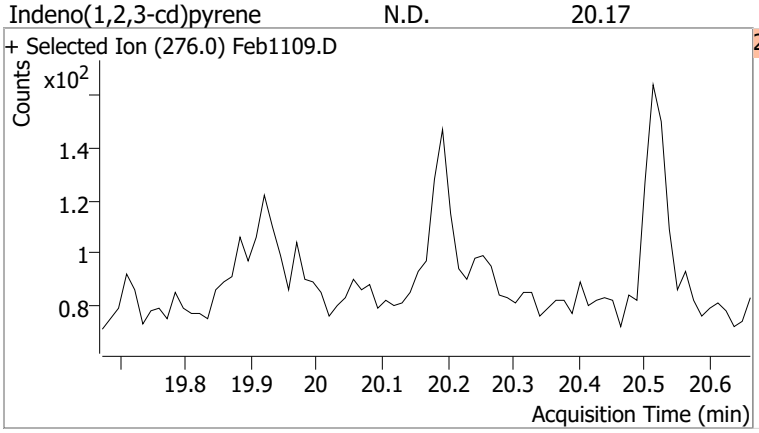


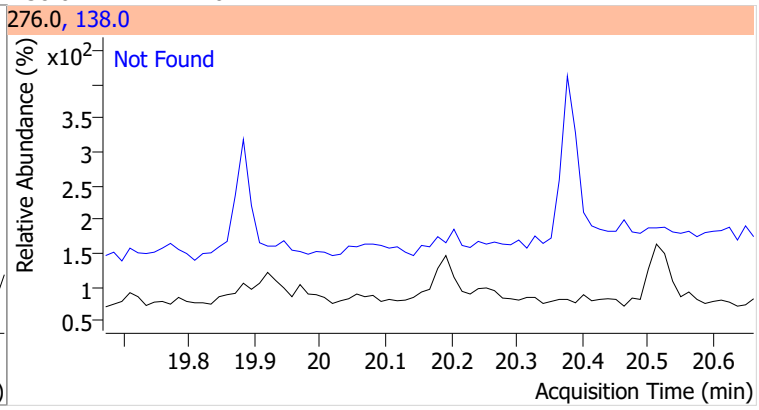
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



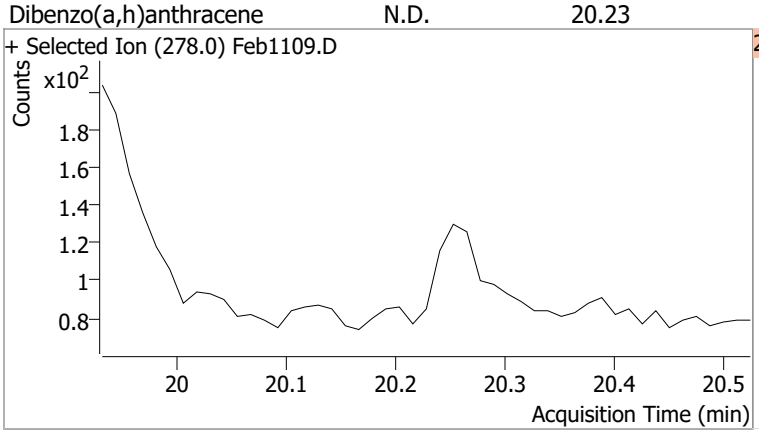


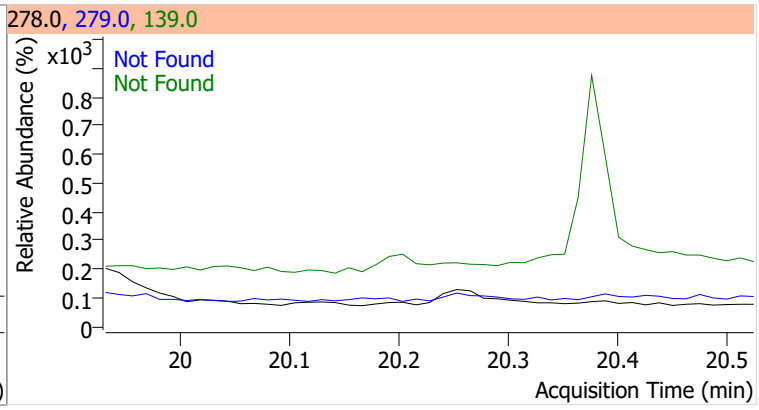
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.17	138.0	20.2



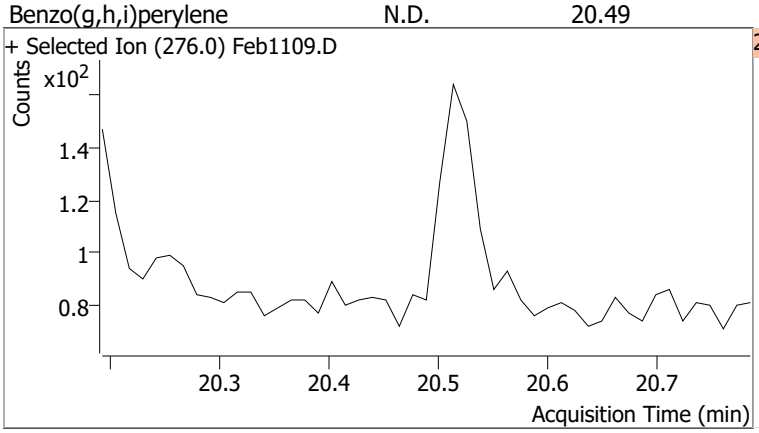


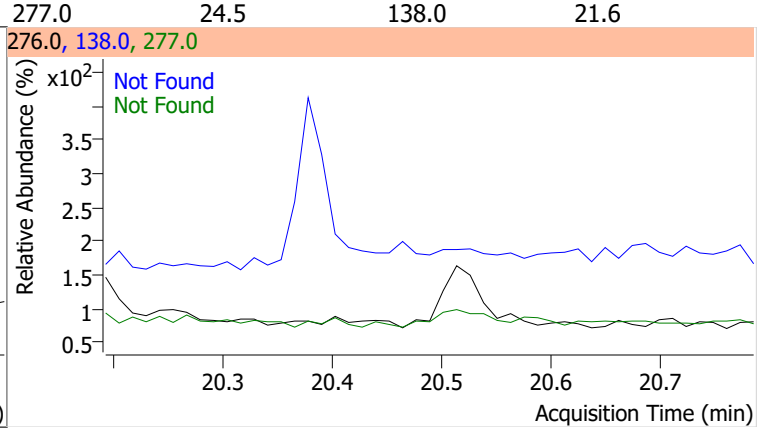
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.9	139.0	16.2





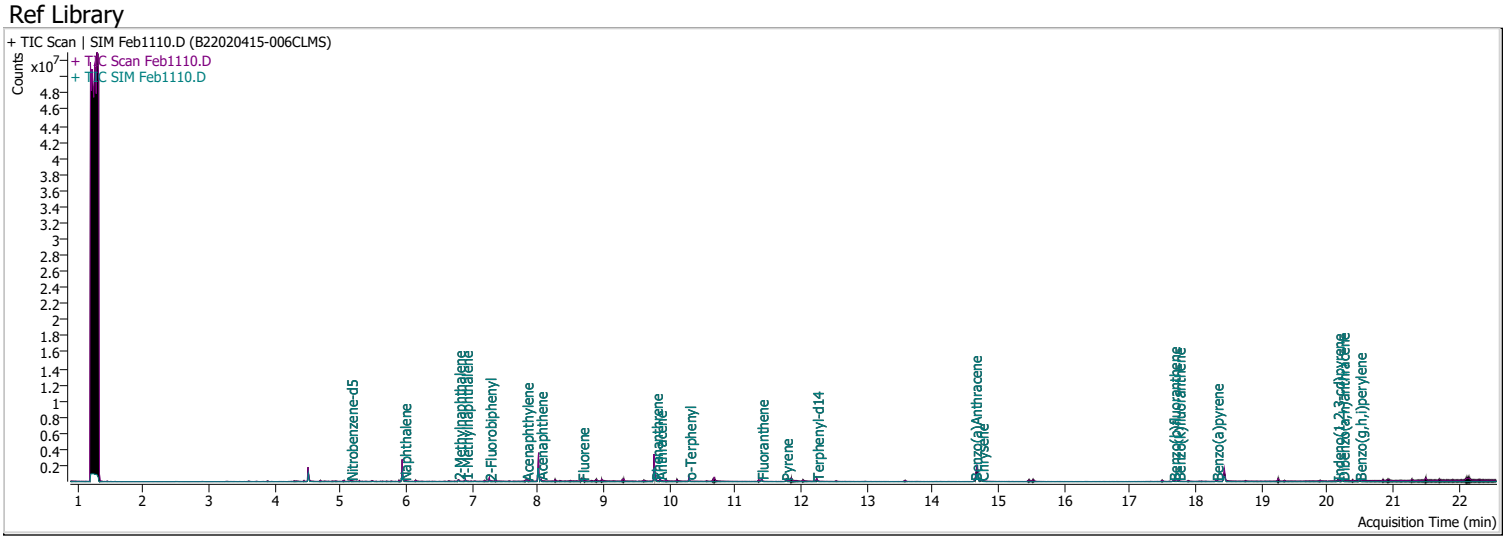
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb1110.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 7:39:04 PM
Sample Name	B22020415-006CLMS	Instrument	GCMS
Vial	10	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			

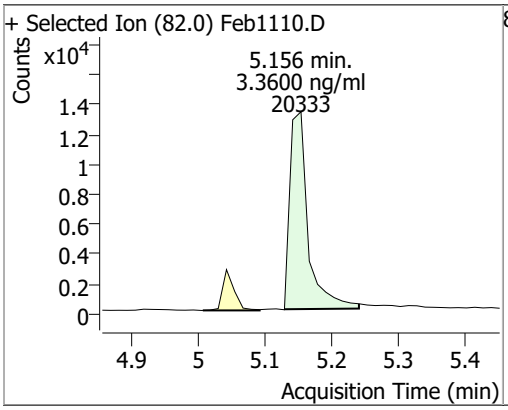


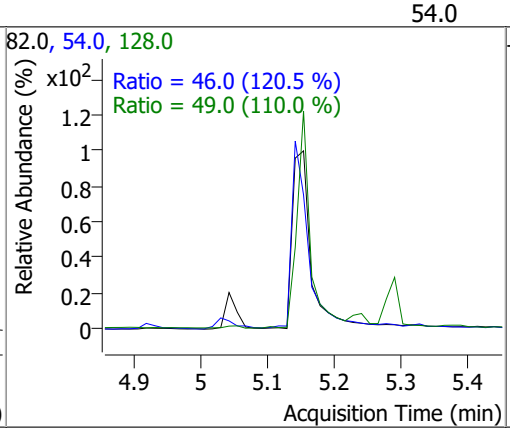
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	303570	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1160200	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	741326	40.0000	ng/ml		-0.013
M Phenanthrene-d10	9.768	188.0	1535419	40.0000	ng/ml		0.000
M Chrysene-d12	14.677	240.0	1271278	40.0000	ng/ml		0.000
M Perylene-d12	18.438	264.0	832571	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.156	82.0	20333	3.3600	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 67.20%			
S 2-Fluorobiphenyl	7.265	172.0	98464	4.2665	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 85.33%			
S o-Terphenyl	10.299	230.0	96155	4.0732	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 81.46%			
S Terphenyl-d14	12.238	244.0	164446	6.0335	ng/ml		0.000
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 120.67%		*	
Target Compounds							**QValue**
T Naphthalene	5.966	128.0	85957	2.7501	ng/ml		95
T 2-Methylnaphthalene	6.790	141.0	60255	3.1626	ng/ml		100
T 1-Methylnaphthalene	6.902	141.0	56647	2.8587	ng/ml		96
T Acenaphthylene	7.826	152.0	98975	3.4828	ng/ml		96
T Acenaphthene	8.038	154.0	77233	3.8275	ng/ml		98
T Fluorene	8.673	166.0	92775	3.8237	ng/ml		83
T Phenanthrene	9.793	178.0	152818	3.7717	ng/ml		96
T Anthracene	9.854	178.0	134026	4.0468	ng/ml		99
T Fluoranthene	11.398	202.0	173620	4.4753	ng/ml		100
T Pyrene	11.769	202.0	188041	4.4057	ng/ml		97
T Benzo(a)Anthracene	14.639	228.0	143460	4.8365	ng/ml		98
T Chrysene	14.739	228.0	183231	4.4840	ng/ml		97
T Benzo(b)fluoranthene	17.659	252.0	130437	4.4083	ng/ml		98

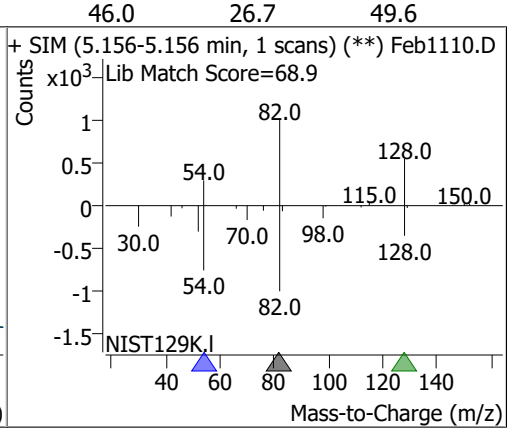
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(k)fluoranthene	17.733	252.0	136007	4.1504	ng/ml	99
T Benzo(a)pyrene	18.314	252.0	100821	3.9681	ng/ml	100
T Indeno(1,2,3-cd)pyrene	20.155	276.0	97473	4.2537	ng/ml	97
T Dibenzo(a,h)anthracene	20.229	278.0	119593	4.5627	ng/ml	98
T Benzo(g,h,i)perylene	20.489	276.0	139063	4.4656	ng/ml	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

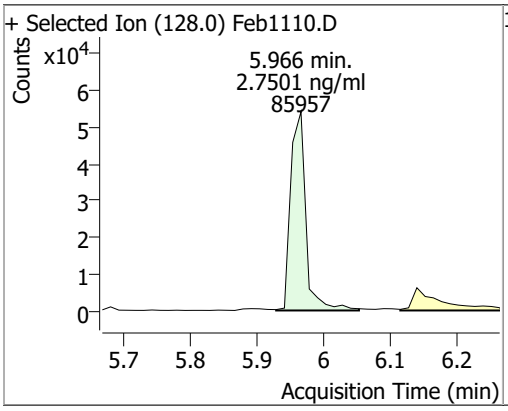
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	3.3600	5.16	0.00	20333	128.0	49.0	31.2	57.9
					54.0	46.0	26.7	49.6

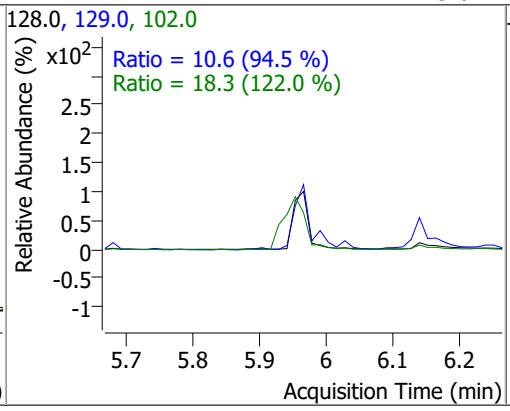


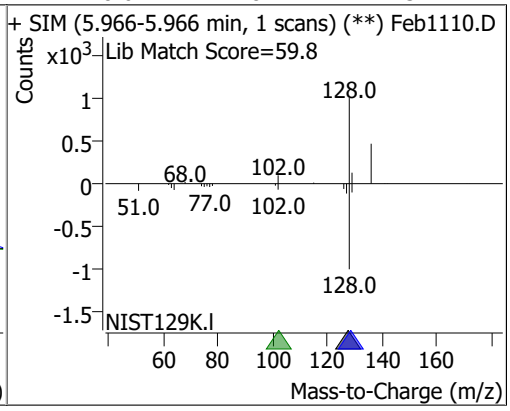




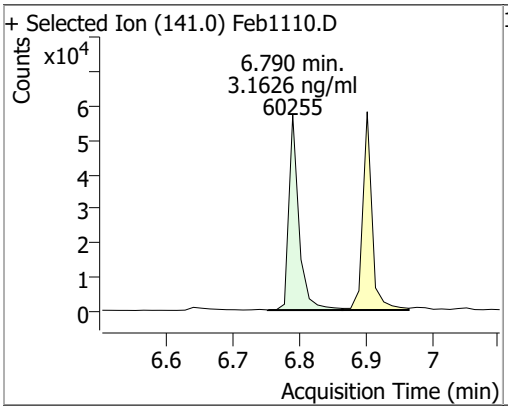
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	2.7501	5.97	0.00	85957	102.0	18.3	0.0	45.0
					129.0	10.6	7.8	14.5

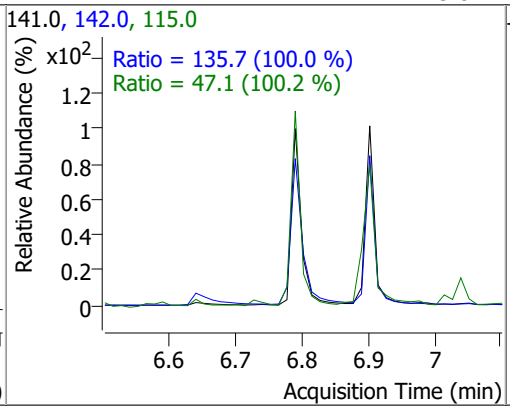


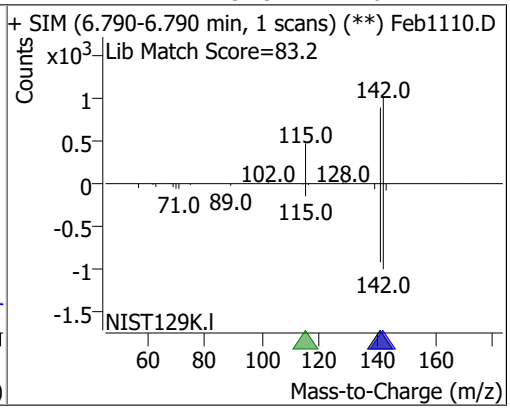




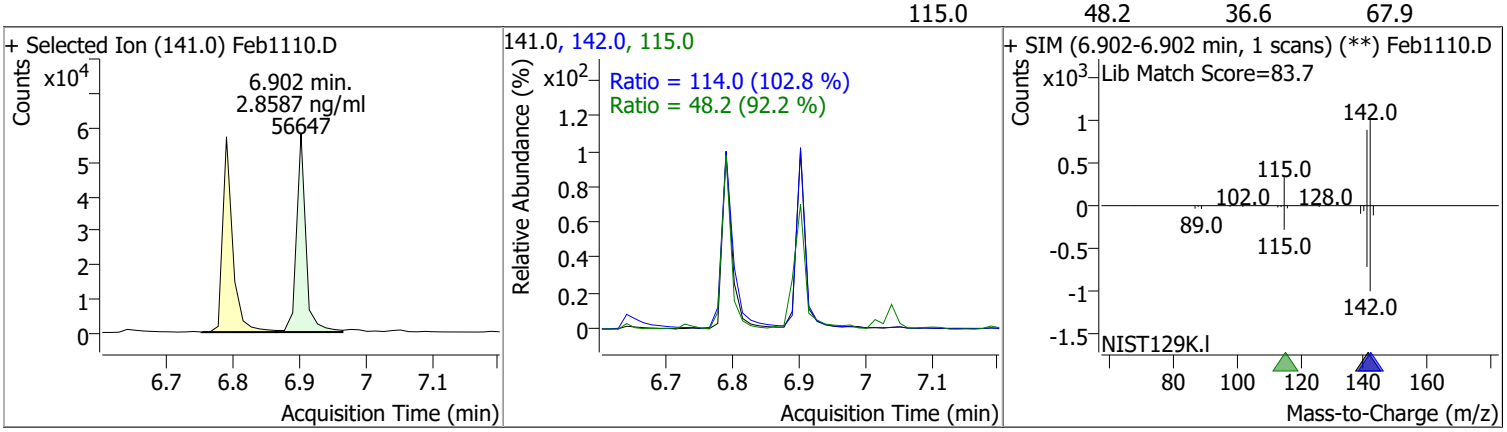
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	3.1626	6.79	-0.01	60255	142.0	135.7	95.0	176.4
					115.0	47.1	32.9	61.2



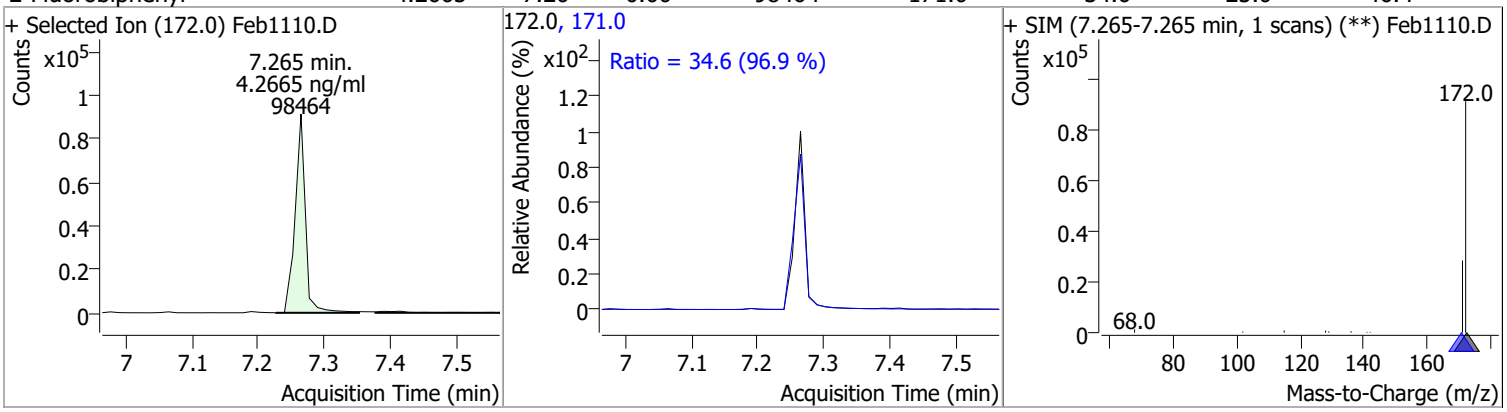




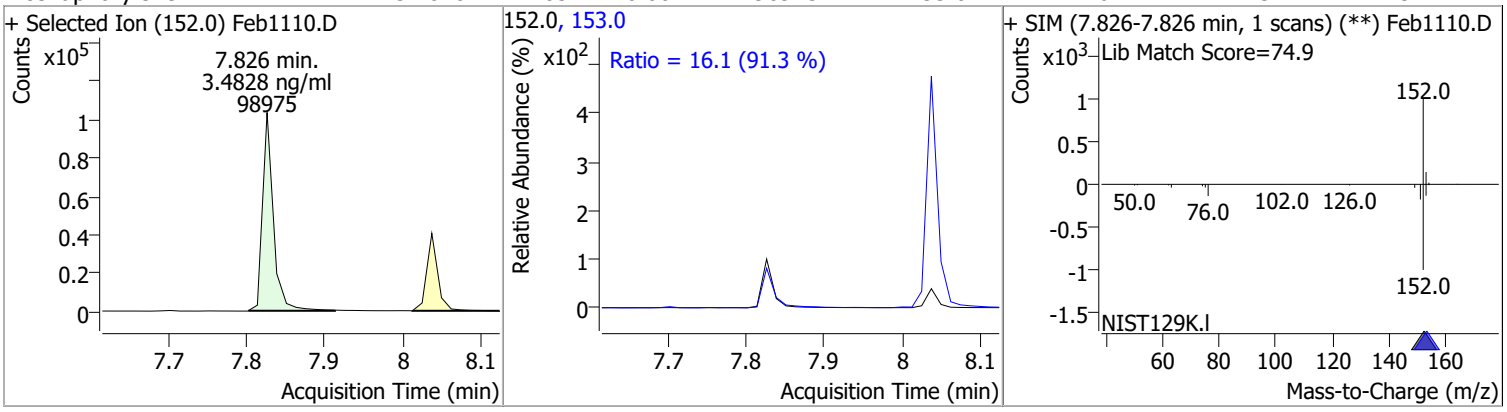
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	2.8587	6.90	0.00	56647	142.0	114.0	77.7	144.2
					115.0	48.2	36.6	67.9



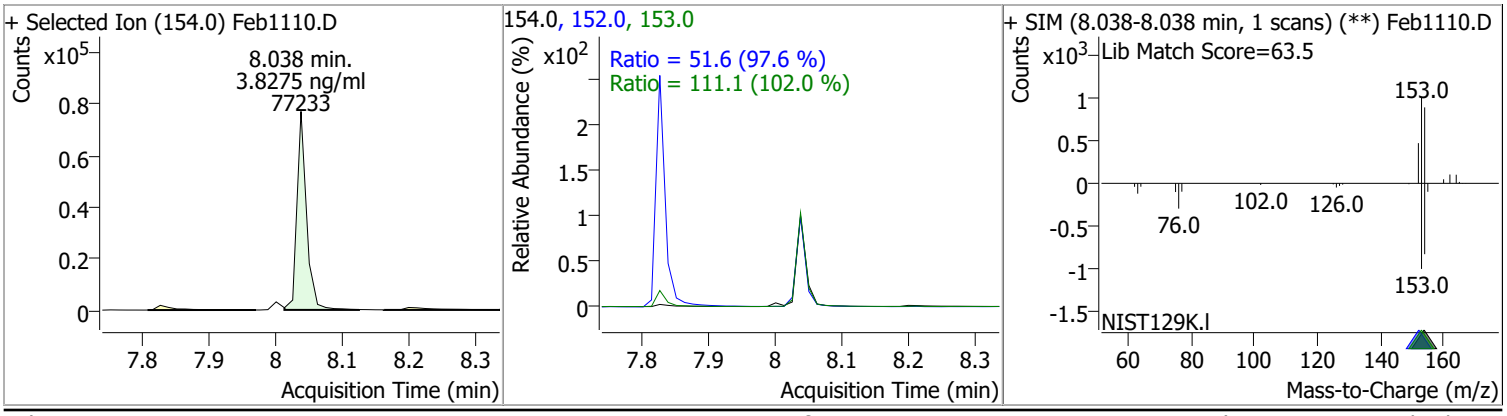
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	4.2665	7.26	0.00	98464	171.0	34.6	25.0	46.4



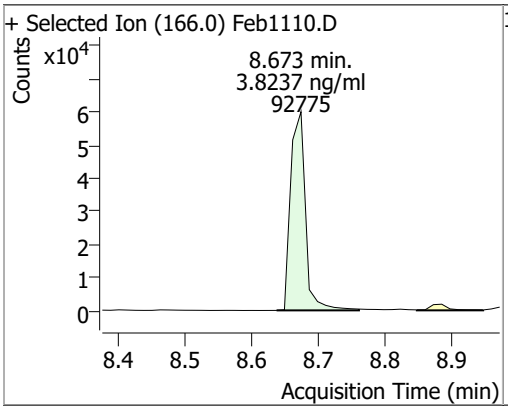
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	3.4828	7.83	0.00	98975	153.0	16.1	12.3	22.9

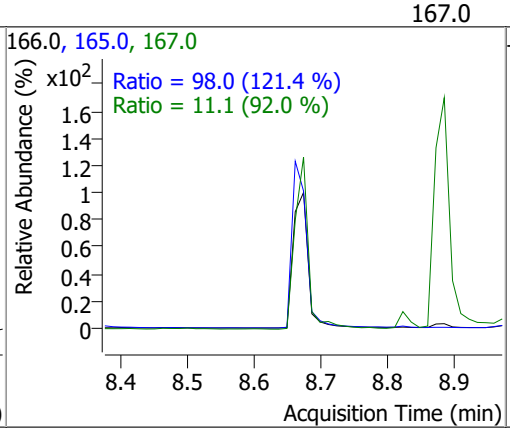


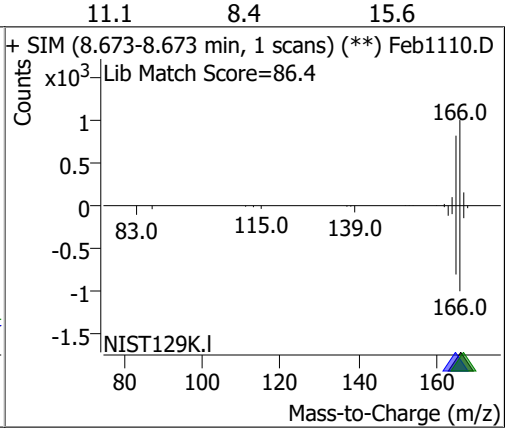
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	3.8275	8.04	0.00	77233	153.0	111.1	76.2	141.5
					152.0	51.6	37.0	68.7



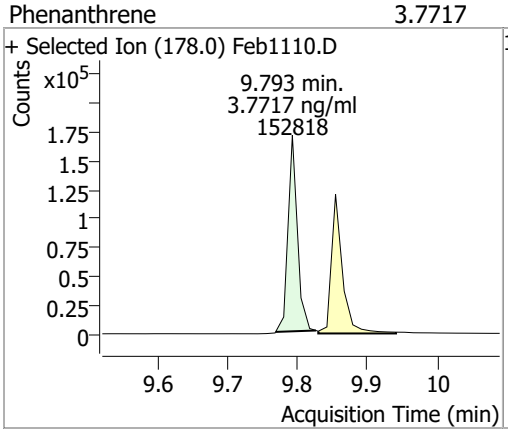
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	3.8237	8.67	0.00	92775	165.0	98.0	56.5	104.9
					167.0	11.1	8.4	15.6

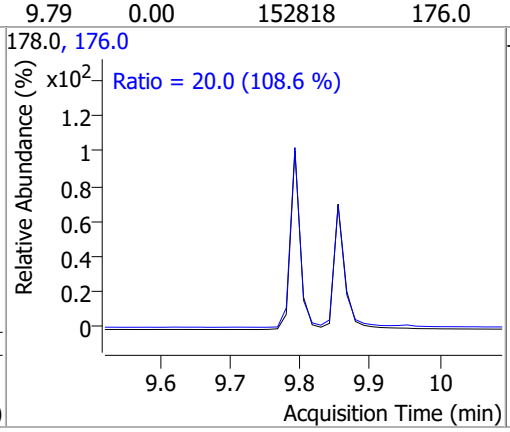


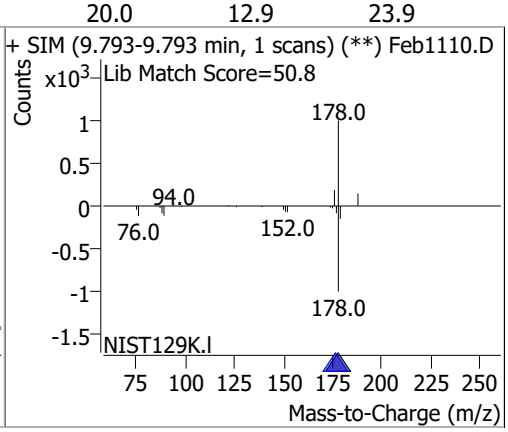




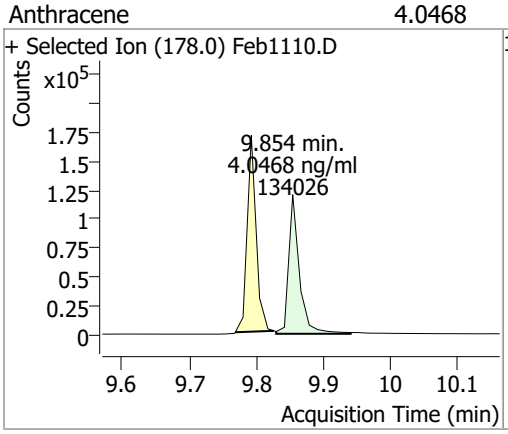
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	3.7717	9.79	0.00	152818	176.0	20.0	12.9	23.9

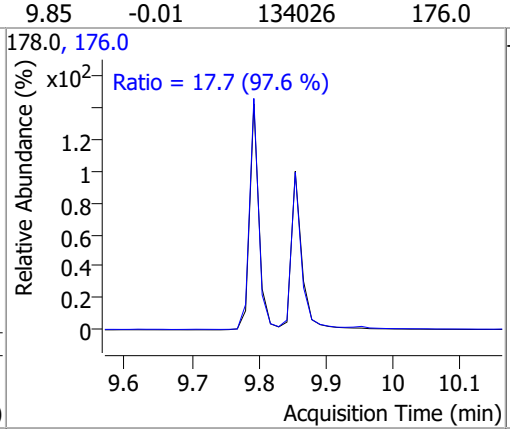


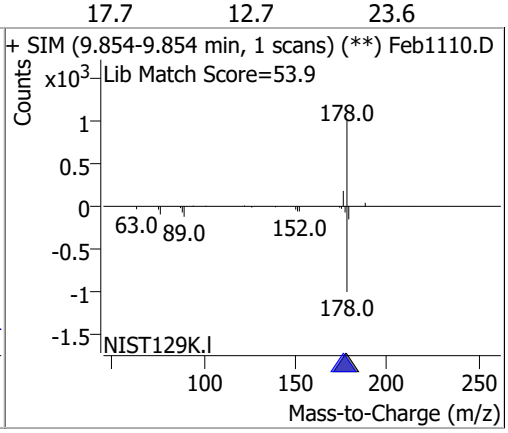




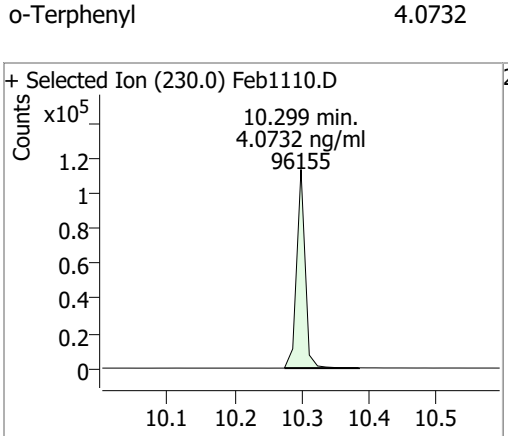
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	4.0468	9.85	-0.01	134026	176.0	17.7	12.7	23.6

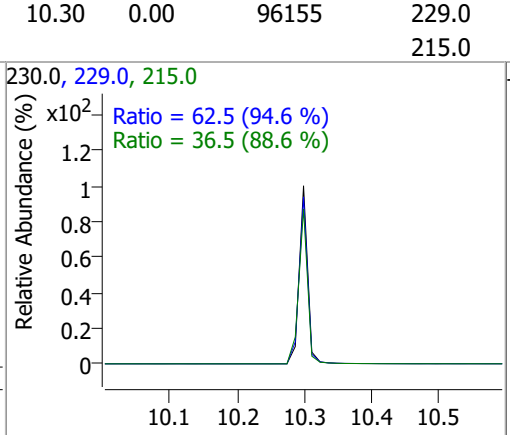


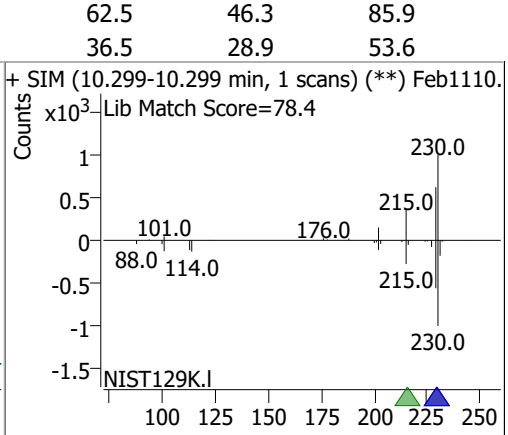




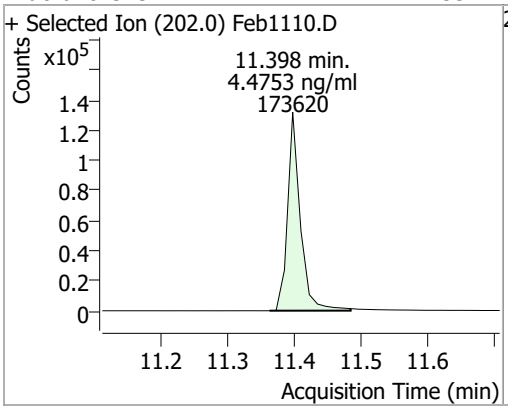
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.0732	10.30	0.00	96155	229.0	62.5	46.3	85.9
					215.0	36.5	28.9	53.6

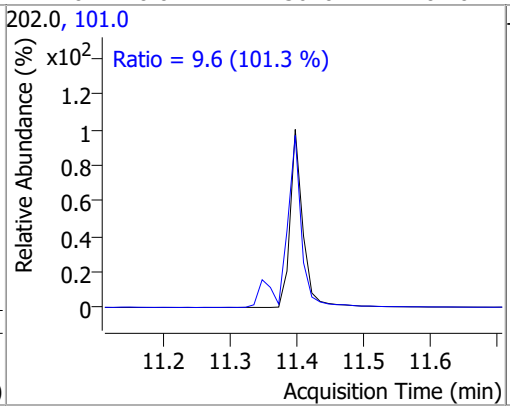


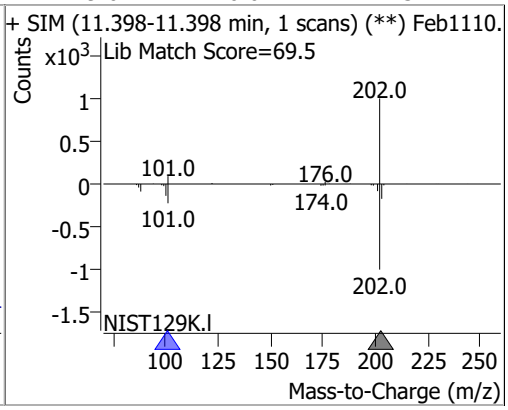




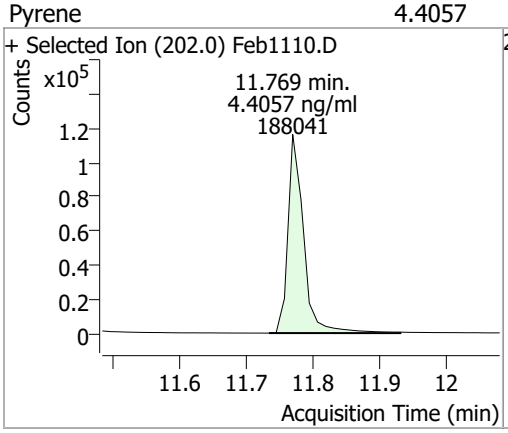
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	4.4753	11.40	-0.01	173620	101.0	9.6	6.6	12.3

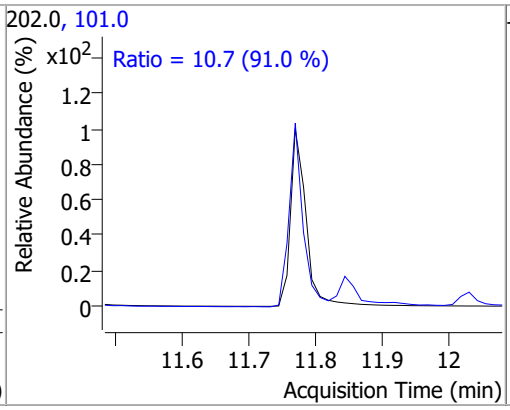


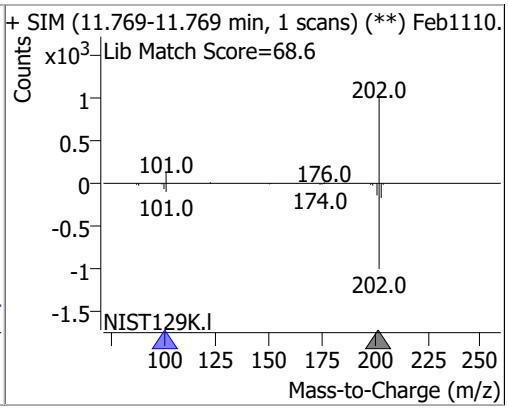




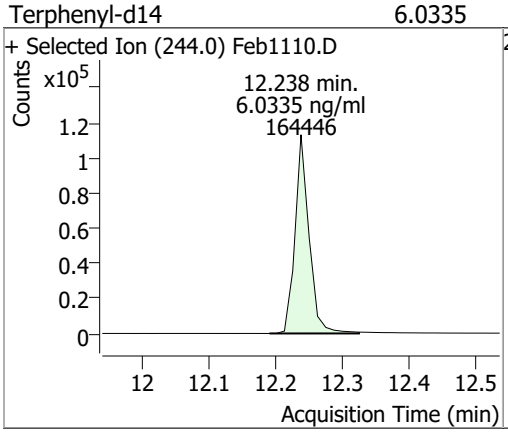
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	4.4057	11.77	-0.01	188041	101.0	10.7	8.2	15.2

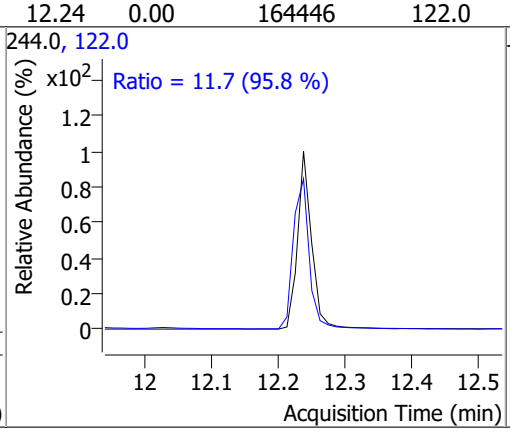


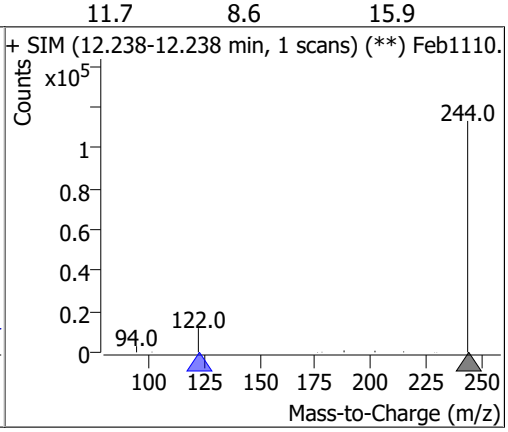




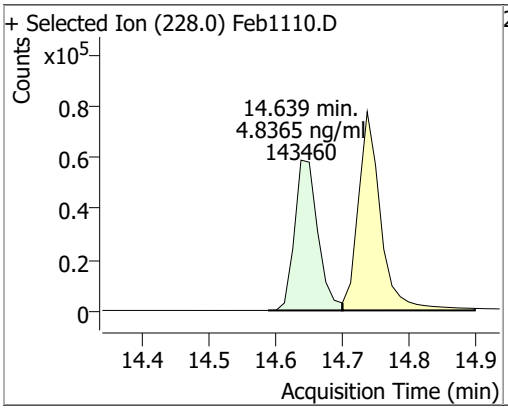
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	6.0335	12.24	0.00	164446	122.0	11.7	8.6	15.9

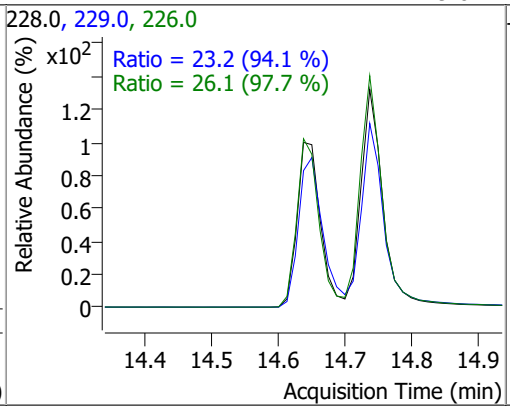


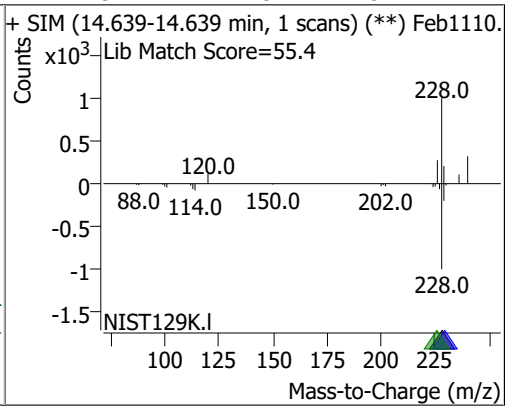




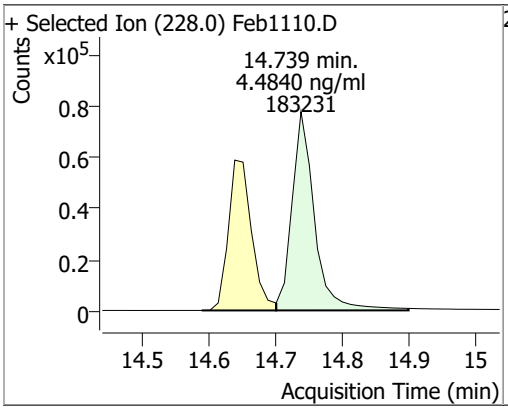
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	4.8365	14.64	0.00	143460	226.0	26.1	18.7	34.8
					229.0	23.2	17.3	32.1

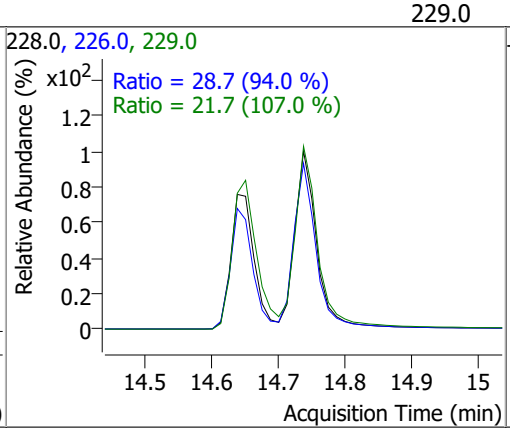


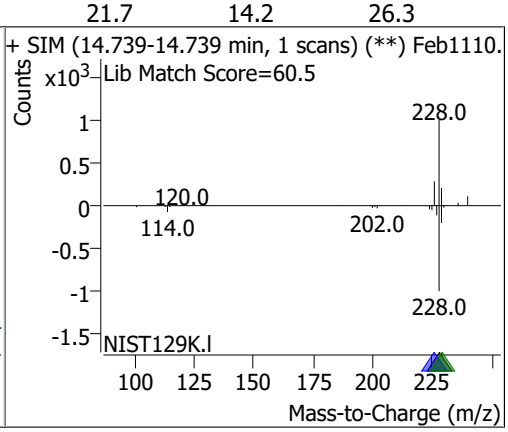




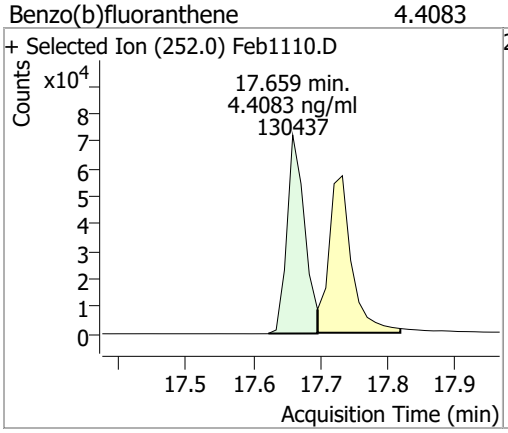
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	4.4840	14.74	0.00	183231	226.0	28.7	21.4	39.7
					229.0	21.7	14.2	26.3

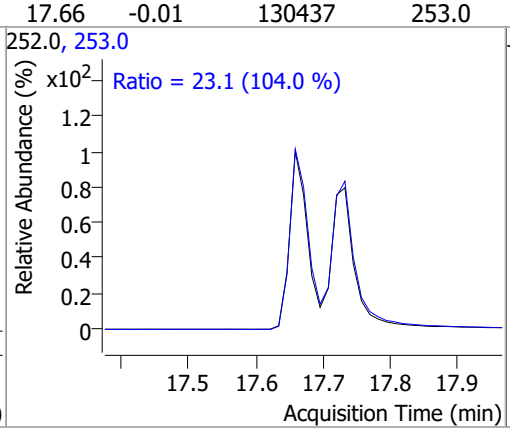


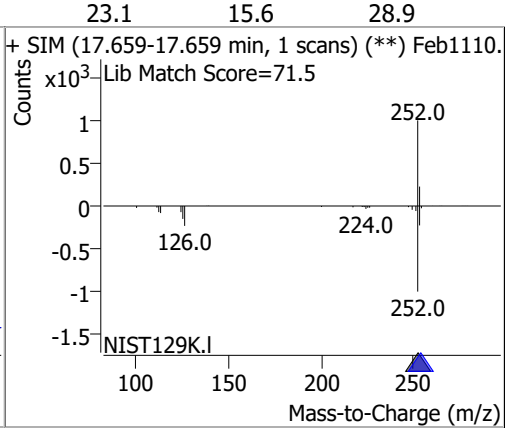




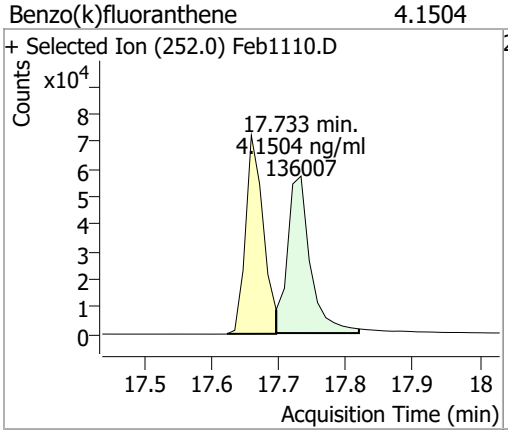
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	4.4083	17.66	-0.01	130437	253.0	23.1	15.6	28.9

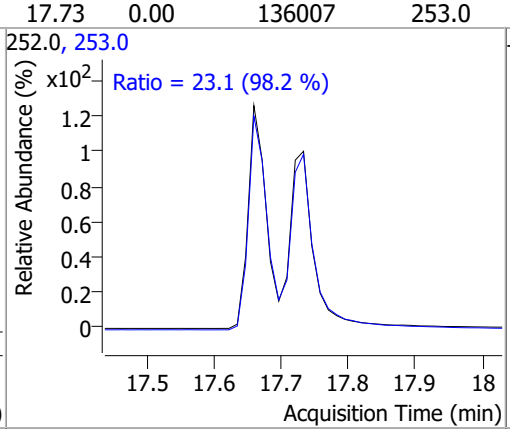


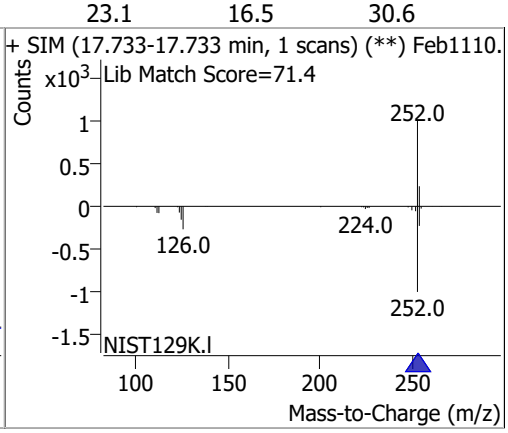




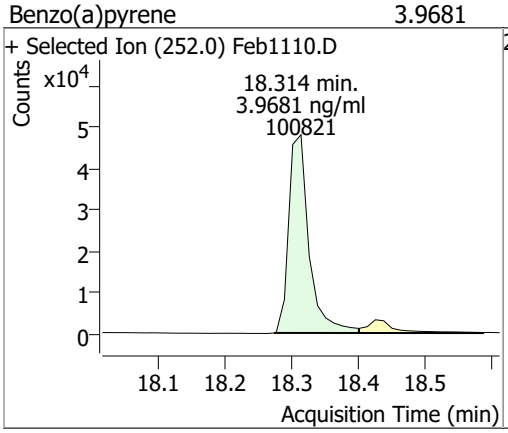
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	4.1504	17.73	0.00	136007	253.0	23.1	16.5	30.6

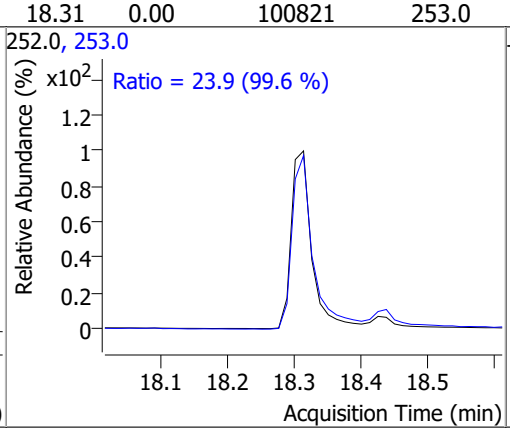


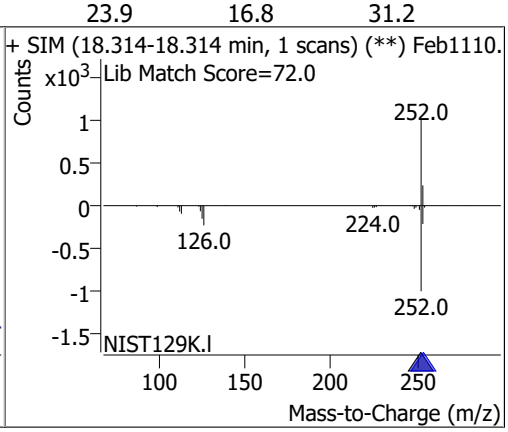




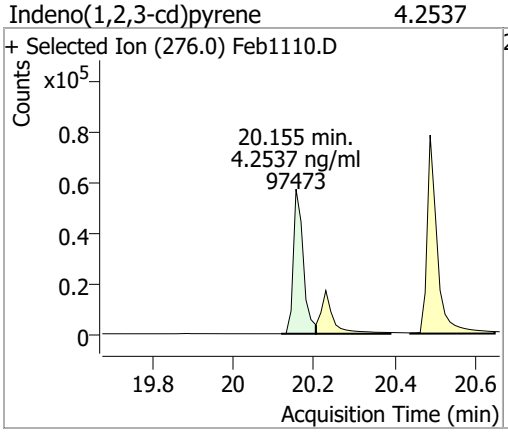
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	3.9681	18.31	0.00	100821	253.0	23.9	16.8	31.2

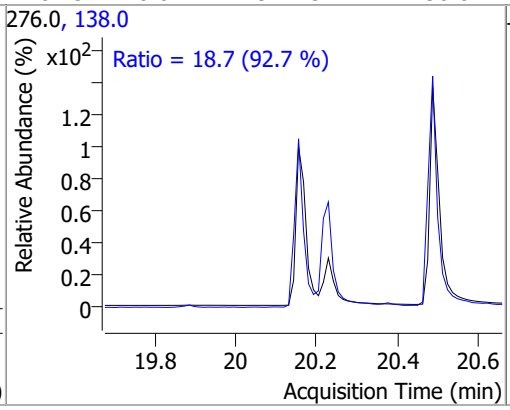


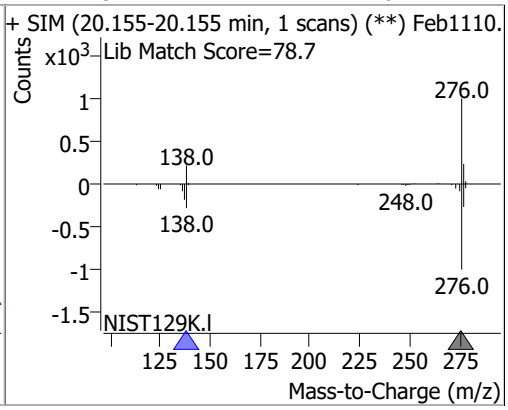




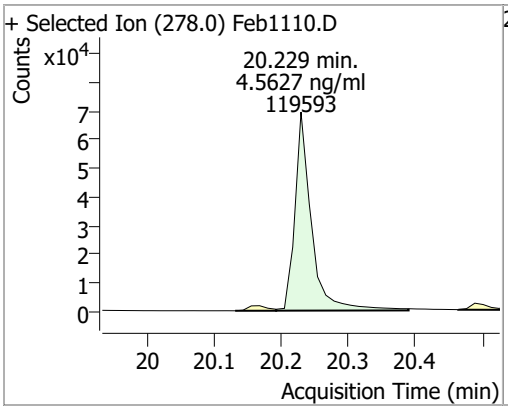
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	4.2537	20.15	-0.01	97473	138.0	18.7	14.1	26.2

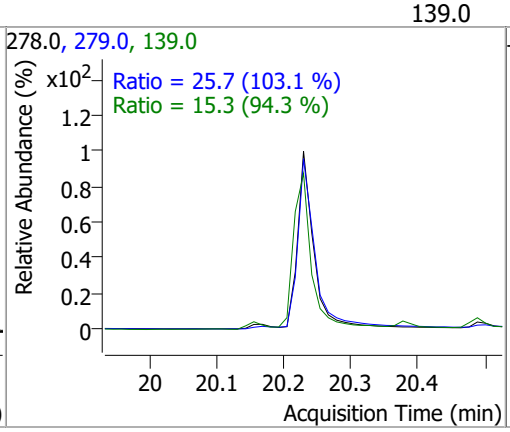


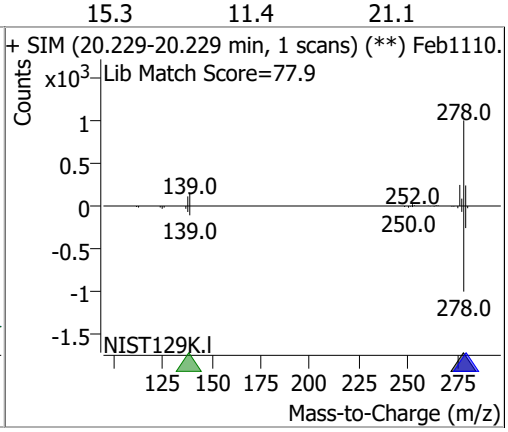




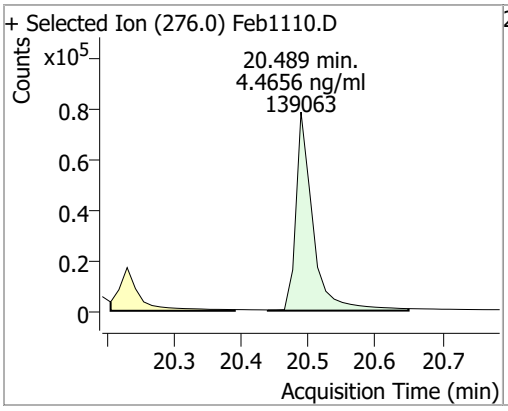
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	4.5627	20.23	0.00	119593	279.0	25.7	17.4	32.4
					139.0	15.3	11.4	21.1

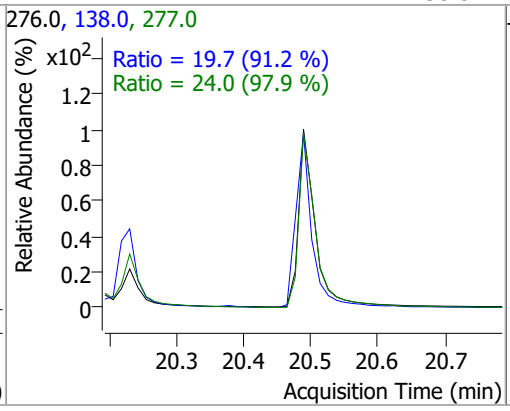


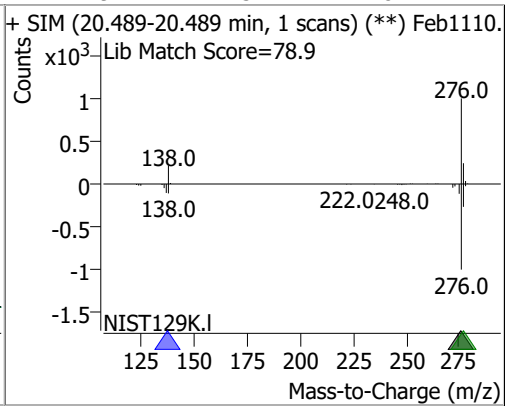




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	4.4656	20.49	0.00	139063	277.0	24.0	17.2	31.9
					138.0	19.7	15.1	28.1

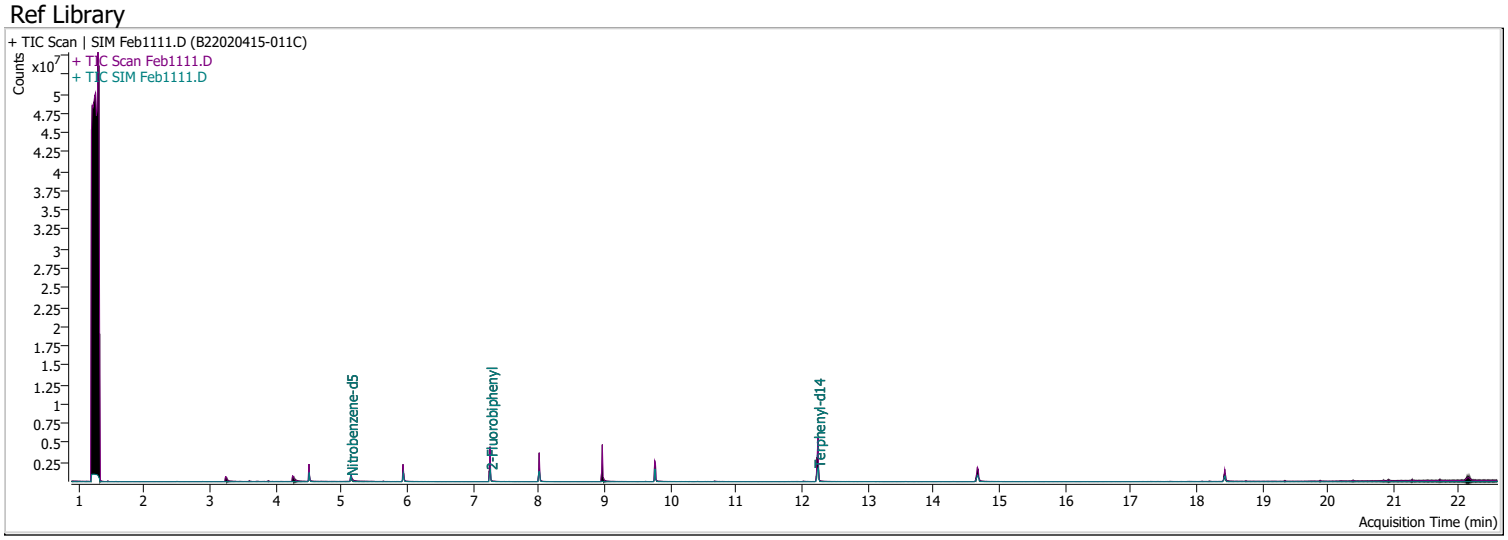






Quantitation Results Report (QT Reviewed)

Data File	Feb1111.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 8:11:36 PM
Sample Name	B22020415-011C	Instrument	GCMS
Vial	11	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			



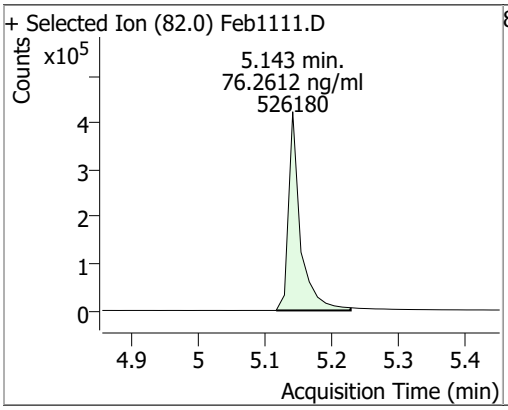
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	346114	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1191552	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.013	164.0	796177	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1473092	40.0000	ng/ml		0.000
M Chrysene-d12	14.677	240.0	1287516	40.0000	ng/ml		0.000
M Perylene-d12	18.437	264.0	810734	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	526180	76.2612	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1525.22%		*	
S 2-Fluorobiphenyl	7.264	172.0	1460471	65.5092	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1310.18%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.251	244.0	2510927	60.6599	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1213.20%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.000	154.0	0		ng/ml	md	1
T Fluorene	8.673	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	14.739	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

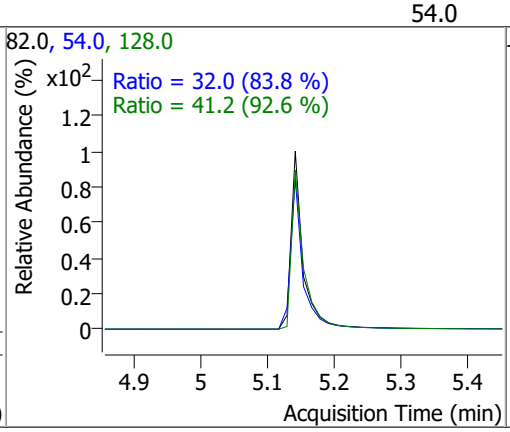
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.437	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

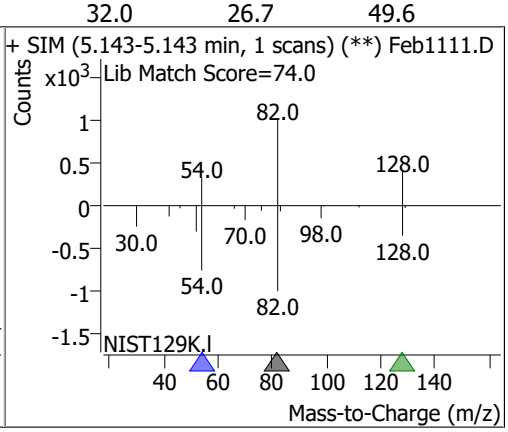
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (QT Reviewed)

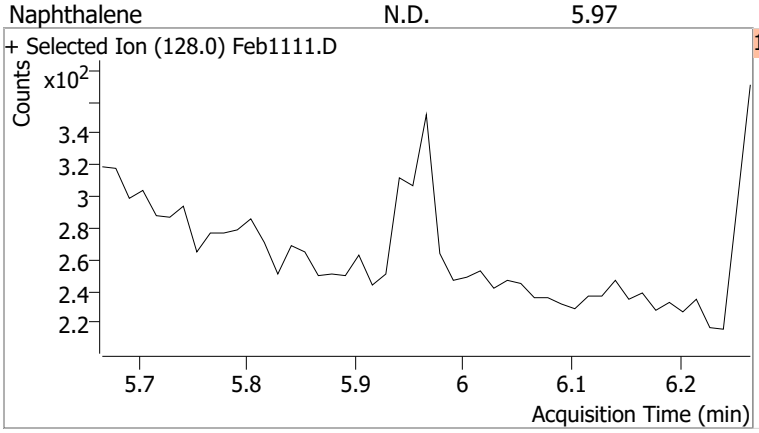
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	76.2612	5.14	-0.01	526180	128.0	41.2	31.2	57.9
					54.0	32.0	26.7	49.6

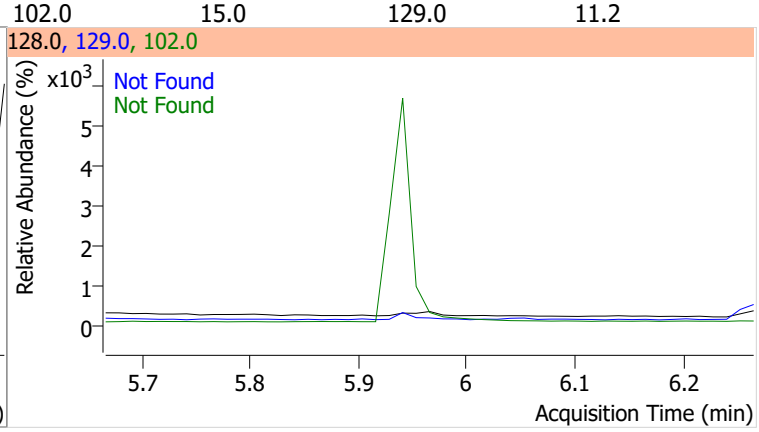




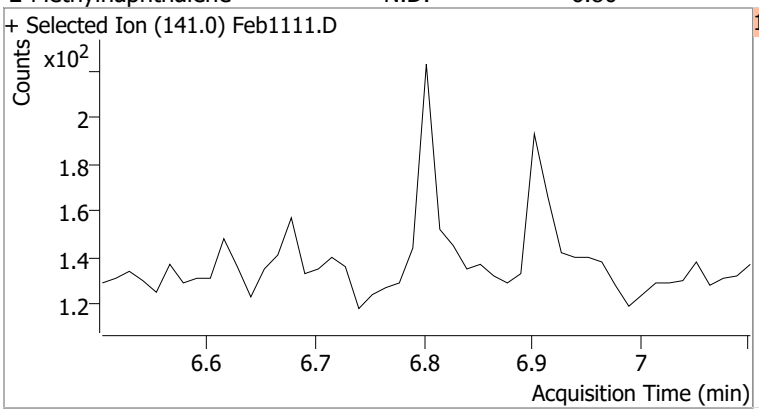


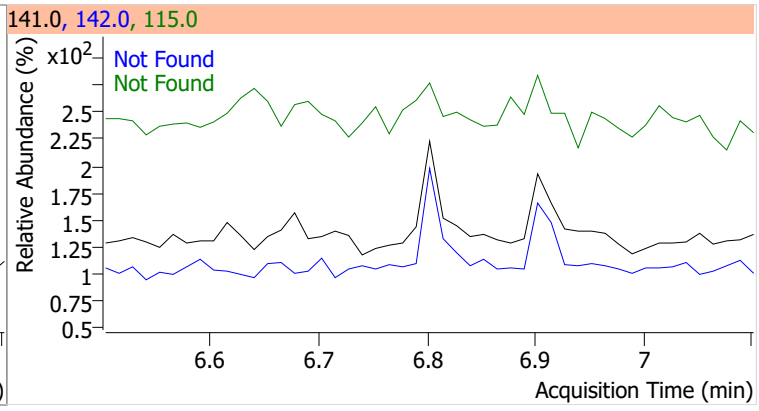
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.97	102.0	15.0	129.0	11.2



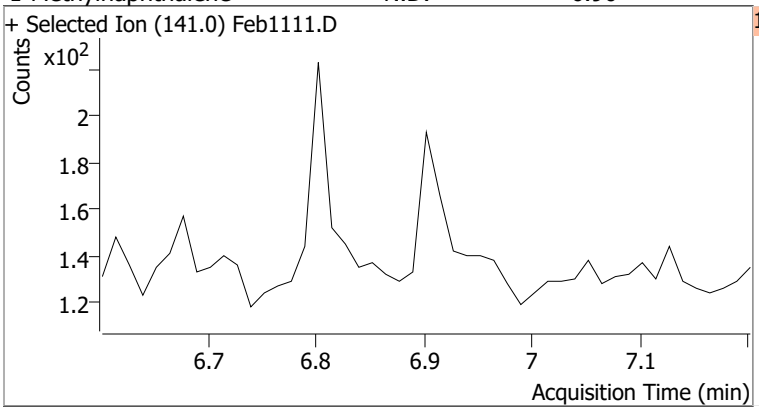


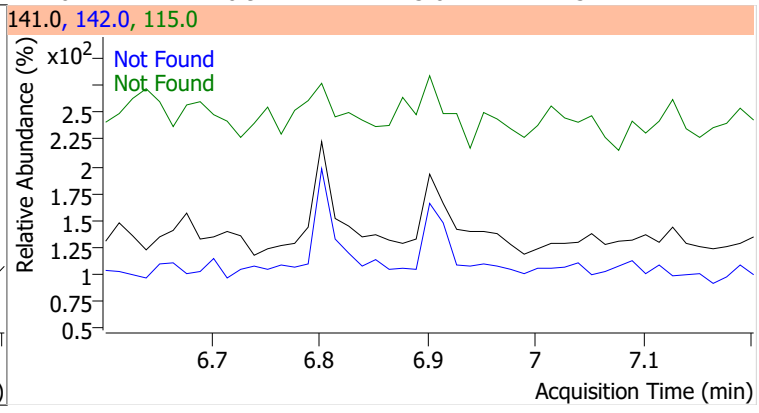
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.80	142.0	135.7	115.0	47.1



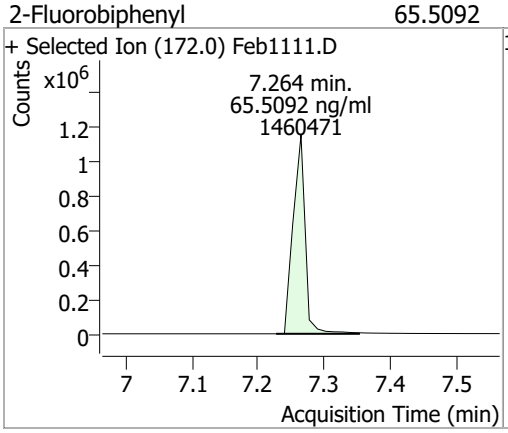


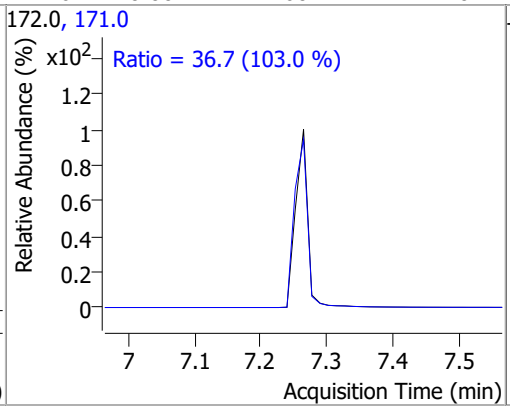
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	110.9	115.0	52.2

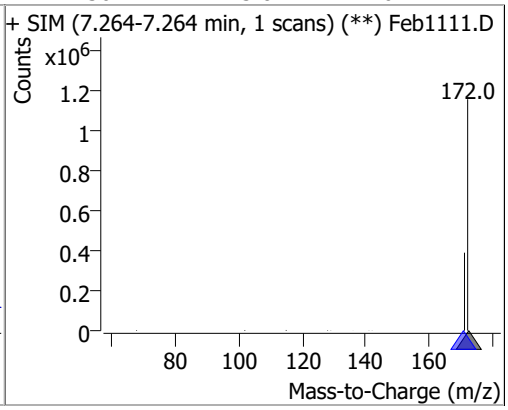




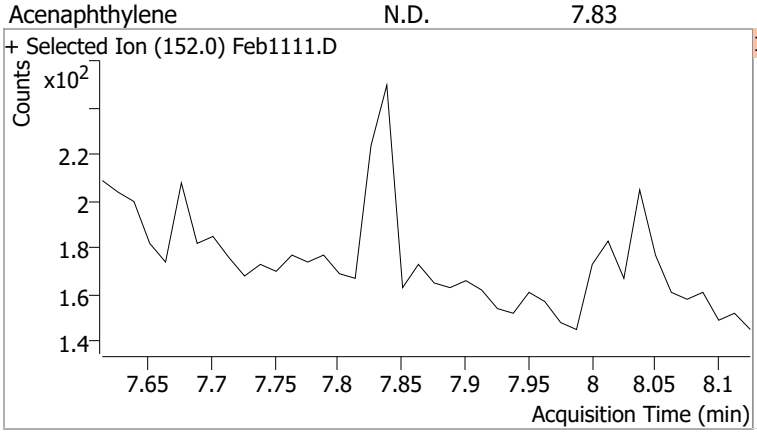
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	65.5092	7.26	0.00	1460471	171.0	36.7	25.0	46.4

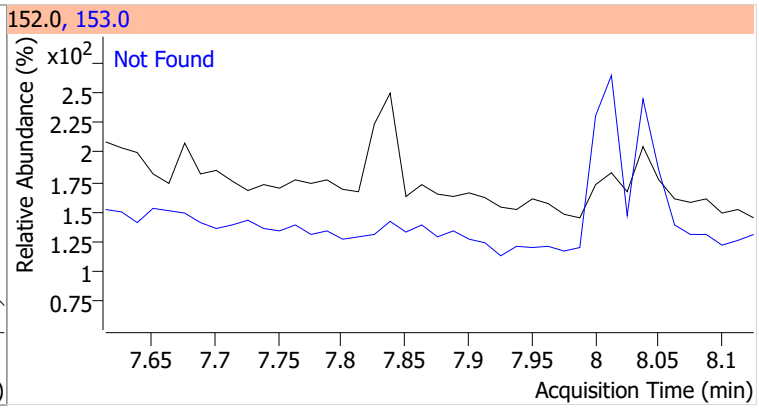




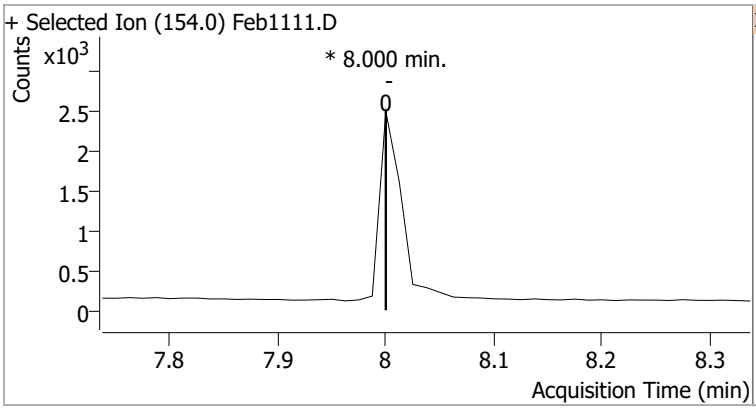


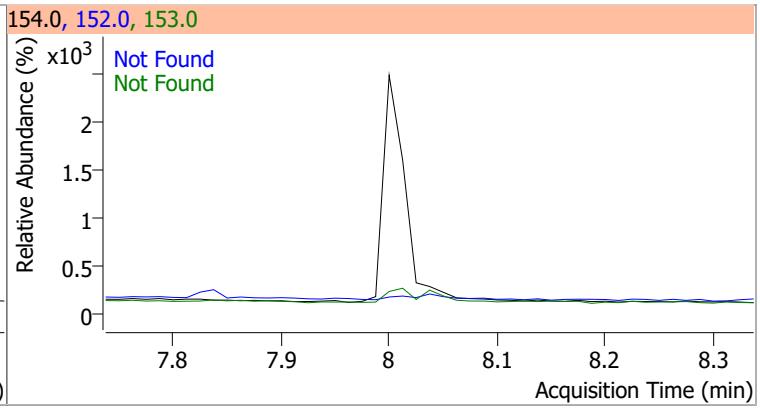
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	17.6



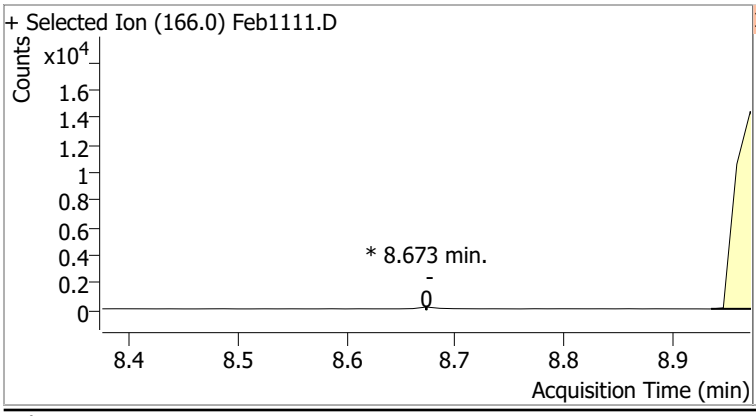


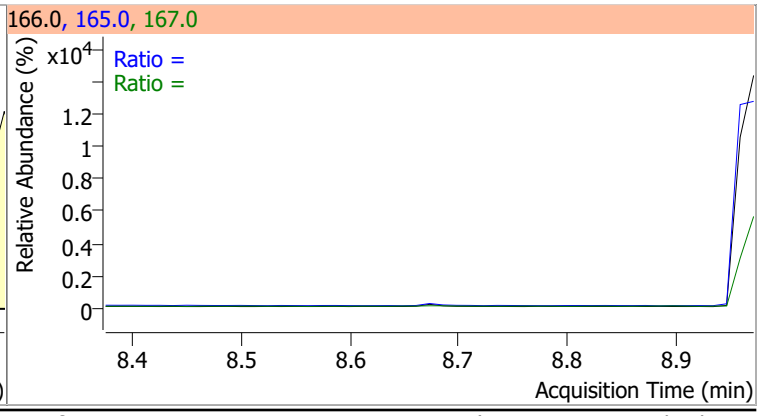
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



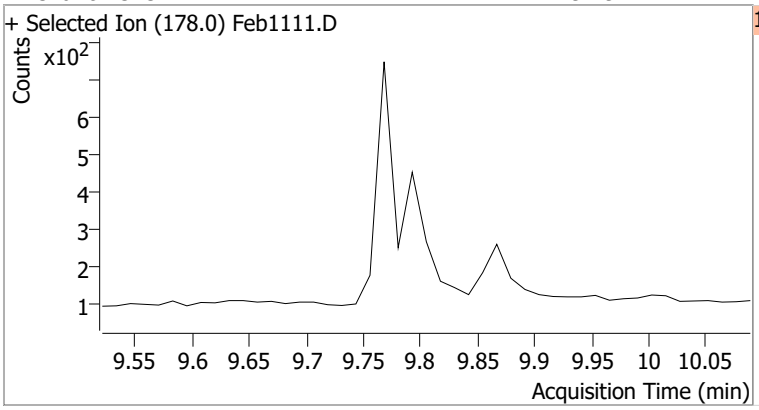


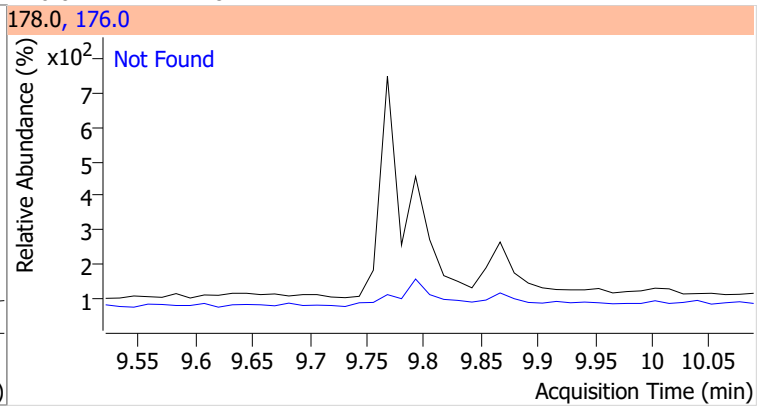
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



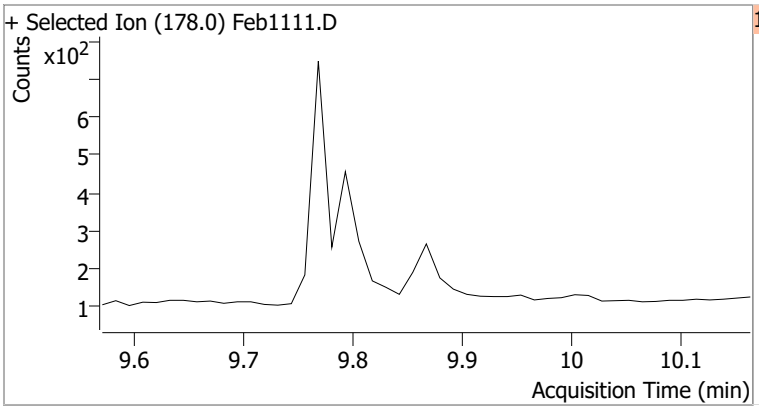


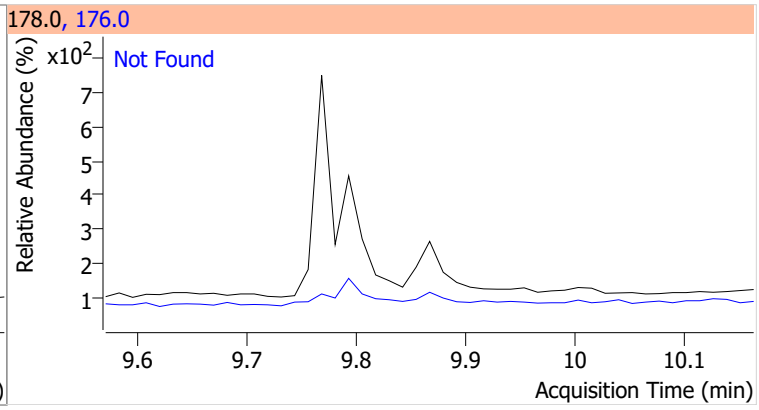
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.4



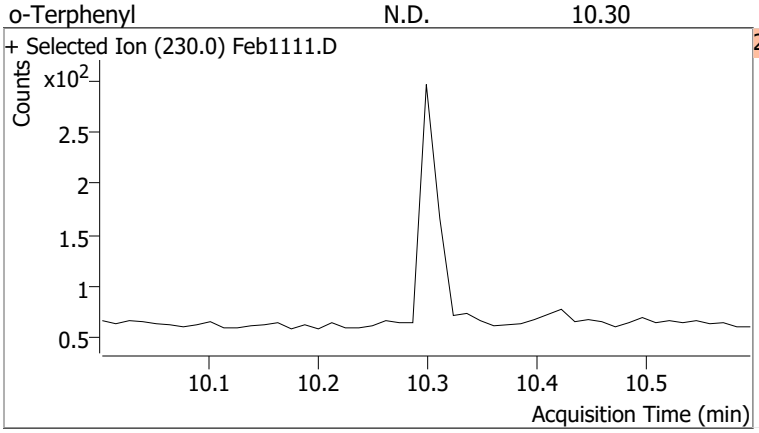


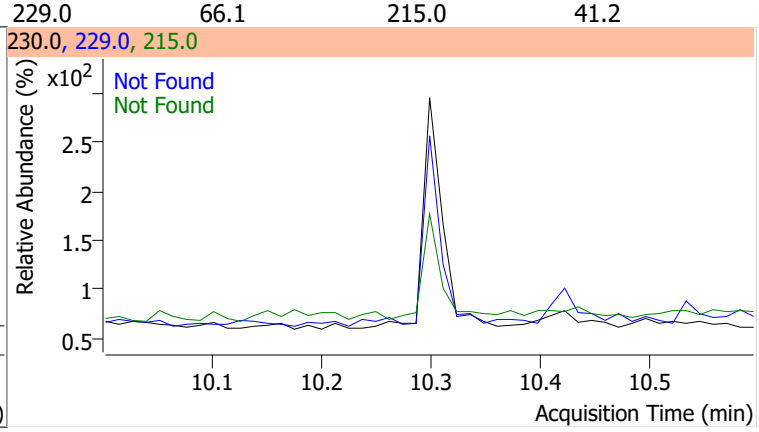
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.87	176.0	18.1



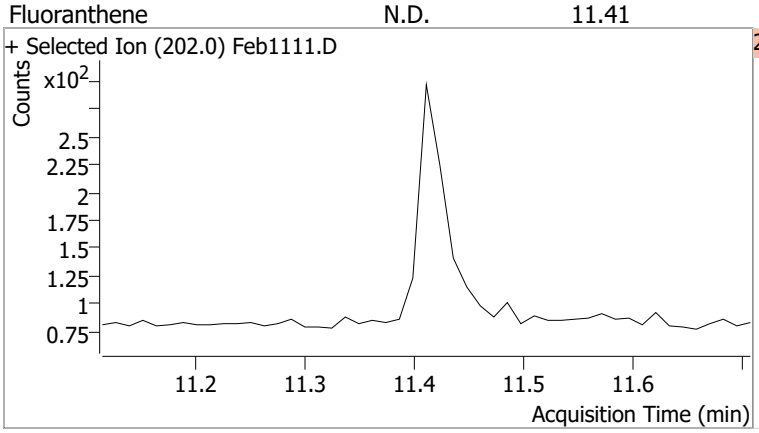


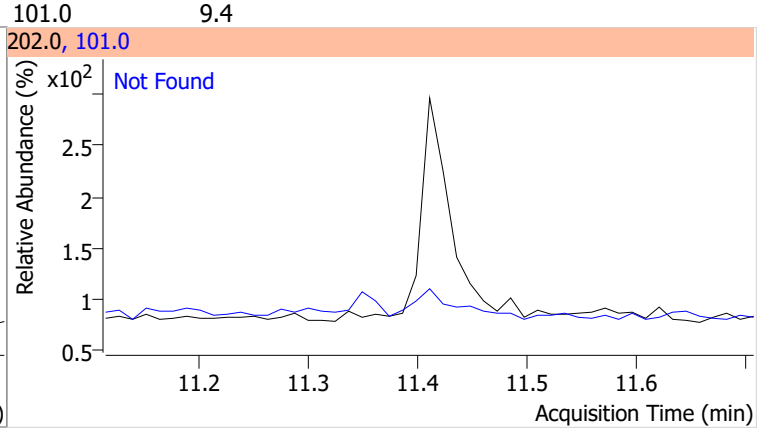
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.30	229.0	66.1	215.0	41.2



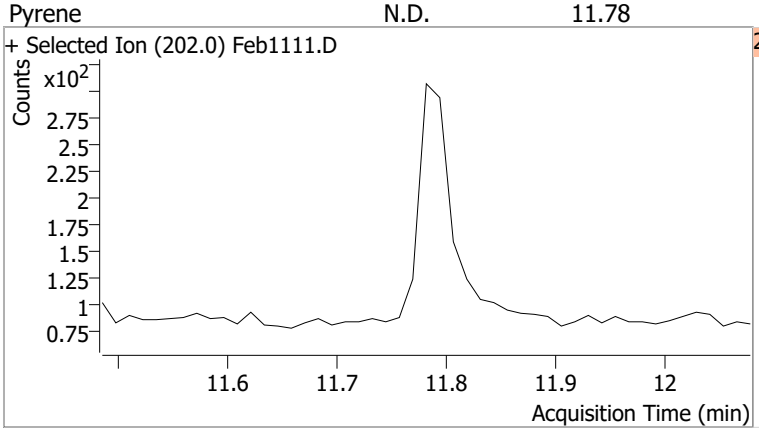


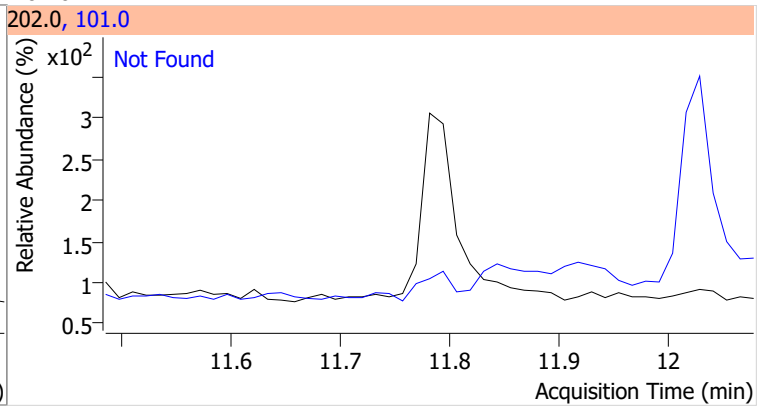
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.41	101.0	9.4



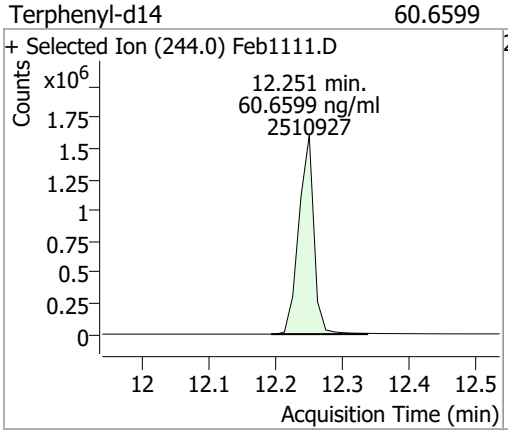


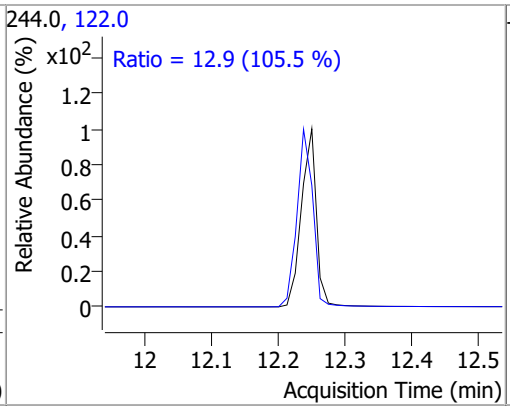
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.78	101.0	11.7

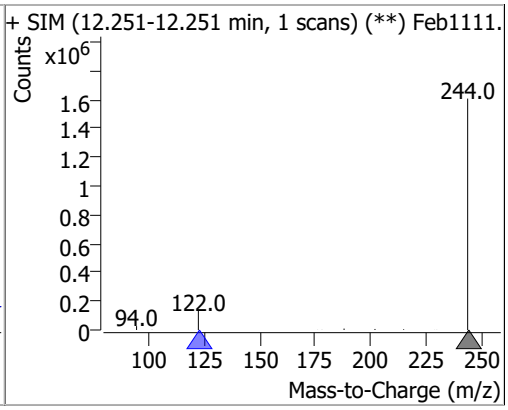




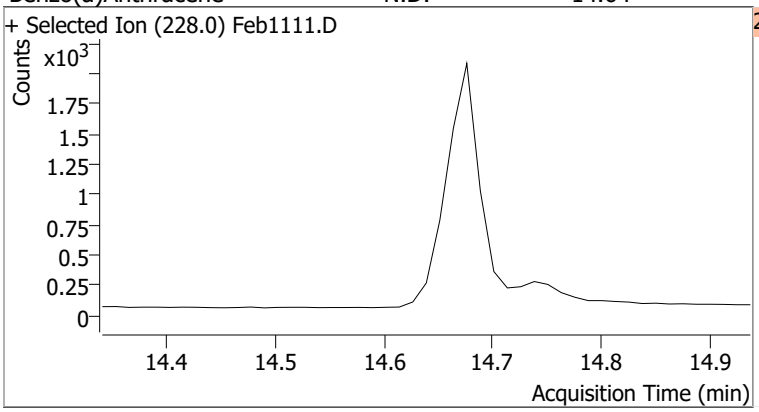
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	60.6599	12.25	0.01	2510927	122.0	12.9	8.6	15.9

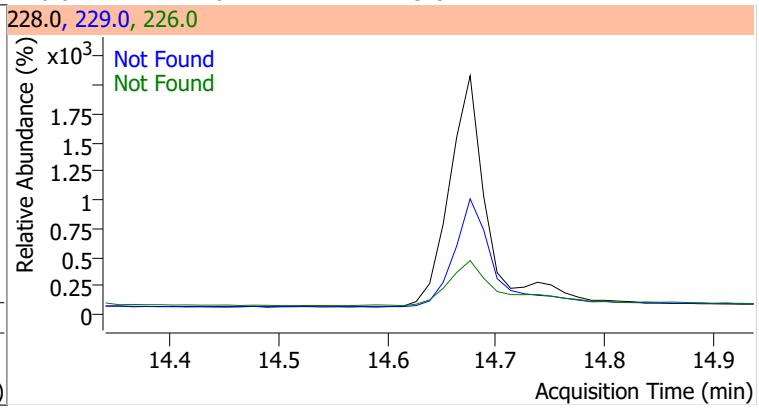




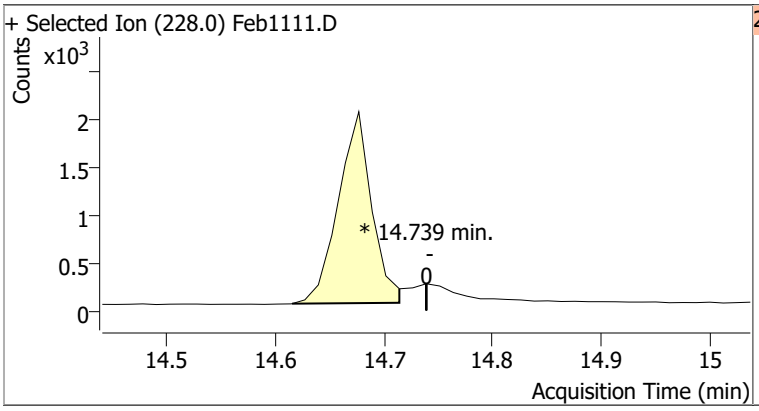


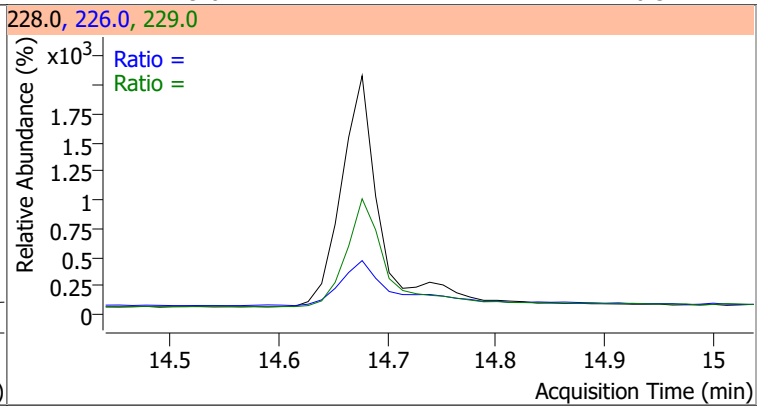
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	14.64	226.0	26.7	229.0	24.7



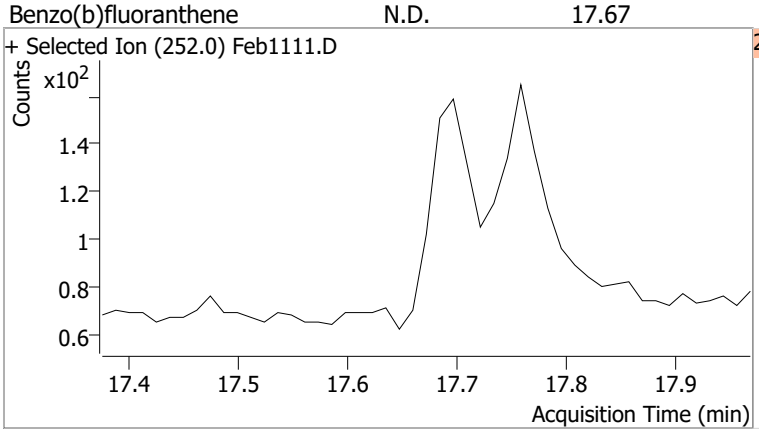


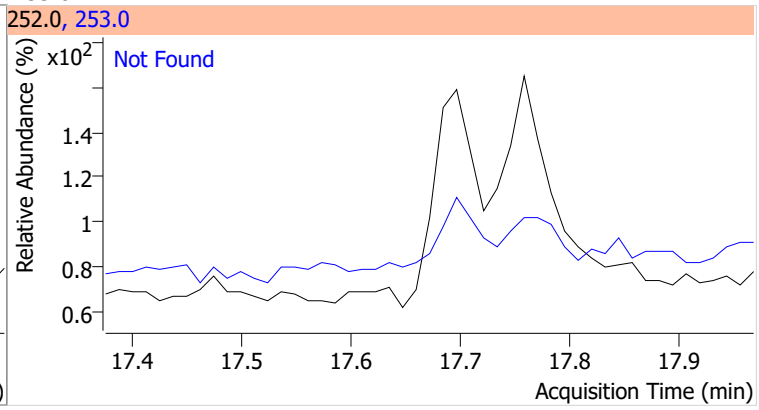
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



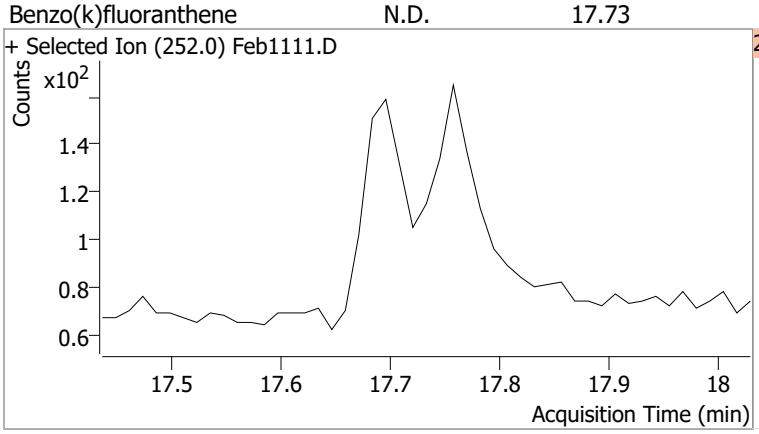


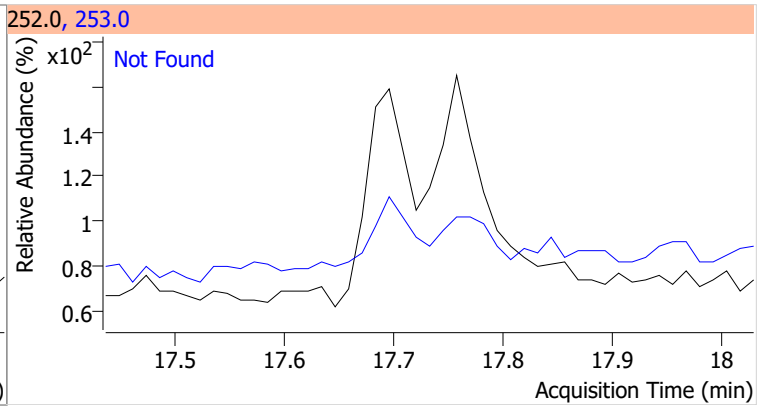
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.67	253.0	22.2



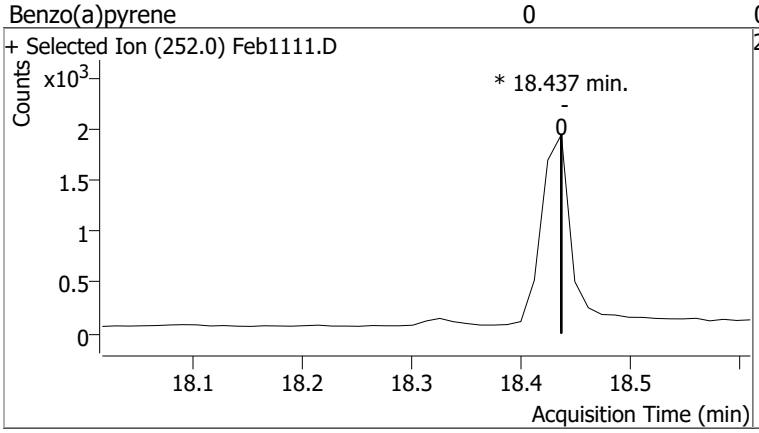


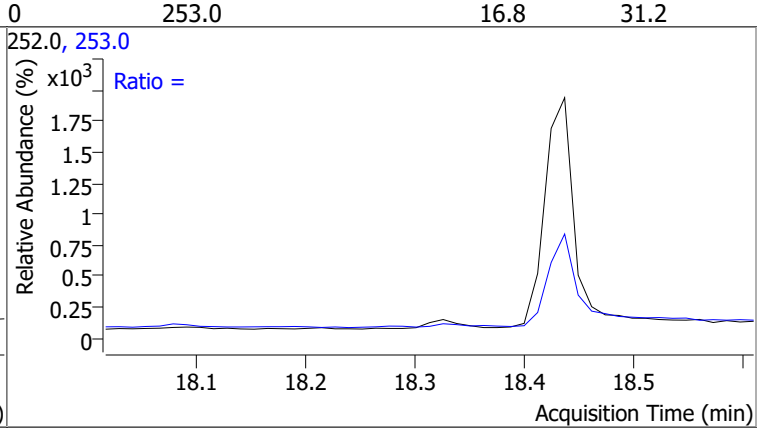
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.73	253.0	23.6



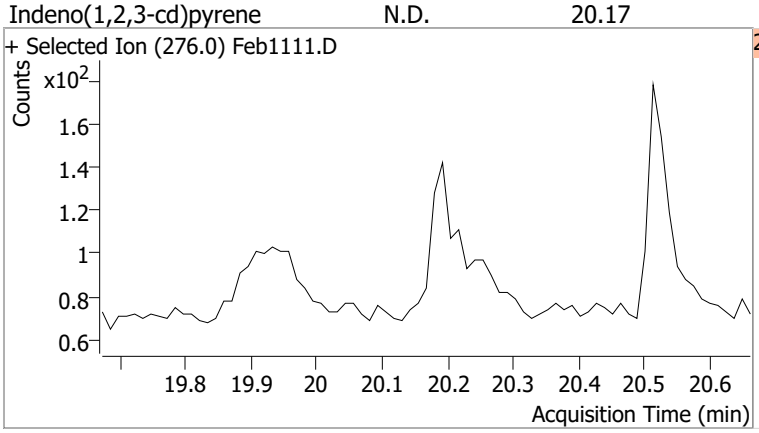


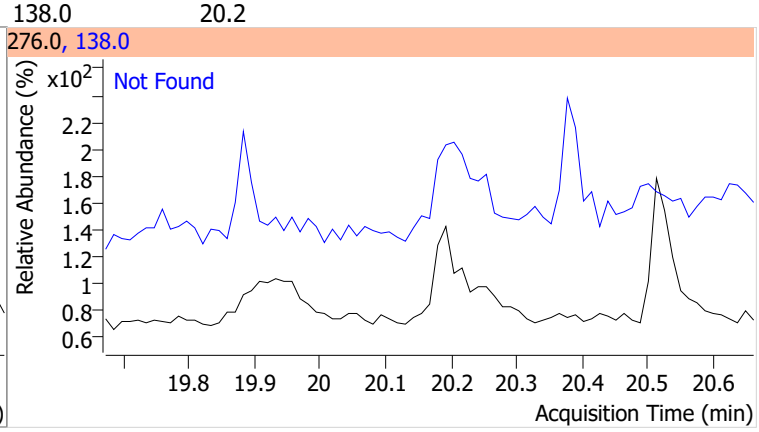
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



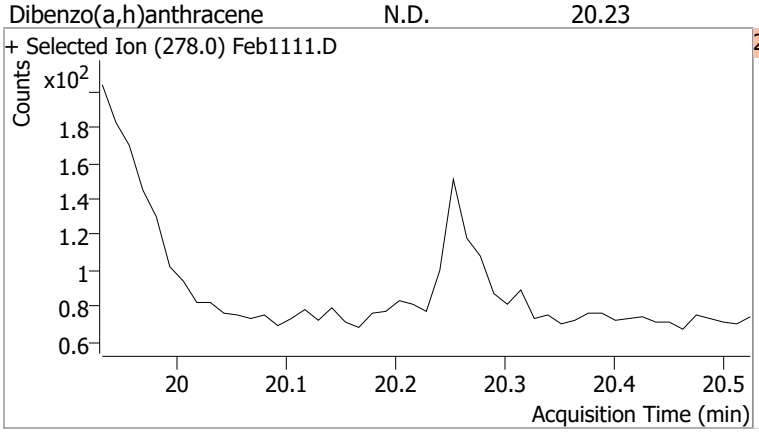


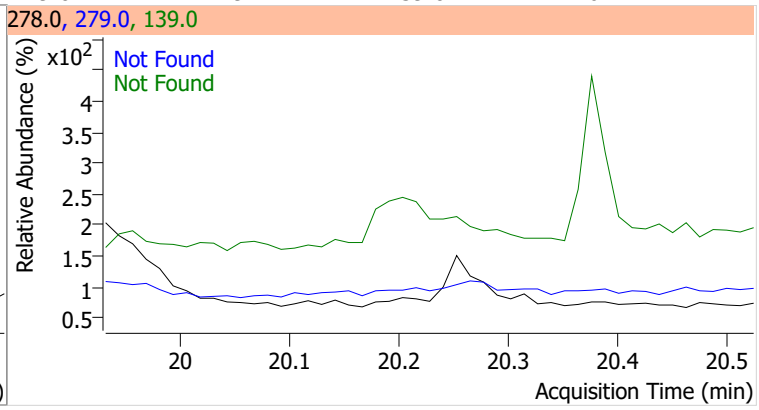
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.17	138.0	20.2



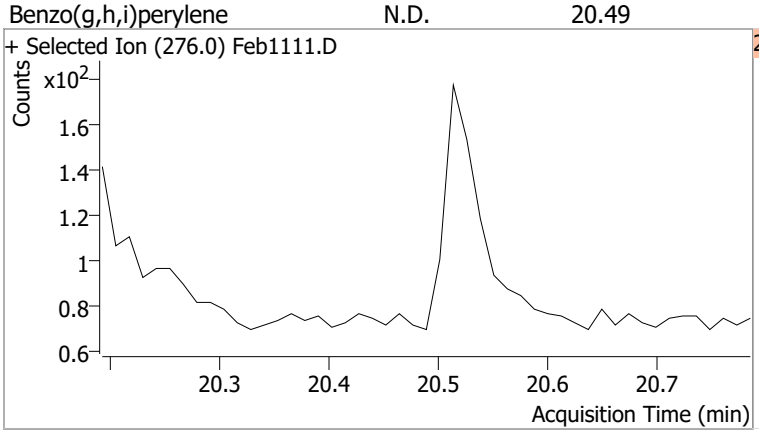


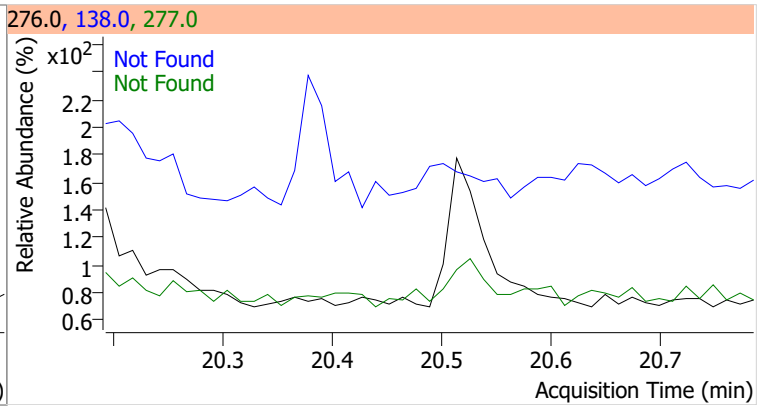
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.9	139.0	16.2





Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

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DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
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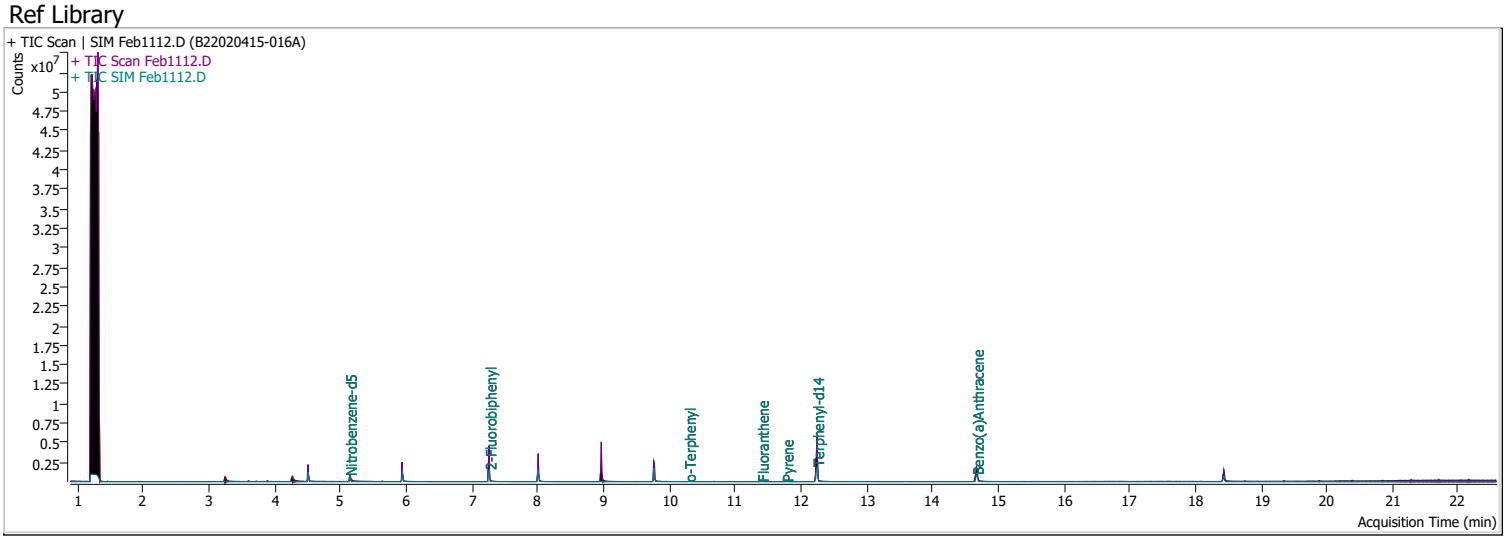


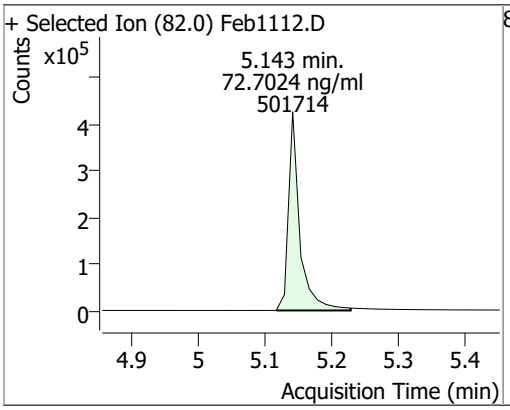
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	346175	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1218381	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	819829	40.0000	ng/ml		-0.013
M Phenanthrene-d10	9.768	188.0	1560729	40.0000	ng/ml		0.000
M Chrysene-d12	14.677	240.0	1303600	40.0000	ng/ml		0.000
M Perylene-d12	18.438	264.0	832680	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	501714	72.7024	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1454.05%		*	
S 2-Fluorobiphenyl	7.265	172.0	1563982	68.4716	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1369.43%		*	
S o-Terphenyl	10.299	230.0	3252	0.0591	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 1.18%		*	
S Terphenyl-d14	12.251	244.0	2643065	62.3935	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1247.87%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.038	154.0	0		ng/ml	md	1
T Fluorene	8.674	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	11.411	202.0	7734	0.1604	ng/ml		99
T Pyrene	11.781	202.0	9042	0.1468	ng/ml		96
T Benzo(a)Anthracene	14.677	228.0	6932	0.0372	ng/ml	#	87
T Chrysene	14.739	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

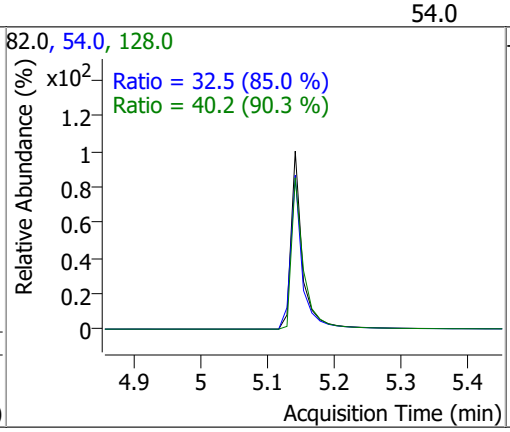
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.326	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

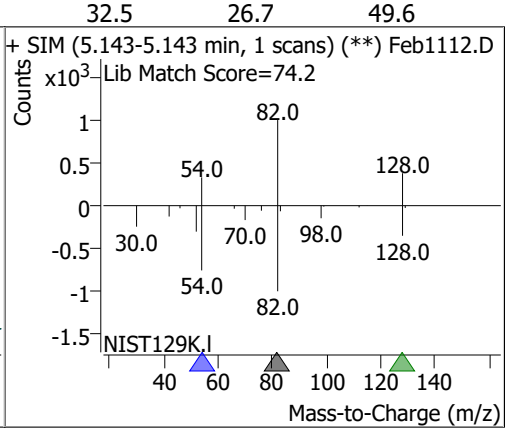
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Quantitation Results Report (QT Reviewed)

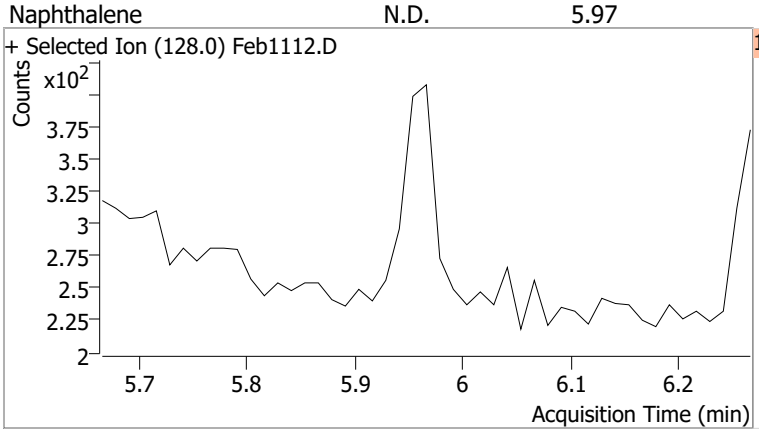
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	72.7024	5.14	-0.01	501714	128.0	40.2	31.2	57.9
					54.0	32.5	26.7	49.6

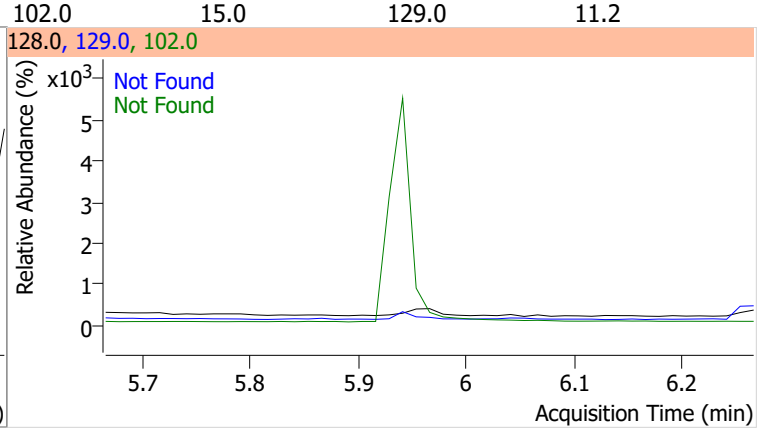




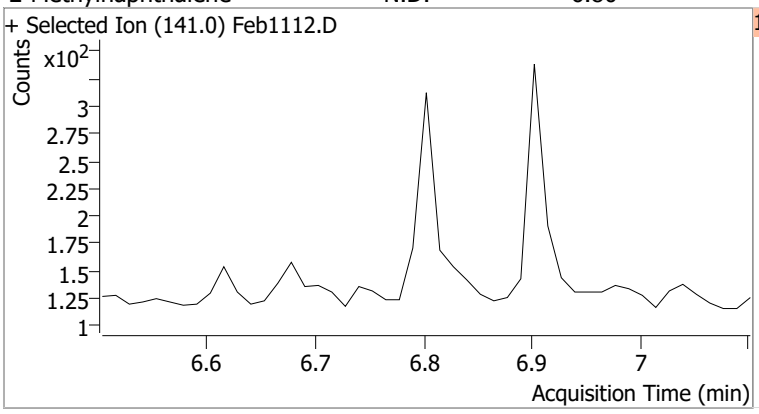


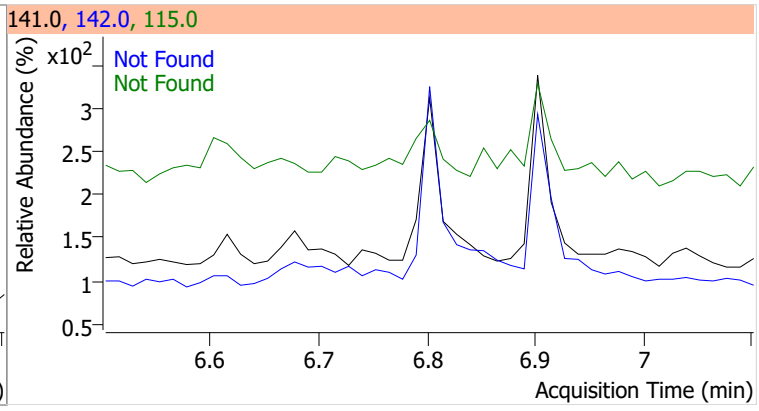
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.97	102.0	15.0	129.0	11.2



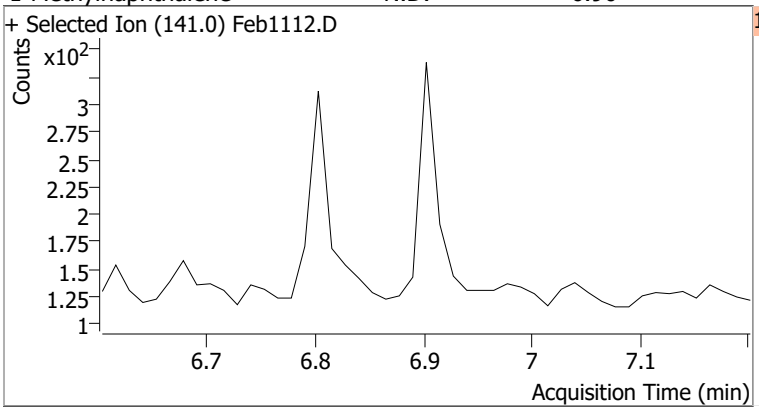


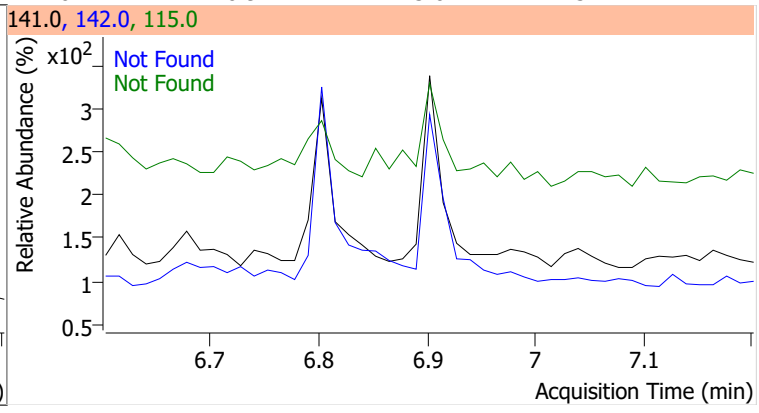
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.80	142.0	135.7	115.0	47.1



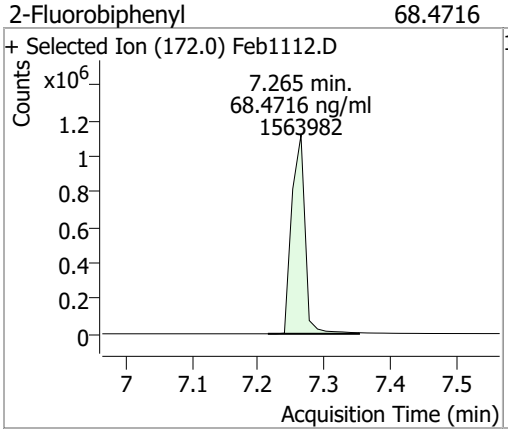


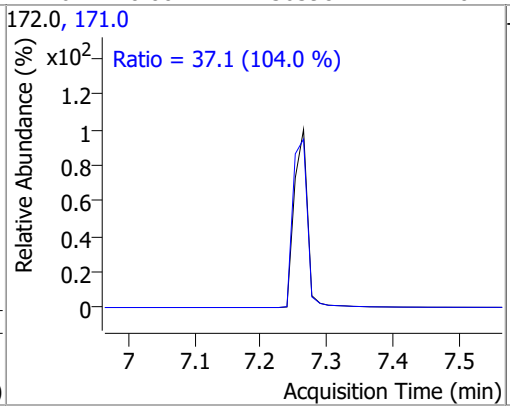
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	110.9	115.0	52.2

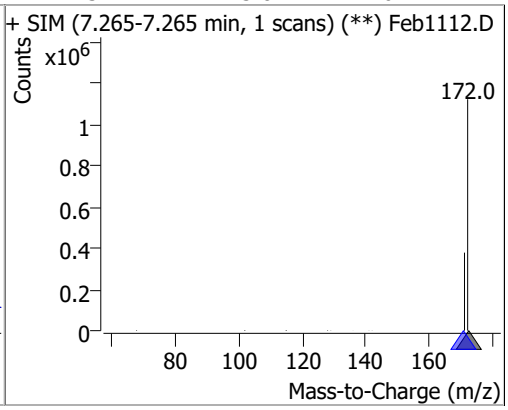




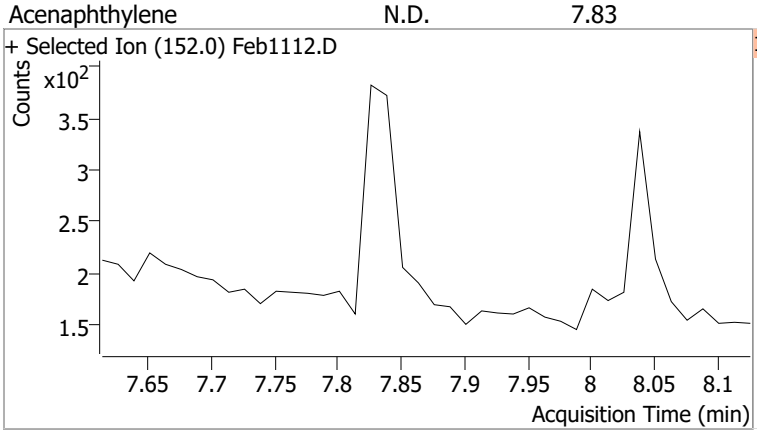
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	68.4716	7.26	0.00	1563982	171.0	37.1	25.0	46.4

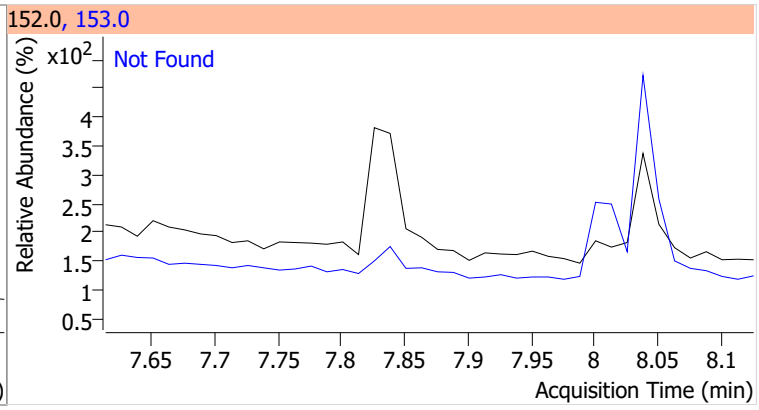




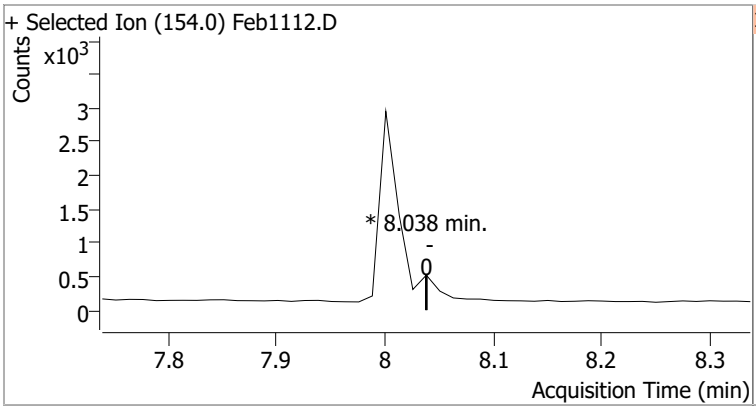


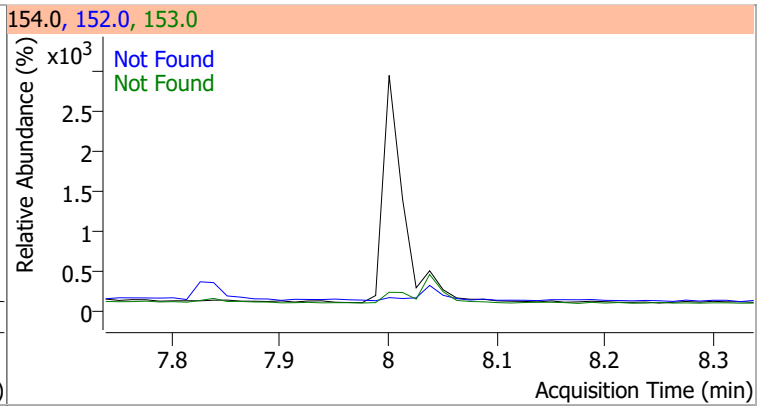
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	17.6



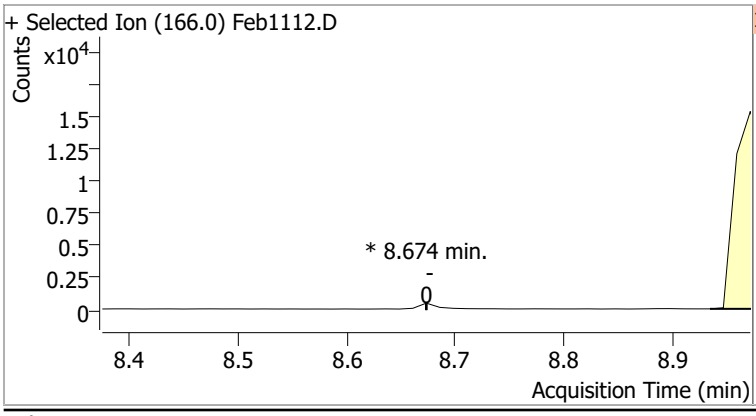


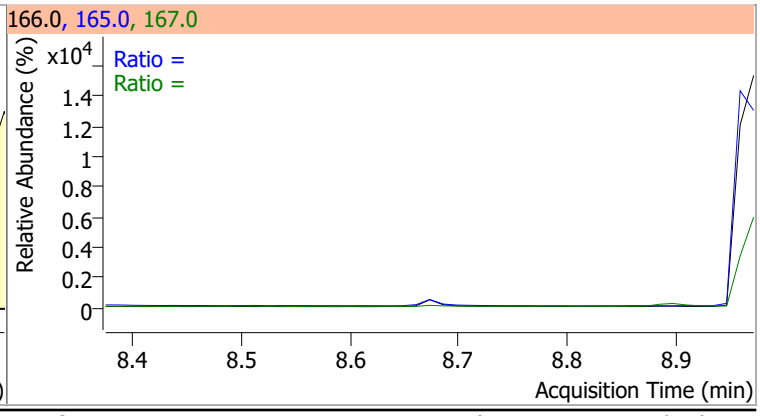
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



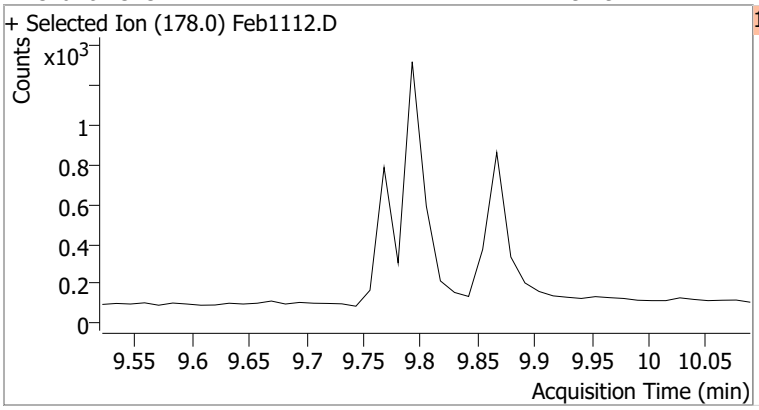


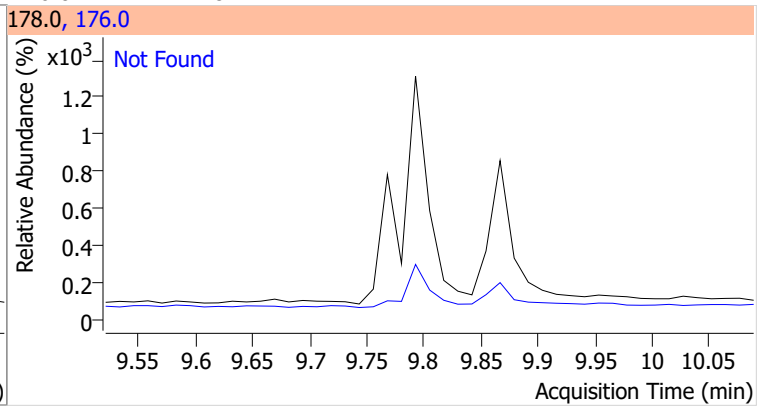
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



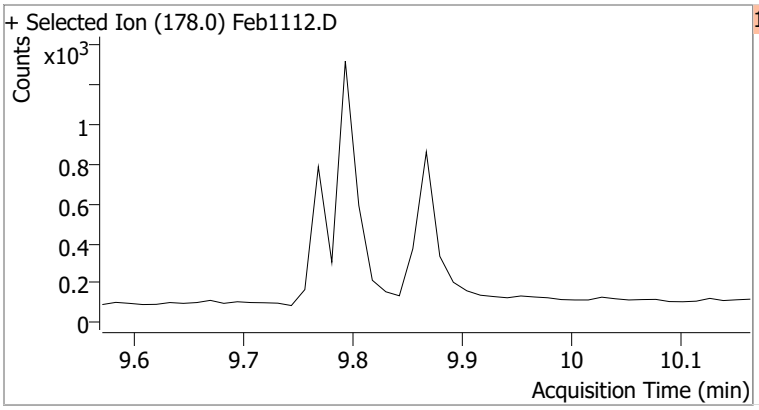


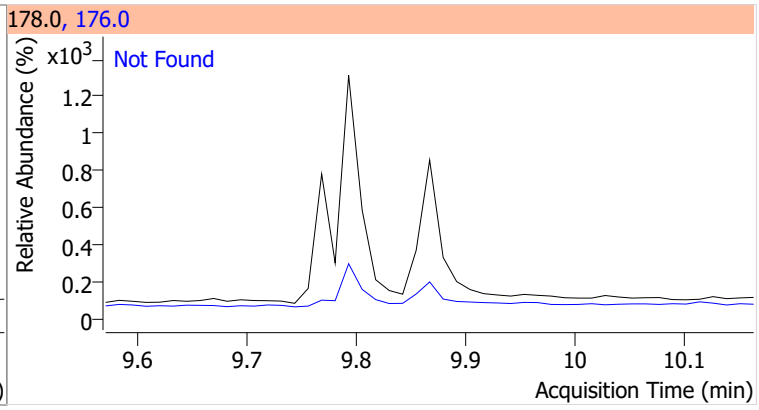
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.4



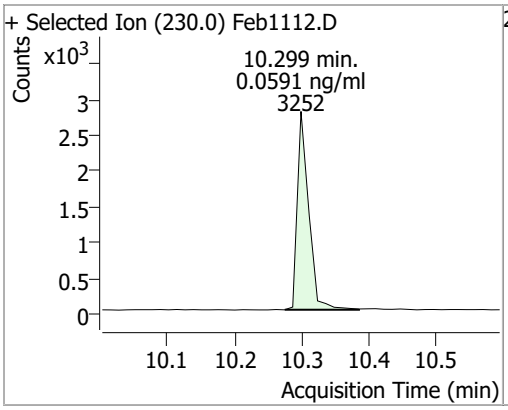


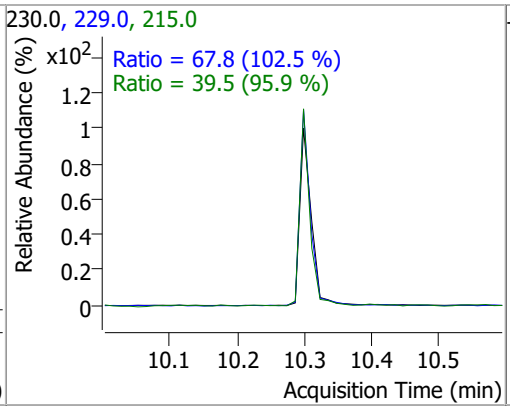
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.87	176.0	18.1

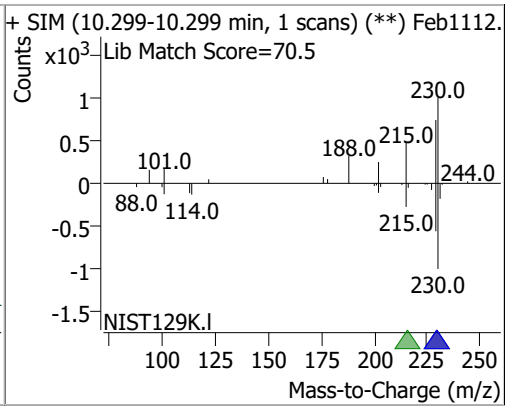




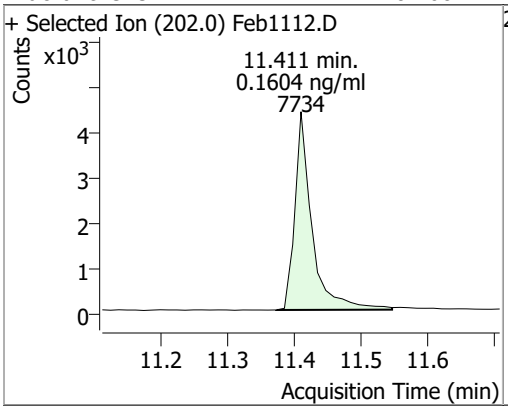
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.0591	10.30	0.00	3252	229.0	67.8	46.3	85.9
					215.0	39.5	28.9	53.6

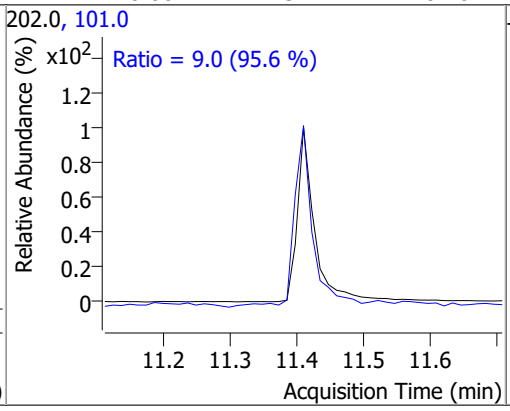


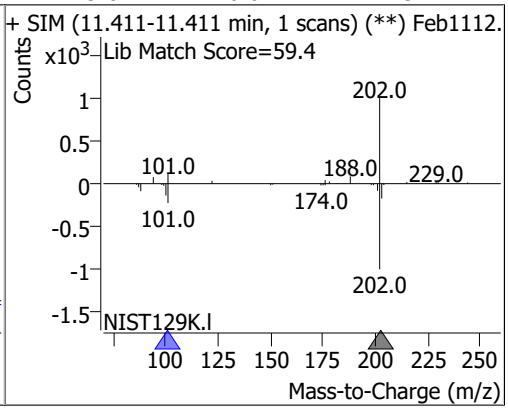




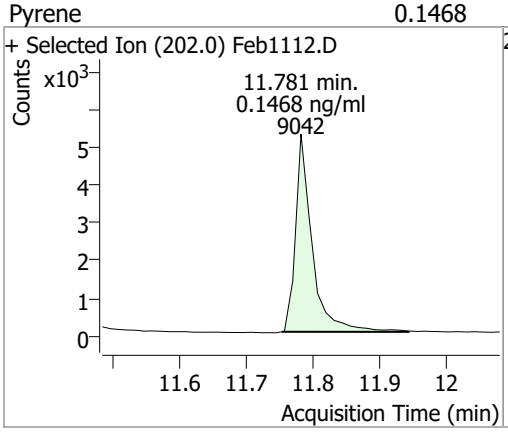
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	0.1604	11.41	0.00	7734	101.0	9.0	6.6	12.3

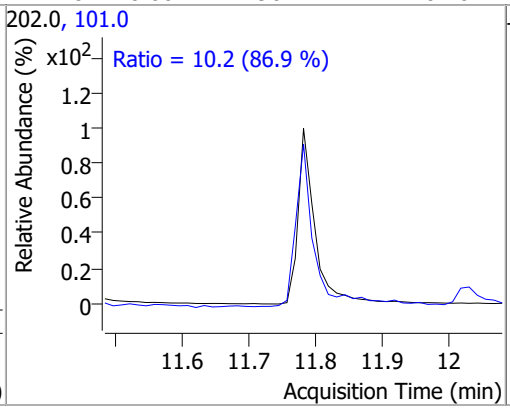


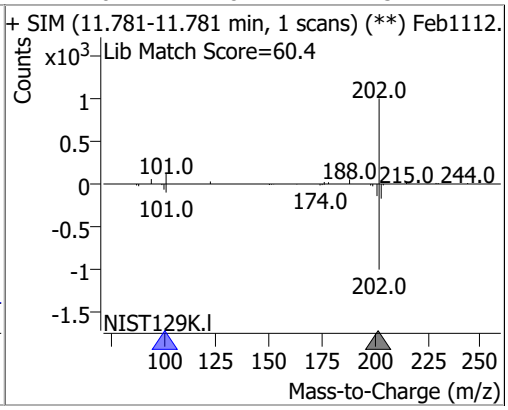




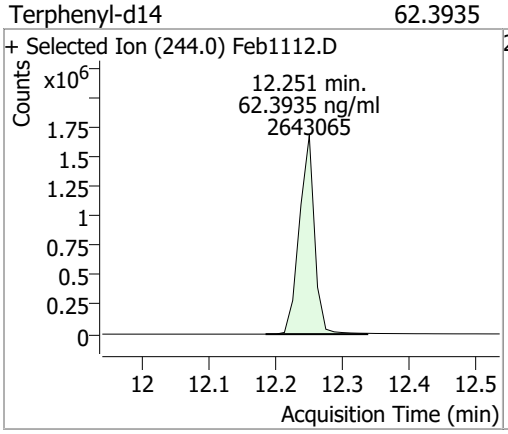
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	0.1468	11.78	0.00	9042	101.0	10.2	8.2	15.2

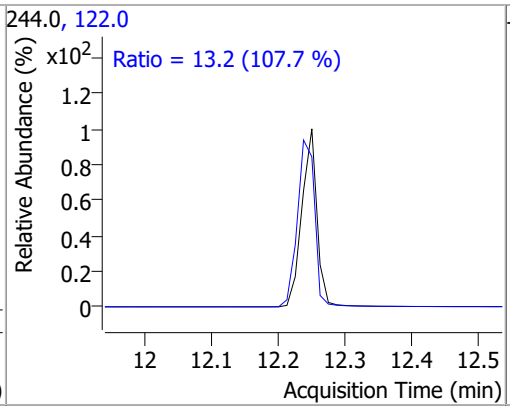


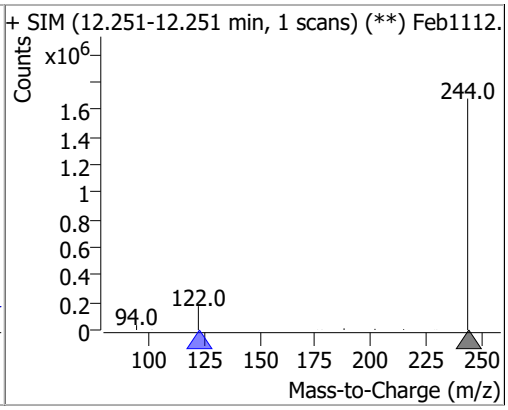




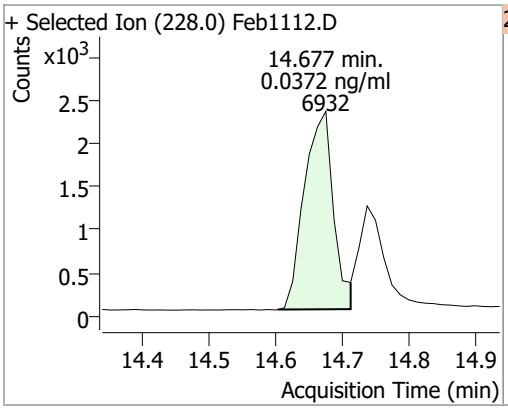
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	62.3935	12.25	0.01	2643065	122.0	13.2	8.6	15.9

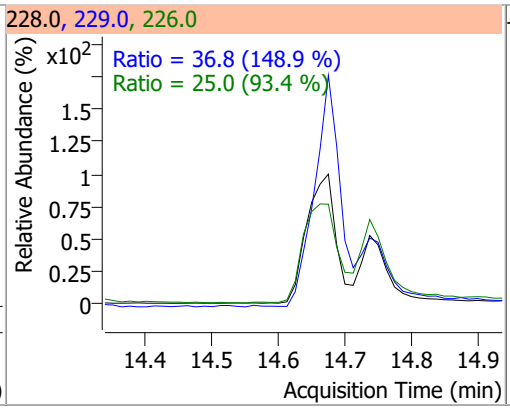


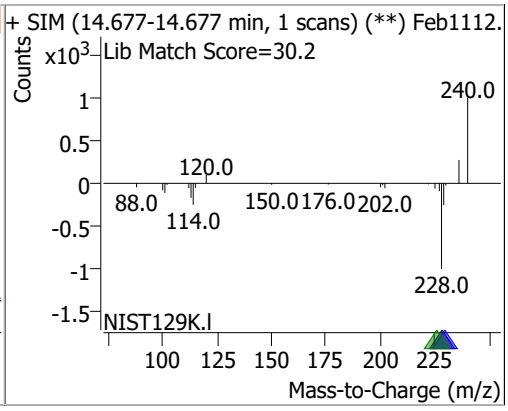




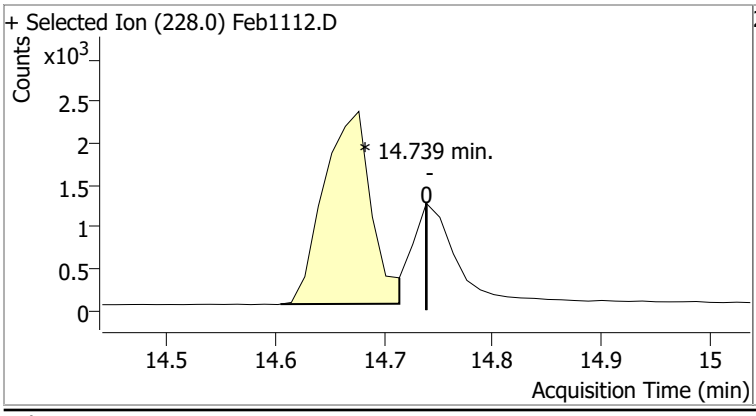
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	0.0372	14.68	0.04	6932	226.0	25.0	18.7	34.8
					229.0	36.8	17.3	32.1

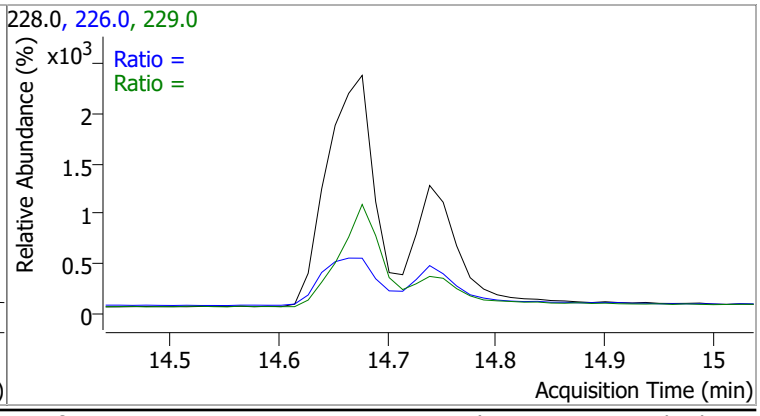




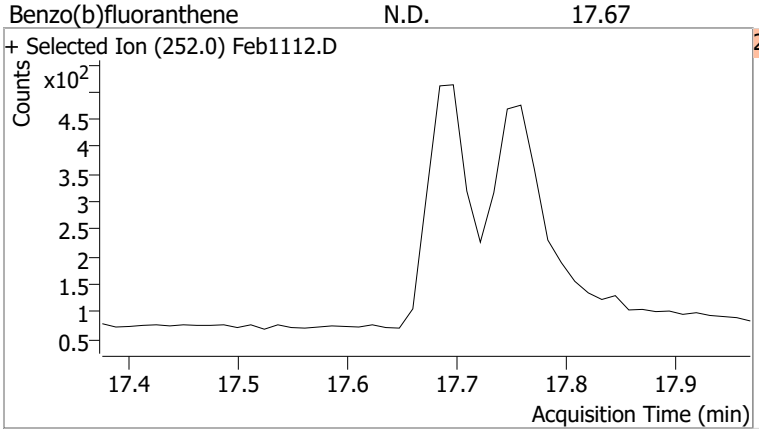


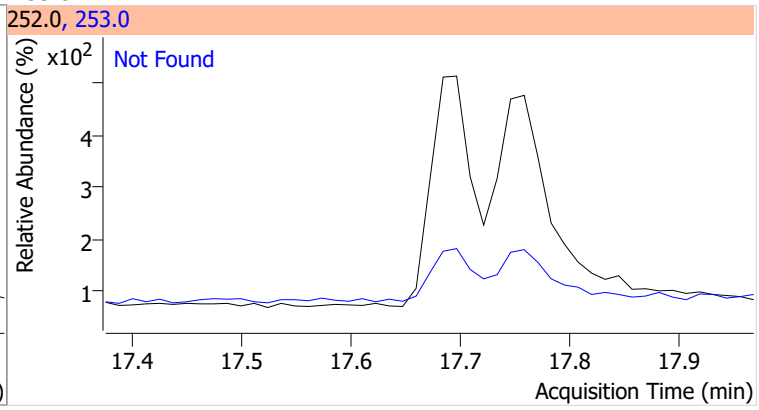
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



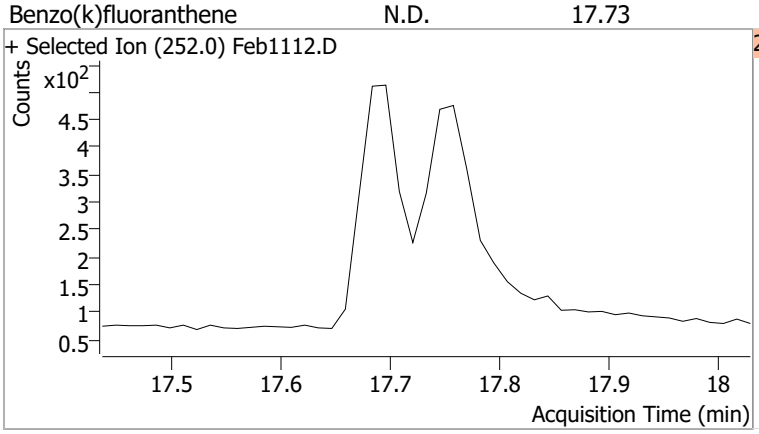


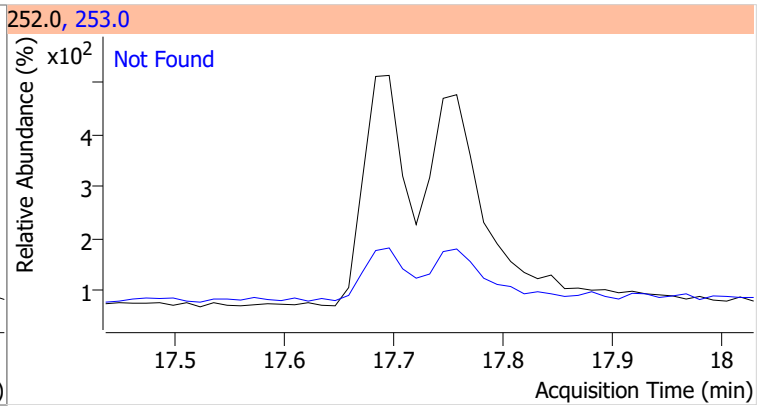
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.67	253.0	22.2



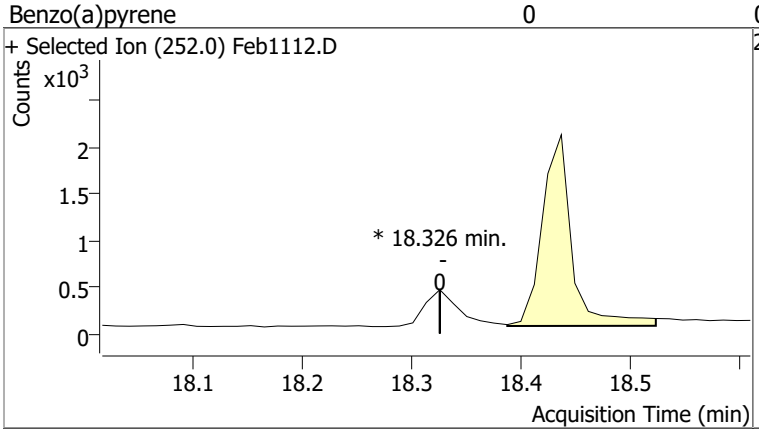


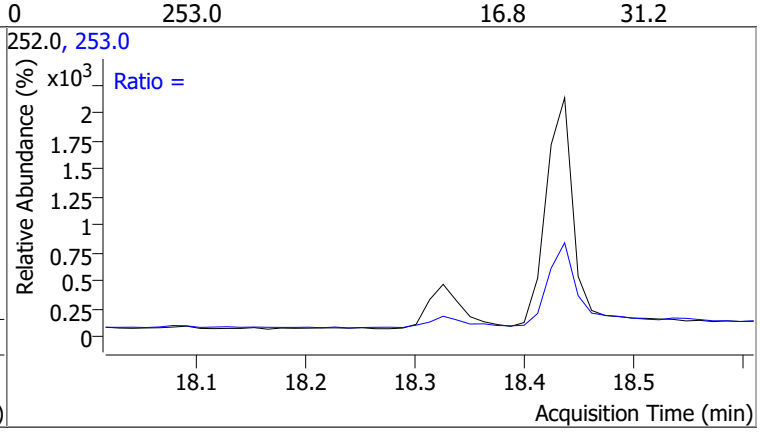
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.73	253.0	23.6



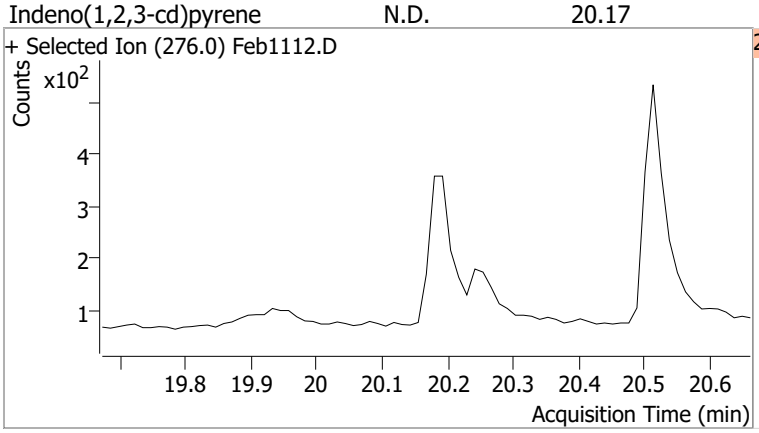


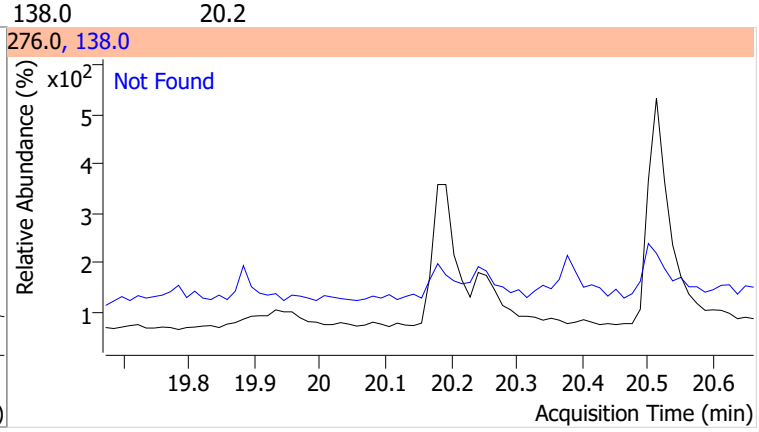
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



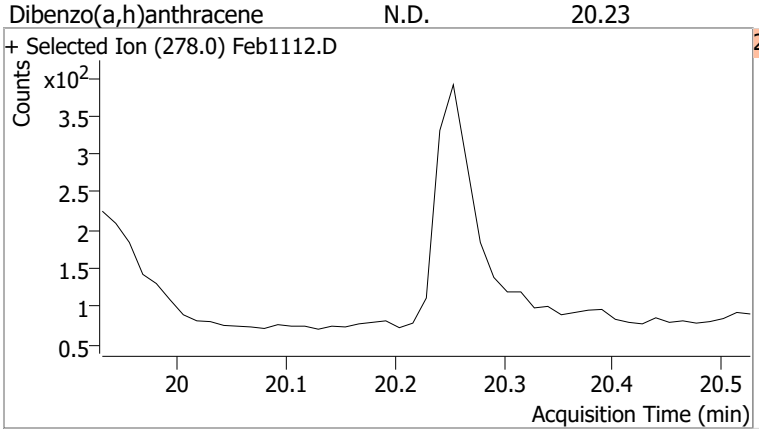


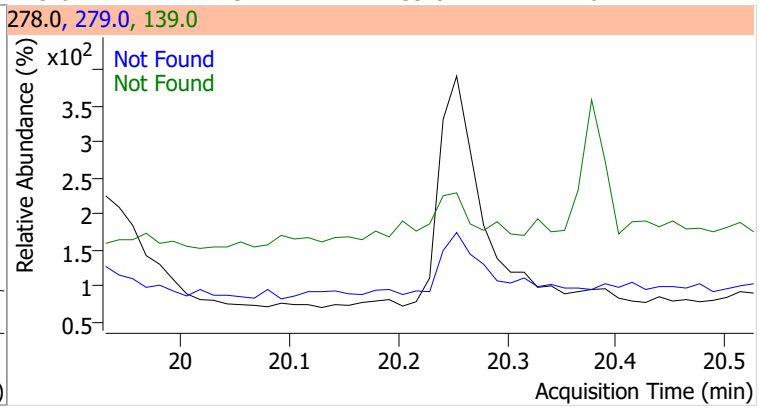
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.17	138.0	20.2



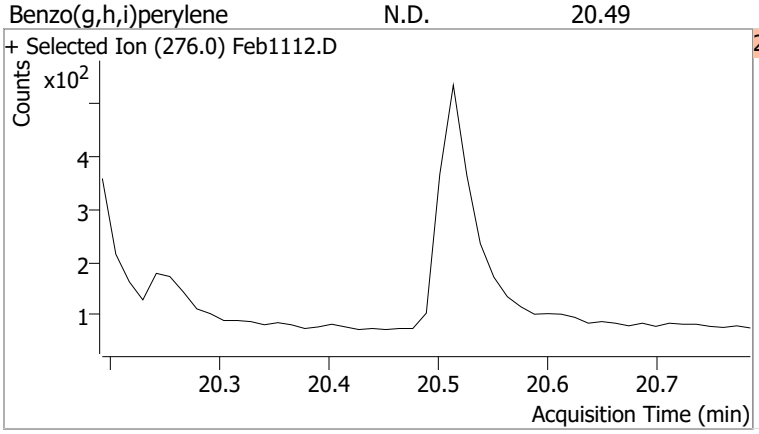


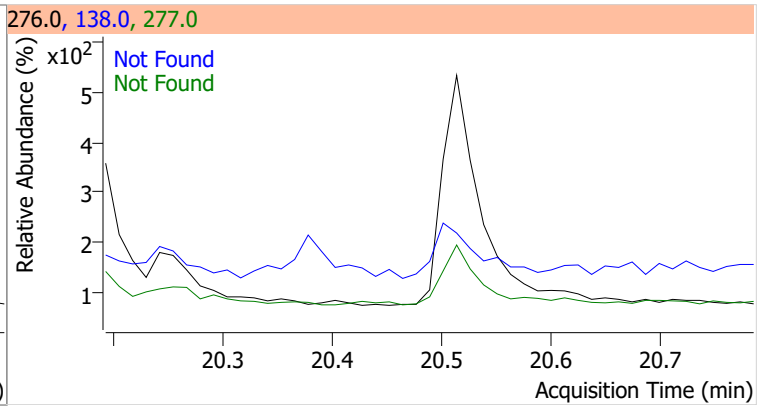
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.9	139.0	16.2





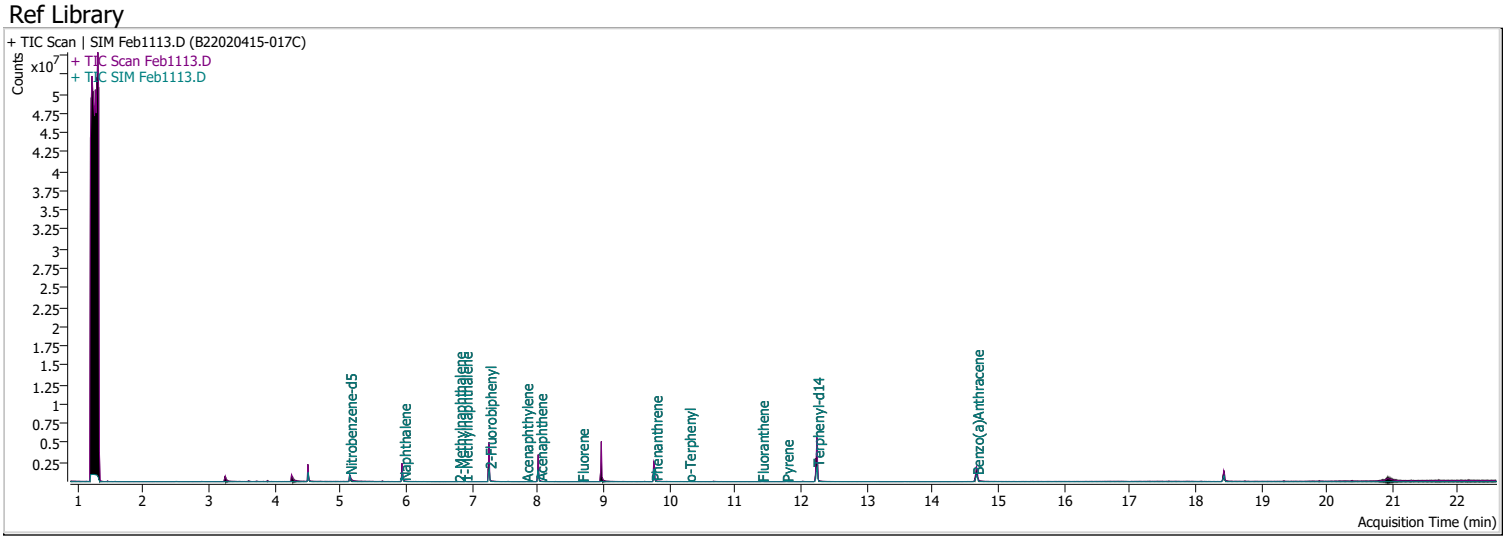
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb1113.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 9:16:30 PM
Sample Name	B22020415-017C	Instrument	GCMS
Vial	13	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			

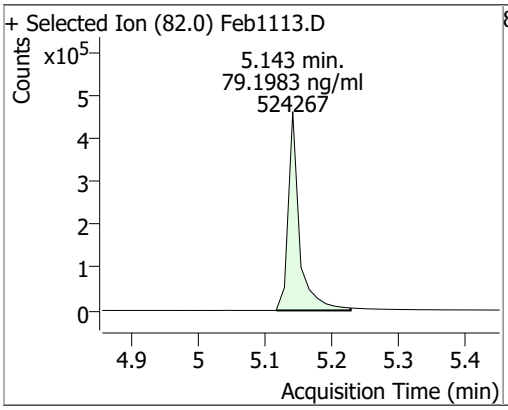


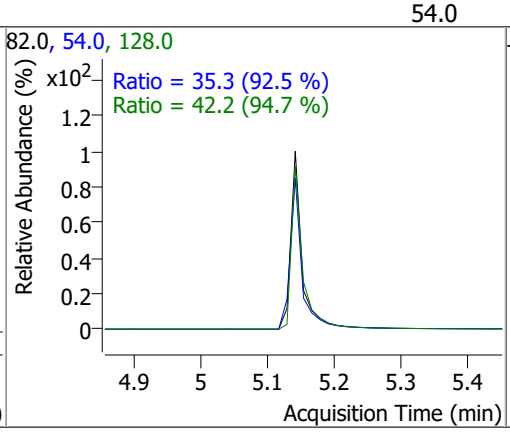
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	332067	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1185463	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.001	164.0	791068	40.0000	ng/ml		-0.013
M Phenanthrene-d10	9.768	188.0	1494195	40.0000	ng/ml		0.000
M Chrysene-d12	14.677	240.0	1271955	40.0000	ng/ml		0.000
M Perylene-d12	18.438	264.0	805174	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	524267	79.1983	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1583.97%		*	
S 2-Fluorobiphenyl	7.265	172.0	1622324	74.3515	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1487.03%		*	
S o-Terphenyl	10.299	230.0	3534	0.0803	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 1.61%		*	
S Terphenyl-d14	12.251	244.0	2624713	63.1922	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1263.84%		*	
Target Compounds							**QValue**
T Naphthalene	5.966	128.0	4293	0.0725	ng/ml		82
T 2-Methylnaphthalene	6.802	141.0	3057	0.1044	ng/ml		95
T 1-Methylnaphthalene	6.902	141.0	3202	0.0894	ng/ml		95
T Acenaphthylene	7.826	152.0	4663	0.1538	ng/ml		89
T Acenaphthene	8.038	154.0	4049	0.1104	ng/ml	m	97
T Fluorene	8.673	166.0	3120	0.0723	ng/ml		88
T Phenanthrene	9.793	178.0	3979	0.0272	ng/ml	m	97
T Anthracene	9.867	178.0	0		ng/ml	md	1
T Fluoranthene	11.411	202.0	7180	0.1540	ng/ml		100
T Pyrene	11.781	202.0	7944	0.1253	ng/ml		99
T Benzo(a)Anthracene	14.677	228.0	6260	0.0184	ng/ml	#	85
T Chrysene	14.739	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

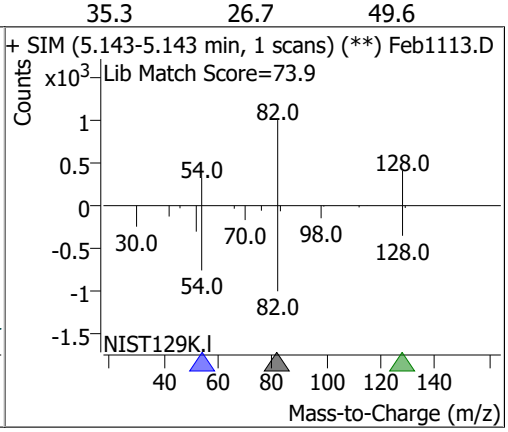
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.326	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

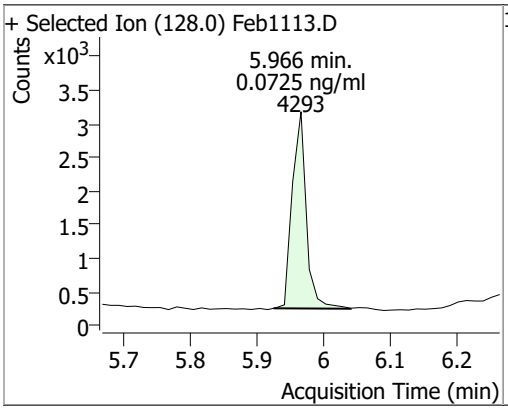
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	79.1983	5.14	-0.01	524267	128.0	42.2	31.2	57.9
					54.0	35.3	26.7	49.6

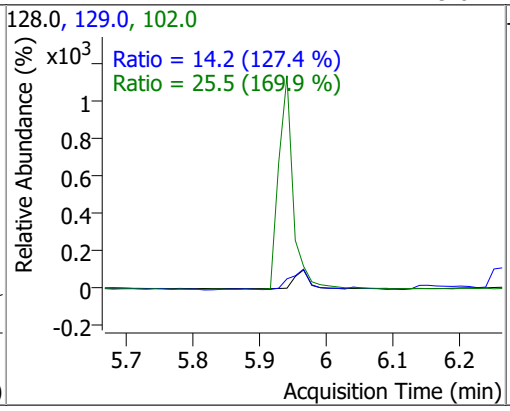


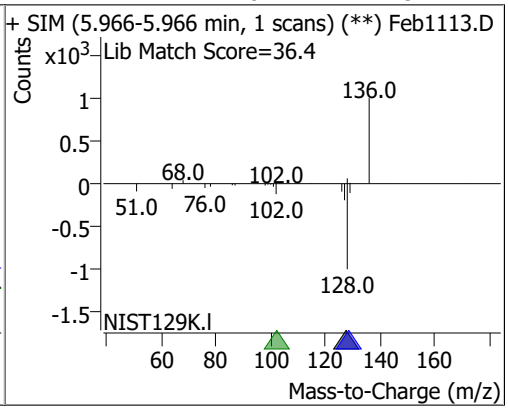




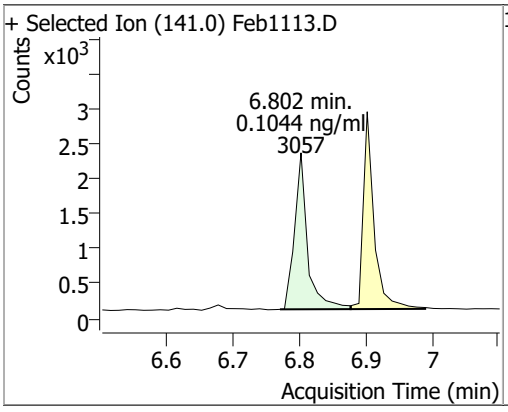
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	0.0725	5.97	0.00	4293	102.0	25.5	0.0	45.0
					129.0	14.2	7.8	14.5

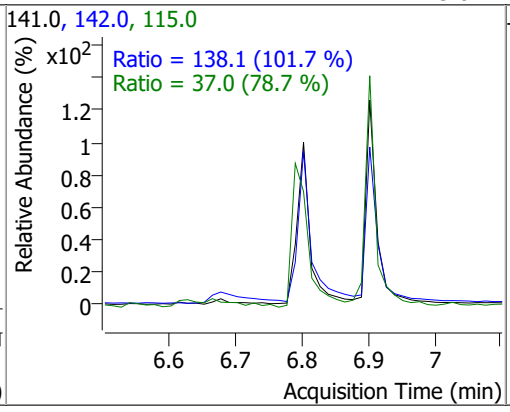


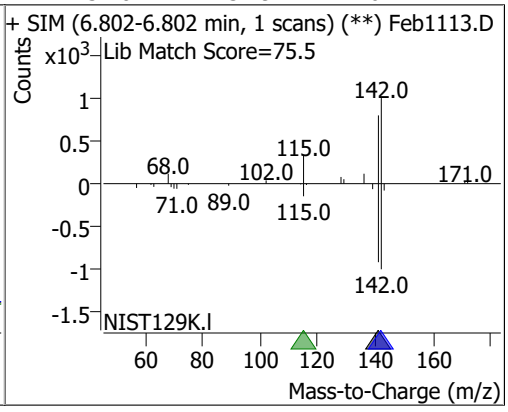




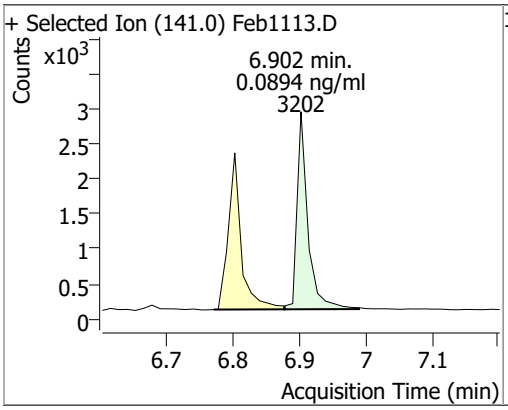
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	0.1044	6.80	0.00	3057	142.0	138.1	95.0	176.4
					115.0	37.0	32.9	61.2

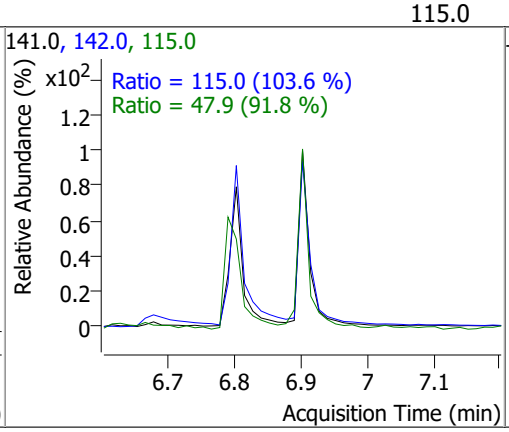


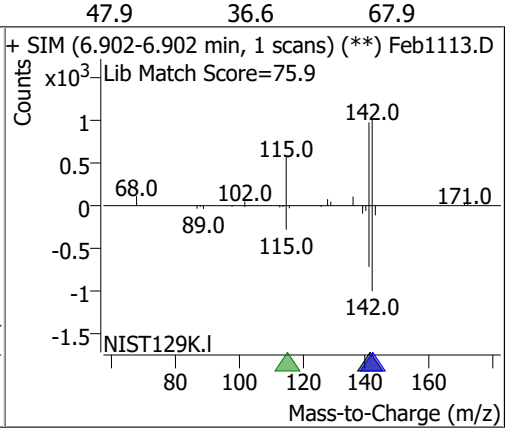




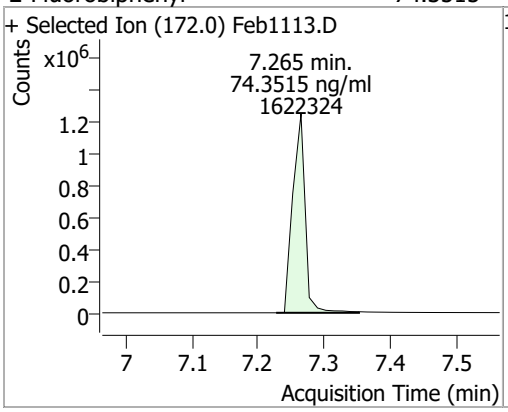
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	0.0894	6.90	0.00	3202	142.0	115.0	77.7	144.2
					115.0	47.9	36.6	67.9

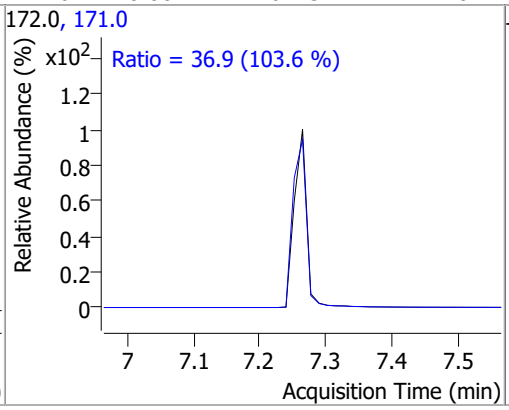


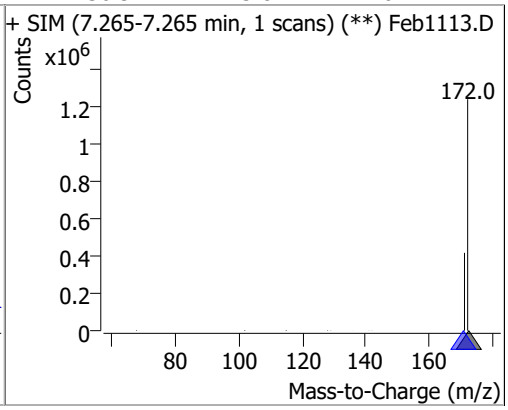




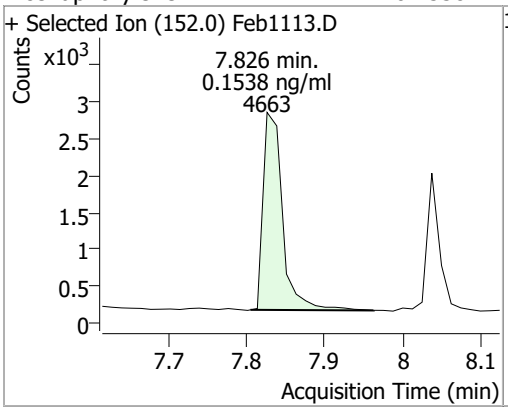
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	74.3515	7.26	0.00	1622324	171.0	36.9	25.0	46.4

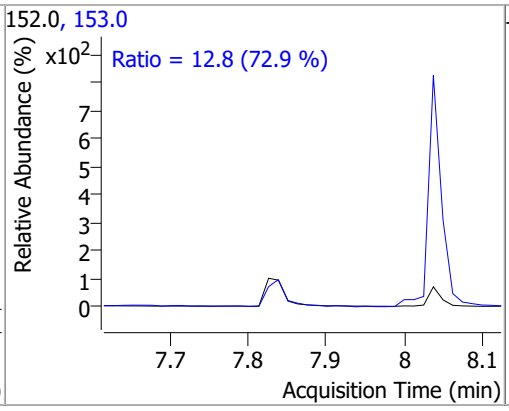


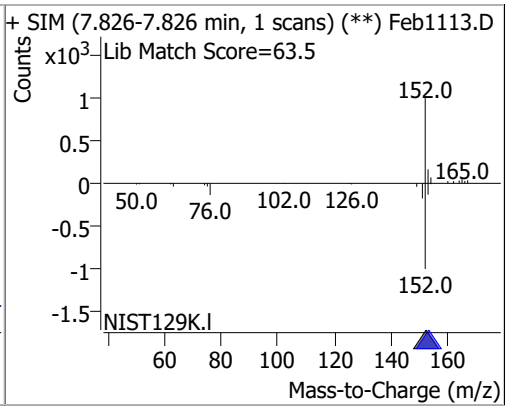




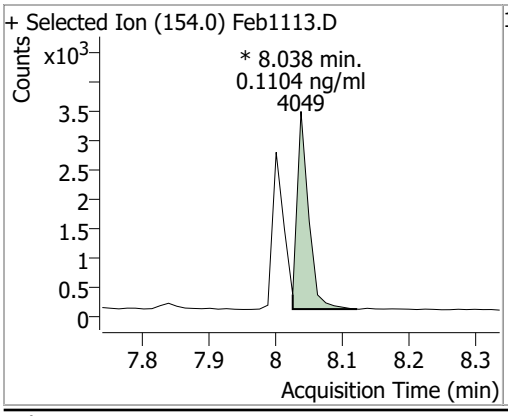
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	0.1538	7.83	0.00	4663	153.0	12.8	12.3	22.9

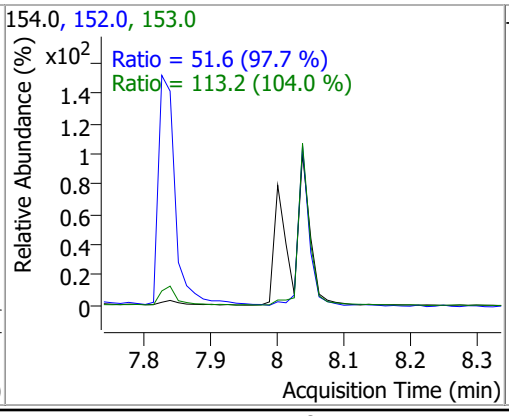


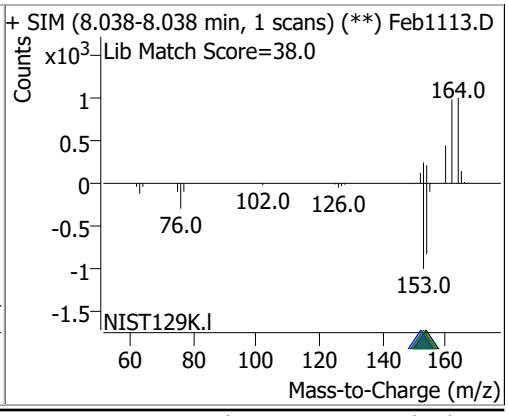




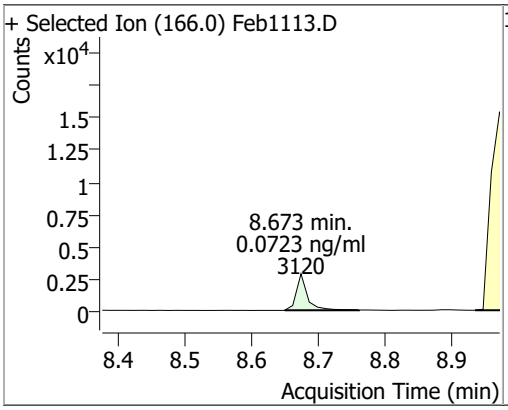
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	0.1104	8.04	0.00	4049 (m)	153.0	113.2	76.2	141.5
					152.0	51.6	37.0	68.7

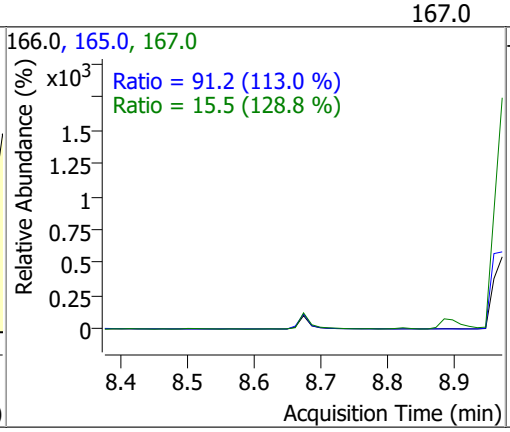


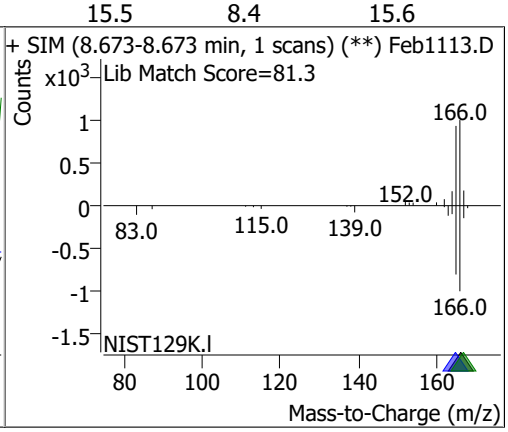




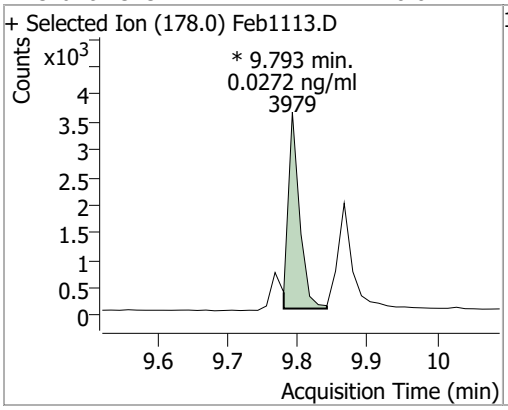
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	0.0723	8.67	0.00	3120	165.0	91.2	56.5	104.9
					167.0	15.5	8.4	15.6

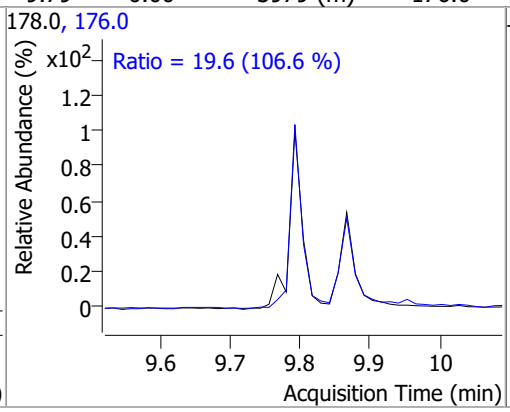


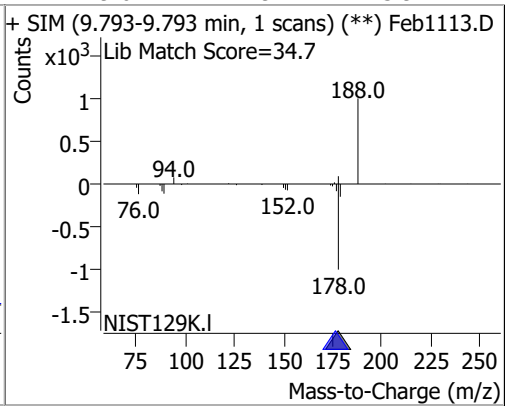




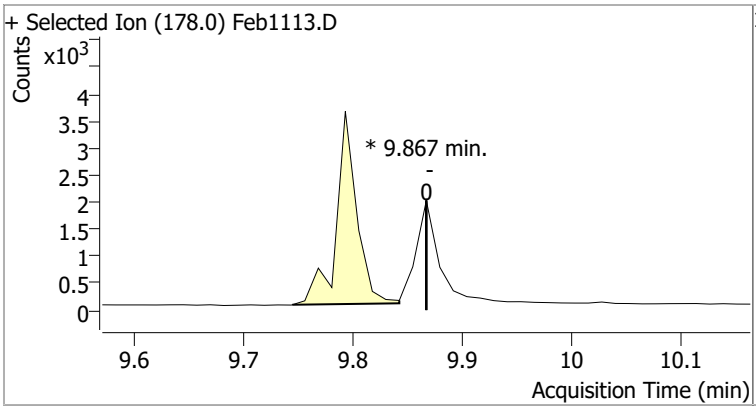
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	0.0272	9.79	0.00	3979 (m)	176.0	19.6	12.9	23.9

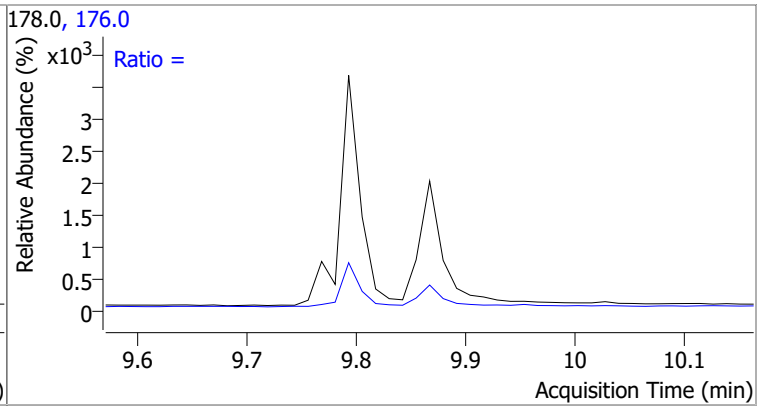




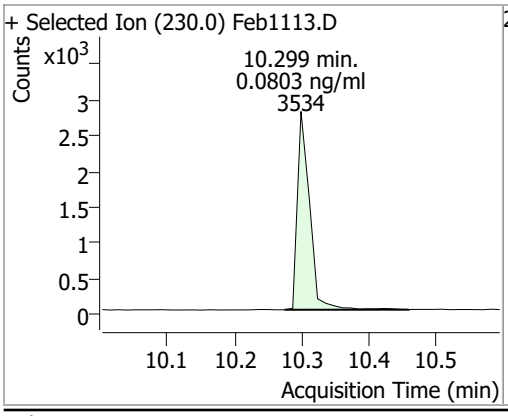


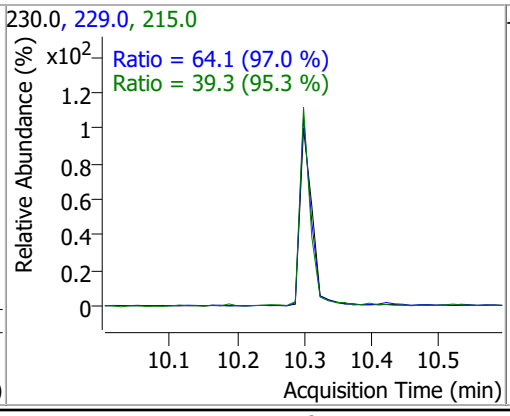
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene		0		0	176.0		12.7	23.6

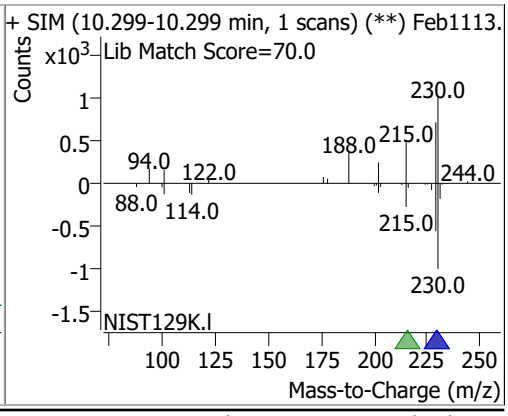




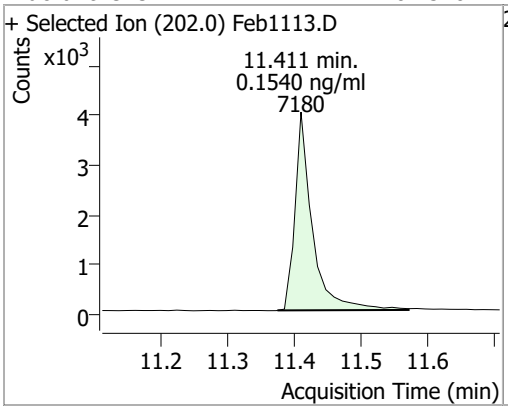
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.0803	10.30	0.00	3534	229.0	64.1	46.3	85.9
					215.0	39.3	28.9	53.6

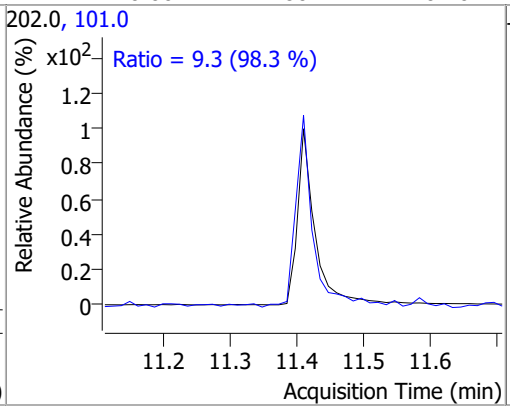


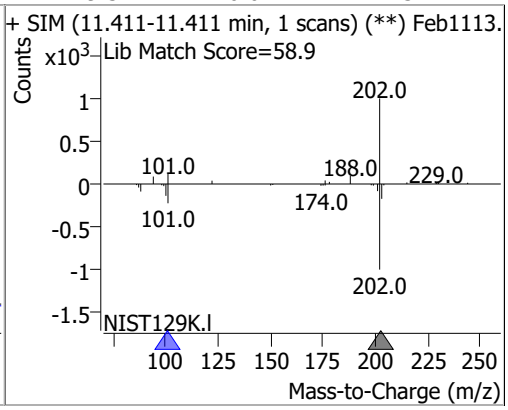




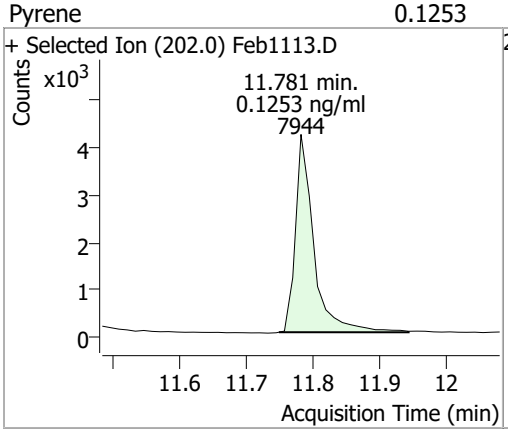
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	0.1540	11.41	0.00	7180	101.0	9.3	6.6	12.3

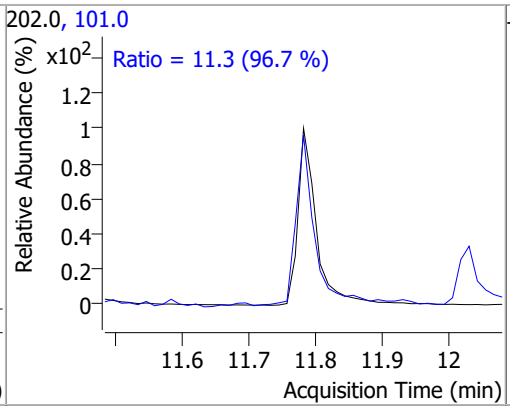


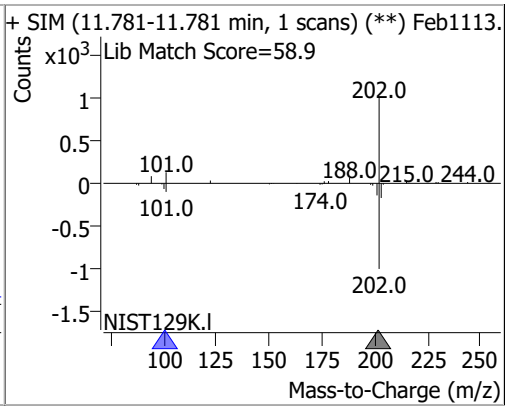




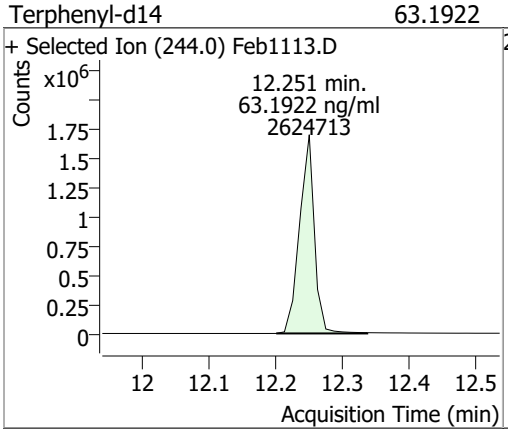
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	0.1253	11.78	0.00	7944	101.0	11.3	8.2	15.2

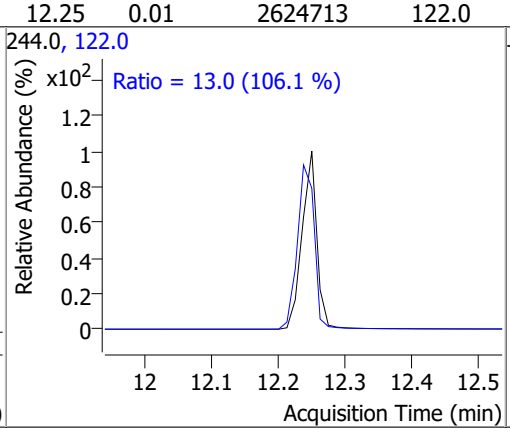


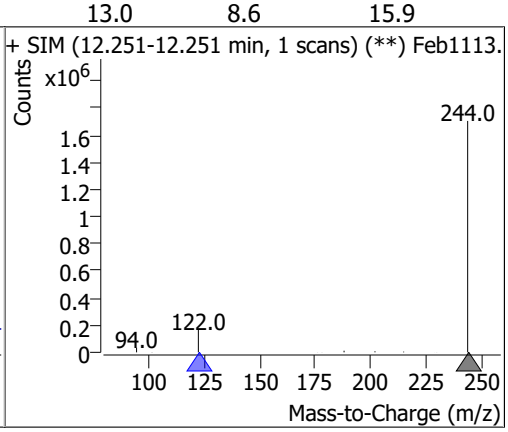




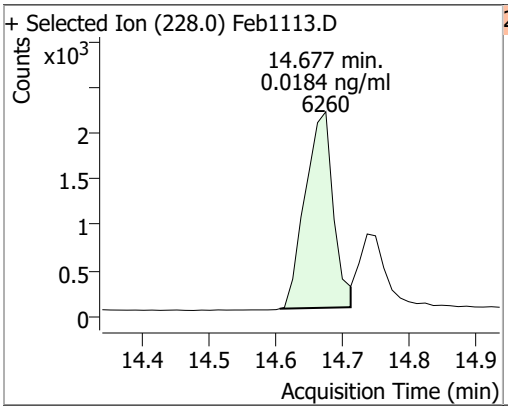
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	63.1922	12.25	0.01	2624713	122.0	13.0	8.6	15.9

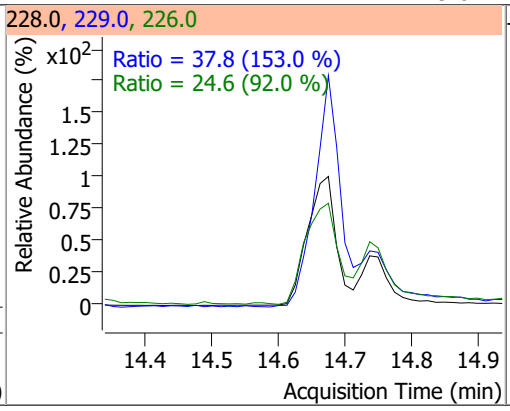


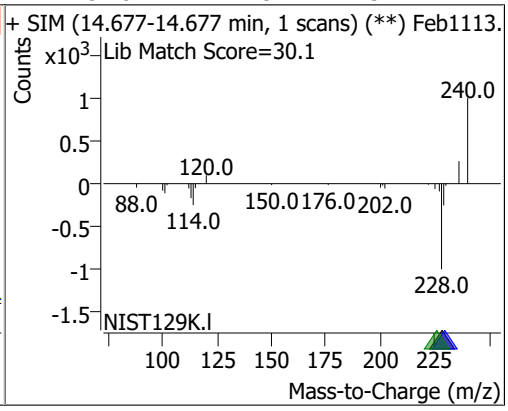




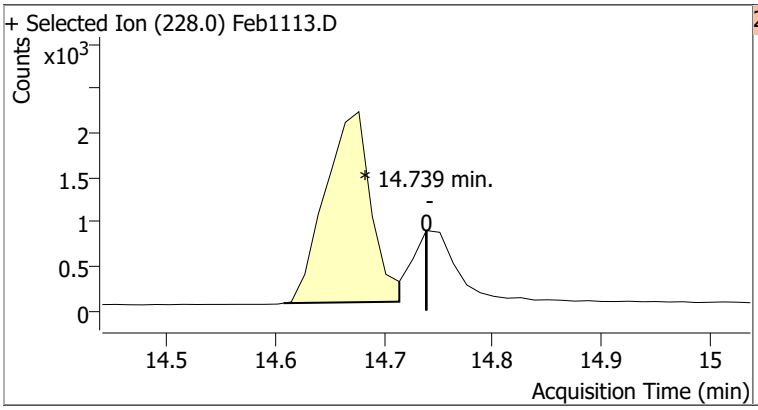
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	0.0184	14.68	0.04	6260	226.0	24.6	18.7	34.8
					229.0	37.8	17.3	32.1

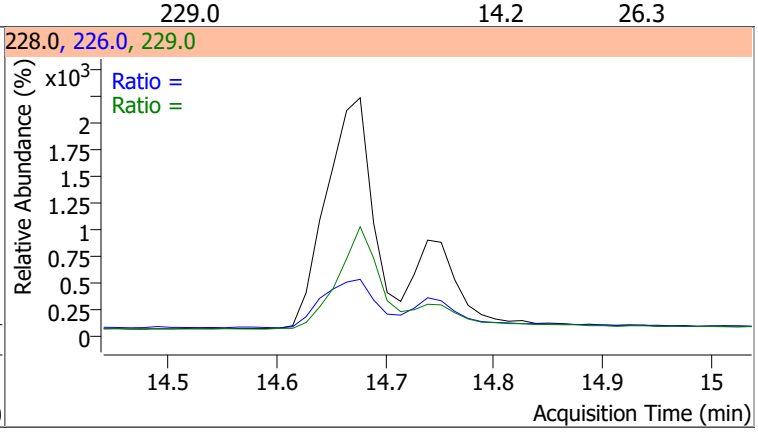




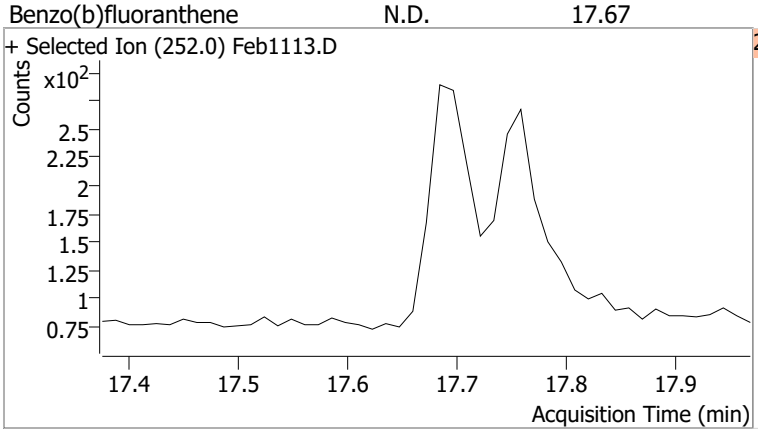


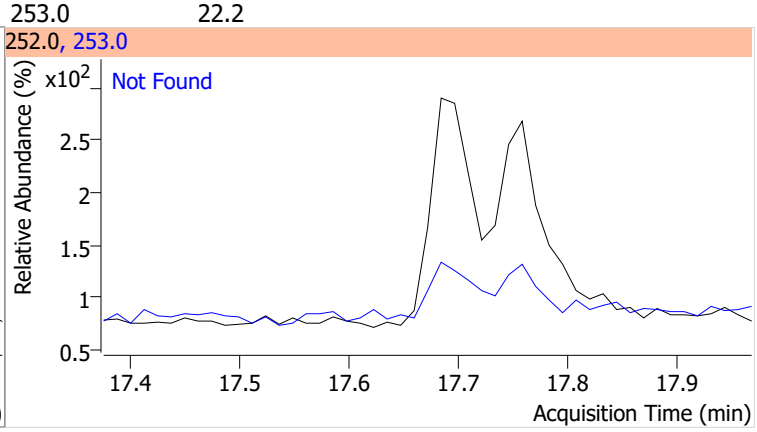
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



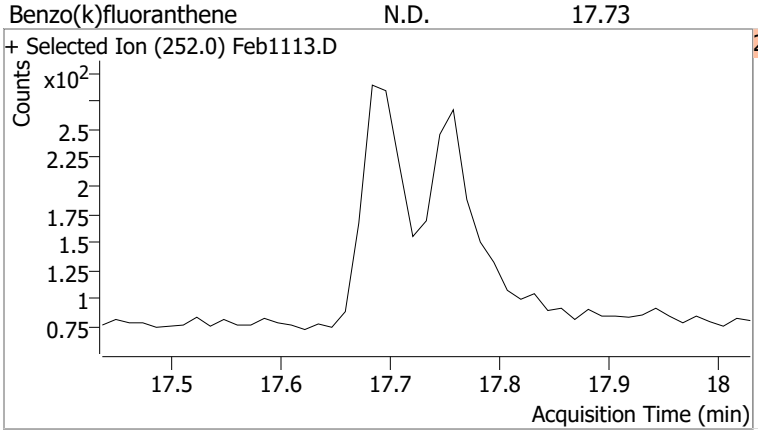


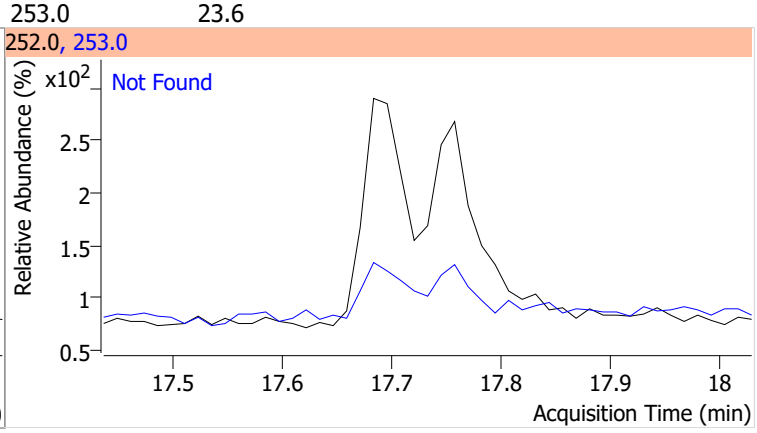
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.67	253.0	22.2



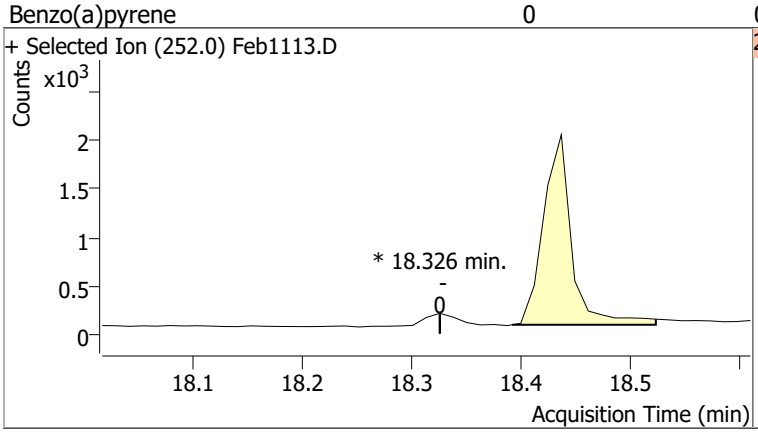


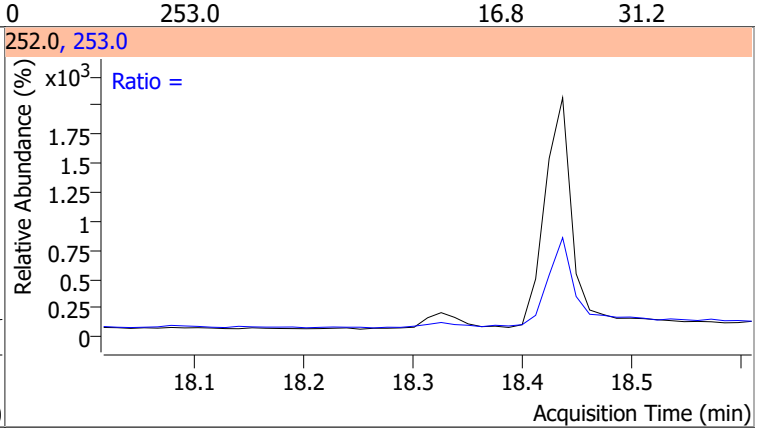
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.73	253.0	23.6



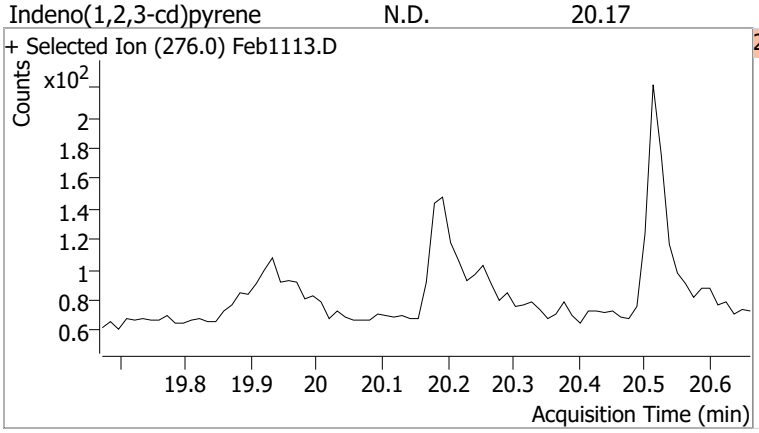


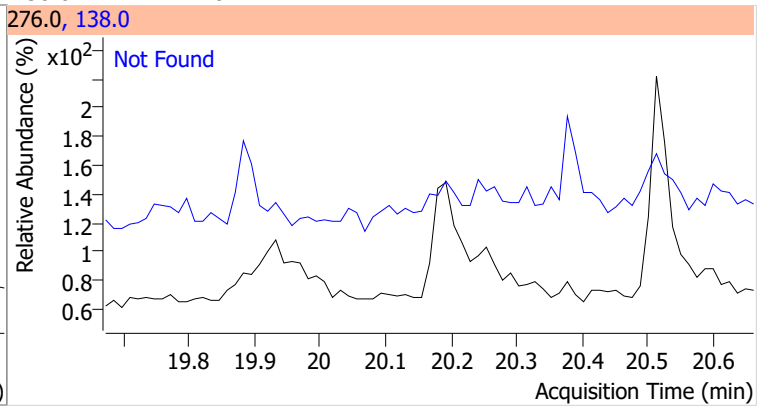
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



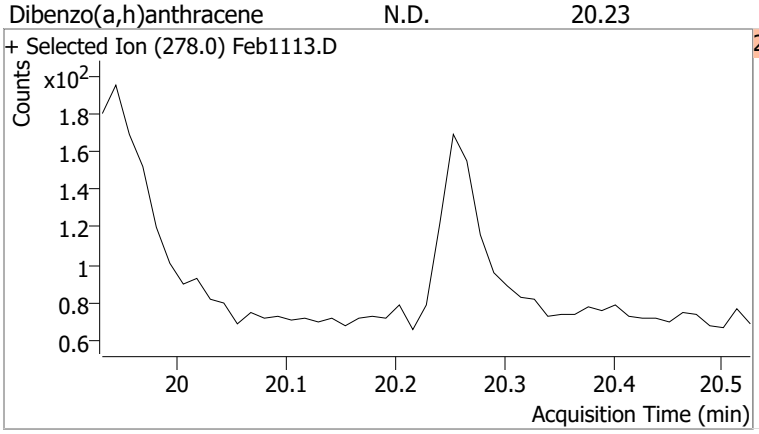


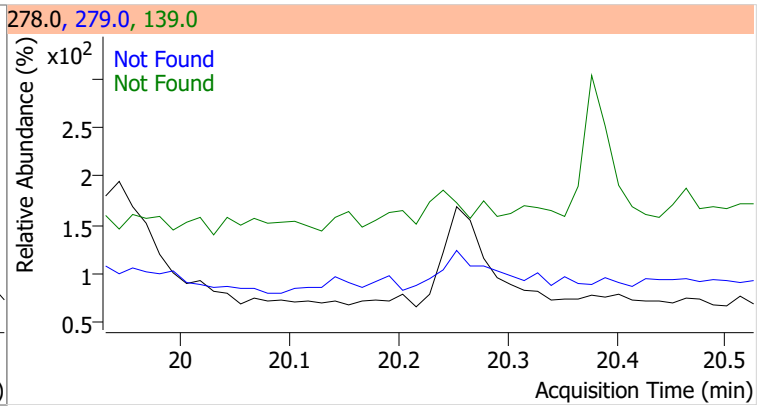
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.17	138.0	20.2



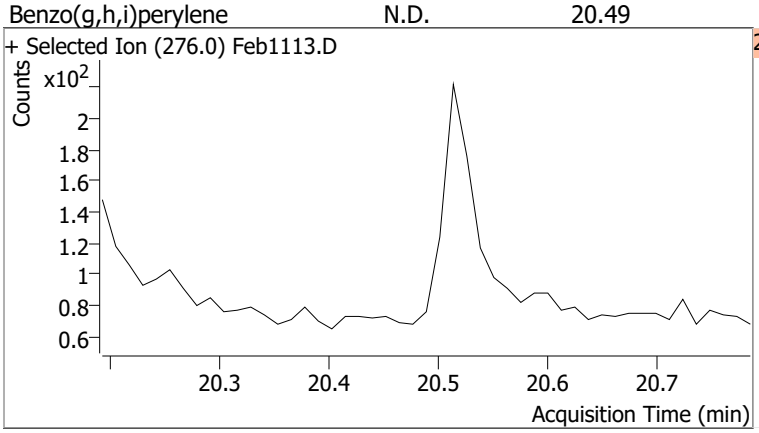


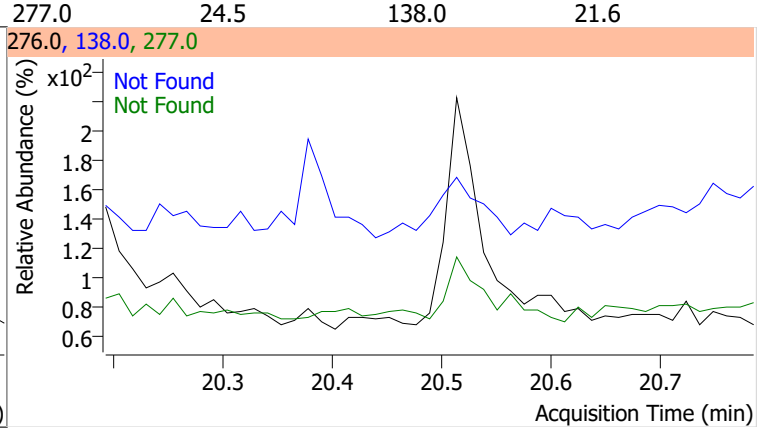
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.9	139.0	16.2





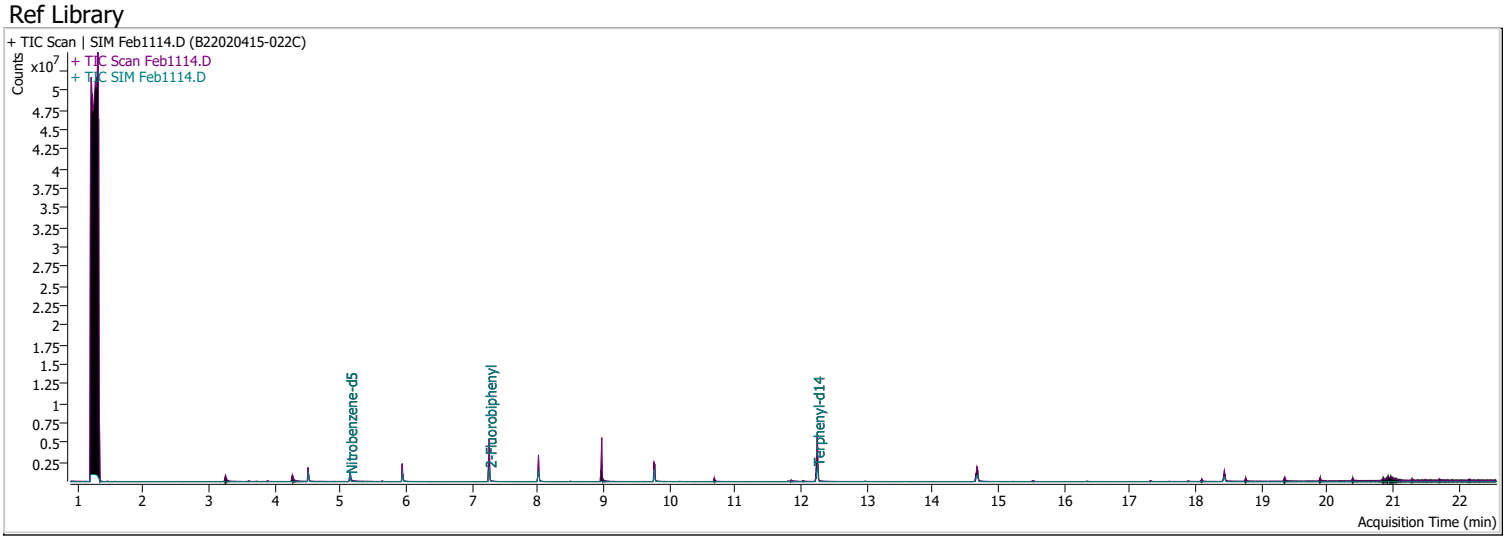
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb1114.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 9:48:56 PM
Sample Name	B22020415-022C	Instrument	GCMS
Vial	14	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			

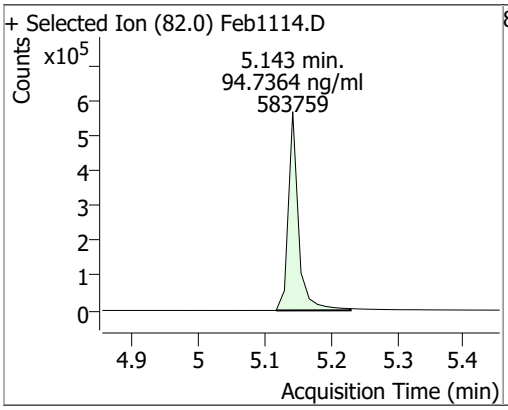


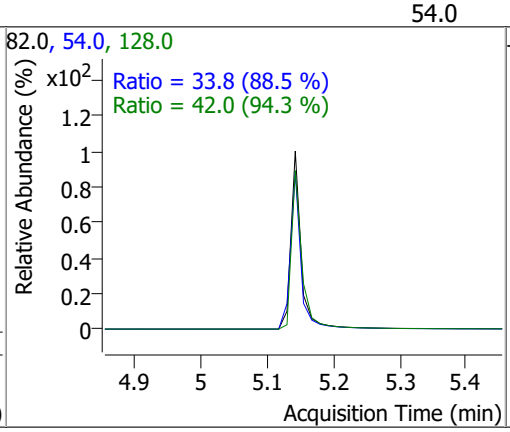
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	309104	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1136160	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.013	164.0	764530	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1406930	40.0000	ng/ml		0.000
M Chrysene-d12	14.677	240.0	1208710	40.0000	ng/ml		0.000
M Perylene-d12	18.438	264.0	756610	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	583759	94.7364	ng/ml		-0.012
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1894.73%		*	
S 2-Fluorobiphenyl	7.265	172.0	1744882	84.1607	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1683.21%		*	
S o-Terphenyl	0.000		0	N.D.			
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	12.251	244.0	2630586	65.6586	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1313.17%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.038	154.0	0		ng/ml	md	1
T Fluorene	8.674	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	14.677	228.0	0		ng/ml	md	1
T Chrysene	14.739	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

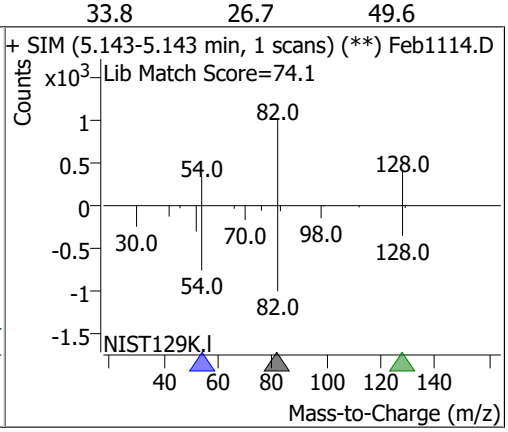
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.326	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

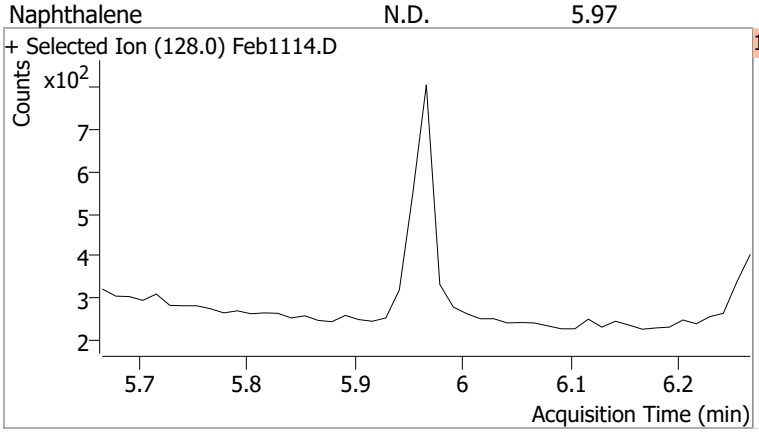
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	94.7364	5.14	-0.01	583759	128.0	42.0	31.2	57.9
					54.0	33.8	26.7	49.6

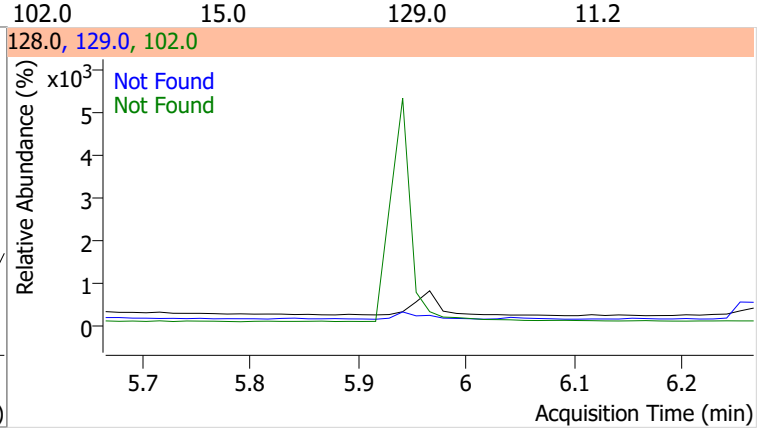




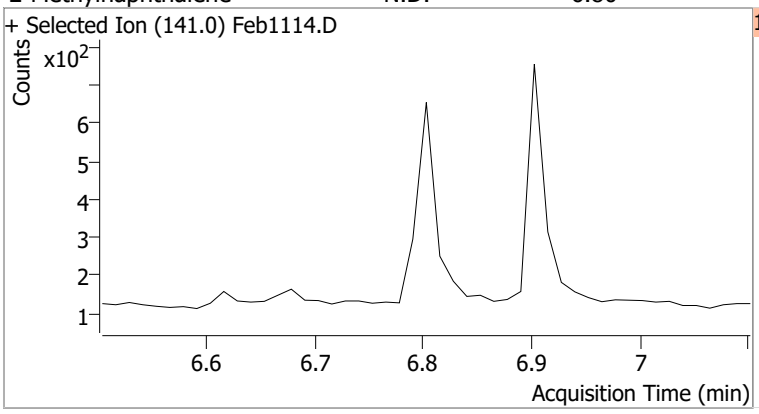


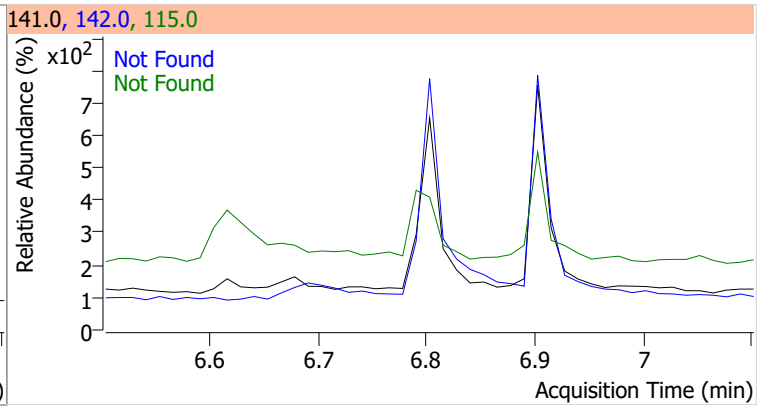
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.97	102.0	15.0	129.0	11.2



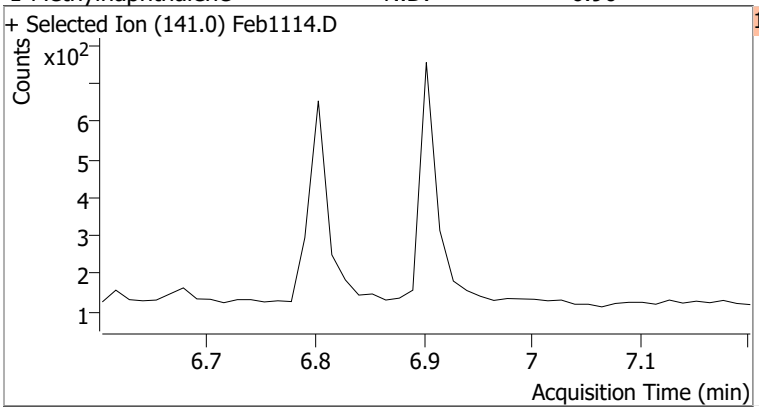


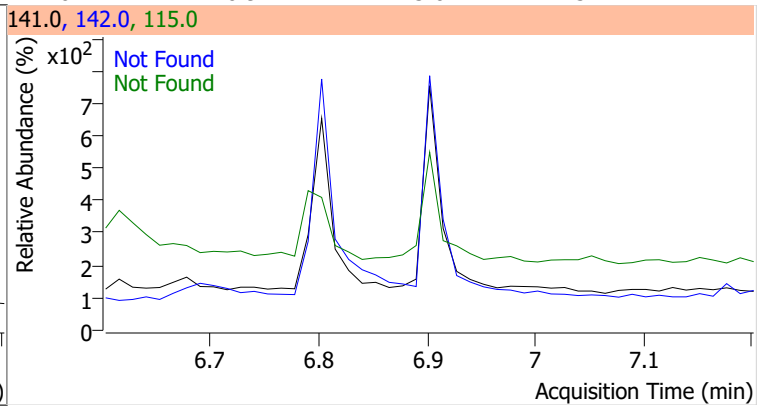
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.80	142.0	135.7	115.0	47.1



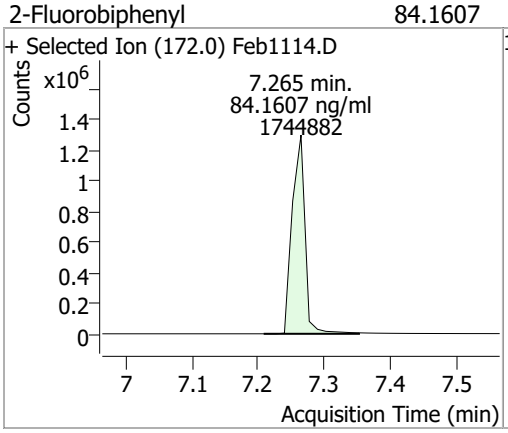


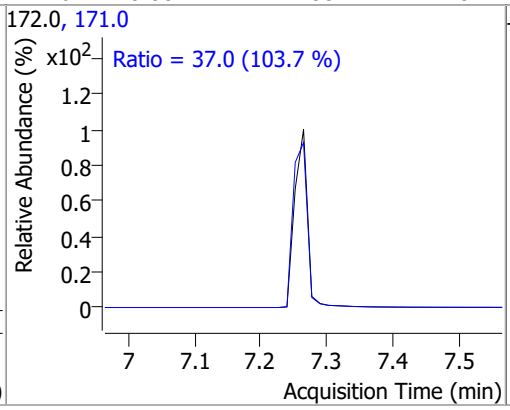
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	110.9	115.0	52.2

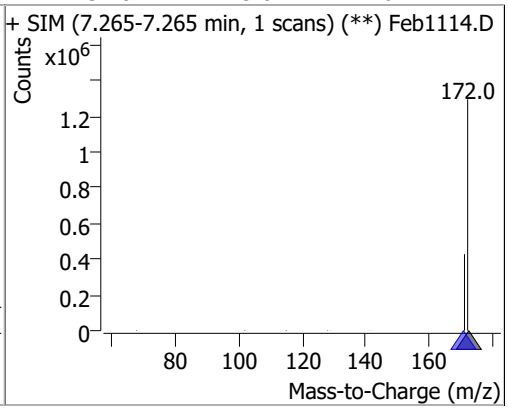




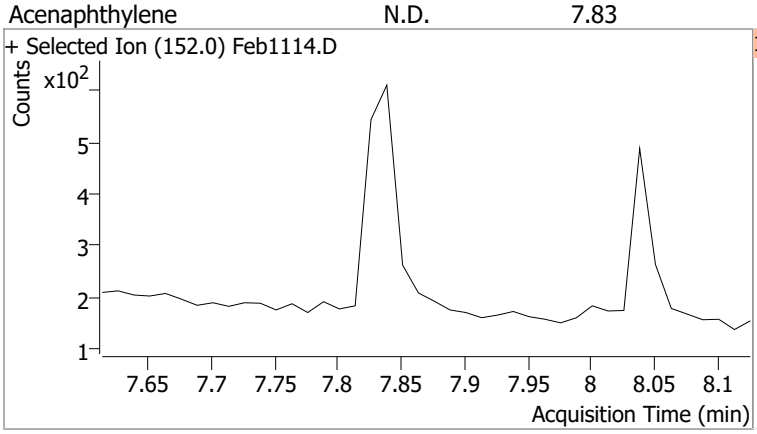
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	84.1607	7.26	0.00	1744882	171.0	37.0	25.0	46.4

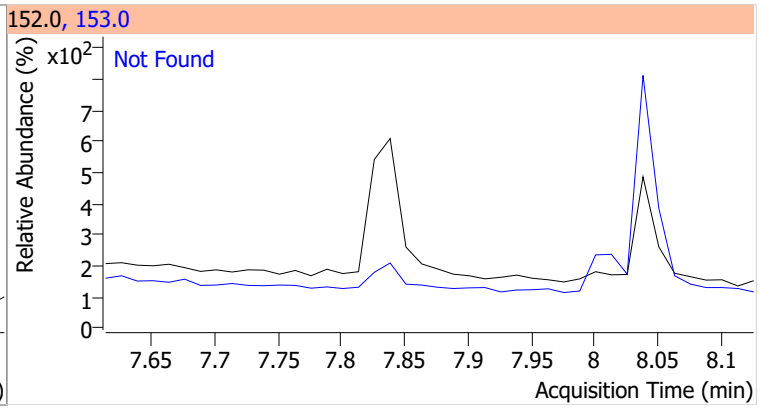




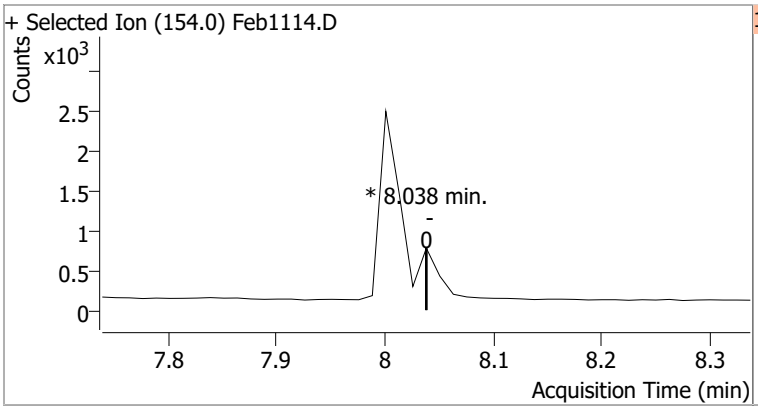


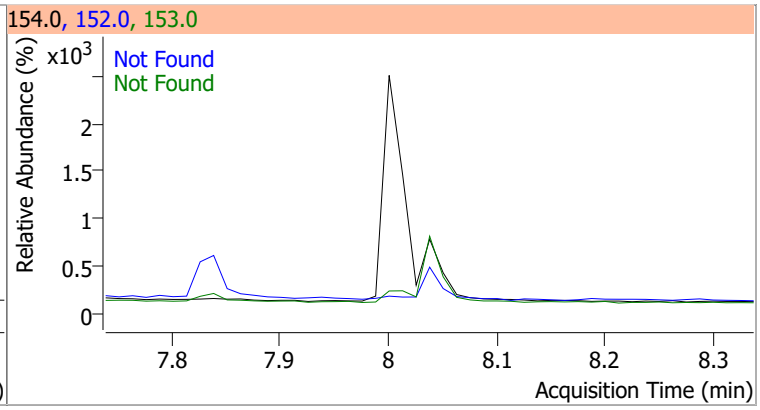
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	17.6



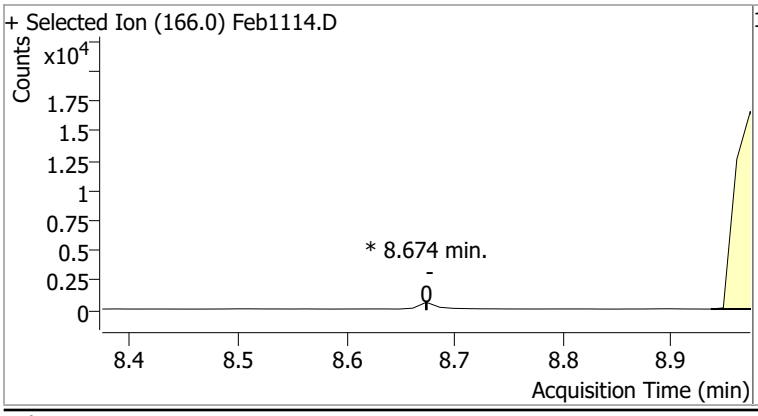


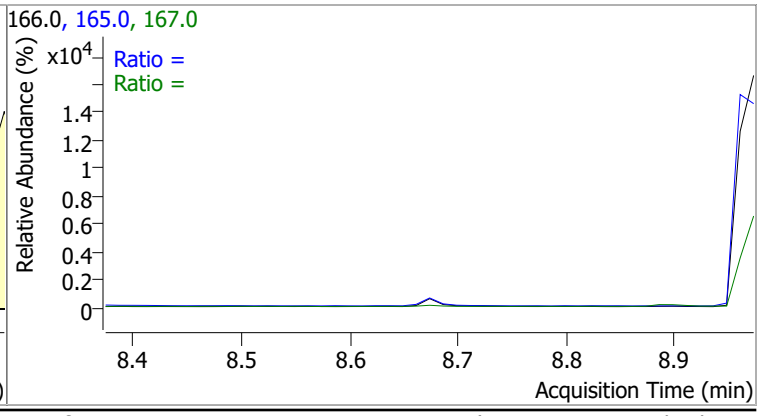
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



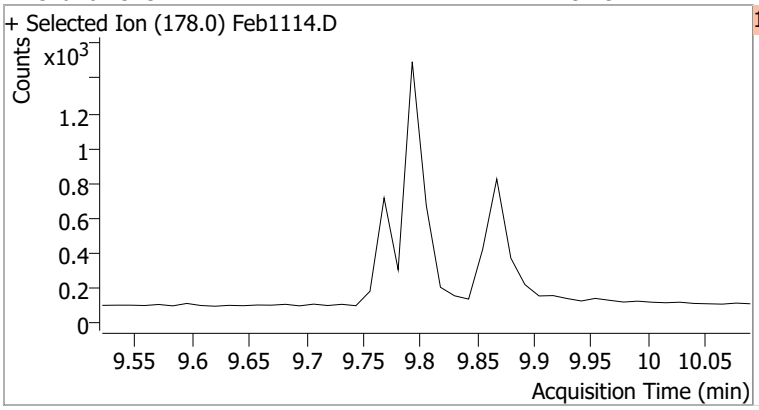


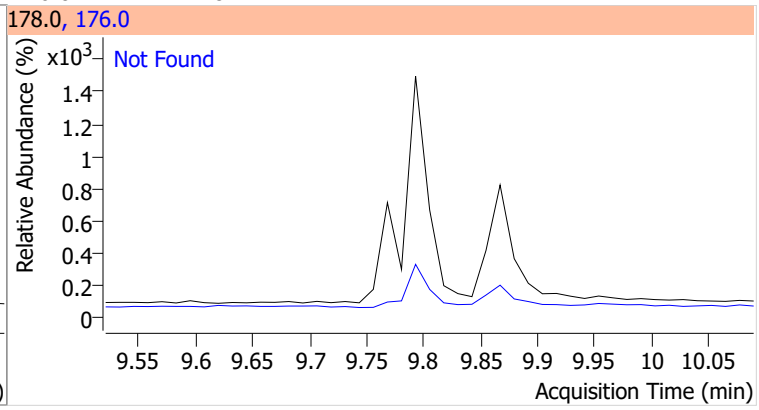
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



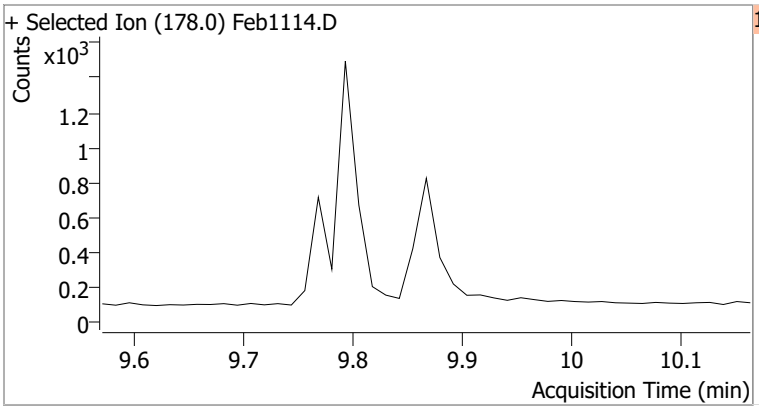


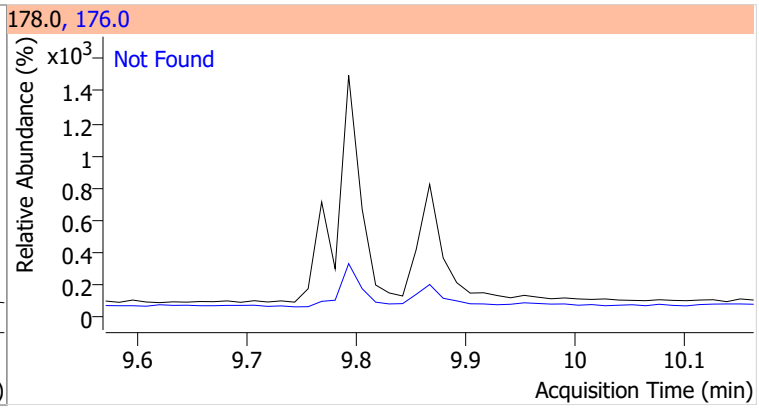
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.4



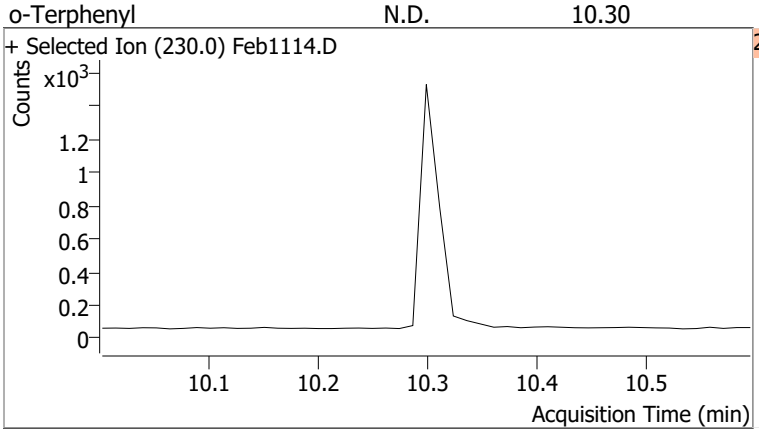


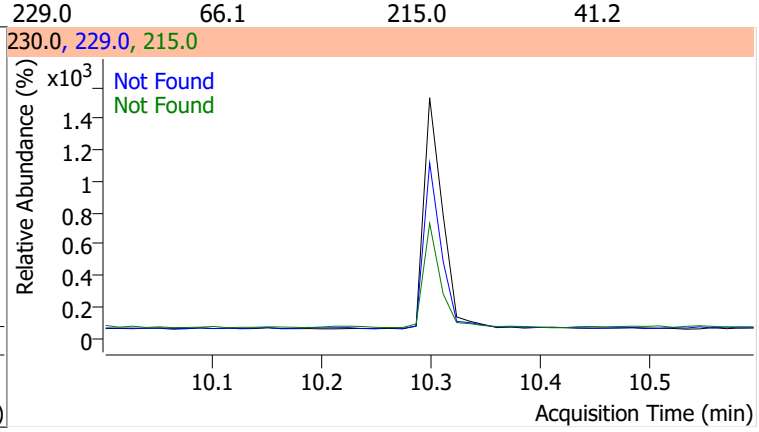
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.87	176.0	18.1



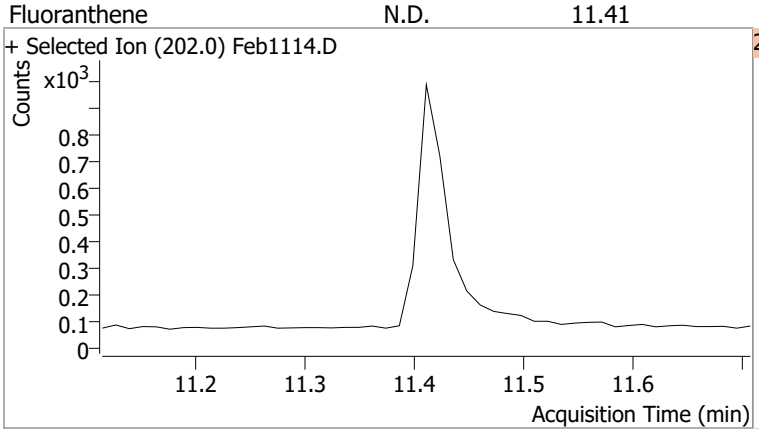


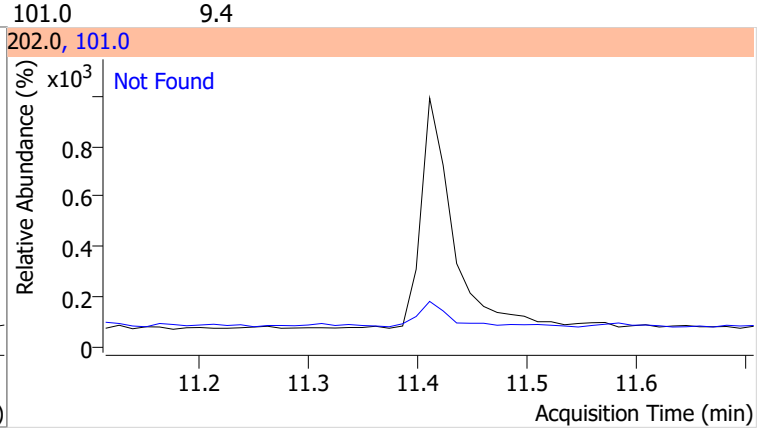
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.30	229.0	66.1	215.0	41.2



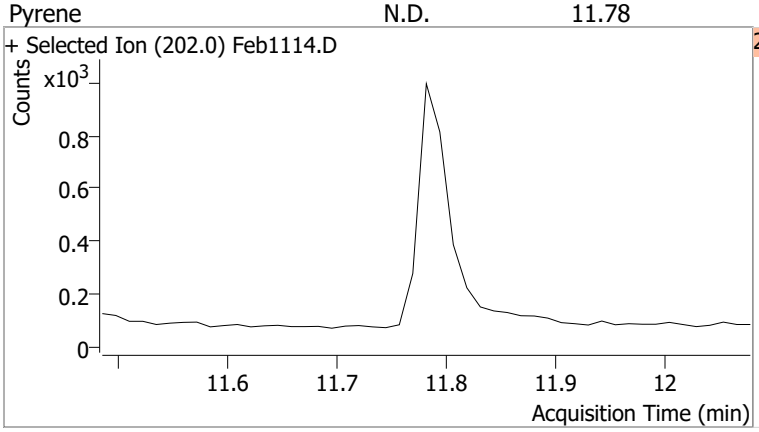


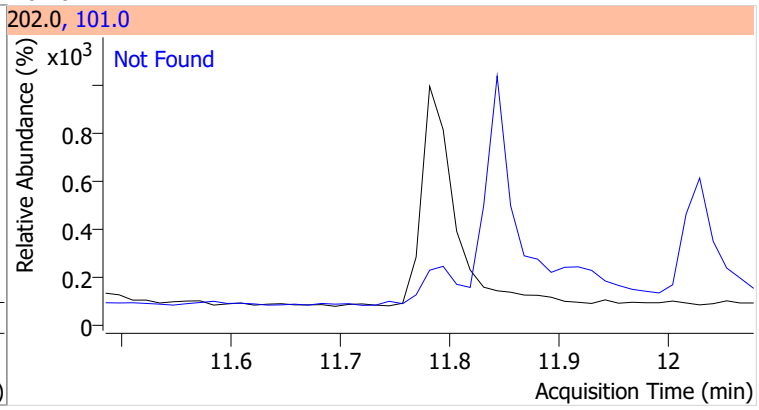
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.41	101.0	9.4



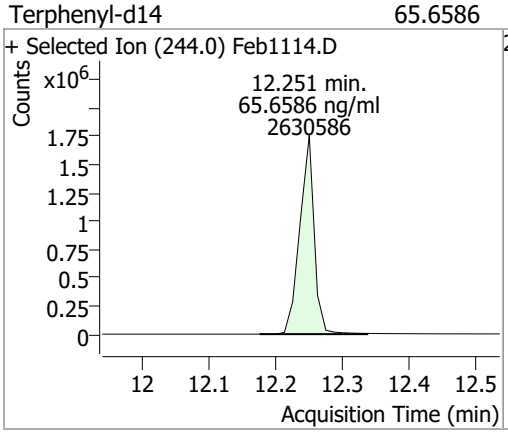


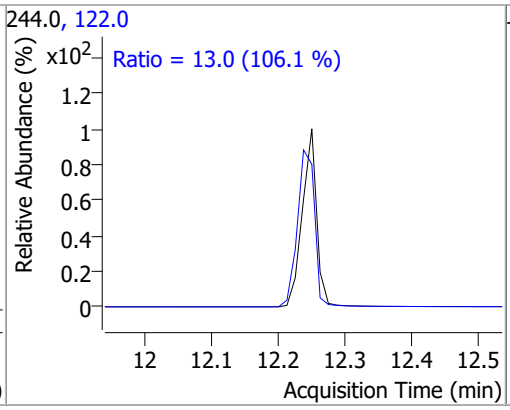
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.78	101.0	11.7

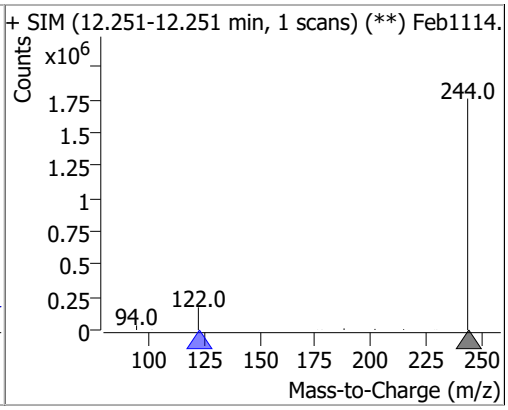




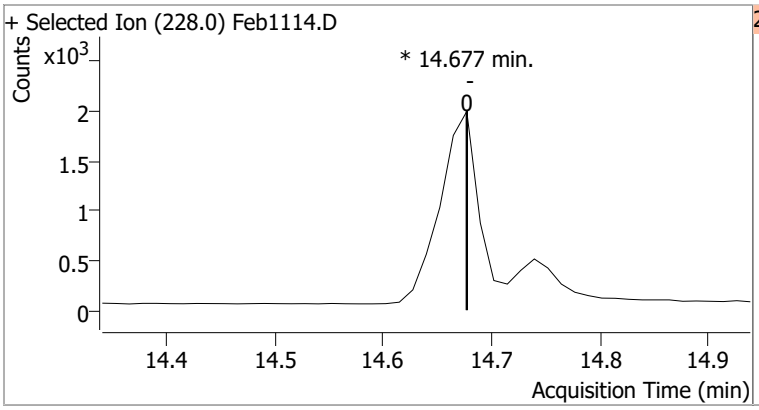
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	65.6586	12.25	0.01	2630586	122.0	13.0	8.6	15.9

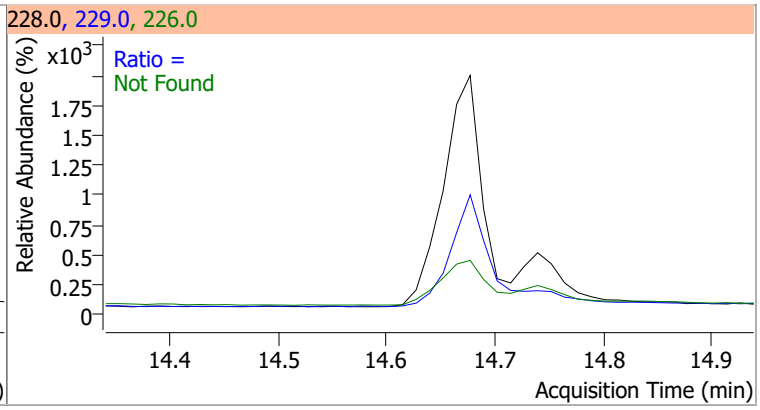




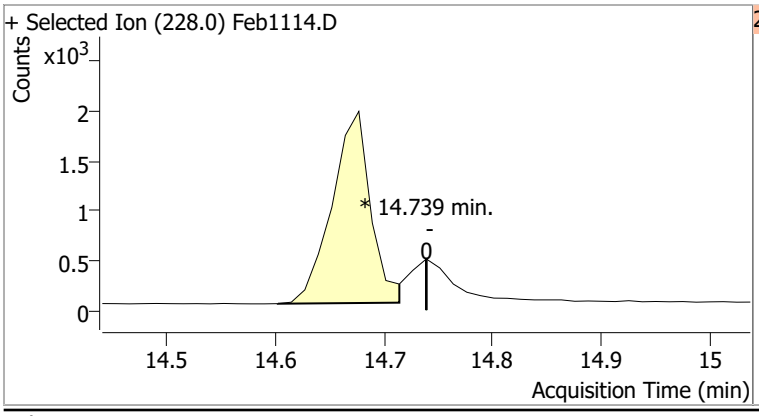


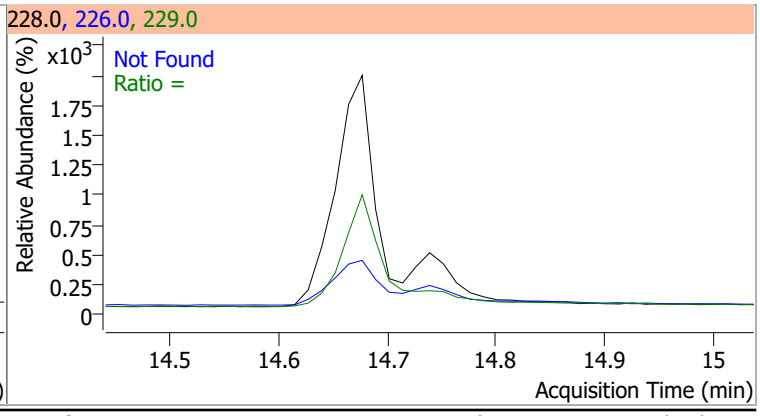
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene		0		0	226.0		18.7	34.8
					229.0		17.3	32.1



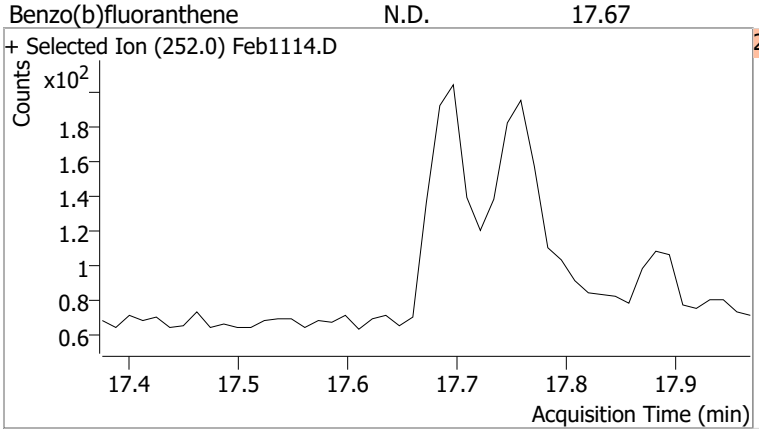


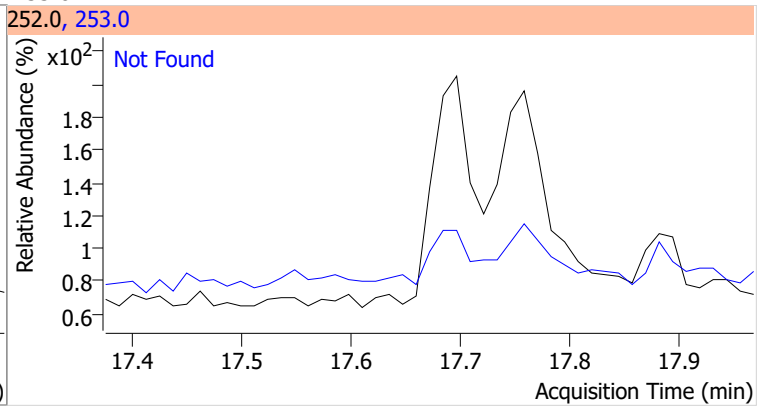
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



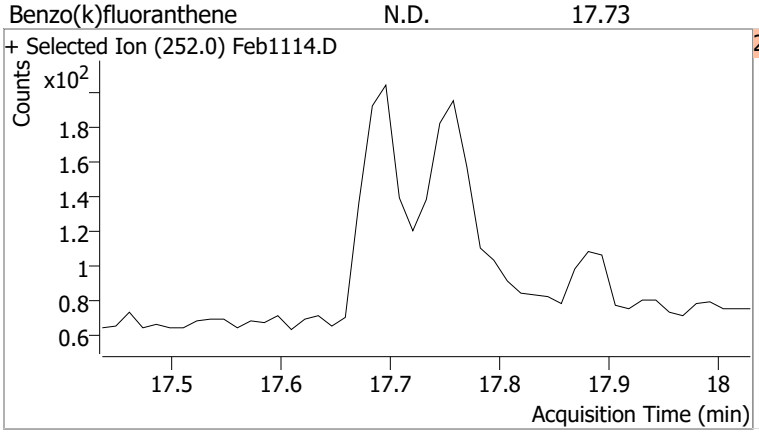


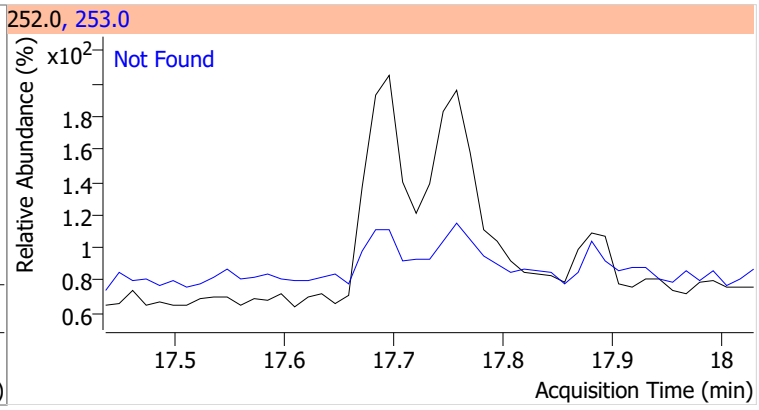
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.67	253.0	22.2



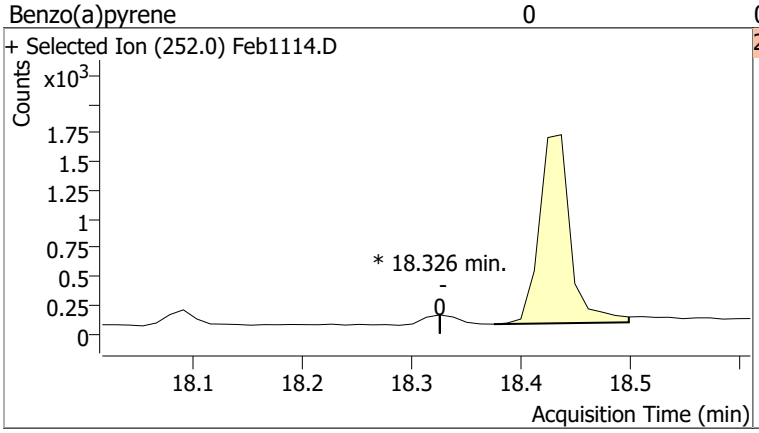


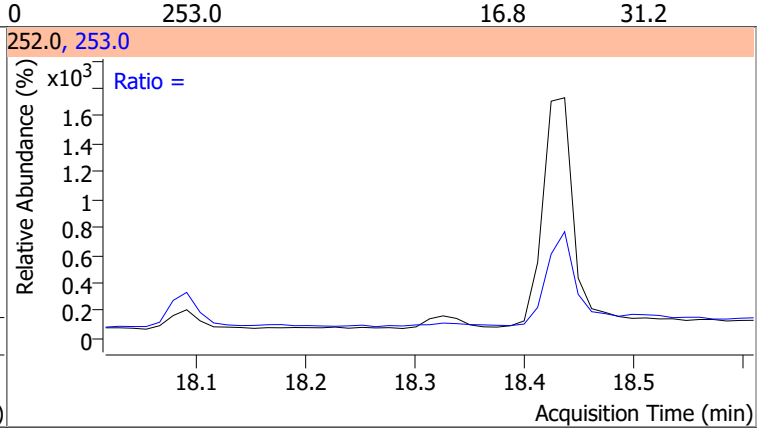
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.73	253.0	23.6



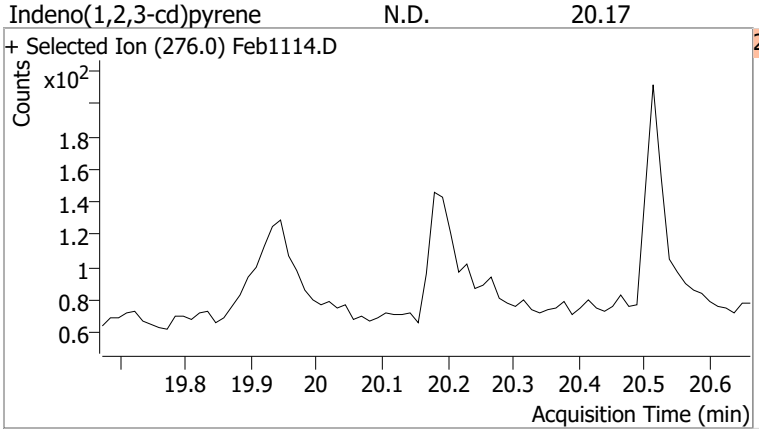


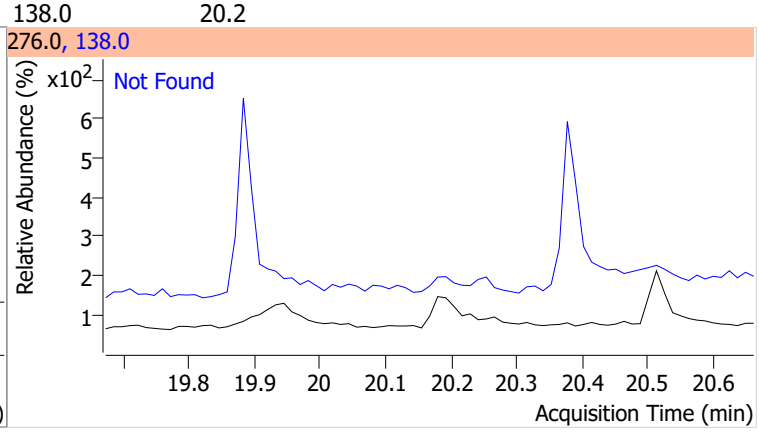
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



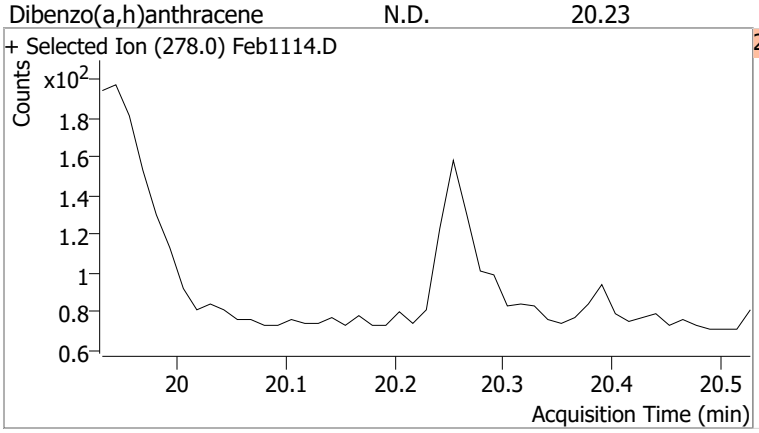


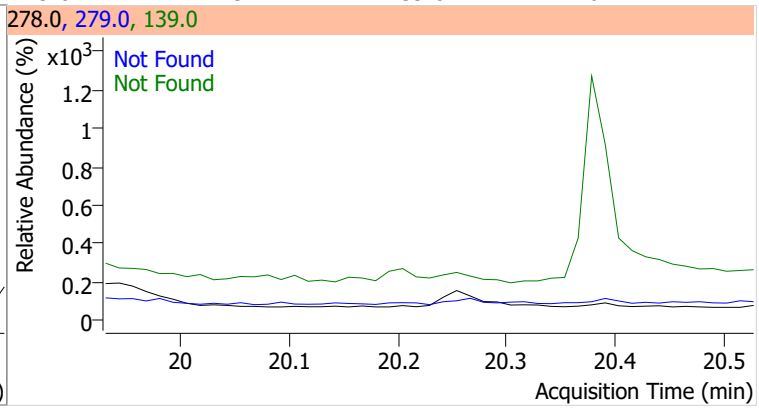
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.17	138.0	20.2



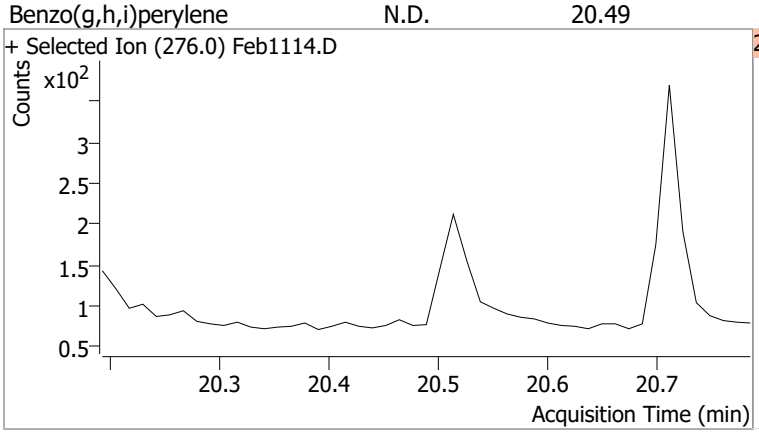


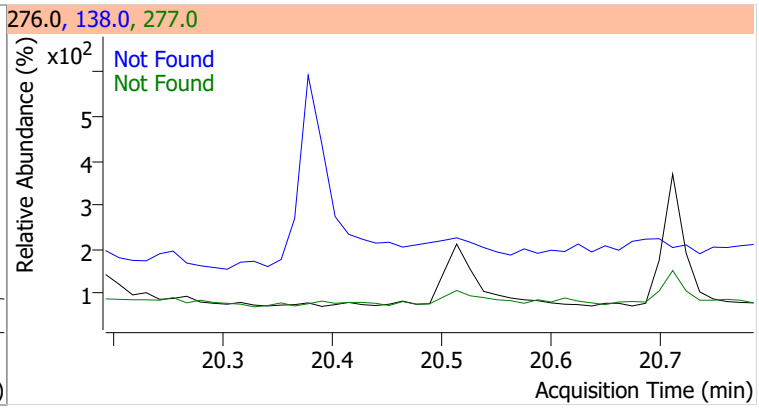
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.9	139.0	16.2





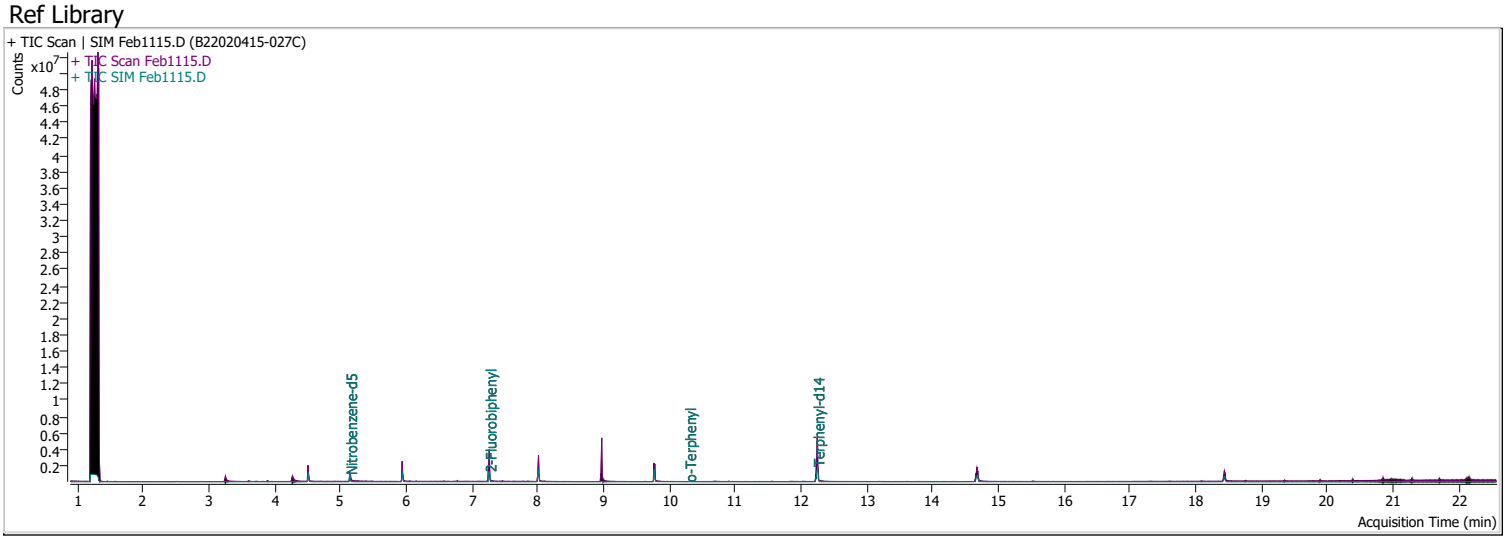
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb1115.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 10:21:26 PM
Sample Name	B22020415-027C	Instrument	GCMS
Vial	15	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			

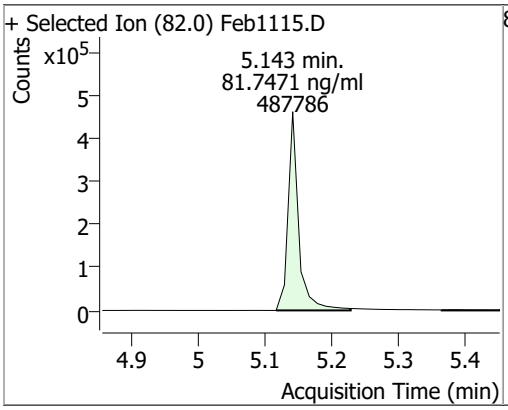


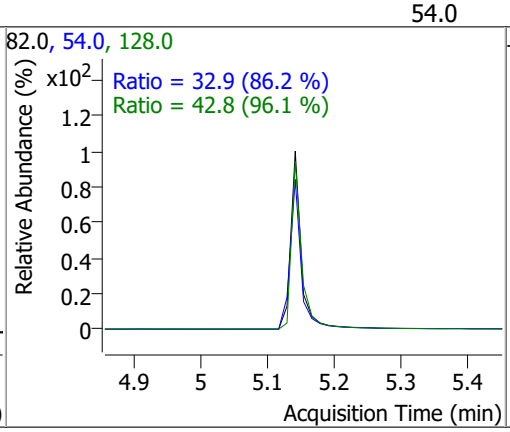
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	299327	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1093321	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.000	164.0	709878	40.0000	ng/ml		-0.013
M Phenanthrene-d10	9.768	188.0	1367549	40.0000	ng/ml		0.000
M Chrysene-d12	14.677	240.0	1157695	40.0000	ng/ml		0.000
M Perylene-d12	18.437	264.0	712203	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	487786	81.7471	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1634.94%		*	
S 2-Fluorobiphenyl	7.264	172.0	1361209	68.8715	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1377.43%		*	
S o-Terphenyl	10.299	230.0	2348	0.0314	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 0.63%		*	
S Terphenyl-d14	12.251	244.0	2404954	63.4975	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1269.95%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.038	154.0	0		ng/ml	md	1
T Fluorene	8.673	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	14.739	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

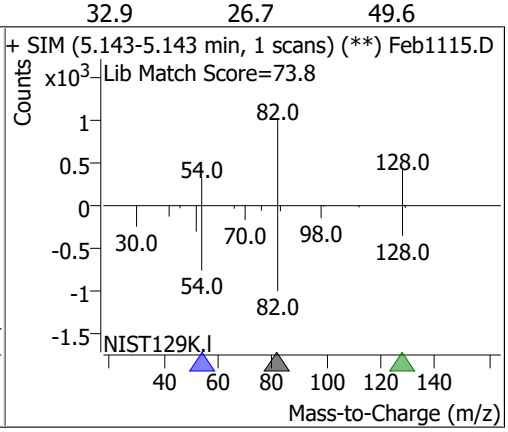
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.326	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

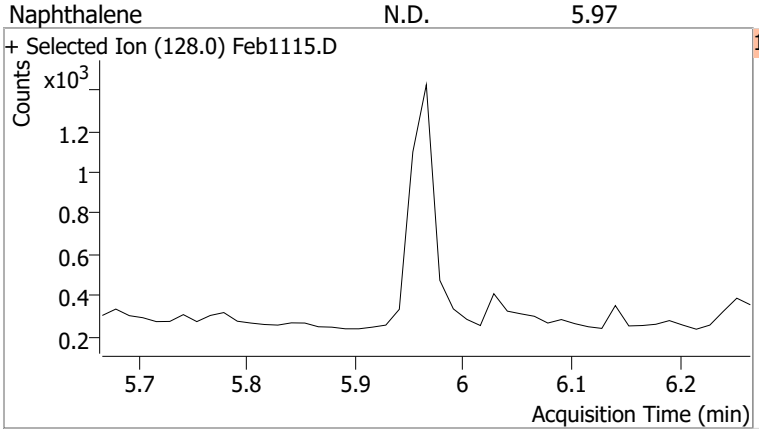
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	81.7471	5.14	-0.01	487786	128.0	42.8	31.2	57.9
					54.0	32.9	26.7	49.6

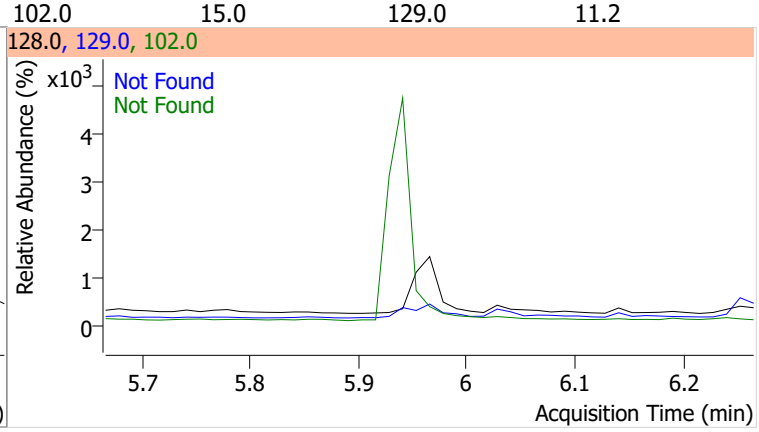




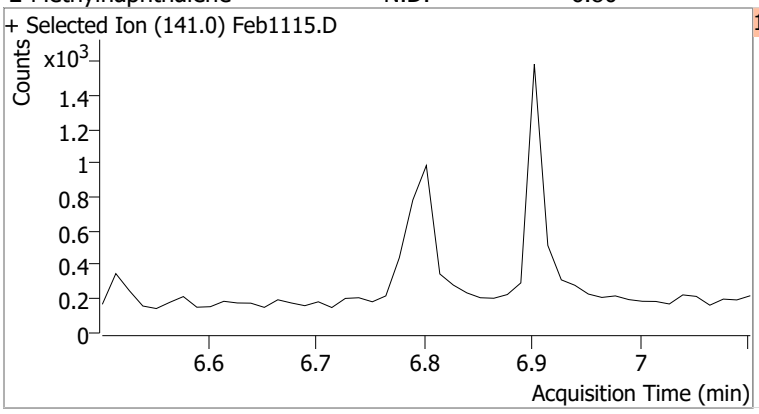


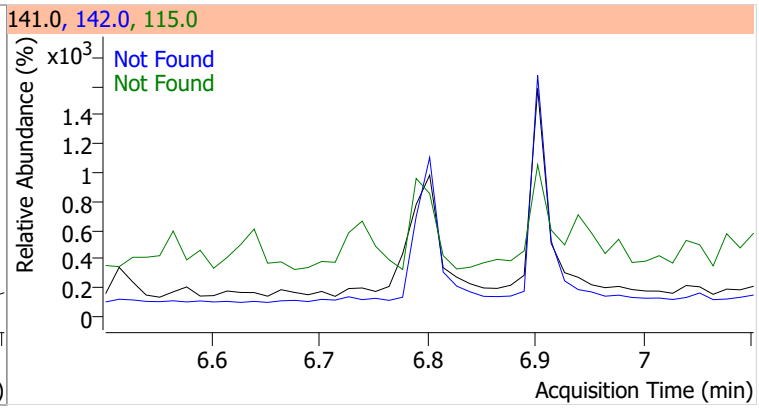
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.97	102.0	15.0	129.0	11.2



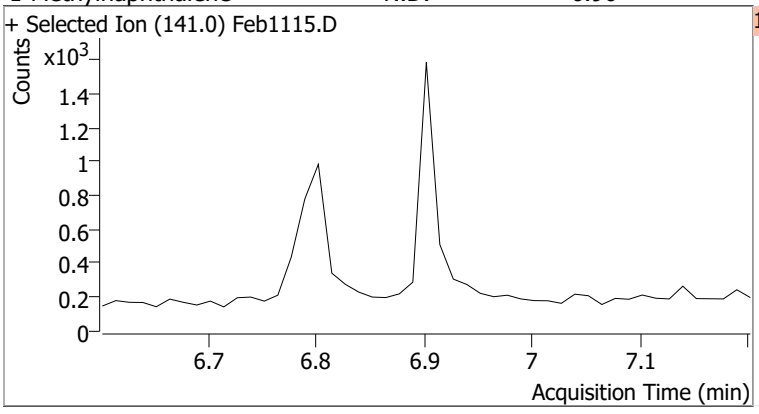


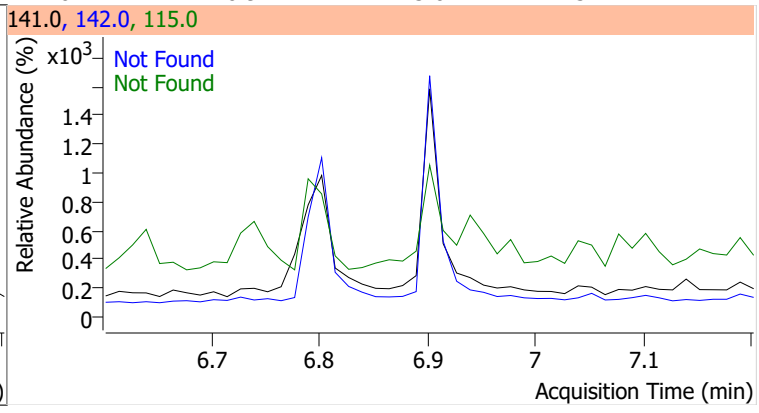
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.80	142.0	135.7	115.0	47.1



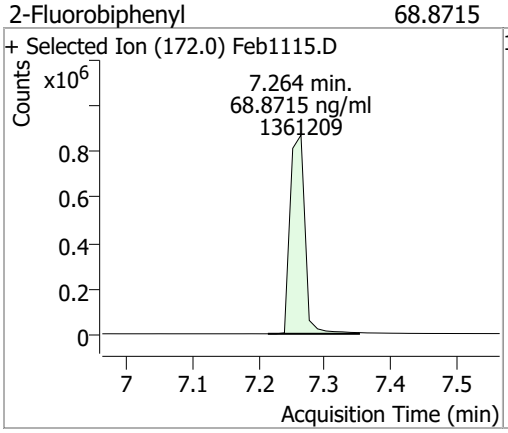


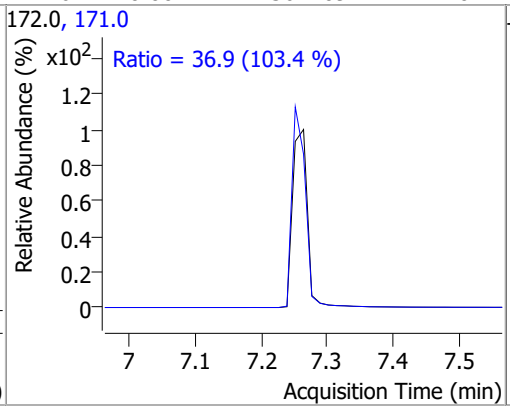
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	110.9	115.0	52.2

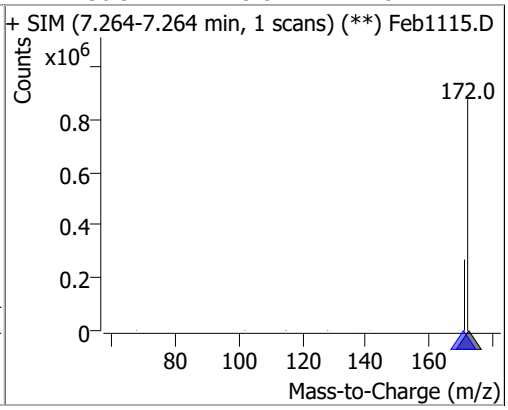




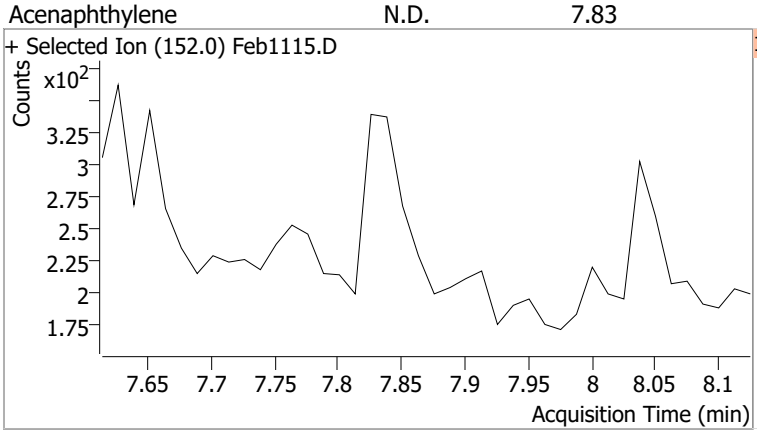
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	68.8715	7.26	0.00	1361209	171.0	36.9	25.0	46.4

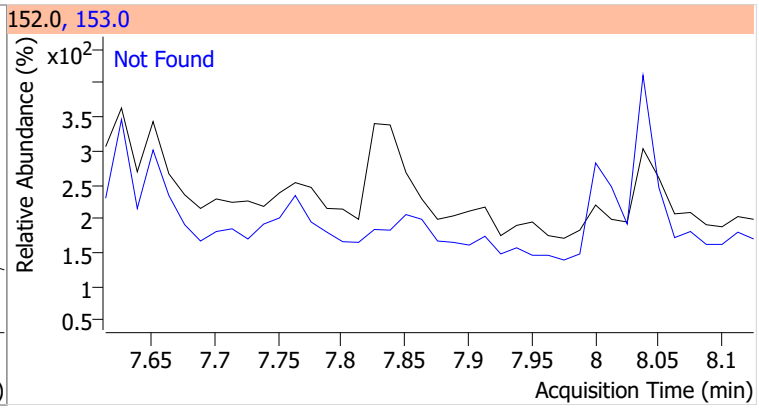




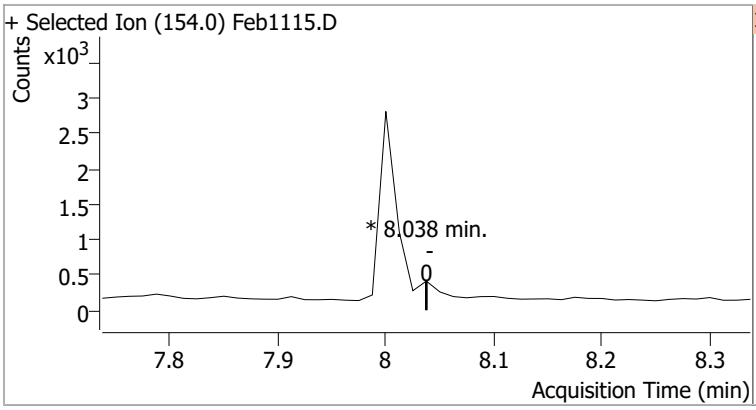


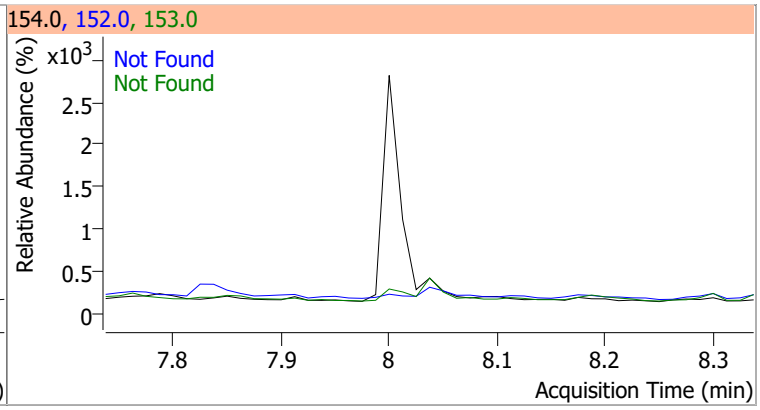
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	17.6



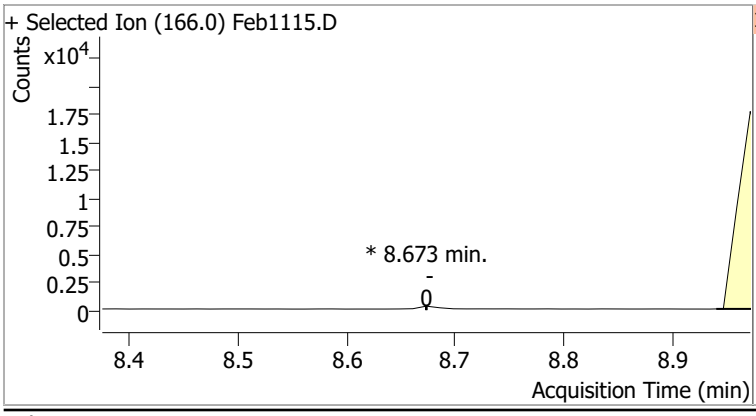


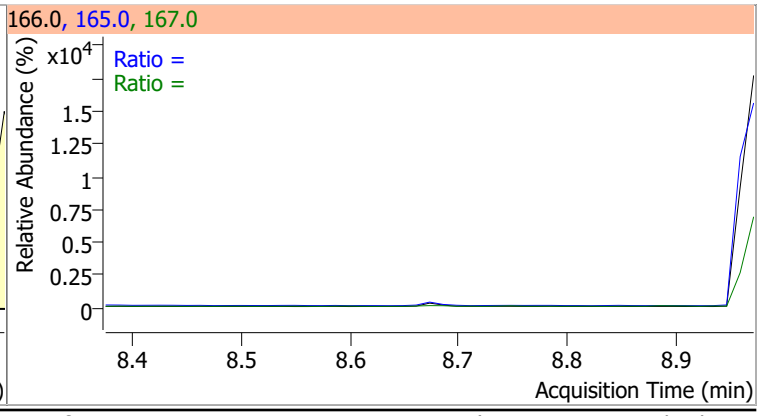
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



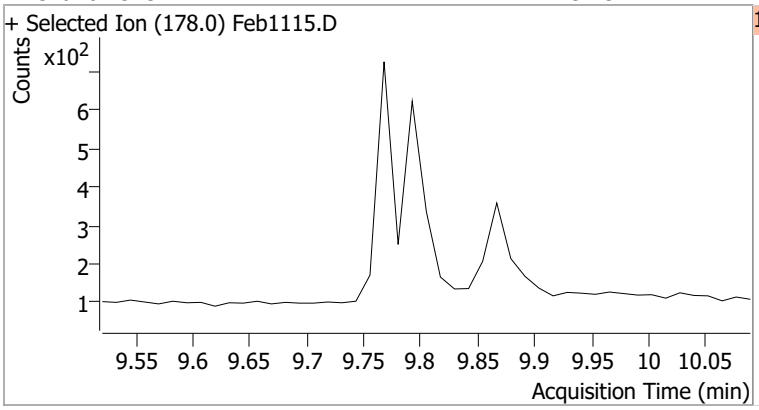


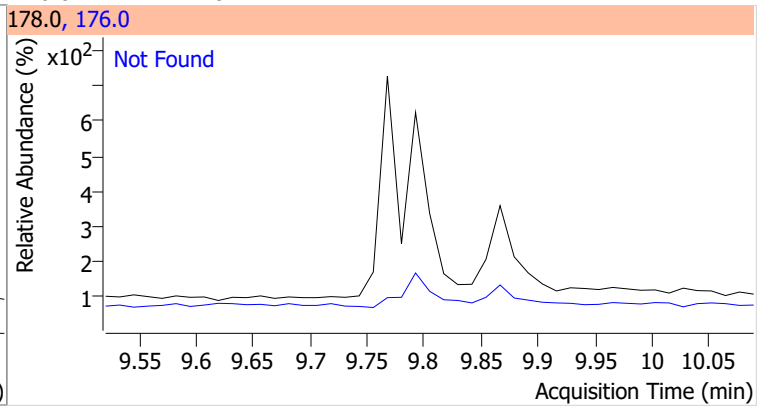
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



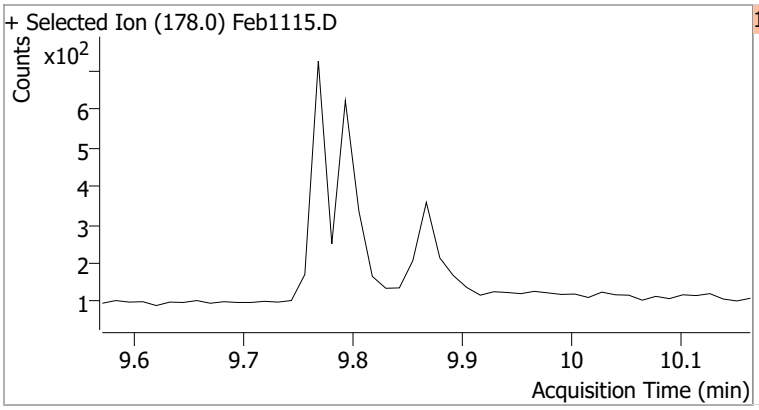


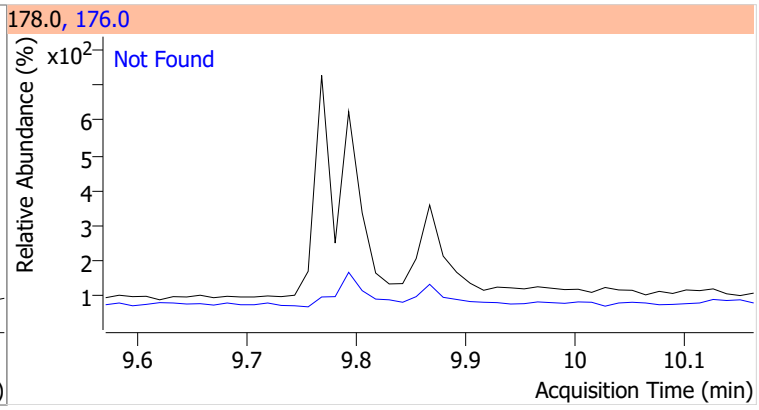
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.4



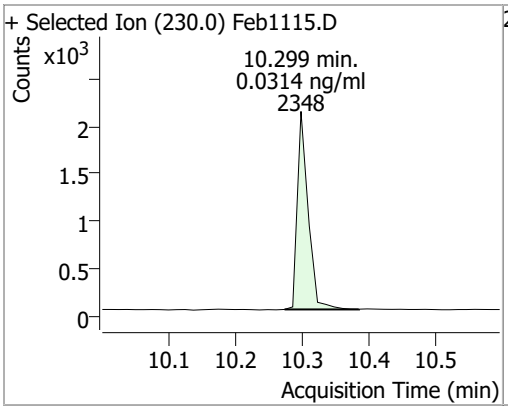


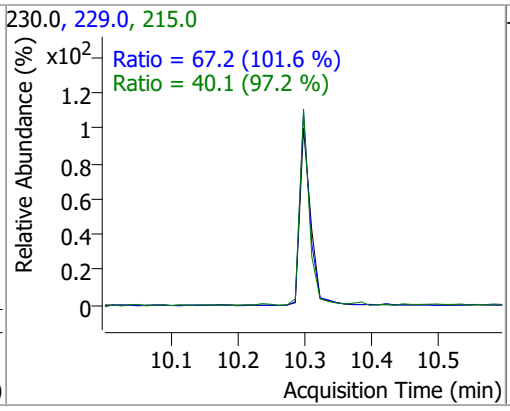
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.87	176.0	18.1

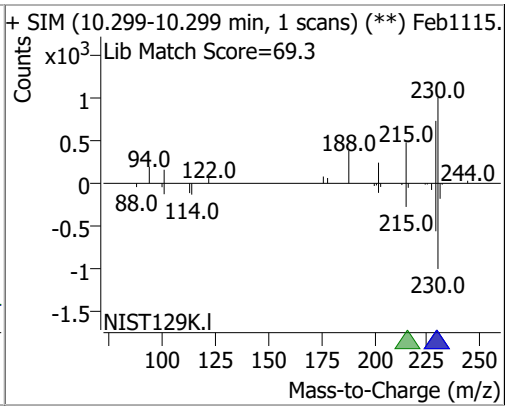




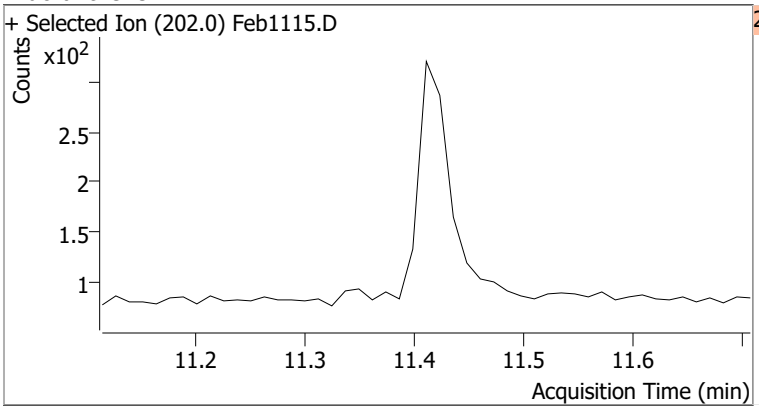
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.0314	10.30	0.00	2348	229.0	67.2	46.3	85.9
					215.0	40.1	28.9	53.6

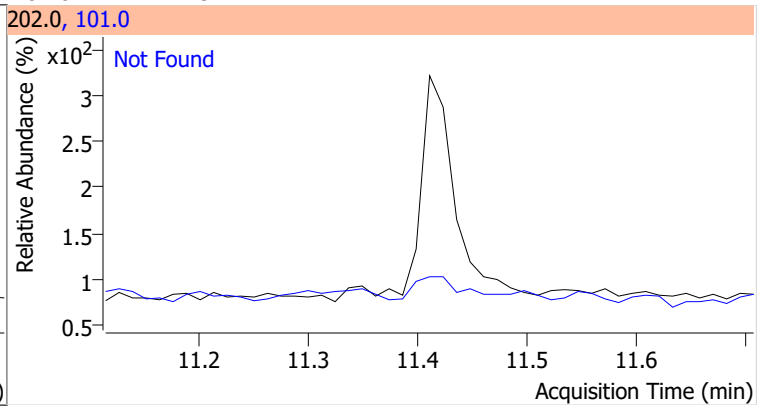




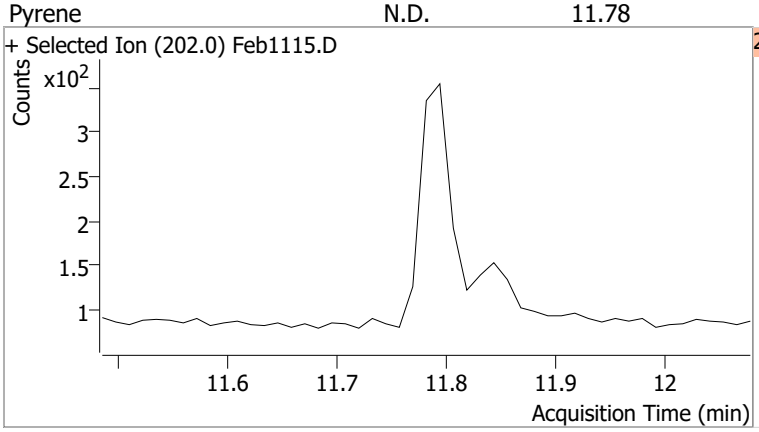


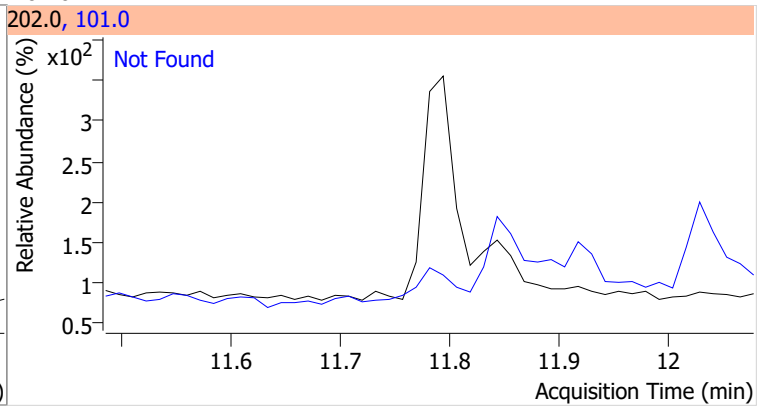
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.41	101.0	9.4



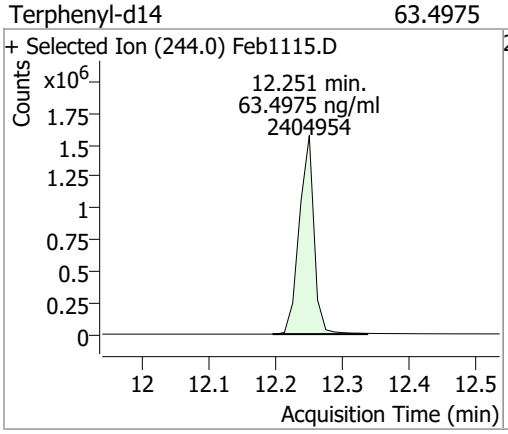


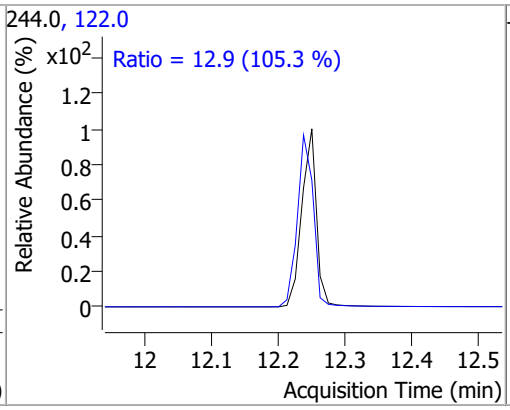
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.78	101.0	11.7

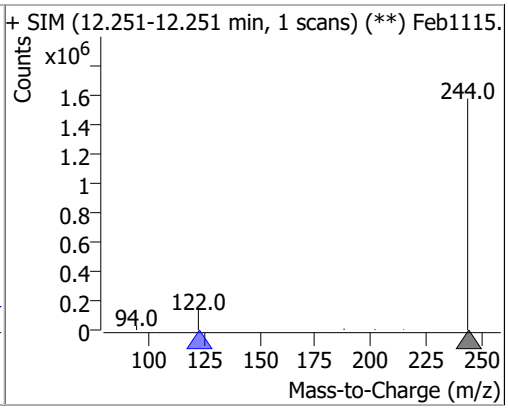




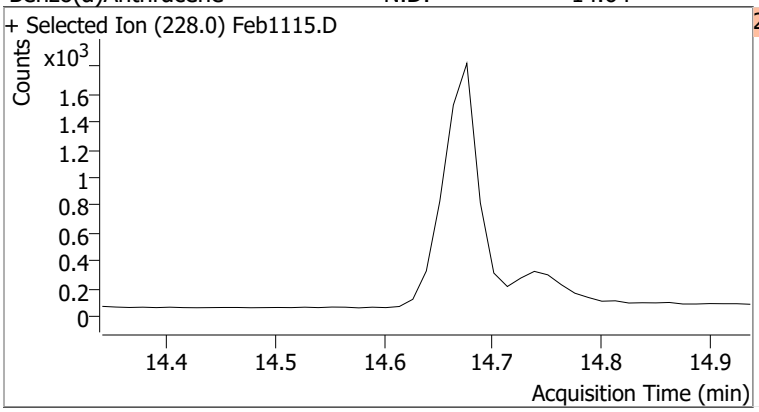
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	63.4975	12.25	0.01	2404954	122.0	12.9	8.6	15.9

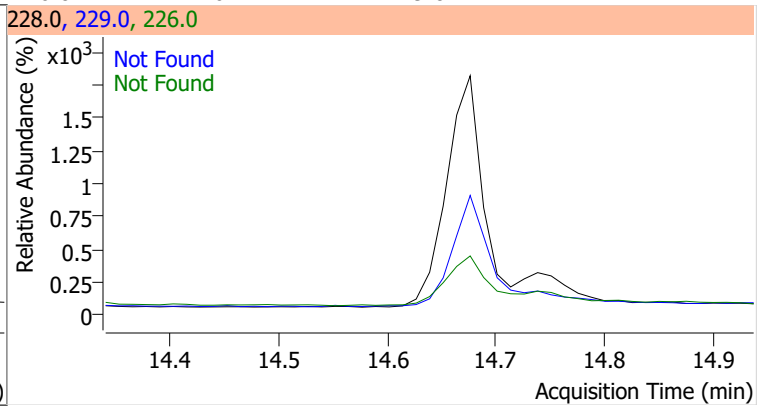




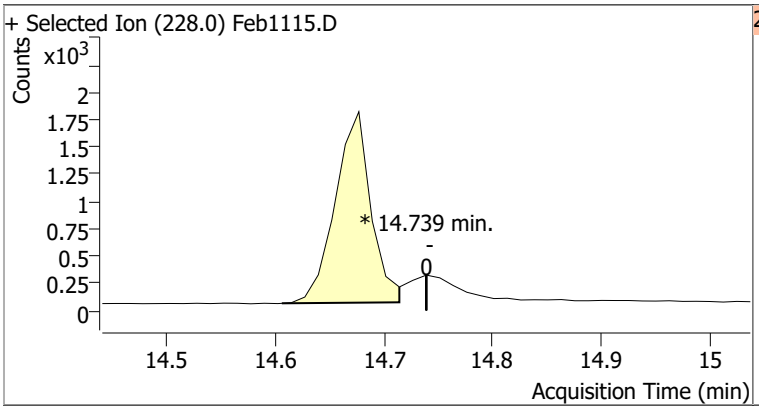


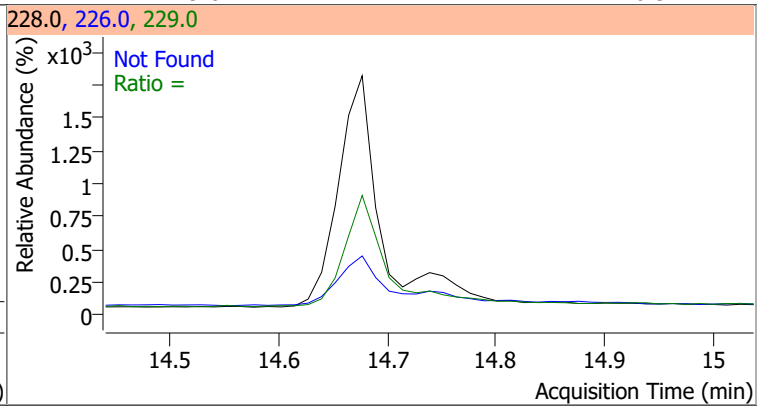
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	14.64	226.0	26.7	229.0	24.7



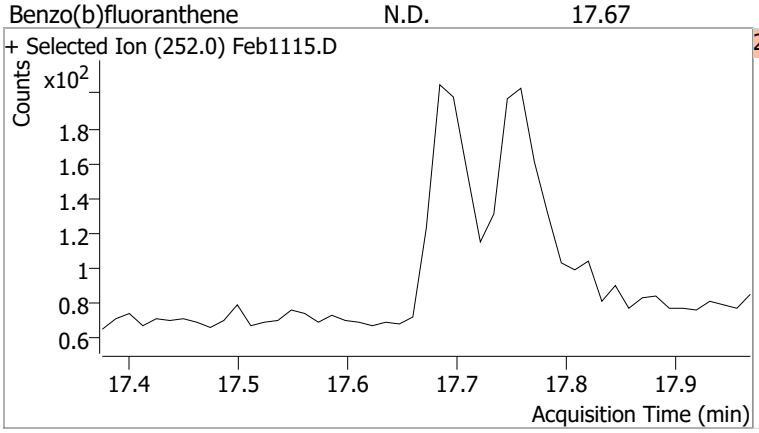


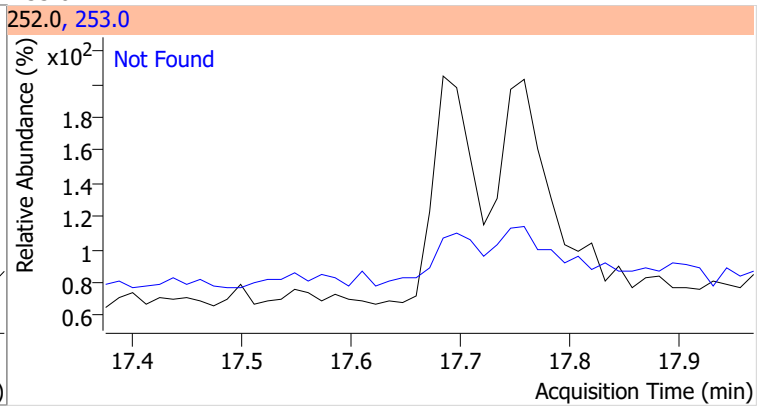
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



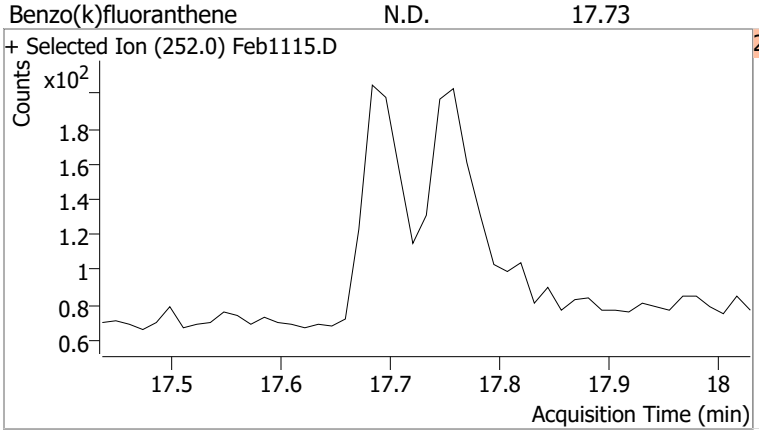


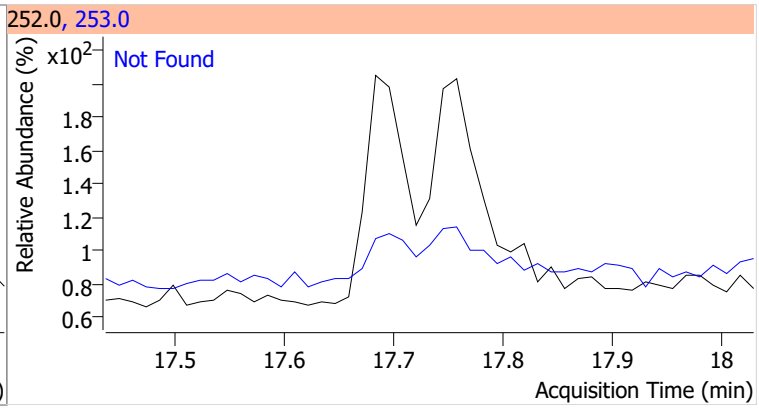
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.67	253.0	22.2



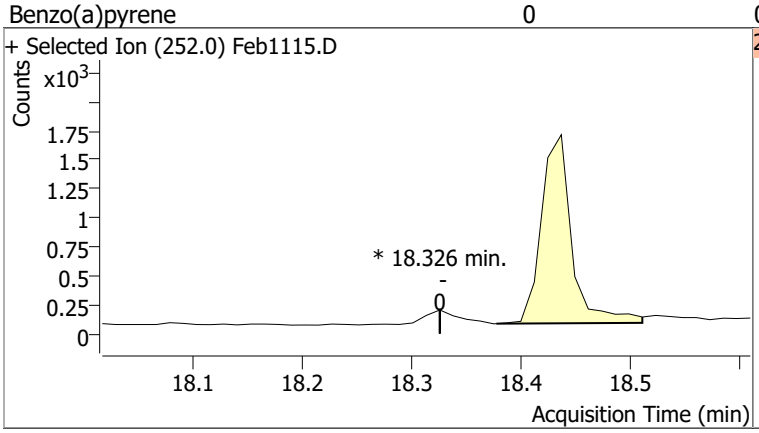


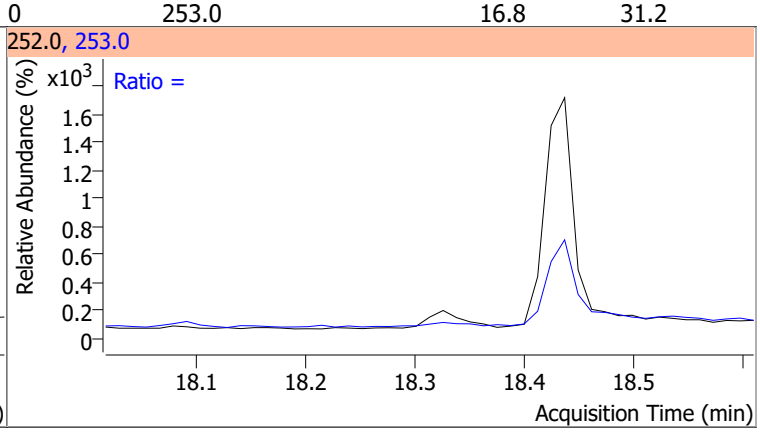
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.73	253.0	23.6



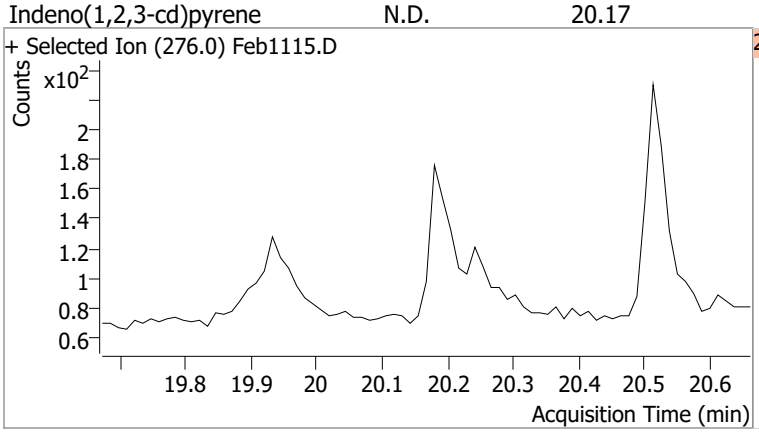


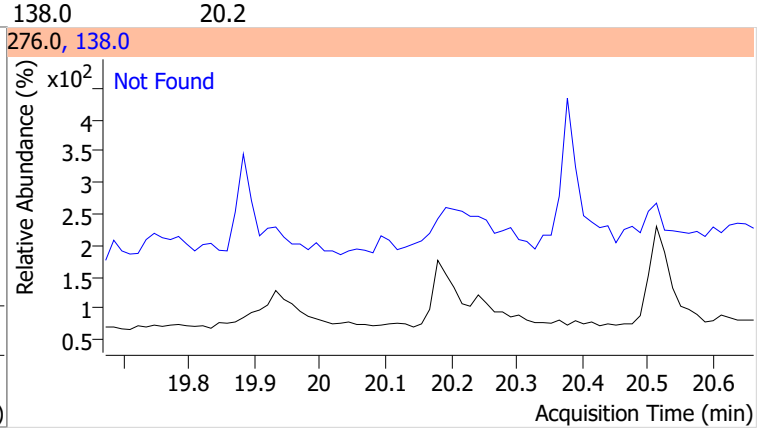
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



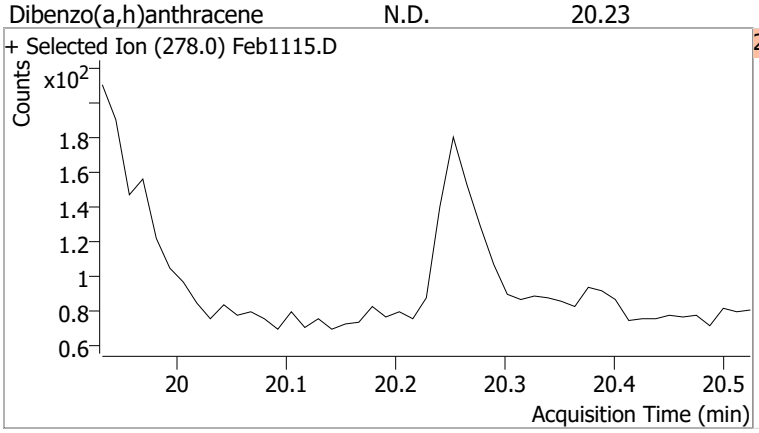


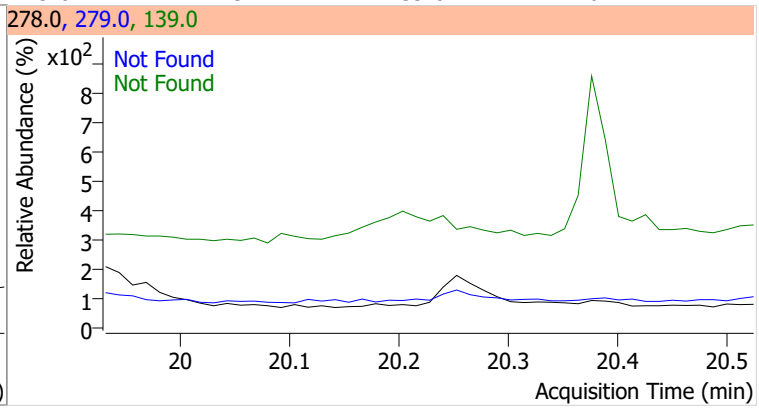
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.17	138.0	20.2



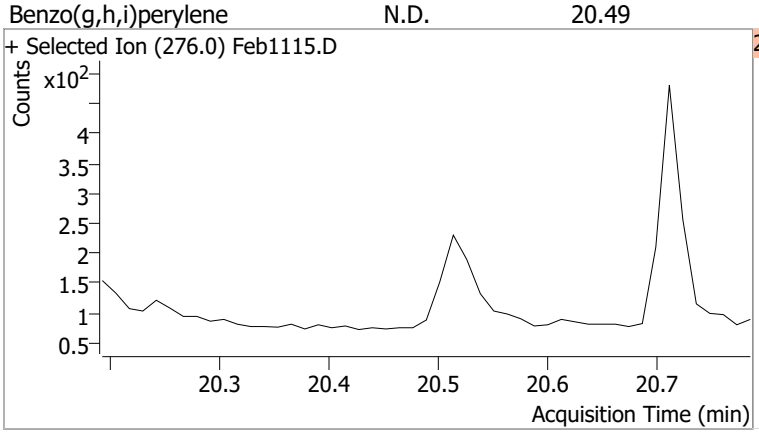


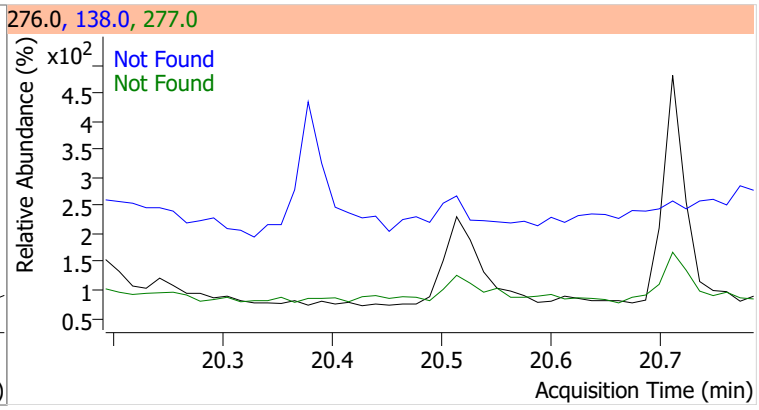
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.9	139.0	16.2





Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb1116.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/11/2022 10:53:44 PM
Sample Name	B22020415-032C	Instrument	GCMS
Vial	16	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
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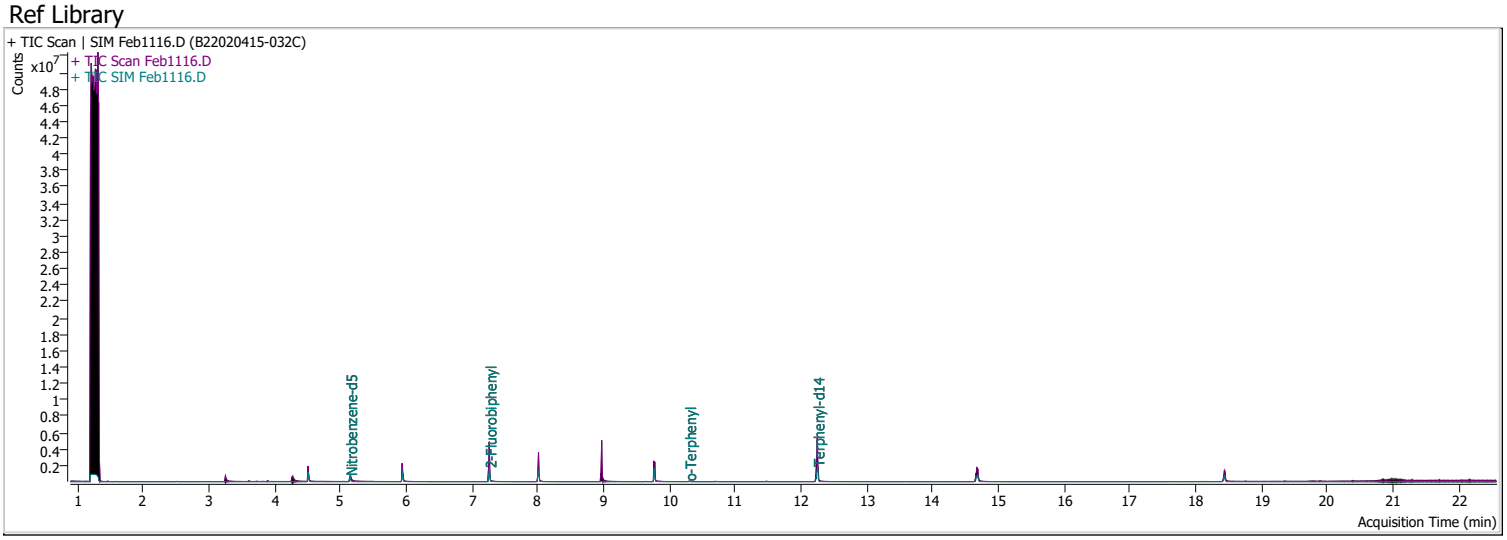
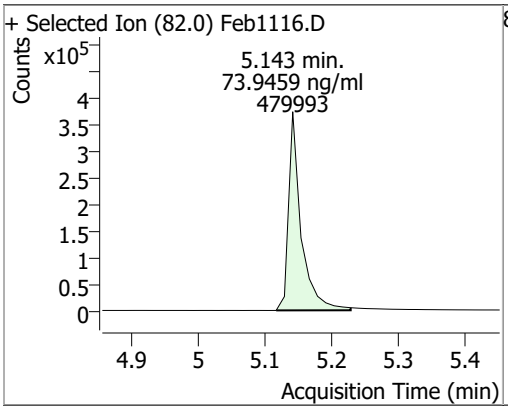


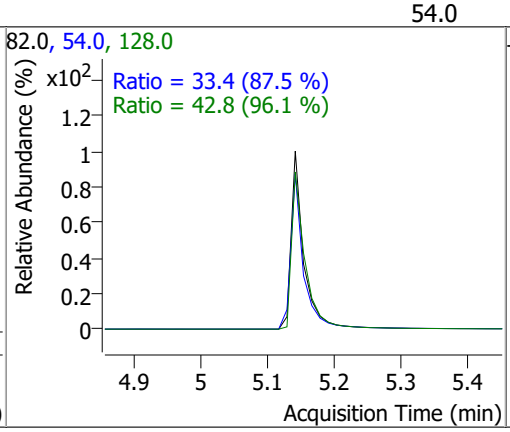
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	325619	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1164394	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.013	164.0	771593	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1447249	40.0000	ng/ml		0.000
M Chrysene-d12	14.677	240.0	1230246	40.0000	ng/ml		0.000
M Perylene-d12	18.438	264.0	780850	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.143	82.0	479993	73.9459	ng/ml		-0.013
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 1478.92%		*	
S 2-Fluorobiphenyl	7.264	172.0	1526329	71.3499	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 1427.00%		*	
S o-Terphenyl	10.299	230.0	15556	0.6987	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 13.97%		*	
S Terphenyl-d14	12.251	244.0	2411828	60.8910	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 1217.82%		*	
Target Compounds							**QValue**
T Naphthalene	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Acenaphthylene	0.000		0	N.D.			
T Acenaphthene	8.038	154.0	0		ng/ml	md	1
T Fluorene	8.673	166.0	0		ng/ml	md	1
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	14.739	228.0	0		ng/ml	md	1
T Benzo(b)fluoranthene	0.000		0	N.D.			

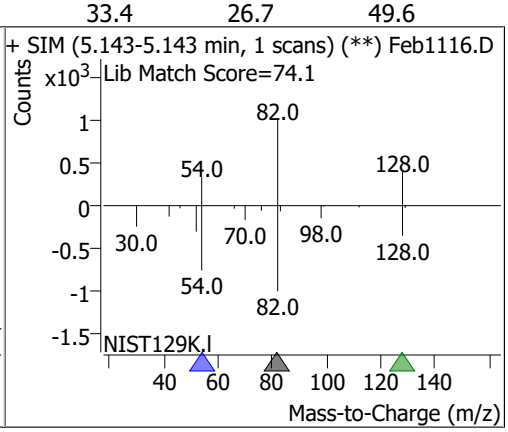
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	0.000		0	N.D.			
T Benzo(a)pyrene	18.326	252.0	0		ng/ml	md	1
T Indeno(1,2,3-cd)pyrene	0.000		0	N.D.			
T Dibenzo(a,h)anthracene	0.000		0	N.D.			
T Benzo(g,h,i)perylene	0.000		0	N.D.			

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

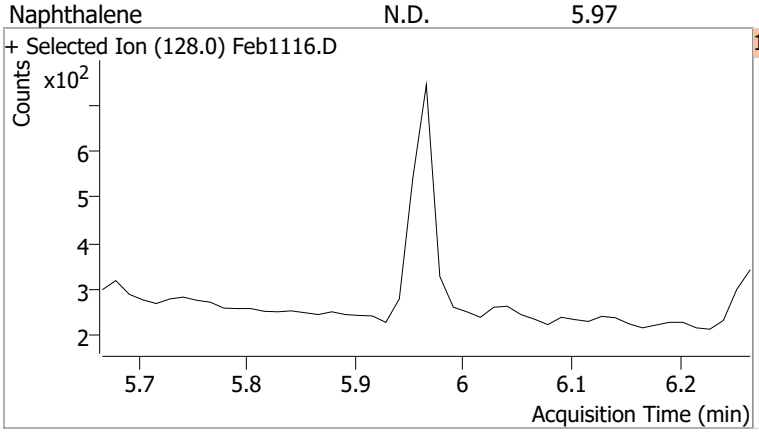
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	73.9459	5.14	-0.01	479993	128.0	42.8	31.2	57.9
					54.0	33.4	26.7	49.6

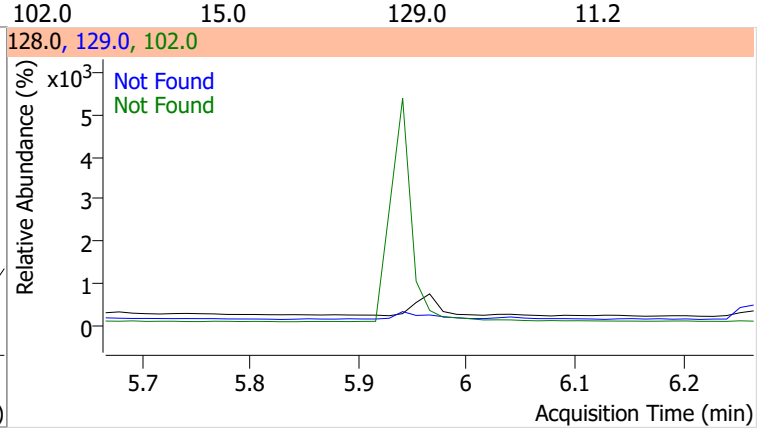




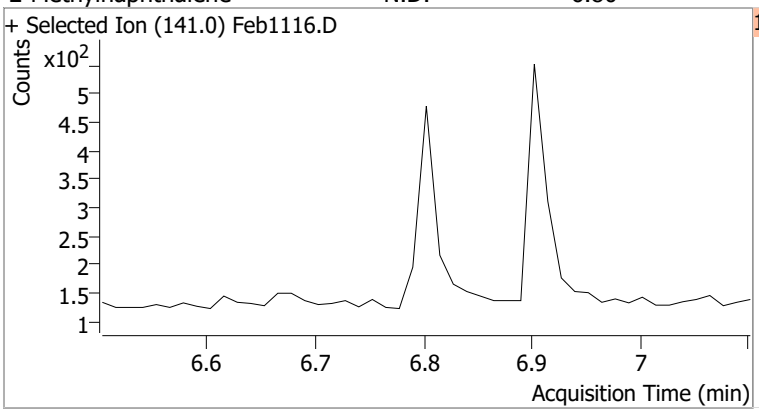


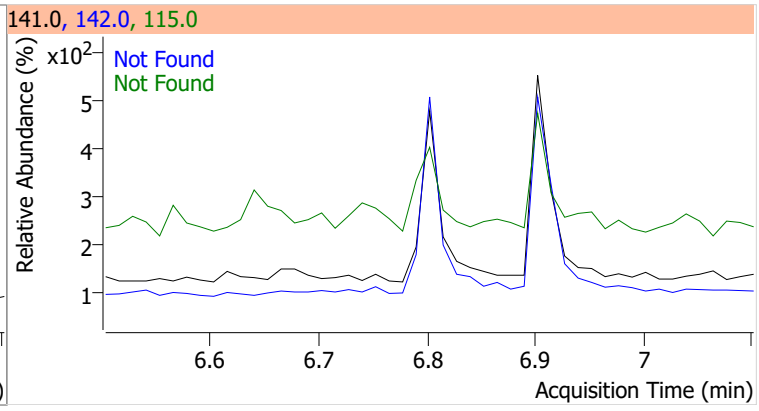
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	5.97	102.0	15.0	129.0	11.2



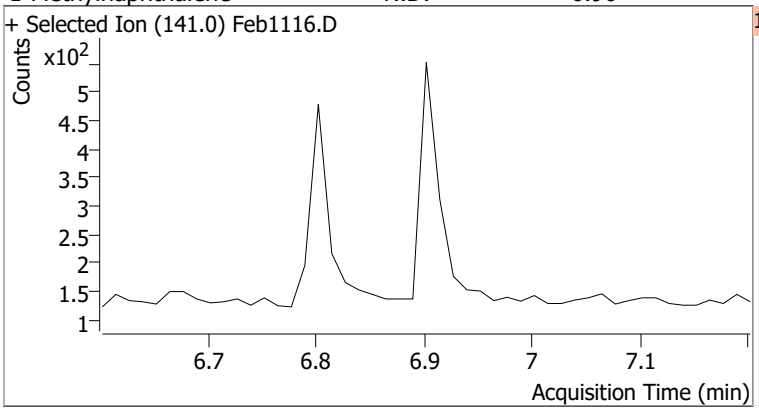


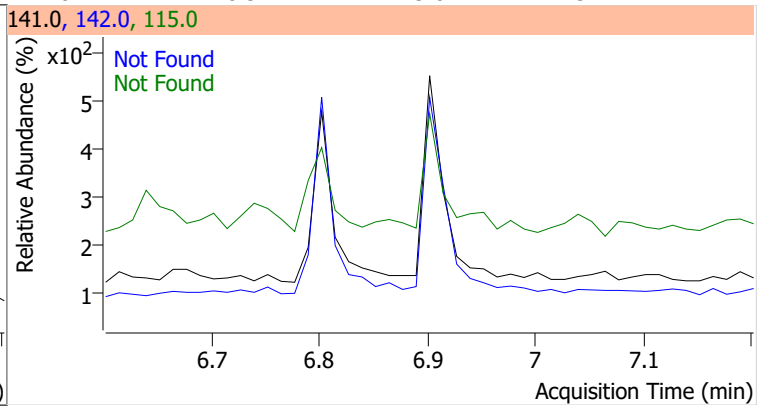
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	6.80	142.0	135.7	115.0	47.1



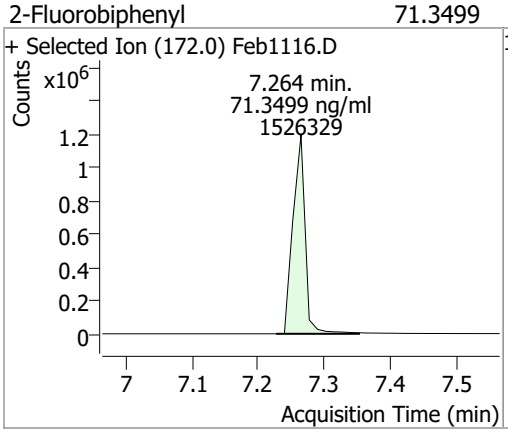


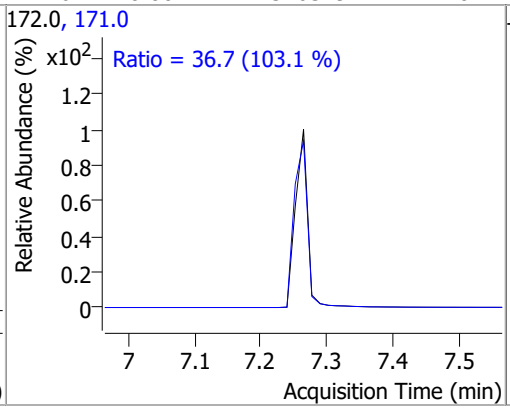
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	6.90	142.0	110.9	115.0	52.2

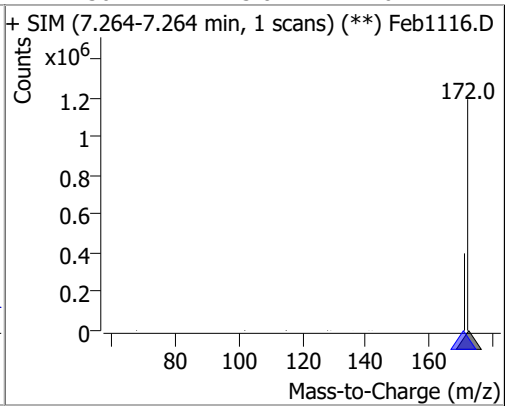




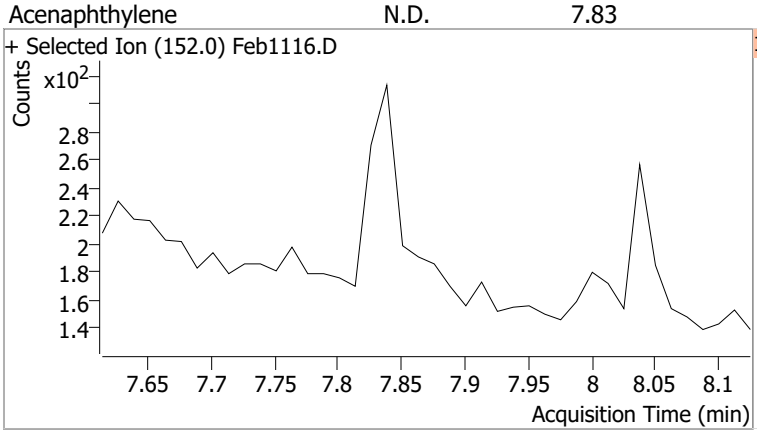
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	71.3499	7.26	0.00	1526329	171.0	36.7	25.0	46.4

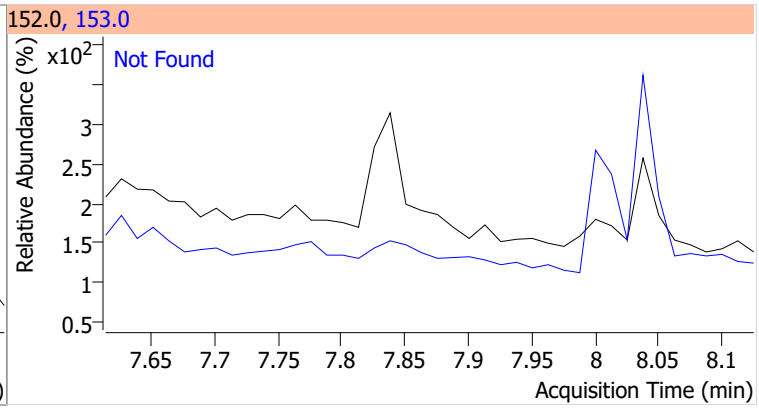




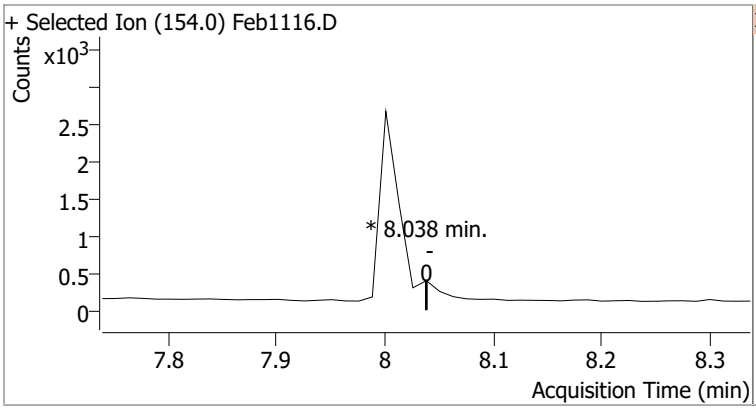


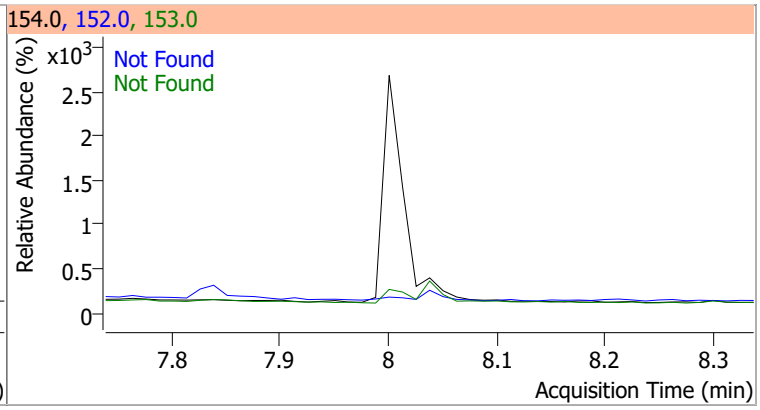
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	7.83	153.0	17.6



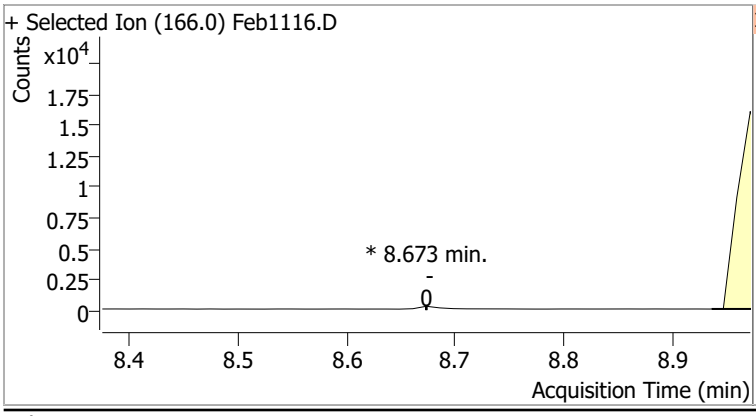


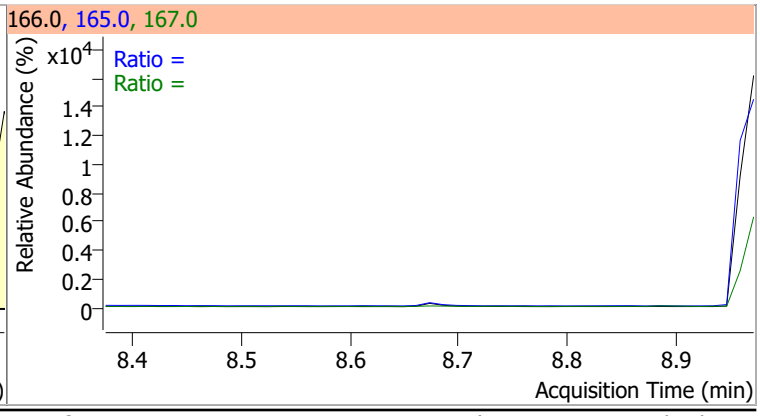
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene		0		0	153.0		76.2	141.5
					152.0		37.0	68.7



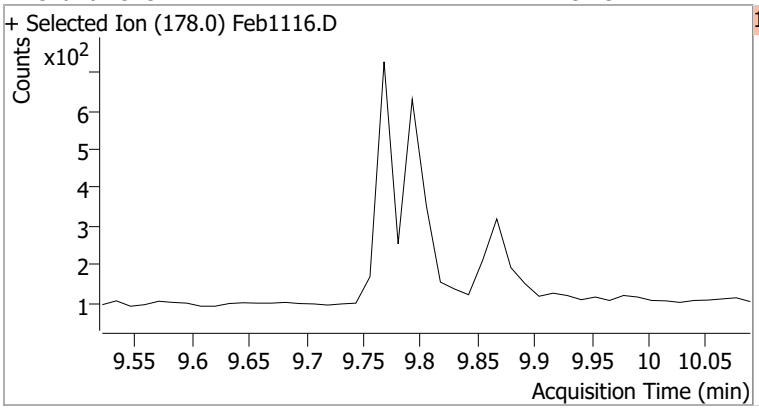


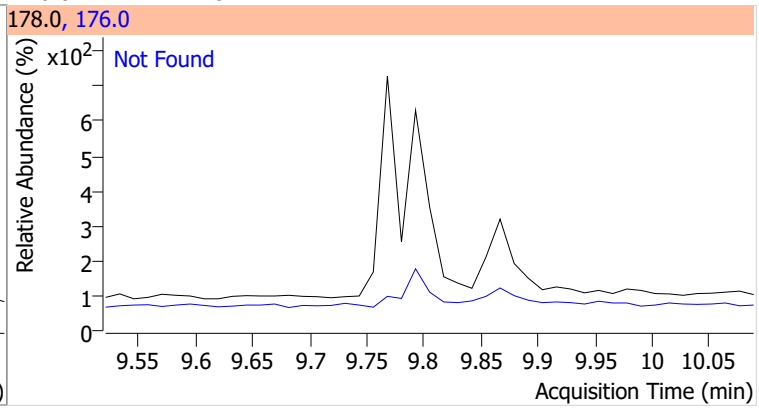
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene		0		0	165.0		56.5	104.9
					167.0		8.4	15.6



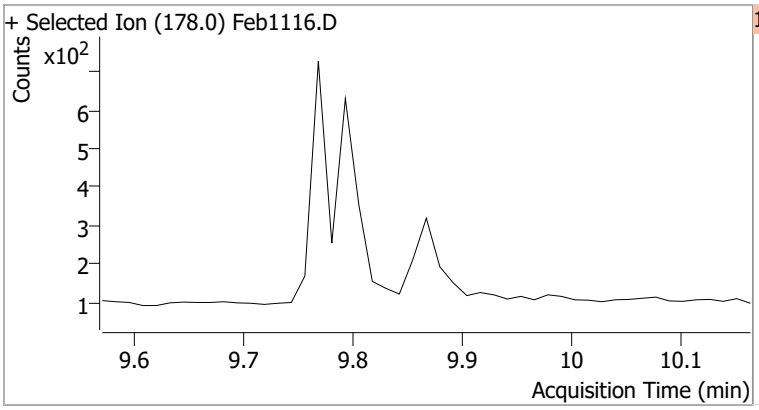


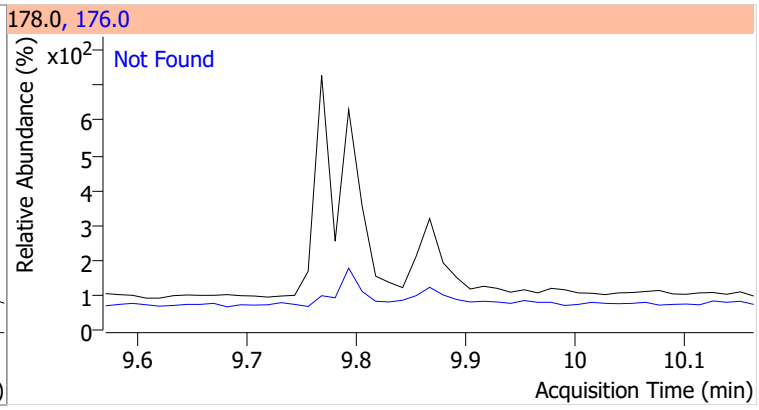
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	9.79	176.0	18.4



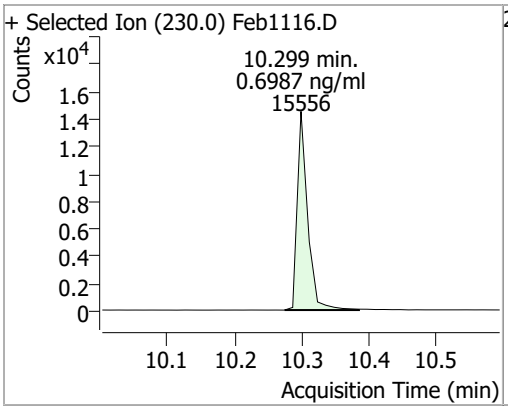


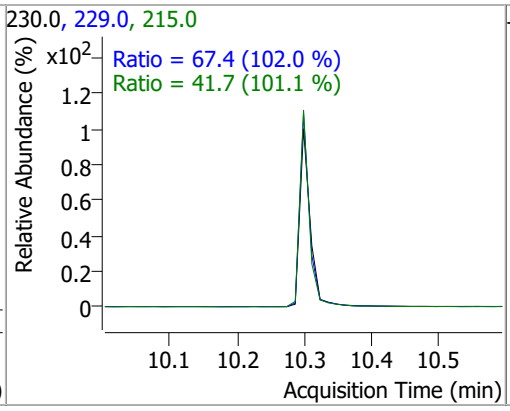
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	9.87	176.0	18.1

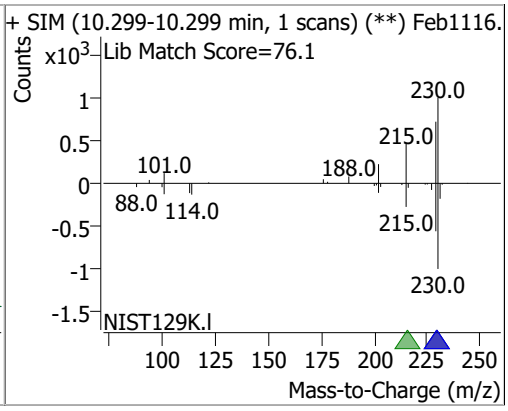




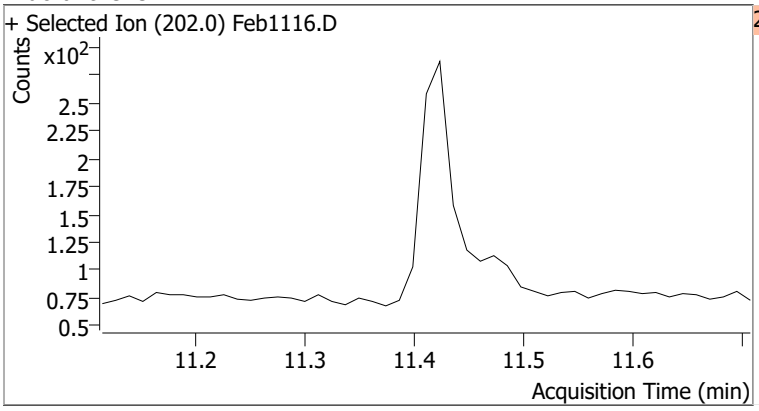
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	0.6987	10.30	0.00	15556	229.0	67.4	46.3	85.9
					215.0	41.7	28.9	53.6

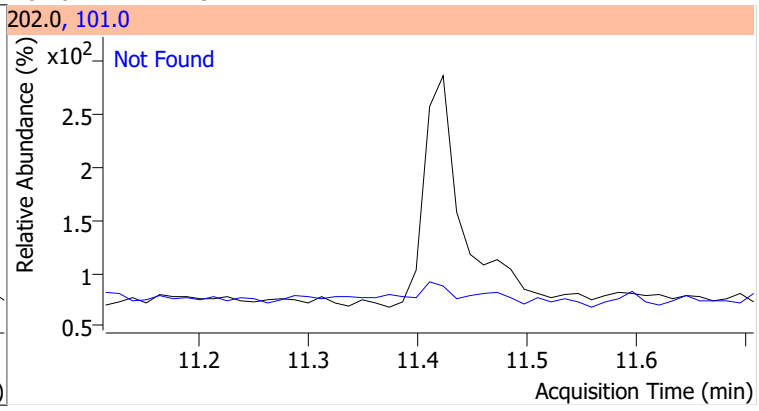




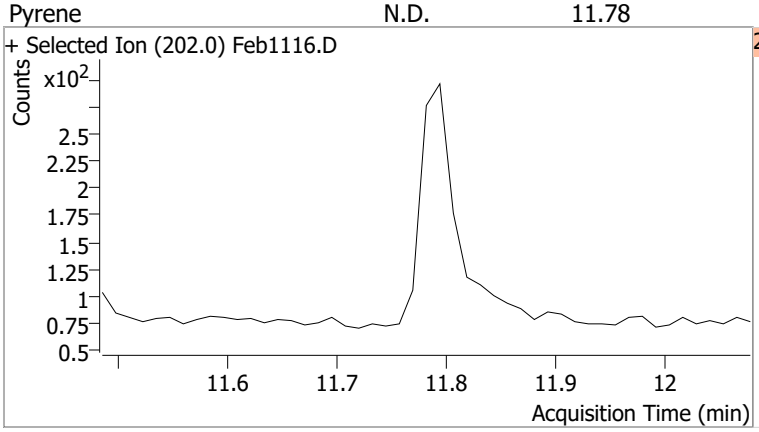


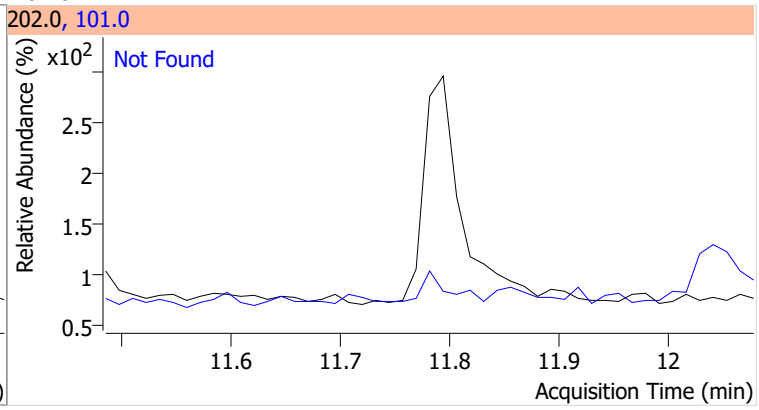
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.41	101.0	9.4



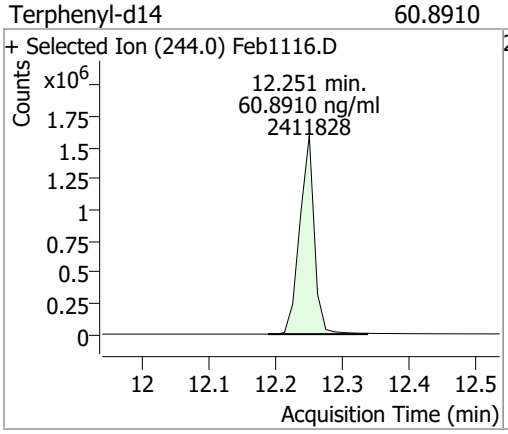


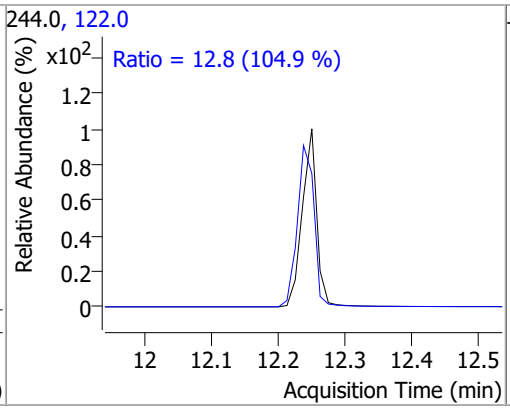
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	11.78	101.0	11.7

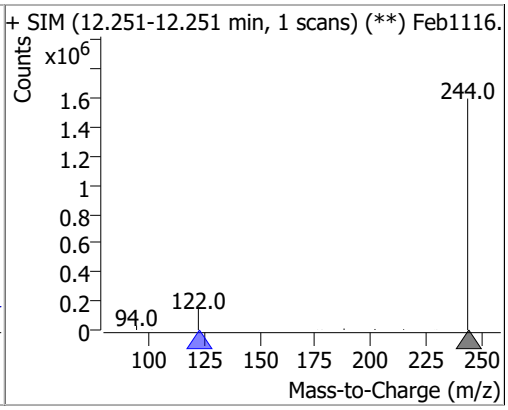




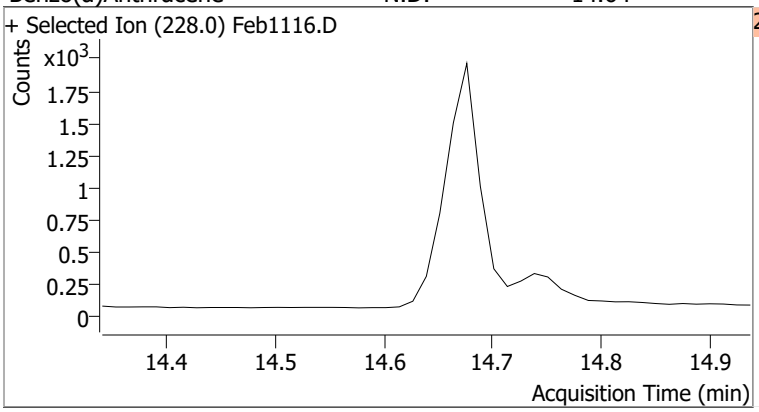
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	60.8910	12.25	0.01	2411828	122.0	12.8	8.6	15.9

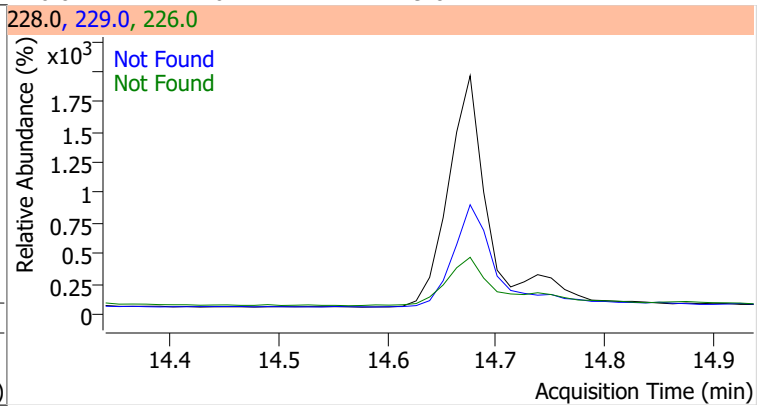




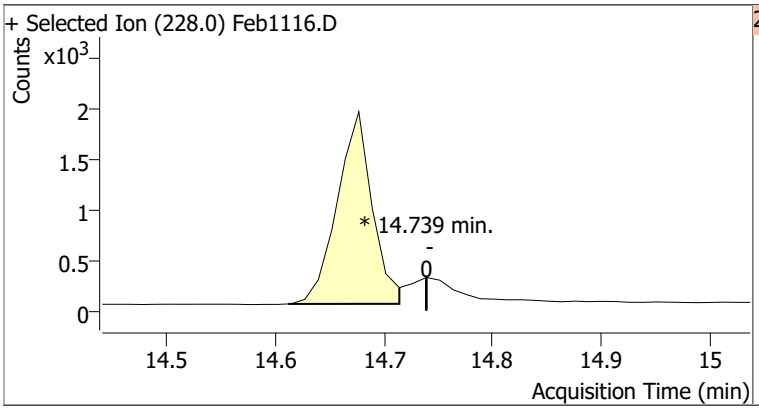


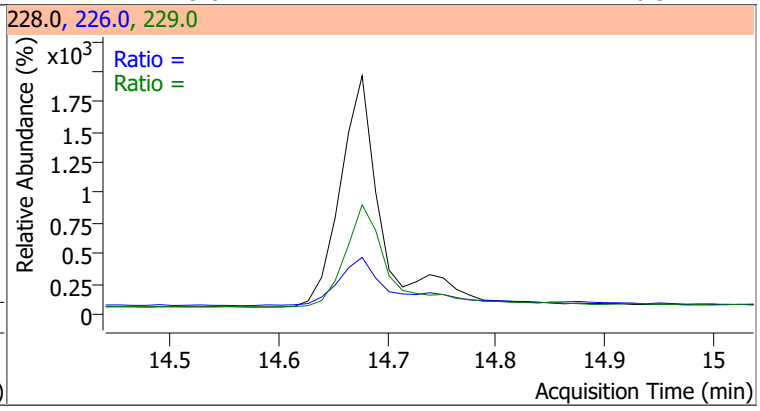
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	14.64	226.0	26.7	229.0	24.7



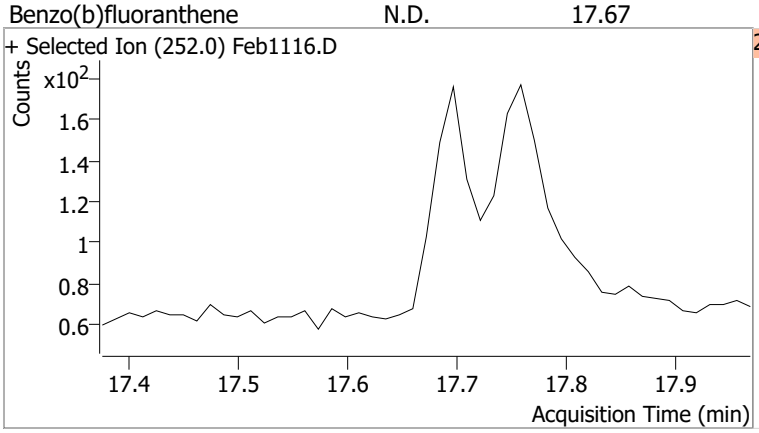


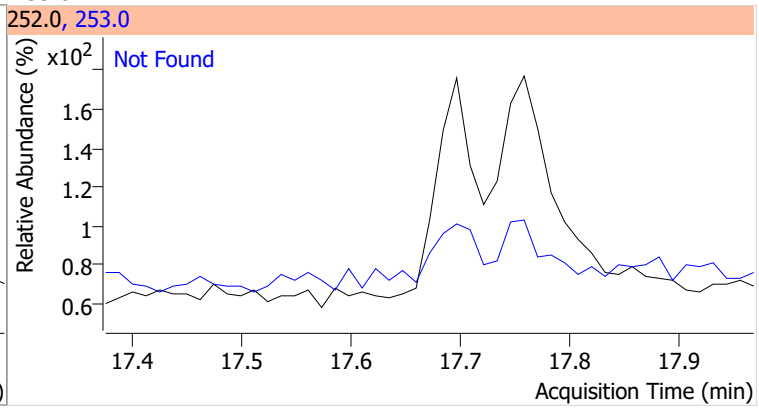
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene		0		0	226.0		21.4	39.7
					229.0		14.2	26.3



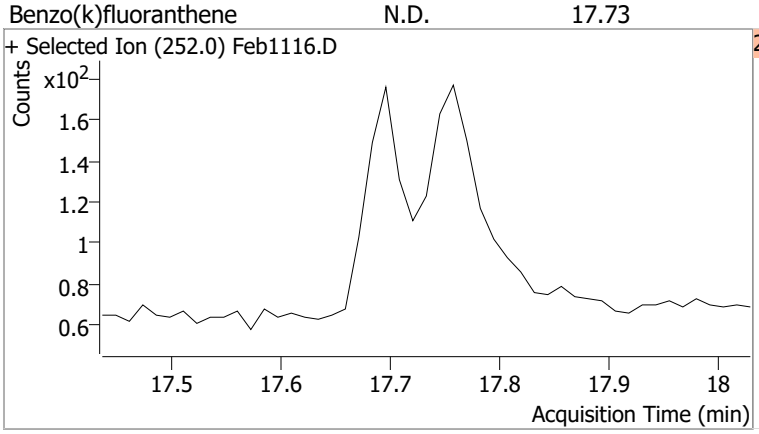


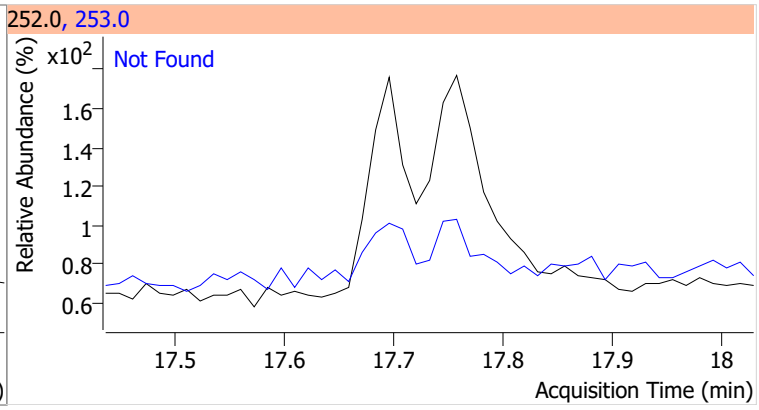
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	17.67	253.0	22.2



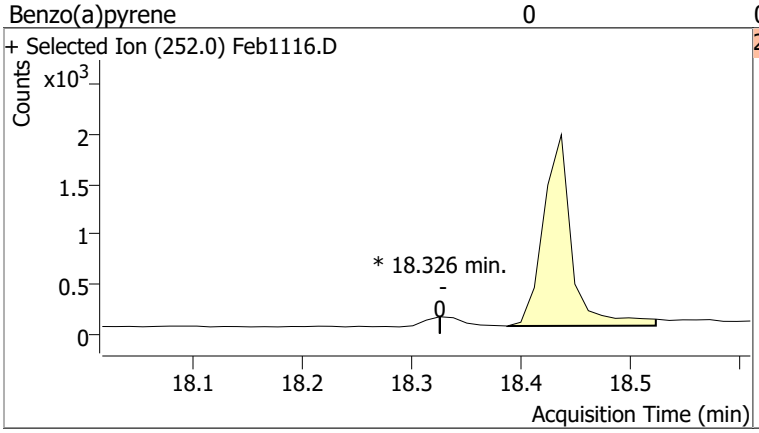


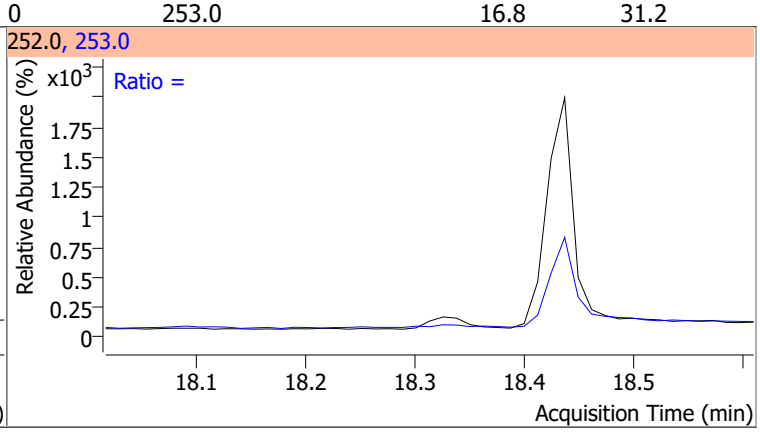
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	17.73	253.0	23.6



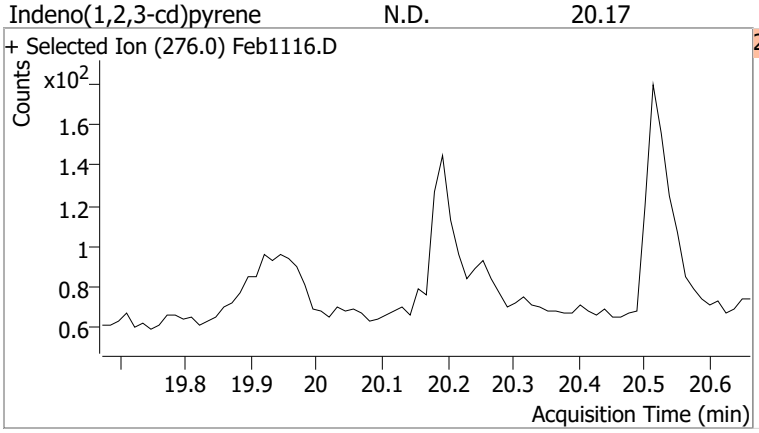


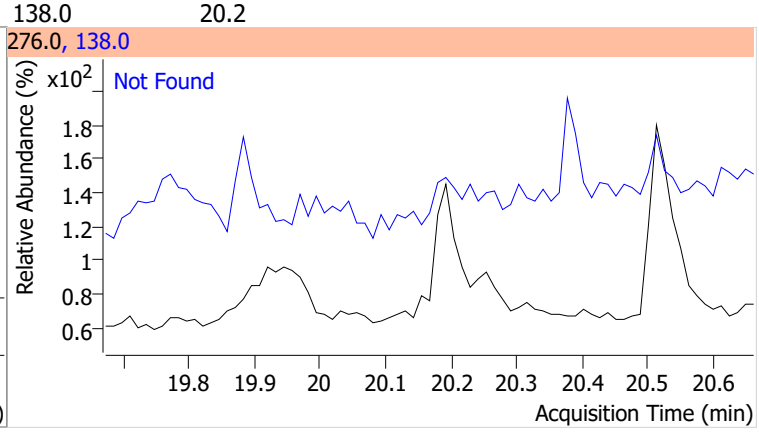
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene		0		0	253.0		16.8	31.2



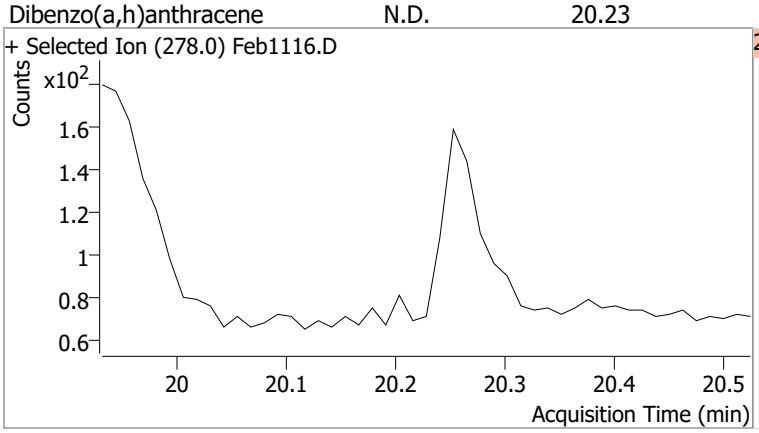


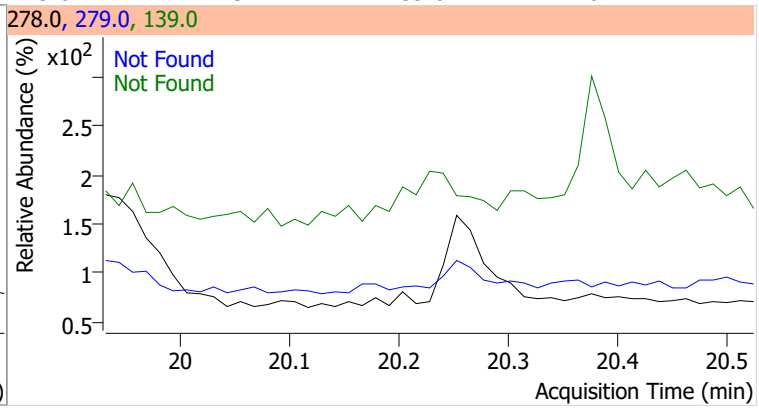
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-cd)pyrene	N.D.	20.17	138.0	20.2



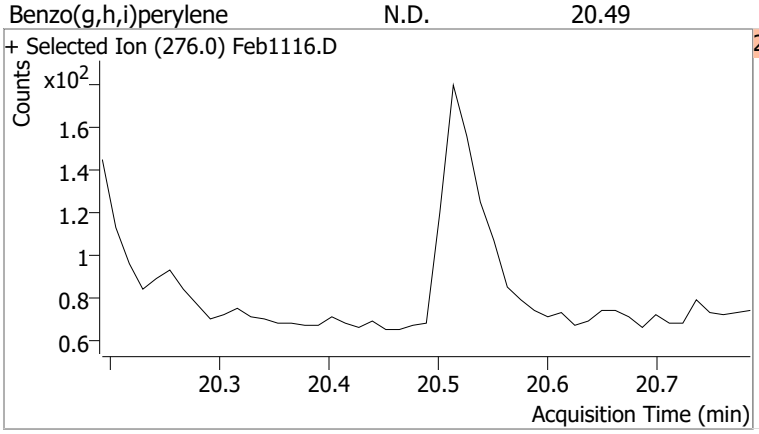


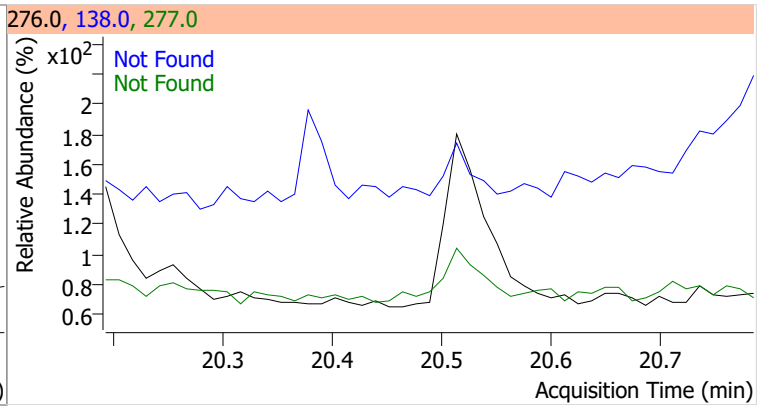
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.23	279.0	24.9	139.0	16.2





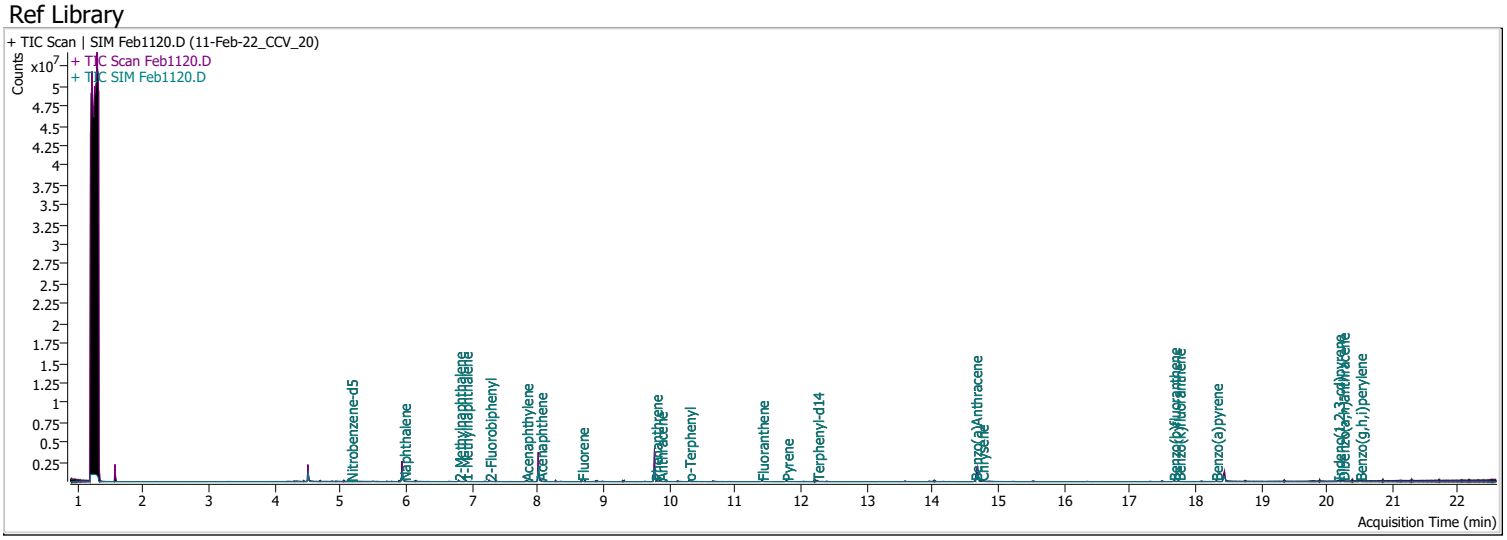
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	20.49	277.0	24.5	138.0	21.6





Quantitation Results Report (QT Reviewed)

Data File	Feb1120.D	Operator	LIMS import
Acq. Method	5975BNASIM	Acq. Date-Time	2/14/2022 11:04:17 AM
Sample Name	11-Feb-22_CCV_20	Instrument	GCMS
Vial	19	Multiplier	1.00
DA Method File	020722 bna SIM 1.batch.bin	Comment	SVOC-8270C-SIM-W-LLPAH
Tune File	dftppjph.u	Tune Date	
Batch Name	021122 bna SIM 1.batch.bin	Last Calib Update	2/14/2022 11:10:52 AM
Ref Library			

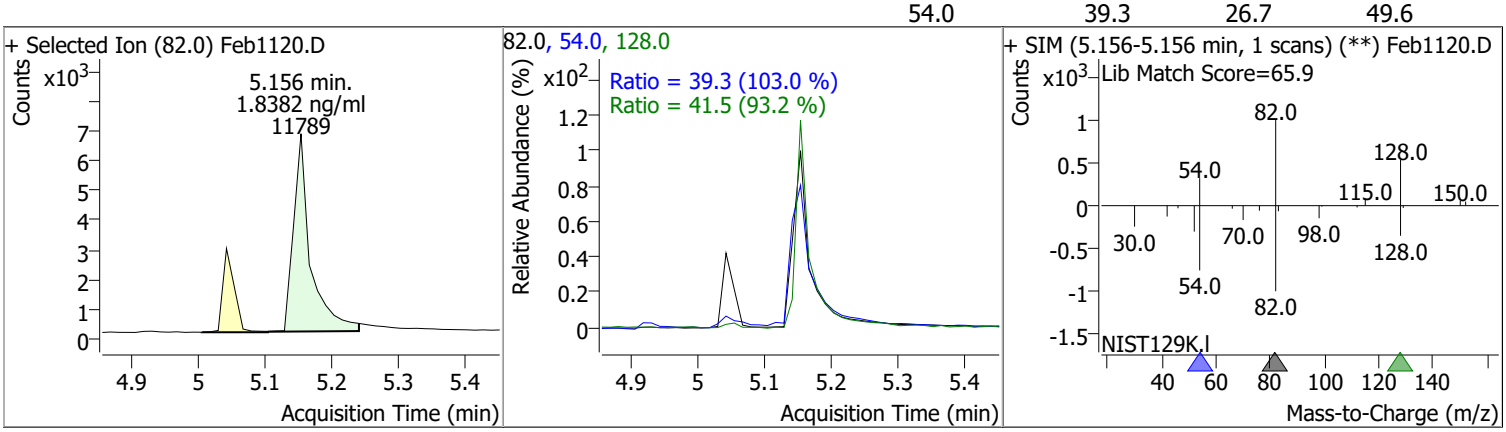


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1,4-Dichlorobenzene-d4	4.509	152.0	321705	40.0000	ng/ml		0.000
M Naphthalene-d8	5.941	136.0	1218576	40.0000	ng/ml		0.000
M Acenaphthene-d10	8.013	164.0	829875	40.0000	ng/ml		0.000
M Phenanthrene-d10	9.768	188.0	1506691	40.0000	ng/ml		0.000
M Chrysene-d12	14.689	240.0	1255478	40.0000	ng/ml		0.012
M Perylene-d12	18.438	264.0	818614	40.0000	ng/ml		0.012
System Monitoring Compounds							
S Nitrobenzene-d5	5.156	82.0	11789	1.8382	ng/ml		0.000
Spiked Amount: 5.000	Range: 19.0 - 102.0%			Recovery = 36.76%			
S 2-Fluorobiphenyl	7.265	172.0	56094	2.1467	ng/ml		0.000
Spiked Amount: 5.000	Range: 25.0 - 94.0%			Recovery = 42.93%			
S o-Terphenyl	10.299	230.0	46543	2.0905	ng/ml		0.000
Spiked Amount: 5.000	Range: 40.0 - 140.0%			Recovery = 41.81%			
S Terphenyl-d14	12.251	244.0	53733	2.0305	ng/ml		0.012
Spiked Amount: 5.000	Range: 39.0 - 106.0%			Recovery = 40.61%			
Target Compounds							**QValue**
T Naphthalene	5.966	128.0	59244	1.7984	ng/ml		87
T 2-Methylnaphthalene	6.802	141.0	37468	1.8830	ng/ml		98
T 1-Methylnaphthalene	6.902	141.0	40129	1.8860	ng/ml	m	95
T Acenaphthylene	7.826	152.0	59824	1.8805	ng/ml		96
T Acenaphthene	8.038	154.0	43075	1.8559	ng/ml		95
T Fluorene	8.673	166.0	56156	2.0632	ng/ml		85
T Phenanthrene	9.793	178.0	78344	1.9911	ng/ml		100
T Anthracene	9.867	178.0	63484	2.0349	ng/ml		99
T Fluoranthene	11.411	202.0	76953	2.0820	ng/ml		100
T Pyrene	11.781	202.0	88953	2.1105	ng/ml		98
T Benzo(a)Anthracene	14.652	228.0	63037	2.1135	ng/ml		97
T Chrysene	14.751	228.0	78526	1.9227	ng/ml		99
T Benzo(b)fluoranthene	17.671	252.0	53449	1.9039	ng/ml		99

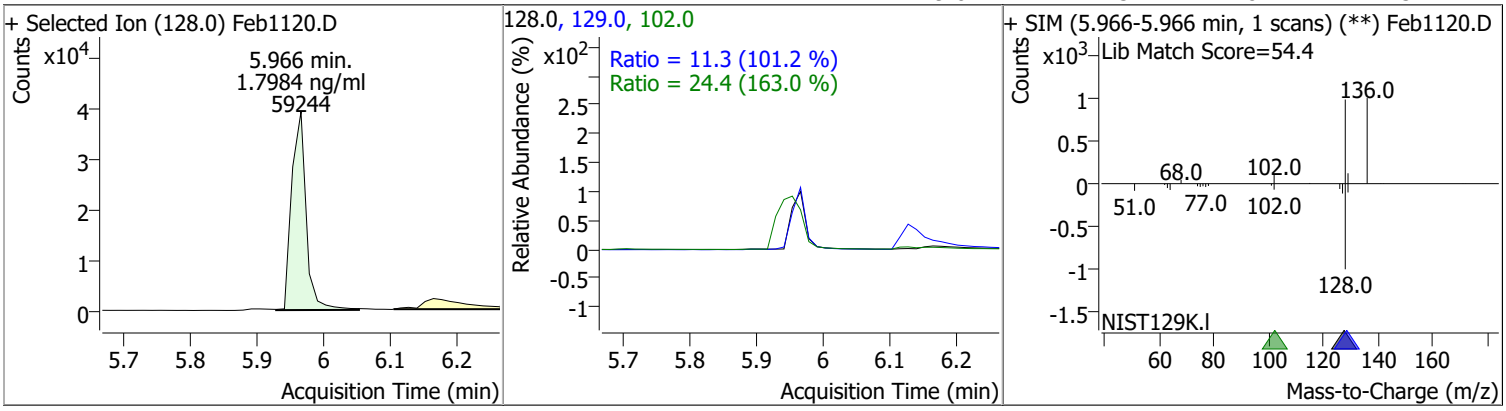
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(k)fluoranthene	17.746	252.0	59345	1.8262	ng/ml		97
T Benzo(a)pyrene	18.314	252.0	45919	1.8635	ng/ml		99
T Indeno(1,2,3-cd)pyrene	20.167	276.0	42845	1.9558	ng/ml		100
T Dibenzo(a,h)anthracene	20.242	278.0	49403	1.9793	ng/ml		99
T Benzo(g,h,i)perylene	20.501	276.0	58321	1.9353	ng/ml	m	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

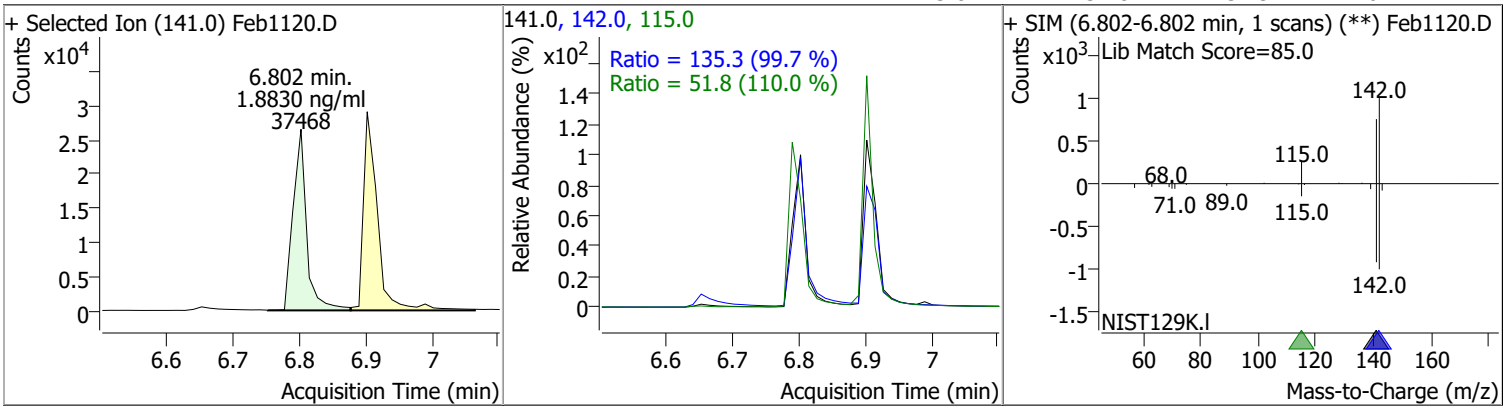
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	1.8382	5.16	0.00	11789	128.0	41.5	31.2	57.9
					54.0	39.3	26.7	49.6



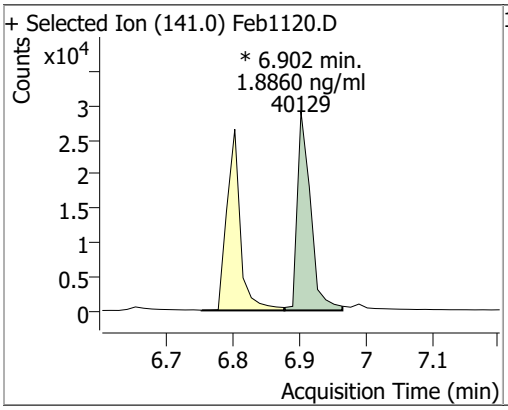
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	1.7984	5.97	0.00	59244	102.0	24.4	0.0	45.0
					129.0	11.3	7.8	14.5

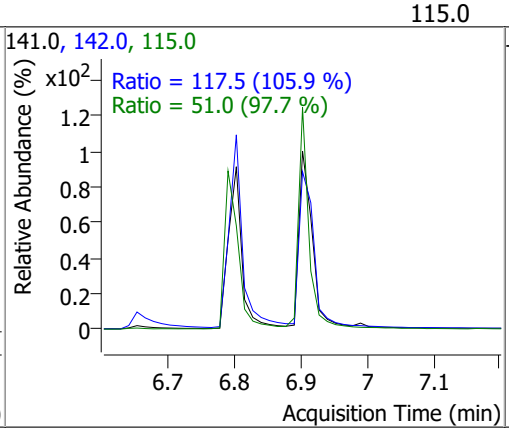


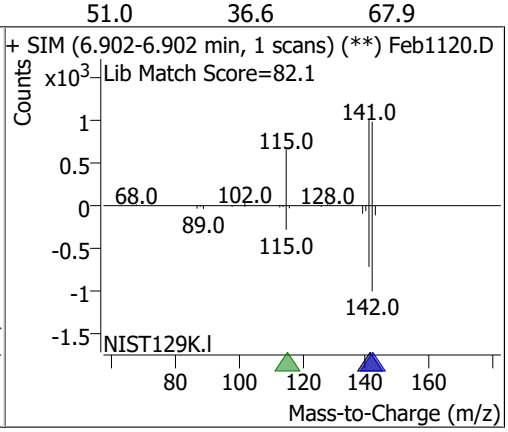
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	1.8830	6.80	0.00	37468	142.0	135.3	95.0	176.4
					115.0	51.8	32.9	61.2



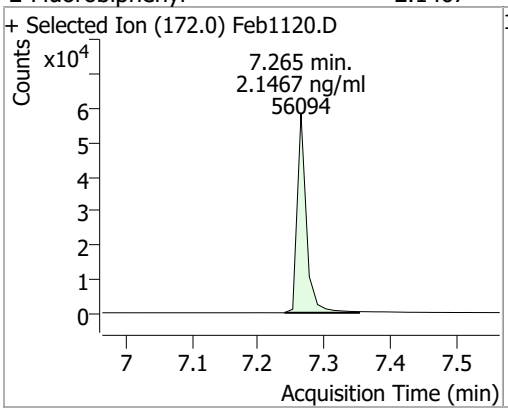
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	1.8860	6.90	0.00	40129 (m)	142.0	117.5	77.7	144.2
					115.0	51.0	36.6	67.9

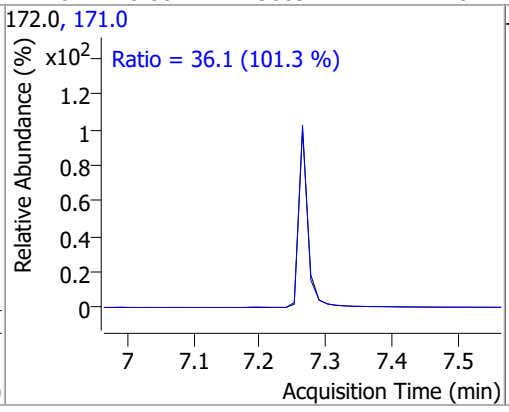


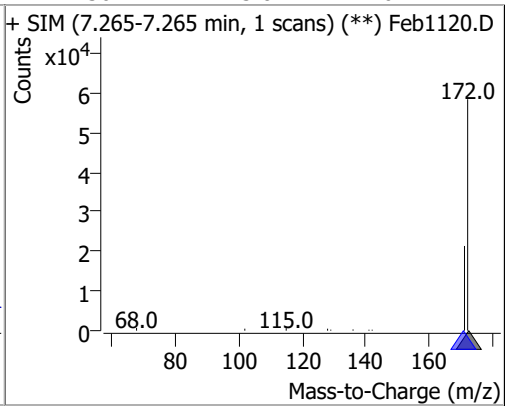




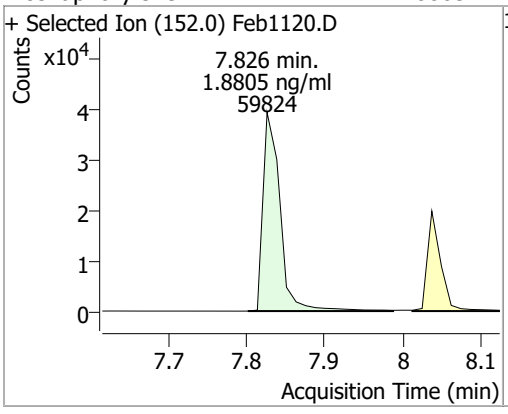
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	2.1467	7.26	0.00	56094	171.0	36.1	25.0	46.4

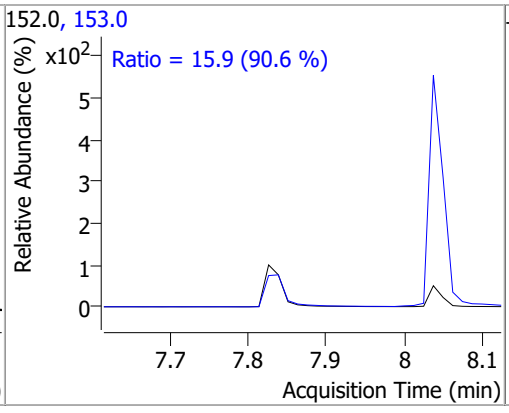


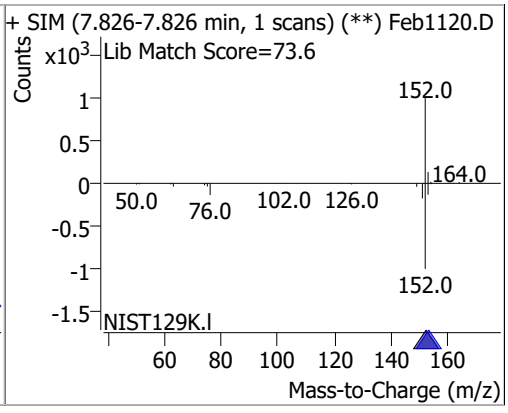




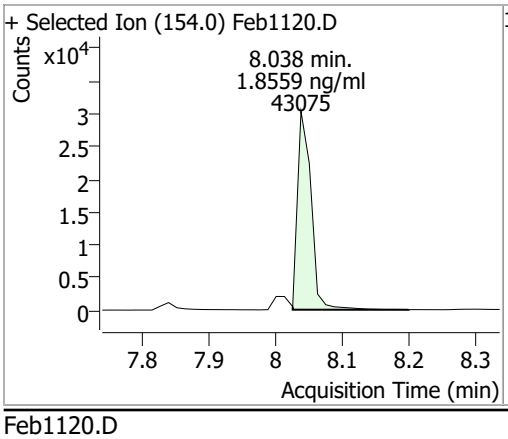
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	1.8805	7.83	0.00	59824	153.0	15.9	12.3	22.9

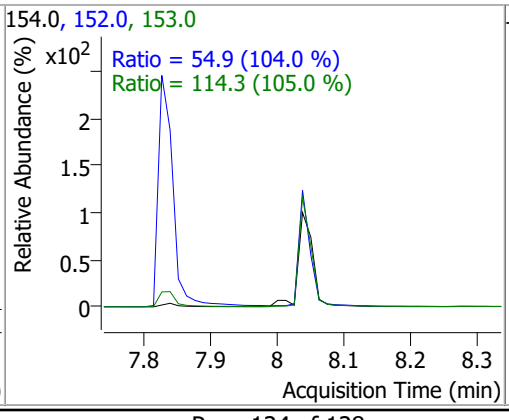


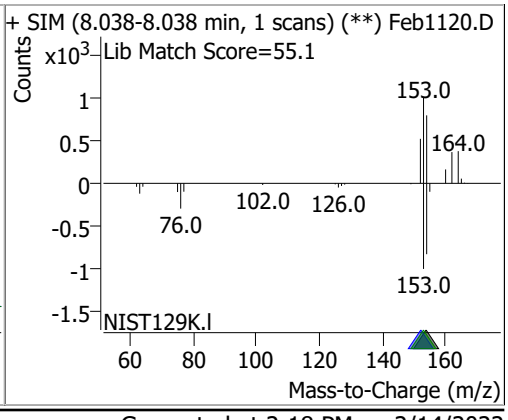




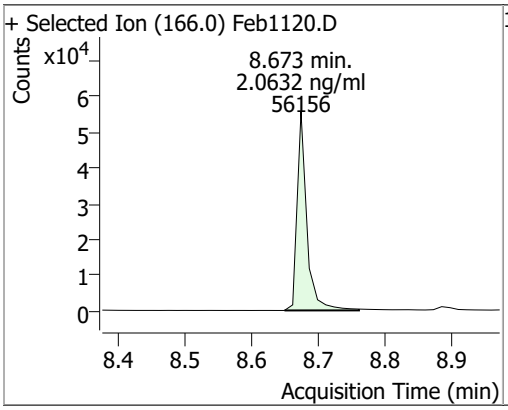
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	1.8559	8.04	0.00	43075	153.0	114.3	76.2	141.5
					152.0	54.9	37.0	68.7

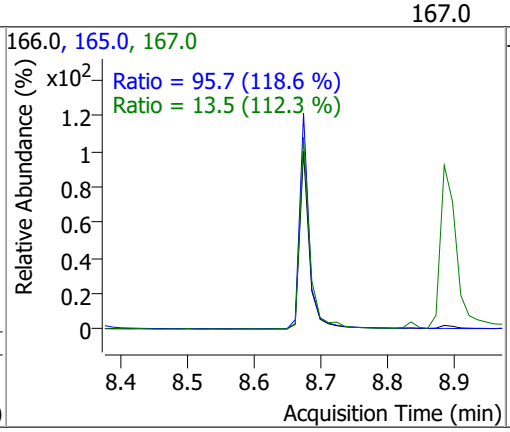


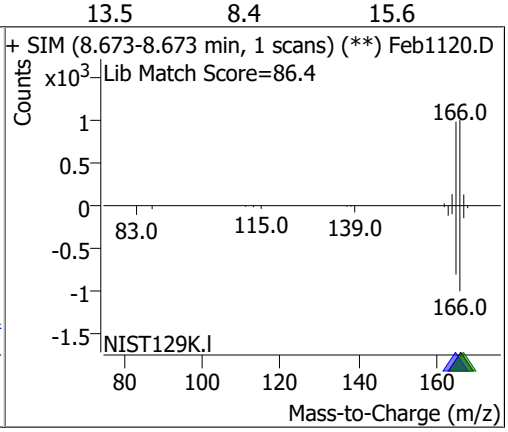




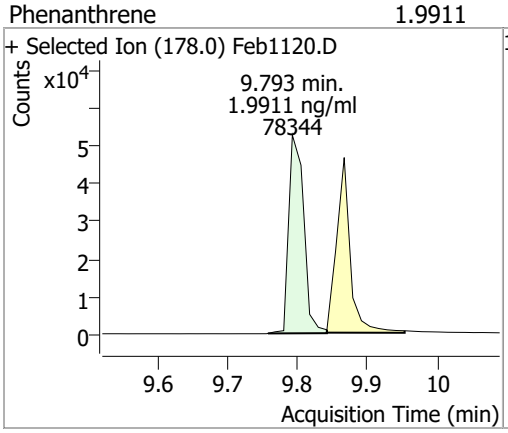
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	2.0632	8.67	0.00	56156	165.0	95.7	56.5	104.9
					167.0	13.5	8.4	15.6

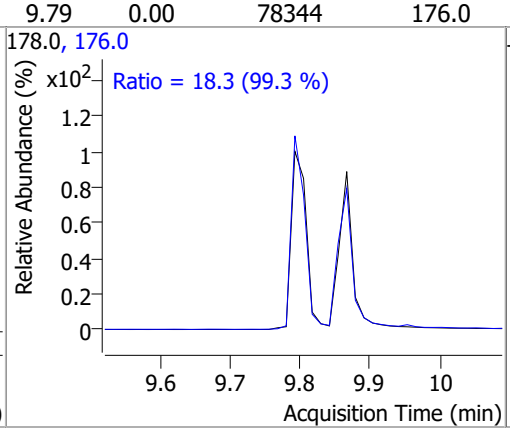


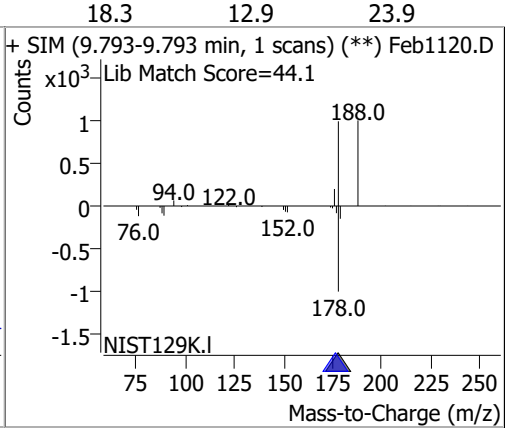




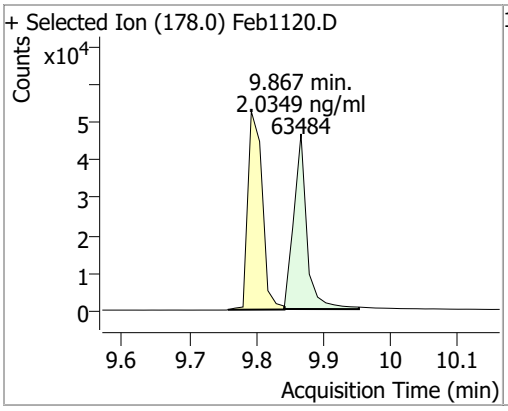
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	1.9911	9.79	0.00	78344	176.0	18.3	12.9	23.9

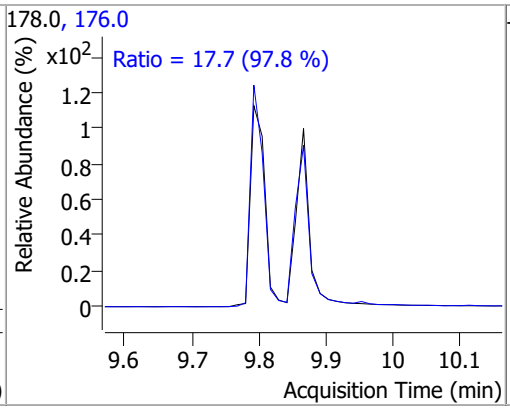


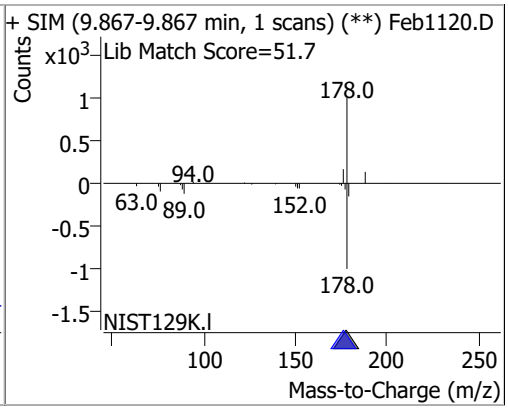




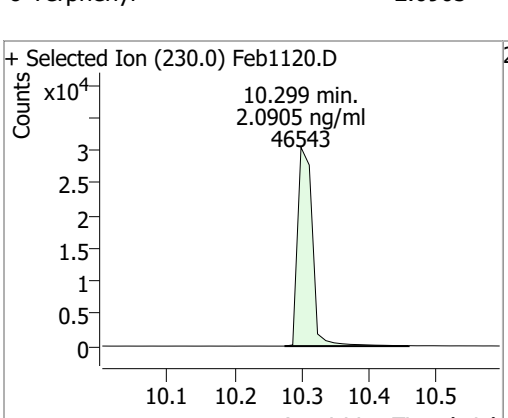
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	2.0349	9.87	0.00	63484	176.0	17.7	12.7	23.6

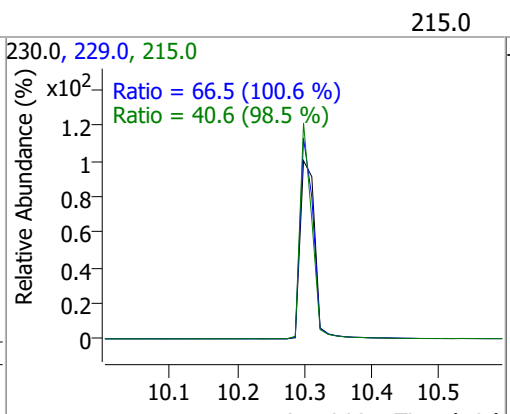


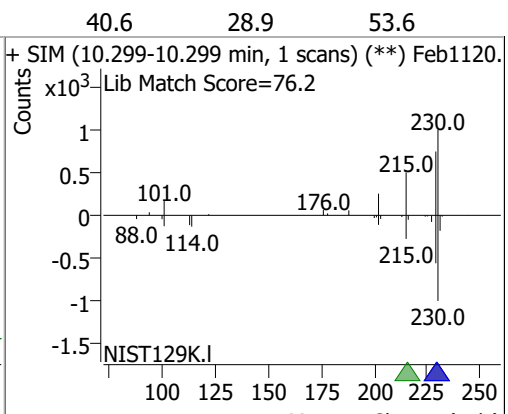




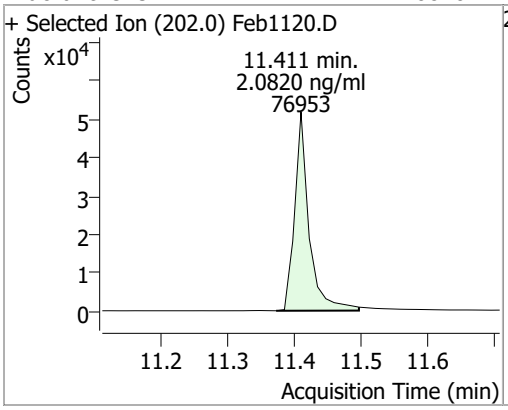
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	2.0905	10.30	0.00	46543	229.0	66.5	46.3	85.9
					215.0	40.6	28.9	53.6

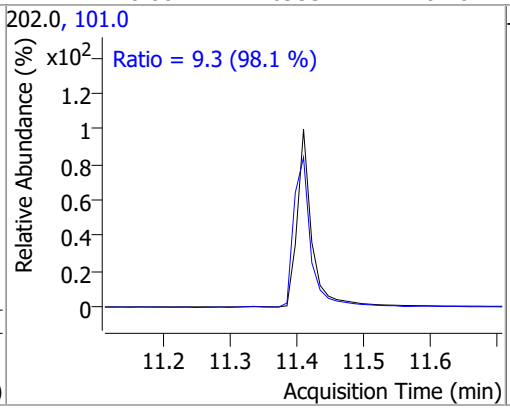


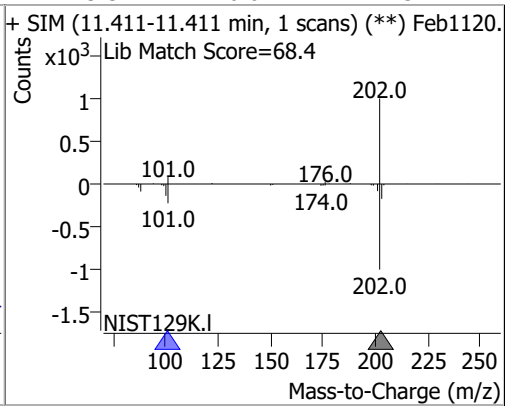




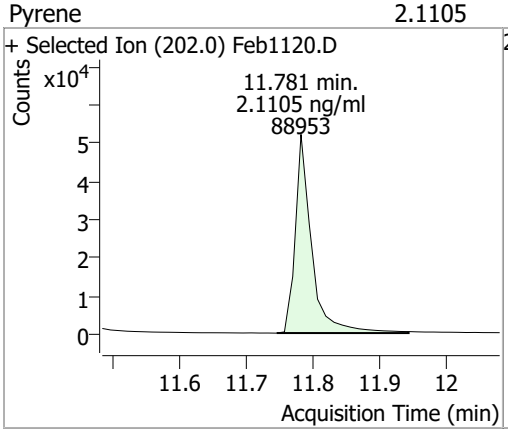
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	2.0820	11.41	0.00	76953	101.0	9.3	6.6	12.3

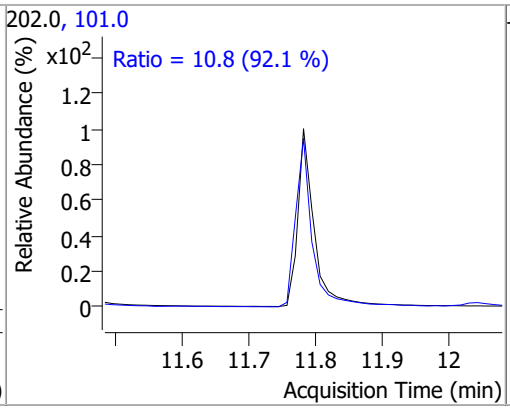


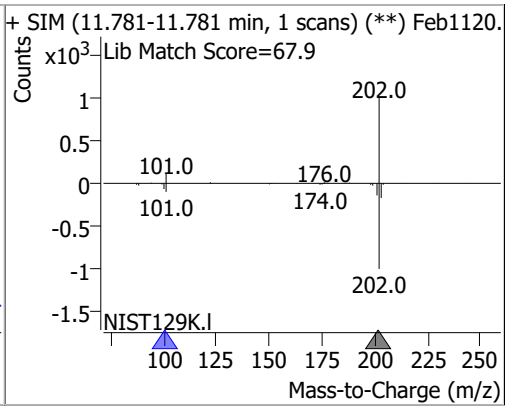




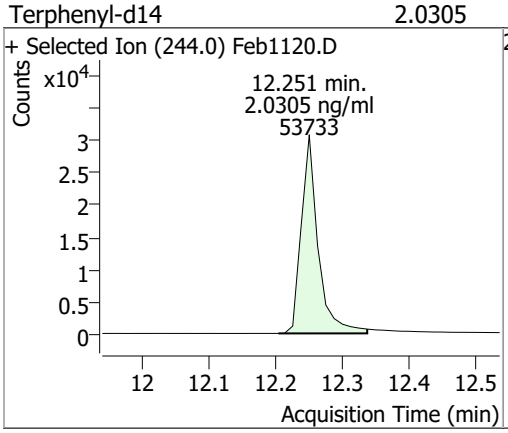
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	2.1105	11.78	0.00	88953	101.0	10.8	8.2	15.2

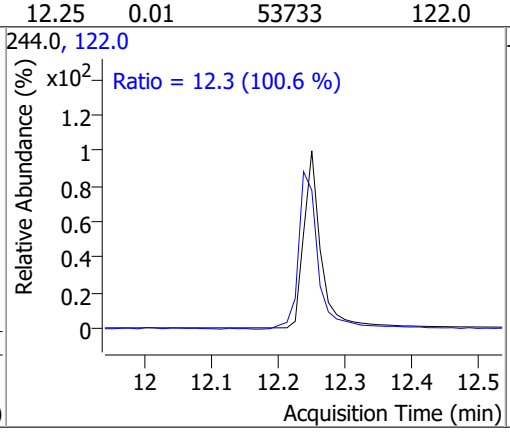


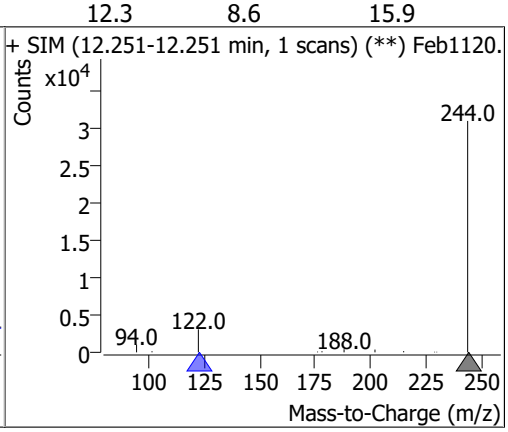




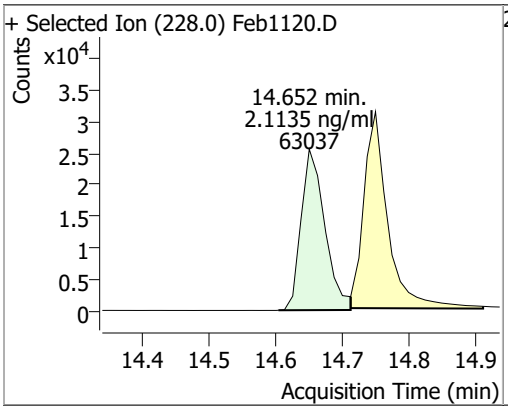
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	2.0305	12.25	0.01	53733	122.0	12.3	8.6	15.9

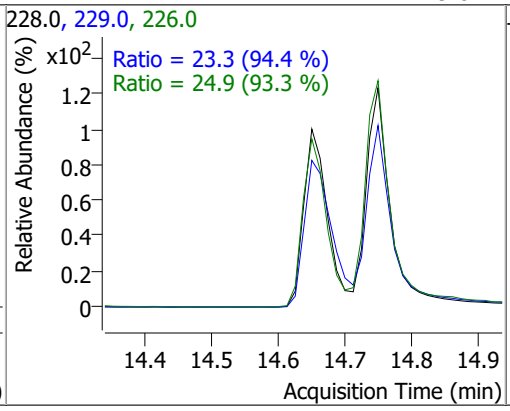


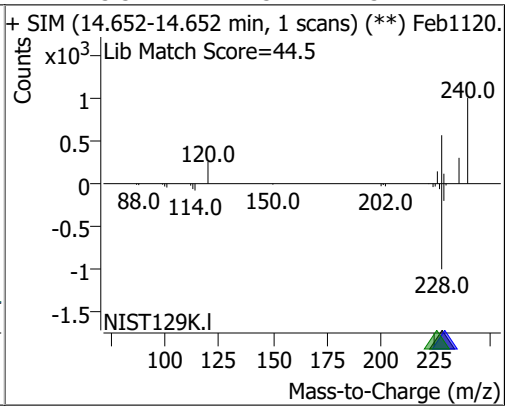




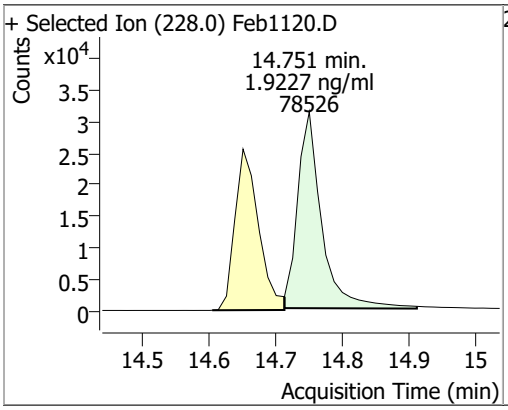
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	2.1135	14.65	0.01	63037	226.0	24.9	18.7	34.8
					229.0	23.3	17.3	32.1

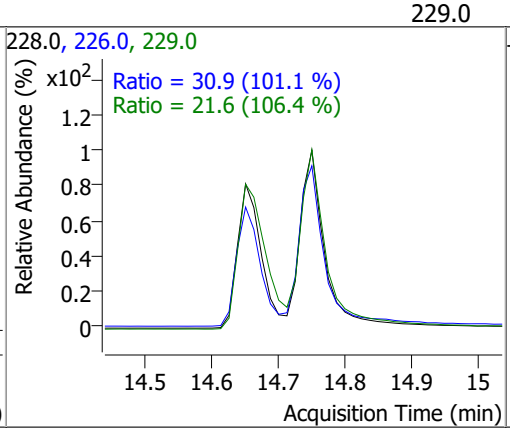


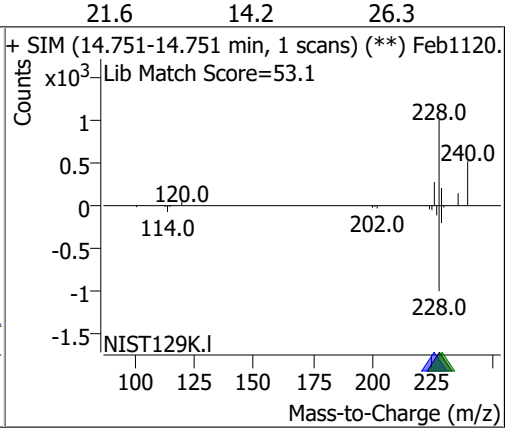




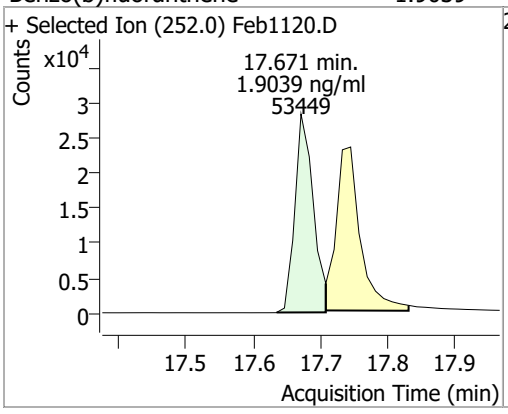
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	1.9227	14.75	0.01	78526	226.0	30.9	21.4	39.7
					229.0	21.6	14.2	26.3

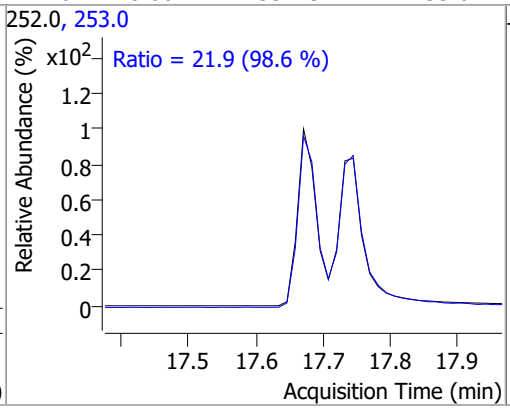


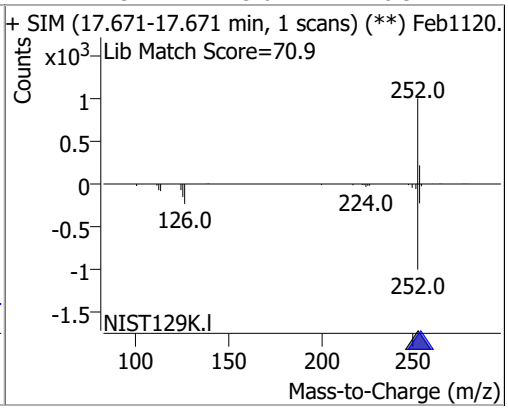




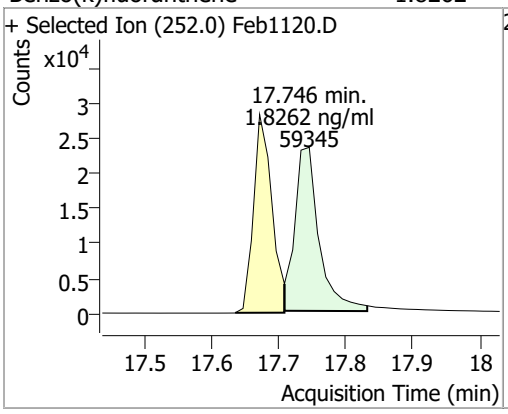
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	1.9039	17.67	0.00	53449	253.0	21.9	15.6	28.9

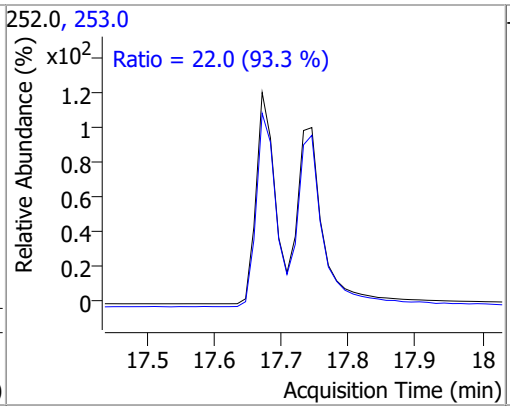


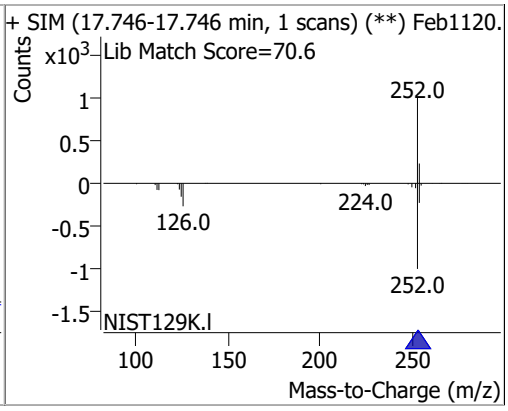




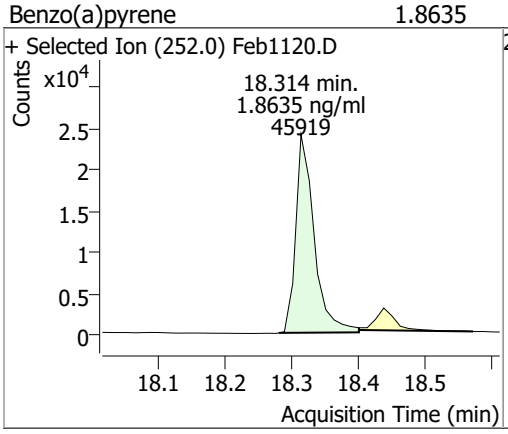
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	1.8262	17.75	0.01	59345	253.0	22.0	16.5	30.6

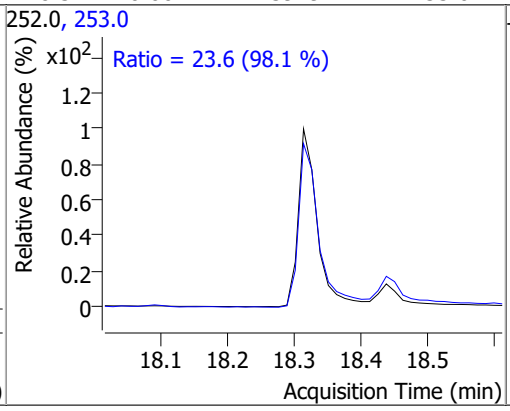


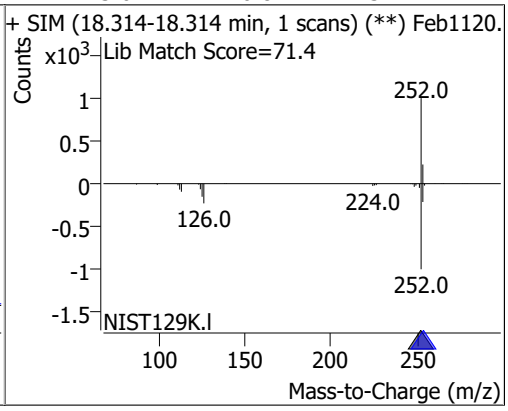




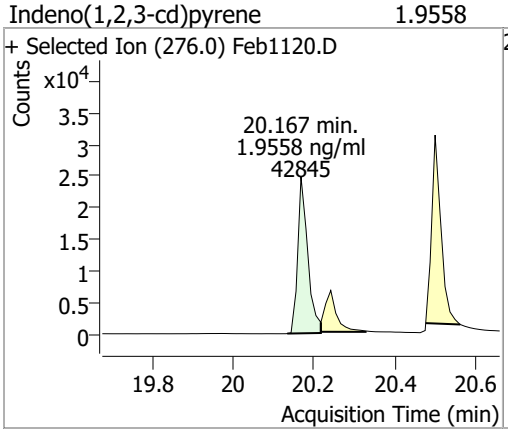
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	1.8635	18.31	0.00	45919	253.0	23.6	16.8	31.2

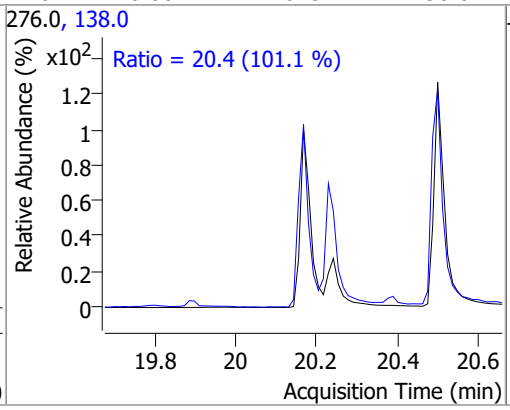


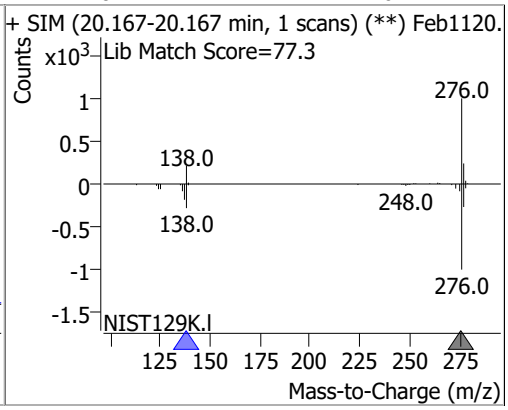




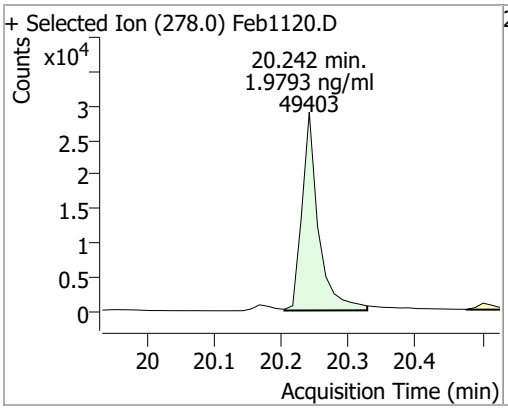
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-cd)pyrene	1.9558	20.17	0.00	42845	138.0	20.4	14.1	26.2

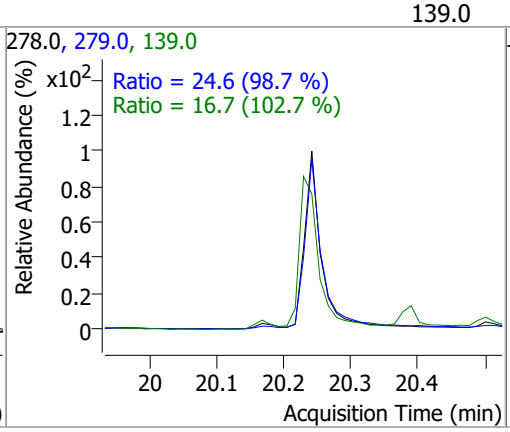


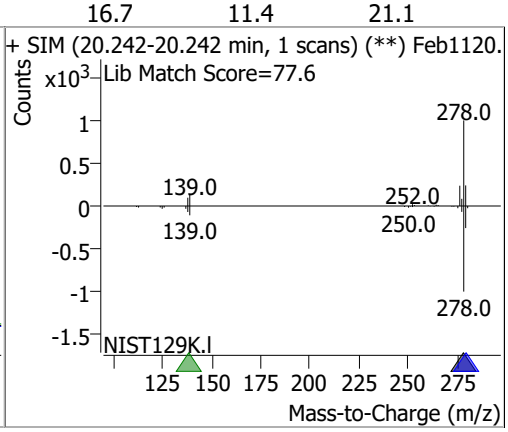




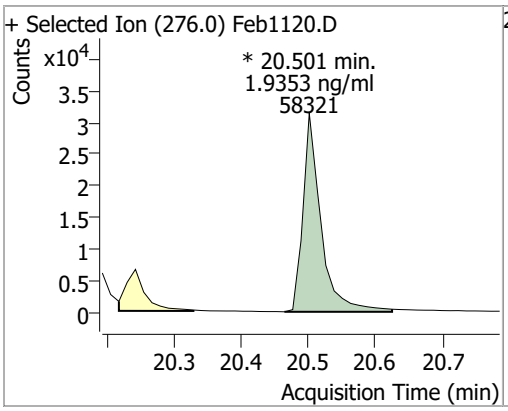
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	1.9793	20.24	0.01	49403	279.0	24.6	17.4	32.4
					139.0	16.7	11.4	21.1

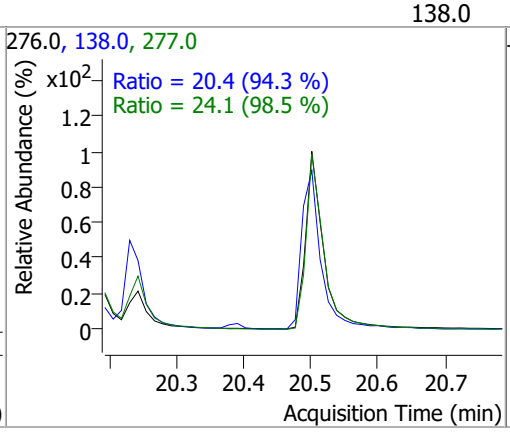


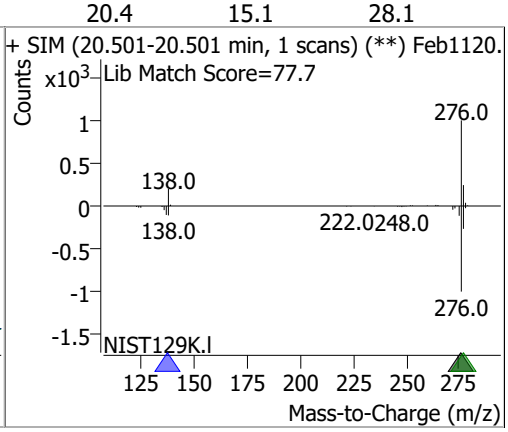




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	1.9353	20.50	0.01	58321 (m)	277.0	24.1	17.2	31.9
					138.0	20.4	15.1	28.1







Continuing Calibration Report

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Daily CC	\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIMFeb1102.D

Level name	Injection Time	Calibration Files	
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ISTD Compound:	Avg Resp	Mid Resp	CC Resp	Area%	A/M
1,4-Dichlorobenzene-d4	446749	461660	371030	80.37	M
Naphthalene-d8	1576067	1672073	1354621	81.01	M
Acenaphthene-d10	1086425	1119297	882464	78.84	M
Phenanthrene-d10	1954951	2036232	1686375	82.82	M
Chrysene-d12	1590788	1667940	1338238	80.23	M
Perylene-d12	951821	1019908	896121	87.86	M

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
1,4-Dichlorobenzene-d4	----------ISTD----------						
Nitrobenzene-d5	0.7974	0.7567	2.00	1.90	-5.10	89.75	Avg RF
Naphthalene-d8	----------ISTD----------						
Naphthalene	0.9998	1.0031	2.00	1.86	7.18	76.64	Quadratic
2-Methylnaphthalene	0.9996	0.5893	2.00	1.80	9.81	74.67	Quadratic
1-Methylnaphthalene	0.9985	0.6696	2.00	1.92	4.04	83.65	Quadratic
Acenaphthene-d10	----------ISTD----------						
2-Fluorobiphenyl	0.9995	1.3784	2.00	2.19	-9.48	86.36	Quadratic
Acenaphthylene	1.5334	1.5572	2.00	2.03	1.55	82.32	Avg RF
Acenaphthene	0.9998	1.0755	2.00	1.93	3.71	76.95	Quadratic
Fluorene	0.9992	1.3379	2.00	2.04	-1.97	84.88	Quadratic
Phenanthrene-d10	----------ISTD----------						
Phenanthrene	0.9995	1.0037	2.00	1.92	3.94	83.73	Quadratic
Anthracene	0.9993	0.8224	2.00	1.99	0.65	84.83	Quadratic
o-Terphenyl	0.9990	0.6178	2.00	2.09	-4.52	89.52	Quadratic
Fluoranthene	0.9998	0.9719	2.00	1.98	0.89	81.45	Quadratic
Chrysene-d12	----------ISTD----------						
Pyrene	0.9998	1.3426	2.00	2.00	0.11	80.32	Quadratic
Terphenyl-d14	0.9995	0.8809	2.00	2.09	-4.52	87.21	Quadratic
Benzo(a)Anthracene	0.9996	1.0414	2.00	2.20	-9.86	90.46	Quadratic
Chrysene	0.9991	1.3154	2.00	2.02	-1.24	85.60	Quadratic
Perylene-d12	----------ISTD----------						
Benzo(b)fluoranthene	0.9994	1.3695	2.00	2.00	0.25	93.01	Quadratic
Benzo(k)fluoranthene	0.9987	1.5318	2.00	1.93	3.36	91.67	Quadratic
Benzo(a)pyrene	0.9995	1.1880	2.00	1.97	1.32	90.72	Quadratic
Indeno(1,2,3-cd)pyrene	0.9999	1.0442	2.00	1.95	2.44	87.22	Quadratic
Dibenzo(a,h)anthracene	0.9994	1.2373	2.00	2.03	-1.43	94.28	Quadratic
Benzo(g,h,i)perylene	0.9989	1.4960	2.00	2.03	-1.63	95.81	Quadratic

A -- against Average; M -- against Mid Point; P -- against Previous CC in the Method;

Continuing Calibration Report

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Batch Name	\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\QuantResults\021122 bna SIM 1.batch.bin
Method File	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\020722 bna SIM 1.batch.bin
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Level name	Injection Time	Calibration Files	
7	2/7/2022 3:41:27 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0702.D	
6	2/7/2022 4:14:01 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0703.D	
5	2/7/2022 4:46:39 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0704.D	
4	2/7/2022 5:19:11 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0705.D	
3	2/7/2022 5:51:55 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0706.D	
2	2/7/2022 6:24:31 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0707.D	
1	2/7/2022 6:57:09 PM	\\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\Feb0708.D	
CCV	2/14/2022 11:04:17 AM	\\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D	<======

ISTD Compound:	Avg Resp	Mid Resp	CC Resp	Area%	A/M
1,4-Dichlorobenzene-d4	446749	461660	371030	80.37	M
Naphthalene-d8	1576067	1672073	1354621	81.01	M
Acenaphthene-d10	1086425	1119297	882464	78.84	M
Phenanthrene-d10	1954951	2036232	1686375	82.82	M
Chrysene-d12	1590788	1667940	1338238	80.23	M
Perylene-d12	951821	1019908	896121	87.86	M

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
1,4-Dichlorobenzene-d4	----------ISTD----------						
Nitrobenzene-d5	0.7974	0.7567	2.00	1.90	-5.10	89.75	Avg RF
Naphthalene-d8	----------ISTD----------						
Naphthalene	0.9998	1.0031	2.00	1.86	7.18	76.64	Quadratic
2-Methylnaphthalene	0.9996	0.5893	2.00	1.80	9.81	74.67	Quadratic
1-Methylnaphthalene	0.9985	0.6696	2.00	1.92	4.04	83.65	Quadratic
Acenaphthene-d10	----------ISTD----------						
2-Fluorobiphenyl	0.9995	1.3784	2.00	2.19	-9.48	86.36	Quadratic
Acenaphthylene	1.5334	1.5572	2.00	2.03	1.55	82.32	Avg RF
Acenaphthene	0.9998	1.0755	2.00	1.93	3.71	76.95	Quadratic
Fluorene	0.9992	1.3379	2.00	2.04	-1.97	84.88	Quadratic
Phenanthrene-d10	----------ISTD----------						
Phenanthrene	0.9995	1.0037	2.00	1.92	3.94	83.73	Quadratic
Anthracene	0.9993	0.8224	2.00	1.99	0.65	84.83	Quadratic
o-Terphenyl	0.9990	0.6178	2.00	2.09	-4.52	89.52	Quadratic
Fluoranthene	0.9998	0.9719	2.00	1.98	0.89	81.45	Quadratic
Chrysene-d12	----------ISTD----------						
Pyrene	0.9998	1.3426	2.00	2.00	0.11	80.32	Quadratic
Terphenyl-d14	0.9995	0.8809	2.00	2.09	-4.52	87.21	Quadratic
Benzo(a)Anthracene	0.9996	1.0414	2.00	2.20	-9.86	90.46	Quadratic
Chrysene	0.9991	1.3154	2.00	2.02	-1.24	85.60	Quadratic
Perylene-d12	----------ISTD----------						
Benzo(b)fluoranthene	0.9994	1.3695	2.00	2.00	0.25	93.01	Quadratic
Benzo(k)fluoranthene	0.9987	1.5318	2.00	1.93	3.36	91.67	Quadratic
Benzo(a)pyrene	0.9995	1.1880	2.00	1.97	1.32	90.72	Quadratic
Indeno(1,2,3-cd)pyrene	0.9999	1.0442	2.00	1.95	2.44	87.22	Quadratic
Dibenzo(a,h)anthracene	0.9994	1.2373	2.00	2.03	-1.43	94.28	Quadratic
Benzo(g,h,i)perylene	0.9989	1.4960	2.00	2.03	-1.63	95.81	Quadratic

A -- against Average; M -- against Mid Point; P -- against Previous CC in the Method;

Batch name and path: \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\QuantResults\021122 bna SIM 1.batch.bin
Quant batch version: 10.0
Quant reporting version: 10.0

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdNewBatchTable	BL2000\jheine	2/11/2022 3:14:42 PM	Create new batch \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\021122 bna SIM 1.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	2/11/2022 3:14:46 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1101.D			✓	
CmdSetSampleAttribute	BL2000\jheine	2/11/2022 3:14:51 PM	Set SampleType = TuneCheck for sample Feb1101.D; previous value = Sample			✓	
CmdSaveBatchTable	BL2000\jheine	2/11/2022 3:15:29 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\QuantResults\021122 bna SIM 1.batch.bin			✓	
CmdSaveBatchTable	BL2000\jheine	2/11/2022 3:25:13 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\QuantResults\021122 bna SIM 1.batch.bin			✓	
CmdOpenBatchTable	BL2000\jheine	2/11/2022 3:45:24 PM	Open batch \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\021122 bna SIM 1.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	2/11/2022 3:45:33 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1102.D			✓	
CmdStartMethodEditing	BL2000\jheine	2/11/2022 3:45:57 PM	Start method editing			✓	
CmdImportMethodFromBatch	BL2000\jheine	2/11/2022 3:45:58 PM	Import method from batch \\MASSHUNTER\Org\Data\SV5975.I\sh020722\1 e8270c bna SIM\020722 bna SIM 1.batch.bin			✓	
CmdApplyMethodToAllSamples	BL2000\jheine	2/11/2022 3:46:02 PM	Apply method to all samples			✓	
CmdMethodClear	BL2000\jheine	2/11/2022 3:46:02 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\jheine	2/11/2022 3:46:02 PM	End method editing			✓	
CmdQuantitate	BL2000\jheine	2/11/2022 3:46:05 PM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\jheine	2/11/2022 3:46:07 PM	Set SampleType = CC for sample Feb1102.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/11/2022 3:46:08 PM	Set LevelName = CCV for sample Feb1102.D; previous value =			✓	
CmdQuantitate	BL2000\jheine	2/11/2022 3:46:10 PM	Quantitate all compounds in sample Feb1102.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/11/2022 3:46:47 PM	Manually integrate compound Anthracene in sample Feb1102.D, from x, y = 9.768, 4351 to 9.842, 10278, result = 52797; previous integration is from x, y = 9.753, 191 to 9.842, 227 and previous response = 84632.			✓	
CmdClearManualIntegration	BL2000\jheine	2/11/2022 3:46:52 PM	Clear manual integration of target signal for compound Anthracene in sample Feb1102.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/11/2022 3:47:01 PM	Manually integrate compound Phenanthrene-d10 in sample Feb1102.D, from x, y = 9.731, 21183 to 10.064, 49725, result = 978335; previous integration is from x, y = 9.743, 266 to 9.830, 361 and previous response = 1551484.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/11/2022 3:47:02 PM	Snap baseline for compound Phenanthrene-d10 in sample Feb1102.D, from x = 9.731 to x = 10.064, new integration is from x, y = 9.731, 70 to 10.064, 1932 and new response = 1667746; previous integration is from x, y = 9.731, 21183 to 10.064, 49725 and previous response = 978335.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/11/2022 3:47:02 PM	Drop baseline for compound Phenanthrene-d10 in sample Feb1102.D to y = 70, new integration is from x, y = 9.731, 70 to 10.064, 70 and new response = 1686375; previous integration is from x, y = 9.731, 70 to 10.064, 1932 and previous response = 1667746.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/11/2022 3:47:09 PM	Manually integrate compound Anthracene in sample Feb1102.D, from x, y = 9.768, 6687 to 9.842, 13695, result = 40009; previous integration is from x, y = 9.753, 191 to 9.842, 227 and previous response = 84632.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/11/2022 3:47:10 PM	Snap baseline for compound Anthracene in sample Feb1102.D, from x = 9.768 to x = 9.842, new integration is from x, y = 9.768, 873 to 9.842, 1425 and new response = 80209; previous integration is from x, y = 9.768, 6687 to 9.842, 13695 and previous response = 40009.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/11/2022 3:47:10 PM	Drop baseline for compound Anthracene in sample Feb1102.D to y = 873, new integration is from x, y = 9.768, 873 to 9.842, 873 and new response = 81436; previous integration is from x, y = 9.768, 873 to 9.842, 1425 and previous response = 80209.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\jheine	2/11/2022 3:47:12 PM	Set UserAnnotation = BA for compound Anthracene in sample Feb1102.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/11/2022 3:47:18 PM	Set UserAnnotation = BA for compound Phenanthrene-d10 in sample Feb1102.D; previous value =			✓	
CmdSelectPeak	BL2000\jheine	2/11/2022 3:47:35 PM	Select peak for compound Chrysene in sample Feb1102.D			✓	
CmdSelectPeak	BL2000\jheine	2/11/2022 3:47:39 PM	Select peak for compound Benzo(k)fluoranthene in sample Feb1102.D			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/11/2022 3:47:41 PM	Set UserAnnotation = RT for compound Benzo(k)fluoranthene in sample Feb1102.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/11/2022 3:47:44 PM	Set UserAnnotation = RT for compound Chrysene in sample Feb1102.D; previous value =			✓	
CmdSaveBatchTable	BL2000\jheine	2/11/2022 3:51:21 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021122\1 e8270c bna SIM\QuantResults\021122 bna SIM 1.batch.bin			✓	
CmdOpenBatchTable	BL2000\jheine	2/14/2022 10:58:40 AM	Open batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021122\1 e8270c bna SIM\021122 bna SIM 1.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdImportSamplesFromWorklist	BL2000\jheine	2/14/2022 11:00:29 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1119.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1118.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1117.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1116.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1115.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1114.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1113.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1112.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1111.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1110.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1109.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1108.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1107.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1106.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1105.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1104.D, \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1103.D			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:00:38 AM	Set SampleType = Blank for sample Feb1104.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:00:40 AM	Set SampleType = Matrix for sample Feb1105.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:00:44 AM	Set SampleType = MatrixDup for sample Feb1106.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:00:48 AM	Set SampleType = Matrix for sample Feb1108.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:00:52 AM	Set SampleType = Matrix for sample Feb1110.D; previous value = Sample			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdQuantitate	BL2000\jheine	2/14/2022 11:01:14 AM	Quantitate all compounds in all samples				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Batch quantitation failed ---> System.ApplicationException: Failed to open data access for sample Feb1120.D ---> System.ApplicationException: Data access failed for sample path \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D: The file \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D does not contain any data. at Agilent.MassSpectrometry.DataAnalysis.Quantitative.MSDataAccess..ctor(IQuantDataSet dataSet, Int16 batchId, Int16 sampleId, String sampleDataPath) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.MSDataAccess.OpenSampleData(QuantitationDataSet dataSet, Int16 batchId, Int16 sampleId, String sampleDataPath, Boolean& newlyOpened) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Sample.get_DataAccess() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Sample.get_DataAccess() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QuantifierIon.GetChromatogram() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Compound.UpdateNoiseOfRawSignal() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Sample.UpdateCompounds() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Sample.UpdateIntegrationResults() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Sample.IntegrateImpl(Boolean clearResults, Boolean updateResults) at

Name	User	Time	Action	Reason	Comment	Succeed	Exception
							Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Batch.QuantitateImpl() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Batch.Quantitate() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Batch.Quantitate() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdQuantitate.QuantitateBatch(Int16 batchId) at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:01:35 AM	Set SampleType = CC for sample Feb1120.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:01:39 AM	Set LevelName = CCV for sample Feb1120.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdQuantitate	BL2000\jheine	2/14/2022 11:01:44 AM	Quantitate all compounds in all samples				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Batch quantitation failed ---> System.ApplicationException: Failed to open data access for sample Feb1120.D ---> System.ApplicationException: Data access failed for sample path \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D: The file \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D does not contain any data. at Agilent.MassSpectrometry.DataAnalysis.Quantitative.MSDataAccess..ctor(IQuantDataSet dataSet, Int16 batchId, Int16 sampleId, String sampleDataPath) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.MSDataAccess.OpenSampleData(QuantitationDataSet dataSet, Int16 batchId, Int16 sampleId, String sampleDataPath, Boolean& newlyOpened) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Sample.get_DataAccess() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Sample.get_DataAccess() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QuantifierIon.GetChromatogram() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Compound.UpdateNoiseOfRawSignal() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Sample.UpdateCompounds() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Sample.UpdateIntegrationResults() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Sample.IntegrateImpl(Boolean clearResults, Boolean updateResults) at

Name	User	Time	Action	Reason	Comment	Succeed	Exception
							Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Batch.QuantitateImpl() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Batch.Quantitate() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.Batch.Quantitate() at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdQuantitate.QuantitateBatch(Int16 batchId) at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)
CmdRemoveSamples	BL2000\jheine	2/14/2022 11:06:48 AM	Remove 1 sample(s): Remove CC sample 11-Feb-22_CCV_20, data file Feb1120.D ;			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:08:00 AM	Set MatrixSpikeGroup = MB-163621 for sample Feb1104.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:08:01 AM	Set MatrixSpikeGroup = MB-163621 for sample Feb1105.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:08:03 AM	Set MatrixSpikeGroup = MB-163621 for sample Feb1106.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:08:07 AM	Set MatrixSpikeGroup = B22020415-001C for sample Feb1107.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:08:08 AM	Set MatrixSpikeGroup = B22020415-001C for sample Feb1108.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:08:12 AM	Set MatrixSpikeGroup = B22020415-006C for sample Feb1109.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:08:13 AM	Set MatrixSpikeGroup = B22020415-006C for sample Feb1110.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:08:18 AM	Set SampleInformation = MatrixA for sample Feb1105.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:08:22 AM	Set SampleInformation = MatrixA for sample Feb1106.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:08:25 AM	Set SampleInformation = MatrixA for sample Feb1108.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:08:26 AM	Set SampleInformation = MatrixA for sample Feb1110.D; previous value =			✓	
CmdQuantitate	BL2000\jheine	2/14/2022 11:09:13 AM	Quantitate all compounds in all samples			✓	
CmdUpdateRetentionTimes	BL2000\jheine	2/14/2022 11:10:40 AM	Update retention time for compound Perylene-d12; Chrysene-d12; Phenanthrene-d10; Acenaphthene-d10; Naphthalene-d8; 1,4-Dichlorobenzene-d4; o-Terphenyl; Terphenyl-d14; 2-Fluorobiphenyl; Nitrobenzene-d5; Benzo(g,h,i)perylene; Dibenzo(a,h)anthracene; Indeno(1,2,3-cd)pyrene; Benzo(k)fluoranthene; Benzo(b)fluoranthene; Chrysene; Benzo(a)Anthracene; Pyrene; Fluoranthene; Anthracene; Phenanthrene; Fluorene; Acenaphthene; Acenaphthylene; 1-Methylnaphthalene; 2-Methylnaphthalene; Naphthalene; Benzo(a)pyrene;			✓	
CmdCalibrate	BL2000\jheine	2/14/2022 11:10:52 AM	Replace level CCV with CC sample Feb1102.D for compounds {Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-cd)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Chrysene, Benzo(a)Anthracene, Terphenyl-d14, Pyrene, Fluoranthene, o-Terphenyl, Anthracene, Phenanthrene, Fluorene, Acenaphthene, Acenaphthylene, 2-Fluorobiphenyl, 1-Methylnaphthalene, 2-Methylnaphthalene, Naphthalene, Nitrobenzene-d5, Benzo(a)pyrene};			✓	
CmdQuantitate	BL2000\jheine	2/14/2022 11:11:03 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:11:42 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1103.D, from x, y = 18.289, 72 to 18.376, 355, result = -524; previous integration is from x, y = 18.388, 79 to 18.586, 92 and previous response = 4211.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:11:43 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb1103.D, from x = 18.289 to x = 18.376, new integration is from x, y = 18.289, 72 to 18.376, 80 and new response = 191; previous integration is from x, y = 18.289, 72 to 18.376, 355 and previous response = -524.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:11:44 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb1103.D to y = 72, new integration is from x, y = 18.289, 72 to 18.376, 72 and new response = 211; previous integration is from x, y = 18.289, 72 to 18.376, 80 and previous response = 191.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:11:46 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1103.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:11:48 AM	Zero out primary peak of compound Acenaphthene in sample Feb1103.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:11:50 AM	Zero out primary peak of compound Chrysene in sample Feb1103.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:11:51 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1103.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:12:11 AM	Manually integrate compound Fluorene in sample Feb1104.D, from x, y = 8.661, 137 to 8.723, 126, result = 345; previous integration is from x, y = 8.936, 103 to 9.060, 105 and previous response = 21737.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:12:12 AM	Snap baseline for compound Fluorene in sample Feb1104.D, from x = 8.661 to x = 8.723, new integration is from x, y = 8.661, 111 to 8.723, 115 and new response = 414; previous integration is from x, y = 8.661, 137 to 8.723, 126 and previous response = 345.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:12:13 AM	Drop baseline for compound Fluorene in sample Feb1104.D to y = 111, new integration is from x, y = 8.661, 111 to 8.723, 111 and new response = 421; previous integration is from x, y = 8.661, 111 to 8.723, 115 and previous response = 414.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:12:14 AM	Zero out primary peak of compound Fluorene in sample Feb1104.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:12:20 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1104.D, from x, y = 18.289, 199 to 18.388, 436, result = -684; previous integration is from x, y = 18.388, 88 to 18.586, 108 and previous response = 4032.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:12:21 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb1104.D, from x = 18.289 to x = 18.388, new integration is from x, y = 18.289, 77 to 18.388, 109 and new response = 649; previous integration is from x, y = 18.289, 199 to 18.388, 436 and previous response = -684.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:12:22 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb1104.D to y = 77, new integration is from x, y = 18.289, 77 to 18.388, 77 and new response = 744; previous integration is from x, y = 18.289, 77 to 18.388, 109 and previous response = 649.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:12:24 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1104.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:12:31 AM	Manually integrate compound Acenaphthene in sample Feb1104.D, from x, y = 8.025, 282 to 8.113, 171, result = 252; previous integration is from x, y = 7.983, 181 to 8.113, 171 and previous response = 3815.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:12:32 AM	Drop baseline for compound Acenaphthene in sample Feb1104.D to y = 171, new integration is from x, y = 8.025, 171 to 8.113, 171 and new response = 542; previous integration is from x, y = 8.025, 282 to 8.113, 171 and previous response = 252.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:12:33 AM	Zero out primary peak of compound Acenaphthene in sample Feb1104.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:12:39 AM	Manually integrate compound Chrysene in sample Feb1104.D, from x, y = 14.714, 554 to 14.851, 446, result = -1183; previous integration is from x, y = 14.614, 79 to 14.714, 88 and previous response = 5522.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:12:40 AM	Snap baseline for compound Chrysene in sample Feb1104.D, from x = 14.714 to x = 14.851, new integration is from x, y = 14.714, 375 to 14.851, 123 and new response = 878; previous integration is from x, y = 14.714, 554 to 14.851, 446 and previous response = -1183.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:12:41 AM	Drop baseline for compound Chrysene in sample Feb1104.D to y = 123, new integration is from x, y = 14.714, 123 to 14.851, 123 and new response = 1913; previous integration is from x, y = 14.714, 375 to 14.851, 123 and previous response = 878.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:12:43 AM	Zero out primary peak of compound Chrysene in sample Feb1104.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:12:45 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1104.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/14/2022 11:13:00 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1105.D, from x, y = 5.941, 1901 to 6.091, 113, result = 6215; previous integration is from x, y = 5.916, 112 to 6.091, 113 and previous response = 19560.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:13:02 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1105.D to y = 113, new integration is from x, y = 5.941, 113 to 6.091, 113 and new response = 14250; previous integration is from x, y = 5.941, 1901 to 6.091, 113 and previous response = 6215.			✓	
CmdSelectPeak	BL2000\jheine	2/14/2022 11:13:34 AM	Select peak for compound Anthracene in sample Feb1105.D			✓	
CmdClearManualIntegration	BL2000\jheine	2/14/2022 11:13:39 AM	Clear manual integration of target signal for compound Anthracene in sample Feb1105.D			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/14/2022 11:14:04 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1102.D, from x, y = 5.903, 439 to 6.097, 162, result = 14452; previous integration is from x, y = 5.904, 144 to 6.097, 162 and previous response = 16154.			✓	
CmdClearManualIntegration	BL2000\jheine	2/14/2022 11:14:06 AM	Clear manual integration of qualifier 102.0 for compound Naphthalene in sample Feb1102.D			✓	
CmdSelectPeak	BL2000\jheine	2/14/2022 11:14:43 AM	Select peak for compound Anthracene in sample Feb1102.D			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/14/2022 11:14:46 AM	Set UserAnnotation = RT for compound Anthracene in sample Feb1102.D; previous value = BA			✓	
CmdUpdateRetentionTimes	BL2000\jheine	2/14/2022 11:15:39 AM	Update retention time for compound Perylene-d12; Chrysene-d12; Phenanthrene-d10; Acenaphthene-d10; Naphthalene-d8; 1,4-Dichlorobenzene-d4; Terphenyl-d14; 2-Fluorobiphenyl; Nitrobenzene-d5; Benzo(g,h,i)perylene; Dibenzo(a,h)anthracene; Indeno(1,2,3-cd)pyrene; Benzo(a)pyrene; Benzo(k)fluoranthene; Benzo(b)fluoranthene; Chrysene; Benzo(a)Anthracene; Pyrene; Fluoranthene; Anthracene; Phenanthrene; Fluorene; Acenaphthene; Acenaphthylene; 1-Methylnaphthalene; 2-Methylnaphthalene; Naphthalene; o-Terphenyl;			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdQuantitate	BL2000\jheine	2/14/2022 11:15:53 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:19:43 AM	Manually integrate compound Fluorene in sample Feb1107.D, from x, y = 8.648, 149 to 8.711, 188, result = 114; previous integration is from x, y = 8.936, 177 to 9.122, 177 and previous response = 21408.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:19:44 AM	Snap baseline for compound Fluorene in sample Feb1107.D, from x = 8.648 to x = 8.711, new integration is from x, y = 8.648, 149 to 8.711, 148 and new response = 188; previous integration is from x, y = 8.648, 149 to 8.711, 188 and previous response = 114.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:19:44 AM	Drop baseline for compound Fluorene in sample Feb1107.D to y = 148, new integration is from x, y = 8.648, 148 to 8.711, 148 and new response = 190; previous integration is from x, y = 8.648, 149 to 8.711, 148 and previous response = 188.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:19:46 AM	Zero out primary peak of compound Fluorene in sample Feb1107.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:19:51 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1107.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:19:58 AM	Manually integrate compound Acenaphthene in sample Feb1107.D, from x, y = 8.025, 811 to 8.063, 195, result = -274; previous integration is from x, y = 7.976, 195 to 8.063, 195 and previous response = 3673.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:19:59 AM	Drop baseline for compound Acenaphthene in sample Feb1107.D to y = 195, new integration is from x, y = 8.025, 195 to 8.063, 195 and new response = 417; previous integration is from x, y = 8.025, 811 to 8.063, 195 and previous response = -274.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:20:02 AM	Zero out primary peak of compound Acenaphthene in sample Feb1107.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:20:14 AM	Manually integrate compound Chrysene in sample Feb1107.D, from x, y = 14.714, 340 to 14.813, 347, result = -964; previous integration is from x, y = 14.604, 67 to 14.764, 67 and previous response = 4798.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:20:16 AM	Snap baseline for compound Chrysene in sample Feb1107.D, from x = 14.714 to x = 14.813, new integration is from x, y = 14.714, 235 to 14.813, 114 and new response = 46; previous integration is from x, y = 14.714, 340 to 14.813, 347 and previous response = -964.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:20:17 AM	Drop baseline for compound Chrysene in sample Feb1107.D to y = 114, new integration is from x, y = 14.714, 114 to 14.813, 114 and new response = 407; previous integration is from x, y = 14.714, 235 to 14.813, 114 and previous response = 46.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:20:27 AM	Zero out primary peak of compound Chrysene in sample Feb1107.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:20:36 AM	Manually integrate compound Benzo(a)Anthracene in sample Feb1107.D, from x, y = 14.604, 67 to 14.714, 192, result = 3895; previous integration is from x, y = 14.604, 67 to 14.764, 67 and previous response = 4798.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:20:37 AM	Drop baseline for compound Benzo(a)Anthracene in sample Feb1107.D to y = 67, new integration is from x, y = 14.604, 67 to 14.714, 67 and new response = 4309; previous integration is from x, y = 14.604, 67 to 14.714, 192 and previous response = 3895.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:20:38 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1107.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/14/2022 11:20:58 AM	Manually integrate qualifier 129.0 of compound Naphthalene in sample Feb1108.D, from x, y = 5.928, 289 to 5.978, 624, result = 12285; previous integration is from x, y = 5.941, 937 to 5.998, 937 and previous response = 8743.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:20:59 AM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Feb1108.D to y = 289, new integration is from x, y = 5.928, 289 to 5.978, 289 and new response = 12788; previous integration is from x, y = 5.928, 289 to 5.978, 624 and previous response = 12285.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:21:13 AM	Manually integrate compound Naphthalene in sample Feb1108.D, from x, y = 5.916, 266 to 6.016, 16548, result = 61128; previous integration is from x, y = 5.916, 266 to 6.103, 266 and previous response = 114635.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:21:15 AM	Drop baseline for compound Naphthalene in sample Feb1108.D to y = 266, new integration is from x, y = 5.916, 266 to 6.016, 266 and new response = 109933; previous integration is from x, y = 5.916, 266 to 6.016, 16548 and previous response = 61128.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/14/2022 11:21:19 AM	Set UserAnnotation = GT for compound Naphthalene in sample Feb1108.D; previous value =			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/14/2022 11:21:22 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1108.D, from x, y = 5.941, 1582 to 6.003, 278, result = 12208; previous integration is from x, y = 5.916, 278 to 6.003, 278 and previous response = 18024.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:21:23 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1108.D to y = 278, new integration is from x, y = 5.941, 278 to 6.003, 278 and new response = 14650; previous integration is from x, y = 5.941, 1582 to 6.003, 278 and previous response = 12208.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/14/2022 11:21:35 AM	Manually integrate qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1108.D, from x, y = 6.877, 2983 to 6.927, 1389, result = 28424; previous integration is from x, y = 6.852, 441 to 7.027, 441 and previous response = 44878.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:21:37 AM	Drop baseline for qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1108.D to y = 1389, new integration is from x, y = 6.877, 1389 to 6.927, 1389 and new response = 30812; previous integration is from x, y = 6.877, 2983 to 6.927, 1389 and previous response = 28424.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/14/2022 11:21:55 AM	Manually integrate qualifier 153.0 of compound Acenaphthylene in sample Feb1108.D, from x, y = 7.801, 10991 to 7.863, 21978, result = -40965; previous integration is from x, y = 8.013, 276 to 8.125, 276 and previous response = 107668.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:21:56 AM	Snap baseline for qualifier 153.0 of compound Acenaphthylene in sample Feb1108.D from x = 7.801 to x = 7.863, new integration is from x, y = 7.801, 260 to 7.863, 983 and new response = 18332; previous integration is from x, y = 7.801, 10991 to 7.863, 21978 and previous response = -40965.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:22:00 AM	Drop baseline for qualifier 153.0 of compound Acenaphthylene in sample Feb1108.D to y = 260, new integration is from x, y = 7.801, 260 to 7.863, 260 and new response = 19683; previous integration is from x, y = 7.801, 260 to 7.863, 983 and previous response = 18332.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/14/2022 11:22:21 AM	Manually integrate qualifier152.0 of compound Acenaphthene in sample Feb1108.D from x, y = 8.001, 14877 to 8.088, 24864; result = -52160			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:22:22 AM	Snap baseline for qualifier 152.0 of compound Acenaphthene in sample Feb1108.D from x = 8.001 to x = 8.088, new integration is from x, y = 8.001, 537 to 8.088, 824 and new response = 48299; previous integration is from x, y = 8.001, 14877 to 8.088, 24864 and previous response = -52160.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:22:23 AM	Drop baseline for qualifier 152.0 of compound Acenaphthene in sample Feb1108.D to y = 537, new integration is from x, y = 8.001, 537 to 8.088, 537 and new response = 49050; previous integration is from x, y = 8.001, 537 to 8.088, 824 and previous response = 48299.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:23:37 AM	Manually integrate compound Acenaphthene in sample Feb1109.D, from x, y = 8.025, 256 to 8.088, 180, result = 2991; previous integration is from x, y = 7.977, 180 to 8.088, 180 and previous response = 6414.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:23:46 AM	Drop baseline for compound Acenaphthene in sample Feb1109.D to y = 180, new integration is from x, y = 8.025, 180 to 8.088, 180 and new response = 3133; previous integration is from x, y = 8.025, 256 to 8.088, 180 and previous response = 2991.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/14/2022 11:23:58 AM	Manually integrate qualifier 153.0 of compound Acenaphthene in sample Feb1109.D, from x, y = 8.025, 352 to 8.107, 231, result = 3139; previous integration is from x, y = 7.988, 231 to 8.107, 231 and previous response = 3761.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:23:59 AM	Drop baseline for qualifier 153.0 of compound Acenaphthene in sample Feb1109.D to y = 231, new integration is from x, y = 8.025, 231 to 8.107, 231 and new response = 3432; previous integration is from x, y = 8.025, 352 to 8.107, 231 and previous response = 3139.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:24:01 AM	Zero out primary peak of compound Acenaphthene in sample Feb1109.D			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/14/2022 11:24:07 AM	Manually integrate compound Naphthalene in sample Feb1109.D, from x, y = 5.928, 434 to 5.978, 443, result = 2721; previous integration is from x, y = 5.891, 392 to 6.078, 392 and previous response = 6741.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:24:08 AM	Drop baseline for compound Naphthalene in sample Feb1109.D to y = 434, new integration is from x, y = 5.928, 434 to 5.978, 434 and new response = 2735; previous integration is from x, y = 5.928, 434 to 5.978, 443 and previous response = 2721.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:24:12 AM	Zero out primary peak of compound Naphthalene in sample Feb1109.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:24:15 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1109.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/14/2022 11:24:26 AM	Manually integrate qualifier 153.0 of compound Acenaphthylene in sample Feb1109.D, from x, y = 7.813, 217 to 7.851, 213, result = 400; previous integration is from x, y = 7.680, 231 to 7.739, 231 and previous response = 485.			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/14/2022 11:24:33 AM	Manually integrate compound Phenanthrene in sample Feb1109.D, from x, y = 9.780, 437 to 9.842, 222, result = 4285; previous integration is from x, y = 9.746, 223 to 9.842, 222 and previous response = 5467.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:24:35 AM	Drop baseline for compound Phenanthrene in sample Feb1109.D to y = 222, new integration is from x, y = 9.780, 222 to 9.842, 222 and new response = 4684; previous integration is from x, y = 9.780, 437 to 9.842, 222 and previous response = 4285.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:24:44 AM	Manually integrate compound Chrysene in sample Feb1109.D, from x, y = 14.714, 407 to 14.826, 339, result = -803; previous integration is from x, y = 14.608, 75 to 14.714, 77 and previous response = 5014.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:24:45 AM	Snap baseline for compound Chrysene in sample Feb1109.D, from x = 14.714 to x = 14.826, new integration is from x, y = 14.714, 270 to 14.826, 119 and new response = 395; previous integration is from x, y = 14.714, 407 to 14.826, 339 and previous response = -803.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:24:46 AM	Drop baseline for compound Chrysene in sample Feb1109.D to y = 119, new integration is from x, y = 14.714, 119 to 14.826, 119 and new response = 903; previous integration is from x, y = 14.714, 270 to 14.826, 119 and previous response = 395.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:24:48 AM	Zero out primary peak of compound Chrysene in sample Feb1109.D			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:24:53 AM	Snap baseline for qualifier 142.0 of compound 2-Methylnaphthalene in sample Feb1109.D from x = 6.765 to x = 6.865, new integration is from x, y = 6.765, 203 to 6.865, 272 and new response = 2345; previous integration is from x, y = 6.765, 119 to 6.865, 119 and previous response = 3056.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:24:54 AM	Drop baseline for qualifier 142.0 of compound 2-Methylnaphthalene in sample Feb1109.D to y = 203, new integration is from x, y = 6.765, 203 to 6.865, 203 and new response = 2552; previous integration is from x, y = 6.765, 203 to 6.865, 272 and previous response = 2345.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:24:58 AM	Snap baseline for qualifier 115.0 of compound 2-Methylnaphthalene in sample Feb1109.D from x = 6.777 to x = 6.852, new integration is from x, y = 6.777, 771 to 6.852, 528 and new response = 2259; previous integration is from x, y = 6.777, 343 to 6.852, 343 and previous response = 3639.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:24:59 AM	Drop baseline for qualifier 115.0 of compound 2-Methylnaphthalene in sample Feb1109.D to y = 528, new integration is from x, y = 6.777, 528 to 6.852, 528 and new response = 2805; previous integration is from x, y = 6.777, 771 to 6.852, 528 and previous response = 2259.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/14/2022 11:25:11 AM	Manually integrate qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb1109.D, from x, y = 6.890, 507 to 6.952, 217, result = 1596; previous integration is from x, y = 6.865, 119 to 6.965, 119 and previous response = 2916.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:25:14 AM	Snap baseline for qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb1109.D from x = 6.890 to x = 6.952, new integration is from x, y = 6.890, 319 to 6.952, 273 and new response = 1844; previous integration is from x, y = 6.890, 507 to 6.952, 217 and previous response = 1596.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:25:15 AM	Drop baseline for qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb1109.D to y = 273, new integration is from x, y = 6.890, 273 to 6.952, 273 and new response = 1930; previous integration is from x, y = 6.890, 319 to 6.952, 273 and previous response = 1844.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/14/2022 11:25:19 AM	Manually integrate qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1109.D, from x, y = 6.890, 655 to 6.927, 672, result = 1655; previous integration is from x, y = 6.852, 343 to 6.952, 343 and previous response = 4588.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:25:20 AM	Drop baseline for qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1109.D to y = 655, new integration is from x, y = 6.890, 655 to 6.927, 655 and new response = 1674; previous integration is from x, y = 6.890, 655 to 6.927, 672 and previous response = 1655.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/14/2022 11:25:33 AM	Manually integrate qualifier215.0 of compound o-Terphenyl in sample Feb1109.D from x, y = 10.274, 149 to 10.336, 205; result = 580			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:25:34 AM	Snap baseline for qualifier 215.0 of compound o-Terphenyl in sample Feb1109.D from x = 10.274 to x = 10.336, new integration is from x, y = 10.274, 81 to 10.336, 96 and new response = 909; previous integration is from x, y = 10.274, 149 to 10.336, 205 and previous response = 580.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:25:35 AM	Drop baseline for qualifier 215.0 of compound o-Terphenyl in sample Feb1109.D to y = 81, new integration is from x, y = 10.274, 81 to 10.336, 81 and new response = 937; previous integration is from x, y = 10.274, 81 to 10.336, 96 and previous response = 909.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:25:44 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1109.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:25:49 AM	Zero out primary peak of compound Chrysene in sample Feb1109.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/14/2022 11:26:11 AM	Manually integrate qualifier 129.0 of compound Naphthalene in sample Feb1110.D, from x, y = 5.928, 212 to 5.978, 548, result = 8579; previous integration is from x, y = 5.938, 533 to 6.014, 533 and previous response = 9800.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:26:13 AM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Feb1110.D to y = 212, new integration is from x, y = 5.928, 212 to 5.978, 212 and new response = 9082; previous integration is from x, y = 5.928, 212 to 5.978, 548 and previous response = 8579.			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/14/2022 11:27:16 AM	Manually integrate compound Fluorene in sample Feb1111.D, from x, y = 8.648, 92 to 8.698, 184, result = 9; previous integration is from x, y = 8.936, 92 to 9.060, 95 and previous response = 20521.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:27:17 AM	Drop baseline for compound Fluorene in sample Feb1111.D to y = 92, new integration is from x, y = 8.648, 92 to 8.698, 92 and new response = 146; previous integration is from x, y = 8.648, 92 to 8.698, 184 and previous response = 9.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:27:19 AM	Zero out primary peak of compound Fluorene in sample Feb1111.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:27:23 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1111.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:27:25 AM	Zero out primary peak of compound Acenaphthene in sample Feb1111.D			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/14/2022 11:27:32 AM	Manually integrate compound Chrysene in sample Feb1111.D, from x, y = 14.714, 350 to 14.789, 498, result = -940; previous integration is from x, y = 14.615, 71 to 14.714, 81 and previous response = 4266.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:27:33 AM	Snap baseline for compound Chrysene in sample Feb1111.D, from x = 14.714 to x = 14.789, new integration is from x, y = 14.714, 227 to 14.789, 122 and new response = 178; previous integration is from x, y = 14.714, 350 to 14.789, 498 and previous response = -940.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:27:34 AM	Drop baseline for compound Chrysene in sample Feb1111.D to y = 122, new integration is from x, y = 14.714, 122 to 14.789, 122 and new response = 413; previous integration is from x, y = 14.714, 227 to 14.789, 122 and previous response = 178.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:27:36 AM	Zero out primary peak of compound Chrysene in sample Feb1111.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:27:49 AM	Manually integrate compound Fluorene in sample Feb1112.D, from x, y = 8.649, 85 to 8.711, 112, result = 476; previous integration is from x, y = 8.935, 99 to 9.060, 100 and previous response = 22141.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:27:50 AM	Drop baseline for compound Fluorene in sample Feb1112.D to y = 85, new integration is from x, y = 8.649, 85 to 8.711, 85 and new response = 527; previous integration is from x, y = 8.649, 85 to 8.711, 112 and previous response = 476.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:27:51 AM	Zero out primary peak of compound Fluorene in sample Feb1112.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:28:02 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1112.D, from x, y = 18.289, 164 to 18.388, 357, result = -241; previous integration is from x, y = 18.388, 80 to 18.524, 83 and previous response = 3885.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:28:03 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb1112.D, from x = 18.289 to x = 18.388, new integration is from x, y = 18.289, 80 to 18.388, 95 and new response = 785; previous integration is from x, y = 18.289, 164 to 18.388, 357 and previous response = -241.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:28:04 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb1112.D to y = 80, new integration is from x, y = 18.289, 80 to 18.388, 80 and new response = 830; previous integration is from x, y = 18.289, 80 to 18.388, 95 and previous response = 785.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/14/2022 11:28:08 AM	Manually integrate qualifier253.0 of compound Benzo(a)pyrene in sample Feb1112.D from x, y = 18.289, 141 to 18.351, 279; result = -274			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:28:09 AM	Snap baseline for qualifier 253.0 of compound Benzo(a)pyrene in sample Feb1112.D from x = 18.289 to x = 18.351, new integration is from x, y = 18.289, 85 to 18.351, 116 and new response = 131; previous integration is from x, y = 18.289, 141 to 18.351, 279 and previous response = -274.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:28:10 AM	Drop baseline for qualifier 253.0 of compound Benzo(a)pyrene in sample Feb1112.D to y = 85, new integration is from x, y = 18.289, 85 to 18.351, 85 and new response = 189; previous integration is from x, y = 18.289, 85 to 18.351, 116 and previous response = 131.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:28:14 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1112.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:28:25 AM	Manually integrate compound Chrysene in sample Feb1112.D, from x, y = 14.714, 695 to 14.851, 517, result = -987; previous integration is from x, y = 14.604, 72 to 14.714, 76 and previous response = 6932.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:28:26 AM	Snap baseline for compound Chrysene in sample Feb1112.D, from x = 14.714 to x = 14.851, new integration is from x, y = 14.714, 387 to 14.851, 128 and new response = 1879; previous integration is from x, y = 14.714, 695 to 14.851, 517 and previous response = -987.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:28:27 AM	Drop baseline for compound Chrysene in sample Feb1112.D to y = 128, new integration is from x, y = 14.714, 128 to 14.851, 128 and new response = 2943; previous integration is from x, y = 14.714, 387 to 14.851, 128 and previous response = 1879.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:28:30 AM	Zero out primary peak of compound Chrysene in sample Feb1112.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:28:37 AM	Manually integrate compound Acenaphthene in sample Feb1112.D, from x, y = 8.025, 235 to 8.088, 141, result = 333; previous integration is from x, y = 7.979, 144 to 8.088, 141 and previous response = 3639.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:28:39 AM	Drop baseline for compound Acenaphthene in sample Feb1112.D to y = 141, new integration is from x, y = 8.025, 141 to 8.088, 141 and new response = 509; previous integration is from x, y = 8.025, 235 to 8.088, 141 and previous response = 333.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:28:41 AM	Zero out primary peak of compound Acenaphthene in sample Feb1112.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:29:51 AM	Manually integrate compound Acenaphthene in sample Feb1113.D, from x, y = 8.025, 304 to 8.122, 140, result = 3573; previous integration is from x, y = 7.977, 148 to 8.122, 140 and previous response = 7146.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:29:52 AM	Drop baseline for compound Acenaphthene in sample Feb1113.D to y = 140, new integration is from x, y = 8.025, 140 to 8.122, 140 and new response = 4049; previous integration is from x, y = 8.025, 304 to 8.122, 140 and previous response = 3573.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:30:11 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1113.D, from x, y = 18.302, 174 to 18.363, 401, result = -515; previous integration is from x, y = 18.392, 90 to 18.524, 91 and previous response = 3550.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:30:12 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb1113.D, from x = 18.302 to x = 18.363, new integration is from x, y = 18.302, 84 to 18.363, 89 and new response = 231; previous integration is from x, y = 18.302, 174 to 18.363, 401 and previous response = -515.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:30:13 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb1113.D to y = 84, new integration is from x, y = 18.302, 84 to 18.363, 84 and new response = 241; previous integration is from x, y = 18.302, 84 to 18.363, 89 and previous response = 231.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:30:15 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1113.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:30:24 AM	Manually integrate compound Anthracene in sample Feb1113.D, from x, y = 9.842, 468 to 9.929, 715, result = 369; previous integration is from x, y = 9.744, 100 to 9.842, 127 and previous response = 4650.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:30:25 AM	Snap baseline for compound Anthracene in sample Feb1113.D, from x = 9.842 to x = 9.929, new integration is from x, y = 9.842, 179 to 9.929, 176 and new response = 2519; previous integration is from x, y = 9.842, 468 to 9.929, 715 and previous response = 369.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:30:26 AM	Drop baseline for compound Anthracene in sample Feb1113.D to y = 176, new integration is from x, y = 9.842, 176 to 9.929, 176 and new response = 2527; previous integration is from x, y = 9.842, 179 to 9.929, 176 and previous response = 2519.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/14/2022 11:30:32 AM	Manually integrate qualifier176.0 of compound Anthracene in sample Feb1113.D from x, y = 9.842, 160 to 9.916, 187; result = 72			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:30:33 AM	Snap baseline for qualifier 176.0 of compound Anthracene in sample Feb1113.D from x = 9.842 to x = 9.916, new integration is from x, y = 9.842, 94 to 9.916, 96 and new response = 422; previous integration is from x, y = 9.842, 160 to 9.916, 187 and previous response = 72.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:30:34 AM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1113.D to y = 94, new integration is from x, y = 9.842, 94 to 9.916, 94 and new response = 426; previous integration is from x, y = 9.842, 94 to 9.916, 96 and previous response = 422.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:30:38 AM	Zero out primary peak of compound Anthracene in sample Feb1113.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:30:46 AM	Manually integrate compound Chrysene in sample Feb1113.D, from x, y = 14.714, 540 to 14.838, 558, result = -1087; previous integration is from x, y = 14.607, 82 to 14.714, 99 and previous response = 6260.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:30:48 AM	Snap baseline for compound Chrysene in sample Feb1113.D, from x = 14.714 to x = 14.838, new integration is from x, y = 14.714, 324 to 14.838, 117 and new response = 1364; previous integration is from x, y = 14.714, 540 to 14.838, 558 and previous response = -1087.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:30:49 AM	Drop baseline for compound Chrysene in sample Feb1113.D to y = 117, new integration is from x, y = 14.714, 117 to 14.838, 117 and new response = 2137; previous integration is from x, y = 14.714, 324 to 14.838, 117 and previous response = 1364.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:30:55 AM	Zero out primary peak of compound Chrysene in sample Feb1113.D			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/14/2022 11:31:01 AM	Manually integrate qualifier 102.0 of compound Naphthalene in sample Feb1113.D, from x, y = 5.953, 420 to 6.028, 108, result = 393; previous integration is from x, y = 5.916, 105 to 6.028, 108 and previous response = 7486.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:31:02 AM	Drop baseline for qualifier 102.0 of compound Naphthalene in sample Feb1113.D to y = 108, new integration is from x, y = 5.953, 108 to 6.028, 108 and new response = 1093; previous integration is from x, y = 5.953, 420 to 6.028, 108 and previous response = 393.			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/14/2022 11:31:41 AM	Manually integrate compound Phenanthrene in sample Feb1113.D, from x, y = 9.780, 192 to 9.842, 127, result = 3858; previous integration is from x, y = 9.744, 100 to 9.842, 127 and previous response = 4650.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:31:42 AM	Drop baseline for compound Phenanthrene in sample Feb1113.D to y = 127, new integration is from x, y = 9.780, 127 to 9.842, 127 and new response = 3979; previous integration is from x, y = 9.780, 192 to 9.842, 127 and previous response = 3858.			✓	
CmdManuallyIntegrateP eak	BL2000\jheine	2/14/2022 11:32:10 AM	Manually integrate compound Fluorene in sample Feb1114.D, from x, y = 8.649, 91 to 8.723, 108, result = 626; previous integration is from x, y = 8.936, 94 to 9.060, 96 and previous response = 23706.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\jheine	2/14/2022 11:32:12 AM	Drop baseline for compound Fluorene in sample Feb1114.D to y = 91, new integration is from x, y = 8.649, 91 to 8.723, 91 and new response = 664; previous integration is from x, y = 8.649, 91 to 8.723, 108 and previous response = 626.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\jheine	2/14/2022 11:32:31 AM	Manually integrate qualifier165.0 of compound Fluorene in sample Feb1114.D from x, y = 8.649, 558 to 8.711, 1027; result = -1779			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:32:32 AM	Snap baseline for qualifier 165.0 of compound Fluorene in sample Feb1114.D from x = 8.649 to x = 8.711, new integration is from x, y = 8.649, 144 to 8.711, 168 and new response = 600; previous integration is from x, y = 8.649, 558 to 8.711, 1027 and previous response = -1779.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:32:32 AM	Drop baseline for qualifier 165.0 of compound Fluorene in sample Feb1114.D to y = 144, new integration is from x, y = 8.649, 144 to 8.711, 144 and new response = 645; previous integration is from x, y = 8.649, 144 to 8.711, 168 and previous response = 600.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\jheine	2/14/2022 11:32:55 AM	Manually integrate qualifier167.0 of compound Fluorene in sample Feb1114.D from x, y = 8.649, 105 to 8.699, 106; result = 89			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:33:31 AM	Zero out qualifier peak of compound Fluorene 167.0 in sample Feb1114.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:33:32 AM	Zero out primary peak of compound Fluorene in sample Feb1114.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:33:36 AM	Manually integrate compound Acenaphthene in sample Feb1114.D, from x, y = 8.026, 230 to 8.130, 139, result = 567; previous integration is from x, y = 7.979, 146 to 8.130, 139 and previous response = 3657.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:33:38 AM	Drop baseline for compound Acenaphthene in sample Feb1114.D to y = 139, new integration is from x, y = 8.026, 139 to 8.130, 139 and new response = 851; previous integration is from x, y = 8.026, 230 to 8.130, 139 and previous response = 567.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:33:39 AM	Zero out primary peak of compound Acenaphthene in sample Feb1114.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:33:45 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1114.D, from x, y = 18.289, 162 to 18.364, 270, result = -440; previous integration is from x, y = 18.376, 81 to 18.499, 97 and previous response = 3276.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:33:46 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb1114.D, from x = 18.289 to x = 18.364, new integration is from x, y = 18.289, 71 to 18.364, 83 and new response = 179; previous integration is from x, y = 18.289, 162 to 18.364, 270 and previous response = -440.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:33:47 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb1114.D to y = 71, new integration is from x, y = 18.289, 71 to 18.364, 71 and new response = 205; previous integration is from x, y = 18.289, 71 to 18.364, 83 and previous response = 179.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:33:49 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1114.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:33:54 AM	Manually integrate compound Chrysene in sample Feb1114.D, from x, y = 14.714, 371 to 14.801, 465, result = -601; previous integration is from x, y = 14.602, 65 to 14.714, 75 and previous response = 4741.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:33:56 AM	Snap baseline for compound Chrysene in sample Feb1114.D, from x = 14.714 to x = 14.801, new integration is from x, y = 14.714, 262 to 14.801, 121 and new response = 581; previous integration is from x, y = 14.714, 371 to 14.801, 465 and previous response = -601.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:33:57 AM	Drop baseline for compound Chrysene in sample Feb1114.D to y = 121, new integration is from x, y = 14.714, 121 to 14.801, 121 and new response = 950; previous integration is from x, y = 14.714, 262 to 14.801, 121 and previous response = 581.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:33:59 AM	Zero out primary peak of compound Chrysene in sample Feb1114.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:34:02 AM	Zero out primary peak of compound Benzo(a)Anthracene in sample Feb1114.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:34:19 AM	Manually integrate compound Fluorene in sample Feb1115.D, from x, y = 8.648, 110 to 8.698, 114, result = 263; previous integration is from x, y = 8.941, 108 to 9.060, 110 and previous response = 21865.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:34:21 AM	Zero out primary peak of compound Fluorene in sample Feb1115.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:34:25 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1115.D, from x, y = 18.301, 147 to 18.376, 327, result = -440; previous integration is from x, y = 18.378, 85 to 18.512, 92 and previous response = 3150.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:34:26 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb1115.D, from x = 18.301 to x = 18.376, new integration is from x, y = 18.301, 91 to 18.376, 83 and new response = 226; previous integration is from x, y = 18.301, 147 to 18.376, 327 and previous response = -440.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:34:27 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb1115.D to y = 83, new integration is from x, y = 18.301, 83 to 18.376, 83 and new response = 244; previous integration is from x, y = 18.301, 91 to 18.376, 83 and previous response = 226.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:34:28 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1115.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:34:35 AM	Manually integrate compound Acenaphthene in sample Feb1115.D, from x, y = 8.025, 200 to 8.075, 155, result = 282; previous integration is from x, y = 7.979, 159 to 8.075, 155 and previous response = 3106.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:34:36 AM	Drop baseline for compound Acenaphthene in sample Feb1115.D to y = 155, new integration is from x, y = 8.025, 155 to 8.075, 155 and new response = 350; previous integration is from x, y = 8.025, 200 to 8.075, 155 and previous response = 282.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:34:46 AM	Zero out primary peak of compound Acenaphthene in sample Feb1115.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:34:52 AM	Manually integrate compound Chrysene in sample Feb1115.D, from x, y = 14.714, 305 to 14.801, 497, result = -909; previous integration is from x, y = 14.605, 65 to 14.714, 75 and previous response = 3983.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:34:53 AM	Snap baseline for compound Chrysene in sample Feb1115.D, from x = 14.714 to x = 14.801, new integration is from x, y = 14.714, 215 to 14.801, 109 and new response = 342; previous integration is from x, y = 14.714, 305 to 14.801, 497 and previous response = -909.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:34:54 AM	Drop baseline for compound Chrysene in sample Feb1115.D to y = 109, new integration is from x, y = 14.714, 109 to 14.801, 109 and new response = 619; previous integration is from x, y = 14.714, 215 to 14.801, 109 and previous response = 342.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:35:07 AM	Zero out primary peak of compound Chrysene in sample Feb1115.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:35:30 AM	Manually integrate compound Fluorene in sample Feb1116.D, from x, y = 8.649, 82 to 8.711, 103, result = 268; previous integration is from x, y = 8.937, 94 to 9.060, 97 and previous response = 20953.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:35:31 AM	Drop baseline for compound Fluorene in sample Feb1116.D to y = 82, new integration is from x, y = 8.649, 82 to 8.711, 82 and new response = 308; previous integration is from x, y = 8.649, 82 to 8.711, 103 and previous response = 268.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:35:32 AM	Zero out primary peak of compound Fluorene in sample Feb1116.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:35:39 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1116.D, from x, y = 18.289, 146 to 18.363, 326, result = -519; previous integration is from x, y = 18.388, 75 to 18.524, 78 and previous response = 3483.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:35:40 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb1116.D, from x = 18.289 to x = 18.363, new integration is from x, y = 18.289, 66 to 18.363, 85 and new response = 195; previous integration is from x, y = 18.289, 146 to 18.363, 326 and previous response = -519.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:35:41 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb1116.D to y = 66, new integration is from x, y = 18.289, 66 to 18.363, 66 and new response = 238; previous integration is from x, y = 18.289, 66 to 18.363, 85 and previous response = 195.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:35:42 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1116.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:35:49 AM	Manually integrate compound Acenaphthene in sample Feb1116.D, from x, y = 8.013, 162 to 8.109, 137, result = 864; previous integration is from x, y = 7.981, 145 to 8.109, 137 and previous response = 3300.			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:35:58 AM	Manually integrate compound Acenaphthene in sample Feb1116.D, from x, y = 8.025, 192 to 8.109, 137, result = 260; previous integration is from x, y = 8.013, 162 to 8.109, 137 and previous response = 864.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:36:00 AM	Drop baseline for compound Acenaphthene in sample Feb1116.D to y = 137, new integration is from x, y = 8.025, 137 to 8.109, 137 and new response = 398; previous integration is from x, y = 8.025, 192 to 8.109, 137 and previous response = 260.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:36:12 AM	Zero out primary peak of compound Acenaphthene in sample Feb1116.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:36:18 AM	Manually integrate compound Chrysene in sample Feb1116.D, from x, y = 14.714, 353 to 14.789, 423, result = -676; previous integration is from x, y = 14.611, 65 to 14.714, 66 and previous response = 4235.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:36:19 AM	Snap baseline for compound Chrysene in sample Feb1116.D, from x = 14.714 to x = 14.789, new integration is from x, y = 14.714, 225 to 14.789, 116 and new response = 298; previous integration is from x, y = 14.714, 353 to 14.789, 423 and previous response = -676.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:36:20 AM	Drop baseline for compound Chrysene in sample Feb1116.D to y = 116, new integration is from x, y = 14.714, 116 to 14.789, 116 and new response = 543; previous integration is from x, y = 14.714, 225 to 14.789, 116 and previous response = 298.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:36:33 AM	Zero out primary peak of compound Chrysene in sample Feb1116.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:36:50 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1117.D, from x, y = 18.289, 130 to 18.363, 416, result = -737; previous integration is from x, y = 18.388, 78 to 18.524, 89 and previous response = 3264.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:36:51 AM	Snap baseline for compound Benzo(a)pyrene in sample Feb1117.D, from x = 18.289 to x = 18.363, new integration is from x, y = 18.289, 67 to 18.363, 77 and new response = 157; previous integration is from x, y = 18.289, 130 to 18.363, 416 and previous response = -737.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:36:52 AM	Drop baseline for compound Benzo(a)pyrene in sample Feb1117.D to y = 67, new integration is from x, y = 18.289, 67 to 18.363, 67 and new response = 179; previous integration is from x, y = 18.289, 67 to 18.363, 77 and previous response = 157.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:36:55 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1117.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:37:00 AM	Manually integrate compound Acenaphthene in sample Feb1117.D, from x, y = 8.025, 374 to 8.100, 496, result = -1093; previous integration is from x, y = 7.978, 97 to 8.138, 97 and previous response = 3110.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:37:01 AM	Snap baseline for compound Acenaphthene in sample Feb1117.D, from x = 8.025 to x = 8.100, new integration is from x, y = 8.025, 287 to 8.100, 123 and new response = -63; previous integration is from x, y = 8.025, 374 to 8.100, 496 and previous response = -1093.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:37:01 AM	Drop baseline for compound Acenaphthene in sample Feb1117.D to y = 123, new integration is from x, y = 8.025, 123 to 8.100, 123 and new response = 305; previous integration is from x, y = 8.025, 287 to 8.100, 123 and previous response = -63.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:37:22 AM	Zero out primary peak of compound Acenaphthene in sample Feb1117.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:37:30 AM	Manually integrate compound Chrysene in sample Feb1117.D, from x, y = 14.714, 315 to 14.814, 447, result = -1135; previous integration is from x, y = 14.609, 66 to 14.714, 71 and previous response = 3843.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:37:31 AM	Snap baseline for compound Chrysene in sample Feb1117.D, from x = 14.714 to x = 14.814, new integration is from x, y = 14.714, 227 to 14.814, 106 and new response = 146; previous integration is from x, y = 14.714, 315 to 14.814, 447 and previous response = -1135.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:37:32 AM	Drop baseline for compound Chrysene in sample Feb1117.D to y = 106, new integration is from x, y = 14.714, 106 to 14.814, 106 and new response = 507; previous integration is from x, y = 14.714, 227 to 14.814, 106 and previous response = 146.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:37:34 AM	Zero out primary peak of compound Chrysene in sample Feb1117.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:38:37 AM	Manually integrate compound Fluorene in sample Feb1118.D, from x, y = 8.649, 261 to 8.711, 1713, result = -1685; previous integration is from x, y = 8.941, 291 to 9.047, 302 and previous response = 19273.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:38:38 AM	Snap baseline for compound Fluorene in sample Feb1118.D, from x = 8.649 to x = 8.711, new integration is from x, y = 8.649, 261 to 8.711, 247 and new response = 1055; previous integration is from x, y = 8.649, 261 to 8.711, 1713 and previous response = -1685.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:38:38 AM	Drop baseline for compound Fluorene in sample Feb1118.D to y = 247, new integration is from x, y = 8.649, 247 to 8.711, 247 and new response = 1081; previous integration is from x, y = 8.649, 261 to 8.711, 247 and previous response = 1055.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:39:52 AM	Zero out primary peak of compound Fluorene in sample Feb1118.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:39:57 AM	Manually integrate compound Benzo(a)pyrene in sample Feb1118.D, from x, y = 18.289, 99 to 18.363, 121, result = 251; previous integration is from x, y = 18.389, 116 to 18.524, 126 and previous response = 3522.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:39:58 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1118.D			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:40:03 AM	Manually integrate compound Acenaphthene in sample Feb1118.D, from x, y = 8.025, 265 to 8.063, 270, result = 562; previous integration is from x, y = 7.988, 270 to 8.063, 270 and previous response = 3097.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:40:05 AM	Drop baseline for compound Acenaphthene in sample Feb1118.D to y = 265, new integration is from x, y = 8.025, 265 to 8.063, 265 and new response = 567; previous integration is from x, y = 8.025, 265 to 8.063, 270 and previous response = 562.			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:40:06 AM	Zero out primary peak of compound Acenaphthene in sample Feb1118.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:40:10 AM	Zero out primary peak of compound 2-Methylnaphthalene in sample Feb1118.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:40:12 AM	Zero out primary peak of compound Chrysene in sample Feb1118.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:40:14 AM	Zero out primary peak of compound 1-Methylnaphthalene in sample Feb1118.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:40:15 AM	Zero out primary peak of compound Naphthalene in sample Feb1118.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:40:25 AM	Zero out primary peak of compound Benzo(a)pyrene in sample Feb1119.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:40:28 AM	Zero out primary peak of compound Acenaphthene in sample Feb1119.D			✓	
CmdZeroOutPeak	BL2000\jheine	2/14/2022 11:40:29 AM	Zero out primary peak of compound Chrysene in sample Feb1119.D			✓	
CmdImportSamplesFromWorklist	BL2000\jheine	2/14/2022 11:42:58 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\Feb1120.D			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:43:11 AM	Set SampleType = CC for sample Feb1120.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 11:43:21 AM	Set LevelName = CCV for sample Feb1120.D; previous value =			✓	
CmdQuantitate	BL2000\jheine	2/14/2022 11:43:22 AM	Quantitate all compounds in sample Feb1120.D			✓	
CmdManuallyIntegrateSplit	BL2000\jheine	2/14/2022 11:44:06 AM	Split peak for compound 1-Methylnaphthalene in sample Feb1120.D and keep left peak, new integration is from x, y = 6.877, 147.15 to 6.965, 147.15 and new response = 40129, previous integration is from x, y = 6.877, 147 to 7.065, 147 and previous response = 42410.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/14/2022 11:44:09 AM	Set UserAnnotation = GT for compound 1-Methylnaphthalene in sample Feb1120.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\jheine	2/14/2022 11:44:50 AM	Manually integrate compound Benzo(g,h,i)perylene in sample Feb1120.D, from x, y = 20.464, 1659 to 20.625, 5450, result = 26325; previous integration is from x, y = 20.478, 1747 to 20.564, 1532 and previous response = 44929.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\jheine	2/14/2022 11:44:51 AM	Snap baseline for compound Benzo(g,h,i)perylene in sample Feb1120.D, from x = 20.464 to x = 20.625, new integration is from x, y = 20.464, 235 to 20.625, 642 and new response = 56360; previous integration is from x, y = 20.464, 1659 to 20.625, 5450 and previous response = 26325.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\jheine	2/14/2022 11:44:52 AM	Drop baseline for compound Benzo(g,h,i)perylene in sample Feb1120.D to y = 235, new integration is from x, y = 20.464, 235 to 20.625, 235 and new response = 58321; previous integration is from x, y = 20.464, 235 to 20.625, 642 and previous response = 56360.			✓	
CmdSetTargetCompoundAttribute	BL2000\jheine	2/14/2022 11:44:55 AM	Set UserAnnotation = BA for compound Benzo(g,h,i)perylene in sample Feb1120.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSaveBatchTable	BL2000\jheine	2/14/2022 11:45:06 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021122\1 e8270c bna SIM\QuantResults\021122 bna SIM 1.batch.bin			✓	
CmdSaveBatchTable	BL2000\jheine	2/14/2022 11:45:46 AM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021122\1 e8270c bna SIM\QuantResults\021122 bna SIM 1.batch.bin			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 12:16:49 PM	Set SampleApproved = True for sample Feb1101.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 12:16:50 PM	Set SampleApproved = True for sample Feb1102.D; previous value = False			✓	
CmdSaveBatchTable	BL2000\jheine	2/14/2022 2:08:42 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021122\1 e8270c bna SIM\QuantResults\021122 bna SIM 1.batch.bin			✓	
CmdOpenBatchTable	BL2000\jheine	2/14/2022 2:08:49 PM	Open batch \\MASSHUNTER\Org\Data\SV5975.I\sh 021122\1 e8270c bna SIM\021122 bna SIM 1.batch.bin			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:08:53 PM	Set SampleApproved = True for sample Feb1103.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:08:54 PM	Set SampleApproved = True for sample Feb1104.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:08:56 PM	Set SampleApproved = True for sample Feb1105.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:08:58 PM	Set SampleApproved = True for sample Feb1106.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:08:59 PM	Set SampleApproved = True for sample Feb1107.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:09:01 PM	Set SampleApproved = True for sample Feb1108.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:09:02 PM	Set SampleApproved = True for sample Feb1109.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:09:04 PM	Set SampleApproved = True for sample Feb1110.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:09:05 PM	Set SampleApproved = True for sample Feb1111.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:09:06 PM	Set SampleApproved = True for sample Feb1112.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:09:08 PM	Set SampleApproved = True for sample Feb1113.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:09:09 PM	Set SampleApproved = False for sample Feb1113.D; previous value = True			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:09:10 PM	Set SampleApproved = True for sample Feb1114.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:09:11 PM	Set SampleApproved = True for sample Feb1113.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:09:13 PM	Set SampleApproved = True for sample Feb1115.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:09:14 PM	Set SampleApproved = True for sample Feb1116.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\jheine	2/14/2022 2:09:20 PM	Set SampleApproved = True for sample Feb1120.D; previous value = False			✓	
CmdSaveBatchTable	BL2000\jheine	2/14/2022 2:09:32 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\QuantResults\021122 bna SIM 1.batch.bin			✓	
CmdQuantitate	BL2000\jheine	2/14/2022 2:09:47 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\jheine	2/14/2022 2:09:53 PM	Save batch \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\QuantResults\021122 bna SIM 1.batch.bin			✓	
GenerateReport	BL2000\jheine	2/14/2022 2:17:35 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Tests_for_LevelIV\Env_QuantResults_wGraphics+Chromatogram.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\QuantReports\			✓	
GenerateReport	BL2000\jheine	2/14/2022 2:25:11 PM	Generates report - Method: D:\Org\reports\GCMSSEMI Report Templates\Tests_for_LevelIV\Env_QuantResults_wGraphics+Chromatogram.m, Output Path: \\MASSHUNTER\Org\Data\SV5975.I\sh021122\1 e8270c bna SIM\QuantReports\			✓	

Prep Batch 163621 Standards Traceability Report

Spike ID: sv83514
Spike Name: Additionals
Prep Date: 9/22/2021
Exp Date: 10/1/2022
Department: GCMSPR
Vendor: AccuStandard
Lot Number: 22002155-02
Balance ID:
Comments: 12x1mL ampules

Type: Primary
Prep By: Ryan F. Benge
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Custom Semi-Volatile Standard	14279	1	mL	10/1/2022

Stock Source	Base Units	Amount Added

Prep Batch 163621 Standards Traceability Report

Spike ID: sv83604
Spike Name: BN Surr
Prep Date: 10/25/2021
Exp Date: 7/31/2027
Department: GCMSPR
Vendor: Restek
Lot Number: A0175748
Balance ID:
Comments: 6 ampules

Type: Primary
Prep By: Ryan F. Benge
Status: New
Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
B/N Surrogate Mix (4/89 SOW)	14431	5	mL	7/31/2027

Stock Source	Base Units	Amount Added

Prep Batch 163621 Standards Traceability Report

Spike ID: sv83608
Spike Name: 625 LCS
Prep Date: 11/29/2021
Exp Date: 9/15/2026
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 20x1 mL ampule

Type: Secondary
Prep By: Ryan F. Benge
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
CLP Semi-volatile calibration standard	14546		mL	9/15/2026

Stock Source	Base Units	Amount Added

Prep Batch 163621 Standards Traceability Report

Spike ID: sv83609
Spike Name: AE Surrogate
Prep Date: 11/29/2021
Exp Date: 3/6/2023
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 5x1 mL ampule

Type: Secondary
Prep By: Ryan F. Benge
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acid Surrogate	14527		mL	3/6/2023

Stock Source	Base Units	Amount Added

Prep Batch 163621 Standards Traceability Report

Spike ID: sv92706
Spike Name: BNA Surr
Prep Date: 12/22/2021
Exp Date: 3/31/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 2000/1000ug/mL

Type: Tertiary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ963	13755	17.5	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv83609	ug/mL	2.5 mL
sv83604	ug/mL	5 mL

Prep Batch 163621 Standards Traceability Report

Spike ID: sv92717
Spike Name: LL BNA Surr
Prep Date: 1/14/2022
Exp Date: 3/31/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 100/50 ug/mL

Type: Tertiary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 4 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ963	13755	3.8	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv92706	ug/mL	0.2 mL

Prep Batch 163621 Standards Traceability Report

Spike ID: sv92718
Spike Name: BNA Surr
Prep Date: 1/17/2022
Exp Date: 3/31/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 2000/1000ug/mL

Type: Tertiary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ963	13755	17.5	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv83609	ug/mL	2.5 mL
sv83604	ug/mL	5 mL

Prep Batch 163621 Standards Traceability Report

Spike ID: sv92809
Spike Name: LCS/Add Extractions
Prep Date: 2/7/2022
Exp Date: 7/22/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 100ug/mL. Spike 1mL into water.

Type: Secondary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	21.25	mL	7/22/2022

Stock Source	Base Units	Amount Added
sv83514	ug/mL	1.25 mL
sv83608	ug/mL	2.5 mL

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www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-14500-R2
Description: Custom Semi-Volatile Standard
Lot: 220021255-02
Solvent: Dichloromethane
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Aug 31, 2021
Expiration: Oct 1, 2022
Sample Size: 1 mL
Components: 10
Storage Condition: Freeze (<-10 °C)/Sonicate

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Pyridine	110-86-1	98.7	2026	2000
4-Chlorophenol	106-48-9	100.0	2019	2019
1-Methylnaphthalene	90-12-0	98.5	2003	1973
N-Nitrosodiphenylamine	86-30-6	100.0	2022	2022
4-Chloro-2-methylphenol	1570-64-5	97.0	2069*	2007
Benzoic acid	65-85-0	99.5	2010	2000
Aniline	62-53-3	98.0	2002	1962
Benzyl alcohol	100-51-6	99.9	2011	2009
Triallate	2303-17-5	99.9	2013	2011
o-Terphenyl	84-15-1	99.9	2019	2017

ID #: 14279
Opened:
Custom Semi-Volatile Standard
Expires: 10/1/2022
Rec'd: 9/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

This Certified Reference Material was verified in accordance with ISO/IEC 17025

* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

 See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ilac-MRA

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0175748

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

ID #: 14431
Opened:
B/N Surrogate Mix (4/89 SOW)
Expires: 7/31/2027
Rec'd: 10/25/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99%	(Lot PR-29940A)	5,027.3 µg/mL	+/- 29.2293 µg/mL +/- 226.4341 µg/mL +/- 251.2566 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99%	(Lot 00019169)	5,001.1 µg/mL	+/- 29.0767 µg/mL +/- 225.2518 µg/mL +/- 249.9447 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 **Purity** 99%	(Lot PR-30504)	5,001.4 µg/mL	+/- 29.0787 µg/mL +/- 225.2668 µg/mL +/- 249.9613 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

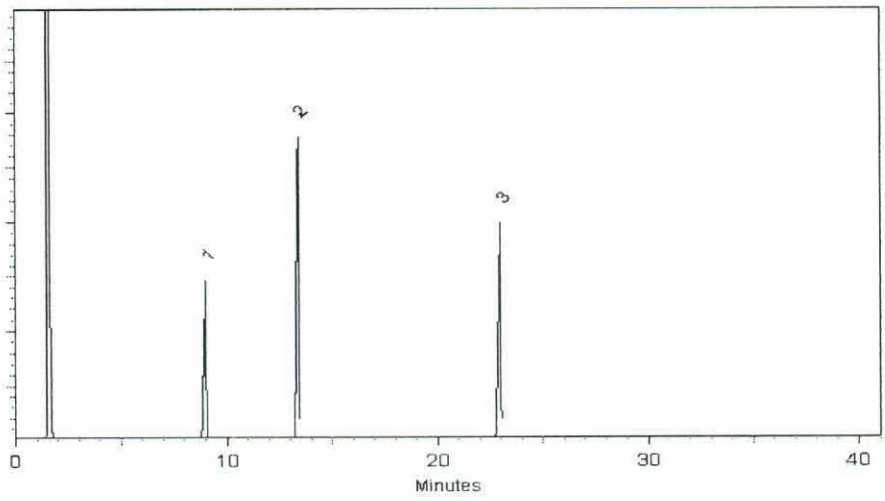
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 25-Aug-2021 **Balance:** B345965662

Marline Cowan - Operations Tech I

Date Passed: 27-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

125 Market Street
New Haven, CT 06513
USA

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CERTIFICATE OF ANALYSIS

Catalog No: CLP-AS-10X
Description: Acid Surrogate
Lot: 220031065
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Mar 6, 2020
Expiration: Mar 6, 2023
Sample Size: 1 mL
Components: 3
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (mg/mL)	Certified Analyte Concentration[1] (mg/mL)
2-Fluorophenol	367-12-4	99.8	20.20	20.16
Phenol-d5	4165-62-2	99.9	20.05	20.03
2,4,6-Tribromophenol	118-79-6	99.9	20.19	20.17

ID #: 14527
Opened:
Acid Surrogate
Expires: 3/6/2023
Rec'd: 11/17/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

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[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

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Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

CERTIFIED WEIGHT REPORT

Part Number: 92180
Lot Number: 091521
Description: CLP Semi-Volatile Calibration Standard
64 components
Expiration Date: 091526
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent: Methylene chloride **Lot#** 104929

Formulated By: Prashant Chauhan 091521 DATE

Reviewed By: Pedro L. Rentas 091521 DATE

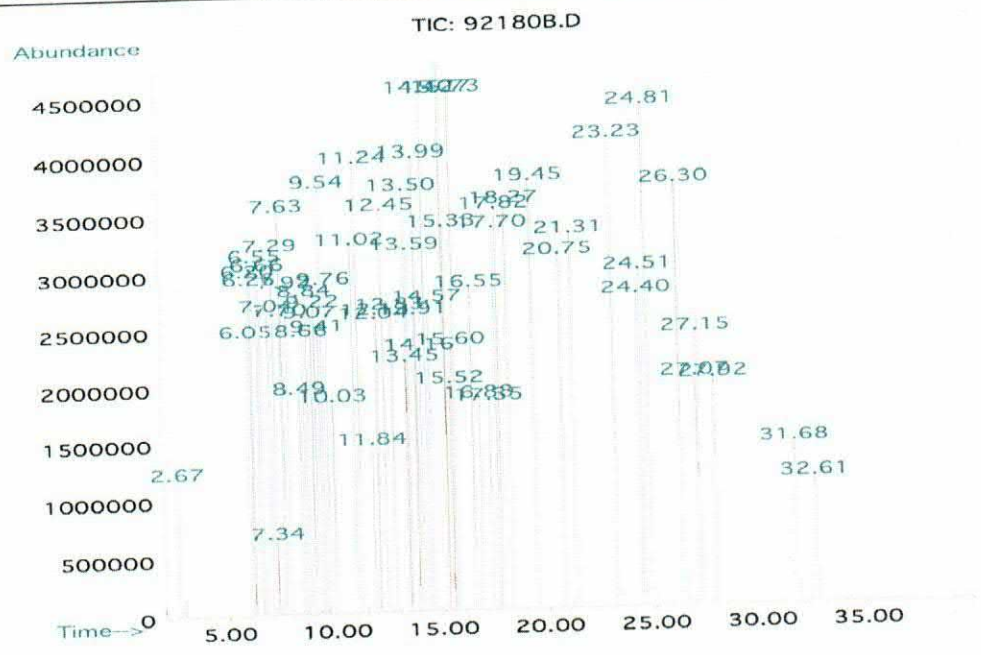
Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.003 Flask Uncertainty

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc (ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2,2'-Oxybis(1-chloropropane)	(0078)	012016AR	NA	NA	NA	1000	98.9	0.2	NA	0.10112	0.10129	1001.7	4.2	108-60-1	N/A	orl-rat 240mg/kg
2. Hexachlorobenzene	(0195)	051697	NA	NA	NA	1000	99	0.2	NA	0.10102	0.10128	1002.6	4.2	118-74-1	N/A	orl-rat 10g/kg
3. bis(2-Chloroethoxy) methane	10111	011214	0.05	5.00	20018.4	1000	NA	NA	0.017	NA	NA	1000.8	8.0	111-91-1	N/A	N/A
4. bis(2-Chloroethyl) ether	10111	011214	0.05	5.00	20012.4	1000	NA	NA	0.017	NA	NA	1000.5	8.0	111-44-4	15 ppm (90mg/m3/8H)(skin)	orl-rat 75mg/kg
5. bis(2-Ethylhexyl) phthalate	10111	011214	0.05	5.00	20014.3	1000	NA	NA	0.017	NA	NA	1000.6	8.0	117-81-7	5mg/m3/8H	orl-rat 30600mg/kg
6. 4-Bromophenyl phenyl ether	10111	011214	0.05	5.00	20008.8	1000	NA	NA	0.017	NA	NA	1000.3	8.0	101-55-3	N/A	N/A
7. Benzyl butyl phthalate	10111	011214	0.05	5.00	20011.3	1000	NA	NA	0.017	NA	NA	1000.5	8.0	85-68-7	N/A	orl-rat 2330mg/kg
8. 4-Chlorophenyl phenyl ether	10111	011214	0.05	5.00	20009.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	7005-72-3	N/A	N/A
9. Diethyl phthalate	10111	011214	0.05	5.00	20013.6	1000	NA	NA	0.017	NA	NA	1000.6	8.0	84-66-2	5mg/m3/8H	orl-rat 8600mg/kg
10. Dimethyl phthalate	10111	011214	0.05	5.00	20015.7	1000	NA	NA	0.017	NA	NA	1000.7	8.0	131-11-3	5mg/m3/8H	orl-rat 6800mg/kg
11. Di-n-butyl phthalate	10111	011214	0.05	5.00	20011.6	1000	NA	NA	0.017	NA	NA	1000.5	8.0	84-74-2	5mg/m3/8H	orl-rat 8000mg/kg
12. Di-n-octyl phthalate	10111	011214	0.05	5.00	20012.2	1000	NA	NA	0.017	NA	NA	1000.5	8.0	117-84-0	N/A	orl-rat 47000mg/kg
13. N-Nitrosodimethylamine	10111	011214	0.05	5.00	20010.0	1000	NA	NA	0.017	NA	NA	1000.4	8.0	62-75-9	N/A	orl-rat 58mg/kg
14. N-Nitrosodi-n-propylamine	10111	011214	0.05	5.00	20010.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	621-64-7	N/A	orl-rat 480mg/kg
15. 1,2-Diphenylhydrazine (as Azobenzene)	10112	042820	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.1	103-33-3	N/A	orl-rat 1000mg/kg
16. 2-Chloronaphthalene	10112	042820	0.05	5.00	20002.3	1000	NA	NA	0.017	NA	NA	1000.0	8.0	91-58-7	N/A	orl-rat 2078mg/kg
17. 1,2-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
18. 1,3-Dichlorobenzene	10112	042820	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	541-73-1	N/A	ipr-mus 1062mg/kg
19. 1,4-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
20. 2,4-Dinitrotoluene	10112	042820	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	121-14-2	1.5mg/m3/8H (skin)	orl-rat 268mg/kg
21. 2,6-Dinitrotoluene	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	606-20-2	1.5mg/m3/8H (skin)	orl-rat 177mg/kg
22. Hexachloro-1,3-butadiene	10112	042820	0.05	5.00	20009.4	1000	NA	NA	0.017	NA	NA	1000.4	12.4	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
23. Hexachlorocyclopentadiene	10112	042820	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	77-47-4	0.01 ppm (0.1mg/m3/8H)	orl-rat 1300mg/kg
24. Hexachloroethane	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
25. Isophorone	10112	042820	0.05	5.00	20003.8	1000	NA	NA	0.017	NA	NA	1000.1	8.1	78-59-1	25 ppm	orl-rat 2330mg/kg
26. Nitrobenzene	10112	042820	0.05	5.00	20004.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
27. 1,2,4-Trichlorobenzene	10112	042820	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
28. o-Cresol (2-Methylphenol)	10114	081919	0.05	5.00	20010.2	1000	NA	NA	0.017	NA	NA	1000.4	8.0	95-48-7	5 ppm (22mg/m3/8H)(skin)	orl-rat 121mg/kg
29. p-Cresol (4-Methylphenol)	10114	081919	0.05	5.00	20061.2	1000	NA	NA	0.017	NA	NA	1003.0	8.0	106-44-5	5 ppm (22mg/m3/8H)(skin)	orl-rat 207mg/kg
30. 2,4,5-Trichlorophenol	10114	081919	0.05	5.00	20023.2	1000	NA	NA	0.017	NA	NA	1001.1	8.0	95-95-4	N/A	orl-rat 820mg/kg
31. 4-Chloroaniline	10115	060512	0.05	5.00	20009.6	1000	NA	NA	0.017	NA	NA	1000.4	8.0	106-47-8	N/A	orl-rat 310mg/kg
32. Dibenzofuran	10115	060512	0.05	5.00	20020.2	1000	NA	NA	0.017	NA	NA	1000.9	8.0	132-64-9	N/A	N/A
33. 2-Methylnaphthalene	10115	060512	0.05	5.00	20012.9	1000	NA	NA	0.017	NA	NA	1000.5	8.1	91-57-6	N/A	orl-rat 1630mg/kg
34. 2-Nitroaniline	10115	060512	0.05	5.00	20011.8	1000	NA	NA	0.017	NA	NA	1000.5	8.0	88-74-4	N/A	orl-rat 1600mg/kg
35. 3-Nitroaniline	10115	060512	0.05	5.00	20018.6	1000	NA	NA	0.017	NA	NA	1000.8	8.0	99-09-2	N/A	orl-rat 535mg/kg
36. 4-Nitroaniline	10115	060512	0.05	5.00	20014.9	1000	NA	NA	0.017	NA	NA	1000.6	8.0	100-01-6	1 ppm (6mg/m3/8H)(skin)	orl-rat 750mg/kg
37. 4-Chloro-3-methylphenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	59-50-7	N/A	orl-rat 1830mg/kg
38. 2-Chlorophenol	10118	072120	0.05	5.00	20002.9	1000	NA	NA	0.017	NA	NA	1000.0	8.0	95-57-8	N/A	orl-rat 670mg/kg
39. 2,4-Dichlorophenol	10118	072120	0.05	5.00	20003.1	1000	NA	NA	0.017	NA	NA	1000.1	8.0	120-83-2	N/A	orl-rat 580mg/kg
40. 2,4-Dimethylphenol	10118	072120	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	105-67-9	N/A	orl-rat 3200mg/kg
41. 2,4-Dinitrophenol	10118	072120	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	51-28-5	N/A	orl-rat 30mg/kg
42. 4,6-Dinitro-2-methylphenol	10118	072120	0.05	5.00	20002.5	1000	NA	NA	0.017	NA	NA	1000.0	8.0	534-52-1	N/A	N/A
43. 2-Nitrophenol	10118	072120	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-75-5	N/A	orl-rat 334mg/kg
44. 4-Nitrophenol	10118	072120	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	100-02-7	N/A	orl-rat 250mg/kg
45. Pentachlorophenol	10118	072120	0.05	5.00	20002.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg
46. Phenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	108-95-2	5 ppm (19mg/m3/8H)(skin)	orl-rat 317mg/kg
47. 2,4,6-Trichlorophenol	10118	072120	0.05	5.00	20004.2	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-06-2	N/A	orl-rat 820mg/kg
48. Acenaphthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	83-32-9	N/A	ipr-rat 600mg/kg
49. Acenaphthylene	10007	042420	0.50	50.00	2000.2	1000	NA	NA	0.018	NA	NA	1000.0	4.2	208-96-8	N/A	N/A
50. Anthracene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.1	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
51. Benzo(a)anthracene	10007	042420	0.50	50.00	2001.3	1000	NA	NA	0.018	NA	NA	1000.6	4.2	56-55-3	N/A	N/A
52. Benzo(a)pyrene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
53. Benzo(b)fluoranthene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	205-99-2	N/A	N/A
54. Benzo(k)fluoranthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	207-08-9	N/A	N/A
55. Benzo(g,h,i)perylene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	191-24-2	N/A	N/A
56. Carbazole	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.0	4.2	86-74-8	N/A	ipr-mus 200mg/kg
57. Chrysene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	218-01-9	0.2mg/m3	N/A
58. Dibenzo(a,h)anthracene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	53-70-3	0.2mg/m3	N/A
59. Fluoranthene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.2	206-44-0	N/A	orl-rat 2000mg/kg
60. Fluorene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.3	4.2	86-73-7	N/A	ipr-mus 2 g/kg
61. Indeno(1,2,3-cd)pyrene	10007	042420	0.50	50.00	2000.1	1000	NA	NA	0.018	NA	NA	1000.0	4.1	193-39-5	N/A	N/A
62. Naphthalene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
63. Phenanthrene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
64. Pyrene	10007	042420	0.50	50.00	2001.0	1000	NA	NA	0.018	NA	NA	1000.4	4.2	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

ID #: 14546
Opened:
CLP Semi-volatile calibration standard
Expires: 9/15/2026
Rec'd: 11/23/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Method GC8MSD-2.M: Column:SBB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14 min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 290°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Melissa Stonier.



Peak No	Name	MSD RT (min.)
1	N-nitrosodimethylamine	2.67
2	Phenol	6.05
3	bis(2-Chloroethyl)ether	6.20
4	2-Chlorophenol	6.26
5	1,3-Dichlorobenzene	6.55
6	1,4-Dichlorobenzene	6.63
7	1,2-Dichlorobenzene	7.04
8	n-Cresol (2-methylphenol)	7.29
9	bis(2-Chloroisopropyl)ether	7.34
10	p-Cresol (4-methylphenol)/N-nitrosodi-n-propylamine	7.63
11	Hexachloroethane	7.70
12	Nitrobenzene	7.92
13	Isophorone	8.49
14	2-Nitrophenol	8.66
15	2,4-Dimethylphenol	8.84
16	bis(2-Chloroethoxy)methane	9.07
17	2,4-Dichlorophenol	9.22
18	1,2,4-Trichlorobenzene	9.41
19	Naphthalene	9.54
20	4-Chloroaniline	9.76
21	Hexachloro-1,3-Butadiene	10.03
22	4-Chloro-3-methylphenol	11.02
23	2-Methylnaphthalene	11.24
24	Hexachlorocyclopentadiene	11.84
25	2,4,6-Trichlorophenol	12.04
26	2,4,5-Trichlorophenol	12.13
27	2-Chloronaphthalene	12.45
28	2-Nitroaniline	12.84
29	Dimethyl phthalate	13.45
30	Acenaphthylene	13.50
31	2,6-Dinitrotoluene	13.59
32	3-Nitroaniline	13.91
33	Acenaphthene	13.99
34	2,4-Dinitrophenol	14.16
35	Dibenzofuran/4-Nitrophenol	14.46
36	2,4-Dinitrotoluene	14.57
37	Diethyl phthalate/Fluorene	15.22
38	4-Chlorophenyl phenyl ether	15.33
39	4-Nitroaniline	15.52
40	4,6-Dinitro-2-methylphenol	15.60
41	Azobenzene	15.73
42	4-Bromophenyl phenyl ether	16.56
43	Hexachlorobenzene	16.89
44	Pentachlorophenol	13.35
45	Phenanthrene	17.70
46	Anthracene	17.82
47	Carbazole	18.27
48	Di-n-butyl phthalate	19.45
49	Fluoranthene	20.75
50	Pyrene	21.31
51	Benzyl butyl phthalate	23.23
52	Benzo(a)anthracene	24.40
53	Chrysene	24.51
54	bis(2-Ehtylhexyl)phthalate	24.82
55	Di-n-octyl phthalate	26.30
56	Benzo(b)fluoranthene	27.07
57	Benzo(k)fluoranthene	27.15
58	Benzo(a)pyrene	27.92
59	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	31.68
60	Benzo(g,h,i)perylene	32.61

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv100418
Spike Name: BNA mix 200 ug/mL
Prep Date: 6/2/2021
Exp Date: 3/31/2022
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments:

Type: Secondary
Prep By: John P. Heine
Status: New
Final Volume: 1.5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	0.51	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv82908	ug/mL	0.03 mL
sv83301	ug/mL	0.15 mL
sv83120	ug/mL	0.15 mL
sv83419	ug/mL	0.15 mL
sv82917	ug/mL	0.15 mL
sv83410	ug/mL	0.15 mL
sv83407	ug/mL	0.06 mL
sv83201	ug/mL	0.15 mL

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv100506
Spike Name: BNA low 50 ug/mL
Prep Date: 6/2/2021
Exp Date: 3/31/2022
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments:

Type: Secondary
Prep By: John P. Heine
Status: New
Final Volume: 0.8 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	0.6	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv100418	ug/mL	0.2 mL

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv100703
Spike Name: BNA Internals 2000 ug/mL
Prep Date: 12/9/2021
Exp Date: 5/31/2022
Department: GCMSSEMI
Vendor: Chemservice
Lot Number: 8443500
Balance ID:
Comments:

Type: Secondary
Prep By: John P. Heine
Status: New
Final Volume: 2.12 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	1.06	mL	5/31/2022

Stock Source	Base Units	Amount Added
sv83403	ug/mL	1.06 mL

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv100801
Spike Name: BNA 2nd source 200ug/mL
Prep Date: 1/17/2022
Exp Date: 10/1/2022
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments:

Type: Secondary
Prep By: John P. Heine
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	540	uL	10/1/2022

Stock Source	Base Units	Amount Added
sv83514	ug/mL	0.1 mL
sv82702	ug/mL	0.02 mL
sv83218	ug/mL	0.1 mL
sv83512	ug/mL	0.2 mL
sv83411	ug/mL	0.04 mL

Analytical RunID SV5975.I_220207A Standards Traceability Report

Standard ID: sv82702
Standard Name: AE Surr
Prep Date: 8/28/2018
Exp Date: 4/30/2023
Department: GCMSPR
Vendor: Restek
Lot Number: A0137474
Balance ID:
Comments:

Type: Primary
Prep By: Craig A. Bardelli
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acid Surrogate Standard Mix (4/89)	10707	1	mL	4/30/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv82908
Spike Name: AE surr
Prep Date: 4/10/2019
Exp Date: 3/31/2022
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC2239
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
EPA 8270 Acids Surrogate Spike Mix HC	11383		mL	3/31/2022

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv82917
Spike Name: BNA Custom for Cal
Prep Date: 6/3/2019
Exp Date: 5/28/2023
Department: GCMSSEMI
Vendor: AccuStandard
Lot Number: 219051432
Balance ID:
Comments: Date prepaired is date received (10 1mL ampules) - recert from 6/21/21 to 5/28/23

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Custom BNA Mix	11547	1	mL	5/28/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83120
Spike Name: BN mix
Prep Date: 3/12/2020
Exp Date: 1/31/2023
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC4915
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL Base-Neutrals Mix	12503	1	mL	1/31/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83201
Spike Name: Phenols mix
Prep Date: 3/17/2020
Exp Date: 1/31/2028
Department: GCMSSEMI
Vendor: Restek
Lot Number: A0157111
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
604 Phenols Calibration Mix	12512		mL	1/31/2028

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83218
Spike Name: Benzidines
Prep Date: 7/7/2020
Exp Date: 5/1/2024
Department: GCMSSEMI
Vendor: AccuStandard
Lot Number: 220041353
Balance ID:
Comments: 2000 ug/mL 12839

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Benzidine & 3,3'-Dichlorobenzidine	12839	1	mL	5/1/2024

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83301
Spike Name: PAH Mix
Prep Date: 7/13/2020
Exp Date: 9/30/2022
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC3877
Balance ID:
Comments: 4 x 1mlL

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 6 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL PAH Mix	12846	6	mL	9/30/2022

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83403
Spike Name: BNA Internals 4000ug/mL
Prep Date: 12/29/2020
Exp Date: 5/31/2022
Department: GCMSSEMI
Vendor: Chemservice
Lot Number: 10051700
Balance ID:
Comments:

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 8 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Mixture #8-Internal Standards	13372	8	mL	5/31/2022

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Standard ID: sv83407
Standard Name: BN Surr 5000 ug/mL
Prep Date: 12/14/2020
Exp Date: 10/31/2026
Department: GCMSSEMI
Vendor: Restek
Lot Number: A0166081
Balance ID:
Comments:

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
B/N Surrogate Mix (4/89 SOW)	13328	1	mL	10/31/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83410
Spike Name: H.S. Mix
Prep Date: 4/7/2021
Exp Date: 2/28/2024
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC9004
Balance ID:
Comments: 2000 ug/mL

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
EPA TCL Hazardous Substances Mix (12 cmpds)	13691		mL	2/28/2024

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83411
Spike Name: BN surr
Prep Date: 4/7/2021
Exp Date: 11/20/2026
Department: GCMSSEMI
Vendor: Restek
Lot Number: A6167670
Balance ID:
Comments: 5000 ug/mL

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
B/N Surrogate Mix (4/89 SOW)	13666		mL	11/20/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83419
Spike Name: Benzidines CAL 2000ug/mL
Prep Date: 5/18/2021
Exp Date: 4/30/2023
Department: GCMSSEMI
Vendor: Agilent
Lot Number: 0006592783
Balance ID:
Comments: 2000 ug/mL

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Benzidines Standard	13854	1	mL	4/30/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83512
Spike Name: 625 LCS Spk
Prep Date: 7/30/2021
Exp Date: 2/2/2026
Department: GCMSPR
Vendor: Absolute Standards
Lot Number: 020221
Balance ID:
Comments: 12x1mL ampules

Type: Primary
Prep By: Ryan F. Benge
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
CLP Semivolatile Calibration Standard	14074	1	mL	2/2/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5975.I_220207A Standards Traceability Report

Spike ID: sv83514
Spike Name: Additionals
Prep Date: 9/22/2021
Exp Date: 10/1/2022
Department: GCMSPR
Vendor: AccuStandard
Lot Number: 22002155-02
Balance ID:
Comments: 12x1mL ampules

Type: Primary
Prep By: Ryan F. Benge
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Custom Semi-Volatile Standard	14279	1	mL	10/1/2022

Stock Source	Base Units	Amount Added

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31063 **Lot No.:** A0137474

Description : Acid Surrogate Standard Mix (4/89)

Acid Surrogate Standard Mix (4/89) 10,000 µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2023 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95 % C.L.; K=2)		
1	2-Fluorophenol		10,046.4 µg/mL	+/- 58.8239	µg/mL	Gravimetric
	CAS # 367-12-4	(Lot STBD7945V)		+/- 293.2702	µg/mL	Unstressed
	Purity 99%			+/- 355.8400	µg/mL	Stressed
2	Phenol-d6		10,023.6 µg/mL	+/- 58.6904	µg/mL	Gravimetric
	CAS # 13127-88-3	(Lot PR-27801)		+/- 292.6047	µg/mL	Unstressed
	Purity 99%			+/- 355.0324	µg/mL	Stressed
3	2,4,6-Tribromophenol		10,057.2 µg/mL	+/- 58.8871	µg/mL	Gravimetric
	CAS # 118-79-6	(Lot 29699MJV)		+/- 293.5855	µg/mL	Unstressed
	Purity 99%			+/- 356.2225	µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

ID #: 10707
Opened:
Acid Surrogate Standard Mix (4/89)
Expires: 4/30/2023
Rec'd: 8/24/2018
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

Certificate of Analysis

EPA 8270 ACIDS SURROGATE SPIKE MIX HC,1X1ML,10MG/ML,METHANOL

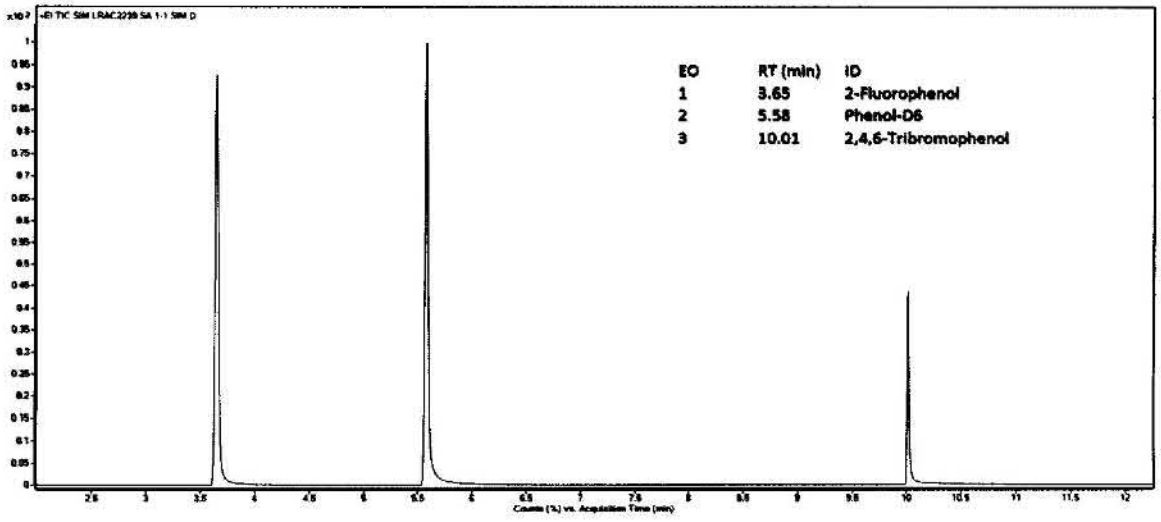
Certified Reference Material

Description

Product ID 47260-U
Lot LRAC2239
Expiration Date March 2022
Manufacturing Date March 2019
Storage Conditions Room Temperature
Solvent/Matrix METHANOL

Certified Values

Analyte	*Units*	*Certified Value* [1,4]	*Raw Material Purity,%*	*Analytical Value*	*Elution order*	*Raw Material Lot*	*CAS*
2-FLUOROPHENOL	µg/mL	9930 ± 288	99.9	10037	1	LB92543	367-12-4
PHENOL-D6	µg/mL	9930 ± 290	99.4	9900	2	LB91168	13127-88-3
2,4,6-TRIBROMOPHENOL	µg/mL	9930 ± 318	99.7	9900	3	LB81262	118-79-6



Additional Information:
Analytical Method Parameters:

Column: SLB-5MS, 30 m x 0.25 mm x 0.25 µm df , Flow: 1.0 ml/min
Inlet: 200 °C, Injection Mode: Split, 60:1
80 °C (5 min) to 250 °C (3 min) at 40 °C /min
Detector: MSD, SIM, Transfer line: 250 °C
Injection Volume: 0.5 µL

ID #: 11383
Opened:
EPA 8270 Acids Surrogate Spike Mix HC
Expires: 3/31/2022
Rec'd: 4/10/2019
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED TESTING LABORATORY

SIGMA-ALDRICH®
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
307-742-5452
rtotechgroup@sial.com www.sigma-aldrich.com

125 Market Street
New Haven, CT 06513
USA

AccuStandard® Inc.

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-6237A-R1
Description: Custom BNA Mix
Lot: 219051432-01
Solvent: Dichloromethane
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Apr 28, 2021
Expiration: May 28, 2023
Sample Size: 1 mL
Components: 6
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED AR-1463 ANAB ACCREDITED AT-1339 ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
4-Chloro-2-methylphenol	1570-64-5	97.0	2064*	2002
4-Chlorophenol	106-48-9	98.6	2012	1984
1-Methylnaphthalene	90-12-0	99.7	2016	2010
Pyridine	110-86-1	98.7	2003	1977
o-Terphenyl	84-15-1	99.9	2003	2001
Triallate	2303-17-5	99.9	2013	2011

ID #: 11547
Opened:
Custom BNA Mix
Expires: 5/28/2023
Rec'd: 5/31/2019
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

Certificate of Analysis

TCL BASE-NEUTRALS MIX,1X1ML,2000UG/ML,DICHLOROMETHANE

Certified Reference Material

Description

Product ID 47991-U
Lot LRAC4915
Expiration Date January 2023
Manufacturing Date January 2020
Storage Conditions Refrigerate
Solvent/Matrix DICHLOROMETHANE

Certified Values

Analyte	Certified [1,4] Value	Units	Raw Material Purity,%	Elution order	Raw Material Lot	CAS
N-NITROSODIMETHYLAMINE	1999 ± 39	µg/mL	98.1	1	11-RFS-142-1	62-75-9
BIS (2-CHLOROETHYL) ETHER	2003 ± 42	µg/mL	99.4	2	06413MS	111-44-4
1,3-DICHLOROBENZENE	2001 ± 47	µg/mL	99.6	3	11221HC	541-73-1
1,4-DICHLOROBENZENE	2000 ± 66	µg/mL	99.9	4	MKBG7690V	106-46-7
1,2-DICHLOROBENZENE	2005 ± 65	µg/mL	99.4	5	LB58923	95-50-1
BIS (2-CHLOROISOPROPYL) ETHER	2000 ± 45	µg/mL	96.7	6	LC19632	108-60-1
N-NITROSODI-N-PROPYLAMINE	2001 ± 36	µg/mL	100.0	7	2D5VJ-PB	621-64-7
HEXACHLOROETHANE	2000 ± 125	µg/mL	99.9	8	12719AO	67-72-1
NITROBENZENE	2000 ± 53	µg/mL	99.9	9	LB47070	98-95-3
ISOPHORONE	1999 ± 34	µg/mL	99.5	10	LC14006	78-59-1
BIS (2-CHLOROETHOXY) METHANE	2000 ± 33	µg/mL	98.7	11	LB46081	111-91-1
1,2,4-TRICHLOROBENZENE	2003 ± 91	µg/mL	99.9	12	447	120-82-1
HEXACHLOROBUTADIENE	1999 ± 97	µg/mL	97.2	13	MKCG6212	87-68-3
HEXACHLOROCYCLOPENTADIENE	2001 ± 111	µg/mL	96.0	14	LB95525	77-47-4
2-CHLORONAPHTHALENE	2000 ± 120	µg/mL	99.9	15	LC11403	91-58-7
DIMETHYL PHTHALATE	2006 ± 44	µg/mL	99.9	16	LB30494	131-11-3
2,6-DINITROTOLUENE	2000 ± 91	µg/mL	99.2	17	11231AN	606-20-2
2,4-DINITROTOLUENE	2000 ± 71	µg/mL	98.9	18	12316HF	121-14-2
DIETHYL PHTHALATE	1998 ± 51	µg/mL	99.9	19	207	84-66-2
4-CHLOROPHENYLPHENYL ETHER	2006 ± 52	µg/mL	99.3	20	JS00081	7005-72-3
N-NITROSODIPHENYLAMINE	2000 ± 72	µg/mL	95.5	21	LC07185	86-30-6
AZOBENZENE	2000 ± 48	µg/mL	98.2	22	BCBS6535V	103-33-3
4-BROMOPHENYLPHENYL ETHER	2006 ± 48	µg/mL	99.0	23	05916LS	101-55-3

ANAB ACCREDITED

ID #: 12503
Opened:
TCL Base-Neutrals Mix
Expires: 1/31/2023
Rec'd: 3/12/2020
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
800-325-5832
TechService@milliporesigma.com www.sigma-aldrich.com

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31029 **Lot No.:** A0157111

Description : 604 Phenols Calibration Mix

604 Calibration Std Phenols 2000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

ID #: 12512
Opened:
604 Phenols Calibration Mix
Expires: 1/31/2028
Rec'd: 3/17/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L., K=2)	
1	Phenol **CAS #** 108-95-2 (Lot SHBF9719V) **Purity** 99%	2,004.0 µg/mL	+/- 11.9032 µg/mL +/- 58.5341 µg/mL +/- 71.0092 µg/mL	Gravimetric Unstressed Stressed
2	2-Chlorophenol **CAS #** 95-57-8 (Lot STBH7290) **Purity** 99%	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 58.4173 µg/mL +/- 70.8674 µg/mL	Gravimetric Unstressed Stressed
3	2-Nitrophenol **CAS #** 88-75-5 (Lot BCBH7602V) **Purity** 99%	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 58.4173 µg/mL +/- 70.8674 µg/mL	Gravimetric Unstressed Stressed
4	2,4-Dimethylphenol **CAS #** 105-67-9 (Lot 10165155) **Purity** 99%	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 58.4173 µg/mL +/- 70.8674 µg/mL	Gravimetric Unstressed Stressed
5	2,4-Dichlorophenol **CAS #** 120-83-2 (Lot BCBJ8113V) **Purity** 99%	2,004.0 µg/mL	+/- 11.9032 µg/mL +/- 58.5341 µg/mL +/- 71.0092 µg/mL	Gravimetric Unstressed Stressed
6	4-Chloro-3-methylphenol **CAS #** 59-50-7 (Lot STBC7309V) **Purity** 99%	2,004.0 µg/mL	+/- 11.9032 µg/mL +/- 58.5341 µg/mL +/- 71.0092 µg/mL	Gravimetric Unstressed Stressed
7	2,4,6-Trichlorophenol **CAS #** 88-06-2 (Lot STBH7520) **Purity** 99%	2,002.0 µg/mL	+/- 11.8913 µg/mL +/- 58.4757 µg/mL +/- 70.9383 µg/mL	Gravimetric Unstressed Stressed

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

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Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED INTERMEDIATE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
Benzidine **	92-87-5	99.9	2004	2002
3,3'-Dichlorobenzidine **	91-94-1	100.0	2001	2001

ID #: 12839
Opened:_____
Benzidine & 3,3'-Dichlorobenzidine
Expires: 5/1/2024
Rec'd: 7/7/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

**Benzidine and 3,3'-Dichlorobenzidine are subject to oxidative degradation

**Benzidine and 3,3'-Dichlorobenzidine are subject to oxidative degredation

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Certified By: _____
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

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Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2

T-TEST

AccuStandard, Inc.
Statistical Report for CLP (SOW 1991)
1-May-2020

QR-QCO-003 rev. 1/16

Peak #	Component	Z-014F 220041353 Run #1	Run #2	Run #3	Run #4	Mean	Std Dev	% RSD	Z-014F 220031213 Run #1	Run #2	Run #3	Run #4	Mean	Std Dev	% RSD	NOTES: L-025 test	CI 220041353 Component	CI	# of Runs	10 % error check of Conc. means
1	Benzidine (92-87-5)	90	83	79	78	83	5.45	6.60%	84	84	80	76	81	3.83	4.73%	0.45	20.7	21.9	4	2000	2 %
2	3,3'-Dichlorobenzidine (91-94-1)	104	96	93	91	96	5.72	5.95%	98	99	94	89	95	4.27	4.51%	0.55	20.9	15.8	4	2000	1 %

For use in routine laboratory analysis.

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New Haven, CT 06513
USA

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Fax (203)786-5287
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CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2

Chromatogram

```
File       :D:\MassHunter\GCMS\1\DATA\043020\14-  220041353.D
Operator   : Organic QC Lab
Acquired   : 30 Apr 2020  17:16     using AcqMethod CHICK_2019_S100.M
Instrument :   GCMS 6
Sample Name: Z-014F  (220041353)
Misc Info  : Z-014F @2000ug/mL in Methanol
Vial Number: 138
```

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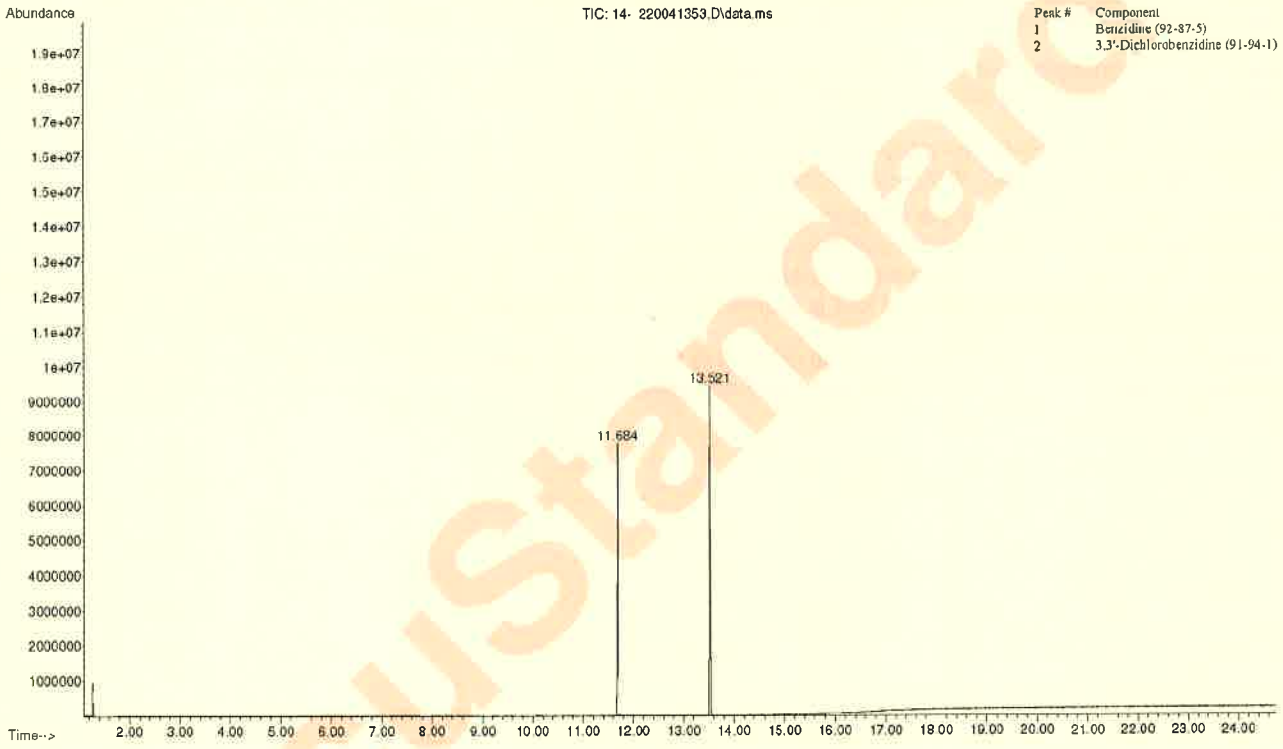
Leader in Analytical Reference Standards

Column: . DB-5MS, 30m, 0.25 ID, 0.25 um
Oven Program: 80c 17c/min to 340c, 8min
GC Parameters: Cons. Split, 12psi constant flow
Split 100:1, 1uL inj.; GC/MS; INJ 270c



Peak #	Component
1	Benzidine (92-87-5)
2	3,3'-Dichlorobenzidine (91-94-1)

For use in routine laboratory analysis.

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New Haven, CT 06513
USA

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CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2

RAW DATA

```
Data Path : D:\MassHunter\GCMS\1\DATA\043020\
Data File : 14-  220041353.D
Acq On    : 30 Apr 20  05:16 pm
Operator  : Organic QC Lab
Sample    : Z-014F  (220041353)
Misc      : Z-014F @2000ug/mL in Methanol
ALS Vial  : 138   Sample Multiplier: 1

Integration Parameters: events.e
Integrator: ChemStation

Method    : D:\MassHunter\GCMS\1\methods\CHICK_2019.M
Title     :

Signal     : TIC: 14-  220041353.D\data.ms
```

Peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.684	2371	2386	2399	PV	7555441	90932217	86.94%	46.506%
2	13.521	2790	2799	2825	BB	9071921	104594086	100.00%	53.494%

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

QR-ORG/INC-001
Rev. 5/18

Certificate of Analysis

TCL PAH
MIX,1X1ML,2000UG/ML,BENZENE:DICHLOROMETHANE

Certified Reference Material

Description

Product ID CRM48905
Lot **LRAC3877**
Expiration Date September 2022
Manufacturing Date September 2019
Storage Conditions Refrigerate
Solvent/Matrix methylene chloride: benzene (1:1)

Certified Values

Analyte	*Certified Value* [1,4]	*Units*	*Raw Material Purity,%*	*Analytical Value* [6]	*Elution order*	*Raw Material Lot*	*CAS*
NAPHTHALENE	2000 ± 32	µg/mL	100.0	2022	01	01112017-5	91-20-
ACENAPHTHYLENE	2000 ± 66	µg/mL	99.8	2005	02	LC21494	208-96-
ACENAPHTHENE	2000 ± 63	µg/mL	99.9	2031	03	MKCC8329	83-32-
FLUORENE	2000 ± 90	µg/mL	99.4	2009	04	LC19126	86-73-
PHENANTHRENE	2000 ± 56	µg/mL	99.6	2043	05	MKCD3760	85-01-
ANTHRACENE	2000 ± 39	µg/mL	99.9	2005	06	LC14310	120-12-
FLUORANTHENE	2000 ± 69	µg/mL	98.5	2031	07	LB99099	206-44-
PYRENE	2000 ± 68	µg/mL	91.6	2078	08	LB70761	129-00-
BENZO (A) ANTHRACENE	2000 ± 63	µg/mL	99.9	2002	09	LC19271	56-55-
CHRYSENE	2000 ± 59	µg/mL	99.0	2026	10	21L74	218-01-
BENZO (B) FLUORANTHENE	2000 ± 62	µg/mL	99.5	1998	11	LB95773	205-99-
BENZO (K) FLUORANTHENE	2000 ± 62	µg/mL	99.9	2043	12	0000029501	207-08-
BENZO(A)PYRENE	2002 ± 64	µg/mL	99.6	2037	13	LB73826	50-32-
DIBENZ (A,H) ANTHRACENE	2000 ± 64	µg/mL	99.0	2050	14	0012014	53-70-
BENZO (G,H,I) PERYLENE	2000 ± 67	µg/mL	98.5	2059	15	LC19498	191-24-
INDENO (1,2,3-CD) PYRENE	2000 ± 64	µg/mL	99.5	1995	16	ER082107-02	193-39-

ID #: 12846
Opened:
TCL PAH
Expires: 9/30/2022
Rec'd: 7/13/2020
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

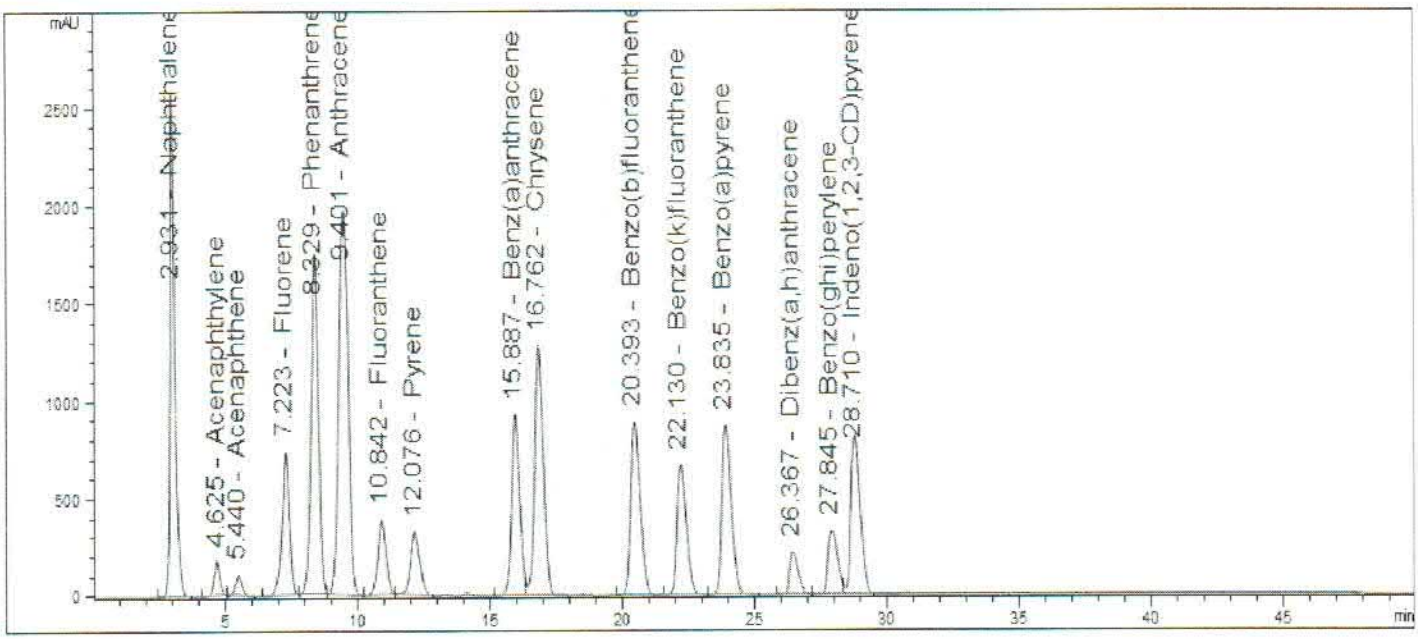
ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
307-742-5452
rtctechgroup@sial.com
www.sigma-aldrich.com

Description

Lot LRAC3877
Expiration Date September 2022
Manufacturing Date September 2019
Storage Conditions Refrigerate
Solvent/Matrix methylene chloride: benzene (1:1)

Informational Values



Additional Information:

Analytical Method Parameters:
Column: Supelco LC-PAH, 250 mm x 4.6mm, 5µm particle size
Mobile Phase A: Water
Mobile Phase B: Acetonitrile
Detector: UV/DAD/VWD, Wavelength: 254 nm
Flow Rate: 1.7 mL/min
Column Temperature: 30 °C
Injection Volume: 2 µL

Gradient

TIME (min)	A%	B%
0	40	60
5	40	60
30	0	100
45	0	100
50	40	60

Certificate of Analysis

TCL PAH
MIX,1X1ML,2000UG/ML,BENZENE:DICHLOROMETHANE

Certified Reference Material

Description

Product ID CRM48905
Lot **LRAC3877**
Expiration Date September 2022
Manufacturing Date September 2019
Storage Conditions Refrigerate
Solvent/Matrix methylene chloride: benzene (1:1)

1 **Metrological traceability:** Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
4 Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u^2_{char} + u^2_{hom.\ ogeneity} + u^2_{stability}}$$

k: Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence interval** = 95%

6 Analytical Value- For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

Traceability: The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were preformed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Homogeneity: Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

Expiration is at end of month given on certificate and label.

THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH **ISO/IEC 17025:2017 (ANAB Cert AT-1467)** and **ISO 17034:2016 (ANAB Cert AR-1470).**

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Certification Date October 17, 2019
Version 0-10172019

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
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Fax: (814)353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0166081

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2026 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

ID #: 13328
Opened:
B/N Surrogate Mix (4/89 SOW)
Expires: 10/31/2026
Rec'd: 12/14/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99% (Lot PR-29940B)	5,017.7 µg/mL	+/- 29.1731 µg/mL +/- 225.9987 µg/mL +/- 250.7735 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99% (Lot 00019169)	5,049.7 µg/mL	+/- 29.3592 µg/mL +/- 227.4400 µg/mL +/- 252.3728 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 **Purity** 99% (Lot PR-27278)	5,029.9 µg/mL	+/- 29.2444 µg/mL +/- 226.5505 µg/mL +/- 251.3857 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

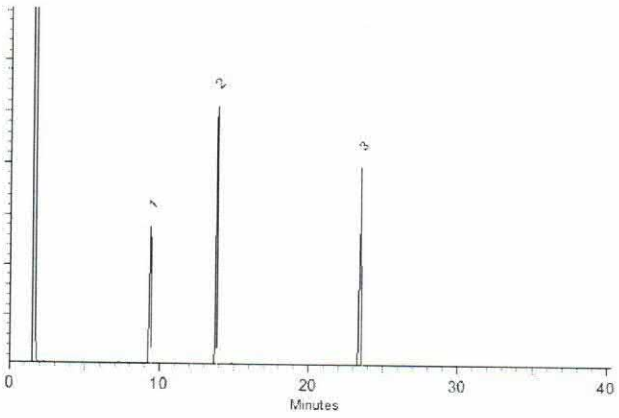
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dalton Stover - Operations Technician I

Date Mixed: 04-Nov-2020 **Balance:** 1128353505

Justine Albertson - Operations Tech-ARM QC

Date Passed: 06-Nov-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

ID #: 13372
Opened:
Mixture #8-Internal Standards
Expires: 5/31/2022
Rec'd: 12/29/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFICATE OF ANALYSIS

Mixture #8-Internal Standards

CONCENTRATION	4000ug/ml in Methylene chloride
CATALOG NUMBER	M-PPHC8X12-1ML
LOT NUMBER	10051700
DATE CERTIFIED	05/13/20
EXPIRATION DATE	05/31/22
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratoy use only.
ISO 17034:2016 CERTIFIED	[X]

ID	Analyte	CAS	Weight Analyte (mg)	Lot	Purity	Certified Concentration (ug/mL)
N-11000	Acenaphthene-d10	15067-26-2	1005.50	00027326	99.50	4001.9
N-11467	Chrysene-d12	1719-03-5	1012.20	00027327	98.80	4000.2
N-10217	1,4-Dichlorobenzene-d4	3855-82-1	1004.10	00027328	99.50	3996.3
N-12645	Naphthalene-d8	1146-65-2	1006.50	00025577	99.50	4005.9
N-12851	Perylene-d12	1520-96-3	1009.50	00027330	99.50	4017.8
N-12856	Phenanthrene-d10	1517-22-2	1021.10	00027331	99.00	4043.6

Analytical Test	Value
CONCENTRATION (GC/FID)	VERIFIED

Instructions for Use:
Shake mixture prior to use. If particles are present, sonicate for homogeneity. If sample is diluted to lower concentrations, Class A volumetric glassware must be used.
Minimum Sample Size- 0.2 uL for Direct Injection.
Chem Service Inc. guarantees the expanded uncertainty of the above analytes to be +/- 2.0% of the certified concentrations based on gravimetric preparation. The test results published in this report were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). The reported expanded uncertainty of measurement is stated as the combined standard uncertainty of measurement multiplied by the coverage factor k (k=2) such that the coverage probability corresponds to approximately 95%. For certified reference materials, homogeneity and thermal stability testing are available upon request.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

Chem Service is accredited to ISO 17034:2016, ISO/IEC 17025:2017 and certified to ISO 9001:2015

PJLA Reference Material Producer
PJLA Testing

COA Form
Revision 3 (3/2015)

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

Gas

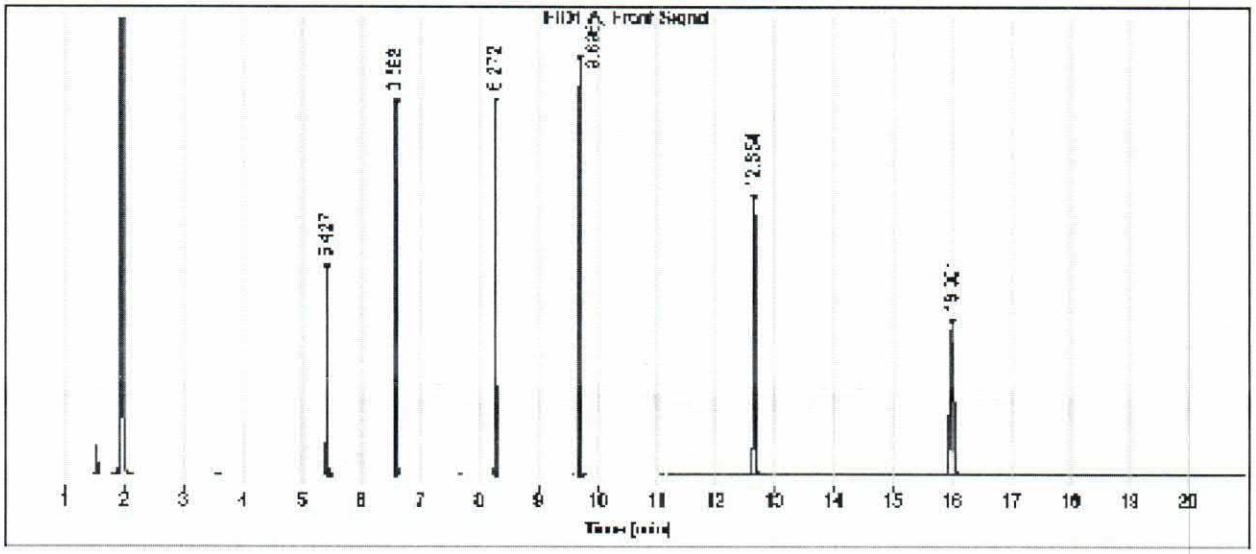
Data file: C:\CHEM32

Sample name: M-PPCH8X

CERTIFICATE OF ANALYSIS

Instrument: GC 2
Injection date: 5/13/2020 8:56:25 AM
Acq. method: M-PPHC8X12.M
Column name: HP-5

Sample type: Sample
Location: Vial 3
Injection volume: 1.0uL



Signal: FID1 A, Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
5.427	BB	0.0181	1240.1130	1041.0874	8.36
6.593	BB	0.0189	2274.8877	1876.2654	15.33
8.272	BB	0.0196	2371.0022	1868.8049	15.98
9.696	BV	0.0197	2694.9399	2106.0442	18.16
12.654	BB	0.0330	2999.0918	1397.3110	20.21
16.001	BB	0.0562	3260.5679	751.0330	21.97
		Sum	14840.6025		

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31062 **Lot No.:** A0167670

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 4/89(SOW) 5000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940B) **Purity** 99%	5,014.0 µg/mL	+/- 29.3583 µg/mL +/- 225.8621 µg/mL +/- 250.6163 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00019169) **Purity** 99%	5,019.6 µg/mL	+/- 29.3911 µg/mL +/- 226.1143 µg/mL +/- 250.8962 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-27278) **Purity** 99%	5,020.6 µg/mL	+/- 29.3967 µg/mL +/- 226.1576 µg/mL +/- 250.9442 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

ID #: 13666
Opened:
B/N Surrogate Mix (4/89 SOW)
Expires: 11/30/2026
Rec'd: 3/19/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

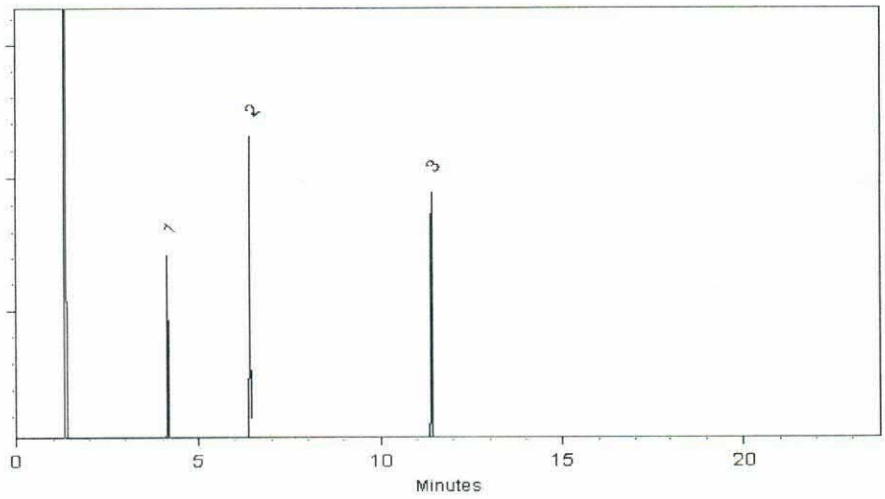
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGinnl - Operations Tech I

Date Mixed: 30-Dec-2020 **Balance:** 1128353505

Alexis Shelow - Operations Tech I

Date Passed: 06-Jan-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

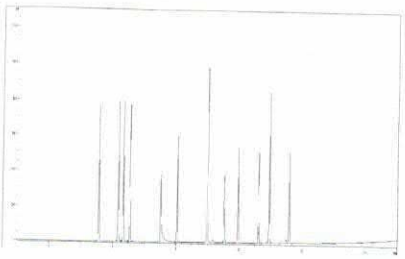
Supelco®

www.sigmaaldrich.com

Certificate of Analysis - Certified Reference Material

EPA TCL Hazardous Substances Mix (12 cmpds)

Product no.: 47990-U
Lot no.: LRAC9004
Expiry Date: February 2024
Manufacturing Date: February 2021
Storage: Refrigerate
Solvent/Matrix: Dichloromethane
Certificate version: LRAC9004.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*



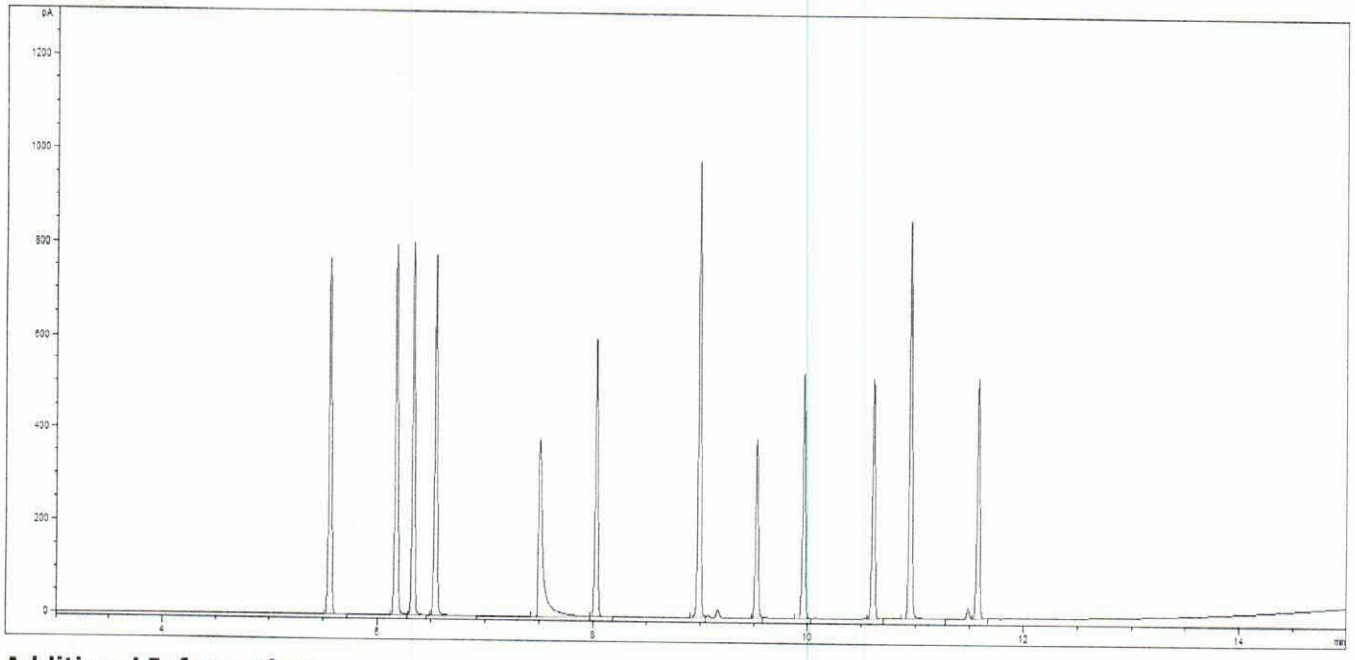
Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Elution order*	*Raw Material Lot*
ANILINE CAS# 62-53-3	2022 ± 25	µg/mL	99.9	01	LA41596
BENZYL ALCOHOL CAS# 100-51-6	2022 ± 15	µg/mL	99.7	02	LB99705
2-METHYLPHENOL CAS# 95-48-7	2022 ± 14	µg/mL	99.9	03	LB91878
4-METHYLPHENOL CAS# 106-44-5	2022 ± 17	µg/mL	99.9	04	LB32518
BENZOIC ACID CAS# 65-85-0	2021 ± 27	µg/mL	98.8	05	442-137B
4-CHLOROANILINE CAS# 106-47-8	2022 ± 32	µg/mL	100.0	06	MKBZ6909V
2,4,5-TRICHLOROPHENOL CAS# 95-95-4	2022 ± 18	µg/mL	99.9	07	JS00008
2-METHYLNAPHTHALENE CAS# 91-57-6	2021 ± 11	µg/mL	98.2	08	LB97828
2-NITROANILINE CAS# 88-74-4	2022 ± 12	µg/mL	99.9	09	07411KN
3-NITROANILINE CAS# 99-09-2	2022 ± 15	µg/mL	99.9	10	LC09264
DIBENZOFURAN CAS# 132-64-9	2021 ± 10	µg/mL	98.8	11	LB78814
4-NITROANILINE CAS# 100-01-6	2022 ± 23	µg/mL	99.9	12	15609AA

ID #: 13691
Opened:
EPA TCL Hazardous Substances Mix (12 cmp
Expires: 2/28/2024
Rec'd: 3/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 307-855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Informational Values:



Additional Information:

Analytical Method Parameters:
Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #214)
Carrier Gas: H2, Flow: 4.5 mL/min
Inlet Temperature: 240 °C, Injection Volume: 1 µL
Injection Mode: Split, Split Ratio: 25:1
Temperature Program: 80 °C (Hold 2 min) @ 15 °C/min to 280 °C (Hold 2 min)
Detector: FID
Detector Temperature: 310 °C

Metrological traceability:	Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
Measurement method:	Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.
Intended use:	Intended for R&D and Analytical Use only. Not for drug, household or other uses.
Minimum sample size:	1 µL
Packaging:	1 ML IN AMBER AMPULE
Instructions for handling and correct use:	Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.
Health and safety information:	All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.
Accreditation:	Sigma-Aldrich RTC is accredited by the US accreditation authority ANAB as a registered reference material producer AR-1470 in accordance with ISO 17034.
Certificate issue date:	26-Feb-2021

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Details on metrological traceability:

This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error. Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances. Further traceability to a corresponding Primary Standard may be achieved through a direct comparison assay. Where a Primary Standard is available, the assay value will be included in the specified section of the COA.

Details on metrological traceability:

Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical

$$u_{CRM} = \sqrt{u_{char}^2 + u_{homogeneity}^2 + u_{stability}^2}$$

Homogeneity assessment:

Homogeneity was assessed in accordance with ISO Guide 35. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared by Single Factor Analysis of Variance (ANOVA). The uncertainty due to homogeneity was derived from the ANOVA. Heterogeneity was not detected under the conditions of the ANOVA.

Stability assessment:

Significance of the stability assessment will be demonstrated if the analytical result of the study and the range of values represented by the Expanded Uncertainty do not overlap the result of the original assay and the range of its values represented by the Expanded Uncertainty. The method employed will usually be the same method used to characterize the assay value in the initial

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAC9004.01	26-Feb-2021	Original Release Date

Agilent

ID #: 13854
Opened:
Benzidines Standard
Expires: 4/30/2023
Rec'd: 5/14/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certificate of Analysis

Product Name: Benzidines Standard

Product Number: US-290-1

Lot Number: 0006592783

Lot Issue Date: 03-Mar-2021

Expiration Date: 30-Apr-2023

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
benzidine	000092-87-5	RM10200	2004 ± 10 µg/mL
3,3'-dichlorobenzidine	000091-94-1	RM12559	2001 ± 10 µg/mL

Matrix: methylene chloride (dichloromethane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with the LRQA registered ISO 9001:2015 Quality Management System. Cert # 10303760
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

CERTIFIED WEIGHT REPORT

Part Number: 92180
Lot Number: 020221
Description: CLP Semi-Volatile Calibration Standard
64 components
Expiration Date: 020226
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

Solvent: Methylene chloride **Lot#** 104929

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.003 Flask Uncertainty

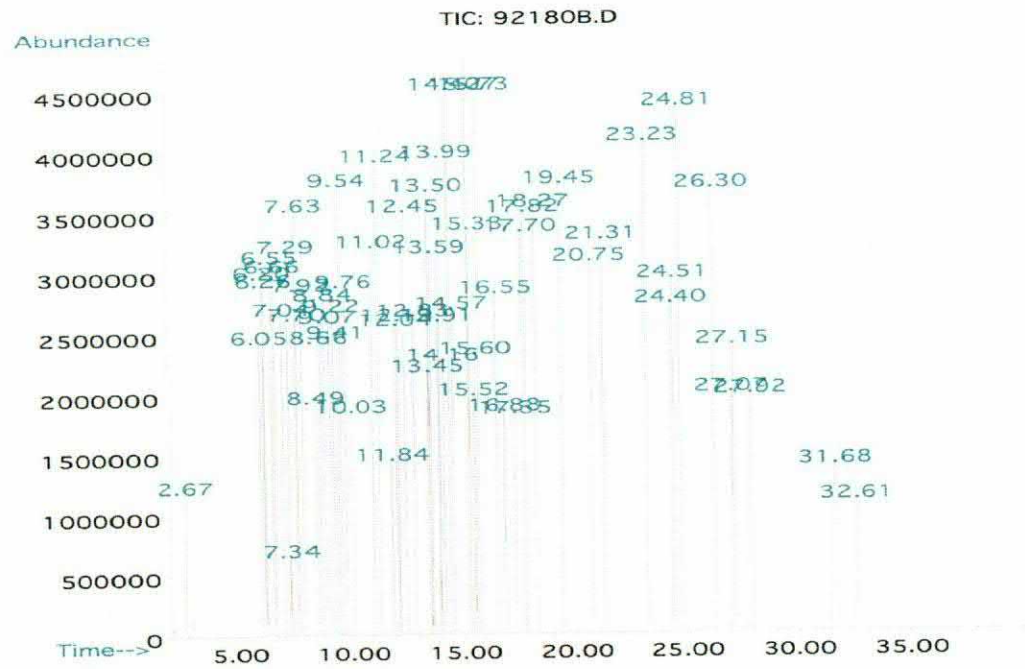
Formulated By:	Eli Aliaga	020221 DATE
Reviewed By:	Pedro L. Rentas	020221 DATE

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) µg/mL	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2,2-Oxybis(1-chloropropane)	(0078)	012016AR	NA	NA	NA	1000	98.9	0.2	NA	0.10112	0.10135	1002.3	4.2	108-60-1	N/A	orl-rat 240mg/kg
2. Hexachlorobenzene	(0195)	051697	NA	NA	NA	1000	99	0.2	NA	0.10102	0.10121	1001.9	4.2	118-74-1	N/A	orl-rat 10g/kg
3. bis(2-Chloroethoxy) methane	10111	011214	0.05	5.00	20018.4	1000	NA	NA	0.017	NA	NA	1000.8	8.0	111-91-1	N/A	N/A
4. bis(2-Chloroethyl) ether	10111	011214	0.05	5.00	20012.4	1000	NA	NA	0.017	NA	NA	1000.5	8.0	111-44-4	15 ppm (90mg/m3/8H)(skin)	orl-rat 75mg/kg
5. bis(2-Ethylhexyl) phthalate	10111	011214	0.05	5.00	20014.3	1000	NA	NA	0.017	NA	NA	1000.6	8.0	117-81-7	5mg/m3/8H	orl-rat 30600mg/kg
6. 4-Bromophenyl phenyl ether	10111	011214	0.05	5.00	20008.8	1000	NA	NA	0.017	NA	NA	1000.3	8.0	101-55-3	N/A	N/A
7. Benzyl butyl phthalate	10111	011214	0.05	5.00	20011.3	1000	NA	NA	0.017	NA	NA	1000.5	8.0	85-68-7	N/A	orl-rat 2330mg/kg
8. 4-Chlorophenyl phenyl ether	10111	011214	0.05	5.00	20009.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	7005-72-3	N/A	N/A
9. Diethyl phthalate	10111	011214	0.05	5.00	20013.6	1000	NA	NA	0.017	NA	NA	1000.6	8.0	84-66-2	5mg/m3/8H	orl-rat 8600mg/kg
10. Dimethyl phthalate	10111	011214	0.05	5.00	20015.7	1000	NA	NA	0.017	NA	NA	1000.7	8.0	131-11-3	5mg/m3/8H	orl-rat 6800mg/kg
11. Di-n-butyl phthalate	10111	011214	0.05	5.00	20011.6	1000	NA	NA	0.017	NA	NA	1000.5	8.0	84-74-2	5mg/m3/8H	orl-rat 8000mg/kg
12. Di-n-octyl phthalate	10111	011214	0.05	5.00	20012.2	1000	NA	NA	0.017	NA	NA	1000.5	8.0	117-84-0	N/A	orl-rat 47000mg/kg
13. N-Nitrosodimethylamine	10111	011214	0.05	5.00	20010.0	1000	NA	NA	0.017	NA	NA	1000.4	8.0	62-75-9	N/A	orl-rat 58mg/kg
14. N-Nitrosodi-n-propylamine	10111	011214	0.05	5.00	20010.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	621-64-7	N/A	orl-rat 480mg/kg
15. 1,2-Diphenylhydrazine (as Azobenzene)	10112	042820	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.1	103-33-3	N/A	orl-rat 1000mg/kg
16. 2-Chloronaphthalene	10112	042820	0.05	5.00	20002.9	1000	NA	NA	0.017	NA	NA	1000.0	8.0	91-58-7	N/A	orl-rat 2078mg/kg
17. 1,2-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
18. 1,3-Dichlorobenzene	10112	042820	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	541-73-1	N/A	ipr-mus 1062mg/kg
19. 1,4-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
20. 2,4-Dinitrotoluene	10112	042820	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	121-14-2	1.5mg/m3/8H (skin)	orl-rat 268mg/kg
21. 2,6-Dinitrotoluene	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	606-20-2	1.5mg/m3/8H (skin)	orl-rat 177mg/kg
22. Hexachloro-1,3-butadiene	10112	042820	0.05	5.00	20009.4	1000	NA	NA	0.017	NA	NA	1000.4	12.4	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
23. Hexachlorocyclopentadiene	10112	042820	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	77-47-4	0.01 ppm (0.1mg/m3/8H)	orl-rat 1300mg/kg
24. Hexachloroethane	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
25. Isophorone	10112	042820	0.05	5.00	20003.8	1000	NA	NA	0.017	NA	NA	1000.1	8.1	78-59-1	25 ppm	orl-rat 2330mg/kg
26. Nitrobenzene	10112	042820	0.05	5.00	20004.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
27. 1,2,4-Trichlorobenzene	10112	042820	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
28. o-Cresol (2-Methylphenol)	10114	081919	0.05	5.00	20010.2	1000	NA	NA	0.017	NA	NA	1000.4	8.0	95-48-7	5 ppm (22mg/m3/8H)(skin)	orl-rat 121mg/kg
29. p-Cresol (4-Methylphenol)	10114	081919	0.05	5.00	20061.2	1000	NA	NA	0.017	NA	NA	1003.0	8.0	106-44-5	5 ppm (22mg/m3/8H)(skin)	orl-rat 207mg/kg
30. 2,4,5-Trichlorophenol	10114	081919	0.05	5.00	20023.2	1000	NA	NA	0.017	NA	NA	1001.1	8.0	95-95-4	N/A	orl-rat 820mg/kg
31. 4-Chloroaniline	10115	060512	0.05	5.00	20009.6	1000	NA	NA	0.017	NA	NA	1000.4	8.0	106-47-8	N/A	orl-rat 310mg/kg
32. Dibenzofuran	10115	060512	0.05	5.00	20020.2	1000	NA	NA	0.017	NA	NA	1000.9	8.0	132-64-9	N/A	N/A
33. 2-Methylnaphthalene	10115	060512	0.05	5.00	20012.9	1000	NA	NA	0.017	NA	NA	1000.5	8.1	91-57-6	N/A	orl-rat 1800mg/kg
34. 2-Nitroaniline	10115	060512	0.05	5.00	20011.8	1000	NA	NA	0.017	NA	NA	1000.5	8.0	88-74-4	N/A	orl-rat 1600mg/kg
35. 3-Nitroaniline	10115	060512	0.05	5.00	20018.6	1000	NA	NA	0.017	NA	NA	1000.8	8.0	99-09-2	N/A	orl-rat 535mg/kg
36. 4-Nitroaniline	10115	060512	0.05	5.00	20014.9	1000	NA	NA	0.017	NA	NA	1000.6	8.0	100-01-6	1 ppm (6mg/m3/8H)(skin)	orl-rat 750mg/kg
37. 4-Chloro-3-methylphenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	59-50-7	N/A	orl-rat 1830mg/kg
38. 2-Chlorophenol	10118	072120	0.05	5.00	20002.9	1000	NA	NA	0.017	NA	NA	1000.0	8.0	95-57-8	N/A	orl-rat 670mg/kg
39. 2,4-Dichlorophenol	10118	072120	0.05	5.00	20003.1	1000	NA	NA	0.017	NA	NA	1000.1	8.0	120-83-2	N/A	orl-rat 580mg/kg
40. 2,4-Dimethylphenol	10118	072120	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	105-67-9	N/A	orl-rat 3200mg/kg
41. 2,4-Dinitrophenol	10118	072120	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	51-28-5	N/A	orl-rat 30mg/kg
42. 4,6-Dinitro-2-methylphenol	10118	072120	0.05	5.00	20002.5	1000	NA	NA	0.017	NA	NA	1000.0	8.0	534-52-1	N/A	N/A
43. 2-Nitrophenol	10118	072120	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-75-5	N/A	orl-rat 334mg/kg
44. 4-Nitrophenol	10118	072120	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	100-02-7	N/A	orl-rat 250mg/kg
45. Pentachlorophenol	10118	072120	0.05	5.00	20002.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg
46. Phenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	108-95-2	5 ppm (19mg/m3/8H)(skin)	orl-rat 317mg/kg
47. 2,4,6-Trichlorophenol	10118	072120	0.05	5.00	20004.2	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-06-2	N/A	orl-rat 820mg/kg
48. Acenaphthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	83-32-9	N/A	ipr-rat 600mg/kg
49. Acenaphthylene	10007	042420	0.50	50.00	2000.2	1000	NA	NA	0.018	NA	NA	1000.0	4.2	208-96-8	N/A	N/A
50. Anthracene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.1	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
51. Benzo(a)anthracene	10007	042420	0.50	50.00	2001.3	1000	NA	NA	0.018	NA	NA	1000.6	4.2	56-55-3	N/A	N/A
52. Benzo(a)pyrene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
53. Benzo(b)fluoranthene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	205-99-2	N/A	N/A
54. Benzo(k)fluoranthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	207-08-9	N/A	N/A
55. Benzo(g,h,i)perylene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	191-24-2	N/A	N/A
56. Carbazole	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.0	4.2	86-74-8	N/A	ipr-mus 200mg/kg
57. Chrysene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	218-01-9	0.2mg/m3	N/A
58. Dibenzo(a,h)anthracene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	53-70-3	0.2mg/m3	N/A
59. Fluoranthene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.2	206-44-0	N/A	orl-rat 2000mg/kg
60. Fluorene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.3	4.2	86-73-7	N/A	ipr-mus 2 g/kg
61. Indeno(1,2,3-cd)pyrene	10007	042420	0.50	50.00	2000.1	1000	NA	NA	0.018	NA	NA	1000.0	4.1	193-39-5	N/A	N/A
62. Naphthalene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
63. Phenanthrene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
64. Pyrene	10007	042420	0.50	50.00	2001.0	1000	NA	NA	0.018	NA	NA	1000.4	4.2	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified +/- 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

ID #: 14074
Opened:
CLP Semivolatile Calibration Standard
Expires: 2/2/2026
Rec'd: 7/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Method GC8MSD-2.M: Column:SBB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14 min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 290°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Melissa Stonier.



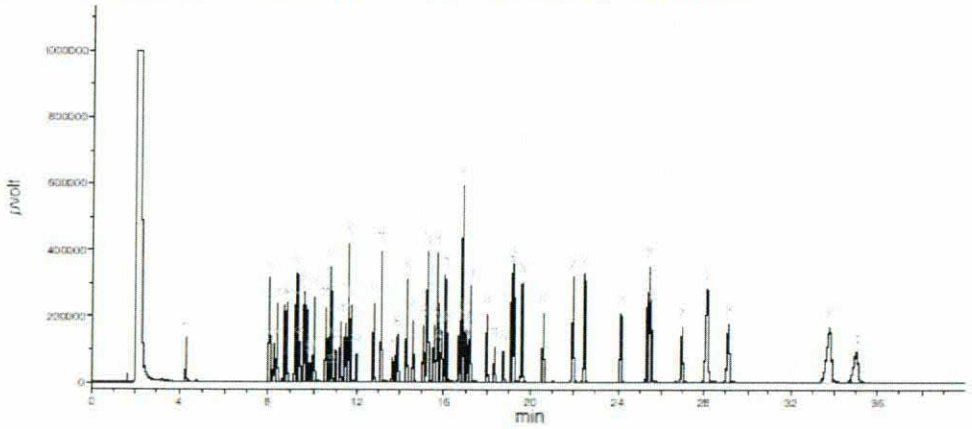
Peak No	Name	MSD RT (min.)
1	N-nitrosodimethylamine	2.67
2	Phenol	6.05
3	bis(2-Chloroethyl)ether	6.20
4	2-Chlorophenol	6.26
5	1,3-Dichlorobenzene	6.55
6	1,4-Dichlorobenzene	6.63
7	1,2-Dichlorobenzene	7.04
8	o-Cresol (2-methylphenol)	7.29
9	bis(2-Chloroisopropyl)ether	7.34
10	p-Cresol (4-methylphenol) / N-nitroso-di-n-propylamine	7.63
11	Hexachloroethane	7.70
12	Nitrobenzene	7.92
13	Isophorone	8.49
14	2-Nitrophenol	8.66
15	2,4-Dimethylphenol	8.84
16	bis(2-Chloroethoxy)methane	9.07
17	2,4-Dichlorophenol	9.22
18	1,2,4-Trichlorobenzene	9.41
19	Naphthalene	9.54
20	4-Chloroaniline	9.76
21	Hexachloro-1,3-butadiene	10.03
22	4-Chloro-3-methylphenol	11.02
23	2-Methylnaphthalene	11.24
24	Hexachlorocyclopentadiene	11.84
25	2,4,6-Trichlorophenol	12.04
26	2,4,5-Trichlorophenol	12.13
27	2-Chloronaphthalene	12.45
28	2-Nitroaniline	12.84
29	Dimethyl phthalate	13.45
30	Acenaphthylene	13.50
31	2,6-Dinitrotoluene	13.59
32	3-Nitroaniline	13.91
33	Acenaphthene	13.99
34	2,4-Dinitrophenol	14.16
35	Dibenzofuran/4-Nitrophenol	14.40
36	2,4-Dinitrotoluene	14.57
37	Diethyl phthalate/Fluorene	15.27
38	4-Chlorophenyl phenyl ether	15.33
39	4-Nitroaniline	15.52
40	4,6-Dinitro-2-methylphenol	15.60
41	Azobenzene	15.73
42	4-Bromophenyl phenyl ether	16.56
43	Hexachlorobenzene	16.89
44	Pentachlorophenol	13.35
45	Phenanthrene	17.70
46	Anthracene	17.82
47	Carbazole	18.27
48	Di-n-butyl phthalate	19.45
49	Fluoranthene	20.75
50	Pyrene	21.31
51	Benzyl butyl phthalate	23.23
52	Benzo(a)anthracene	24.40
53	Chrysene	24.51
54	bis(2-Ehtylhexyl)phthalate	24.82
55	Di-n-octyl phthalate	26.30
56	Benzo(b)fluoranthene	27.07
57	Benzo(k)fluoranthene	27.15
58	Benzo(a)pyrene	27.92
59	Indeno(1,2,3-cd)pyrene/Dibenz(a,h)anthracene	31.68
60	Benzo(g,h,i)perylene	32.61

Run 19, "P92180 L020221 [1000µg/mL in MeCl2]"

Run Length: 40.00 min, 23999 points at 10 points/second.
Created: Sat, Feb 6, 2021 at 4:44:57 AM.
Sampled: Sequence "020521-GC4M2", Method "GC4-M2".
Analyzed using Method "GC4-M2".

Comments

GC4-M2 Analysis by Melissa Stonier
Column ID SPB-5 L#60062-01A 30 meter x 0.53mm x 1.5um Film Thickness.
Flow rates; Total Flow = 300 ml/min, Helium (carrier) = 6.5 mL, Helium (make-up) = 25 mL.
Hydrogen (detector) = 30 mL, Air (detector) =360 mLOven Temp 1 = 50°C (1 min).
Rate = 10°C/min, Oven Temp 2 = 300°C (14 min), Total Run Time = 40 Minutes. Injector Temp = 250°C.
FID Temp = 300°C, FID Signal = eDaq Channel 1.
Gas Chromatograph = HP 5890, Auto Sampler = HP 7673, Standard injection = 0.5 uL, Range =3



Peak No	Name	FID RT (min.)
1	N-nitrosodimethylamine	4.30
2	Phenol	6.05
3	bis(2-Chloroethyl)ether	6.25
4	2-Chlorophenol	6.40
5	1,3-Dichlorobenzene	6.71
6	1,4-Dichlorobenzene	6.80
7	1,2-Dichlorobenzene	9.19
8	o-Cresol (2-methylphenol)	9.27
9	bis(2-Chloroisopropyl)ether	9.38
10	p-Cresol (4-methylphenol)/N-nitrosodi-n-propylamine	9.55
11	Hexachloroethane	9.70
12	Nitrobenzene	9.85
13	Isophorone	10.02
14	2-Nitrophenol	10.53
15	2,4-Dimethylphenol	10.74
16	bis(2-Chloroethoxy)methane	10.81
17	2,4-Dichlorophenol	10.97
18	1,2,4-Trichlorobenzene	11.21
19	Naphthalene	11.43
20	4-Chloroaniline	11.57
21	Hexachloro-1,3-butadiene	11.70
22	4-Chloro-3-methylphenol	11.96
23	2-Methylnaphthalene	12.77
24	Hexachlorocyclopentadiene	13.14
25	2,4,6-Trichlorophenol	13.65
26	2,4,5-Trichlorophenol	13.83
27	2-Chloronaphthalene	13.91
28	2-Nitroaniline	14.26
29	Dimethyl phthalate	14.56
30	Acenaphthylene	15.05
31	2,6-Dinitrotoluene	15.25
32	3-Nitroaniline	15.54
33	Acenaphthene	15.69
34	2,4-Dinitrophenol	15.77
35	Dibenzofuran/4-Nitrophenol	15.89
36	2,4-Dinitrotoluene	16.06
37	Diethyl phthalate/Fluorene	16.14
38	4-Chlorophenyl phenyl ether	16.72
39	4-Nitroaniline	16.87
40	4,6-Dinitro-2-methylphenol	17.00
41	Azobenzene	17.09
42	4-Bromophenyl phenyl ether	17.23
43	Hexachlorobenzene	18.00
44	Pentachlorophenol	18.36
45	Phenanthrene	18.76
46	Anthracene	19.13
47	Carbazole	19.24
48	Di-n-butyl phthalate	19.61
49	Fluoranthene	20.55
50	Pyrene	21.96
51	Benzyl butyl phthalate	22.49
52	Benzo(a)anthracene	24.11
53	Chrysene	25.34
54	bis(2-Ehtylhexyl)phthalate	25.45
55	Di-n-octyl phthalate	25.52
56	Benzo(b)fluoranthene	26.98
57	Benzo(k)fluoranthene	28.16
58	Benzo(a)pyrene	29.10
59	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	33.79
60	Benzo(g,h,i)perylene	35.02

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

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Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-14500-R2
Description: Custom Semi-Volatile Standard
Lot: 220021255-02
Solvent: Dichloromethane
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Aug 31, 2021
Expiration: Oct 1, 2022
Sample Size: 1 mL
Components: 10
Storage Condition: Freeze (<-10 °C)/Sonicate

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Pyridine	110-86-1	98.7	2026	2000
4-Chlorophenol	106-48-9	100.0	2019	2019
1-Methylnaphthalene	90-12-0	98.5	2003	1973
N-Nitrosodiphenylamine	86-30-6	100.0	2022	2022
4-Chloro-2-methylphenol	1570-64-5	97.0	2069*	2007
Benzoic acid	65-85-0	99.5	2010	2000
Aniline	62-53-3	98.0	2002	1962
Benzyl alcohol	100-51-6	99.9	2011	2009
Triallate	2303-17-5	99.9	2013	2011
o-Terphenyl	84-15-1	99.9	2019	2017

ID #: 14279
Opened:
Custom Semi-Volatile Standard
Expires: 10/1/2022
Rec'd: 9/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

This Certified Reference Material was verified in accordance with ISO/IEC 17025

* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

 See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

PREP BATCH REPORT

Prep Code: **SVOC-3510C-8270** Technician: **Zachary B. Zaccardi** Prep Start Date: **2/9/2022 8:18:50 AM**

Prep Batch **163621** Prep Temp **NA °C** Batch Units: **ML** Prep End Date: **2/11/2022 8:21:00 AM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
MB-163621			1000	0	0	1.00	0.001		2/9/2022	2/11/2022
supervised by DSM										
LCS-163621			1000	0	0	1.00	0.001		2/9/2022	2/11/2022
LCSD-163621			1000	0	0	1.00	0.001		2/9/2022	2/11/2022
LLCS-163621			1000	0	0	1.00	0.001		2/9/2022	2/11/2022
LLCSD-163621			1000	0	0	1.00	0.001		2/9/2022	2/11/2022
B22020415-001C	Ground Water	6	1040	0	0	1.00	0.000962		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-006C	Ground Water	6	1010	0	0	1.00	0.00099		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-011C	Ground Water	6	1050	0	0	1.00	0.000952		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-016A	Ground Water	6	1050	0	0	1.00	0.000952		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-017C	Ground Water	6	1050	0	0	1.00	0.000952		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-022C	Ground Water	6	990	0	0	1.00	0.00101		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-027C	Ground Water	6	1030	0	0	1.00	0.000971		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020415-032C	Ground Water	6	1020	0	0	1.00	0.00098		2/9/2022	2/11/2022
Sample was clear (1/2)										
B22020528-001B	Aqueous	7	1010	0	0	1.00	0.00099		2/9/2022	2/11/2022
Sample was cloudy yellow										
B22020531-001M	Aqueous	7	1040	0	0	1.00	0.000962		2/9/2022	2/11/2022
Sample was cloudy grey										

Number	Reagent Name	Exp Date	A
13124	Sulfuric Acid 2020070739	7/2/2022	2mL
13273	pH-indicator Strips 0-14 HC025486	9/30/2024	
14777	Dichloromethane EC 978	11/17/2023	100, 5(

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
FP220120 14244	DCM RINSED FILTER PAPER	ALL		4/6/2026
Sulfate 02/09/22 (	Baked Sodium Sulfate	ALL	varies	11/29/2026
sv92806	Benzidines	LCS, MS	50 uL	9/9/2025
sv92809	LCS/Add Extractions	LCS, MS; LLCS/D	1.0 mL; 5	7/22/2022
sv92717	LL BNA Surr	LMS, LLCS/D	100 uL	3/31/2022
SVOC NaOH 122	10 N NaOH	MB, LCS, SAMP,	5 drops	7/31/2023
sv92718	BNA Surr	SAMP, MB, LCS,	100 uL	3/31/2022

PREP BATCH REPORT

Prep Code: **SVOC-3510C-8270** Technician: **Zachary B. Zaccardi** Prep Start Date: **2/9/2022 8:18:50 AM**

Prep Batch **163621** Prep Temp **NA °C** Batch Units: **ML** Prep End Date: **2/11/2022 8:21:00 AM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
B22020534-001M	Aqueous	6	1000	0	0	1.00	0.001		2/9/2022	2/11/2022
sample was clear										
B22020415-001CLMS	Ground Water	6	1040	0	0	1.00	0.000962		2/9/2022	2/11/2022
Sample was clear (2/2)										
B22020415-006CLMS	Ground Water	6	1010	0	0	1.00	0.00099		2/9/2022	2/11/2022
Sample was clear (2/2)										
B22020415-017CMS	Ground Water	6	1050	0	0	1.00	0.000952		2/9/2022	2/11/2022
Sample was clear (2/2)										
B22020415-032CMS	Ground Water	6	1030	0	0	1.00	0.000971		2/9/2022	2/11/2022
Sample was clear (2/2)										

Number	Reagent Name	Exp Date	A
13124	Sulfuric Acid 2020070739	7/2/2022	2mL
13273	pH-indicator Strips 0-14 HC025486	9/30/2024	
14777	Dichloromethane EC 978	11/17/2023	100, 5(

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
FP220120 14244	DCM RINSED FILTER PAPER	ALL		4/6/2026
Sulfate 02/09/22 (	Baked Sodium Sulfate	ALL	varies	11/29/2026
sv92806	Benzidines	LCS, MS	50 uL	9/9/2025
sv92809	LCS/Add Extractions	LCS, MS; LLCS/D	1.0 mL; 5	7/22/2022
sv92717	LL BNA Surr	LMS, LLCS/D	100 uL	3/31/2022
SVOC NaOH 122	10 N NaOH	MB, LCS, SAMP,	5 drops	7/31/2023
sv92718	BNA Surr	SAMP, MB, LCS,	100 uL	3/31/2022

PREP BATCH REPORT

Prep Code: **SVOC-3510C-8270** Technician: **Zachary B. Zaccardi** Prep Start Date: **2/14/2022 8:37:20 AM**

Prep Batch **163724** Prep Temp **NA °C** Batch Units: **ML** Prep End Date: **2/16/2022 8:17:00 AM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
MB-163724			1000	0	0	1.00	0.001		2/14/2022	2/16/2022
Supervised by DSM										
LCS-163724			1000	0	0	1.00	0.001		2/14/2022	2/16/2022
B22020920-001C	Aqueous	7	1030	0	0	1.00	0.000971		2/14/2022	2/16/2022
Sample was clear										
B22020920-002C	Aqueous	7	990	0	0	1.00	0.00101		2/14/2022	2/16/2022
Sample was clear										
B22020920-003C	Aqueous	7	960	0	0	1.00	0.00104		2/14/2022	2/16/2022
Sample was cloudy yellow										
B22020962-032A	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (1/2)										
B22020962-011C	Ground Water	6	1040	0	0	1.00	0.000962		2/14/2022	2/16/2022
Sample was clear (1/2)										
B22020962-031C	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (1/2)										
B22020962-011CLMS	Ground Water	6	1030	0	0	1.00	0.000971		2/14/2022	2/16/2022
Sample was clear (2/2)										
B22020962-031CLMS	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (2/2)										
B22020962-032AMS	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (2/2)										
B22020962-001C	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (1/2)										
B22020962-006C	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (1/2)										
B22020962-016C	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (1/2)										

Number	Reagent Name	Exp Date	A
13124	Sulfuric Acid 2020070739	7/2/2022	2mL
13273	pH-indicator Strips 0-14 HC025486	9/30/2024	
14828	Dichloromethane ED092	12/12/2023	100, 5(

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
FP220201 14244	DCM RINSED FILTER PAPER	ALL		4/6/2026
Sulfate 02/09/22 (	Baked Sodium Sulfate	ALL	varies	11/29/2026
sv92806	Benzidines	LCS, MS	50 uL	9/9/2025
sv92809	LCS/Add Extractions	LCS, MS; LLCS/D	1.0 mL; 5	7/22/2022
sv92717	LL BNA Surr	LMS, LLCS/D	100 uL	3/31/2022
SVOC NaOH 122	10 N NaOH	MB, LCS, SAMP,	5 drops	7/31/2023
sv92811	BNA Surr	SAMP, MB, LCS,	100 uL	7/22/2022

PREP BATCH REPORT

Prep Code: **SVOC-3510C-8270** Technician: **Zachary B. Zaccardi** Prep Start Date: **2/14/2022 8:37:20 AM**

Prep Batch **163724** Prep Temp **NA °C** Batch Units: **ML** Prep End Date: **2/16/2022 8:17:00 AM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
B22020962-021C	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (1/2)										
B22020962-026C	Ground Water	6	1040	0	0	1.00	0.000962		2/14/2022	2/16/2022
Sample was a cloudy cream (1/2)										
LCSD-163724			1000	0	0	1.00	0.001		2/14/2022	2/16/2022
LLCS-163724			1000	0	0	1.00	0.001		2/14/2022	2/16/2022
LLCSD-163724			1000	0	0	1.00	0.001		2/14/2022	2/16/2022
B22020962-006CMS	Ground Water	6	1050	0	0	1.00	0.000952		2/14/2022	2/16/2022
Sample was clear (2/2)										

Number	Reagent Name	Exp Date	A
13124	Sulfuric Acid 2020070739	7/2/2022	2mL
13273	pH-indicator Strips 0-14 HC025486	9/30/2024	
14828	Dichloromethane ED092	12/12/2023	100, 5(

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
FP220201 14244	DCM RINSED FILTER PAPER	ALL		4/6/2026
Sulfate 02/09/22 (	Baked Sodium Sulfate	ALL	varies	11/29/2026
sv92806	Benzidines	LCS, MS	50 uL	9/9/2025
sv92809	LCS/Add Extractions	LCS, MS; LLCS/D	1.0 mL; 5	7/22/2022
sv92717	LL BNA Surr	LMS, LLCS/D	100 uL	3/31/2022
SVOC NaOH 122	10 N NaOH	MB, LCS, SAMP,	5 drops	7/31/2023
sv92811	BNA Surr	SAMP, MB, LCS,	100 uL	7/22/2022

Energy Laboratories Inc

ANALYTICAL RUN Summary

20-Feb-22

Run ID SV5973N.I_220218A

Run Start Date:	2/18/2022
Analyst:	Sean McGrew
Ical:	0
Column ID:	XTI-5
Comments:	

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
dcmsvoc13	DCM						11/17/2022
sv100507	BNA mix	37.5	ul	62.5	ul	CCV	3/31/2022
sv100516	BNA Internals 2000 ug/mL	2	ul	100	ul	all HL SVOC	6/30/2023
sv100610	QC2/TEL	37.5	ul	62.5	ul	CCV	8/3/2022
sv100714	BNA 2nd source 200 ug/mL	37.5	ul	62.5	ul	ICV	10/1/2022
sv83311	DFTPP 1000 ug/mL	50	ul	50	ul	TUNE	10/31/2022
sv90820	BNA 2nd source short (new)	37.5	ul	62.5	ul	ICV	3/16/2023

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044794	Feb1801_D_TU	SVOC-8270-DF	TUNE	V5973N.I\sd0218	2/19/2022 7:59:0	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
127, % of mass 198	A	%	54.1	54.1		100	0	0	0	0.01	0	54%	40	60	0%	
197, % of mass 198	A	%	0.1	0.1		100	0	0	0	0.01	0	0%	0	0.99	0%	
198, Base Peak	A	%	100	100		100	0	0	0	0.01	0	100%	100	100	0%	
199, % of mass 198	A	%	6.7	6.7		100	0	0	0	0.01	0	7%	5	9	0%	
275, % of mass 198	A	%	28.3	28.3		100	0	0	0	0.01	0	28%	10	30	0%	
365, % of mass 198	A	%	3.8	3.8		100	0	0	0	0.01	0	4%	1	99.99	0%	
441, % of mass 443	A	%	78.7	78.7		100	0	0	0	0.01	0	79%	0.01	150	0%	
442, % of mass 198	A	%	64.4	64.4		100	0	0	0	0.01	0	64%	40	100	0%	
443, % of mass 442	A	%	19.4	19.4		100	0	0	0	0.01	0	19%	17	23	0%	
51, % of mass 198	A	%	42.8	42.8		100	0	0	0	0.01	0	43%	30	60	0%	
68, % of mass 69	A	%	0.7	0.7		100	0	0	0	0.01	0	1%	0	1.99	0%	
70, % of mass 69	A	%	0.7	0.7		100	0	0	0	0.01	0	1%	0	1.99	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044795	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 8:21:2	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	148.25876	148.25876		150	0	0	1.9	10	150	99%	80	120	0%	
1,2-Dichlorobenzene	A	ug/L	148.39683	148.39683		150	0	0	1.97	10	150	99%	80	120	0%	
1,3-Dichlorobenzene	A	ug/L	145.78693	145.78693		150	0	0	2.13	10	150	97%	80	120	0%	
1,4-Dichlorobenzene	A	ug/L	145.89028	145.89028		150	0	0	2.02	10	150	97%	80	120	0%	
1-Methylnaphthalene	A	ug/L	150.22261	150.22261		150	0	0	2.39	10	150	100%	80	120	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	144.24352	144.24352		150	0	0	1.45	10	150	96%	80	120	0%	
2,4,5-Trichlorophenol	A	ug/L	146.81582	146.81582		150	0	0	2.23	10	150	98%	80	120	0%	
2,4,6-Trichlorophenol	A	ug/L	141.25715	141.25715		150	0	0	2.64	10	150	94%	80	120	0%	
2,4-Dichlorophenol	A	ug/L	143.81129	143.81129		150	0	0	1.69	10	150	96%	80	120	0%	
2,4-Dimethylphenol	A	ug/L	141.24758	141.24758		150	0	0	1.69	10	150	94%	80	120	0%	
2,4-Dinitrophenol	A	ug/L	147.40763	147.40763		150	0	0	4.26	10	150	98%	80	120	0%	
2,4-Dinitrotoluene	A	ug/L	147.37762	147.37762		150	0	0	3.04	10	150	98%	80	120	0%	
2,6-Dinitrotoluene	A	ug/L	140.28013	140.28013		150	0	0	3.2	10	150	94%	80	120	0%	
2-Chloronaphthalene	A	ug/L	146.70902	146.70902		150	0	0	2.14	10	150	98%	80	120	0%	
2-Chlorophenol	A	ug/L	146.11086	146.11086		150	0	0	2.48	10	150	97%	80	120	0%	
2-Methylnaphthalene	A	ug/L	150.99876	150.99876		150	0	0	1.92	10	150	101%	80	120	0%	
2-Nitroaniline	A	ug/L	139.58853	139.58853		150	0	0	2.4	10	150	93%	80	120	0%	
2-Nitrophenol	A	ug/L	144.43803	144.43803		150	0	0	2.36	10	150	96%	80	120	0%	
3,3´-Dichlorobenzidine	A	ug/L	145.86735	145.86735		150	0	0	2.11	10	150	97%	80	120	0%	
3-Nitroaniline	A	ug/L	141.84089	141.84089		150	0	0	2.77	10	150	95%	80	120	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	147.92067	147.92067		150	0	0	2.33	10	150	99%	80	120	0%	
4-Bromophenyl phenyl ether	A	ug/L	146.89915	146.89915		150	0	0	1.74	10	150	98%	80	120	0%	
4-Chloro-2-methylphenol	A	ug/L	143.00655	143.00655		150	0	0	1.6	10	150	95%	80	120	0%	
4-Chloro-3-methylphenol	A	ug/L	145.69078	145.69078		150	0	0	1.46	10	150	97%	80	120	0%	
4-Chlorophenol	A	ug/L	147.58879	147.58879		150	0	0	2.64	10	150	98%	80	120	0%	
4-Chlorophenyl phenyl ether	A	ug/L	142.57519	142.57519		150	0	0	2.03	10	150	95%	80	120	0%	
4-Nitroaniline	A	ug/L	147.46761	147.46761		150	0	0	1.63	10	150	98%	80	120	0%	
4-Nitrophenol	A	ug/L	144.3881	144.3881		150	0	0	2.5	10	150	96%	80	120	0%	
Acenaphthene	A	ug/L	152.63091	152.63091		150	0	0	1.89	10	150	102%	80	120	0%	
Acenaphthylene	A	ug/L	149.67985	149.67985		150	0	0	1.57	10	150	100%	80	120	0%	
Aniline	A	ug/L	145.48225	145.48225		150	0	0	3.74	10	150	97%	80	120	0%	
Anthracene	A	ug/L	143.81384	143.81384		150	0	0	1.23	10	150	96%	80	120	0%	
Azobenzene	A	ug/L	151.03114	151.03114		150	0	0	1.09	10	150	101%	80	120	0%	
Benzidine	A	ug/L	152.27249	152.27249		150	0	0	6.72	10	150	102%	80	120	0%	
Benzo(a)anthracene	A	ug/L	149.75051	149.75051		150	0	0	0.856	10	150	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044795	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 8:21:2	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	147.49844	147.49844		150	0	0	1.24	10	150	98%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	147.75693	147.75693		150	0	0	0.903	10	150	99%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	147.41393	147.41393		150	0	0	1.01	10	150	98%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	149.14729	149.14729		150	0	0	0.97	10	150	99%	80	120	0%	
Benzoic acid	A	ug/L	145.38456	145.38456		150	0	0	1.51	10	150	97%	80	120	0%	
Benzyl alcohol	A	ug/L	145.16169	145.16169		150	0	0	3.13	10	150	97%	80	120	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	145.34888	145.34888		150	0	0	1.36	10	150	97%	80	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	147.59774	147.59774		150	0	0	2.57	10	150	98%	80	120	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	144.24352	144.24352		150	0	0	1.49	10	150	96%	80	120	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	146.98037	146.98037		150	0	0	1.91	10	150	98%	80	120	0%	
Butylbenzylphthalate	A	ug/L	146.75789	146.75789		150	0	0	1.57	10	150	98%	80	120	0%	
Carbazole	A	ug/L	149.57053	149.57053		150	0	0	0.842	10	150	100%	80	120	0%	
Chrysene	A	ug/L	147.3118	147.3118		150	0	0	1.17	10	150	98%	80	120	0%	
Di-n-butyl phthalate	A	ug/L	147.6497	147.6497		150	0	0	0.932	10	150	98%	80	120	0%	
Di-n-octyl phthalate	A	ug/L	147.30122	147.30122		150	0	0	1.34	10	150	98%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	147.0838	147.0838		150	0	0	1.17	10	150	98%	80	120	0%	
Dibenzofuran	A	ug/L	148.13504	148.13504		150	0	0	1.74	10	150	99%	80	120	0%	
Diethyl phthalate	A	ug/L	145.36778	145.36778		150	0	0	2.18	10	150	97%	80	120	0%	
Dimethyl phthalate	A	ug/L	148.76974	148.76974		150	0	0	1.72	10	150	99%	80	120	0%	
Fluoranthene	A	ug/L	148.77254	148.77254		150	0	0	0.883	10	150	99%	80	120	0%	
Fluorene	A	ug/L	153.81469	153.81469		150	0	0	1.82	10	150	103%	80	120	0%	
Hexachlorobenzene	A	ug/L	143.53189	143.53189		150	0	0	1.33	10	150	96%	80	120	0%	
Hexachlorobutadiene	A	ug/L	147.36478	147.36478		150	0	0	2.32	10	150	98%	80	120	0%	
Hexachlorocyclopentadiene	A	ug/L	147.73475	147.73475		150	0	0	2.97	10	150	98%	80	120	0%	
Hexachloroethane	A	ug/L	145.59741	145.59741		150	0	0	1.79	10	150	97%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	147.07419	147.07419		150	0	0	1.25	10	150	98%	80	120	0%	
Isophorone	A	ug/L	146.30815	146.30815		150	0	0	1.67	10	150	98%	80	120	0%	
m+p-Cresols	A	ug/L	147.68905	147.68905		150	0	0	1.78	10	150	98%	80	120	0%	
n-Nitroso-di-n-propylamine	A	ug/L	151.94194	151.94194		150	0	0	1.54	10	150	101%	80	120	0%	
n-Nitrosodimethylamine	A	ug/L	149.73312	149.73312		150	0	0	1.53	10	150	100%	80	120	0%	
n-Nitrosodiphenylamine	A	ug/L	148.66233	148.66233		150	0	0	1.16	10	150	99%	80	120	0%	
Naphthalene	A	ug/L	144.2577	144.2577		150	0	0	1.74	10	150	96%	80	120	0%	
Nitrobenzene	A	ug/L	141.18191	141.18191		150	0	0	2.31	10	150	94%	80	120	0%	
o-Cresol	A	ug/L	144.81835	144.81835		150	0	0	1.83	10	150	97%	80	120	0%	
p-Chloroaniline	A	ug/L	150.52324	150.52324		150	0	0	1.52	10	150	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044795	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 8:21:2	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pentachlorophenol	A	ug/L	148.79274	148.79274		150	0	0	4.24	10	150	99%	80	120	0%	
Phenanthrene	A	ug/L	146.00031	146.00031		150	0	0	0.784	10	150	97%	80	120	0%	
Phenol	A	ug/L	145.52785	145.52785		150	0	0	1.46	10	150	97%	80	120	0%	
Pyrene	A	ug/L	149.9738	149.9738		150	0	0	0.921	10	150	100%	80	120	0%	
Pyridine	A	ug/L	146.13939	146.13939		150	0	0	3.22	10	150	97%	80	120	0%	
Triallate	A	ug/L	149.27945	149.27945		150	0	0	1.51	10	150	100%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	148.56515	148.56515		150	0	0	2.88	10	0	99%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	147.22505	147.22505		150	0	0	0.724	10	0	98%	80	120	0%	
2-Fluorophenol	S	ug/L	148.08161	148.08161		150	0	0	3.52	10	0	99%	80	120	0%	
Nitrobenzene-d5	S	ug/L	146.32187	146.32187		150	0	0	2.34	10	0	98%	80	120	0%	
Phenol-d5	S	ug/L	147.13902	147.13902		150	0	0	2.06	10	0	98%	80	120	0%	
Terphenyl-d14	S	ug/L	152.1715	152.1715		150	0	0	1.17	10	0	101%	80	120	0%	
4-Chloroaniline	X	ug/L	150.52324	150.52324		150	0	0	1.61	10	150	100%	80	120	0%	
o-Terphenyl	X	ug/L	143.8799	143.8799		150	0	0	1.27	10	150	96%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044796	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 8:53:2	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	119.8787	119.8787		120	0	0	1.9	10	150	100%	80	120	0%	
1,2-Dichlorobenzene	A	ug/L	121.0749	121.0749		120	0	0	1.97	10	150	101%	80	120	0%	
1,3-Dichlorobenzene	A	ug/L	123.77035	123.77035		120	0	0	2.13	10	150	103%	80	120	0%	
1,4-Dichlorobenzene	A	ug/L	122.13069	122.13069		120	0	0	2.02	10	150	102%	80	120	0%	
1-Methylnaphthalene	A	ug/L	122.4836	122.4836		120	0	0	2.39	10	150	102%	80	120	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	126.77779	126.77779		120	0	0	1.45	10	150	106%	80	120	0%	
2,4,5-Trichlorophenol	A	ug/L	122.64538	122.64538		120	0	0	2.23	10	150	102%	80	120	0%	
2,4,6-Trichlorophenol	A	ug/L	126.49409	126.49409		120	0	0	2.64	10	150	105%	80	120	0%	
2,4-Dichlorophenol	A	ug/L	126.8965	126.8965		120	0	0	1.69	10	150	106%	80	120	0%	
2,4-Dimethylphenol	A	ug/L	124.28586	124.28586		120	0	0	1.69	10	150	104%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044796	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 8:53:2	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	121.63069	121.63069		120	0	0	4.26	10	150	101%	80	120	0%	
2,4-Dinitrotoluene	A	ug/L	122.80601	122.80601		120	0	0	3.04	10	150	102%	80	120	0%	
2,6-Dinitrotoluene	A	ug/L	134.50879	134.50879		120	0	0	3.2	10	150	112%	80	120	0%	
2-Chloronaphthalene	A	ug/L	116.0457	116.0457		120	0	0	2.14	10	150	97%	80	120	0%	
2-Chlorophenol	A	ug/L	122.70164	122.70164		120	0	0	2.48	10	150	102%	80	120	0%	
2-Methylnaphthalene	A	ug/L	119.27027	119.27027		120	0	0	1.92	10	150	99%	80	120	0%	
2-Nitroaniline	A	ug/L	129.8078	129.8078		120	0	0	2.4	10	150	108%	80	120	0%	
2-Nitrophenol	A	ug/L	126.52723	126.52723		120	0	0	2.36	10	150	105%	80	120	0%	
3,3´-Dichlorobenzidine	A	ug/L	123.47671	123.47671		120	0	0	2.11	10	150	103%	80	120	0%	
3-Nitroaniline	A	ug/L	130.39719	130.39719		120	0	0	2.77	10	150	109%	80	120	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	121.12317	121.12317		120	0	0	2.33	10	150	101%	80	120	0%	
4-Bromophenyl phenyl ether	A	ug/L	126.15861	126.15861		120	0	0	1.74	10	150	105%	80	120	0%	
4-Chloro-2-methylphenol	A	ug/L	125.80595	125.80595		120	0	0	1.6	10	150	105%	80	120	0%	
4-Chloro-3-methylphenol	A	ug/L	124.16814	124.16814		120	0	0	1.46	10	150	103%	80	120	0%	
4-Chlorophenol	A	ug/L	122.63725	122.63725		120	0	0	2.64	10	150	102%	80	120	0%	
4-Chlorophenyl phenyl ether	A	ug/L	127.48107	127.48107		120	0	0	2.03	10	150	106%	80	120	0%	
4-Nitroaniline	A	ug/L	114.20275	114.20275		120	0	0	1.63	10	150	95%	80	120	0%	
4-Nitrophenol	A	ug/L	126.29442	126.29442		120	0	0	2.5	10	150	105%	80	120	0%	
Acenaphthene	A	ug/L	117.15509	117.15509		120	0	0	1.89	10	150	98%	80	120	0%	
Acenaphthylene	A	ug/L	121.46322	121.46322		120	0	0	1.57	10	150	101%	80	120	0%	
Aniline	A	ug/L	123.9193	123.9193		120	0	0	3.74	10	150	103%	80	120	0%	
Anthracene	A	ug/L	119.30268	119.30268		120	0	0	1.23	10	150	99%	80	120	0%	
Azobenzene	A	ug/L	120.26687	120.26687		120	0	0	1.09	10	150	100%	80	120	0%	
Benzidine	A	ug/L	114.71597	114.71597		120	0	0	6.72	10	150	96%	80	120	0%	
Benzo(a)anthracene	A	ug/L	123.9899	123.9899		120	0	0	0.856	10	150	103%	80	120	0%	
Benzo(a)pyrene	A	ug/L	122.23759	122.23759		120	0	0	1.24	10	150	102%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	120.71335	120.71335		120	0	0	0.903	10	150	101%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	120.91018	120.91018		120	0	0	1.01	10	150	101%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	117.59469	117.59469		120	0	0	0.97	10	150	98%	80	120	0%	
Benzoic acid	A	ug/L	128.59804	128.59804		120	0	0	1.51	10	150	107%	80	120	0%	
Benzyl alcohol	A	ug/L	125.23751	125.23751		120	0	0	3.13	10	150	104%	80	120	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	127.37973	127.37973		120	0	0	1.36	10	150	106%	80	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	122.23115	122.23115		120	0	0	2.57	10	150	102%	80	120	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	126.77779	126.77779		120	0	0	1.49	10	150	106%	80	120	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	124.12988	124.12988		120	0	0	1.91	10	150	103%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044796	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 8:53:2	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Butylbenzylphthalate	A	ug/L	123.21535	123.21535		120	0	0	1.57	10	150	103%	80	120	0%	
Carbazole	A	ug/L	120.47323	120.47323		120	0	0	0.842	10	150	100%	80	120	0%	
Chrysene	A	ug/L	122.27869	122.27869		120	0	0	1.17	10	150	102%	80	120	0%	
Di-n-butyl phthalate	A	ug/L	121.01434	121.01434		120	0	0	0.932	10	150	101%	80	120	0%	
Di-n-octyl phthalate	A	ug/L	121.10996	121.10996		120	0	0	1.34	10	150	101%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	122.77736	122.77736		120	0	0	1.17	10	150	102%	80	120	0%	
Dibenzofuran	A	ug/L	118.49461	118.49461		120	0	0	1.74	10	150	99%	80	120	0%	
Diethyl phthalate	A	ug/L	125.76711	125.76711		120	0	0	2.18	10	150	105%	80	120	0%	
Dimethyl phthalate	A	ug/L	119.42137	119.42137		120	0	0	1.72	10	150	100%	80	120	0%	
Fluoranthene	A	ug/L	120.70965	120.70965		120	0	0	0.883	10	150	101%	80	120	0%	
Fluorene	A	ug/L	114.45231	114.45231		120	0	0	1.82	10	150	95%	80	120	0%	
Hexachlorobenzene	A	ug/L	123.94405	123.94405		120	0	0	1.33	10	150	103%	80	120	0%	
Hexachlorobutadiene	A	ug/L	120.44215	120.44215		120	0	0	2.32	10	150	100%	80	120	0%	
Hexachlorocyclopentadiene	A	ug/L	118.72291	118.72291		120	0	0	2.97	10	150	99%	80	120	0%	
Hexachloroethane	A	ug/L	124.58292	124.58292		120	0	0	1.79	10	150	104%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	119.11495	119.11495		120	0	0	1.25	10	150	99%	80	120	0%	
Isophorone	A	ug/L	123.48588	123.48588		120	0	0	1.67	10	150	103%	80	120	0%	
m+p-Cresols	A	ug/L	119.74612	119.74612		120	0	0	1.78	10	150	100%	80	120	0%	
n-Nitroso-di-n-propylamine	A	ug/L	117.70162	117.70162		120	0	0	1.54	10	150	98%	80	120	0%	
n-Nitrosodimethylamine	A	ug/L	116.57937	116.57937		120	0	0	1.53	10	150	97%	80	120	0%	
n-Nitrosodiphenylamine	A	ug/L	120.73443	120.73443		120	0	0	1.16	10	150	101%	80	120	0%	
Naphthalene	A	ug/L	123.61825	123.61825		120	0	0	1.74	10	150	103%	80	120	0%	
Nitrobenzene	A	ug/L	125.15614	125.15614		120	0	0	2.31	10	150	104%	80	120	0%	
o-Cresol	A	ug/L	125.2574	125.2574		120	0	0	1.83	10	150	104%	80	120	0%	
p-Chloroaniline	A	ug/L	119.20435	119.20435		120	0	0	1.52	10	150	99%	80	120	0%	
Pentachlorophenol	A	ug/L	118.92285	118.92285		120	0	0	4.24	10	150	99%	80	120	0%	
Phenanthrene	A	ug/L	119.62586	119.62586		120	0	0	0.784	10	150	100%	80	120	0%	
Phenol	A	ug/L	125.92767	125.92767		120	0	0	1.46	10	150	105%	80	120	0%	
Pyrene	A	ug/L	118.6872	118.6872		120	0	0	0.921	10	150	99%	80	120	0%	
Pyridine	A	ug/L	123.75618	123.75618		120	0	0	3.22	10	150	103%	80	120	0%	
Triallate	A	ug/L	120.43247	120.43247		120	0	0	1.51	10	150	100%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	

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Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044796	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 8:53:2	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	120.62911	120.62911		120	0	0	2.88	10	0	101%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	120.38835	120.38835		120	0	0	0.724	10	0	100%	80	120	0%	
2-Fluorophenol	S	ug/L	120.34264	120.34264		120	0	0	3.52	10	0	100%	80	120	0%	
Nitrobenzene-d5	S	ug/L	123.29478	123.29478		120	0	0	2.34	10	0	103%	80	120	0%	
Phenol-d5	S	ug/L	122.8556	122.8556		120	0	0	2.06	10	0	102%	80	120	0%	
Terphenyl-d14	S	ug/L	120.36561	120.36561		120	0	0	1.17	10	0	100%	80	120	0%	
4-Chloroaniline	X	ug/L	119.20435	119.20435		120	0	0	1.61	10	150	99%	80	120	0%	
o-Terphenyl	X	ug/L	125.09349	125.09349		120	0	0	1.27	10	150	104%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044797	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 9:25:4	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	101.66431	101.66431		100	0	0	1.9	10	150	102%	80	120	0%	
1,2-Dichlorobenzene	A	ug/L	100.92849	100.92849		100	0	0	1.97	10	150	101%	80	120	0%	
1,3-Dichlorobenzene	A	ug/L	101.77872	101.77872		100	0	0	2.13	10	150	102%	80	120	0%	
1,4-Dichlorobenzene	A	ug/L	102.76257	102.76257		100	0	0	2.02	10	150	103%	80	120	0%	
1-Methylnaphthalene	A	ug/L	97.08559	97.08559		100	0	0	2.39	10	150	97%	80	120	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	101.36002	101.36002		100	0	0	1.45	10	150	101%	80	120	0%	
2,4,5-Trichlorophenol	A	ug/L	100.84508	100.84508		100	0	0	2.23	10	150	101%	80	120	0%	
2,4,6-Trichlorophenol	A	ug/L	108.66773	108.66773		100	0	0	2.64	10	150	109%	80	120	0%	
2,4-Dichlorophenol	A	ug/L	102.45169	102.45169		100	0	0	1.69	10	150	102%	80	120	0%	
2,4-Dimethylphenol	A	ug/L	109.8715	109.8715		100	0	0	1.69	10	150	110%	80	120	0%	
2,4-Dinitrophenol	A	ug/L	103.59952	103.59952		100	0	0	4.26	10	150	104%	80	120	0%	
2,4-Dinitrotoluene	A	ug/L	100.94	100.94		100	0	0	3.04	10	150	101%	80	120	0%	
2,6-Dinitrotoluene	A	ug/L	98.50842	98.50842		100	0	0	3.2	10	150	99%	80	120	0%	
2-Chloronaphthalene	A	ug/L	99.92743	99.92743		100	0	0	2.14	10	150	100%	80	120	0%	
2-Chlorophenol	A	ug/L	103.26	103.26		100	0	0	2.48	10	150	103%	80	120	0%	
2-Methylnaphthalene	A	ug/L	99.78379	99.78379		100	0	0	1.92	10	150	100%	80	120	0%	
2-Nitroaniline	A	ug/L	109.61505	109.61505		100	0	0	2.4	10	150	110%	80	120	0%	
2-Nitrophenol	A	ug/L	103.62541	103.62541		100	0	0	2.36	10	150	104%	80	120	0%	
3,3´-Dichlorobenzidine	A	ug/L	103.76438	103.76438		100	0	0	2.11	10	150	104%	80	120	0%	
3-Nitroaniline	A	ug/L	100.92359	100.92359		100	0	0	2.77	10	150	101%	80	120	0%	

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Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044797	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 9:25:4	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4,6-Dinitro-2-methylphenol	A	ug/L	104.41622	104.41622		100	0	0	2.33	10	150	104%	80	120	0%	
4-Bromophenyl phenyl ether	A	ug/L	100.85949	100.85949		100	0	0	1.74	10	150	101%	80	120	0%	
4-Chloro-2-methylphenol	A	ug/L	103.75767	103.75767		100	0	0	1.6	10	150	104%	80	120	0%	
4-Chloro-3-methylphenol	A	ug/L	99.93339	99.93339		100	0	0	1.46	10	150	100%	80	120	0%	
4-Chlorophenol	A	ug/L	101.0255	101.0255		100	0	0	2.64	10	150	101%	80	120	0%	
4-Chlorophenyl phenyl ether	A	ug/L	105.98931	105.98931		100	0	0	2.03	10	150	106%	80	120	0%	
4-Nitroaniline	A	ug/L	112.88014	112.88014		100	0	0	1.63	10	150	113%	80	120	0%	
4-Nitrophenol	A	ug/L	102.3911	102.3911		100	0	0	2.5	10	150	102%	80	120	0%	
Acenaphthene	A	ug/L	97.80348	97.80348		100	0	0	1.89	10	150	98%	80	120	0%	
Acenaphthylene	A	ug/L	98.74058	98.74058		100	0	0	1.57	10	150	99%	80	120	0%	
Aniline	A	ug/L	103.43793	103.43793		100	0	0	3.74	10	150	103%	80	120	0%	
Anthracene	A	ug/L	108.10908	108.10908		100	0	0	1.23	10	150	108%	80	120	0%	
Azobenzene	A	ug/L	96.53176	96.53176		100	0	0	1.09	10	150	97%	80	120	0%	
Benzidine	A	ug/L	101.75405	101.75405		100	0	0	6.72	10	150	102%	80	120	0%	
Benzo(a)anthracene	A	ug/L	104.03338	104.03338		100	0	0	0.856	10	150	104%	80	120	0%	
Benzo(a)pyrene	A	ug/L	101.22955	101.22955		100	0	0	1.24	10	150	101%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	102.07504	102.07504		100	0	0	0.903	10	150	102%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	103.24746	103.24746		100	0	0	1.01	10	150	103%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	104.87177	104.87177		100	0	0	0.97	10	150	105%	80	120	0%	
Benzoic acid	A	ug/L	96.09723	96.09723		100	0	0	1.51	10	150	96%	80	120	0%	
Benzyl alcohol	A	ug/L	103.17268	103.17268		100	0	0	3.13	10	150	103%	80	120	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	100.64468	100.64468		100	0	0	1.36	10	150	101%	80	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	100.80378	100.80378		100	0	0	2.57	10	150	101%	80	120	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	101.36002	101.36002		100	0	0	1.49	10	150	101%	80	120	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	100.90221	100.90221		100	0	0	1.91	10	150	101%	80	120	0%	
Butylbenzylphthalate	A	ug/L	102.96903	102.96903		100	0	0	1.57	10	150	103%	80	120	0%	
Carbazole	A	ug/L	100.37301	100.37301		100	0	0	0.842	10	150	100%	80	120	0%	
Chrysene	A	ug/L	102.07572	102.07572		100	0	0	1.17	10	150	102%	80	120	0%	
Di-n-butyl phthalate	A	ug/L	103.47461	103.47461		100	0	0	0.932	10	150	103%	80	120	0%	
Di-n-octyl phthalate	A	ug/L	104.01537	104.01537		100	0	0	1.34	10	150	104%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	100.1029	100.1029		100	0	0	1.17	10	150	100%	80	120	0%	
Dibenzofuran	A	ug/L	101.05909	101.05909		100	0	0	1.74	10	150	101%	80	120	0%	
Diethyl phthalate	A	ug/L	99.04085	99.04085		100	0	0	2.18	10	150	99%	80	120	0%	
Dimethyl phthalate	A	ug/L	100.11411	100.11411		100	0	0	1.72	10	150	100%	80	120	0%	
Fluoranthene	A	ug/L	102.2753	102.2753		100	0	0	0.883	10	150	102%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist				
15044797	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 9:25:4	1	R374941		0	0					

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluorene	A	ug/L	98.66141	98.66141		100	0	0	1.82	10	150	99%	80	120	0%	
Hexachlorobenzene	A	ug/L	109.2193	109.2193		100	0	0	1.33	10	150	109%	80	120	0%	
Hexachlorobutadiene	A	ug/L	103.452	103.452		100	0	0	2.32	10	150	103%	80	120	0%	
Hexachlorocyclopentadiene	A	ug/L	105.43903	105.43903		100	0	0	2.97	10	150	105%	80	120	0%	
Hexachloroethane	A	ug/L	102.70564	102.70564		100	0	0	1.79	10	150	103%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	106.88976	106.88976		100	0	0	1.25	10	150	107%	80	120	0%	
Isophorone	A	ug/L	101.01511	101.01511		100	0	0	1.67	10	150	101%	80	120	0%	
m+p-Cresols	A	ug/L	103.0919	103.0919		100	0	0	1.78	10	150	103%	80	120	0%	
n-Nitroso-di-n-propylamine	A	ug/L	98.7706	98.7706		100	0	0	1.54	10	150	99%	80	120	0%	
n-Nitrosodimethylamine	A	ug/L	105.93601	105.93601		100	0	0	1.53	10	150	106%	80	120	0%	
n-Nitrosodiphenylamine	A	ug/L	102.07401	102.07401		100	0	0	1.16	10	150	102%	80	120	0%	
Naphthalene	A	ug/L	103.35312	103.35312		100	0	0	1.74	10	150	103%	80	120	0%	
Nitrobenzene	A	ug/L	110.58481	110.58481		100	0	0	2.31	10	150	111%	80	120	0%	
o-Cresol	A	ug/L	103.78909	103.78909		100	0	0	1.83	10	150	104%	80	120	0%	
p-Chloroaniline	A	ug/L	97.20961	97.20961		100	0	0	1.52	10	150	97%	80	120	0%	
Pentachlorophenol	A	ug/L	105.17581	105.17581		100	0	0	4.24	10	150	105%	80	120	0%	
Phenanthrene	A	ug/L	109.23363	109.23363		100	0	0	0.784	10	150	109%	80	120	0%	
Phenol	A	ug/L	100.54822	100.54822		100	0	0	1.46	10	150	101%	80	120	0%	
Pyrene	A	ug/L	102.88375	102.88375		100	0	0	0.921	10	150	103%	80	120	0%	
Pyridine	A	ug/L	102.84588	102.84588		100	0	0	3.22	10	150	103%	80	120	0%	
Triallate	A	ug/L	101.06785	101.06785		100	0	0	1.51	10	150	101%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	102.02537	102.02537		100	0	0	2.88	10	0	102%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	106.1193	106.1193		100	0	0	0.724	10	0	106%	80	120	0%	
2-Fluorophenol	S	ug/L	103.47921	103.47921		100	0	0	3.52	10	0	103%	80	120	0%	
Nitrobenzene-d5	S	ug/L	102.56999	102.56999		100	0	0	2.34	10	0	103%	80	120	0%	
Phenol-d5	S	ug/L	101.54346	101.54346		100	0	0	2.06	10	0	102%	80	120	0%	
Terphenyl-d14	S	ug/L	100.65082	100.65082		100	0	0	1.17	10	0	101%	80	120	0%	
4-Chloroaniline	X	ug/L	97.20961	97.20961		100	0	0	1.61	10	150	97%	80	120	0%	
o-Terphenyl	X	ug/L	106.47613	106.47613		100	0	0	1.27	10	150	106%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044798	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218	2/19/2022 9:57:5	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	77.81585	77.81585		75	0	0	1.9	10	150	104%	80	120	0%	
1,2-Dichlorobenzene	A	ug/L	75.74776	75.74776		75	0	0	1.97	10	150	101%	80	120	0%	
1,3-Dichlorobenzene	A	ug/L	76.0831	76.0831		75	0	0	2.13	10	150	101%	80	120	0%	
1,4-Dichlorobenzene	A	ug/L	76.86319	76.86319		75	0	0	2.02	10	150	102%	80	120	0%	
1-Methylnaphthalene	A	ug/L	73.02262	73.02262		75	0	0	2.39	10	150	97%	80	120	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	74.80037	74.80037		75	0	0	1.45	10	150	100%	80	120	0%	
2,4,5-Trichlorophenol	A	ug/L	77.92109	77.92109		75	0	0	2.23	10	150	104%	80	120	0%	
2,4,6-Trichlorophenol	A	ug/L	74.24235	74.24235		75	0	0	2.64	10	150	99%	80	120	0%	
2,4-Dichlorophenol	A	ug/L	75.22952	75.22952		75	0	0	1.69	10	150	100%	80	120	0%	
2,4-Dimethylphenol	A	ug/L	75.43391	75.43391		75	0	0	1.69	10	150	101%	80	120	0%	
2,4-Dinitrophenol	A	ug/L	74.36244	74.36244		75	0	0	4.26	10	150	99%	80	120	0%	
2,4-Dinitrotoluene	A	ug/L	75.6678	75.6678		75	0	0	3.04	10	150	101%	80	120	0%	
2,6-Dinitrotoluene	A	ug/L	75.44799	75.44799		75	0	0	3.2	10	150	101%	80	120	0%	
2-Chloronaphthalene	A	ug/L	79.05037	79.05037		75	0	0	2.14	10	150	105%	80	120	0%	
2-Chlorophenol	A	ug/L	75.22845	75.22845		75	0	0	2.48	10	150	100%	80	120	0%	
2-Methylnaphthalene	A	ug/L	73.63204	73.63204		75	0	0	1.92	10	150	98%	80	120	0%	
2-Nitroaniline	A	ug/L	69.01739	69.01739		75	0	0	2.4	10	150	92%	80	120	0%	
2-Nitrophenol	A	ug/L	72.89708	72.89708		75	0	0	2.36	10	150	97%	80	120	0%	
3,3´-Dichlorobenzidine	A	ug/L	74.8233	74.8233		75	0	0	2.11	10	150	100%	80	120	0%	
3-Nitroaniline	A	ug/L	76.85143	76.85143		75	0	0	2.77	10	150	102%	80	120	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	71.58336	71.58336		75	0	0	2.33	10	150	95%	80	120	0%	
4-Bromophenyl phenyl ether	A	ug/L	68.67301	68.67301		75	0	0	1.74	10	150	92%	80	120	0%	
4-Chloro-2-methylphenol	A	ug/L	77.96972	77.96972		75	0	0	1.6	10	150	104%	80	120	0%	
4-Chloro-3-methylphenol	A	ug/L	75.67839	75.67839		75	0	0	1.46	10	150	101%	80	120	0%	
4-Chlorophenol	A	ug/L	75.73728	75.73728		75	0	0	2.64	10	150	101%	80	120	0%	
4-Chlorophenyl phenyl ether	A	ug/L	72.54827	72.54827		75	0	0	2.03	10	150	97%	80	120	0%	
4-Nitroaniline	A	ug/L	75.79605	75.79605		75	0	0	1.63	10	150	101%	80	120	0%	
4-Nitrophenol	A	ug/L	75.82722	75.82722		75	0	0	2.5	10	150	101%	80	120	0%	
Acenaphthene	A	ug/L	77.02511	77.02511		75	0	0	1.89	10	150	103%	80	120	0%	
Acenaphthylene	A	ug/L	74.22139	74.22139		75	0	0	1.57	10	150	99%	80	120	0%	
Aniline	A	ug/L	73.85143	73.85143		75	0	0	3.74	10	150	98%	80	120	0%	
Anthracene	A	ug/L	78.01886	78.01886		75	0	0	1.23	10	150	104%	80	120	0%	
Azobenzene	A	ug/L	75.70226	75.70226		75	0	0	1.09	10	150	101%	80	120	0%	
Benzidine	A	ug/L	77.04542	77.04542		75	0	0	6.72	10	150	103%	80	120	0%	
Benzo(a)anthracene	A	ug/L	77.09789	77.09789		75	0	0	0.856	10	150	103%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044798	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218	2/19/2022 9:57:5	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	75.1028	75.1028		75	0	0	1.24	10	150	100%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	76.65597	76.65597		75	0	0	0.903	10	150	102%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	75.63879	75.63879		75	0	0	1.01	10	150	101%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	74.9266	74.9266		75	0	0	0.97	10	150	100%	80	120	0%	
Benzoic acid	A	ug/L	77.86511	77.86511		75	0	0	1.51	10	150	104%	80	120	0%	
Benzyl alcohol	A	ug/L	74.87572	74.87572		75	0	0	3.13	10	150	100%	80	120	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	71.38608	71.38608		75	0	0	1.36	10	150	95%	80	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	76.0889	76.0889		75	0	0	2.57	10	150	101%	80	120	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	74.80037	74.80037		75	0	0	1.49	10	150	100%	80	120	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	75.13757	75.13757		75	0	0	1.91	10	150	100%	80	120	0%	
Butylbenzylphthalate	A	ug/L	74.47626	74.47626		75	0	0	1.57	10	150	99%	80	120	0%	
Carbazole	A	ug/L	74.78728	74.78728		75	0	0	0.842	10	150	100%	80	120	0%	
Chrysene	A	ug/L	74.7328	74.7328		75	0	0	1.17	10	150	100%	80	120	0%	
Di-n-butyl phthalate	A	ug/L	74.70478	74.70478		75	0	0	0.932	10	150	100%	80	120	0%	
Di-n-octyl phthalate	A	ug/L	76.21905	76.21905		75	0	0	1.34	10	150	102%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	77.73601	77.73601		75	0	0	1.17	10	150	104%	80	120	0%	
Dibenzofuran	A	ug/L	82.28135	82.28135		75	0	0	1.74	10	150	110%	80	120	0%	
Diethyl phthalate	A	ug/L	79.23752	79.23752		75	0	0	2.18	10	150	106%	80	120	0%	
Dimethyl phthalate	A	ug/L	80.71671	80.71671		75	0	0	1.72	10	150	108%	80	120	0%	
Fluoranthene	A	ug/L	73.62609	73.62609		75	0	0	0.883	10	150	98%	80	120	0%	
Fluorene	A	ug/L	78.26263	78.26263		75	0	0	1.82	10	150	104%	80	120	0%	
Hexachlorobenzene	A	ug/L	71.13503	71.13503		75	0	0	1.33	10	150	95%	80	120	0%	
Hexachlorobutadiene	A	ug/L	77.3594	77.3594		75	0	0	2.32	10	150	103%	80	120	0%	
Hexachlorocyclopentadiene	A	ug/L	76.13851	76.13851		75	0	0	2.97	10	150	102%	80	120	0%	
Hexachloroethane	A	ug/L	74.44849	74.44849		75	0	0	1.79	10	150	99%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	74.28389	74.28389		75	0	0	1.25	10	150	99%	80	120	0%	
Isophorone	A	ug/L	77.15185	77.15185		75	0	0	1.67	10	150	103%	80	120	0%	
m+p-Cresols	A	ug/L	77.00329	77.00329		75	0	0	1.78	10	150	103%	80	120	0%	
n-Nitroso-di-n-propylamine	A	ug/L	75.06453	75.06453		75	0	0	1.54	10	150	100%	80	120	0%	
n-Nitrosodimethylamine	A	ug/L	74.63005	74.63005		75	0	0	1.53	10	150	100%	80	120	0%	
n-Nitrosodiphenylamine	A	ug/L	73.97084	73.97084		75	0	0	1.16	10	150	99%	80	120	0%	
Naphthalene	A	ug/L	78.10392	78.10392		75	0	0	1.74	10	150	104%	80	120	0%	
Nitrobenzene	A	ug/L	70.29477	70.29477		75	0	0	2.31	10	150	94%	80	120	0%	
o-Cresol	A	ug/L	72.60949	72.60949		75	0	0	1.83	10	150	97%	80	120	0%	
p-Chloroaniline	A	ug/L	79.6395	79.6395		75	0	0	1.52	10	150	106%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044798	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 9:57:5	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pentachlorophenol	A	ug/L	72.86501	72.86501		75	0	0	4.24	10	150	97%	80	120	0%	
Phenanthrene	A	ug/L	72.53772	72.53772		75	0	0	0.784	10	150	97%	80	120	0%	
Phenol	A	ug/L	74.69702	74.69702		75	0	0	1.46	10	150	100%	80	120	0%	
Pyrene	A	ug/L	73.17698	73.17698		75	0	0	0.921	10	150	98%	80	120	0%	
Pyridine	A	ug/L	73.75015	73.75015		75	0	0	3.22	10	150	98%	80	120	0%	
Triallate	A	ug/L	74.1071	74.1071		75	0	0	1.51	10	150	99%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	75.30826	75.30826		75	0	0	2.88	10	0	100%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	72.88063	72.88063		75	0	0	0.724	10	0	97%	80	120	0%	
2-Fluorophenol	S	ug/L	74.23548	74.23548		75	0	0	3.52	10	0	99%	80	120	0%	
Nitrobenzene-d5	S	ug/L	75.1559	75.1559		75	0	0	2.34	10	0	100%	80	120	0%	
Phenol-d5	S	ug/L	74.59662	74.59662		75	0	0	2.06	10	0	99%	80	120	0%	
Terphenyl-d14	S	ug/L	73.65487	73.65487		75	0	0	1.17	10	0	98%	80	120	0%	
4-Chloroaniline	X	ug/L	79.6395	79.6395		75	0	0	1.61	10	150	106%	80	120	0%	
o-Terphenyl	X	ug/L	71.746	71.746		75	0	0	1.27	10	150	96%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044799	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 10:43:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	47.49782	47.49782		50	0	0	1.9	10	150	95%	80	120	0%	
1,2-Dichlorobenzene	A	ug/L	48.89452	48.89452		50	0	0	1.97	10	150	98%	80	120	0%	
1,3-Dichlorobenzene	A	ug/L	47.68319	47.68319		50	0	0	2.13	10	150	95%	80	120	0%	
1,4-Dichlorobenzene	A	ug/L	47.52081	47.52081		50	0	0	2.02	10	150	95%	80	120	0%	
1-Methylnaphthalene	A	ug/L	52.07647	52.07647		50	0	0	2.39	10	150	104%	80	120	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	48.10974	48.10974		50	0	0	1.45	10	150	96%	80	120	0%	
2,4,5-Trichlorophenol	A	ug/L	47.37548	47.37548		50	0	0	2.23	10	150	95%	80	120	0%	
2,4,6-Trichlorophenol	A	ug/L	44.73831	44.73831		50	0	0	2.64	10	150	89%	80	120	0%	
2,4-Dichlorophenol	A	ug/L	46.88832	46.88832		50	0	0	1.69	10	150	94%	80	120	0%	
2,4-Dimethylphenol	A	ug/L	44.70578	44.70578		50	0	0	1.69	10	150	89%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044799	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 10:43:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	48.51587	48.51587		50	0	0	4.26	10	150	97%	80	120	0%	
2,4-Dinitrotoluene	A	ug/L	49.02327	49.02327		50	0	0	3.04	10	150	98%	80	120	0%	
2,6-Dinitrotoluene	A	ug/L	46.78734	46.78734		50	0	0	3.2	10	150	94%	80	120	0%	
2-Chloronaphthalene	A	ug/L	49.7944	49.7944		50	0	0	2.14	10	150	100%	80	120	0%	
2-Chlorophenol	A	ug/L	47.89159	47.89159		50	0	0	2.48	10	150	96%	80	120	0%	
2-Methylnaphthalene	A	ug/L	51.06366	51.06366		50	0	0	1.92	10	150	102%	80	120	0%	
2-Nitroaniline	A	ug/L	47.82194	47.82194		50	0	0	2.4	10	150	96%	80	120	0%	
2-Nitrophenol	A	ug/L	47.69037	47.69037		50	0	0	2.36	10	150	95%	80	120	0%	
3,3´-Dichlorobenzidine	A	ug/L	47.61876	47.61876		50	0	0	2.11	10	150	95%	80	120	0%	
3-Nitroaniline	A	ug/L	45.4914	45.4914		50	0	0	2.77	10	150	91%	80	120	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	50.34008	50.34008		50	0	0	2.33	10	150	101%	80	120	0%	
4-Bromophenyl phenyl ether	A	ug/L	52.13331	52.13331		50	0	0	1.74	10	150	104%	80	120	0%	
4-Chloro-2-methylphenol	A	ug/L	44.56129	44.56129		50	0	0	1.6	10	150	89%	80	120	0%	
4-Chloro-3-methylphenol	A	ug/L	49.29631	49.29631		50	0	0	1.46	10	150	99%	80	120	0%	
4-Chlorophenol	A	ug/L	47.75558	47.75558		50	0	0	2.64	10	150	96%	80	120	0%	
4-Chlorophenyl phenyl ether	A	ug/L	46.23071	46.23071		50	0	0	2.03	10	150	92%	80	120	0%	
4-Nitroaniline	A	ug/L	44.97873	44.97873		50	0	0	1.63	10	150	90%	80	120	0%	
4-Nitrophenol	A	ug/L	46.22433	46.22433		50	0	0	2.5	10	150	92%	80	120	0%	
Acenaphthene	A	ug/L	50.6665	50.6665		50	0	0	1.89	10	150	101%	80	120	0%	
Acenaphthylene	A	ug/L	51.2174	51.2174		50	0	0	1.57	10	150	102%	80	120	0%	
Aniline	A	ug/L	48.72881	48.72881		50	0	0	3.74	10	150	97%	80	120	0%	
Anthracene	A	ug/L	48.80248	48.80248		50	0	0	1.23	10	150	98%	80	120	0%	
Azobenzene	A	ug/L	52.22828	52.22828		50	0	0	1.09	10	150	104%	80	120	0%	
Benzidine	A	ug/L	49.71612	49.71612		50	0	0	6.72	10	150	99%	80	120	0%	
Benzo(a)anthracene	A	ug/L	49.74701	49.74701		50	0	0	0.856	10	150	99%	80	120	0%	
Benzo(a)pyrene	A	ug/L	49.50899	49.50899		50	0	0	1.24	10	150	99%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	48.10542	48.10542		50	0	0	0.903	10	150	96%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	48.08698	48.08698		50	0	0	1.01	10	150	96%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	48.70037	48.70037		50	0	0	0.97	10	150	97%	80	120	0%	
Benzoic acid	A	ug/L	47.34543	47.34543		50	0	0	1.51	10	150	95%	80	120	0%	
Benzyl alcohol	A	ug/L	46.57153	46.57153		50	0	0	3.13	10	150	93%	80	120	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	50.56988	50.56988		50	0	0	1.36	10	150	101%	80	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	48.52521	48.52521		50	0	0	2.57	10	150	97%	80	120	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	48.10974	48.10974		50	0	0	1.49	10	150	96%	80	120	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	47.69525	47.69525		50	0	0	1.91	10	150	95%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044799	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218	2/19/2022 10:43:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Butylbenzylphthalate	A	ug/L	47.62818	47.62818		50	0	0	1.57	10	150	95%	80	120	0%	
Carbazole	A	ug/L	49.70965	49.70965		50	0	0	0.842	10	150	99%	80	120	0%	
Chrysene	A	ug/L	48.6971	48.6971		50	0	0	1.17	10	150	97%	80	120	0%	
Di-n-butyl phthalate	A	ug/L	48.98937	48.98937		50	0	0	0.932	10	150	98%	80	120	0%	
Di-n-octyl phthalate	A	ug/L	46.43771	46.43771		50	0	0	1.34	10	150	93%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	47.76778	47.76778		50	0	0	1.17	10	150	96%	80	120	0%	
Dibenzofuran	A	ug/L	45.2583	45.2583		50	0	0	1.74	10	150	91%	80	120	0%	
Diethyl phthalate	A	ug/L	46.1993	46.1993		50	0	0	2.18	10	150	92%	80	120	0%	
Dimethyl phthalate	A	ug/L	46.80585	46.80585		50	0	0	1.72	10	150	94%	80	120	0%	
Fluoranthene	A	ug/L	49.47487	49.47487		50	0	0	0.883	10	150	99%	80	120	0%	
Fluorene	A	ug/L	49.93194	49.93194		50	0	0	1.82	10	150	100%	80	120	0%	
Hexachlorobenzene	A	ug/L	47.26334	47.26334		50	0	0	1.33	10	150	95%	80	120	0%	
Hexachlorobutadiene	A	ug/L	46.55365	46.55365		50	0	0	2.32	10	150	93%	80	120	0%	
Hexachlorocyclopentadiene	A	ug/L	47.65317	47.65317		50	0	0	2.97	10	150	95%	80	120	0%	
Hexachloroethane	A	ug/L	47.79409	47.79409		50	0	0	1.79	10	150	96%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	48.03445	48.03445		50	0	0	1.25	10	150	96%	80	120	0%	
Isophorone	A	ug/L	47.66141	47.66141		50	0	0	1.67	10	150	95%	80	120	0%	
m+p-Cresols	A	ug/L	48.07958	48.07958		50	0	0	1.78	10	150	96%	80	120	0%	
n-Nitroso-di-n-propylamine	A	ug/L	52.01079	52.01079		50	0	0	1.54	10	150	104%	80	120	0%	
n-Nitrosodimethylamine	A	ug/L	47.73125	47.73125		50	0	0	1.53	10	150	95%	80	120	0%	
n-Nitrosodiphenylamine	A	ug/L	49.75967	49.75967		50	0	0	1.16	10	150	100%	80	120	0%	
Naphthalene	A	ug/L	45.7297	45.7297		50	0	0	1.74	10	150	91%	80	120	0%	
Nitrobenzene	A	ug/L	48.95503	48.95503		50	0	0	2.31	10	150	98%	80	120	0%	
o-Cresol	A	ug/L	48.80016	48.80016		50	0	0	1.83	10	150	98%	80	120	0%	
p-Chloroaniline	A	ug/L	49.04775	49.04775		50	0	0	1.52	10	150	98%	80	120	0%	
Pentachlorophenol	A	ug/L	49.50704	49.50704		50	0	0	4.24	10	150	99%	80	120	0%	
Phenanthrene	A	ug/L	47.64459	47.64459		50	0	0	0.784	10	150	95%	80	120	0%	
Phenol	A	ug/L	48.5783	48.5783		50	0	0	1.46	10	150	97%	80	120	0%	
Pyrene	A	ug/L	50.16848	50.16848		50	0	0	0.921	10	150	100%	80	120	0%	
Pyridine	A	ug/L	49.31728	49.31728		50	0	0	3.22	10	150	99%	80	120	0%	
Triallate	A	ug/L	50.65326	50.65326		50	0	0	1.51	10	150	101%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044799	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 10:43:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	48.86918	48.86918		50	0	0	2.88	10	0	98%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	48.38536	48.38536		50	0	0	0.724	10	0	97%	80	120	0%	
2-Fluorophenol	S	ug/L	49.44605	49.44605		50	0	0	3.52	10	0	99%	80	120	0%	
Nitrobenzene-d5	S	ug/L	47.95806	47.95806		50	0	0	2.34	10	0	96%	80	120	0%	
Phenol-d5	S	ug/L	49.19117	49.19117		50	0	0	2.06	10	0	98%	80	120	0%	
Terphenyl-d14	S	ug/L	48.76384	48.76384		50	0	0	1.17	10	0	98%	80	120	0%	
4-Chloroaniline	X	ug/L	49.04775	49.04775		50	0	0	1.61	10	150	98%	80	120	0%	
o-Terphenyl	X	ug/L	47.93996	47.93996		50	0	0	1.27	10	150	96%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044800	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 11:15:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	9.70198	9.70198		10	0	0	1.9	10	150	97%	80	120	0%	
1,2-Dichlorobenzene	A	ug/L	9.84569	9.84569		10	0	0	1.97	10	150	98%	80	120	0%	
1,3-Dichlorobenzene	A	ug/L	9.69827	9.69827		10	0	0	2.13	10	150	97%	80	120	0%	
1,4-Dichlorobenzene	A	ug/L	9.43695	9.43695		10	0	0	2.02	10	150	94%	80	120	0%	
1-Methylnaphthalene	A	ug/L	10.23105	10.23105		10	0	0	2.39	10	150	102%	80	120	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	9.48813	9.48813		10	0	0	1.45	10	150	95%	80	120	0%	
2,4,5-Trichlorophenol	A	ug/L	8.95831	8.95831		10	0	0	2.23	10	150	90%	80	120	0%	
2,4,6-Trichlorophenol	A	ug/L	9.05002	9.05002		10	0	0	2.64	10	150	91%	80	120	0%	
2,4-Dichlorophenol	A	ug/L	9.40739	9.40739		10	0	0	1.69	10	150	94%	80	120	0%	
2,4-Dimethylphenol	A	ug/L	9.06552	9.06552		10	0	0	1.69	10	150	91%	80	120	0%	
2,4-Dinitrophenol	A	ug/L	8.57633	8.57633		10	0	0	4.26	10	150	86%	80	120	0%	
2,4-Dinitrotoluene	A	ug/L	8.45808	8.45808		10	0	0	3.04	10	150	85%	80	120	0%	
2,6-Dinitrotoluene	A	ug/L	9.02424	9.02424		10	0	0	3.2	10	150	90%	80	120	0%	
2-Chloronaphthalene	A	ug/L	10.05552	10.05552		10	0	0	2.14	10	150	101%	80	120	0%	
2-Chlorophenol	A	ug/L	9.59778	9.59778		10	0	0	2.48	10	150	96%	80	120	0%	
2-Methylnaphthalene	A	ug/L	10.43386	10.43386		10	0	0	1.92	10	150	104%	80	120	0%	
2-Nitroaniline	A	ug/L	8.38218	8.38218		10	0	0	2.4	10	150	84%	80	120	0%	
2-Nitrophenol	A	ug/L	8.98393	8.98393		10	0	0	2.36	10	150	90%	80	120	0%	
3,3´-Dichlorobenzidine	A	ug/L	8.70921	8.70921		10	0	0	2.11	10	150	87%	80	120	0%	
3-Nitroaniline	A	ug/L	8.72168	8.72168		10	0	0	2.77	10	150	87%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044800	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 11:15:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4,6-Dinitro-2-methylphenol	A	ug/L	9.03508	9.03508		10	0	0	2.33	10	150	90%	80	120	0%	
4-Bromophenyl phenyl ether	A	ug/L	10.24418	10.24418		10	0	0	1.74	10	150	102%	80	120	0%	
4-Chloro-2-methylphenol	A	ug/L	9.69879	9.69879		10	0	0	1.6	10	150	97%	80	120	0%	
4-Chloro-3-methylphenol	A	ug/L	9.108	9.108		10	0	0	1.46	10	150	91%	80	120	0%	
4-Chlorophenol	A	ug/L	10.28976	10.28976		10	0	0	2.64	10	150	103%	80	120	0%	
4-Chlorophenyl phenyl ether	A	ug/L	9.931	9.931		10	0	0	2.03	10	150	99%	80	120	0%	
4-Nitroaniline	A	ug/L	8.9648	8.9648		10	0	0	1.63	10	150	90%	80	120	0%	
4-Nitrophenol	A	ug/L	9.41019	9.41019		10	0	0	2.5	10	150	94%	80	120	0%	
Acenaphthene	A	ug/L	9.68118	9.68118		10	0	0	1.89	10	150	97%	80	120	0%	
Acenaphthylene	A	ug/L	9.5403	9.5403		10	0	0	1.57	10	150	95%	80	120	0%	
Aniline	A	ug/L	9.28481	9.28481		10	0	0	3.74	10	150	93%	80	120	0%	
Anthracene	A	ug/L	9.69424	9.69424		10	0	0	1.23	10	150	97%	80	120	0%	
Azobenzene	A	ug/L	8.90888	8.90888		10	0	0	1.09	10	150	89%	80	120	0%	
Benzidine	A	ug/L	9.39572	9.39572		10	0	0	6.72	10	150	94%	80	120	0%	
Benzo(a)anthracene	A	ug/L	9.34652	9.34652		10	0	0	0.856	10	150	93%	80	120	0%	
Benzo(a)pyrene	A	ug/L	9.07418	9.07418		10	0	0	1.24	10	150	91%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	9.4383	9.4383		10	0	0	0.903	10	150	94%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	9.46194	9.46194		10	0	0	1.01	10	150	95%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	9.58147	9.58147		10	0	0	0.97	10	150	96%	80	120	0%	
Benzoic acid	A	ug/L	8.41169	8.41169		10	0	0	1.51	10	150	84%	80	120	0%	
Benzyl alcohol	A	ug/L	9.22525	9.22525		10	0	0	3.13	10	150	92%	80	120	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	9.38417	9.38417		10	0	0	1.36	10	150	94%	80	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	9.55864	9.55864		10	0	0	2.57	10	150	96%	80	120	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	9.48813	9.48813		10	0	0	1.49	10	150	95%	80	120	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	9.48652	9.48652		10	0	0	1.91	10	150	95%	80	120	0%	
Butylbenzylphthalate	A	ug/L	9.11603	9.11603		10	0	0	1.57	10	150	91%	80	120	0%	
Carbazole	A	ug/L	10.11802	10.11802		10	0	0	0.842	10	150	101%	80	120	0%	
Chrysene	A	ug/L	9.78766	9.78766		10	0	0	1.17	10	150	98%	80	120	0%	
Di-n-butyl phthalate	A	ug/L	8.33223	8.33223		10	0	0	0.932	10	150	83%	80	120	0%	
Di-n-octyl phthalate	A	ug/L	9.03289	9.03289		10	0	0	1.34	10	150	90%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	9.20337	9.20337		10	0	0	1.17	10	150	92%	80	120	0%	
Dibenzofuran	A	ug/L	9.49695	9.49695		10	0	0	1.74	10	150	95%	80	120	0%	
Diethyl phthalate	A	ug/L	8.73791	8.73791		10	0	0	2.18	10	150	87%	80	120	0%	
Dimethyl phthalate	A	ug/L	8.53124	8.53124		10	0	0	1.72	10	150	85%	80	120	0%	
Fluoranthene	A	ug/L	10.17782	10.17782		10	0	0	0.883	10	150	102%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044800	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 11:15:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluorene	A	ug/L	9.91065	9.91065		10	0	0	1.82	10	150	99%	80	120	0%	
Hexachlorobenzene	A	ug/L	9.71107	9.71107		10	0	0	1.33	10	150	97%	80	120	0%	
Hexachlorobutadiene	A	ug/L	9.58793	9.58793		10	0	0	2.32	10	150	96%	80	120	0%	
Hexachlorocyclopentadiene	A	ug/L	8.79626	8.79626		10	0	0	2.97	10	150	88%	80	120	0%	
Hexachloroethane	A	ug/L	9.65531	9.65531		10	0	0	1.79	10	150	97%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	9.31548	9.31548		10	0	0	1.25	10	150	93%	80	120	0%	
Isophorone	A	ug/L	8.93571	8.93571		10	0	0	1.67	10	150	89%	80	120	0%	
m+p-Cresols	A	ug/L	8.97059	8.97059		10	0	0	1.78	10	150	90%	80	120	0%	
n-Nitroso-di-n-propylamine	A	ug/L	9.33745	9.33745		10	0	0	1.54	10	150	93%	80	120	0%	
n-Nitrosodimethylamine	A	ug/L	10.28199	10.28199		10	0	0	1.53	10	150	103%	80	120	0%	
n-Nitrosodiphenylamine	A	ug/L	9.65425	9.65425		10	0	0	1.16	10	150	97%	80	120	0%	
Naphthalene	A	ug/L	9.63791	9.63791		10	0	0	1.74	10	150	96%	80	120	0%	
Nitrobenzene	A	ug/L	8.25187	8.25187		10	0	0	2.31	10	150	83%	80	120	0%	
o-Cresol	A	ug/L	9.51558	9.51558		10	0	0	1.83	10	150	95%	80	120	0%	
p-Chloroaniline	A	ug/L	9.06379	9.06379		10	0	0	1.52	10	150	91%	80	120	0%	
Pentachlorophenol	A	ug/L	9.19359	9.19359		10	0	0	4.24	10	150	92%	80	120	0%	
Phenanthrene	A	ug/L	9.88506	9.88506		10	0	0	0.784	10	150	99%	80	120	0%	
Phenol	A	ug/L	9.49513	9.49513		10	0	0	1.46	10	150	95%	80	120	0%	
Pyrene	A	ug/L	10.16357	10.16357		10	0	0	0.921	10	150	102%	80	120	0%	
Pyridine	A	ug/L	8.58449	8.58449		10	0	0	3.22	10	150	86%	80	120	0%	
Triallate	A	ug/L	9.11288	9.11288		10	0	0	1.51	10	150	91%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	9.06757	9.06757		10	0	0	2.88	10	0	91%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	9.89481	9.89481		10	0	0	0.724	10	0	99%	80	120	0%	
2-Fluorophenol	S	ug/L	9.02263	9.02263		10	0	0	3.52	10	0	90%	80	120	0%	
Nitrobenzene-d5	S	ug/L	9.41398	9.41398		10	0	0	2.34	10	0	94%	80	120	0%	
Phenol-d5	S	ug/L	9.44996	9.44996		10	0	0	2.06	10	0	94%	80	120	0%	
Terphenyl-d14	S	ug/L	9.62228	9.62228		10	0	0	1.17	10	0	96%	80	120	0%	
4-Chloroaniline	X	ug/L	9.06379	9.06379		10	0	0	1.61	10	150	91%	80	120	0%	
o-Terphenyl	X	ug/L	9.69629	9.69629		10	0	0	1.27	10	150	97%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist				
15044801	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 11:48:	1	R374941		0	0					

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	4.15398	4.15398		4	0	0	1.9	10	150	104%	80	120	0%	
1,2-Dichlorobenzene	A	ug/L	4.08009	4.08009		4	0	0	1.97	10	150	102%	80	120	0%	
1,3-Dichlorobenzene	A	ug/L	4.16511	4.16511		4	0	0	2.13	10	150	104%	80	120	0%	
1,4-Dichlorobenzene	A	ug/L	4.25309	4.25309		4	0	0	2.02	10	150	106%	80	120	0%	
1-Methylnaphthalene	A	ug/L	3.87456	3.87456		4	0	0	2.39	10	150	97%	80	120	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	4.2421	4.2421		4	0	0	1.45	10	150	106%	80	120	0%	
2,4,5-Trichlorophenol	A	ug/L	4.4335	4.4335		4	0	0	2.23	10	150	111%	80	120	0%	
2,4,6-Trichlorophenol	A	ug/L	4.50976	4.50976		4	0	0	2.64	10	150	113%	80	120	0%	
2,4-Dichlorophenol	A	ug/L	4.31065	4.31065		4	0	0	1.69	10	150	108%	80	120	0%	
2,4-Dimethylphenol	A	ug/L	4.47722	4.47722		4	0	0	1.69	10	150	112%	80	120	0%	
2,4-Dinitrophenol	A	ug/L	4.5942	4.5942		4	0	0	4.26	10	150	115%	80	120	0%	
2,4-Dinitrotoluene	A	ug/L	4.59653	4.59653		4	0	0	3.04	10	150	115%	80	120	0%	
2,6-Dinitrotoluene	A	ug/L	4.45923	4.45923		4	0	0	3.2	10	150	111%	80	120	0%	
2-Chloronaphthalene	A	ug/L	4.00069	4.00069		4	0	0	2.14	10	150	100%	80	120	0%	
2-Chlorophenol	A	ug/L	4.20165	4.20165		4	0	0	2.48	10	150	105%	80	120	0%	
2-Methylnaphthalene	A	ug/L	3.82047	3.82047		4	0	0	1.92	10	150	96%	80	120	0%	
2-Nitroaniline	A	ug/L	4.70421	4.70421		4	0	0	2.4	10	150	118%	80	120	0%	
2-Nitrophenol	A	ug/L	4.48625	4.48625		4	0	0	2.36	10	150	112%	80	120	0%	
3,3´-Dichlorobenzidine	A	ug/L	4.55771	4.55771		4	0	0	2.11	10	150	114%	80	120	0%	
3-Nitroaniline	A	ug/L	4.60242	4.60242		4	0	0	2.77	10	150	115%	80	120	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	4.381	4.381		4	0	0	2.33	10	150	110%	80	120	0%	
4-Bromophenyl phenyl ether	A	ug/L	3.90738	3.90738		4	0	0	1.74	10	150	98%	80	120	0%	
4-Chloro-2-methylphenol	A	ug/L	4.24325	4.24325		4	0	0	1.6	10	150	106%	80	120	0%	
4-Chloro-3-methylphenol	A	ug/L	4.35555	4.35555		4	0	0	1.46	10	150	109%	80	120	0%	
4-Chlorophenol	A	ug/L	3.95949	3.95949		4	0	0	2.64	10	150	99%	80	120	0%	
4-Chlorophenyl phenyl ether	A	ug/L	4.16663	4.16663		4	0	0	2.03	10	150	104%	80	120	0%	
4-Nitroaniline	A	ug/L	4.51194	4.51194		4	0	0	1.63	10	150	113%	80	120	0%	
4-Nitrophenol	A	ug/L	4.33539	4.33539		4	0	0	2.5	10	150	108%	80	120	0%	
Acenaphthene	A	ug/L	4.07969	4.07969		4	0	0	1.89	10	150	102%	80	120	0%	
Acenaphthylene	A	ug/L	4.13821	4.13821		4	0	0	1.57	10	150	103%	80	120	0%	
Aniline	A	ug/L	4.30249	4.30249		4	0	0	3.74	10	150	108%	80	120	0%	
Anthracene	A	ug/L	3.92095	3.92095		4	0	0	1.23	10	150	98%	80	120	0%	
Azobenzene	A	ug/L	4.3215	4.3215		4	0	0	1.09	10	150	108%	80	120	0%	
Benzidine	A	ug/L	4.20417	4.20417		4	0	0	6.72	10	150	105%	80	120	0%	
Benzo(a)anthracene	A	ug/L	3.88206	3.88206		4	0	0	0.856	10	150	97%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044801	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 11:48:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	4.34738	4.34738		4	0	0	1.24	10	150	109%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	4.24151	4.24151		4	0	0	0.903	10	150	106%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	4.24319	4.24319		4	0	0	1.01	10	150	106%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	4.18367	4.18367		4	0	0	0.97	10	150	105%	80	120	0%	
Benzoic acid	A	ug/L	4.683	4.683		4	0	0	1.51	10	150	117%	80	120	0%	
Benzyl alcohol	A	ug/L	4.41691	4.41691		4	0	0	3.13	10	150	110%	80	120	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	4.24446	4.24446		4	0	0	1.36	10	150	106%	80	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	4.19425	4.19425		4	0	0	2.57	10	150	105%	80	120	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	4.2421	4.2421		4	0	0	1.49	10	150	106%	80	120	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	4.29618	4.29618		4	0	0	1.91	10	150	107%	80	120	0%	
Butylbenzylphthalate	A	ug/L	4.43685	4.43685		4	0	0	1.57	10	150	111%	80	120	0%	
Carbazole	A	ug/L	3.96812	3.96812		4	0	0	0.842	10	150	99%	80	120	0%	
Chrysene	A	ug/L	4.11642	4.11642		4	0	0	1.17	10	150	103%	80	120	0%	
Di-n-butyl phthalate	A	ug/L	4.65176	4.65176		4	0	0	0.932	10	150	116%	80	120	0%	
Di-n-octyl phthalate	A	ug/L	4.4834	4.4834		4	0	0	1.34	10	150	112%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	4.33281	4.33281		4	0	0	1.17	10	150	108%	80	120	0%	
Dibenzofuran	A	ug/L	4.25548	4.25548		4	0	0	1.74	10	150	106%	80	120	0%	
Diethyl phthalate	A	ug/L	4.54942	4.54942		4	0	0	2.18	10	150	114%	80	120	0%	
Dimethyl phthalate	A	ug/L	4.58311	4.58311		4	0	0	1.72	10	150	115%	80	120	0%	
Fluoranthene	A	ug/L	3.96217	3.96217		4	0	0	0.883	10	150	99%	80	120	0%	
Fluorene	A	ug/L	4.00501	4.00501		4	0	0	1.82	10	150	100%	80	120	0%	
Hexachlorobenzene	A	ug/L	4.21366	4.21366		4	0	0	1.33	10	150	105%	80	120	0%	
Hexachlorobutadiene	A	ug/L	4.2318	4.2318		4	0	0	2.32	10	150	106%	80	120	0%	
Hexachlorocyclopentadiene	A	ug/L	4.49304	4.49304		4	0	0	2.97	10	150	112%	80	120	0%	
Hexachloroethane	A	ug/L	4.1997	4.1997		4	0	0	1.79	10	150	105%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	4.30245	4.30245		4	0	0	1.25	10	150	108%	80	120	0%	
Isophorone	A	ug/L	4.43957	4.43957		4	0	0	1.67	10	150	111%	80	120	0%	
m+p-Cresols	A	ug/L	4.40595	4.40595		4	0	0	1.78	10	150	110%	80	120	0%	
n-Nitroso-di-n-propylamine	A	ug/L	4.17393	4.17393		4	0	0	1.54	10	150	104%	80	120	0%	
n-Nitrosodimethylamine	A	ug/L	3.96956	3.96956		4	0	0	1.53	10	150	99%	80	120	0%	
n-Nitrosodiphenylamine	A	ug/L	4.14055	4.14055		4	0	0	1.16	10	150	104%	80	120	0%	
Naphthalene	A	ug/L	4.22309	4.22309		4	0	0	1.74	10	150	106%	80	120	0%	
Nitrobenzene	A	ug/L	4.68463	4.68463		4	0	0	2.31	10	150	117%	80	120	0%	
o-Cresol	A	ug/L	4.22967	4.22967		4	0	0	1.83	10	150	106%	80	120	0%	
p-Chloroaniline	A	ug/L	4.32891	4.32891		4	0	0	1.52	10	150	108%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044801	18-Feb-22_CAL	SVOC-8270-W-	ICAL	V5973N.I\sd0218.2	2/19/2022 11:48:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pentachlorophenol	A	ug/L	4.33652	4.33652		4	0	0	4.24	10	150	108%	80	120	0%	
Phenanthrene	A	ug/L	4.11914	4.11914		4	0	0	0.784	10	150	103%	80	120	0%	
Phenol	A	ug/L	4.23182	4.23182		4	0	0	1.46	10	150	106%	80	120	0%	
Pyrene	A	ug/L	3.94749	3.94749		4	0	0	0.921	10	150	99%	80	120	0%	
Pyridine	A	ug/L	4.54989	4.54989		4	0	0	3.22	10	150	114%	80	120	0%	
Triallate	A	ug/L	4.31184	4.31184		4	0	0	1.51	10	150	108%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	4.38436	4.38436		4	0	0	2.88	10	0	110%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	4.10033	4.10033		4	0	0	0.724	10	0	103%	80	120	0%	
2-Fluorophenol	S	ug/L	4.37611	4.37611		4	0	0	3.52	10	0	109%	80	120	0%	
Nitrobenzene-d5	S	ug/L	4.27457	4.27457		4	0	0	2.34	10	0	107%	80	120	0%	
Phenol-d5	S	ug/L	4.22589	4.22589		4	0	0	2.06	10	0	106%	80	120	0%	
Terphenyl-d14	S	ug/L	4.22559	4.22559		4	0	0	1.17	10	0	106%	80	120	0%	
4-Chloroaniline	X	ug/L	4.32891	4.32891		4	0	0	1.61	10	150	108%	80	120	0%	
o-Terphenyl	X	ug/L	4.19546	4.19546		4	0	0	1.27	10	150	105%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044802	18-Feb-22_CCV	SVOC-8270-W-	ICV	V5973N.I\sd0218.2	2/19/2022 12:20:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	80.10984	80.10984		75	0	0	1.9	10	150	107%	80	120	0%	
1,2-Dichlorobenzene	A	ug/L	81.68379	81.68379		75	0	0	1.97	10	150	109%	80	120	0%	
1,3-Dichlorobenzene	A	ug/L	81.56937	81.56937		75	0	0	2.13	10	150	109%	80	120	0%	
1,4-Dichlorobenzene	A	ug/L	81.01259	81.01259		75	0	0	2.02	10	150	108%	80	120	0%	
1-Methylnaphthalene	A	ug/L	75.46761	75.46761		75	0	0	2.39	10	150	101%	80	120	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	66.67626	66.67626		75	0	0	1.45	10	150	89%	80	120	0%	
2,4,5-Trichlorophenol	A	ug/L	72.86136	72.86136		75	0	0	2.23	10	150	97%	80	120	0%	
2,4,6-Trichlorophenol	A	ug/L	72.38501	72.38501		75	0	0	2.64	10	150	97%	80	120	0%	
2,4-Dichlorophenol	A	ug/L	77.69233	77.69233		75	0	0	1.69	10	150	104%	80	120	0%	
2,4-Dimethylphenol	A	ug/L	77.5019	77.5019		75	0	0	1.69	10	150	103%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044802	18-Feb-22_CCV	SVOC-8270-W-	ICV	V5973N.I\sd0218.2	2/19/2022 12:20:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	73.4507	73.4507		75	0	0	4.26	10	150	98%	80	120	0%	
2,4-Dinitrotoluene	A	ug/L	79.26746	79.26746		75	0	0	3.04	10	150	106%	80	120	0%	
2,6-Dinitrotoluene	A	ug/L	74.31701	74.31701		75	0	0	3.2	10	150	99%	80	120	0%	
2-Chloronaphthalene	A	ug/L	82.24655	82.24655		75	0	0	2.14	10	150	110%	80	120	0%	
2-Chlorophenol	A	ug/L	81.37551	81.37551		75	0	0	2.48	10	150	109%	80	120	0%	
2-Methylnaphthalene	A	ug/L	79.56146	79.56146		75	0	0	1.92	10	150	106%	80	120	0%	
2-Nitroaniline	A	ug/L	66.90493	66.90493		75	0	0	2.4	10	150	89%	80	120	0%	
2-Nitrophenol	A	ug/L	78.66304	78.66304		75	0	0	2.36	10	150	105%	80	120	0%	
3,3´-Dichlorobenzidine	A	ug/L	67.78173	67.78173		75	0	0	2.11	10	150	90%	80	120	0%	
3-Nitroaniline	A	ug/L	78.9929	78.9929		75	0	0	2.77	10	150	105%	80	120	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	69.97598	69.97598		75	0	0	2.33	10	150	93%	80	120	0%	
4-Bromophenyl phenyl ether	A	ug/L	75.62628	75.62628		75	0	0	1.74	10	150	101%	80	120	0%	
4-Chloro-2-methylphenol	A	ug/L	74.43842	74.43842		75	0	0	1.6	10	150	99%	80	120	0%	
4-Chloro-3-methylphenol	A	ug/L	79.90097	79.90097		75	0	0	1.46	10	150	107%	80	120	0%	
4-Chlorophenol	A	ug/L	80.13707	80.13707		75	0	0	2.64	10	150	107%	80	120	0%	
4-Chlorophenyl phenyl ether	A	ug/L	73.49682	73.49682		75	0	0	2.03	10	150	98%	80	120	0%	
4-Nitroaniline	A	ug/L	77.00221	77.00221		75	0	0	1.63	10	150	103%	80	120	0%	
4-Nitrophenol	A	ug/L	77.03074	77.03074		75	0	0	2.5	10	150	103%	80	120	0%	
Acenaphthene	A	ug/L	80.63452	80.63452		75	0	0	1.89	10	150	108%	80	120	0%	
Acenaphthylene	A	ug/L	69.8871	69.8871		75	0	0	1.57	10	150	93%	80	120	0%	
Anthracene	A	ug/L	76.10403	76.10403		75	0	0	1.23	10	150	101%	80	120	0%	
Azobenzene	A	ug/L	77.28696	77.28696		75	0	0	1.09	10	150	103%	80	120	0%	
Benzidine	A	ug/L	75.02128	75.02128		75	0	0	6.72	10	150	100%	80	120	0%	
Benzo(a)anthracene	A	ug/L	82.35944	82.35944		75	0	0	0.856	10	150	110%	80	120	0%	
Benzo(a)pyrene	A	ug/L	75.67083	75.67083		75	0	0	1.24	10	150	101%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	77.12323	77.12323		75	0	0	0.903	10	150	103%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	78.85247	78.85247		75	0	0	1.01	10	150	105%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	76.88261	76.88261		75	0	0	0.97	10	150	103%	80	120	0%	
Benzoic acid	A	ug/L	76.11669	76.11669		75	0	0	1.51	10	150	101%	80	120	0%	
Benzyl alcohol	A	ug/L	78.56713	78.56713		75	0	0	3.13	10	150	105%	80	120	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	71.57985	71.57985		75	0	0	1.36	10	150	95%	80	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	81.39442	81.39442		75	0	0	2.57	10	150	109%	80	120	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	66.67626	66.67626		75	0	0	1.49	10	150	89%	80	120	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	78.28999	78.28999		75	0	0	1.91	10	150	104%	80	120	0%	
Butylbenzylphthalate	A	ug/L	80.57841	80.57841		75	0	0	1.57	10	150	107%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044802	18-Feb-22_CCV	SVOC-8270-W-	ICV	V5973N.I\sd0218.2	2/19/2022 12:20:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Carbazole	A	ug/L	80.77724	80.77724		75	0	0	0.842	10	150	108%	80	120	0%	
Chrysene	A	ug/L	79.30128	79.30128		75	0	0	1.17	10	150	106%	80	120	0%	
Di-n-butyl phthalate	A	ug/L	79.01342	79.01342		75	0	0	0.932	10	150	105%	80	120	0%	
Di-n-octyl phthalate	A	ug/L	78.7517	78.7517		75	0	0	1.34	10	150	105%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	79.08403	79.08403		75	0	0	1.17	10	150	105%	80	120	0%	
Dibenzofuran	A	ug/L	79.91357	79.91357		75	0	0	1.74	10	150	107%	80	120	0%	
Diethyl phthalate	A	ug/L	81.6817	81.6817		75	0	0	2.18	10	150	109%	80	120	0%	
Dimethyl phthalate	A	ug/L	83.81455	83.81455		75	0	0	1.72	10	150	112%	80	120	0%	
Fluoranthene	A	ug/L	77.63121	77.63121		75	0	0	0.883	10	150	104%	80	120	0%	
Fluorene	A	ug/L	76.91078	76.91078		75	0	0	1.82	10	150	103%	80	120	0%	
Hexachlorobenzene	A	ug/L	74.63264	74.63264		75	0	0	1.33	10	150	100%	80	120	0%	
Hexachlorobutadiene	A	ug/L	79.04448	79.04448		75	0	0	2.32	10	150	105%	80	120	0%	
Hexachlorocyclopentadiene	A	ug/L	73.3354	73.3354		75	0	0	2.97	10	150	98%	80	120	0%	
Hexachloroethane	A	ug/L	77.11572	77.11572		75	0	0	1.79	10	150	103%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	76.88963	76.88963		75	0	0	1.25	10	150	103%	80	120	0%	
Isophorone	A	ug/L	73.01626	73.01626		75	0	0	1.67	10	150	97%	80	120	0%	
m+p-Cresols	A	ug/L	78.34738	78.34738		75	0	0	1.78	10	150	104%	80	120	0%	
n-Nitroso-di-n-propylamine	A	ug/L	83.39457	83.39457		75	0	0	1.54	10	150	111%	80	120	0%	
n-Nitrosodimethylamine	A	ug/L	84.91622	84.91622		75	0	0	1.53	10	150	113%	80	120	0%	
n-Nitrosodiphenylamine	A	ug/L	82.36157	82.36157		75	0	0	1.16	10	150	110%	80	120	0%	
Naphthalene	A	ug/L	82.48322	82.48322		75	0	0	1.74	10	150	110%	80	120	0%	
Nitrobenzene	A	ug/L	72.64073	72.64073		75	0	0	2.31	10	150	97%	80	120	0%	
o-Cresol	A	ug/L	80.02796	80.02796		75	0	0	1.83	10	150	107%	80	120	0%	
p-Chloroaniline	A	ug/L	73.52298	73.52298		75	0	0	1.52	10	150	98%	80	120	0%	
Pentachlorophenol	A	ug/L	80.77523	80.77523		75	0	0	4.24	10	150	108%	80	120	0%	
Phenanthrene	A	ug/L	75.79526	75.79526		75	0	0	0.784	10	150	101%	80	120	0%	
Phenol	A	ug/L	83.64028	83.64028		75	0	0	1.46	10	150	112%	80	120	0%	
Pyrene	A	ug/L	75.74523	75.74523		75	0	0	0.921	10	150	101%	80	120	0%	
Pyridine	A	ug/L	85.23312	85.23312		75	0	0	3.22	10	150	114%	80	120	0%	
Triallate	A	ug/L	78.39794	78.39794		75	0	0	1.51	10	150	105%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%	80	120	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	80	120	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	80	120	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%	80	120	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044802	18-Feb-22_CCV	SVOC-8270-W-	ICV	V5973N.I\sd0218.2	2/19/2022 12:20:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	80	120	0%	
2,4,6-Tribromophenol	S	ug/L	74.0198	74.0198		75	0	0	2.88	10	0	99%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	67.69789	67.69789		75	0	0	0.724	10	0	90%	80	120	0%	
2-Fluorophenol	S	ug/L	81.60509	81.60509		75	0	0	3.52	10	0	109%	80	120	0%	
Nitrobenzene-d5	S	ug/L	71.60227	71.60227		75	0	0	2.34	10	0	95%	80	120	0%	
Phenol-d5	S	ug/L	78.06495	78.06495		75	0	0	2.06	10	0	104%	80	120	0%	
Terphenyl-d14	S	ug/L	72.48477	72.48477		75	0	0	1.17	10	0	97%	80	120	0%	
4-Chloroaniline	X	ug/L	73.52298	73.52298		75	0	0	1.61	10	150	98%	80	120	0%	
o-Terphenyl	X	ug/L	74.56777	74.56777		75	0	0	1.27	10	150	99%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044807	18-Feb-22_CCV	SVOC-8270-W-	CCV	V5973N.I\sd0218.2	2/19/2022 12:20:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	80.10984	80.10984		75	0	0	1.9	10	150	107%	80	120	0%	
1,2-Dichlorobenzene	A	ug/L	81.68379	81.68379		75	0	0	1.97	10	150	109%	80	120	0%	
1,3-Dichlorobenzene	A	ug/L	81.56937	81.56937		75	0	0	2.13	10	150	109%	80	120	0%	
1,4-Dichlorobenzene	A	ug/L	81.01259	81.01259		75	0	0	2.02	10	150	108%	80	120	0%	
1-Methylnaphthalene	A	ug/L	75.46761	75.46761		75	0	0	2.39	10	150	101%	80	120	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	66.67626	66.67626		75	0	0	1.45	10	150	89%	80	120	0%	
2,4,5-Trichlorophenol	A	ug/L	72.86136	72.86136		75	0	0	2.23	10	150	97%	80	120	0%	
2,4,6-Trichlorophenol	A	ug/L	72.38501	72.38501		75	0	0	2.64	10	150	97%	80	120	0%	
2,4-Dichlorophenol	A	ug/L	77.69233	77.69233		75	0	0	1.69	10	150	104%	80	120	0%	
2,4-Dimethylphenol	A	ug/L	77.5019	77.5019		75	0	0	1.69	10	150	103%	80	120	0%	
2,4-Dinitrophenol	A	ug/L	73.4507	73.4507		75	0	0	4.26	10	150	98%	80	120	0%	
2,4-Dinitrotoluene	A	ug/L	79.26746	79.26746		75	0	0	3.04	10	150	106%	80	120	0%	
2,6-Dinitrotoluene	A	ug/L	74.31701	74.31701		75	0	0	3.2	10	150	99%	80	120	0%	
2-Chloronaphthalene	A	ug/L	82.24655	82.24655		75	0	0	2.14	10	150	110%	80	120	0%	
2-Chlorophenol	A	ug/L	81.37551	81.37551		75	0	0	2.48	10	150	109%	80	120	0%	
2-Methylnaphthalene	A	ug/L	79.56146	79.56146		75	0	0	1.92	10	150	106%	80	120	0%	
2-Nitroaniline	A	ug/L	66.90493	66.90493		75	0	0	2.4	10	150	89%	80	120	0%	
2-Nitrophenol	A	ug/L	78.66304	78.66304		75	0	0	2.36	10	150	105%	80	120	0%	
3,3´-Dichlorobenzidine	A	ug/L	67.78173	67.78173		75	0	0	2.11	10	150	90%	80	120	0%	
3-Nitroaniline	A	ug/L	78.9929	78.9929		75	0	0	2.77	10	150	105%	80	120	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	69.97598	69.97598		75	0	0	2.33	10	150	93%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044807	18-Feb-22_CCV	SVOC-8270-W-	CCV	V5973N.I\sd0218	2/19/2022 12:20:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4-Bromophenyl phenyl ether	A	ug/L	75.62628	75.62628		75	0	0	1.74	10	150	101%	80	120	0%	
4-Chloro-2-methylphenol	A	ug/L	74.43842	74.43842		75	0	0	1.6	10	150	99%	80	120	0%	
4-Chloro-3-methylphenol	A	ug/L	79.90097	79.90097		75	0	0	1.46	10	150	107%	80	120	0%	
4-Chlorophenol	A	ug/L	80.13707	80.13707		75	0	0	2.64	10	150	107%	80	120	0%	
4-Chlorophenyl phenyl ether	A	ug/L	73.49682	73.49682		75	0	0	2.03	10	150	98%	80	120	0%	
4-Nitroaniline	A	ug/L	77.00221	77.00221		75	0	0	1.63	10	150	103%	80	120	0%	
4-Nitrophenol	A	ug/L	77.03074	77.03074		75	0	0	2.5	10	150	103%	80	120	0%	
Acenaphthene	A	ug/L	80.63452	80.63452		75	0	0	1.89	10	150	108%	80	120	0%	
Acenaphthylene	A	ug/L	69.8871	69.8871		75	0	0	1.57	10	150	93%	80	120	0%	
Anthracene	A	ug/L	76.10403	76.10403		75	0	0	1.23	10	150	101%	80	120	0%	
Azobenzene	A	ug/L	77.28696	77.28696		75	0	0	1.09	10	150	103%	80	120	0%	
Benzidine	A	ug/L	75.02128	75.02128		75	0	0	6.72	10	150	100%	80	120	0%	
Benzo(a)anthracene	A	ug/L	82.35944	82.35944		75	0	0	0.856	10	150	110%	80	120	0%	
Benzo(a)pyrene	A	ug/L	75.67083	75.67083		75	0	0	1.24	10	150	101%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	77.12323	77.12323		75	0	0	0.903	10	150	103%	80	120	0%	
Benzo(g,h,i)perylene	A	ug/L	78.85247	78.85247		75	0	0	1.01	10	150	105%	80	120	0%	
Benzo(k)fluoranthene	A	ug/L	76.88261	76.88261		75	0	0	0.97	10	150	103%	80	120	0%	
Benzoic acid	A	ug/L	76.11669	76.11669		75	0	0	1.51	10	150	101%	80	120	0%	
Benzyl alcohol	A	ug/L	78.56713	78.56713		75	0	0	3.13	10	150	105%	80	120	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	71.57985	71.57985		75	0	0	1.36	10	150	95%	80	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	81.39442	81.39442		75	0	0	2.57	10	150	109%	80	120	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	66.67626	66.67626		75	0	0	1.49	10	150	89%	80	120	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	78.28999	78.28999		75	0	0	1.91	10	150	104%	80	120	0%	
Butylbenzylphthalate	A	ug/L	80.57841	80.57841		75	0	0	1.57	10	150	107%	80	120	0%	
Carbazole	A	ug/L	80.77724	80.77724		75	0	0	0.842	10	150	108%	80	120	0%	
Chrysene	A	ug/L	79.30128	79.30128		75	0	0	1.17	10	150	106%	80	120	0%	
Di-n-butyl phthalate	A	ug/L	79.01342	79.01342		75	0	0	0.932	10	150	105%	80	120	0%	
Di-n-octyl phthalate	A	ug/L	78.7517	78.7517		75	0	0	1.34	10	150	105%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	79.08403	79.08403		75	0	0	1.17	10	150	105%	80	120	0%	
Dibenzofuran	A	ug/L	79.91357	79.91357		75	0	0	1.74	10	150	107%	80	120	0%	
Diethyl phthalate	A	ug/L	81.6817	81.6817		75	0	0	2.18	10	150	109%	80	120	0%	
Dimethyl phthalate	A	ug/L	83.81455	83.81455		75	0	0	1.72	10	150	112%	80	120	0%	
Fluoranthene	A	ug/L	77.63121	77.63121		75	0	0	0.883	10	150	104%	80	120	0%	
Fluorene	A	ug/L	76.91078	76.91078		75	0	0	1.82	10	150	103%	80	120	0%	
Hexachlorobenzene	A	ug/L	74.63264	74.63264		75	0	0	1.33	10	150	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044807	18-Feb-22_CCV	SVOC-8270-W-	CCV	V5973N.I\sd0218	2/19/2022 12:20:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Hexachlorobutadiene	A	ug/L	79.04448	79.04448		75	0	0	2.32	10	150	105%	80	120	0%	
Hexachlorocyclopentadiene	A	ug/L	73.3354	73.3354		75	0	0	2.97	10	150	98%	80	120	0%	
Hexachloroethane	A	ug/L	77.11572	77.11572		75	0	0	1.79	10	150	103%	80	120	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	76.88963	76.88963		75	0	0	1.25	10	150	103%	80	120	0%	
Isophorone	A	ug/L	73.01626	73.01626		75	0	0	1.67	10	150	97%	80	120	0%	
m+p-Cresols	A	ug/L	78.34738	78.34738		75	0	0	1.78	10	150	104%	80	120	0%	
n-Nitroso-di-n-propylamine	A	ug/L	83.39457	83.39457		75	0	0	1.54	10	150	111%	80	120	0%	
n-Nitrosodimethylamine	A	ug/L	84.91622	84.91622		75	0	0	1.53	10	150	113%	80	120	0%	
n-Nitrosodiphenylamine	A	ug/L	82.36157	82.36157		75	0	0	1.16	10	150	110%	80	120	0%	
Naphthalene	A	ug/L	82.48322	82.48322		75	0	0	1.74	10	150	110%	80	120	0%	
Nitrobenzene	A	ug/L	72.64073	72.64073		75	0	0	2.31	10	150	97%	80	120	0%	
o-Cresol	A	ug/L	80.02796	80.02796		75	0	0	1.83	10	150	107%	80	120	0%	
p-Chloroaniline	A	ug/L	73.52298	73.52298		75	0	0	1.52	10	150	98%	80	120	0%	
Pentachlorophenol	A	ug/L	80.77523	80.77523		75	0	0	4.24	10	150	108%	80	120	0%	
Phenanthrene	A	ug/L	75.79526	75.79526		75	0	0	0.784	10	150	101%	80	120	0%	
Phenol	A	ug/L	83.64028	83.64028		75	0	0	1.46	10	150	112%	80	120	0%	
Pyrene	A	ug/L	75.74523	75.74523		75	0	0	0.921	10	150	101%	80	120	0%	
Pyridine	A	ug/L	85.23312	85.23312		75	0	0	3.22	10	150	114%	80	120	0%	
Triallate	A	ug/L	78.39794	78.39794		75	0	0	1.51	10	150	105%	80	120	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%	80	120	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	80	120	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	80	120	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%	80	120	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	80	120	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	80	120	0%	
2,4,6-Tribromophenol	S	ug/L	74.0198	74.0198		75	0	0	2.88	10	0	99%	80	120	0%	
2-Fluorobiphenyl	S	ug/L	67.69789	67.69789		75	0	0	0.724	10	0	90%	80	120	0%	
2-Fluorophenol	S	ug/L	81.60509	81.60509		75	0	0	3.52	10	0	109%	80	120	0%	
Nitrobenzene-d5	S	ug/L	71.60227	71.60227		75	0	0	2.34	10	0	95%	80	120	0%	
Phenol-d5	S	ug/L	78.06495	78.06495		75	0	0	2.06	10	0	104%	80	120	0%	
Terphenyl-d14	S	ug/L	72.48477	72.48477		75	0	0	1.17	10	0	97%	80	120	0%	
4-Chloroaniline	X	ug/L	73.52298	73.52298		75	0	0	1.61	10	150	98%	80	120	0%	
o-Terphenyl	X	ug/L	74.56777	74.56777		75	0	0	1.27	10	150	99%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044808	18-Feb-22_CCV	SVOC-8270-W-	ICV	V5973N.I\sd0218	2/19/2022 12:52:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aniline	A	ug/L	70.97289	70.97289		75	0	0	3.74	10	150	95%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044809	18-Feb-22_CCV	SVOC-8270-W-	CCV	V5973N.I\sd0218	2/19/2022 12:52:	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Aniline	A	ug/L	70.97289	70.97289		75	0	0	3.74	10	150	95%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044896	18-Feb-22_ISTB	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 1:24:2	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.9	10	150	0%	0	0	0%	
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.97	10	150	0%	0	0	0%	
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.13	10	150	0%	0	0	0%	
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02	10	150	0%	0	0	0%	
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.39	10	150	0%	0	0	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.45	10	150	0%	0	0	0%	
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.23	10	150	0%	0	0	0%	
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.64	10	150	0%	0	0	0%	
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.69	10	150	0%	0	0	0%	
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.69	10	150	0%	0	0	0%	
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.26	10	150	0%	0	0	0%	
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.04	10	150	0%	0	0	0%	
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.2	10	150	0%	0	0	0%	
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.14	10	150	0%	0	0	0%	
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.48	10	150	0%	0	0	0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.92	10	150	0%	0	0	0%	
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.4	10	150	0%	0	0	0%	
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.36	10	150	0%	0	0	0%	
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.11	10	150	0%	0	0	0%	
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.77	10	150	0%	0	0	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.33	10	150	0%	0	0	0%	
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.74	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044896	18-Feb-22_ISTB	SVOC-8270-W-	SAMP	V5973N.I\sd0218.2	2/19/2022 1:24:2	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.6	10	150	0%	0	0	0%	
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.46	10	150	0%	0	0	0%	
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.64	10	150	0%	0	0	0%	
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	2.03	10	150	0%	0	0	0%	
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.63	10	150	0%	0	0	0%	
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.5	10	150	0%	0	0	0%	
Acenaphthene	A	ug/L	0	0		0	0	0	1.89	10	150	0%	0	0	0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	1.57	10	150	0%	0	0	0%	
Aniline	A	ug/L	0	0		0	0	0	3.74	10	150	0%	0	0	0%	
Anthracene	A	ug/L	0	0		0	0	0	1.23	10	150	0%	0	0	0%	
Azobenzene	A	ug/L	0	0		0	0	0	1.09	10	150	0%	0	0	0%	
Benzidine	A	ug/L	0	0		0	0	0	6.72	10	150	0%	0	0	0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.856	10	150	0%	0	0	0%	
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.24	10	150	0%	0	0	0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.903	10	150	0%	0	0	0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	1.01	10	150	0%	0	0	0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.97	10	150	0%	0	0	0%	
Benzoic acid	A	ug/L	0	0		0	0	0	1.51	10	150	0%	0	0	0%	
Benzyl alcohol	A	ug/L	0	0		0	0	0	3.13	10	150	0%	0	0	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.36	10	150	0%	0	0	0%	
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.57	10	150	0%	0	0	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.49	10	150	0%	0	0	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.91	10	150	0%	0	0	0%	
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.57	10	150	0%	0	0	0%	
Carbazole	A	ug/L	0	0		0	0	0	0.842	10	150	0%	0	0	0%	
Chrysene	A	ug/L	0	0		0	0	0	1.17	10	150	0%	0	0	0%	
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.932	10	150	0%	0	0	0%	
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.34	10	150	0%	0	0	0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.17	10	150	0%	0	0	0%	
Dibenzofuran	A	ug/L	0	0		0	0	0	1.74	10	150	0%	0	0	0%	
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.18	10	150	0%	0	0	0%	
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.72	10	150	0%	0	0	0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.883	10	150	0%	0	0	0%	
Fluorene	A	ug/L	0	0		0	0	0	1.82	10	150	0%	0	0	0%	
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.33	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044896	18-Feb-22_ISTB	SVOC-8270-W-	SAMP	V5973N.I\sd0218.2	2/19/2022 1:24:2	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.32	10	150	0%	0	0	0%	
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.97	10	150	0%	0	0	0%	
Hexachloroethane	A	ug/L	0	0		0	0	0	1.79	10	150	0%	0	0	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.25	10	150	0%	0	0	0%	
Isophorone	A	ug/L	0	0		0	0	0	1.67	10	150	0%	0	0	0%	
m+p-Cresols	A	ug/L	0	0		0	0	0	1.78	10	150	0%	0	0	0%	
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.54	10	150	0%	0	0	0%	
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.53	10	150	0%	0	0	0%	
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.16	10	150	0%	0	0	0%	
Naphthalene	A	ug/L	0	0		0	0	0	1.74	10	150	0%	0	0	0%	
Nitrobenzene	A	ug/L	0	0		0	0	0	2.31	10	150	0%	0	0	0%	
o-Cresol	A	ug/L	0	0		0	0	0	1.83	10	150	0%	0	0	0%	
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.52	10	150	0%	0	0	0%	
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.24	10	150	0%	0	0	0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.784	10	150	0%	0	0	0%	
Phenol	A	ug/L	0	0		0	0	0	1.46	10	150	0%	0	0	0%	
Pyrene	A	ug/L	0	0		0	0	0	0.921	10	150	0%	0	0	0%	
Pyridine	A	ug/L	0	0		0	0	0	3.22	10	150	0%	0	0	0%	
Triallate	A	ug/L	0	0		0	0	0	1.51	10	150	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	0	0		200	0	0	2.88	10	0	0%	25	140	0%	S
2-Fluorobiphenyl	S	ug/L	0	0		100	0	0	0.724	10	0	0%	28	107	0%	S
2-Fluorophenol	S	ug/L	0	0		200	0	0	3.52	10	0	0%	10	75	0%	S
Nitrobenzene-d5	S	ug/L	0	0		100	0	0	2.34	10	0	0%	32	94	0%	S
Phenol-d5	S	ug/L	0	0		200	0	0	2.06	10	0	0%	10	65	0%	S
Terphenyl-d14	S	ug/L	0	0		100	0	0	1.17	10	0	0%	32	122	0%	S
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.61	10	150	0%	0	0	0%	
o-Terphenyl	X	ug/L	0	0		0	0	0	1.27	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044897	MB-163621	SVOC-8270-W-	MBLK	V5973N.I\sd0218.2	2/19/2022 1:56:3	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.9	10	150	0%	0	0	0%	
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.97	10	150	0%	0	0	0%	
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.13	10	150	0%	0	0	0%	
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02	10	150	0%	0	0	0%	
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.39	10	150	0%	0	0	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.45	10	150	0%	0	0	0%	
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.23	10	150	0%	0	0	0%	
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.64	10	150	0%	0	0	0%	
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.69	10	150	0%	0	0	0%	
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.69	10	150	0%	0	0	0%	
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.26	10	150	0%	0	0	0%	
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.04	10	150	0%	0	0	0%	
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.2	10	150	0%	0	0	0%	
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.14	10	150	0%	0	0	0%	
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.48	10	150	0%	0	0	0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.92	10	150	0%	0	0	0%	
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.4	10	150	0%	0	0	0%	
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.36	10	150	0%	0	0	0%	
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.11	10	150	0%	0	0	0%	
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.77	10	150	0%	0	0	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.33	10	150	0%	0	0	0%	
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.74	10	150	0%	0	0	0%	
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.6	10	150	0%	0	0	0%	
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.46	10	150	0%	0	0	0%	
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.64	10	150	0%	0	0	0%	
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	2.03	10	150	0%	0	0	0%	
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.63	10	150	0%	0	0	0%	
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.5	10	150	0%	0	0	0%	
Acenaphthene	A	ug/L	0	0		0	0	0	1.89	10	150	0%	0	0	0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	1.57	10	150	0%	0	0	0%	
Aniline	A	ug/L	0	0		0	0	0	3.74	10	150	0%	0	0	0%	
Anthracene	A	ug/L	0	0		0	0	0	1.23	10	150	0%	0	0	0%	
Azobenzene	A	ug/L	0	0		0	0	0	1.09	10	150	0%	0	0	0%	
Benzidine	A	ug/L	0	0		0	0	0	6.72	10	150	0%	0	0	0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.856	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044897	MB-163621	SVOC-8270-W-	MBLK	V5973N.I\sd0218.2	2/19/2022 1:56:3	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.24	10	150	0%	0	0	0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.903	10	150	0%	0	0	0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	1.01	10	150	0%	0	0	0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.97	10	150	0%	0	0	0%	
Benzoic acid	A	ug/L	0	0		0	0	0	1.51	10	150	0%	0	0	0%	
Benzyl alcohol	A	ug/L	0	0		0	0	0	3.13	10	150	0%	0	0	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.36	10	150	0%	0	0	0%	
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.57	10	150	0%	0	0	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.49	10	150	0%	0	0	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.91	10	150	0%	0	0	0%	
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.57	10	150	0%	0	0	0%	
Carbazole	A	ug/L	0	0		0	0	0	0.842	10	150	0%	0	0	0%	
Chrysene	A	ug/L	0	0		0	0	0	1.17	10	150	0%	0	0	0%	
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.932	10	150	0%	0	0	0%	
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.34	10	150	0%	0	0	0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.17	10	150	0%	0	0	0%	
Dibenzofuran	A	ug/L	0	0		0	0	0	1.74	10	150	0%	0	0	0%	
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.18	10	150	0%	0	0	0%	
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.72	10	150	0%	0	0	0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.883	10	150	0%	0	0	0%	
Fluorene	A	ug/L	0	0		0	0	0	1.82	10	150	0%	0	0	0%	
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.33	10	150	0%	0	0	0%	
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.32	10	150	0%	0	0	0%	
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.97	10	150	0%	0	0	0%	
Hexachloroethane	A	ug/L	0	0		0	0	0	1.79	10	150	0%	0	0	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.25	10	150	0%	0	0	0%	
Isophorone	A	ug/L	0	0		0	0	0	1.67	10	150	0%	0	0	0%	
m+p-Cresols	A	ug/L	0	0		0	0	0	1.78	10	150	0%	0	0	0%	
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.54	10	150	0%	0	0	0%	
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.53	10	150	0%	0	0	0%	
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.16	10	150	0%	0	0	0%	
Naphthalene	A	ug/L	0	0		0	0	0	1.74	10	150	0%	0	0	0%	
Nitrobenzene	A	ug/L	0	0		0	0	0	2.31	10	150	0%	0	0	0%	
o-Cresol	A	ug/L	0	0		0	0	0	1.83	10	150	0%	0	0	0%	
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.52	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044897	MB-163621	SVOC-8270-W-	MBLK	V5973N.I\sd0218.2	2/19/2022 1:56:3	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.24	10	150	0%	0	0	0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.784	10	150	0%	0	0	0%	
Phenol	A	ug/L	0	0		0	0	0	1.46	10	150	0%	0	0	0%	
Pyrene	A	ug/L	0	0		0	0	0	0.921	10	150	0%	0	0	0%	
Pyridine	A	ug/L	0	0		0	0	0	3.22	10	150	0%	0	0	0%	
Triallate	A	ug/L	0	0		0	0	0	1.51	10	150	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	157.21993	157.21993		200	0	0	2.88	10	0	79%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	62.20961	62.20961		100	0	0	0.724	10	0	62%	44	119	0%	
2-Fluorophenol	S	ug/L	67.93292	67.93292		200	0	0	3.52	10	0	34%	19	119	0%	
Nitrobenzene-d5	S	ug/L	61.75791	61.75791		100	0	0	2.34	10	0	62%	44	120	0%	
Phenol-d5	S	ug/L	66.90827	66.90827		200	0	0	2.06	10	0	33%	10	65	0%	
Terphenyl-d14	S	ug/L	102.24382	102.24382		100	0	0	1.17	10	0	102%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.61	10	150	0%	0	0	0%	
o-Terphenyl	X	ug/L	0	0		0	0	0	1.27	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044898	LCS-163621	SVOC-8270-W-	LCS-DOD	V5973N.I\sd0218.2	2/19/2022 2:28:3	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	72.11133	72.11133		100	0	0	1.9	10	150	72%	29	116	0%	
1,2-Dichlorobenzene	A	ug/L	67.54023	67.54023		100	0	0	1.97	10	150	68%	32	111	0%	
1,3-Dichlorobenzene	A	ug/L	68.55354	68.55354		100	0	0	2.13	10	150	69%	28	110	0%	
1,4-Dichlorobenzene	A	ug/L	67.01728	67.01728		100	0	0	2.02	10	150	67%	29	112	0%	
1-Methylnaphthalene	A	ug/L	75.38511	75.38511		100	0	0	2.39	10	150	75%	41	119	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	67.40028	67.40028		100	0	0	1.45	10	150	67%	37	130	0%	
2,4,5-Trichlorophenol	A	ug/L	85.0706	85.0706		100	0	0	2.23	10	150	85%	53	123	0%	
2,4,6-Trichlorophenol	A	ug/L	90.75187	90.75187		100	0	0	2.64	10	150	91%	50	125	0%	
2,4-Dichlorophenol	A	ug/L	76.78898	76.78898		100	0	0	1.69	10	150	77%	47	121	0%	
2,4-Dimethylphenol	A	ug/L	79.54154	79.54154		100	0	0	1.69	10	150	80%	31	124	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044898	LCS-163621	SVOC-8270-W-	LCS-DOD	V5973N.I\sd0218.2	2/19/2022 2:28:3	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	93.12724	93.12724		100	0	0	4.26	10	150	93%	23	142	0%	
2,4-Dinitrotoluene	A	ug/L	88.83567	88.83567		100	0	0	3.04	10	150	89%	57	128	0%	
2,6-Dinitrotoluene	A	ug/L	80.02108	80.02108		100	0	0	3.2	10	150	80%	50	118	0%	
2-Chloronaphthalene	A	ug/L	86.19666	86.19666		100	0	0	2.14	10	150	86%	40	116	0%	
2-Chlorophenol	A	ug/L	69.09128	69.09128		100	0	0	2.48	10	150	69%	38	117	0%	
2-Methylnaphthalene	A	ug/L	85.68606	85.68606		100	0	0	1.92	10	150	86%	40	121	0%	
2-Nitroaniline	A	ug/L	89.55581	89.55581		100	0	0	2.4	10	150	90%	55	127	0%	
2-Nitrophenol	A	ug/L	85.21214	85.21214		100	0	0	2.36	10	150	85%	47	123	0%	
3,3´-Dichlorobenzidine	A	ug/L	71.75729	71.75729		100	0	0	2.11	10	150	72%	27	129	0%	
3-Nitroaniline	A	ug/L	78.2222	78.2222		100	0	0	2.77	10	150	78%	41	128	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	85.45466	85.45466		100	0	0	2.33	10	150	85%	44	137	0%	
4-Bromophenyl phenyl ether	A	ug/L	88.68525	88.68525		100	0	0	1.74	10	150	89%	55	124	0%	
4-Chloro-2-methylphenol	A	ug/L	82.74333	82.74333		100	0	0	1.6	10	150	83%	49	89	0%	
4-Chloro-3-methylphenol	A	ug/L	81.55282	81.55282		100	0	0	1.46	10	150	82%	52	119	0%	
4-Chlorophenol	A	ug/L	70.32817	70.32817		100	0	0	2.64	10	150	70%	41	81	0%	
4-Chlorophenyl phenyl ether	A	ug/L	96.10313	96.10313		100	0	0	2.03	10	150	96%	53	121	0%	
4-Nitroaniline	A	ug/L	86.9077	86.9077		100	0	0	1.63	10	150	87%	57	101	0%	
4-Nitrophenol	A	ug/L	40.66157	40.66157		100	0	0	2.5	10	150	41%	15	36	0%	S
Acenaphthene	A	ug/L	90.73543	90.73543		100	0	0	1.89	10	150	91%	47	122	0%	
Acenaphthylene	A	ug/L	80.75515	80.75515		100	0	0	1.57	10	150	81%	41	130	0%	
Aniline	A	ug/L	43.62622	43.62622		100	0	0	3.74	10	150	44%	24	60	0%	
Anthracene	A	ug/L	87.03899	87.03899		100	0	0	1.23	10	150	87%	57	123	0%	
Azobenzene	A	ug/L	79.94992	79.94992		100	0	0	1.09	10	150	80%	61	116	0%	
Benzidine	A	ug/L	17.49835	17.49835		100	0	0	6.72	10	150	17%	10	100	0%	
Benzo(a)anthracene	A	ug/L	96.65019	96.65019		100	0	0	0.856	10	150	97%	58	125	0%	
Benzo(a)pyrene	A	ug/L	86.51884	86.51884		100	0	0	1.24	10	150	87%	54	128	0%	
Benzo(b)fluoranthene	A	ug/L	88.51091	88.51091		100	0	0	0.903	10	150	89%	53	131	0%	
Benzo(g,h,i)perylene	A	ug/L	86.31229	86.31229		100	0	0	1.01	10	150	86%	50	134	0%	
Benzo(k)fluoranthene	A	ug/L	87.55366	87.55366		100	0	0	0.97	10	150	88%	57	129	0%	
Benzoic acid	A	ug/L	27.78443	27.78443		100	0	0	1.51	10	150	28%	10	30	0%	
Benzyl alcohol	A	ug/L	71.20928	71.20928		100	0	0	3.13	10	150	71%	31	112	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	81.41757	81.41757		100	0	0	1.36	10	150	81%	48	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	75.0357	75.0357		100	0	0	2.57	10	150	75%	43	118	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	67.40028	67.40028		100	0	0	1.49	10	150	67%	37	130	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	96.42075	96.42075		100	0	0	1.91	10	150	96%	55	135	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044898	LCS-163621	SVOC-8270-W-	LCS-DOD	V5973N.I\sd0218	2/19/2022 2:28:3	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Butylbenzylphthalate	A	ug/L	95.15212	95.15212		100	0	0	1.57	10	150	95%	53	134	0%	
Carbazole	A	ug/L	86.94465	86.94465		100	0	0	0.842	10	150	87%	60	122	0%	
Chrysene	A	ug/L	93.04684	93.04684		100	0	0	1.17	10	150	93%	59	123	0%	
Di-n-butyl phthalate	A	ug/L	94.52303	94.52303		100	0	0	0.932	10	150	95%	59	127	0%	
Di-n-octyl phthalate	A	ug/L	91.31419	91.31419		100	0	0	1.34	10	150	91%	51	140	0%	
Dibenzo(a,h)anthracene	A	ug/L	93.27545	93.27545		100	0	0	1.17	10	150	93%	51	134	0%	
Dibenzofuran	A	ug/L	91.73749	91.73749		100	0	0	1.74	10	150	92%	53	118	0%	
Diethyl phthalate	A	ug/L	90.73126	90.73126		100	0	0	2.18	10	150	91%	56	125	0%	
Dimethyl phthalate	A	ug/L	95.90273	95.90273		100	0	0	1.72	10	150	96%	45	127	0%	
Fluoranthene	A	ug/L	87.7646	87.7646		100	0	0	0.883	10	150	88%	57	128	0%	
Fluorene	A	ug/L	88.51413	88.51413		100	0	0	1.82	10	150	89%	52	124	0%	
Hexachlorobenzene	A	ug/L	84.99422	84.99422		100	0	0	1.33	10	150	85%	53	125	0%	
Hexachlorobutadiene	A	ug/L	74.91083	74.91083		100	0	0	2.32	10	150	75%	22	124	0%	
Hexachlorocyclopentadiene	A	ug/L	78.73438	78.73438		100	0	0	2.97	10	150	79%	39	91	0%	
Hexachloroethane	A	ug/L	65.52898	65.52898		100	0	0	1.79	10	150	66%	21	115	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	87.61406	87.61406		100	0	0	1.25	10	150	88%	52	134	0%	
Isophorone	A	ug/L	78.3656	78.3656		100	0	0	1.67	10	150	78%	42	124	0%	
m+p-Cresols	A	ug/L	80.26046	80.26046		100	0	0	1.78	10	150	80%	29	110	0%	
n-Nitroso-di-n-propylamine	A	ug/L	95.43744	95.43744		100	0	0	1.54	10	150	95%	49	119	0%	
n-Nitrosodimethylamine	A	ug/L	50.02138	50.02138		100	0	0	1.53	10	150	50%	20	45	0%	S
n-Nitrosodiphenylamine	A	ug/L	87.03053	87.03053		100	0	0	1.16	10	150	87%	51	123	0%	
Naphthalene	A	ug/L	82.80869	82.80869		100	0	0	1.74	10	150	83%	40	121	0%	
Nitrobenzene	A	ug/L	88.70315	88.70315		100	0	0	2.31	10	150	89%	45	121	0%	
o-Cresol	A	ug/L	77.24403	77.24403		100	0	0	1.83	10	150	77%	30	117	0%	
p-Chloroaniline	A	ug/L	70.62357	70.62357		100	0	0	1.52	10	150	71%	33	117	0%	
Pentachlorophenol	A	ug/L	95.82686	95.82686		100	0	0	4.24	10	150	96%	35	138	0%	
Phenanthrene	A	ug/L	91.57416	91.57416		100	0	0	0.784	10	150	92%	59	120	0%	
Phenol	A	ug/L	48.92728	48.92728		100	0	0	1.46	10	150	49%	37	75	0%	
Pyrene	A	ug/L	85.43177	85.43177		100	0	0	0.921	10	150	85%	57	126	0%	
Pyridine	A	ug/L	35.87302	35.87302		100	0	0	3.22	10	150	36%	16	45	0%	
Triallate	A	ug/L	84.12943	84.12943		100	0	0	1.51	10	150	84%	59	105	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044898	LCS-163621	SVOC-8270-W-	LCS-DOD	V5973N.I\sd0218.2/19/2022 2:28:3		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	173.96957	173.96957		200	0	0	2.88	10	0	87%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	72.79224	72.79224		100	0	0	0.724	10	0	73%	44	119	0%	
2-Fluorophenol	S	ug/L	79.13983	79.13983		200	0	0	3.52	10	0	40%	19	119	0%	
Nitrobenzene-d5	S	ug/L	77.57472	77.57472		100	0	0	2.34	10	0	78%	44	120	0%	
Phenol-d5	S	ug/L	83.36222	83.36222		200	0	0	2.06	10	0	42%	10	65	0%	
Terphenyl-d14	S	ug/L	94.31162	94.31162		100	0	0	1.17	10	0	94%	50	134	0%	
4-Chloroaniline	X	ug/L	70.62357	70.62357		100	0	0	1.61	10	150	71%	33	117	0%	
o-Terphenyl	X	ug/L	86.77733	86.77733		100	0	0	1.27	10	150	87%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044899	LCSD-163621	SVOC-8270-W-	LCSD-DOD	V5973N.I\sd0218.2/19/2022 3:01:0		1	163621	2/9/2022 8:1	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	72.4878	72.4878		100	0	72.11133	1.9	10	150	72%	29	116	1%	
1,2-Dichlorobenzene	A	ug/L	65.16801	65.16801		100	0	67.54023	1.97	10	150	65%	32	111	4%	
1,3-Dichlorobenzene	A	ug/L	65.9956	65.9956		100	0	68.55354	2.13	10	150	66%	28	110	4%	
1,4-Dichlorobenzene	A	ug/L	66.11494	66.11494		100	0	67.01728	2.02	10	150	66%	29	112	1%	
1-Methylnaphthalene	A	ug/L	75.96741	75.96741		100	0	75.38511	2.39	10	150	76%	41	119	1%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	68.59076	68.59076		100	0	67.40028	1.45	10	150	69%	37	130	2%	
2,4,5-Trichlorophenol	A	ug/L	78.28207	78.28207		100	0	85.0706	2.23	10	150	78%	53	123	8%	
2,4,6-Trichlorophenol	A	ug/L	84.921	84.921		100	0	90.75187	2.64	10	150	85%	50	125	7%	
2,4-Dichlorophenol	A	ug/L	74.57862	74.57862		100	0	76.78898	1.69	10	150	75%	47	121	3%	
2,4-Dimethylphenol	A	ug/L	80.97589	80.97589		100	0	79.54154	1.69	10	150	81%	31	124	2%	
2,4-Dinitrophenol	A	ug/L	80.42462	80.42462		100	0	93.12724	4.26	10	150	80%	23	142	15%	
2,4-Dinitrotoluene	A	ug/L	90.52136	90.52136		100	0	88.83567	3.04	10	150	91%	57	128	2%	
2,6-Dinitrotoluene	A	ug/L	83.55323	83.55323		100	0	80.02108	3.2	10	150	84%	50	118	4%	
2-Chloronaphthalene	A	ug/L	87.49238	87.49238		100	0	86.19666	2.14	10	150	87%	40	116	1%	
2-Chlorophenol	A	ug/L	69.11519	69.11519		100	0	69.09128	2.48	10	150	69%	38	117	0%	
2-Methylnaphthalene	A	ug/L	86.43056	86.43056		100	0	85.68606	1.92	10	150	86%	40	121	1%	
2-Nitroaniline	A	ug/L	92.53414	92.53414		100	0	89.55581	2.4	10	150	93%	55	127	3%	
2-Nitrophenol	A	ug/L	80.50183	80.50183		100	0	85.21214	2.36	10	150	81%	47	123	6%	
3,3´-Dichlorobenzidine	A	ug/L	76.40623	76.40623		100	0	71.75729	2.11	10	150	76%	27	129	6%	
3-Nitroaniline	A	ug/L	80.64832	80.64832		100	0	78.2222	2.77	10	150	81%	41	128	3%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044899	LCSD-163621	SVOC-8270-W-	LCSD-DOD	V5973N.I\sd0218.2	2/19/2022 3:01:0	1	163621	2/9/2022 8:1	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4,6-Dinitro-2-methylphenol	A	ug/L	92.50957	92.50957		100	0	85.45466	2.33	10	150	93%	44	137	8%	
4-Bromophenyl phenyl ether	A	ug/L	95.70303	95.70303		100	0	88.68525	1.74	10	150	96%	55	124	8%	
4-Chloro-2-methylphenol	A	ug/L	79.89823	79.89823		100	0	82.74333	1.6	10	150	80%	49	89	3%	
4-Chloro-3-methylphenol	A	ug/L	84.99278	84.99278		100	0	81.55282	1.46	10	150	85%	52	119	4%	
4-Chlorophenol	A	ug/L	66.832	66.832		100	0	70.32817	2.64	10	150	67%	41	81	5%	
4-Chlorophenyl phenyl ether	A	ug/L	94.94276	94.94276		100	0	96.10313	2.03	10	150	95%	53	121	1%	
4-Nitroaniline	A	ug/L	93.01999	93.01999		100	0	86.9077	1.63	10	150	93%	57	101	7%	
4-Nitrophenol	A	ug/L	37.85088	37.85088		100	0	40.66157	2.5	10	150	38%	15	36	7%	S
Acenaphthene	A	ug/L	92.24748	92.24748		100	0	90.73543	1.89	10	150	92%	47	122	2%	
Acenaphthylene	A	ug/L	83.99993	83.99993		100	0	80.75515	1.57	10	150	84%	41	130	4%	
Aniline	A	ug/L	42.22052	42.22052		100	0	43.62622	3.74	10	150	42%	24	60	3%	
Anthracene	A	ug/L	101.1685	101.1685		100	0	87.03899	1.23	10	150	101%	57	123	15%	
Azobenzene	A	ug/L	87.43252	87.43252		100	0	79.94992	1.09	10	150	87%	61	116	9%	
Benzidine	A	ug/L	24.4583	24.4583		100	0	17.49835	6.72	10	150	24%	10	100	33%	R
Benzo(a)anthracene	A	ug/L	98.24219	98.24219		100	0	96.65019	0.856	10	150	98%	58	125	2%	
Benzo(a)pyrene	A	ug/L	91.65167	91.65167		100	0	86.51884	1.24	10	150	92%	54	128	6%	
Benzo(b)fluoranthene	A	ug/L	94.78405	94.78405		100	0	88.51091	0.903	10	150	95%	53	131	7%	
Benzo(g,h,i)perylene	A	ug/L	94.21764	94.21764		100	0	86.31229	1.01	10	150	94%	50	134	9%	
Benzo(k)fluoranthene	A	ug/L	93.40739	93.40739		100	0	87.55366	0.97	10	150	93%	57	129	6%	
Benzoic acid	A	ug/L	29.48633	29.48633		100	0	27.78443	1.51	10	150	29%	10	30	6%	
Benzyl alcohol	A	ug/L	68.22013	68.22013		100	0	71.20928	3.13	10	150	68%	31	112	4%	
bis(-2-chloroethoxy)Methane	A	ug/L	81.20619	81.20619		100	0	81.41757	1.36	10	150	81%	48	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	77.4757	77.4757		100	0	75.0357	2.57	10	150	77%	43	118	3%	
bis(2-chloroisopropyl)Ether	A	ug/L	68.59076	68.59076		100	0	67.40028	1.49	10	150	69%	37	130	2%	
bis(2-ethylhexyl)Phthalate	A	ug/L	97.89664	97.89664		100	0	96.42075	1.91	10	150	98%	55	135	2%	
Butylbenzylphthalate	A	ug/L	95.56213	95.56213		100	0	95.15212	1.57	10	150	96%	53	134	0%	
Carbazole	A	ug/L	99.94418	99.94418		100	0	86.94465	0.842	10	150	100%	60	122	14%	
Chrysene	A	ug/L	95.26113	95.26113		100	0	93.04684	1.17	10	150	95%	59	123	2%	
Di-n-butyl phthalate	A	ug/L	102.87026	102.87026		100	0	94.52303	0.932	10	150	103%	59	127	8%	
Di-n-octyl phthalate	A	ug/L	97.77158	97.77158		100	0	91.31419	1.34	10	150	98%	51	140	7%	
Dibenzo(a,h)anthracene	A	ug/L	98.32352	98.32352		100	0	93.27545	1.17	10	150	98%	51	134	5%	
Dibenzofuran	A	ug/L	91.66162	91.66162		100	0	91.73749	1.74	10	150	92%	53	118	0%	
Diethyl phthalate	A	ug/L	90.25647	90.25647		100	0	90.73126	2.18	10	150	90%	56	125	1%	
Dimethyl phthalate	A	ug/L	96.68337	96.68337		100	0	95.90273	1.72	10	150	97%	45	127	1%	
Fluoranthene	A	ug/L	96.57704	96.57704		100	0	87.7646	0.883	10	150	97%	57	128	10%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044899	LCSD-163621	SVOC-8270-W-	LCSD-DOD	V5973N.I\sd0218.2	2/19/2022 3:01:0	1	163621	2/9/2022 8:1	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluorene	A	ug/L	86.06884	86.06884		100	0	88.51413	1.82	10	150	86%	52	124	3%	
Hexachlorobenzene	A	ug/L	96.42207	96.42207		100	0	84.99422	1.33	10	150	96%	53	125	13%	
Hexachlorobutadiene	A	ug/L	73.48087	73.48087		100	0	74.91083	2.32	10	150	73%	22	124	2%	
Hexachlorocyclopentadiene	A	ug/L	78.5859	78.5859		100	0	78.73438	2.97	10	150	79%	39	91	0%	
Hexachloroethane	A	ug/L	63.81814	63.81814		100	0	65.52898	1.79	10	150	64%	21	115	3%	
Indeno(1,2,3-cd)pyrene	A	ug/L	90.79329	90.79329		100	0	87.61406	1.25	10	150	91%	52	134	4%	
Isophorone	A	ug/L	79.38809	79.38809		100	0	78.3656	1.67	10	150	79%	42	124	1%	
m+p-Cresols	A	ug/L	79.22409	79.22409		100	0	80.26046	1.78	10	150	79%	29	110	1%	
n-Nitroso-di-n-propylamine	A	ug/L	99.91869	99.91869		100	0	95.43744	1.54	10	150	100%	49	119	5%	
n-Nitrosodimethylamine	A	ug/L	52.31318	52.31318		100	0	50.02138	1.53	10	150	52%	20	45	4%	S
n-Nitrosodiphenylamine	A	ug/L	99.28947	99.28947		100	0	87.03053	1.16	10	150	99%	51	123	13%	
Naphthalene	A	ug/L	86.03556	86.03556		100	0	82.80869	1.74	10	150	86%	40	121	4%	
Nitrobenzene	A	ug/L	90.39738	90.39738		100	0	88.70315	2.31	10	150	90%	45	121	2%	
o-Cresol	A	ug/L	76.48726	76.48726		100	0	77.24403	1.83	10	150	76%	30	117	1%	
p-Chloroaniline	A	ug/L	70.8699	70.8699		100	0	70.62357	1.52	10	150	71%	33	117	0%	
Pentachlorophenol	A	ug/L	102.68868	102.68868		100	0	95.82686	4.24	10	150	103%	35	138	7%	
Phenanthrene	A	ug/L	99.34168	99.34168		100	0	91.57416	0.784	10	150	99%	59	120	8%	
Phenol	A	ug/L	50.66824	50.66824		100	0	48.92728	1.46	10	150	51%	37	75	3%	
Pyrene	A	ug/L	95.17114	95.17114		100	0	85.43177	0.921	10	150	95%	57	126	11%	
Pyridine	A	ug/L	37.18355	37.18355		100	0	35.87302	3.22	10	150	37%	16	45	4%	
Triallate	A	ug/L	91.04703	91.04703		100	0	84.12943	1.51	10	150	91%	59	105	8%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	182.92177	182.92177		200	0	0	2.88	10	0	91%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	68.85469	68.85469		100	0	0	0.724	10	0	69%	44	119	0%	
2-Fluorophenol	S	ug/L	78.74863	78.74863		200	0	0	3.52	10	0	39%	19	119	0%	
Nitrobenzene-d5	S	ug/L	77.02825	77.02825		100	0	0	2.34	10	0	77%	44	120	0%	
Phenol-d5	S	ug/L	85.94825	85.94825		200	0	0	2.06	10	0	43%	10	65	0%	
Terphenyl-d14	S	ug/L	100.97909	100.97909		100	0	0	1.17	10	0	101%	50	134	0%	
4-Chloroaniline	X	ug/L	70.8699	70.8699		100	0	70.62357	1.61	10	150	71%	33	117	0%	
o-Terphenyl	X	ug/L	96.46658	96.46658		100	0	86.77733	1.27	10	150	96%	40	140	11%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044900	MB-163724	SVOC-8270-W-	MBLK	V5973N.I\sd0218.2	2/19/2022 3:33:2	1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.9	10	150	0%	0	0	0%	
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.97	10	150	0%	0	0	0%	
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.13	10	150	0%	0	0	0%	
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02	10	150	0%	0	0	0%	
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.39	10	150	0%	0	0	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.45	10	150	0%	0	0	0%	
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.23	10	150	0%	0	0	0%	
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.64	10	150	0%	0	0	0%	
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.69	10	150	0%	0	0	0%	
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.69	10	150	0%	0	0	0%	
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.26	10	150	0%	0	0	0%	
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.04	10	150	0%	0	0	0%	
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.2	10	150	0%	0	0	0%	
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.14	10	150	0%	0	0	0%	
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.48	10	150	0%	0	0	0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.92	10	150	0%	0	0	0%	
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.4	10	150	0%	0	0	0%	
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.36	10	150	0%	0	0	0%	
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.11	10	150	0%	0	0	0%	
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.77	10	150	0%	0	0	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.33	10	150	0%	0	0	0%	
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.74	10	150	0%	0	0	0%	
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.6	10	150	0%	0	0	0%	
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.46	10	150	0%	0	0	0%	
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.64	10	150	0%	0	0	0%	
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	2.03	10	150	0%	0	0	0%	
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.63	10	150	0%	0	0	0%	
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.5	10	150	0%	0	0	0%	
Acenaphthene	A	ug/L	0	0		0	0	0	1.89	10	150	0%	0	0	0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	1.57	10	150	0%	0	0	0%	
Aniline	A	ug/L	0	0		0	0	0	3.74	10	150	0%	0	0	0%	
Anthracene	A	ug/L	0	0		0	0	0	1.23	10	150	0%	0	0	0%	
Azobenzene	A	ug/L	0	0		0	0	0	1.09	10	150	0%	0	0	0%	
Benzidine	A	ug/L	0	0		0	0	0	6.72	10	150	0%	0	0	0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.856	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044900	MB-163724	SVOC-8270-W-	MBLK	V5973N.I\sd0218.2	2/19/2022 3:33:2	1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.24	10	150	0%	0	0	0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.903	10	150	0%	0	0	0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	1.01	10	150	0%	0	0	0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.97	10	150	0%	0	0	0%	
Benzoic acid	A	ug/L	0	0		0	0	0	1.51	10	150	0%	0	0	0%	
Benzyl alcohol	A	ug/L	0	0		0	0	0	3.13	10	150	0%	0	0	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.36	10	150	0%	0	0	0%	
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.57	10	150	0%	0	0	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.49	10	150	0%	0	0	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.91	10	150	0%	0	0	0%	
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.57	10	150	0%	0	0	0%	
Carbazole	A	ug/L	0	0		0	0	0	0.842	10	150	0%	0	0	0%	
Chrysene	A	ug/L	0	0		0	0	0	1.17	10	150	0%	0	0	0%	
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.932	10	150	0%	0	0	0%	
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.34	10	150	0%	0	0	0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.17	10	150	0%	0	0	0%	
Dibenzofuran	A	ug/L	0	0		0	0	0	1.74	10	150	0%	0	0	0%	
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.18	10	150	0%	0	0	0%	
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.72	10	150	0%	0	0	0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.883	10	150	0%	0	0	0%	
Fluorene	A	ug/L	0	0		0	0	0	1.82	10	150	0%	0	0	0%	
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.33	10	150	0%	0	0	0%	
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.32	10	150	0%	0	0	0%	
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.97	10	150	0%	0	0	0%	
Hexachloroethane	A	ug/L	0	0		0	0	0	1.79	10	150	0%	0	0	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.25	10	150	0%	0	0	0%	
Isophorone	A	ug/L	0	0		0	0	0	1.67	10	150	0%	0	0	0%	
m+p-Cresols	A	ug/L	0	0		0	0	0	1.78	10	150	0%	0	0	0%	
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.54	10	150	0%	0	0	0%	
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.53	10	150	0%	0	0	0%	
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.16	10	150	0%	0	0	0%	
Naphthalene	A	ug/L	0	0		0	0	0	1.74	10	150	0%	0	0	0%	
Nitrobenzene	A	ug/L	0	0		0	0	0	2.31	10	150	0%	0	0	0%	
o-Cresol	A	ug/L	0	0		0	0	0	1.83	10	150	0%	0	0	0%	
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.52	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044900	MB-163724	SVOC-8270-W-	MBLK	V5973N.I\sd0218	2/19/2022 3:33:2	1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.24	10	150	0%	0	0	0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.784	10	150	0%	0	0	0%	
Phenol	A	ug/L	0	0		0	0	0	1.46	10	150	0%	0	0	0%	
Pyrene	A	ug/L	0	0		0	0	0	0.921	10	150	0%	0	0	0%	
Pyridine	A	ug/L	0	0		0	0	0	3.22	10	150	0%	0	0	0%	
Triallate	A	ug/L	0	0		0	0	0	1.51	10	150	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	160.50171	160.50171		200	0	0	2.88	10	0	80%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	66.75625	66.75625		100	0	0	0.724	10	0	67%	44	119	0%	
2-Fluorophenol	S	ug/L	64.67732	64.67732		200	0	0	3.52	10	0	32%	19	119	0%	
Nitrobenzene-d5	S	ug/L	61.82567	61.82567		100	0	0	2.34	10	0	62%	44	120	0%	
Phenol-d5	S	ug/L	63.69295	63.69295		200	0	0	2.06	10	0	32%	10	65	0%	
Terphenyl-d14	S	ug/L	109.69283	109.69283		100	0	0	1.17	10	0	110%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.61	10	150	0%	0	0	0%	
o-Terphenyl	X	ug/L	0	0		0	0	0	1.27	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044901	LCS-163724	SVOC-8270-W-	LCS-DOD	V5973N.I\sd0218	2/19/2022 4:05:4	1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	73.08032	73.08032		100	0	0	1.9	10	150	73%	29	116	0%	
1,2-Dichlorobenzene	A	ug/L	67.18185	67.18185		100	0	0	1.97	10	150	67%	32	111	0%	
1,3-Dichlorobenzene	A	ug/L	70.18688	70.18688		100	0	0	2.13	10	150	70%	28	110	0%	
1,4-Dichlorobenzene	A	ug/L	67.41221	67.41221		100	0	0	2.02	10	150	67%	29	112	0%	
1-Methylnaphthalene	A	ug/L	76.90023	76.90023		100	0	0	2.39	10	150	77%	41	119	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	64.72892	64.72892		100	0	0	1.45	10	150	65%	37	130	0%	
2,4,5-Trichlorophenol	A	ug/L	82.80882	82.80882		100	0	0	2.23	10	150	83%	53	123	0%	
2,4,6-Trichlorophenol	A	ug/L	90.66008	90.66008		100	0	0	2.64	10	150	91%	50	125	0%	
2,4-Dichlorophenol	A	ug/L	74.96341	74.96341		100	0	0	1.69	10	150	75%	47	121	0%	
2,4-Dimethylphenol	A	ug/L	80.07549	80.07549		100	0	0	1.69	10	150	80%	31	124	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044901	LCS-163724	SVOC-8270-W-	LCS-DOD	V5973N.I\sd0218	2/19/2022 4:05:4	1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	87.3775	87.3775		100	0	0	4.26	10	150	87%	23	142	0%	
2,4-Dinitrotoluene	A	ug/L	91.66768	91.66768		100	0	0	3.04	10	150	92%	57	128	0%	
2,6-Dinitrotoluene	A	ug/L	84.72668	84.72668		100	0	0	3.2	10	150	85%	50	118	0%	
2-Chloronaphthalene	A	ug/L	82.80058	82.80058		100	0	0	2.14	10	150	83%	40	116	0%	
2-Chlorophenol	A	ug/L	67.19482	67.19482		100	0	0	2.48	10	150	67%	38	117	0%	
2-Methylnaphthalene	A	ug/L	87.33699	87.33699		100	0	0	1.92	10	150	87%	40	121	0%	
2-Nitroaniline	A	ug/L	92.43039	92.43039		100	0	0	2.4	10	150	92%	55	127	0%	
2-Nitrophenol	A	ug/L	82.21332	82.21332		100	0	0	2.36	10	150	82%	47	123	0%	
3,3´-Dichlorobenzidine	A	ug/L	74.39196	74.39196		100	0	0	2.11	10	150	74%	27	129	0%	
3-Nitroaniline	A	ug/L	74.90425	74.90425		100	0	0	2.77	10	150	75%	41	128	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	90.22284	90.22284		100	0	0	2.33	10	150	90%	44	137	0%	
4-Bromophenyl phenyl ether	A	ug/L	97.39424	97.39424		100	0	0	1.74	10	150	97%	55	124	0%	
4-Chloro-2-methylphenol	A	ug/L	83.00575	83.00575		100	0	0	1.6	10	150	83%	49	89	0%	
4-Chloro-3-methylphenol	A	ug/L	85.80971	85.80971		100	0	0	1.46	10	150	86%	52	119	0%	
4-Chlorophenol	A	ug/L	66.46936	66.46936		100	0	0	2.64	10	150	66%	41	81	0%	
4-Chlorophenyl phenyl ether	A	ug/L	98.92562	98.92562		100	0	0	2.03	10	150	99%	53	121	0%	
4-Nitroaniline	A	ug/L	87.30974	87.30974		100	0	0	1.63	10	150	87%	57	101	0%	
4-Nitrophenol	A	ug/L	35.8244	35.8244		100	0	0	2.5	10	150	36%	15	36	0%	
Acenaphthene	A	ug/L	90.62853	90.62853		100	0	0	1.89	10	150	91%	47	122	0%	
Acenaphthylene	A	ug/L	85.85531	85.85531		100	0	0	1.57	10	150	86%	41	130	0%	
Aniline	A	ug/L	42.39496	42.39496		100	0	0	3.74	10	150	42%	24	60	0%	
Anthracene	A	ug/L	96.46542	96.46542		100	0	0	1.23	10	150	96%	57	123	0%	
Azobenzene	A	ug/L	84.39746	84.39746		100	0	0	1.09	10	150	84%	61	116	0%	
Benzidine	A	ug/L	20.23749	20.23749		100	0	0	6.72	10	150	20%	10	100	0%	
Benzo(a)anthracene	A	ug/L	100.28591	100.28591		100	0	0	0.856	10	150	100%	58	125	0%	
Benzo(a)pyrene	A	ug/L	88.48448	88.48448		100	0	0	1.24	10	150	88%	54	128	0%	
Benzo(b)fluoranthene	A	ug/L	92.03722	92.03722		100	0	0	0.903	10	150	92%	53	131	0%	
Benzo(g,h,i)perylene	A	ug/L	91.79324	91.79324		100	0	0	1.01	10	150	92%	50	134	0%	
Benzo(k)fluoranthene	A	ug/L	90.65406	90.65406		100	0	0	0.97	10	150	91%	57	129	0%	
Benzoic acid	A	ug/L	28.6632	28.6632		100	0	0	1.51	10	150	29%	10	30	0%	
Benzyl alcohol	A	ug/L	64.85687	64.85687		100	0	0	3.13	10	150	65%	31	112	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	85.06916	85.06916		100	0	0	1.36	10	150	85%	48	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	75.57094	75.57094		100	0	0	2.57	10	150	76%	43	118	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	64.72892	64.72892		100	0	0	1.49	10	150	65%	37	130	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	97.43577	97.43577		100	0	0	1.91	10	150	97%	55	135	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044901	LCS-163724	SVOC-8270-W-	LCS-DOD	V5973N.I\sd0218	2/19/2022 4:05:4	1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Butylbenzylphthalate	A	ug/L	95.5304	95.5304		100	0	0	1.57	10	150	96%	53	134	0%	
Carbazole	A	ug/L	96.34964	96.34964		100	0	0	0.842	10	150	96%	60	122	0%	
Chrysene	A	ug/L	95.38008	95.38008		100	0	0	1.17	10	150	95%	59	123	0%	
Di-n-butyl phthalate	A	ug/L	99.97305	99.97305		100	0	0	0.932	10	150	100%	59	127	0%	
Di-n-octyl phthalate	A	ug/L	97.2895	97.2895		100	0	0	1.34	10	150	97%	51	140	0%	
Dibenzo(a,h)anthracene	A	ug/L	92.9687	92.9687		100	0	0	1.17	10	150	93%	51	134	0%	
Dibenzofuran	A	ug/L	90.4568	90.4568		100	0	0	1.74	10	150	90%	53	118	0%	
Diethyl phthalate	A	ug/L	91.81151	91.81151		100	0	0	2.18	10	150	92%	56	125	0%	
Dimethyl phthalate	A	ug/L	95.84717	95.84717		100	0	0	1.72	10	150	96%	45	127	0%	
Fluoranthene	A	ug/L	94.43958	94.43958		100	0	0	0.883	10	150	94%	57	128	0%	
Fluorene	A	ug/L	86.41982	86.41982		100	0	0	1.82	10	150	86%	52	124	0%	
Hexachlorobenzene	A	ug/L	93.16778	93.16778		100	0	0	1.33	10	150	93%	53	125	0%	
Hexachlorobutadiene	A	ug/L	70.63598	70.63598		100	0	0	2.32	10	150	71%	22	124	0%	
Hexachlorocyclopentadiene	A	ug/L	77.87744	77.87744		100	0	0	2.97	10	150	78%	39	91	0%	
Hexachloroethane	A	ug/L	64.6644	64.6644		100	0	0	1.79	10	150	65%	21	115	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	91.11588	91.11588		100	0	0	1.25	10	150	91%	52	134	0%	
Isophorone	A	ug/L	81.32764	81.32764		100	0	0	1.67	10	150	81%	42	124	0%	
m+p-Cresols	A	ug/L	75.69367	75.69367		100	0	0	1.78	10	150	76%	29	110	0%	
n-Nitroso-di-n-propylamine	A	ug/L	100.54493	100.54493		100	0	0	1.54	10	150	101%	49	119	0%	
n-Nitrosodimethylamine	A	ug/L	49.56747	49.56747		100	0	0	1.53	10	150	50%	20	45	0%	S
n-Nitrosodiphenylamine	A	ug/L	96.96534	96.96534		100	0	0	1.16	10	150	97%	51	123	0%	
Naphthalene	A	ug/L	83.75664	83.75664		100	0	0	1.74	10	150	84%	40	121	0%	
Nitrobenzene	A	ug/L	88.7235	88.7235		100	0	0	2.31	10	150	89%	45	121	0%	
o-Cresol	A	ug/L	75.31348	75.31348		100	0	0	1.83	10	150	75%	30	117	0%	
p-Chloroaniline	A	ug/L	63.86384	63.86384		100	0	0	1.52	10	150	64%	33	117	0%	
Pentachlorophenol	A	ug/L	101.76752	101.76752		100	0	0	4.24	10	150	102%	35	138	0%	
Phenanthrene	A	ug/L	96.66839	96.66839		100	0	0	0.784	10	150	97%	59	120	0%	
Phenol	A	ug/L	48.00612	48.00612		100	0	0	1.46	10	150	48%	37	75	0%	
Pyrene	A	ug/L	92.2453	92.2453		100	0	0	0.921	10	150	92%	57	126	0%	
Pyridine	A	ug/L	34.78255	34.78255		100	0	0	3.22	10	150	35%	16	45	0%	
Triallate	A	ug/L	93.99248	93.99248		100	0	0	1.51	10	150	94%	59	105	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044901	LCS-163724	SVOC-8270-W-	LCS-DOD	V5973N.I\sd0218.2	2/19/2022 4:05:4	1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	182.72581	182.72581		200	0	0	2.88	10	0	91%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	86.61134	86.61134		100	0	0	0.724	10	0	87%	44	119	0%	
2-Fluorophenol	S	ug/L	78.28966	78.28966		200	0	0	3.52	10	0	39%	19	119	0%	
Nitrobenzene-d5	S	ug/L	75.30437	75.30437		100	0	0	2.34	10	0	75%	44	120	0%	
Phenol-d5	S	ug/L	81.07662	81.07662		200	0	0	2.06	10	0	41%	10	65	0%	
Terphenyl-d14	S	ug/L	99.78889	99.78889		100	0	0	1.17	10	0	100%	50	134	0%	
4-Chloroaniline	X	ug/L	63.86384	63.86384		100	0	0	1.61	10	150	64%	33	117	0%	
o-Terphenyl	X	ug/L	92.941	92.941		100	0	0	1.27	10	150	93%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044902	LCSD-163724	SVOC-8270-W-	LCSD-DOD	V5973N.I\sd0218.2	2/19/2022 4:38:1	1	163724	2/14/2022 1	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	73.75245	73.75245		100	0	73.08032	1.9	10	150	74%	29	116	1%	
1,2-Dichlorobenzene	A	ug/L	67.50894	67.50894		100	0	67.18185	1.97	10	150	68%	32	111	0%	
1,3-Dichlorobenzene	A	ug/L	66.87025	66.87025		100	0	70.18688	2.13	10	150	67%	28	110	5%	
1,4-Dichlorobenzene	A	ug/L	66.9263	66.9263		100	0	67.41221	2.02	10	150	67%	29	112	1%	
1-Methylnaphthalene	A	ug/L	82.29669	82.29669		100	0	76.90023	2.39	10	150	82%	41	119	7%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	68.19406	68.19406		100	0	64.72892	1.45	10	150	68%	37	130	5%	
2,4,5-Trichlorophenol	A	ug/L	83.47363	83.47363		100	0	82.80882	2.23	10	150	83%	53	123	1%	
2,4,6-Trichlorophenol	A	ug/L	94.13847	94.13847		100	0	90.66008	2.64	10	150	94%	50	125	4%	
2,4-Dichlorophenol	A	ug/L	78.61053	78.61053		100	0	74.96341	1.69	10	150	79%	47	121	5%	
2,4-Dimethylphenol	A	ug/L	87.50294	87.50294		100	0	80.07549	1.69	10	150	88%	31	124	9%	
2,4-Dinitrophenol	A	ug/L	92.76901	92.76901		100	0	87.3775	4.26	10	150	93%	23	142	6%	
2,4-Dinitrotoluene	A	ug/L	94.57277	94.57277		100	0	91.66768	3.04	10	150	95%	57	128	3%	
2,6-Dinitrotoluene	A	ug/L	94.67513	94.67513		100	0	84.72668	3.2	10	150	95%	50	118	11%	
2-Chloronaphthalene	A	ug/L	87.36468	87.36468		100	0	82.80058	2.14	10	150	87%	40	116	5%	
2-Chlorophenol	A	ug/L	70.77889	70.77889		100	0	67.19482	2.48	10	150	71%	38	117	5%	
2-Methylnaphthalene	A	ug/L	92.13579	92.13579		100	0	87.33699	1.92	10	150	92%	40	121	5%	
2-Nitroaniline	A	ug/L	98.28212	98.28212		100	0	92.43039	2.4	10	150	98%	55	127	6%	
2-Nitrophenol	A	ug/L	88.84468	88.84468		100	0	82.21332	2.36	10	150	89%	47	123	8%	
3,3´-Dichlorobenzidine	A	ug/L	80.02201	80.02201		100	0	74.39196	2.11	10	150	80%	27	129	7%	
3-Nitroaniline	A	ug/L	85.93354	85.93354		100	0	74.90425	2.77	10	150	86%	41	128	14%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044902	LCSD-163724	SVOC-8270-W-	LCSD-DOD	V5973N.I\sd0218.2	2/19/2022 4:38:1	1	163724	2/14/2022 1	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4,6-Dinitro-2-methylphenol	A	ug/L	88.02544	88.02544		100	0	90.22284	2.33	10	150	88%	44	137	2%	
4-Bromophenyl phenyl ether	A	ug/L	100.49691	100.49691		100	0	97.39424	1.74	10	150	100%	55	124	3%	
4-Chloro-2-methylphenol	A	ug/L	89.62957	89.62957		100	0	83.00575	1.6	10	150	90%	49	89	8%	S
4-Chloro-3-methylphenol	A	ug/L	91.1575	91.1575		100	0	85.80971	1.46	10	150	91%	52	119	6%	
4-Chlorophenol	A	ug/L	75.0525	75.0525		100	0	66.46936	2.64	10	150	75%	41	81	12%	
4-Chlorophenyl phenyl ether	A	ug/L	104.63319	104.63319		100	0	98.92562	2.03	10	150	105%	53	121	6%	
4-Nitroaniline	A	ug/L	96.59708	96.59708		100	0	87.30974	1.63	10	150	97%	57	101	10%	
4-Nitrophenol	A	ug/L	39.12772	39.12772		100	0	35.8244	2.5	10	150	39%	15	36	9%	S
Acenaphthene	A	ug/L	98.21591	98.21591		100	0	90.62853	1.89	10	150	98%	47	122	8%	
Acenaphthylene	A	ug/L	88.80834	88.80834		100	0	85.85531	1.57	10	150	89%	41	130	3%	
Aniline	A	ug/L	49.81892	49.81892		100	0	42.39496	3.74	10	150	50%	24	60	16%	
Anthracene	A	ug/L	94.94145	94.94145		100	0	96.46542	1.23	10	150	95%	57	123	2%	
Azobenzene	A	ug/L	86.3002	86.3002		100	0	84.39746	1.09	10	150	86%	61	116	2%	
Benzidine	A	ug/L	39.53134	39.53134		100	0	20.23749	6.72	10	150	40%	10	100	65%	R
Benzo(a)anthracene	A	ug/L	105.04101	105.04101		100	0	100.28591	0.856	10	150	105%	58	125	5%	
Benzo(a)pyrene	A	ug/L	96.62828	96.62828		100	0	88.48448	1.24	10	150	97%	54	128	9%	
Benzo(b)fluoranthene	A	ug/L	101.42419	101.42419		100	0	92.03722	0.903	10	150	101%	53	131	10%	
Benzo(g,h,i)perylene	A	ug/L	100.79589	100.79589		100	0	91.79324	1.01	10	150	101%	50	134	9%	
Benzo(k)fluoranthene	A	ug/L	90.65197	90.65197		100	0	90.65406	0.97	10	150	91%	57	129	0%	
Benzoic acid	A	ug/L	31.8182	31.8182		100	0	28.6632	1.51	10	150	32%	10	30	10%	S
Benzyl alcohol	A	ug/L	71.47748	71.47748		100	0	64.85687	3.13	10	150	71%	31	112	10%	
bis(-2-chloroethoxy)Methane	A	ug/L	90.75919	90.75919		100	0	85.06916	1.36	10	150	91%	48	120	6%	
bis(-2-chloroethyl)Ether	A	ug/L	78.20027	78.20027		100	0	75.57094	2.57	10	150	78%	43	118	3%	
bis(2-chloroisopropyl)Ether	A	ug/L	68.19406	68.19406		100	0	64.72892	1.49	10	150	68%	37	130	5%	
bis(2-ethylhexyl)Phthalate	A	ug/L	106.25394	106.25394		100	0	97.43577	1.91	10	150	106%	55	135	9%	
Butylbenzylphthalate	A	ug/L	102.12297	102.12297		100	0	95.5304	1.57	10	150	102%	53	134	7%	
Carbazole	A	ug/L	98.85417	98.85417		100	0	96.34964	0.842	10	150	99%	60	122	3%	
Chrysene	A	ug/L	100.94288	100.94288		100	0	95.38008	1.17	10	150	101%	59	123	6%	
Di-n-butyl phthalate	A	ug/L	101.72366	101.72366		100	0	99.97305	0.932	10	150	102%	59	127	2%	
Di-n-octyl phthalate	A	ug/L	102.47815	102.47815		100	0	97.2895	1.34	10	150	102%	51	140	5%	
Dibenzo(a,h)anthracene	A	ug/L	102.98833	102.98833		100	0	92.9687	1.17	10	150	103%	51	134	10%	
Dibenzofuran	A	ug/L	90.99854	90.99854		100	0	90.4568	1.74	10	150	91%	53	118	1%	
Diethyl phthalate	A	ug/L	95.20398	95.20398		100	0	91.81151	2.18	10	150	95%	56	125	4%	
Dimethyl phthalate	A	ug/L	99.55829	99.55829		100	0	95.84717	1.72	10	150	100%	45	127	4%	
Fluoranthene	A	ug/L	96.0829	96.0829		100	0	94.43958	0.883	10	150	96%	57	128	2%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044902	LCSD-163724	SVOC-8270-W-	LCSD-DOD	V5973N.I\sd0218.2	2/19/2022 4:38:1	1	163724	2/14/2022 1	0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluorene	A	ug/L	88.3509	88.3509		100	0	86.41982	1.82	10	150	88%	52	124	2%	
Hexachlorobenzene	A	ug/L	93.2563	93.2563		100	0	93.16778	1.33	10	150	93%	53	125	0%	
Hexachlorobutadiene	A	ug/L	72.53633	72.53633		100	0	70.63598	2.32	10	150	73%	22	124	3%	
Hexachlorocyclopentadiene	A	ug/L	79.91417	79.91417		100	0	77.87744	2.97	10	150	80%	39	91	3%	
Hexachloroethane	A	ug/L	55.97906	55.97906		100	0	64.6644	1.79	10	150	56%	21	115	14%	
Indeno(1,2,3-cd)pyrene	A	ug/L	93.44277	93.44277		100	0	91.11588	1.25	10	150	93%	52	134	3%	
Isophorone	A	ug/L	85.88167	85.88167		100	0	81.32764	1.67	10	150	86%	42	124	5%	
m+p-Cresols	A	ug/L	84.86188	84.86188		100	0	75.69367	1.78	10	150	85%	29	110	11%	
n-Nitroso-di-n-propylamine	A	ug/L	101.58481	101.58481		100	0	100.54493	1.54	10	150	102%	49	119	1%	
n-Nitrosodimethylamine	A	ug/L	53.85364	53.85364		100	0	49.56747	1.53	10	150	54%	20	45	8%	S
n-Nitrosodiphenylamine	A	ug/L	99.43658	99.43658		100	0	96.96534	1.16	10	150	99%	51	123	3%	
Naphthalene	A	ug/L	85.91853	85.91853		100	0	83.75664	1.74	10	150	86%	40	121	3%	
Nitrobenzene	A	ug/L	96.17749	96.17749		100	0	88.7235	2.31	10	150	96%	45	121	8%	
o-Cresol	A	ug/L	80.84336	80.84336		100	0	75.31348	1.83	10	150	81%	30	117	7%	
p-Chloroaniline	A	ug/L	73.55083	73.55083		100	0	63.86384	1.52	10	150	74%	33	117	14%	
Pentachlorophenol	A	ug/L	103.92015	103.92015		100	0	101.76752	4.24	10	150	104%	35	138	2%	
Phenanthrene	A	ug/L	93.79337	93.79337		100	0	96.66839	0.784	10	150	94%	59	120	3%	
Phenol	A	ug/L	49.97157	49.97157		100	0	48.00612	1.46	10	150	50%	37	75	4%	
Pyrene	A	ug/L	93.87499	93.87499		100	0	92.2453	0.921	10	150	94%	57	126	2%	
Pyridine	A	ug/L	38.57272	38.57272		100	0	34.78255	3.22	10	150	39%	16	45	10%	
Triallate	A	ug/L	92.2071	92.2071		100	0	93.99248	1.51	10	150	92%	59	105	2%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	182.52041	182.52041		200	0	0	2.88	10	0	91%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	85.77349	85.77349		100	0	0	0.724	10	0	86%	44	119	0%	
2-Fluorophenol	S	ug/L	78.30658	78.30658		200	0	0	3.52	10	0	39%	19	119	0%	
Nitrobenzene-d5	S	ug/L	81.81747	81.81747		100	0	0	2.34	10	0	82%	44	120	0%	
Phenol-d5	S	ug/L	85.1217	85.1217		200	0	0	2.06	10	0	43%	10	65	0%	
Terphenyl-d14	S	ug/L	102.09706	102.09706		100	0	0	1.17	10	0	102%	50	134	0%	
4-Chloroaniline	X	ug/L	73.55083	73.55083		100	0	63.86384	1.61	10	150	74%	33	117	14%	
o-Terphenyl	X	ug/L	95.13864	95.13864		100	0	92.941	1.27	10	150	95%	40	140	2%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044903	B22020415-001	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 5:10:3	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8278	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.89514	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.04906	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.94324	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.29918	4.81	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.3949	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.14526	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.53968	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.62578	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.62578	10	150	0%	0	0	0%	U
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.09812	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.92448	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0784	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.05868	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.38576	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.84704	4.81	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.3088	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.27032	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.02982	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.66474	10	150	0%	0	0	0%	U
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.24146	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.67388	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5392	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.40452	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.53968	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.95286	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.56806	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.405	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.81818	4.81	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.51034	4.81	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.59788	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.18326	4.81	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.04858	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.46464	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.823472	4.81	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044903	B22020415-001	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 5:10:3	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.19288	4.81	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.868686	4.81	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.97162	4.81	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.93314	4.81	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.45262	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	3.01106	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.30832	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.47234	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.43338	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.83742	10	150	0%	0	0	0%	U
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.51034	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.810004	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.12554	4.81	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.896584	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.28908	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.12554	4.81	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.67388	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.09716	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.65464	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.849446	4.81	150	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	1.75084	4.81	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.27946	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.23184	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.85714	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.72198	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.2025	4.81	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.60654	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.71236	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.48148	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.47186	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.11592	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.67388	4.81	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.22222	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.76046	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.46224	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044903	B22020415-001	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 5:10:3	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.07888	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.754208	4.81	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.40452	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.886002	4.81	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.09764	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.45262	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	167.45757	161.094182		192.4	0	0	2.77056	10	0	84%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	62.83137	60.4437779		96.2	0	0	0.696488	10	0	63%	44	119	0%	
2-Fluorophenol	S	ug/L	65.24039	62.7612552		192.4	0	0	3.38624	10	0	33%	19	119	0%	
Nitrobenzene-d5	S	ug/L	65.6428	63.1483736		96.2	0	0	2.25108	10	0	66%	44	120	0%	
Phenol-d5	S	ug/L	57.28929	55.112297		192.4	0	0	1.98172	10	0	29%	10	65	0%	
Terphenyl-d14	S	ug/L	103.29247	99.3673561		96.2	0	0	1.12554	10	0	103%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.54882	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.22174	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044904	B22020415-006	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 5:42:5	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.881	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.9503	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.1087	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.9998	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.3661	4.95	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.4355	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.2077	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.6136	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.6731	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.6731	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044904	B22020415-006	SVOC-8270-W-	SAMP	V5973N.I\sd0218.2	2/19/2022 5:42:5	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.2174	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0096	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.168	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.1186	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.4552	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.9008	4.95	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.376	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.3364	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.0889	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.7423	10	150	0%	0	0	0%	U
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.3067	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.7226	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.584	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.4454	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.6136	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	2.0097	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.6137	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.475	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.8711	4.95	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.5543	4.95	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.7026	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.2177	4.95	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.0791	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.6528	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.84744	4.95	150	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.2276	4.95	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.89397	4.95	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.9999	4.95	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.9603	4.95	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.4949	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	3.0987	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.3464	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.5443	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.4751	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	3.24245	3.2100255		0	0	0	1.8909	10	150	0%	0	0	0%	J

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044904	B22020415-006	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 5:42:5	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.5543	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.83358	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.1583	4.95	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.92268	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.3266	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.1583	4.95	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.7226	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.1582	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.7028	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.87417	4.95	150	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	1.8018	4.95	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.3167	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.2968	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.9403	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.7721	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.2375	4.95	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.6533	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.7622	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.5246	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.5147	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.1484	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.7226	4.95	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.2869	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.8117	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.5048	10	150	0%	0	0	0%	U
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.1976	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.77616	4.95	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.4454	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.91179	4.95	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.1878	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.4949	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	39.6		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	39.6		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	39.6		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	39.6		0	0	0	0	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044904	B22020415-006	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 5:42:5	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Perylene-d12	I	ug/L	40	39.6		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	39.6		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	141.91387	140.494731		198	0	0	2.8512	10	0	71%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	68.56011	67.8745089		99	0	0	0.71676	10	0	69%	44	119	0%	
2-Fluorophenol	S	ug/L	48.31277	47.8296423		198	0	0	3.4848	10	0	24%	19	119	0%	
Nitrobenzene-d5	S	ug/L	62.19132	61.5694068		99	0	0	2.3166	10	0	62%	44	120	0%	
Phenol-d5	S	ug/L	55.03102	54.4807098		198	0	0	2.0394	10	0	28%	10	65	0%	
Terphenyl-d14	S	ug/L	101.50985	100.494752		99	0	0	1.1583	10	0	102%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.5939	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.2573	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044905	B22020415-011	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 6:15:2	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8088	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.87544	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02776	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.92304	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.27528	4.76	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.3804	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.12296	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.05552	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.89408	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0464	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.03728	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.36096	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.82784	4.76	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.2848	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.24672	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.00872	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.63704	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044905	B22020415-011	SVOC-8270-W-	SAMP	V5973N.I\sd0218.2	2/19/2022 6:15:2	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.21816	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5232	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.93256	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.55176	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.38	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.79928	4.76	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.49464	4.76	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.56048	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.17096	4.76	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.03768	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.39744	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.814912	4.76	150	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.18048	4.76	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.859656	4.76	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.96152	4.76	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.92344	4.76	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	2.97976	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.29472	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.44664	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.41848	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.81832	10	150	0%	0	0	0%	U
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.49464	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.801584	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.887264	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.27568	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.07536	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.63744	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.840616	4.76	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044905	B22020415-011	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 6:15:2	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluorene	A	ug/L	0	0		0	0	0	1.73264	4.76	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.26616	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.20864	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.82744	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.70408	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.19	4.76	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.58984	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.69456	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.46608	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.45656	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.10432	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.65648	4.76	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.19912	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.74216	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.44704	10	150	0%	0	0	0%	U
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.03648	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.746368	4.76	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.876792	4.76	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.06544	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	147.86795	140.770288		190.4	0	0	2.74176	10	0	74%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	58.80613	55.9834358		95.2	0	0	0.689248	10	0	59%	44	119	0%	
2-Fluorophenol	S	ug/L	61.78691	58.8211383		190.4	0	0	3.35104	10	0	31%	19	119	0%	
Nitrobenzene-d5	S	ug/L	59.67239	56.8081153		95.2	0	0	2.22768	10	0	60%	44	120	0%	
Phenol-d5	S	ug/L	58.50247	55.6943514		190.4	0	0	1.96112	10	0	29%	10	65	0%	
Terphenyl-d14	S	ug/L	100.14632	95.3392966		95.2	0	0	1.11384	10	0	100%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.53272	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.20904	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044906	B22020415-016	SVOC-8270-W-	SAMP	V5973N.I\sd0218.2	2/19/2022 6:47:4	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8088	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.87544	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02776	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.92304	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.27528	4.76	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.3804	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.12296	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.05552	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.89408	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0464	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.03728	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.36096	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.82784	4.76	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.2848	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.24672	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.00872	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.63704	10	150	0%	0	0	0%	U
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.21816	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5232	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.93256	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.55176	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.38	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.79928	4.76	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.49464	4.76	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.56048	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.17096	4.76	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.03768	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.39744	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.814912	4.76	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044906	B22020415-016	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 6:47:4	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.18048	4.76	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.859656	4.76	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.96152	4.76	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.92344	4.76	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	2.97976	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.29472	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.44664	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.41848	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.81832	10	150	0%	0	0	0%	U
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.49464	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.801584	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.887264	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.27568	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.07536	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.63744	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.840616	4.76	150	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	1.73264	4.76	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.26616	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.20864	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.82744	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.70408	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.19	4.76	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.58984	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.69456	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.46608	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.45656	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.10432	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.65648	4.76	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.19912	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.74216	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.44704	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044906	B22020415-016	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 6:47:4	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.03648	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.746368	4.76	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.876792	4.76	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.06544	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	162.64939	154.842219		190.4	0	0	2.74176	10	0	81%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	62.00744	59.0310829		95.2	0	0	0.689248	10	0	62%	44	119	0%	
2-Fluorophenol	S	ug/L	51.4928	49.0211456		190.4	0	0	3.35104	10	0	26%	19	119	0%	
Nitrobenzene-d5	S	ug/L	55.61844	52.9487549		95.2	0	0	2.22768	10	0	56%	44	120	0%	
Phenol-d5	S	ug/L	51.94239	49.4491553		190.4	0	0	1.96112	10	0	26%	10	65	0%	
Terphenyl-d14	S	ug/L	103.53355	98.5639396		95.2	0	0	1.11384	10	0	104%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.53272	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.20904	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044907	B22020415-017	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 7:20:0	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8088	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.87544	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02776	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.92304	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.27528	4.76	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.3804	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.12296	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044907	B22020415-017	SVOC-8270-W-	SAMP	V5973N.I\sd0218.2	2/19/2022 7:20:0	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.05552	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.89408	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0464	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.03728	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.36096	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.82784	4.76	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.2848	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.24672	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.00872	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.63704	10	150	0%	0	0	0%	U
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.21816	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5232	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.93256	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.55176	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.38	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.79928	4.76	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.49464	4.76	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.56048	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.17096	4.76	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.03768	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.39744	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.814912	4.76	150	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.18048	4.76	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.859656	4.76	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.96152	4.76	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.92344	4.76	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	2.97976	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.29472	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.44664	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.41848	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.81832	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044907	B22020415-017	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 7:20:0	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.49464	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.801584	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.887264	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.27568	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.07536	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.63744	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.840616	4.76	150	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	1.73264	4.76	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.26616	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.20864	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.82744	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.70408	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.19	4.76	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.58984	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.69456	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.46608	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.45656	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.10432	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.65648	4.76	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.19912	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.74216	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.44704	10	150	0%	0	0	0%	U
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.03648	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.746368	4.76	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.876792	4.76	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.06544	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044907	B22020415-017	SVOC-8270-W-	SAMP	V5973N.I\sd0218.2	2/19/2022 7:20:0	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Perylene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	156.33866	148.834404		190.4	0	0	2.74176	10	0	78%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	64.20007	61.1184666		95.2	0	0	0.689248	10	0	64%	44	119	0%	
2-Fluorophenol	S	ug/L	57.71431	54.9440231		190.4	0	0	3.35104	10	0	29%	19	119	0%	
Nitrobenzene-d5	S	ug/L	79.26756	75.4627171		95.2	0	0	2.22768	10	0	79%	44	120	0%	
Phenol-d5	S	ug/L	68.81465	65.5115468		190.4	0	0	1.96112	10	0	34%	10	65	0%	
Terphenyl-d14	S	ug/L	94.30493	89.7782934		95.2	0	0	1.11384	10	0	94%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.53272	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.20904	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044908	B22020415-017	SVOC-8270-W-	MS-DOD	V5973N.I\sd0218.2	2/19/2022 7:52:2	1	163621	2/9/2022 8:2	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	66.73279	63.5296161		95.2	0	0	1.8088	10	150	67%	29	116	0%	
1,2-Dichlorobenzene	A	ug/L	57.54799	54.7856865		95.2	0	0	1.87544	10	150	58%	32	111	0%	
1,3-Dichlorobenzene	A	ug/L	54.39146	51.7806699		95.2	0	0	2.02776	10	150	54%	28	110	0%	
1,4-Dichlorobenzene	A	ug/L	55.7256	53.0507712		95.2	0	0	1.92304	10	150	56%	29	112	0%	
1-Methylnaphthalene	A	ug/L	72.22535	68.7585332		95.2	0	0	2.27528	10	150	72%	41	119	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	61.9803	59.0052456		95.2	0	0	1.3804	10	150	62%	37	130	0%	
2,4,5-Trichlorophenol	A	ug/L	82.4166	78.4606032		95.2	0	0	2.12296	10	150	82%	53	123	0%	
2,4,6-Trichlorophenol	A	ug/L	87.98809	83.7646617		95.2	0	0	2.51328	10	150	88%	50	125	0%	
2,4-Dichlorophenol	A	ug/L	73.34106	69.8206891		95.2	0	0	1.60888	10	150	73%	47	121	0%	
2,4-Dimethylphenol	A	ug/L	70.11504	66.7495181		95.2	0	0	1.60888	10	150	70%	31	124	0%	
2,4-Dinitrophenol	A	ug/L	94.28819	89.7623569		95.2	0	0	4.05552	10	150	94%	23	142	0%	
2,4-Dinitrotoluene	A	ug/L	97.45983	92.7817582		95.2	0	0	2.89408	10	150	97%	57	128	0%	
2,6-Dinitrotoluene	A	ug/L	84.00034	79.9683237		95.2	0	0	3.0464	10	150	84%	50	118	0%	
2-Chloronaphthalene	A	ug/L	83.38327	79.3808730		95.2	0	0	2.03728	10	150	83%	40	116	0%	
2-Chlorophenol	A	ug/L	60.02141	57.1403823		95.2	0	0	2.36096	10	150	60%	38	117	0%	
2-Methylnaphthalene	A	ug/L	79.39881	75.5876671		95.2	0	0	1.82784	10	150	79%	40	121	0%	
2-Nitroaniline	A	ug/L	88.52815	84.2787988		95.2	0	0	2.2848	10	150	89%	55	127	0%	
2-Nitrophenol	A	ug/L	81.2303	77.3312456		95.2	0	0	2.24672	10	150	81%	47	123	0%	
3,3´-Dichlorobenzidine	A	ug/L	76.42225	72.753982		95.2	0	0	2.00872	10	150	76%	27	129	0%	
3-Nitroaniline	A	ug/L	72.96376	69.4614995		95.2	0	0	2.63704	10	150	73%	41	128	0%	

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15044908	B22020415-017	SVOC-8270-W-	MS-DOD	V5973N.I\sd0218.2	2/19/2022 7:52:2	1	163621	2/9/2022 8:2	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4,6-Dinitro-2-methylphenol	A	ug/L	91.15968	86.7840154		95.2	0	0	2.21816	10	150	91%	44	137	0%	
4-Bromophenyl phenyl ether	A	ug/L	90.62945	86.2792364		95.2	0	0	1.65648	10	150	91%	55	124	0%	
4-Chloro-2-methylphenol	A	ug/L	70.89578	67.4927826		95.2	0	0	1.5232	10	150	71%	49	89	0%	
4-Chloro-3-methylphenol	A	ug/L	83.71401	79.6957375		95.2	0	0	1.38992	10	150	84%	52	119	0%	
4-Chlorophenol	A	ug/L	63.08991	60.0615943		95.2	0	0	2.51328	10	150	63%	41	81	0%	
4-Chlorophenyl phenyl ether	A	ug/L	97.98597	93.2826434		95.2	0	0	1.93256	10	150	98%	53	121	0%	
4-Nitroaniline	A	ug/L	89.37116	85.0813443		95.2	0	0	1.55176	10	150	89%	57	101	0%	
4-Nitrophenol	A	ug/L	41.67207	39.6718106		95.2	0	0	2.38	10	150	42%	15	36	0%	S
Acenaphthene	A	ug/L	84.47323	80.418515		95.2	0	0	1.79928	10	150	84%	47	122	0%	
Acenaphthylene	A	ug/L	78.31025	74.551358		95.2	0	0	1.49464	10	150	78%	41	130	0%	
Aniline	A	ug/L	31.75114	30.2270853		95.2	0	0	3.56048	10	150	32%	24	60	0%	
Anthracene	A	ug/L	92.40334	87.9679797		95.2	0	0	1.17096	10	150	92%	57	123	0%	
Azobenzene	A	ug/L	78.90615	75.1186548		95.2	0	0	1.03768	10	150	79%	61	116	0%	
Benzidine	A	ug/L	14.85436	14.1413507		95.2	0	0	6.39744	10	150	15%	10	100	0%	
Benzo(a)anthracene	A	ug/L	102.56728	97.6440506		95.2	0	0	0.814912	10	150	103%	58	125	0%	
Benzo(a)pyrene	A	ug/L	87.44353	83.2462406		95.2	0	0	1.18048	10	150	87%	54	128	0%	
Benzo(b)fluoranthene	A	ug/L	94.70825	90.162254		95.2	0	0	0.859656	10	150	95%	53	131	0%	
Benzo(g,h,i)perylene	A	ug/L	91.29702	86.9147630		95.2	0	0	0.96152	10	150	91%	50	134	0%	
Benzo(k)fluoranthene	A	ug/L	85.33134	81.2354357		95.2	0	0	0.92344	10	150	85%	57	129	0%	
Benzoic acid	A	ug/L	31.71233	30.1901382		95.2	0	0	1.43752	10	150	32%	10	30	0%	S
Benzyl alcohol	A	ug/L	59.98994	57.1104229		95.2	0	0	2.97976	10	150	60%	31	112	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	73.99263	70.4409838		95.2	0	0	1.29472	10	150	74%	48	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	67.51524	64.2745085		95.2	0	0	2.44664	10	150	68%	43	118	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	61.9803	59.0052456		95.2	0	0	1.41848	10	150	62%	37	130	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	108.03148	102.845969		95.2	0	0	1.81832	10	150	108%	55	135	0%	
Butylbenzylphthalate	A	ug/L	104.38014	99.3698933		95.2	0	0	1.49464	10	150	104%	53	134	0%	
Carbazole	A	ug/L	91.52704	87.1337421		95.2	0	0	0.801584	10	150	92%	60	122	0%	
Chrysene	A	ug/L	96.58108	91.9451882		95.2	0	0	1.11384	10	150	97%	59	123	0%	
Di-n-butyl phthalate	A	ug/L	101.64881	96.7696671		95.2	0	0	0.887264	10	150	102%	59	127	0%	
Di-n-octyl phthalate	A	ug/L	100.64036	95.8096227		95.2	0	0	1.27568	10	150	101%	51	140	0%	
Dibenzo(a,h)anthracene	A	ug/L	98.31889	93.5995833		95.2	0	0	1.11384	10	150	98%	51	134	0%	
Dibenzofuran	A	ug/L	85.18944	81.1003469		95.2	0	0	1.65648	10	150	85%	53	118	0%	
Diethyl phthalate	A	ug/L	97.99524	93.2914685		95.2	0	0	2.07536	10	150	98%	56	125	0%	
Dimethyl phthalate	A	ug/L	102.3679	97.4542408		95.2	0	0	1.63744	10	150	102%	45	127	0%	
Fluoranthene	A	ug/L	93.9736	89.4628672		95.2	0	0	0.840616	10	150	94%	57	128	0%	

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15044908	B22020415-017	SVOC-8270-W-	MS-DOD	V5973N.I\sd0218.2	2/19/2022 7:52:2	1	163621	2/9/2022 8:2	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluorene	A	ug/L	83.08928	79.1009946		95.2	0	0	1.73264	10	150	83%	52	124	0%	
Hexachlorobenzene	A	ug/L	86.63722	82.4786334		95.2	0	0	1.26616	10	150	87%	53	125	0%	
Hexachlorobutadiene	A	ug/L	62.68873	59.679671		95.2	0	0	2.20864	10	150	63%	22	124	0%	
Hexachlorocyclopentadiene	A	ug/L	62.33802	59.3457950		95.2	0	0	2.82744	10	150	62%	39	91	0%	
Hexachloroethane	A	ug/L	54.15099	51.5517425		95.2	0	0	1.70408	10	150	54%	21	115	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	88.5361	84.2863672		95.2	0	0	1.19	10	150	89%	52	134	0%	
Isophorone	A	ug/L	77.34314	73.6306693		95.2	0	0	1.58984	10	150	77%	42	124	0%	
m+p-Cresols	A	ug/L	63.72388	60.6651338		95.2	0	0	1.69456	10	150	64%	29	110	0%	
n-Nitroso-di-n-propylamine	A	ug/L	87.46322	83.2649854		95.2	0	0	1.46608	10	150	87%	49	119	0%	
n-Nitrosodimethylamine	A	ug/L	41.30002	39.3176190		95.2	0	0	1.45656	10	150	41%	20	45	0%	
n-Nitrosodiphenylamine	A	ug/L	93.7845	89.282844		95.2	0	0	1.10432	10	150	94%	51	123	0%	
Naphthalene	A	ug/L	76.04489	72.3947353		95.2	0	0	1.65648	10	150	76%	40	121	0%	
Nitrobenzene	A	ug/L	68.60002	65.3072190		95.2	0	0	2.19912	10	150	69%	45	121	0%	
o-Cresol	A	ug/L	67.1669	63.9428888		95.2	0	0	1.74216	10	150	67%	30	117	0%	
p-Chloroaniline	A	ug/L	56.18978	53.4926706		95.2	0	0	1.44704	10	150	56%	33	117	0%	
Pentachlorophenol	A	ug/L	102.17122	97.2670014		95.2	0	0	4.03648	10	150	102%	35	138	0%	
Phenanthrene	A	ug/L	89.77303	85.4639246		95.2	0	0	0.746368	10	150	90%	59	120	0%	
Phenol	A	ug/L	39.73291	37.8257303		95.2	0	0	1.38992	10	150	40%	37	75	0%	
Pyrene	A	ug/L	91.95854	87.5445301		95.2	0	0	0.876792	10	150	92%	57	126	0%	
Pyridine	A	ug/L	19.91321	18.9573759		95.2	0	0	3.06544	10	150	20%	16	45	0%	
Triallate	A	ug/L	92.97912	88.5161222		95.2	0	0	1.43752	10	150	93%	59	105	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	180.44747	171.785991		190.4	0	0	2.74176	10	0	90%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	74.61298	71.031557		95.2	0	0	0.689248	10	0	75%	44	119	0%	
2-Fluorophenol	S	ug/L	65.2707	62.1377064		190.4	0	0	3.35104	10	0	33%	19	119	0%	
Nitrobenzene-d5	S	ug/L	67.00982	63.7933486		95.2	0	0	2.22768	10	0	67%	44	120	0%	
Phenol-d5	S	ug/L	75.41346	71.7936139		190.4	0	0	1.96112	10	0	38%	10	65	0%	
Terphenyl-d14	S	ug/L	98.98546	94.2341579		95.2	0	0	1.11384	10	0	99%	50	134	0%	
4-Chloroaniline	X	ug/L	56.18978	53.4926706		95.2	0	0	1.53272	10	150	56%	33	117	0%	
o-Terphenyl	X	ug/L	91.19579	86.8183921		95.2	0	0	1.20904	10	150	91%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044909	B22020415-022	SVOC-8270-W-	SAMP	V5973N.I\sd0218.2	2/19/2022 8:24:4	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.919	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.9897	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.1513	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.0402	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.4139	5.05	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.4645	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.2523	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.6664	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.7069	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.7069	10	150	0%	0	0	0%	U
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.3026	10.1	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0704	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.232	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.1614	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.5048	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.9392	5.05	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.424	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.3836	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.1311	10.1	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.7977	10	150	0%	0	0	0%	U
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.3533	10.1	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.7574	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.616	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.4746	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.6664	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	2.0503	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.6463	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.525	10.1	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.9089	5.05	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.5857	5.05	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.7774	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.2423	5.05	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.1009	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.7872	10.1	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.86456	5.05	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044909	B22020415-022	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 8:24:4	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.2524	5.05	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.91203	5.05	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	1.0201	5.05	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.9797	5.05	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.5251	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	3.1613	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.3736	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.5957	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.5049	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	3.53032	3.5656232		0	0	0	1.9291	10	150	0%	0	0	0%	J
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.5857	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.85042	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.1817	5.05	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.94132	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.3534	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.1817	5.05	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.7574	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.2018	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.7372	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.89183	5.05	150	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	1.8382	5.05	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.3433	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.3432	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.9997	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.8079	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.2625	5.05	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.6867	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.7978	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.5554	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.5453	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.1716	10.1	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.7574	5.05	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.3331	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.8483	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.5352	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044909	B22020415-022	SVOC-8270-W-	SAMP	V5973N.I\sd0218	2/19/2022 8:24:4	1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.2824	10.1	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.79184	5.05	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.4746	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.93021	5.05	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.2522	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.5251	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	40.4		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40.4		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40.4		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40.4		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	40.4		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40.4		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	172.63169	174.358007		202	0	0	2.9088	10	0	86%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	77.05313	77.8236613		101	0	0	0.73124	10	0	77%	44	119	0%	
2-Fluorophenol	S	ug/L	65.97297	66.6326997		202	0	0	3.5552	10	0	33%	19	119	0%	
Nitrobenzene-d5	S	ug/L	70.11979	70.8209879		101	0	0	2.3634	10	0	70%	44	120	0%	
Phenol-d5	S	ug/L	60.87293	61.4816593		202	0	0	2.0806	10	0	30%	10	65	0%	
Terphenyl-d14	S	ug/L	110.87791	111.986689		101	0	0	1.1817	10	0	111%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.6261	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.2827	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044910	18-Feb-22_CCV	SVOC-8270-W-	CCV	V5973N.I\sd0218	2/19/2022 8:57:0	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	77.7109	77.7109		75	0	0	1.9	10	150	104%	50	150	0%	
1,2-Dichlorobenzene	A	ug/L	78.7329	78.7329		75	0	0	1.97	10	150	105%	50	150	0%	
1,3-Dichlorobenzene	A	ug/L	82.84687	82.84687		75	0	0	2.13	10	150	110%	50	150	0%	
1,4-Dichlorobenzene	A	ug/L	85.43573	85.43573		75	0	0	2.02	10	150	114%	50	150	0%	
1-Methylnaphthalene	A	ug/L	78.50368	78.50368		75	0	0	2.39	10	150	105%	50	150	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	81.57761	81.57761		75	0	0	1.45	10	150	109%	50	150	0%	
2,4,5-Trichlorophenol	A	ug/L	81.73511	81.73511		75	0	0	2.23	10	150	109%	50	150	0%	
2,4,6-Trichlorophenol	A	ug/L	83.89833	83.89833		75	0	0	2.64	10	150	112%	50	150	0%	
2,4-Dichlorophenol	A	ug/L	79.90445	79.90445		75	0	0	1.69	10	150	107%	50	150	0%	
2,4-Dimethylphenol	A	ug/L	77.50484	77.50484		75	0	0	1.69	10	150	103%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044910	18-Feb-22_CCV	SVOC-8270-W-	CCV	V5973N.I\sd0218.2	2/19/2022 8:57:0	1	R374941		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	84.50405	84.50405		75	0	0	4.26	10	150	113%	50	150	0%	
2,4-Dinitrotoluene	A	ug/L	79.63333	79.63333		75	0	0	3.04	10	150	106%	50	150	0%	
2,6-Dinitrotoluene	A	ug/L	75.03606	75.03606		75	0	0	3.2	10	150	100%	50	150	0%	
2-Chloronaphthalene	A	ug/L	78.73463	78.73463		75	0	0	2.14	10	150	105%	50	150	0%	
2-Chlorophenol	A	ug/L	82.72227	82.72227		75	0	0	2.48	10	150	110%	50	150	0%	
2-Methylnaphthalene	A	ug/L	81.49278	81.49278		75	0	0	1.92	10	150	109%	50	150	0%	
2-Nitroaniline	A	ug/L	87.3957	87.3957		75	0	0	2.4	10	150	117%	50	150	0%	
2-Nitrophenol	A	ug/L	85.94486	85.94486		75	0	0	2.36	10	150	115%	50	150	0%	
3,3´-Dichlorobenzidine	A	ug/L	79.09398	79.09398		75	0	0	2.11	10	150	105%	50	150	0%	
3-Nitroaniline	A	ug/L	83.54361	83.54361		75	0	0	2.77	10	150	111%	50	150	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	84.96108	84.96108		75	0	0	2.33	10	150	113%	50	150	0%	
4-Bromophenyl phenyl ether	A	ug/L	83.9737	83.9737		75	0	0	1.74	10	150	112%	50	150	0%	
4-Chloro-2-methylphenol	A	ug/L	76.97643	76.97643		75	0	0	1.6	10	150	103%	50	150	0%	
4-Chloro-3-methylphenol	A	ug/L	82.6279	82.6279		75	0	0	1.46	10	150	110%	50	150	0%	
4-Chlorophenol	A	ug/L	84.76678	84.76678		75	0	0	2.64	10	150	113%	50	150	0%	
4-Chlorophenyl phenyl ether	A	ug/L	82.09441	82.09441		75	0	0	2.03	10	150	109%	50	150	0%	
4-Nitroaniline	A	ug/L	87.04462	87.04462		75	0	0	1.63	10	150	116%	50	150	0%	
4-Nitrophenol	A	ug/L	80.20488	80.20488		75	0	0	2.5	10	150	107%	50	150	0%	
Acenaphthene	A	ug/L	73.66419	73.66419		75	0	0	1.89	10	150	98%	50	150	0%	
Acenaphthylene	A	ug/L	78.13894	78.13894		75	0	0	1.57	10	150	104%	50	150	0%	
Aniline	A	ug/L	76.76242	76.76242		75	0	0	3.74	10	150	102%	50	150	0%	
Anthracene	A	ug/L	81.73332	81.73332		75	0	0	1.23	10	150	109%	50	150	0%	
Azobenzene	A	ug/L	77.64587	77.64587		75	0	0	1.09	10	150	104%	50	150	0%	
Benzidine	A	ug/L	74.64772	74.64772		75	0	0	6.72	10	150	100%	50	150	0%	
Benzo(a)anthracene	A	ug/L	80.31359	80.31359		75	0	0	0.856	10	150	107%	50	150	0%	
Benzo(a)pyrene	A	ug/L	74.19621	74.19621		75	0	0	1.24	10	150	99%	50	150	0%	
Benzo(b)fluoranthene	A	ug/L	71.02886	71.02886		75	0	0	0.903	10	150	95%	50	150	0%	
Benzo(g,h,i)perylene	A	ug/L	75.18995	75.18995		75	0	0	1.01	10	150	100%	50	150	0%	
Benzo(k)fluoranthene	A	ug/L	74.54922	74.54922		75	0	0	0.97	10	150	99%	50	150	0%	
Benzoic acid	A	ug/L	91.32237	91.32237		75	0	0	1.51	10	150	122%	50	150	0%	
Benzyl alcohol	A	ug/L	81.49944	81.49944		75	0	0	3.13	10	150	109%	50	150	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	78.93474	78.93474		75	0	0	1.36	10	150	105%	50	150	0%	
bis(-2-chloroethyl)Ether	A	ug/L	80.55837	80.55837		75	0	0	2.57	10	150	107%	50	150	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	81.57761	81.57761		75	0	0	1.49	10	150	109%	50	150	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	85.96491	85.96491		75	0	0	1.91	10	150	115%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist				
15044910	18-Feb-22_CCV	SVOC-8270-W-	CCV	V5973N.I\sd0218.2	2/19/2022 8:57:0	1	R374941		0	0					

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Butylbenzylphthalate	A	ug/L	84.61002	84.61002		75	0	0	1.57	10	150	113%	50	150	0%	
Carbazole	A	ug/L	75.7167	75.7167		75	0	0	0.842	10	150	101%	50	150	0%	
Chrysene	A	ug/L	76.13883	76.13883		75	0	0	1.17	10	150	102%	50	150	0%	
Di-n-butyl phthalate	A	ug/L	86.61454	86.61454		75	0	0	0.932	10	150	115%	50	150	0%	
Di-n-octyl phthalate	A	ug/L	82.42841	82.42841		75	0	0	1.34	10	150	110%	50	150	0%	
Dibenzo(a,h)anthracene	A	ug/L	71.88958	71.88958		75	0	0	1.17	10	150	96%	50	150	0%	
Dibenzofuran	A	ug/L	77.97262	77.97262		75	0	0	1.74	10	150	104%	50	150	0%	
Diethyl phthalate	A	ug/L	78.64896	78.64896		75	0	0	2.18	10	150	105%	50	150	0%	
Dimethyl phthalate	A	ug/L	82.08142	82.08142		75	0	0	1.72	10	150	109%	50	150	0%	
Fluoranthene	A	ug/L	79.87601	79.87601		75	0	0	0.883	10	150	107%	50	150	0%	
Fluorene	A	ug/L	74.61538	74.61538		75	0	0	1.82	10	150	99%	50	150	0%	
Hexachlorobenzene	A	ug/L	86.07503	86.07503		75	0	0	1.33	10	150	115%	50	150	0%	
Hexachlorobutadiene	A	ug/L	82.5099	82.5099		75	0	0	2.32	10	150	110%	50	150	0%	
Hexachlorocyclopentadiene	A	ug/L	78.36575	78.36575		75	0	0	2.97	10	150	104%	50	150	0%	
Hexachloroethane	A	ug/L	78.50362	78.50362		75	0	0	1.79	10	150	105%	50	150	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	74.49283	74.49283		75	0	0	1.25	10	150	99%	50	150	0%	
Isophorone	A	ug/L	83.12555	83.12555		75	0	0	1.67	10	150	111%	50	150	0%	
m+p-Cresols	A	ug/L	87.71055	87.71055		75	0	0	1.78	10	150	117%	50	150	0%	
n-Nitroso-di-n-propylamine	A	ug/L	89.28287	89.28287		75	0	0	1.54	10	150	119%	50	150	0%	
n-Nitrosodimethylamine	A	ug/L	77.201	77.201		75	0	0	1.53	10	150	103%	50	150	0%	
n-Nitrosodiphenylamine	A	ug/L	82.18803	82.18803		75	0	0	1.16	10	150	110%	50	150	0%	
Naphthalene	A	ug/L	82.95332	82.95332		75	0	0	1.74	10	150	111%	50	150	0%	
Nitrobenzene	A	ug/L	90.70169	90.70169		75	0	0	2.31	10	150	121%	50	150	0%	
o-Cresol	A	ug/L	79.45916	79.45916		75	0	0	1.83	10	150	106%	50	150	0%	
o-Terphenyl	A	ug/L	79.41475	79.41475		75	0	0	1.27	10	150	106%	50	150	0%	
p-Chloroaniline	A	ug/L	78.39883	78.39883		75	0	0	1.52	10	150	105%	50	150	0%	
Pentachlorophenol	A	ug/L	85.71982	85.71982		75	0	0	4.24	10	150	114%	50	150	0%	
Phenanthrene	A	ug/L	80.06065	80.06065		75	0	0	0.784	10	150	107%	50	150	0%	
Phenol	A	ug/L	77.69486	77.69486		75	0	0	1.46	10	150	104%	50	150	0%	
Pyrene	A	ug/L	79.30382	79.30382		75	0	0	0.921	10	150	106%	50	150	0%	
Pyridine	A	ug/L	73.68962	73.68962		75	0	0	3.22	10	150	98%	50	150	0%	
Triallate	A	ug/L	80.79345	80.79345		75	0	0	1.51	10	150	108%	50	150	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%	50	150	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	50	150	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044910	18-Feb-22_CCV	SVOC-8270-W-	CCV	V5973N.I\sd0218.2	2/19/2022 8:57:0	1	R374941		0	0	

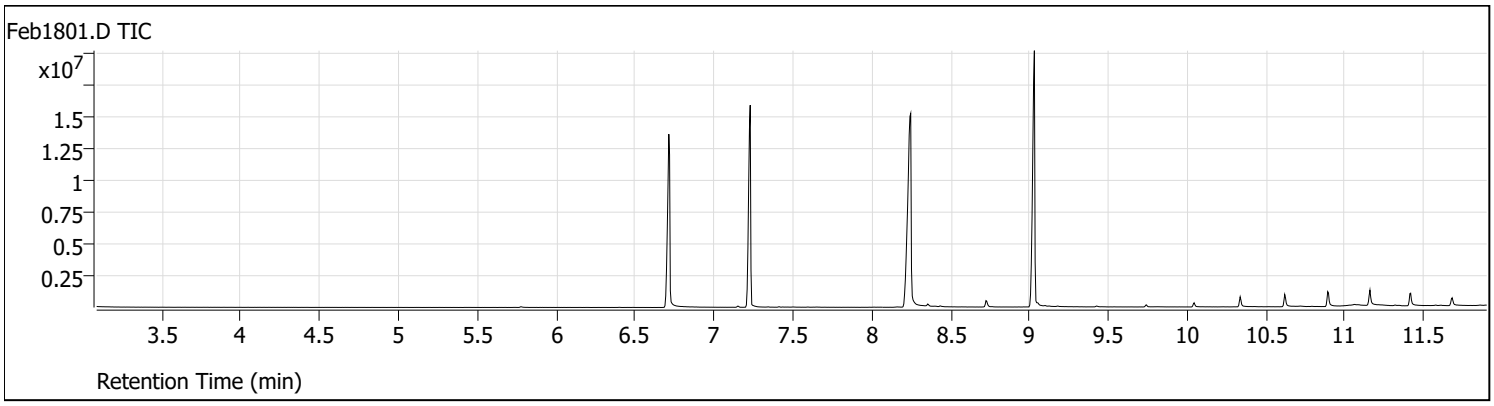
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%	50	150	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	50	150	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	50	150	0%	
2,4,6-Tribromophenol	S	ug/L	83.78307	83.78307		75	0	0	2.88	10	0	112%	50	150	0%	
2-Fluorobiphenyl	S	ug/L	81.84522	81.84522		75	0	0	0.724	10	0	109%	50	150	0%	
2-Fluorophenol	S	ug/L	79.32948	79.32948		75	0	0	3.52	10	0	106%	50	150	0%	
Nitrobenzene-d5	S	ug/L	79.95153	79.95153		75	0	0	2.34	10	0	107%	50	150	0%	
Phenol-d5	S	ug/L	79.61741	79.61741		75	0	0	2.06	10	0	106%	50	150	0%	
Terphenyl-d14	S	ug/L	79.04202	79.04202		75	0	0	1.17	10	0	105%	50	150	0%	
4-Chloroaniline	X	ug/L	78.39883	78.39883		75	0	0	1.61	10	150	105%	50	150	0%	

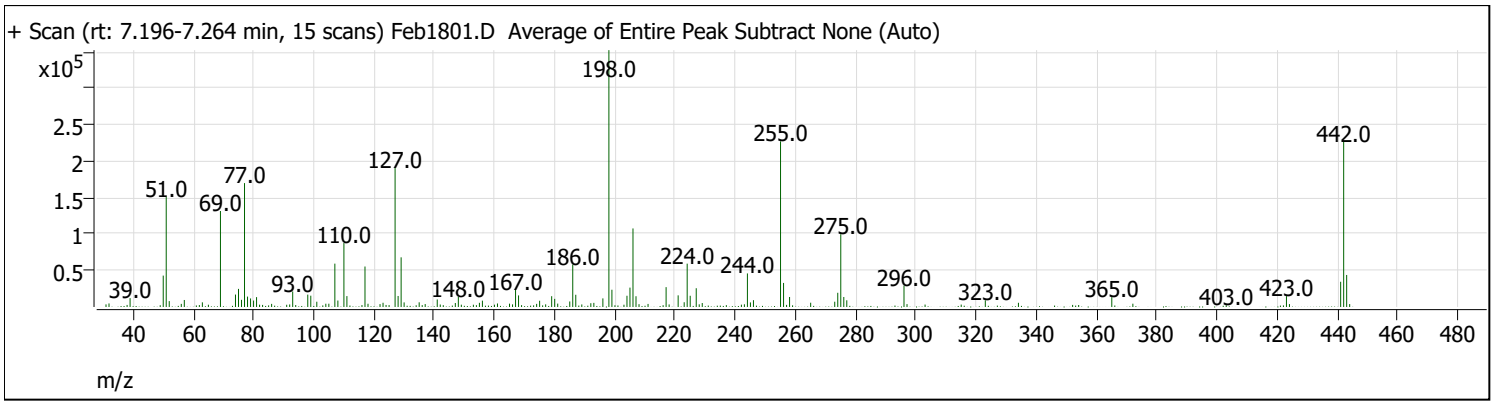
Write Sequence | Insert Entries(Have the first cell for entries selected)

File Name	Sample Name	Line No.	Test Code	Multiplier	Divisor	Method Name
Feb1801.d	18-Feb-22_TUNE_1	1		1	1	5973NTUN.M
Feb1802.d	18-Feb-22_CAL_7	2	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1803.d	18-Feb-22_CAL_6	3	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1804.d	18-Feb-22_CAL_5	4	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1805.d	18-Feb-22_CAL_4	5	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1806.d	18-Feb-22_CAL_3	6	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1807.d	18-Feb-22_CAL_2	7	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1808.d	18-Feb-22_CAL_1	8	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1809.d	18-Feb-22_CCV_9	9	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1810.d	18-Feb-22_CCV_10	10	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1811.d	18-Feb-22_ISTBLK_11	11	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1812.d	MB-163621	12	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1813.d	LCS-163621	13	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1814.d	LCSD-163621	14	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1815.d	MB-163724	15	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1816.d	LCS-163724	16	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1817.d	LCSD-163724	17	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1818.d	B22020415-001C	18	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1819.d	B22020415-006C	19	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1820.d	B22020415-011C	20	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1821.d	B22020415-016A	21	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1822.d	B22020415-017C	22	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1823.d	B22020415-017CMS	23	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1824.d	B22020415-022C	24	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1825.d	18-Feb-22_CCV_25	25	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1826.d	18-Feb-22_TUNE_26	26		1	1	5973NTUN.M
Feb1827.d	18-Feb-22_CCV_27	27	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1828.d	18-Feb-22_ISTBLK_28	28	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1829.d	B22020415-027C	29	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1830.d	B22020415-032C	30	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1831.d	B22020415-032CMS	31	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1832.d	B22020962-001C	32	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1833.d	B22020962-006C	33	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1834.d	B22020962-006CMS	34	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1835.d	B22020962-011C	35	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1836.d	B22020962-016C	36	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1837.d	B22020962-021C	37	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1838.d	B22020962-026C	38	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1839.d	B22020962-031C	39	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1840.d	B22020962-032A	40	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1841.d	B22020962-032AMS	41	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1842.d	18-Feb-22_CCV_42	42	SVOC-8270-W-LARGO	1	1	BNA+SIM.M
Feb1843.d	B22020531-001M	43	SVOC-8270-W	1	1	BNA+SIM.M
Feb1844.d	B22020534-001M	44	SVOC-8270-W	1	1	BNA+SIM.M
Feb1845.d	B22020920-001C	45	SVOC-8270-W	1	1	BNA+SIM.M
Feb1846.d	B22020920-002C	46	SVOC-8270-W	1	1	BNA+SIM.M
Feb1847.d	B22020920-003C	47	SVOC-8270-W	1	1	BNA+SIM.M

Tune Evaluation Report

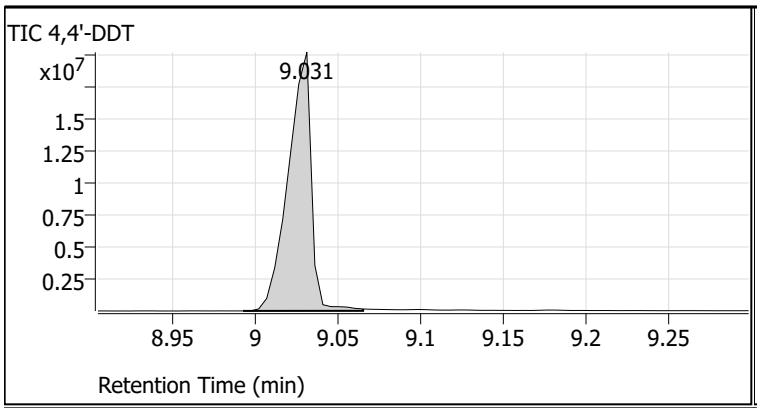
Data Path:	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1801.D
Acq on:	2/19/2022 7:59:44 AM
Operator:	LIMS import
Sample:	18-Feb-22_TUNE_1
Inst Name:	Instrument #1
ALS Vial:	1
Method:	\\MASSHUNTER\Org\Data\SV5973N.I\DFTPP5973N625.m

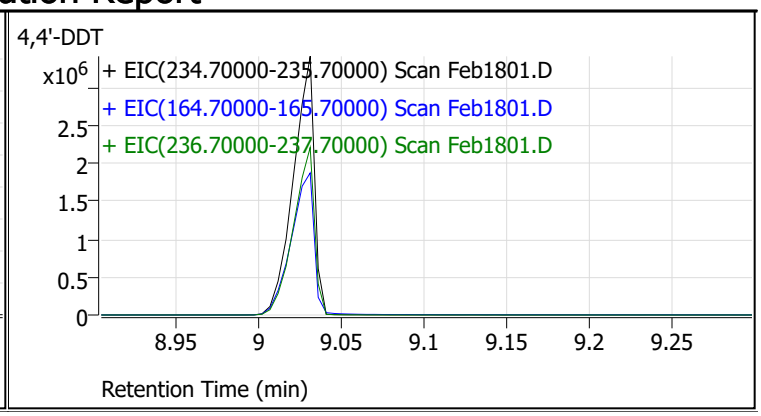


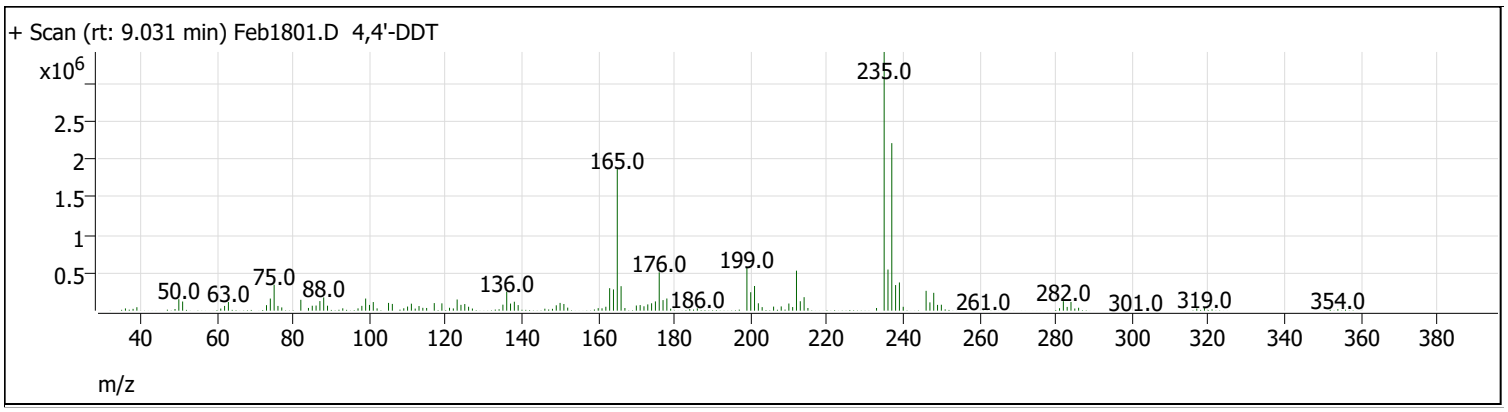


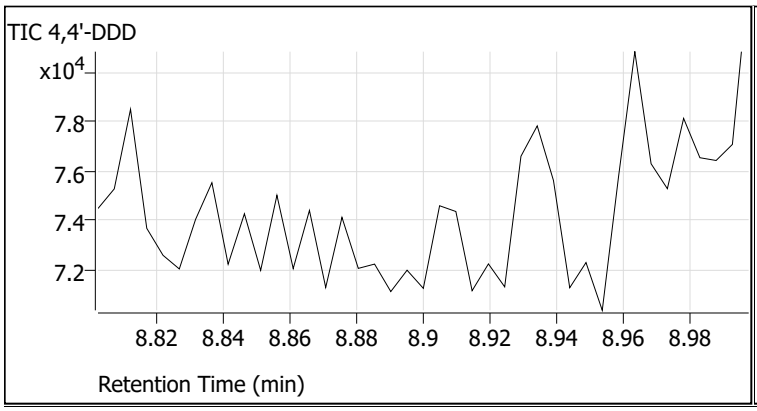
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
51	198	30	60	42.8	150882	Pass
68	69	0	2	0.7	874	Pass
70	69	0	2	0.7	984	Pass
127	198	40	60	54.1	190721	Pass
197	198	0	1	0.1	289	Pass
198	198	100	100	100.0	352365	Pass
199	198	5	9	6.7	23676	Pass
275	198	10	30	28.3	99827	Pass
365	198	1	100	3.8	13473	Pass
441	443	1E-10	150	78.7	34578	Pass
442	198	40	100	64.4	226789	Pass
443	442	17	23	19.4	43938	Pass
69	69	100	100	100.0	131707	Pass

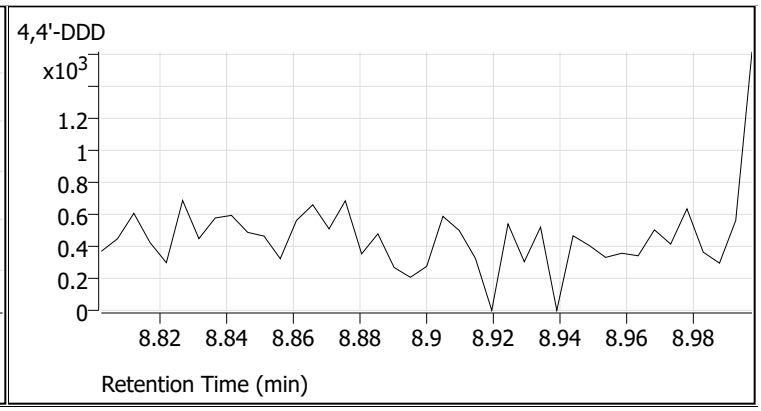
Tune Evaluation Report

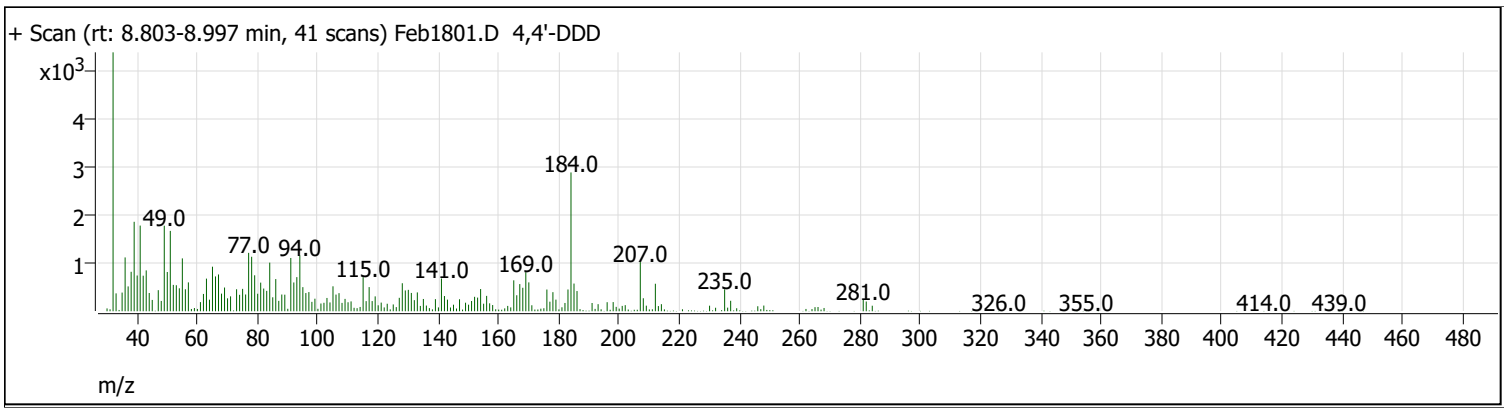


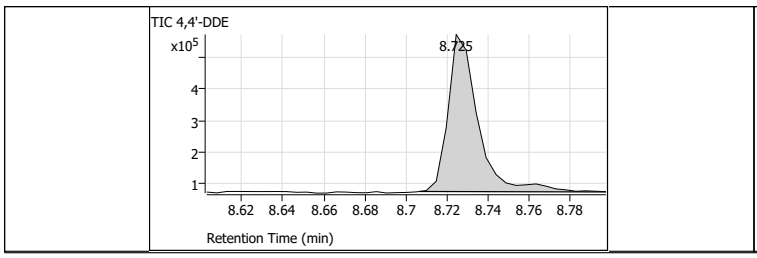


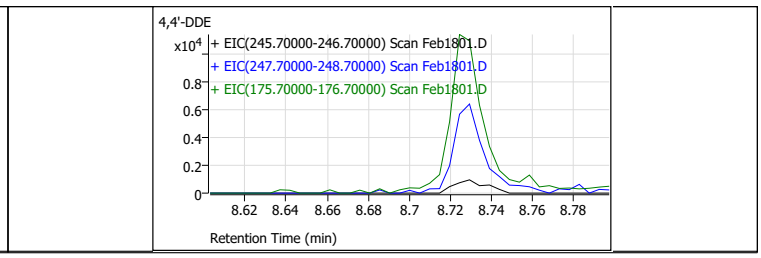




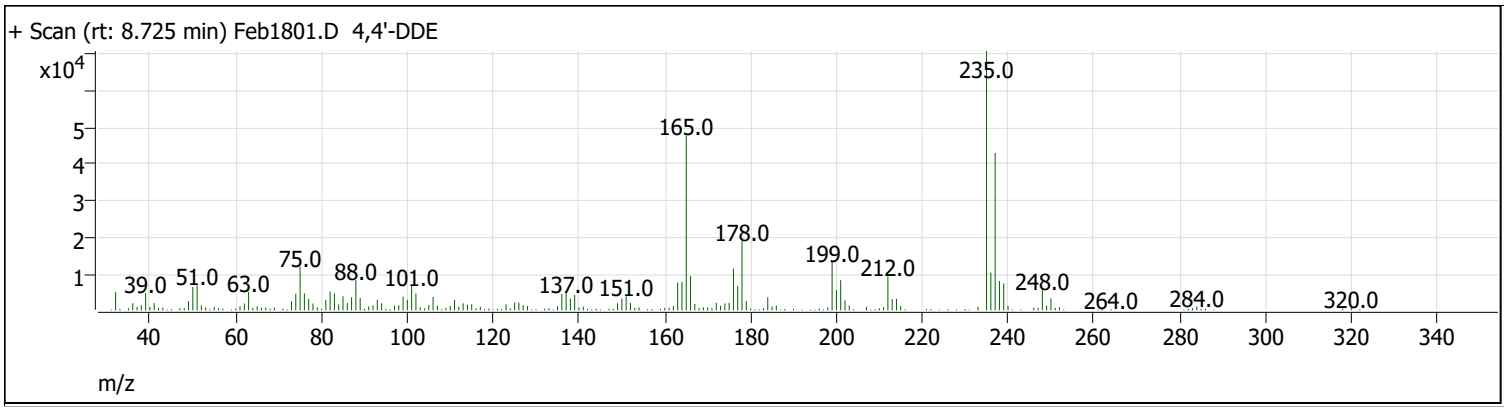






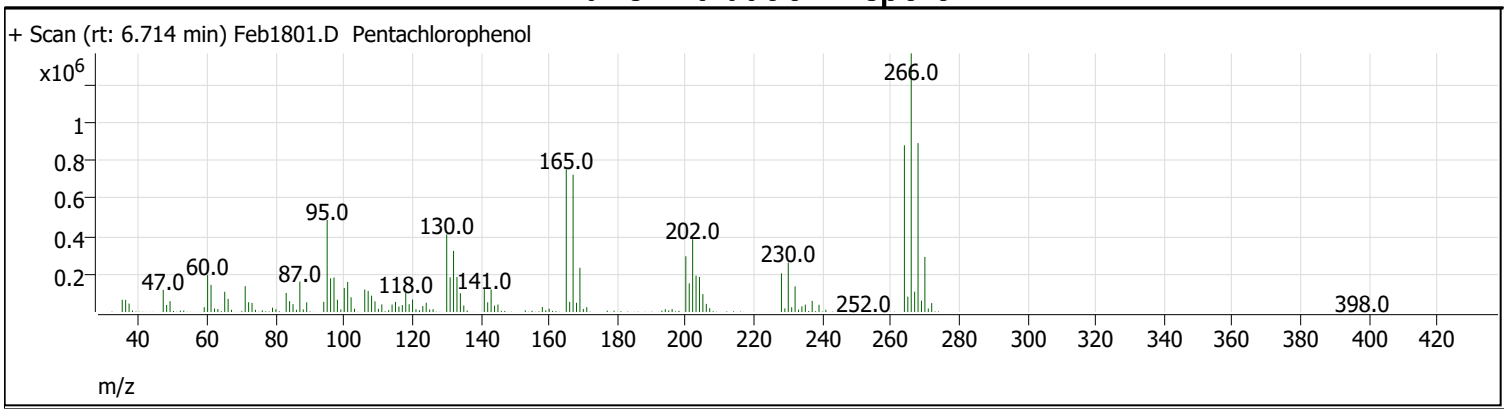


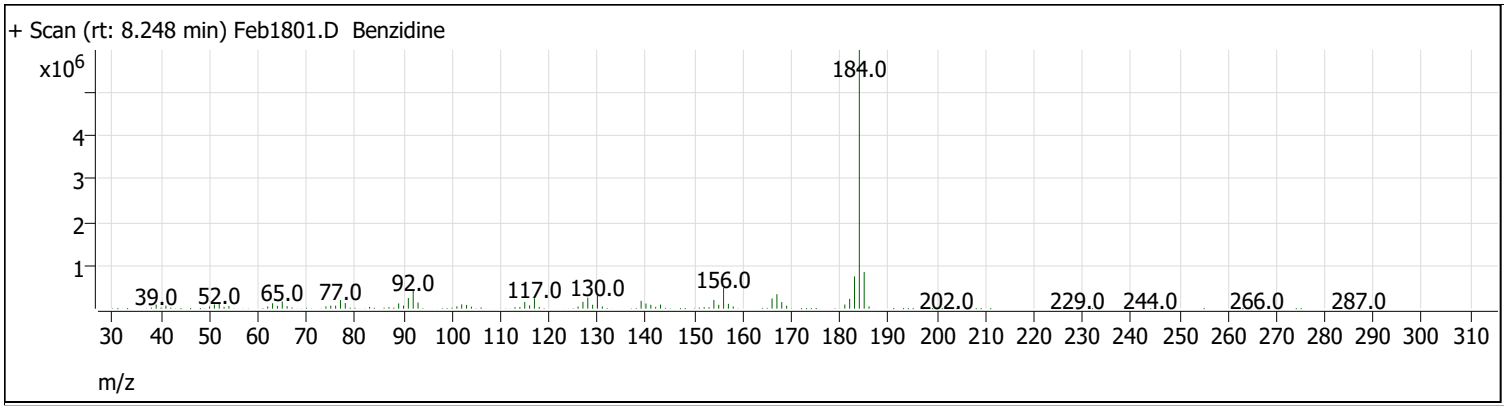
Tune Evaluation Report



Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	9.100	9.031	19685672	2.5	Pass
4,4'-DDD	8.900	0.000	0		
4,4'-DDE	8.700	8.725	505740		

Tune Evaluation Report





Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	6.900	6.714	0.5	2.8	Pass
Benzidine	8.500	8.248	0.2	1.9	Pass

Quantitative Analysis Results Summary Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:22 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Sequence Table

Data File	sample Name	Sample Type	Vial Position	Inj Vol	Level	Acq Method File
Feb1802.D	18-Feb-22_CAL_7	Cal	2	0	7	BNA+SIM.M
Feb1803.D	18-Feb-22_CAL_6	Cal	3	0	6	BNA+SIM.M
Feb1804.D	18-Feb-22_CAL_5	Cal	4	0	5	BNA+SIM.M
Feb1805.D	18-Feb-22_CAL_4	Cal	5	0	4	BNA+SIM.M
Feb1806.D	18-Feb-22_CAL_3	Cal	6	0	3	BNA+SIM.M
Feb1807.D	18-Feb-22_CAL_2	Cal	7	0	2	BNA+SIM.M
Feb1808.D	18-Feb-22_CAL_1	Cal	8	0	1	BNA+SIM.M
Feb1809.D	18-Feb-22_CCV_9	QC	9	0	ICV	BNA+SIM.M

Quantitation Results

Compound: N-Nitrosodimethylamine

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	2.499	435283	357901	1.2162	149.7331	150.0000	99.8
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	2.499	326647	364813	0.8954	116.5794	120.0000	97.1
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	2.499	296474	371179	0.7987	105.9360	100.0000	105.9
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	2.489	186004	349403	0.5323	74.6301	75.0000	99.5
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	2.499	117849	362851	0.3248	47.7313	50.0000	95.5
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	2.489	22053	321307	0.0686	10.2820	10.0000	102.8
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	2.499	9265	317099	0.0292	3.9696	4.0000	99.2
Feb1809.D	QC	1,4-Dichlorobenzene-d4	2.499	201549	326697	0.6169	84.9162	75.0000	113.2

Compound: Pyridine

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	2.530	993215	357901	2.7751	146.1394	150.0000	97.4
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	2.530	843707	364813	2.3127	123.7562	120.0000	103.1
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	2.540	702486	371179	1.8926	102.8459	100.0000	102.8
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	2.530	463669	349403	1.3270	73.7501	75.0000	98.3
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	2.540	315403	362851	0.8692	49.3173	50.0000	98.6
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	2.550	45229	321307	0.1408	8.5845	10.0000	85.8
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	2.571	22506	317099	0.0710	4.5499	4.0000	113.7
Feb1809.D	QC	1,4-Dichlorobenzene-d4	2.540	505592	326697	1.5476	85.2331	75.0000	113.6

Compound: 2-Fluorophenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	3.653	1295463	357901	3.6196	148.0816	150.0000	98.7
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	3.664	1058548	364813	2.9016	120.3426	120.0000	100.3
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	3.664	918079	371179	2.4734	103.4792	100.0000	103.5

Compound: 2-Fluorophenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	3.653	609954	349403	1.7457	74.2355	75.0000	99.0
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	3.653	414958	362851	1.1436	49.4461	50.0000	98.9
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	3.653	61315	321307	0.1908	9.0226	10.0000	90.2
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	3.653	26516	317099	0.0836	4.3761	4.0000	109.4
Feb1809.D	QC	1,4-Dichlorobenzene-d4	3.653	629648	326697	1.9273	81.6051	75.0000	108.8

Compound: Aniline

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	4.573	2171964	357901	6.0686	145.4822	150.0000	97.0
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	4.572	1907332	364813	5.2282	123.9193	120.0000	103.3
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	4.573	1636257	371179	4.4083	103.4379	100.0000	103.4
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	4.562	1113327	349403	3.1864	73.8514	75.0000	98.5
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	4.562	767112	362851	2.1141	48.7288	50.0000	97.5
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	4.562	117703	321307	0.3663	9.2848	10.0000	92.8
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	4.562	44383	317099	0.1400	4.3025	4.0000	107.6
Feb1809.D	QC	1,4-Dichlorobenzene-d4	4.562	659983	326697	2.0202	46.5624	75.0000	62.1

Compound: Phenol-d5

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	4.624	1568589	357901	4.3827	147.1390	150.0000	98.1
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	4.613	1344284	364813	3.6849	122.8556	120.0000	102.4
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	4.613	1136511	371179	3.0619	101.5435	100.0000	101.5
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	4.613	789735	349403	2.2602	74.5966	75.0000	99.5
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	4.603	540696	362851	1.4901	49.1912	50.0000	98.4
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	4.603	82773	321307	0.2576	9.4500	10.0000	94.5
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	4.613	29512	317099	0.0931	4.2259	4.0000	105.6
Feb1809.D	QC	1,4-Dichlorobenzene-d4	4.613	772410	326697	2.3643	78.0649	75.0000	104.1

Compound: Phenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	4.634	1758157	357901	4.9124	145.5279	150.0000	97.0
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	4.634	1552024	364813	4.2543	125.9277	120.0000	104.9
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	4.634	1261120	371179	3.3976	100.5482	100.0000	100.5
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	4.623	880405	349403	2.5197	74.6970	75.0000	99.6
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	4.624	590509	362851	1.6274	48.5783	50.0000	97.2
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	4.624	90632	321307	0.2821	9.4951	10.0000	95.0
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	4.624	31700	317099	0.1000	4.2318	4.0000	105.8
Feb1809.D	QC	1,4-Dichlorobenzene-d4	4.623	922606	326697	2.8240	83.6403	75.0000	111.5

Compound: bis(-2-Chloroethyl)Ether

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	4.644	1179626	357901	3.2960	147.5977	150.0000	98.4

Compound: bis(-2-Chloroethyl)Ether

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	4.644	1004162	364813	2.7525	122.2311	120.0000	101.9
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	4.644	847990	371179	2.2846	100.8038	100.0000	100.8
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	4.644	606109	349403	1.7347	76.0889	75.0000	101.5
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	4.634	402263	362851	1.1086	48.5252	50.0000	97.1
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	4.634	64413	321307	0.2005	9.5586	10.0000	95.6
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	4.634	23255	317099	0.0733	4.1942	4.0000	104.9
Feb1809.D	QC	1,4-Dichlorobenzene-d4	4.644	605585	326697	1.8537	81.3944	75.0000	108.5

Compound: 2-Chlorophenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	4.695	1348440	357901	3.7676	146.1109	150.0000	97.4
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	4.695	1172891	364813	3.2150	122.7016	120.0000	102.3
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	4.695	1016794	371179	2.7394	103.2600	100.0000	103.3
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	4.695	708157	349403	2.0268	75.2284	75.0000	100.3
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	4.685	472214	362851	1.3014	47.8916	50.0000	95.8
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	4.685	75438	321307	0.2348	9.5978	10.0000	96.0
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	4.695	25287	317099	0.0797	4.2017	4.0000	105.0
Feb1809.D	QC	1,4-Dichlorobenzene-d4	4.695	714073	326697	2.1857	81.3755	75.0000	108.5

Compound: 1,3-Dichlorobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	4.828	1667861	357901	4.6601	145.7869	150.0000	97.2
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	4.828	1478960	364813	4.0540	123.7704	120.0000	103.1
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	4.828	1267074	371179	3.4136	101.7787	100.0000	101.8
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	4.828	915843	349403	2.6212	76.0831	75.0000	101.4
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	4.818	613144	362851	1.6898	47.6832	50.0000	95.4
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	4.818	113425	321307	0.3530	9.6983	10.0000	97.0
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	4.818	47435	317099	0.1496	4.1651	4.0000	104.1
Feb1809.D	QC	1,4-Dichlorobenzene-d4	4.828	912914	326697	2.7944	81.5694	75.0000	108.8

Compound: 1,4-Dichlorobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	4.910	1624565	357901	4.5391	145.8903	150.0000	97.3
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	4.910	1440014	364813	3.9473	122.1307	120.0000	101.8
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	4.910	1270219	371179	3.4221	102.7626	100.0000	102.8
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	4.909	929421	349403	2.6600	76.8632	75.0000	102.5
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	4.909	621874	362851	1.7139	47.5208	50.0000	95.0
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	4.910	113963	321307	0.3547	9.4369	10.0000	94.4
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	4.910	50173	317099	0.1582	4.2531	4.0000	106.3
Feb1809.D	QC	1,4-Dichlorobenzene-d4	4.909	910418	326697	2.7867	81.0126	75.0000	108.0

Compound: 1,2-Dichlorobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	5.063	1646889	357901	4.6015	148.3968	150.0000	98.9
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	5.063	1412888	364813	3.8729	121.0749	120.0000	100.9
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	5.063	1225154	371179	3.3007	100.9285	100.0000	100.9
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	5.063	888825	349403	2.5438	75.7478	75.0000	101.0
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	5.063	611643	362851	1.6857	48.8945	50.0000	97.8
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	5.063	110443	321307	0.3437	9.8457	10.0000	98.5
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	5.063	43175	317099	0.1362	4.0801	4.0000	102.0
Feb1809.D	QC	1,4-Dichlorobenzene-d4	5.063	890719	326697	2.7264	81.6838	75.0000	108.9

Compound: Benzyl Alcohol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	5.093	807931	357901	2.2574	145.1617	150.0000	96.8
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	5.093	684389	364813	1.8760	125.2375	120.0000	104.4
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	5.093	549182	371179	1.4796	103.1727	100.0000	103.2
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	5.083	353272	349403	1.0111	74.8757	75.0000	99.8
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	5.083	213122	362851	0.5874	46.5715	50.0000	93.1
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	5.083	31154	321307	0.0970	9.2253	10.0000	92.3
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	5.093	12526	317099	0.0395	4.4169	4.0000	110.4
Feb1809.D	QC	1,4-Dichlorobenzene-d4	5.083	349450	326697	1.0696	78.5671	75.0000	104.8

Compound: bis(2-chloroisopropyl)Ether

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	5.226	445398	357901	1.2445	144.2435	150.0000	96.2
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	5.226	404464	364813	1.1087	126.7778	120.0000	105.6
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	5.226	335267	371179	0.9032	101.3600	100.0000	101.4
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	5.226	237128	349403	0.6787	74.8004	75.0000	99.7
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	5.216	160657	362851	0.4428	48.1097	50.0000	96.2
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	5.216	26761	321307	0.0833	9.4881	10.0000	94.9
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	5.226	10403	317099	0.0328	4.2421	4.0000	106.1
Feb1809.D	QC	1,4-Dichlorobenzene-d4	5.226	198614	326697	0.6079	66.6763	75.0000	88.9

Compound: 2-Methylphenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	5.247	1190643	357901	3.3267	144.8184	150.0000	96.5
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	5.247	1056421	364813	2.8958	125.2574	120.0000	104.4
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	5.247	896431	371179	2.4151	103.7891	100.0000	103.8
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	5.246	594885	349403	1.7026	72.6095	75.0000	96.8
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	5.236	416195	362851	1.1470	48.8002	50.0000	97.6
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	5.236	67039	321307	0.2086	9.5156	10.0000	95.2
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	5.247	25470	317099	0.0803	4.2297	4.0000	105.7
Feb1809.D	QC	1,4-Dichlorobenzene-d4	5.246	612115	326697	1.8736	80.0280	75.0000	106.7

Compound: N-nitroso-Di-n-propylamine

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	5.390	939344	357901	2.6246	151.9419	150.0000	101.3
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	5.379	719807	364813	1.9731	117.7016	120.0000	98.1
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	5.379	603850	371179	1.6268	98.7706	100.0000	98.8
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	5.369	421834	349403	1.2073	75.0645	75.0000	100.1
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	5.369	295456	362851	0.8143	52.0108	50.0000	104.0
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	5.359	40378	321307	0.1257	9.3374	10.0000	93.4
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	5.369	14516	317099	0.0458	4.1739	4.0000	104.3
Feb1809.D	QC	1,4-Dichlorobenzene-d4	5.369	442003	326697	1.3529	83.3946	75.0000	111.2

Compound: 4Methylphenol/3Methylphenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	5.430	1613966	357901	4.5095	147.6891	150.0000	98.5
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	5.430	1358832	364813	3.7247	119.7461	120.0000	99.8
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	5.430	1202844	371179	3.2406	103.0919	100.0000	103.1
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	5.430	858705	349403	2.4576	77.0033	75.0000	102.7
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	5.420	564049	362851	1.5545	48.0796	50.0000	96.2
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	5.420	88244	321307	0.2746	8.9706	10.0000	89.7
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	5.420	38326	317099	0.1209	4.4059	4.0000	110.1
Feb1809.D	QC	1,4-Dichlorobenzene-d4	5.430	816321	326697	2.4987	78.3474	75.0000	104.5

Compound: Hexachloroethane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	5.430	548286	357901	1.5319	145.5974	150.0000	97.1
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	5.430	475489	364813	1.3034	124.5829	120.0000	103.8
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	5.430	396362	371179	1.0678	102.7056	100.0000	102.7
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	5.430	268097	349403	0.7673	74.4485	75.0000	99.3
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	5.420	176921	362851	0.4876	47.7941	50.0000	95.6
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	5.420	30122	321307	0.0937	9.6553	10.0000	96.6
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	5.420	12058	317099	0.0380	4.1997	4.0000	105.0
Feb1809.D	QC	1,4-Dichlorobenzene-d4	5.430	259885	326697	0.7955	77.1157	75.0000	102.8

Compound: Nitrobenzene-d5

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	5.512	904317	357901	2.5267	146.3219	150.0000	97.5
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	5.512	771682	364813	2.1153	123.2948	120.0000	102.7
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	5.512	649013	371179	1.7485	102.5700	100.0000	102.6
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	5.502	443231	349403	1.2685	75.1559	75.0000	100.2
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	5.502	289612	362851	0.7982	47.9581	50.0000	95.9
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	5.502	45452	321307	0.1415	9.4140	10.0000	94.1
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	5.502	17369	317099	0.0548	4.2746	4.0000	106.9
Feb1809.D	QC	1,4-Dichlorobenzene-d4	5.502	394242	326697	1.2067	71.6023	75.0000	95.5

Compound: Nitrobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	1,4-Dichlorobenzene-d4	5.533	407665	357901	1.1390	141.1819	150.0000	94.1
Feb1803.D	Calibration	1,4-Dichlorobenzene-d4	5.533	374243	364813	1.0258	125.1561	120.0000	104.3
Feb1804.D	Calibration	1,4-Dichlorobenzene-d4	5.533	341039	371179	0.9188	110.5848	100.0000	110.6
Feb1805.D	Calibration	1,4-Dichlorobenzene-d4	5.522	210462	349403	0.6023	70.2948	75.0000	93.7
Feb1806.D	Calibration	1,4-Dichlorobenzene-d4	5.522	153327	362851	0.4226	48.9550	50.0000	97.9
Feb1807.D	Calibration	1,4-Dichlorobenzene-d4	5.522	18080	321307	0.0563	8.2519	10.0000	82.5
Feb1808.D	Calibration	1,4-Dichlorobenzene-d4	5.522	7200	317099	0.0227	4.6846	4.0000	117.1
Feb1809.D	QC	1,4-Dichlorobenzene-d4	5.522	203074	326697	0.6216	72.6407	75.0000	96.9

Compound: Isophorone

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	5.839	2053422	1001933	2.0495	146.3082	150.0000	97.5
Feb1803.D	Calibration	Naphthalene-d8	5.829	1823587	1057723	1.7241	123.4859	120.0000	102.9
Feb1804.D	Calibration	Naphthalene-d8	5.818	1526319	1086743	1.4045	101.0151	100.0000	101.0
Feb1805.D	Calibration	Naphthalene-d8	5.818	1066372	1000375	1.0660	77.1518	75.0000	102.9
Feb1806.D	Calibration	Naphthalene-d8	5.808	689466	1062572	0.6489	47.6614	50.0000	95.3
Feb1807.D	Calibration	Naphthalene-d8	5.808	97277	942506	0.1032	8.9357	10.0000	89.4
Feb1808.D	Calibration	Naphthalene-d8	5.819	37781	944248	0.0400	4.4396	4.0000	111.0
Feb1809.D	QC	Naphthalene-d8	5.818	952075	945085	1.0074	73.0163	75.0000	97.4

Compound: 2-Nitrophenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	5.890	508410	1001933	0.5074	144.4380	150.0000	96.3
Feb1803.D	Calibration	Naphthalene-d8	5.890	455325	1057723	0.4305	126.5272	120.0000	105.4
Feb1804.D	Calibration	Naphthalene-d8	5.890	366947	1086743	0.3377	103.6254	100.0000	103.6
Feb1805.D	Calibration	Naphthalene-d8	5.880	223037	1000375	0.2230	72.8971	75.0000	97.2
Feb1806.D	Calibration	Naphthalene-d8	5.880	145865	1062572	0.1373	47.6904	50.0000	95.4
Feb1807.D	Calibration	Naphthalene-d8	5.880	19297	942506	0.0205	8.9839	10.0000	89.8
Feb1808.D	Calibration	Naphthalene-d8	5.880	7612	944248	0.0081	4.4863	4.0000	112.2
Feb1809.D	QC	Naphthalene-d8	5.890	230240	945085	0.2436	78.6630	75.0000	104.9

Compound: 2,4-Dimethylphenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	6.013	870994	1001933	0.8693	141.2476	150.0000	94.2
Feb1803.D	Calibration	Naphthalene-d8	6.013	819537	1057723	0.7748	124.2859	120.0000	103.6
Feb1804.D	Calibration	Naphthalene-d8	6.013	752268	1086743	0.6922	109.8715	100.0000	109.9
Feb1805.D	Calibration	Naphthalene-d8	6.003	486601	1000375	0.4864	75.4339	75.0000	100.6
Feb1806.D	Calibration	Naphthalene-d8	6.003	310997	1062572	0.2927	44.7058	50.0000	89.4
Feb1807.D	Calibration	Naphthalene-d8	6.003	52824	942506	0.0560	9.0655	10.0000	90.7
Feb1808.D	Calibration	Naphthalene-d8	6.003	23276	944248	0.0247	4.4772	4.0000	111.9
Feb1809.D	QC	Naphthalene-d8	6.003	471706	945085	0.4991	77.5019	75.0000	103.3

Compound: bis(-2-Chloroethoxy)Methane

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	6.095	1216035	1001933	1.2137	145.3489	150.0000	96.9
Feb1803.D	Calibration	Naphthalene-d8	6.095	1115448	1057723	1.0546	127.3797	120.0000	106.1
Feb1804.D	Calibration	Naphthalene-d8	6.095	893144	1086743	0.8219	100.6447	100.0000	100.6
Feb1805.D	Calibration	Naphthalene-d8	6.085	572879	1000375	0.5727	71.3861	75.0000	95.2
Feb1806.D	Calibration	Naphthalene-d8	6.085	423833	1062572	0.3989	50.5699	50.0000	101.1
Feb1807.D	Calibration	Naphthalene-d8	6.085	59939	942506	0.0636	9.3842	10.0000	93.8
Feb1808.D	Calibration	Naphthalene-d8	6.085	21296	944248	0.0226	4.2445	4.0000	106.1
Feb1809.D	QC	Naphthalene-d8	6.085	542758	945085	0.5743	71.5798	75.0000	95.4

Compound: 2,4-Dichlorophenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	6.198	896259	1001933	0.8945	143.8113	150.0000	95.9
Feb1803.D	Calibration	Naphthalene-d8	6.198	833232	1057723	0.7878	126.8965	120.0000	105.7
Feb1804.D	Calibration	Naphthalene-d8	6.198	688712	1086743	0.6337	102.4517	100.0000	102.5
Feb1805.D	Calibration	Naphthalene-d8	6.187	462781	1000375	0.4626	75.2295	75.0000	100.3
Feb1806.D	Calibration	Naphthalene-d8	6.188	302701	1062572	0.2849	46.8883	50.0000	93.8
Feb1807.D	Calibration	Naphthalene-d8	6.188	47605	942506	0.0505	9.4074	10.0000	94.1
Feb1808.D	Calibration	Naphthalene-d8	6.198	17657	944248	0.0187	4.3107	4.0000	107.8
Feb1809.D	QC	Naphthalene-d8	6.198	451820	945085	0.4781	77.6923	75.0000	103.6

Compound: Benzoic Acid

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	6.290	580859	1001933	0.5797	145.3846	150.0000	96.9
Feb1803.D	Calibration	Naphthalene-d8	6.270	519957	1057723	0.4916	128.5980	120.0000	107.2
Feb1804.D	Calibration	Naphthalene-d8	6.260	365591	1086743	0.3364	96.0972	100.0000	96.1
Feb1805.D	Calibration	Naphthalene-d8	6.239	258415	1000375	0.2583	77.8651	75.0000	103.8
Feb1806.D	Calibration	Naphthalene-d8	6.208	150889	1062572	0.1420	47.3454	50.0000	94.7
Feb1807.D	Calibration	Naphthalene-d8	6.147	18665	942506	0.0198	8.4117	10.0000	84.1
Feb1808.D	Calibration	Naphthalene-d8	6.136	9103	944248	0.0096	4.6830	4.0000	117.1
Feb1809.D	QC	Naphthalene-d8	6.229	237375	945085	0.2512	76.1167	75.0000	101.5

Compound: 1,2,4-Trichlorobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	6.249	1020843	1001933	1.0189	148.2588	150.0000	98.8
Feb1803.D	Calibration	Naphthalene-d8	6.249	897123	1057723	0.8482	119.8787	120.0000	99.9
Feb1804.D	Calibration	Naphthalene-d8	6.249	795894	1086743	0.7324	101.6643	100.0000	101.7
Feb1805.D	Calibration	Naphthalene-d8	6.249	573589	1000375	0.5734	77.8158	75.0000	103.8
Feb1806.D	Calibration	Naphthalene-d8	6.249	381654	1062572	0.3592	47.4978	50.0000	95.0
Feb1807.D	Calibration	Naphthalene-d8	6.249	69022	942506	0.0732	9.7020	10.0000	97.0
Feb1808.D	Calibration	Naphthalene-d8	6.249	27847	944248	0.0295	4.1540	4.0000	103.8
Feb1809.D	QC	Naphthalene-d8	6.249	556684	945085	0.5890	80.1098	75.0000	106.8

Compound: Naphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	6.331	2903611	1001933	2.8980	144.2577	150.0000	96.2
Feb1803.D	Calibration	Naphthalene-d8	6.331	2702791	1057723	2.5553	123.6183	120.0000	103.0
Feb1804.D	Calibration	Naphthalene-d8	6.331	2385769	1086743	2.1953	103.3531	100.0000	103.4
Feb1805.D	Calibration	Naphthalene-d8	6.331	1714981	1000375	1.7143	78.1039	75.0000	104.1
Feb1806.D	Calibration	Naphthalene-d8	6.321	1110201	1062572	1.0448	45.7297	50.0000	91.5
Feb1807.D	Calibration	Naphthalene-d8	6.321	215374	942506	0.2285	9.6379	10.0000	96.4
Feb1808.D	Calibration	Naphthalene-d8	6.321	94125	944248	0.0997	4.2231	4.0000	105.6
Feb1809.D	QC	Naphthalene-d8	6.331	1701484	945085	1.8004	82.4832	75.0000	110.0

Compound: 4-Chlorophenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	6.414	345521	1001933	0.3449	147.5888	150.0000	98.4
Feb1803.D	Calibration	Naphthalene-d8	6.414	301586	1057723	0.2851	122.6373	120.0000	102.2
Feb1804.D	Calibration	Naphthalene-d8	6.414	254245	1086743	0.2340	101.0255	100.0000	101.0
Feb1805.D	Calibration	Naphthalene-d8	6.413	174790	1000375	0.1747	75.7373	75.0000	101.0
Feb1806.D	Calibration	Naphthalene-d8	6.414	116895	1062572	0.1100	47.7556	50.0000	95.5
Feb1807.D	Calibration	Naphthalene-d8	6.414	23297	942506	0.0247	10.2898	10.0000	102.9
Feb1808.D	Calibration	Naphthalene-d8	6.424	9877	944248	0.0105	3.9595	4.0000	99.0
Feb1809.D	QC	Naphthalene-d8	6.413	174820	945085	0.1850	80.1371	75.0000	106.8

Compound: p-Chloroaniline

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	6.434	1228719	1001933	1.2263	150.5232	150.0000	100.3
Feb1803.D	Calibration	Naphthalene-d8	6.434	1050839	1057723	0.9935	119.2044	120.0000	99.3
Feb1804.D	Calibration	Naphthalene-d8	6.434	893838	1086743	0.8225	97.2096	100.0000	97.2
Feb1805.D	Calibration	Naphthalene-d8	6.434	681721	1000375	0.6815	79.6395	75.0000	106.2
Feb1806.D	Calibration	Naphthalene-d8	6.434	453225	1062572	0.4265	49.0478	50.0000	98.1
Feb1807.D	Calibration	Naphthalene-d8	6.434	71033	942506	0.0754	9.0638	10.0000	90.6
Feb1808.D	Calibration	Naphthalene-d8	6.434	30624	944248	0.0324	4.3289	4.0000	108.2
Feb1809.D	QC	Naphthalene-d8	6.434	596772	945085	0.6314	73.5230	75.0000	98.0

Compound: Hexachlorobutadiene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	6.496	573148	1001933	0.5720	147.3648	150.0000	98.2
Feb1803.D	Calibration	Naphthalene-d8	6.496	492013	1057723	0.4652	120.4421	120.0000	100.4
Feb1804.D	Calibration	Naphthalene-d8	6.496	432772	1086743	0.3982	103.4520	100.0000	103.5
Feb1805.D	Calibration	Naphthalene-d8	6.496	296318	1000375	0.2962	77.3594	75.0000	103.1
Feb1806.D	Calibration	Naphthalene-d8	6.485	188037	1062572	0.1770	46.5537	50.0000	93.1
Feb1807.D	Calibration	Naphthalene-d8	6.485	33554	942506	0.0356	9.5879	10.0000	95.9
Feb1808.D	Calibration	Naphthalene-d8	6.496	14423	944248	0.0153	4.2318	4.0000	105.8
Feb1809.D	QC	Naphthalene-d8	6.496	286141	945085	0.3028	79.0445	75.0000	105.4

Compound: 4-Chloro-2-Methylphenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	6.937	789739	1001933	0.7882	143.0066	150.0000	95.3
Feb1803.D	Calibration	Naphthalene-d8	6.937	740508	1057723	0.7001	125.8060	120.0000	104.8
Feb1804.D	Calibration	Naphthalene-d8	6.937	635015	1086743	0.5843	103.7577	100.0000	103.8
Feb1805.D	Calibration	Naphthalene-d8	6.937	445081	1000375	0.4449	77.9697	75.0000	104.0
Feb1806.D	Calibration	Naphthalene-d8	6.937	274008	1062572	0.2579	44.5613	50.0000	89.1
Feb1807.D	Calibration	Naphthalene-d8	6.937	51791	942506	0.0550	9.6988	10.0000	97.0
Feb1808.D	Calibration	Naphthalene-d8	6.937	21228	944248	0.0225	4.2432	4.0000	106.1
Feb1809.D	QC	Naphthalene-d8	6.937	402121	945085	0.4255	74.4384	75.0000	99.3

Compound: 4-Chloro-3-Methylphenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	7.081	869158	1001933	0.8675	145.6908	150.0000	97.1
Feb1803.D	Calibration	Naphthalene-d8	7.081	782006	1057723	0.7393	124.1681	120.0000	103.5
Feb1804.D	Calibration	Naphthalene-d8	7.081	646645	1086743	0.5950	99.9334	100.0000	99.9
Feb1805.D	Calibration	Naphthalene-d8	7.071	450778	1000375	0.4506	75.6784	75.0000	100.9
Feb1806.D	Calibration	Naphthalene-d8	7.071	311889	1062572	0.2935	49.2963	50.0000	98.6
Feb1807.D	Calibration	Naphthalene-d8	7.071	51113	942506	0.0542	9.1080	10.0000	91.1
Feb1808.D	Calibration	Naphthalene-d8	7.071	24488	944248	0.0259	4.3556	4.0000	108.9
Feb1809.D	QC	Naphthalene-d8	7.071	449625	945085	0.4758	79.9010	75.0000	106.5

Compound: 2-Methylnaphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	7.153	1933828	1001933	1.9301	150.9988	150.0000	100.7
Feb1803.D	Calibration	Naphthalene-d8	7.153	1591431	1057723	1.5046	119.2703	120.0000	99.4
Feb1804.D	Calibration	Naphthalene-d8	7.153	1357670	1086743	1.2493	99.7838	100.0000	99.8
Feb1805.D	Calibration	Naphthalene-d8	7.143	914283	1000375	0.9139	73.6320	75.0000	98.2
Feb1806.D	Calibration	Naphthalene-d8	7.143	670695	1062572	0.6312	51.0637	50.0000	102.1
Feb1807.D	Calibration	Naphthalene-d8	7.143	129837	942506	0.1378	10.4339	10.0000	104.3
Feb1808.D	Calibration	Naphthalene-d8	7.143	56026	944248	0.0593	3.8205	4.0000	95.5
Feb1809.D	QC	Naphthalene-d8	7.143	934925	945085	0.9892	79.5615	75.0000	106.1

Compound: 1-Methylnaphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Naphthalene-d8	7.266	1836402	1001933	1.8329	150.2226	150.0000	100.1
Feb1803.D	Calibration	Naphthalene-d8	7.266	1575011	1057723	1.4891	122.4836	120.0000	102.1
Feb1804.D	Calibration	Naphthalene-d8	7.256	1279557	1086743	1.1774	97.0856	100.0000	97.1
Feb1805.D	Calibration	Naphthalene-d8	7.255	885279	1000375	0.8849	73.0226	75.0000	97.4
Feb1806.D	Calibration	Naphthalene-d8	7.256	672135	1062572	0.6326	52.0765	50.0000	104.2
Feb1807.D	Calibration	Naphthalene-d8	7.256	126738	942506	0.1345	10.2310	10.0000	102.3
Feb1808.D	Calibration	Naphthalene-d8	7.256	56205	944248	0.0595	3.8746	4.0000	96.9
Feb1809.D	QC	Naphthalene-d8	7.256	864319	945085	0.9145	75.4676	75.0000	100.6

Compound: Hexachlorocyclopentadiene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	7.338	361285	557793	0.6477	147.7348	150.0000	98.5
Feb1803.D	Calibration	Acenaphthene-d10	7.338	295198	575329	0.5131	118.7229	120.0000	98.9
Feb1804.D	Calibration	Acenaphthene-d10	7.338	260879	576774	0.4523	105.4390	100.0000	105.4
Feb1805.D	Calibration	Acenaphthene-d10	7.338	175425	547996	0.3201	76.1385	75.0000	101.5
Feb1806.D	Calibration	Acenaphthene-d10	7.338	113002	582178	0.1941	47.6532	50.0000	95.3
Feb1807.D	Calibration	Acenaphthene-d10	7.338	13837	529011	0.0262	8.7963	10.0000	88.0
Feb1808.D	Calibration	Acenaphthene-d10	7.338	4224	538819	0.0078	4.4930	4.0000	112.3
Feb1809.D	QC	Acenaphthene-d10	7.338	167582	544785	0.3076	73.3354	75.0000	97.8

Compound: 2,4,6-Trichlorophenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	7.523	593283	557793	1.0636	141.2571	150.0000	94.2
Feb1803.D	Calibration	Acenaphthene-d10	7.523	545615	575329	0.9484	126.4941	120.0000	105.4
Feb1804.D	Calibration	Acenaphthene-d10	7.523	467130	576774	0.8099	108.6677	100.0000	108.7
Feb1805.D	Calibration	Acenaphthene-d10	7.523	298561	547996	0.5448	74.2424	75.0000	99.0
Feb1806.D	Calibration	Acenaphthene-d10	7.512	186323	582178	0.3200	44.7383	50.0000	89.5
Feb1807.D	Calibration	Acenaphthene-d10	7.512	27041	529011	0.0511	9.0500	10.0000	90.5
Feb1808.D	Calibration	Acenaphthene-d10	7.512	9233	538819	0.0171	4.5098	4.0000	112.7
Feb1809.D	QC	Acenaphthene-d10	7.523	289067	544785	0.5306	72.3850	75.0000	96.5

Compound: 2,4,5-Trichlorophenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	7.584	685262	557793	1.2285	146.8158	150.0000	97.9
Feb1803.D	Calibration	Acenaphthene-d10	7.574	587533	575329	1.0212	122.6454	120.0000	102.2
Feb1804.D	Calibration	Acenaphthene-d10	7.574	481776	576774	0.8353	100.8451	100.0000	100.8
Feb1805.D	Calibration	Acenaphthene-d10	7.574	351204	547996	0.6409	77.9211	75.0000	103.9
Feb1806.D	Calibration	Acenaphthene-d10	7.574	223316	582178	0.3836	47.3755	50.0000	94.8
Feb1807.D	Calibration	Acenaphthene-d10	7.574	33223	529011	0.0628	8.9583	10.0000	89.6
Feb1808.D	Calibration	Acenaphthene-d10	7.574	13593	538819	0.0252	4.4335	4.0000	110.8
Feb1809.D	QC	Acenaphthene-d10	7.574	325852	544785	0.5981	72.8614	75.0000	97.1

Compound: 2-Fluorobiphenyl

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	7.615	2463367	557793	4.4163	147.2250	150.0000	98.2
Feb1803.D	Calibration	Acenaphthene-d10	7.615	2072877	575329	3.6029	120.3883	120.0000	100.3
Feb1804.D	Calibration	Acenaphthene-d10	7.615	1829747	576774	3.1724	106.1193	100.0000	106.1
Feb1805.D	Calibration	Acenaphthene-d10	7.605	1191628	547996	2.1745	72.8806	75.0000	97.2
Feb1806.D	Calibration	Acenaphthene-d10	7.605	840492	582178	1.4437	48.3854	50.0000	96.8
Feb1807.D	Calibration	Acenaphthene-d10	7.605	160369	529011	0.3031	9.8948	10.0000	98.9
Feb1808.D	Calibration	Acenaphthene-d10	7.605	71272	538819	0.1323	4.1003	4.0000	102.5
Feb1809.D	QC	Acenaphthene-d10	7.605	1100230	544785	2.0196	67.6979	75.0000	90.3

Compound: 2-Chloronaphthalene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	7.718	2050771	557793	3.6766	146.7090	150.0000	97.8
Feb1803.D	Calibration	Acenaphthene-d10	7.718	1673143	575329	2.9081	116.0457	120.0000	96.7
Feb1804.D	Calibration	Acenaphthene-d10	7.718	1444367	576774	2.5042	99.9274	100.0000	99.9
Feb1805.D	Calibration	Acenaphthene-d10	7.718	1085597	547996	1.9810	79.0504	75.0000	105.4
Feb1806.D	Calibration	Acenaphthene-d10	7.718	726480	582178	1.2479	49.7944	50.0000	99.6
Feb1807.D	Calibration	Acenaphthene-d10	7.708	133308	529011	0.2520	10.0555	10.0000	100.6
Feb1808.D	Calibration	Acenaphthene-d10	7.718	54021	538819	0.1003	4.0007	4.0000	100.0
Feb1809.D	QC	Acenaphthene-d10	7.718	1122871	544785	2.0611	82.2466	75.0000	109.7

Compound: 2-Nitroaniline

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	7.892	356343	557793	0.6388	139.5885	150.0000	93.1
Feb1803.D	Calibration	Acenaphthene-d10	7.892	340794	575329	0.5923	129.8078	120.0000	108.2
Feb1804.D	Calibration	Acenaphthene-d10	7.892	286563	576774	0.4968	109.6150	100.0000	109.6
Feb1805.D	Calibration	Acenaphthene-d10	7.882	168135	547996	0.3068	69.0174	75.0000	92.0
Feb1806.D	Calibration	Acenaphthene-d10	7.882	121485	582178	0.2087	47.8219	50.0000	95.6
Feb1807.D	Calibration	Acenaphthene-d10	7.882	14804	529011	0.0280	8.3822	10.0000	83.8
Feb1808.D	Calibration	Acenaphthene-d10	7.882	6068	538819	0.0113	4.7042	4.0000	117.6
Feb1809.D	QC	Acenaphthene-d10	7.882	161803	544785	0.2970	66.9049	75.0000	89.2

Compound: Dimethyl Phthalate

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	8.149	2219984	557793	3.9799	148.7697	150.0000	99.2
Feb1803.D	Calibration	Acenaphthene-d10	8.139	1795167	575329	3.1202	119.4214	120.0000	99.5
Feb1804.D	Calibration	Acenaphthene-d10	8.139	1483564	576774	2.5722	100.1141	100.0000	100.1
Feb1805.D	Calibration	Acenaphthene-d10	8.139	1115466	547996	2.0355	80.7167	75.0000	107.6
Feb1806.D	Calibration	Acenaphthene-d10	8.128	658473	582178	1.1311	46.8059	50.0000	93.6
Feb1807.D	Calibration	Acenaphthene-d10	8.129	85510	529011	0.1616	8.5312	10.0000	85.3
Feb1808.D	Calibration	Acenaphthene-d10	8.129	34888	538819	0.0647	4.5831	4.0000	114.6
Feb1809.D	QC	Acenaphthene-d10	8.139	1155106	544785	2.1203	83.8145	75.0000	111.8

Compound: 2,6-Dinitrotoluene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	8.200	273317	557793	0.4900	140.2801	150.0000	93.5
Feb1803.D	Calibration	Acenaphthene-d10	8.200	270214	575329	0.4697	134.5088	120.0000	112.1
Feb1804.D	Calibration	Acenaphthene-d10	8.190	197597	576774	0.3426	98.5084	100.0000	98.5
Feb1805.D	Calibration	Acenaphthene-d10	8.190	142994	547996	0.2609	75.4480	75.0000	100.6
Feb1806.D	Calibration	Acenaphthene-d10	8.180	92679	582178	0.1592	46.7873	50.0000	93.6
Feb1807.D	Calibration	Acenaphthene-d10	8.180	13053	529011	0.0247	9.0242	10.0000	90.2
Feb1808.D	Calibration	Acenaphthene-d10	8.180	4514	538819	0.0084	4.4592	4.0000	111.5
Feb1809.D	QC	Acenaphthene-d10	8.190	139972	544785	0.2569	74.3170	75.0000	99.1

Compound: Acenaphthylene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	8.210	3319452	557793	5.9510	149.6798	150.0000	99.8
Feb1803.D	Calibration	Acenaphthene-d10	8.200	2788358	575329	4.8465	121.4632	120.0000	101.2
Feb1804.D	Calibration	Acenaphthene-d10	8.200	2278175	576774	3.9499	98.7406	100.0000	98.7
Feb1805.D	Calibration	Acenaphthene-d10	8.200	1630309	547996	2.9750	74.2214	75.0000	99.0
Feb1806.D	Calibration	Acenaphthene-d10	8.200	1195576	582178	2.0536	51.2174	50.0000	102.4
Feb1807.D	Calibration	Acenaphthene-d10	8.200	194369	529011	0.3674	9.5403	10.0000	95.4
Feb1808.D	Calibration	Acenaphthene-d10	8.200	79350	538819	0.1473	4.1382	4.0000	103.5
Feb1809.D	QC	Acenaphthene-d10	8.200	1526451	544785	2.8019	69.8871	75.0000	93.2

Compound: 3-Nitroaniline

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	8.405	328938	557793	0.5897	141.8409	150.0000	94.6
Feb1803.D	Calibration	Acenaphthene-d10	8.405	309107	575329	0.5373	130.3972	120.0000	108.7
Feb1804.D	Calibration	Acenaphthene-d10	8.395	233884	576774	0.4055	100.9236	100.0000	100.9
Feb1805.D	Calibration	Acenaphthene-d10	8.394	165178	547996	0.3014	76.8514	75.0000	102.5
Feb1806.D	Calibration	Acenaphthene-d10	8.384	99318	582178	0.1706	45.4914	50.0000	91.0
Feb1807.D	Calibration	Acenaphthene-d10	8.384	12737	529011	0.0241	8.7217	10.0000	87.2
Feb1808.D	Calibration	Acenaphthene-d10	8.384	4377	538819	0.0081	4.6024	4.0000	115.1
Feb1809.D	QC	Acenaphthene-d10	8.394	169184	544785	0.3106	78.9929	75.0000	105.3

Compound: Acenaphthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	8.425	1843621	557793	3.3052	152.6309	150.0000	101.8
Feb1803.D	Calibration	Acenaphthene-d10	8.415	1503475	575329	2.6132	117.1551	120.0000	97.6
Feb1804.D	Calibration	Acenaphthene-d10	8.415	1278423	576774	2.2165	97.8035	100.0000	97.8
Feb1805.D	Calibration	Acenaphthene-d10	8.415	972895	547996	1.7754	77.0251	75.0000	102.7
Feb1806.D	Calibration	Acenaphthene-d10	8.415	694646	582178	1.1932	50.6665	50.0000	101.3
Feb1807.D	Calibration	Acenaphthene-d10	8.405	125792	529011	0.2378	9.6812	10.0000	96.8
Feb1808.D	Calibration	Acenaphthene-d10	8.405	55213	538819	0.1025	4.0797	4.0000	102.0
Feb1809.D	QC	Acenaphthene-d10	8.415	1009554	544785	1.8531	80.6345	75.0000	107.5

Compound: 2,4-Dinitrophenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	8.528	173045	557793	0.3102	147.4076	150.0000	98.3
Feb1803.D	Calibration	Acenaphthene-d10	8.527	138026	575329	0.2399	121.6307	120.0000	101.4
Feb1804.D	Calibration	Acenaphthene-d10	8.517	112195	576774	0.1945	103.5995	100.0000	103.6
Feb1805.D	Calibration	Acenaphthene-d10	8.517	69917	547996	0.1276	74.3624	75.0000	99.1
Feb1806.D	Calibration	Acenaphthene-d10	8.507	43823	582178	0.0753	48.5159	50.0000	97.0
Feb1807.D	Calibration	Acenaphthene-d10	8.517	3755	529011	0.0071	8.5763	10.0000	85.8
Feb1808.D	Calibration	Acenaphthene-d10	8.528	616	538819	0.0011	4.5942	4.0000	114.9
Feb1809.D	QC	Acenaphthene-d10	8.517	68442	544785	0.1256	73.4507	75.0000	97.9

Compound: Dibenzofuran

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	8.630	2842991	557793	5.0969	148.1350	150.0000	98.8
Feb1803.D	Calibration	Acenaphthene-d10	8.630	2443689	575329	4.2475	118.4946	120.0000	98.7
Feb1804.D	Calibration	Acenaphthene-d10	8.630	2138324	576774	3.7074	101.0591	100.0000	101.1
Feb1805.D	Calibration	Acenaphthene-d10	8.630	1694536	547996	3.0922	82.2814	75.0000	109.7
Feb1806.D	Calibration	Acenaphthene-d10	8.620	1034897	582178	1.7776	45.2583	50.0000	90.5
Feb1807.D	Calibration	Acenaphthene-d10	8.620	200815	529011	0.3796	9.4970	10.0000	95.0
Feb1808.D	Calibration	Acenaphthene-d10	8.620	88427	538819	0.1641	4.2555	4.0000	106.4
Feb1809.D	QC	Acenaphthene-d10	8.630	1641005	544785	3.0122	79.9136	75.0000	106.6

Compound: 2,4-Dinitrotoluene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	8.681	397564	557793	0.7127	147.3776	150.0000	98.3
Feb1803.D	Calibration	Acenaphthene-d10	8.681	328858	575329	0.5716	122.8060	120.0000	102.3
Feb1804.D	Calibration	Acenaphthene-d10	8.671	261377	576774	0.4532	100.9400	100.0000	100.9
Feb1805.D	Calibration	Acenaphthene-d10	8.671	177941	547996	0.3247	75.6678	75.0000	100.9
Feb1806.D	Calibration	Acenaphthene-d10	8.660	115884	582178	0.1991	49.0233	50.0000	98.0
Feb1807.D	Calibration	Acenaphthene-d10	8.661	14287	529011	0.0270	8.4581	10.0000	84.6
Feb1808.D	Calibration	Acenaphthene-d10	8.661	6380	538819	0.0118	4.5965	4.0000	114.9
Feb1809.D	QC	Acenaphthene-d10	8.671	186566	544785	0.3425	79.2675	75.0000	105.7

Compound: 4-Nitrophenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	8.722	368713	557793	0.6610	144.3881	150.0000	96.3
Feb1803.D	Calibration	Acenaphthene-d10	8.712	326746	575329	0.5679	126.2944	120.0000	105.2
Feb1804.D	Calibration	Acenaphthene-d10	8.712	258897	576774	0.4489	102.3911	100.0000	102.4
Feb1805.D	Calibration	Acenaphthene-d10	8.701	176351	547996	0.3218	75.8272	75.0000	101.1
Feb1806.D	Calibration	Acenaphthene-d10	8.701	108704	582178	0.1867	46.2243	50.0000	92.4
Feb1807.D	Calibration	Acenaphthene-d10	8.701	14966	529011	0.0283	9.4102	10.0000	94.1
Feb1808.D	Calibration	Acenaphthene-d10	8.732	3924	538819	0.0073	4.3354	4.0000	108.4
Feb1809.D	QC	Acenaphthene-d10	8.701	178388	544785	0.3274	77.0307	75.0000	102.7

Compound: Diethylphthalate

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	9.008	2256164	557793	4.0448	145.3678	150.0000	96.9
Feb1803.D	Calibration	Acenaphthene-d10	9.008	1980149	575329	3.4418	125.7671	120.0000	104.8
Feb1804.D	Calibration	Acenaphthene-d10	8.998	1525106	576774	2.6442	99.0409	100.0000	99.0
Feb1805.D	Calibration	Acenaphthene-d10	8.998	1135235	547996	2.0716	79.2375	75.0000	105.7
Feb1806.D	Calibration	Acenaphthene-d10	8.988	670192	582178	1.1512	46.1993	50.0000	92.4
Feb1807.D	Calibration	Acenaphthene-d10	8.988	84750	529011	0.1602	8.7379	10.0000	87.4
Feb1808.D	Calibration	Acenaphthene-d10	8.988	28496	538819	0.0529	4.5494	4.0000	113.7
Feb1809.D	QC	Acenaphthene-d10	8.998	1166621	544785	2.1414	81.6817	75.0000	108.9

Compound: Fluorene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	9.049	2493155	557793	4.4697	153.8147	150.0000	102.5
Feb1803.D	Calibration	Acenaphthene-d10	9.039	1952030	575329	3.3929	114.4523	120.0000	95.4
Feb1804.D	Calibration	Acenaphthene-d10	9.039	1700560	576774	2.9484	98.6614	100.0000	98.7
Feb1805.D	Calibration	Acenaphthene-d10	9.039	1295239	547996	2.3636	78.2626	75.0000	104.4
Feb1806.D	Calibration	Acenaphthene-d10	9.039	891630	582178	1.5315	49.9319	50.0000	99.9
Feb1807.D	Calibration	Acenaphthene-d10	9.029	167603	529011	0.3168	9.9106	10.0000	99.1
Feb1808.D	Calibration	Acenaphthene-d10	9.029	72029	538819	0.1337	4.0050	4.0000	100.1
Feb1809.D	QC	Acenaphthene-d10	9.039	1266305	544785	2.3244	76.9108	75.0000	102.5

Compound: 4-Chlorophenyl-phenylether

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Acenaphthene-d10	9.080	1110314	557793	1.9905	142.5752	150.0000	95.1
Feb1803.D	Calibration	Acenaphthene-d10	9.080	1017662	575329	1.7688	127.4811	120.0000	106.2
Feb1804.D	Calibration	Acenaphthene-d10	9.080	840611	576774	1.4574	105.9893	100.0000	106.0
Feb1805.D	Calibration	Acenaphthene-d10	9.070	538645	547996	0.9829	72.5483	75.0000	96.7
Feb1806.D	Calibration	Acenaphthene-d10	9.070	359843	582178	0.6181	46.2307	50.0000	92.5
Feb1807.D	Calibration	Acenaphthene-d10	9.070	67338	529011	0.1273	9.9310	10.0000	99.3
Feb1808.D	Calibration	Acenaphthene-d10	9.070	27305	538819	0.0507	4.1666	4.0000	104.2
Feb1809.D	QC	Acenaphthene-d10	9.070	542729	544785	0.9962	73.4968	75.0000	98.0

Compound: 4-Nitroaniline

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	9.162	363865	976452	0.3726	147.4676	150.0000	98.3
Feb1803.D	Calibration	Phenanthrene-d10	9.152	291518	1039609	0.2804	114.2027	120.0000	95.2
Feb1804.D	Calibration	Phenanthrene-d10	9.152	289316	1045119	0.2768	112.8801	100.0000	112.9
Feb1805.D	Calibration	Phenanthrene-d10	9.141	183095	1024056	0.1788	75.7960	75.0000	101.1
Feb1806.D	Calibration	Phenanthrene-d10	9.131	103404	1023524	0.1010	44.9787	50.0000	90.0
Feb1807.D	Calibration	Phenanthrene-d10	9.121	13023	904268	0.0144	8.9648	10.0000	89.6
Feb1808.D	Calibration	Phenanthrene-d10	9.121	3692	920853	0.0040	4.5119	4.0000	112.8
Feb1809.D	QC	Phenanthrene-d10	9.141	174323	958315	0.1819	77.0022	75.0000	102.7

Compound: 4,6-Dinitro-2-methylphenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	9.172	243650	976452	0.2495	147.9207	150.0000	98.6
Feb1803.D	Calibration	Phenanthrene-d10	9.162	200519	1039609	0.1929	121.1232	120.0000	100.9
Feb1804.D	Calibration	Phenanthrene-d10	9.162	167223	1045119	0.1600	104.4162	100.0000	104.4
Feb1805.D	Calibration	Phenanthrene-d10	9.151	103285	1024056	0.1009	71.5834	75.0000	95.4
Feb1806.D	Calibration	Phenanthrene-d10	9.152	68013	1023524	0.0664	50.3401	50.0000	100.7
Feb1807.D	Calibration	Phenanthrene-d10	9.141	7435	904268	0.0082	9.0351	10.0000	90.4
Feb1808.D	Calibration	Phenanthrene-d10	9.141	2191	920853	0.0024	4.3810	4.0000	109.5
Feb1809.D	QC	Phenanthrene-d10	9.151	94058	958315	0.0981	69.9760	75.0000	93.3

Compound: N-nitrosodiphenylamine

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	9.244	1648173	976452	1.6879	148.6623	150.0000	99.1
Feb1803.D	Calibration	Phenanthrene-d10	9.244	1414366	1039609	1.3605	120.7344	120.0000	100.6
Feb1804.D	Calibration	Phenanthrene-d10	9.233	1196082	1045119	1.1444	102.0740	100.0000	102.1
Feb1805.D	Calibration	Phenanthrene-d10	9.233	843058	1024056	0.8233	73.9708	75.0000	98.6
Feb1806.D	Calibration	Phenanthrene-d10	9.233	563505	1023524	0.5506	49.7597	50.0000	99.5
Feb1807.D	Calibration	Phenanthrene-d10	9.223	96753	904268	0.1070	9.6542	10.0000	96.5
Feb1808.D	Calibration	Phenanthrene-d10	9.223	43107	920853	0.0468	4.1405	4.0000	103.5
Feb1809.D	QC	Phenanthrene-d10	9.233	880335	958315	0.9186	82.3616	75.0000	109.8

Compound: Azobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	9.264	2354024	976452	2.4108	151.0311	150.0000	100.7
Feb1803.D	Calibration	Phenanthrene-d10	9.264	1932785	1039609	1.8591	120.2669	120.0000	100.2
Feb1804.D	Calibration	Phenanthrene-d10	9.264	1518549	1045119	1.4530	96.5318	100.0000	96.5
Feb1805.D	Calibration	Phenanthrene-d10	9.264	1137228	1024056	1.1105	75.7023	75.0000	100.9
Feb1806.D	Calibration	Phenanthrene-d10	9.264	757604	1023524	0.7402	52.2283	50.0000	104.5
Feb1807.D	Calibration	Phenanthrene-d10	9.254	90696	904268	0.1003	8.9089	10.0000	89.1
Feb1808.D	Calibration	Phenanthrene-d10	9.254	33003	920853	0.0358	4.3215	4.0000	108.0
Feb1809.D	QC	Phenanthrene-d10	9.264	1088752	958315	1.1361	77.2870	75.0000	103.0

Compound: 2,4,6-Tribromophenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	9.346	230054	976452	0.2356	148.5652	150.0000	99.0
Feb1803.D	Calibration	Phenanthrene-d10	9.346	187319	1039609	0.1802	120.6291	120.0000	100.5
Feb1804.D	Calibration	Phenanthrene-d10	9.336	152661	1045119	0.1461	102.0254	100.0000	102.0
Feb1805.D	Calibration	Phenanthrene-d10	9.336	103422	1024056	0.1010	75.3083	75.0000	100.4
Feb1806.D	Calibration	Phenanthrene-d10	9.336	62354	1023524	0.0609	48.8692	50.0000	97.7
Feb1807.D	Calibration	Phenanthrene-d10	9.336	8236	904268	0.0091	9.0676	10.0000	90.7
Feb1808.D	Calibration	Phenanthrene-d10	9.336	3393	920853	0.0037	4.3844	4.0000	109.6
Feb1809.D	QC	Phenanthrene-d10	9.336	94811	958315	0.0989	74.0198	75.0000	98.7

Compound: 4-Bromophenyl-phenylether

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	9.663	662596	976452	0.6786	146.8992	150.0000	97.9
Feb1803.D	Calibration	Phenanthrene-d10	9.663	589591	1039609	0.5671	126.1586	120.0000	105.1
Feb1804.D	Calibration	Phenanthrene-d10	9.663	457731	1045119	0.4380	100.8595	100.0000	100.9
Feb1805.D	Calibration	Phenanthrene-d10	9.653	291274	1024056	0.2844	68.6730	75.0000	91.6
Feb1806.D	Calibration	Phenanthrene-d10	9.653	215173	1023524	0.2102	52.1333	50.0000	104.3
Feb1807.D	Calibration	Phenanthrene-d10	9.653	33057	904268	0.0366	10.2442	10.0000	102.4
Feb1808.D	Calibration	Phenanthrene-d10	9.653	11110	920853	0.0121	3.9074	4.0000	97.7
Feb1809.D	QC	Phenanthrene-d10	9.653	303382	958315	0.3166	75.6263	75.0000	100.8

Compound: Hexachlorobenzene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	9.694	597870	976452	0.6123	143.5319	150.0000	95.7
Feb1803.D	Calibration	Phenanthrene-d10	9.694	550809	1039609	0.5298	123.9440	120.0000	103.3
Feb1804.D	Calibration	Phenanthrene-d10	9.694	488673	1045119	0.4676	109.2193	100.0000	109.2
Feb1805.D	Calibration	Phenanthrene-d10	9.694	312914	1024056	0.3056	71.1350	75.0000	94.8
Feb1806.D	Calibration	Phenanthrene-d10	9.683	208046	1023524	0.2033	47.2633	50.0000	94.5
Feb1807.D	Calibration	Phenanthrene-d10	9.684	37231	904268	0.0412	9.7111	10.0000	97.1
Feb1808.D	Calibration	Phenanthrene-d10	9.684	15953	920853	0.0173	4.2137	4.0000	105.3
Feb1809.D	QC	Phenanthrene-d10	9.683	307143	958315	0.3205	74.6326	75.0000	99.5

Compound: Pentachlorophenol

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	9.968	342613	976452	0.3509	148.7927	150.0000	99.2
Feb1803.D	Calibration	Phenanthrene-d10	9.968	272170	1039609	0.2618	118.9229	120.0000	99.1
Feb1804.D	Calibration	Phenanthrene-d10	9.968	233937	1045119	0.2238	105.1758	100.0000	105.2
Feb1805.D	Calibration	Phenanthrene-d10	9.968	145556	1024056	0.1421	72.8650	75.0000	97.2
Feb1806.D	Calibration	Phenanthrene-d10	9.968	91759	1023524	0.0897	49.5070	50.0000	99.0
Feb1807.D	Calibration	Phenanthrene-d10	9.958	10893	904268	0.0120	9.1936	10.0000	91.9
Feb1808.D	Calibration	Phenanthrene-d10	9.968	3504	920853	0.0038	4.3365	4.0000	108.4
Feb1809.D	QC	Phenanthrene-d10	9.968	154444	958315	0.1612	80.7752	75.0000	107.7

Compound: Phenanthrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	10.191	3132371	976452	3.2079	146.0003	150.0000	97.3
Feb1803.D	Calibration	Phenanthrene-d10	10.191	2792268	1039609	2.6859	119.6259	120.0000	99.7
Feb1804.D	Calibration	Phenanthrene-d10	10.191	2584992	1045119	2.4734	109.2336	100.0000	109.2
Feb1805.D	Calibration	Phenanthrene-d10	10.181	1733051	1024056	1.6923	72.5377	75.0000	96.7
Feb1806.D	Calibration	Phenanthrene-d10	10.181	1161938	1023524	1.1352	47.6446	50.0000	95.3
Feb1807.D	Calibration	Phenanthrene-d10	10.181	224346	904268	0.2481	9.8851	10.0000	98.9
Feb1808.D	Calibration	Phenanthrene-d10	10.181	99605	920853	0.1082	4.1191	4.0000	103.0
Feb1809.D	QC	Phenanthrene-d10	10.181	1690096	958315	1.7636	75.7953	75.0000	101.1

Compound: Anthracene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	10.252	3071678	976452	3.1458	143.8138	150.0000	95.9
Feb1803.D	Calibration	Phenanthrene-d10	10.252	2712966	1039609	2.6096	119.3027	120.0000	99.4
Feb1804.D	Calibration	Phenanthrene-d10	10.252	2471452	1045119	2.3648	108.1091	100.0000	108.1
Feb1805.D	Calibration	Phenanthrene-d10	10.252	1747621	1024056	1.7066	78.0189	75.0000	104.0
Feb1806.D	Calibration	Phenanthrene-d10	10.242	1092607	1023524	1.0675	48.8025	50.0000	97.6
Feb1807.D	Calibration	Phenanthrene-d10	10.242	191750	904268	0.2120	9.6942	10.0000	96.9
Feb1808.D	Calibration	Phenanthrene-d10	10.242	78978	920853	0.0858	3.9209	4.0000	98.0
Feb1809.D	QC	Phenanthrene-d10	10.242	1595291	958315	1.6647	76.1040	75.0000	101.5

Compound: Triallate

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	10.313	845447	976452	0.8658	149.2795	150.0000	99.5
Feb1803.D	Calibration	Phenanthrene-d10	10.313	696512	1039609	0.6700	120.4325	120.0000	100.4
Feb1804.D	Calibration	Phenanthrene-d10	10.313	570358	1045119	0.5457	101.0679	100.0000	101.1
Feb1805.D	Calibration	Phenanthrene-d10	10.313	391641	1024056	0.3824	74.1071	75.0000	98.8
Feb1806.D	Calibration	Phenanthrene-d10	10.313	255426	1023524	0.2496	50.6533	50.0000	101.3
Feb1807.D	Calibration	Phenanthrene-d10	10.313	31763	904268	0.0351	9.1129	10.0000	91.1
Feb1808.D	Calibration	Phenanthrene-d10	10.313	11113	920853	0.0121	4.3118	4.0000	107.8
Feb1809.D	QC	Phenanthrene-d10	10.313	390681	958315	0.4077	78.3979	75.0000	104.5

Compound: Carbazole

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	10.505	3271481	976452	3.3504	149.5705	150.0000	99.7
Feb1803.D	Calibration	Phenanthrene-d10	10.495	2794889	1039609	2.6884	120.4732	120.0000	100.4
Feb1804.D	Calibration	Phenanthrene-d10	10.495	2334657	1045119	2.2339	100.3730	100.0000	100.4
Feb1805.D	Calibration	Phenanthrene-d10	10.495	1698426	1024056	1.6585	74.7873	75.0000	99.7
Feb1806.D	Calibration	Phenanthrene-d10	10.485	1123980	1023524	1.0981	49.7097	50.0000	99.4
Feb1807.D	Calibration	Phenanthrene-d10	10.485	199440	904268	0.2206	10.1180	10.0000	101.2
Feb1808.D	Calibration	Phenanthrene-d10	10.485	78288	920853	0.0850	3.9681	4.0000	99.2
Feb1809.D	QC	Phenanthrene-d10	10.495	1718160	958315	1.7929	80.7772	75.0000	107.7

Compound: o-Terphenyl

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	10.708	1697837	976452	1.7388	143.8799	150.0000	95.9
Feb1803.D	Calibration	Phenanthrene-d10	10.708	1579903	1039609	1.5197	125.0935	120.0000	104.2
Feb1804.D	Calibration	Phenanthrene-d10	10.708	1358973	1045119	1.3003	106.4761	100.0000	106.5
Feb1805.D	Calibration	Phenanthrene-d10	10.697	906169	1024056	0.8849	71.7460	75.0000	95.7
Feb1806.D	Calibration	Phenanthrene-d10	10.698	609529	1023524	0.5955	47.9400	50.0000	95.9
Feb1807.D	Calibration	Phenanthrene-d10	10.698	111061	904268	0.1228	9.6963	10.0000	97.0
Feb1808.D	Calibration	Phenanthrene-d10	10.698	49755	920853	0.0540	4.1955	4.0000	104.9
Feb1809.D	QC	Phenanthrene-d10	10.697	880627	958315	0.9189	74.5678	75.0000	99.4

Compound: Di-n-Butylphthalate

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	11.083	3446165	976452	3.5293	147.6497	150.0000	98.4
Feb1803.D	Calibration	Phenanthrene-d10	11.082	2864235	1039609	2.7551	121.0143	120.0000	100.8
Feb1804.D	Calibration	Phenanthrene-d10	11.082	2379296	1045119	2.2766	103.4746	100.0000	103.5
Feb1805.D	Calibration	Phenanthrene-d10	11.082	1582606	1024056	1.5454	74.7048	75.0000	99.6
Feb1806.D	Calibration	Phenanthrene-d10	11.072	970759	1023524	0.9484	48.9894	50.0000	98.0
Feb1807.D	Calibration	Phenanthrene-d10	11.072	102631	904268	0.1135	8.3322	10.0000	83.3
Feb1808.D	Calibration	Phenanthrene-d10	11.072	40976	920853	0.0445	4.6518	4.0000	116.3
Feb1809.D	QC	Phenanthrene-d10	11.082	1581866	958315	1.6507	79.0134	75.0000	105.4

Compound: Fluoranthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	11.974	3397461	976452	3.4794	148.7725	150.0000	99.2
Feb1803.D	Calibration	Phenanthrene-d10	11.964	2925734	1039609	2.8143	120.7096	120.0000	100.6
Feb1804.D	Calibration	Phenanthrene-d10	11.964	2487478	1045119	2.3801	102.2753	100.0000	102.3
Feb1805.D	Calibration	Phenanthrene-d10	11.953	1750781	1024056	1.7097	73.6261	75.0000	98.2
Feb1806.D	Calibration	Phenanthrene-d10	11.954	1175583	1023524	1.1486	49.4749	50.0000	98.9
Feb1807.D	Calibration	Phenanthrene-d10	11.943	220272	904268	0.2436	10.1778	10.0000	101.8
Feb1808.D	Calibration	Phenanthrene-d10	11.943	93335	920853	0.1014	3.9622	4.0000	99.1
Feb1809.D	QC	Phenanthrene-d10	11.953	1727903	958315	1.8031	77.6312	75.0000	103.5

Compound: Benzidine

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	12.349	1083722	976452	1.1099	152.2725	150.0000	101.5
Feb1803.D	Calibration	Phenanthrene-d10	12.349	925246	1039609	0.8900	114.7160	120.0000	95.6
Feb1804.D	Calibration	Phenanthrene-d10	12.349	841681	1045119	0.8053	101.7540	100.0000	101.8
Feb1805.D	Calibration	Phenanthrene-d10	12.348	646709	1024056	0.6315	77.0454	75.0000	102.7
Feb1806.D	Calibration	Phenanthrene-d10	12.338	430095	1023524	0.4202	49.7161	50.0000	99.4
Feb1807.D	Calibration	Phenanthrene-d10	12.338	65045	904268	0.0719	9.3957	10.0000	94.0
Feb1808.D	Calibration	Phenanthrene-d10	12.328	22030	920853	0.0239	4.2042	4.0000	105.1
Feb1809.D	QC	Phenanthrene-d10	12.338	590851	958315	0.6166	75.0213	75.0000	100.0

Compound: Pyrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	12.399	3679726	976452	3.7685	149.9738	150.0000	100.0
Feb1803.D	Calibration	Phenanthrene-d10	12.389	3111401	1039609	2.9929	118.6872	120.0000	98.9
Feb1804.D	Calibration	Phenanthrene-d10	12.389	2716593	1045119	2.5993	102.8837	100.0000	102.9
Feb1805.D	Calibration	Phenanthrene-d10	12.379	1900991	1024056	1.8563	73.1770	75.0000	97.6
Feb1806.D	Calibration	Phenanthrene-d10	12.379	1308067	1023524	1.2780	50.1685	50.0000	100.3
Feb1807.D	Calibration	Phenanthrene-d10	12.369	240962	904268	0.2665	10.1636	10.0000	101.6
Feb1808.D	Calibration	Phenanthrene-d10	12.369	100018	920853	0.1086	3.9475	4.0000	98.7
Feb1809.D	QC	Phenanthrene-d10	12.379	1840668	958315	1.9207	75.7452	75.0000	101.0

Compound: Terphenyl-d14

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Phenanthrene-d10	12.885	2533921	976452	2.5950	152.1715	150.0000	101.4
Feb1803.D	Calibration	Phenanthrene-d10	12.885	2133936	1039609	2.0526	120.3656	120.0000	100.3
Feb1804.D	Calibration	Phenanthrene-d10	12.885	1793874	1045119	1.7164	100.6508	100.0000	100.7
Feb1805.D	Calibration	Phenanthrene-d10	12.875	1286275	1024056	1.2561	73.6549	75.0000	98.2
Feb1806.D	Calibration	Phenanthrene-d10	12.875	851147	1023524	0.8316	48.7638	50.0000	97.5
Feb1807.D	Calibration	Phenanthrene-d10	12.865	148383	904268	0.1641	9.6223	10.0000	96.2
Feb1808.D	Calibration	Phenanthrene-d10	12.865	66357	920853	0.0721	4.2256	4.0000	105.6
Feb1809.D	QC	Phenanthrene-d10	12.875	1184579	958315	1.2361	72.4848	75.0000	96.6

Compound: Butylbenzylphthalate

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Chrysene-d12	14.337	1276176	738370	1.7284	146.7579	150.0000	97.8
Feb1803.D	Calibration	Chrysene-d12	14.326	1038779	762297	1.3627	123.2154	120.0000	102.7
Feb1804.D	Calibration	Chrysene-d12	14.326	817626	760735	1.0748	102.9690	100.0000	103.0
Feb1805.D	Calibration	Chrysene-d12	14.316	511792	719604	0.7112	74.4763	75.0000	99.3
Feb1806.D	Calibration	Chrysene-d12	14.316	305113	738511	0.4131	47.6282	50.0000	95.3
Feb1807.D	Calibration	Chrysene-d12	14.296	40092	657154	0.0610	9.1160	10.0000	91.2
Feb1808.D	Calibration	Chrysene-d12	14.296	16114	663666	0.0243	4.4368	4.0000	110.9
Feb1809.D	QC	Chrysene-d12	14.316	535896	682685	0.7850	80.5784	75.0000	107.4

Compound: Benzo(a)Anthracene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Chrysene-d12	15.543	2842112	738370	3.8492	149.7505	150.0000	99.8
Feb1803.D	Calibration	Chrysene-d12	15.532	2429458	762297	3.1870	123.9899	120.0000	103.3
Feb1804.D	Calibration	Chrysene-d12	15.522	2034255	760735	2.6741	104.0334	100.0000	104.0
Feb1805.D	Calibration	Chrysene-d12	15.512	1426052	719604	1.9817	77.0979	75.0000	102.8
Feb1806.D	Calibration	Chrysene-d12	15.512	944328	738511	1.2787	49.7470	50.0000	99.5
Feb1807.D	Calibration	Chrysene-d12	15.492	157876	657154	0.2402	9.3465	10.0000	93.5
Feb1808.D	Calibration	Chrysene-d12	15.492	66223	663666	0.0998	3.8821	4.0000	97.1
Feb1809.D	QC	Chrysene-d12	15.512	1445216	682685	2.1170	82.3594	75.0000	109.8

Compound: Chrysene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Chrysene-d12	15.655	3033845	738370	4.1088	147.3118	150.0000	98.2
Feb1803.D	Calibration	Chrysene-d12	15.645	2630114	762297	3.4502	122.2787	120.0000	101.9
Feb1804.D	Calibration	Chrysene-d12	15.645	2211531	760735	2.9071	102.0757	100.0000	102.1
Feb1805.D	Calibration	Chrysene-d12	15.624	1551059	719604	2.1554	74.7328	75.0000	99.6
Feb1806.D	Calibration	Chrysene-d12	15.624	1050170	738511	1.4220	48.6971	50.0000	97.4
Feb1807.D	Calibration	Chrysene-d12	15.594	193047	657154	0.2938	9.7877	10.0000	97.9
Feb1808.D	Calibration	Chrysene-d12	15.594	83685	663666	0.1261	4.1164	4.0000	102.9
Feb1809.D	QC	Chrysene-d12	15.624	1558124	682685	2.2823	79.3013	75.0000	105.7

Compound: 3,3-Dichlorobenzidine

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Chrysene-d12	15.706	1089020	738370	1.4749	145.8673	150.0000	97.2
Feb1803.D	Calibration	Chrysene-d12	15.696	921207	762297	1.2085	123.4767	120.0000	102.9
Feb1804.D	Calibration	Chrysene-d12	15.696	749360	760735	0.9850	103.7644	100.0000	103.8
Feb1805.D	Calibration	Chrysene-d12	15.686	486419	719604	0.6760	74.8233	75.0000	99.8
Feb1806.D	Calibration	Chrysene-d12	15.675	299783	738511	0.4059	47.6188	50.0000	95.2
Feb1807.D	Calibration	Chrysene-d12	15.655	35676	657154	0.0543	8.7092	10.0000	87.1
Feb1808.D	Calibration	Chrysene-d12	15.655	12724	663666	0.0192	4.5577	4.0000	113.9
Feb1809.D	QC	Chrysene-d12	15.675	412447	682685	0.6042	67.7817	75.0000	90.4

Compound: bis(2-ethylhexyl)Phthalate

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Chrysene-d12	16.391	446103	738370	0.6042	146.9804	150.0000	98.0
Feb1803.D	Calibration	Chrysene-d12	16.381	364319	762297	0.4779	124.1299	120.0000	103.4
Feb1804.D	Calibration	Chrysene-d12	16.381	275164	760735	0.3617	100.9022	100.0000	100.9
Feb1805.D	Calibration	Chrysene-d12	16.370	177810	719604	0.2471	75.1376	75.0000	100.2
Feb1806.D	Calibration	Chrysene-d12	16.370	104536	738511	0.1415	47.6952	50.0000	95.4
Feb1807.D	Calibration	Chrysene-d12	16.360	15117	657154	0.0230	9.4865	10.0000	94.9
Feb1808.D	Calibration	Chrysene-d12	16.360	6272	663666	0.0095	4.2962	4.0000	107.4
Feb1809.D	QC	Chrysene-d12	16.370	177710	682685	0.2603	78.2900	75.0000	104.4

Compound: Di-n-octyl Phthalate

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Perylene-d12	18.153	3050804	481121	6.3410	147.3012	150.0000	98.2
Feb1803.D	Calibration	Perylene-d12	18.143	2494942	510577	4.8865	121.1100	120.0000	100.9
Feb1804.D	Calibration	Perylene-d12	18.143	1958854	488188	4.0125	104.0154	100.0000	104.0
Feb1805.D	Calibration	Perylene-d12	18.132	1227671	451626	2.7183	76.2190	75.0000	101.6
Feb1806.D	Calibration	Perylene-d12	18.133	706918	469307	1.5063	46.4377	50.0000	92.9
Feb1807.D	Calibration	Perylene-d12	18.123	98225	409570	0.2398	9.0329	10.0000	90.3
Feb1808.D	Calibration	Perylene-d12	18.123	42821	406987	0.1052	4.4834	4.0000	112.1
Feb1809.D	QC	Perylene-d12	18.133	1235233	436518	2.8297	78.7517	75.0000	105.0

Compound: Benzo(b)fluoranthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Perylene-d12	18.396	2701361	481121	5.6147	147.7569	150.0000	98.5
Feb1803.D	Calibration	Perylene-d12	18.386	2384843	510577	4.6709	120.7133	120.0000	100.6
Feb1804.D	Calibration	Perylene-d12	18.386	1951128	488188	3.9967	102.0750	100.0000	102.1
Feb1805.D	Calibration	Perylene-d12	18.375	1375648	451626	3.0460	76.6560	75.0000	102.2
Feb1806.D	Calibration	Perylene-d12	18.365	908237	469307	1.9353	48.1054	50.0000	96.2
Feb1807.D	Calibration	Perylene-d12	18.355	146871	409570	0.3586	9.4383	10.0000	94.4
Feb1808.D	Calibration	Perylene-d12	18.345	57119	406987	0.1403	4.2415	4.0000	106.0
Feb1809.D	QC	Perylene-d12	18.376	1337400	436518	3.0638	77.1232	75.0000	102.8

Compound: Benzo(k)fluoranthene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Perylene-d12	18.467	2958362	481121	6.1489	149.1473	150.0000	99.4
Feb1803.D	Calibration	Perylene-d12	18.457	2491030	510577	4.8789	117.5947	120.0000	98.0
Feb1804.D	Calibration	Perylene-d12	18.457	2129075	488188	4.3612	104.8718	100.0000	104.9
Feb1805.D	Calibration	Perylene-d12	18.446	1413651	451626	3.1301	74.9266	75.0000	99.9
Feb1806.D	Calibration	Perylene-d12	18.436	956185	469307	2.0374	48.7004	50.0000	97.4
Feb1807.D	Calibration	Perylene-d12	18.406	156598	409570	0.3823	9.5815	10.0000	95.8
Feb1808.D	Calibration	Perylene-d12	18.406	61699	406987	0.1516	4.1837	4.0000	104.6
Feb1809.D	QC	Perylene-d12	18.436	1401698	436518	3.2111	76.8826	75.0000	102.5

Compound: Benzo(a)pyrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Perylene-d12	19.004	2621643	481121	5.4490	147.4984	150.0000	98.3
Feb1803.D	Calibration	Perylene-d12	18.993	2323286	510577	4.5503	122.2376	120.0000	101.9
Feb1804.D	Calibration	Perylene-d12	18.993	1849719	488188	3.7889	101.2295	100.0000	101.2
Feb1805.D	Calibration	Perylene-d12	18.983	1275566	451626	2.8244	75.1028	75.0000	100.1
Feb1806.D	Calibration	Perylene-d12	18.973	873144	469307	1.8605	49.5090	50.0000	99.0
Feb1807.D	Calibration	Perylene-d12	18.953	122603	409570	0.2993	9.0742	10.0000	90.7
Feb1808.D	Calibration	Perylene-d12	18.953	46309	406987	0.1138	4.3474	4.0000	108.7
Feb1809.D	QC	Perylene-d12	18.983	1242141	436518	2.8456	75.6708	75.0000	100.9

Compound: Indeno(1,2,3-c,d)pyrene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Perylene-d12	20.776	2181733	481121	4.5347	147.0742	150.0000	98.0
Feb1803.D	Calibration	Perylene-d12	20.765	1895312	510577	3.7121	119.1149	120.0000	99.3
Feb1804.D	Calibration	Perylene-d12	20.765	1633072	488188	3.3452	106.8898	100.0000	106.9
Feb1805.D	Calibration	Perylene-d12	20.755	1059042	451626	2.3450	74.2839	75.0000	99.0
Feb1806.D	Calibration	Perylene-d12	20.745	711904	469307	1.5169	48.0345	50.0000	96.1
Feb1807.D	Calibration	Perylene-d12	20.725	105841	409570	0.2584	9.3155	10.0000	93.2
Feb1808.D	Calibration	Perylene-d12	20.725	37542	406987	0.0922	4.3025	4.0000	107.6
Feb1809.D	QC	Perylene-d12	20.755	1059011	436518	2.4260	76.8896	75.0000	102.5

Compound: Dibenzo(a,h)anthracene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Perylene-d12	20.836	2406140	481121	5.0011	147.0838	150.0000	98.1
Feb1803.D	Calibration	Perylene-d12	20.836	2141448	510577	4.1942	122.7774	120.0000	102.3
Feb1804.D	Calibration	Perylene-d12	20.826	1675258	488188	3.4316	100.1029	100.0000	100.1
Feb1805.D	Calibration	Perylene-d12	20.816	1205859	451626	2.6700	77.7360	75.0000	103.6
Feb1806.D	Calibration	Perylene-d12	20.816	767418	469307	1.6352	47.7678	50.0000	95.5
Feb1807.D	Calibration	Perylene-d12	20.796	114340	409570	0.2792	9.2034	10.0000	92.0
Feb1808.D	Calibration	Perylene-d12	20.796	43122	406987	0.1060	4.3328	4.0000	108.3
Feb1809.D	QC	Perylene-d12	20.816	1185669	436518	2.7162	79.0840	75.0000	105.4

Compound: Benzo(g,h,i)perylene

Data File	Sample Type	ISTD	RT	Resp	ISTD Resp	Resp Ratio	Final Conc	Exp. Conc	Accuracy
Feb1802.D	Calibration	Perylene-d12	21.110	2544345	481121	5.2884	147.4139	150.0000	98.3
Feb1803.D	Calibration	Perylene-d12	21.110	2227367	510577	4.3625	120.9102	120.0000	100.8
Feb1804.D	Calibration	Perylene-d12	21.100	1825037	488188	3.7384	103.2475	100.0000	103.2
Feb1805.D	Calibration	Perylene-d12	21.089	1242728	451626	2.7517	75.6388	75.0000	100.9
Feb1806.D	Calibration	Perylene-d12	21.079	822853	469307	1.7533	48.0870	50.0000	96.2
Feb1807.D	Calibration	Perylene-d12	21.059	135480	409570	0.3308	9.4619	10.0000	94.6
Feb1808.D	Calibration	Perylene-d12	21.059	55564	406987	0.1365	4.2432	4.0000	106.1
Feb1809.D	QC	Perylene-d12	21.089	1251600	436518	2.8672	78.8525	75.0000	105.1

Initial Calibration Report - Instrument #1

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Method Path
Method File
Batch Name \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin
Last Calib Update 2/19/2022 1:06:17 PM

Level Name	Calibration Files	Acq. Date-Time	Level Last Update Time
7	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	2/19/2022 8:21:26 AM	2/19/2022 1:06:16 PM
6	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	2/19/2022 8:53:27 AM	2/19/2022 1:06:16 PM
5	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	2/19/2022 9:25:44 AM	2/19/2022 1:06:16 PM
4	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	2/19/2022 9:57:53 AM	2/19/2022 1:06:16 PM
3	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	2/19/2022 10:43:35 AM	2/19/2022 1:06:16 PM
2	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	2/19/2022 11:15:42 AM	2/19/2022 1:06:16 PM
1	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	2/19/2022 11:48:03 AM	2/19/2022 1:06:16 PM

Compound	Curve Fit	7	6	5	4	3	2	1	Avg RF	%RSD
I 1,4-Dichlorobenzene-d4				---------- ISTD ----------						
T N-Nitrosodimethylamine	Quadratic	0.3243	0.2985	0.3195	0.2839	0.2598	0.2745	0.2922	0.2933	7.920
T Pyridine	Quadratic	0.7400	0.7709	0.7570	0.7078	0.6954	0.5631	0.7097	0.7063	9.764
S 2-Fluorophenol	Quadratic	0.9652	0.9672	0.9894	0.9310	0.9149	0.7633	0.8362	0.9096	8.981
T Aniline	Quadratic	1.6183	1.7427	1.7633	1.6994	1.6913	1.4653	1.3997	1.6257	8.672
S Phenol-d5	Quadratic	1.1687	1.2283	1.2248	1.2055	1.1921	1.0304	0.9307	1.1401	10.041
T Phenol	Quadratic	1.3100	1.4181	1.3590	1.3439	1.3019	1.1283	0.9997	1.2658	11.671
T bis(-2-Chloroethyl)Ether	Quadratic	0.8789	0.9175	0.9138	0.9252	0.8869	0.8019	0.7334	0.8654	8.272
T 2-Chlorophenol	Quadratic	1.0047	1.0717	1.0957	1.0809	1.0411	0.9391	0.7975	1.0044	10.534
T 1,3-Dichlorobenzene	Quadratic	1.2427	1.3513	1.3655	1.3980	1.3518	1.4120	1.4959	1.3739	5.575
T 1,4-Dichlorobenzene	Quadratic	1.2104	1.3158	1.3688	1.4187	1.3711	1.4187	1.5822	1.3837	8.181
T 1,2-Dichlorobenzene	Quadratic	1.2271	1.2910	1.3203	1.3567	1.3485	1.3749	1.3615	1.3257	3.914
T Benzyl Alcohol	Quadratic	0.6020	0.6253	0.5918	0.5392	0.4699	0.3878	0.3950	0.5159	19.194 #
T bis(2-chloroisopropyl)Ether	Quadratic	0.3319	0.3696	0.3613	0.3620	0.3542	0.3332	0.3281	0.3486	4.900
T 2-Methylphenol	Quadratic	0.8871	0.9653	0.9660	0.9080	0.9176	0.8346	0.8032	0.8974	6.863
T N-nitroso-Di-n-propylamine	Quadratic	0.6999	0.6577	0.6507	0.6439	0.6514	0.5027	0.4578	0.6092	14.921
T 4Methylphenol/3Methylphenol	Quadratic	1.2025	1.2416	1.2962	1.3107	1.2436	1.0986	1.2087	1.2288	5.725
T Hexachloroethane	Quadratic	0.4085	0.4345	0.4271	0.4092	0.3901	0.3750	0.3803	0.4035	5.640
S Nitrobenzene-d5	Quadratic	0.6738	0.7051	0.6994	0.6766	0.6385	0.5658	0.5477	0.6438	9.855
T Nitrobenzene	Quadratic	0.3037	0.3419	0.3675	0.3213	0.3380	0.2251	0.2271	0.3035	18.579 #
I Naphthalene-d8				---------- ISTD ----------						
T Isophorone	Quadratic	0.5465	0.5747	0.5618	0.5685	0.5191	0.4128	0.4001	0.5119	14.530
T 2-Nitrophenol	Quadratic	0.1353	0.1435	0.1351	0.1189	0.1098	0.0819	0.0806	0.1150	22.302 #
T 2,4-Dimethylphenol	Quadratic	0.2318	0.2583	0.2769	0.2594	0.2341	0.2242	0.2465	0.2473	7.547
T bis(-2-Chloroethoxy)Methane	Quadratic	0.3237	0.3515	0.3287	0.3054	0.3191	0.2544	0.2255	0.3012	14.879
T 2,4-Dichlorophenol	Quadratic	0.2385	0.2626	0.2535	0.2467	0.2279	0.2020	0.1870	0.2312	11.968
T Benzoic Acid	Quadratic	0.1546	0.1639	0.1346	0.1378	0.1136	0.0792	0.0964	0.1257	24.477 #
T 1,2,4-Trichlorobenzene	Quadratic	0.2717	0.2827	0.2929	0.3058	0.2873	0.2929	0.2949	0.2898	3.689
T Naphthalene	Quadratic	0.7728	0.8518	0.8781	0.9143	0.8359	0.9141	0.9968	0.8805	8.060
T 4-Chlorophenol	Quadratic	0.0920	0.0950	0.0936	0.0932	0.0880	0.0989	0.1046	0.0950	5.611

Compound	Curve Fit	7	6	5	4	3	2	1	Avg RF	%RSD
T p-Chloroaniline	Quadratic	0.3270	0.3312	0.3290	0.3634	0.3412	0.3015	0.3243	0.3311	5.643
T Hexachlorobutadiene	Quadratic	0.1525	0.1551	0.1593	0.1580	0.1416	0.1424	0.1527	0.1517	4.655
T 4-Chloro-2-Methylphenol	Quadratic	0.2102	0.2334	0.2337	0.2373	0.2063	0.2198	0.2248	0.2236	5.416
T 4-Chloro-3-Methylphenol	Avg RF	0.2313	0.2464	0.2380	0.2403	0.2348	0.2169	0.2593	0.2382	5.503
T 2-Methylnaphthalene	Quadratic	0.5147	0.5015	0.4997	0.4874	0.5050	0.5510	0.5933	0.5218	7.165
T 1-Methylnaphthalene	Quadratic	0.4888	0.4964	0.4710	0.4720	0.5060	0.5379	0.5952	0.5096	8.652
I Acenaphthene-d10				---------- ISTD ----------						
T Hexachlorocyclopentadiene	Quadratic	0.1727	0.1710	0.1809	0.1707	0.1553	0.1046	0.0784	0.1477	26.976 #
T 2,4,6-Trichlorophenol	Quadratic	0.2836	0.3161	0.3240	0.2906	0.2560	0.2045	0.1714	0.2637	21.667 #
T 2,4,5-Trichlorophenol	Quadratic	0.3276	0.3404	0.3341	0.3418	0.3069	0.2512	0.2523	0.3078	12.992
S 2-Fluorobiphenyl	Quadratic	1.1777	1.2010	1.2690	1.1597	1.1550	1.2126	1.3227	1.2140	5.074
T 2-Chloronaphthalene	Avg RF	0.9804	0.9694	1.0017	1.0565	0.9983	1.0080	1.0026	1.0024	2.748
T 2-Nitroaniline	Quadratic	0.1704	0.1974	0.1987	0.1636	0.1669	0.1119	0.1126	0.1602	22.249 #
T Dimethyl Phthalate	Quadratic	1.0613	1.0401	1.0289	1.0856	0.9048	0.6466	0.6475	0.9164	21.030 #
T 2,6-Dinitrotoluene	Quadratic	0.1307	0.1566	0.1370	0.1392	0.1274	0.0987	0.0838	0.1248	20.091 #
T Acenaphthylene	Quadratic	1.5869	1.6155	1.5799	1.5867	1.6429	1.4697	1.4727	1.5649	4.319
T 3-Nitroaniline	Quadratic	0.1573	0.1791	0.1622	0.1608	0.1365	0.0963	0.0812	0.1390	26.453 #
T Acenaphthene	Quadratic	0.8814	0.8711	0.8866	0.9469	0.9545	0.9511	1.0247	0.9309	5.886
T 2,4-Dinitrophenol	Quadratic	0.0827	0.0800	0.0778	0.0680	0.0602	0.0284	0.0114	0.0584	47.626 #
T Dibenzofuran	Quadratic	1.3592	1.4158	1.4830	1.6492	1.4221	1.5184	1.6411	1.4984	7.500
T 2,4-Dinitrotoluene	Quadratic	0.1901	0.1905	0.1813	0.1732	0.1592	0.1080	0.1184	0.1601	21.171 #
T 4-Nitrophenol	Quadratic	0.1763	0.1893	0.1795	0.1716	0.1494	0.1132	0.0728	0.1503	28.341 #
T Diethylphthalate	Quadratic	1.0786	1.1473	1.0577	1.1049	0.9209	0.6408	0.5289	0.9256	26.488 #
T Fluorene	Quadratic	1.1919	1.1310	1.1794	1.2606	1.2252	1.2673	1.3368	1.2274	5.519
T 4-Chlorophenyl-phenylether	Quadratic	0.5308	0.5896	0.5830	0.5242	0.4945	0.5092	0.5067	0.5340	7.056
I Phenanthrene-d10				---------- ISTD ----------						
T 4-Nitroaniline	Quadratic	0.0994	0.0935	0.1107	0.0954	0.0808	0.0576	0.0401	0.0825	30.459 #
T 4,6-Dinitro-2-methylphenol	Quadratic	0.0665	0.0643	0.0640	0.0538	0.0532	0.0329	0.0238	0.0512	32.554 #
T N-nitrosodiphenylamine	Quadratic	0.4501	0.4535	0.4578	0.4391	0.4404	0.4280	0.4681	0.4481	2.983
T Azobenzene	Quadratic	0.6429	0.6197	0.5812	0.5923	0.5922	0.4012	0.3584	0.5411	20.844 #
S 2,4,6-Tribromophenol	Quadratic	0.0628	0.0601	0.0584	0.0539	0.0487	0.0364	0.0368	0.0510	21.212 #
T 4-Bromophenyl-phenylether	Quadratic	0.1810	0.1890	0.1752	0.1517	0.1682	0.1462	0.1206	0.1617	14.650
T Hexachlorobenzene	Quadratic	0.1633	0.1766	0.1870	0.1630	0.1626	0.1647	0.1732	0.1701	5.483
T Pentachlorophenol	Quadratic	0.0936	0.0873	0.0895	0.0758	0.0717	0.0482	0.0381	0.0720	29.670 #
T Phenanthrene	Quadratic	0.8554	0.8953	0.9894	0.9026	0.9082	0.9924	1.0817	0.9464	8.244
T Anthracene	Avg RF	0.8389	0.8699	0.9459	0.9102	0.8540	0.8482	0.8577	0.8750	4.440
T Triallate	Quadratic	0.2309	0.2233	0.2183	0.2040	0.1996	0.1405	0.1207	0.1910	22.533 #
T Carbazole	Quadratic	0.8934	0.8961	0.8935	0.8845	0.8785	0.8822	0.8502	0.8827	1.787
T o-Terphenyl	Quadratic	0.4637	0.5066	0.5201	0.4719	0.4764	0.4913	0.5403	0.4958	5.637
T Di-n-Butylphthalate	Quadratic	0.9411	0.9184	0.9106	0.8242	0.7588	0.4540	0.4450	0.7503	28.634 #
T Fluoranthene	Quadratic	0.9278	0.9381	0.9520	0.9118	0.9189	0.9744	1.0136	0.9481	3.772
T Benzidine	Quadratic	0.2960	0.2967	0.3221	0.3368	0.3362	0.2877	0.2392	0.3021	11.300
T Pyrene	Quadratic	1.0049	0.9976	1.0397	0.9900	1.0224	1.0659	1.0861	1.0295	3.517

Compound	Curve Fit	7	6	5	4	3	2	1	Avg RF	%RSD
S Terphenyl-d14	Avg RF	0.6920	0.6842	0.6866	0.6699	0.6653	0.6564	0.7206	0.6821	3.110
I Chrysene-d12				---------- ISTD ----------						
T Butylbenzylphthalate	Quadratic	0.4609	0.4542	0.4299	0.3793	0.3305	0.2440	0.2428	0.3631	25.715 #
T Benzo(a)Anthracene	Avg RF	1.0264	1.0623	1.0696	1.0569	1.0230	0.9610	0.9978	1.0282	3.804
T Chrysene	Quadratic	1.0957	1.1501	1.1628	1.1496	1.1376	1.1750	1.2610	1.1617	4.340
T 3,3-Dichlorobenzidine	Quadratic	0.3933	0.4028	0.3940	0.3605	0.3247	0.2172	0.1917	0.3263	26.870 #
T bis(2-ethylhexyl)Phthalate	Quadratic	0.1611	0.1593	0.1447	0.1318	0.1132	0.0920	0.0945	0.1281	22.546 #
I Perylene-d12				---------- ISTD ----------						
T Di-n-octyl Phthalate	Quadratic	1.6909	1.6288	1.6050	1.4498	1.2050	0.9593	1.0522	1.3702	21.661 #
T Benzo(b)fluoranthene	Quadratic	1.4973	1.5570	1.5987	1.6245	1.5482	1.4344	1.4035	1.5234	5.402
T Benzo(k)fluoranthene	Quadratic	1.6397	1.6263	1.7445	1.6694	1.6300	1.5294	1.5160	1.6222	4.870
T Benzo(a)pyrene	Quadratic	1.4531	1.5168	1.5156	1.5063	1.4884	1.1974	1.1378	1.4022	11.598
T Indeno(1,2,3-c,d)pyrene	Quadratic	1.2093	1.2374	1.3381	1.2506	1.2135	1.0337	0.9224	1.1721	12.194
T Dibenzo(a,h)anthracene	Quadratic	1.3336	1.3981	1.3726	1.4240	1.3082	1.1167	1.0596	1.2875	11.066
T Benzo(g,h,i)perylene	Quadratic	1.4102	1.4542	1.4954	1.4676	1.4027	1.3231	1.3652	1.4169	4.256

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Compounds with Curve fitting not using Avg Response Factor:

Compound	Curve Fit	Curve Fit Formula	Curve Fit R2
T N-Nitrosodimethylamine	Quadratic	y = 0.021792 * x ^ 2 + 0.241995 * x + 0.004989	0.998173
T Pyridine	Quadratic	y = 0.020939 * x ^ 2 + 0.685055 * x - 0.007221	0.998401
S 2-Fluorophenol	Quadratic	y = 0.017637 * x ^ 2 + 0.917012 * x - 0.016913	0.999247
T Aniline	Quadratic	y = -0.040399 * x ^ 2 + 1.831027 * x - 0.056516	0.998821
S Phenol-d5	Quadratic	y = -0.017215 * x ^ 2 + 1.265785 * x - 0.040467	0.999501
T Phenol	Quadratic	y = -0.006340 * x ^ 2 + 1.386108 * x - 0.046604	0.998724
T bis(-2-Chloroethyl)Ether	Quadratic	y = -0.014228 * x ^ 2 + 0.952888 * x - 0.026423	0.999569
T 2-Chlorophenol	Quadratic	y = -0.032160 * x ^ 2 + 1.160360 * x - 0.041785	0.999122
T 1,3-Dichlorobenzene	Quadratic	y = -0.057787 * x ^ 2 + 1.490596 * x - 0.004997	0.999132
T 1,4-Dichlorobenzene	Quadratic	y = -0.081700 * x ^ 2 + 1.543892 * x - 0.005009	0.999030
T 1,2-Dichlorobenzene	Quadratic	y = -0.058444 * x ^ 2 + 1.460442 * x - 0.012206	0.999839
T Benzyl Alcohol	Quadratic	y = 0.044827 * x ^ 2 + 0.462709 * x - 0.012139	0.997337
T bis(2-chloroisopropyl)Ether	Quadratic	y = -0.011494 * x ^ 2 + 0.388854 * x - 0.008302	0.998438
T 2-Methylphenol	Quadratic	y = -0.014016 * x ^ 2 + 0.975891 * x - 0.022715	0.998349
T N-nitroso-Di-n-propylamine	Quadratic	y = 0.022209 * x ^ 2 + 0.611394 * x - 0.018264	0.999422
T 4Methylphenol/3Methylphenol	Quadratic	y = -0.035283 * x ^ 2 + 1.359332 * x - 0.028435	0.998951
T Hexachloroethane	Quadratic	y = 0.004140 * x ^ 2 + 0.407110 * x - 0.004762	0.998655
S Nitrobenzene-d5	Quadratic	y = 0.006260 * x ^ 2 + 0.672525 * x - 0.017167	0.998985
T Nitrobenzene	Quadratic	y = -0.014810 * x ^ 2 + 0.381147 * x - 0.021730	0.994287
T Isophorone	Quadratic	y = 0.001256 * x ^ 2 + 0.561832 * x - 0.022361	0.998623
T 2-Nitrophenol	Quadratic	y = 0.009548 * x ^ 2 + 0.107176 * x - 0.004080	0.996605
T 2,4-Dimethylphenol	Quadratic	y = -0.008071 * x ^ 2 + 0.276433 * x - 0.006190	0.994642
T bis(-2-Chloroethoxy)Methane	Quadratic	y = 0.005370 * x ^ 2 + 0.317578 * x - 0.011206	0.997681
T 2,4-Dichlorophenol	Quadratic	y = 4.418395E-004 * x ^ 2 + 0.249497 * x - 0.008193	0.997504
T Benzoic Acid	Quadratic	y = 0.015492 * x ^ 2 + 0.103952 * x - 0.002742	0.994758
T 1,2,4-Trichlorobenzene	Quadratic	y = -0.011761 * x ^ 2 + 0.319441 * x - 0.003556	0.999271
T Naphthalene	Quadratic	y = -0.045271 * x ^ 2 + 0.967369 * x - 0.001945	0.997876
T 4-Chlorophenol	Quadratic	y = 8.832489E-004 * x ^ 2 + 0.089781 * x + 0.001564	0.999409
T p-Chloroaniline	Quadratic	y = -0.010190 * x ^ 2 + 0.366115 * x - 0.007070	0.998721
T Hexachlorobutadiene	Quadratic	y = 0.001101 * x ^ 2 + 0.151420 * x - 7.574592E-004	0.998681
T 4-Chloro-2-Methylphenol	Quadratic	y = -0.005202 * x ^ 2 + 0.239882 * x - 0.002907	0.996463
T 2-Methylnaphthalene	Quadratic	y = 0.009705 * x ^ 2 + 0.470873 * x + 0.014272	0.999780
T 1-Methylnaphthalene	Quadratic	y = 0.003735 * x ^ 2 + 0.470302 * x + 0.013933	0.999258
T Hexachlorocyclopentadiene	Quadratic	y = 0.002421 * x ^ 2 + 0.169469 * x - 0.011228	0.998244
T 2,4,6-Trichlorophenol	Quadratic	y = 0.002039 * x ^ 2 + 0.298677 * x - 0.016564	0.993903
T 2,4,5-Trichlorophenol	Quadratic	y = 0.001705 * x ^ 2 + 0.331601 * x - 0.011548	0.998610
S 2-Fluorobiphenyl	Quadratic	y = 0.005157 * x ^ 2 + 1.177766 * x + 0.011490	0.998583
T 2-Nitroaniline	Quadratic	y = 0.001296 * x ^ 2 + 0.181434 * x - 0.010093	0.991068
T Dimethyl Phthalate	Quadratic	y = 0.029806 * x ^ 2 + 0.971876 * x - 0.046998	0.997615
T 2,6-Dinitrotoluene	Quadratic	y = -2.911298E-004 * x ^ 2 + 0.142893 * x - 0.007548	0.993031
T Acenaphthylene	Quadratic	y = -0.010001 * x ^ 2 + 1.633544 * x - 0.021625	0.999749
T 3-Nitroaniline	Quadratic	y = 0.004389 * x ^ 2 + 0.153444 * x - 0.009589	0.994163
T Acenaphthene	Quadratic	y = -0.029072 * x ^ 2 + 0.976289 * x + 0.003199	0.999473

T 2,4-Dinitrophenol	Quadratic	y = 0.007709 * x ^ 2 + 0.057277 * x - 0.005537	0.998660
T Dibenzofuran	Quadratic	y = -0.078813 * x ^ 2 + 1.671612 * x - 0.012833	0.996920
T 2,4-Dinitrotoluene	Quadratic	y = 0.011306 * x ^ 2 + 0.153402 * x - 0.005936	0.998888
T 4-Nitrophenol	Quadratic	y = 0.006262 * x ^ 2 + 0.163430 * x - 0.010503	0.997220
T Diethylphthalate	Quadratic	y = 0.031919 * x ^ 2 + 1.014290 * x - 0.062887	0.996790
T Fluorene	Quadratic	y = -0.023000 * x ^ 2 + 1.248480 * x + 0.008905	0.998810
T 4-Chlorophenyl-phenylether	Quadratic	y = 0.008736 * x ^ 2 + 0.528573 * x - 0.004479	0.995687
T 4-Nitroaniline	Quadratic	y = 0.002828 * x ^ 2 + 0.092399 * x - 0.006449	0.992581
T 4,6-Dinitro-2-methylphenol	Quadratic	y = 0.005374 * x ^ 2 + 0.048411 * x - 0.002987	0.998476
T N-nitrosodiphenylamine	Quadratic	y = 0.005065 * x ^ 2 + 0.434868 * x + 0.001743	0.999757
T Azobenzene	Quadratic	y = 0.024057 * x ^ 2 + 0.554092 * x - 0.024304	0.999050
S 2,4,6-Tribromophenol	Quadratic	y = 0.005166 * x ^ 2 + 0.044588 * x - 0.001265	0.999519
T 4-Bromophenyl-phenylether	Quadratic	y = 0.009322 * x ^ 2 + 0.151303 * x - 0.002804	0.996940
T Hexachlorobenzene	Quadratic	y = -8.088242E-004 * x ^ 2 + 0.173809 * x - 9.761810E-004	0.995919
T Pentachlorophenol	Quadratic	y = 0.008092 * x ^ 2 + 0.065126 * x - 0.003350	0.998609
T Phenanthrene	Quadratic	y = -0.028459 * x ^ 2 + 0.980706 * x + 0.007476	0.997405
T Triallate	Quadratic	y = 0.012405 * x ^ 2 + 0.187943 * x - 0.008336	0.999700
T Carbazole	Quadratic	y = 0.004446 * x ^ 2 + 0.879996 * x - 0.002325	0.999978
T o-Terphenyl	Quadratic	y = -0.005292 * x ^ 2 + 0.502035 * x + 0.001433	0.997250
T Di-n-Butylphthalate	Quadratic	y = 0.064569 * x ^ 2 + 0.728926 * x - 0.041145	0.998689
T Fluoranthene	Quadratic	y = 0.005127 * x ^ 2 + 0.913516 * x + 0.010820	0.999738
T Benzidine	Quadratic	y = -0.021425 * x ^ 2 + 0.377173 * x - 0.015482	0.999219
T Pyrene	Quadratic	y = -0.003799 * x ^ 2 + 1.017139 * x + 0.008273	0.999630
T Butylbenzylphthalate	Quadratic	y = 0.047941 * x ^ 2 + 0.297734 * x - 0.009335	0.998450
T Chrysene	Quadratic	y = -0.020372 * x ^ 2 + 1.189658 * x + 0.003882	0.999580
T 3,3-Dichlorobenzidine	Quadratic	y = 0.021497 * x ^ 2 + 0.331223 * x - 0.018848	0.998013
T bis(2-ethylhexyl)Phthalate	Quadratic	y = 0.018118 * x ^ 2 + 0.098204 * x - 0.001306	0.998634
T Di-n-octyl Phthalate	Quadratic	y = 0.162869 * x ^ 2 + 1.128485 * x - 0.023317	0.998248
T Benzo(b)fluoranthene	Quadratic	y = -0.044563 * x ^ 2 + 1.695133 * x - 0.038901	0.999411
T Benzo(k)fluoranthene	Quadratic	y = -0.015793 * x ^ 2 + 1.715381 * x - 0.027642	0.999129
T Benzo(a)pyrene	Quadratic	y = -0.022971 * x ^ 2 + 1.578004 * x - 0.057449	0.999439
T Indeno(1,2,3-c,d)pyrene	Quadratic	y = -0.023616 * x ^ 2 + 1.334003 * x - 0.050971	0.998326
T Dibenzo(a,h)anthracene	Quadratic	y = -0.014764 * x ^ 2 + 1.427551 * x - 0.048504	0.998956
T Benzo(g,h,i)perylene	Quadratic	y = -0.014380 * x ^ 2 + 1.493878 * x - 0.021784	0.999297

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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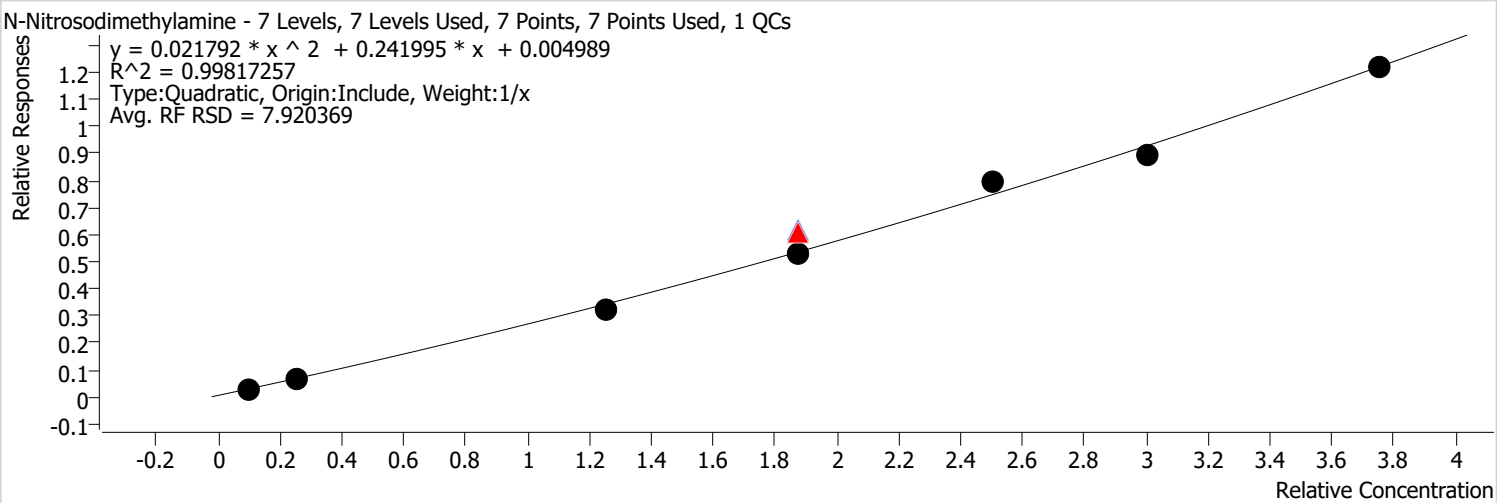
Report Time	2/19/2022 1:09:05 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

N-Nitrosodimethylamine %RSE = 4.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	226985	75.0000	0.3235	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	201549	75.0000	0.3290	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	326647	120.0000	0.2985	
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Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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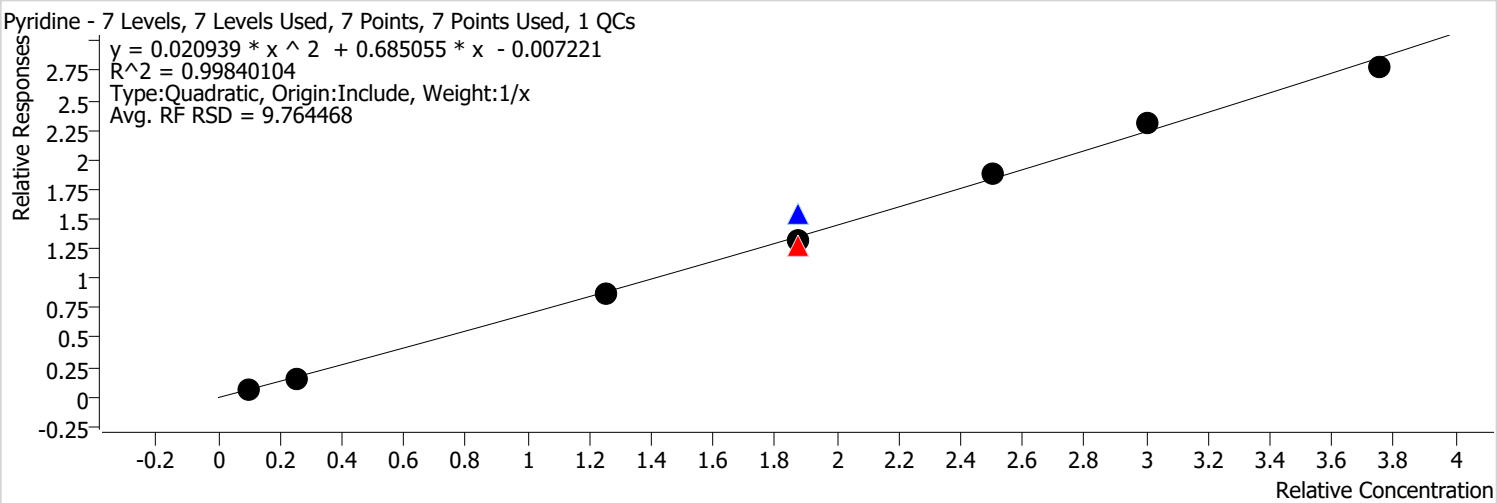
Report Time	2/19/2022 1:09:10 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Pyridine %RSE = 10.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	480267	75.0000	0.6845	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	702486	100.0000	0.7570	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	843707	120.0000	0.7709	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	993215	150.0000	0.7400	

Calibration Report

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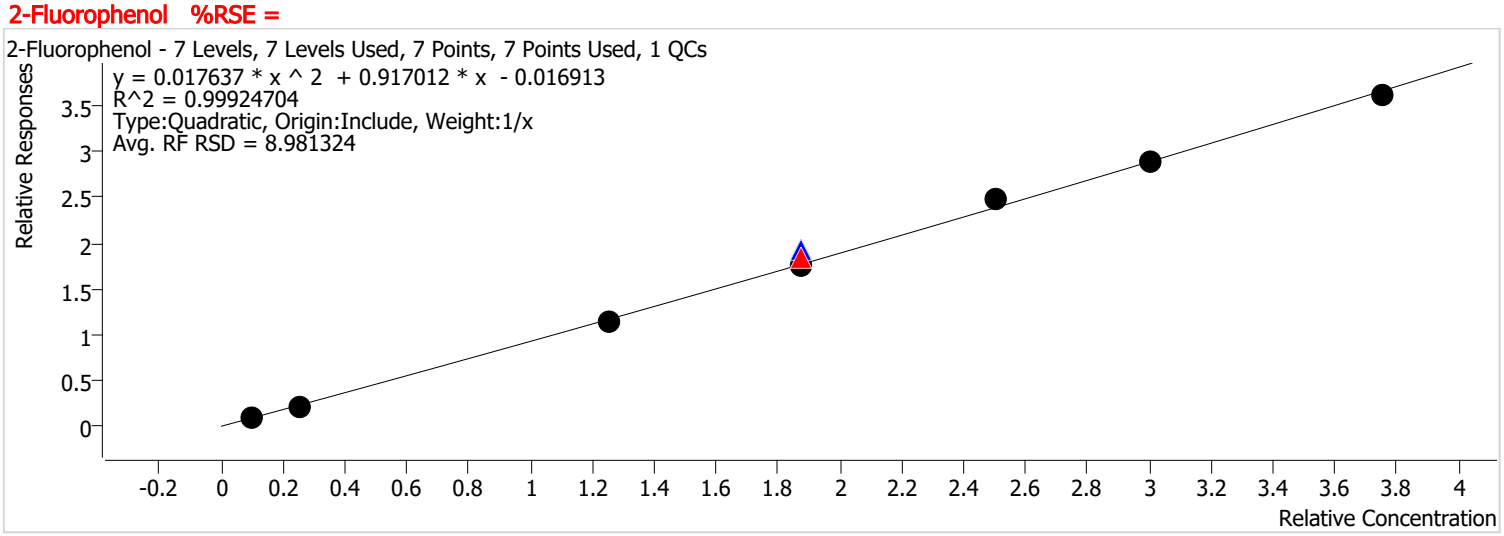
Report Time	2/19/2022 1:09:10 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Fluorophenol %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	414958	50.0000	0.9149	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	686074	75.0000	0.9778	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	629648	75.0000	1.0279	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	918079	100.0000	0.9894	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1058548	120.0000	0.9672	
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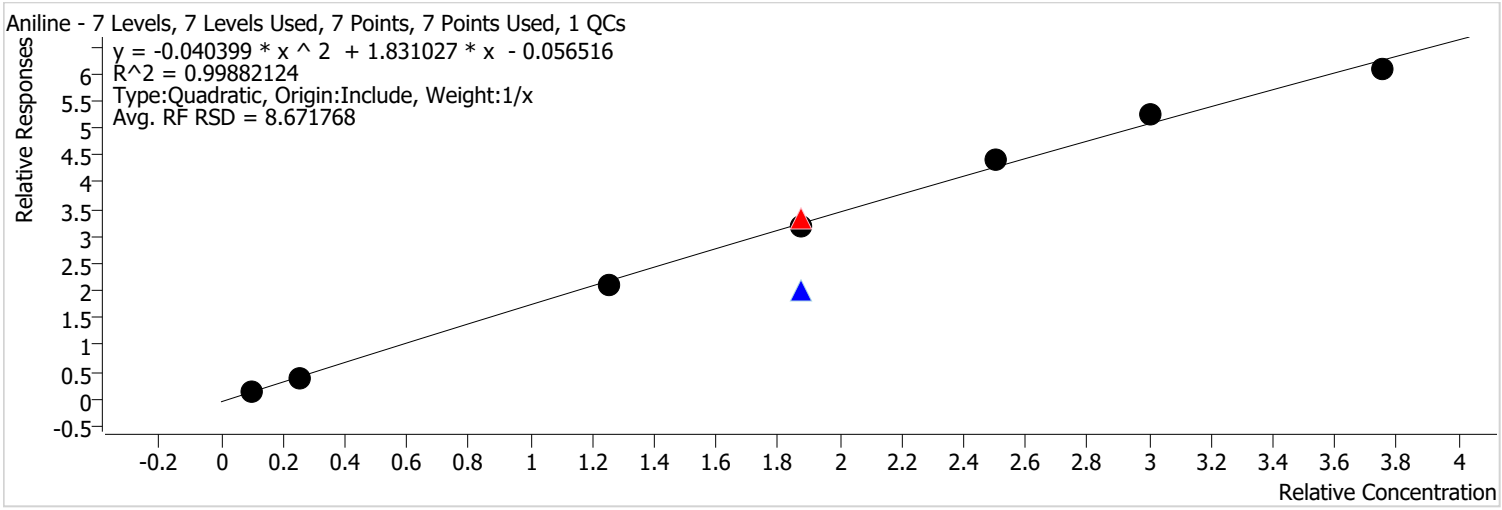
Report Time	2/19/2022 1:09:10 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Aniline %RSE = 6.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	767112	50.0000	1.6913	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1244906	75.0000	1.7742	
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Calibration Report

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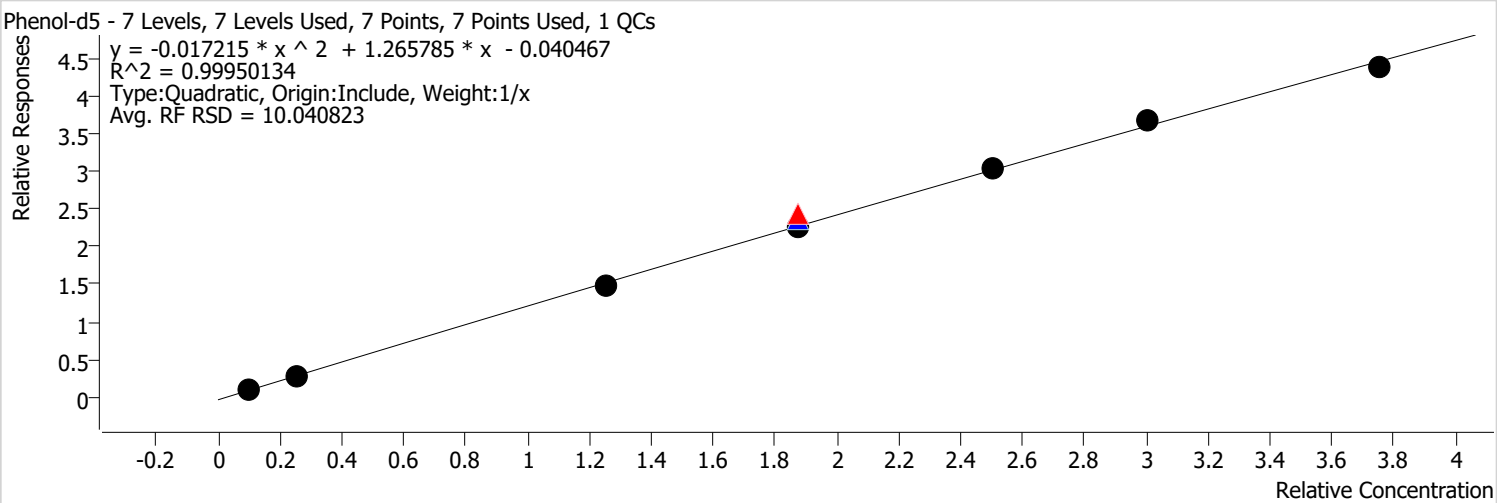
Report Time	2/19/2022 1:09:10 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Phenol-d5 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	540696	50.0000	1.1921	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	910321	75.0000	1.2974	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	772410	75.0000	1.2610	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1136511	100.0000	1.2248	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1344284	120.0000	1.2283	
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Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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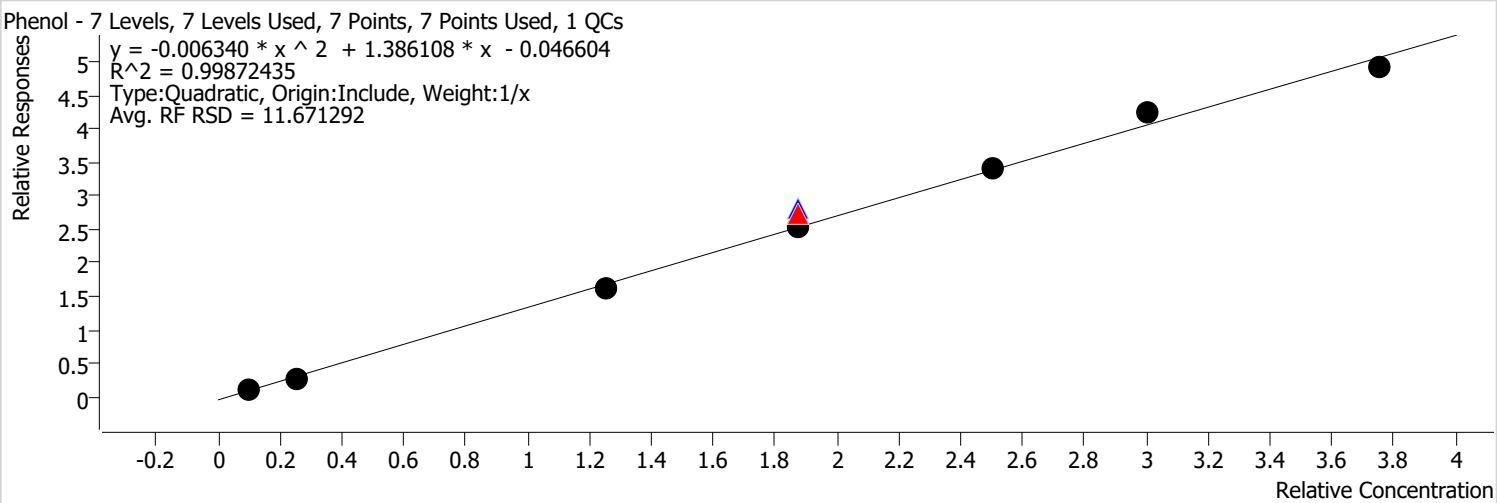
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Phenol %RSE = 5.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1017539	75.0000	1.4502	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	922606	75.0000	1.5062	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1552024	120.0000	1.4181	
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Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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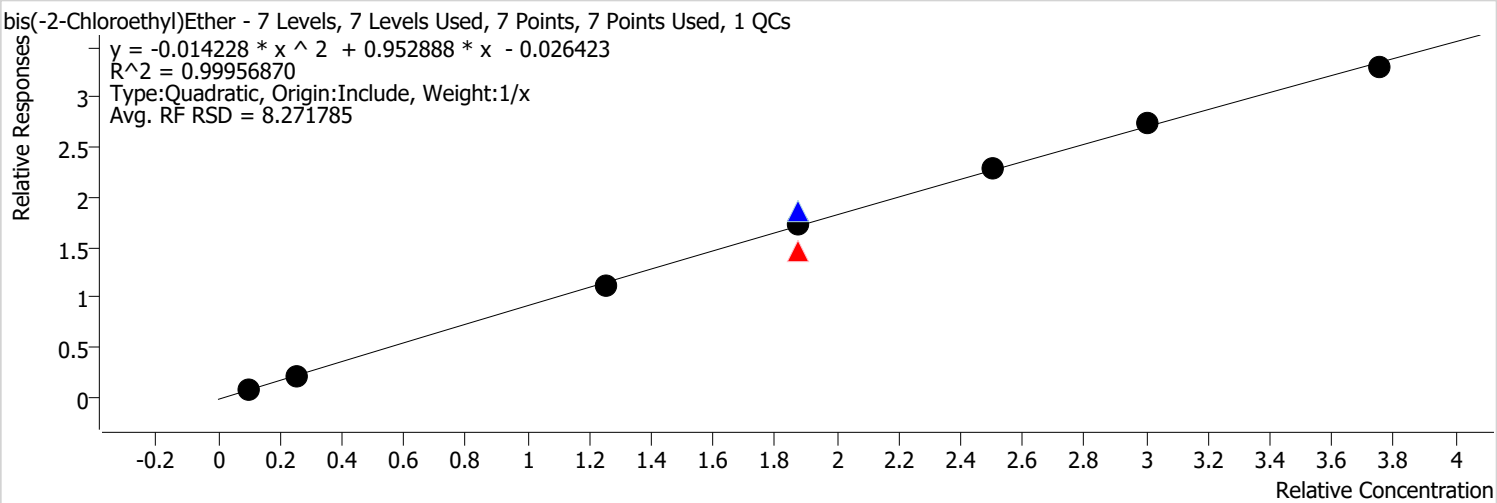
Report Time	2/19/2022 1:09:11 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

bis(-2-Chloroethyl)Ether %RSE = 3.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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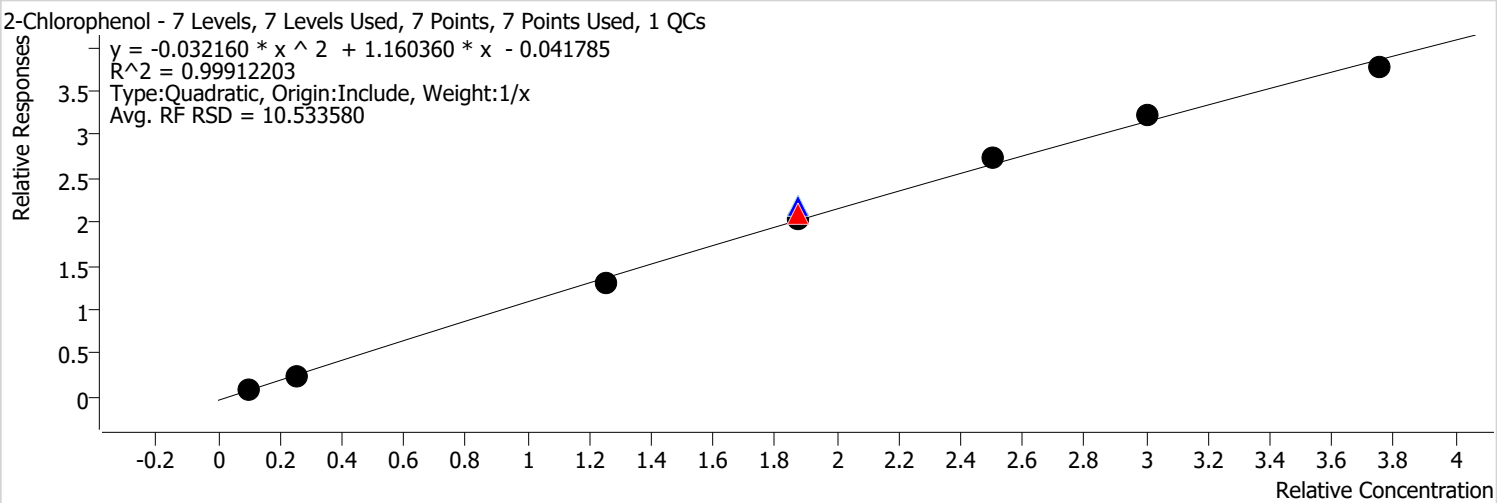
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	402263	50.0000	0.8869	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	549346	75.0000	0.7829	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	605585	75.0000	0.9886	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	606109	75.0000	0.9252	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	847990	100.0000	0.9138	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1004162	120.0000	0.9175	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	1179626	150.0000	0.8789	

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:11 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Chlorophenol %RSE = 4.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	472214	50.0000	1.0411	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	787160	75.0000	1.1219	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	714073	75.0000	1.1657	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	708157	75.0000	1.0809	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1016794	100.0000	1.0957	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1172891	120.0000	1.0717	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	1348440	150.0000	1.0047	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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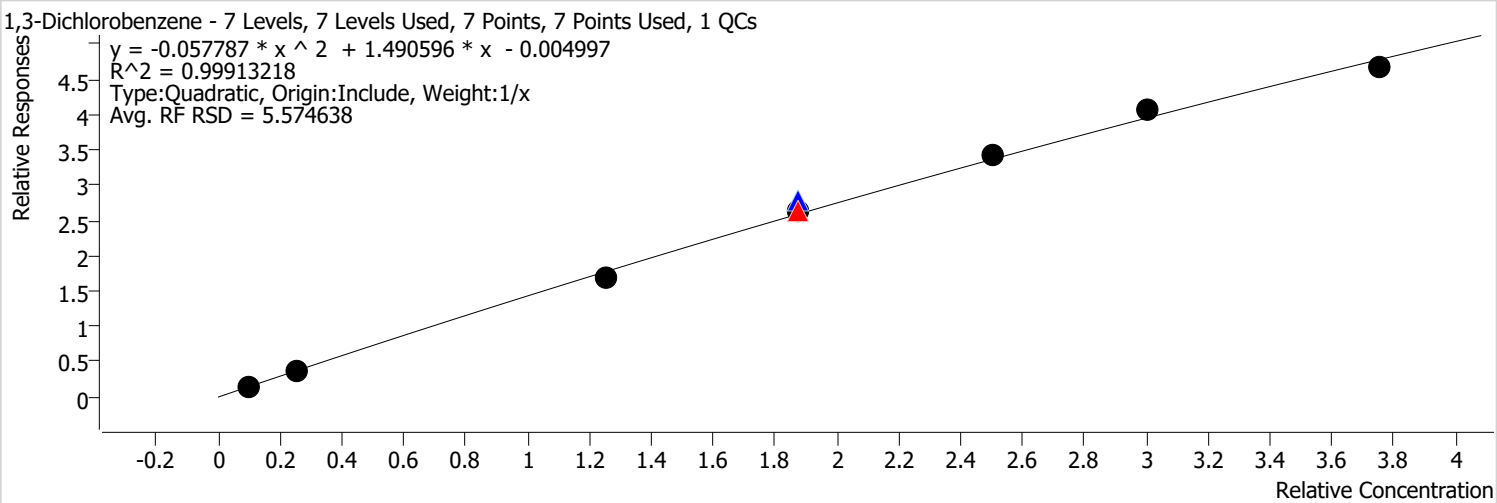
Report Time	2/19/2022 1:09:11 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,3-Dichlorobenzene %RSE = 4.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	613144	50.0000	1.3518	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	990013	75.0000	1.4110	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	912914	75.0000	1.4903	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	915843	75.0000	1.3980	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1267074	100.0000	1.3655	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1478960	120.0000	1.3513	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	1667861	150.0000	1.2427	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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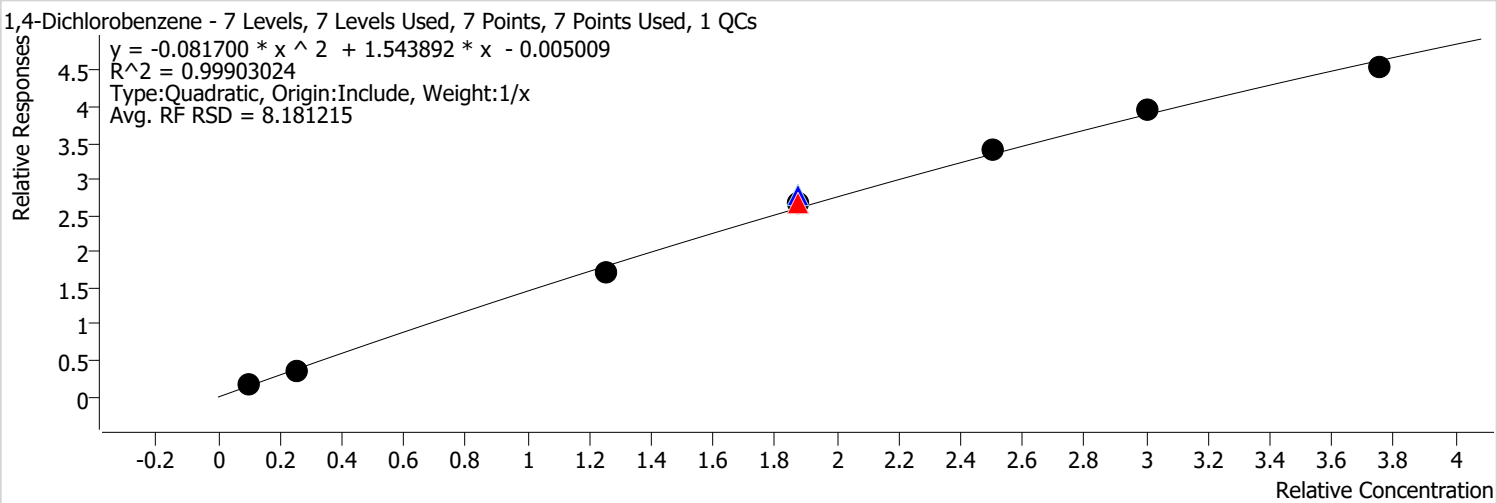
Report Time	2/19/2022 1:09:11 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,4-Dichlorobenzene %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	621874	50.0000	1.3711	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1004060	75.0000	1.4310	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	910418	75.0000	1.4863	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	929421	75.0000	1.4187	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1270219	100.0000	1.3688	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1440014	120.0000	1.3158	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	1624565	150.0000	1.2104	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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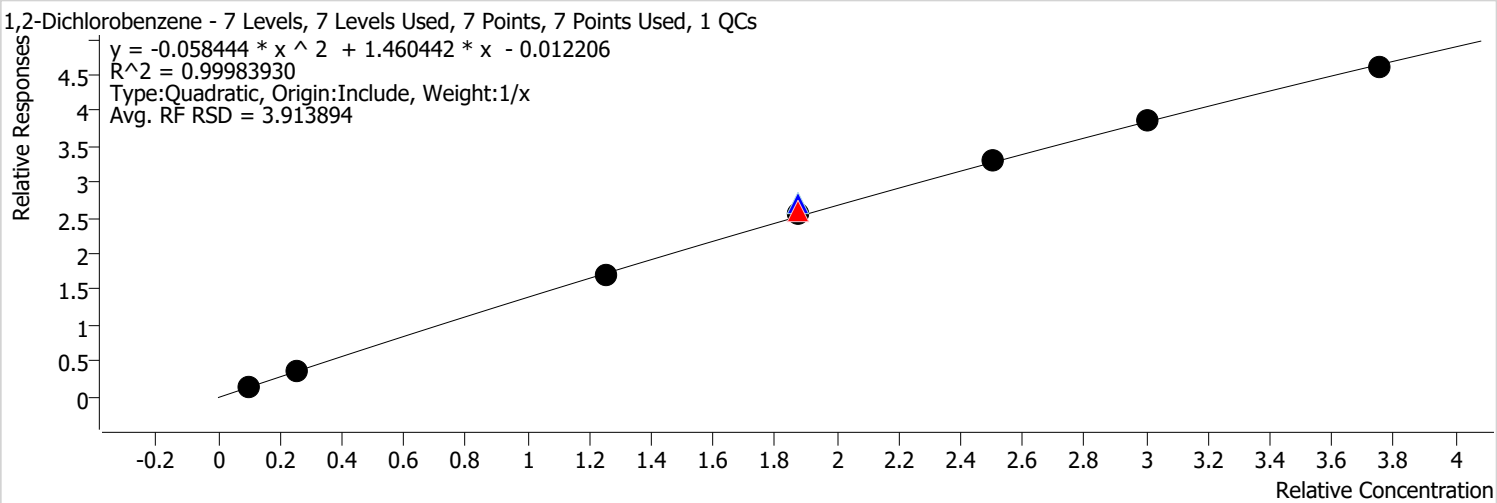
Report Time	2/19/2022 1:09:11 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2-Dichlorobenzene %RSE = 1.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	110443	10.0000	1.3749	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	611643	50.0000	1.3485	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	977726	75.0000	1.3934	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	890719	75.0000	1.4541	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	888825	75.0000	1.3567	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1225154	100.0000	1.3203	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1412888	120.0000	1.2910	
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Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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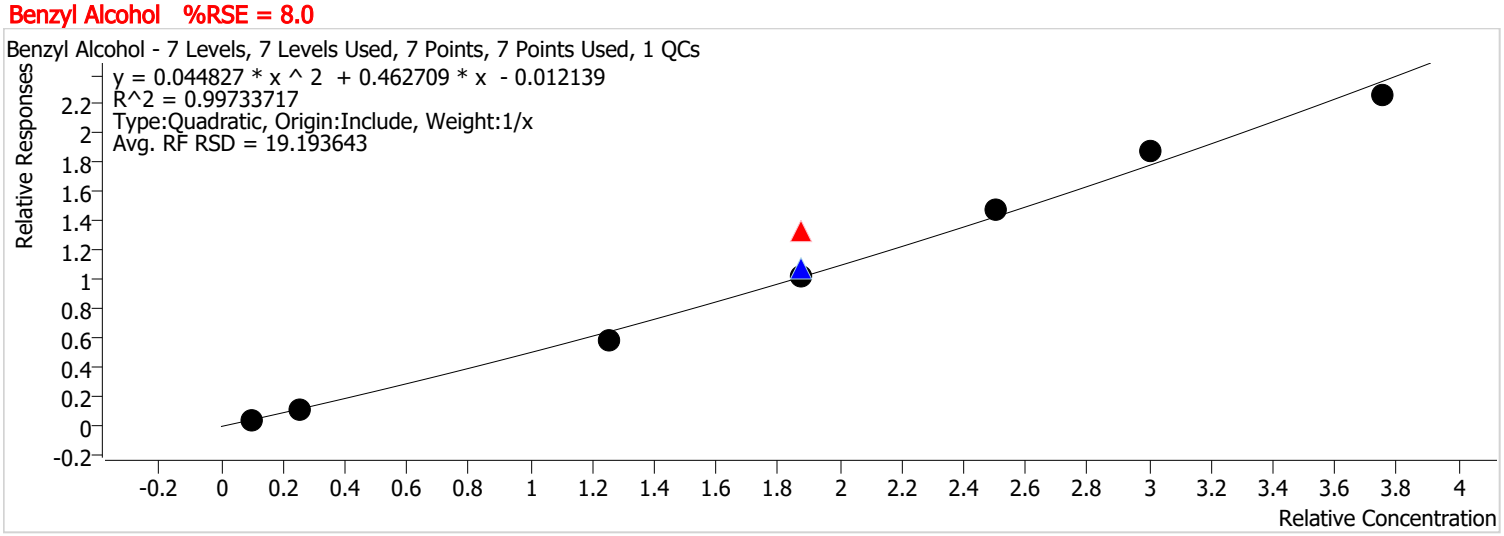
Report Time	2/19/2022 1:09:11 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzyl Alcohol %RSE = 8.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	31154	10.0000	0.3878	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	213122	50.0000	0.4699	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	495826	75.0000	0.7066	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	349450	75.0000	0.5705	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	549182	100.0000	0.5918	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	684389	120.0000	0.6253	
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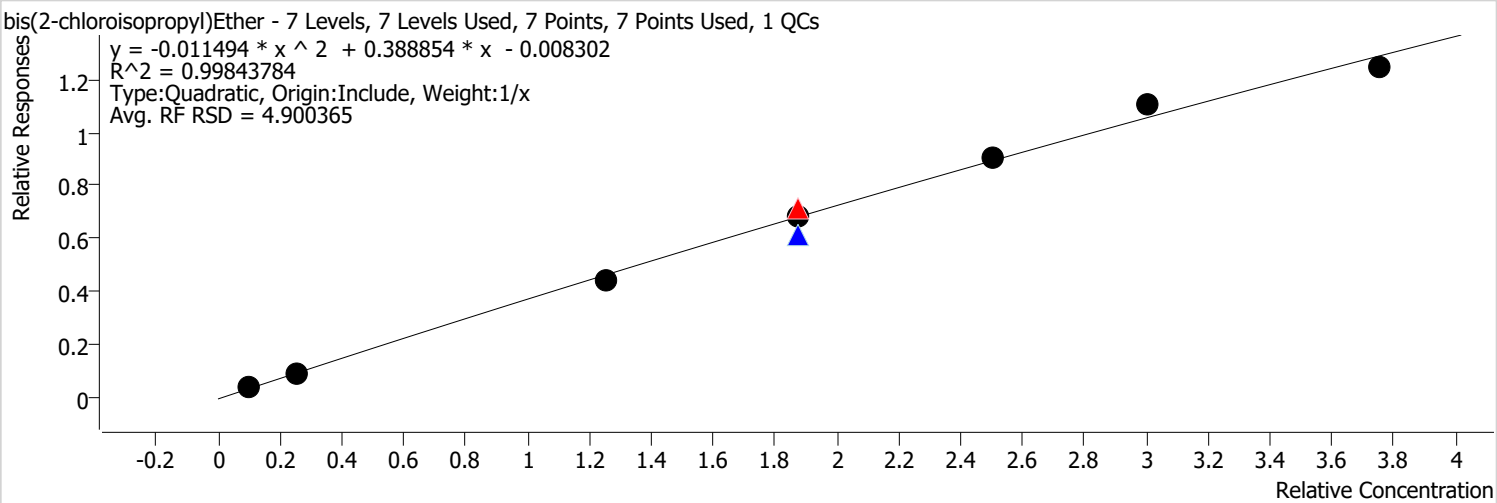
Report Time	2/19/2022 1:09:11 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

bis(2-chloroisopropyl)Ether %RSE = 5.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	26761	10.0000	0.3332	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	160657	50.0000	0.3542	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	268440	75.0000	0.3826	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	237128	75.0000	0.3620	
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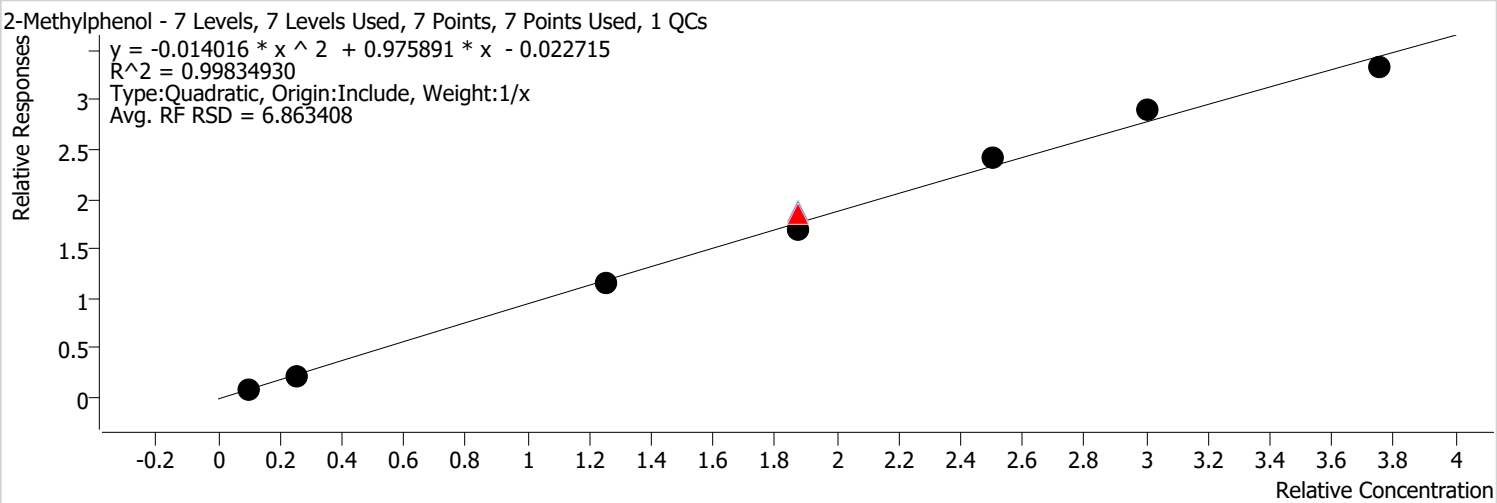
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Methylphenol %RSE = 5.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	25470	4.0000	0.8032	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	67039	10.0000	0.8346	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	416195	50.0000	0.9176	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	697672	75.0000	0.9943	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	612115	75.0000	0.9993	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	594885	75.0000	0.9080	
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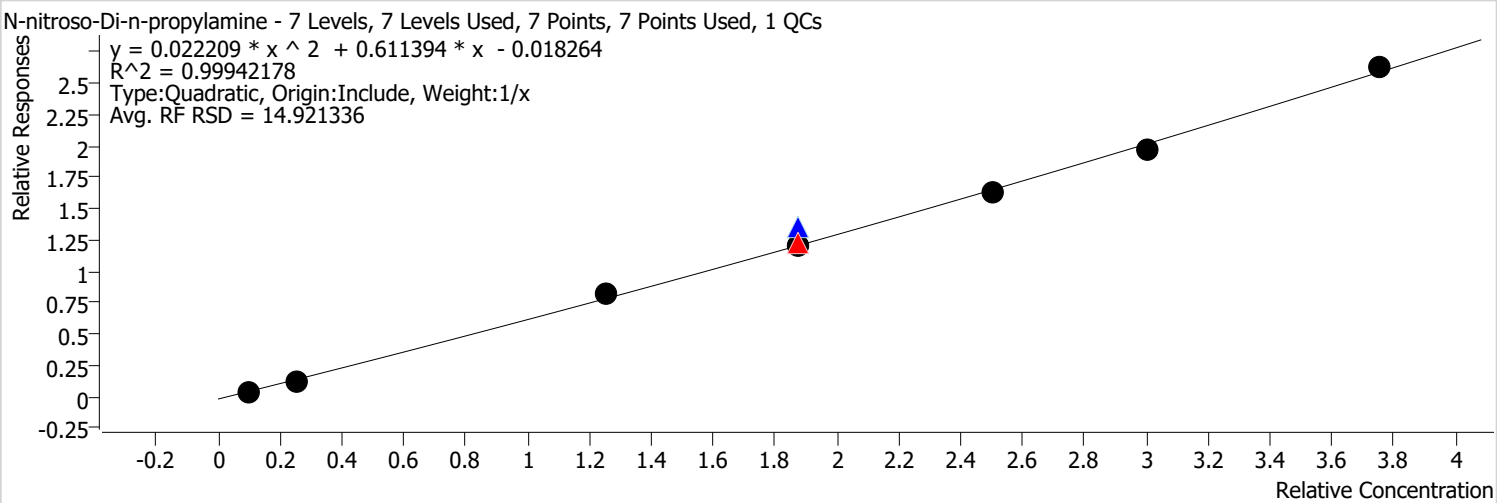
Report Time	2/19/2022 1:09:12 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

N-nitroso-Di-n-propylamine %RSE = 4.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	462679	75.0000	0.6594	
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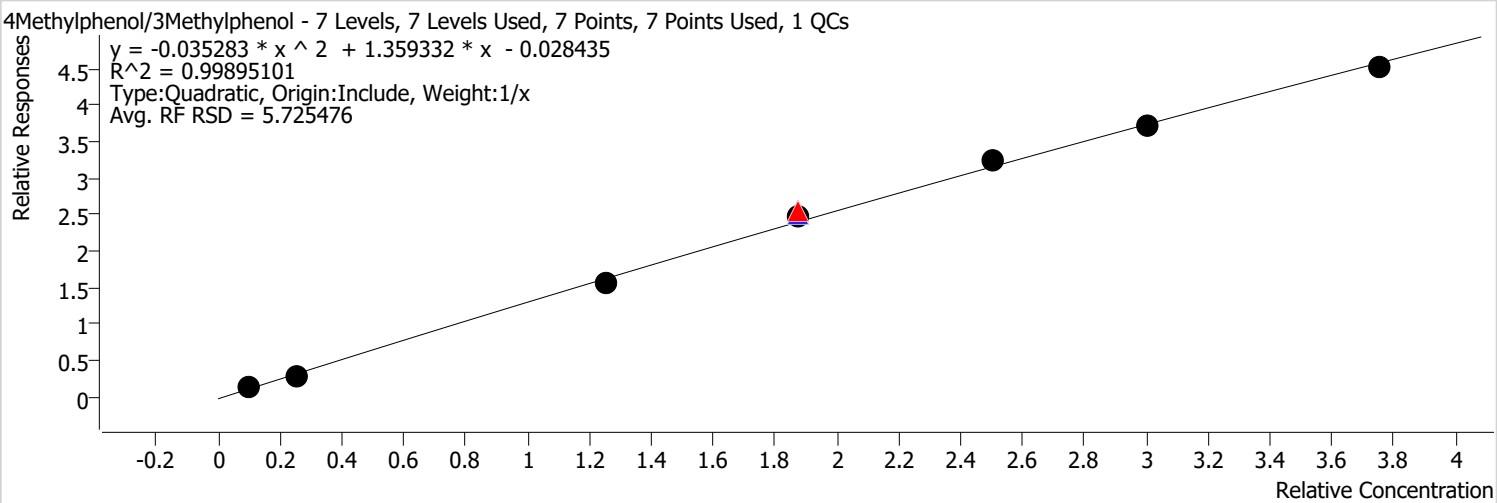
Report Time	2/19/2022 1:09:12 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

4Methylphenol/3Methylphenol %RSE = 7.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	564049	50.0000	1.2436	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	958126	75.0000	1.3655	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	816321	75.0000	1.3326	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	858705	75.0000	1.3107	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1202844	100.0000	1.2962	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1358832	120.0000	1.2416	
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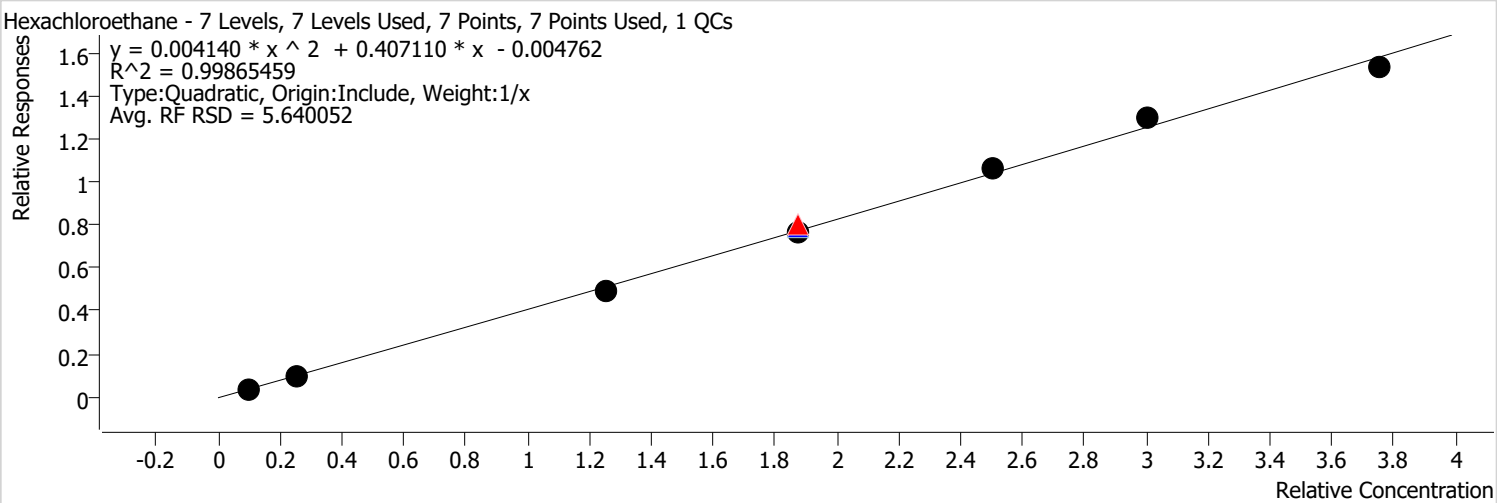
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:12 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Hexachloroethane %RSE = 4.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	176921	50.0000	0.3901	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	301313	75.0000	0.4294	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	259885	75.0000	0.4243	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	268097	75.0000	0.4092	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	396362	100.0000	0.4271	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	475489	120.0000	0.4345	
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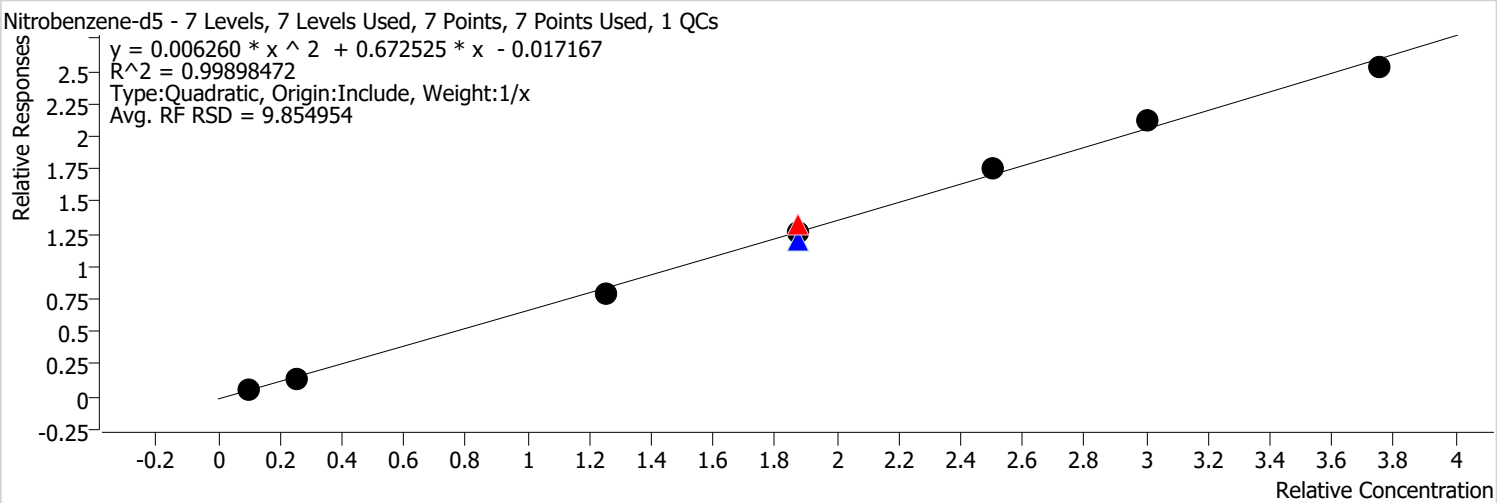
Report Time	2/19/2022 1:09:12 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Nitrobenzene-d5 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	45452	10.0000	0.5658	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	289612	50.0000	0.6385	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	492505	75.0000	0.7019	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	394242	75.0000	0.6436	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	443231	75.0000	0.6766	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	649013	100.0000	0.6994	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	771682	120.0000	0.7051	
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Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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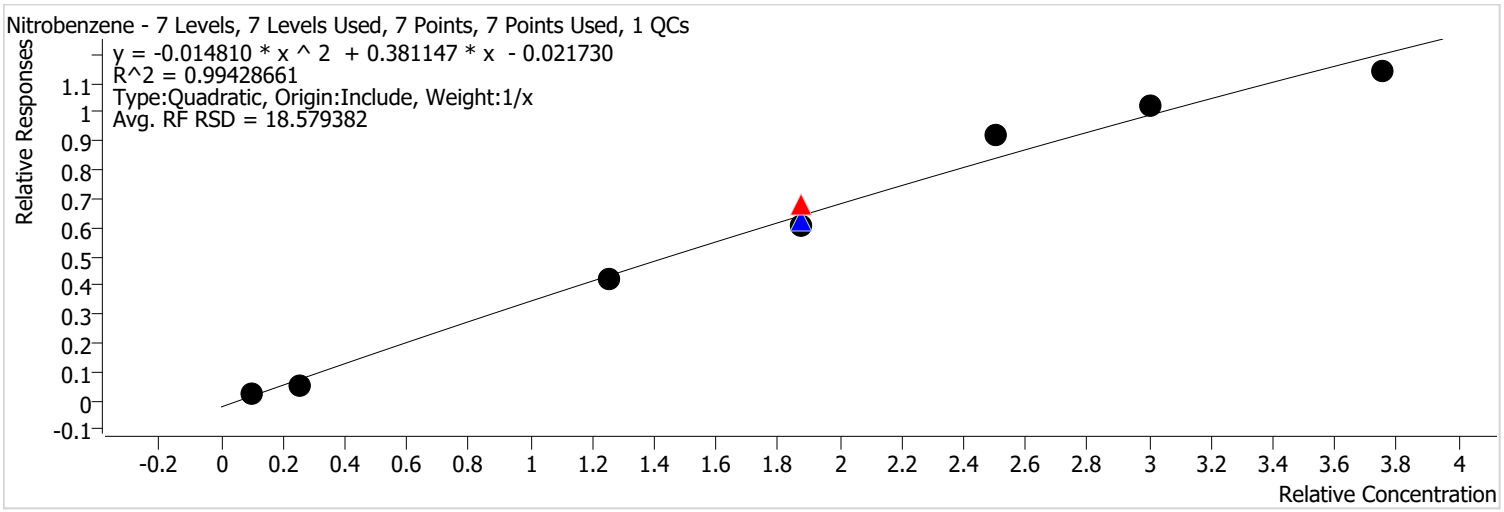
Report Time	2/19/2022 1:09:12 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Nitrobenzene %RSE = 14.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	18080	10.0000	0.2251	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	153327	50.0000	0.3380	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	255208	75.0000	0.3637	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	203074	75.0000	0.3315	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	210462	75.0000	0.3213	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	341039	100.0000	0.3675	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	374243	120.0000	0.3419	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	407665	150.0000	0.3037	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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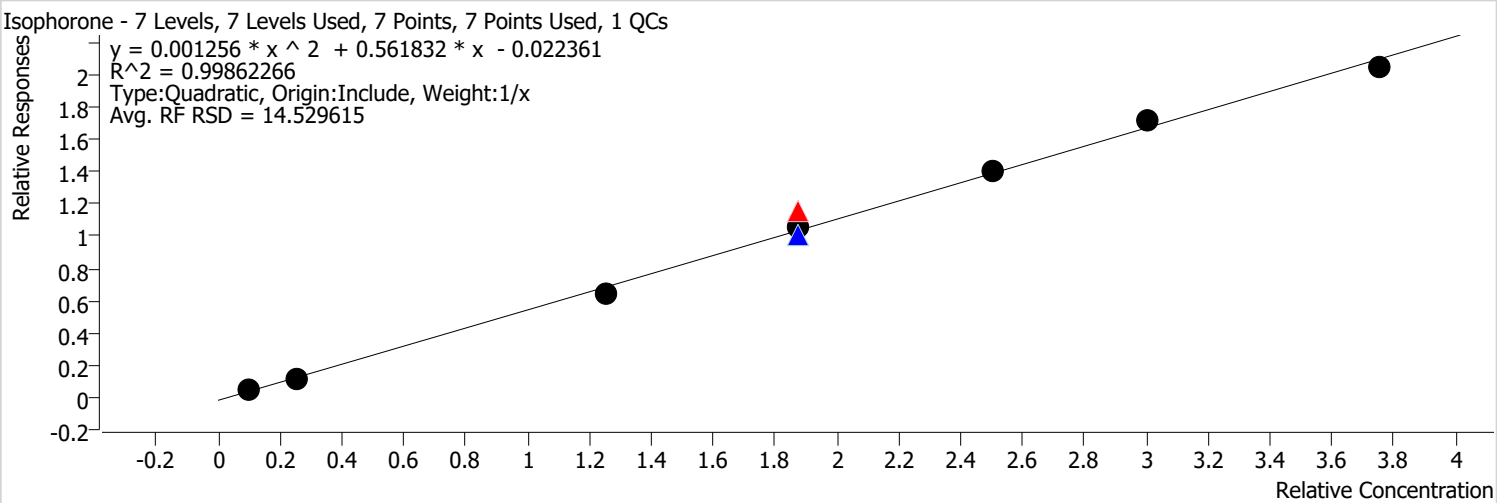
Report Time	2/19/2022 1:09:12 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Isophorone %RSE = 8.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	97277	10.0000	0.4128	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	689466	50.0000	0.5191	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1268154	75.0000	0.6141	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	952075	75.0000	0.5373	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1066372	75.0000	0.5685	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1526319	100.0000	0.5618	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1823587	120.0000	0.5747	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	2053422	150.0000	0.5465	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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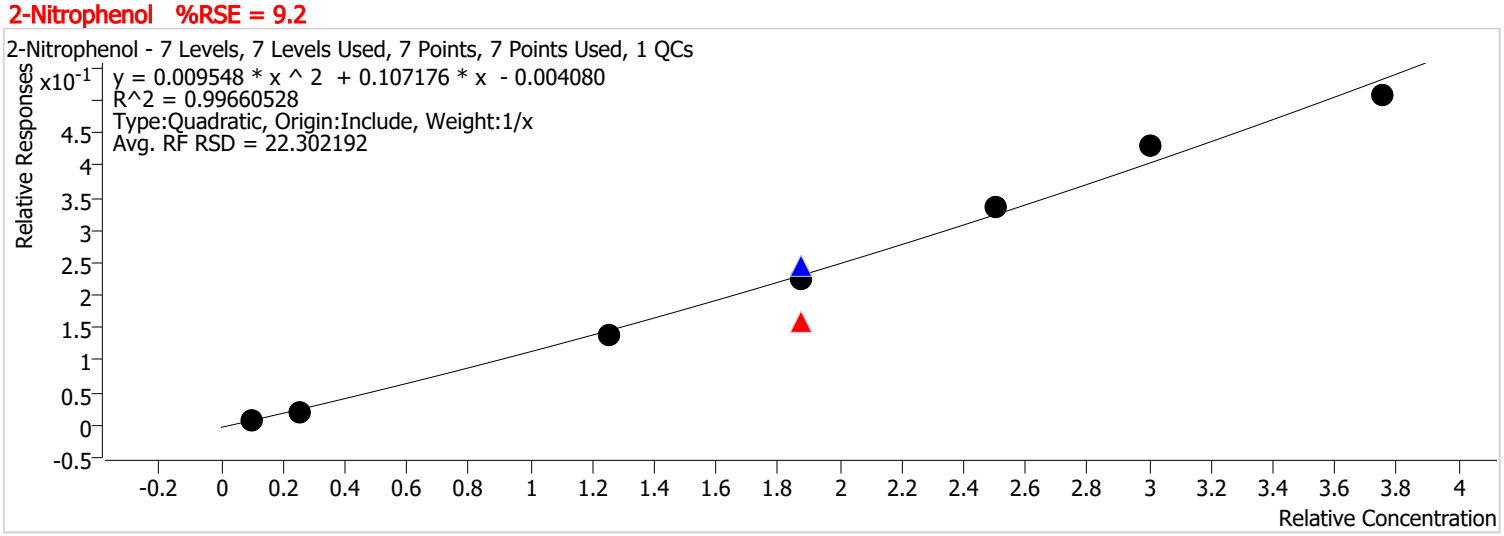
Report Time	2/19/2022 1:09:12 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Nitrophenol %RSE = 9.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	7612	4.0000	0.0806	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	19297	10.0000	0.0819	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	145865	50.0000	0.1098	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	176730	75.0000	0.0856	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	230240	75.0000	0.1299	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	223037	75.0000	0.1189	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	366947	100.0000	0.1351	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	455325	120.0000	0.1435	
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Calibration Report

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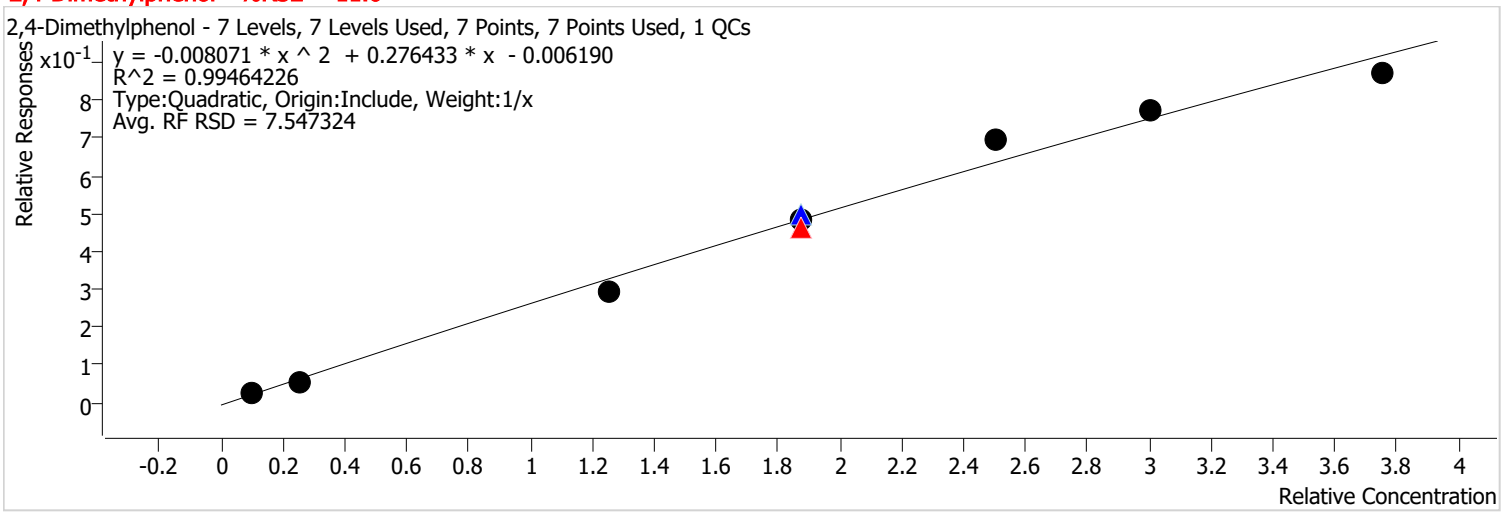
Report Time	2/19/2022 1:09:12 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2,4-Dimethylphenol %RSE = 11.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	23276	4.0000	0.2465	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	52824	10.0000	0.2242	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	310997	50.0000	0.2341	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	506872	75.0000	0.2454	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	471706	75.0000	0.2662	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	486601	75.0000	0.2594	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	752268	100.0000	0.2769	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	819537	120.0000	0.2583	
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Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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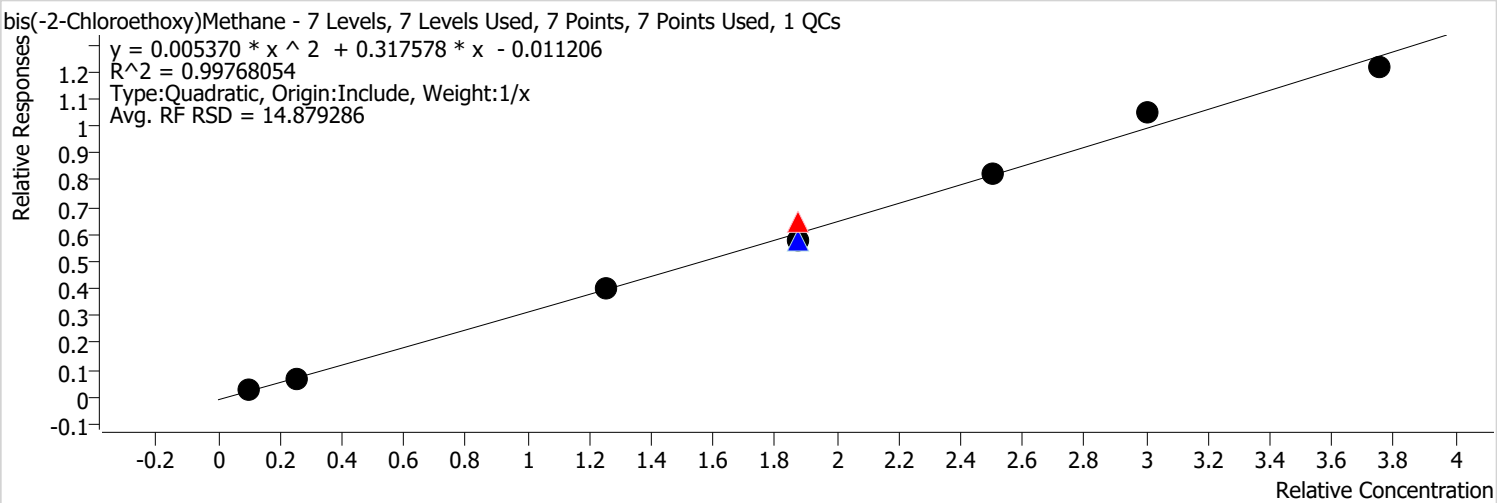
Report Time	2/19/2022 1:09:13 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

bis(-2-Chloroethoxy)Methane %RSE = 6.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	59939	10.0000	0.2544	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	423833	50.0000	0.3191	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	716900	75.0000	0.3471	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	542758	75.0000	0.3063	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	572879	75.0000	0.3054	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	893144	100.0000	0.3287	
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Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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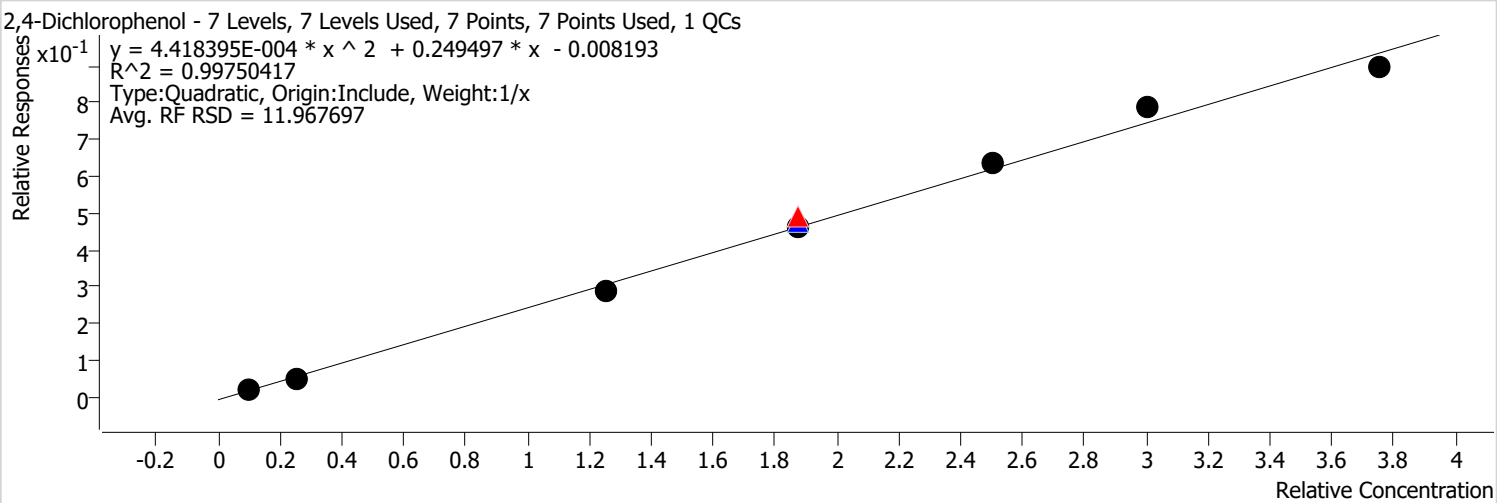
Report Time	2/19/2022 1:09:13 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2,4-Dichlorophenol %RSE = 6.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	17657	4.0000	0.1870	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	47605	10.0000	0.2020	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	302701	50.0000	0.2279	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	539457	75.0000	0.2612	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	451820	75.0000	0.2550	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	462781	75.0000	0.2467	
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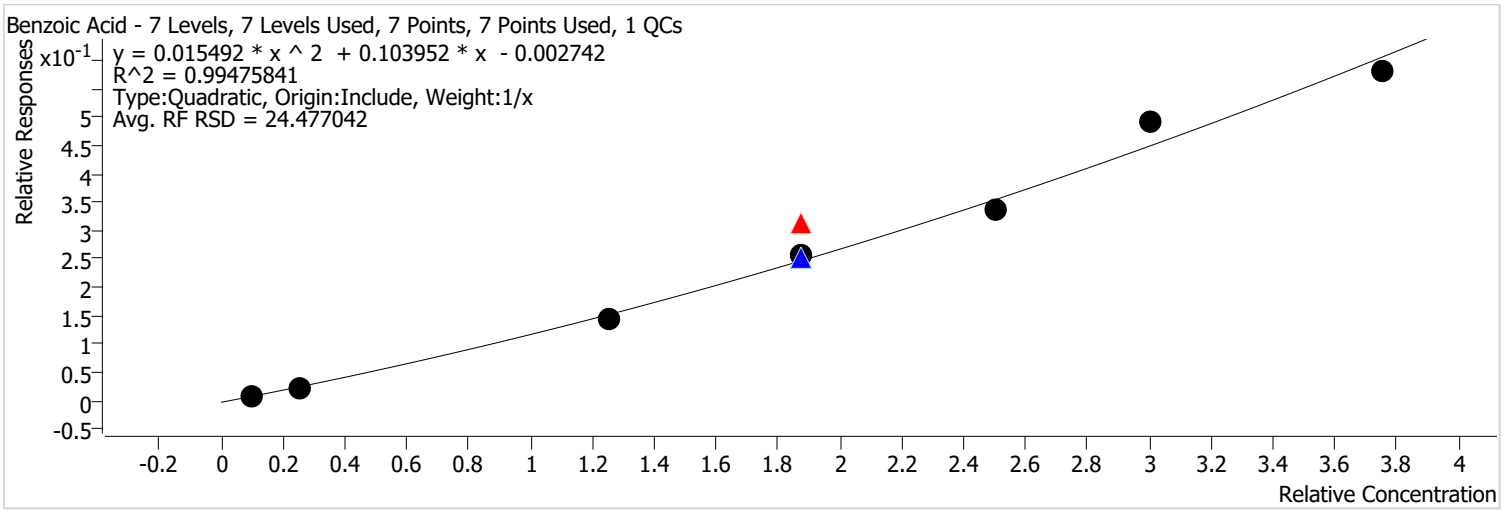
Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:13 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzoic Acid %RSE = 12.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	18665	10.0000	0.0792	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	150889	50.0000	0.1136	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	343437	75.0000	0.1663	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	237375	75.0000	0.1340	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	258415	75.0000	0.1378	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	365591	100.0000	0.1346	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	519957	120.0000	0.1639	
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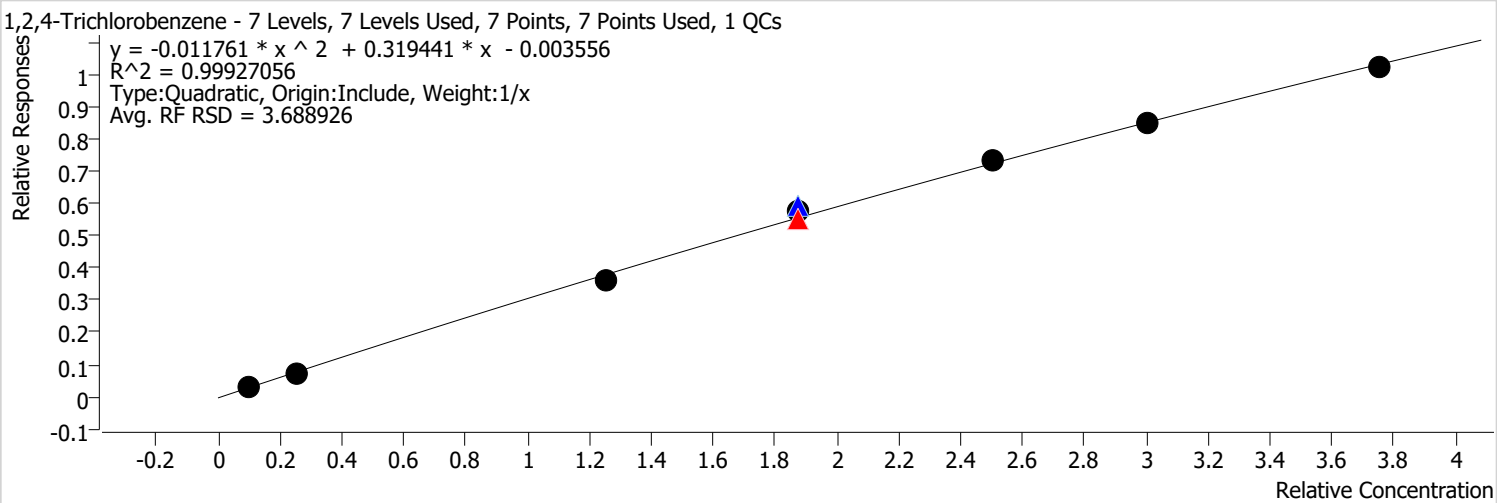
Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:13 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2,4-Trichlorobenzene %RSE = 4.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	381654	50.0000	0.2873	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	604446	75.0000	0.2927	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	556684	75.0000	0.3141	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	573589	75.0000	0.3058	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	795894	100.0000	0.2929	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	897123	120.0000	0.2827	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	1020843	150.0000	0.2717	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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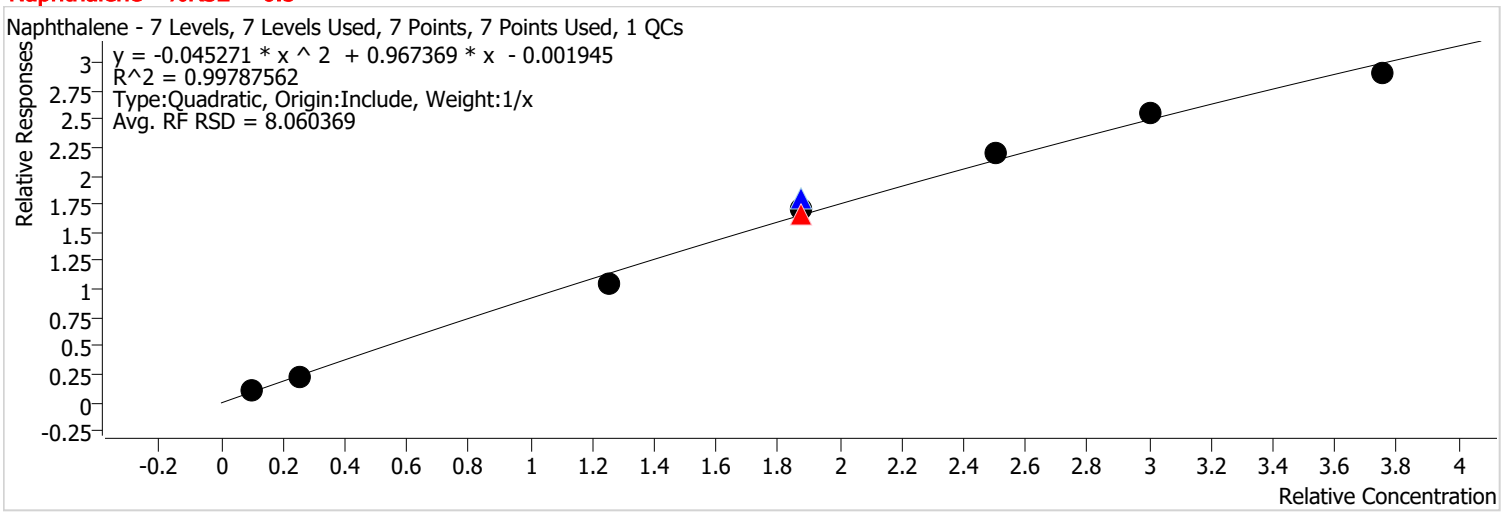
Report Time	2/19/2022 1:09:13 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Naphthalene %RSE = 6.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	215374	10.0000	0.9141	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	1110201	50.0000	0.8359	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1832808	75.0000	0.8875	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1701484	75.0000	0.9602	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1714981	75.0000	0.9143	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	2385769	100.0000	0.8781	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	2702791	120.0000	0.8518	
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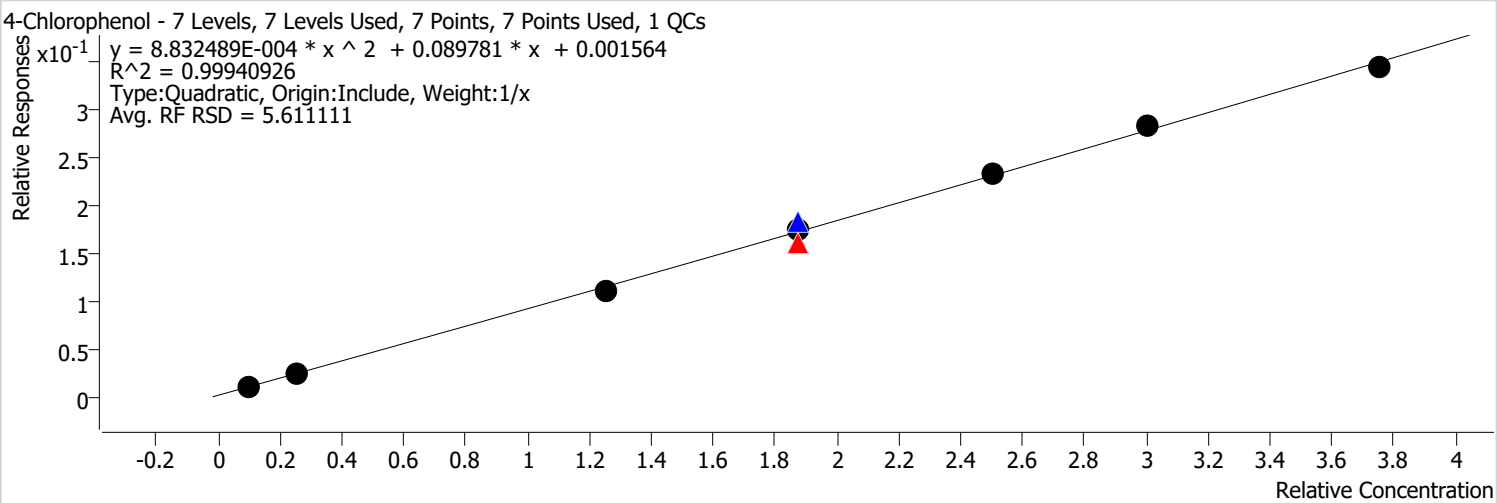
Report Time	2/19/2022 1:09:13 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

4-Chlorophenol %RSE = 3.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	23297	10.0000	0.0989	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	116895	50.0000	0.0880	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	177209	75.0000	0.0858	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	174820	75.0000	0.0987	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	174790	75.0000	0.0932	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	254245	100.0000	0.0936	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	301586	120.0000	0.0950	
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Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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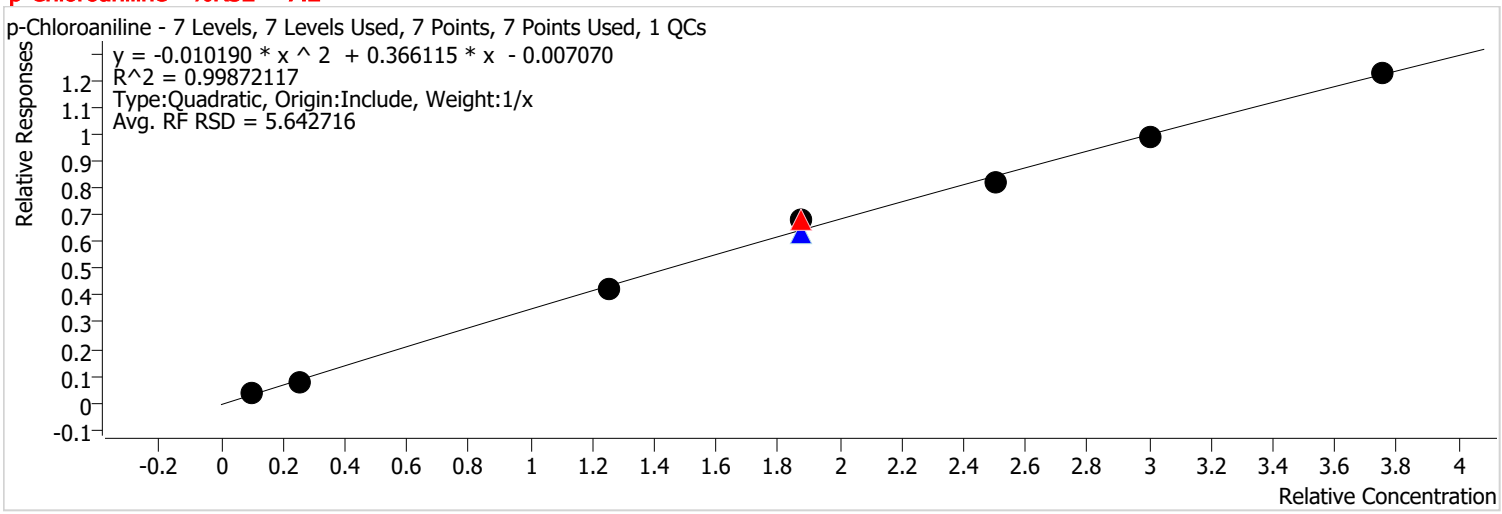
Report Time	2/19/2022 1:09:13 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

p-Chloroaniline %RSE = 7.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	30624	4.0000	0.3243	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	71033	10.0000	0.3015	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	453225	50.0000	0.3412	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	752494	75.0000	0.3644	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	596772	75.0000	0.3368	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	681721	75.0000	0.3634	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	893838	100.0000	0.3290	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1050839	120.0000	0.3312	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	1228719	150.0000	0.3270	

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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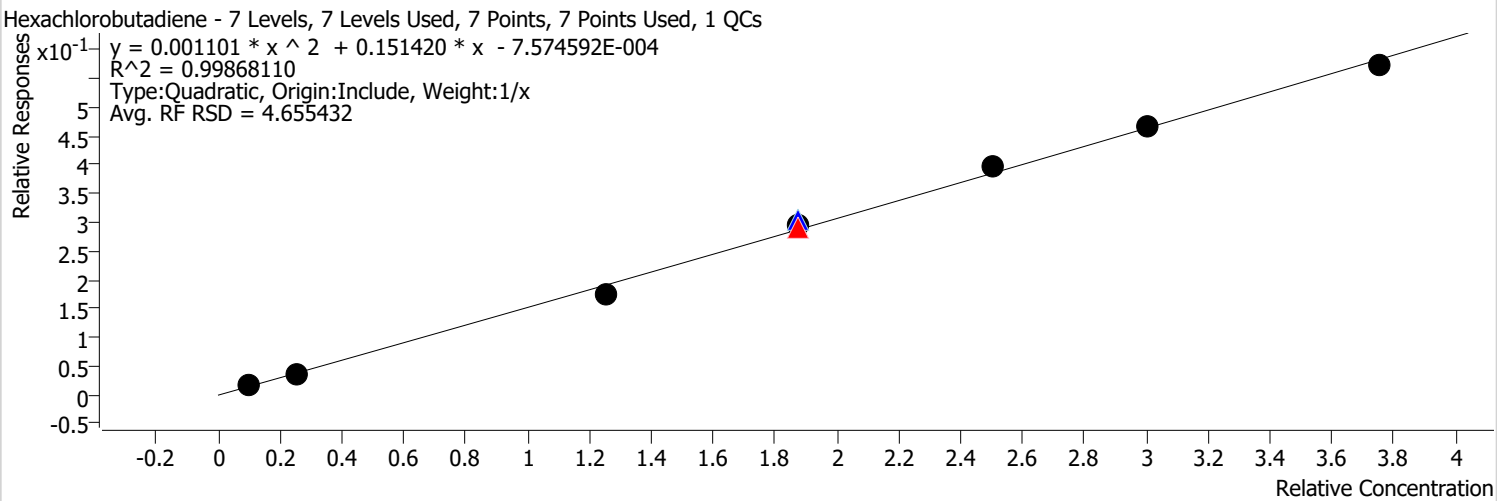
Report Time	2/19/2022 1:09:13 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Hexachlorobutadiene %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	33554	10.0000	0.1424	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	188037	50.0000	0.1416	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	320429	75.0000	0.1552	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	286141	75.0000	0.1615	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	296318	75.0000	0.1580	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	432772	100.0000	0.1593	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	492013	120.0000	0.1551	
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Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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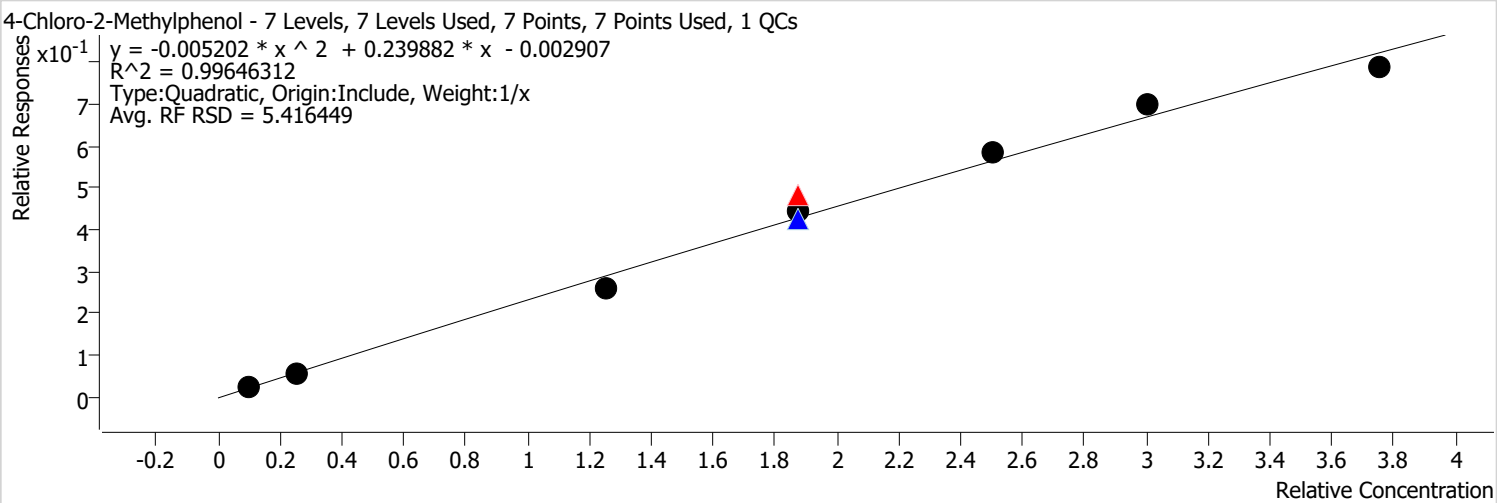
Report Time	2/19/2022 1:09:14 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

4-Chloro-2-Methylphenol %RSE = 7.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	51791	10.0000	0.2198	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	274008	50.0000	0.2063	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	533664	75.0000	0.2584	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	402121	75.0000	0.2269	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	445081	75.0000	0.2373	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	635015	100.0000	0.2337	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	740508	120.0000	0.2334	
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Calibration Report

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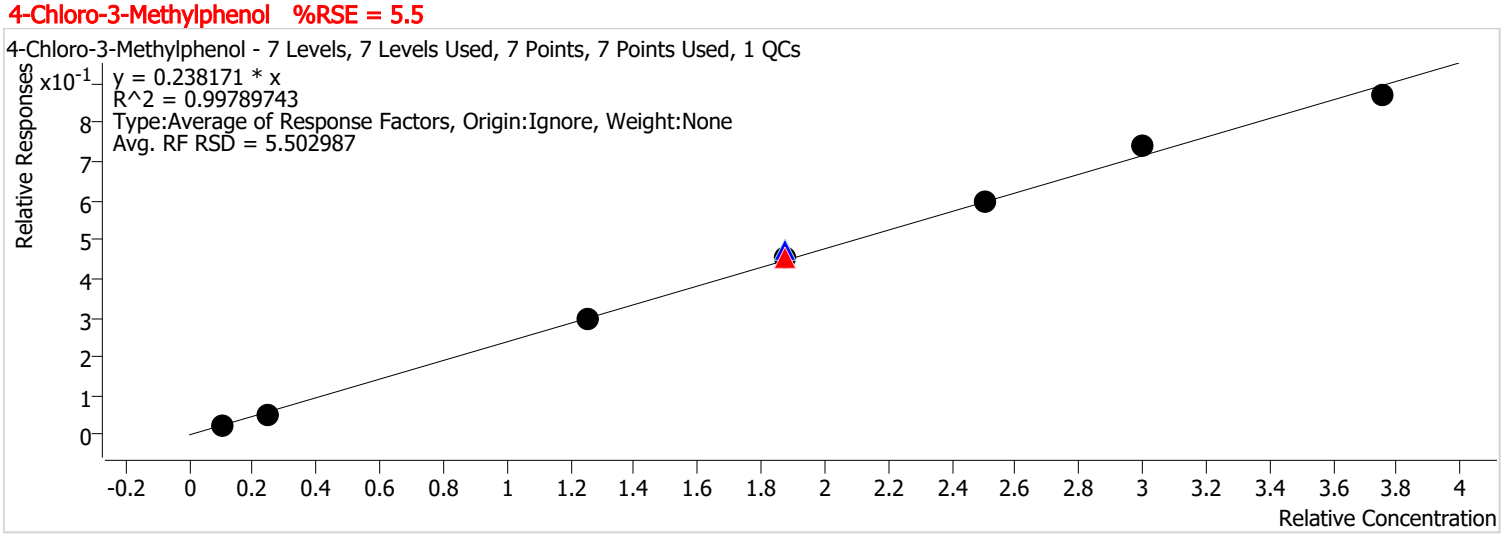
Report Time	2/19/2022 1:09:14 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

4-Chloro-3-Methylphenol %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	51113	10.0000	0.2169	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	311889	50.0000	0.2348	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	502885	75.0000	0.2435	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	449625	75.0000	0.2537	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	450778	75.0000	0.2403	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	646645	100.0000	0.2380	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	782006	120.0000	0.2464	
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Calibration Report

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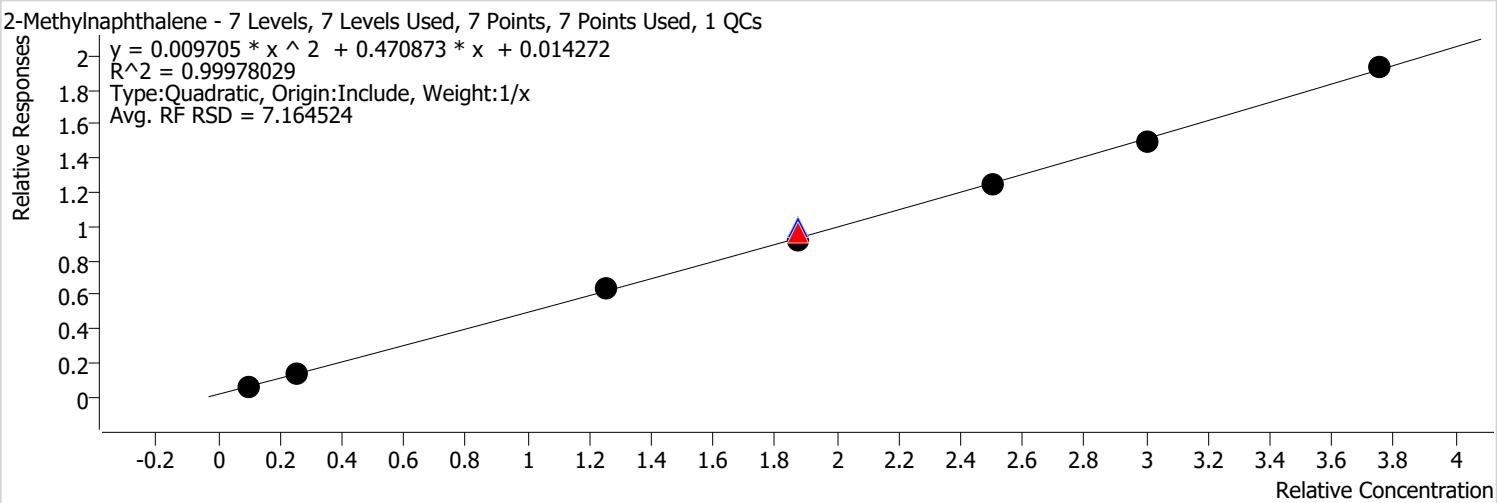
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:14 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Methylnaphthalene %RSE = 3.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	129837	10.0000	0.5510	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	670695	50.0000	0.5050	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1064687	75.0000	0.5156	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	934925	75.0000	0.5276	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	914283	75.0000	0.4874	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1357670	100.0000	0.4997	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1591431	120.0000	0.5015	
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Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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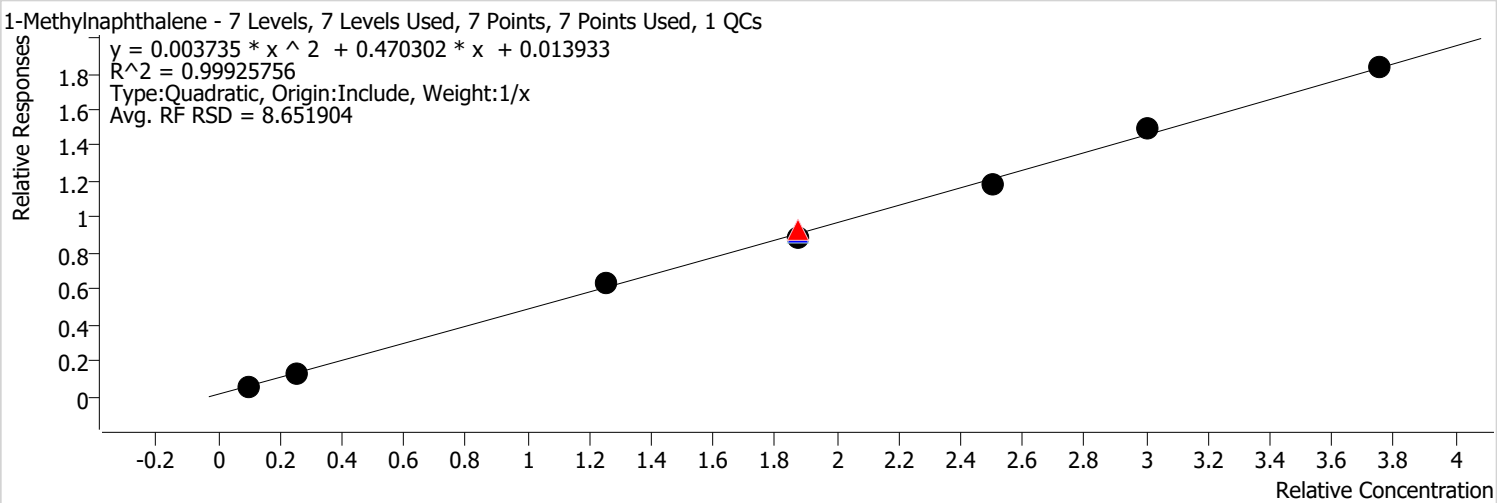
Report Time	2/19/2022 1:09:14 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1-Methylnaphthalene %RSE = 3.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	126738	10.0000	0.5379	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	672135	50.0000	0.5060	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1025400	75.0000	0.4965	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	864319	75.0000	0.4878	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	885279	75.0000	0.4720	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1279557	100.0000	0.4710	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1575011	120.0000	0.4964	
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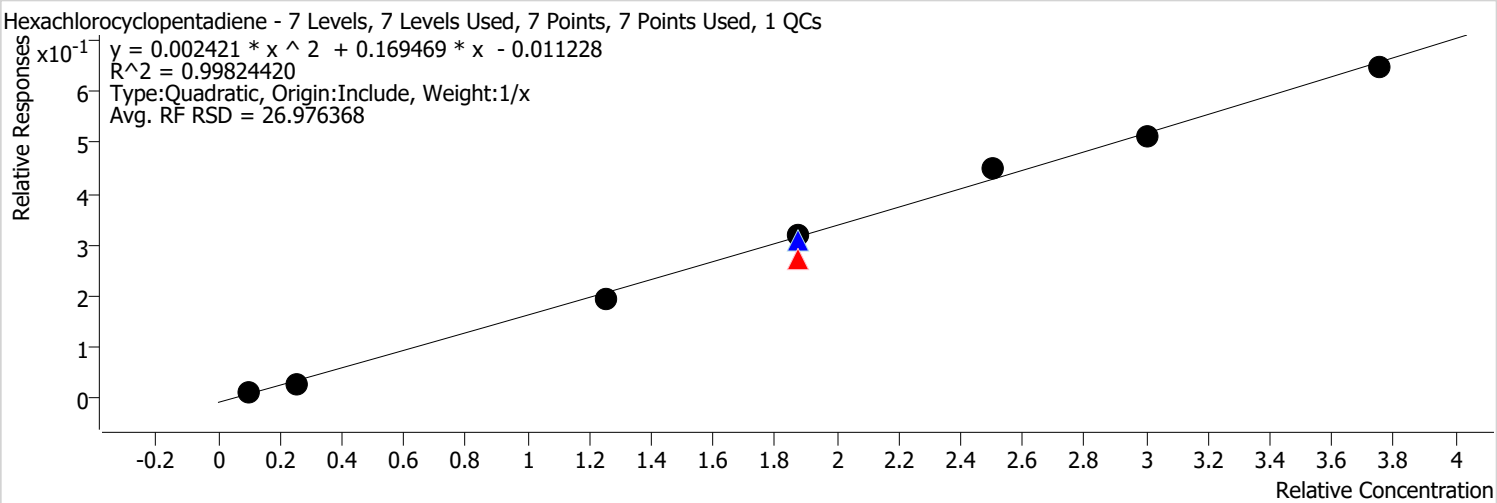
Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:14 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Hexachlorocyclopentadiene %RSE = 9.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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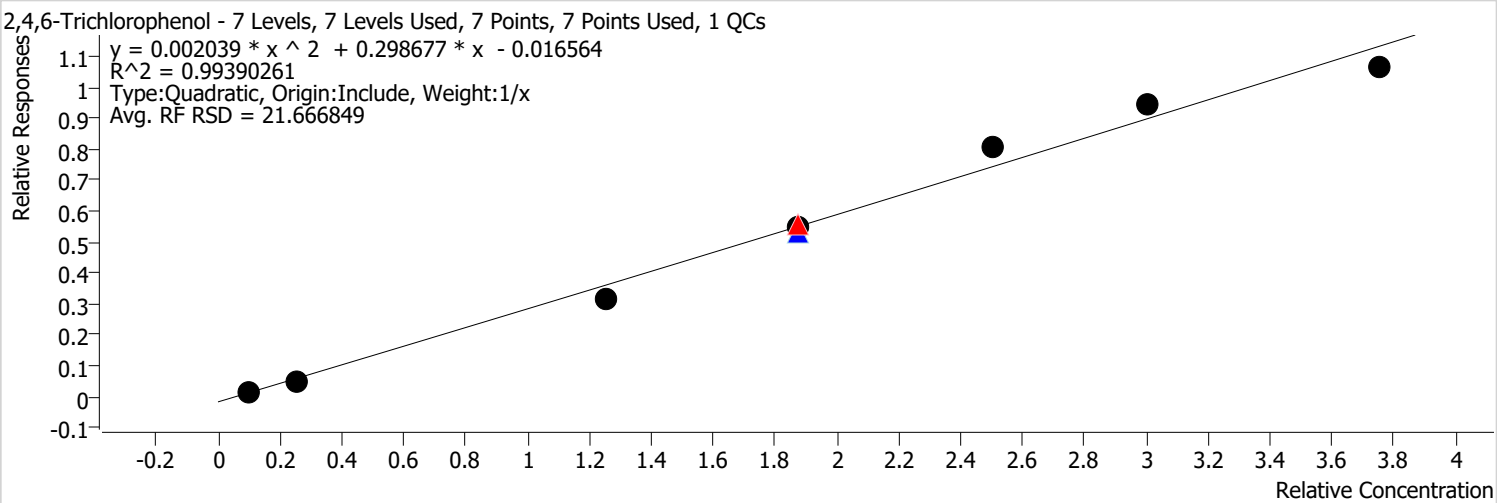
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	113002	50.0000	0.1553	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	172479	75.0000	0.1435	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	167582	75.0000	0.1641	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	175425	75.0000	0.1707	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	260879	100.0000	0.1809	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	295198	120.0000	0.1710	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	361285	150.0000	0.1727	

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:14 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2,4,6-Trichlorophenol %RSE = 11.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	27041	10.0000	0.2045	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	186323	50.0000	0.2560	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	358658	75.0000	0.2983	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	289067	75.0000	0.2830	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	298561	75.0000	0.2906	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	467130	100.0000	0.3240	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	545615	120.0000	0.3161	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	593283	150.0000	0.2836	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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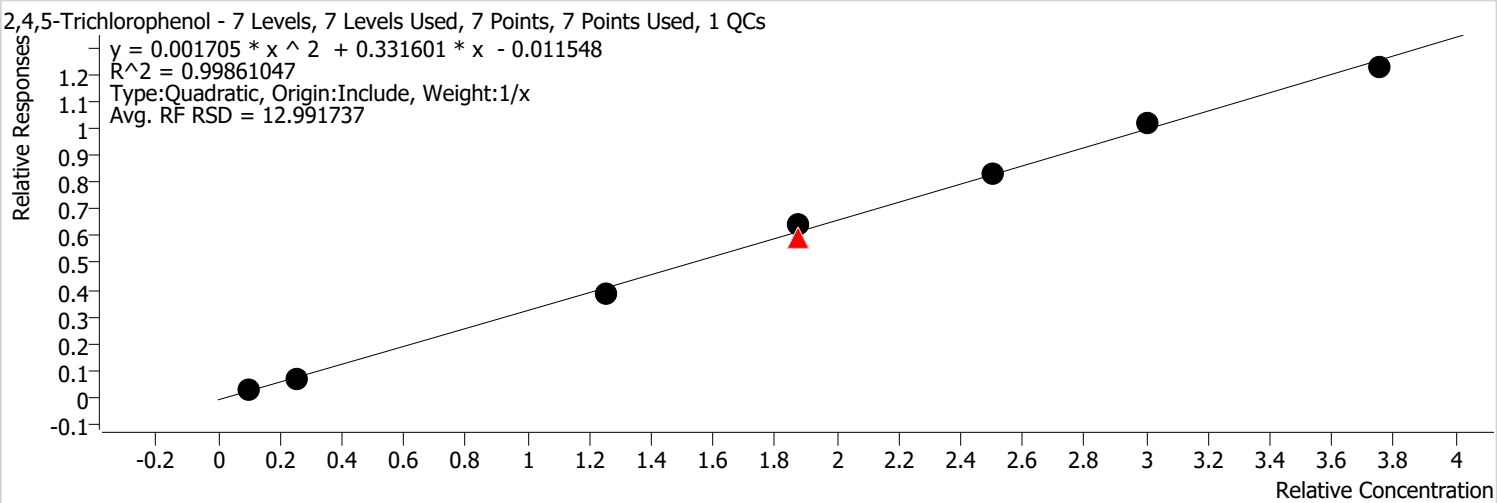
Report Time	2/19/2022 1:09:14 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2,4,5-Trichlorophenol %RSE = 8.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	223316	50.0000	0.3069	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	383595	75.0000	0.3191	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	325852	75.0000	0.3190	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	351204	75.0000	0.3418	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	481776	100.0000	0.3341	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	587533	120.0000	0.3404	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	685262	150.0000	0.3276	

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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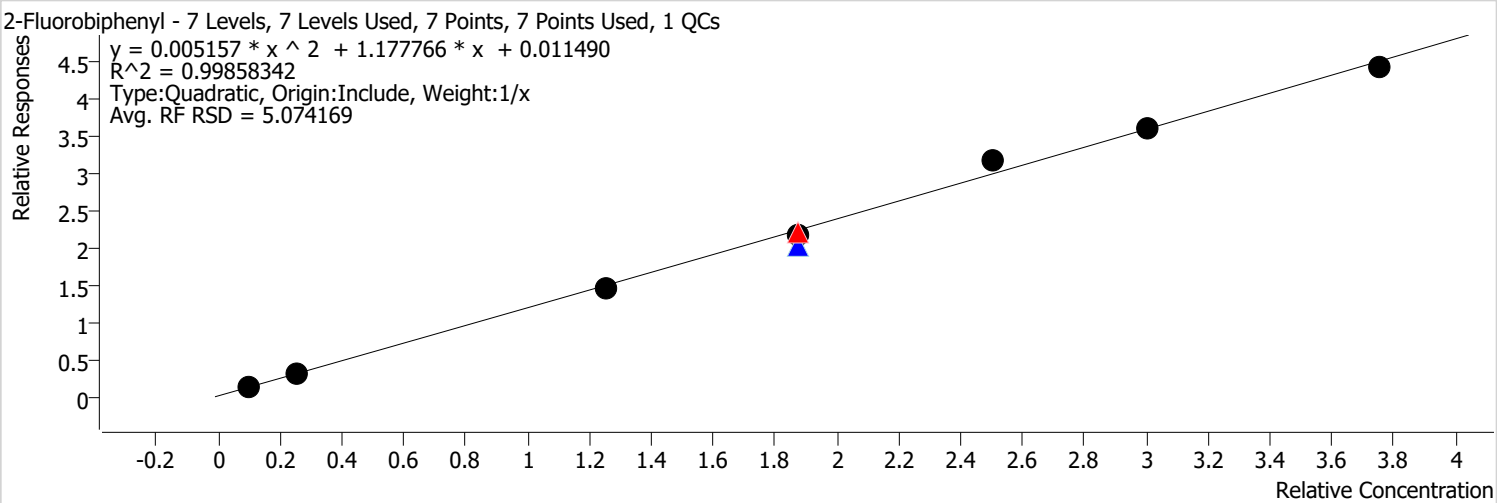
Report Time	2/19/2022 1:09:14 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Fluorobiphenyl %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	160369	10.0000	1.2126	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	840492	50.0000	1.1550	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1422702	75.0000	1.1834	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1100230	75.0000	1.0771	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1191628	75.0000	1.1597	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1829747	100.0000	1.2690	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	2072877	120.0000	1.2010	
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Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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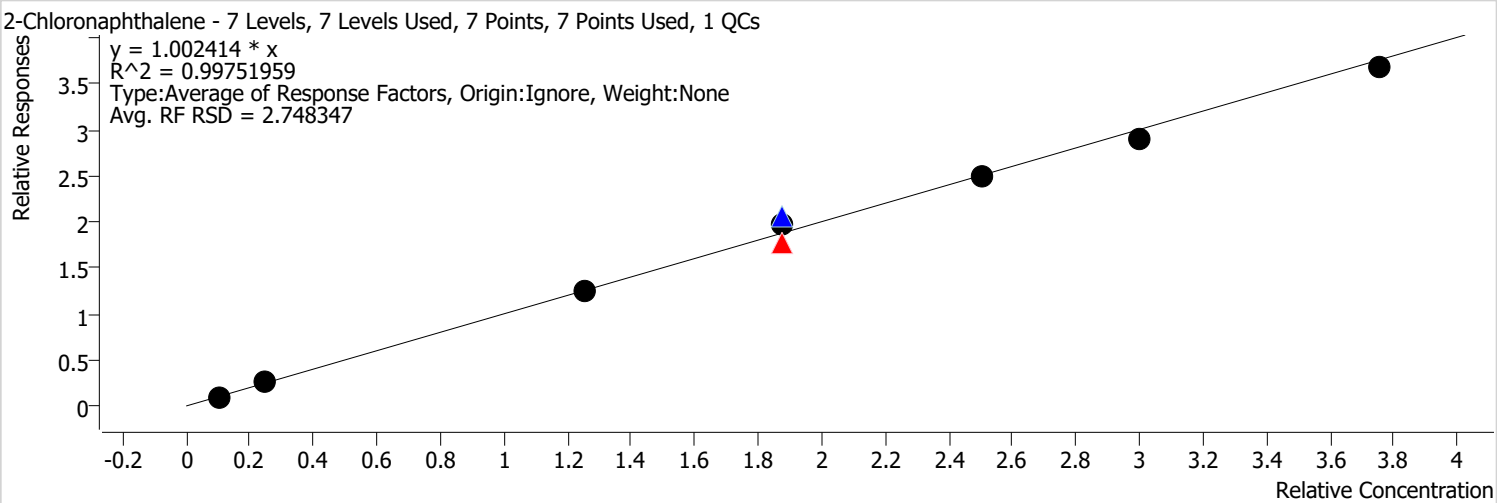
Report Time	2/19/2022 1:09:15 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Chloronaphthalene %RSE = 2.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	133308	10.0000	1.0080	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	726480	50.0000	0.9983	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1141965	75.0000	0.9499	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1122871	75.0000	1.0993	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1085597	75.0000	1.0565	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1444367	100.0000	1.0017	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1673143	120.0000	0.9694	
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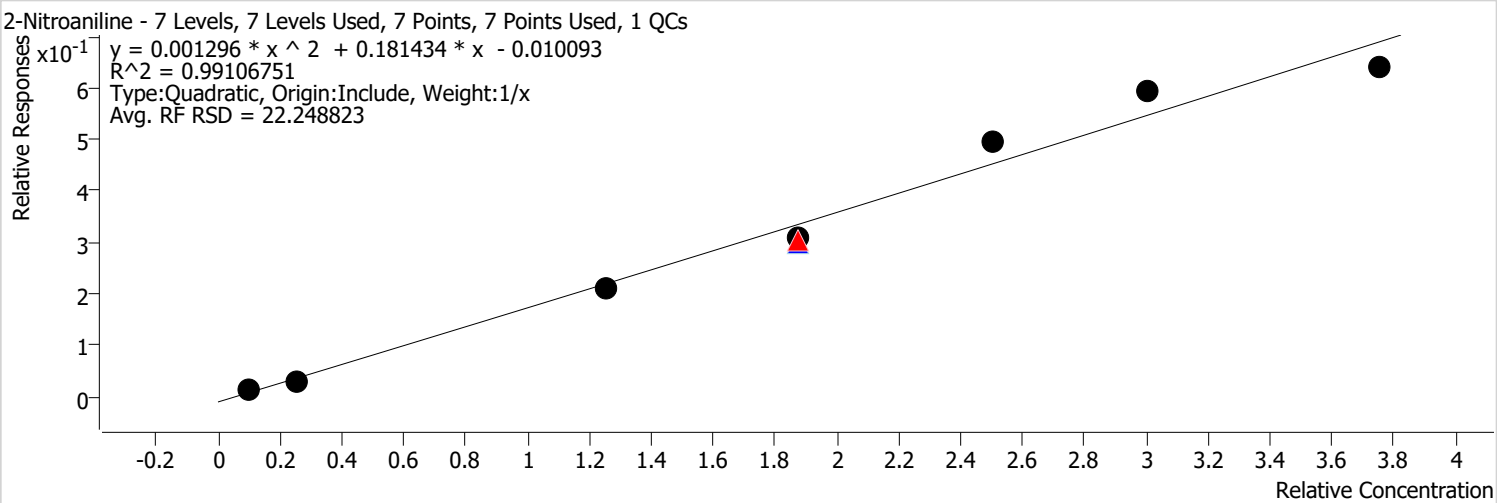
Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:15 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2-Nitroaniline %RSE = 14.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	14804	10.0000	0.1119	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	121485	50.0000	0.1669	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	195504	75.0000	0.1626	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	161803	75.0000	0.1584	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	168135	75.0000	0.1636	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	340794	120.0000	0.1974	
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Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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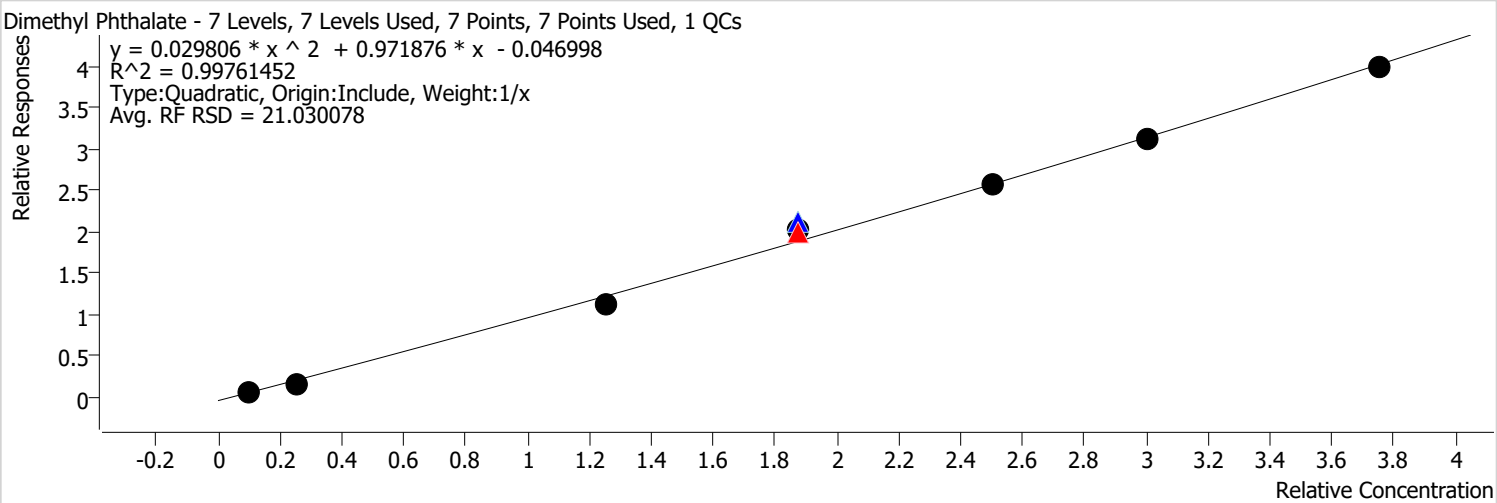
Report Time	2/19/2022 1:09:15 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dimethyl Phthalate %RSE = 11.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	34888	4.0000	0.6475	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	85510	10.0000	0.6466	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	658473	50.0000	0.9048	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1273432	75.0000	1.0592	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1155106	75.0000	1.1308	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1115466	75.0000	1.0856	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1483564	100.0000	1.0289	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1795167	120.0000	1.0401	
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Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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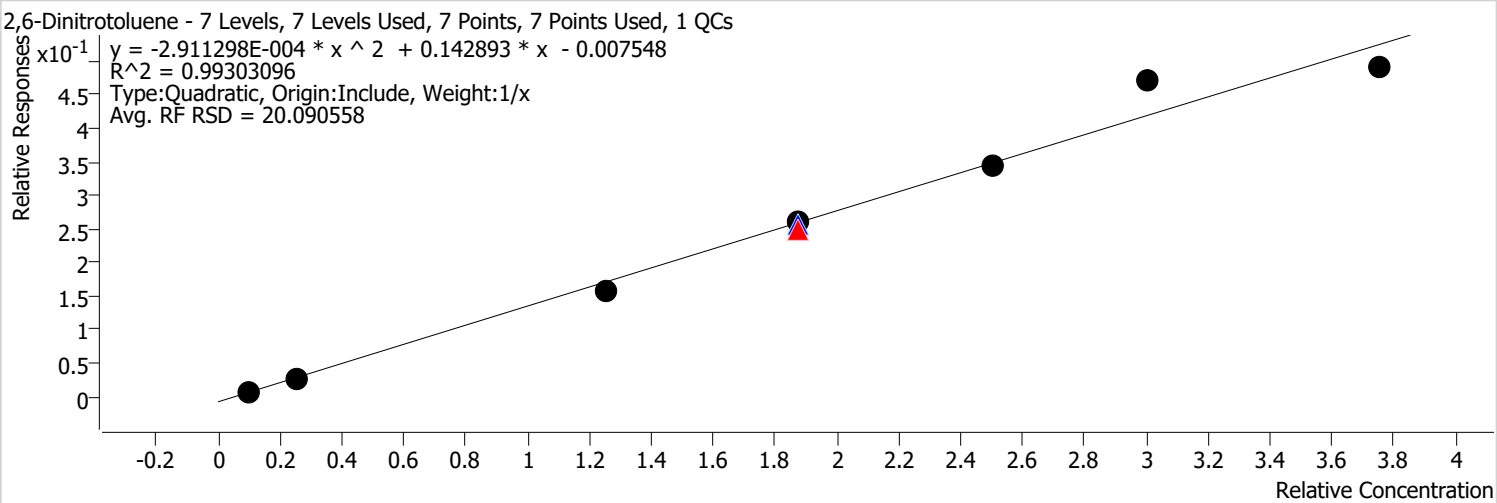
Report Time	2/19/2022 1:09:15 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2,6-Dinitrotoluene %RSE = 10.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	4514	4.0000	0.0838	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	13053	10.0000	0.0987	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	92679	50.0000	0.1274	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	159568	75.0000	0.1327	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	139972	75.0000	0.1370	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	142994	75.0000	0.1392	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	197597	100.0000	0.1370	
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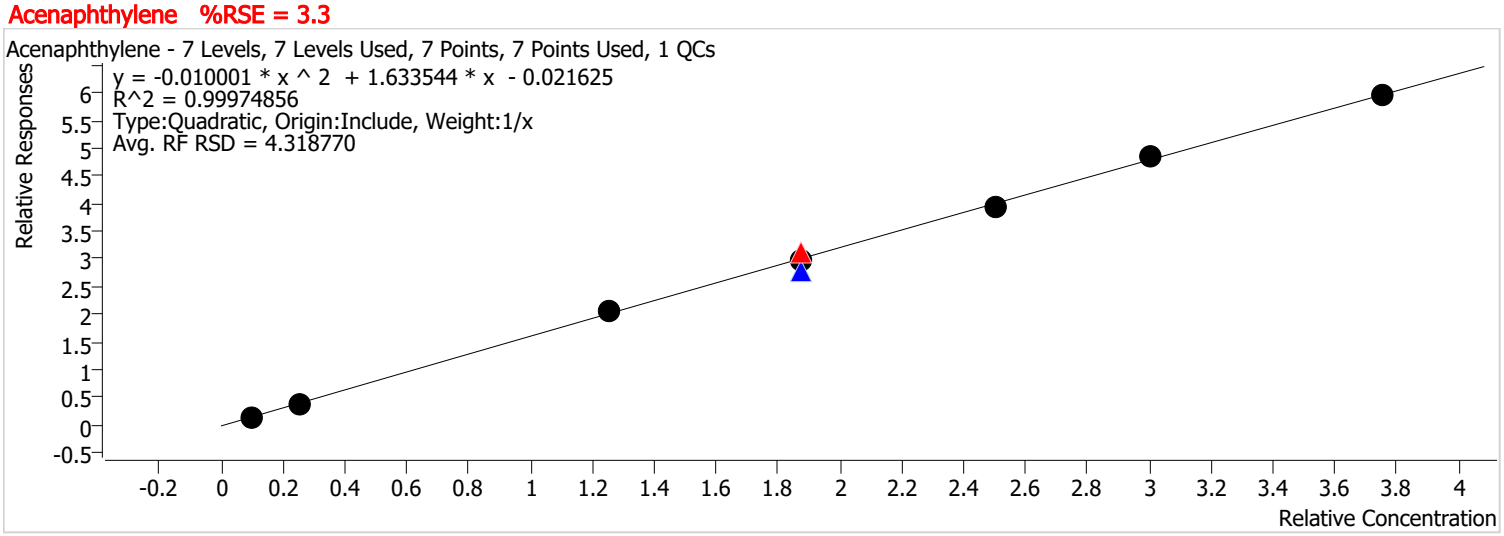
Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:15 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Acenaphthylene %RSE = 3.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	1195576	50.0000	1.6429	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1994516	75.0000	1.6590	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1526451	75.0000	1.4944	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	2278175	100.0000	1.5799	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	2788358	120.0000	1.6155	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	3319452	150.0000	1.5869	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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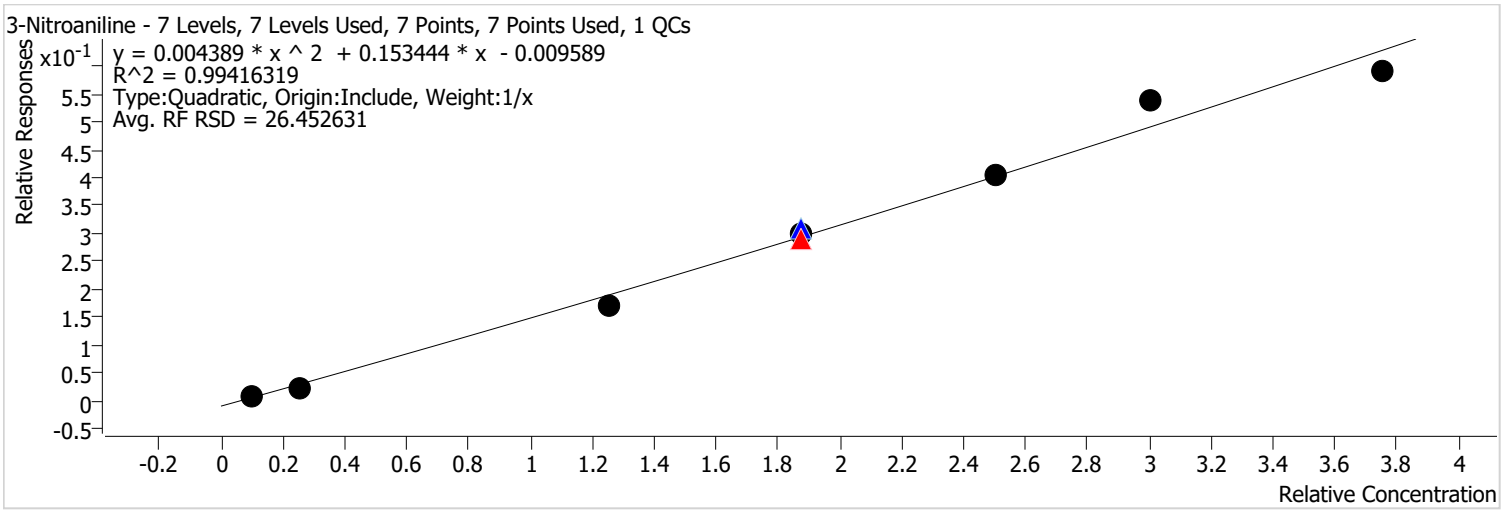
Report Time	2/19/2022 1:09:15 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

3-Nitroaniline %RSE = 12.1



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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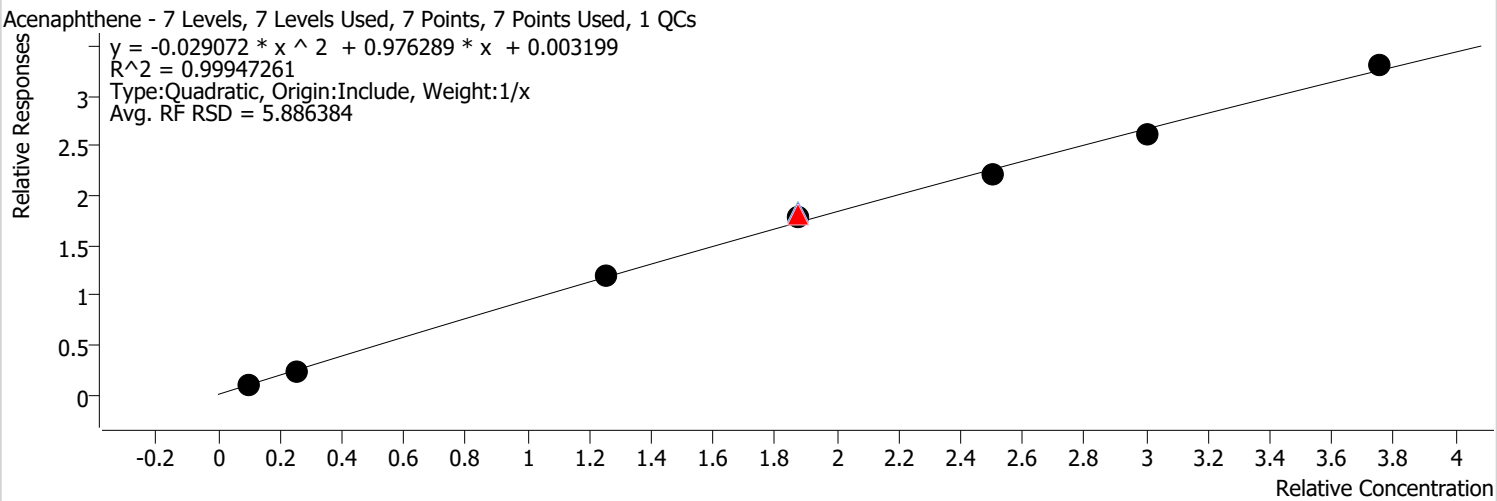
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	12737	10.0000	0.0963	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	99318	50.0000	0.1365	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	187234	75.0000	0.1557	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	169184	75.0000	0.1656	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	165178	75.0000	0.1608	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	233884	100.0000	0.1622	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	309107	120.0000	0.1791	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	328938	150.0000	0.1573	

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:15 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Acenaphthene %RSE = 3.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	125792	10.0000	0.9511	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	694646	50.0000	0.9545	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1162762	75.0000	0.9672	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1009554	75.0000	0.9883	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	972895	75.0000	0.9469	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1278423	100.0000	0.8866	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1503475	120.0000	0.8711	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	1843621	150.0000	0.8814	

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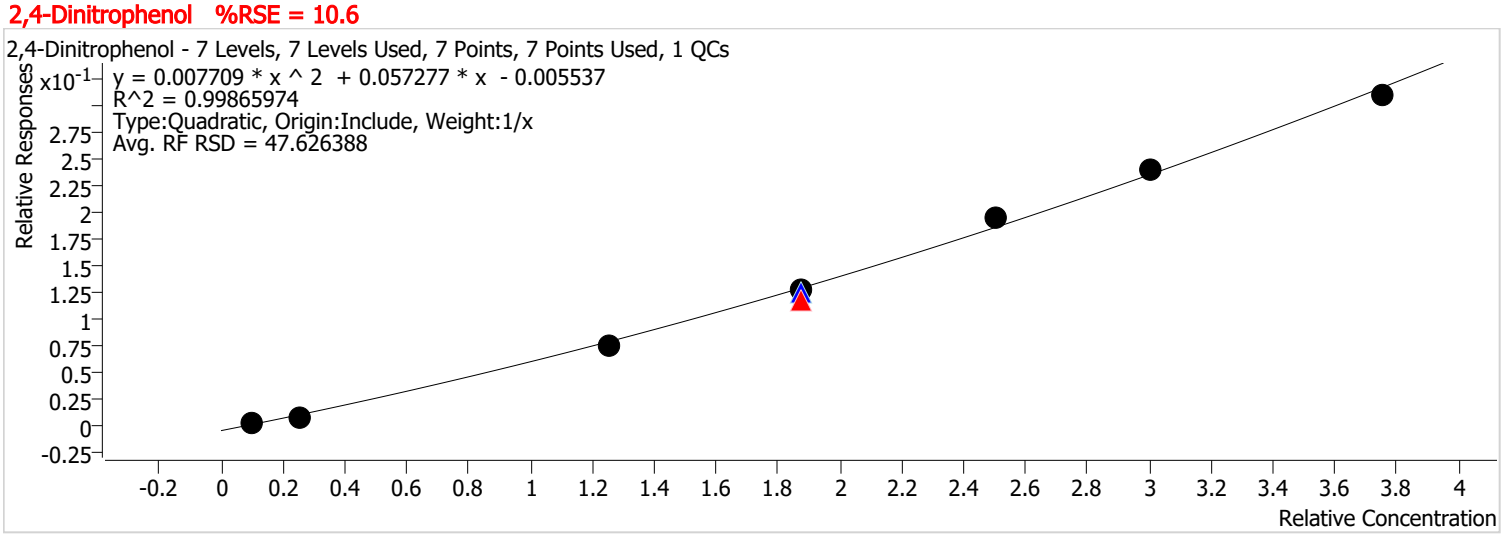
Report Time	2/19/2022 1:09:15 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2,4-Dinitrophenol %RSE = 10.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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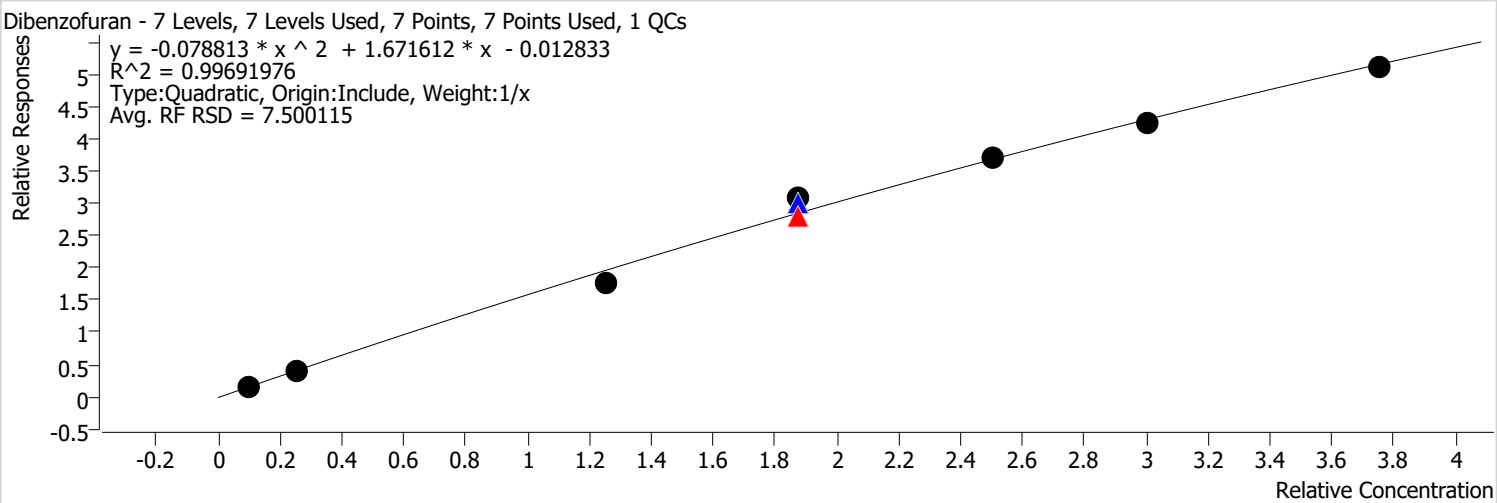
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	3755	10.0000	0.0284	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	43823	50.0000	0.0602	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	75763	75.0000	0.0630	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	68442	75.0000	0.0670	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	69917	75.0000	0.0680	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	112195	100.0000	0.0778	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	138026	120.0000	0.0800	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	173045	150.0000	0.0827	

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:16 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dibenzofuran %RSE = 8.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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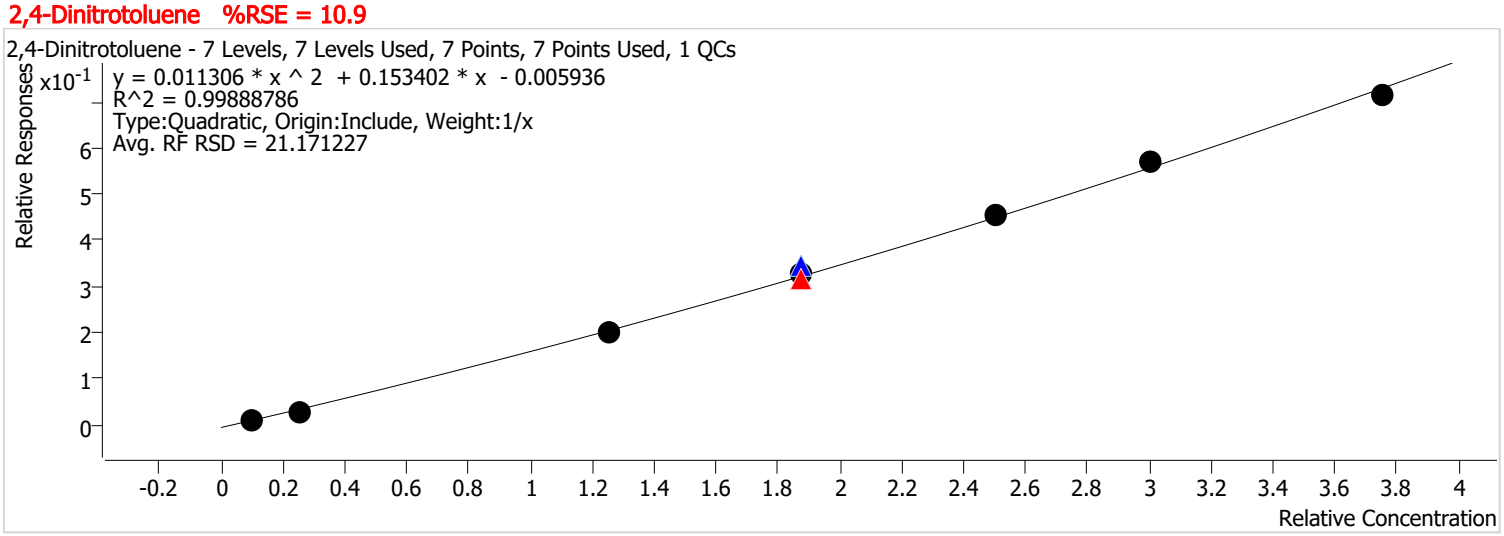
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	200815	10.0000	1.5184	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	1034897	50.0000	1.4221	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1786565	75.0000	1.4860	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1641005	75.0000	1.6065	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1694536	75.0000	1.6492	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	2138324	100.0000	1.4830	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	2443689	120.0000	1.4158	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	2842991	150.0000	1.3592	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:16 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2,4-Dinitrotoluene %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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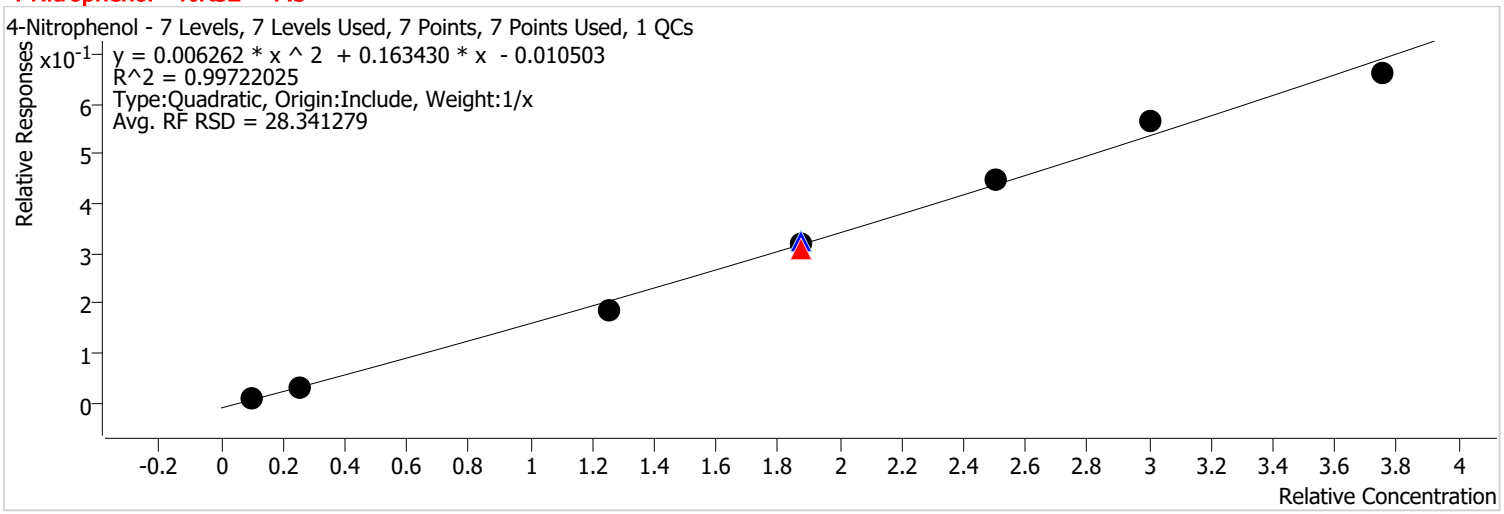
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	14287	10.0000	0.1080	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	115884	50.0000	0.1592	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	203568	75.0000	0.1693	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	186566	75.0000	0.1826	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	177941	75.0000	0.1732	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	261377	100.0000	0.1813	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	328858	120.0000	0.1905	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	397564	150.0000	0.1901	

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:16 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

4-Nitrophenol %RSE = 7.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	14966	10.0000	0.1132	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	108704	50.0000	0.1494	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	199026	75.0000	0.1655	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	178388	75.0000	0.1746	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	176351	75.0000	0.1716	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	258897	100.0000	0.1795	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	326746	120.0000	0.1893	
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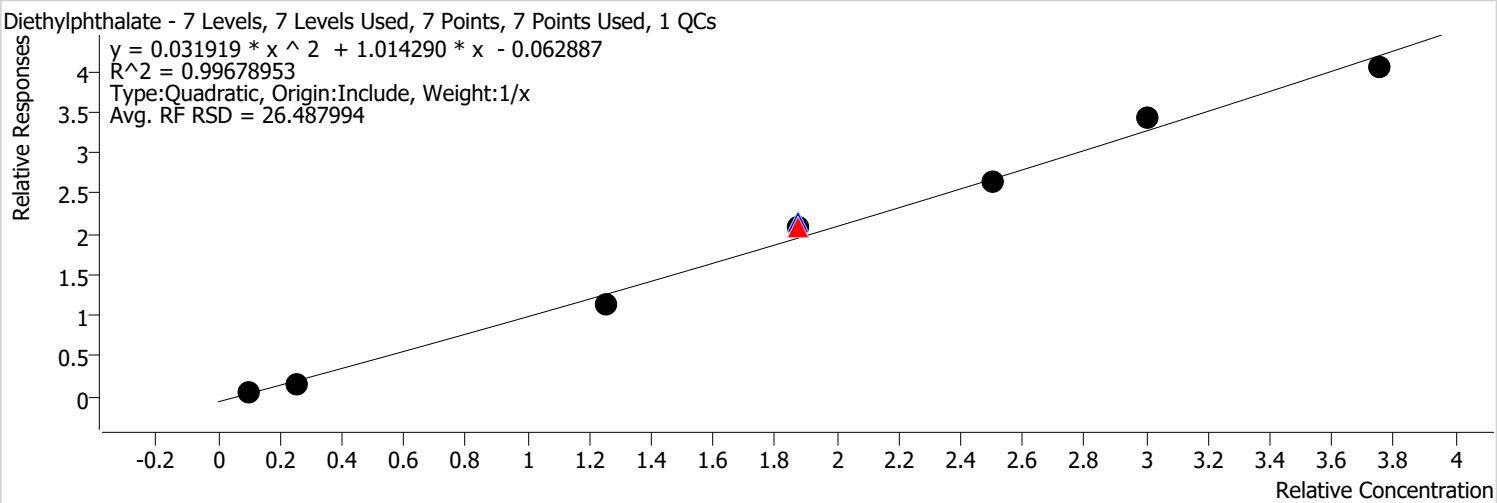
Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:16 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

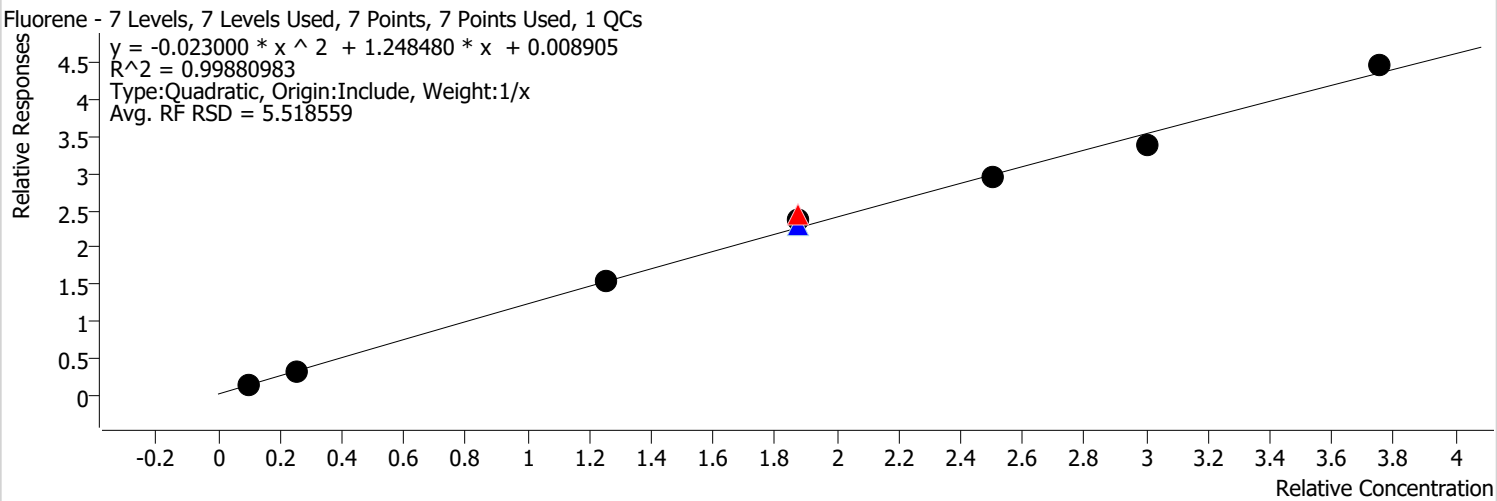
Diethylphthalate %RSE = 10.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	28496	4.0000	0.5289	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	84750	10.0000	0.6408	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	670192	50.0000	0.9209	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1344850	75.0000	1.1186	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1166621	75.0000	1.1421	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1135235	75.0000	1.1049	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1525106	100.0000	1.0577	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1980149	120.0000	1.1473	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	2256164	150.0000	1.0786	

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:16 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Fluorene %RSE = 3.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	167603	10.0000	1.2673	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	891630	50.0000	1.2252	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1577199	75.0000	1.3119	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1266305	75.0000	1.2397	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1295239	75.0000	1.2606	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1700560	100.0000	1.1794	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1952030	120.0000	1.1310	
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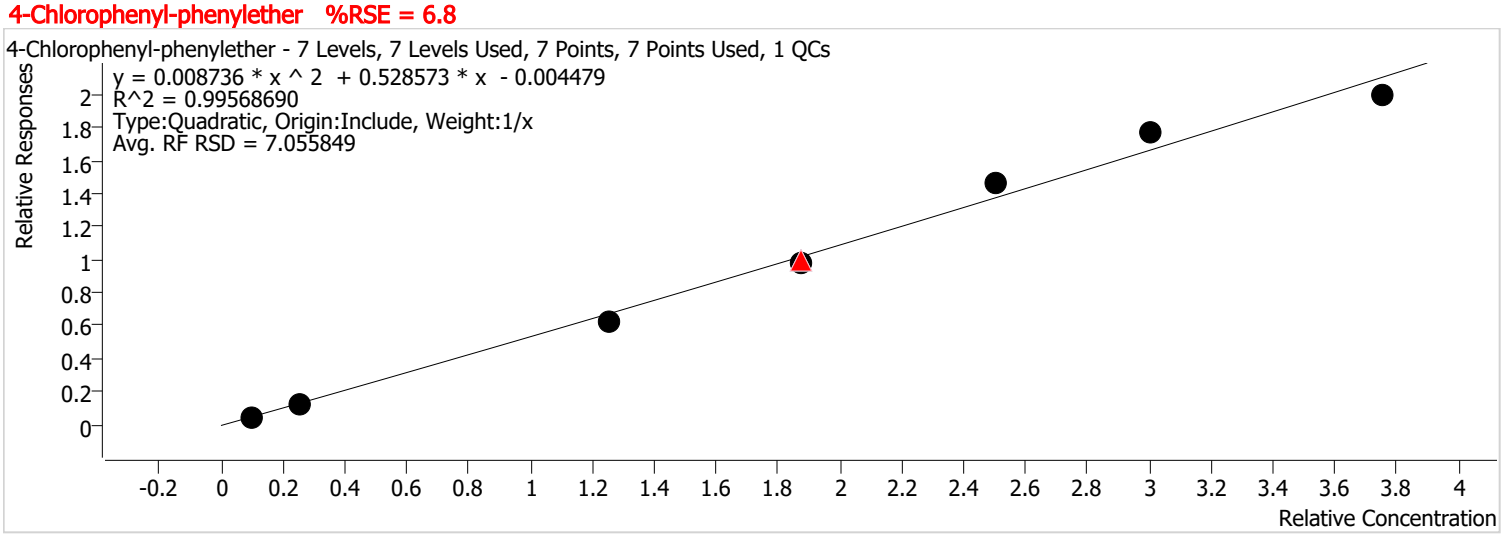
Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:16 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

4-Chlorophenyl-phenylether %RSE = 6.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	67338	10.0000	0.5092	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	359843	50.0000	0.4945	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	637361	75.0000	0.5301	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	542729	75.0000	0.5313	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	538645	75.0000	0.5242	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1017662	120.0000	0.5896	
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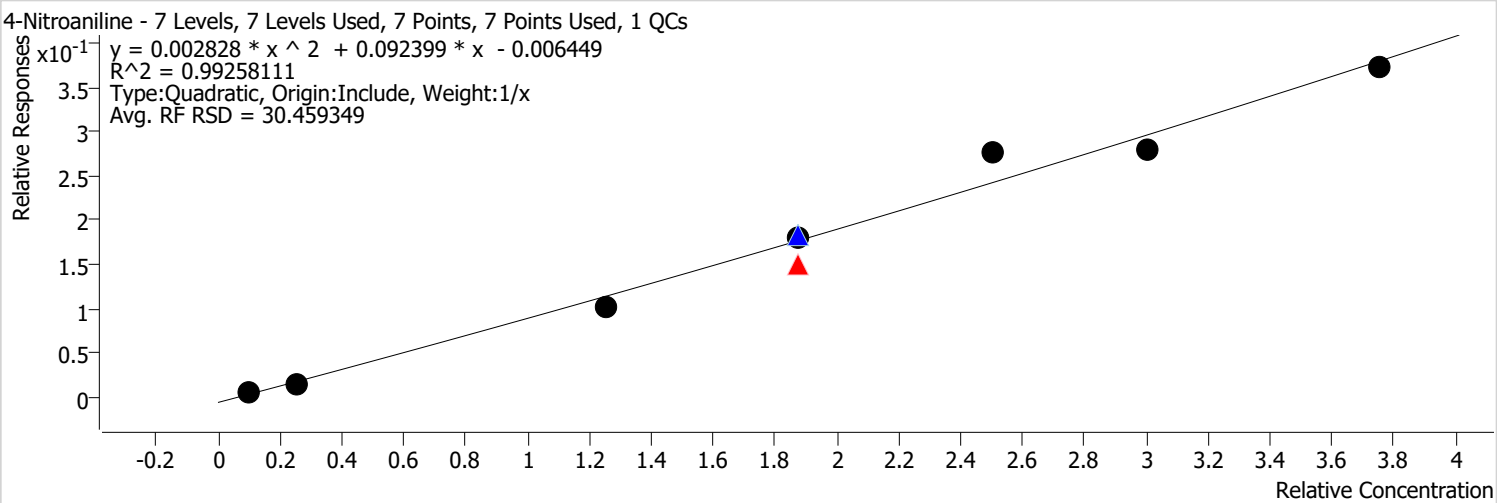
Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:16 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

4-Nitroaniline %RSE = 11.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	13023	10.0000	0.0576	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	103404	50.0000	0.0808	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	164119	75.0000	0.0801	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	174323	75.0000	0.0970	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	183095	75.0000	0.0954	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	289316	100.0000	0.1107	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	291518	120.0000	0.0935	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	363865	150.0000	0.0994	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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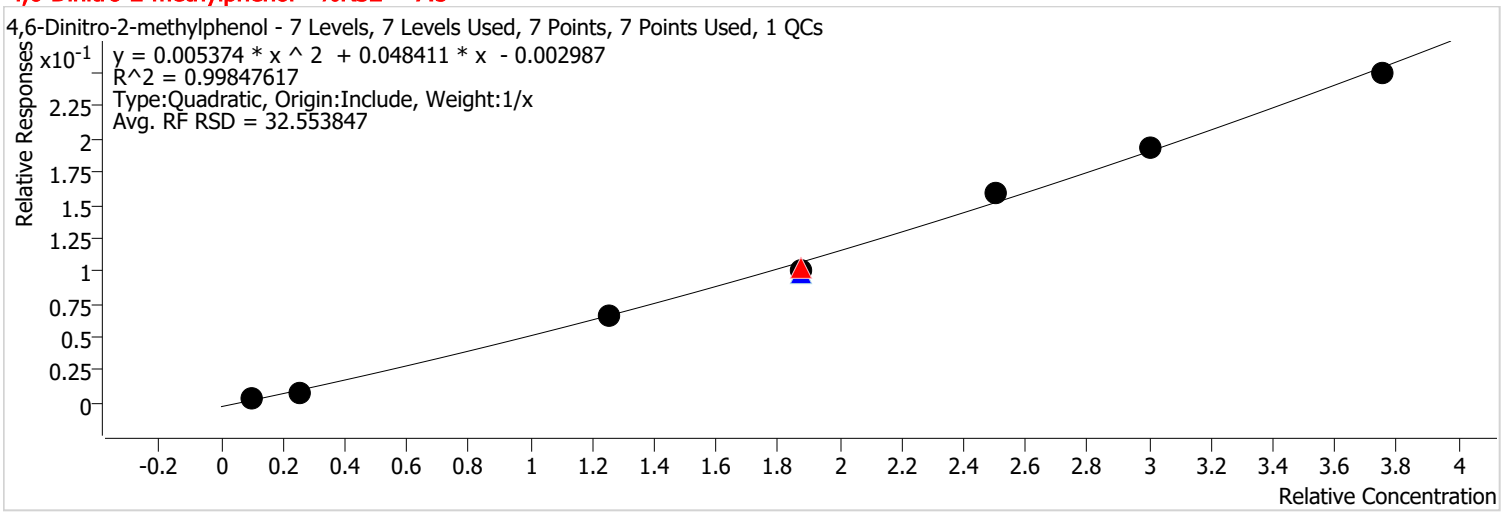
Report Time	2/19/2022 1:09:16 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

4,6-Dinitro-2-methylphenol %RSE = 7.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	68013	50.0000	0.0532	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	111273	75.0000	0.0543	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	94058	75.0000	0.0523	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	103285	75.0000	0.0538	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	167223	100.0000	0.0640	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	200519	120.0000	0.0643	
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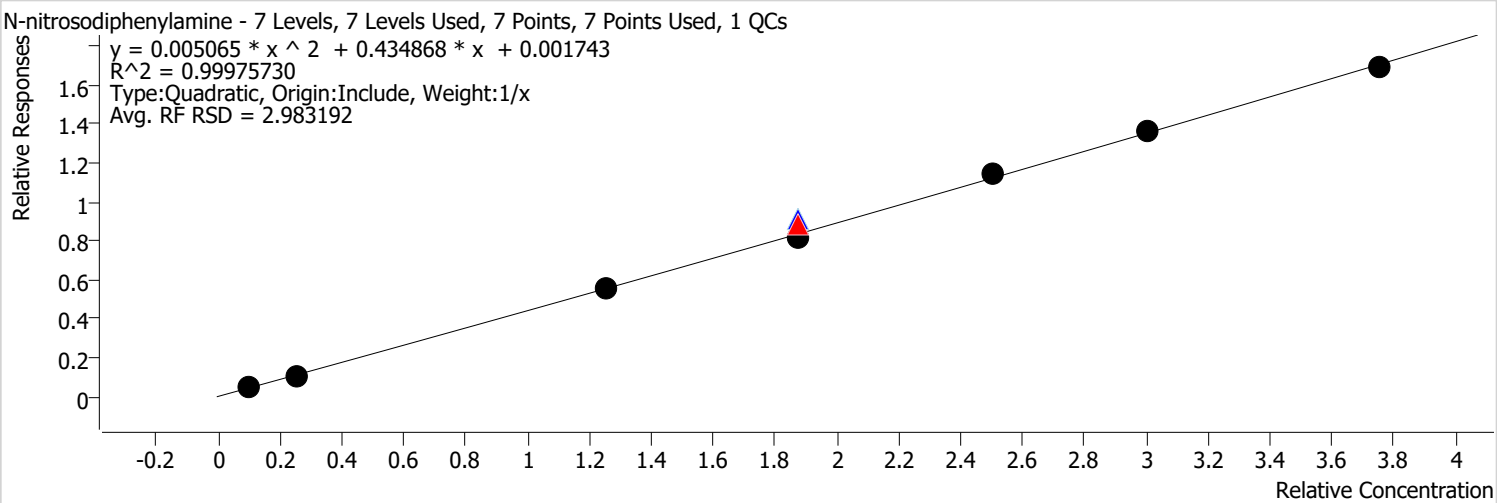
Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:17 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

N-nitrosodiphenylamine %RSE = 2.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	96753	10.0000	0.4280	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	563505	50.0000	0.4404	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	967358	75.0000	0.4721	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	880335	75.0000	0.4899	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	843058	75.0000	0.4391	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1196082	100.0000	0.4578	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1414366	120.0000	0.4535	
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Calibration Report

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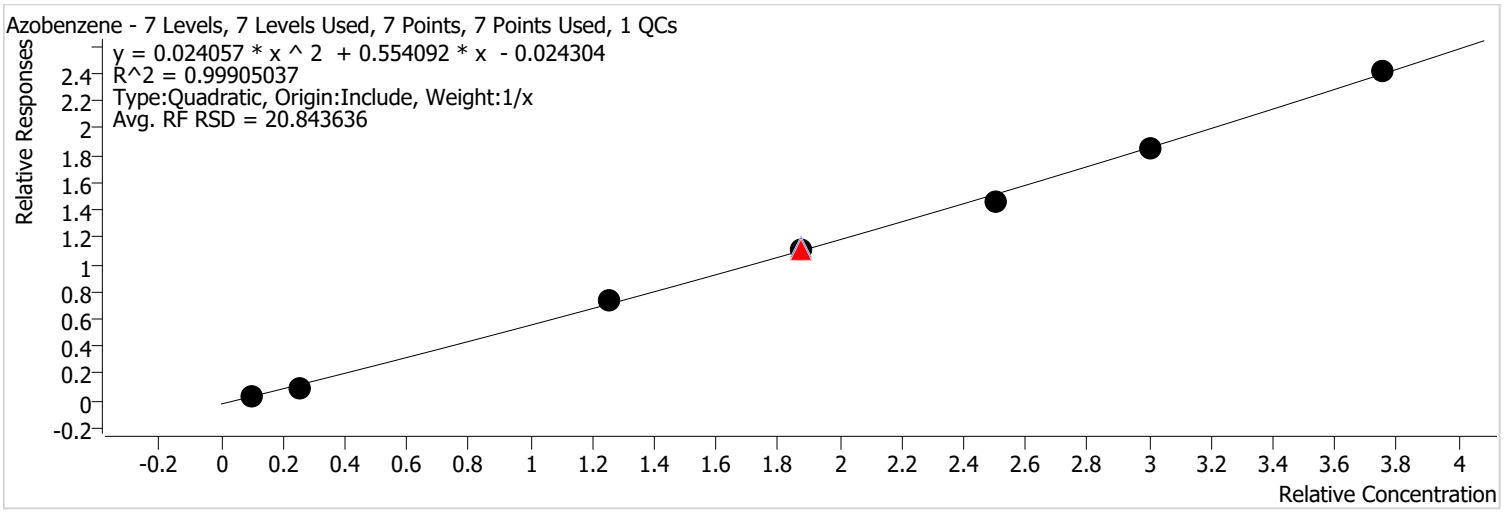
Report Time	2/19/2022 1:09:17 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Azobenzene %RSE = 7.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	757604	50.0000	0.5922	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1201140	75.0000	0.5862	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1088752	75.0000	0.6059	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1137228	75.0000	0.5923	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1518549	100.0000	0.5812	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1932785	120.0000	0.6197	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	2354024	150.0000	0.6429	

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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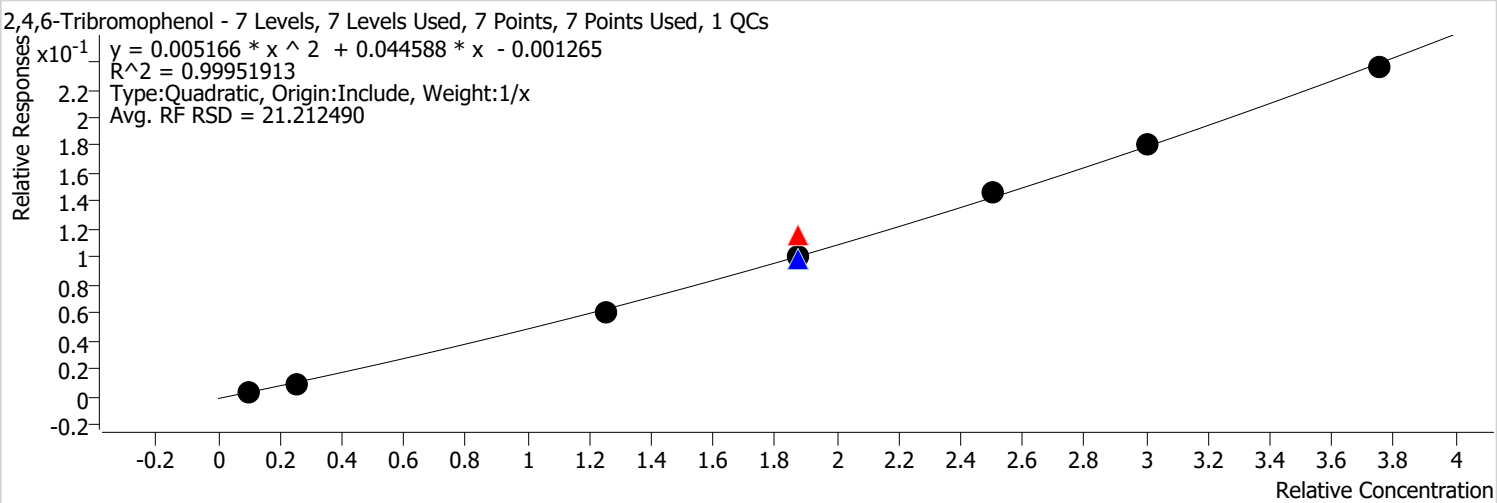
Report Time	2/19/2022 1:09:17 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

2,4,6-Tribromophenol %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	62354	50.0000	0.0487	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	126534	75.0000	0.0618	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	94811	75.0000	0.0528	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	103422	75.0000	0.0539	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	152661	100.0000	0.0584	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	187319	120.0000	0.0601	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	230054	150.0000	0.0628	

Calibration Report

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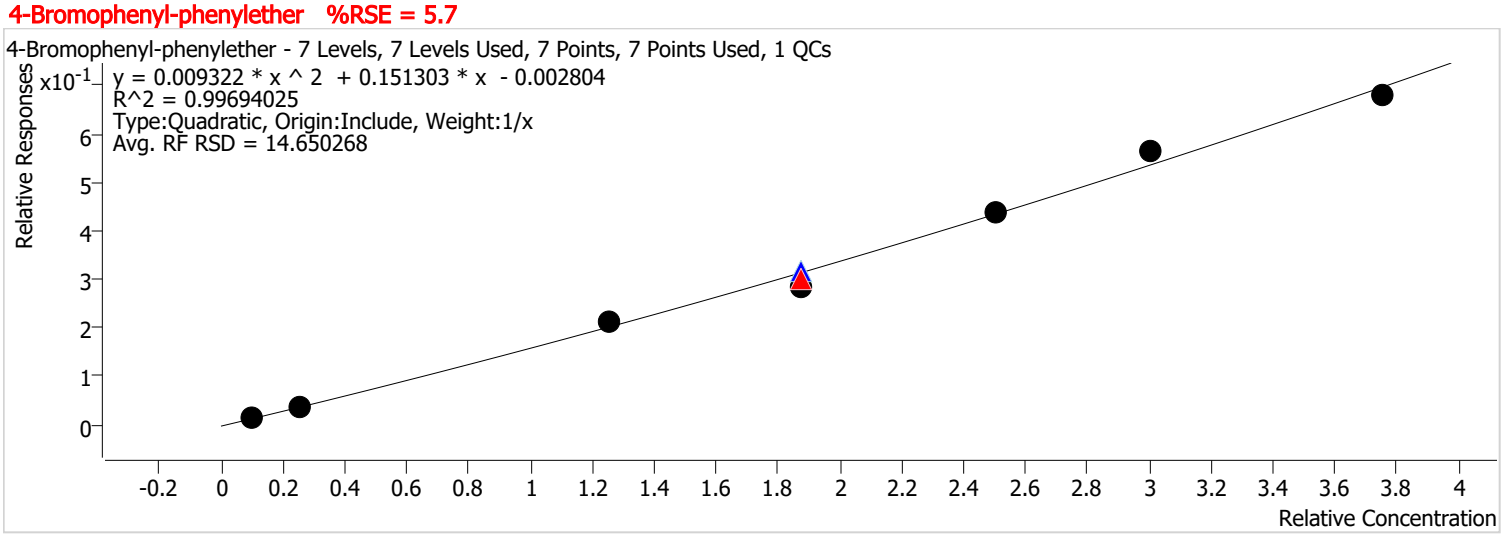
Report Time	2/19/2022 1:09:17 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

4-Bromophenyl-phenylether %RSE = 5.7



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	331289	75.0000	0.1617	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	303382	75.0000	0.1688	
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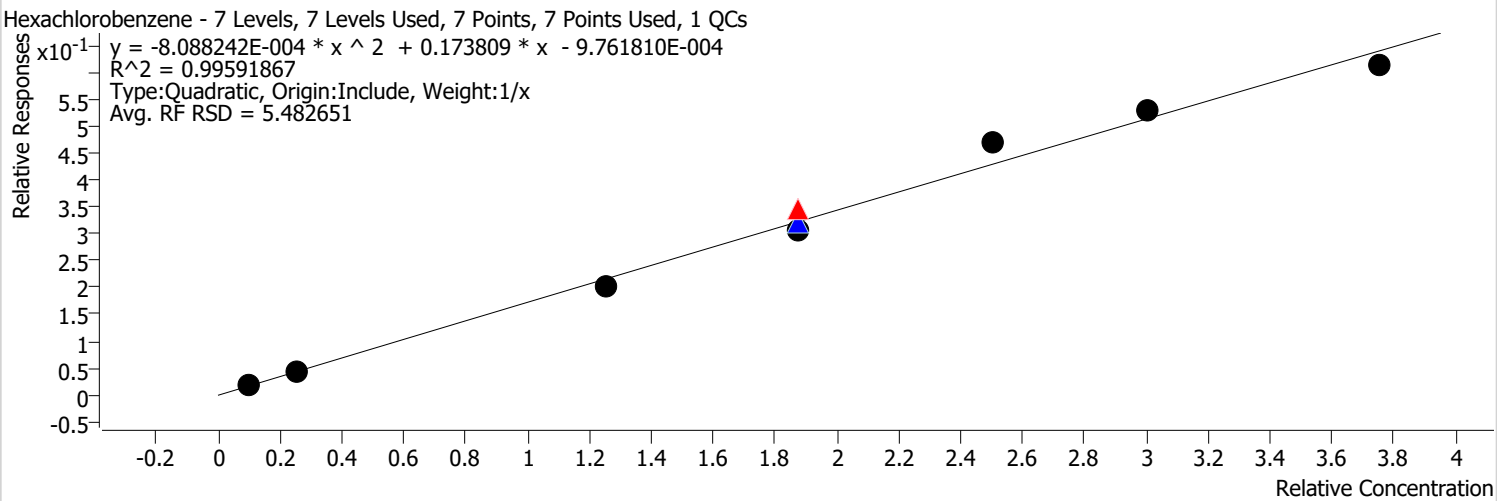
Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:17 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Hexachlorobenzene %RSE = 7.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	37231	10.0000	0.1647	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	208046	50.0000	0.1626	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	380611	75.0000	0.1858	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	307143	75.0000	0.1709	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	550809	120.0000	0.1766	
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Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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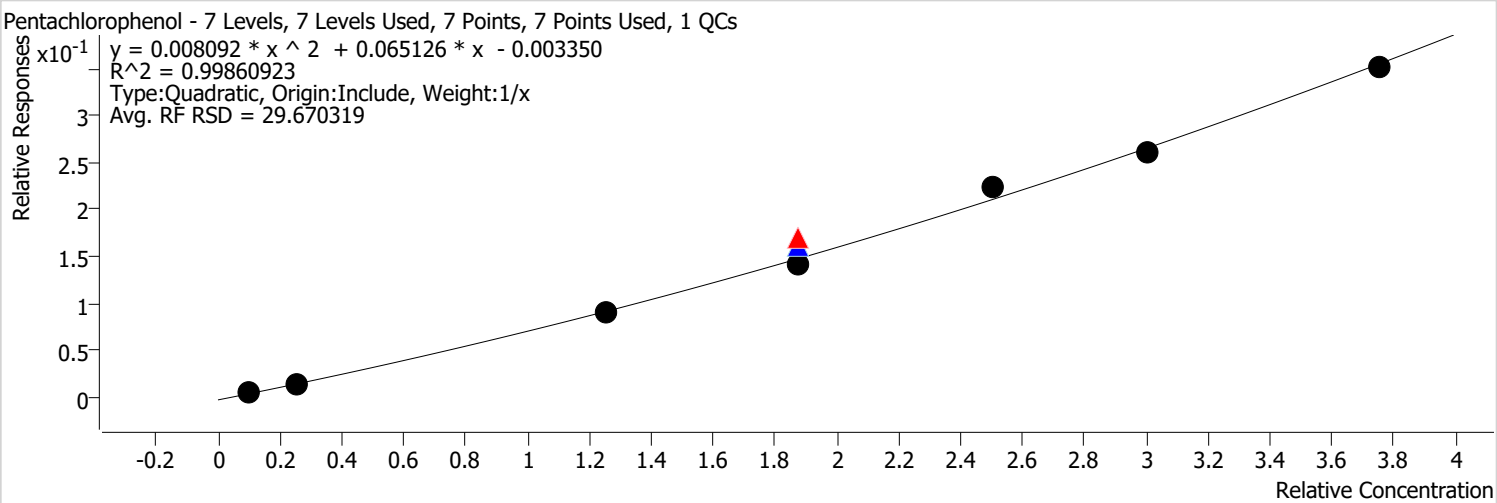
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Pentachlorophenol %RSE = 6.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	91759	50.0000	0.0717	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	186077	75.0000	0.0908	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	154444	75.0000	0.0860	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	145556	75.0000	0.0758	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	233937	100.0000	0.0895	
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Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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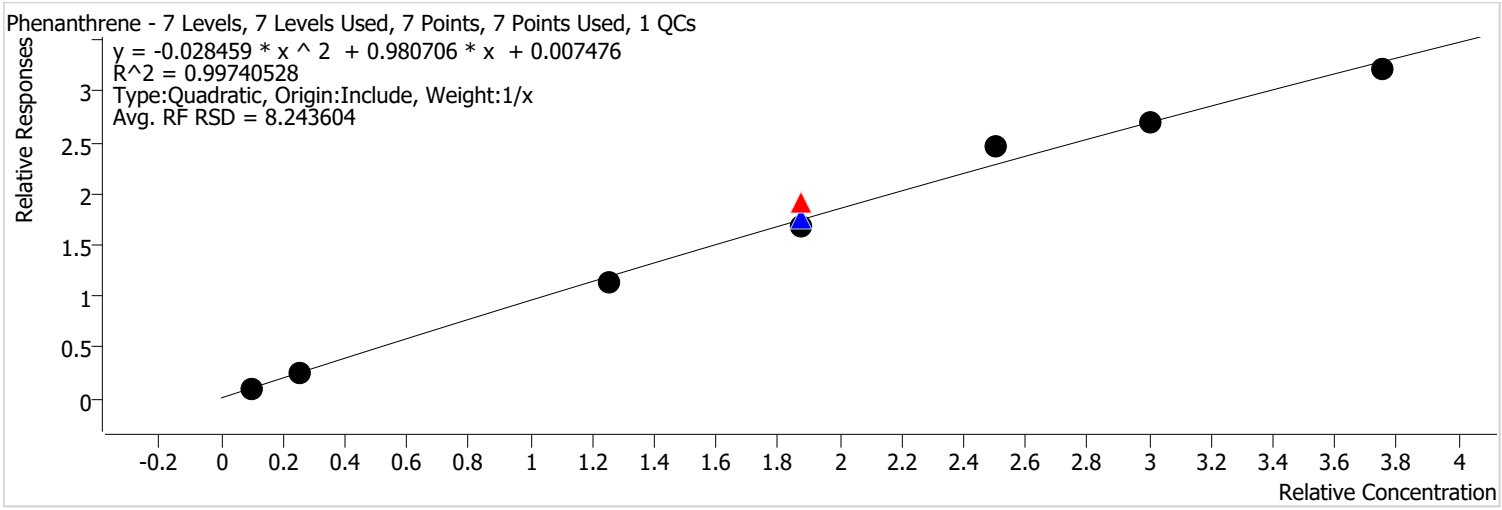
Report Time	2/19/2022 1:09:17 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Phenanthrene %RSE = 5.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	1161938	50.0000	0.9082	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	2090746	75.0000	1.0204	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1690096	75.0000	0.9406	
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Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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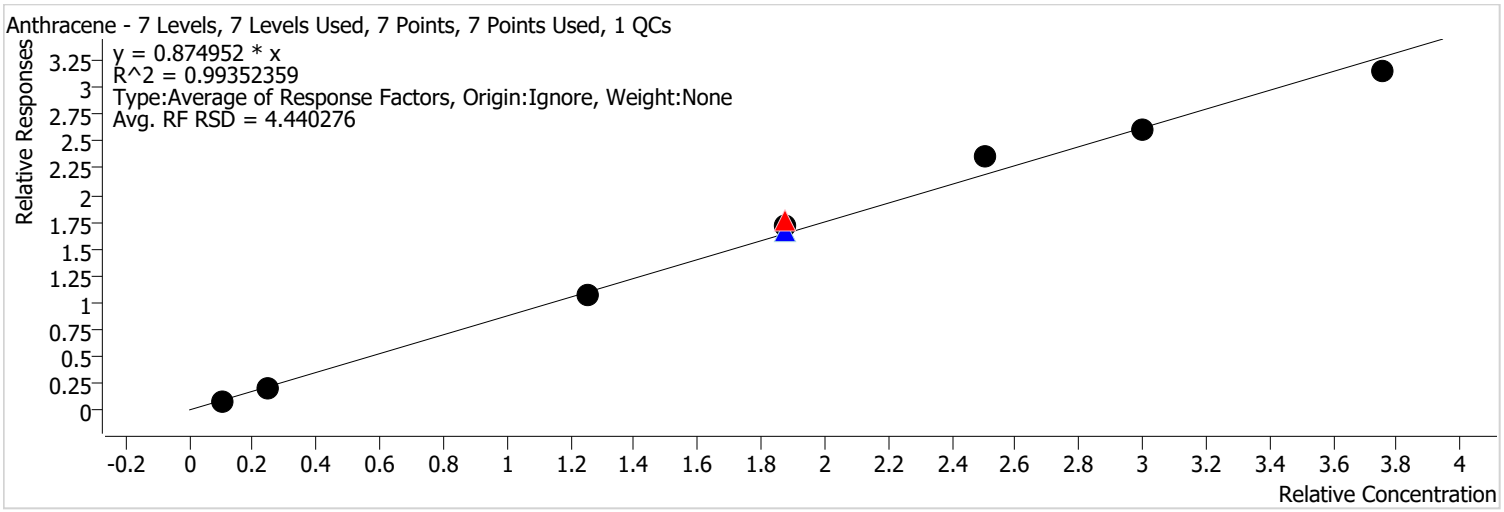
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Anthracene %RSE = 4.4



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	1092607	50.0000	0.8540	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1932770	75.0000	0.9433	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	2471452	100.0000	0.9459	
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Calibration Report

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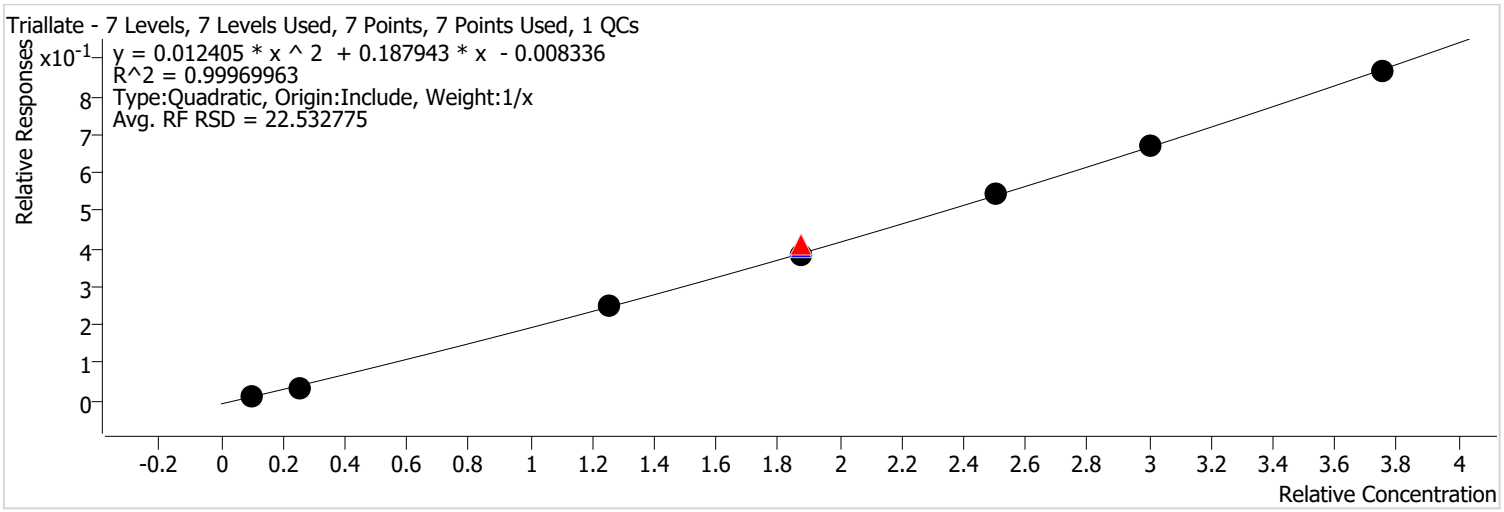
Report Time	2/19/2022 1:09:17 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Triallate %RSE = 6.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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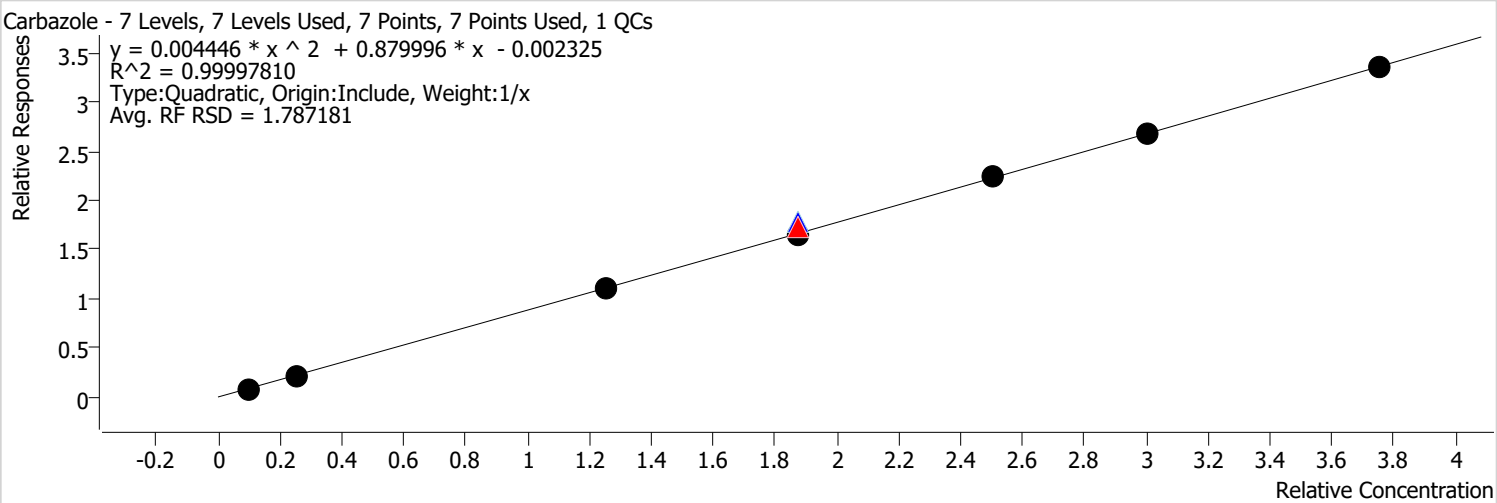
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	31763	10.0000	0.1405	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	255426	50.0000	0.1996	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	450289	75.0000	0.2198	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	390681	75.0000	0.2174	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	391641	75.0000	0.2040	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	570358	100.0000	0.2183	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	696512	120.0000	0.2233	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	845447	150.0000	0.2309	

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:18 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Carbazole %RSE = 0.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	1123980	50.0000	0.8785	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1878552	75.0000	0.9169	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1718160	75.0000	0.9562	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1698426	75.0000	0.8845	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	2334657	100.0000	0.8935	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	2794889	120.0000	0.8961	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	3271481	150.0000	0.8934	

Calibration Report

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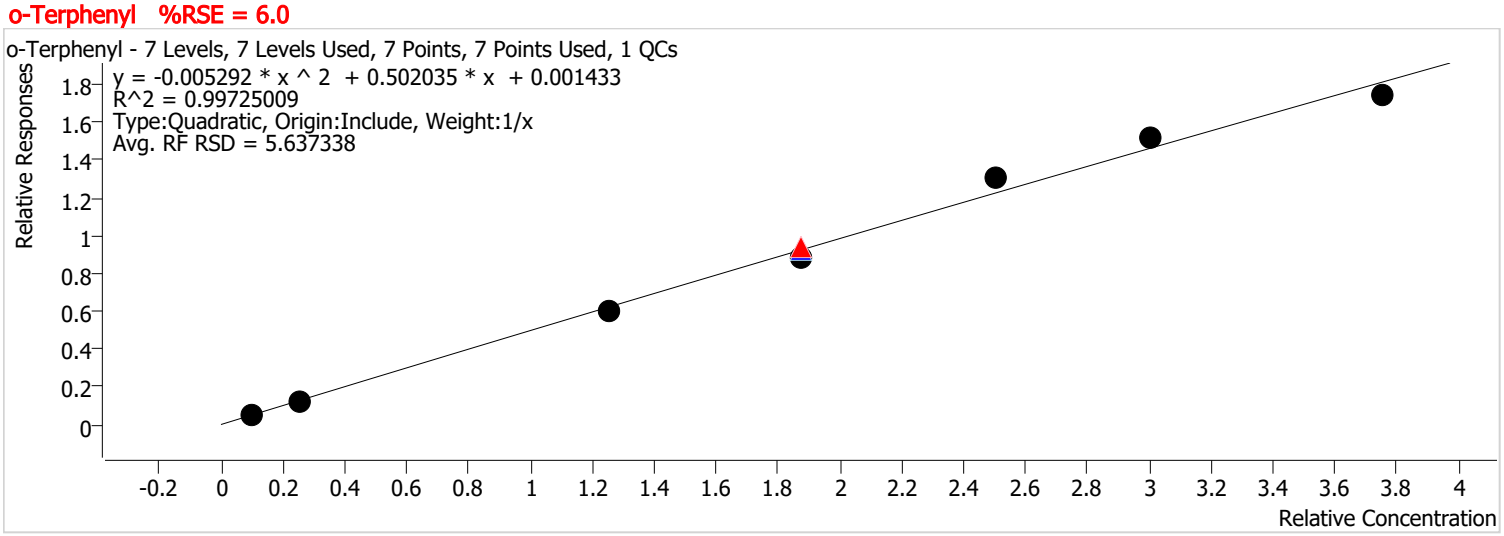
Report Time	2/19/2022 1:09:18 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

o-Terphenyl %RSE = 6.0



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	49755	4.0000	0.5403	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	111061	10.0000	0.4913	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	609529	50.0000	0.4764	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1020356	75.0000	0.4980	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	880627	75.0000	0.4901	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	906169	75.0000	0.4719	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1358973	100.0000	0.5201	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1579903	120.0000	0.5066	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	1697837	150.0000	0.4637	

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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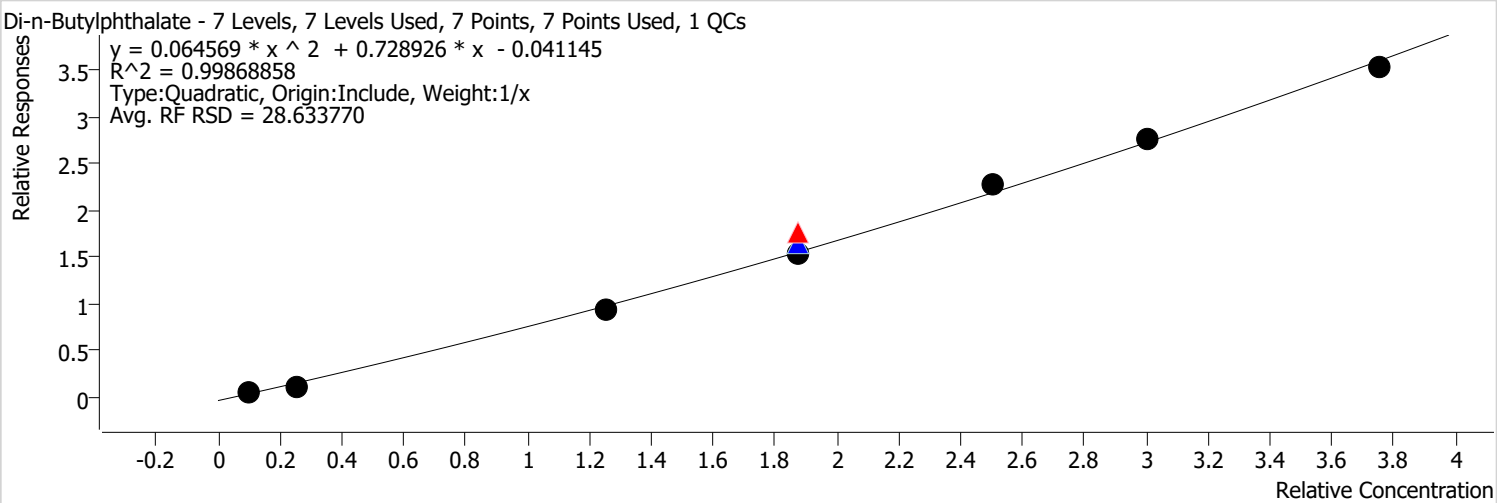
Report Time	2/19/2022 1:09:18 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Di-n-Butylphthalate %RSE = 11.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	102631	10.0000	0.4540	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	970759	50.0000	0.7588	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1932466	75.0000	0.9432	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1581866	75.0000	0.8804	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1582606	75.0000	0.8242	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	2379296	100.0000	0.9106	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	2864235	120.0000	0.9184	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	3446165	150.0000	0.9411	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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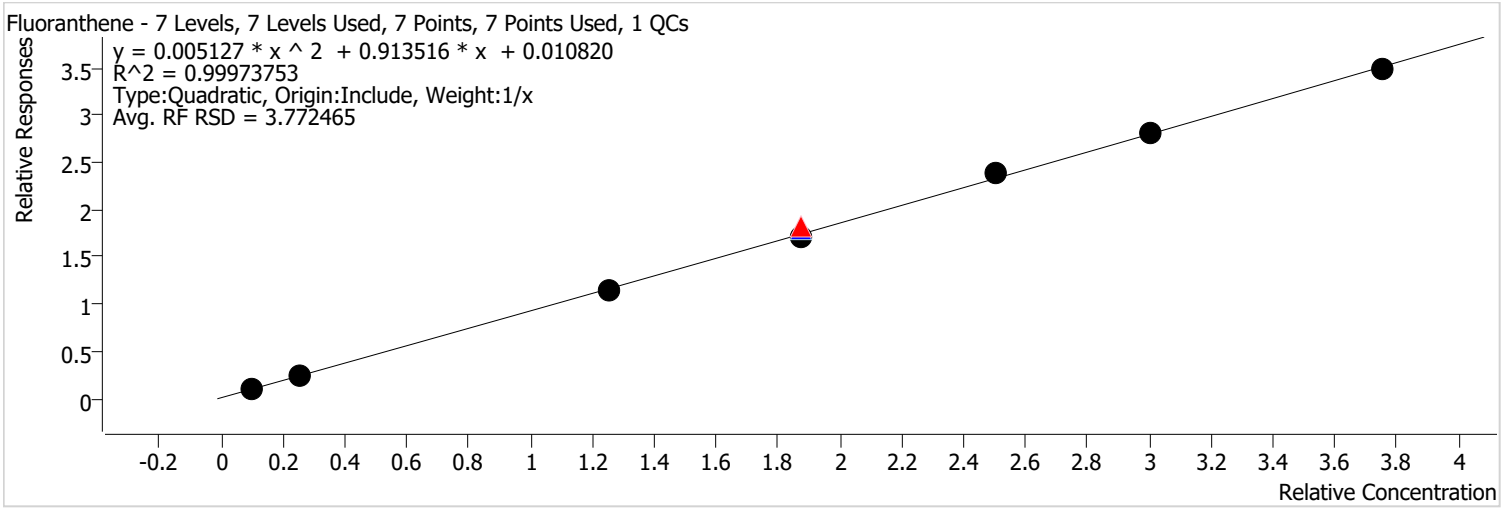
Report Time	2/19/2022 1:09:18 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Fluoranthene %RSE = 1.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	93335	4.0000	1.0136	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	220272	10.0000	0.9744	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	1175583	50.0000	0.9189	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	2004696	75.0000	0.9784	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1727903	75.0000	0.9616	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1750781	75.0000	0.9118	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	2487478	100.0000	0.9520	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	2925734	120.0000	0.9381	
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Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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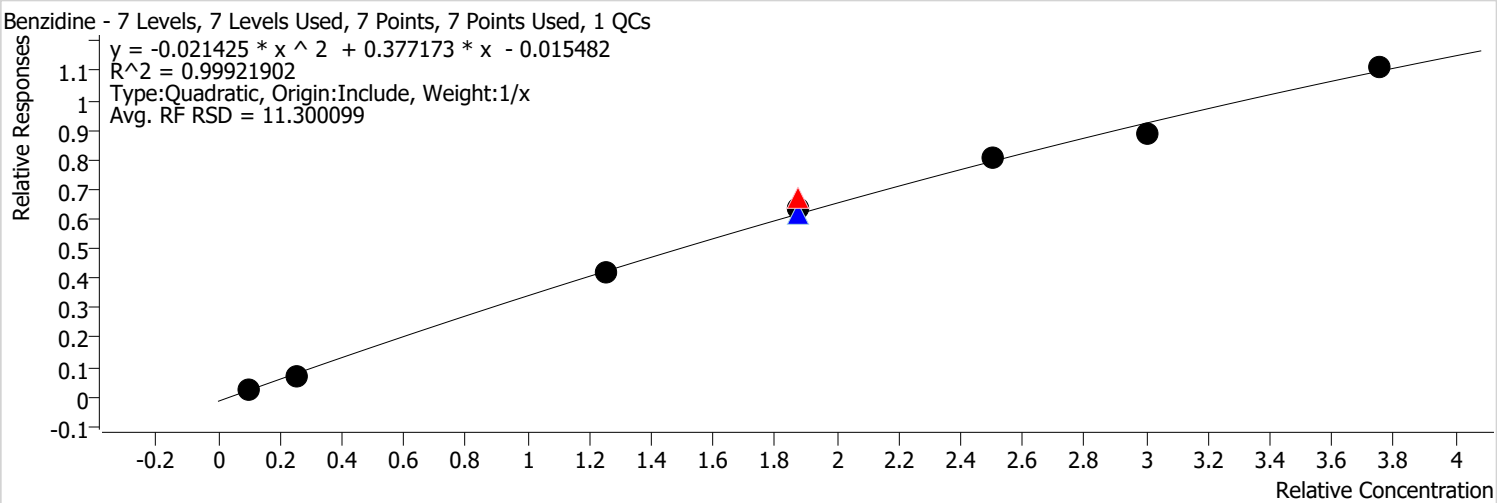
Report Time	2/19/2022 1:09:18 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzidine %RSE = 4.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	22030	4.0000	0.2392	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	65045	10.0000	0.2877	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	430095	50.0000	0.3362	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	735496	75.0000	0.3590	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	590851	75.0000	0.3288	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	841681	100.0000	0.3221	
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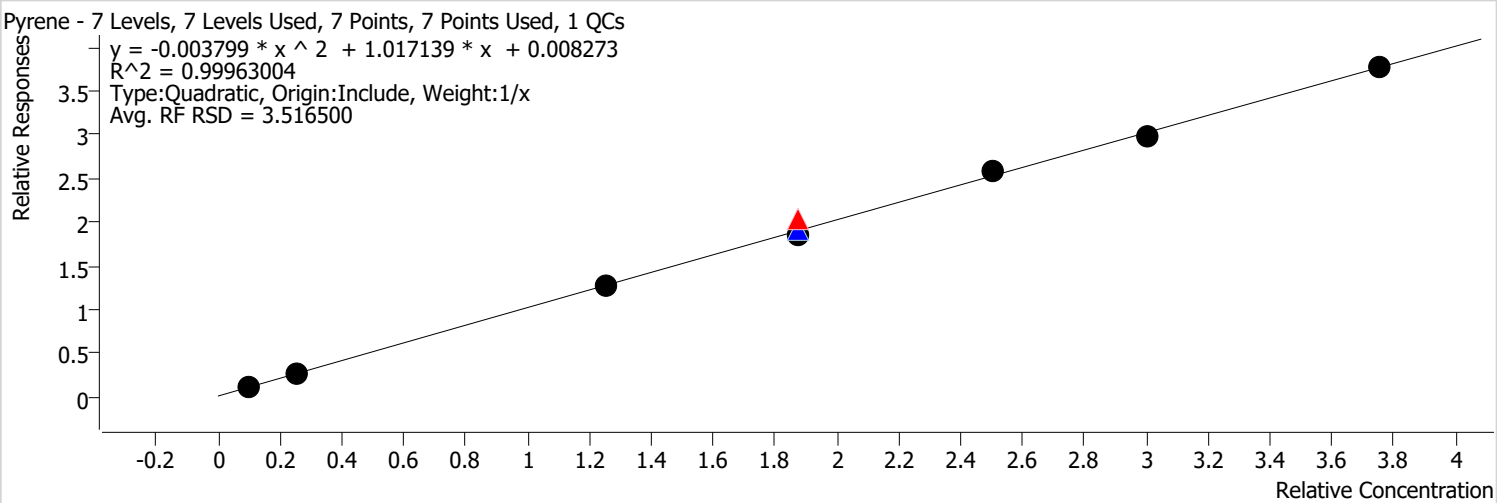
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:18 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Pyrene %RSE = 2.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	100018	4.0000	1.0861	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	240962	10.0000	1.0659	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	1308067	50.0000	1.0224	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	2230965	75.0000	1.0889	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1840668	75.0000	1.0244	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1900991	75.0000	0.9900	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	2716593	100.0000	1.0397	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	3111401	120.0000	0.9976	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	3679726	150.0000	1.0049	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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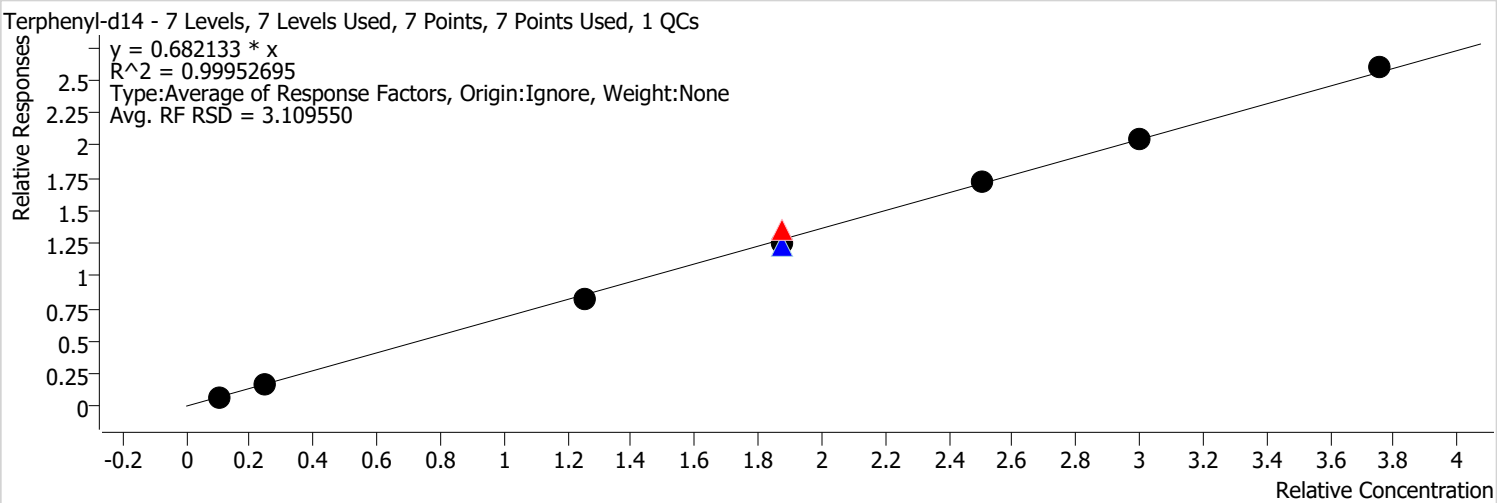
Terphenyl-d14 %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	851147	50.0000	0.6653	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1485259	75.0000	0.7249	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1184579	75.0000	0.6593	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1286275	75.0000	0.6699	
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Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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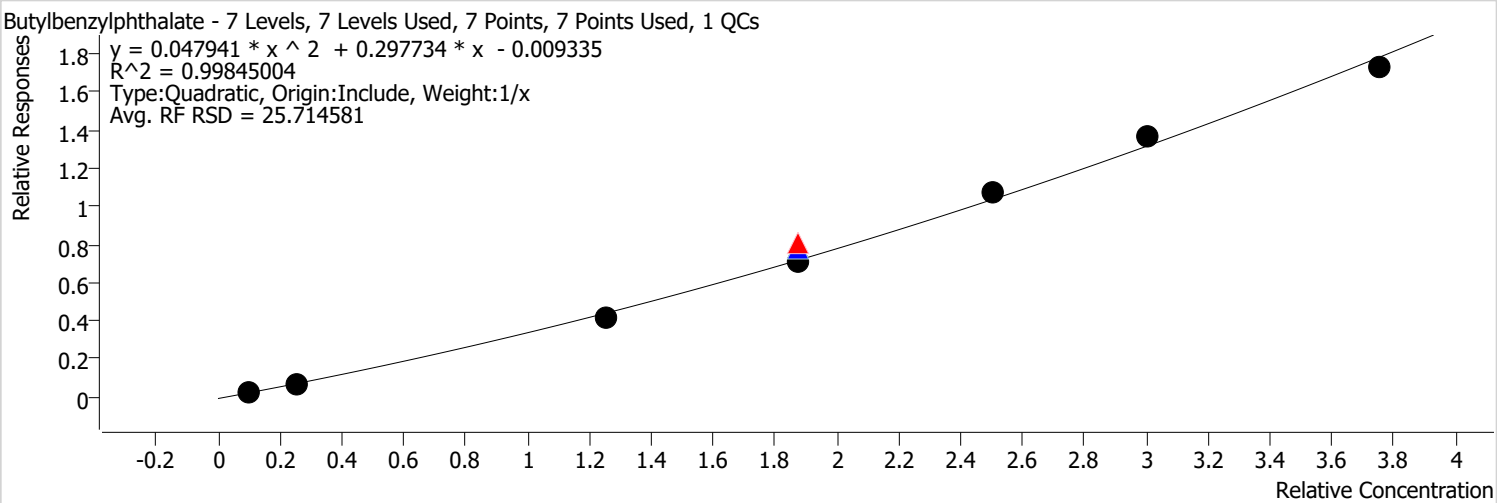
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Butylbenzylphthalate %RSE = 7.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	305113	50.0000	0.3305	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	643377	75.0000	0.4342	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	535896	75.0000	0.4187	
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Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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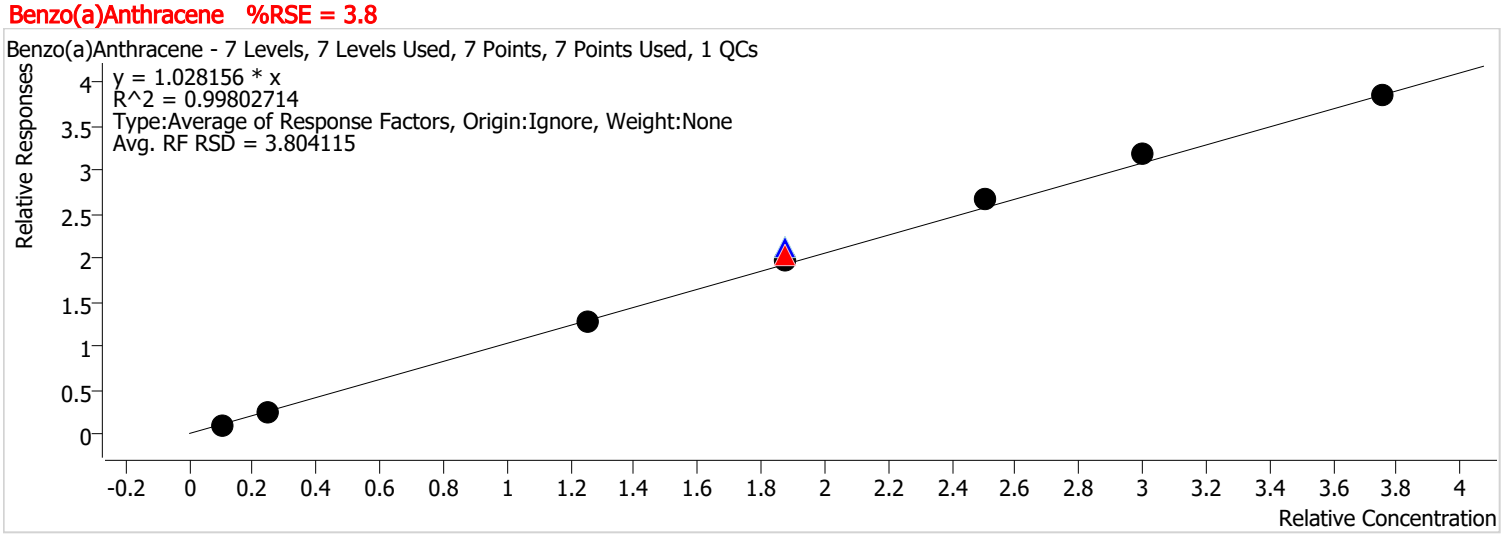
Report Time	2/19/2022 1:09:19 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo(a)Anthracene %RSE = 3.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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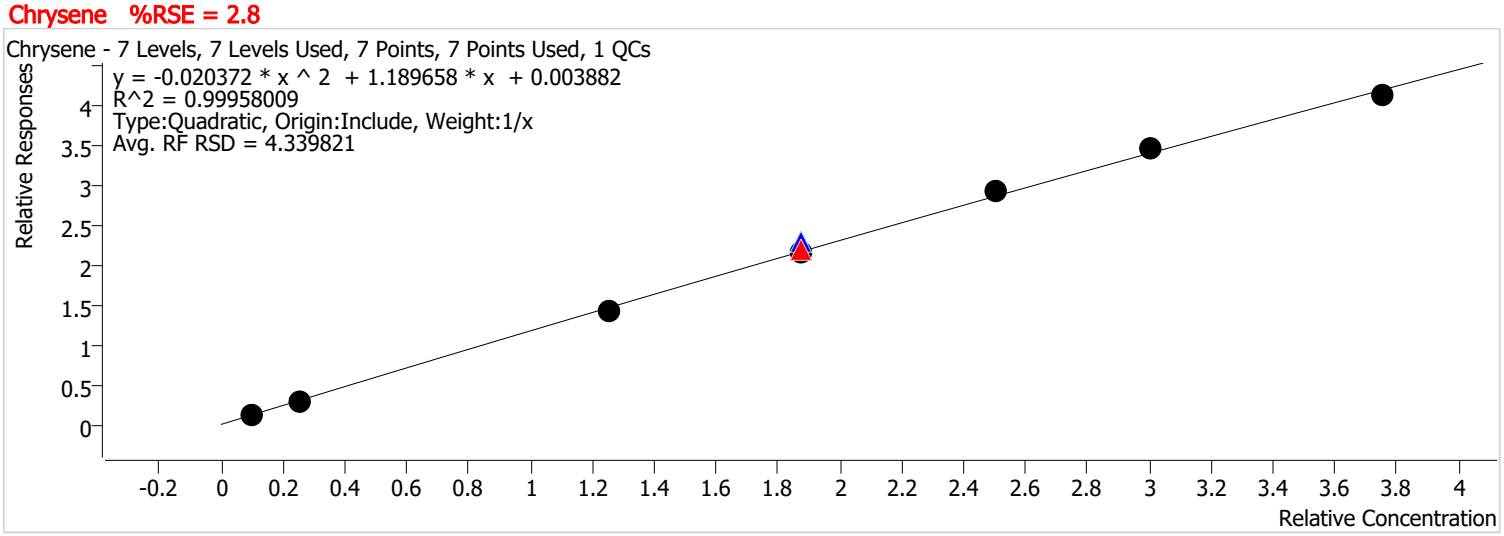
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	157876	10.0000	0.9610	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	944328	50.0000	1.0230	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1603923	75.0000	1.0823	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1445216	75.0000	1.1290	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1426052	75.0000	1.0569	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	2034255	100.0000	1.0696	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	2429458	120.0000	1.0623	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	2842112	150.0000	1.0264	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:19 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Chrysene %RSE = 2.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	193047	10.0000	1.1750	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	1050170	50.0000	1.1376	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1727532	75.0000	1.1657	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1558124	75.0000	1.2173	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1551059	75.0000	1.1496	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	2211531	100.0000	1.1628	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	2630114	120.0000	1.1501	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	3033845	150.0000	1.0957	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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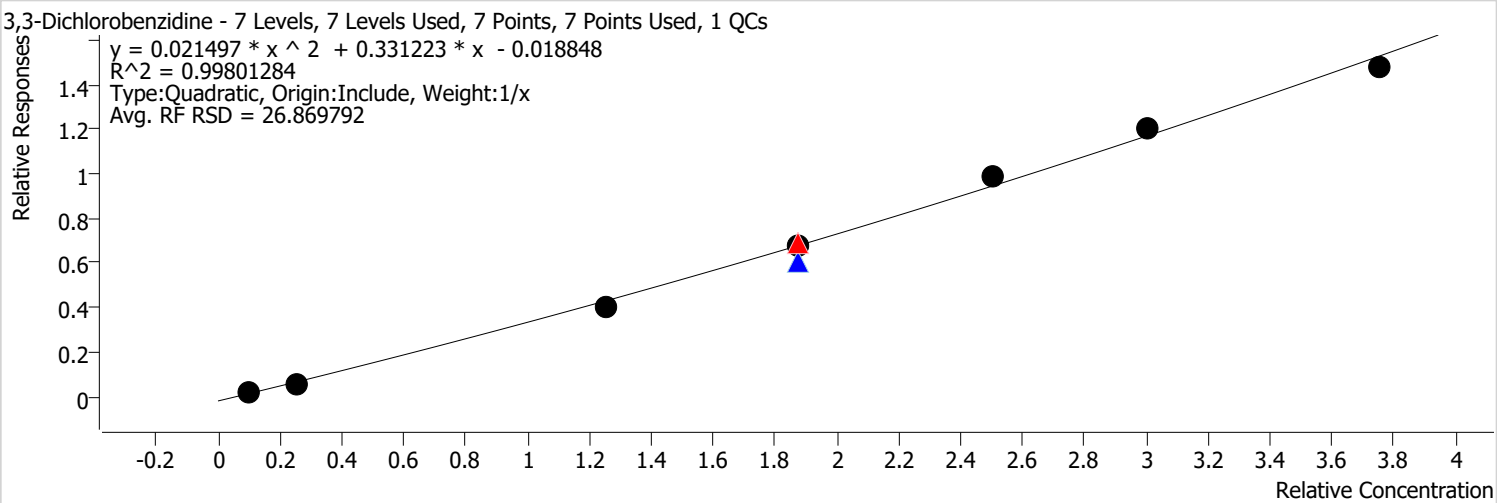
Report Time	2/19/2022 1:09:19 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

3,3-Dichlorobenzidine %RSE = 10.2



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	35676	10.0000	0.2172	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	299783	50.0000	0.3247	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	544800	75.0000	0.3676	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	412447	75.0000	0.3222	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	486419	75.0000	0.3605	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	749360	100.0000	0.3940	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	921207	120.0000	0.4028	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	1089020	150.0000	0.3933	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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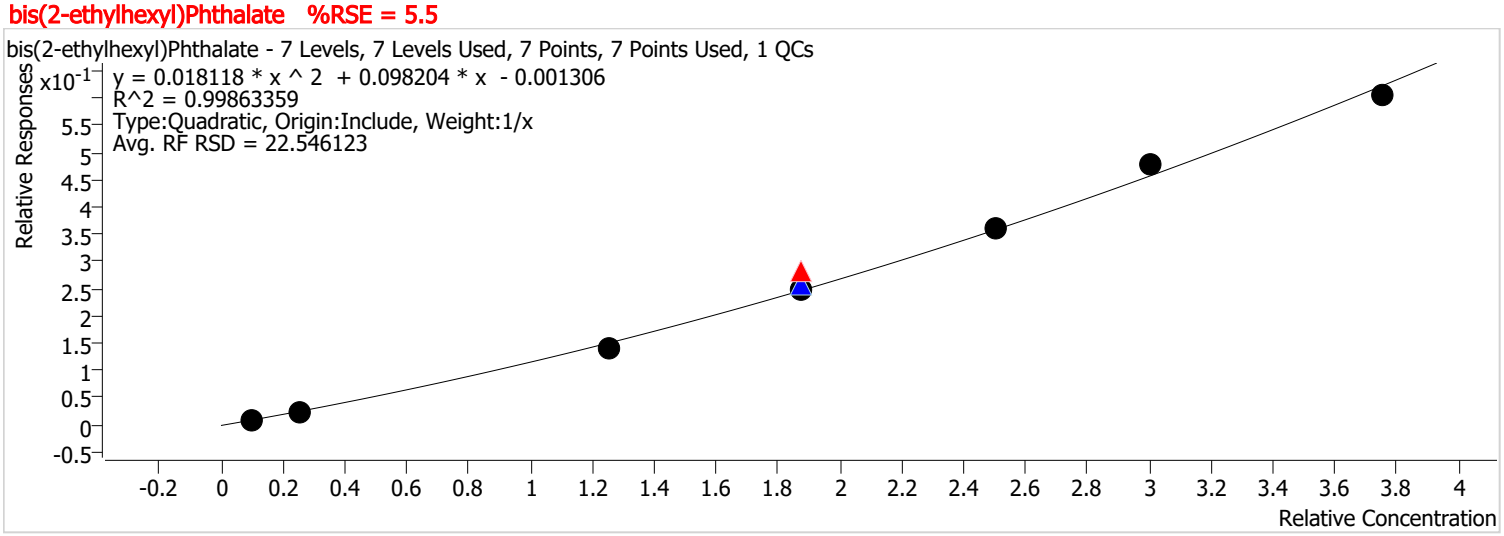
Report Time	2/19/2022 1:09:19 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

bis(2-ethylhexyl)Phthalate %RSE = 5.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	6272	4.0000	0.0945	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	15117	10.0000	0.0920	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	104536	50.0000	0.1132	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	224752	75.0000	0.1517	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	177710	75.0000	0.1388	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	177810	75.0000	0.1318	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	275164	100.0000	0.1447	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	364319	120.0000	0.1593	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	446103	150.0000	0.1611	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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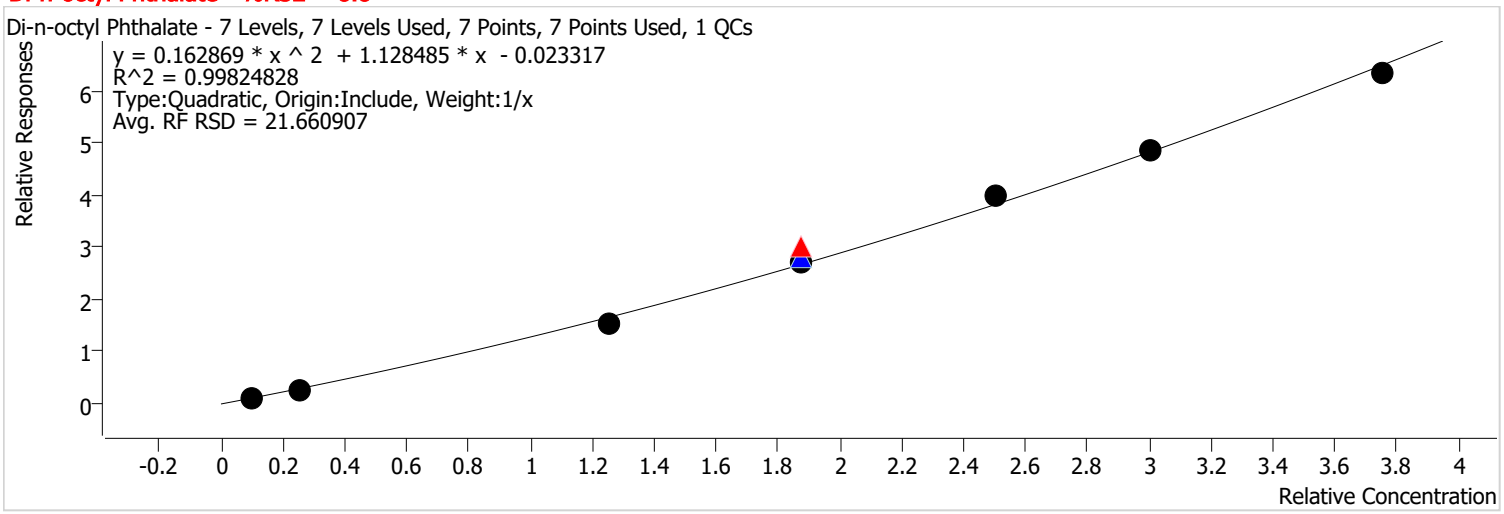
Report Time	2/19/2022 1:09:19 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Di-n-octyl Phthalate %RSE = 8.8



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	42821	4.0000	1.0522	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	98225	10.0000	0.9593	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	706918	50.0000	1.2050	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1530105	75.0000	1.6103	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1235233	75.0000	1.5092	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1227671	75.0000	1.4498	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1958854	100.0000	1.6050	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	2494942	120.0000	1.6288	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	3050804	150.0000	1.6909	

Calibration Report

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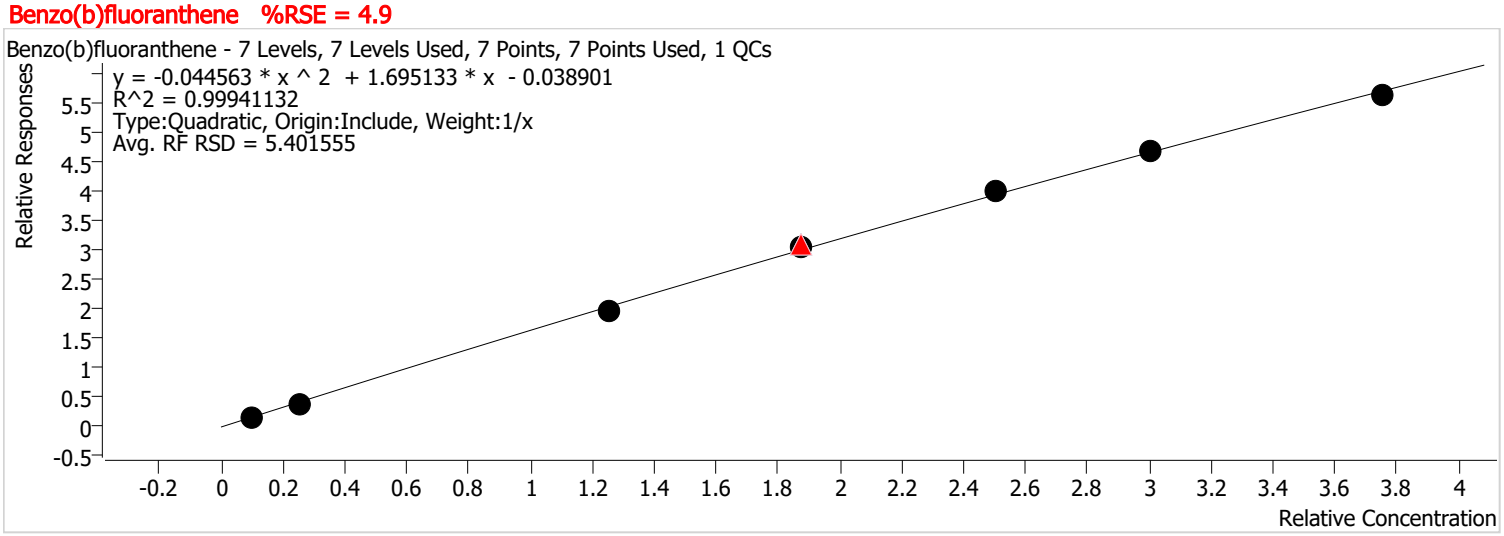
Report Time	2/19/2022 1:09:19 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo(b)fluoranthene %RSE = 4.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	57119	4.0000	1.4035	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	146871	10.0000	1.4344	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	908237	50.0000	1.5482	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1568935	75.0000	1.6511	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1337400	75.0000	1.6340	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1375648	75.0000	1.6245	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1951128	100.0000	1.5987	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	2384843	120.0000	1.5570	
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Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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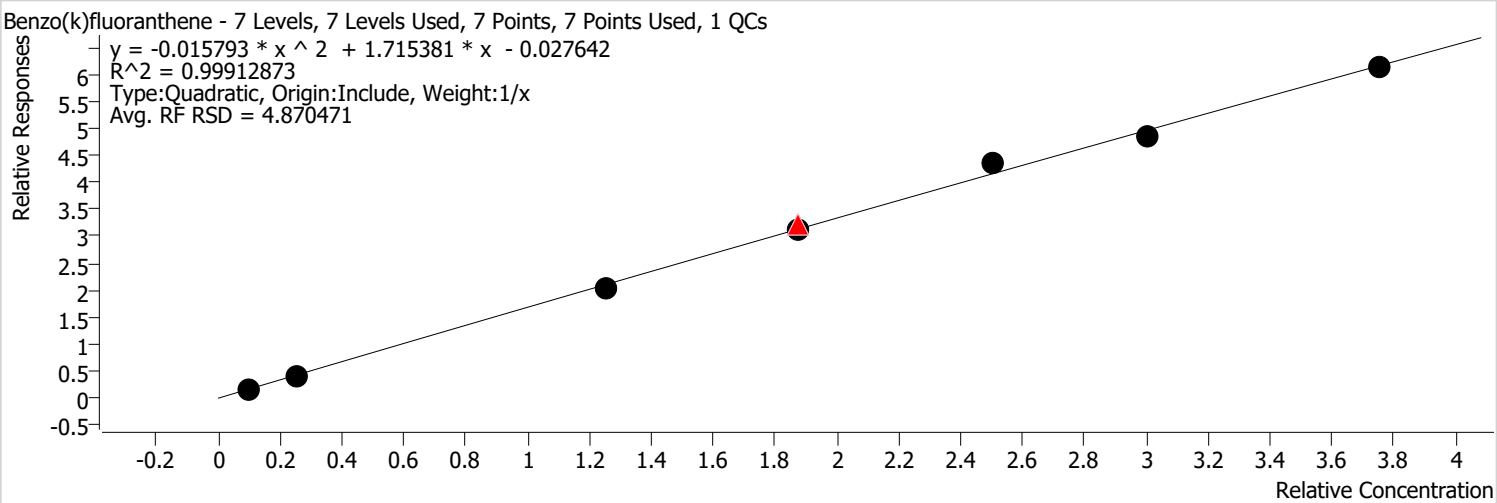
Report Time	2/19/2022 1:09:19 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo(k)fluoranthene %RSE = 4.3



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	61699	4.0000	1.5160	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	156598	10.0000	1.5294	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	956185	50.0000	1.6300	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1628575	75.0000	1.7139	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1401698	75.0000	1.7126	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1413651	75.0000	1.6694	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	2129075	100.0000	1.7445	
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Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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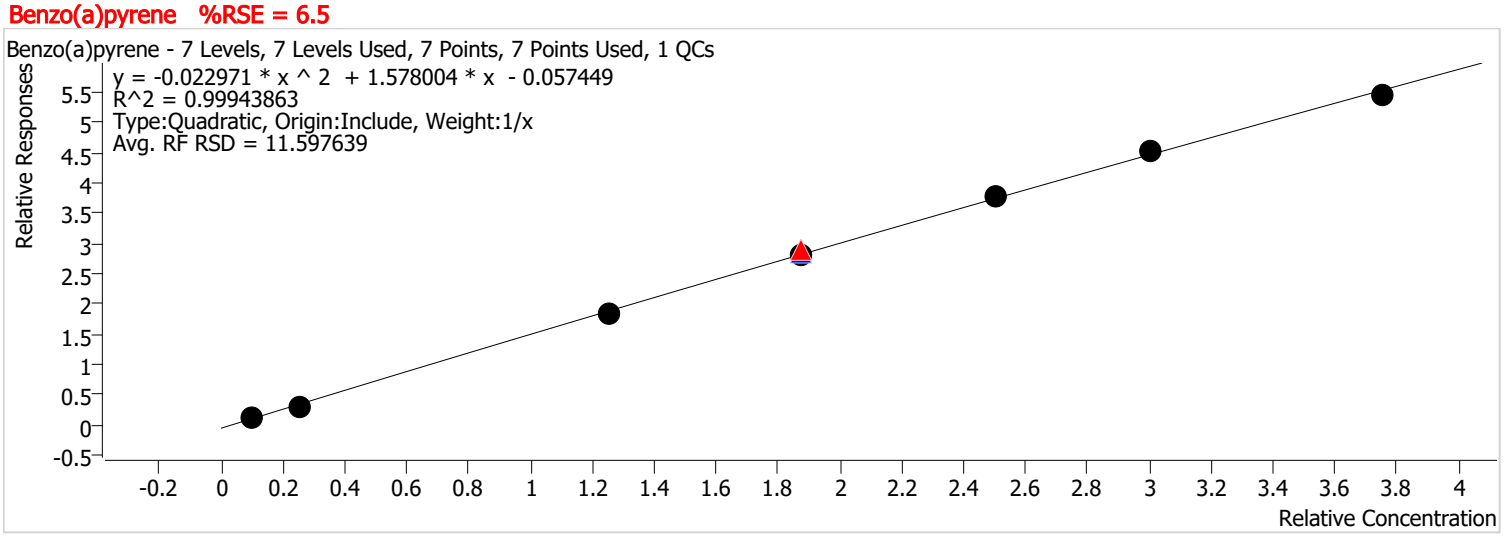
Report Time	2/19/2022 1:09:19 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo(a)pyrene %RSE = 6.5



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	122603	10.0000	1.1974	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	873144	50.0000	1.4884	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1481350	75.0000	1.5590	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1242141	75.0000	1.5176	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1275566	75.0000	1.5063	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1849719	100.0000	1.5156	
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Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
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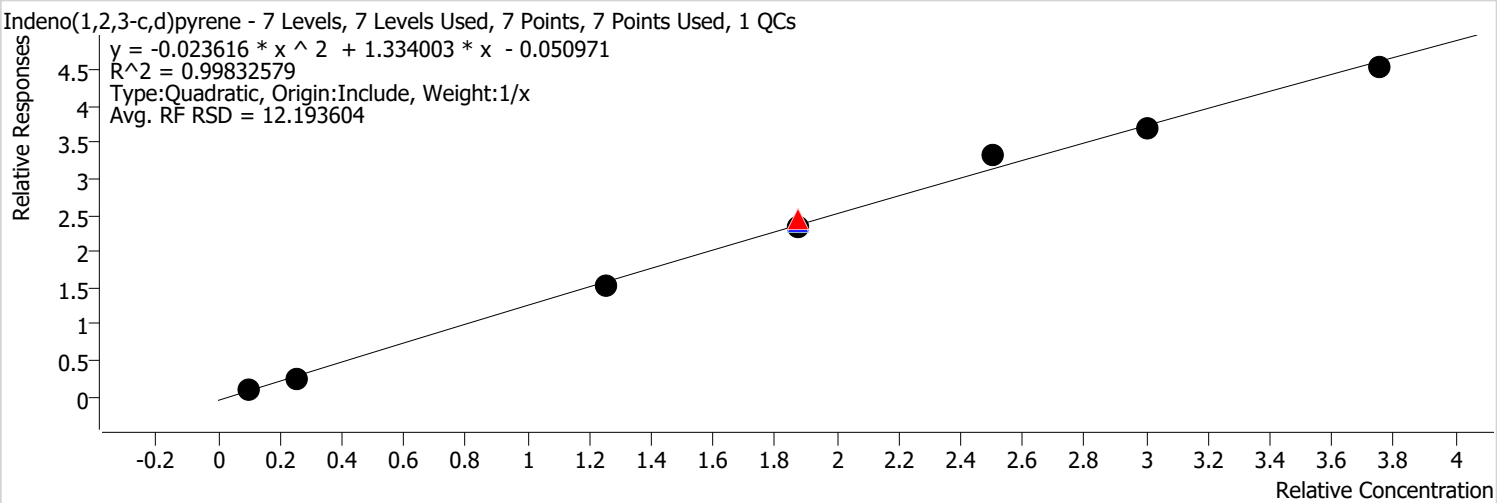
Report Time	2/19/2022 1:09:20 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Indeno(1,2,3-c,d)pyrene %RSE = 6.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D	Calibration	1	x	37542	4.0000	0.9224	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	711904	50.0000	1.2135	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1234878	75.0000	1.2996	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1059011	75.0000	1.2939	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1633072	100.0000	1.3381	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	1895312	120.0000	1.2374	
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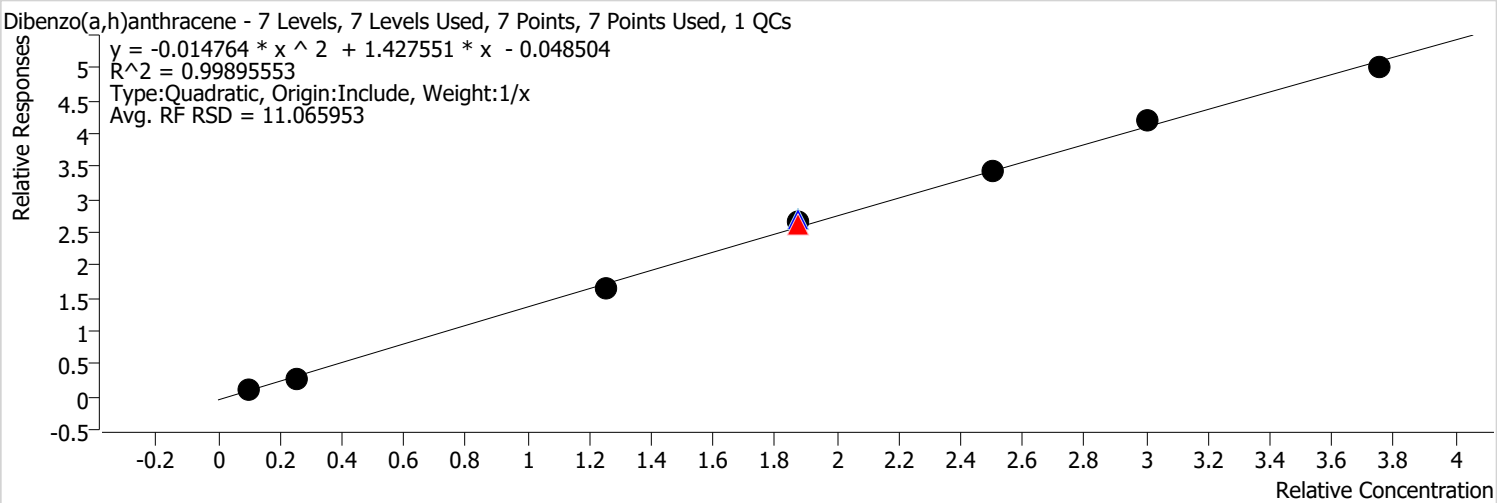
Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:20 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Dibenzo(a,h)anthracene %RSE = 6.6



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	114340	10.0000	1.1167	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	767418	50.0000	1.3082	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1331868	75.0000	1.4017	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1185669	75.0000	1.4486	
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\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1675258	100.0000	1.3726	
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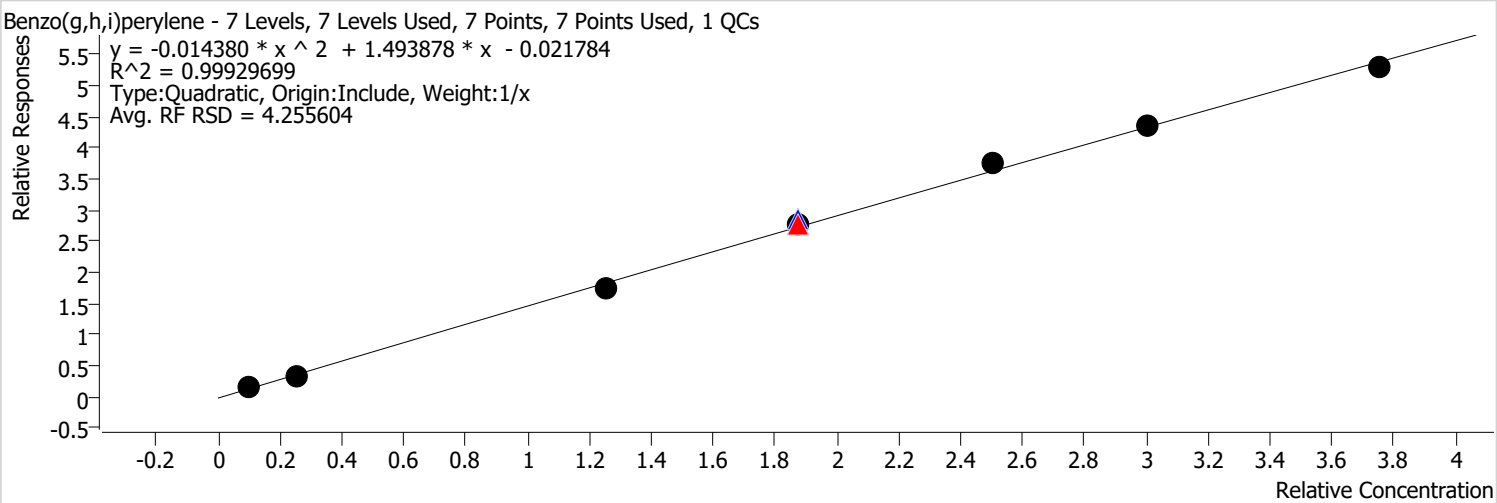
Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin		
Analysis Time	2/19/2022 1:08 PM	**Analyst Name**	BL2000\sean
Report Time	2/19/2022 1:09:20 PM	**Reporter Name**	BL2000\sean
Last Calib Update	2/19/2022 1:06 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Benzo(g,h,i)perylene %RSE = 4.9



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
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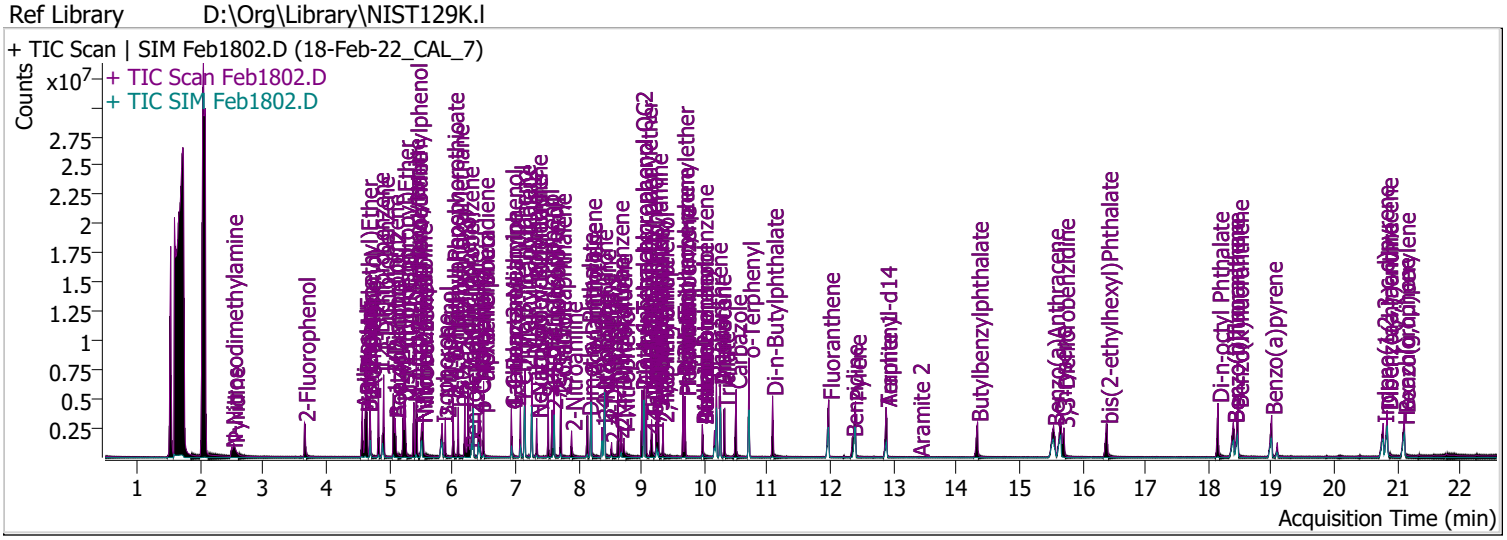
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D	Calibration	2	x	135480	10.0000	1.3231	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D	Calibration	3	x	822853	50.0000	1.4027	
\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D	CC	CCV	x	1400809	75.0000	1.4742	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D	QC	ICV	x	1251600	75.0000	1.5292	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D	Calibration	4	x	1242728	75.0000	1.4676	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D	Calibration	5	x	1825037	100.0000	1.4954	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D	Calibration	6	x	2227367	120.0000	1.4542	
\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D	Calibration	7	x	2544345	150.0000	1.4102	

Quantitation Results Report (QT Reviewed)

Data File	Feb1802.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 8:21:26 AM
Sample Name	18-Feb-22_CAL_7	Instrument	Instrument #1
Vial	2	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



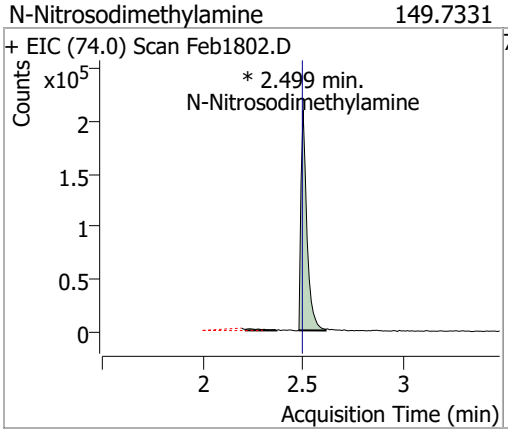
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	1295463	148.0816	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 74.04%			
S Phenol-d5	4.624	99.0	1568589	147.1390	µg/L		0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 73.57%		*	
S Nitrobenzene-d5	5.512	82.0	904317	146.3219	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 146.32%		*	
S 2-Fluorobiphenyl	7.615	172.0	2463367	147.2250	µg/L		0.010
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 147.23%		*	
S 2,4,6-Tribromophenol	9.346	329.8	230054	148.5652	µg/L		0.010
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 74.28%			
S Terphenyl-d14	12.885	244.3	2533921	152.1715	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 152.17%		*	
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.499	74.0	435283	149.7331	µg/L	m	87
T Pyridine	2.530	79.0	993215	146.1394	µg/L		98
T Aniline	4.573	93.0	2171964	145.4822	µg/L		99
T Phenol	4.634	94.0	1758157	145.5279	µg/L		99
T bis(-2-Chloroethyl)Ether	4.644	63.0	1179626	147.5977	µg/L		99
T 2-Chlorophenol	4.695	128.0	1348440	146.1109	µg/L		100
T 1,3-Dichlorobenzene	4.828	146.0	1667861	145.7869	µg/L		98
T 1,4-Dichlorobenzene	4.910	146.0	1624565	145.8903	µg/L		99
T 1,2-Dichlorobenzene	5.063	146.0	1646889	148.3968	µg/L		99
T Benzyl Alcohol	5.093	108.0	807931	145.1617	µg/L	m	97
T bis(2-chloroisopropyl)Ether	5.226	121.0	445398	144.2435	µg/L		99
T 2-Methylphenol	5.247	107.0	1190643	144.8184	µg/L		99
T N-nitroso-Di-n-propylamine	5.390	70.0	939344	151.9419	µg/L		97
T 4Methylphenol/3Methylphenol	5.430	107.0	1613966	147.6891	µg/L		100
T Hexachloroethane	5.430	117.0	548286	145.5974	µg/L		98

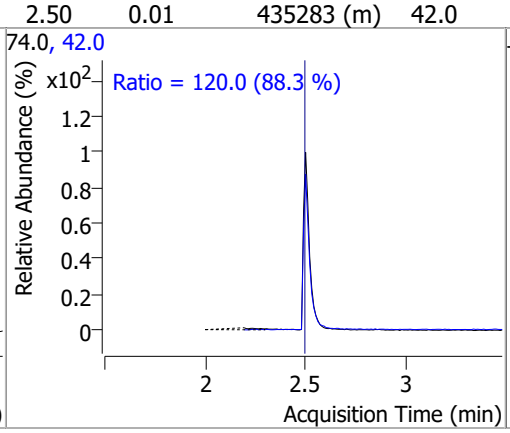
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.533	123.1	407665	141.1819	µg/L		99
T Isophorone	5.839	82.0	2053422	146.3082	µg/L		100
T 2-Nitrophenol	5.890	139.0	508410	144.4380	µg/L		97
T 2,4-Dimethylphenol	6.013	122.0	870994	141.2476	µg/L		95
T bis(-2-Chloroethoxy)Methane	6.095	93.0	1216035	145.3489	µg/L		96
T 2,4-Dichlorophenol	6.198	162.0	896259	143.8113	µg/L		94
T Benzoic Acid	6.290	105.0	580859	145.3846	µg/L		91
T 1,2,4-Trichlorobenzene	6.249	180.0	1020843	148.2588	µg/L		100
T Naphthalene	6.331	128.0	2903611	144.2577	µg/L		99
T 4-Chlorophenol	6.414	130.0	345521	147.5888	µg/L		93
T p-Chloroaniline	6.434	127.0	1228719	150.5232	µg/L		94
T Hexachlorobutadiene	6.496	224.9	573148	147.3648	µg/L		98
T 4-Chloro-2-Methylphenol	6.937	107.0	789739	143.0066	µg/L		97
T 4-Chloro-3-Methylphenol	7.081	107.0	869158	145.6908	µg/L	m	97
T 2-Methylnaphthalene	7.153	141.0	1933828	150.9988	µg/L		97
T 1-Methylnaphthalene	7.266	141.0	1836402	150.2226	µg/L		98
T Hexachlorocyclopentadiene	7.338	236.9	361285	147.7348	µg/L		97
T 2,4,6-Trichlorophenol	7.523	196.0	593283	141.2571	µg/L	m	99
T 2,4,5-Trichlorophenol	7.584	196.0	685262	146.8158	µg/L	m	94
T 2-Chloronaphthalene	7.718	162.0	2050771	146.7090	µg/L		98
T 2-Nitroaniline	7.892	65.0	356343	139.5885	µg/L		95
T Dimethyl Phthalate	8.149	163.0	2219984	148.7697	µg/L		98
T 2,6-Dinitrotoluene	8.200	165.0	273317	140.2801	µg/L		98
T Acenaphthylene	8.210	152.1	3319452	149.6798	µg/L		100
T 3-Nitroaniline	8.405	138.0	328938	141.8409	µg/L		99
T Acenaphthene	8.425	154.0	1843621	152.6309	µg/L		98
T 2,4-Dinitrophenol	8.528	184.0	173045	147.4076	µg/L		96
T Dibenzofuran	8.630	168.0	2842991	148.1350	µg/L		97
T 2,4-Dinitrotoluene	8.681	165.0	397564	147.3776	µg/L		98
T 4-Nitrophenol	8.722	109.0	368713	144.3881	µg/L		93
T Diethylphthalate	9.008	149.0	2256164	145.3678	µg/L		100
T Fluorene	9.049	166.0	2493155	153.8147	µg/L		99
T 4-Chlorophenyl-phenylether	9.080	204.0	1110314	142.5752	µg/L		95
T 4-Nitroaniline	9.162	138.0	363865	147.4676	µg/L		99
T 4,6-Dinitro-2-methylphenol	9.172	198.0	243650	147.9207	µg/L		99
T N-nitrosodiphenylamine	9.244	169.0	1648173	148.6623	µg/L		99
T Azobenzene	9.264	77.0	2354024	151.0311	µg/L		100
T 4-Bromophenyl-phenylether	9.663	248.0	662596	146.8992	µg/L		98
T Hexachlorobenzene	9.694	283.9	597870	143.5319	µg/L		96
T Pentachlorophenol	9.968	265.9	342613	148.7927	µg/L		95
T Phenanthrene	10.191	178.0	3132371	146.0003	µg/L		100
T Anthracene	10.252	178.0	3071678	143.8138	µg/L		99
T Triallate	10.313	86.0	845447	149.2795	µg/L		97
T Carbazole	10.505	167.0	3271481	149.5705	µg/L		99
T o-Terphenyl	10.708	230.0	1697837	143.8799	µg/L		98
T Di-n-Butylphthalate	11.083	149.0	3446165	147.6497	µg/L		99
T Fluoranthene	11.974	202.0	3397461	148.7725	µg/L		99
T Benzidine	12.349	184.0	1083722	152.2725	µg/L		99
T Pyrene	12.399	202.0	3679726	149.9738	µg/L		99
T Butylbenzylphthalate	14.337	149.0	1276176	146.7579	µg/L		94
T Benzo(a)Anthracene	15.543	228.0	2842112	149.7505	µg/L		99
T Chrysene	15.655	228.0	3033845	147.3118	µg/L		98
T 3,3-Dichlorobenzidine	15.706	252.0	1089020	145.8673	µg/L		99
T bis(2-ethylhexyl)Phthalate	16.391	167.0	446103	146.9804	µg/L		100
T Di-n-octyl Phthalate	18.153	149.0	3050804	147.3012	µg/L		99

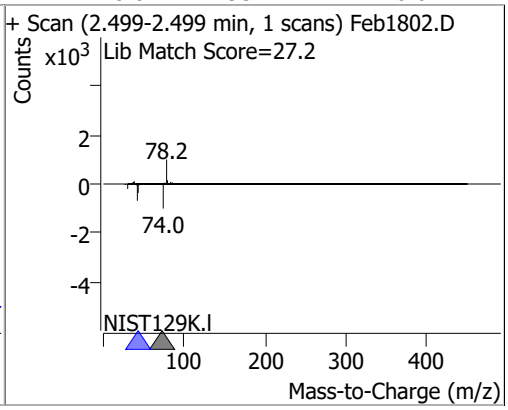
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.396	252.0	2701361	147.7569	µg/L	100
T Benzo(k)fluoranthene	18.467	252.0	2958362	149.1473	µg/L	99
T Benzo(a)pyrene	19.004	252.0	2621643	147.4984	µg/L	98
T Indeno(1,2,3-c,d)pyrene	20.776	276.0	2181733	147.0742	µg/L	97
T Dibenzo(a,h)anthracene	20.836	278.0	2406140	147.0838	µg/L	98
T Benzo(g,h,i)perylene	21.110	276.0	2544345	147.4139	µg/L	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

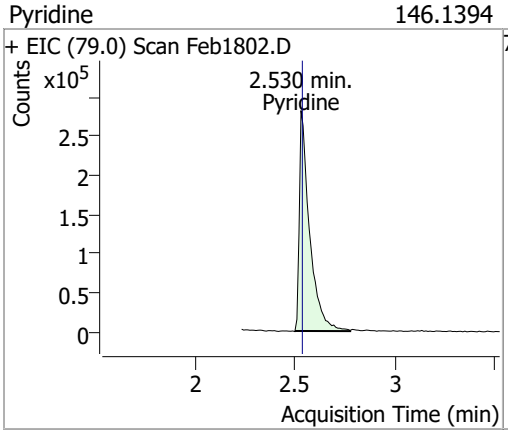
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	149.7331	2.50	0.01	435283 (m)	42.0	120.0	95.1	176.6

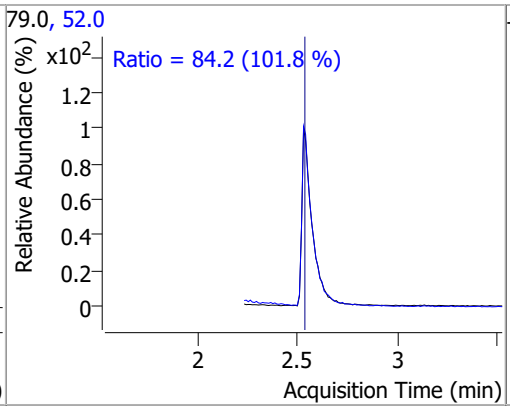


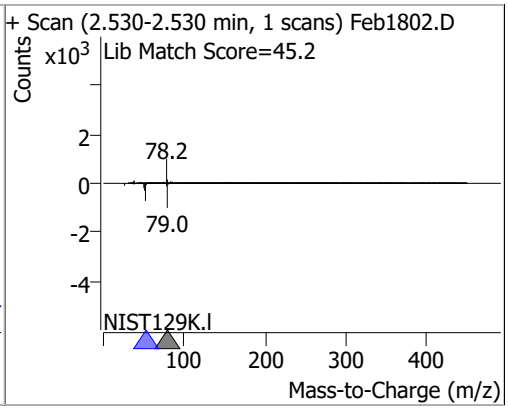




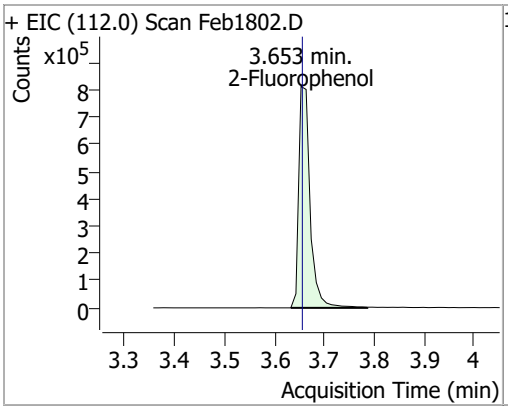
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	146.1394	2.53	0.00	993215	52.0	84.2	57.9	107.6

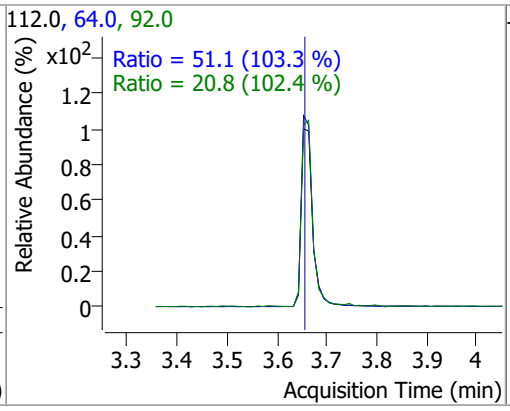


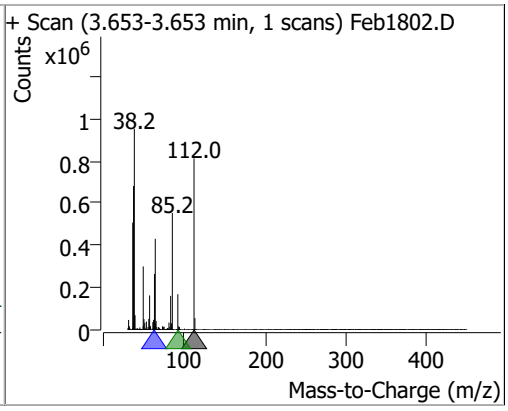




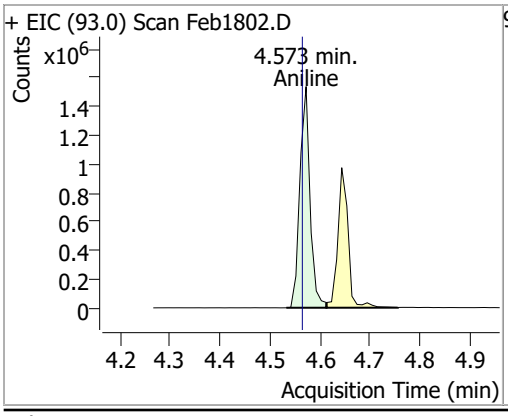
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	148.0816	3.65	0.00	1295463	64.0	51.1	34.6	64.3
					92.0	20.8	14.2	26.5

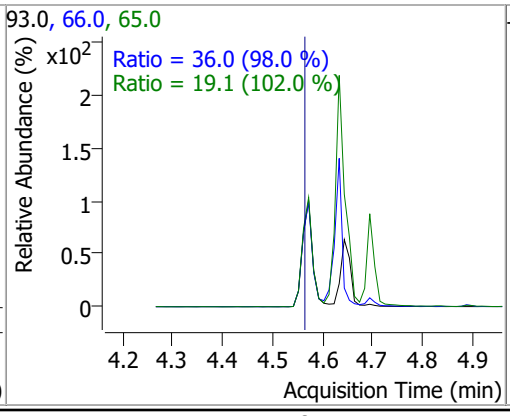


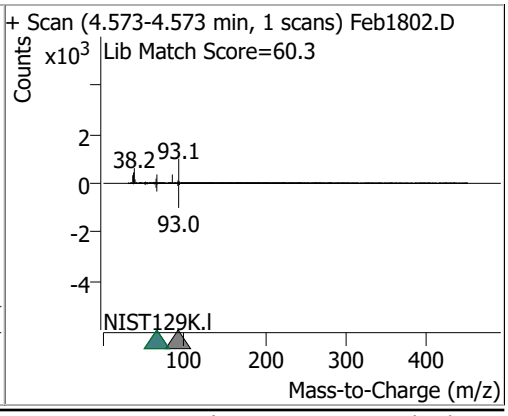




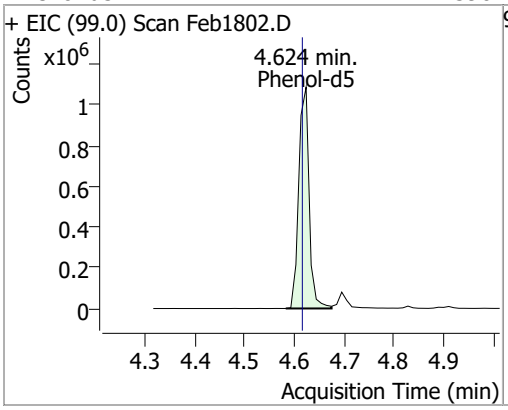
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	145.4822	4.57	0.01	2171964	66.0	36.0	25.7	47.8
					65.0	19.1	13.1	24.4

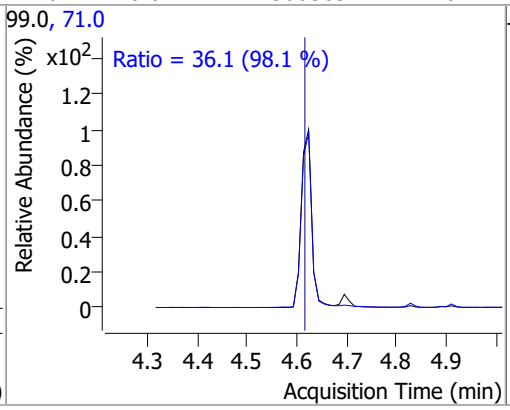


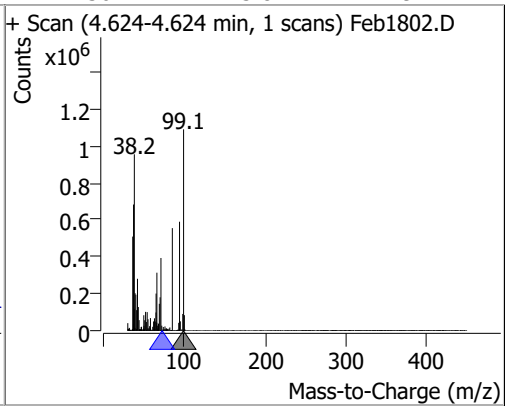




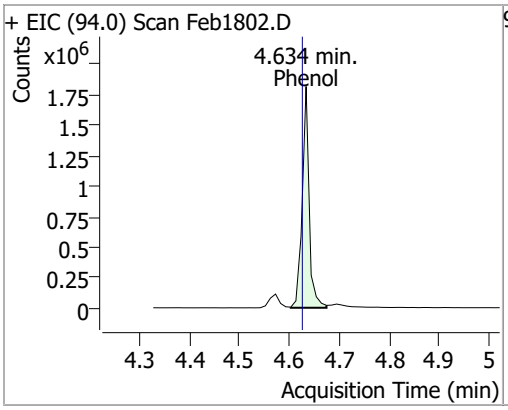
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	147.1390	4.62	0.01	1568589	71.0	36.1	25.8	47.9

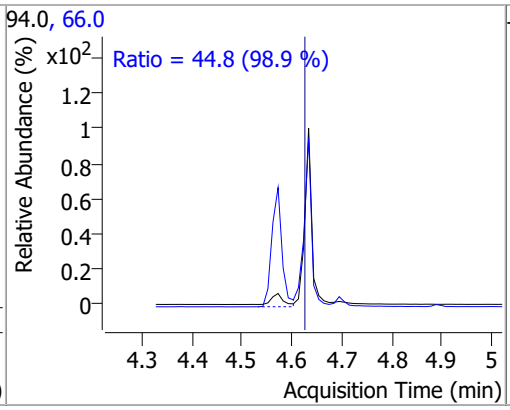


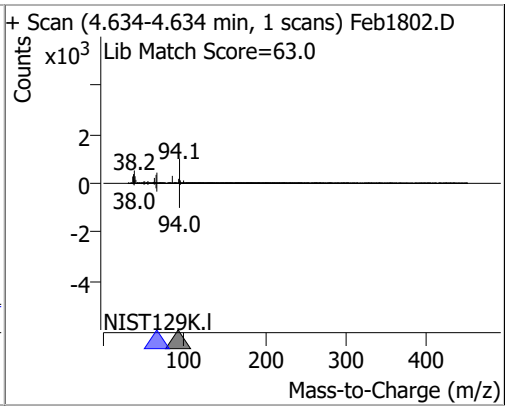




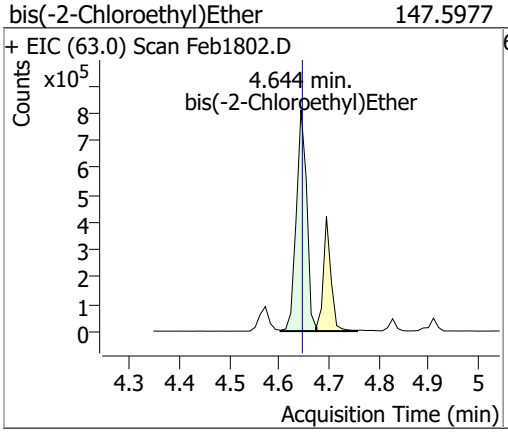
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	145.5279	4.63	0.01	1758157	66.0	44.8	31.7	58.9

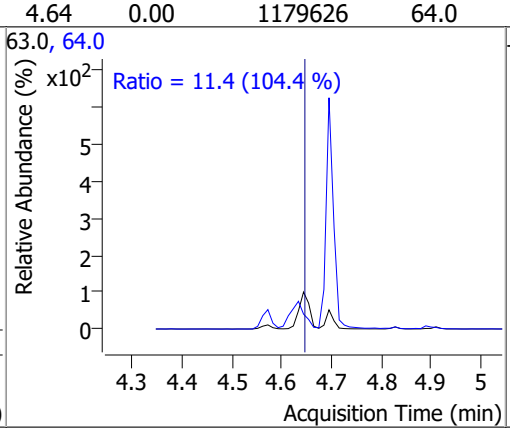


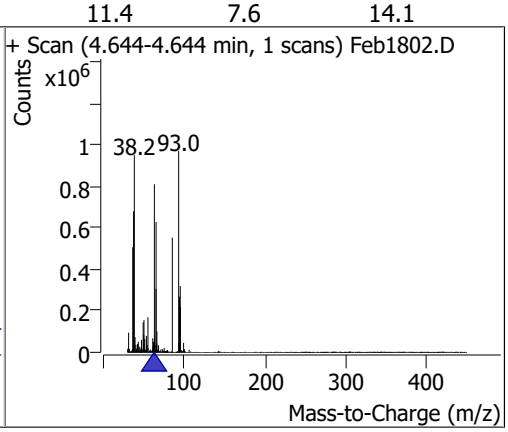




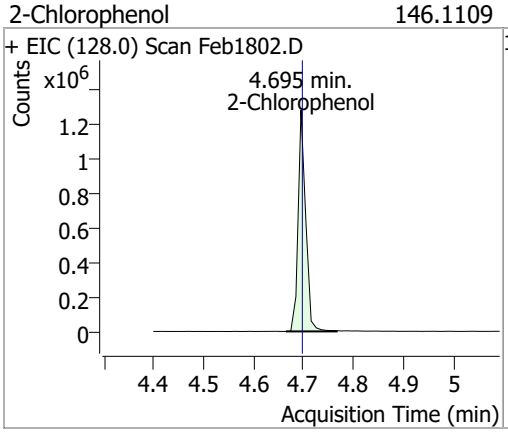
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	147.5977	4.64	0.00	1179626	64.0	11.4	7.6	14.1

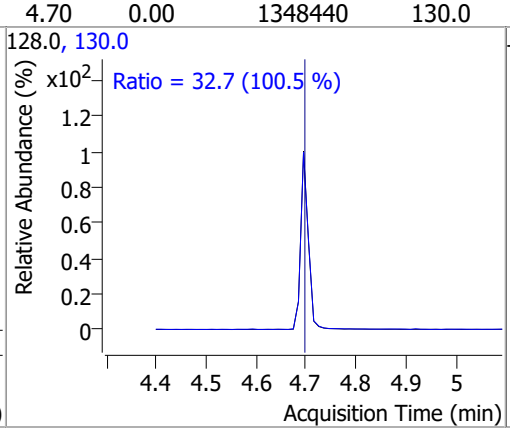


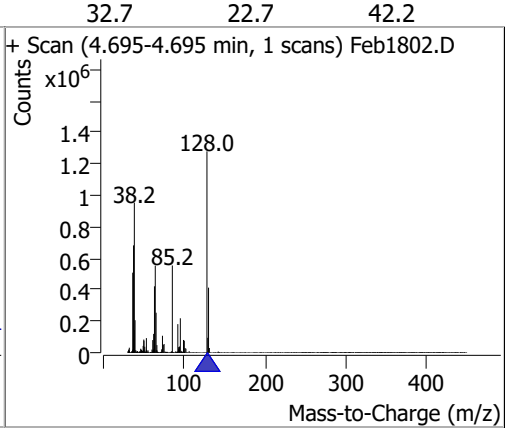




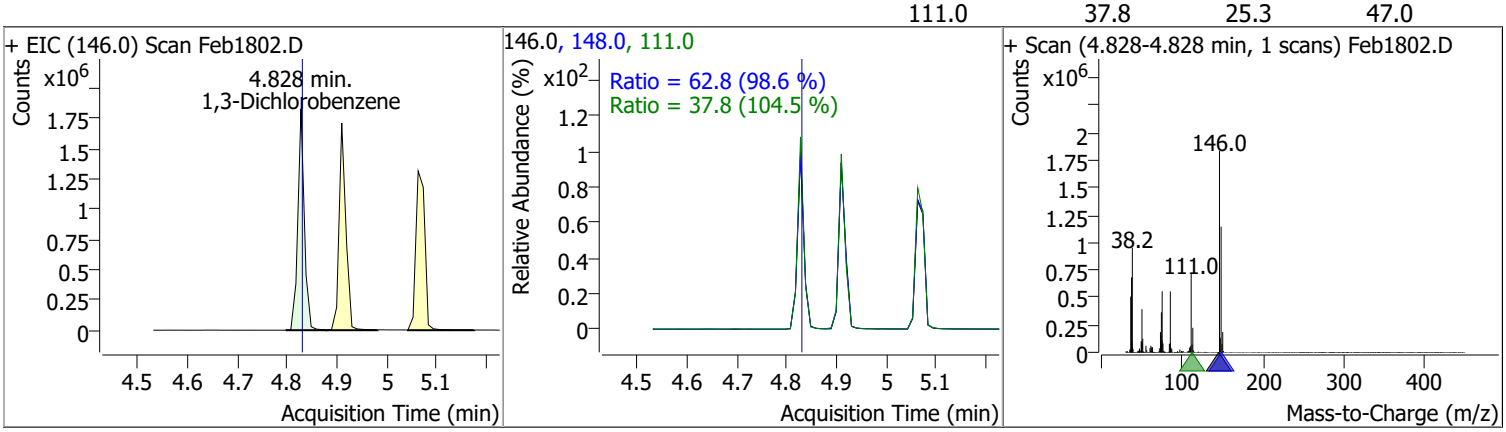
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	146.1109	4.70	0.00	1348440	130.0	32.7	22.7	42.2



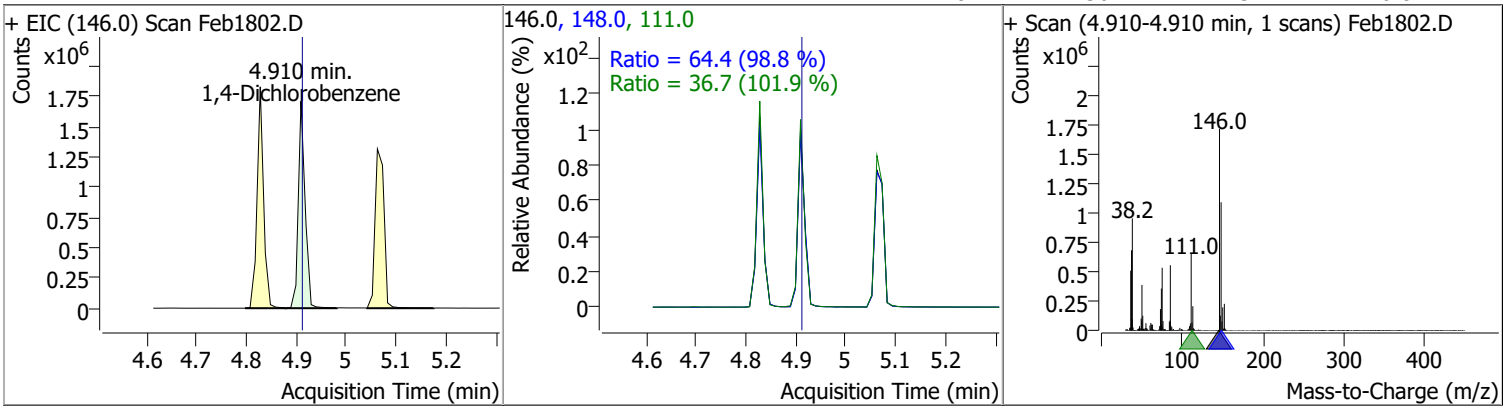




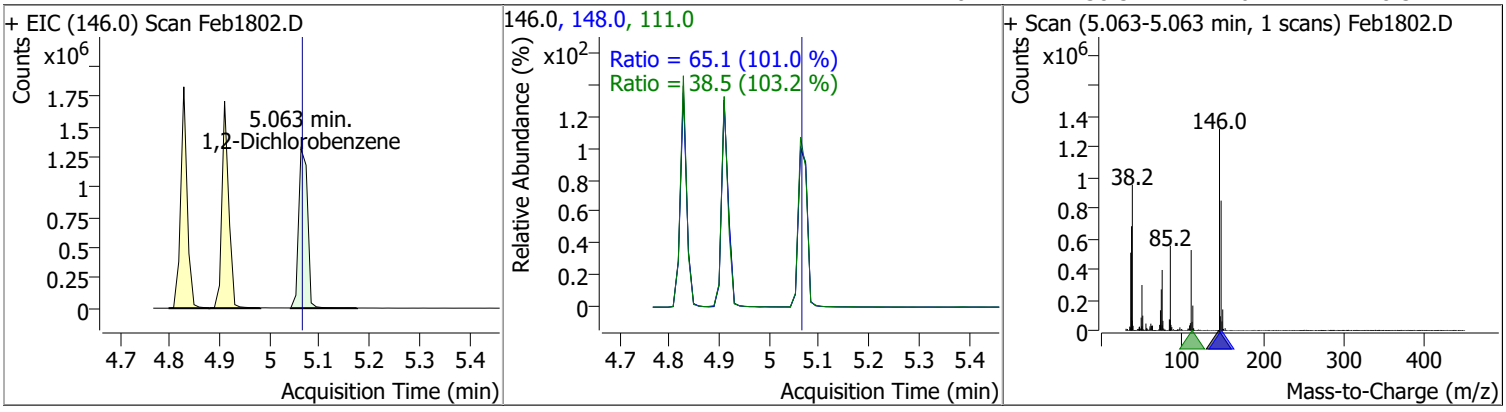
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	145.7869	4.83	0.00	1667861	148.0	62.8	44.6	82.8
					111.0	37.8	25.3	47.0



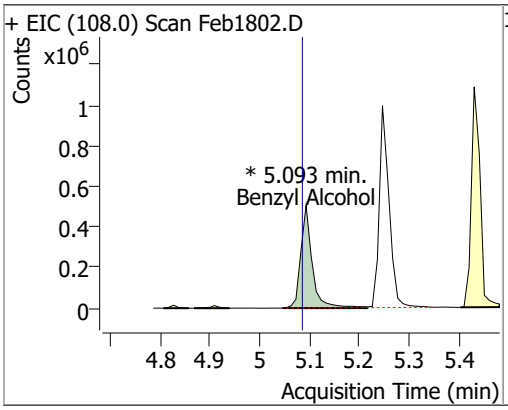
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	145.8903	4.91	0.00	1624565	148.0	64.4	45.6	84.8
					111.0	36.7	25.2	46.8

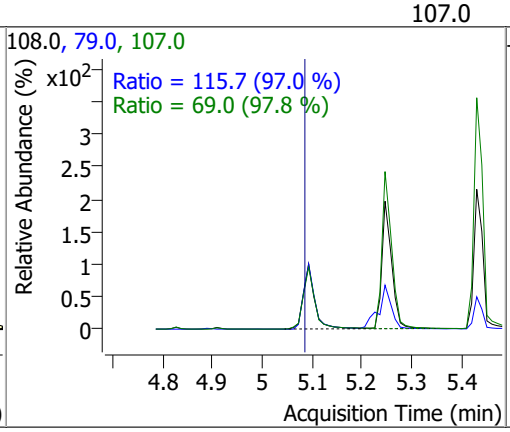


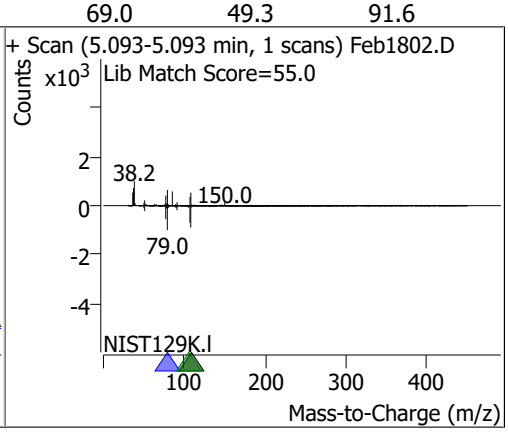
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	148.3968	5.06	0.00	1646889	148.0	65.1	45.1	83.8
					111.0	38.5	26.1	48.5



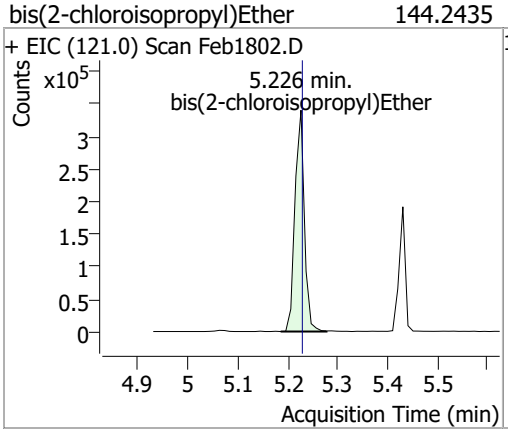
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	145.1617	5.09	0.01	807931 (m)	79.0	115.7	83.5	155.1
					107.0	69.0	49.3	91.6

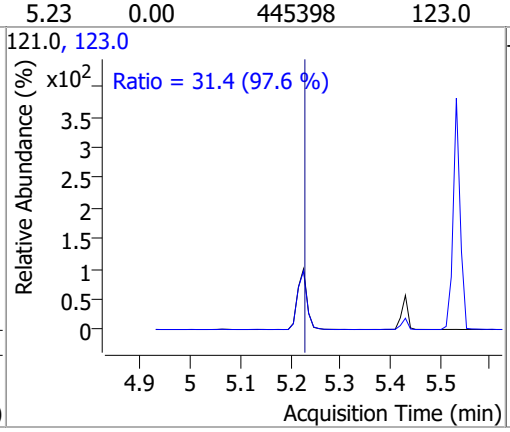


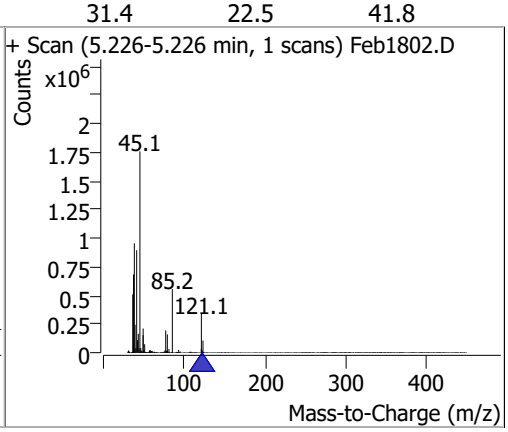




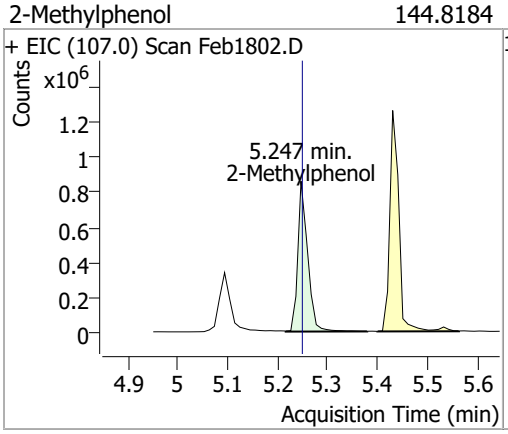
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	144.2435	5.23	0.00	445398	123.0	31.4	22.5	41.8

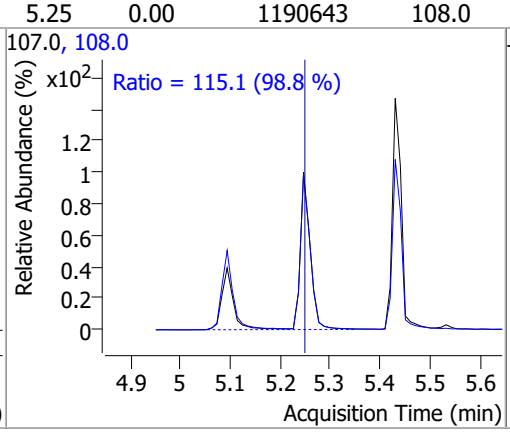


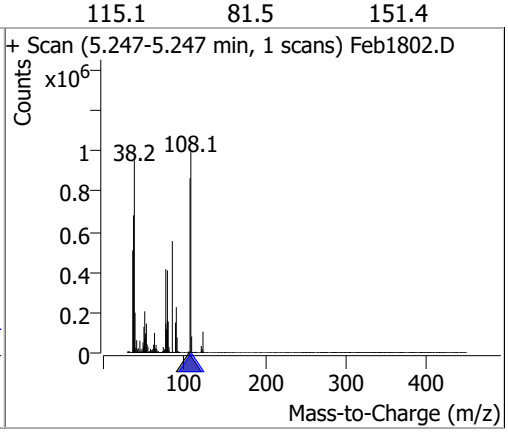




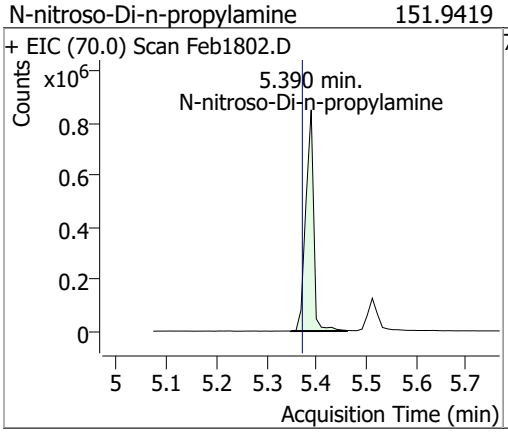
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	144.8184	5.25	0.00	1190643	108.0	115.1	81.5	151.4

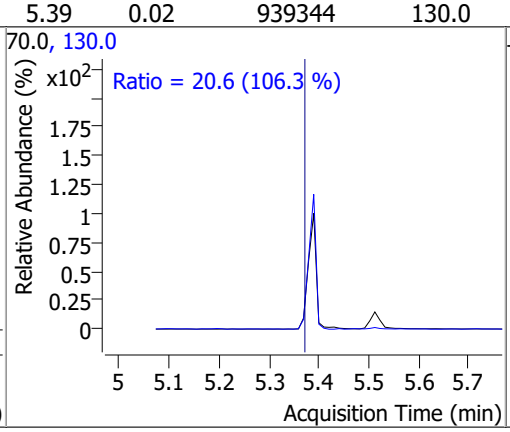


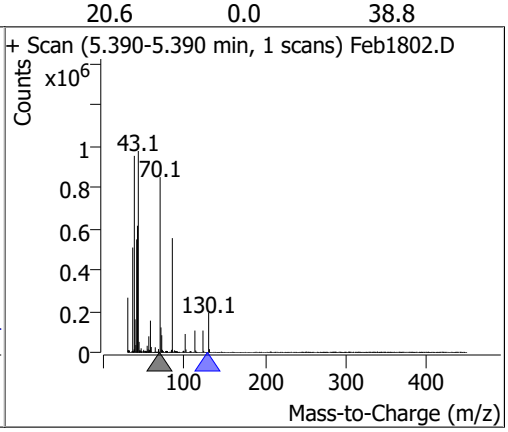




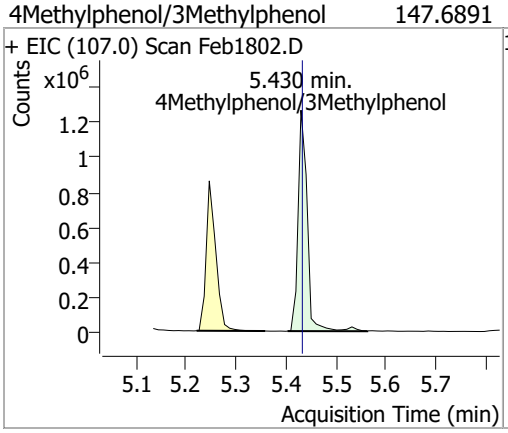
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	151.9419	5.39	0.02	939344	130.0	20.6	0.0	38.8

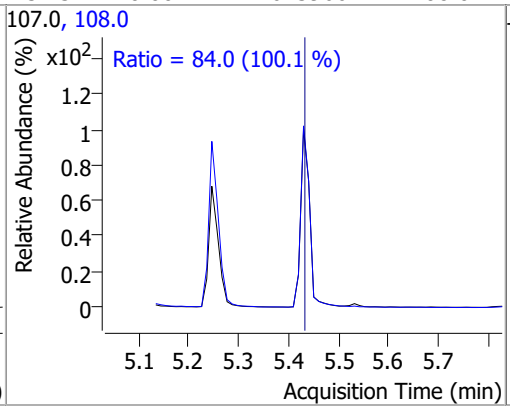


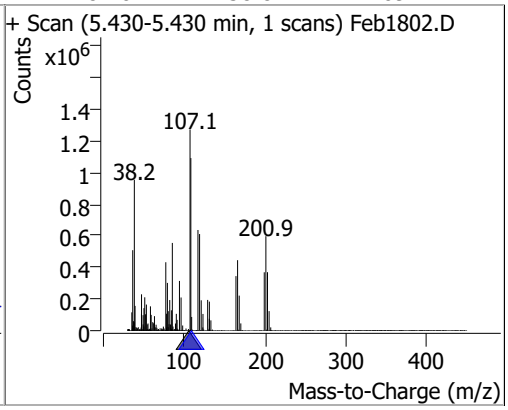




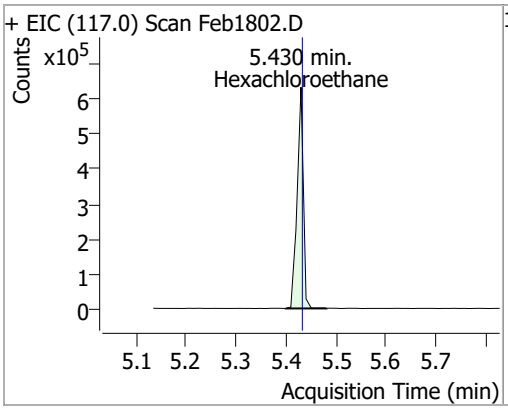
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	147.6891	5.43	0.00	1613966	108.0	84.0	58.8	109.1

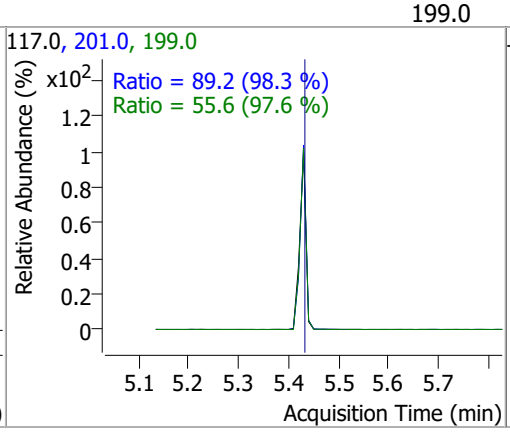


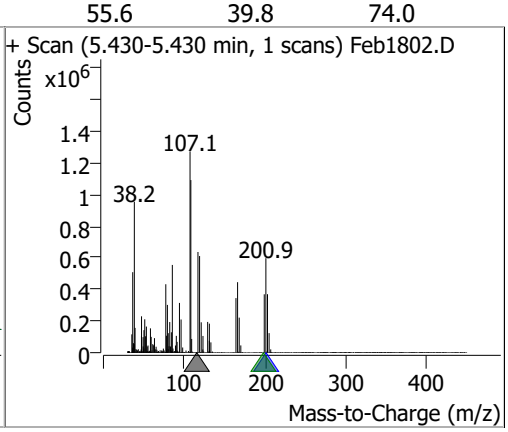




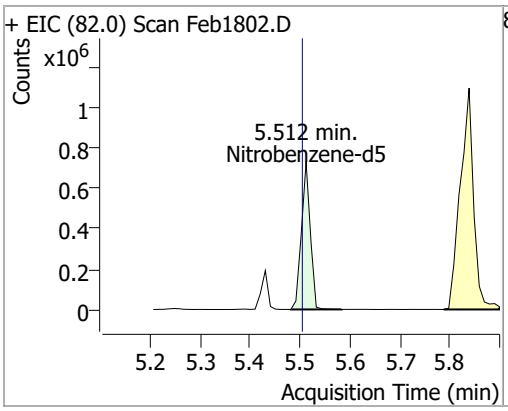
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	145.5974	5.43	0.00	548286	201.0	89.2	63.5	118.0
					199.0	55.6	39.8	74.0

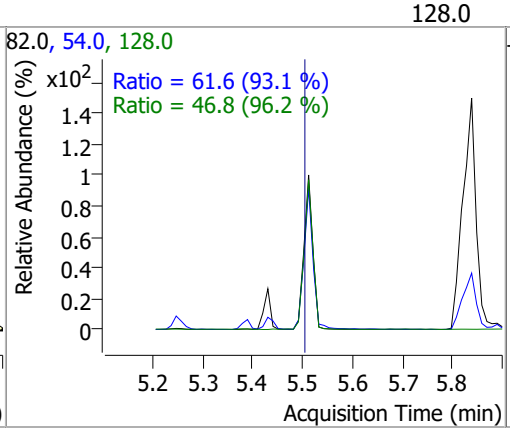


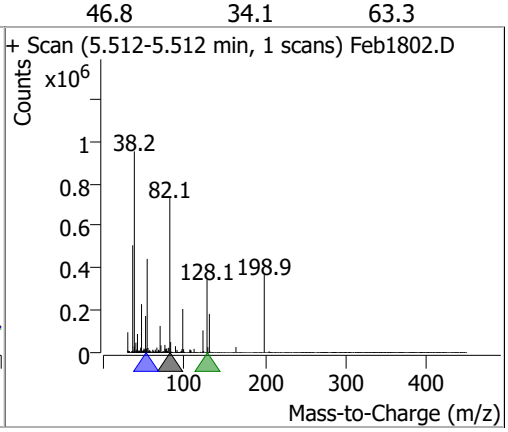




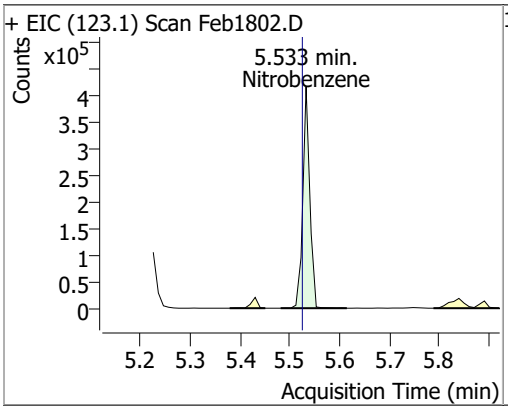
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	146.3219	5.51	0.01	904317	54.0	61.6	46.3	86.0
					128.0	46.8	34.1	63.3

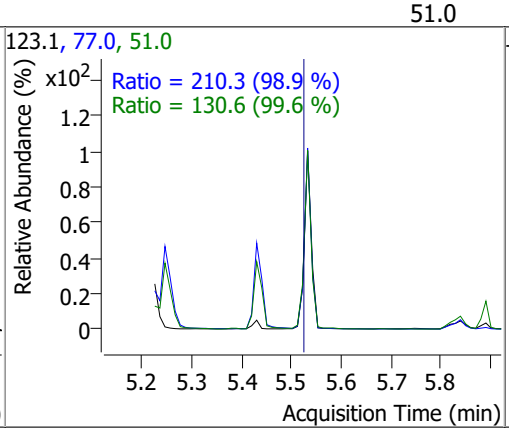


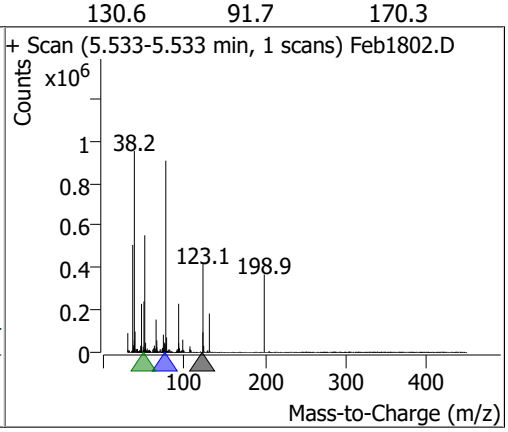




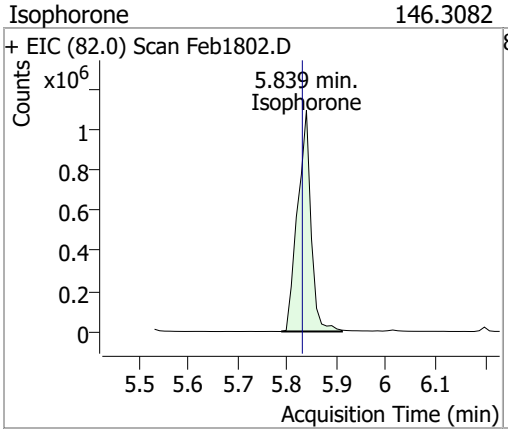
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	141.1819	5.53	0.01	407665	77.0	210.3	148.9	276.5
					51.0	130.6	91.7	170.3

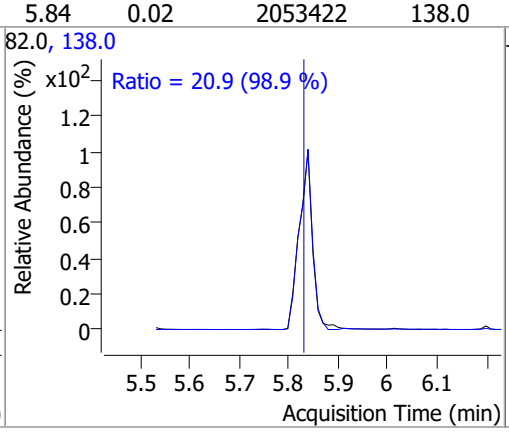


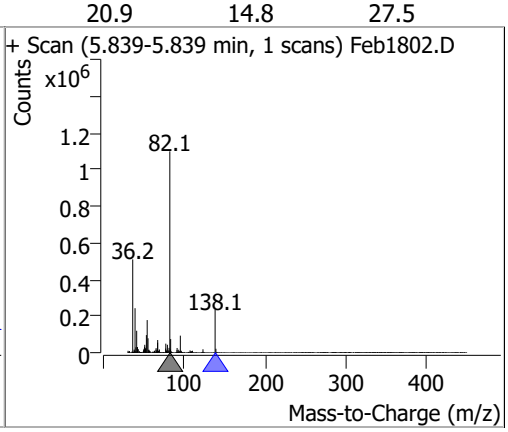




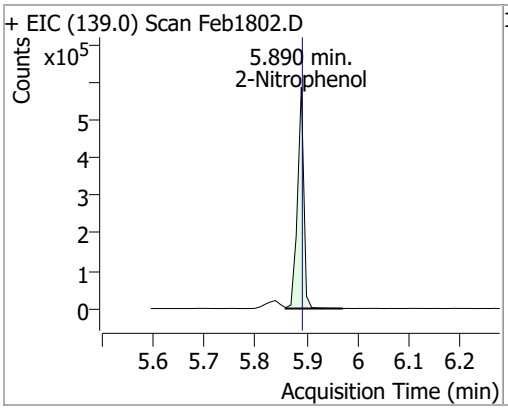
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	146.3082	5.84	0.02	2053422	138.0	20.9	14.8	27.5

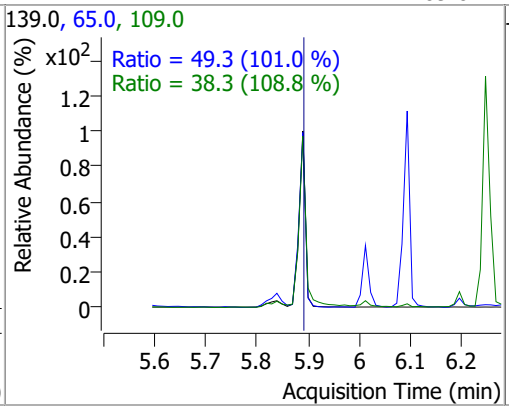


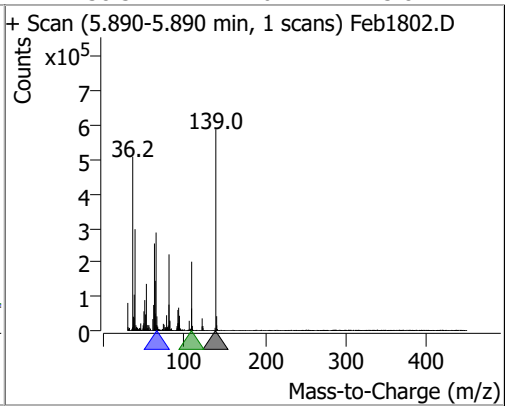




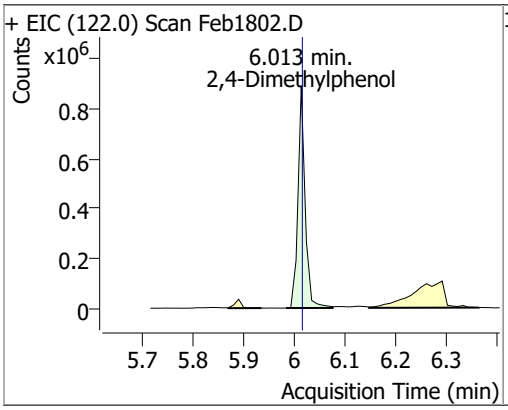
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	144.4380	5.89	0.01	508410	65.0	49.3	34.2	63.4
					109.0	38.3	24.6	45.8

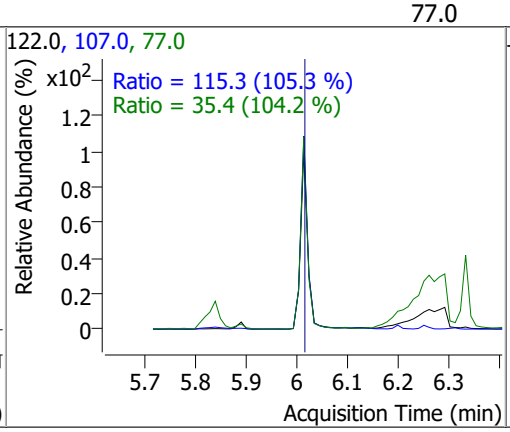


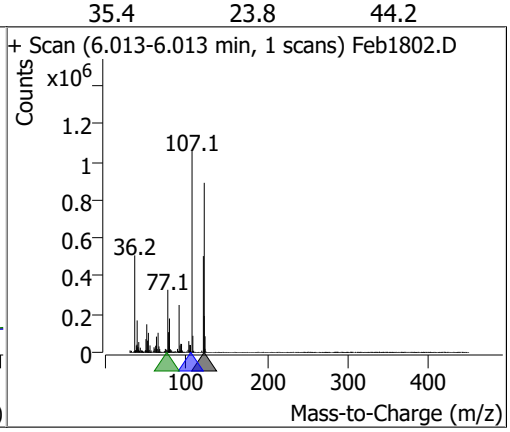




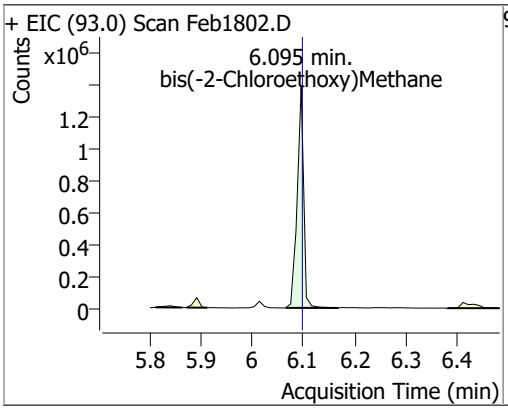
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	141.2476	6.01	0.01	870994	107.0	115.3	76.6	142.3
					77.0	35.4	23.8	44.2

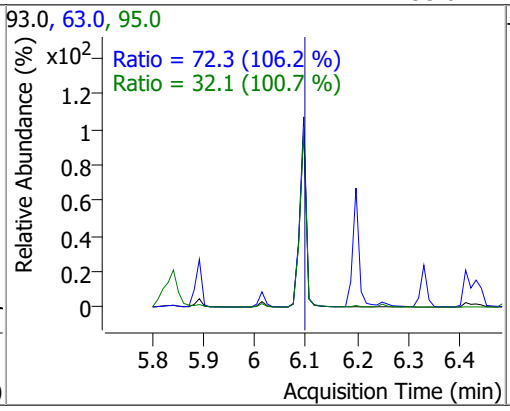


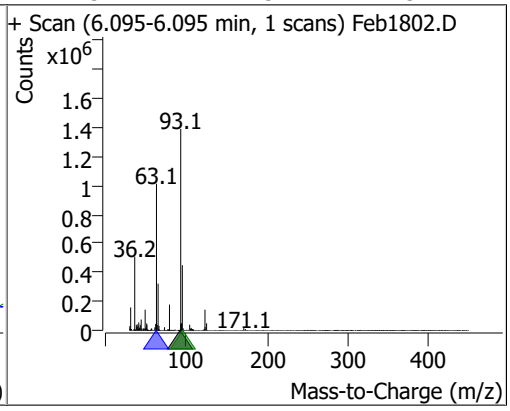




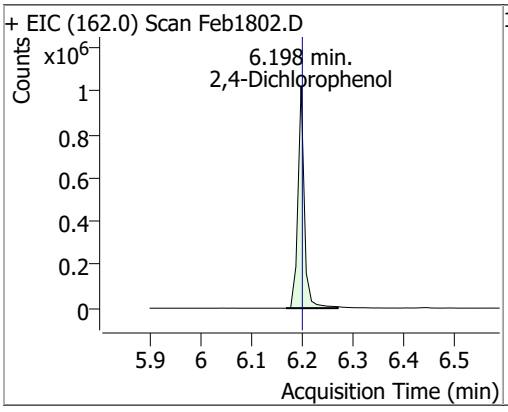
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	145.3489	6.10	0.01	1216035	63.0	72.3	47.7	88.6
					95.0	32.1	22.3	41.5

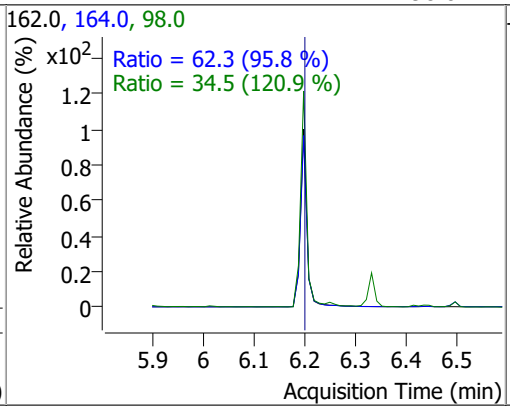


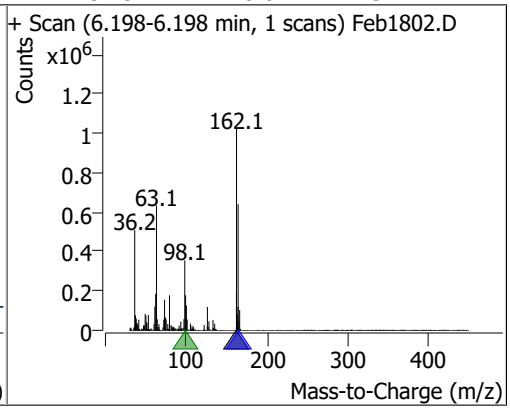




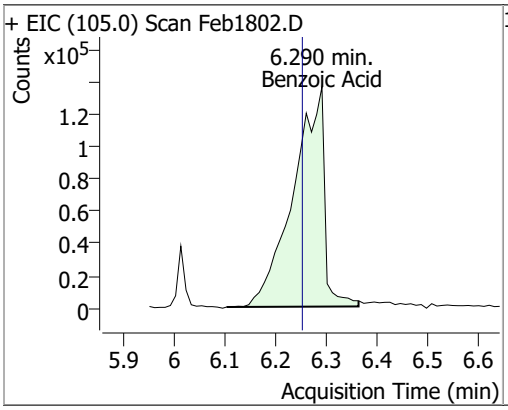
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	143.8113	6.20	0.01	896259	164.0	62.3	45.5	84.5
					98.0	34.5	20.0	37.1

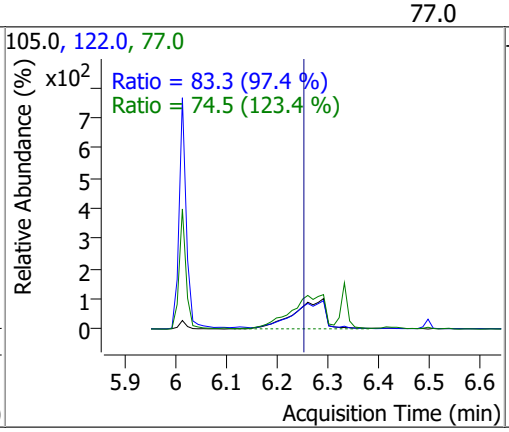


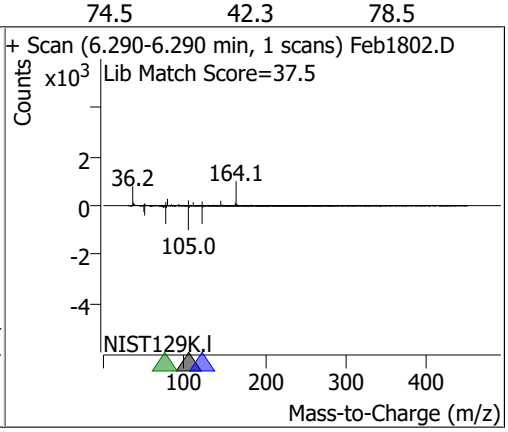




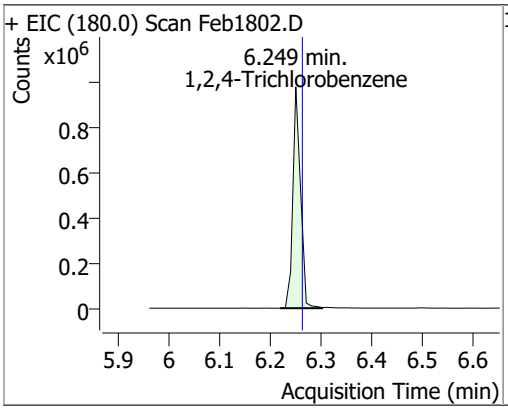
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	145.3846	6.29	0.05	580859	122.0	83.3	59.9	111.2
					77.0	74.5	42.3	78.5

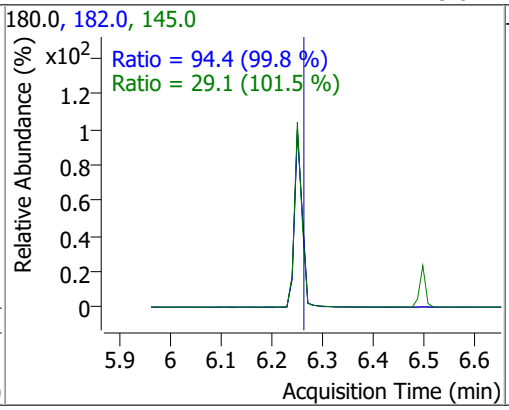


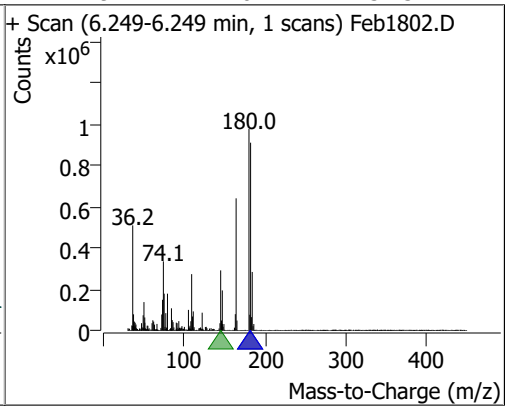




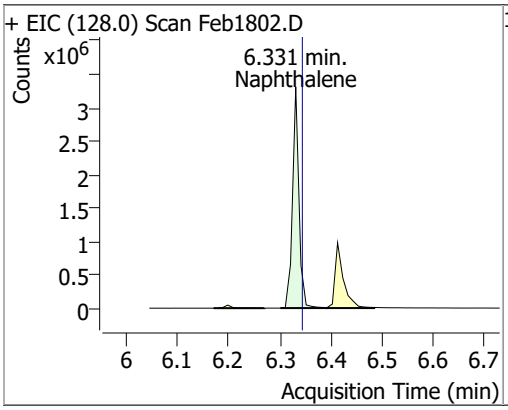
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	148.2588	6.25	0.00	1020843	182.0	94.4	66.2	122.9
					145.0	29.1	20.1	37.3

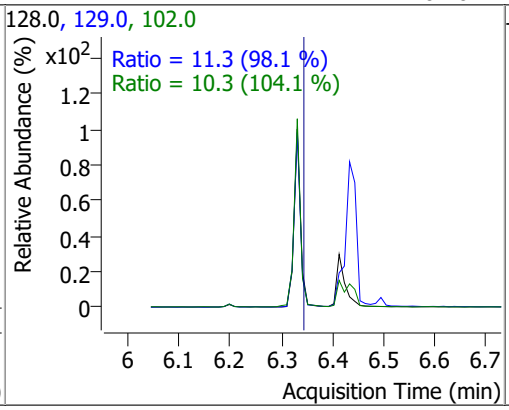


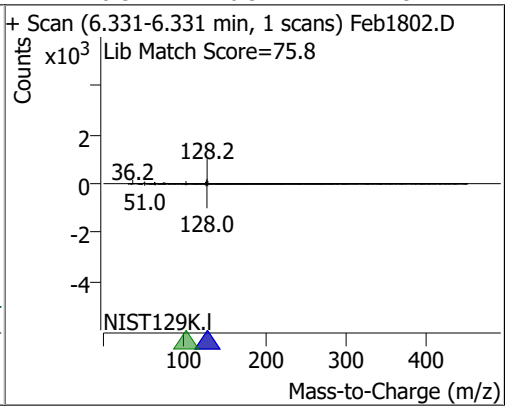




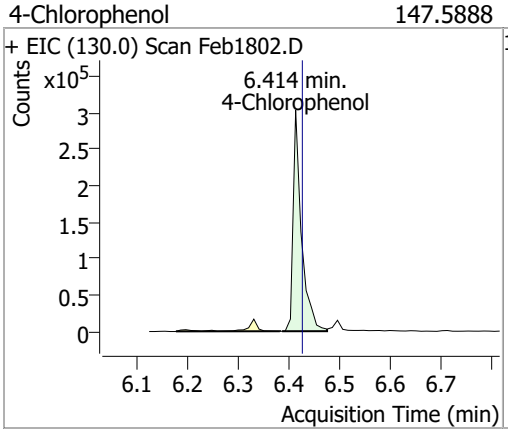
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	144.2577	6.33	0.00	2903611	129.0	11.3	8.0	14.9
					102.0	10.3	6.9	12.9

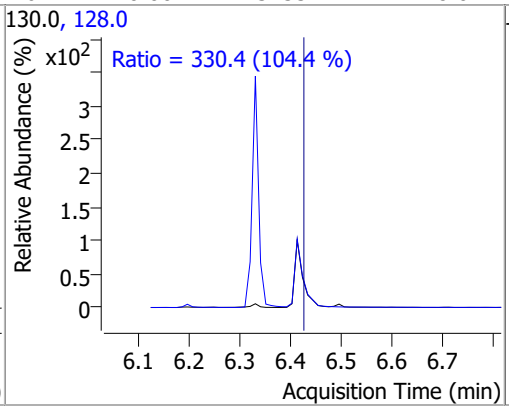


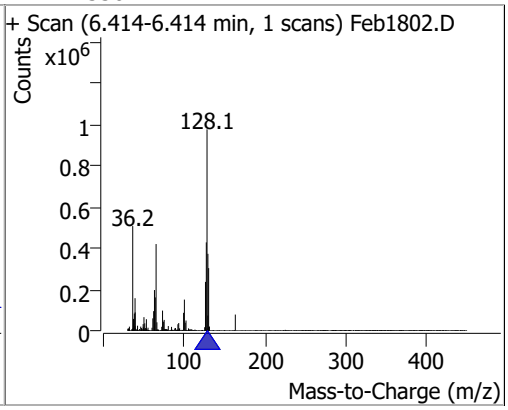




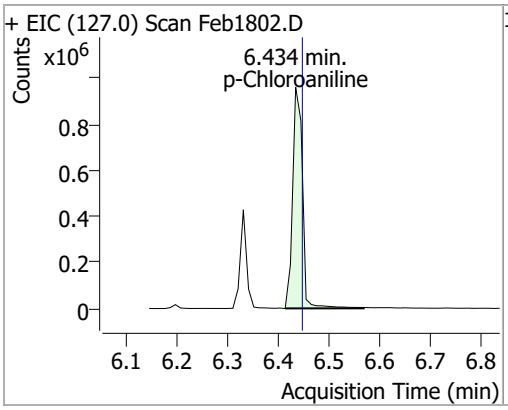
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	147.5888	6.41	0.00	345521	128.0	330.4	221.4	411.2

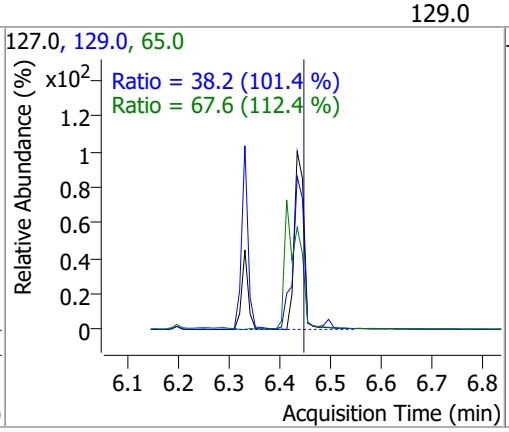


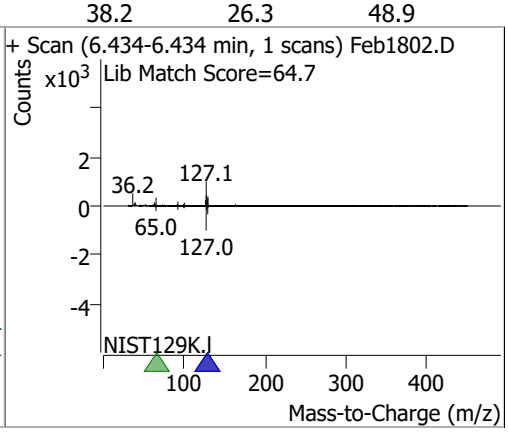




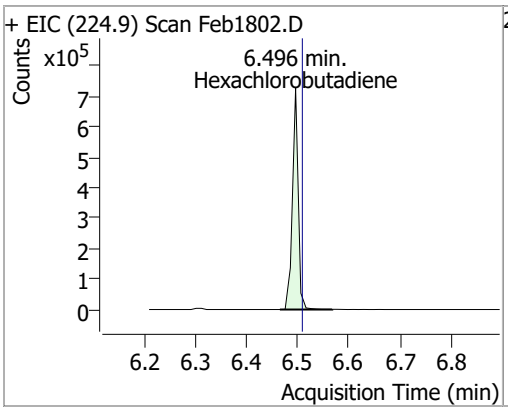
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	150.5232	6.43	0.00	1228719	65.0	67.6	42.1	78.2
					129.0	38.2	26.3	48.9

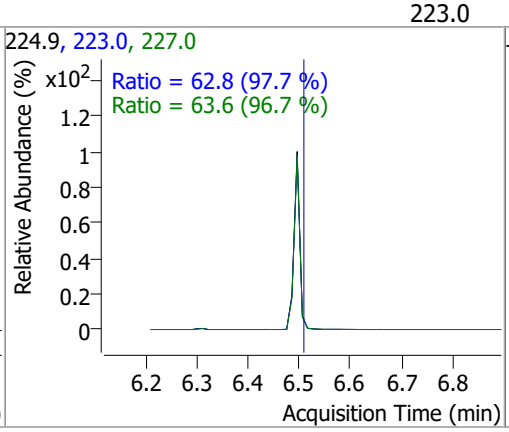


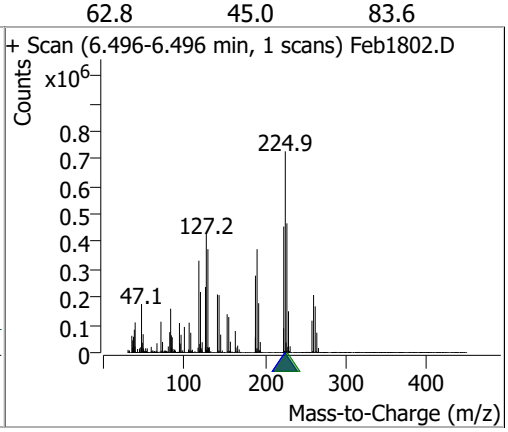




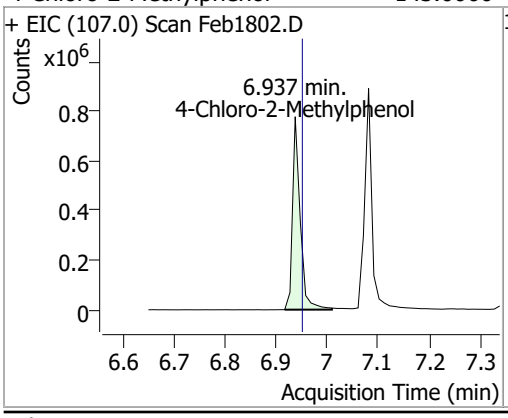
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	147.3648	6.50	0.00	573148	227.0	63.6	46.0	85.4
					223.0	62.8	45.0	83.6

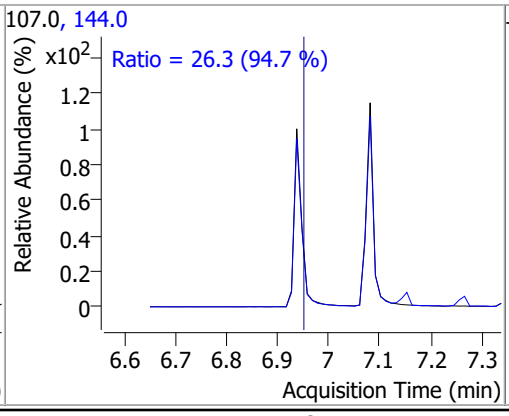


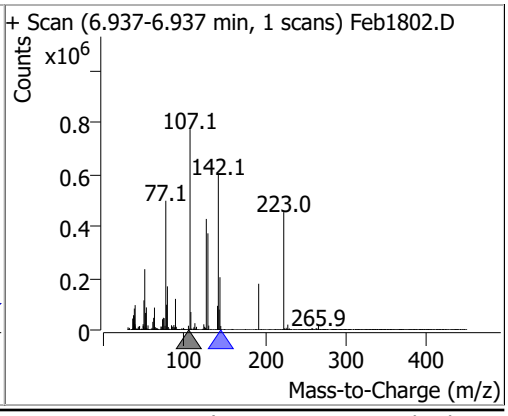




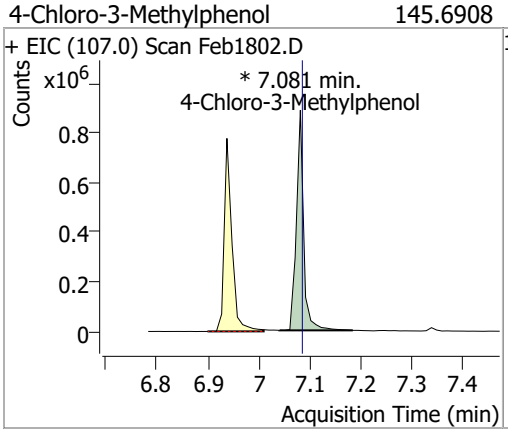
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	143.0066	6.94	0.00	789739	144.0	26.3	19.4	36.1

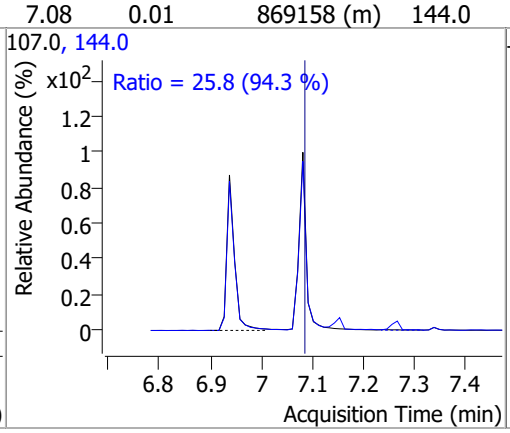


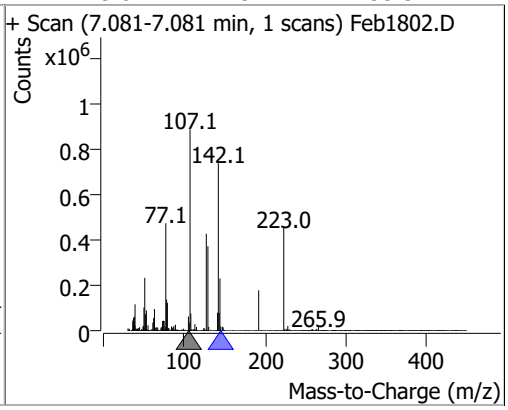




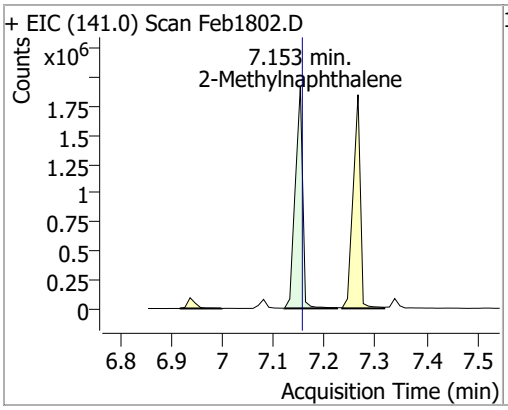
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	145.6908	7.08	0.01	869158 (m)	144.0	25.8	19.1	35.5

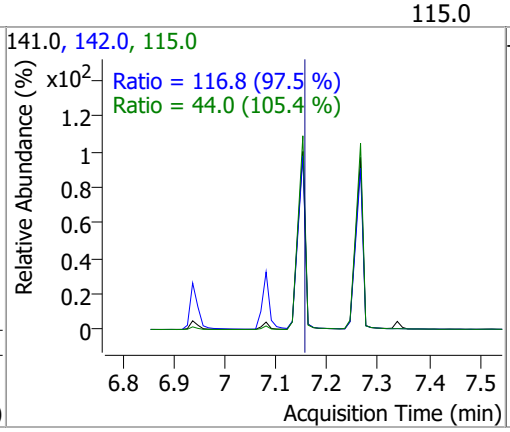


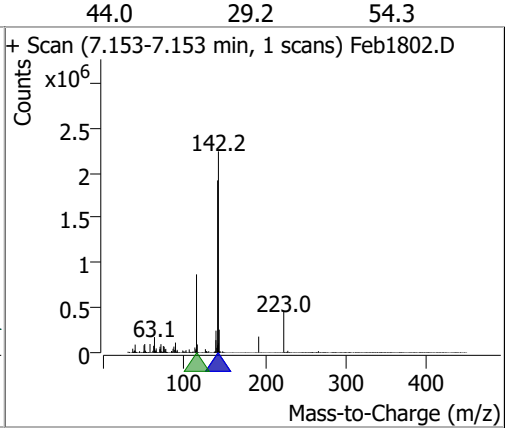




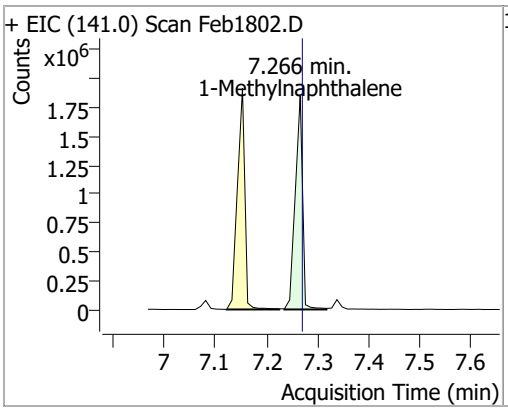
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	150.9988	7.15	0.01	1933828	142.0	116.8	83.8	155.7
					115.0	44.0	29.2	54.3

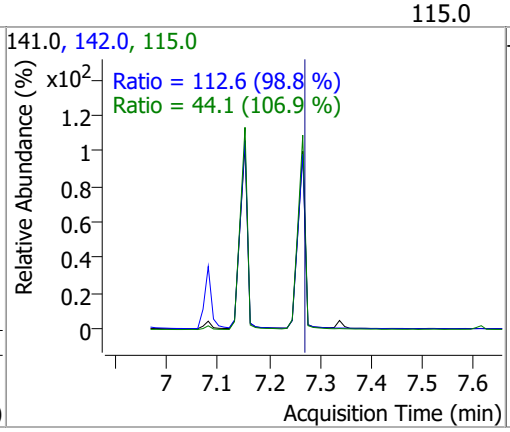


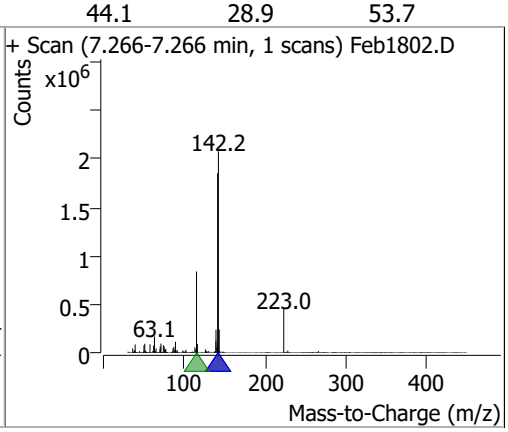




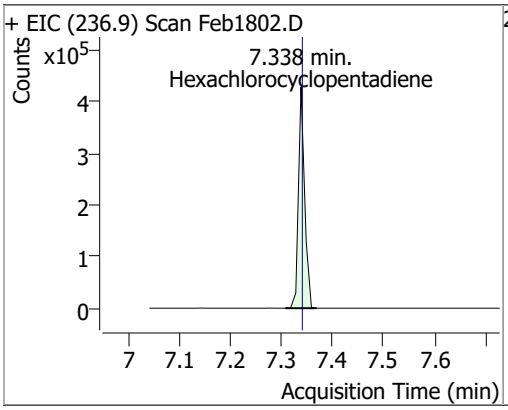
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	150.2226	7.27	0.01	1836402	142.0	112.6	79.8	148.2
					115.0	44.1	28.9	53.7

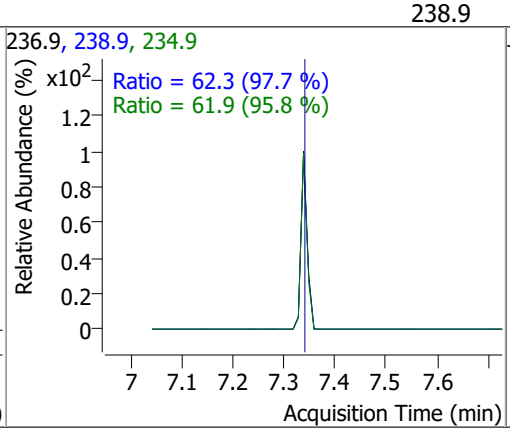


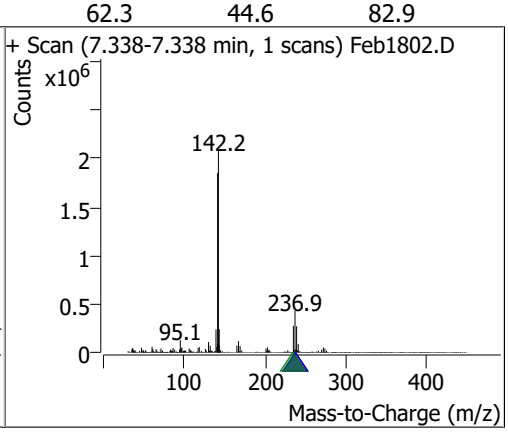




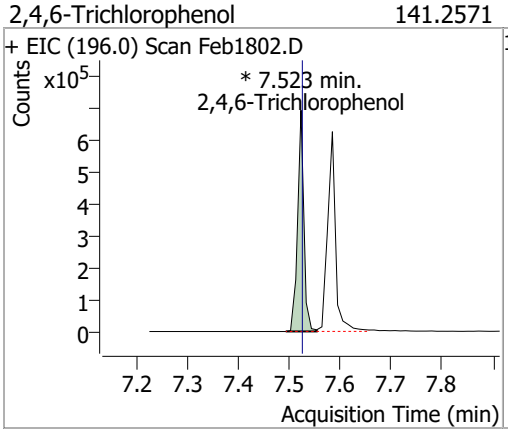
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	147.7348	7.34	0.00	361285	234.9	61.9	45.2	84.0
					238.9	62.3	44.6	82.9

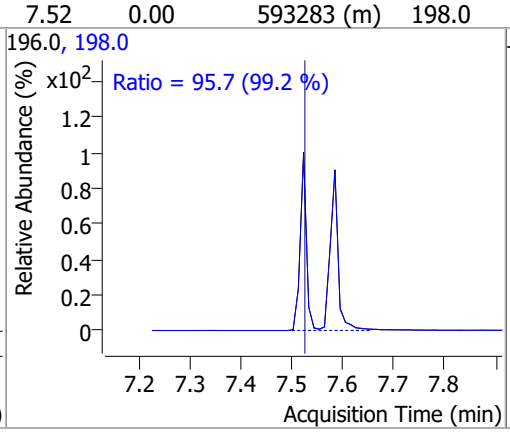


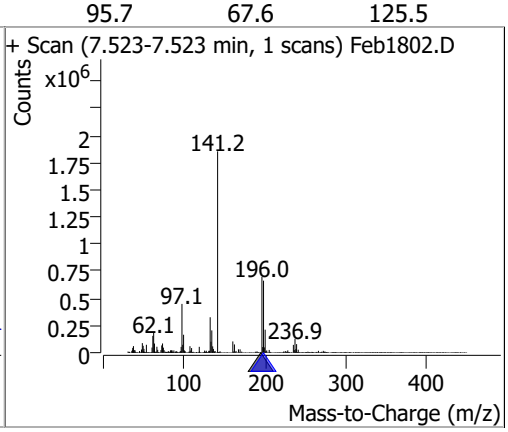




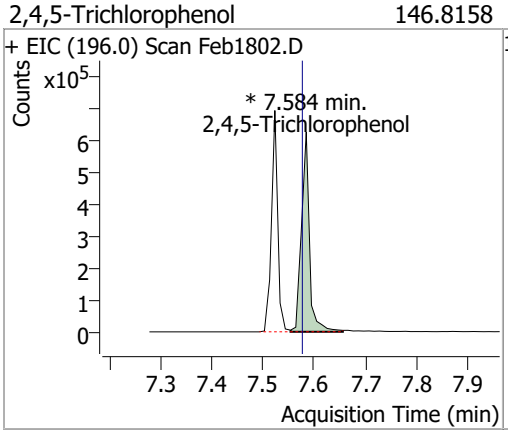
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	141.2571	7.52	0.00	593283 (m)	198.0	95.7	67.6	125.5

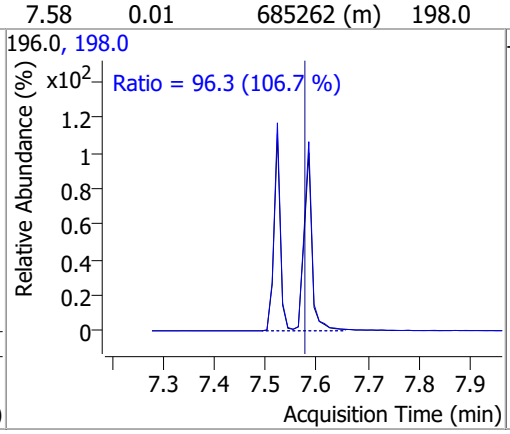


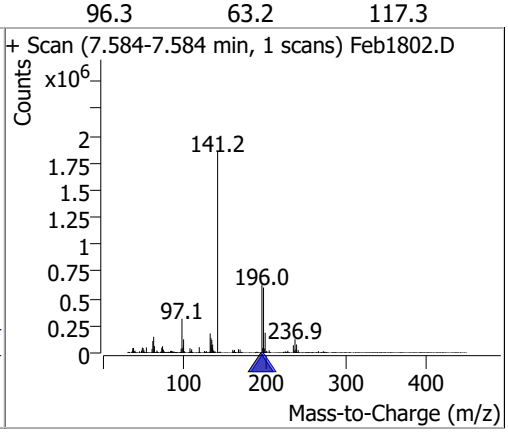




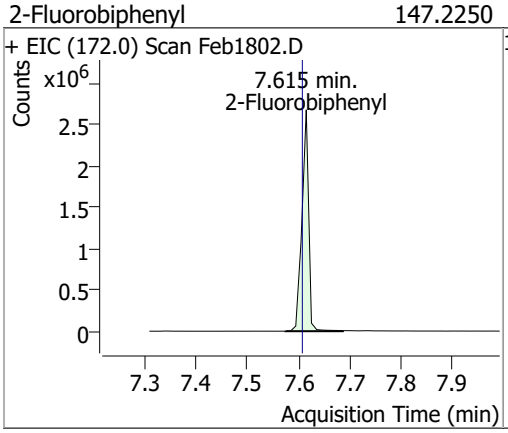
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	146.8158	7.58	0.01	685262 (m)	198.0	96.3	63.2	117.3

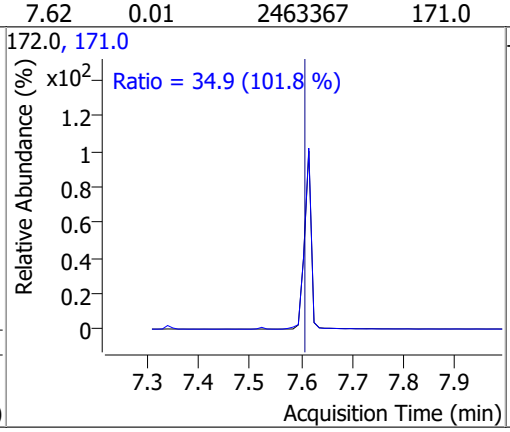


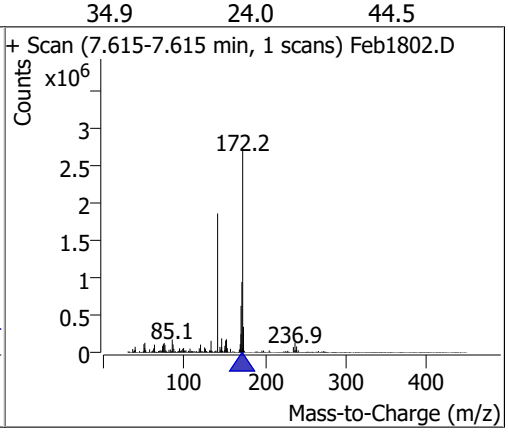




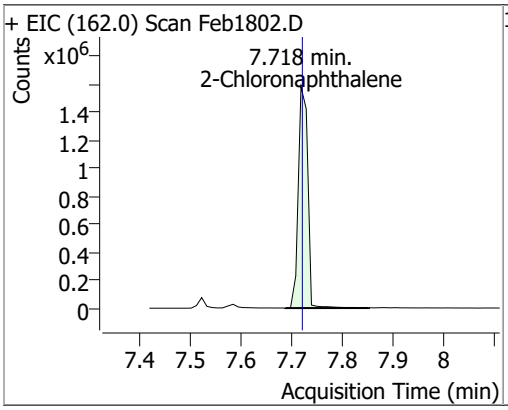
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	147.2250	7.62	0.01	2463367	171.0	34.9	24.0	44.5

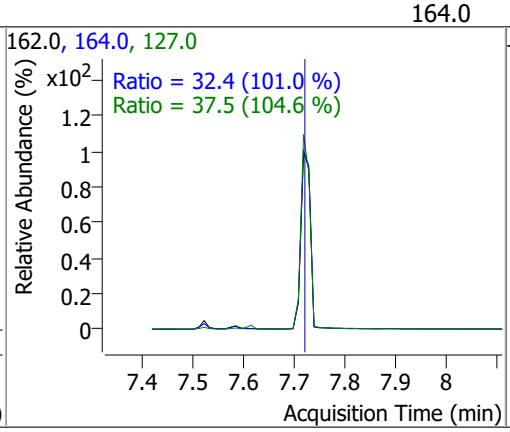


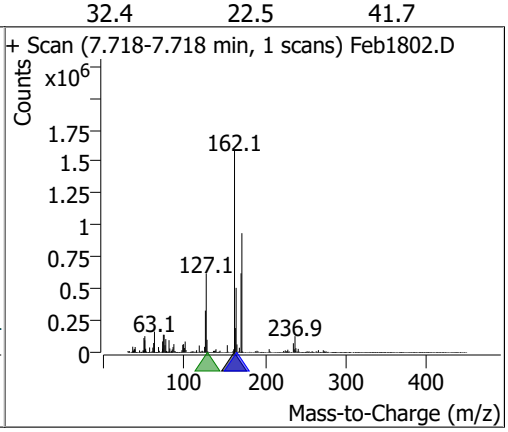




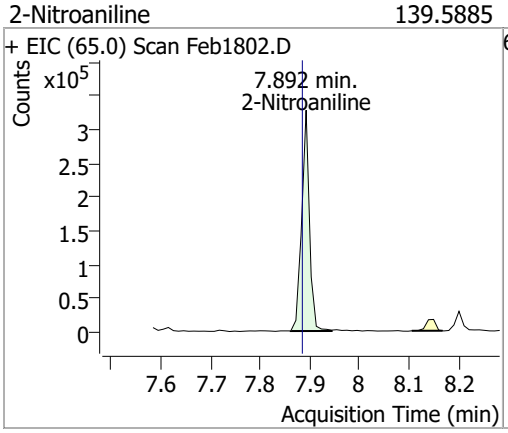
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	146.7090	7.72	0.00	2050771	127.0	37.5	25.1	46.7
					164.0	32.4	22.5	41.7

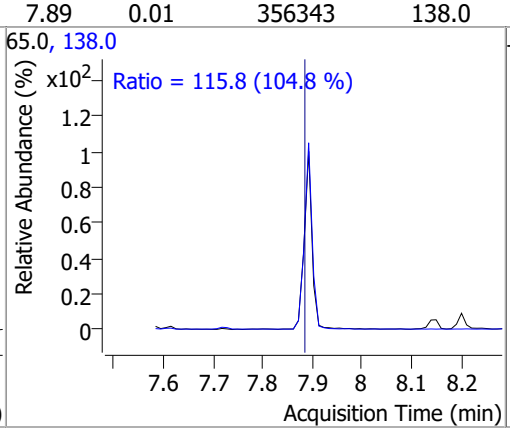


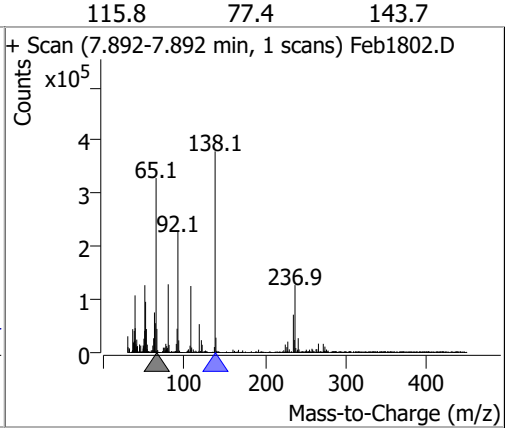




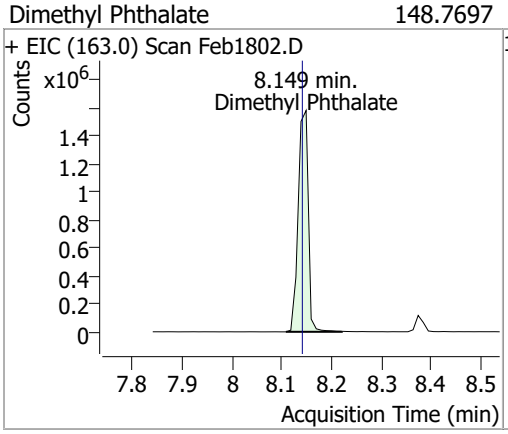
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	139.5885	7.89	0.01	356343	138.0	115.8	77.4	143.7

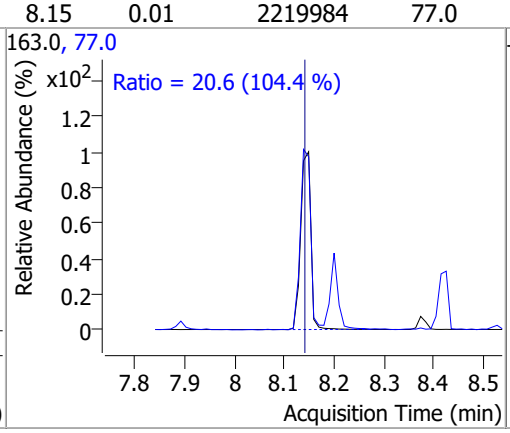


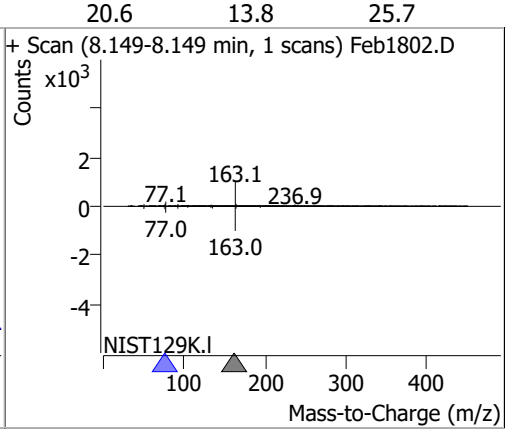




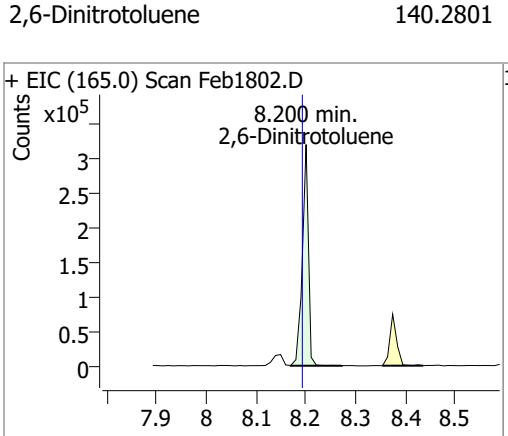
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	148.7697	8.15	0.01	2219984	77.0	20.6	13.8	25.7

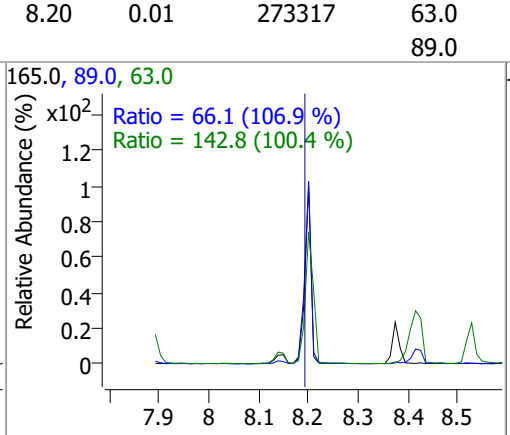


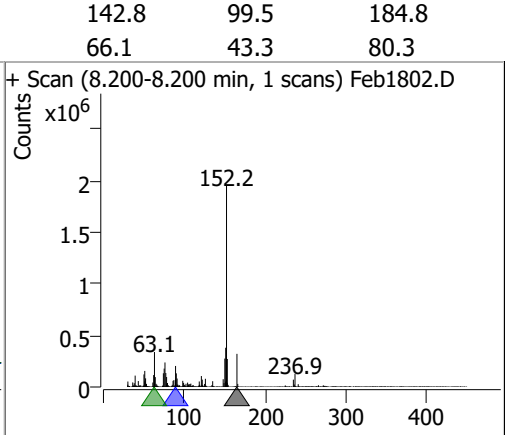




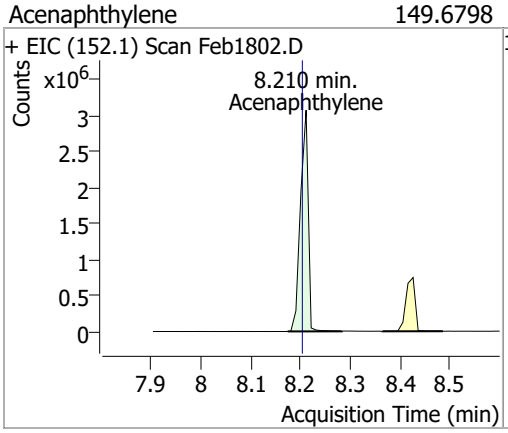
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	140.2801	8.20	0.01	273317	63.0	142.8	99.5	184.8
					89.0	66.1	43.3	80.3

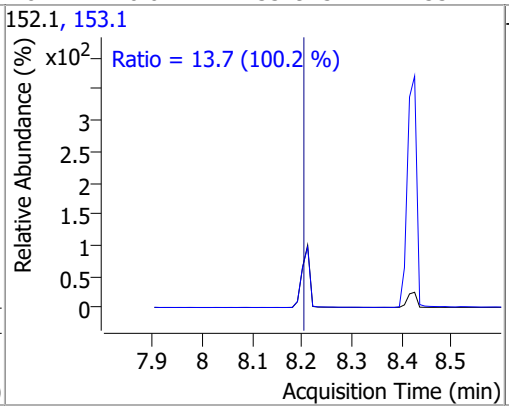


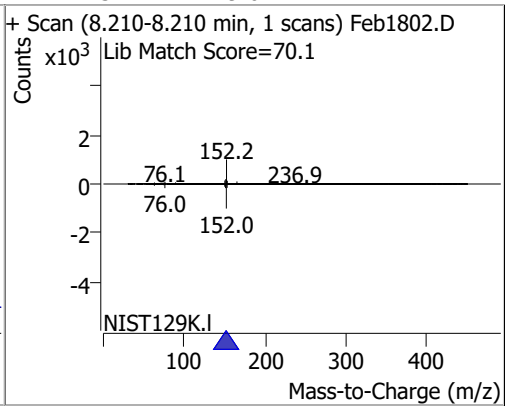




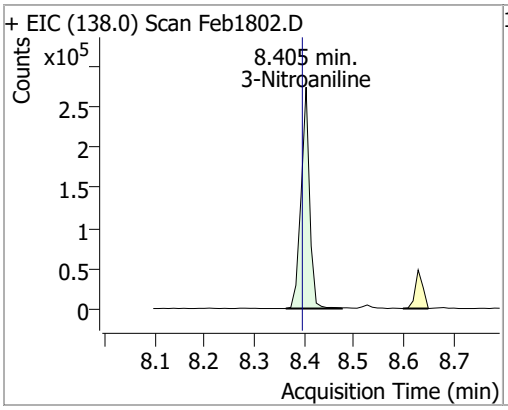
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	149.6798	8.21	0.01	3319452	153.1	13.7	9.6	17.7

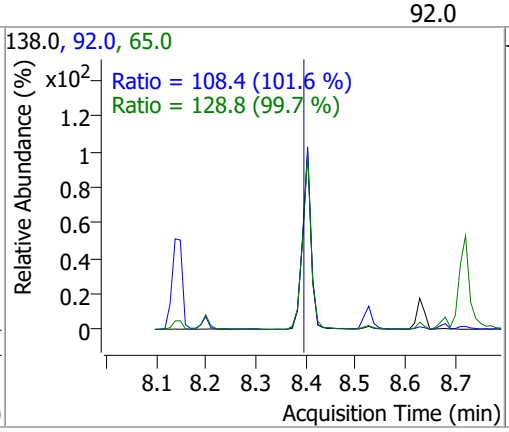


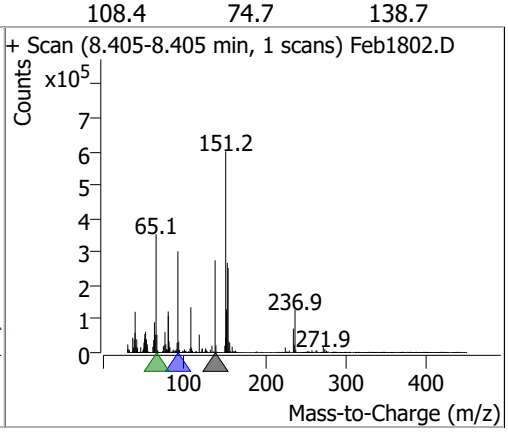




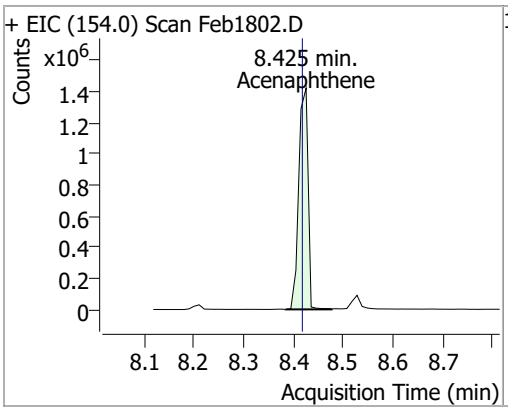
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	141.8409	8.40	0.01	328938	65.0	128.8	90.4	167.8
					92.0	108.4	74.7	138.7

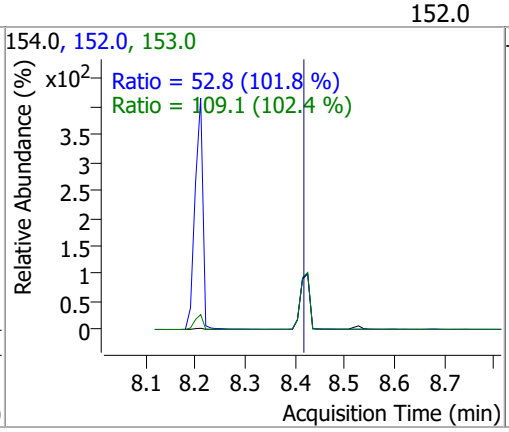


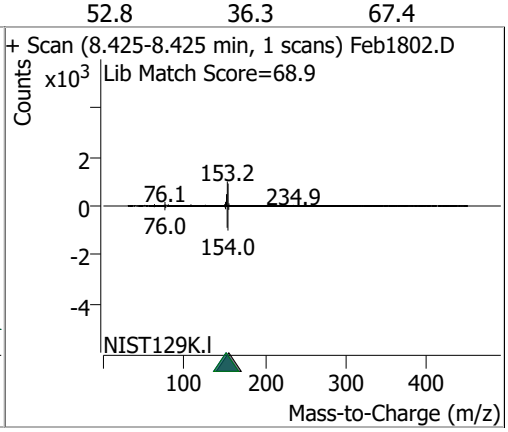




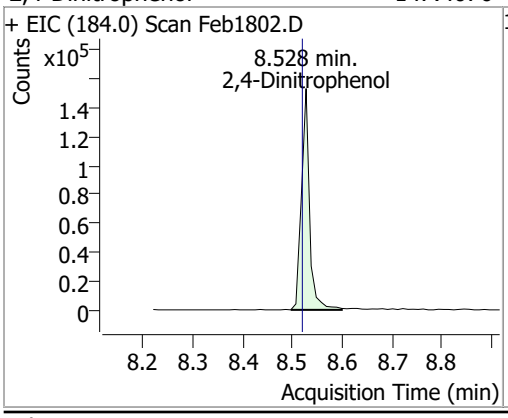
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	152.6309	8.43	0.01	1843621	153.0	109.1	74.5	138.4
					152.0	52.8	36.3	67.4

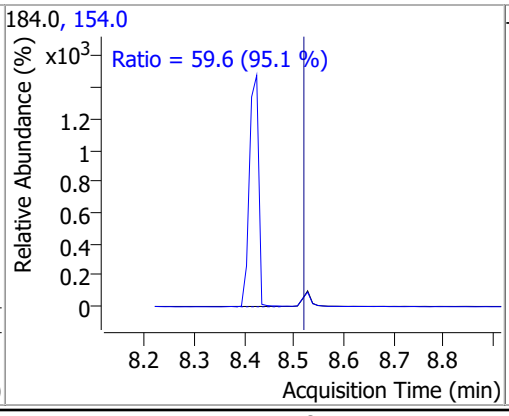


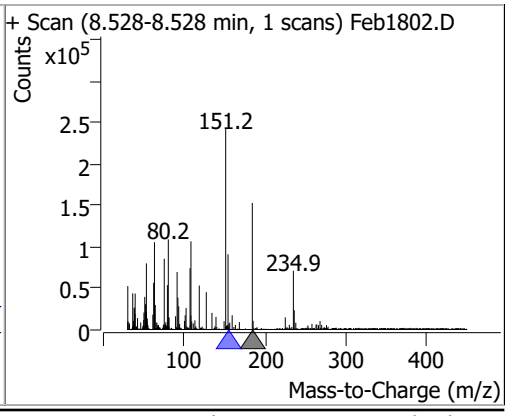




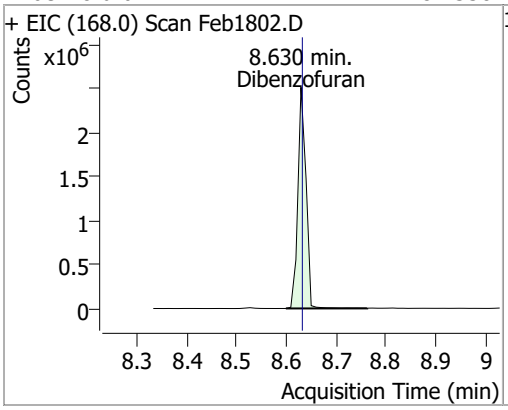
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	147.4076	8.53	0.01	173045	154.0	59.6	43.9	81.5

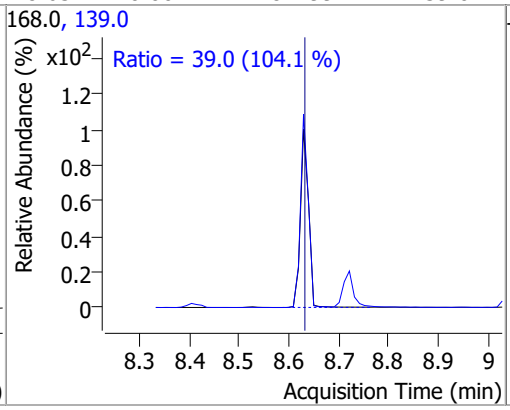


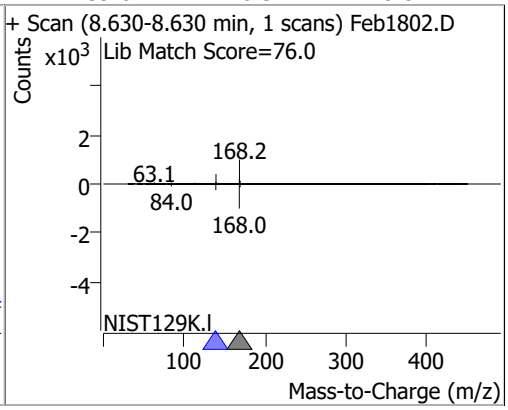




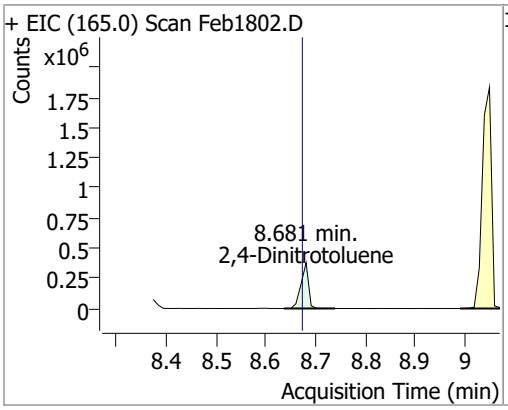
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	148.1350	8.63	0.00	2842991	139.0	39.0	26.3	48.8

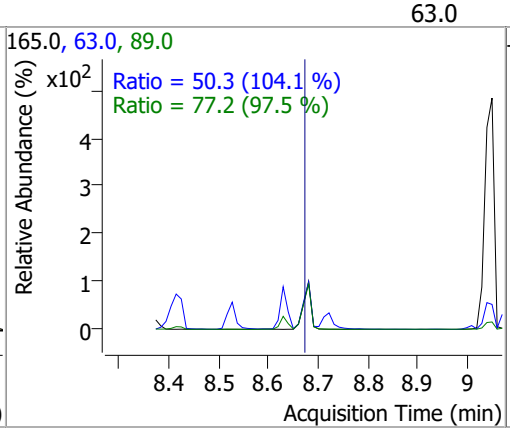


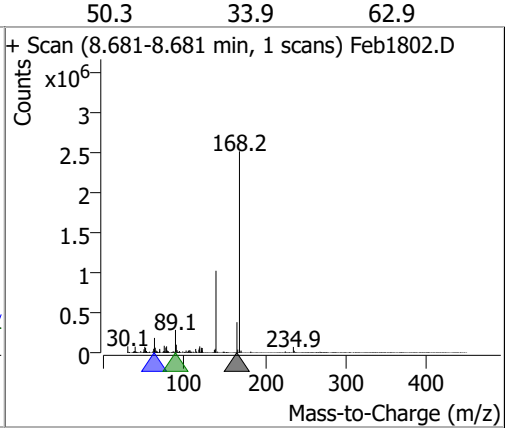




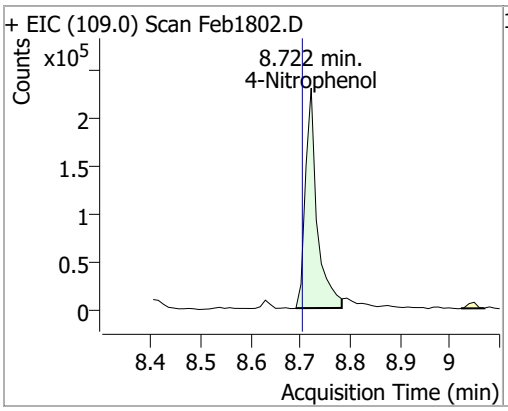
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	147.3776	8.68	0.01	397564	89.0	77.2	55.4	102.9
					63.0	50.3	33.9	62.9

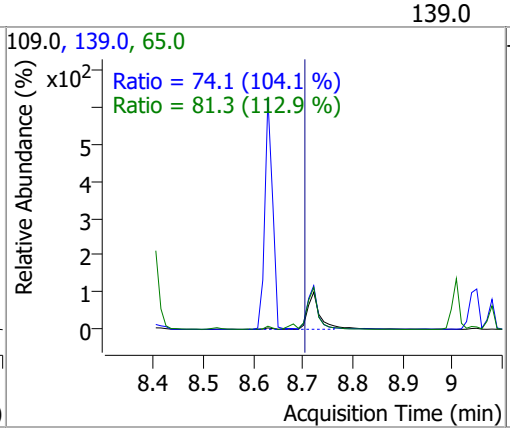


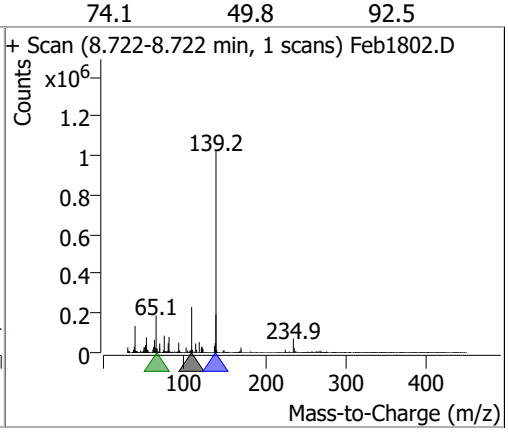




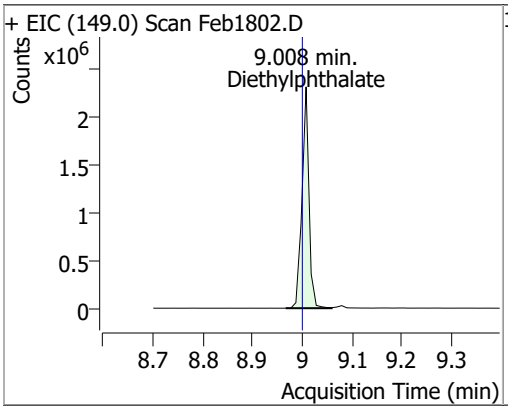
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	144.3881	8.72	0.02	368713	65.0	81.3	50.4	93.6
					139.0	74.1	49.8	92.5

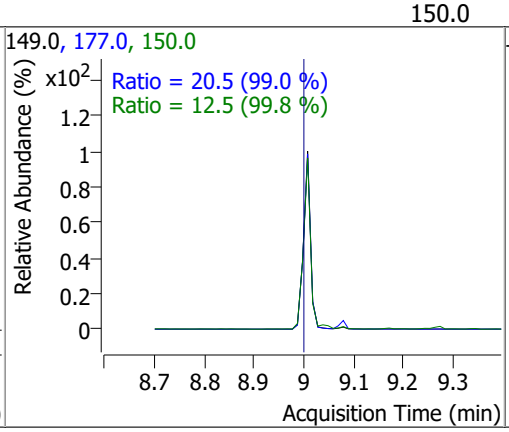


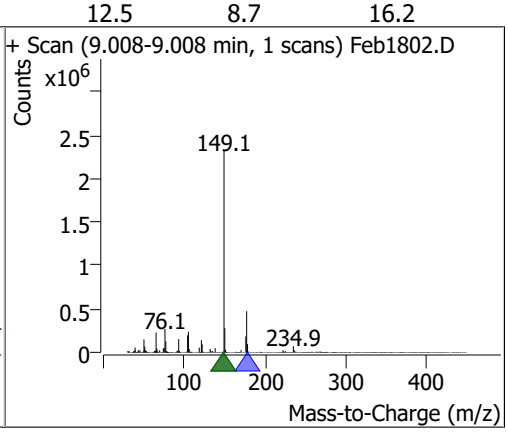




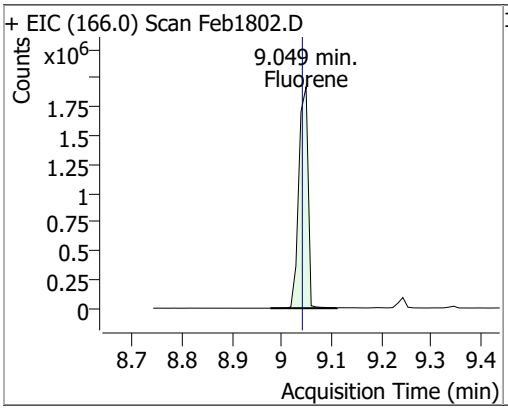
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	145.3678	9.01	0.01	2256164	177.0	20.5	14.5	27.0
					150.0	12.5	8.7	16.2

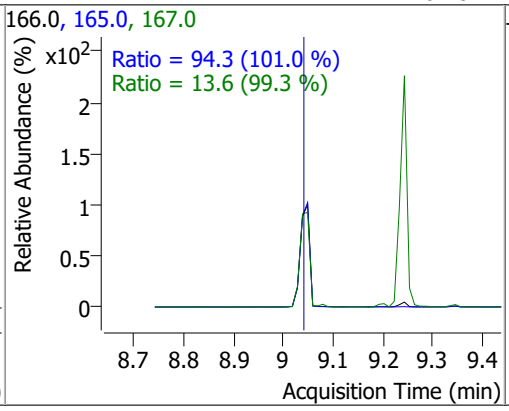


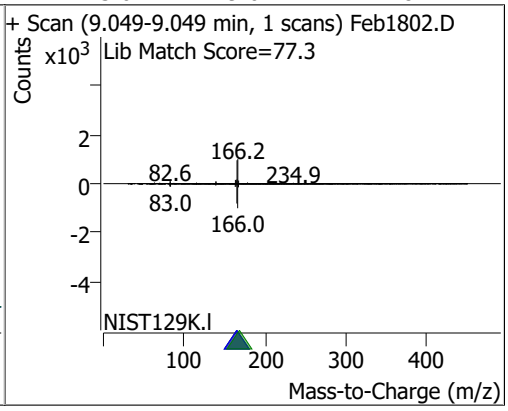




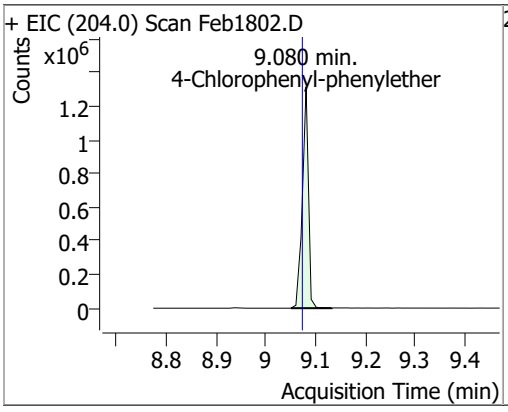
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	153.8147	9.05	0.01	2493155	165.0	94.3	65.4	121.4
					167.0	13.6	9.6	17.8

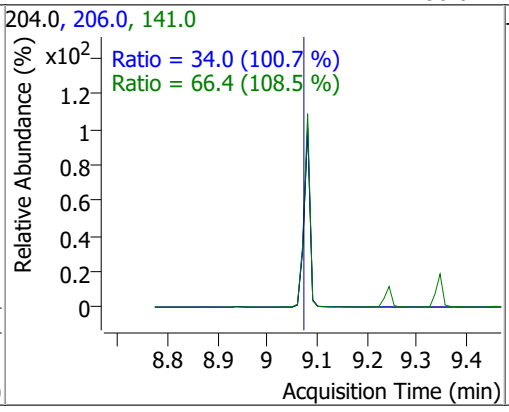


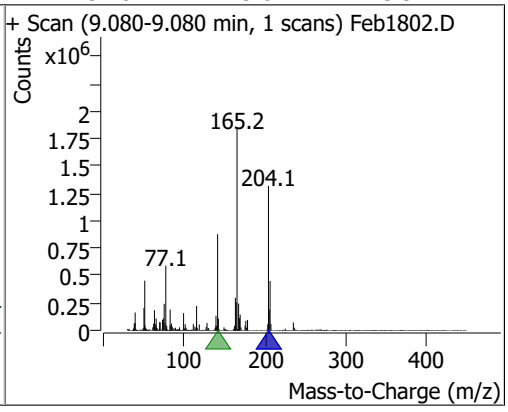




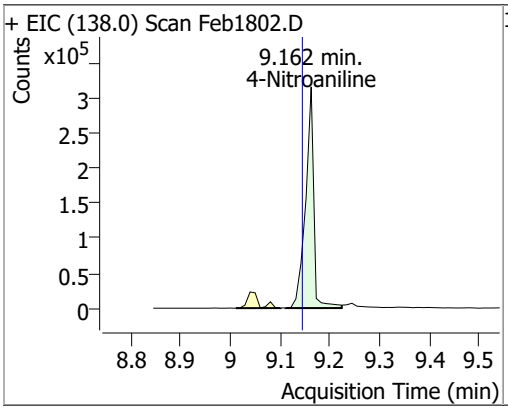
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	142.5752	9.08	0.01	1110314	141.0	66.4	42.8	79.6
					206.0	34.0	23.6	43.9

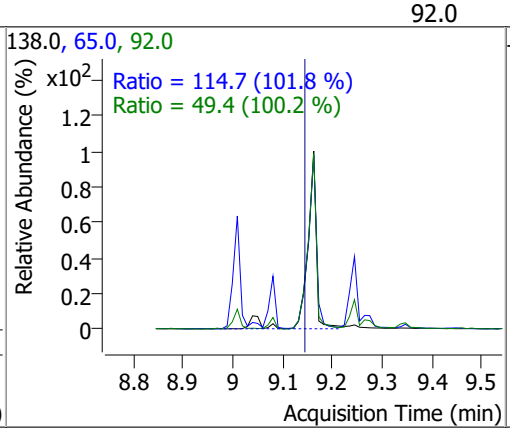


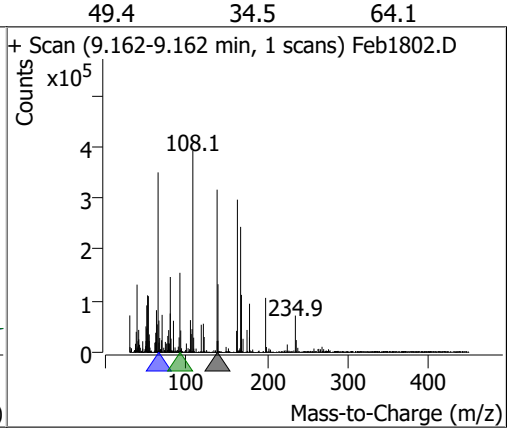




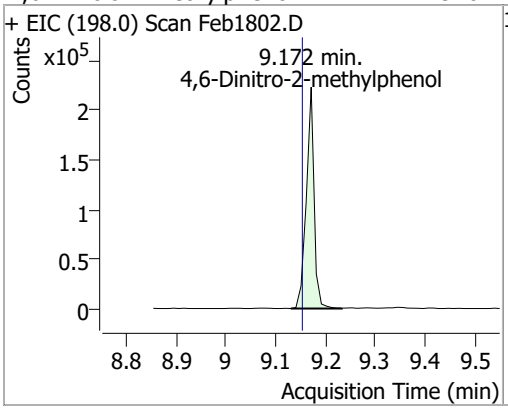
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	147.4676	9.16	0.02	363865	65.0	114.7	78.9	146.6
					92.0	49.4	34.5	64.1

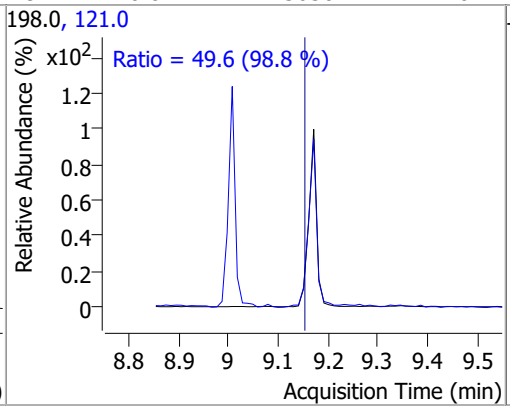


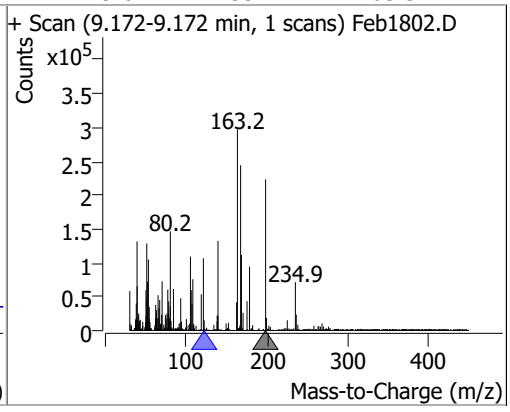




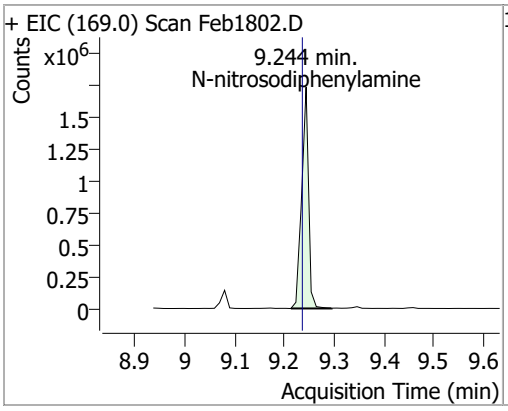
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	147.9207	9.17	0.02	243650	121.0	49.6	35.1	65.3

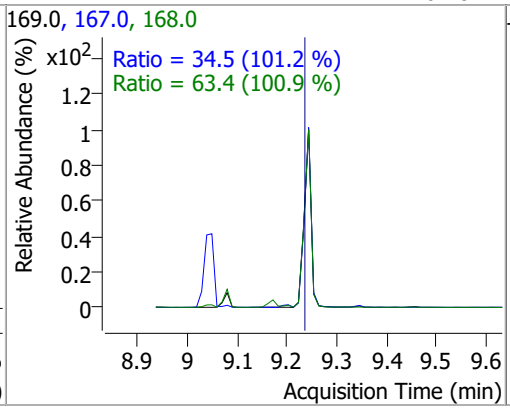


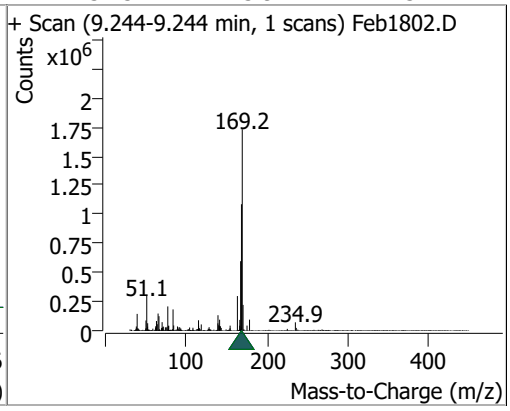




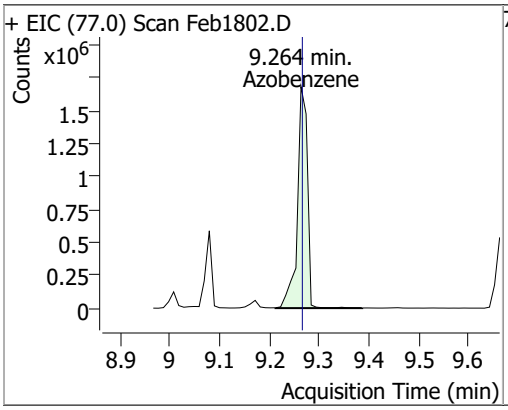
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	148.6623	9.24	0.01	1648173	168.0	63.4	44.0	81.7
					167.0	34.5	23.9	44.3

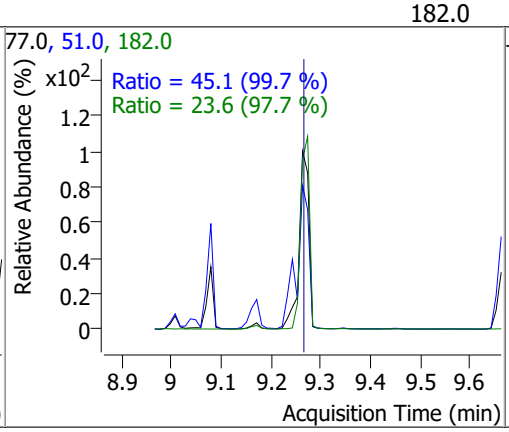


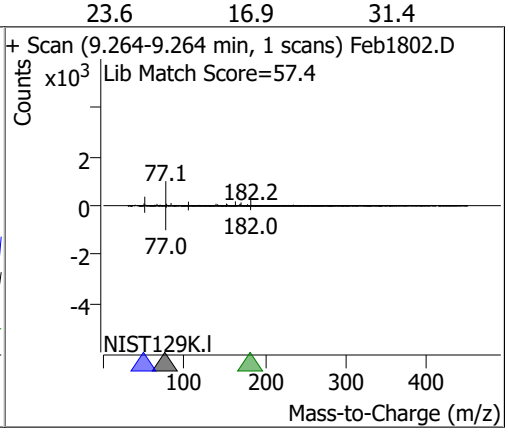




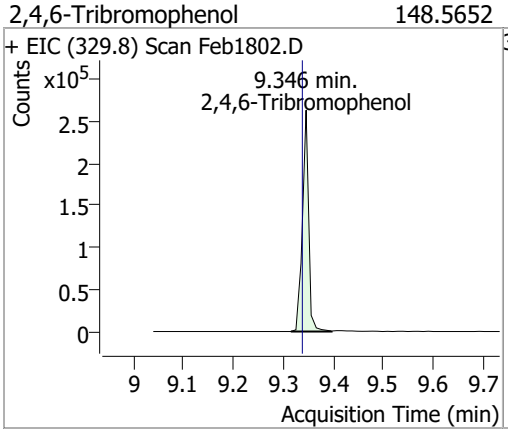
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	151.0311	9.26	0.00	2354024	51.0	45.1	31.6	58.7
					182.0	23.6	16.9	31.4

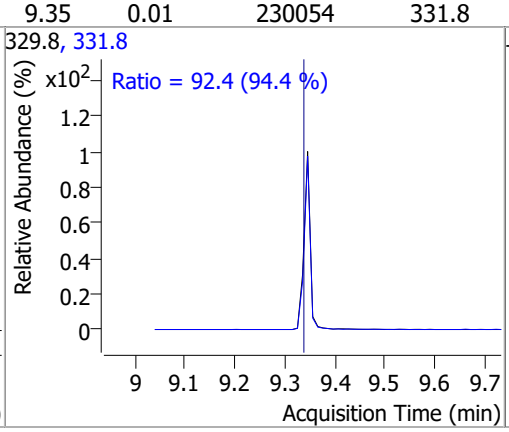


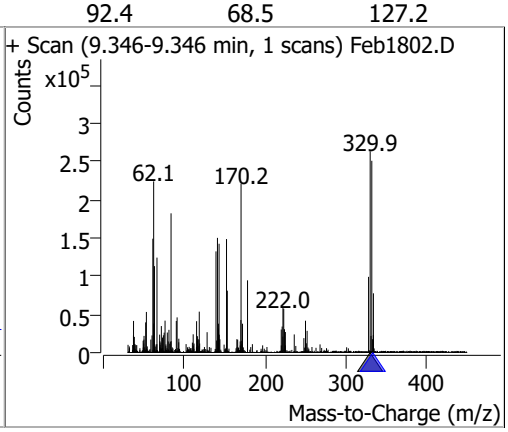




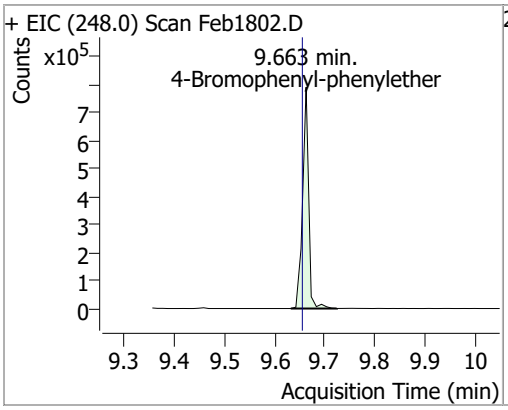
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	148.5652	9.35	0.01	230054	331.8	92.4	68.5	127.2

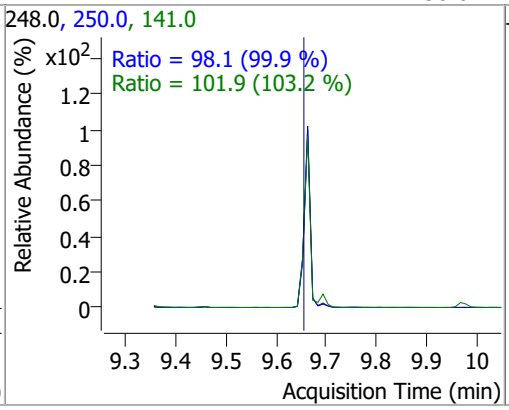


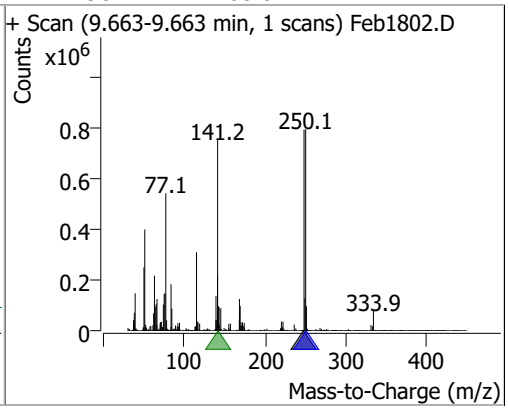




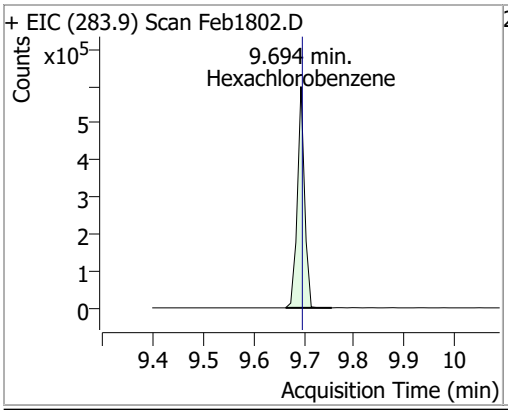
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	146.8992	9.66	0.01	662596	141.0	101.9	69.1	128.4
					250.0	98.1	68.8	127.7

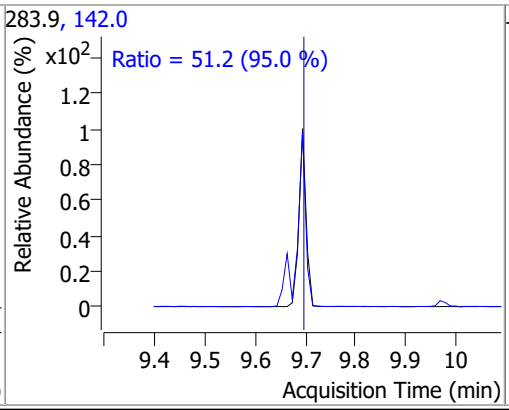


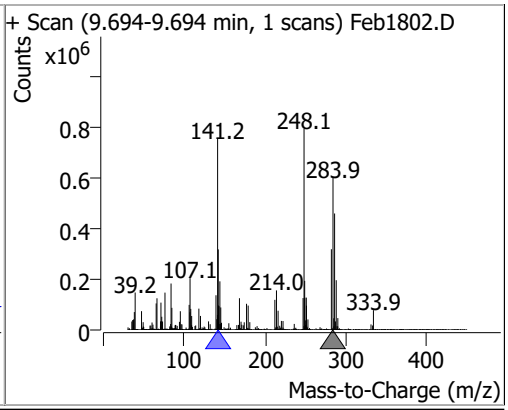




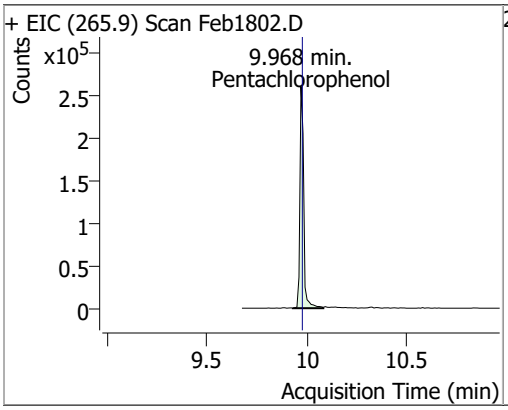
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	143.5319	9.69	0.00	597870	142.0	51.2	37.7	70.0

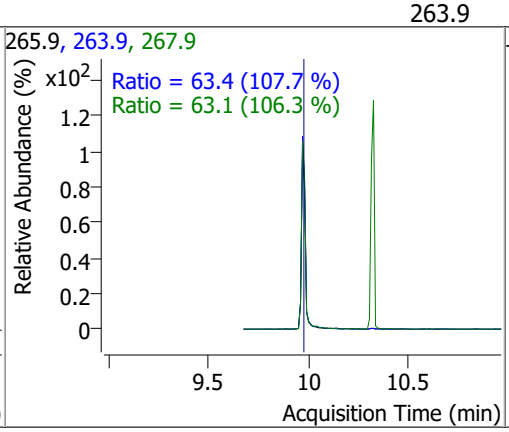


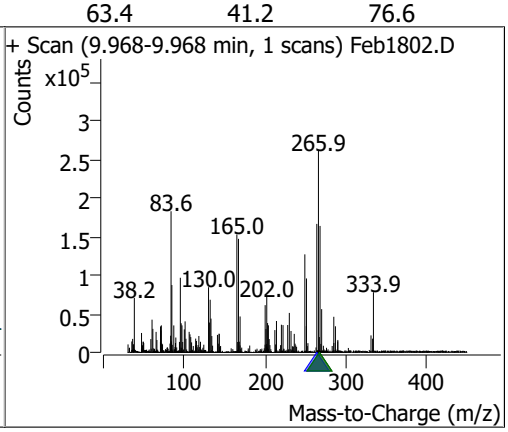




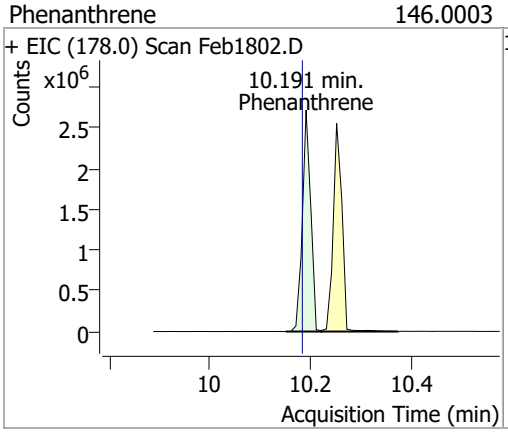
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	148.7927	9.97	0.00	342613	267.9	63.1	41.5	77.2
					263.9	63.4	41.2	76.6

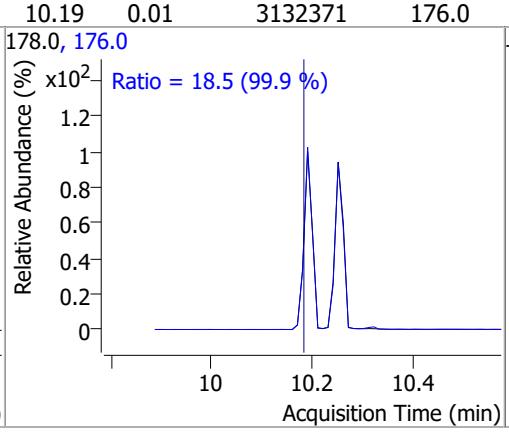


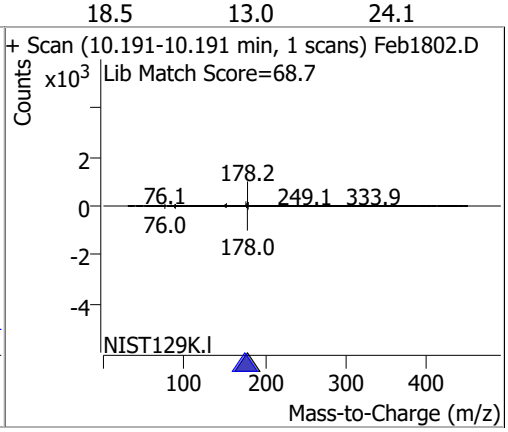




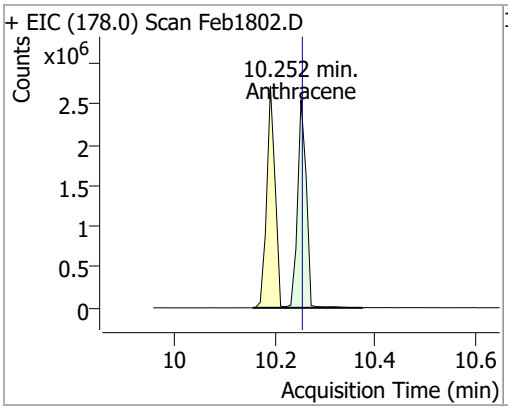
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	146.0003	10.19	0.01	3132371	176.0	18.5	13.0	24.1

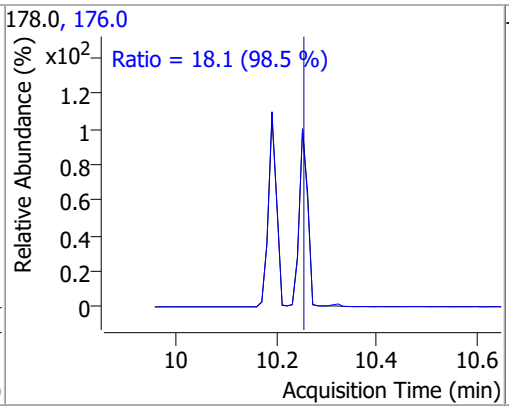


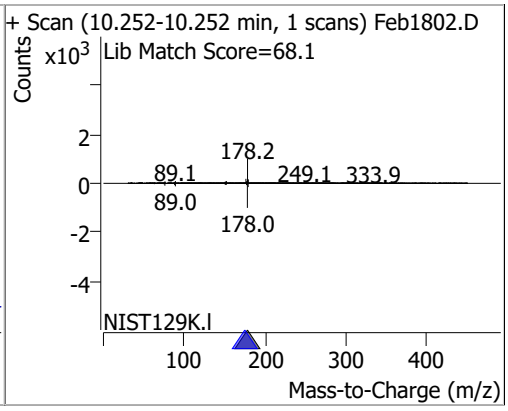




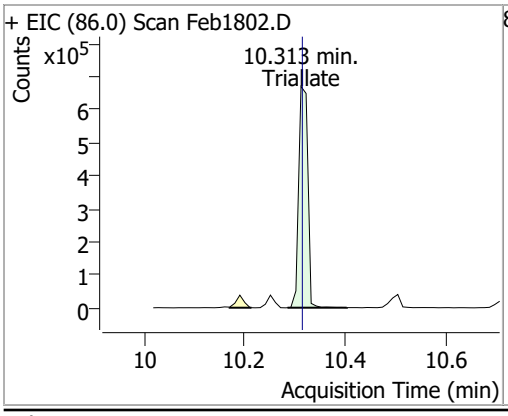
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	143.8138	10.25	0.00	3071678	176.0	18.1	12.9	23.9

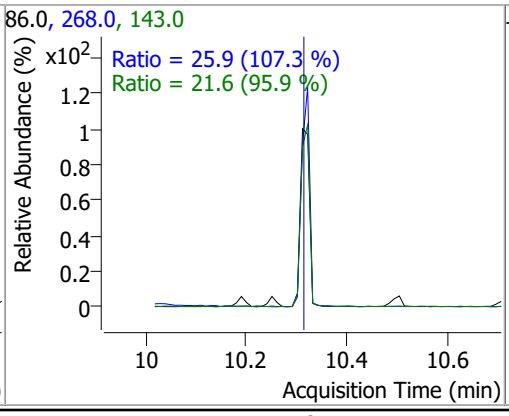


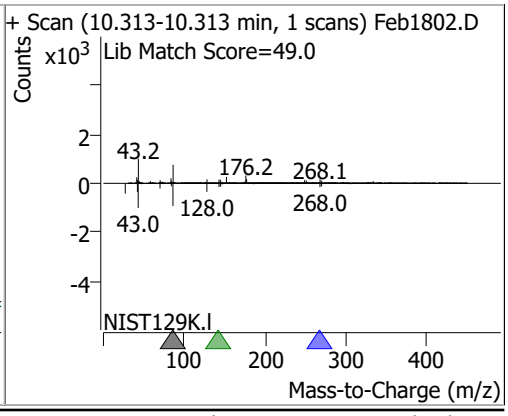




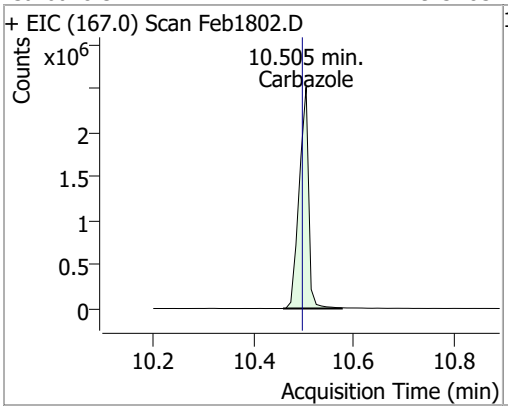
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	149.2795	10.31	0.00	845447	268.0	25.9	16.9	31.4
					143.0	21.6	15.8	29.3

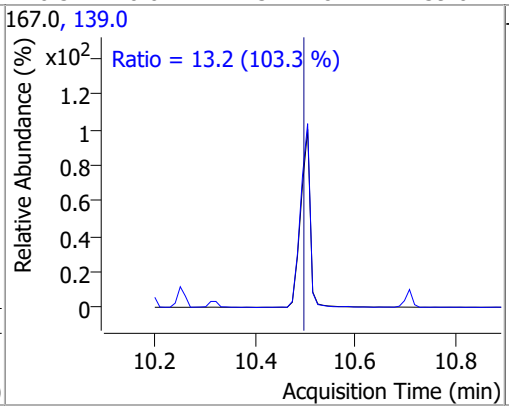


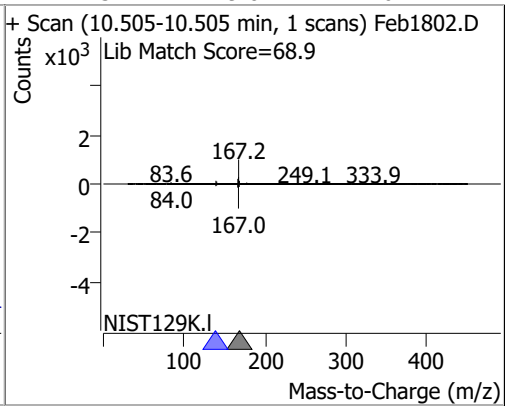




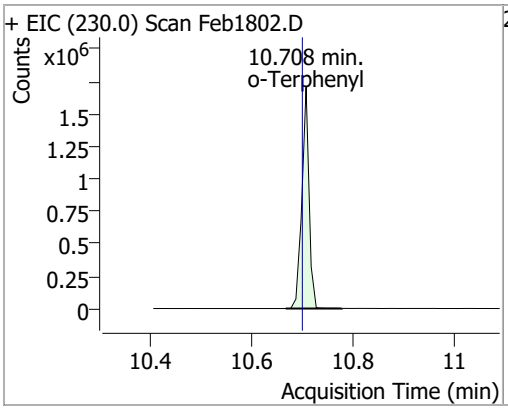
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	149.5705	10.51	0.01	3271481	139.0	13.2	9.0	16.7

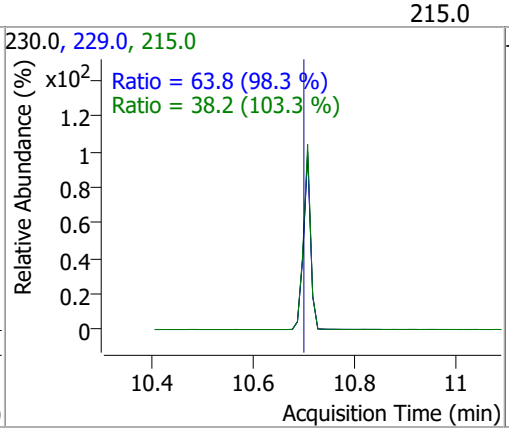


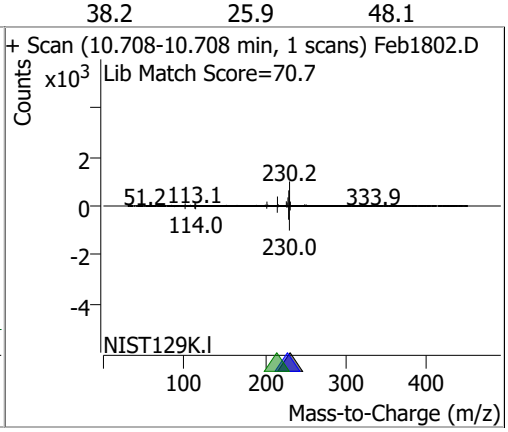




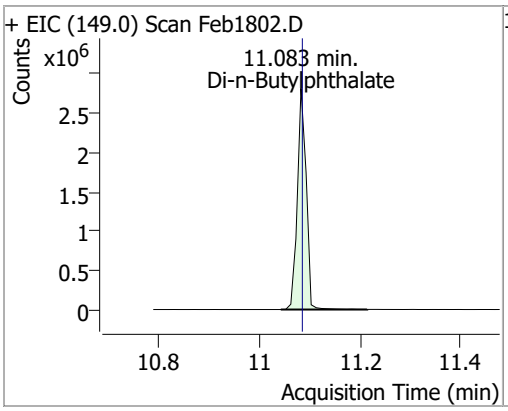
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	143.8799	10.71	0.01	1697837	229.0	63.8	45.4	84.3
					215.0	38.2	25.9	48.1

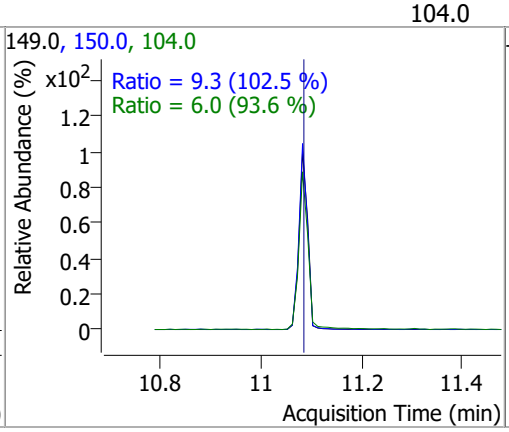


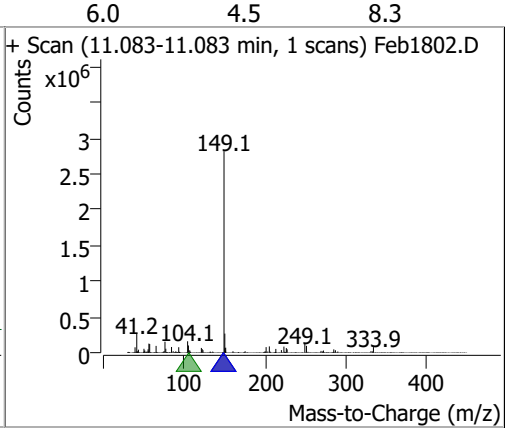




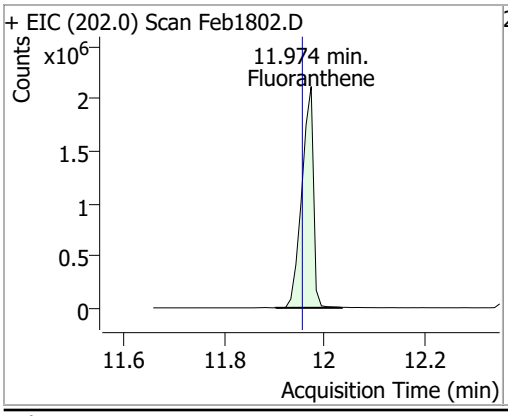
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	147.6497	11.08	0.00	3446165	150.0	9.3	6.3	11.8
					104.0	6.0	4.5	8.3

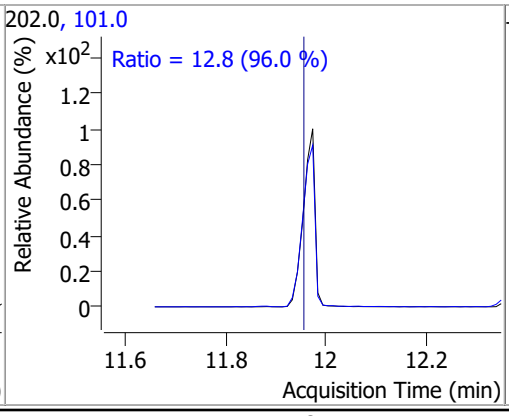


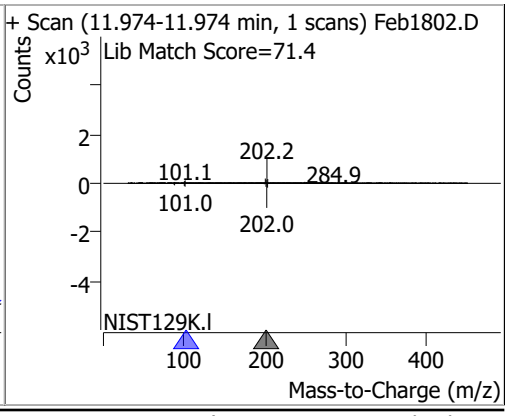




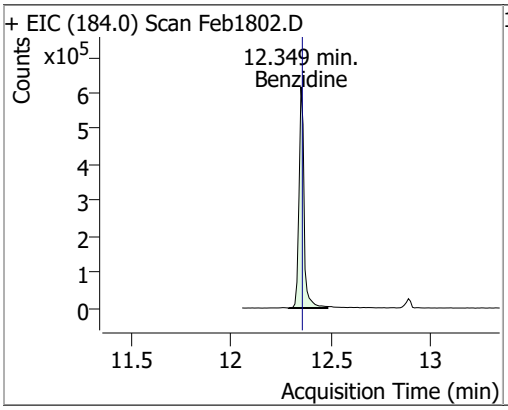
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	148.7725	11.97	0.02	3397461	101.0	12.8	9.4	17.4

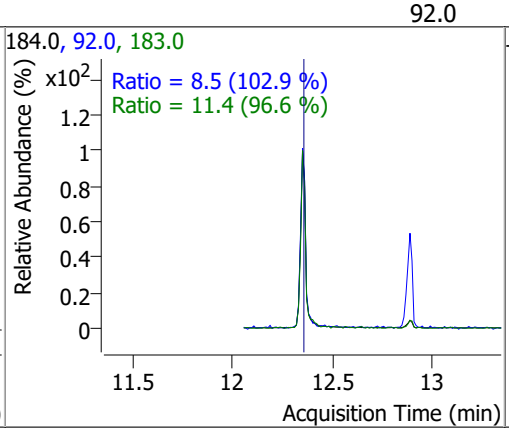


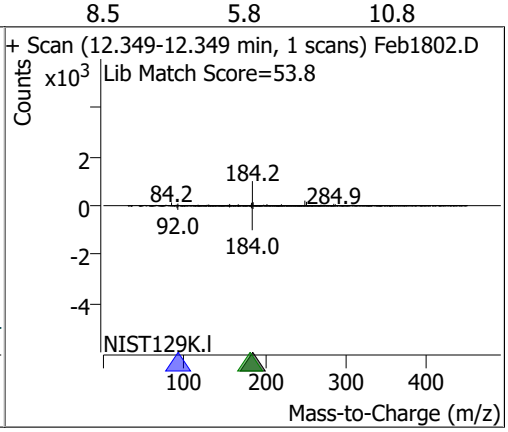




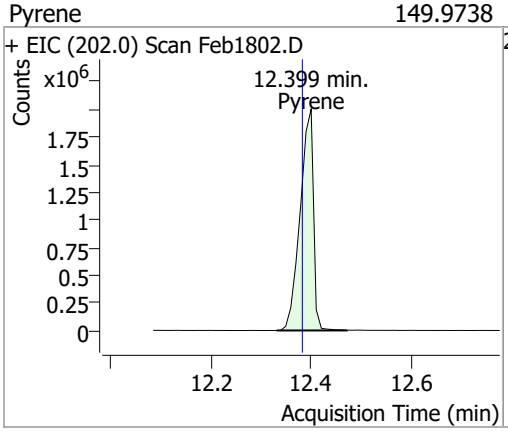
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	152.2725	12.35	0.00	1083722	183.0	11.4	8.3	15.4
					92.0	8.5	5.8	10.8

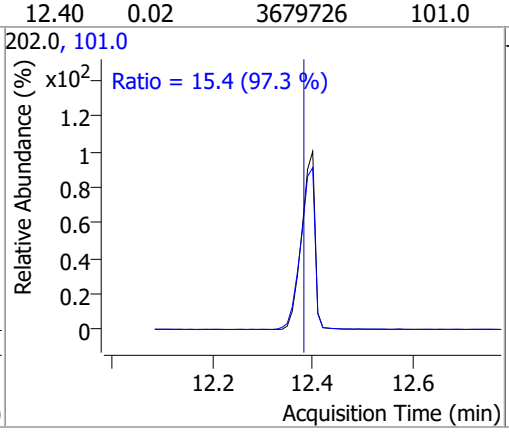


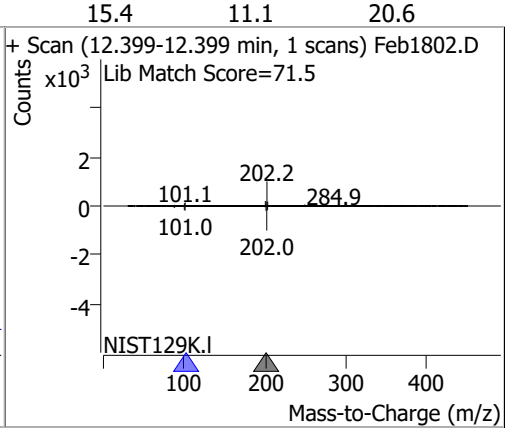




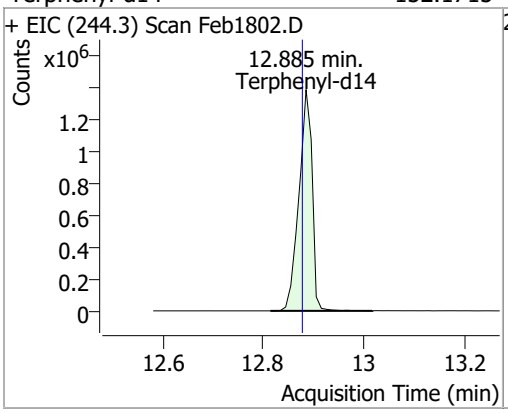
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	149.9738	12.40	0.02	3679726	101.0	15.4	11.1	20.6

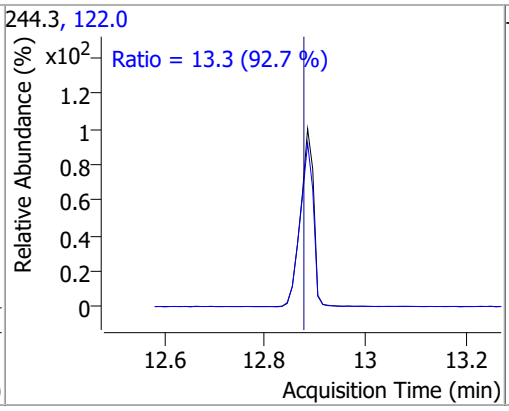


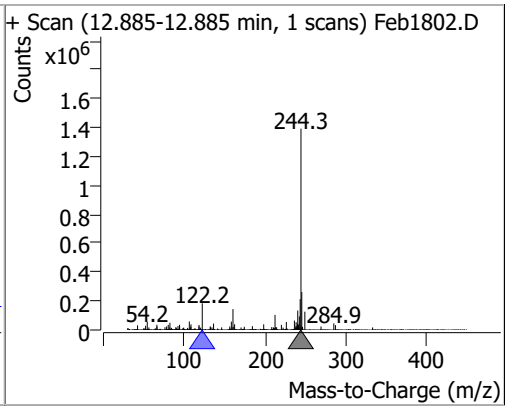




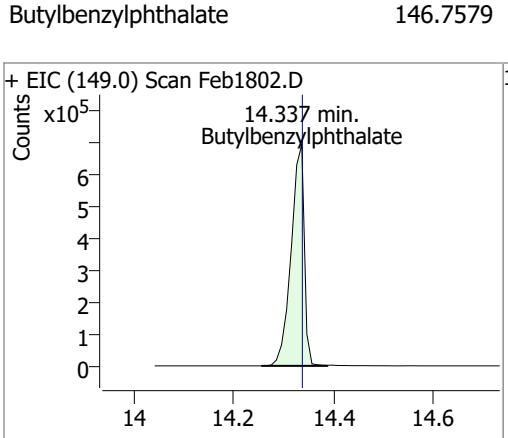
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	152.1715	12.89	0.01	2533921	122.0	13.3	10.1	18.7

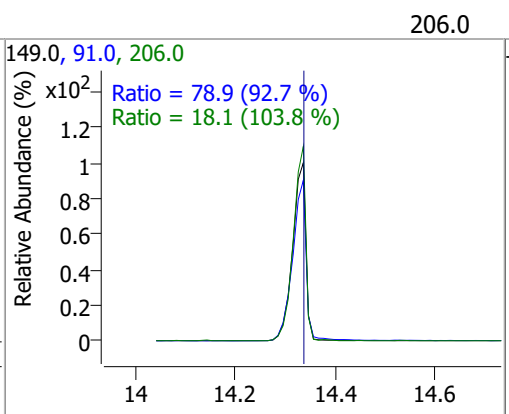


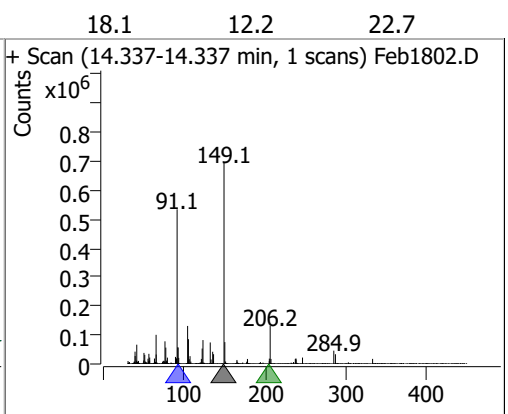




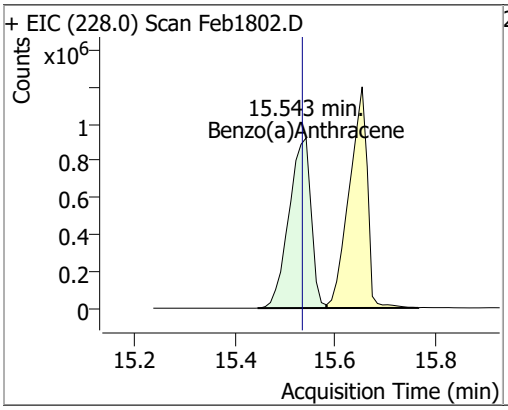
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	146.7579	14.34	0.02	1276176	91.0	78.9	59.6	110.6
					206.0	18.1	12.2	22.7

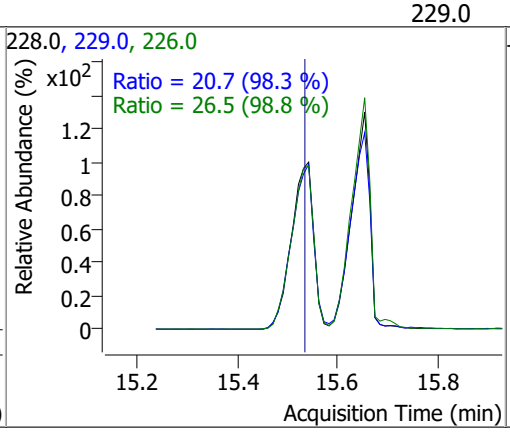


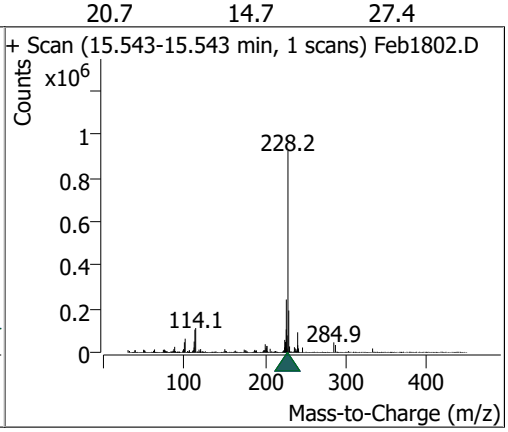




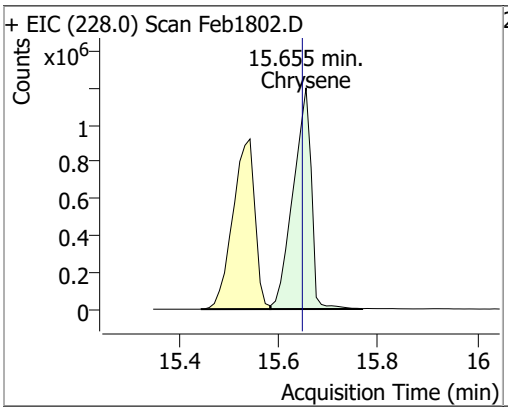
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	149.7505	15.54	0.03	2842112	226.0	26.5	18.8	34.9
					229.0	20.7	14.7	27.4

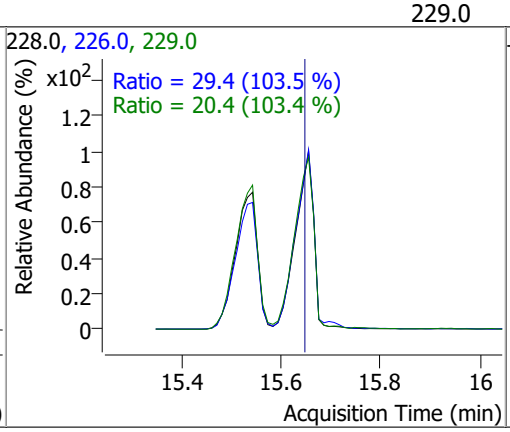


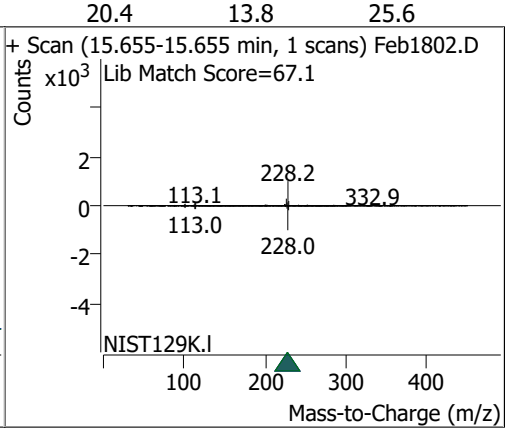




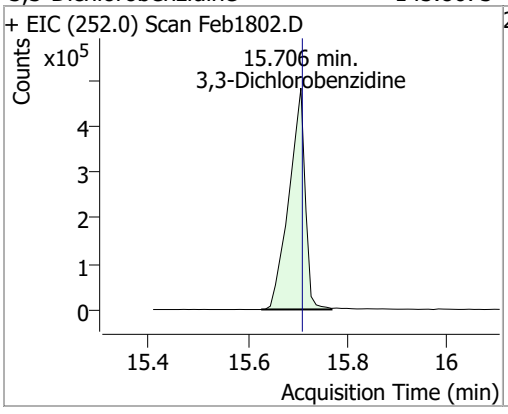
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	147.3118	15.66	0.03	3033845	226.0	29.4	19.9	36.9
					229.0	20.4	13.8	25.6

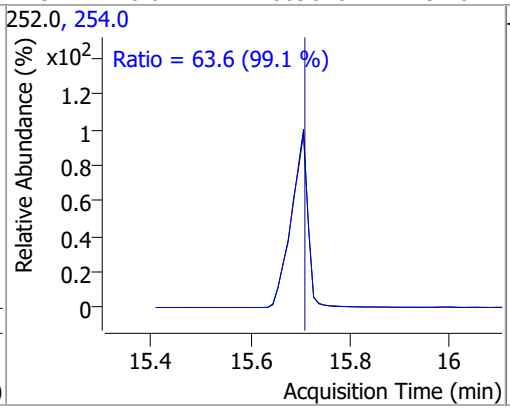


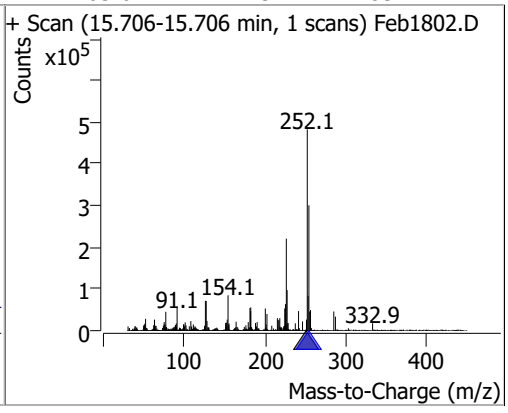




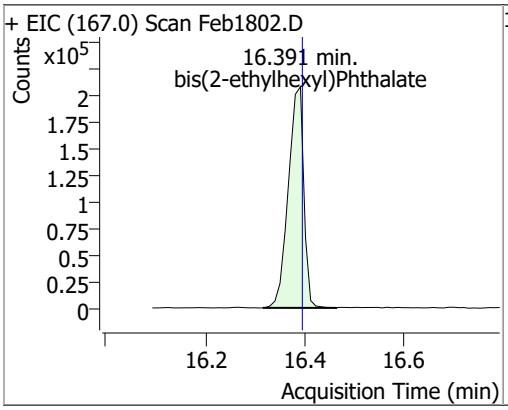
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	145.8673	15.71	0.02	1089020	254.0	63.6	44.9	83.4

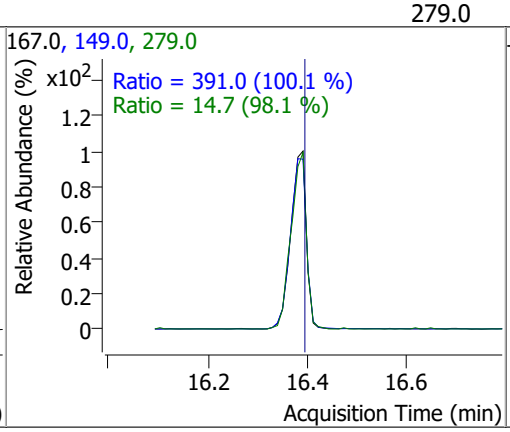


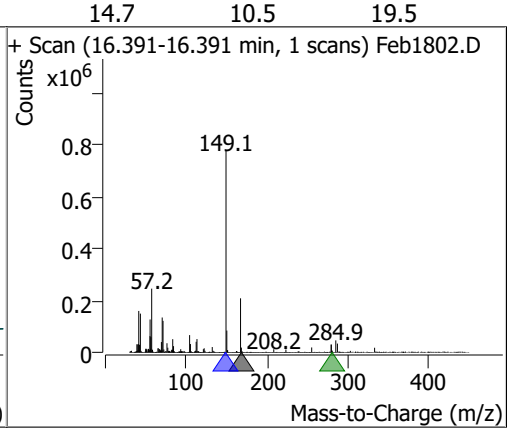




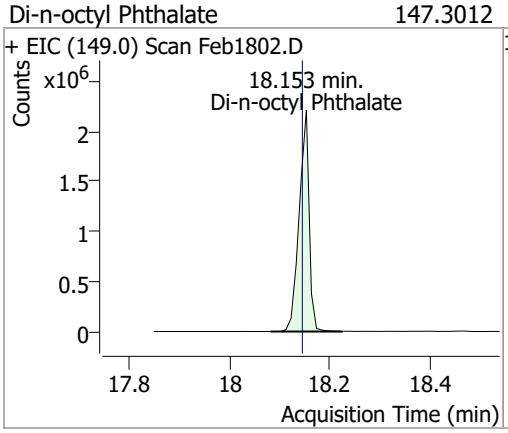
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	146.9804	16.39	0.02	446103	149.0	391.0	273.6	508.0
					279.0	14.7	10.5	19.5

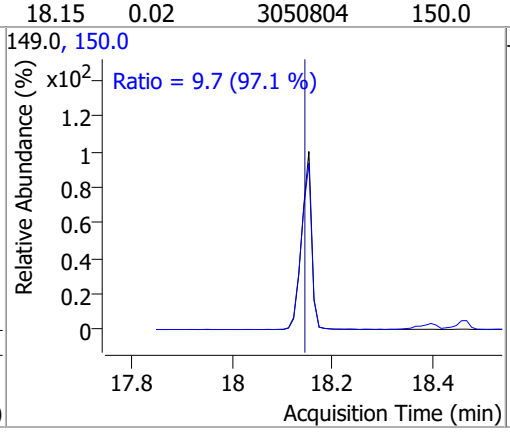


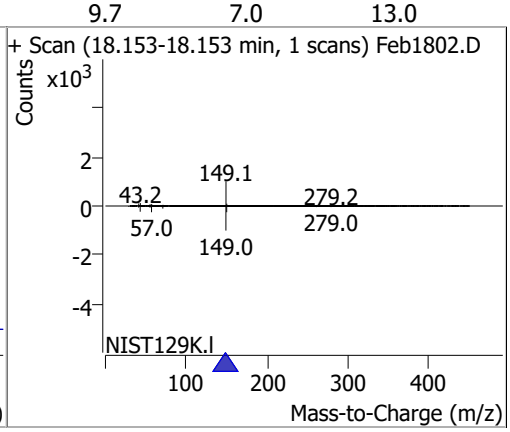




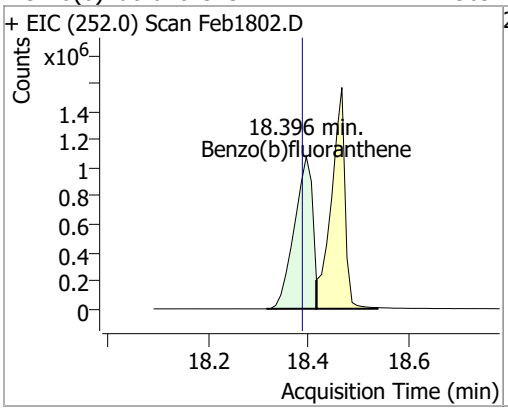
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	147.3012	18.15	0.02	3050804	150.0	9.7	7.0	13.0

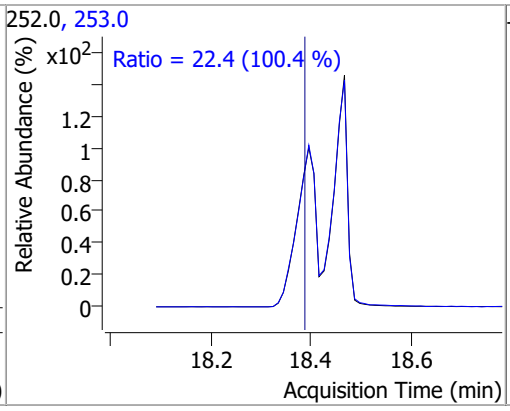


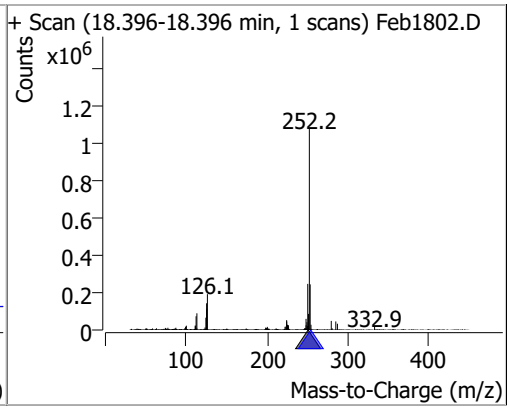




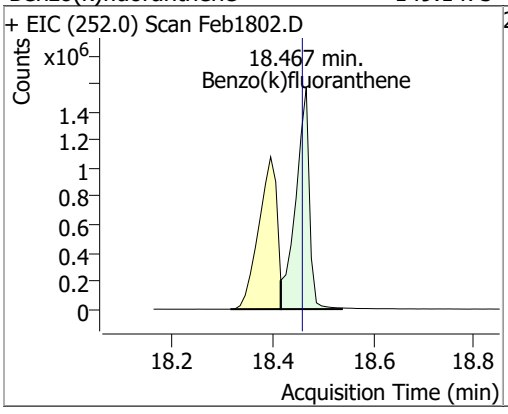
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	147.7569	18.40	0.02	2701361	253.0	22.4	15.6	29.0

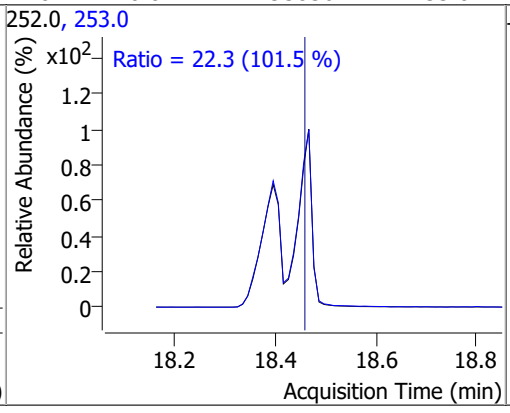


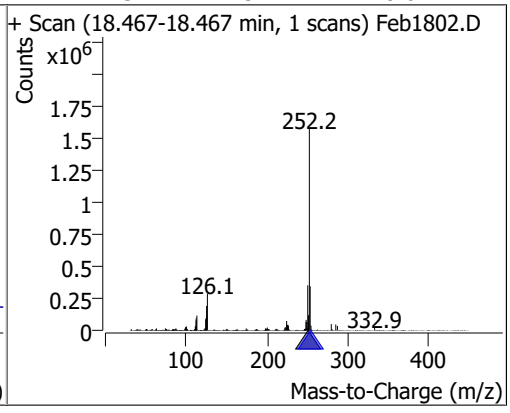




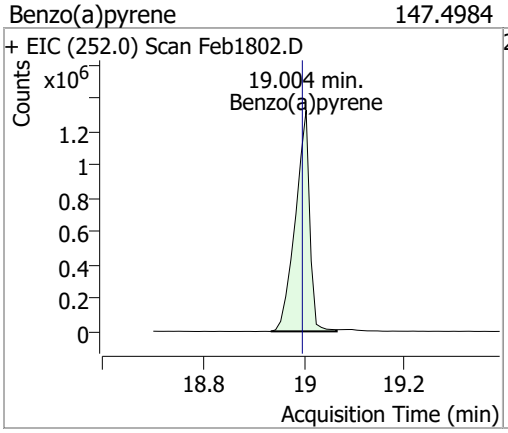
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	149.1473	18.47	0.02	2958362	253.0	22.3	15.4	28.6

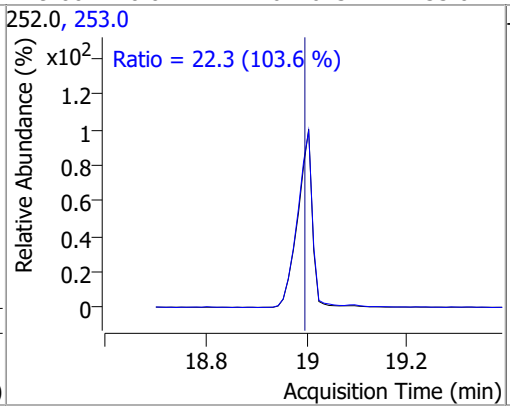


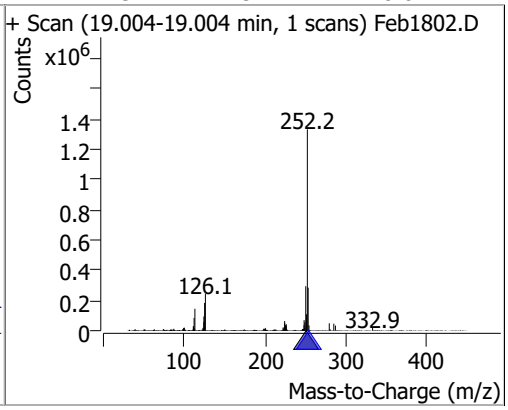




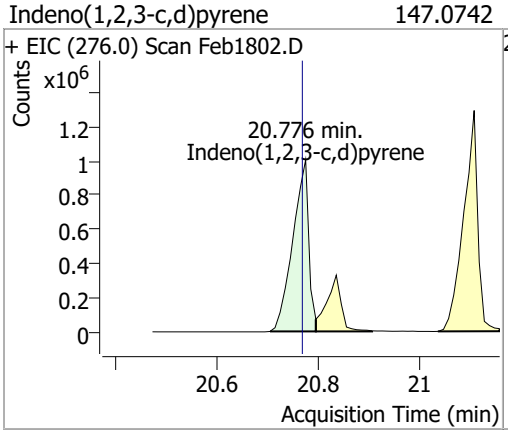
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	147.4984	19.00	0.02	2621643	253.0	22.3	15.1	28.0

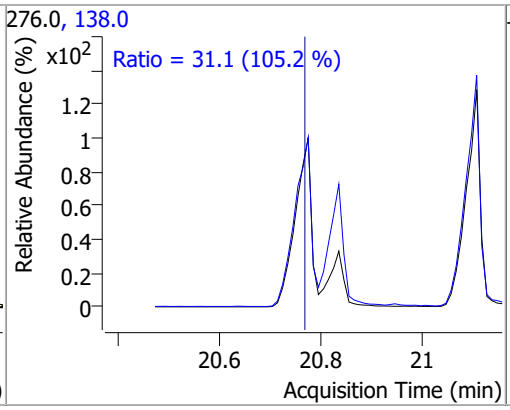


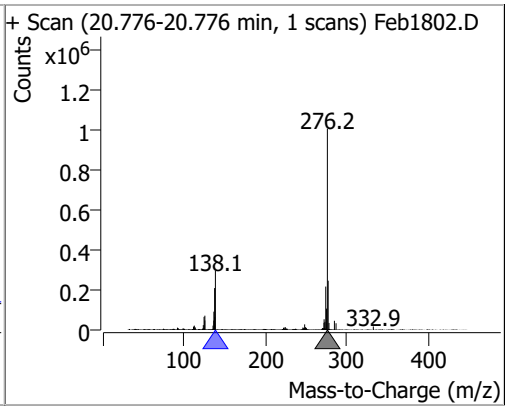




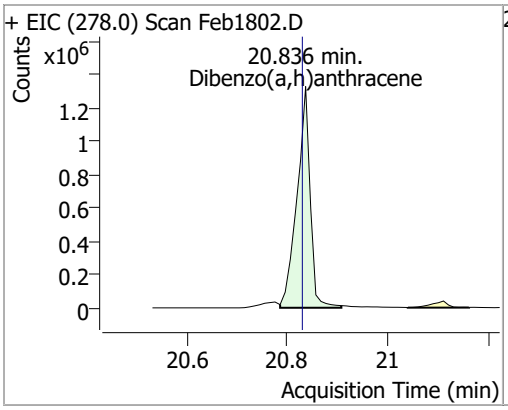
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	147.0742	20.78	0.02	2181733	138.0	31.1	20.7	38.5

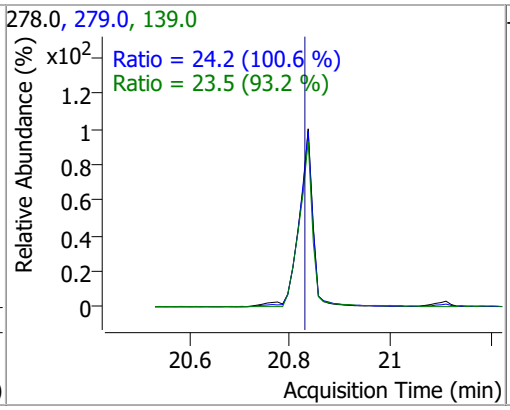


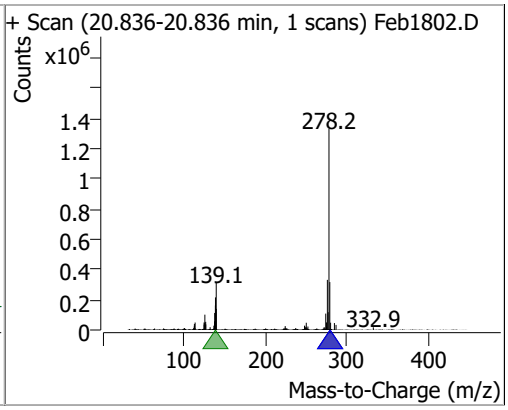




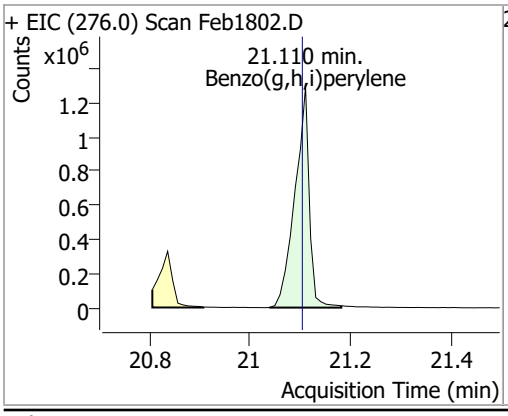
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	147.0838	20.84	0.02	2406140	139.0	23.5	17.6	32.7
					279.0	24.2	16.9	31.3

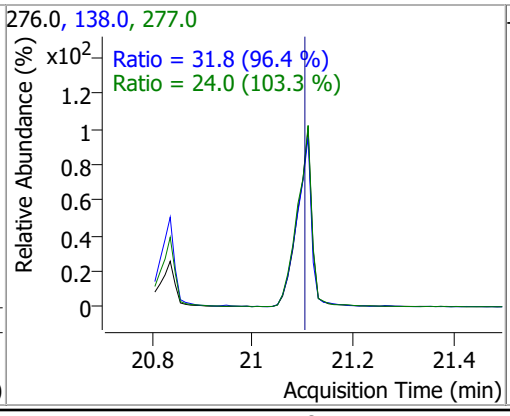


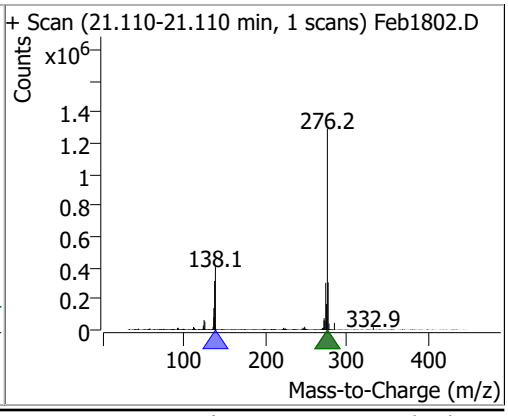




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	147.4139	21.11	0.02	2544345	138.0	31.8	23.1	42.9
					277.0	24.0	16.3	30.2

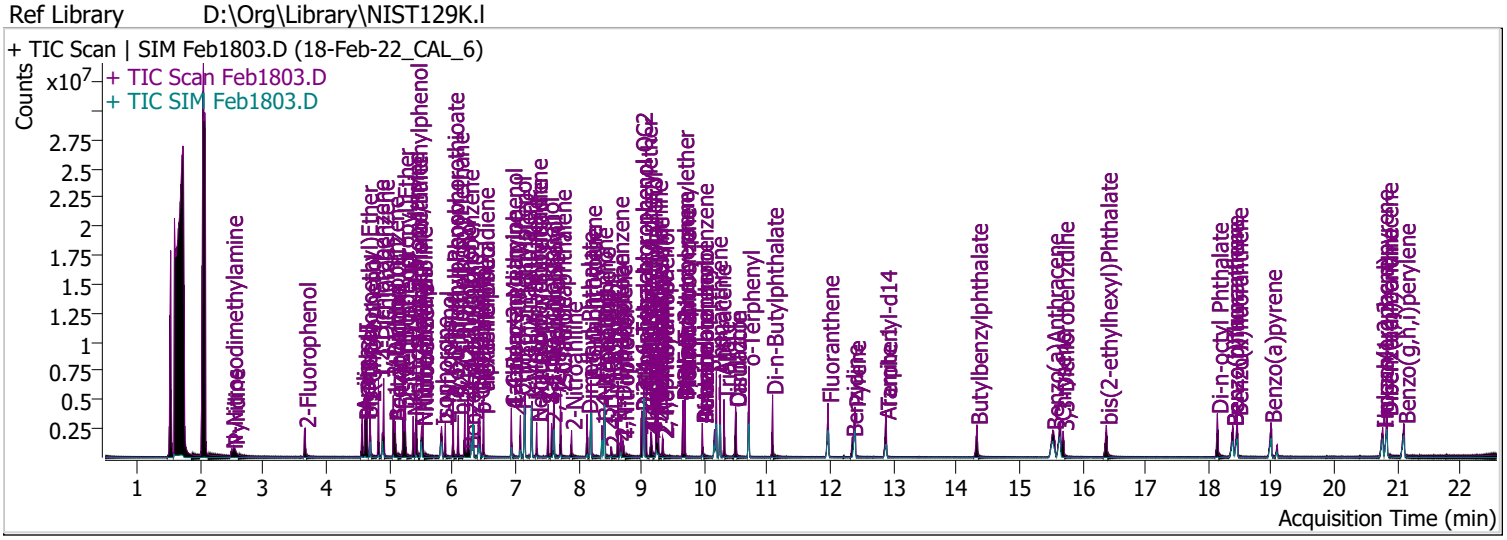






Quantitation Results Report (QT Reviewed)

Data File	Feb1803.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 8:53:27 AM
Sample Name	18-Feb-22_CAL_6	Instrument	Instrument #1
Vial	3	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



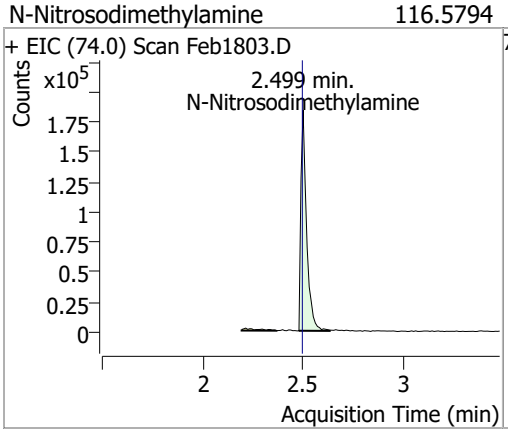
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.664	112.0	1058548	120.3426	µg/L		0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 60.17%			
S Phenol-d5	4.613	99.0	1344284	122.8556	µg/L	m	0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 61.43%			
S Nitrobenzene-d5	5.512	82.0	771682	123.2948	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 123.29%		*	
S 2-Fluorobiphenyl	7.615	172.0	2072877	120.3883	µg/L		0.010
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 120.39%		*	
S 2,4,6-Tribromophenol	9.346	329.8	187319	120.6291	µg/L		0.010
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 60.31%			
S Terphenyl-d14	12.885	244.3	2133936	120.3656	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 120.37%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.499	74.0	326647	116.5794	µg/L		99
T Pyridine	2.530	79.0	843707	123.7562	µg/L		97
T Aniline	4.572	93.0	1907332	123.9193	µg/L		99
T Phenol	4.634	94.0	1552024	125.9277	µg/L		100
T bis(-2-Chloroethyl)Ether	4.644	63.0	1004162	122.2311	µg/L		100
T 2-Chlorophenol	4.695	128.0	1172891	122.7016	µg/L		100
T 1,3-Dichlorobenzene	4.828	146.0	1478960	123.7704	µg/L		98
T 1,4-Dichlorobenzene	4.910	146.0	1440014	122.1307	µg/L		99
T 1,2-Dichlorobenzene	5.063	146.0	1412888	121.0749	µg/L		99
T Benzyl Alcohol	5.093	108.0	684389	125.2375	µg/L	m	97
T bis(2-chloroisopropyl)Ether	5.226	121.0	404464	126.7778	µg/L		100
T 2-Methylphenol	5.247	107.0	1056421	125.2574	µg/L		100
T N-nitroso-Di-n-propylamine	5.379	70.0	719807	117.7016	µg/L		97
T 4Methylphenol/3Methylphenol	5.430	107.0	1358832	119.7461	µg/L		100
T Hexachloroethane	5.430	117.0	475489	124.5829	µg/L		99

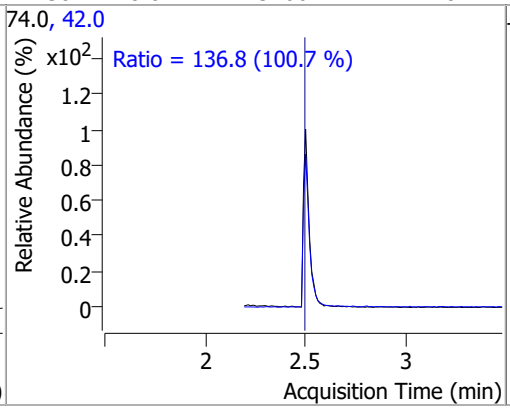
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.533	123.1	374243	125.1561	µg/L		98
T Isophorone	5.829	82.0	1823587	123.4859	µg/L		98
T 2-Nitrophenol	5.890	139.0	455325	126.5272	µg/L		98
T 2,4-Dimethylphenol	6.013	122.0	819537	124.2859	µg/L		97
T bis(-2-Chloroethoxy)Methane	6.095	93.0	1115448	127.3797	µg/L		95
T 2,4-Dichlorophenol	6.198	162.0	833232	126.8965	µg/L		96
T Benzoic Acid	6.270	105.0	519957	128.5980	µg/L		92
T 1,2,4-Trichlorobenzene	6.249	180.0	897123	119.8787	µg/L		100
T Naphthalene	6.331	128.0	2702791	123.6183	µg/L		99
T 4-Chlorophenol	6.414	130.0	301586	122.6373	µg/L		92
T p-Chloroaniline	6.434	127.0	1050839	119.2044	µg/L		94
T Hexachlorobutadiene	6.496	224.9	492013	120.4421	µg/L		98
T 4-Chloro-2-Methylphenol	6.937	107.0	740508	125.8060	µg/L		97
T 4-Chloro-3-Methylphenol	7.081	107.0	782006	124.1681	µg/L	m	97
T 2-Methylnaphthalene	7.153	141.0	1591431	119.2703	µg/L		99
T 1-Methylnaphthalene	7.266	141.0	1575011	122.4836	µg/L		99
T Hexachlorocyclopentadiene	7.338	236.9	295198	118.7229	µg/L		98
T 2,4,6-Trichlorophenol	7.523	196.0	545615	126.4941	µg/L	m	98
T 2,4,5-Trichlorophenol	7.574	196.0	587533	122.6454	µg/L	m	95
T 2-Chloronaphthalene	7.718	162.0	1673143	116.0457	µg/L		98
T 2-Nitroaniline	7.892	65.0	340794	129.8078	µg/L		100
T Dimethyl Phthalate	8.139	163.0	1795167	119.4214	µg/L		98
T 2,6-Dinitrotoluene	8.200	165.0	270214	134.5088	µg/L		90
T Acenaphthylene	8.200	152.1	2788358	121.4632	µg/L		100
T 3-Nitroaniline	8.405	138.0	309107	130.3972	µg/L		96
T Acenaphthene	8.415	154.0	1503475	117.1551	µg/L		99
T 2,4-Dinitrophenol	8.527	184.0	138026	121.6307	µg/L		99
T Dibenzofuran	8.630	168.0	2443689	118.4946	µg/L		97
T 2,4-Dinitrotoluene	8.681	165.0	328858	122.8060	µg/L		100
T 4-Nitrophenol	8.712	109.0	326746	126.2944	µg/L		99
T Diethylphthalate	9.008	149.0	1980149	125.7671	µg/L		99
T Fluorene	9.039	166.0	1952030	114.4523	µg/L		100
T 4-Chlorophenyl-phenylether	9.080	204.0	1017662	127.4811	µg/L		96
T 4-Nitroaniline	9.152	138.0	291518	114.2027	µg/L		99
T 4,6-Dinitro-2-methylphenol	9.162	198.0	200519	121.1232	µg/L		100
T N-nitrosodiphenylamine	9.244	169.0	1414366	120.7344	µg/L		99
T Azobenzene	9.264	77.0	1932785	120.2669	µg/L		99
T 4-Bromophenyl-phenylether	9.663	248.0	589591	126.1586	µg/L		99
T Hexachlorobenzene	9.694	283.9	550809	123.9440	µg/L		97
T Pentachlorophenol	9.968	265.9	272170	118.9229	µg/L		93
T Phenanthrene	10.191	178.0	2792268	119.6259	µg/L		99
T Anthracene	10.252	178.0	2712966	119.3027	µg/L	m	99
T Triallate	10.313	86.0	696512	120.4325	µg/L		99
T Carbazole	10.495	167.0	2794889	120.4732	µg/L		98
T o-Terphenyl	10.708	230.0	1579903	125.0935	µg/L		99
T Di-n-Butylphthalate	11.082	149.0	2864235	121.0143	µg/L		100
T Fluoranthene	11.964	202.0	2925734	120.7096	µg/L		99
T Benzidine	12.349	184.0	925246	114.7160	µg/L		99
T Pyrene	12.389	202.0	3111401	118.6872	µg/L		99
T Butylbenzylphthalate	14.326	149.0	1038779	123.2154	µg/L		94
T Benzo(a)Anthracene	15.532	228.0	2429458	123.9899	µg/L		99
T Chrysene	15.645	228.0	2630114	122.2787	µg/L		98
T 3,3-Dichlorobenzidine	15.696	252.0	921207	123.4767	µg/L		100
T bis(2-ethylhexyl)Phthalate	16.381	167.0	364319	124.1299	µg/L		98
T Di-n-octyl Phthalate	18.143	149.0	2494942	121.1100	µg/L		99

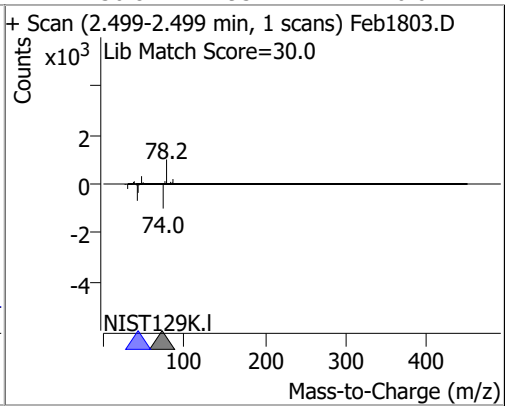
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.386	252.0	2384843	120.7133	µg/L	100
T Benzo(k)fluoranthene	18.457	252.0	2491030	117.5947	µg/L	100
T Benzo(a)pyrene	18.993	252.0	2323286	122.2376	µg/L	98
T Indeno(1,2,3-c,d)pyrene	20.765	276.0	1895312	119.1149	µg/L	100
T Dibenzo(a,h)anthracene	20.836	278.0	2141448	122.7774	µg/L	98
T Benzo(g,h,i)perylene	21.110	276.0	2227367	120.9102	µg/L	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

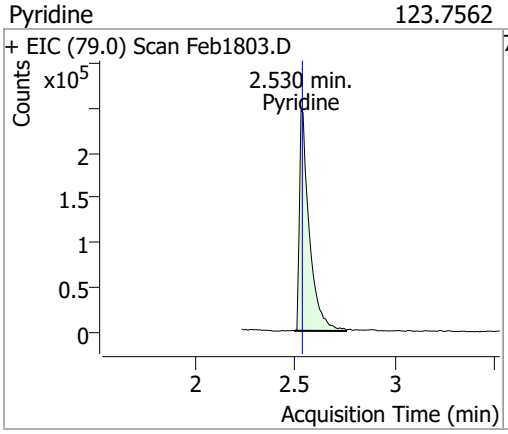
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	116.5794	2.50	0.01	326647	42.0	136.8	95.1	176.6

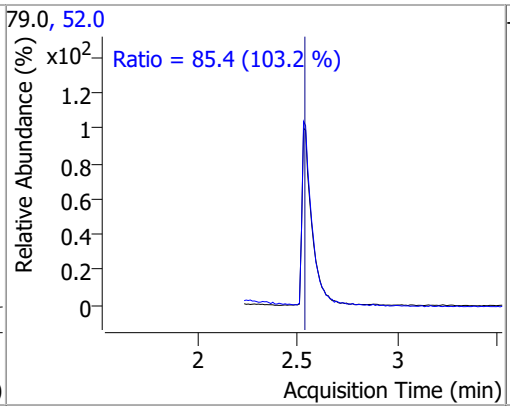


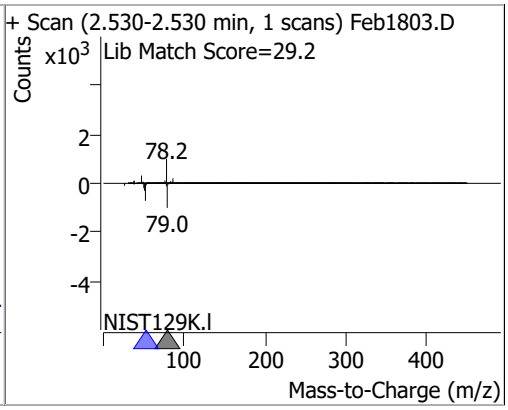




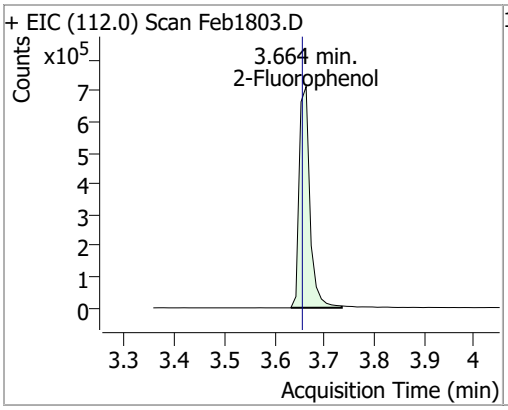
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	123.7562	2.53	0.00	843707	52.0	85.4	57.9	107.6

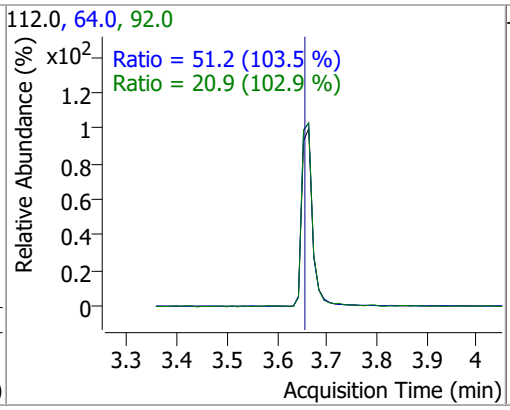


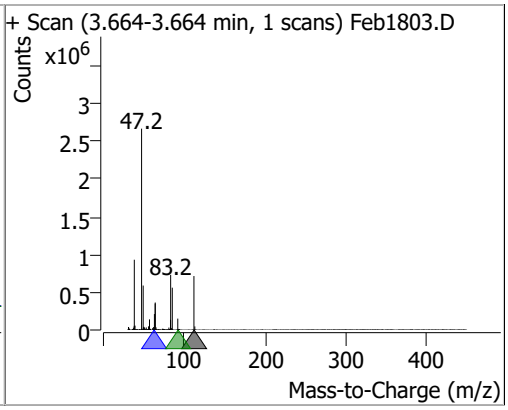




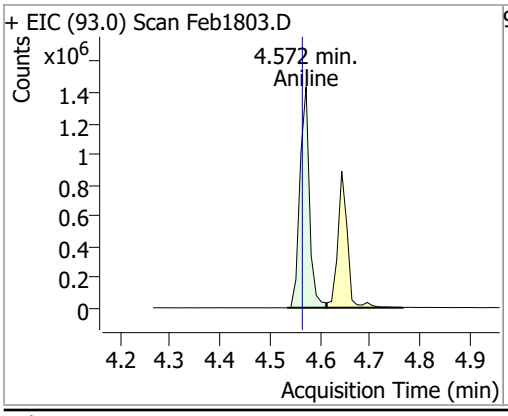
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	120.3426	3.66	0.01	1058548	64.0	51.2	34.6	64.3
					92.0	20.9	14.2	26.5

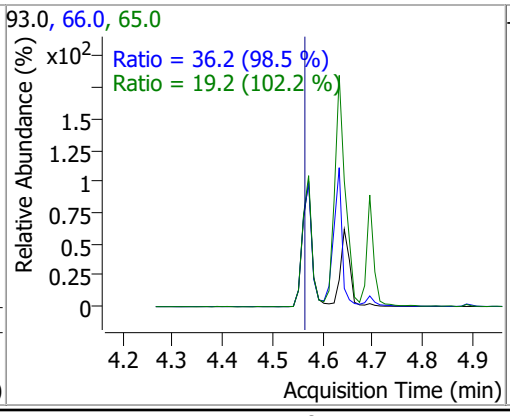


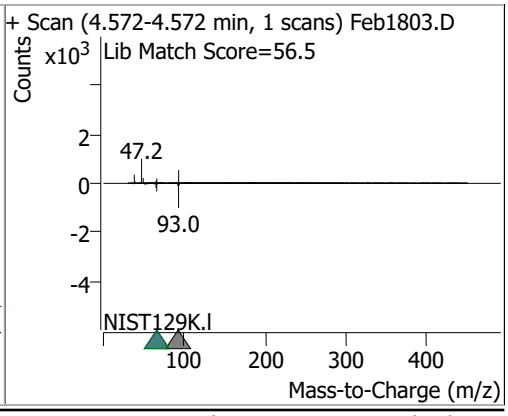




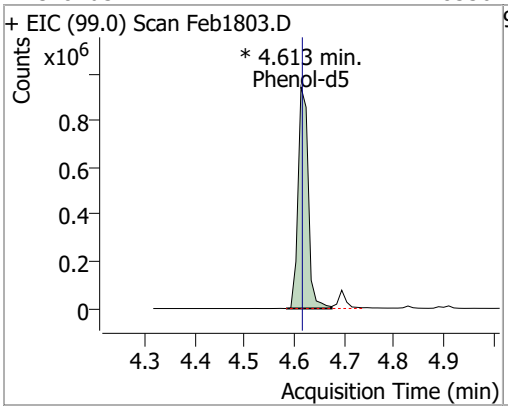
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	123.9193	4.57	0.01	1907332	66.0	36.2	25.7	47.8
					65.0	19.2	13.1	24.4

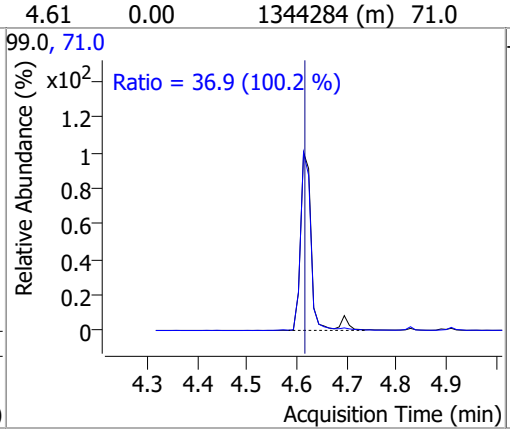


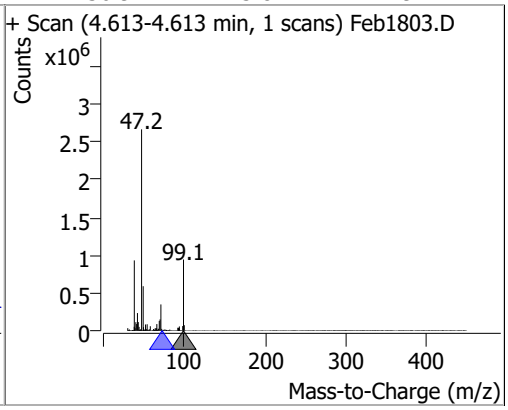




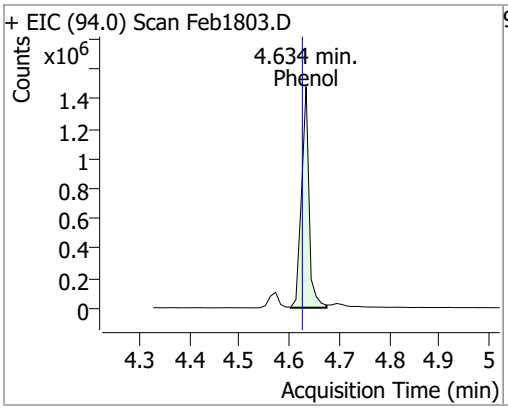
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	122.8556	4.61	0.00	1344284 (m)	71.0	36.9	25.8	47.9

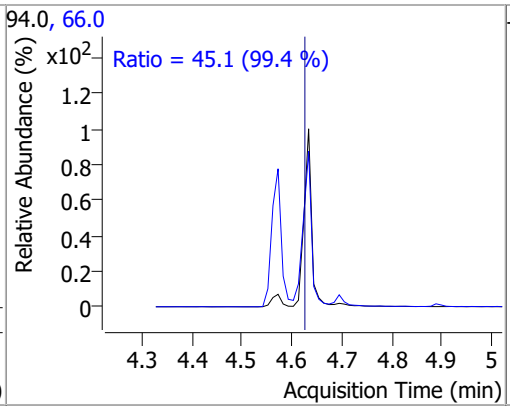


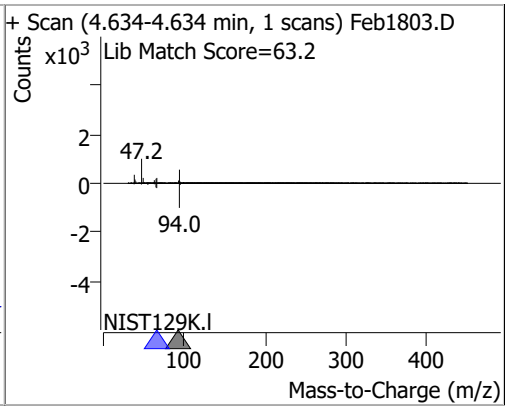




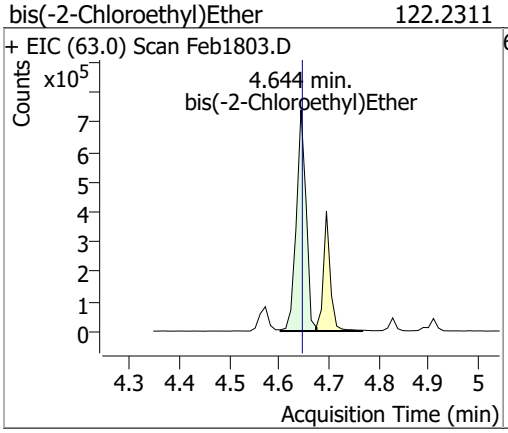
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	125.9277	4.63	0.01	1552024	66.0	45.1	31.7	58.9

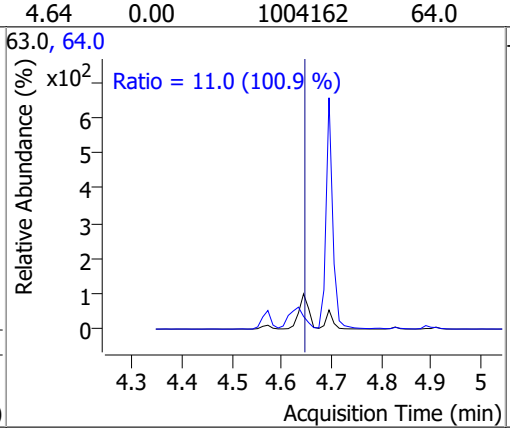


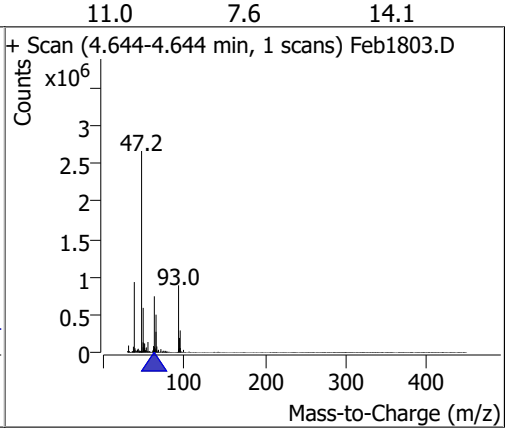




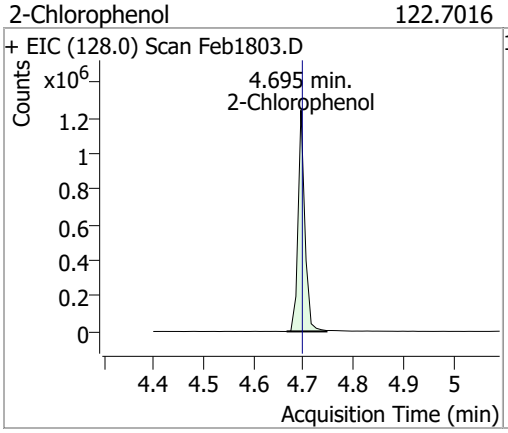
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	122.2311	4.64	0.00	1004162	64.0	11.0	7.6	14.1

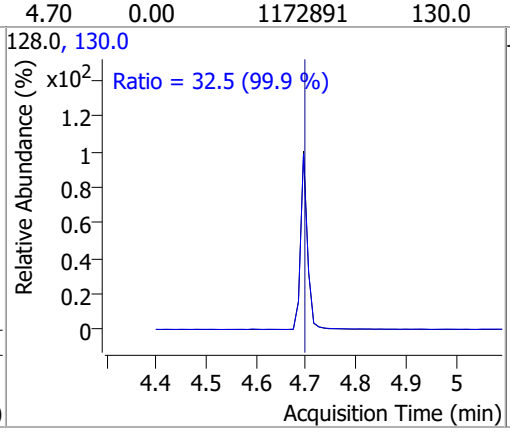


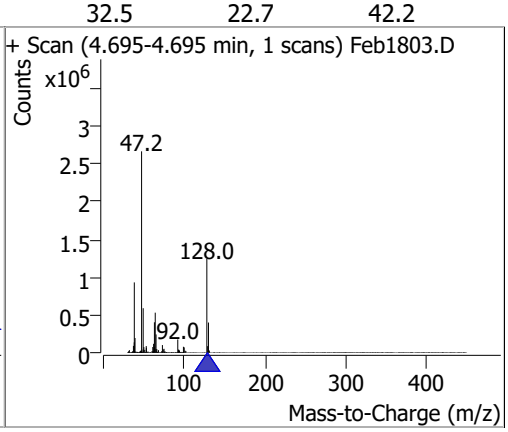




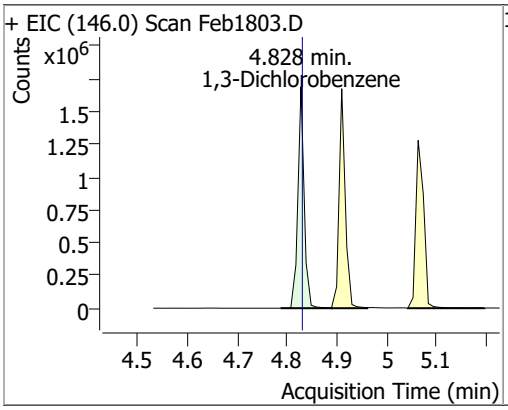
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	122.7016	4.70	0.00	1172891	130.0	32.5	22.7	42.2

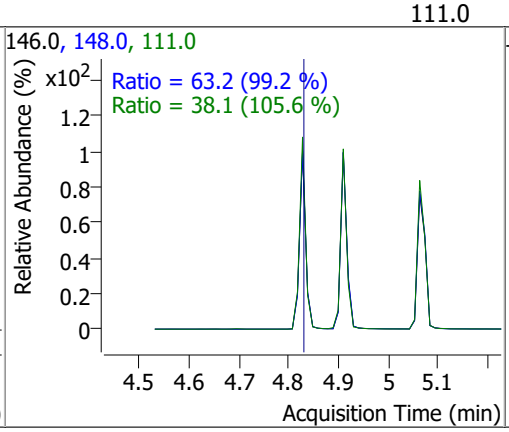


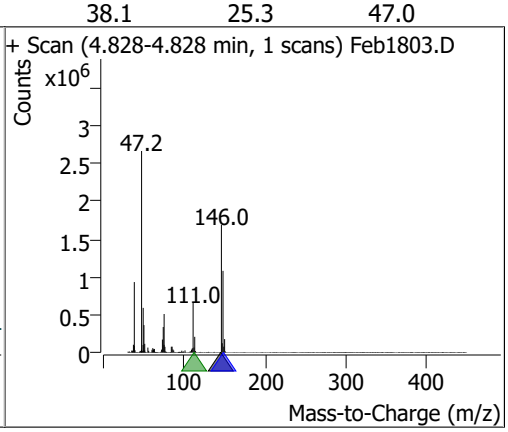




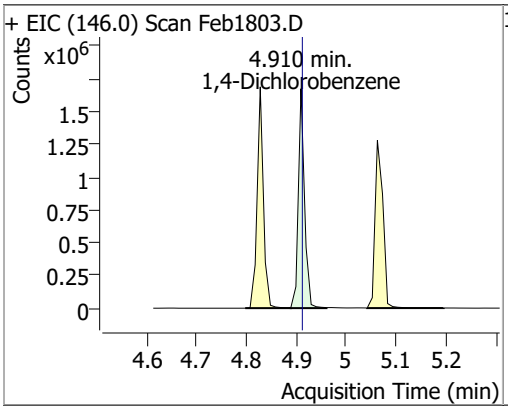
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	123.7704	4.83	0.00	1478960	148.0	63.2	44.6	82.8
					111.0	38.1	25.3	47.0

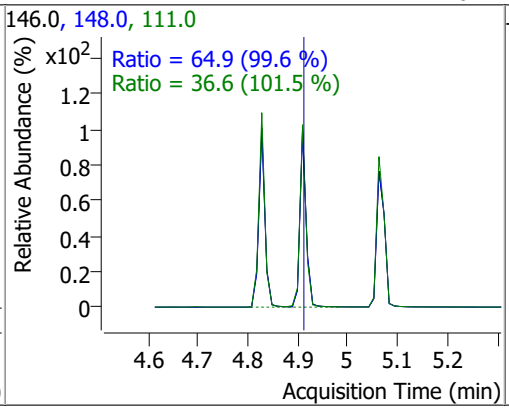


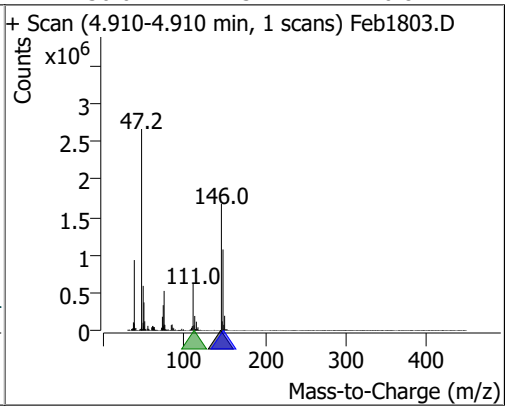




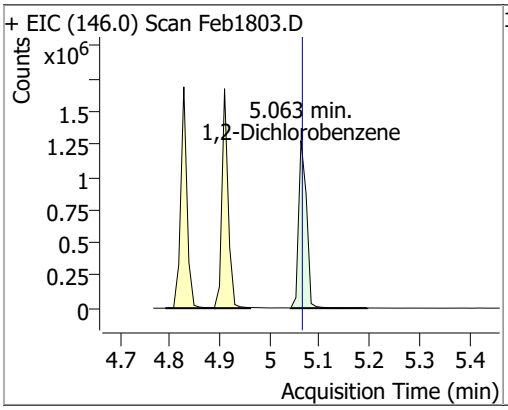
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	122.1307	4.91	0.00	1440014	148.0	64.9	45.6	84.8
					111.0	36.6	25.2	46.8

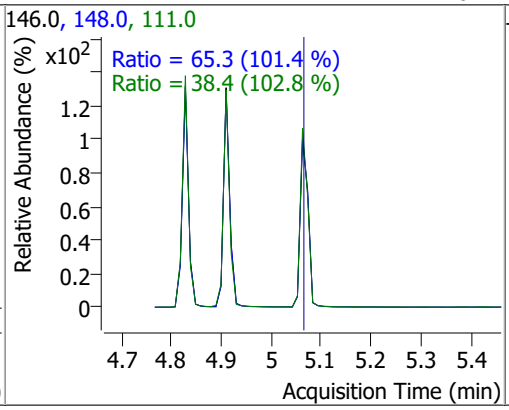


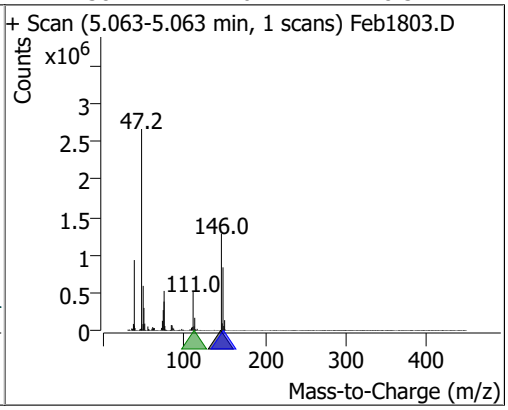




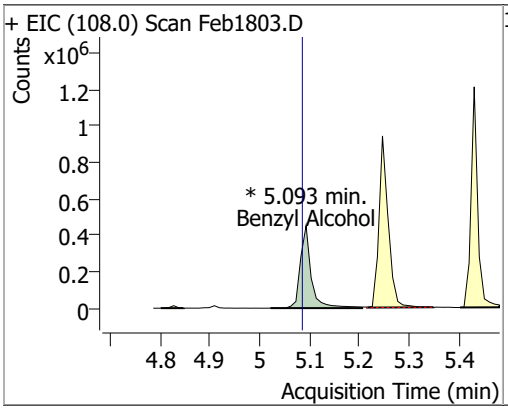
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	121.0749	5.06	0.00	1412888	148.0	65.3	45.1	83.8
					111.0	38.4	26.1	48.5

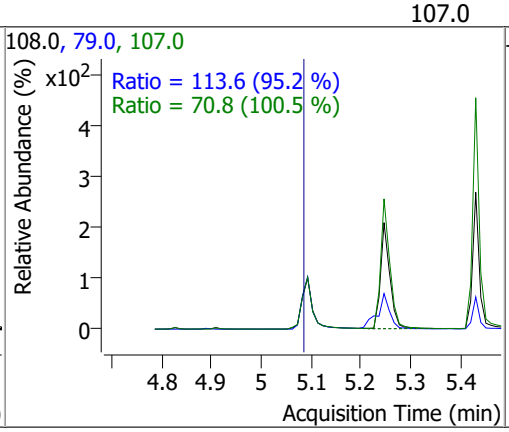


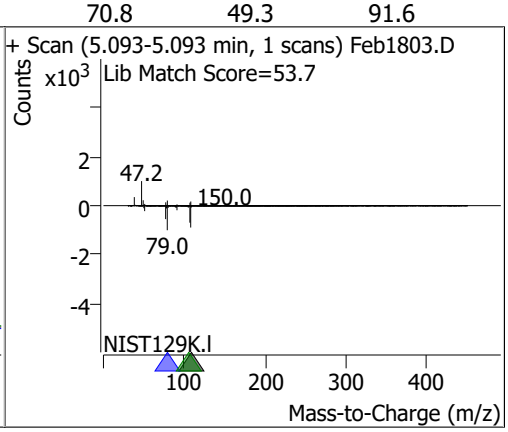




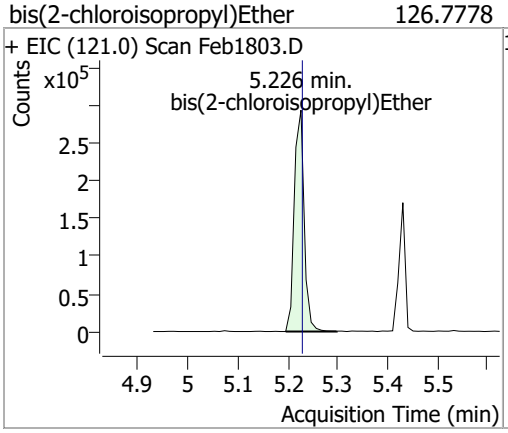
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	125.2375	5.09	0.01	684389 (m)	79.0	113.6	83.5	155.1
					107.0	70.8	49.3	91.6

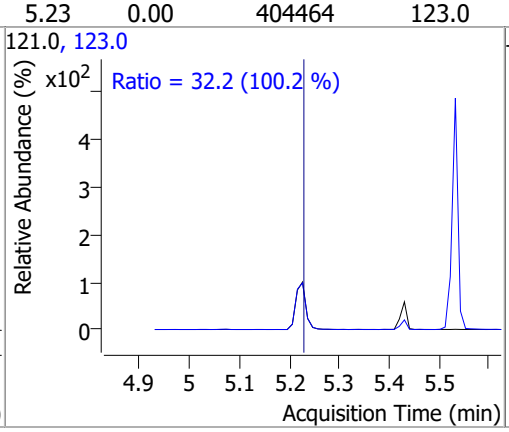


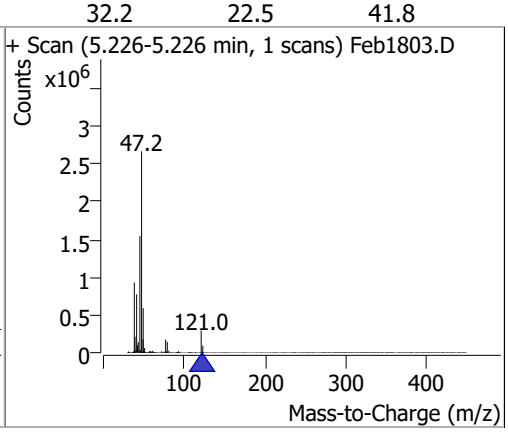




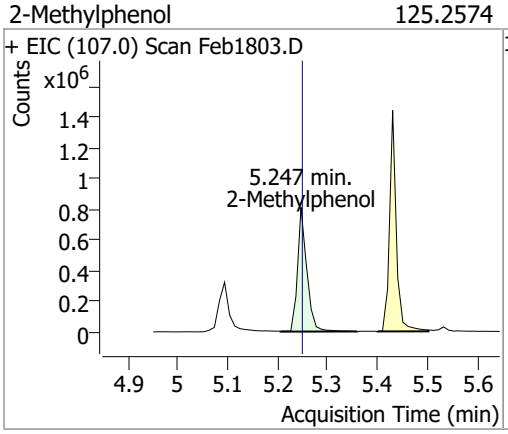
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	126.7778	5.23	0.00	404464	123.0	32.2	22.5	41.8

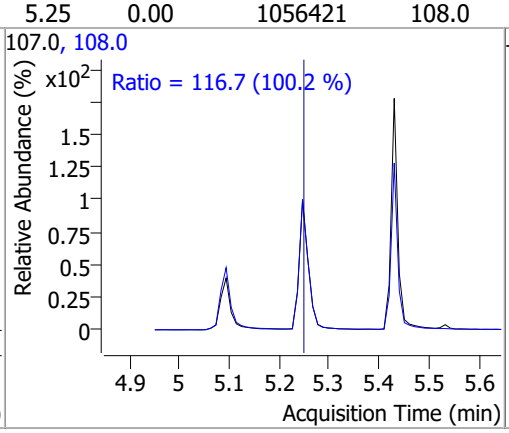


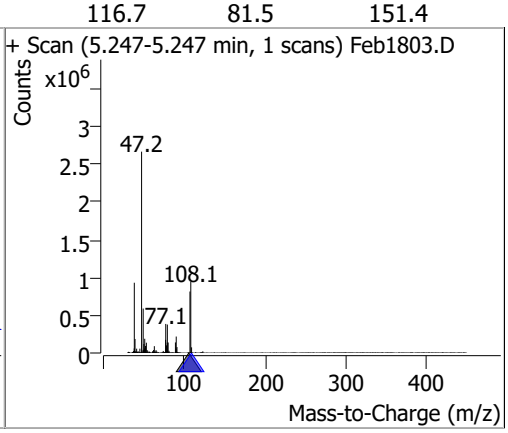




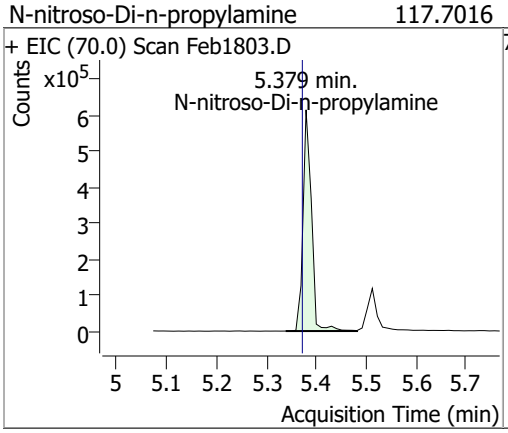
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	125.2574	5.25	0.00	1056421	108.0	116.7	81.5	151.4

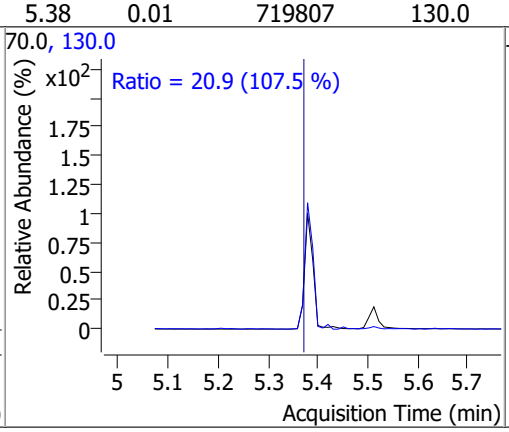


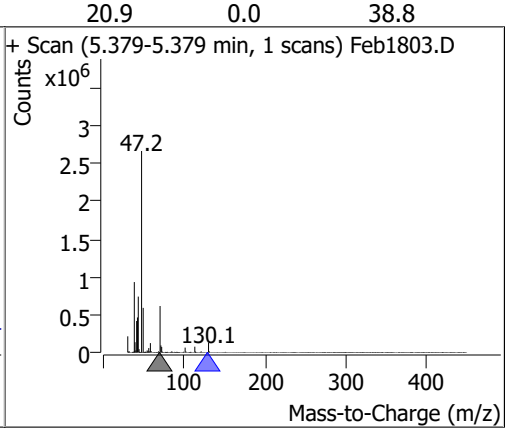




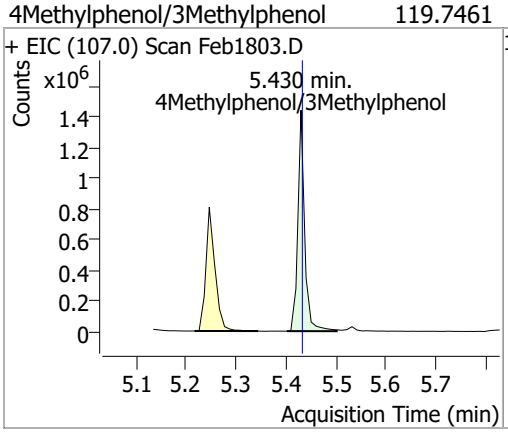
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	117.7016	5.38	0.01	719807	130.0	20.9	0.0	38.8

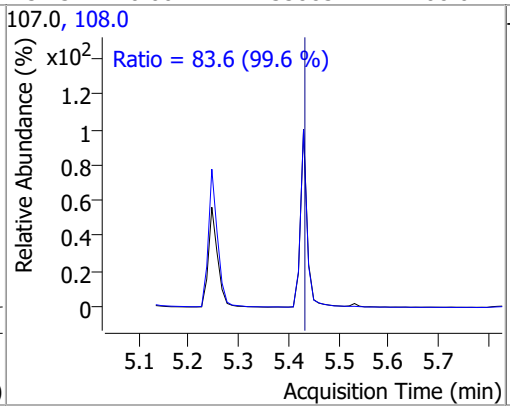


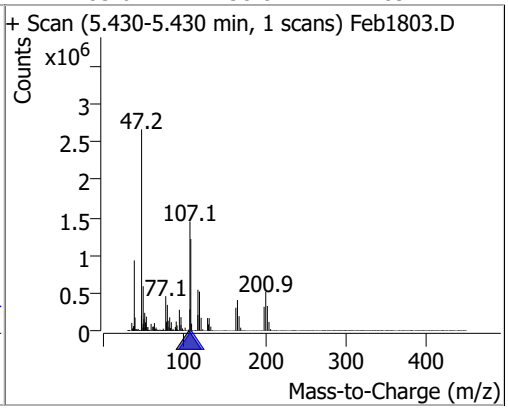




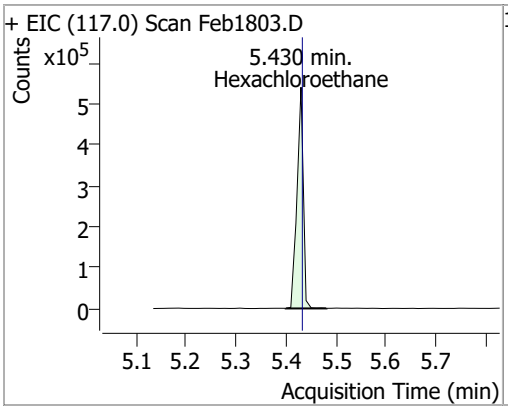
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	119.7461	5.43	0.00	1358832	108.0	83.6	58.8	109.1

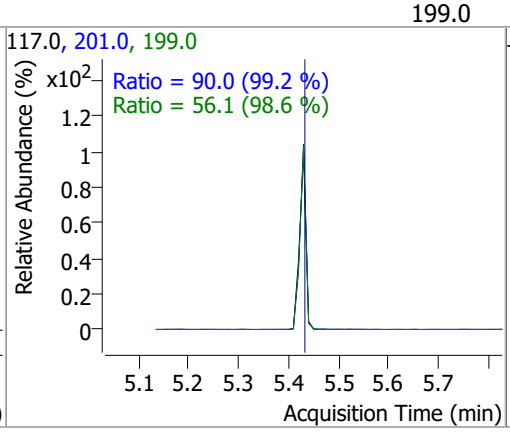


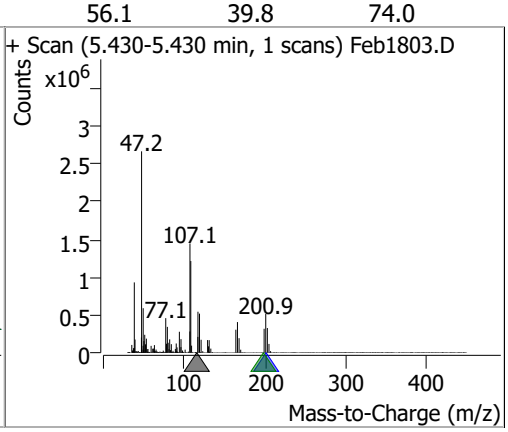




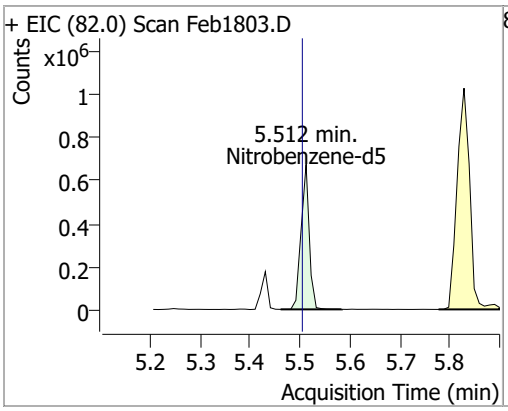
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	124.5829	5.43	0.00	475489	201.0	90.0	63.5	118.0
					199.0	56.1	39.8	74.0

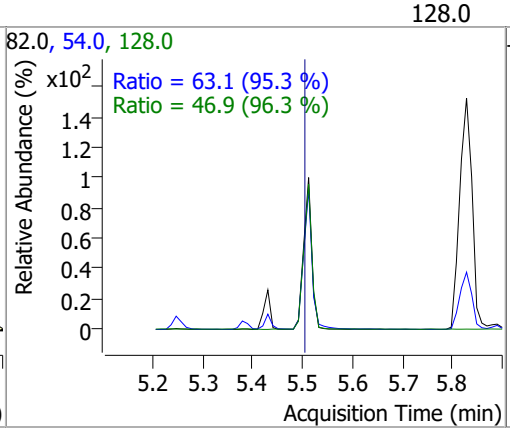


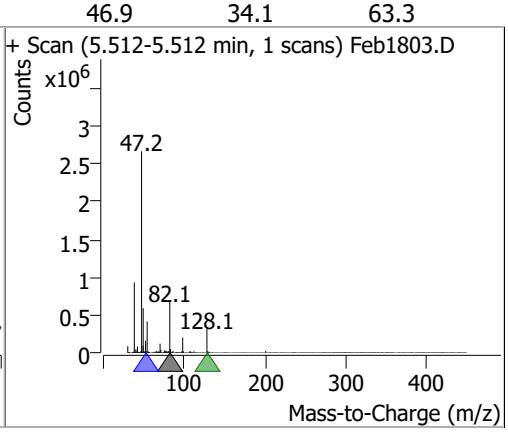




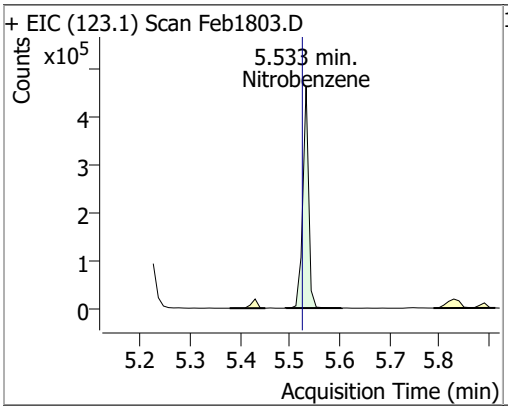
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	123.2948	5.51	0.01	771682	54.0	63.1	46.3	86.0
					128.0	46.9	34.1	63.3

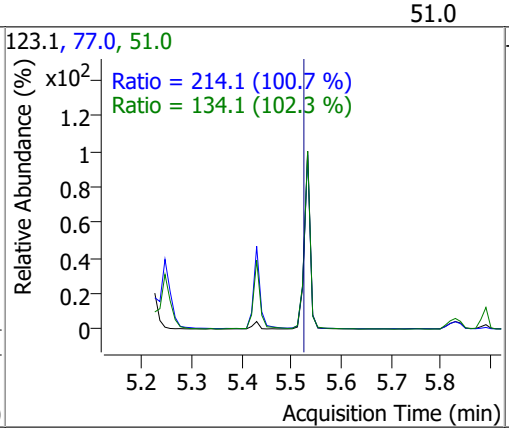


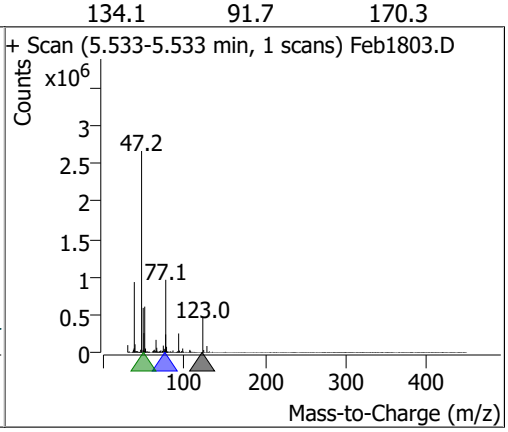




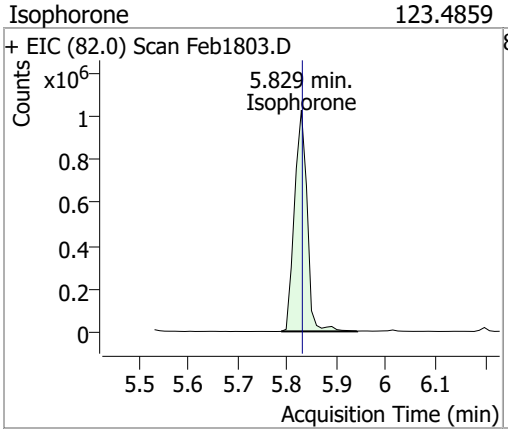
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	125.1561	5.53	0.01	374243	77.0	214.1	148.9	276.5
					51.0	134.1	91.7	170.3

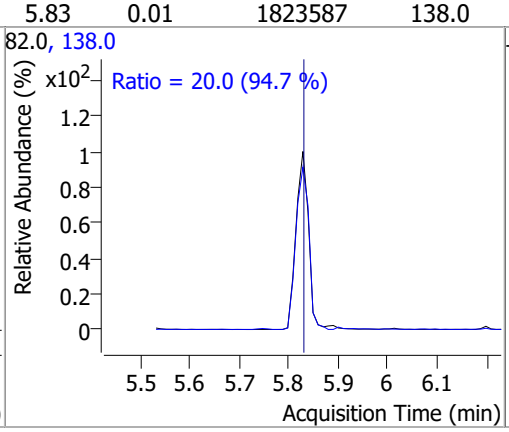


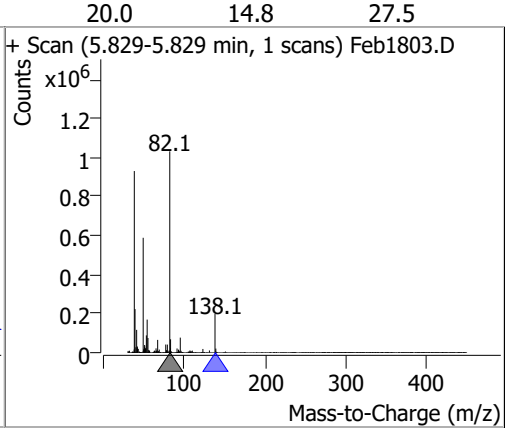




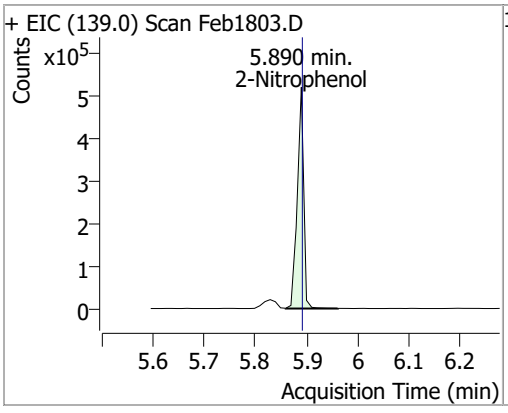
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	123.4859	5.83	0.01	1823587	138.0	20.0	14.8	27.5

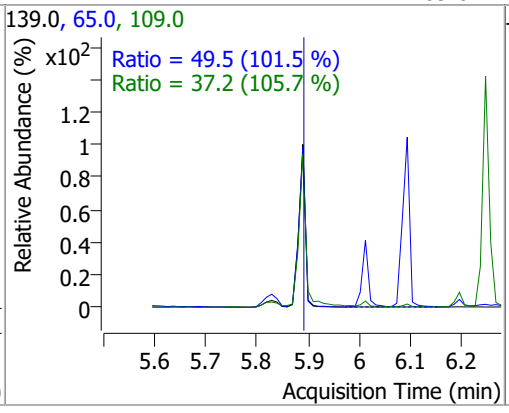


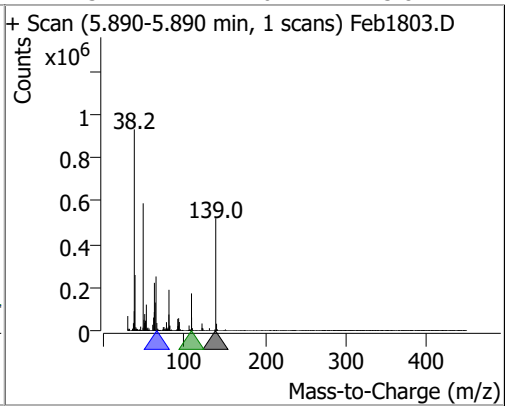




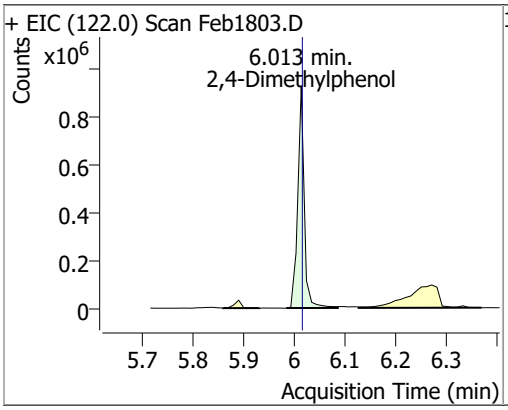
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	126.5272	5.89	0.01	455325	65.0	49.5	34.2	63.4
					109.0	37.2	24.6	45.8

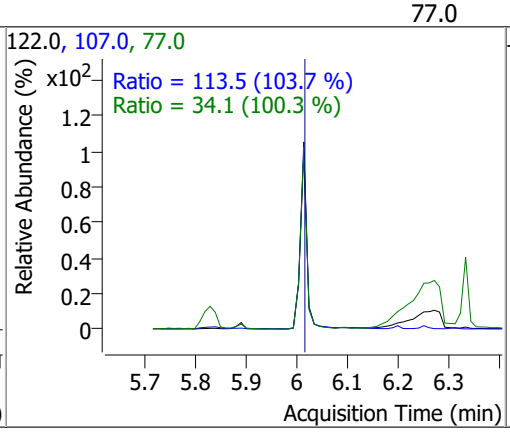


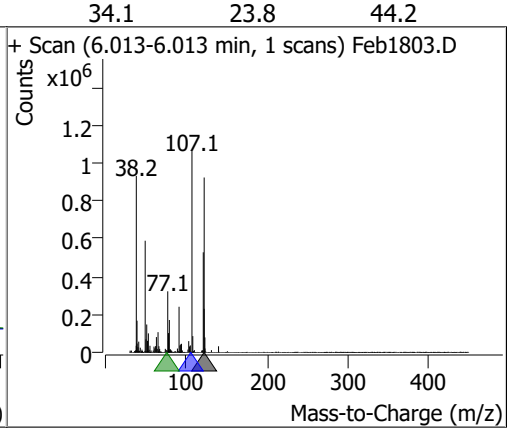




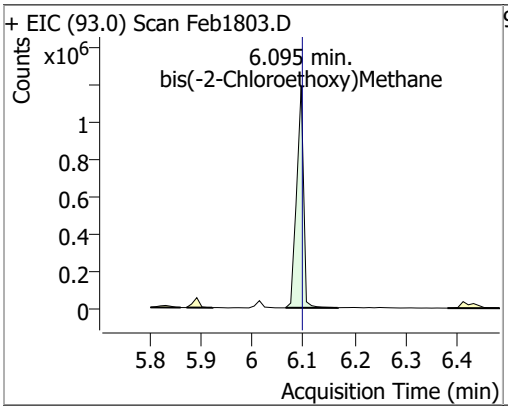
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	124.2859	6.01	0.01	819537	107.0	113.5	76.6	142.3
					77.0	34.1	23.8	44.2

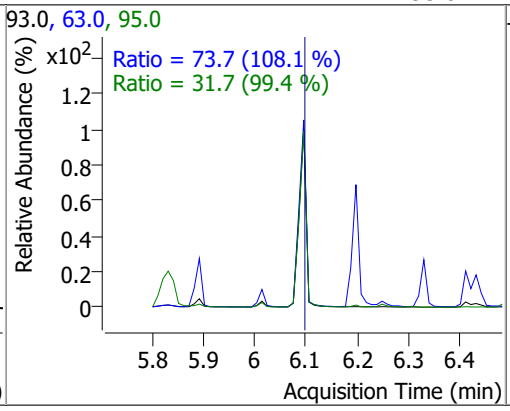


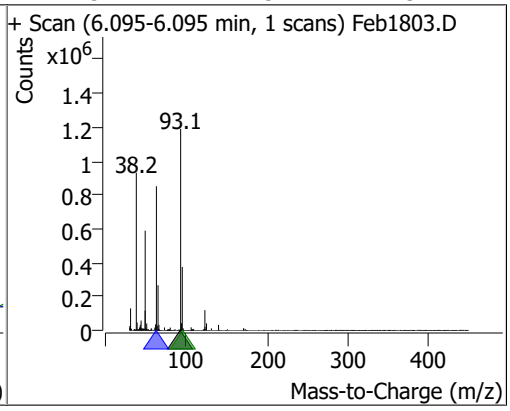




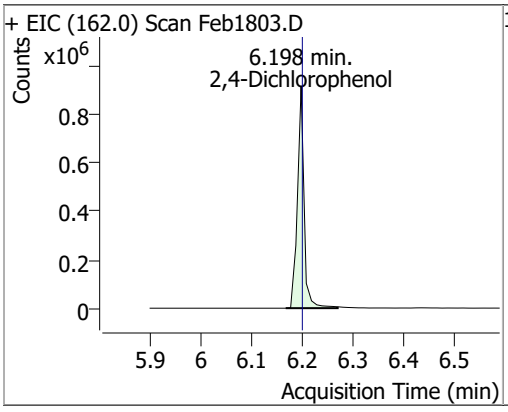
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	127.3797	6.10	0.01	1115448	63.0	73.7	47.7	88.6
					95.0	31.7	22.3	41.5

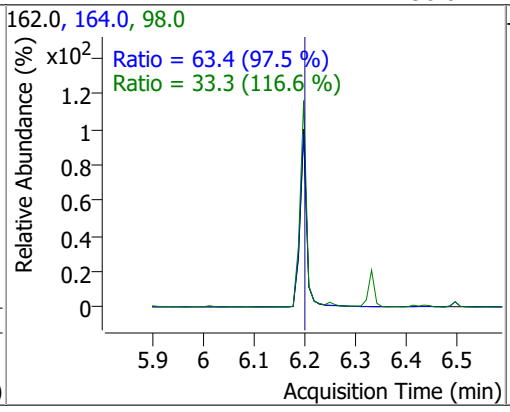


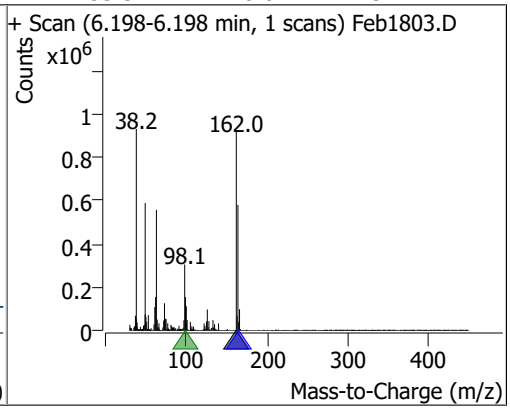




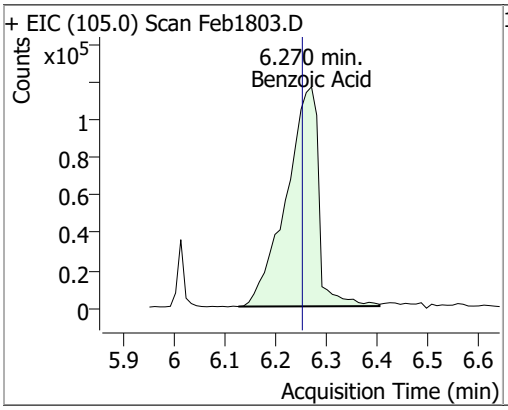
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	126.8965	6.20	0.01	833232	164.0	63.4	45.5	84.5
					98.0	33.3	20.0	37.1

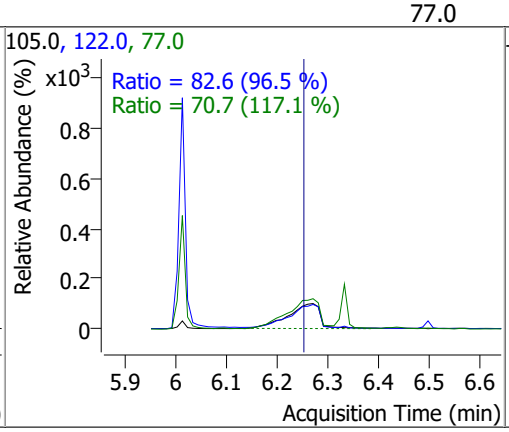


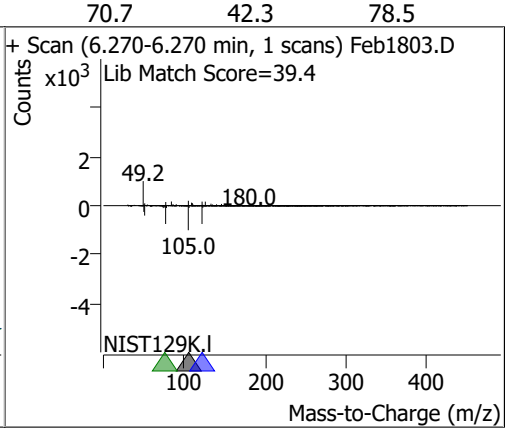




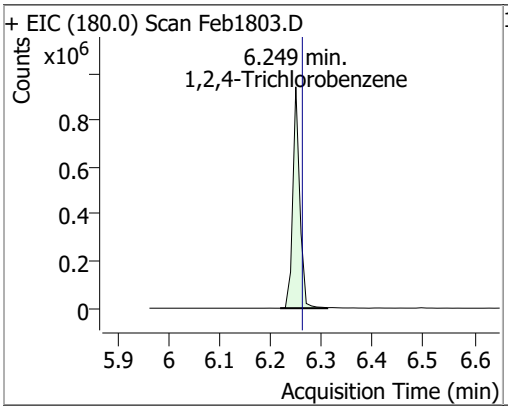
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	128.5980	6.27	0.03	519957	122.0	82.6	59.9	111.2
					77.0	70.7	42.3	78.5

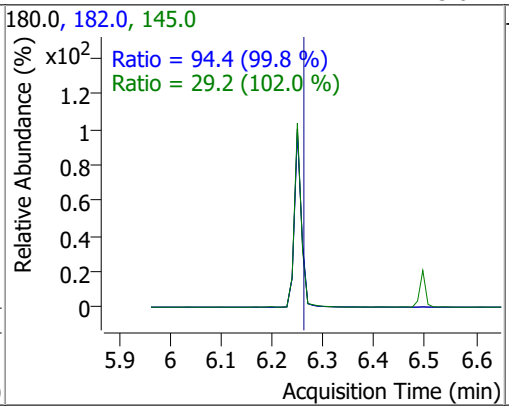


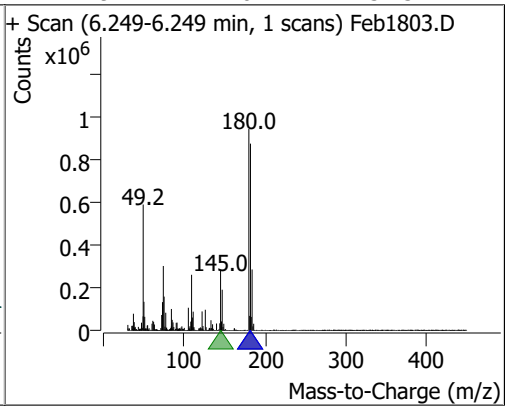




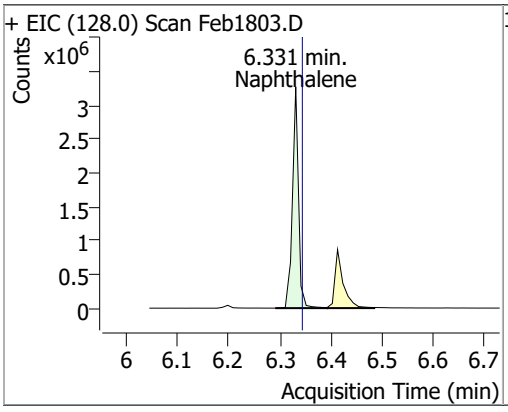
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	119.8787	6.25	0.00	897123	182.0	94.4	66.2	122.9
					145.0	29.2	20.1	37.3

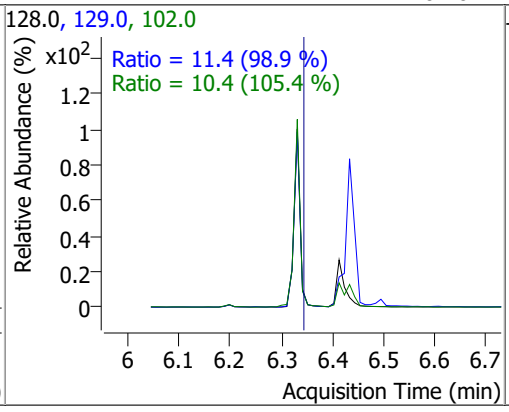


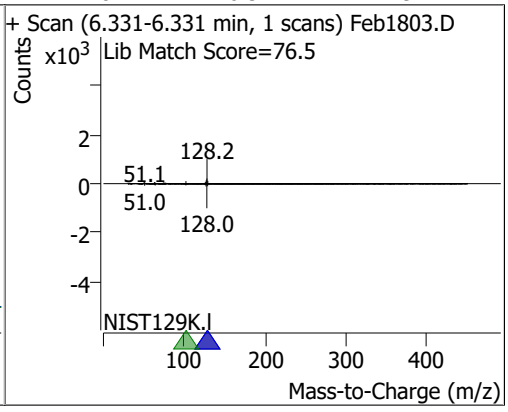




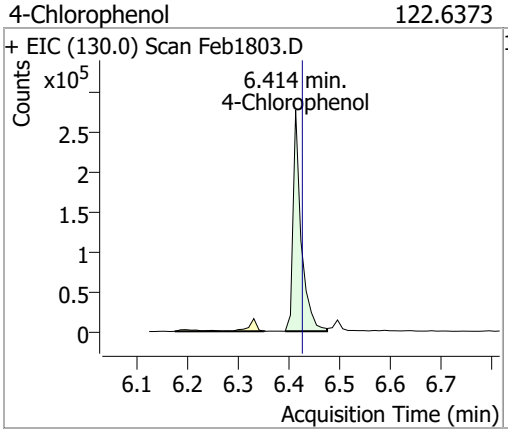
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	123.6183	6.33	0.00	2702791	129.0	11.4	8.0	14.9
					102.0	10.4	6.9	12.9

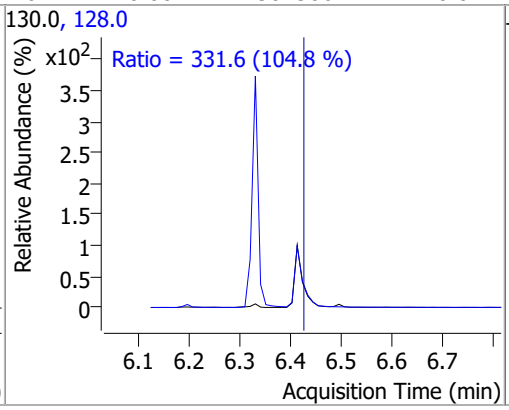


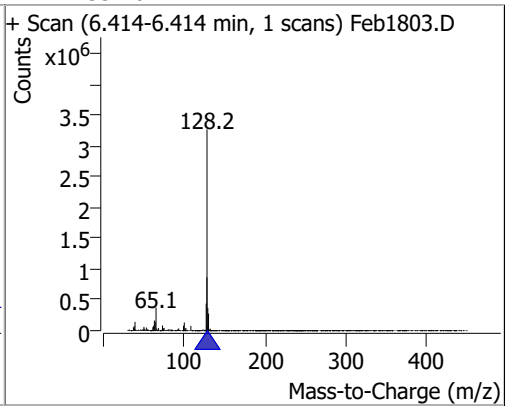




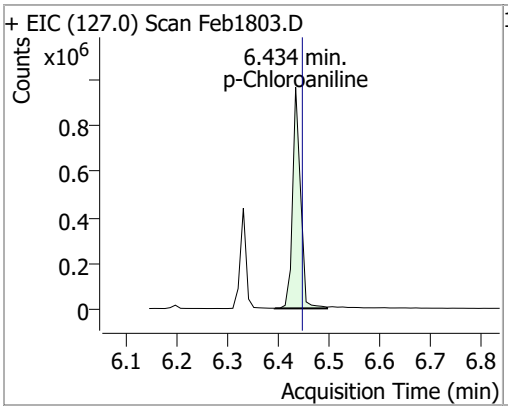
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	122.6373	6.41	0.00	301586	128.0	331.6	221.4	411.2

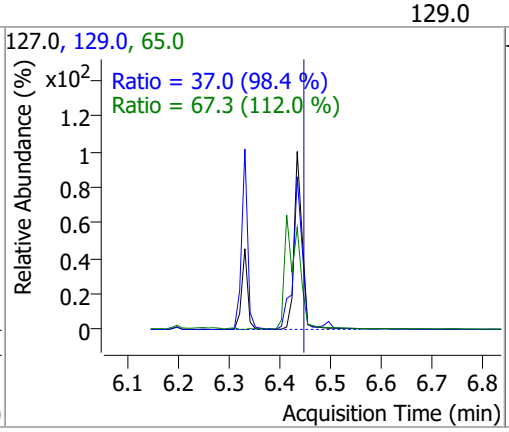


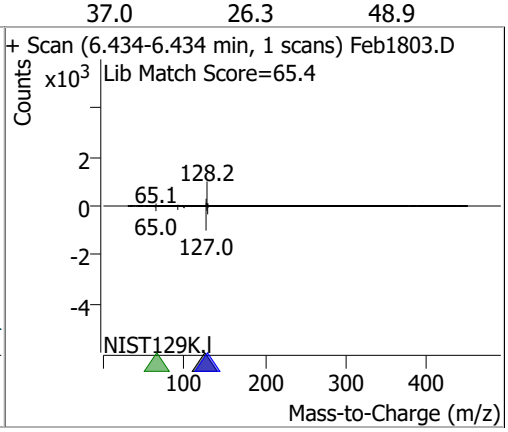




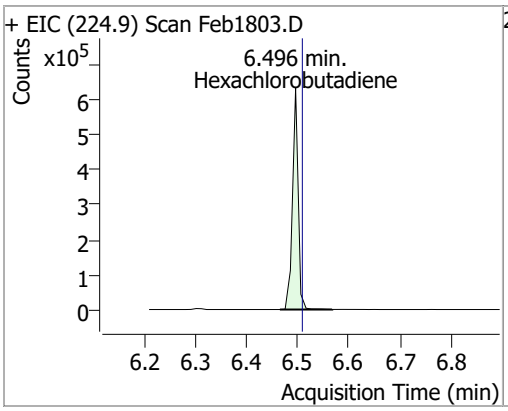
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	119.2044	6.43	0.00	1050839	65.0	67.3	42.1	78.2
					129.0	37.0	26.3	48.9

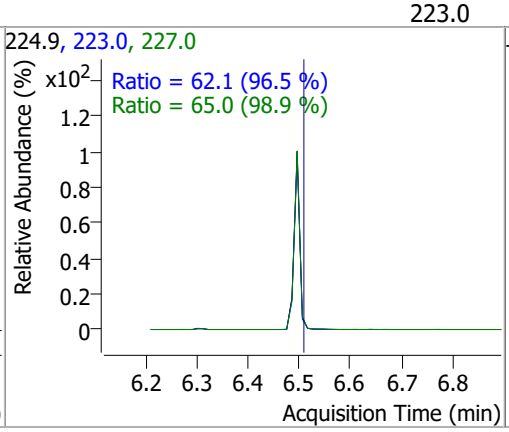


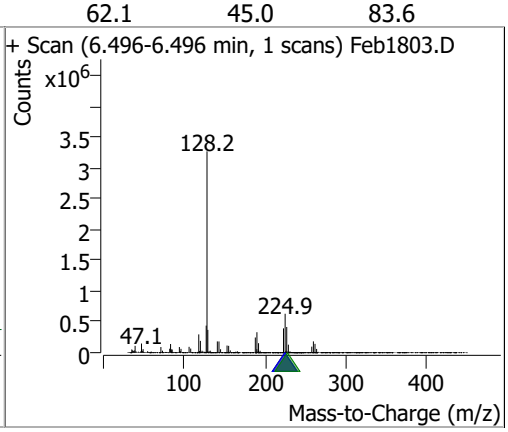




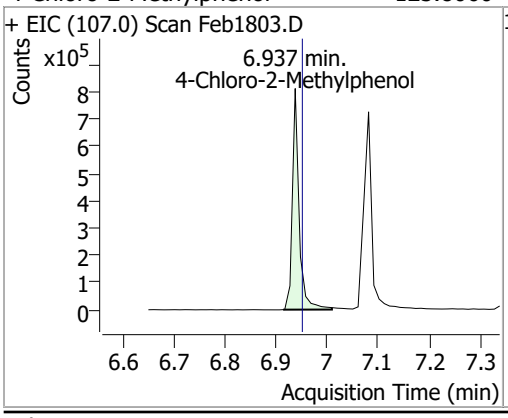
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	120.4421	6.50	0.00	492013	227.0	65.0	46.0	85.4
					223.0	62.1	45.0	83.6

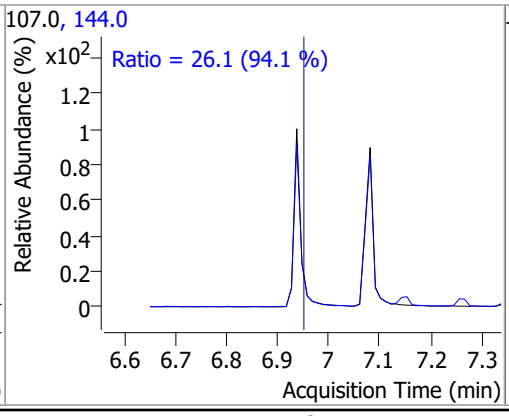


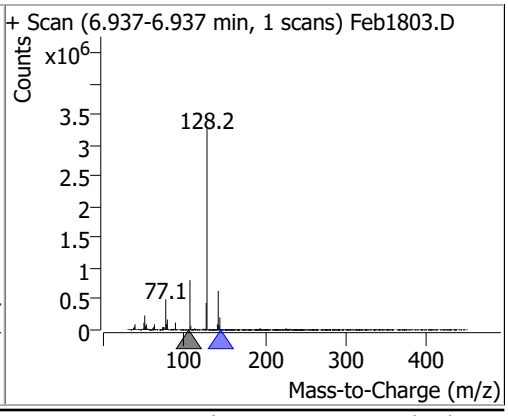




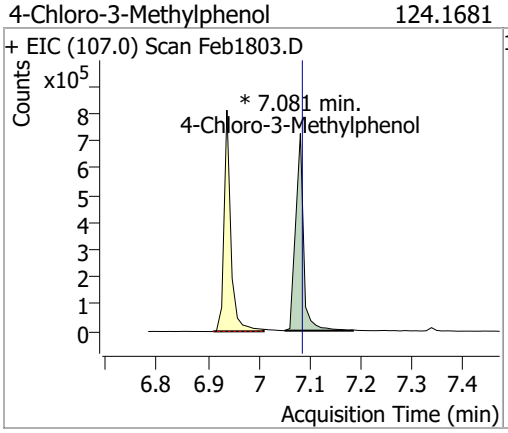
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	125.8060	6.94	0.00	740508	144.0	26.1	19.4	36.1

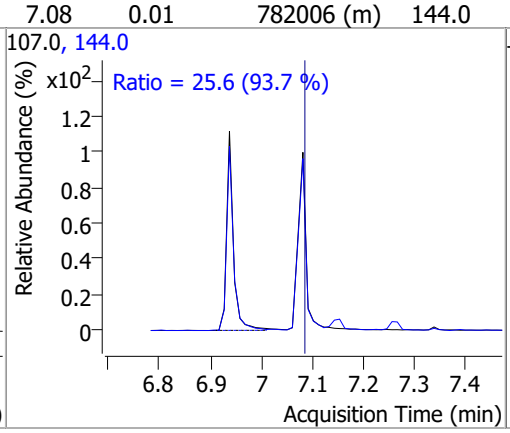


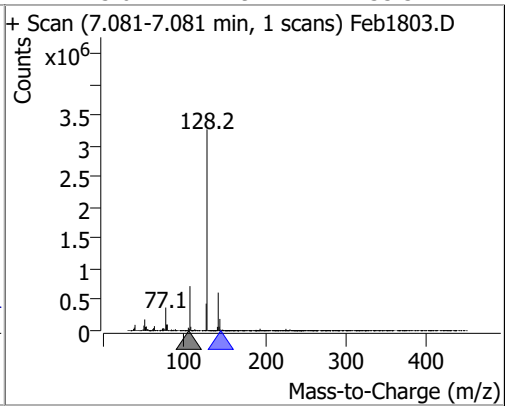




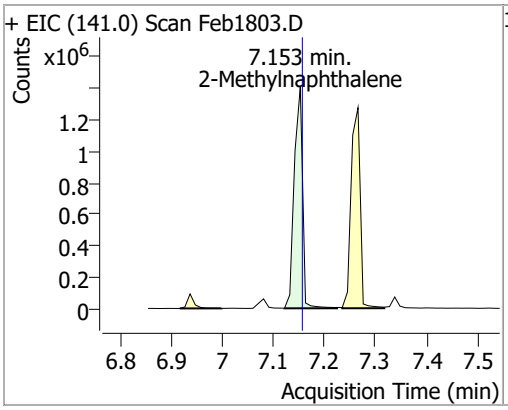
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	124.1681	7.08	0.01	782006 (m)	144.0	25.6	19.1	35.5

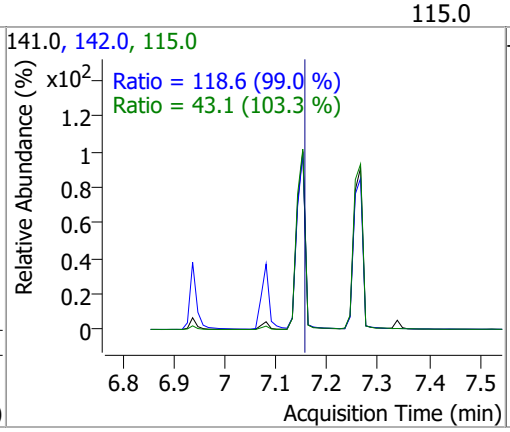


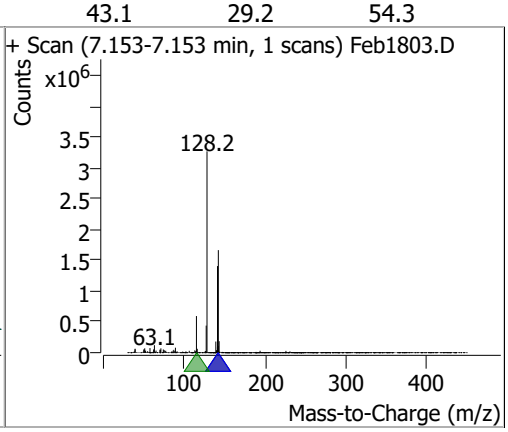




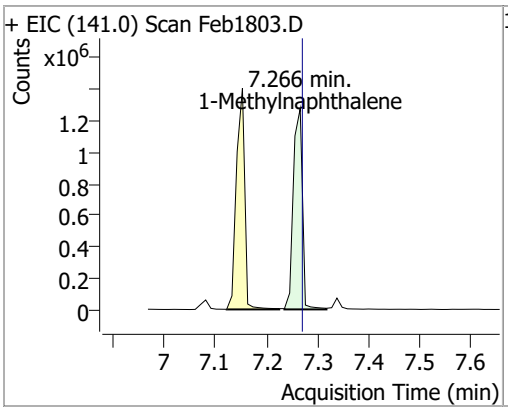
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	119.2703	7.15	0.01	1591431	142.0	118.6	83.8	155.7
					115.0	43.1	29.2	54.3

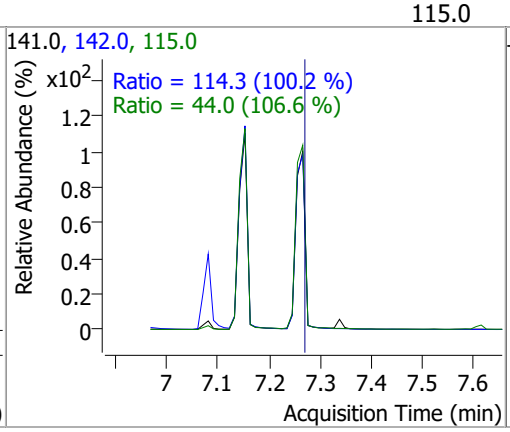


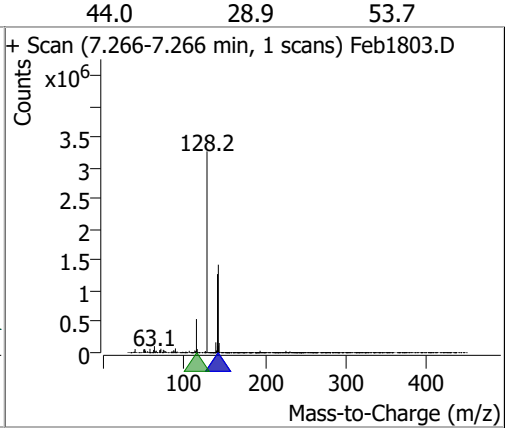




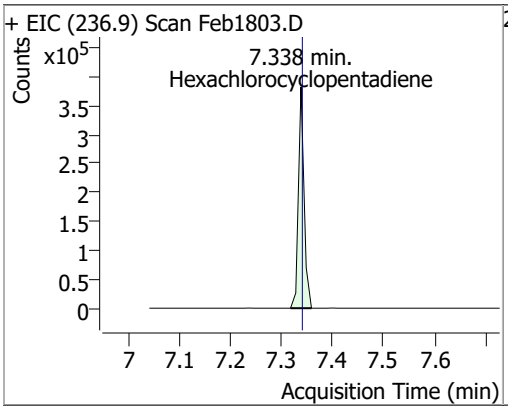
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	122.4836	7.27	0.01	1575011	142.0	114.3	79.8	148.2
					115.0	44.0	28.9	53.7

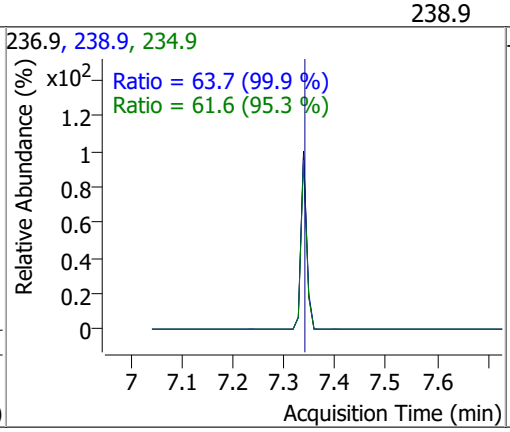


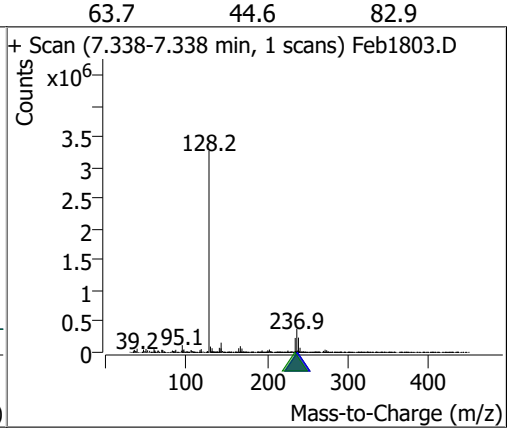




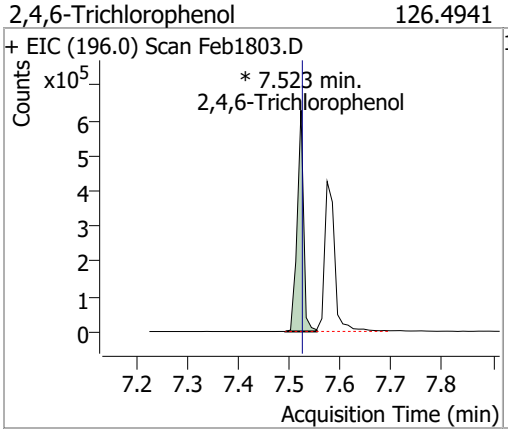
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	118.7229	7.34	0.00	295198	234.9	61.6	45.2	84.0
					238.9	63.7	44.6	82.9

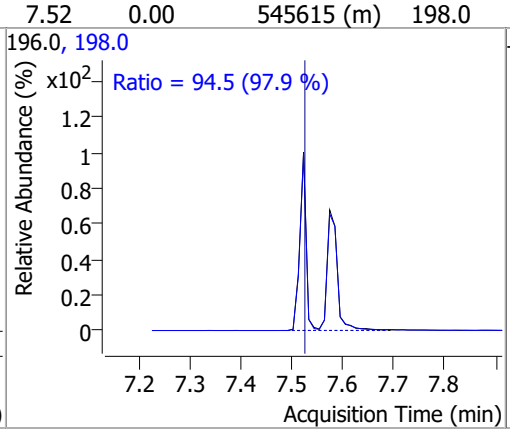


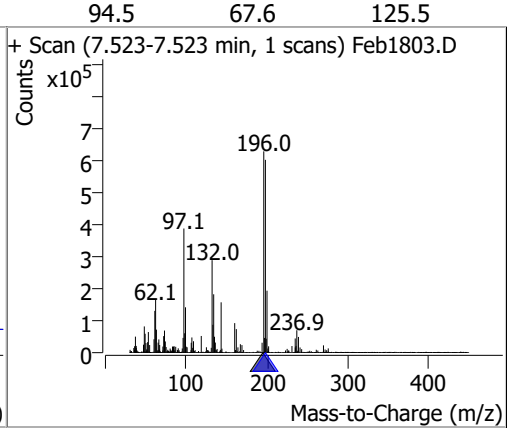




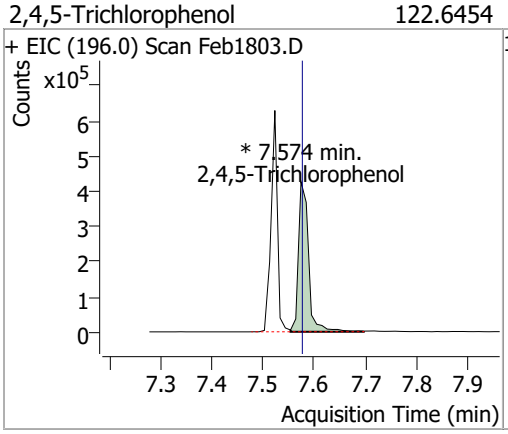
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	126.4941	7.52	0.00	545615 (m)	198.0	94.5	67.6	125.5

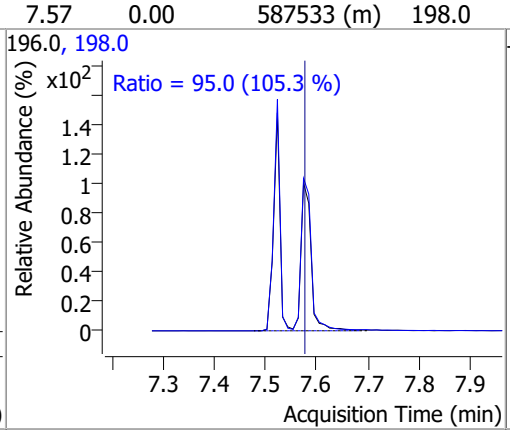


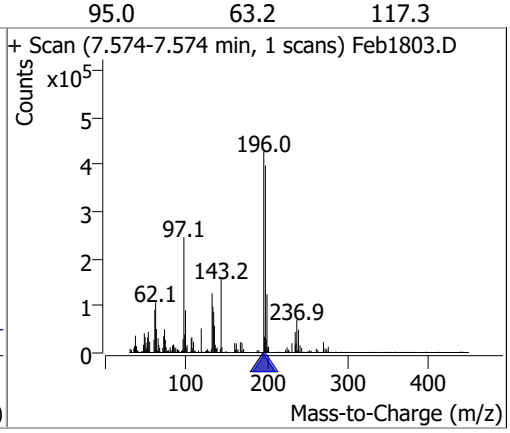




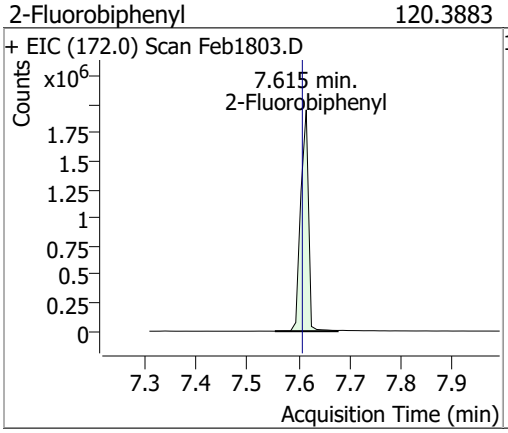
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	122.6454	7.57	0.00	587533 (m)	198.0	95.0	63.2	117.3

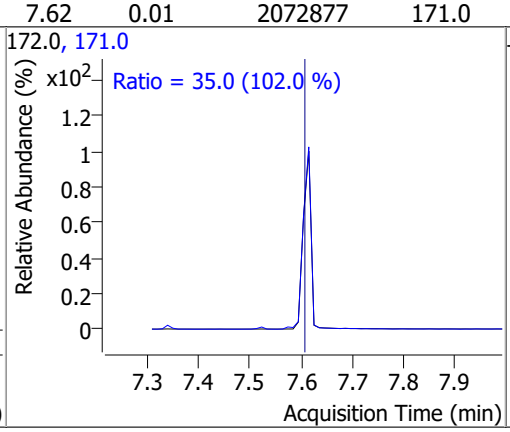


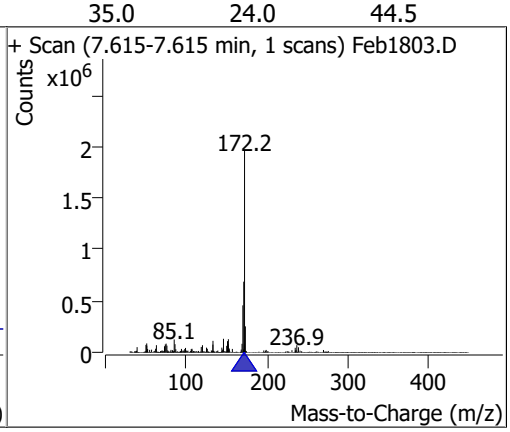




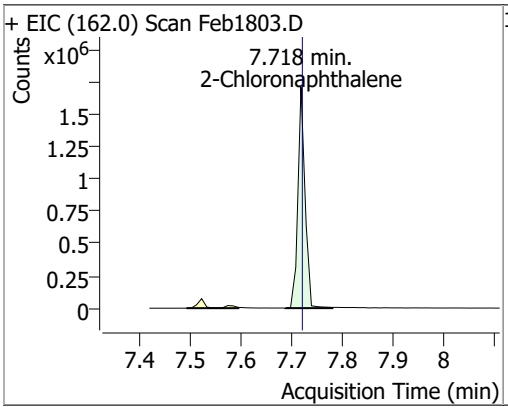
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	120.3883	7.62	0.01	2072877	171.0	35.0	24.0	44.5

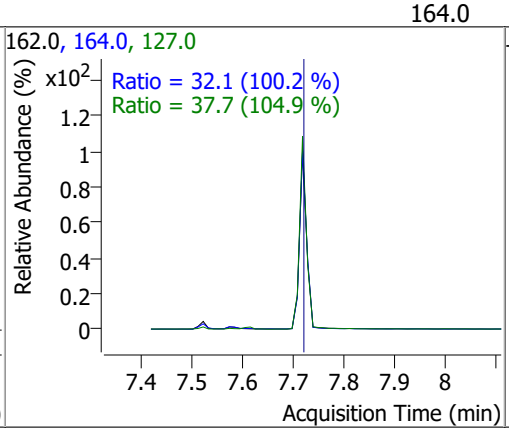


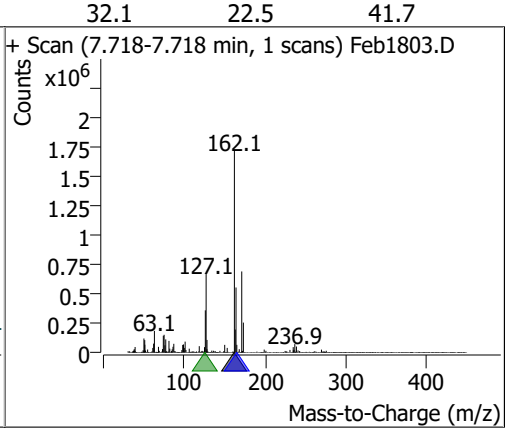




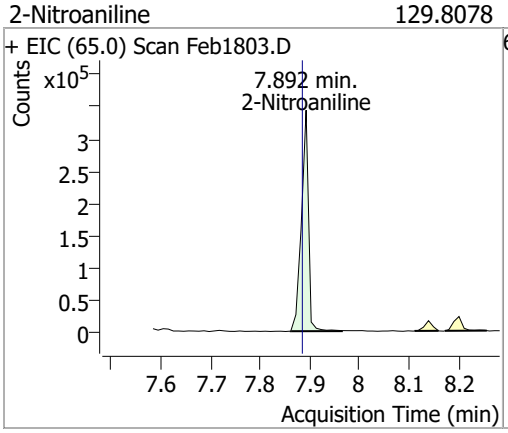
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	116.0457	7.72	0.00	1673143	127.0	37.7	25.1	46.7
					164.0	32.1	22.5	41.7

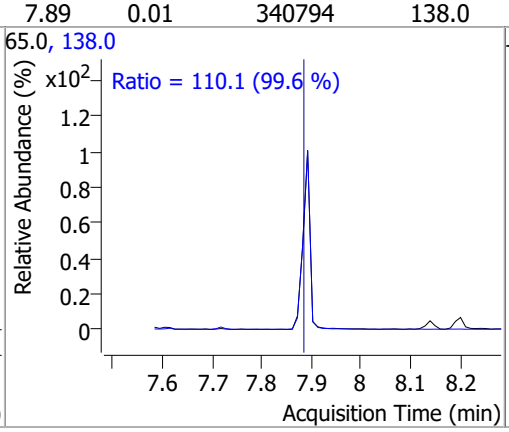


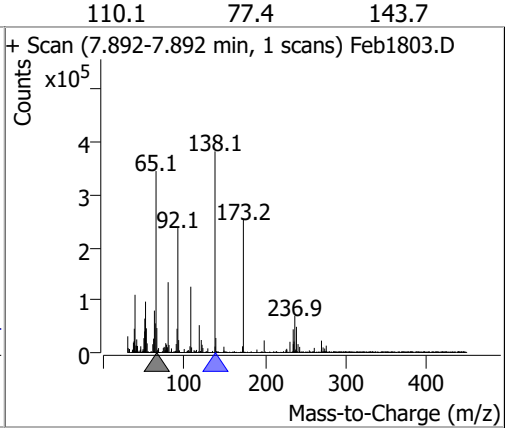




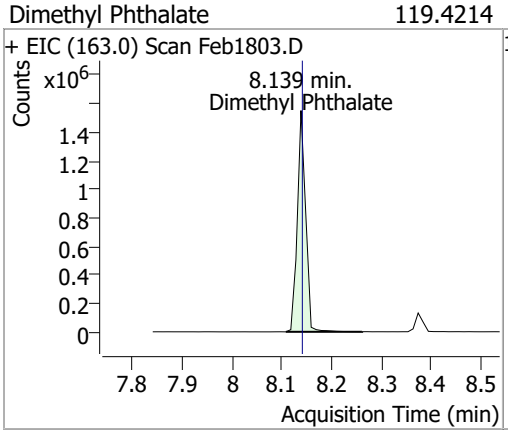
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	129.8078	7.89	0.01	340794	138.0	110.1	77.4	143.7

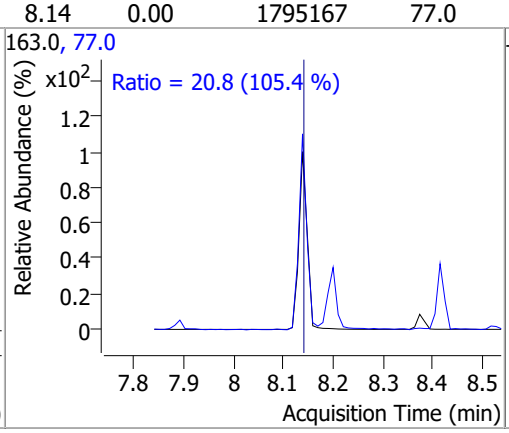


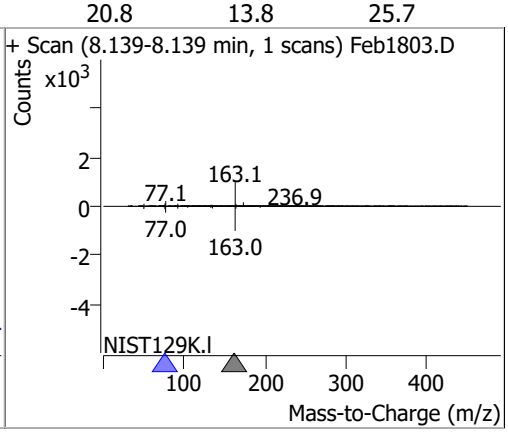




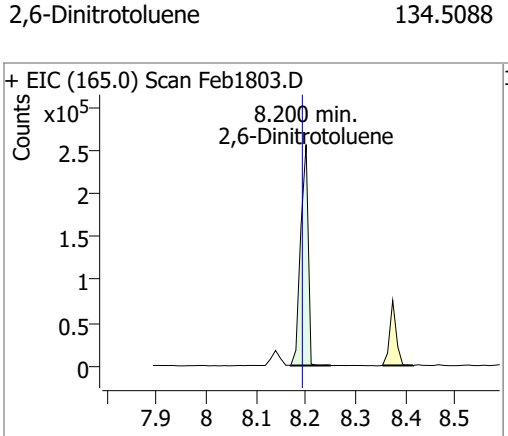
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	119.4214	8.14	0.00	1795167	77.0	20.8	13.8	25.7

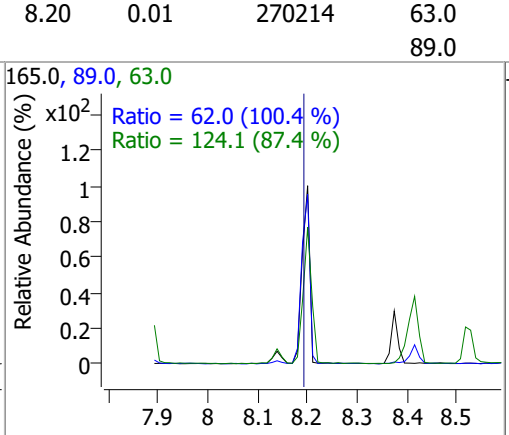


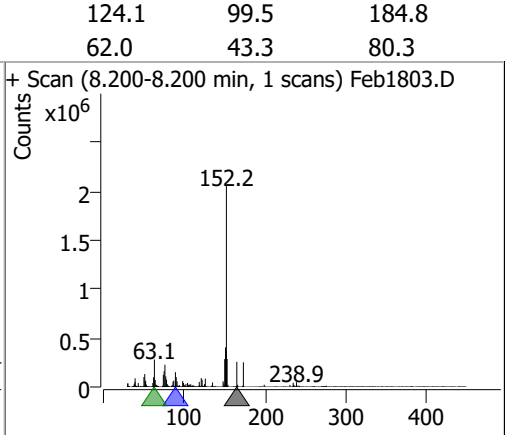




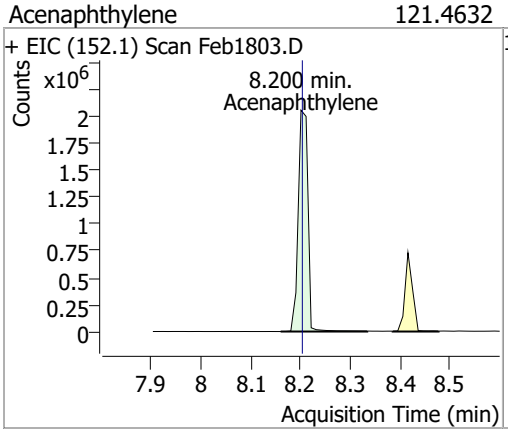
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	134.5088	8.20	0.01	270214	63.0	124.1	99.5	184.8
					89.0	62.0	43.3	80.3

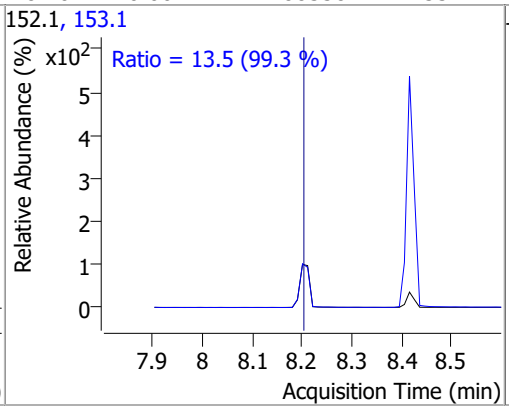


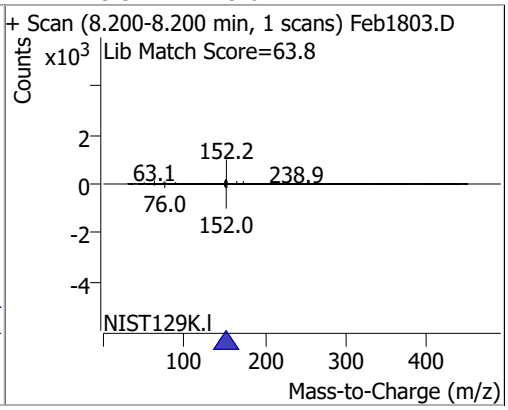




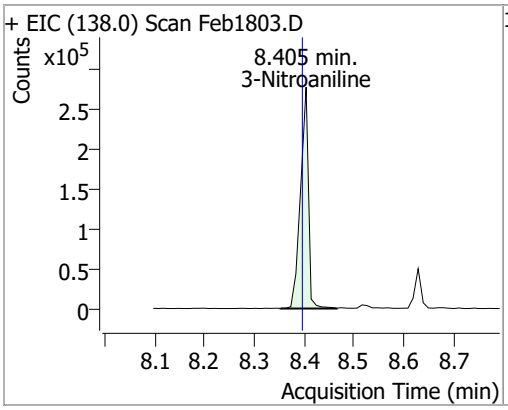
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	121.4632	8.20	0.00	2788358	153.1	13.5	9.6	17.7

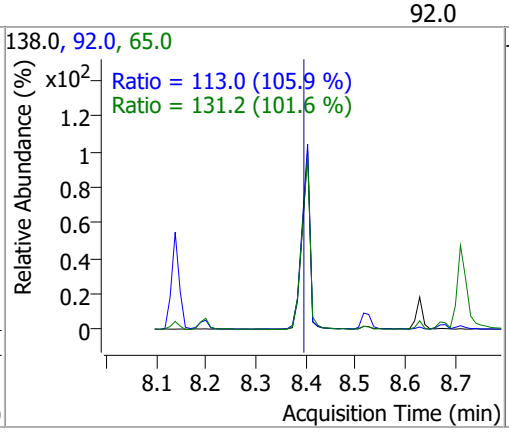


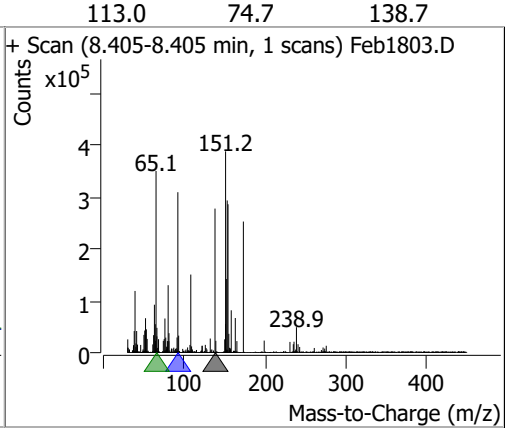




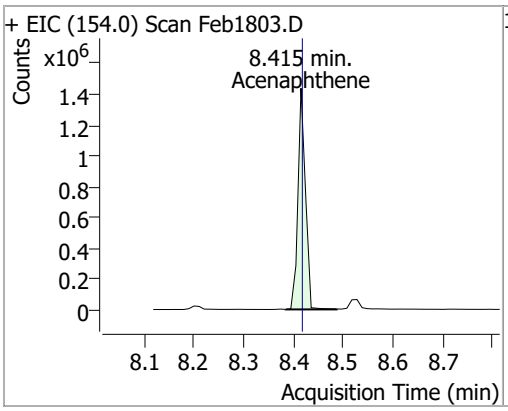
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	130.3972	8.40	0.01	309107	65.0	131.2	90.4	167.8
					92.0	113.0	74.7	138.7

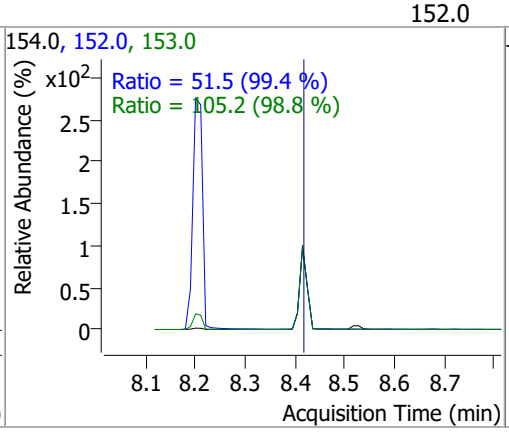


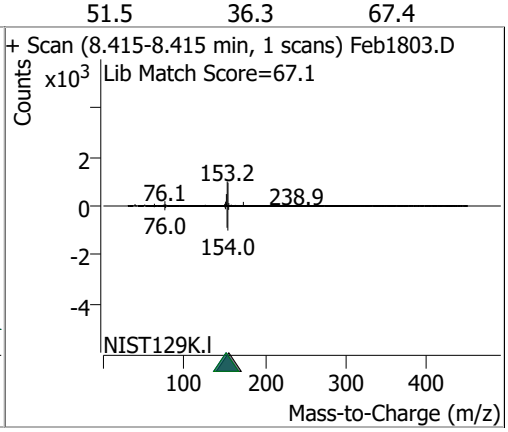




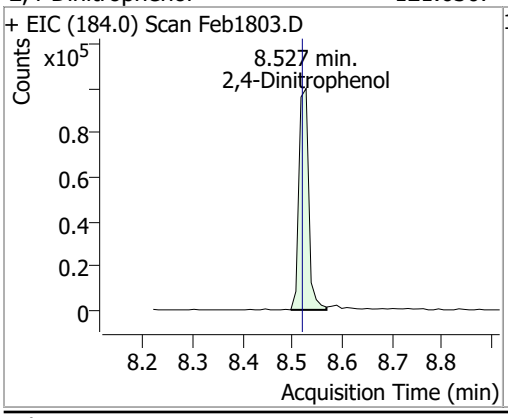
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	117.1551	8.41	0.00	1503475	153.0	105.2	74.5	138.4
					152.0	51.5	36.3	67.4

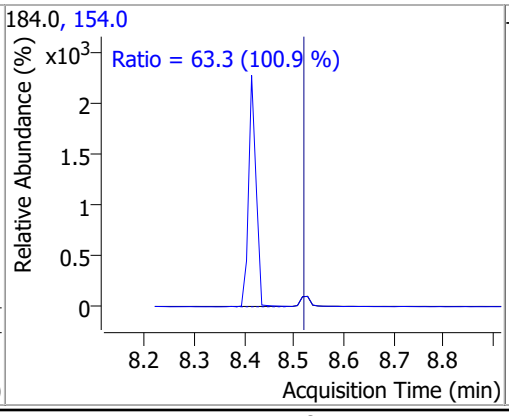


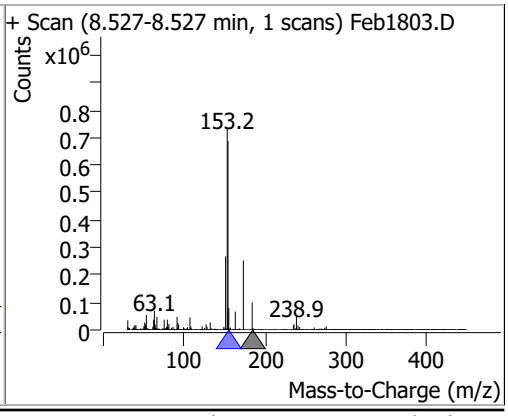




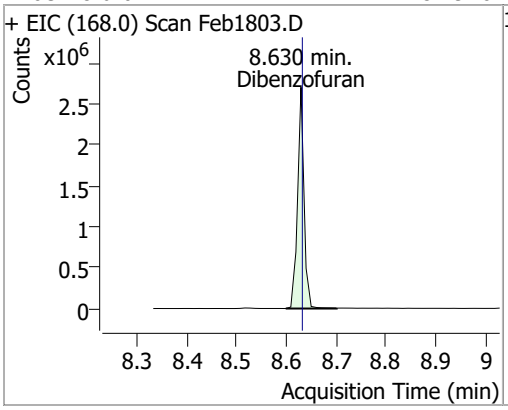
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	121.6307	8.53	0.01	138026	154.0	63.3	43.9	81.5

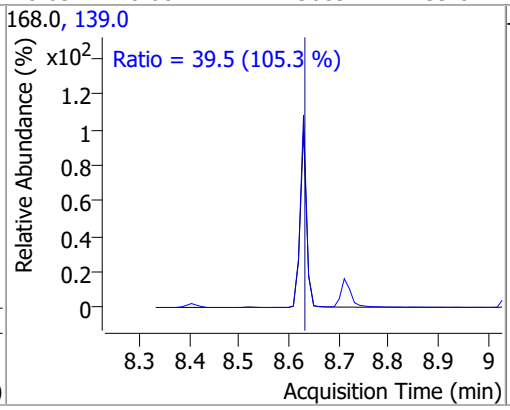


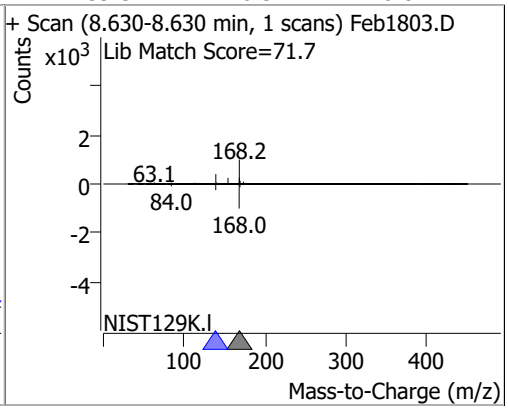




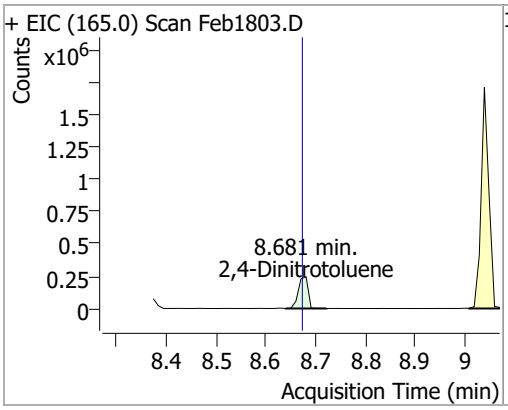
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	118.4946	8.63	0.00	2443689	139.0	39.5	26.3	48.8

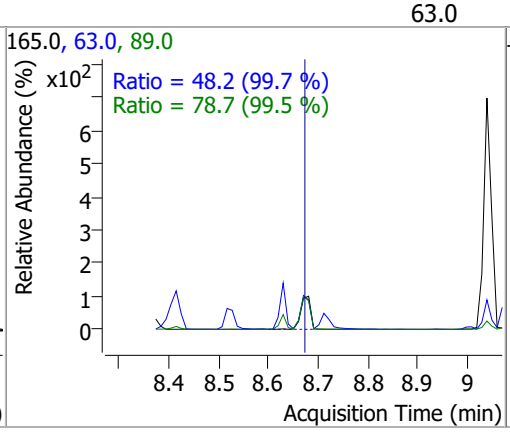


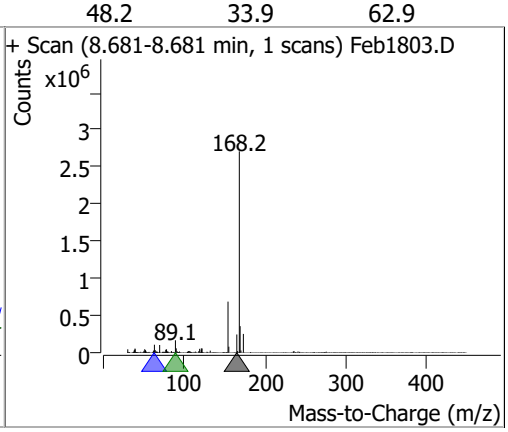




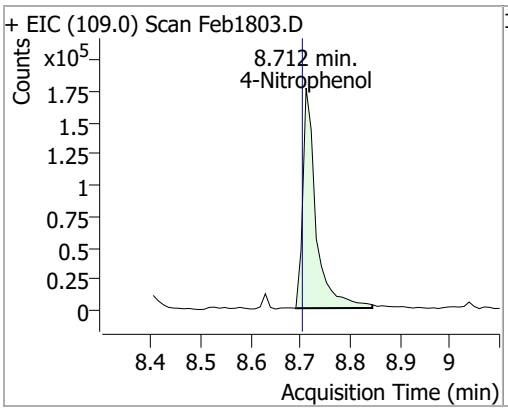
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	122.8060	8.68	0.01	328858	89.0	78.7	55.4	102.9
					63.0	48.2	33.9	62.9

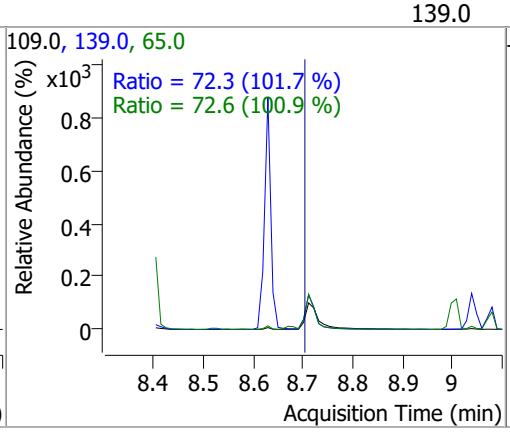


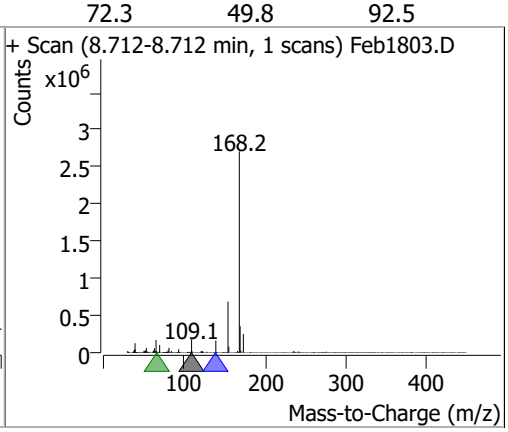




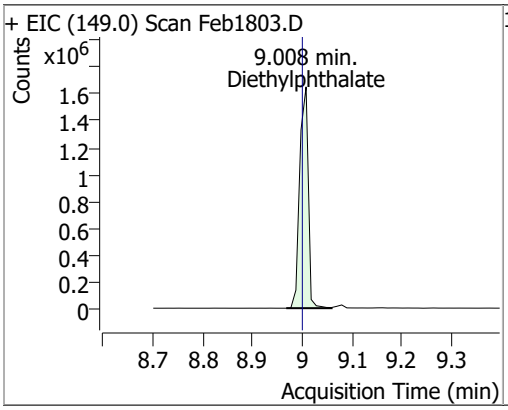
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	126.2944	8.71	0.01	326746	65.0	72.6	50.4	93.6
					139.0	72.3	49.8	92.5

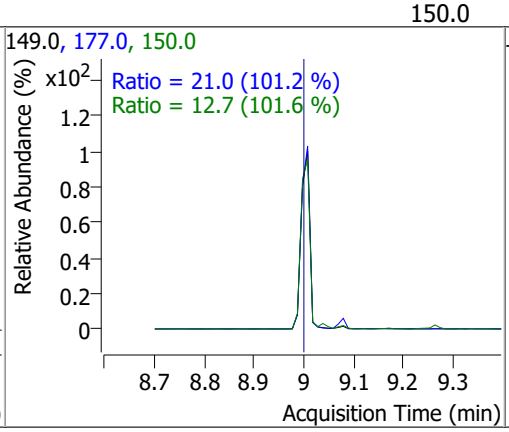


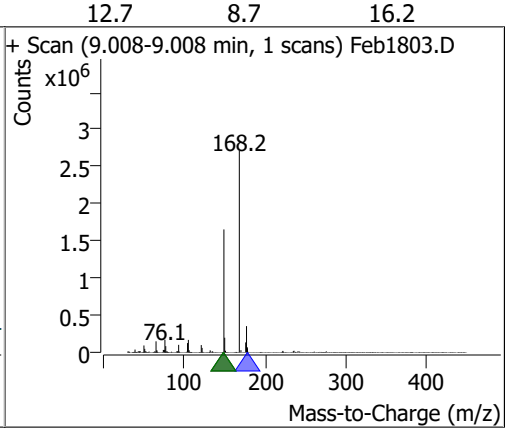




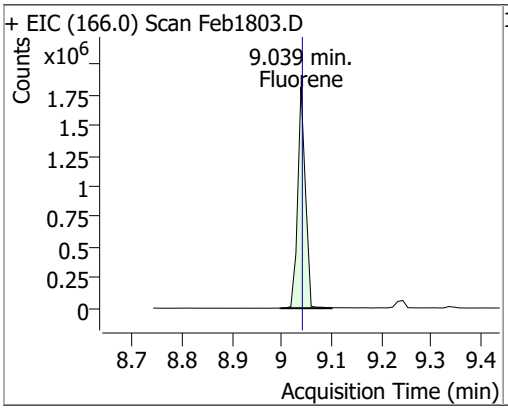
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	125.7671	9.01	0.01	1980149	177.0	21.0	14.5	27.0
					150.0	12.7	8.7	16.2

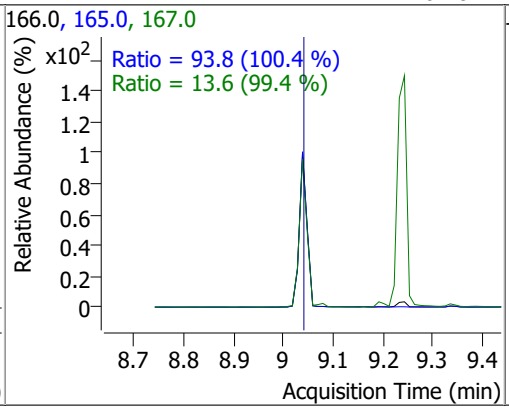


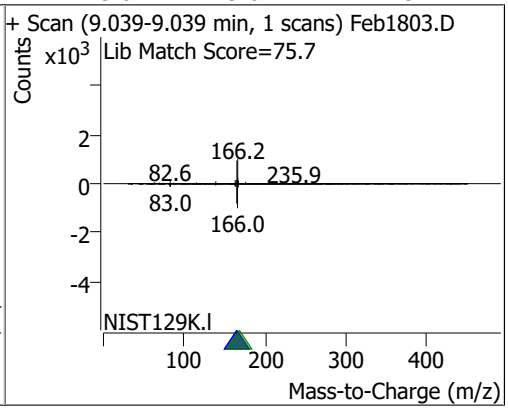




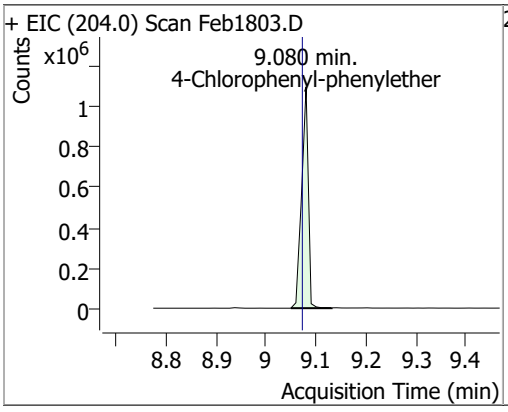
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	114.4523	9.04	0.00	1952030	165.0	93.8	65.4	121.4
					167.0	13.6	9.6	17.8

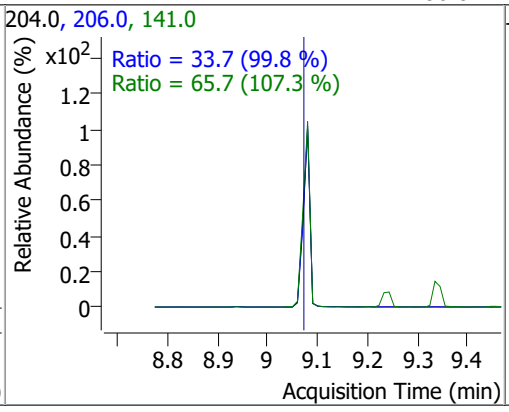


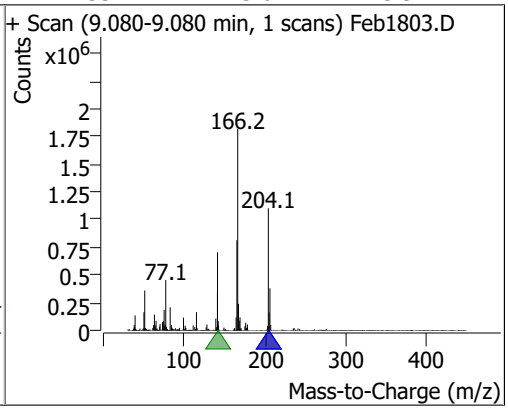




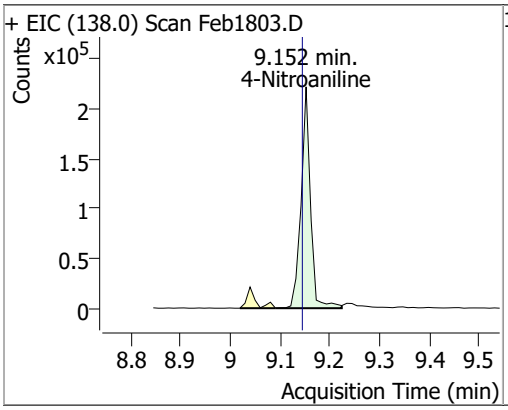
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	127.4811	9.08	0.01	1017662	141.0	65.7	42.8	79.6
					206.0	33.7	23.6	43.9

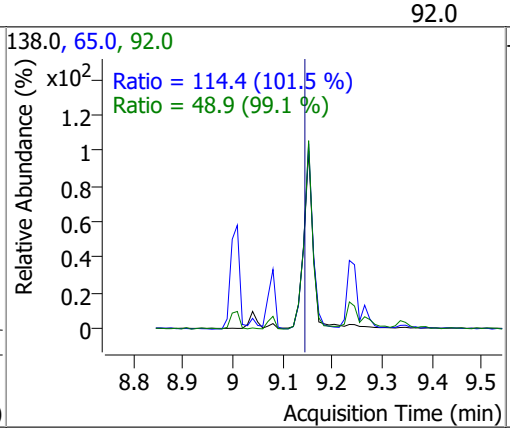


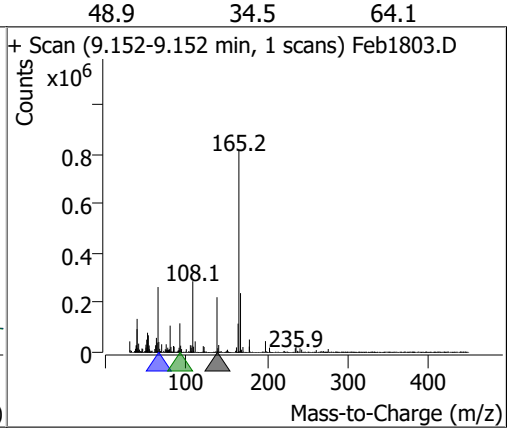




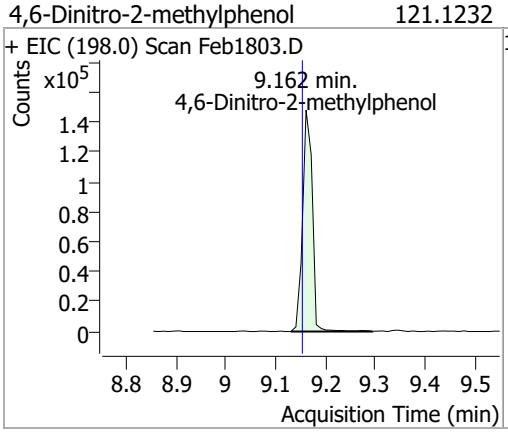
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	114.2027	9.15	0.01	291518	65.0	114.4	78.9	146.6
					92.0	48.9	34.5	64.1

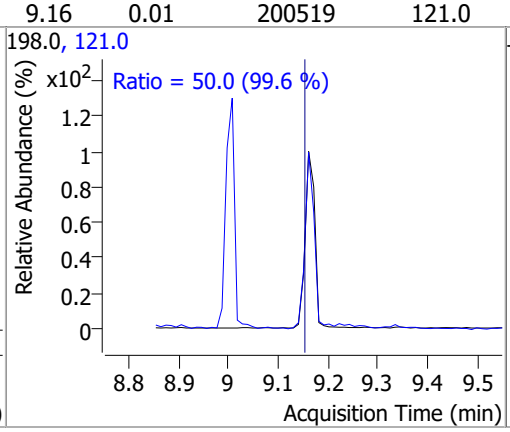


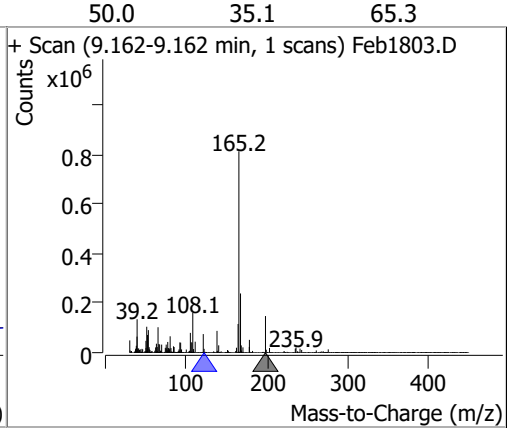




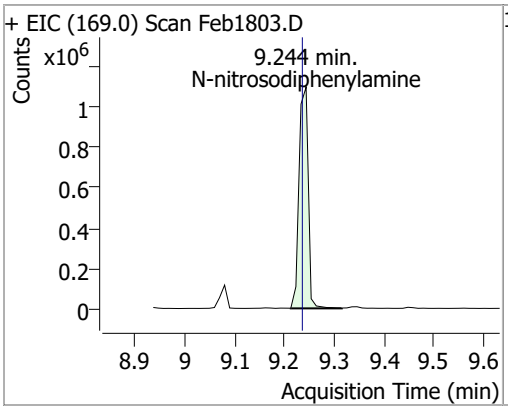
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	121.1232	9.16	0.01	200519	121.0	50.0	35.1	65.3

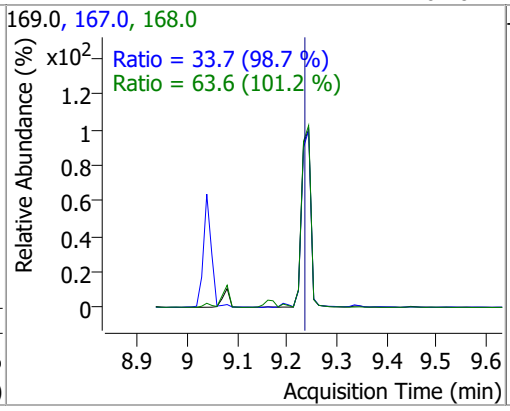


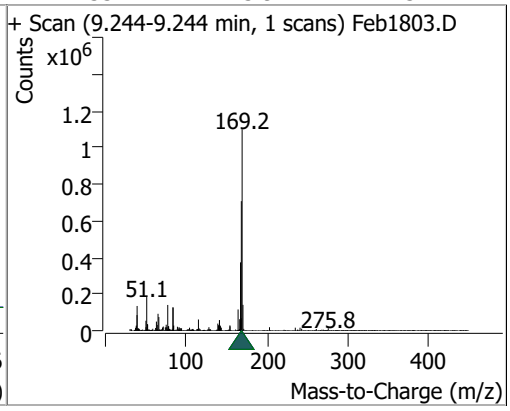




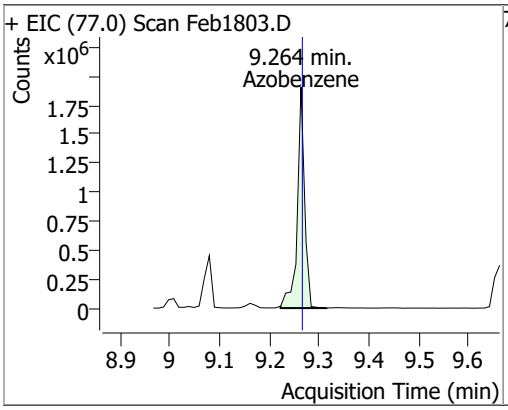
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	120.7344	9.24	0.01	1414366	168.0	63.6	44.0	81.7
					167.0	33.7	23.9	44.3

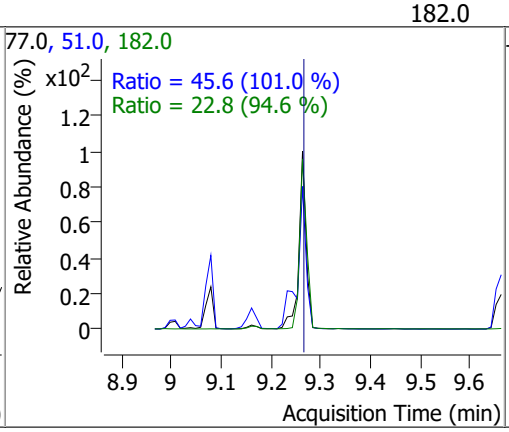


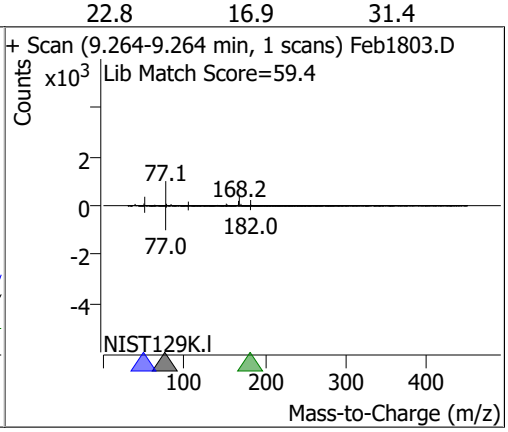




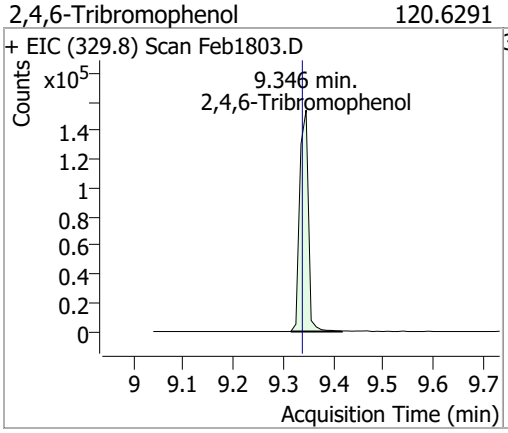
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	120.2669	9.26	0.00	1932785	51.0	45.6	31.6	58.7
					182.0	22.8	16.9	31.4

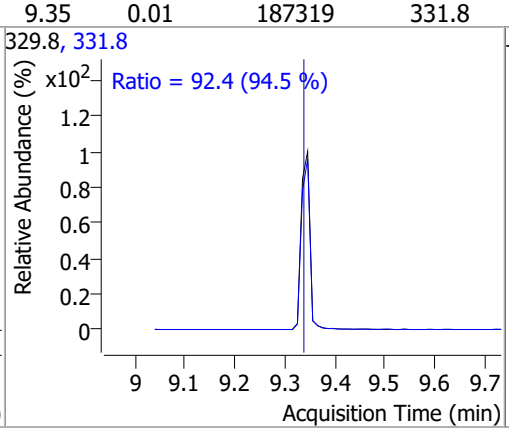


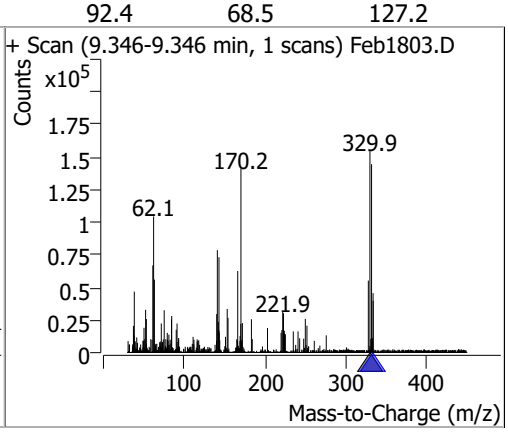




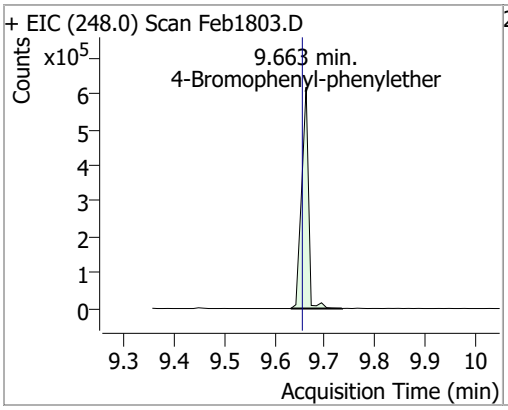
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	120.6291	9.35	0.01	187319	331.8	92.4	68.5	127.2

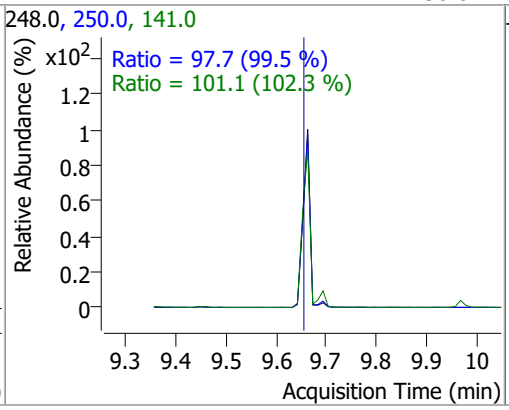


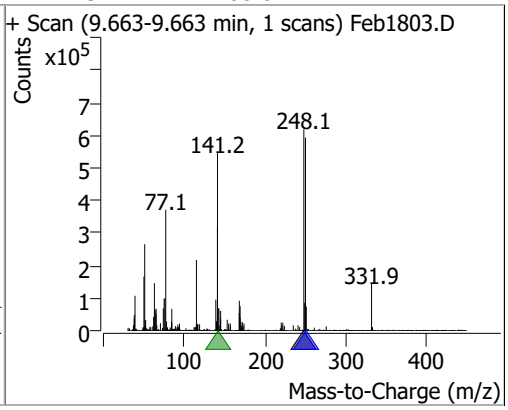




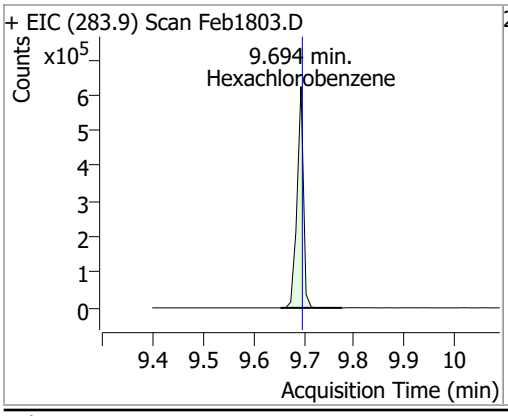
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	126.1586	9.66	0.01	589591	141.0	101.1	69.1	128.4
					250.0	97.7	68.8	127.7

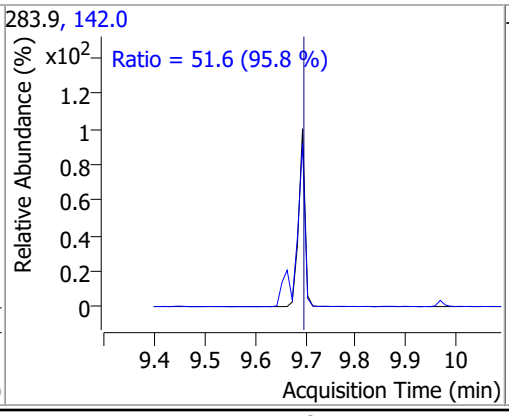


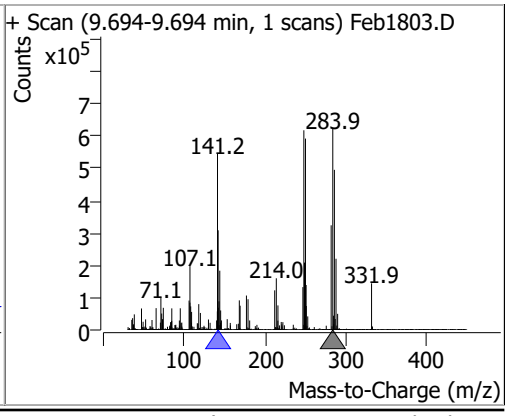




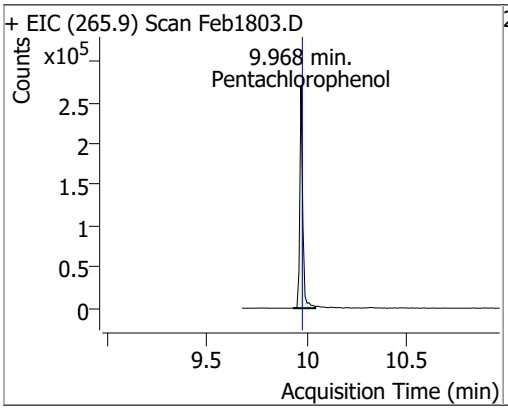
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	123.9440	9.69	0.00	550809	142.0	51.6	37.7	70.0

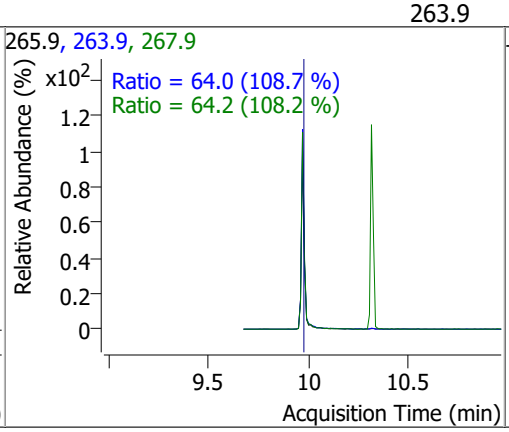


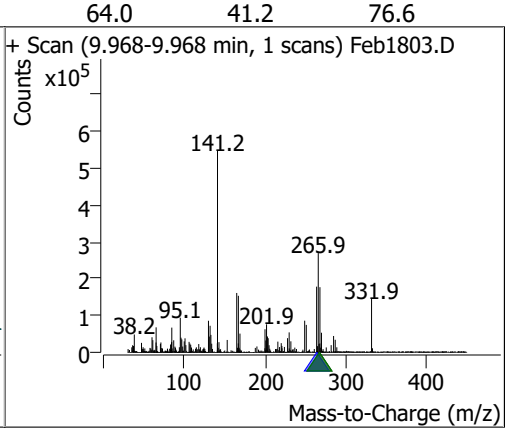




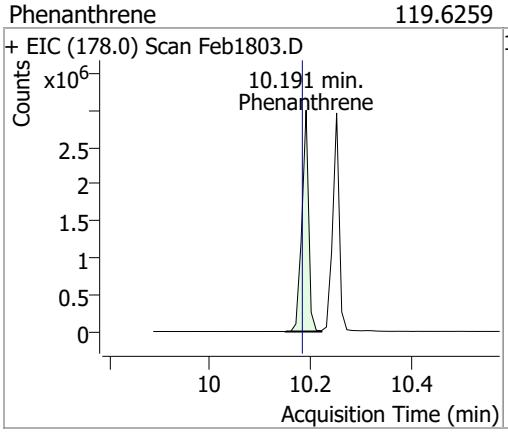
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	118.9229	9.97	0.00	272170	267.9	64.2	41.5	77.2
					263.9	64.0	41.2	76.6

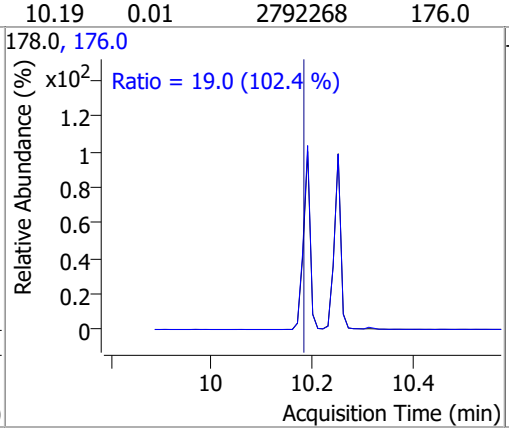


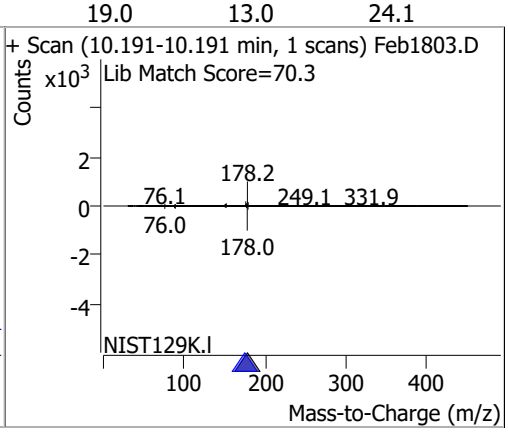




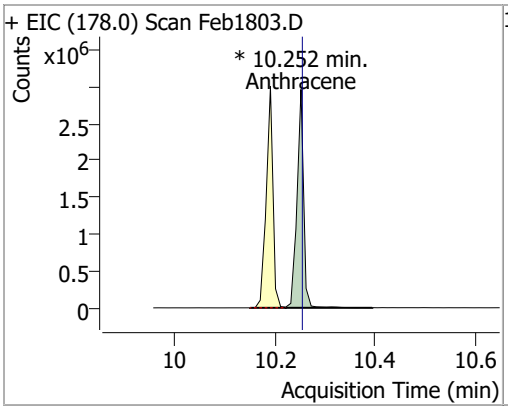
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	119.6259	10.19	0.01	2792268	176.0	19.0	13.0	24.1

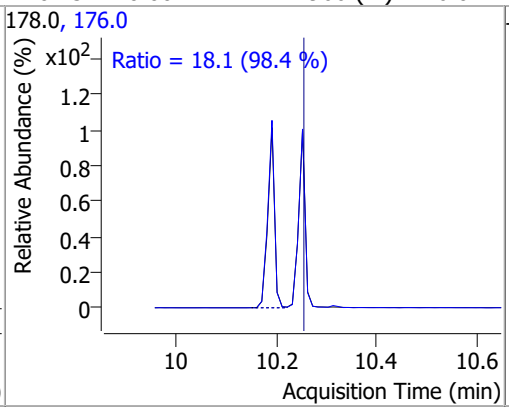


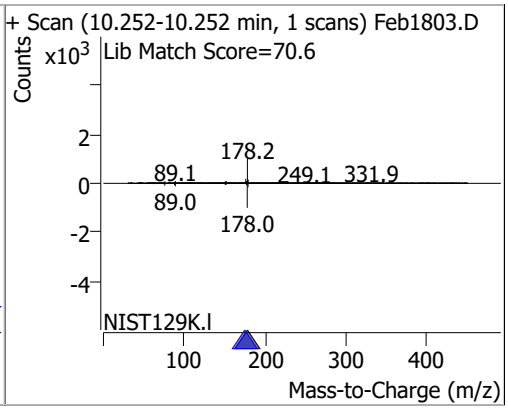




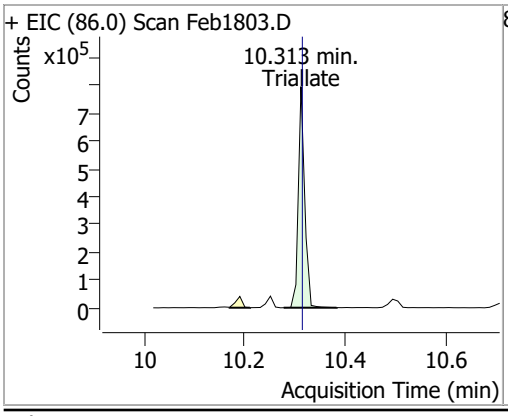
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	119.3027	10.25	0.00	2712966 (m)	176.0	18.1	12.9	23.9

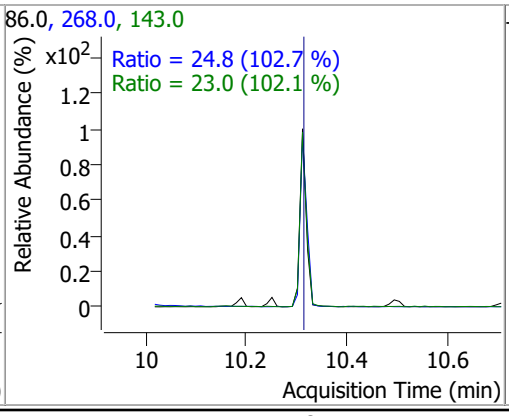


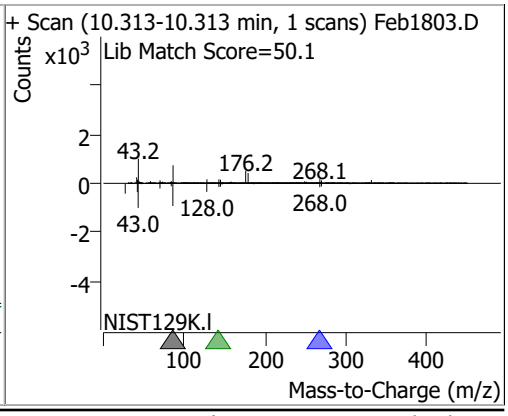




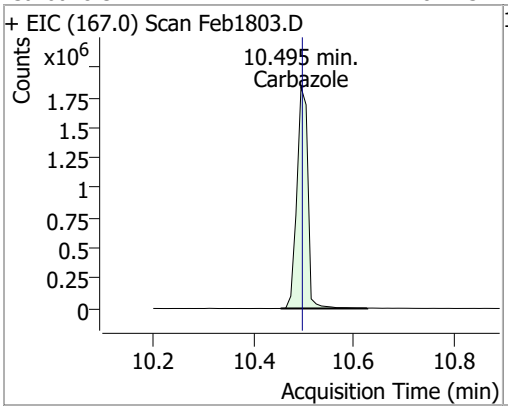
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	120.4325	10.31	0.00	696512	268.0	24.8	16.9	31.4
					143.0	23.0	15.8	29.3

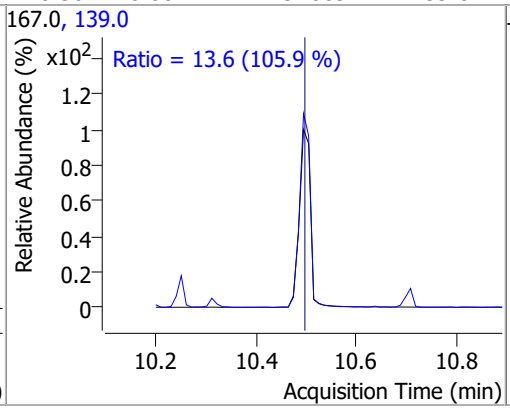


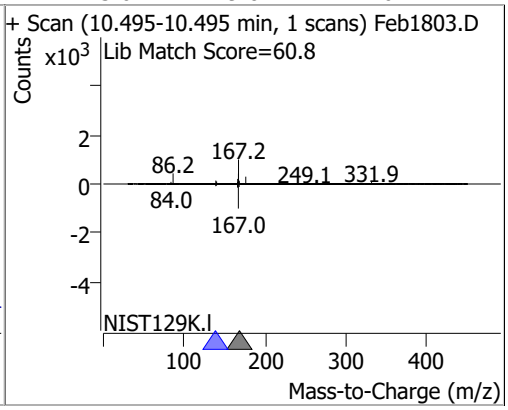




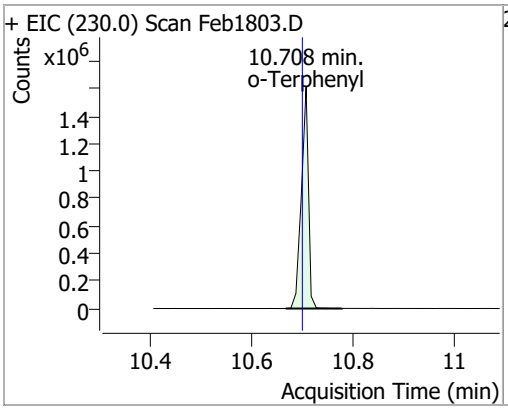
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	120.4732	10.50	0.00	2794889	139.0	13.6	9.0	16.7

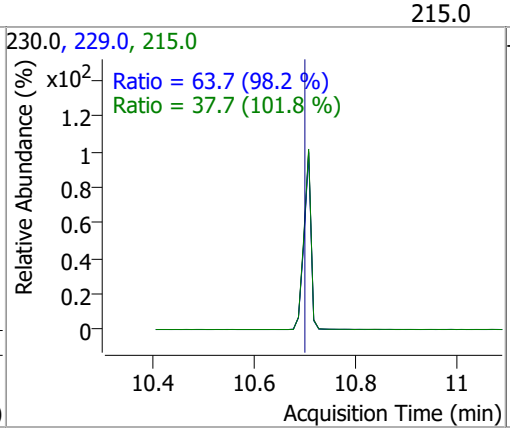


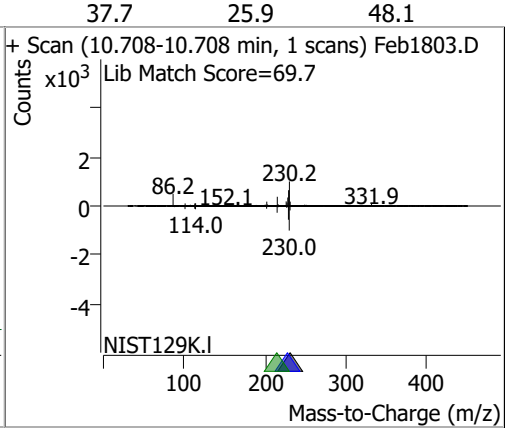




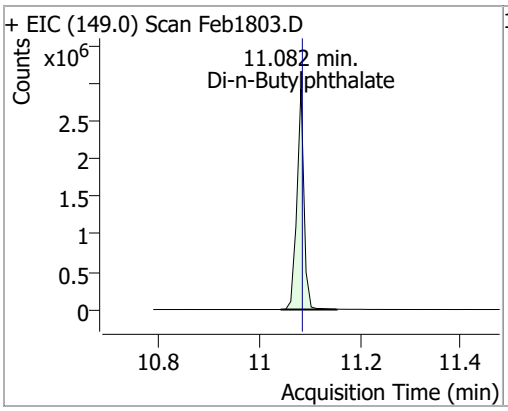
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	125.0935	10.71	0.01	1579903	229.0	63.7	45.4	84.3
					215.0	37.7	25.9	48.1

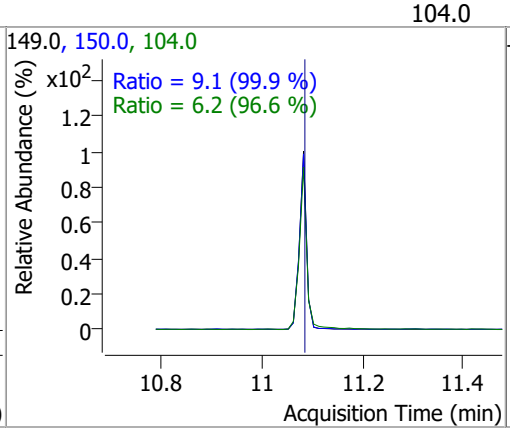


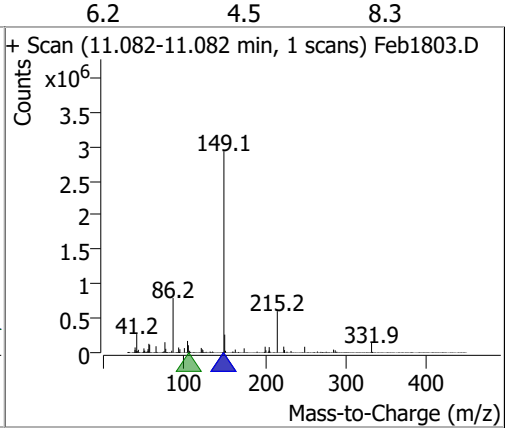




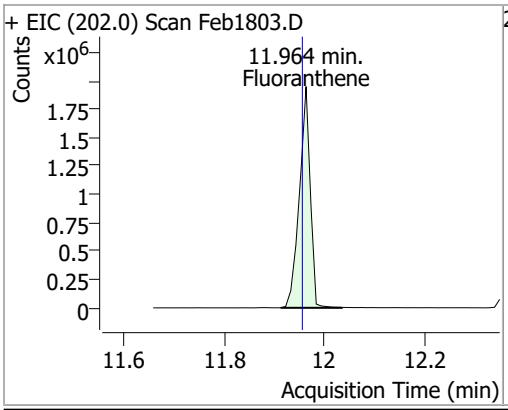
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	121.0143	11.08	0.00	2864235	150.0	9.1	6.3	11.8
					104.0	6.2	4.5	8.3

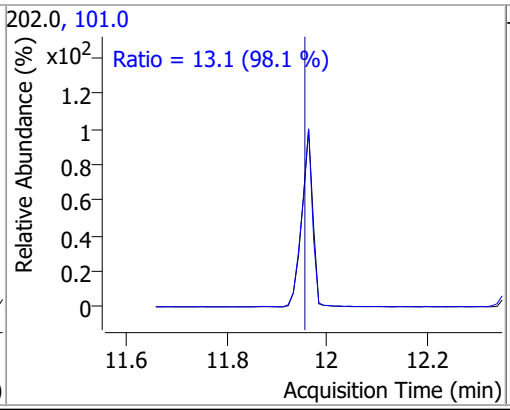


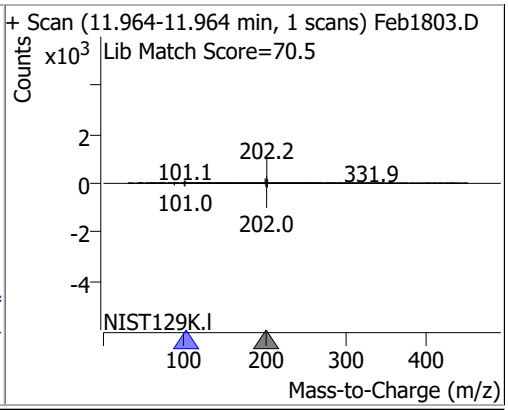




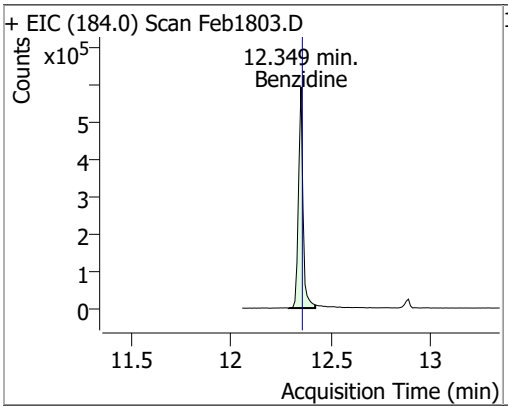
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	120.7096	11.96	0.01	2925734	101.0	13.1	9.4	17.4

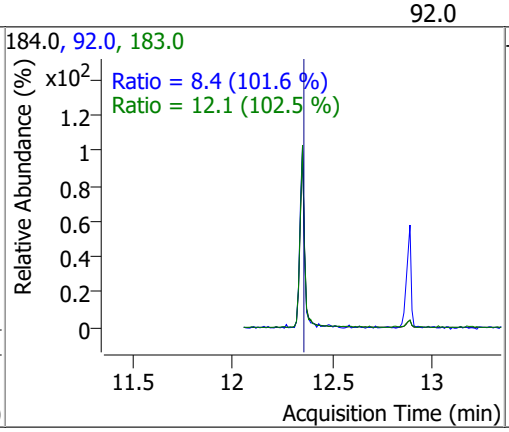


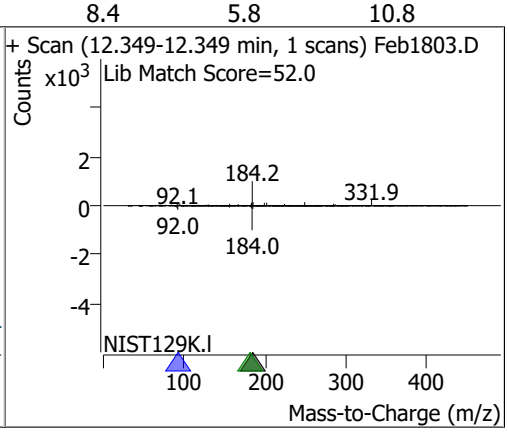




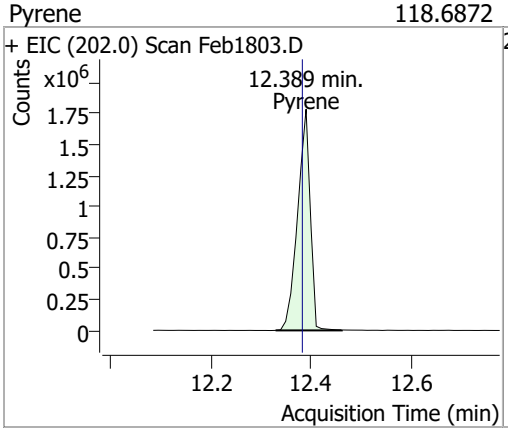
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	114.7160	12.35	0.00	925246	183.0	12.1	8.3	15.4
					92.0	8.4	5.8	10.8

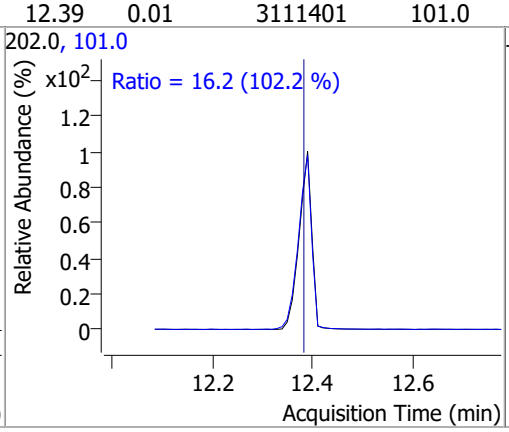


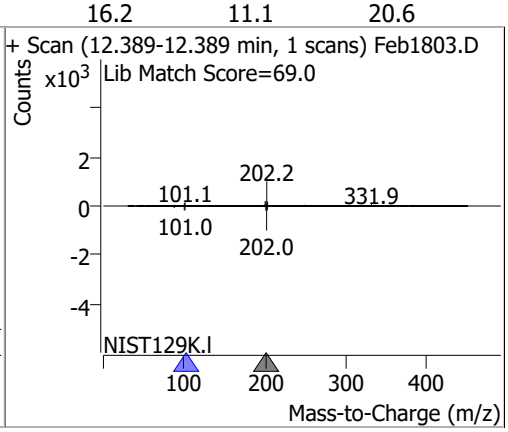




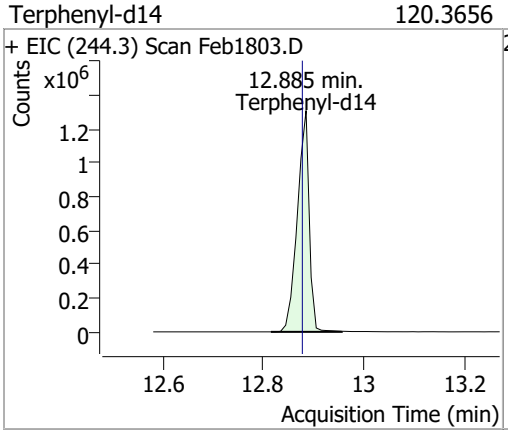
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	118.6872	12.39	0.01	3111401	101.0	16.2	11.1	20.6

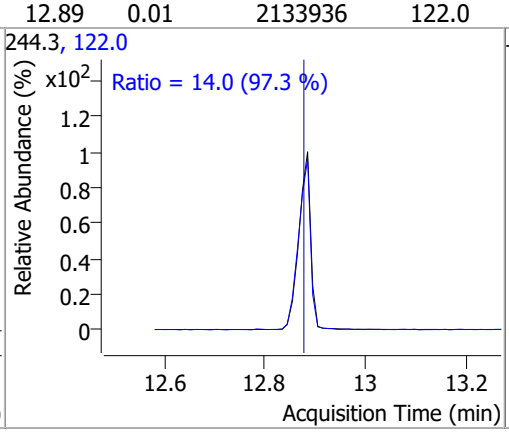


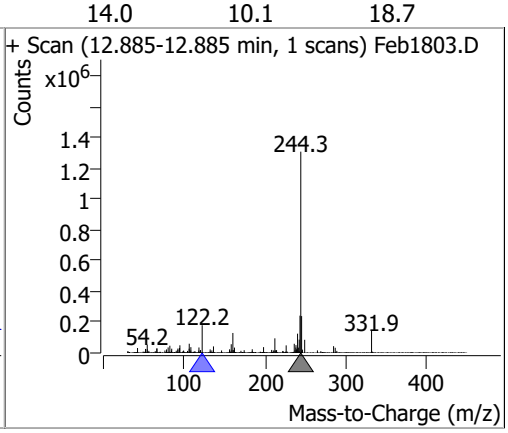




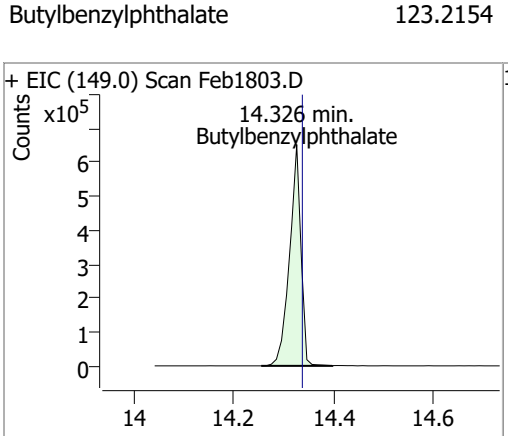
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	120.3656	12.89	0.01	2133936	122.0	14.0	10.1	18.7

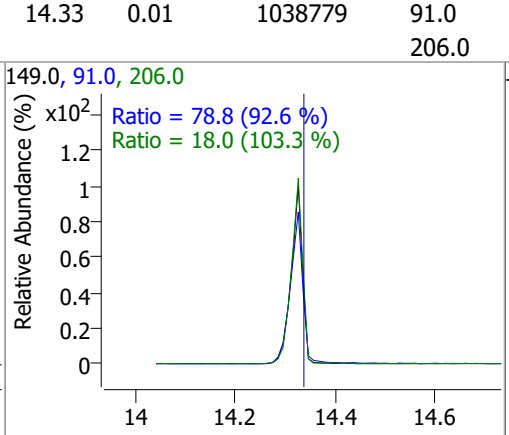


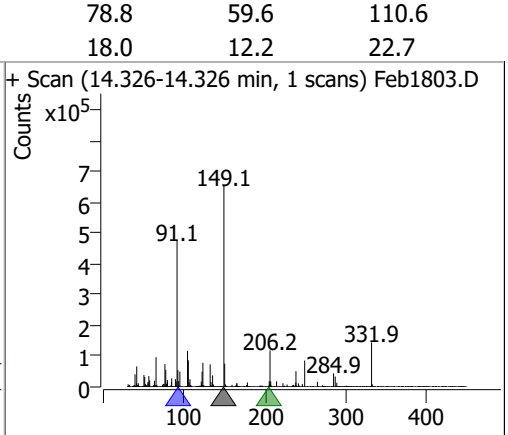




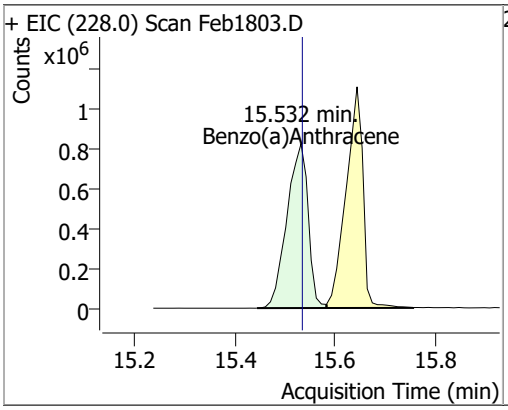
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	123.2154	14.33	0.01	1038779	91.0	78.8	59.6	110.6
					206.0	18.0	12.2	22.7

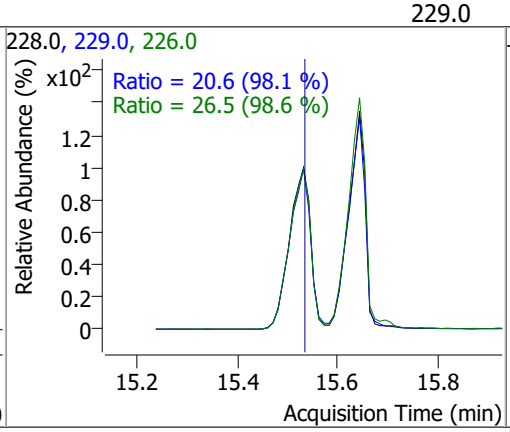


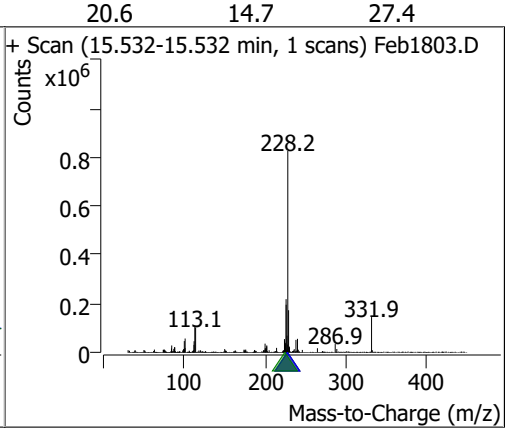




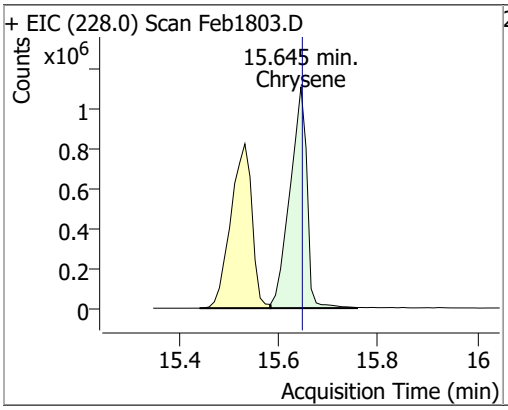
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	123.9899	15.53	0.02	2429458	226.0	26.5	18.8	34.9
					229.0	20.6	14.7	27.4

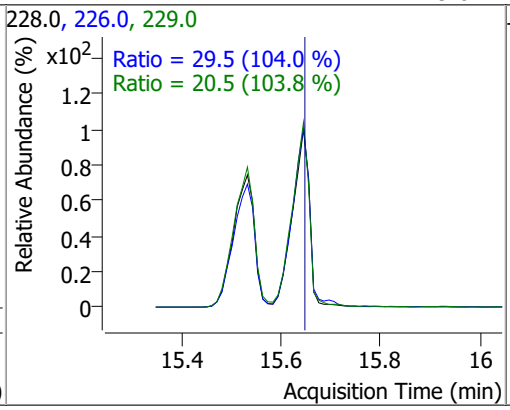


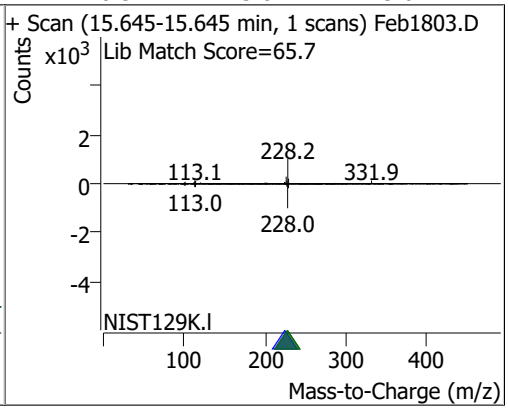




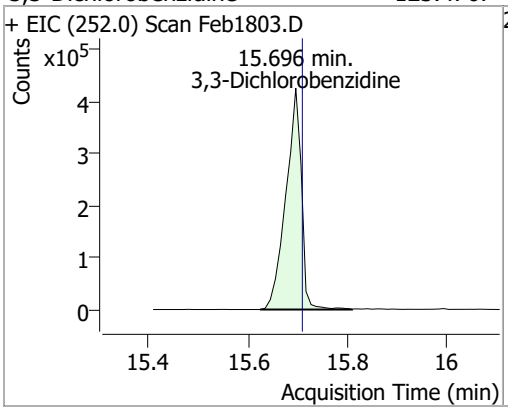
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	122.2787	15.64	0.02	2630114	226.0	29.5	19.9	36.9
					229.0	20.5	13.8	25.6

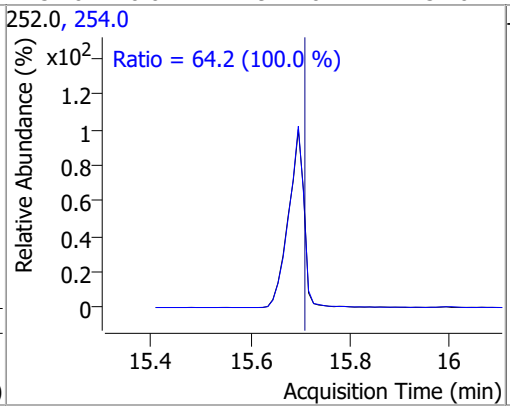


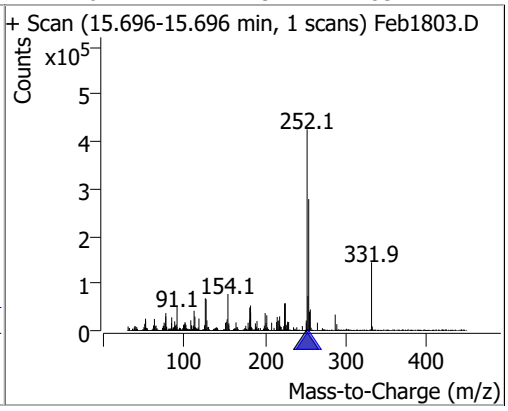




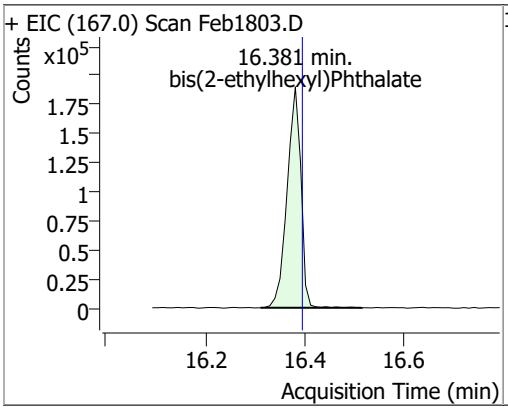
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	123.4767	15.70	0.01	921207	254.0	64.2	44.9	83.4

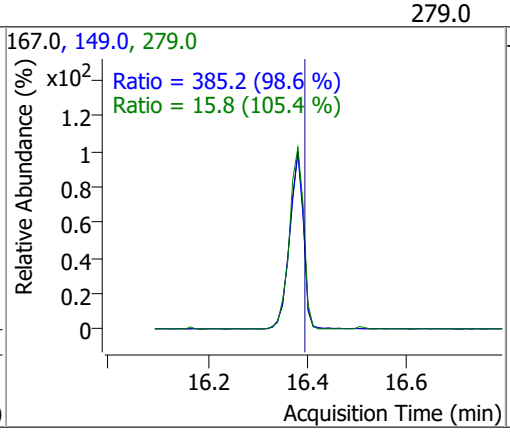


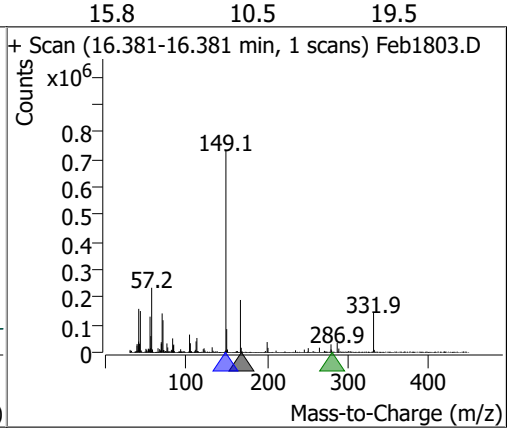




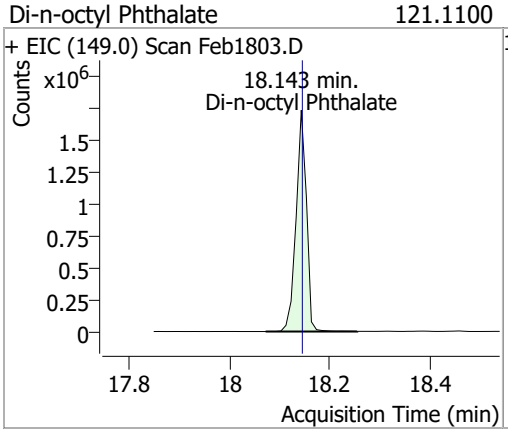
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	124.1299	16.38	0.01	364319	149.0	385.2	273.6	508.0
					279.0	15.8	10.5	19.5

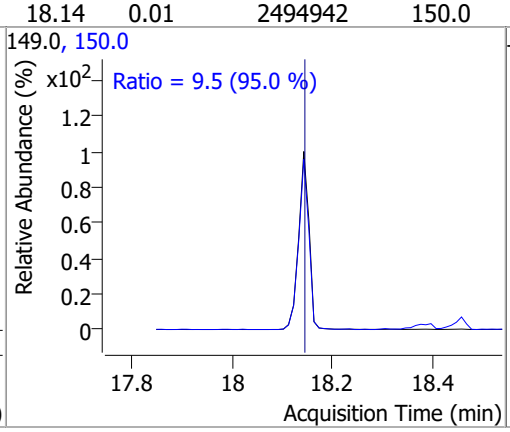


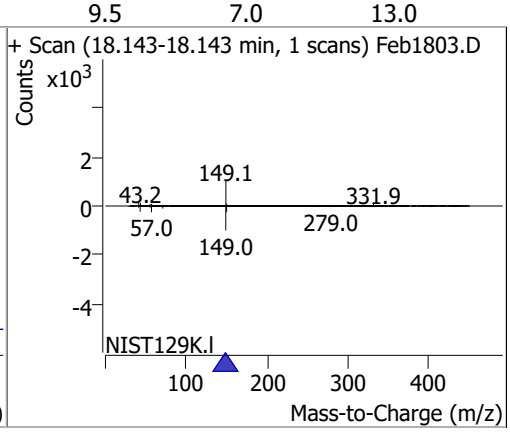




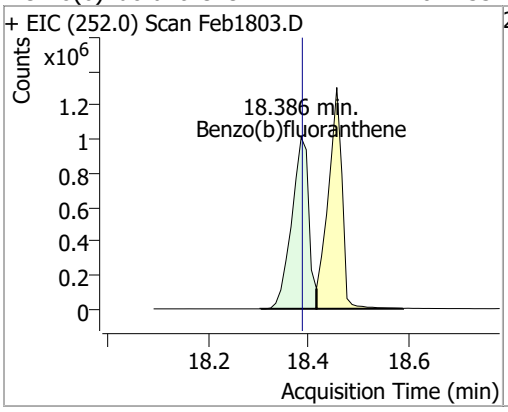
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	121.1100	18.14	0.01	2494942	150.0	9.5	7.0	13.0

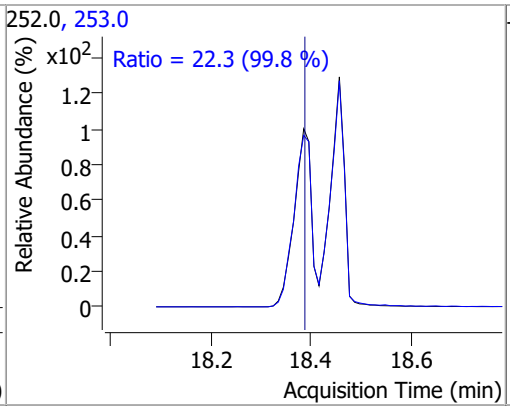


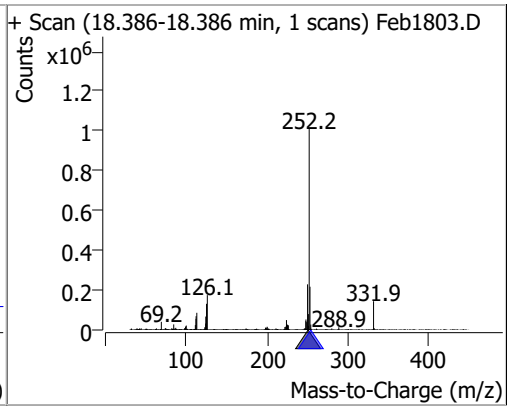




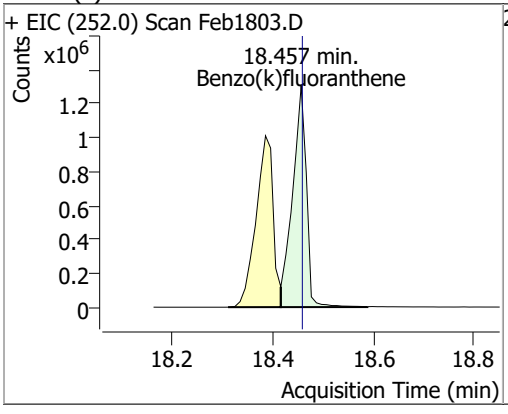
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	120.7133	18.39	0.01	2384843	253.0	22.3	15.6	29.0

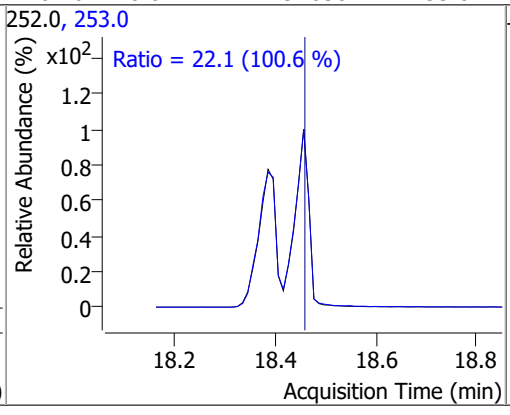


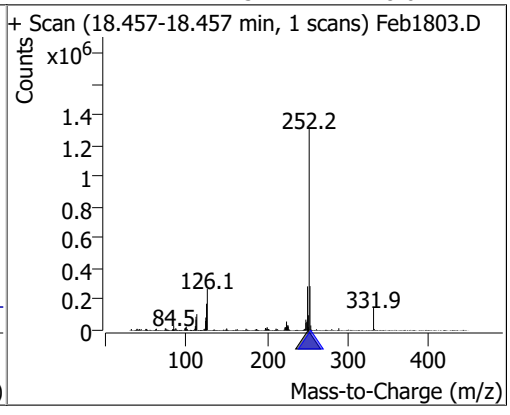




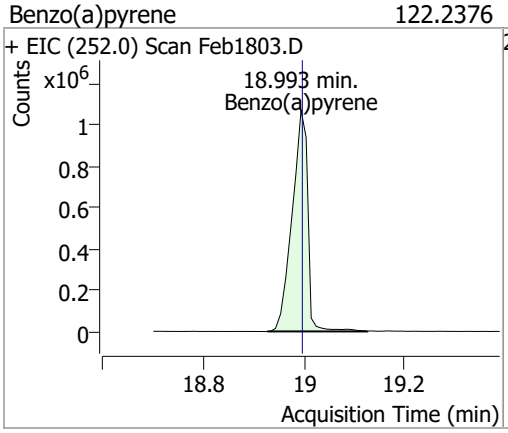
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	117.5947	18.46	0.01	2491030	253.0	22.1	15.4	28.6

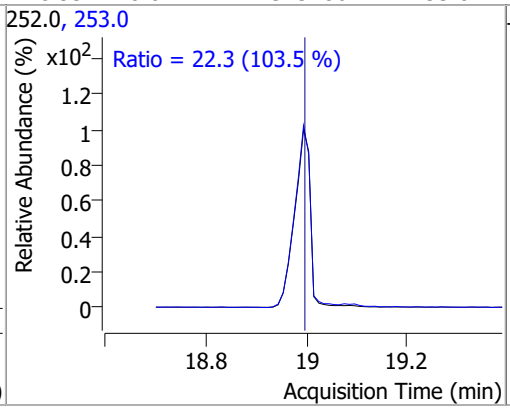


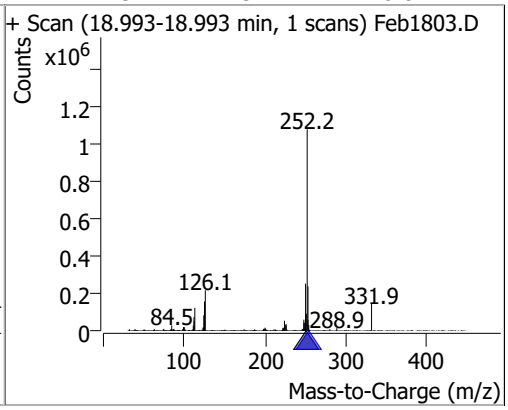




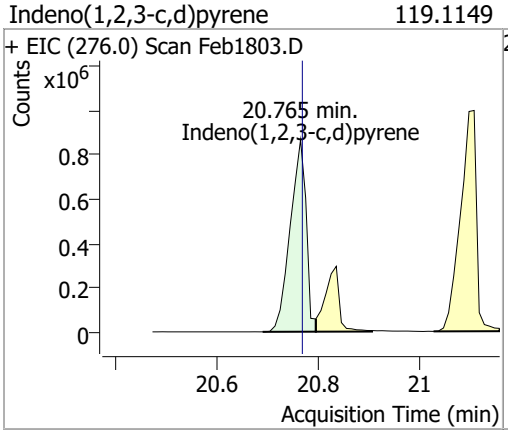
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	122.2376	18.99	0.01	2323286	253.0	22.3	15.1	28.0

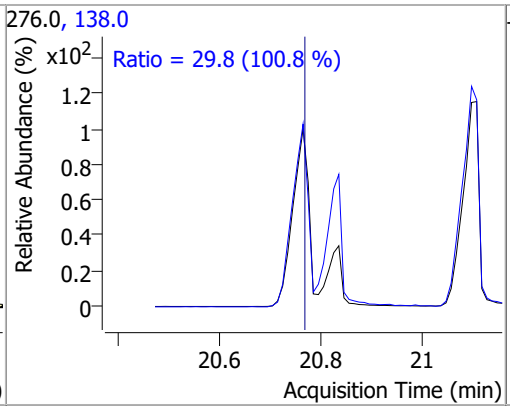


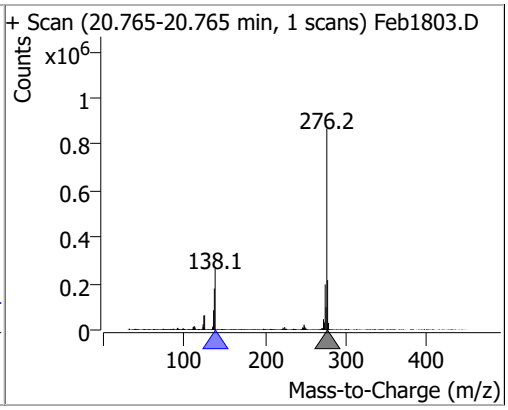




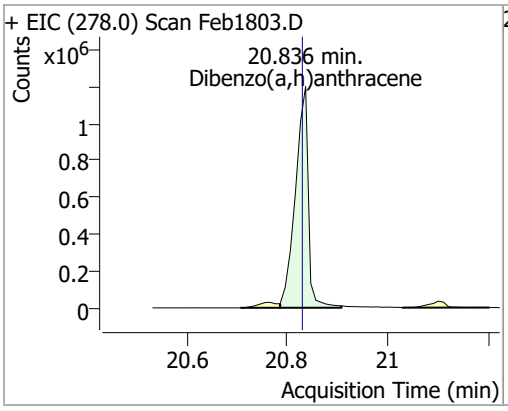
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	119.1149	20.77	0.01	1895312	138.0	29.8	20.7	38.5

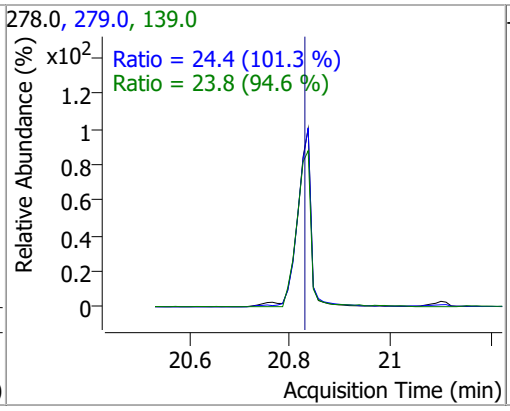


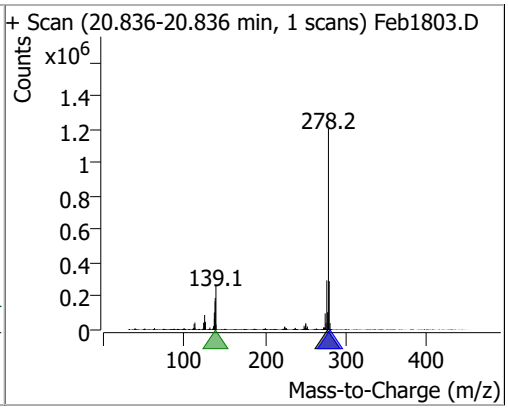




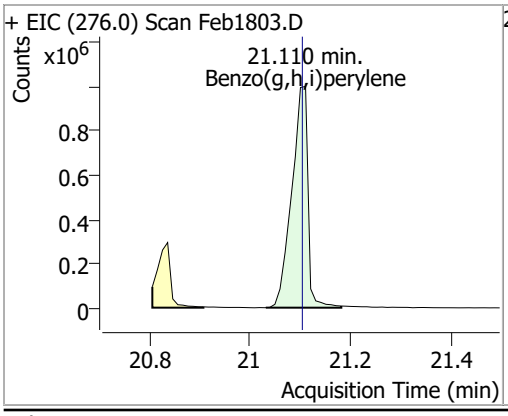
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	122.7774	20.84	0.02	2141448	139.0	23.8	17.6	32.7
					279.0	24.4	16.9	31.3

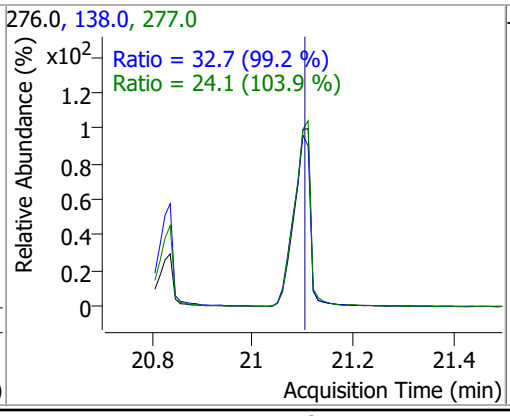


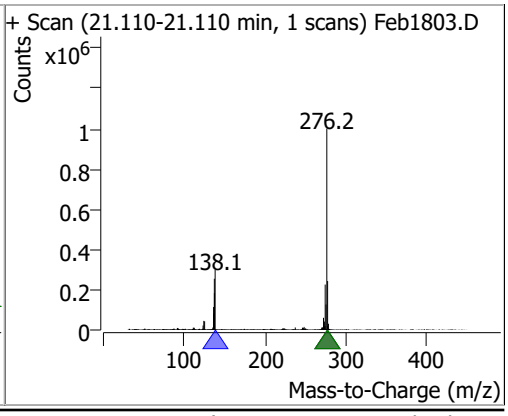




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	120.9102	21.11	0.02	2227367	138.0	32.7	23.1	42.9
					277.0	24.1	16.3	30.2

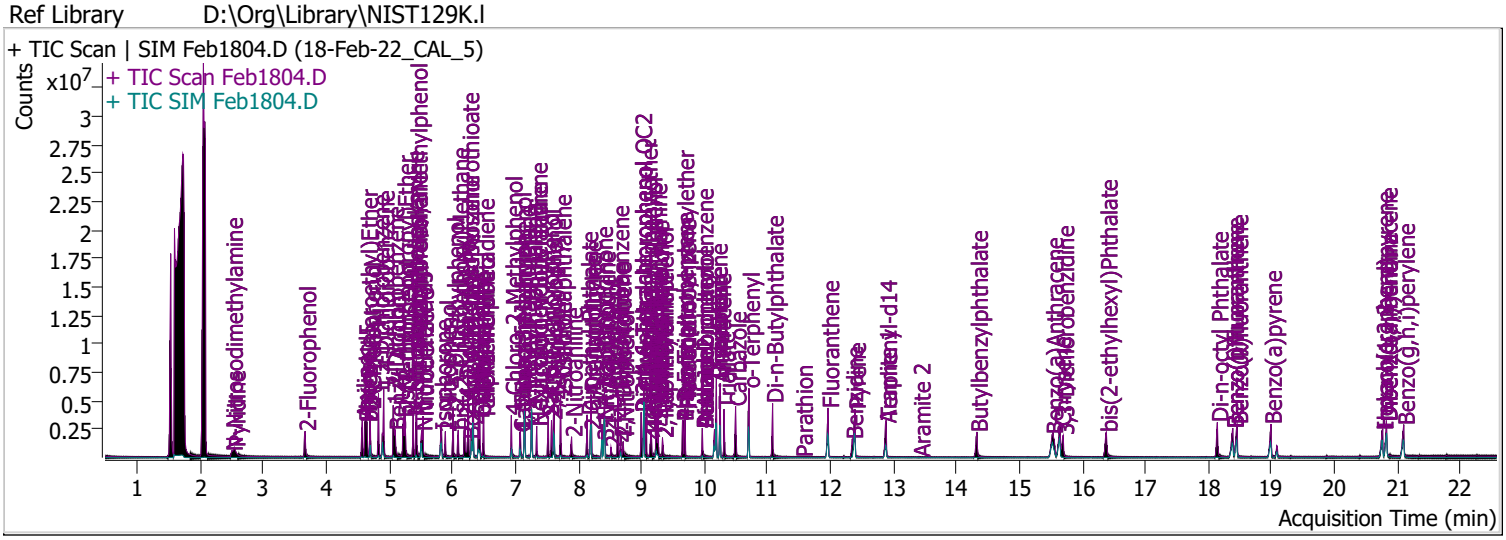






Quantitation Results Report (QT Reviewed)

Data File	Feb1804.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 9:25:44 AM
Sample Name	18-Feb-22_CAL_5	Instrument	Instrument #1
Vial	4	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



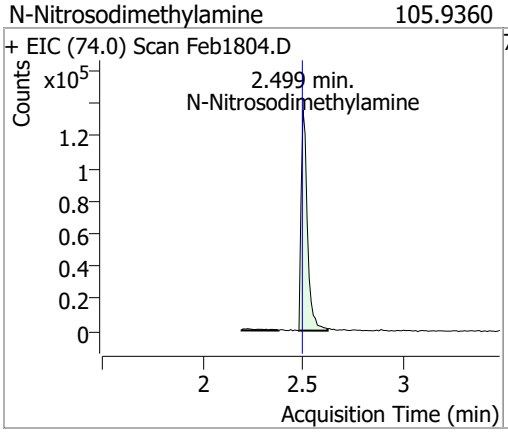
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.664	112.0	918079	103.4792	µg/L		0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 51.74%			
S Phenol-d5	4.613	99.0	1136511	101.5435	µg/L	m	0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 50.77%			
S Nitrobenzene-d5	5.512	82.0	649013	102.5700	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 102.57%		*	
S 2-Fluorobiphenyl	7.615	172.0	1829747	106.1193	µg/L		0.010
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 106.12%			
S 2,4,6-Tribromophenol	9.336	329.8	152661	102.0254	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 51.01%			
S Terphenyl-d14	12.885	244.3	1793874	100.6508	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 100.65%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.499	74.0	296474	105.9360	µg/L		90
T Pyridine	2.540	79.0	702486	102.8459	µg/L		100
T Aniline	4.573	93.0	1636257	103.4379	µg/L		98
T Phenol	4.634	94.0	1261120	100.5482	µg/L		98
T bis(-2-Chloroethyl)Ether	4.644	63.0	847990	100.8038	µg/L		99
T 2-Chlorophenol	4.695	128.0	1016794	103.2600	µg/L		100
T 1,3-Dichlorobenzene	4.828	146.0	1267074	101.7787	µg/L	m	99
T 1,4-Dichlorobenzene	4.910	146.0	1270219	102.7626	µg/L	m	98
T 1,2-Dichlorobenzene	5.063	146.0	1225154	100.9285	µg/L		99
T Benzyl Alcohol	5.093	108.0	549182	103.1727	µg/L	m	97
T bis(2-chloroisopropyl)Ether	5.226	121.0	335267	101.3600	µg/L		98
T 2-Methylphenol	5.247	107.0	896431	103.7891	µg/L		100
T N-nitroso-Di-n-propylamine	5.379	70.0	603850	98.7706	µg/L		99
T 4Methylphenol/3Methylphenol	5.430	107.0	1202844	103.0919	µg/L		100
T Hexachloroethane	5.430	117.0	396362	102.7056	µg/L		98

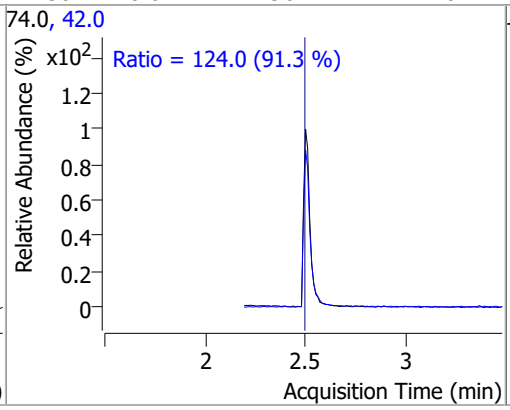
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.533	123.1	341039	110.5848	µg/L		97
T Isophorone	5.818	82.0	1526319	101.0151	µg/L		99
T 2-Nitrophenol	5.890	139.0	366947	103.6254	µg/L		98
T 2,4-Dimethylphenol	6.013	122.0	752268	109.8715	µg/L		97
T bis(-2-Chloroethoxy)Methane	6.095	93.0	893144	100.6447	µg/L		97
T 2,4-Dichlorophenol	6.198	162.0	688712	102.4517	µg/L		96
T Benzoic Acid	6.260	105.0	365591	96.0972	µg/L	#	89
T 1,2,4-Trichlorobenzene	6.249	180.0	795894	101.6643	µg/L		99
T Naphthalene	6.331	128.0	2385769	103.3531	µg/L		99
T 4-Chlorophenol	6.414	130.0	254245	101.0255	µg/L		91
T p-Chloroaniline	6.434	127.0	893838	97.2096	µg/L		95
T Hexachlorobutadiene	6.496	224.9	432772	103.4520	µg/L		97
T 4-Chloro-2-Methylphenol	6.937	107.0	635015	103.7577	µg/L	m	96
T 4-Chloro-3-Methylphenol	7.081	107.0	646645	99.9334	µg/L	m	98
T 2-Methylnaphthalene	7.153	141.0	1357670	99.7838	µg/L		98
T 1-Methylnaphthalene	7.256	141.0	1279557	97.0856	µg/L	m	98
T Hexachlorocyclopentadiene	7.338	236.9	260879	105.4390	µg/L		100
T 2,4,6-Trichlorophenol	7.523	196.0	467130	108.6677	µg/L	m	96
T 2,4,5-Trichlorophenol	7.574	196.0	481776	100.8451	µg/L	m	95
T 2-Chloronaphthalene	7.718	162.0	1444367	99.9274	µg/L		98
T 2-Nitroaniline	7.892	65.0	286563	109.6150	µg/L		97
T Dimethyl Phthalate	8.139	163.0	1483564	100.1141	µg/L		96
T 2,6-Dinitrotoluene	8.190	165.0	197597	98.5084	µg/L		94
T Acenaphthylene	8.200	152.1	2278175	98.7406	µg/L		98
T 3-Nitroaniline	8.395	138.0	233884	100.9236	µg/L		99
T Acenaphthene	8.415	154.0	1278423	97.8035	µg/L		99
T 2,4-Dinitrophenol	8.517	184.0	112195	103.5995	µg/L		96
T Dibenzofuran	8.630	168.0	2138324	101.0591	µg/L		96
T 2,4-Dinitrotoluene	8.671	165.0	261377	100.9400	µg/L		99
T 4-Nitrophenol	8.712	109.0	258897	102.3911	µg/L		99
T Diethylphthalate	8.998	149.0	1525106	99.0409	µg/L		99
T Fluorene	9.039	166.0	1700560	98.6614	µg/L		99
T 4-Chlorophenyl-phenylether	9.080	204.0	840611	105.9893	µg/L		99
T 4-Nitroaniline	9.152	138.0	289316	112.8801	µg/L		99
T 4,6-Dinitro-2-methylphenol	9.162	198.0	167223	104.4162	µg/L		98
T N-nitrosodiphenylamine	9.233	169.0	1196082	102.0740	µg/L		100
T Azobenzene	9.264	77.0	1518549	96.5318	µg/L		94
T 4-Bromophenyl-phenylether	9.663	248.0	457731	100.8595	µg/L		95
T Hexachlorobenzene	9.694	283.9	488673	109.2193	µg/L		97
T Pentachlorophenol	9.968	265.9	233937	105.1758	µg/L		96
T Phenanthrene	10.191	178.0	2584992	109.2336	µg/L		99
T Anthracene	10.252	178.0	2471452	108.1091	µg/L	m	100
T Triallate	10.313	86.0	570358	101.0679	µg/L		99
T Carbazole	10.495	167.0	2334657	100.3730	µg/L		98
T o-Terphenyl	10.708	230.0	1358973	106.4761	µg/L		98
T Di-n-Butylphthalate	11.082	149.0	2379296	103.4746	µg/L		99
T Fluoranthene	11.964	202.0	2487478	102.2753	µg/L		100
T Benzidine	12.349	184.0	841681	101.7540	µg/L		99
T Pyrene	12.389	202.0	2716593	102.8837	µg/L		98
T Butylbenzylphthalate	14.326	149.0	817626	102.9690	µg/L		98
T Benzo(a)Anthracene	15.522	228.0	2034255	104.0334	µg/L		99
T Chrysene	15.645	228.0	2211531	102.0757	µg/L		98
T 3,3-Dichlorobenzidine	15.696	252.0	749360	103.7644	µg/L		99
T bis(2-ethylhexyl)Phthalate	16.381	167.0	275164	100.9022	µg/L		98
T Di-n-octyl Phthalate	18.143	149.0	1958854	104.0154	µg/L		100

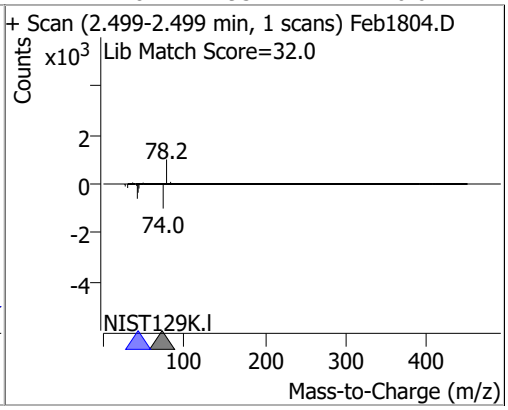
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.386	252.0	1951128	102.0750	µg/L	100
T Benzo(k)fluoranthene	18.457	252.0	2129075	104.8718	µg/L	99
T Benzo(a)pyrene	18.993	252.0	1849719	101.2295	µg/L	98
T Indeno(1,2,3-c,d)pyrene	20.765	276.0	1633072	106.8898	µg/L	98
T Dibenzo(a,h)anthracene	20.826	278.0	1675258	100.1029	µg/L	100
T Benzo(g,h,i)perylene	21.100	276.0	1825037	103.2475	µg/L	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

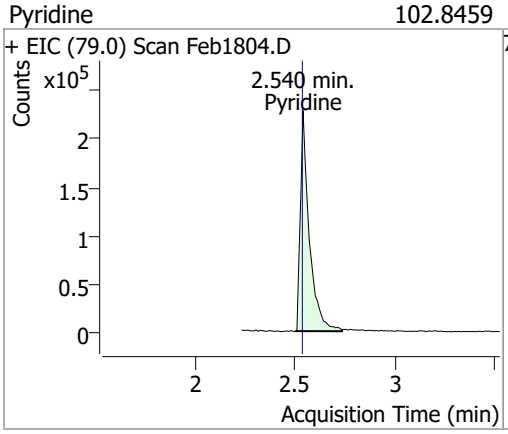
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	105.9360	2.50	0.01	296474	42.0	124.0	95.1	176.6

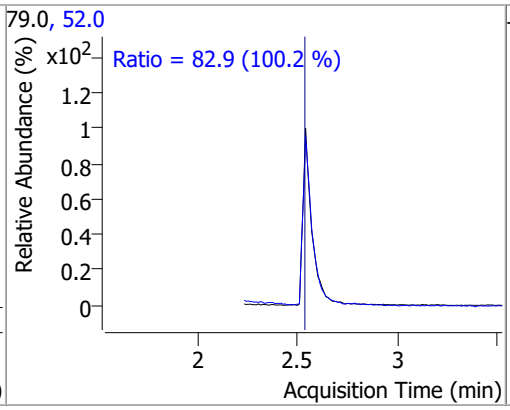


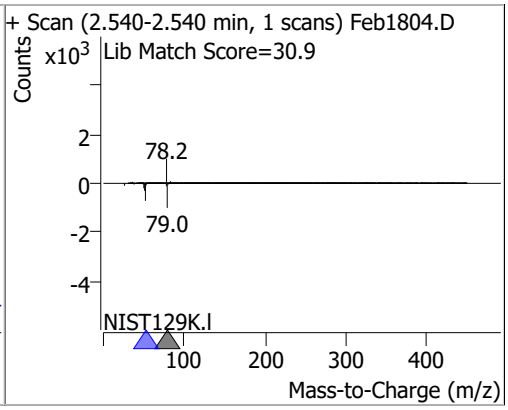




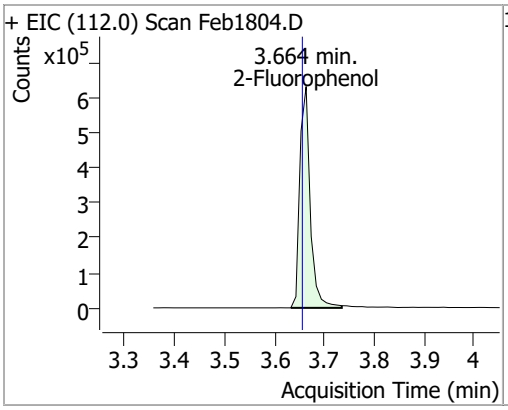
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	102.8459	2.54	0.01	702486	52.0	82.9	57.9	107.6

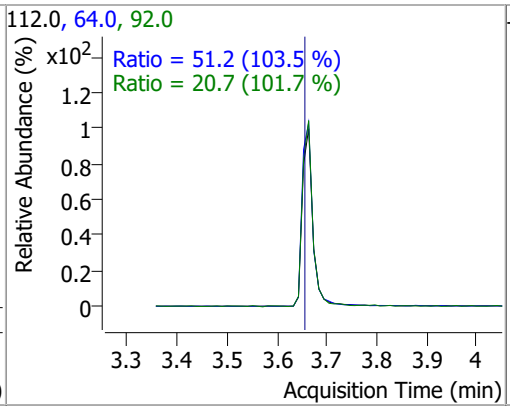


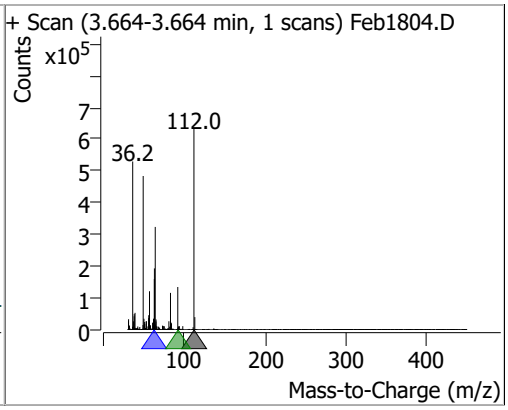




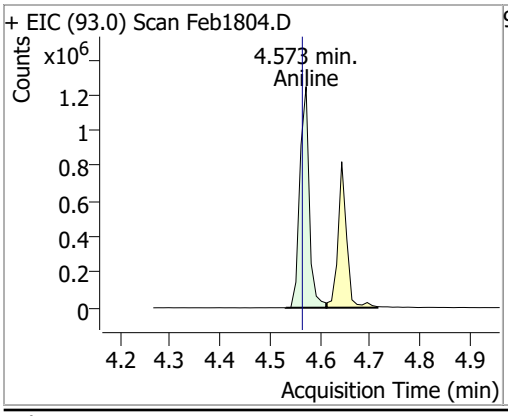
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	103.4792	3.66	0.01	918079	64.0	51.2	34.6	64.3
					92.0	20.7	14.2	26.5

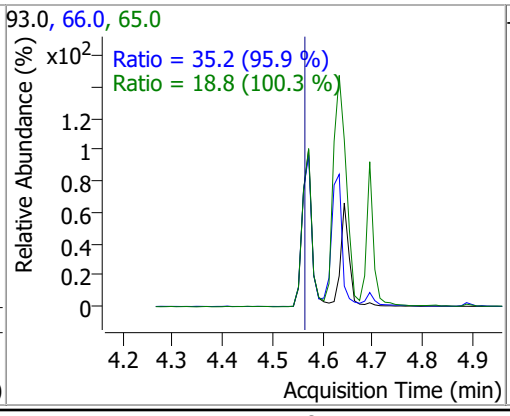


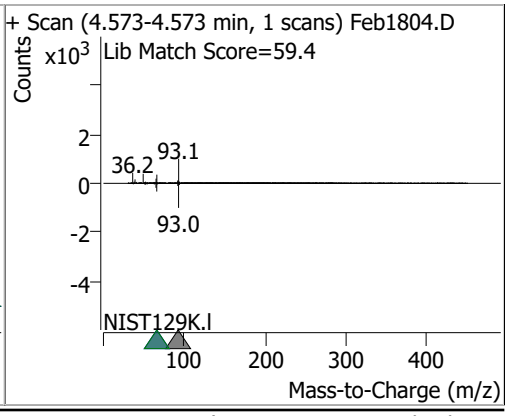




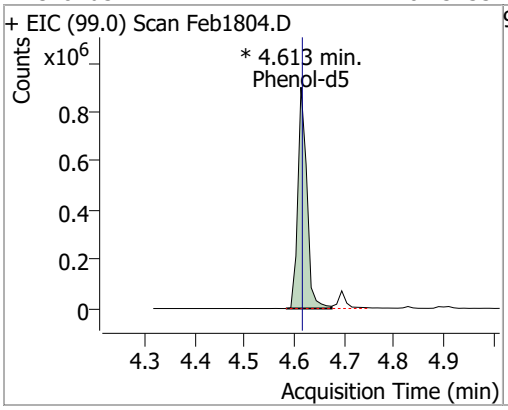
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	103.4379	4.57	0.01	1636257	66.0	35.2	25.7	47.8
					65.0	18.8	13.1	24.4

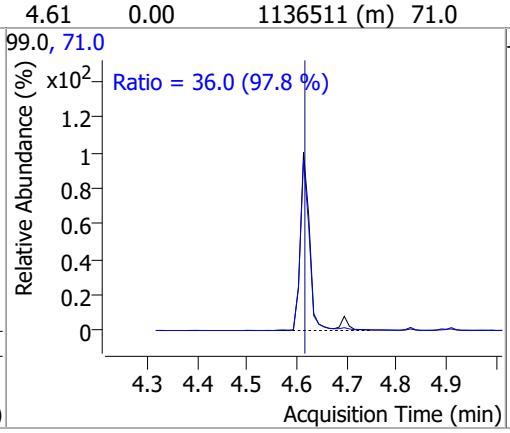


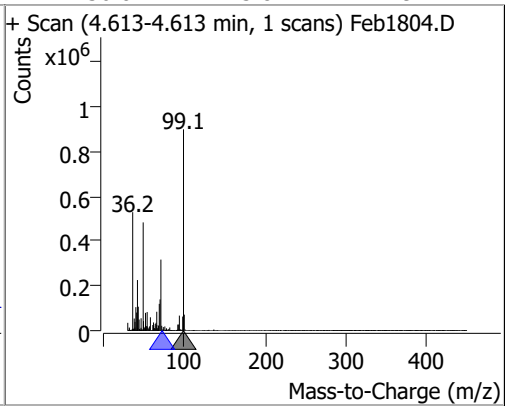




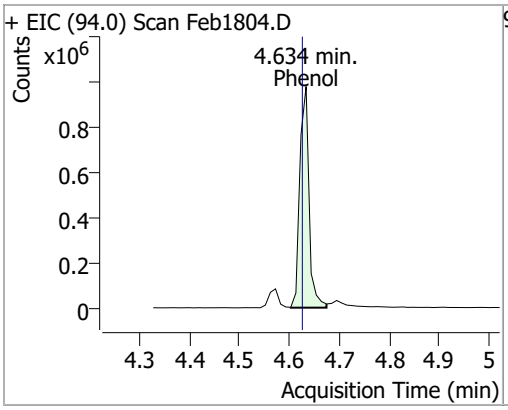
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	101.5435	4.61	0.00	1136511 (m)	71.0	36.0	25.8	47.9

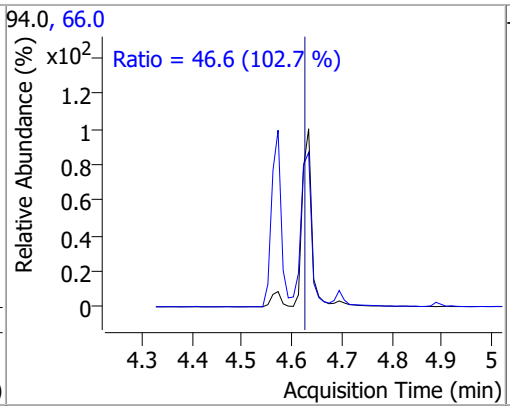


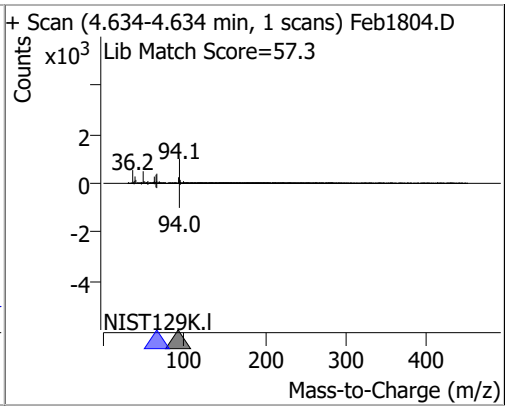




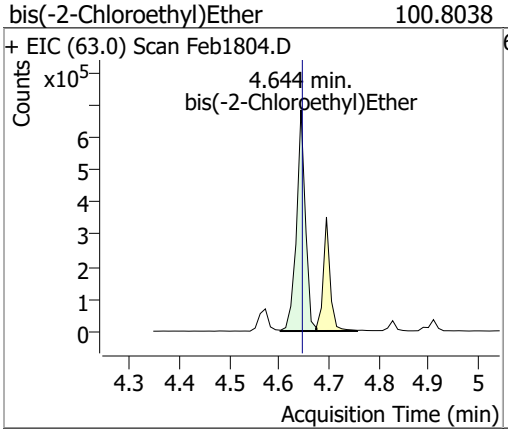
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	100.5482	4.63	0.01	1261120	66.0	46.6	31.7	58.9

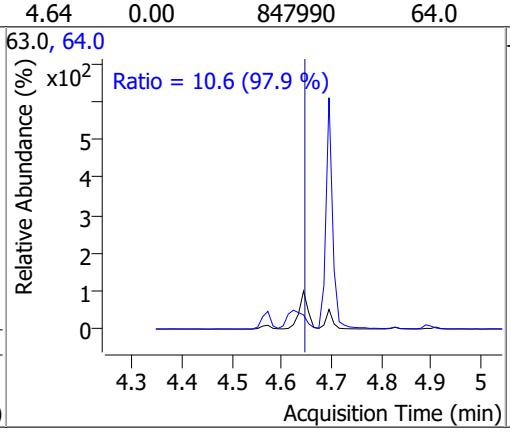


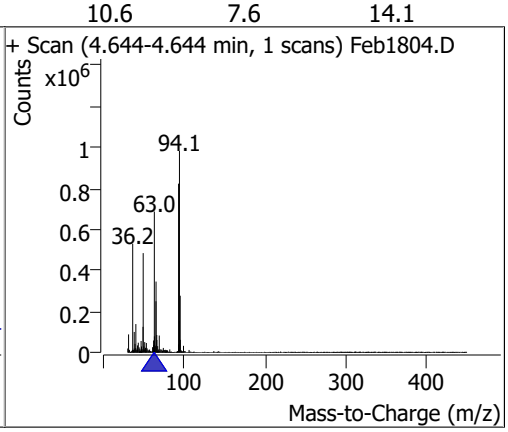




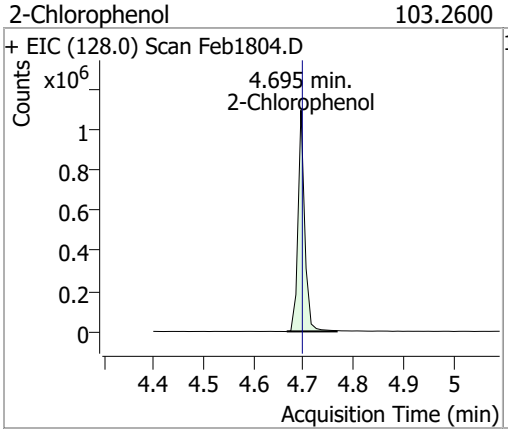
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	100.8038	4.64	0.00	847990	64.0	10.6	7.6	14.1

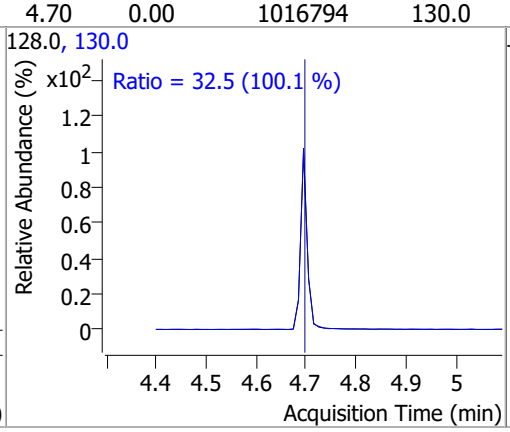


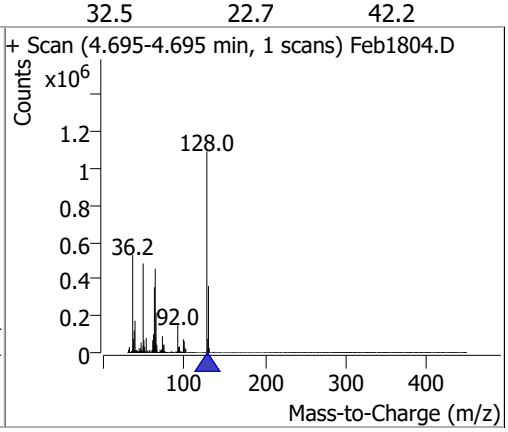




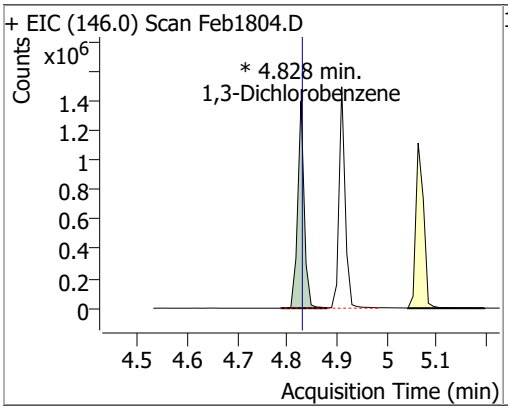
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	103.2600	4.70	0.00	1016794	130.0	32.5	22.7	42.2

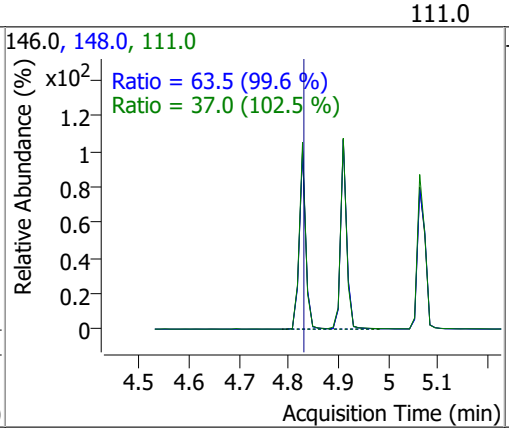


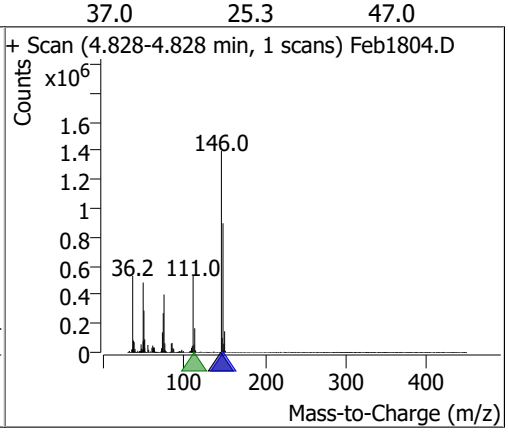




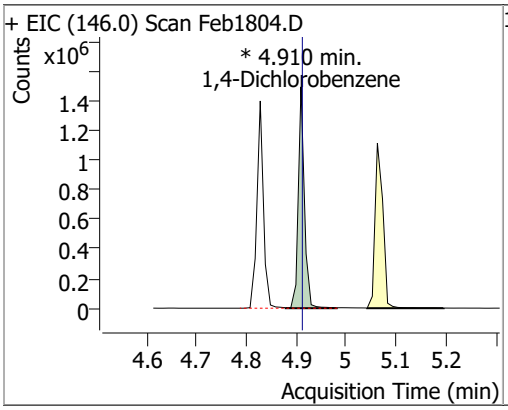
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	101.7787	4.83	0.00	1267074 (m)	148.0	63.5	44.6	82.8
					111.0	37.0	25.3	47.0

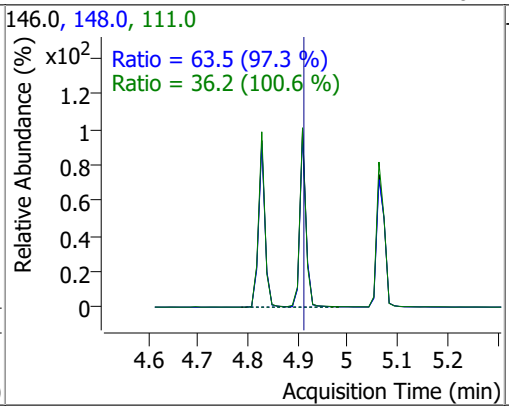


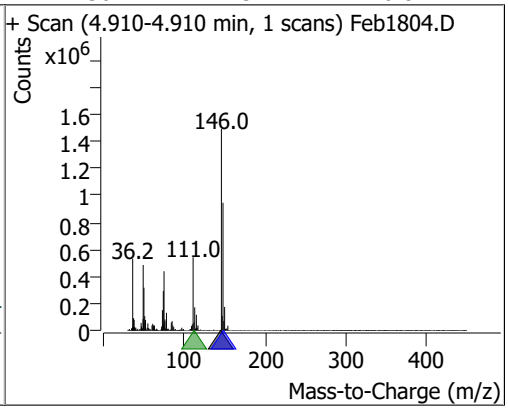




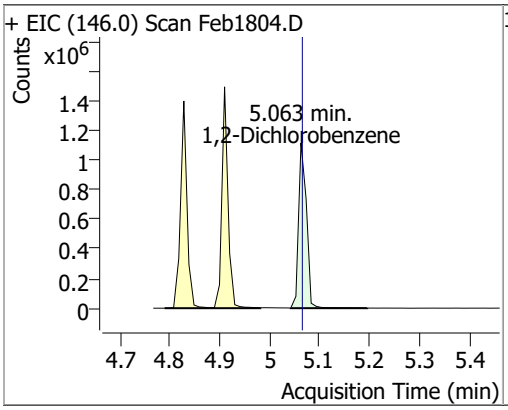
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	102.7626	4.91	0.00	1270219 (m)	148.0	63.5	45.6	84.8
					111.0	36.2	25.2	46.8

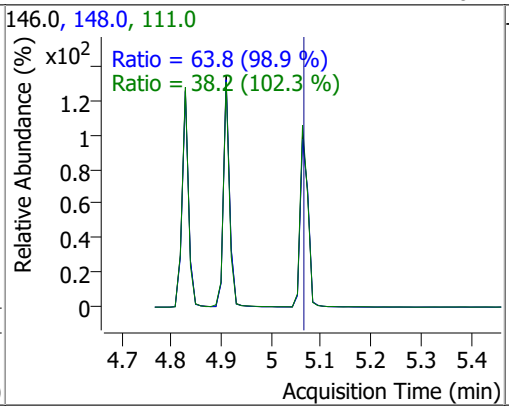


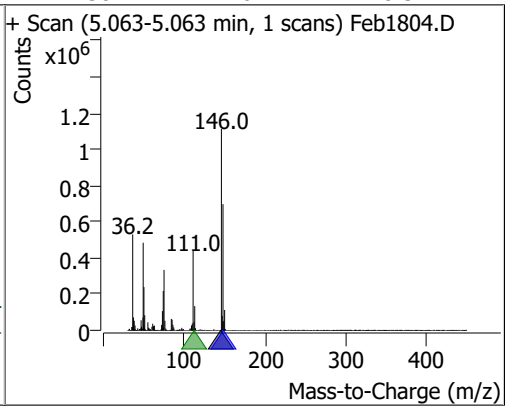




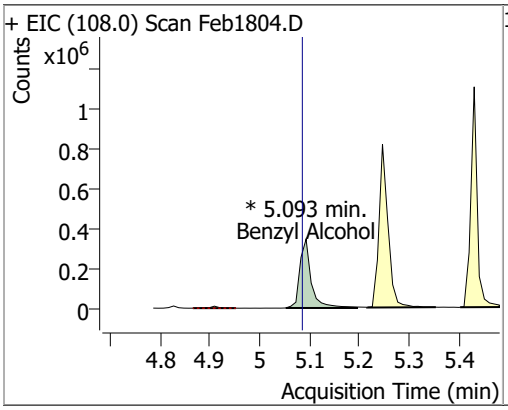
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	100.9285	5.06	0.00	1225154	148.0	63.8	45.1	83.8
					111.0	38.2	26.1	48.5

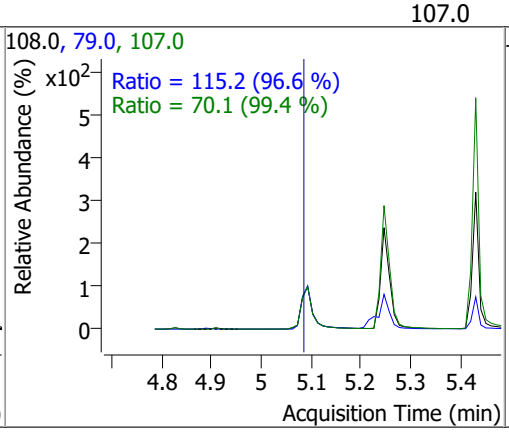


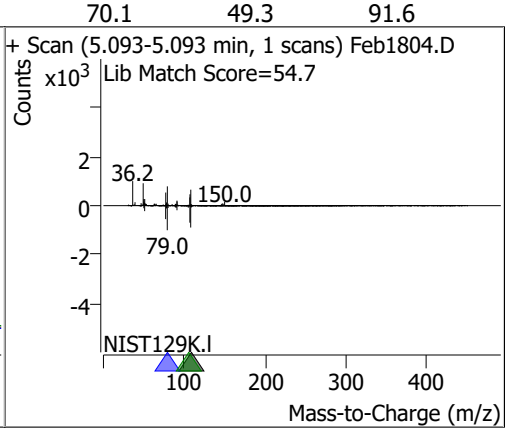




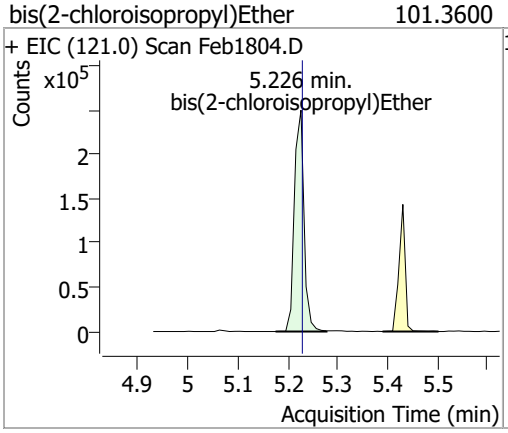
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	103.1727	5.09	0.01	549182 (m)	79.0	115.2	83.5	155.1
					107.0	70.1	49.3	91.6

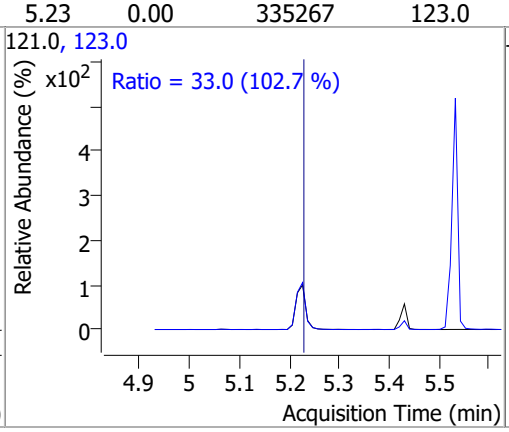


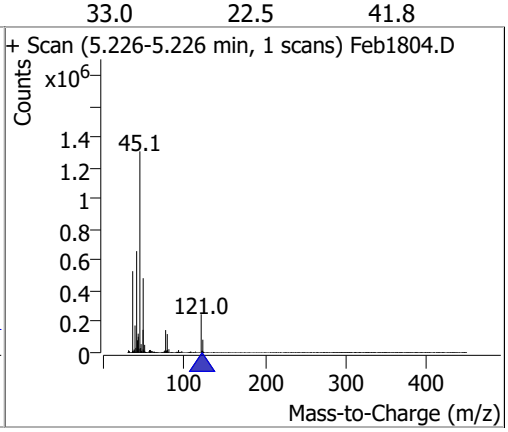




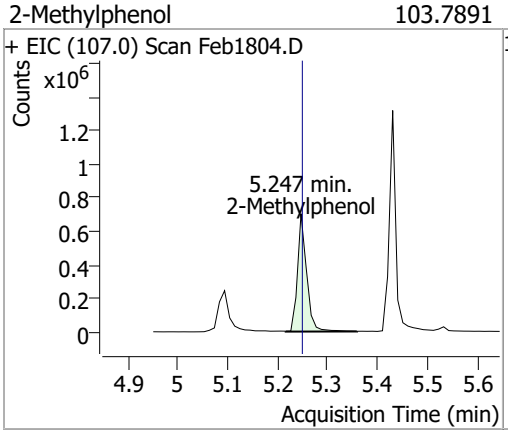
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	101.3600	5.23	0.00	335267	123.0	33.0	22.5	41.8

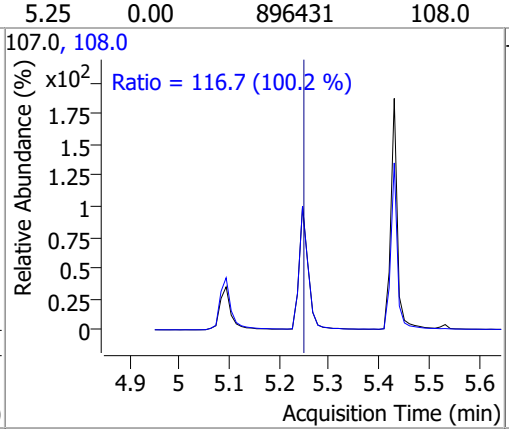


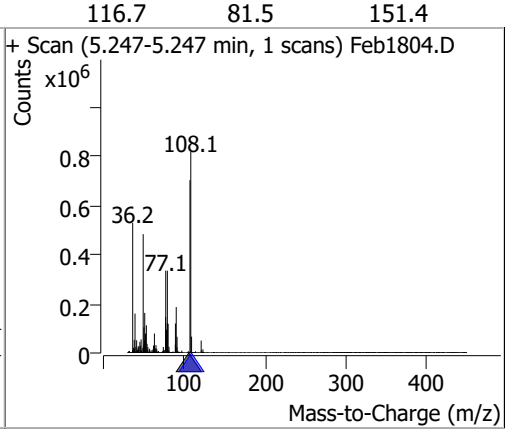




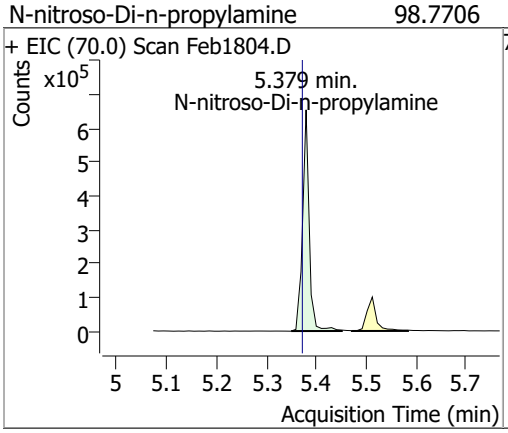
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	103.7891	5.25	0.00	896431	108.0	116.7	81.5	151.4

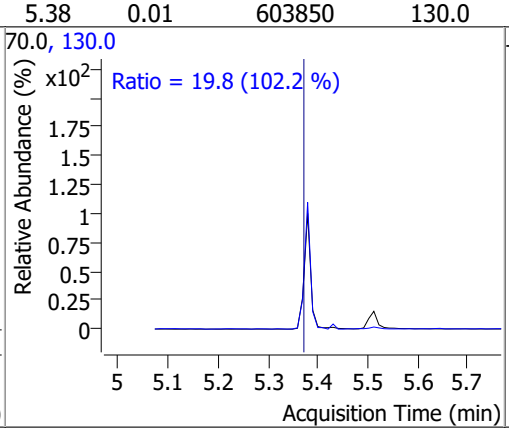


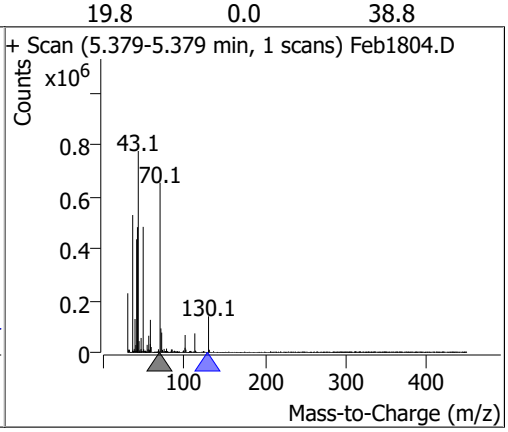




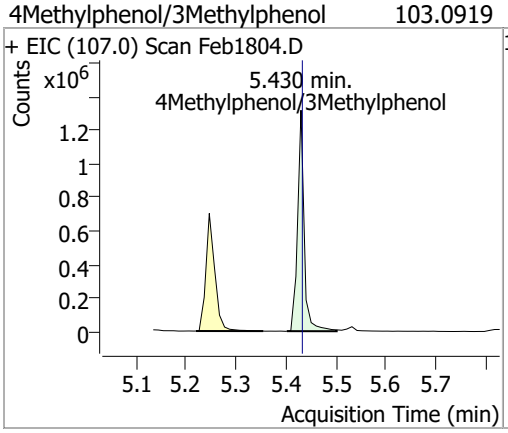
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	98.7706	5.38	0.01	603850	130.0	19.8	0.0	38.8

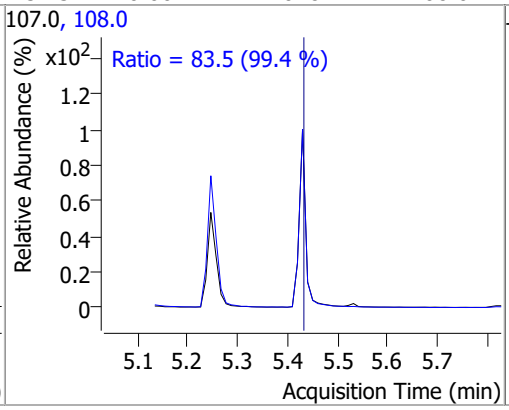


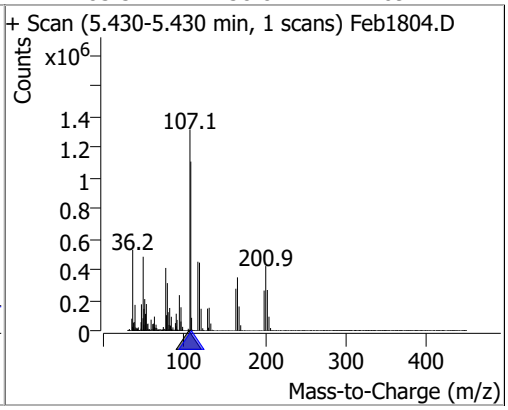




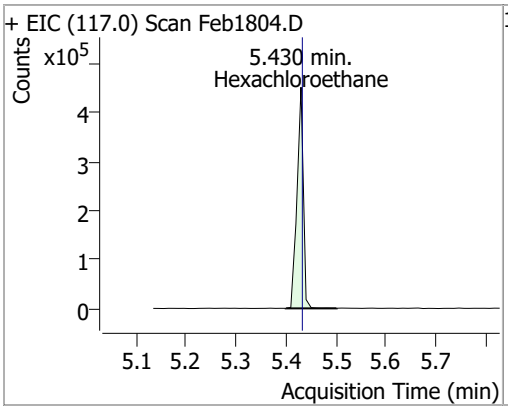
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	103.0919	5.43	0.00	1202844	108.0	83.5	58.8	109.1

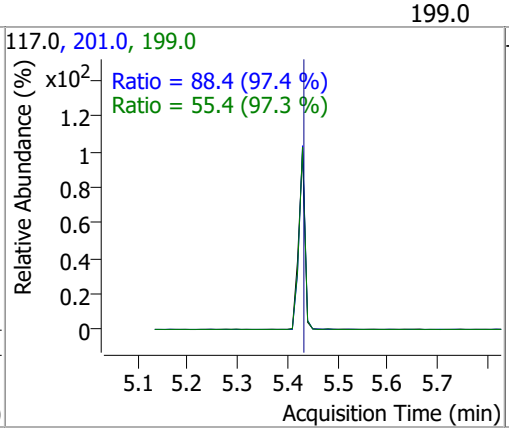


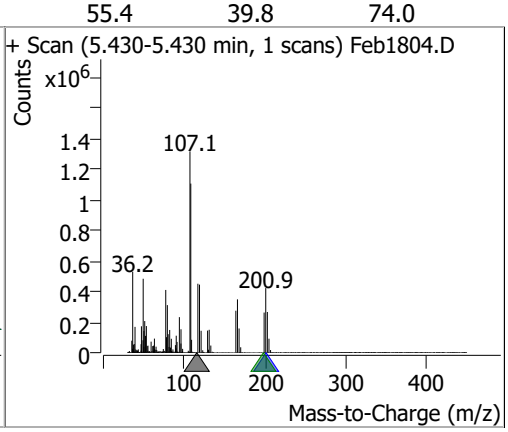




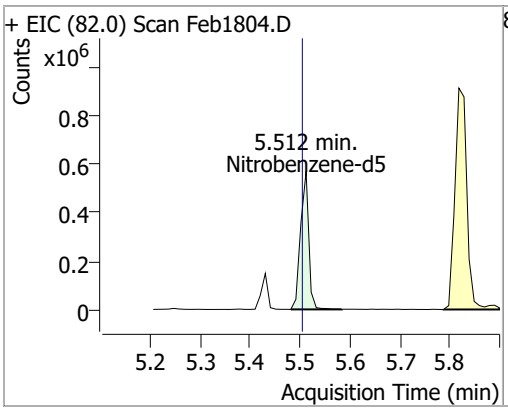
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	102.7056	5.43	0.00	396362	201.0	88.4	63.5	118.0
					199.0	55.4	39.8	74.0

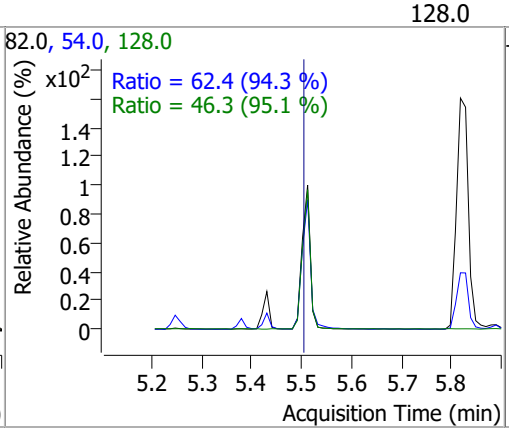


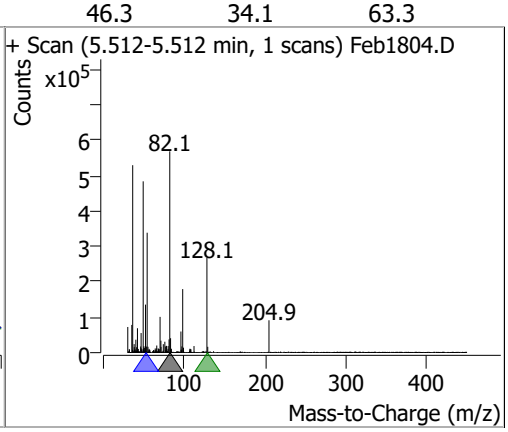




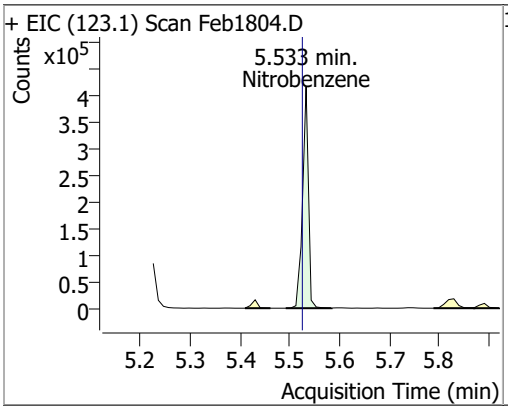
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	102.5700	5.51	0.01	649013	54.0	62.4	46.3	86.0
					128.0	46.3	34.1	63.3

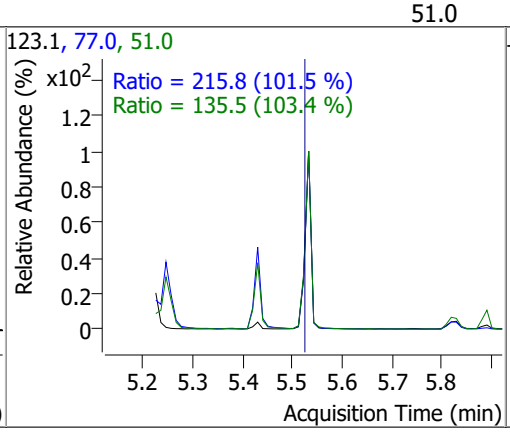


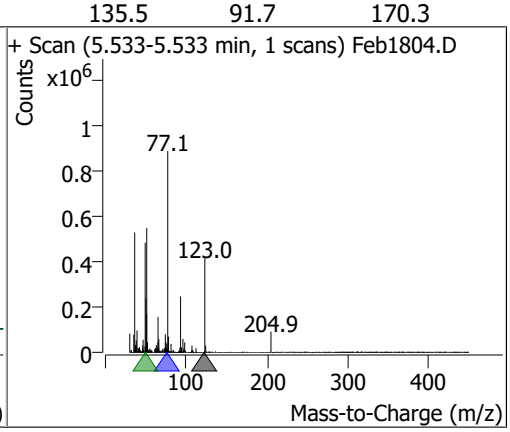




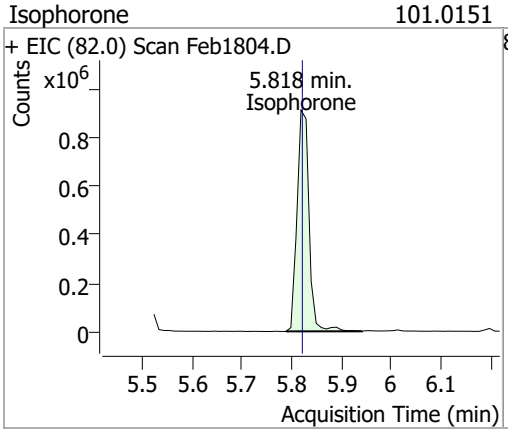
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	110.5848	5.53	0.01	341039	77.0	215.8	148.9	276.5
					51.0	135.5	91.7	170.3

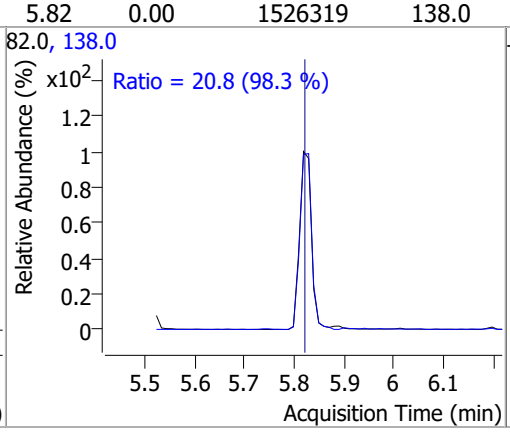


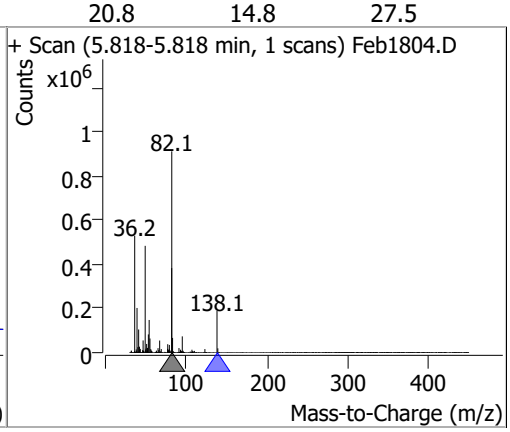




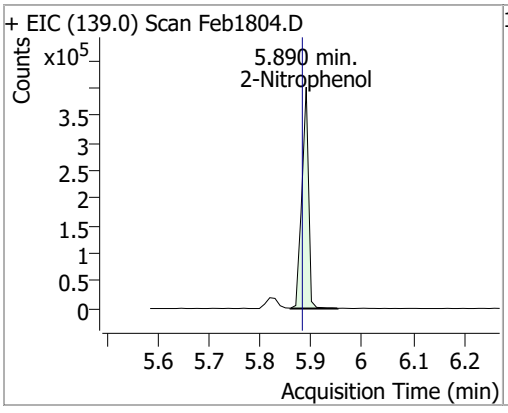
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	101.0151	5.82	0.00	1526319	138.0	20.8	14.8	27.5

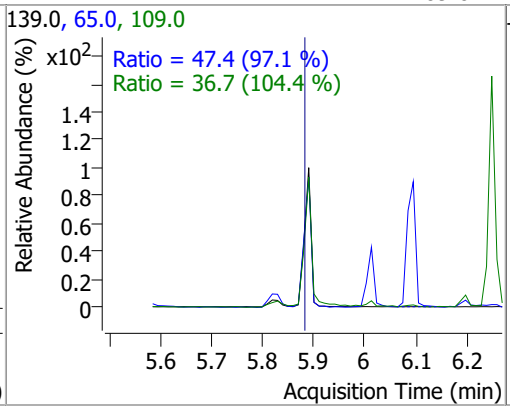


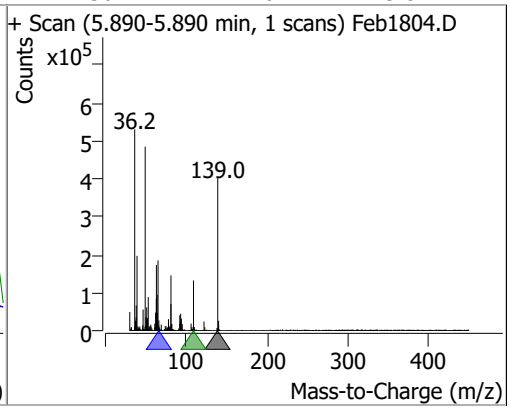




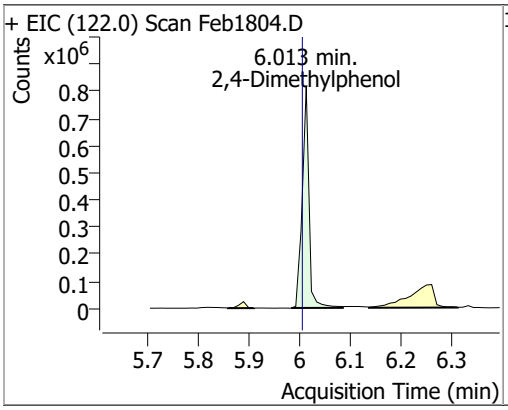
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	103.6254	5.89	0.01	366947	65.0	47.4	34.2	63.4
					109.0	36.7	24.6	45.8

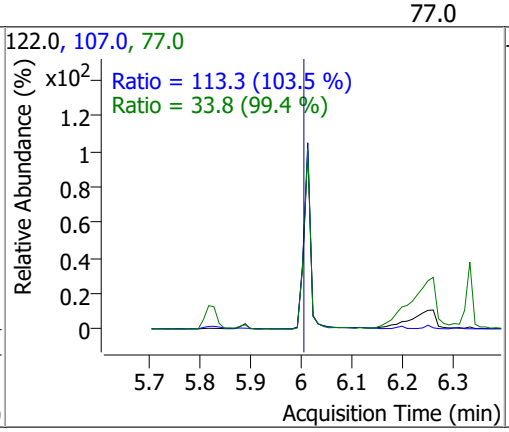


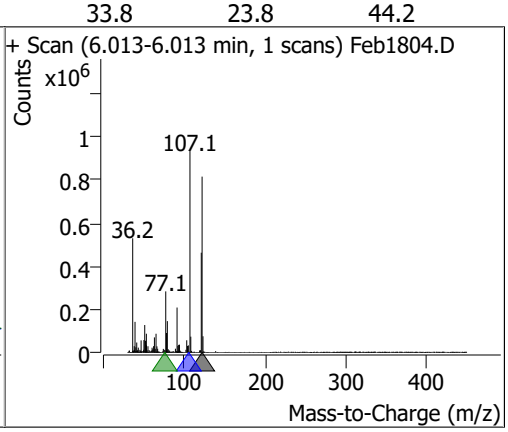




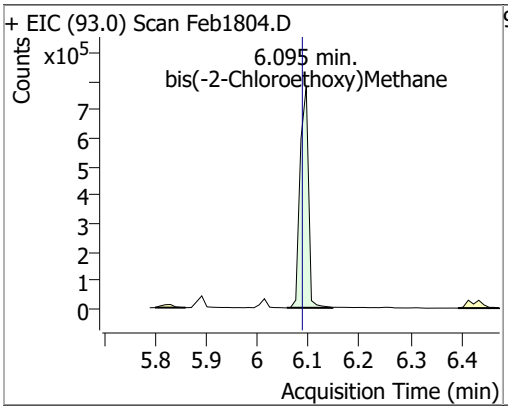
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	109.8715	6.01	0.01	752268	107.0	113.3	76.6	142.3
					77.0	33.8	23.8	44.2

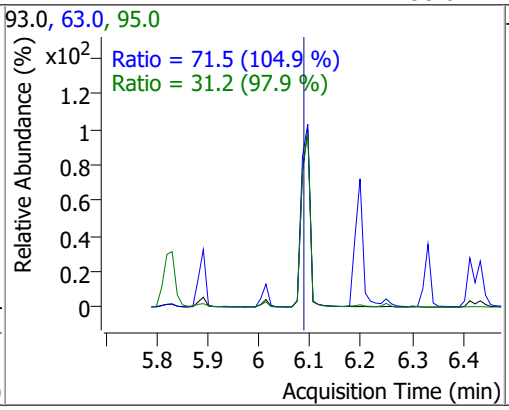


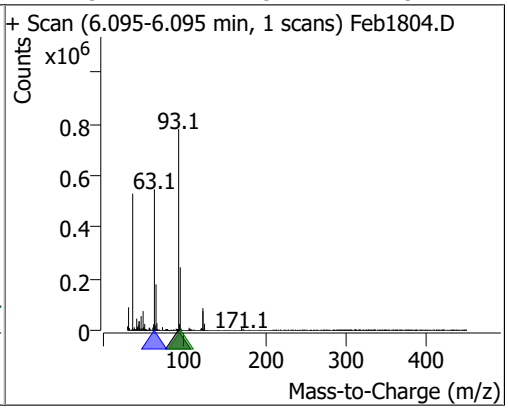




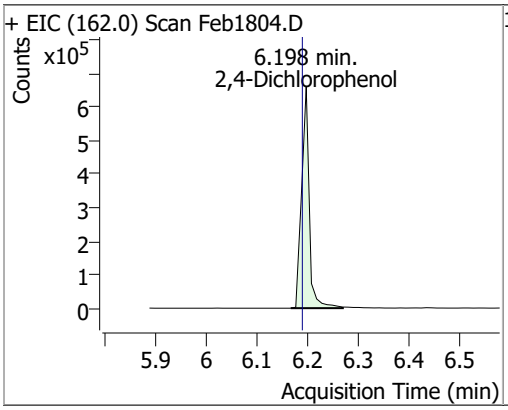
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	100.6447	6.10	0.01	893144	63.0	71.5	47.7	88.6
					95.0	31.2	22.3	41.5

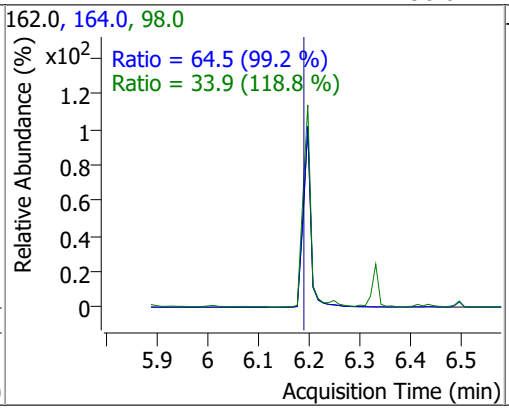


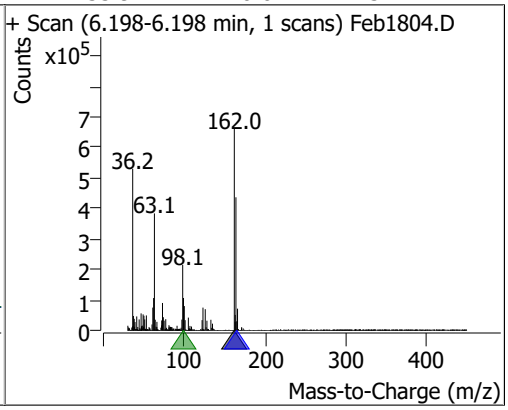




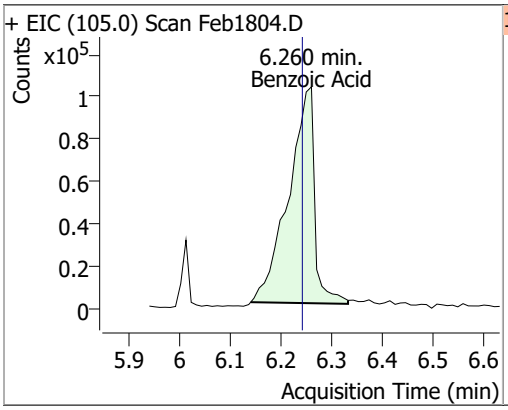
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	102.4517	6.20	0.01	688712	164.0	64.5	45.5	84.5
					98.0	33.9	20.0	37.1

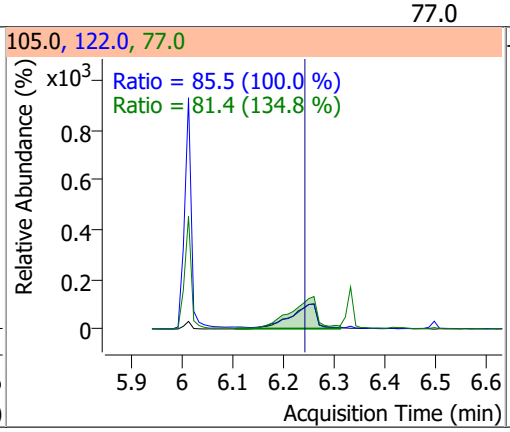


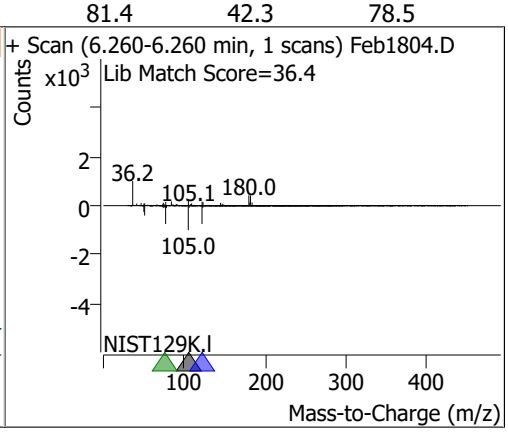




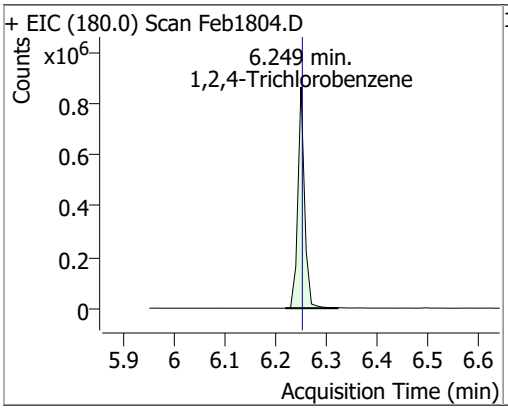
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	96.0972	6.26	0.02	365591	122.0	85.5	59.9	111.2
					77.0	81.4	42.3	78.5

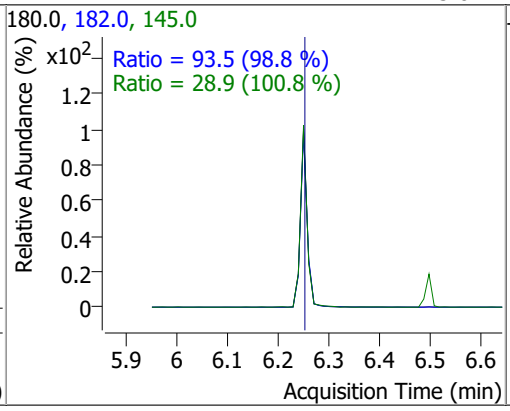


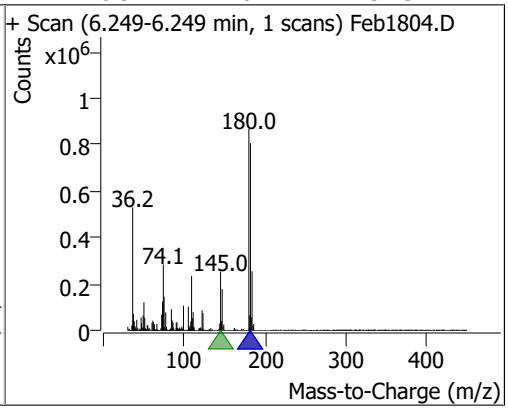




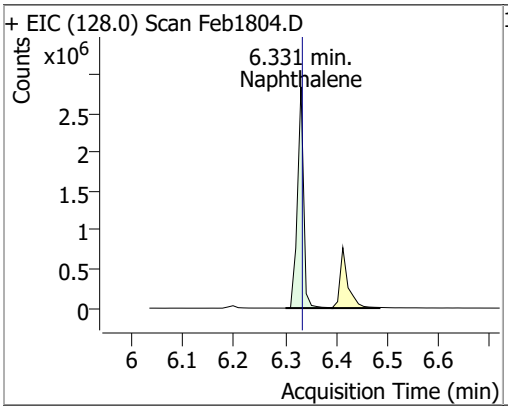
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	101.6643	6.25	0.00	795894	182.0	93.5	66.2	122.9
					145.0	28.9	20.1	37.3

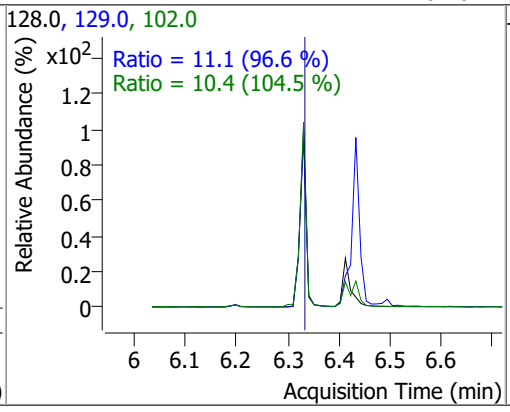


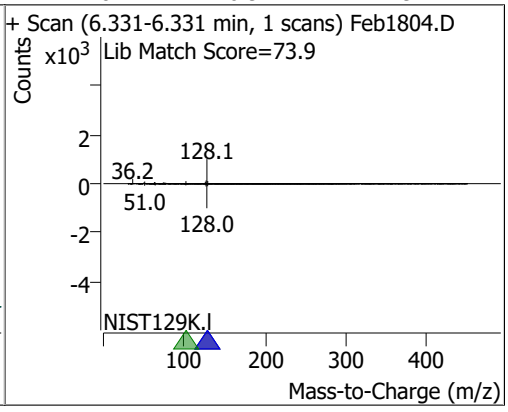




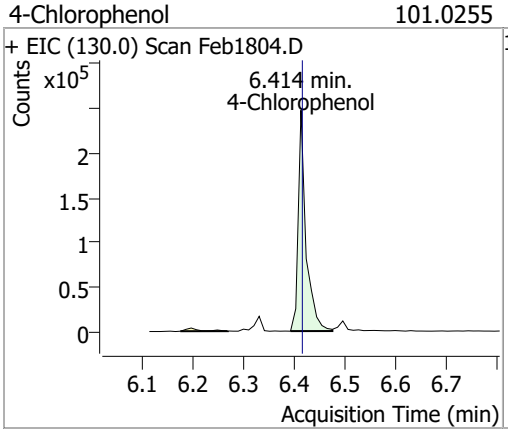
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	103.3531	6.33	0.00	2385769	129.0	11.1	8.0	14.9
					102.0	10.4	6.9	12.9

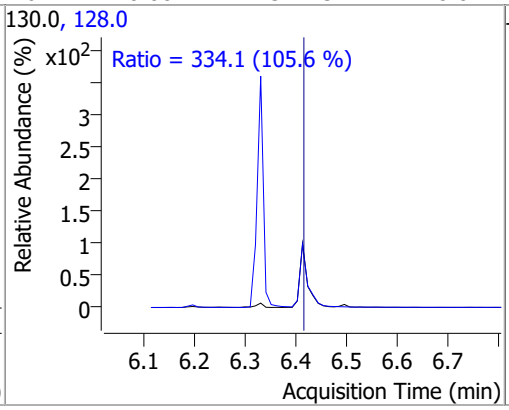


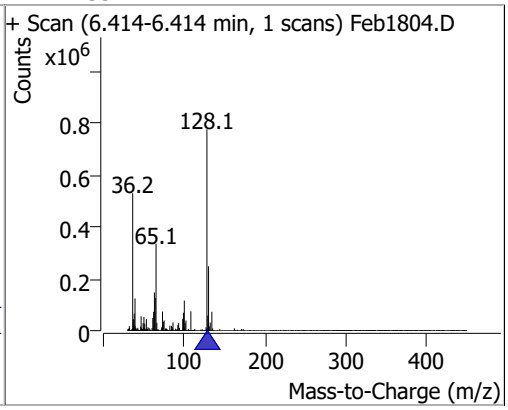




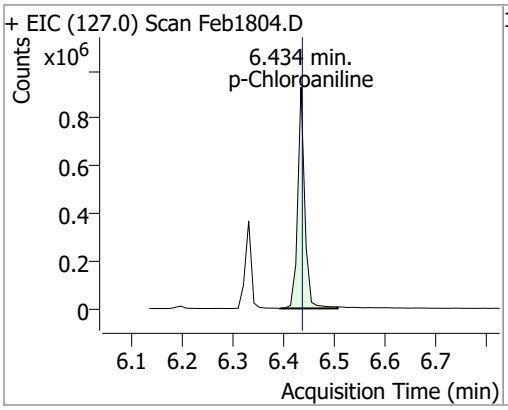
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	101.0255	6.41	0.00	254245	128.0	334.1	221.4	411.2

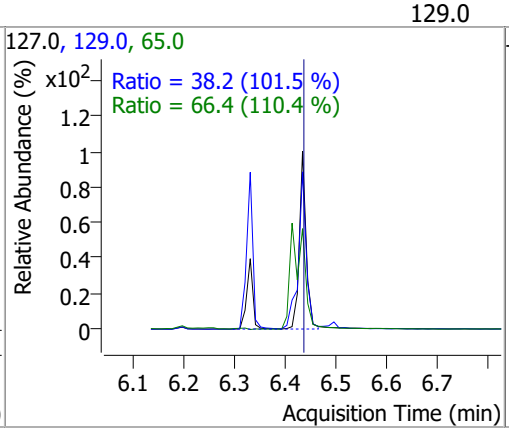


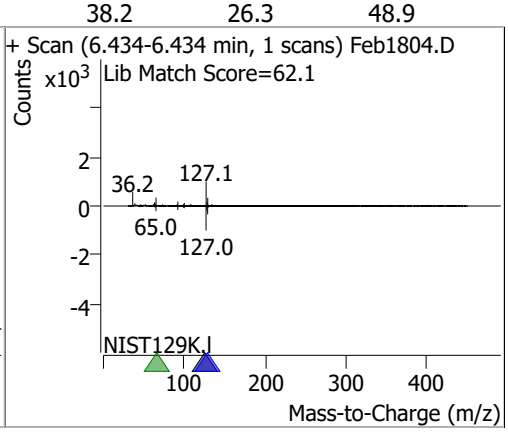




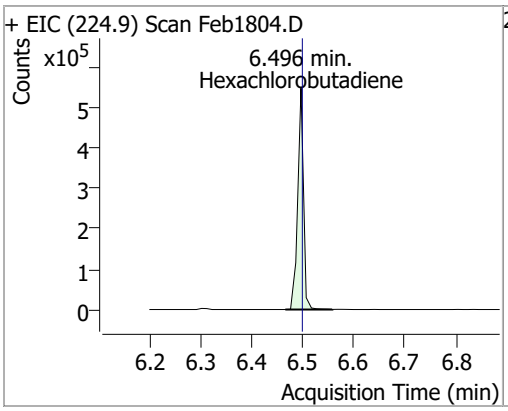
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	97.2096	6.43	0.00	893838	65.0	66.4	42.1	78.2
					129.0	38.2	26.3	48.9

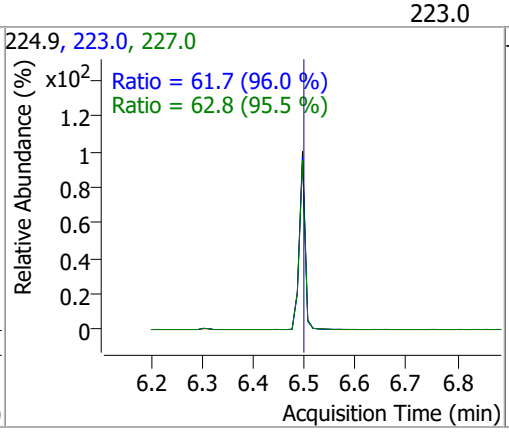


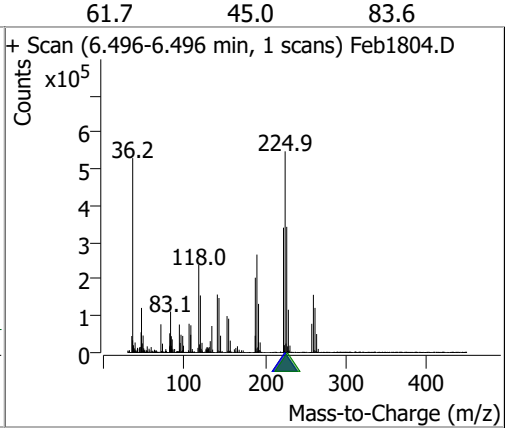




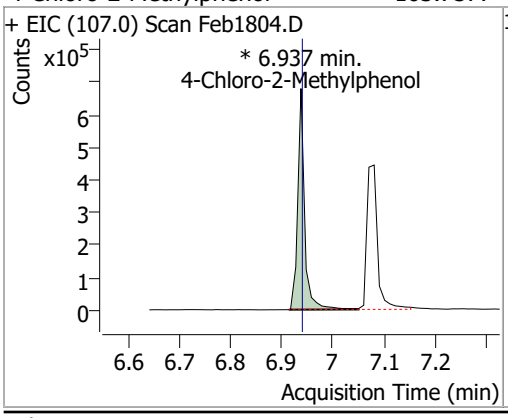
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	103.4520	6.50	0.00	432772	227.0	62.8	46.0	85.4
					223.0	61.7	45.0	83.6

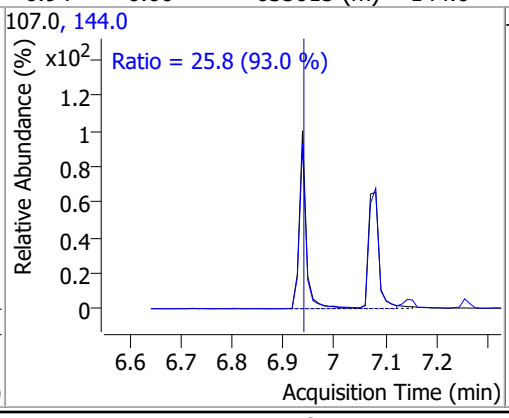


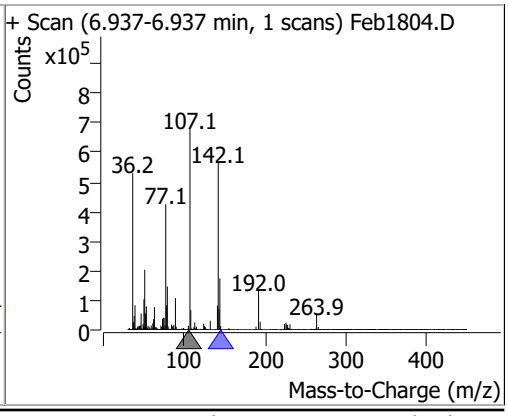




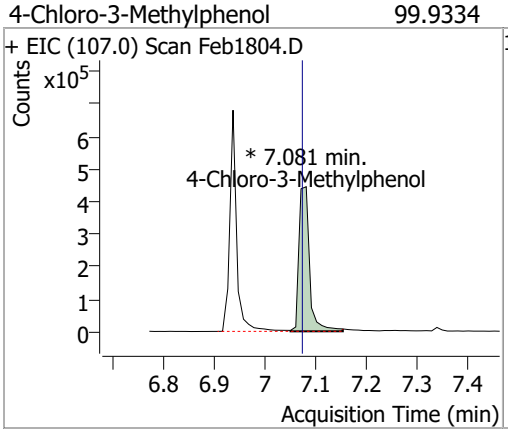
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	103.7577	6.94	0.00	635015 (m)	144.0	25.8	19.4	36.1

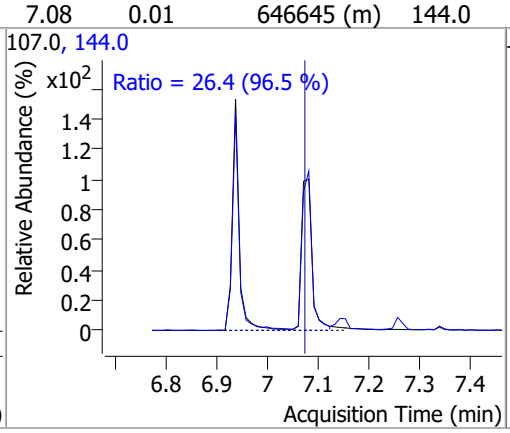


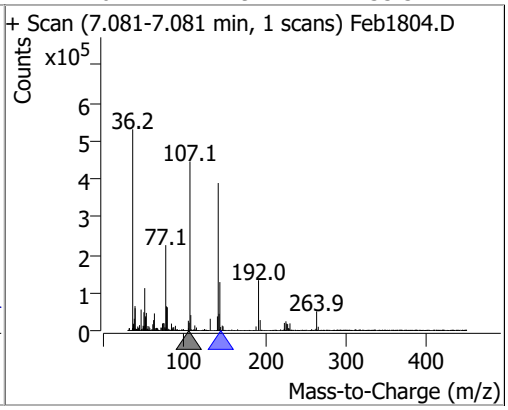




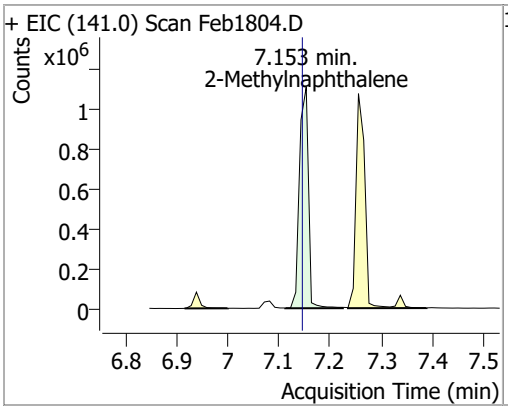
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	99.9334	7.08	0.01	646645 (m)	144.0	26.4	19.1	35.5

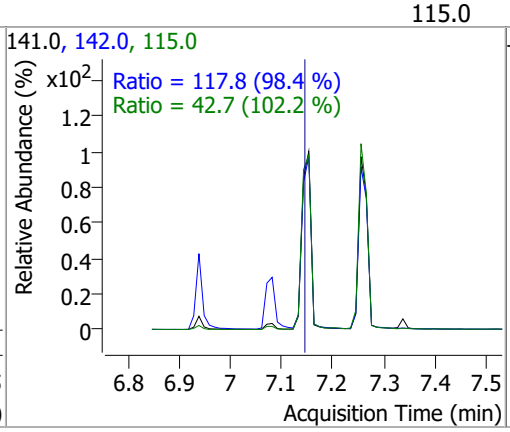


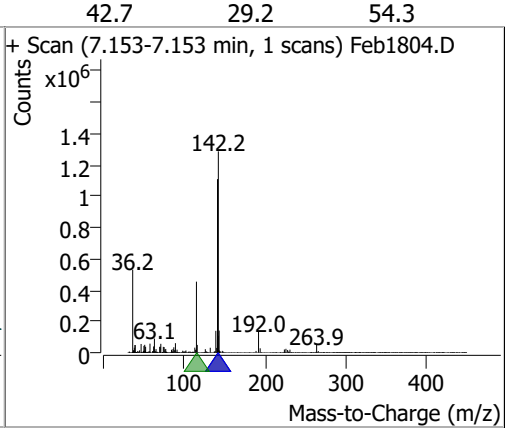




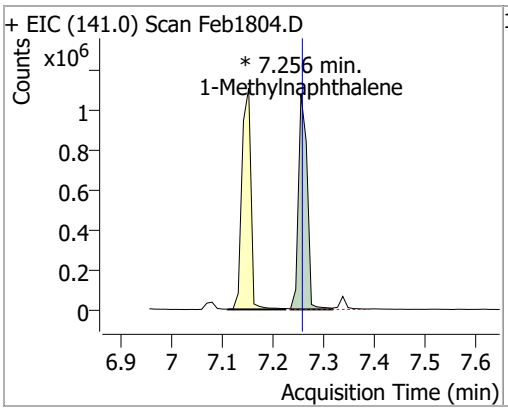
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	99.7838	7.15	0.01	1357670	142.0	117.8	83.8	155.7
					115.0	42.7	29.2	54.3

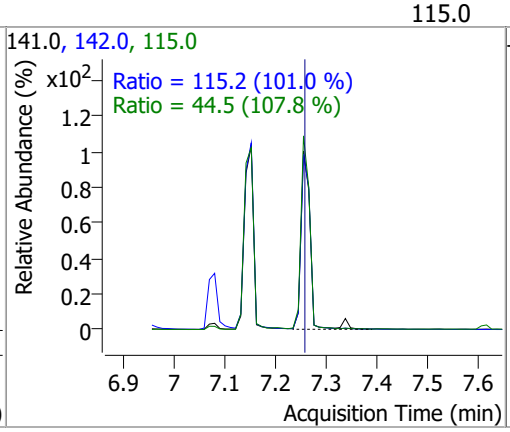


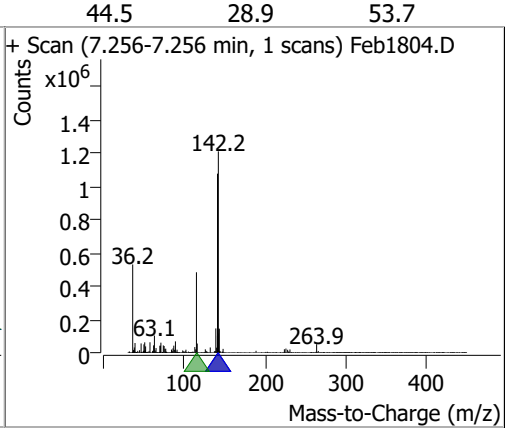




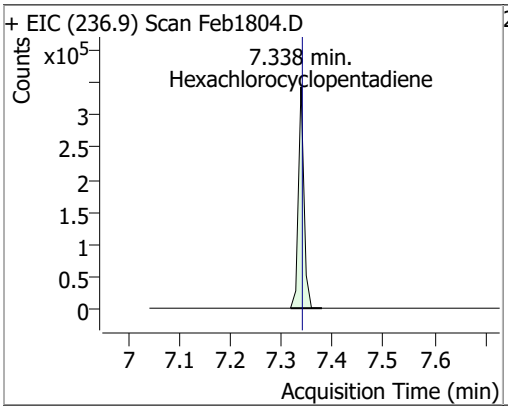
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	97.0856	7.26	0.00	1279557 (m)	142.0	115.2	79.8	148.2
					115.0	44.5	28.9	53.7

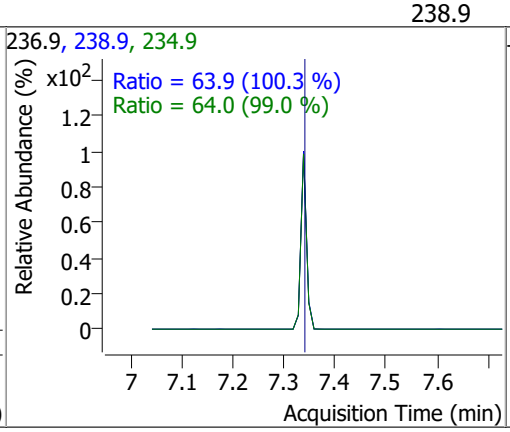


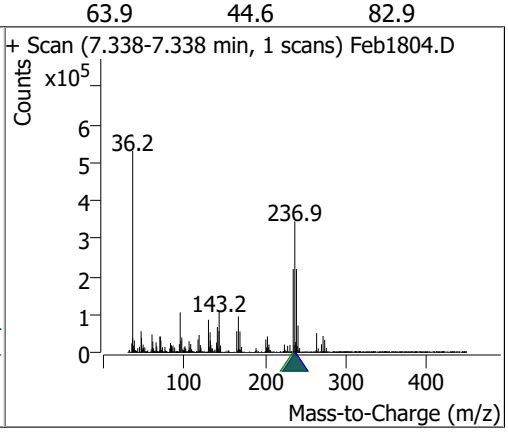




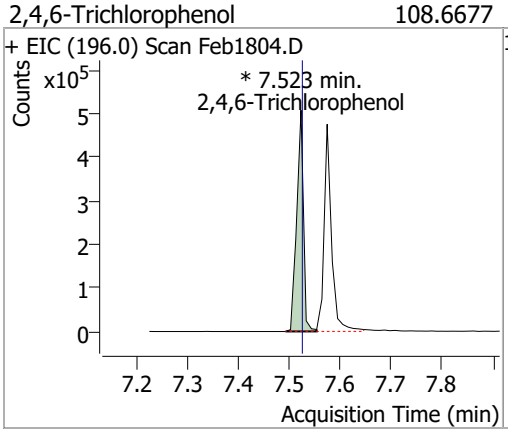
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	105.4390	7.34	0.00	260879	234.9	64.0	45.2	84.0
					238.9	63.9	44.6	82.9

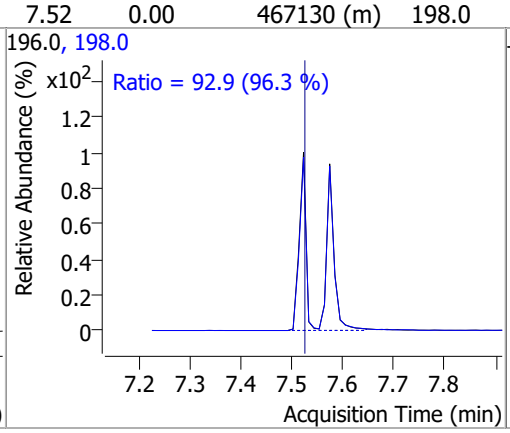


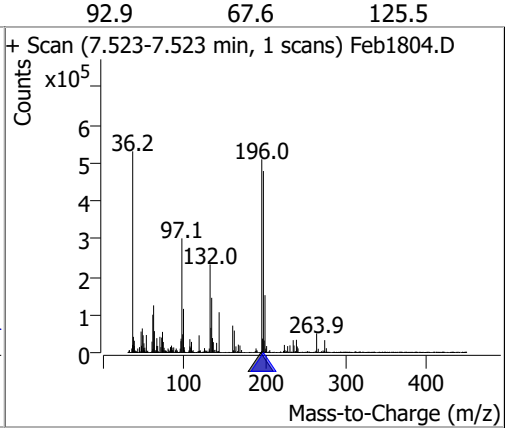




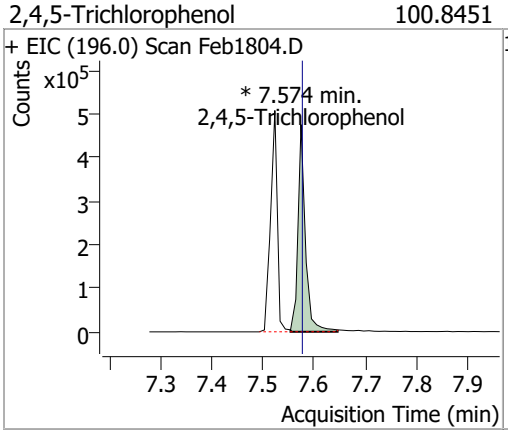
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	108.6677	7.52	0.00	467130 (m)	198.0	92.9	67.6	125.5

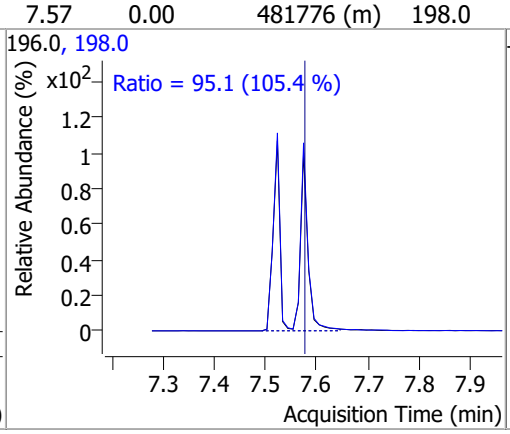


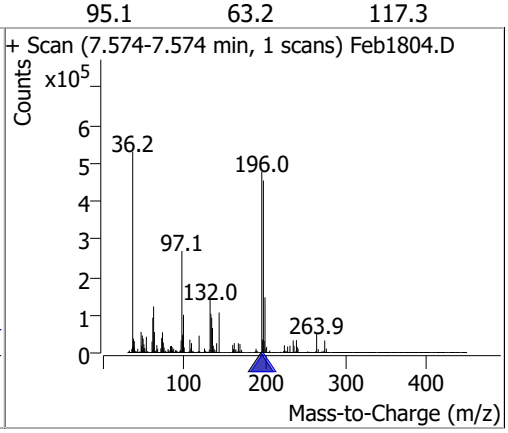




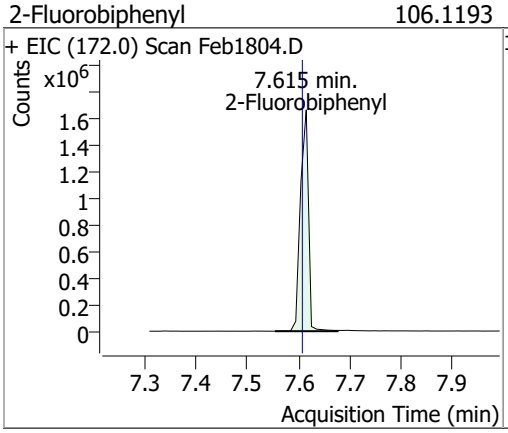
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	100.8451	7.57	0.00	481776 (m)	198.0	95.1	63.2	117.3

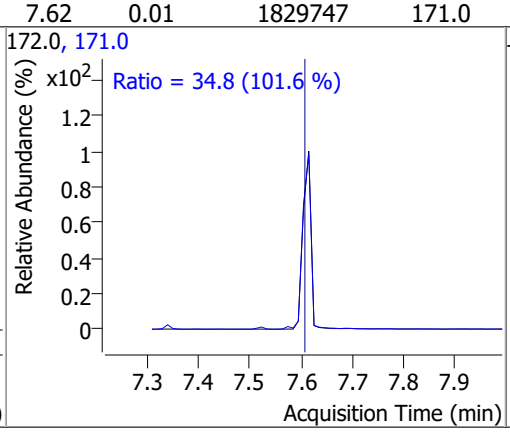


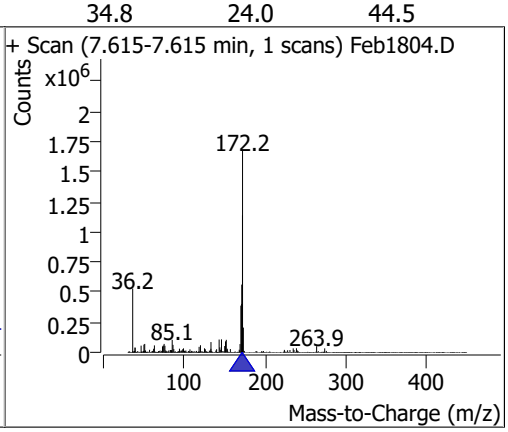




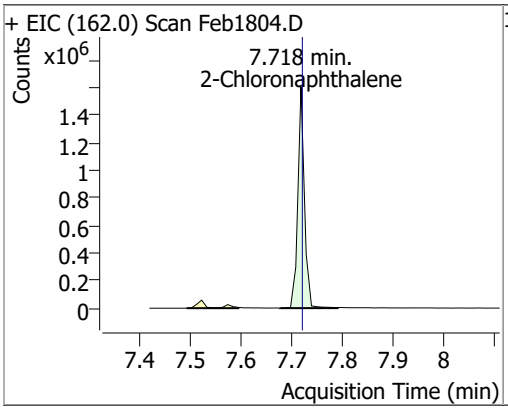
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	106.1193	7.62	0.01	1829747	171.0	34.8	24.0	44.5

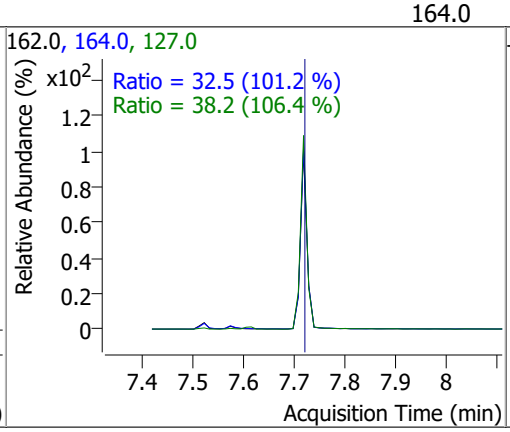


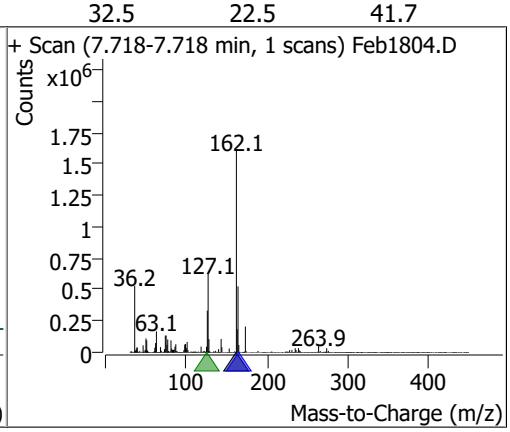




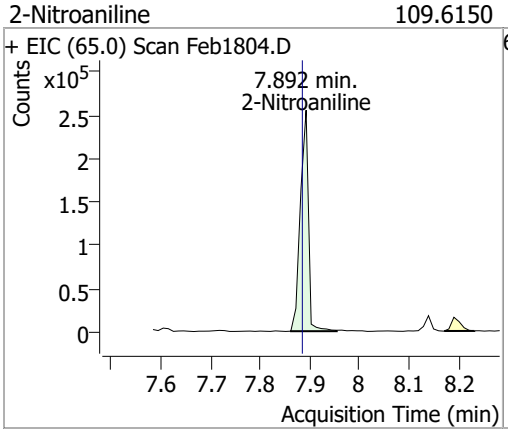
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	99.9274	7.72	0.00	1444367	127.0	38.2	25.1	46.7
					164.0	32.5	22.5	41.7

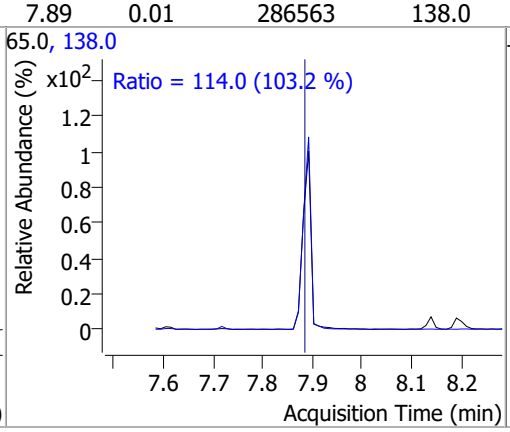


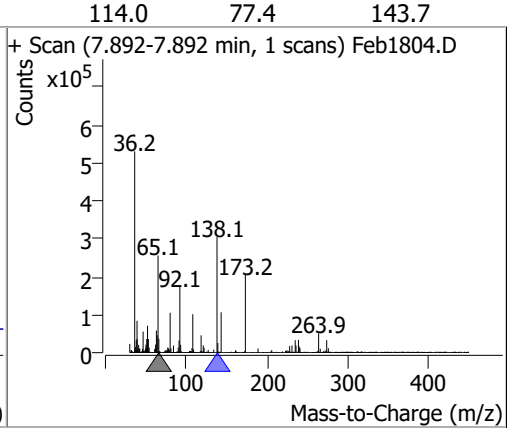




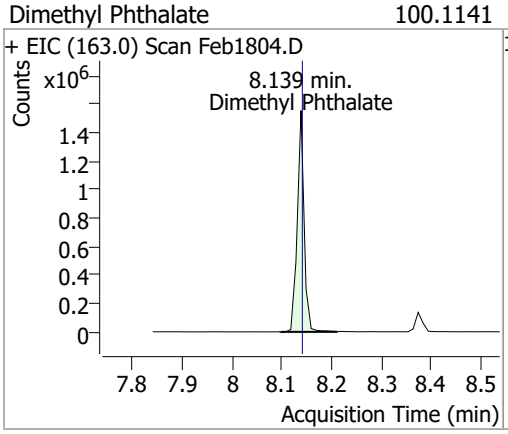
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	109.6150	7.89	0.01	286563	138.0	114.0	77.4	143.7

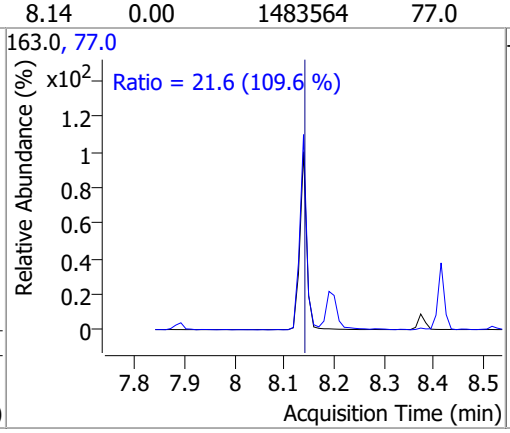


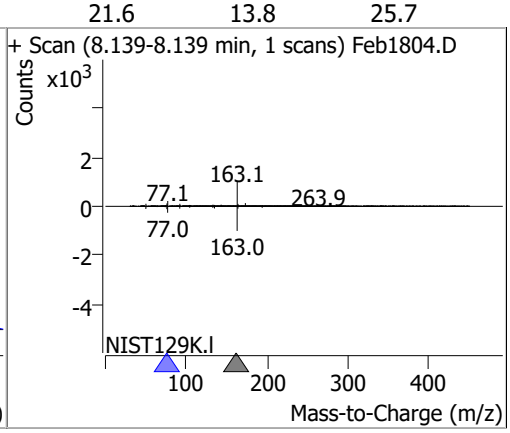




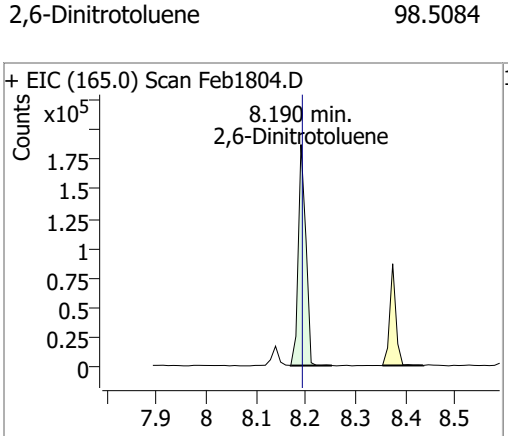
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	100.1141	8.14	0.00	1483564	77.0	21.6	13.8	25.7

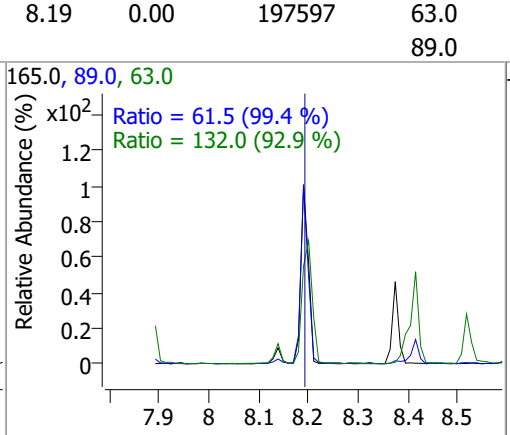


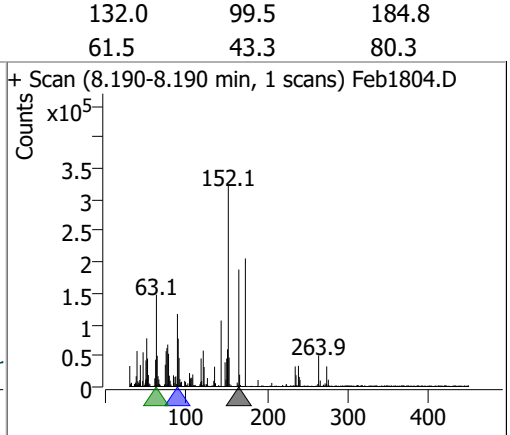




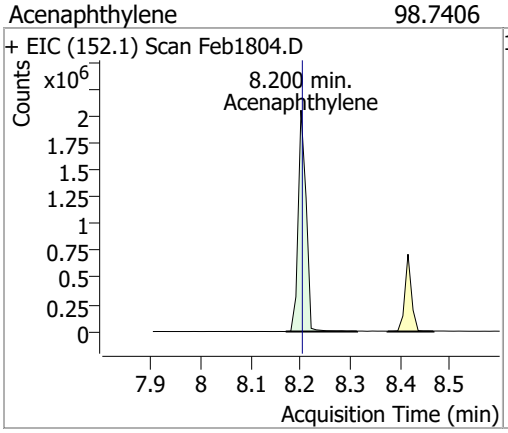
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	98.5084	8.19	0.00	197597	63.0	132.0	99.5	184.8
					89.0	61.5	43.3	80.3

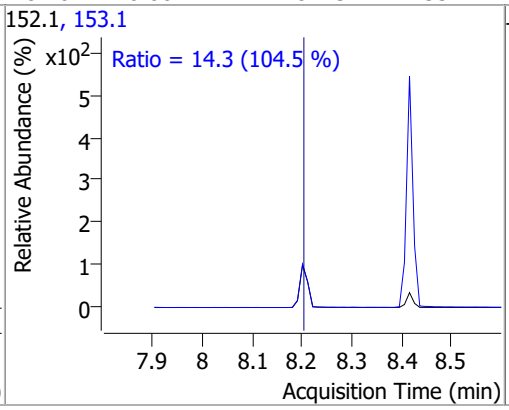


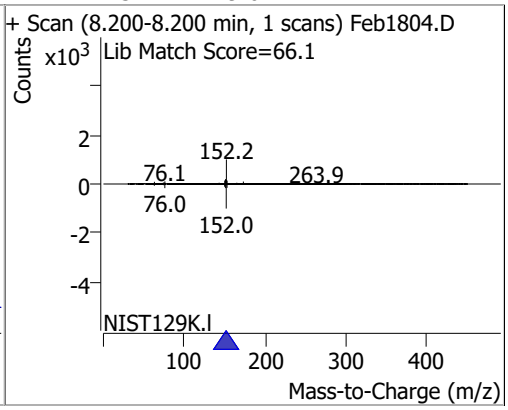




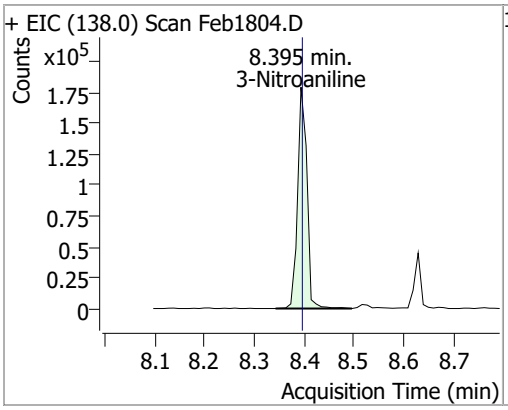
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	98.7406	8.20	0.00	2278175	153.1	14.3	9.6	17.7

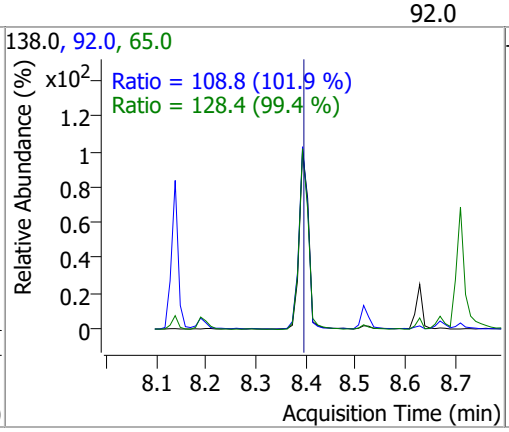


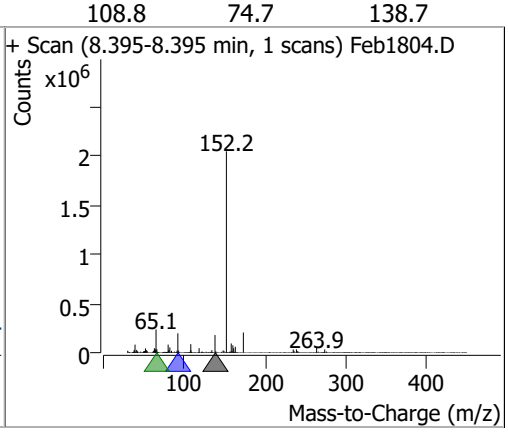




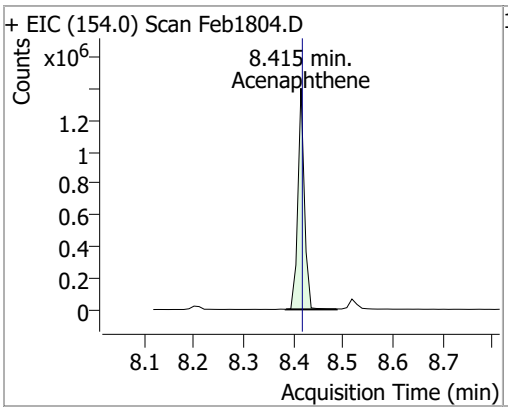
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	100.9236	8.39	0.00	233884	65.0	128.4	90.4	167.8
					92.0	108.8	74.7	138.7

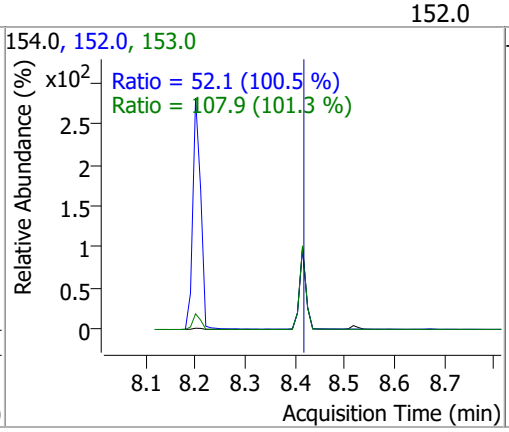


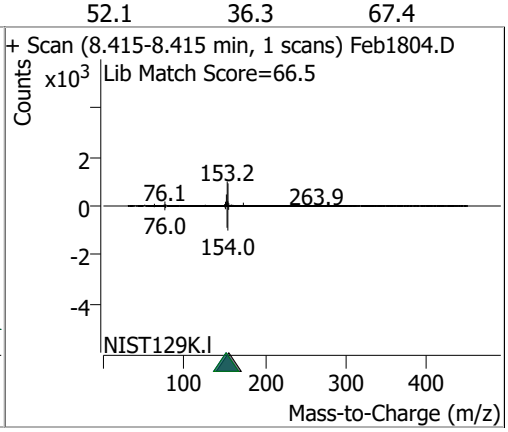




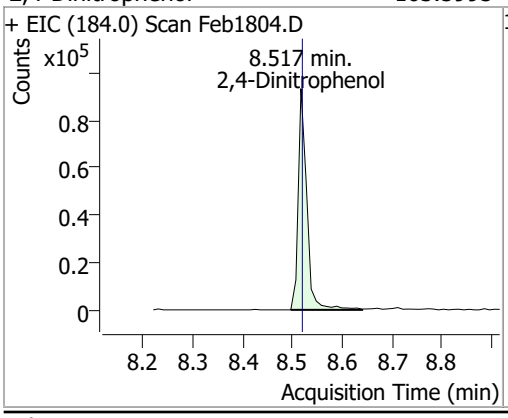
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	97.8035	8.41	0.00	1278423	153.0	107.9	74.5	138.4
					152.0	52.1	36.3	67.4

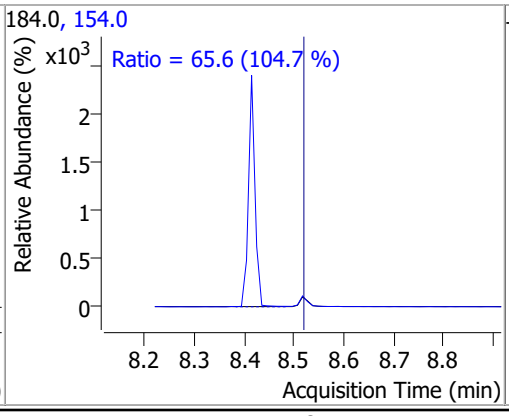


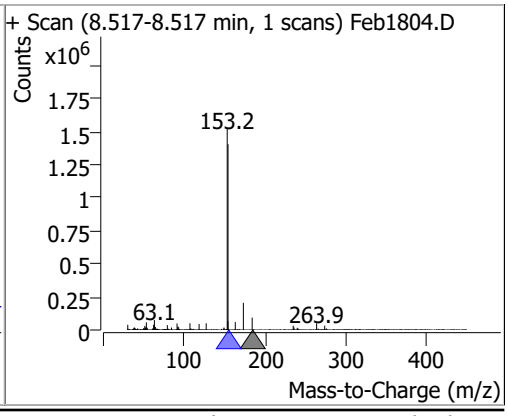




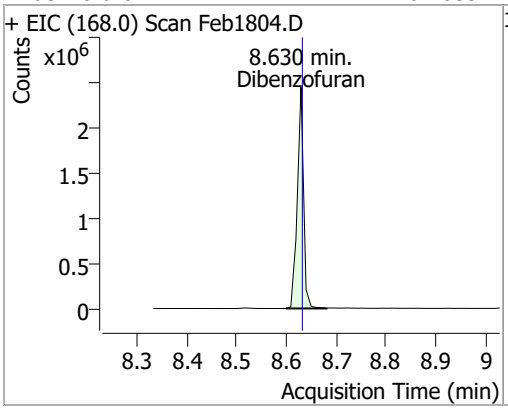
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	103.5995	8.52	0.00	112195	154.0	65.6	43.9	81.5

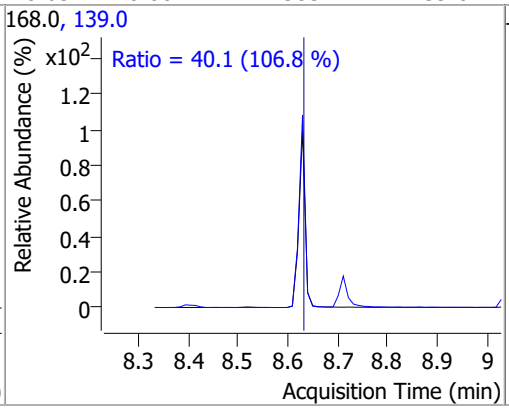


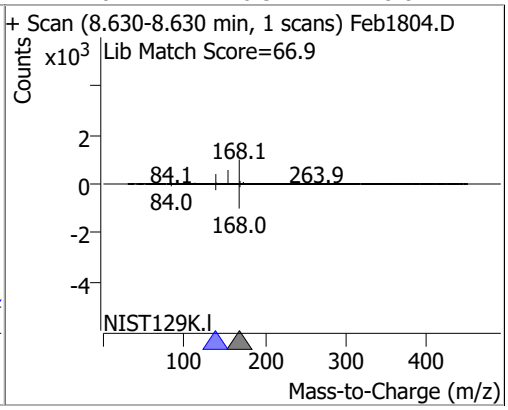




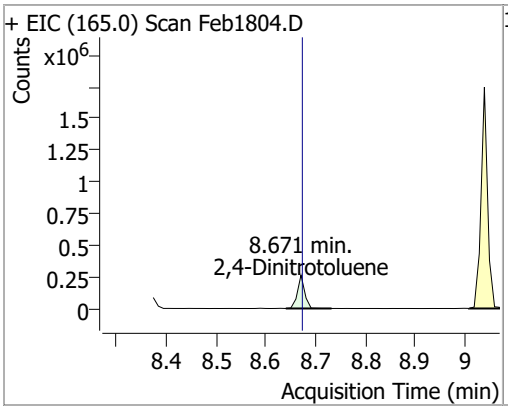
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	101.0591	8.63	0.00	2138324	139.0	40.1	26.3	48.8

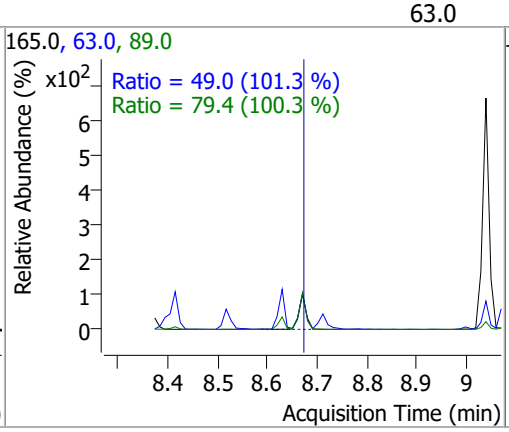


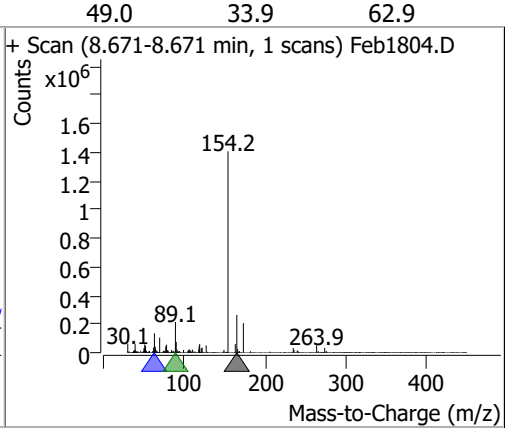




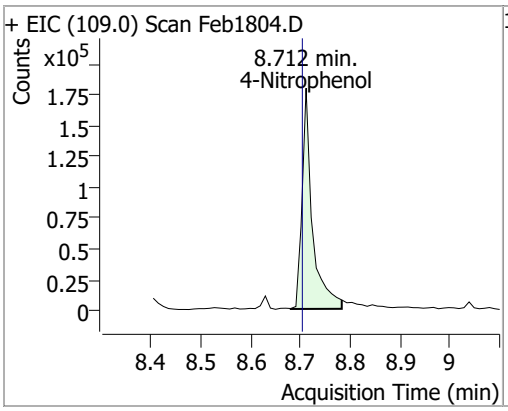
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	100.9400	8.67	0.00	261377	89.0	79.4	55.4	102.9
					63.0	49.0	33.9	62.9

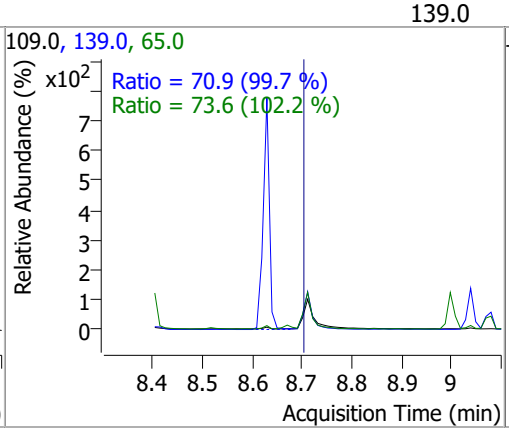


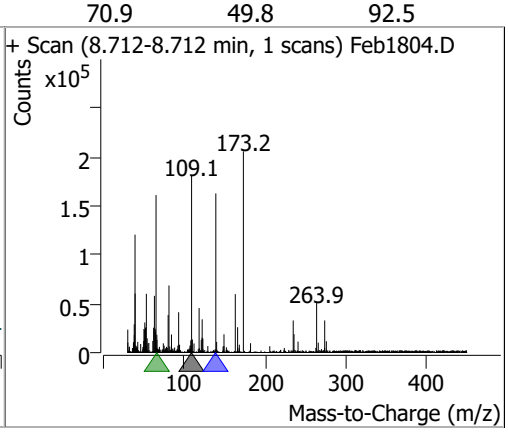




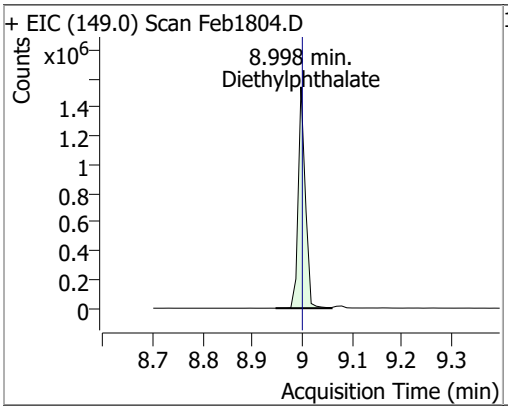
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	102.3911	8.71	0.01	258897	65.0	73.6	50.4	93.6
					139.0	70.9	49.8	92.5

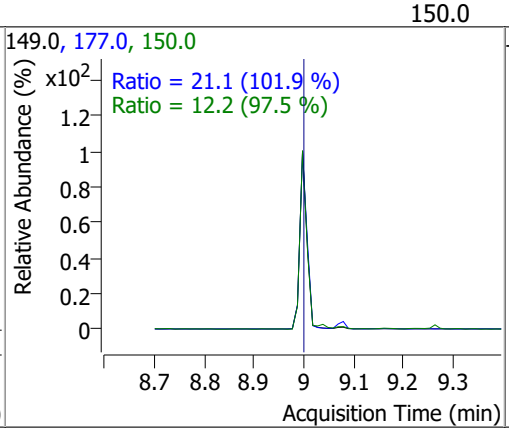


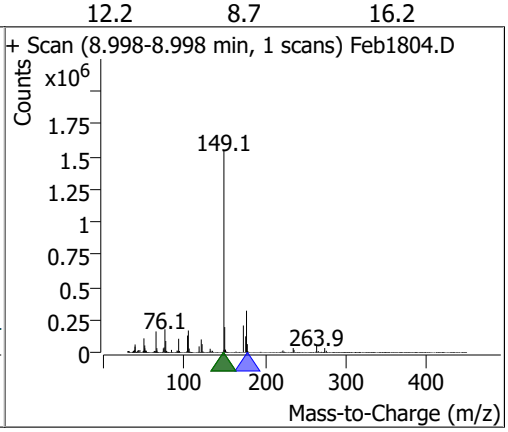




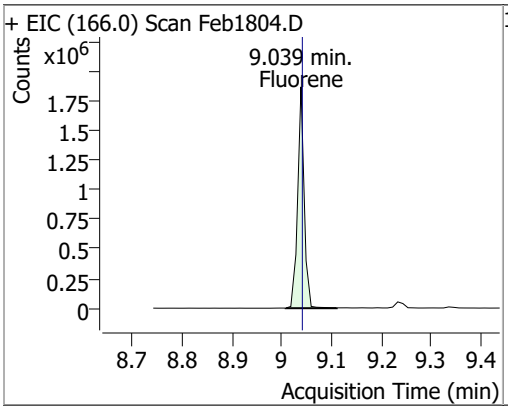
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	99.0409	9.00	0.00	1525106	177.0	21.1	14.5	27.0
					150.0	12.2	8.7	16.2

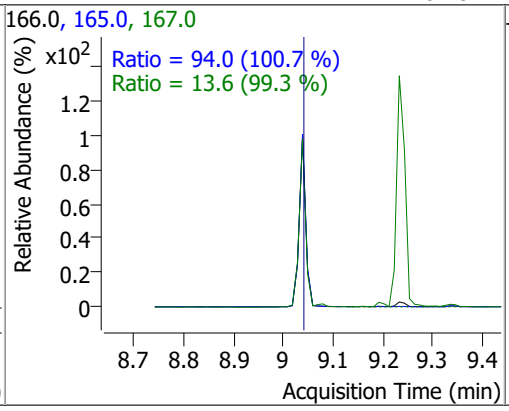


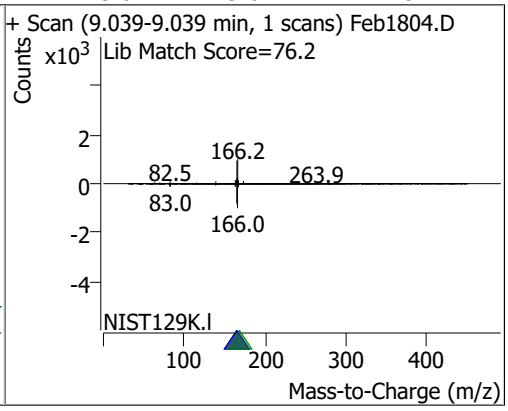




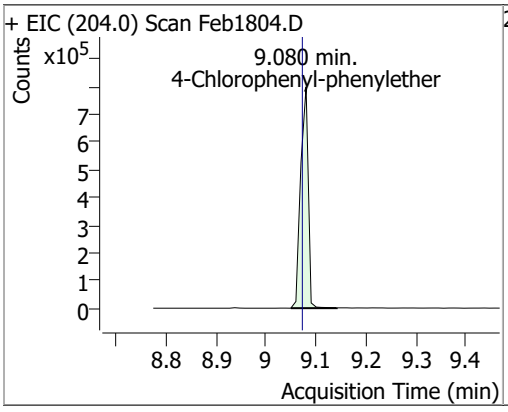
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	98.6614	9.04	0.00	1700560	165.0	94.0	65.4	121.4
					167.0	13.6	9.6	17.8

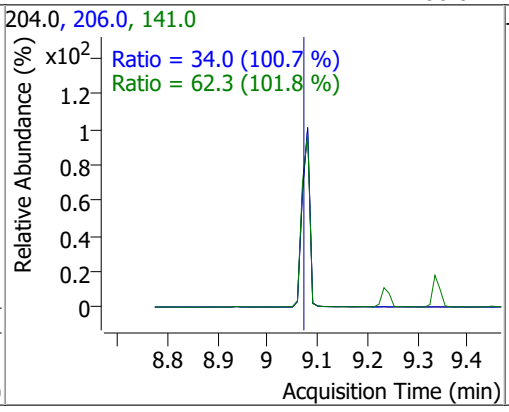


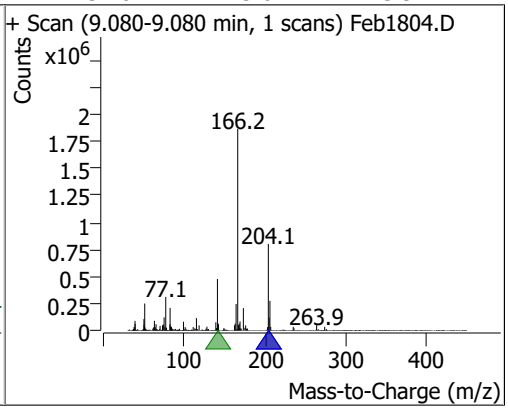




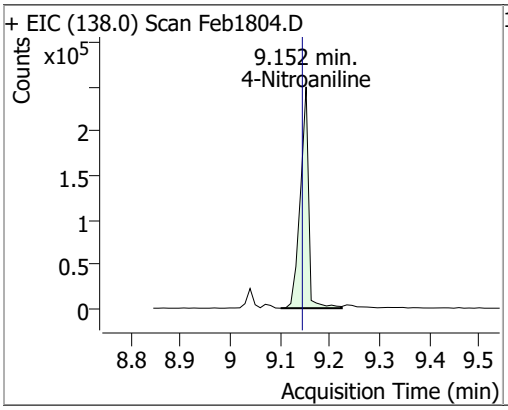
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	105.9893	9.08	0.01	840611	141.0	62.3	42.8	79.6
					206.0	34.0	23.6	43.9

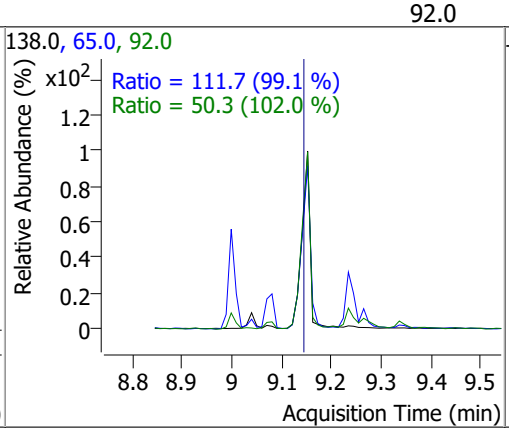


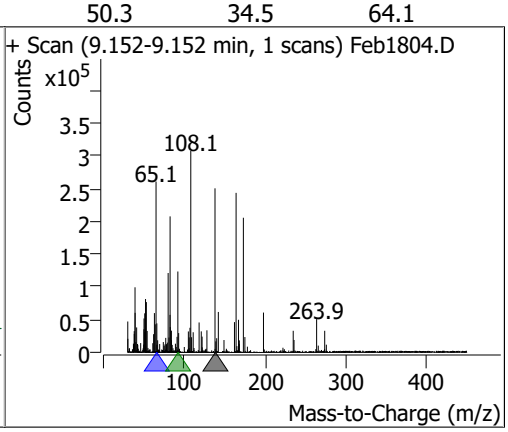




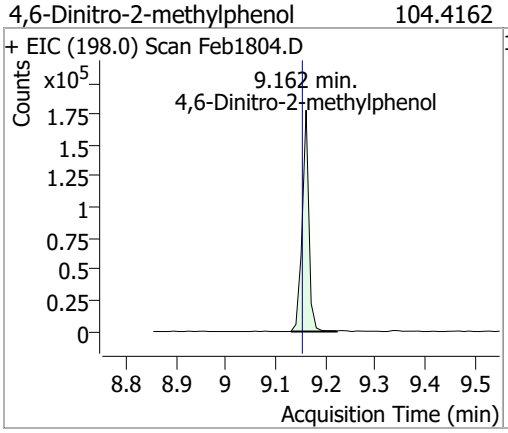
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	112.8801	9.15	0.01	289316	65.0	111.7	78.9	146.6
					92.0	50.3	34.5	64.1

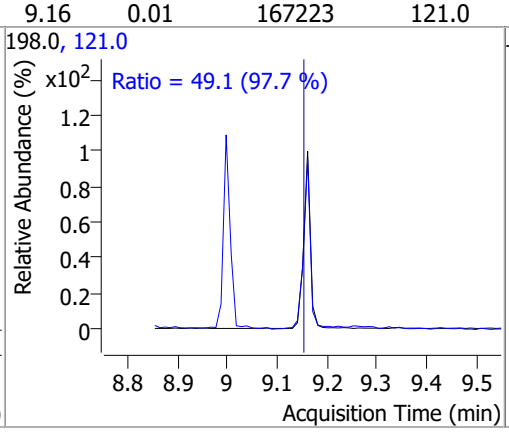


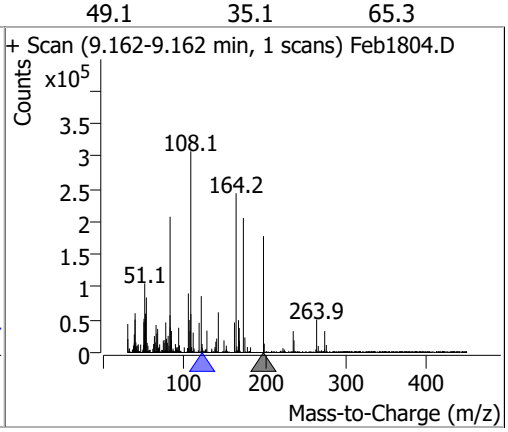




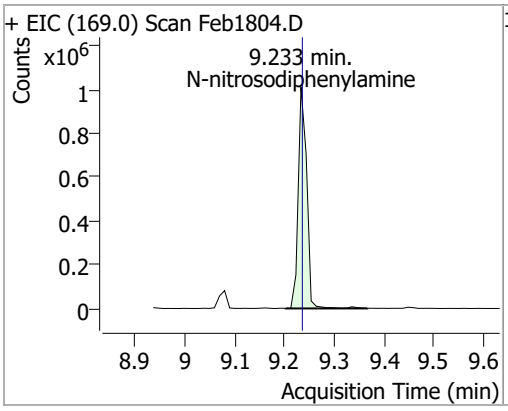
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	104.4162	9.16	0.01	167223	121.0	49.1	35.1	65.3

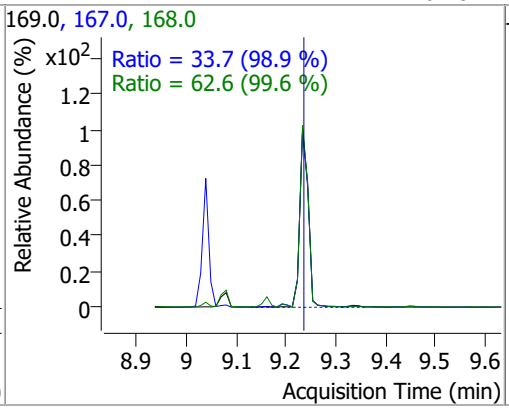


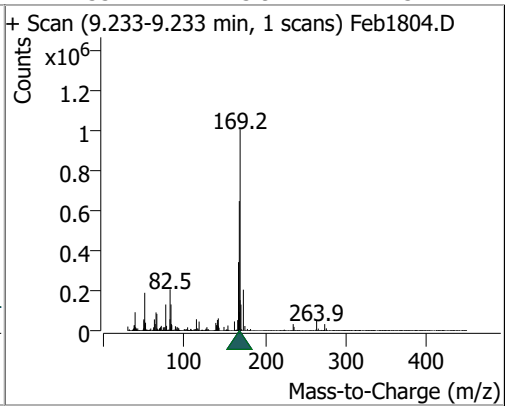




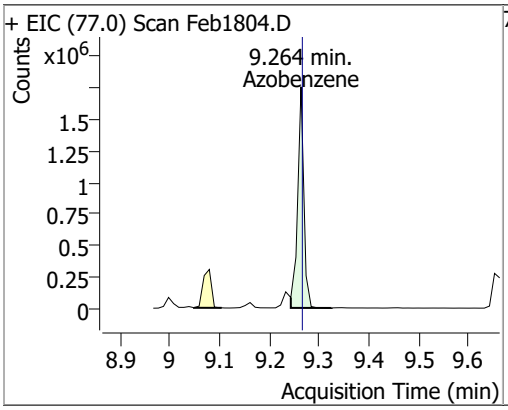
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	102.0740	9.23	0.00	1196082	168.0	62.6	44.0	81.7
					167.0	33.7	23.9	44.3

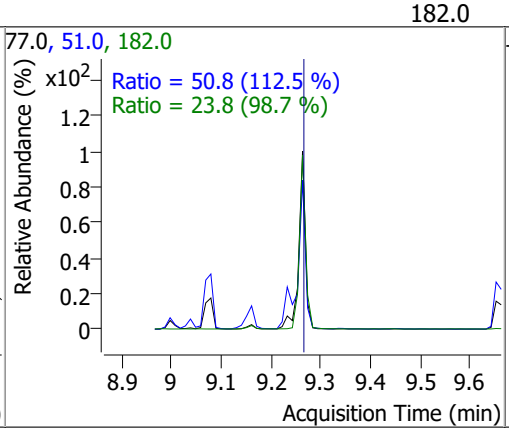


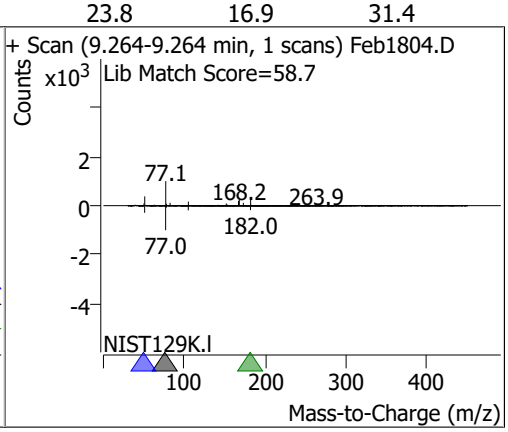




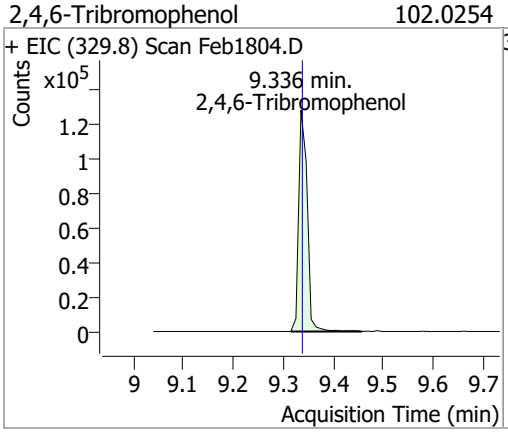
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	96.5318	9.26	0.00	1518549	51.0	50.8	31.6	58.7
					182.0	23.8	16.9	31.4

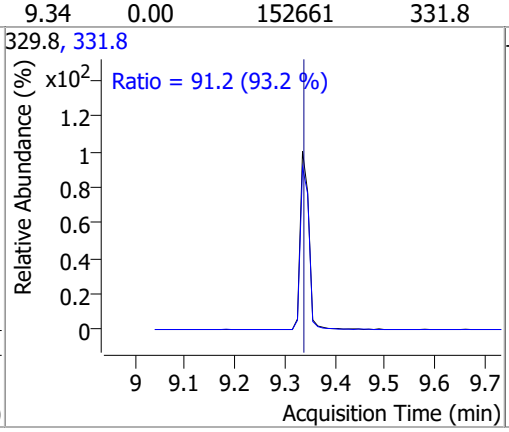


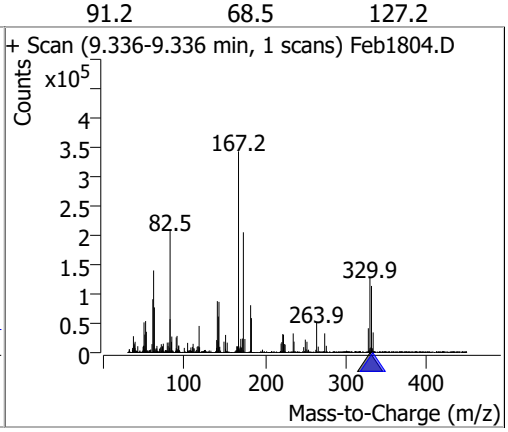




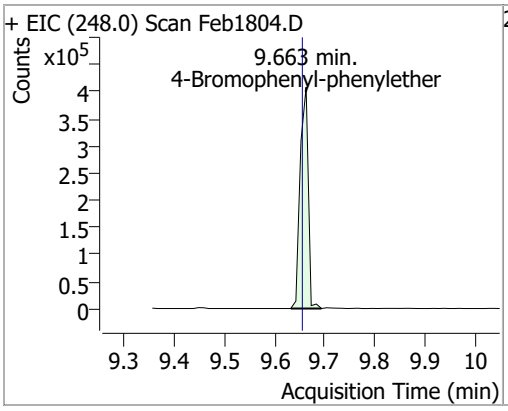
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	102.0254	9.34	0.00	152661	331.8	91.2	68.5	127.2

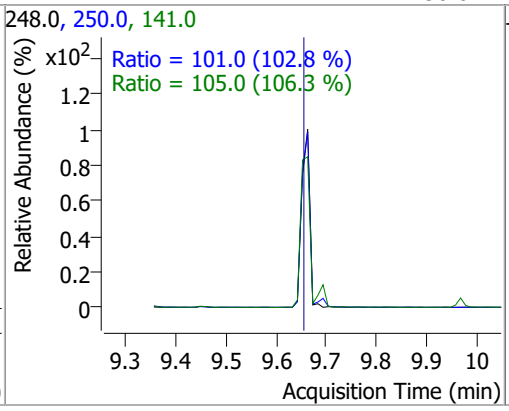


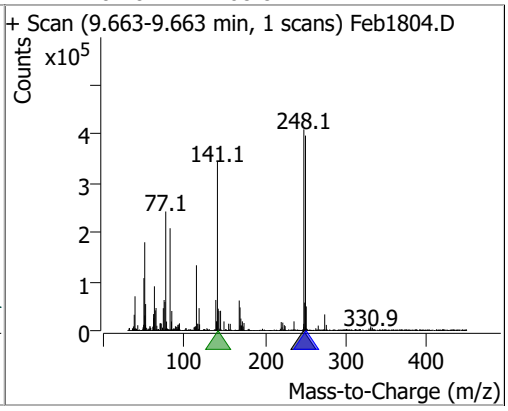




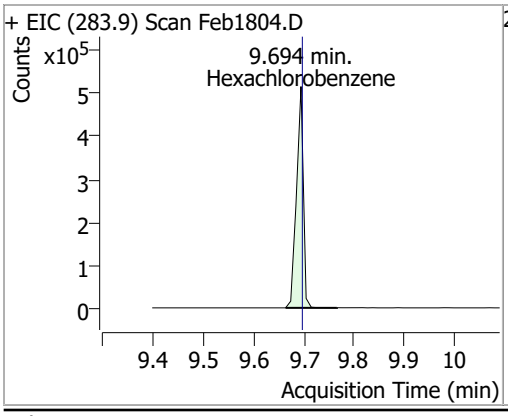
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	100.8595	9.66	0.01	457731	141.0	105.0	69.1	128.4
					250.0	101.0	68.8	127.7

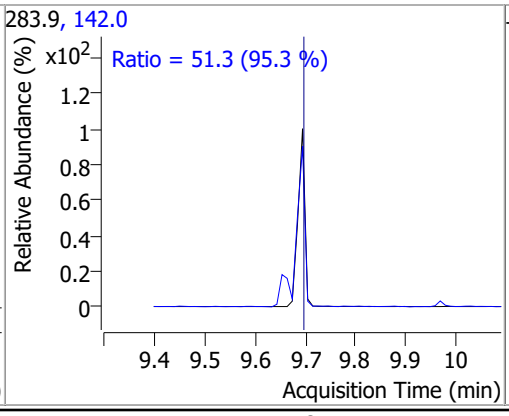


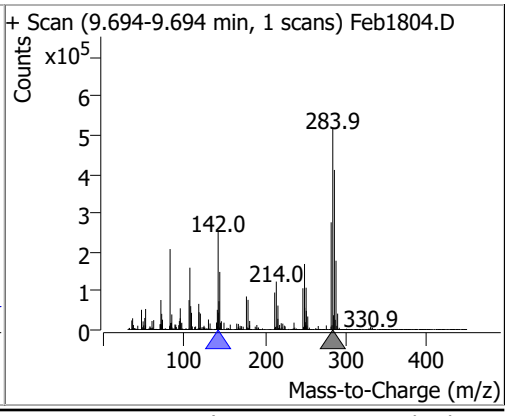




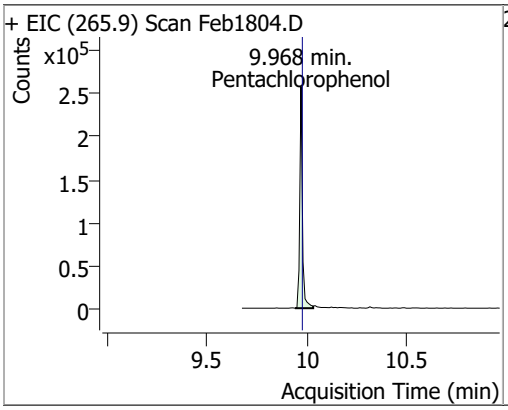
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	109.2193	9.69	0.00	488673	142.0	51.3	37.7	70.0

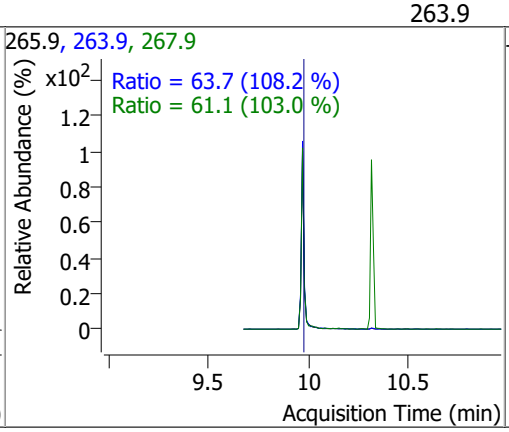


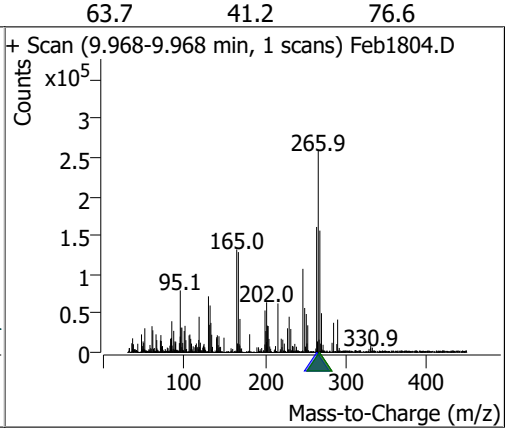




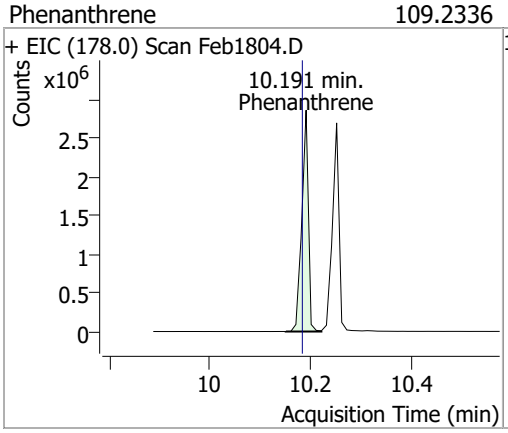
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	105.1758	9.97	0.00	233937	267.9	61.1	41.5	77.2
					263.9	63.7	41.2	76.6

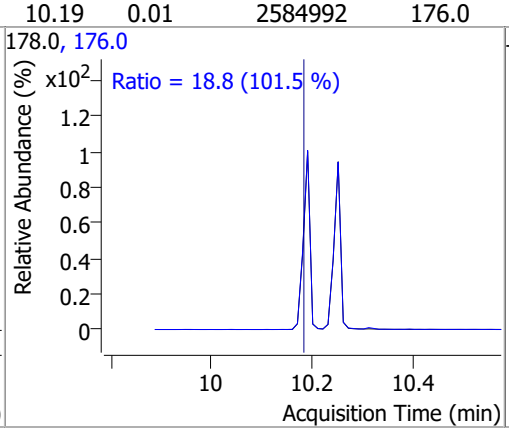


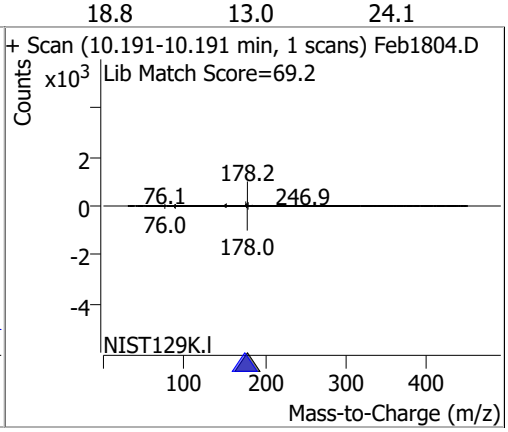




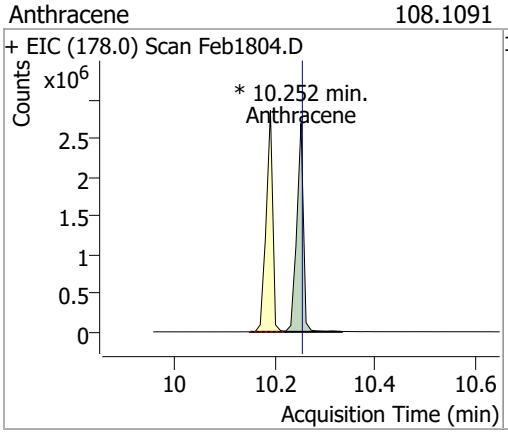
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	109.2336	10.19	0.01	2584992	176.0	18.8	13.0	24.1

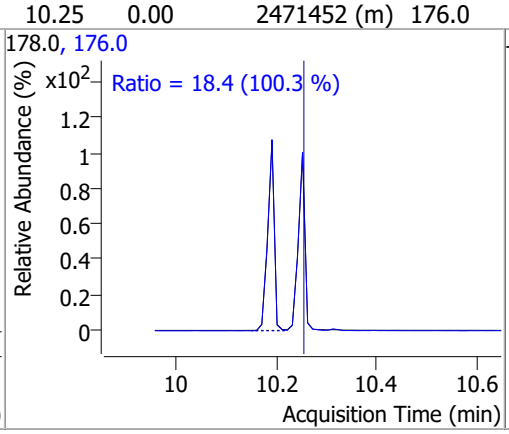


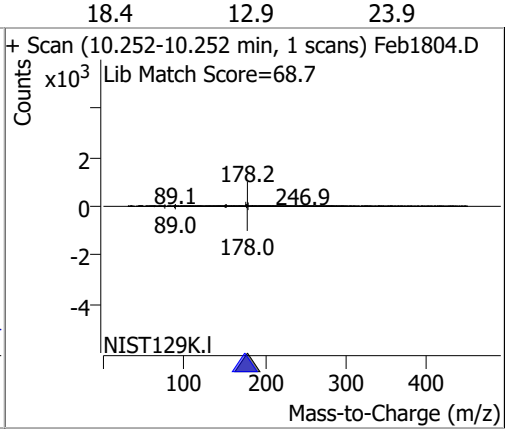




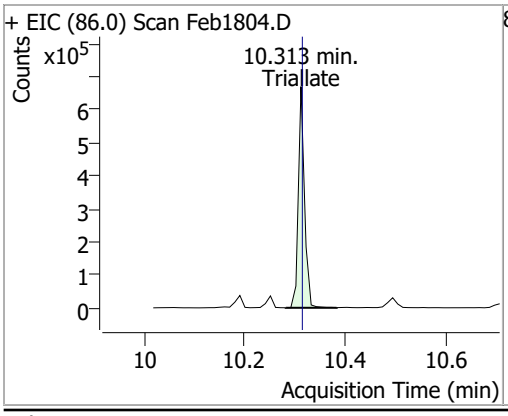
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	108.1091	10.25	0.00	2471452 (m)	176.0	18.4	12.9	23.9

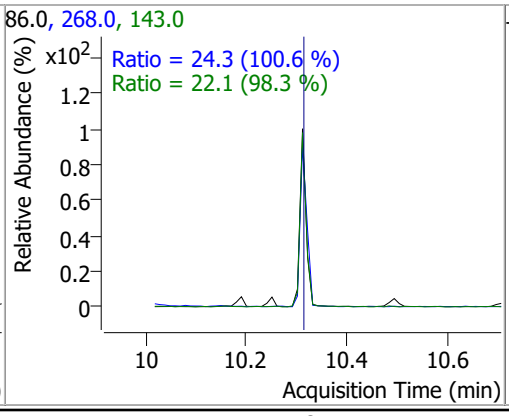


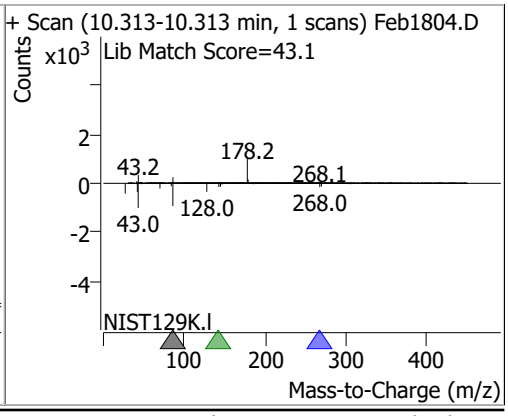




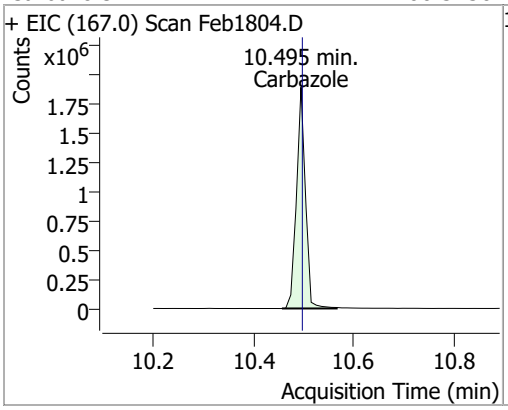
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	101.0679	10.31	0.00	570358	268.0	24.3	16.9	31.4
					143.0	22.1	15.8	29.3

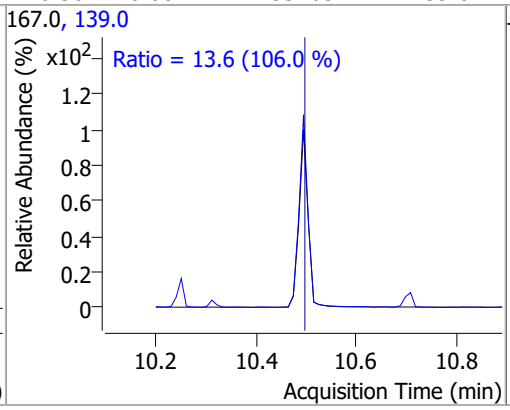


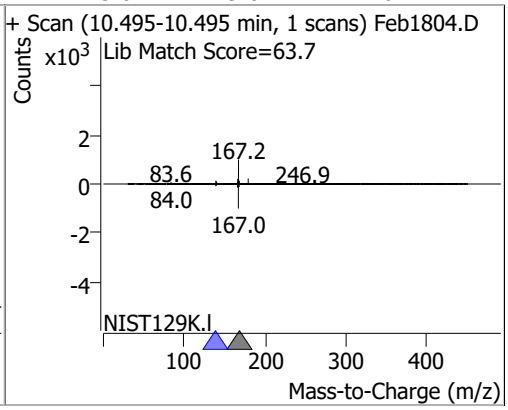




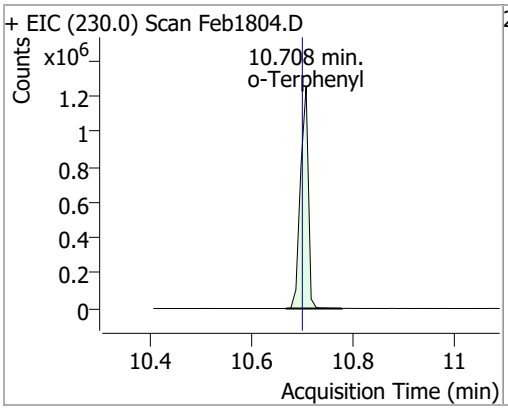
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	100.3730	10.50	0.00	2334657	139.0	13.6	9.0	16.7

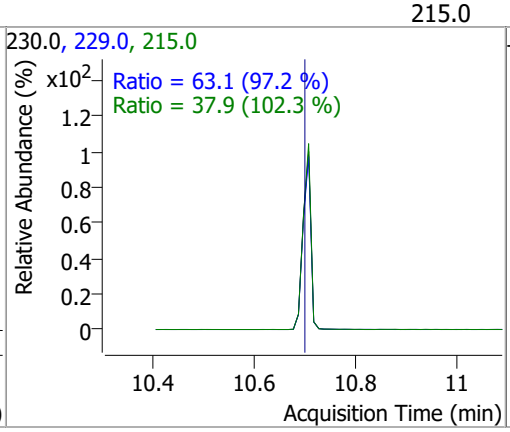


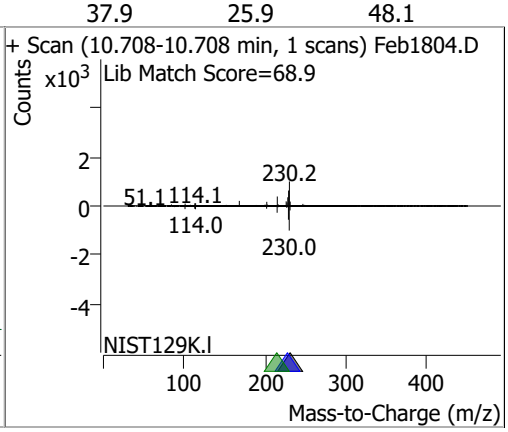




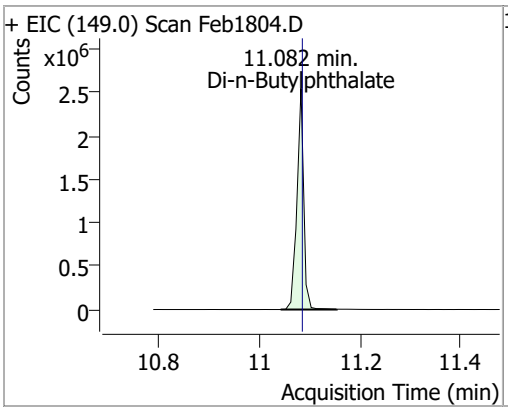
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	106.4761	10.71	0.01	1358973	229.0	63.1	45.4	84.3
					215.0	37.9	25.9	48.1

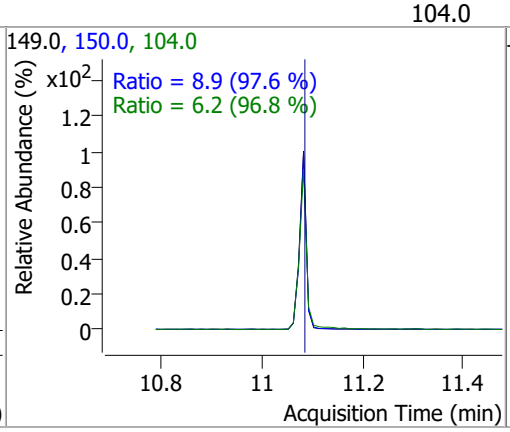


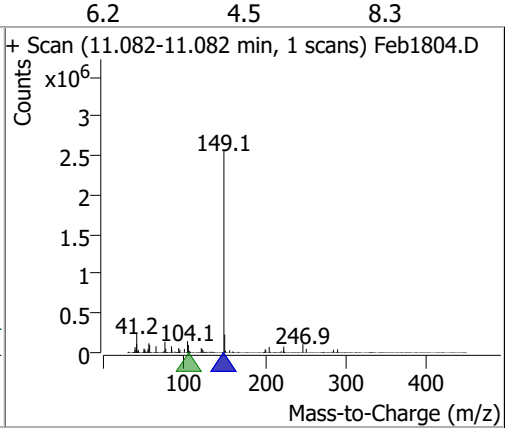




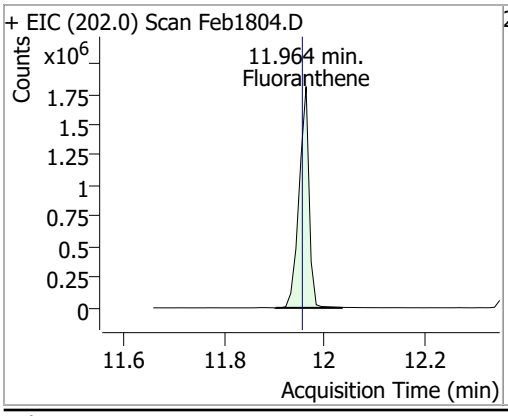
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	103.4746	11.08	0.00	2379296	150.0	8.9	6.3	11.8
					104.0	6.2	4.5	8.3

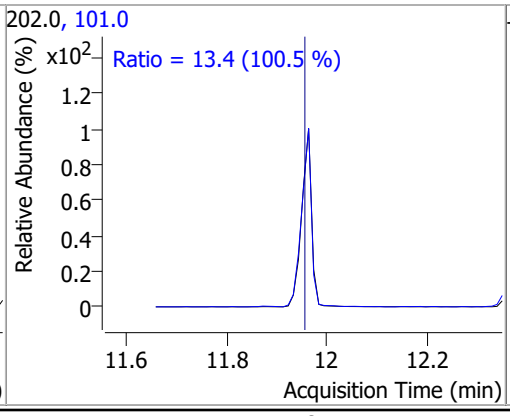


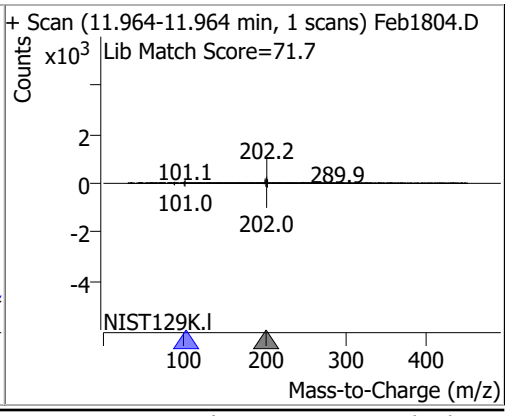




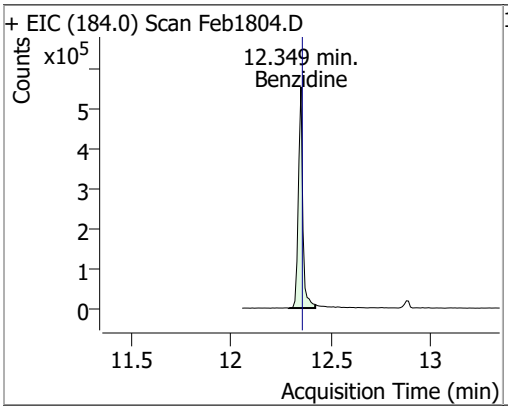
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	102.2753	11.96	0.01	2487478	101.0	13.4	9.4	17.4

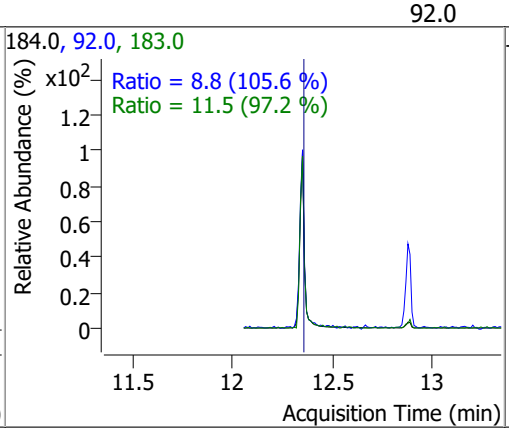


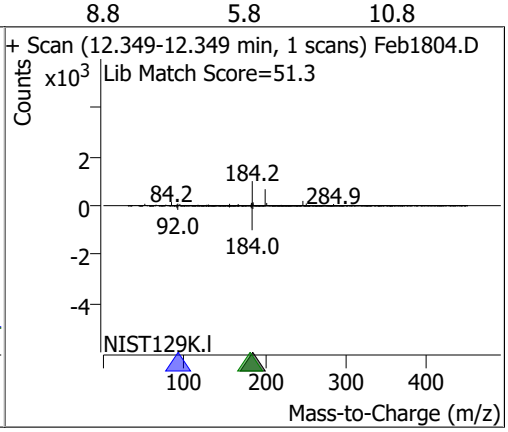




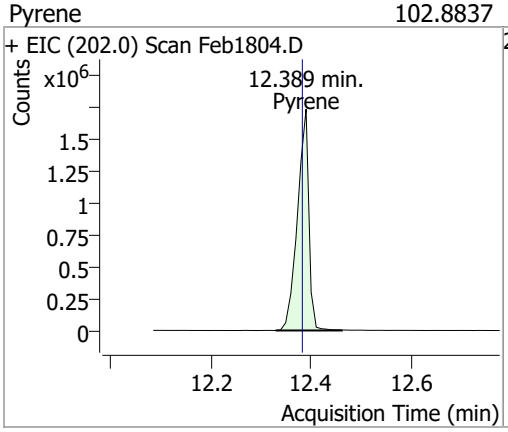
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	101.7540	12.35	0.00	841681	183.0	11.5	8.3	15.4
					92.0	8.8	5.8	10.8

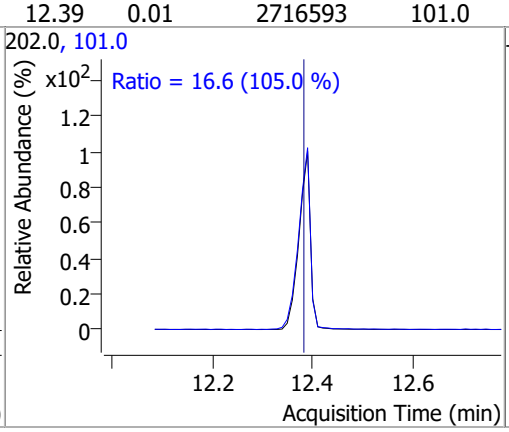


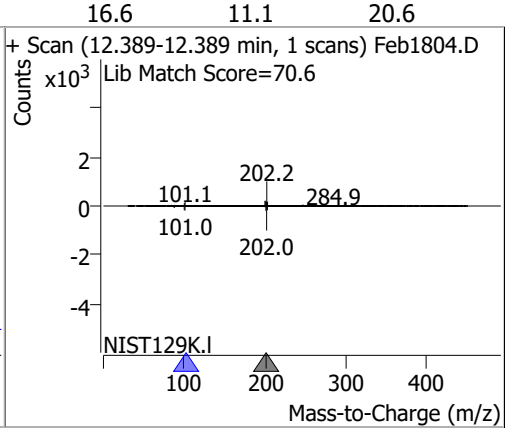




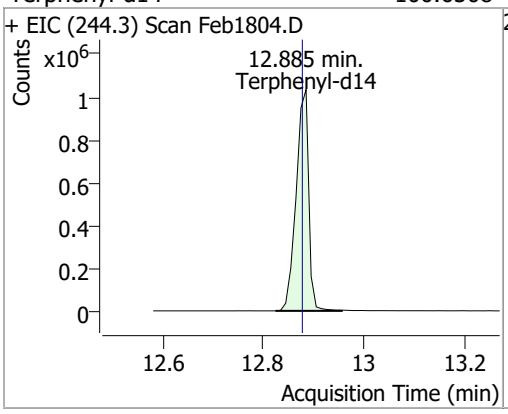
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	102.8837	12.39	0.01	2716593	101.0	16.6	11.1	20.6

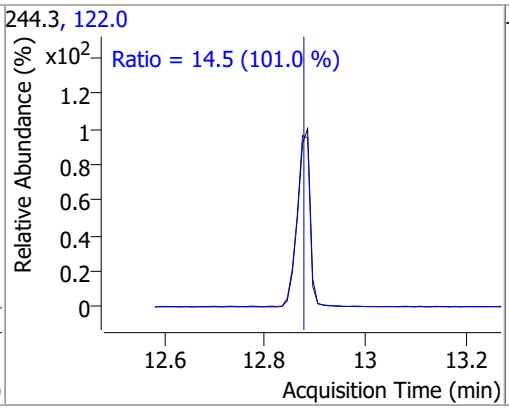


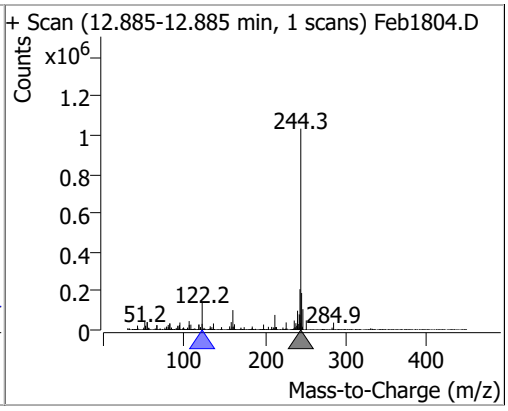




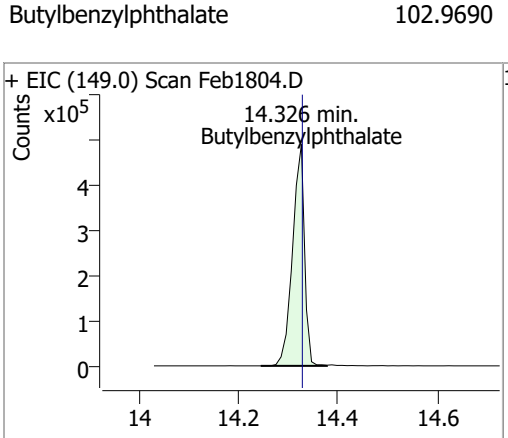
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	100.6508	12.89	0.01	1793874	122.0	14.5	10.1	18.7

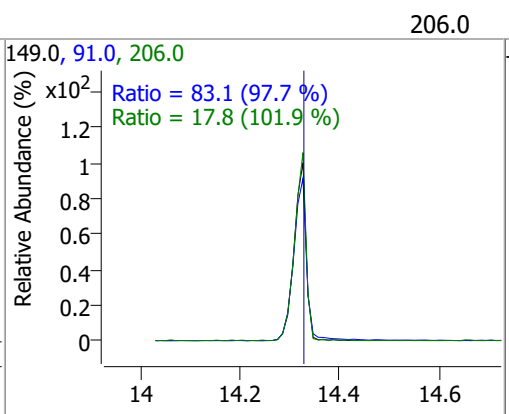


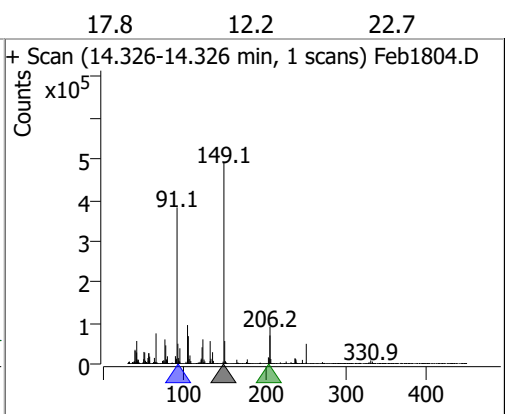




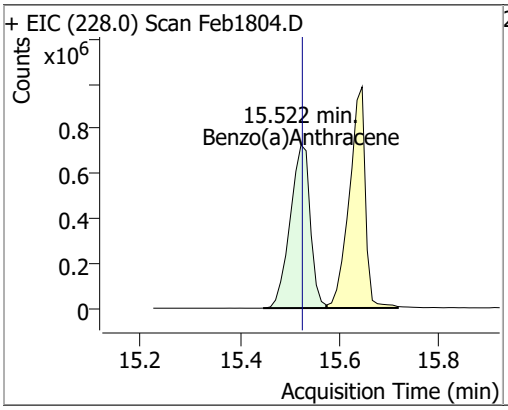
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	102.9690	14.33	0.01	817626	91.0	83.1	59.6	110.6
					206.0	17.8	12.2	22.7

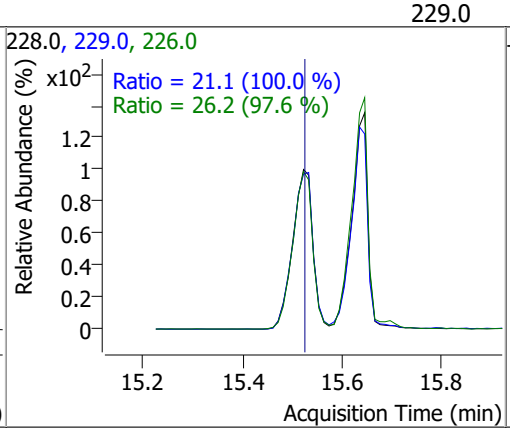


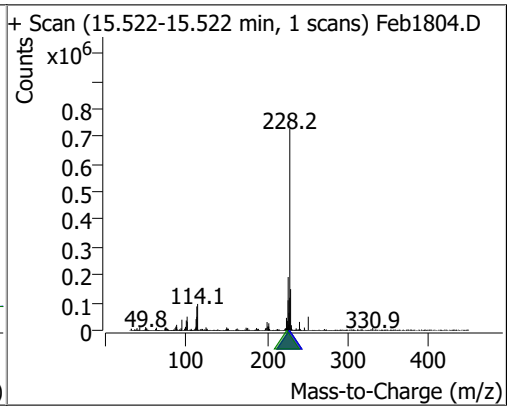




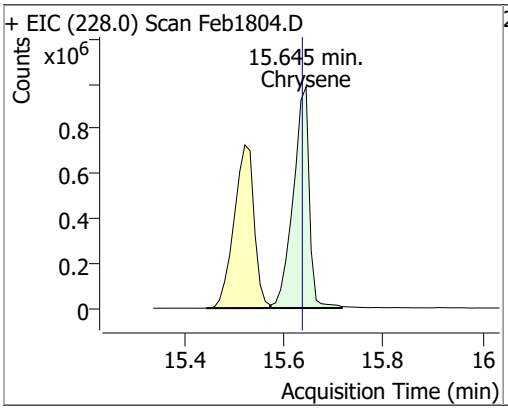
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	104.0334	15.52	0.01	2034255	226.0	26.2	18.8	34.9
					229.0	21.1	14.7	27.4

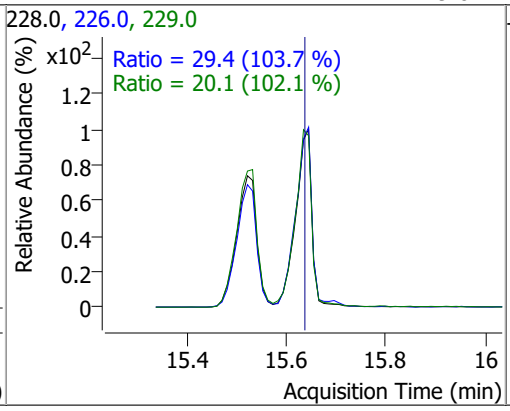


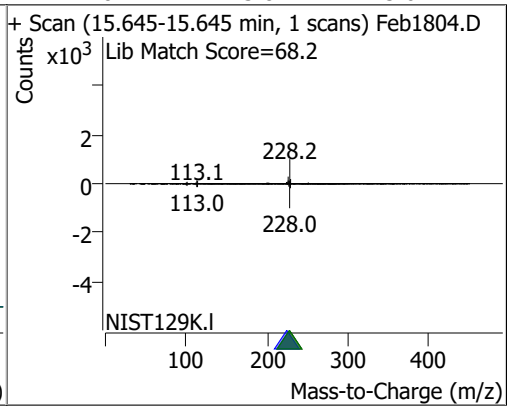




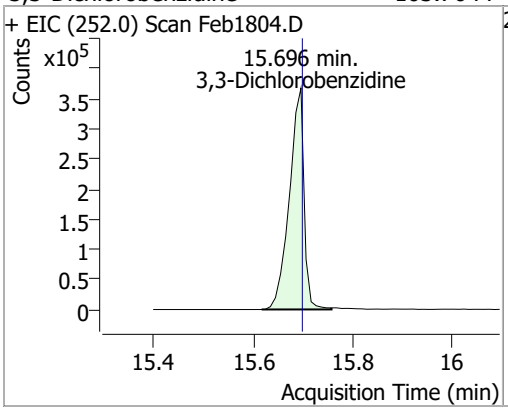
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	102.0757	15.64	0.02	2211531	226.0	29.4	19.9	36.9
					229.0	20.1	13.8	25.6

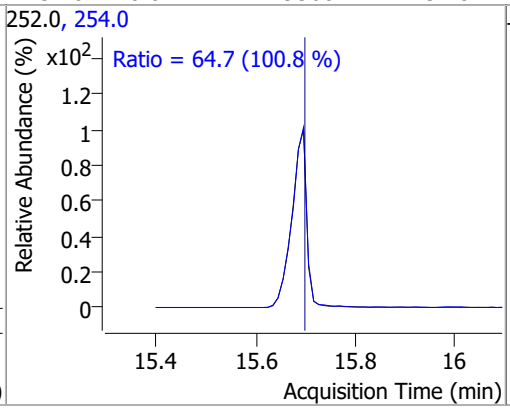


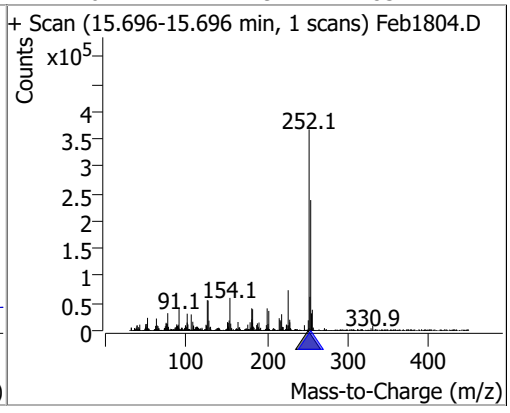




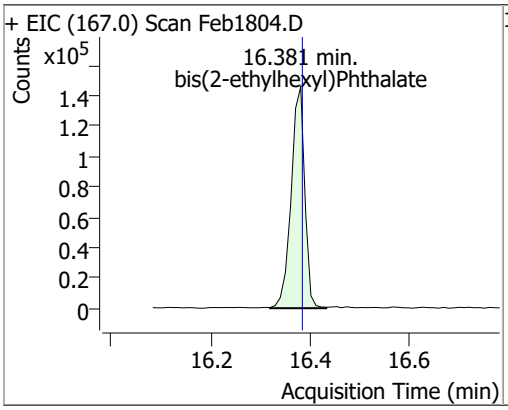
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	103.7644	15.70	0.01	749360	254.0	64.7	44.9	83.4

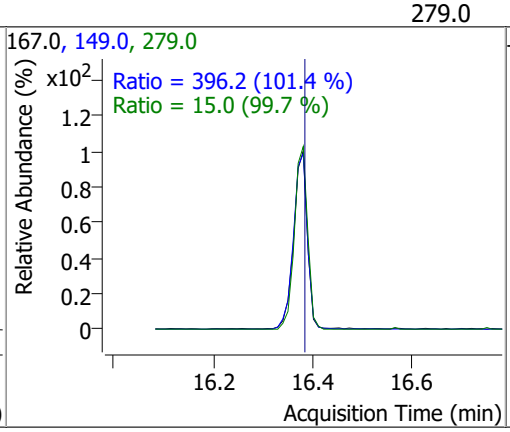


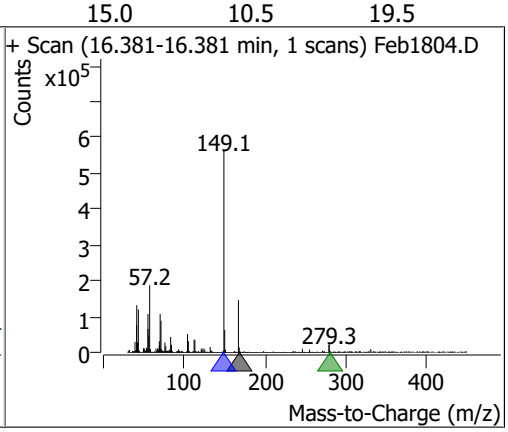




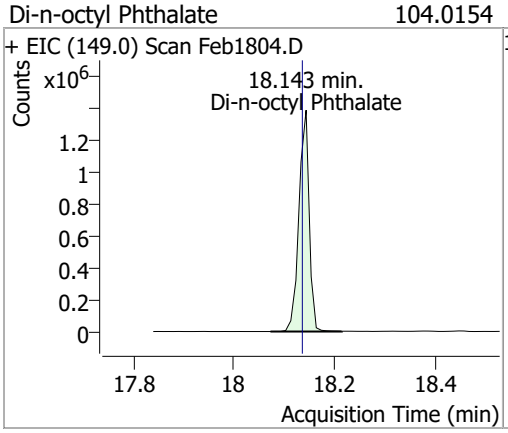
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	100.9022	16.38	0.01	275164	149.0	396.2	273.6	508.0
					279.0	15.0	10.5	19.5

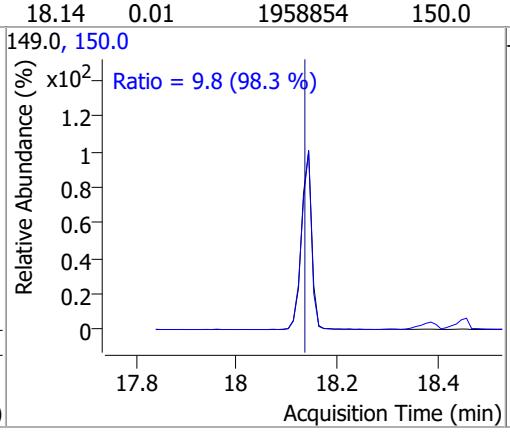


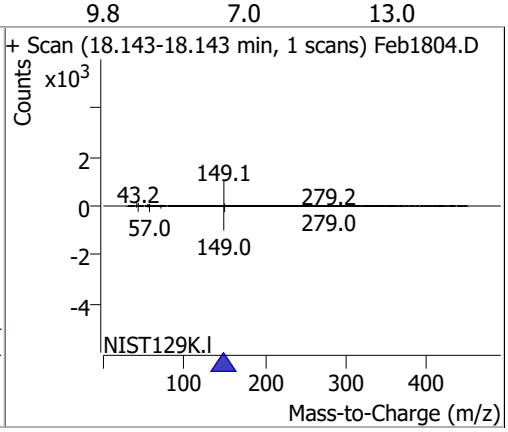




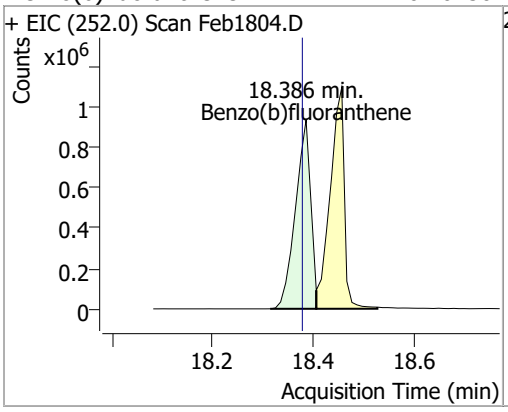
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	104.0154	18.14	0.01	1958854	150.0	9.8	7.0	13.0

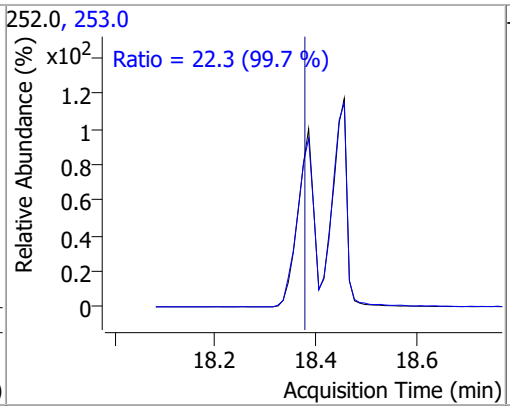


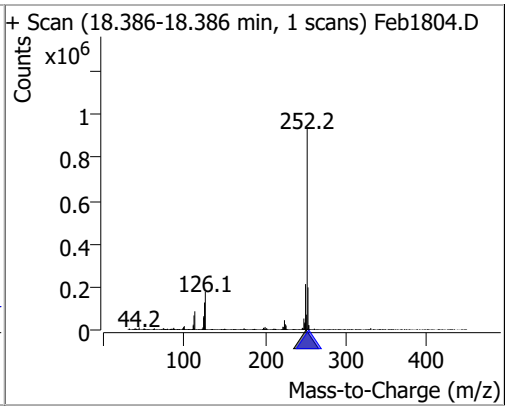




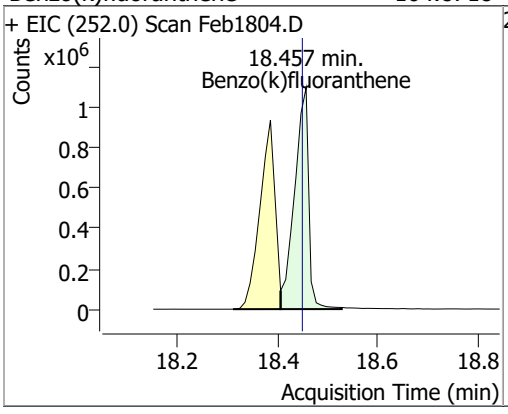
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	102.0750	18.39	0.01	1951128	253.0	22.3	15.6	29.0

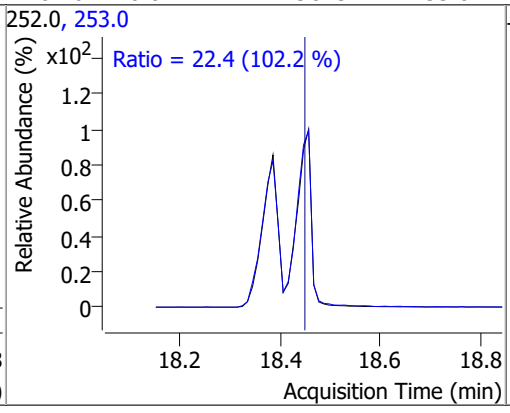


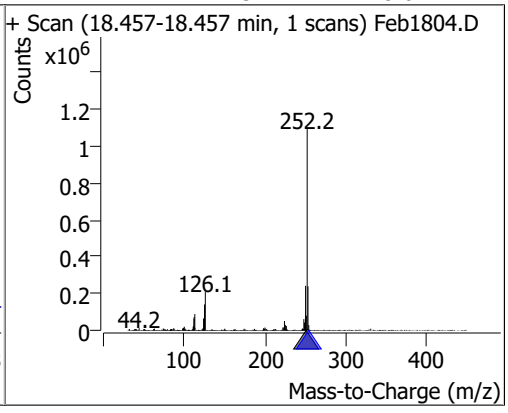




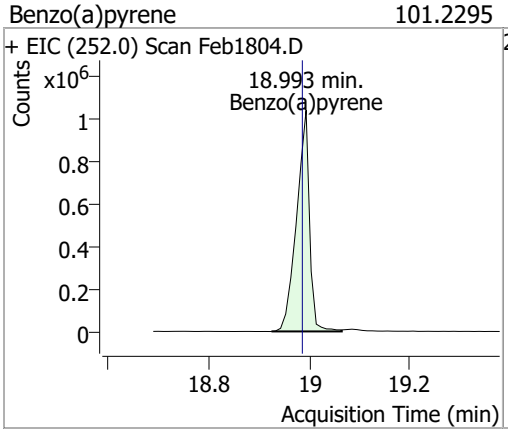
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	104.8718	18.46	0.01	2129075	253.0	22.4	15.4	28.6

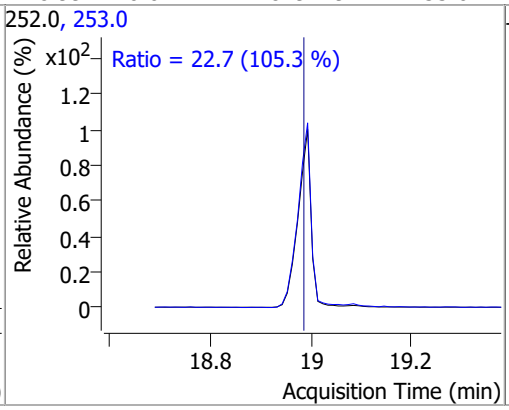


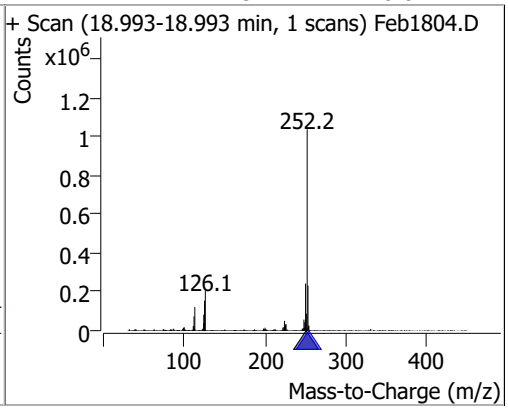




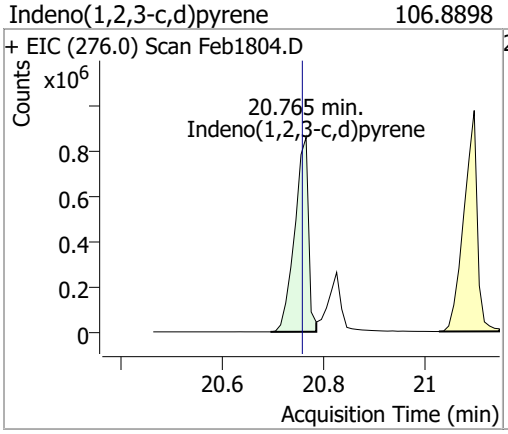
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	101.2295	18.99	0.01	1849719	253.0	22.7	15.1	28.0

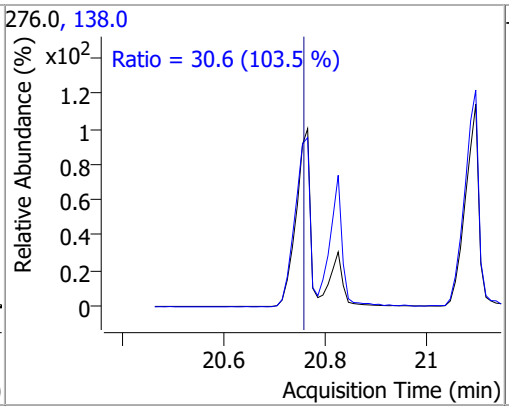


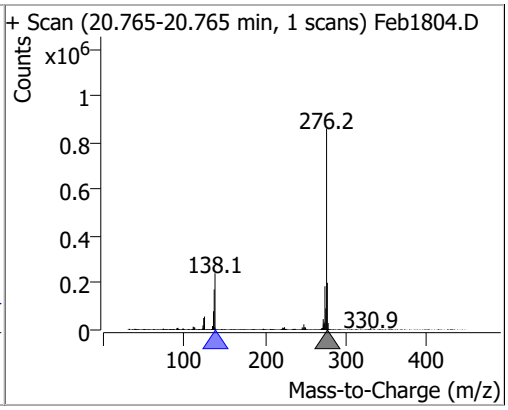




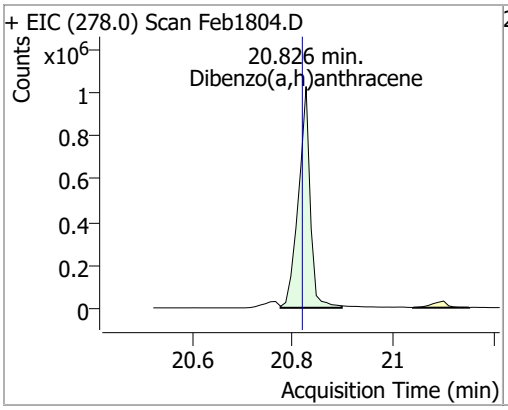
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	106.8898	20.77	0.01	1633072	138.0	30.6	20.7	38.5

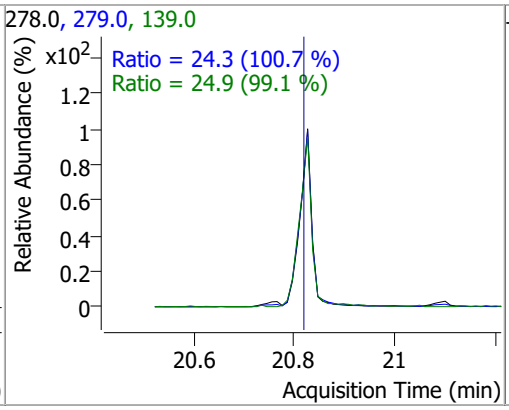


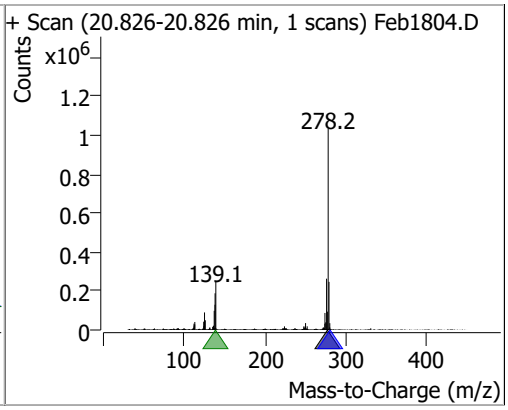




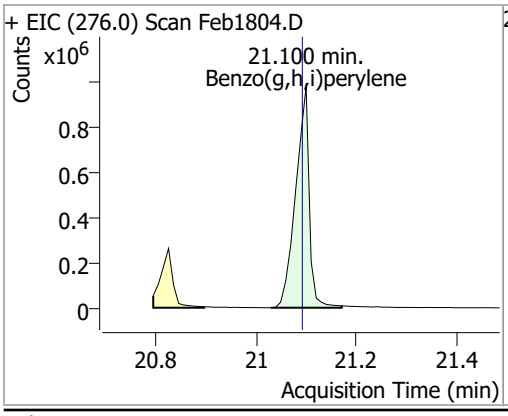
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	100.1029	20.83	0.01	1675258	139.0	24.9	17.6	32.7
					279.0	24.3	16.9	31.3

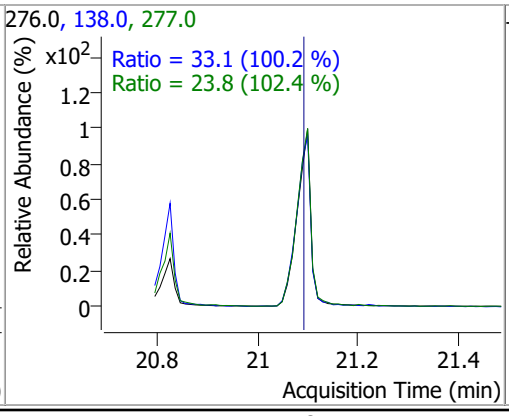


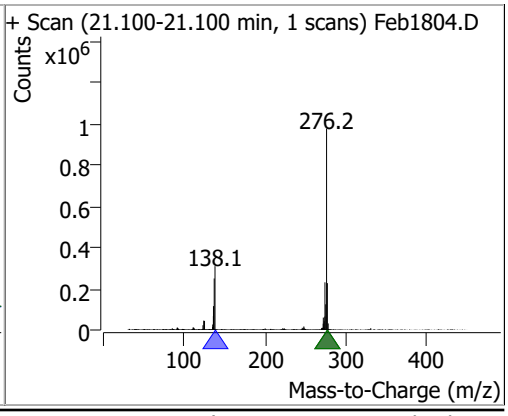




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	103.2475	21.10	0.01	1825037	138.0	33.1	23.1	42.9
					277.0	23.8	16.3	30.2

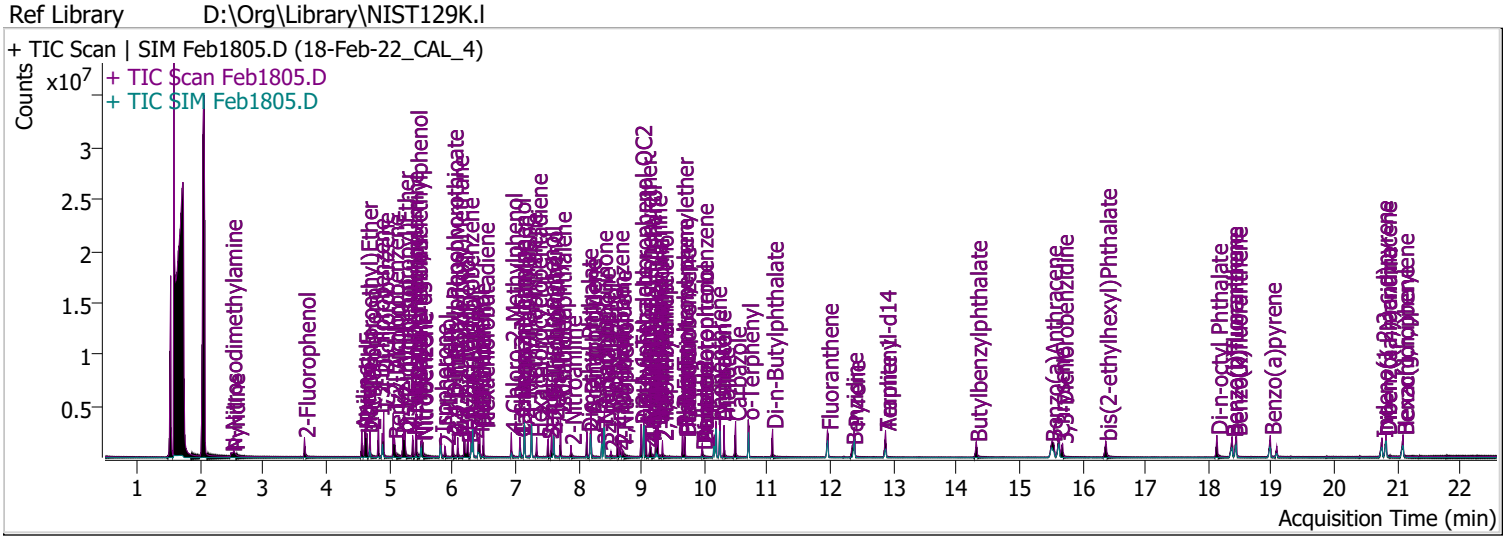






Quantitation Results Report (QT Reviewed)

Data File	Feb1805.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 9:57:53 AM
Sample Name	18-Feb-22_CAL_4	Instrument	Instrument #1
Vial	5	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



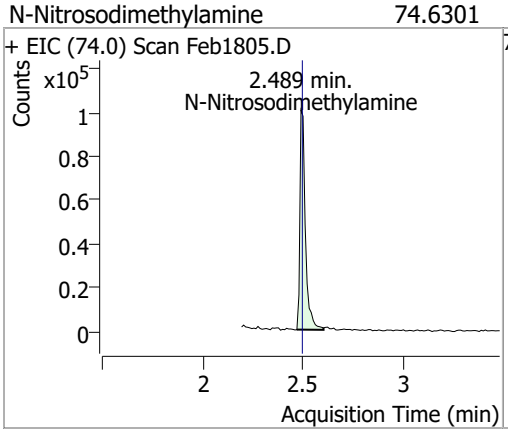
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	609954	74.2355	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 37.12%			
S Phenol-d5	4.613	99.0	789735	74.5966	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 37.30%			
S Nitrobenzene-d5	5.502	82.0	443231	75.1559	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 75.16%			
S 2-Fluorobiphenyl	7.605	172.0	1191628	72.8806	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 72.88%			
S 2,4,6-Tribromophenol	9.336	329.8	103422	75.3083	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 37.65%			
S Terphenyl-d14	12.875	244.3	1286275	73.6549	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 73.65%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.489	74.0	186004	74.6301	µg/L		94
T Pyridine	2.530	79.0	463669	73.7501	µg/L		99
T Aniline	4.562	93.0	1113327	73.8514	µg/L	m	97
T Phenol	4.623	94.0	880405	74.6970	µg/L		100
T bis(-2-Chloroethyl)Ether	4.644	63.0	606109	76.0889	µg/L	m	99
T 2-Chlorophenol	4.695	128.0	708157	75.2284	µg/L		99
T 1,3-Dichlorobenzene	4.828	146.0	915843	76.0831	µg/L	m	99
T 1,4-Dichlorobenzene	4.909	146.0	929421	76.8632	µg/L	m	97
T 1,2-Dichlorobenzene	5.063	146.0	888825	75.7478	µg/L	m	99
T Benzyl Alcohol	5.083	108.0	353272	74.8757	µg/L		99
T bis(2-chloroisopropyl)Ether	5.226	121.0	237128	74.8004	µg/L		98
T 2-Methylphenol	5.246	107.0	594885	72.6095	µg/L		97
T N-nitroso-Di-n-propylamine	5.369	70.0	421834	75.0645	µg/L		95
T 4Methylphenol/3Methylphenol	5.430	107.0	858705	77.0033	µg/L		100
T Hexachloroethane	5.430	117.0	268097	74.4485	µg/L		98

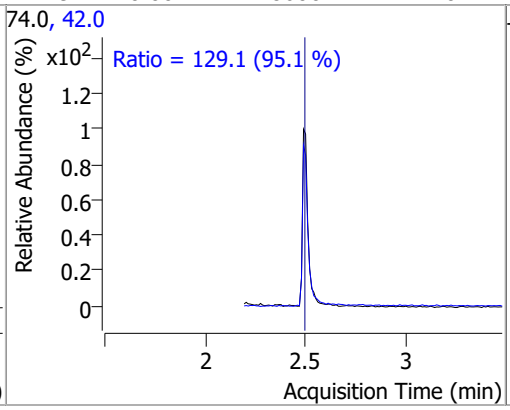
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.522	123.1	210462	70.2948	µg/L		99
T Isophorone	5.818	82.0	1066372	77.1518	µg/L		100
T 2-Nitrophenol	5.880	139.0	223037	72.8971	µg/L		97
T 2,4-Dimethylphenol	6.003	122.0	486601	75.4339	µg/L		97
T bis(-2-Chloroethoxy)Methane	6.085	93.0	572879	71.3861	µg/L		95
T 2,4-Dichlorophenol	6.187	162.0	462781	75.2295	µg/L		96
T Benzoic Acid	6.239	105.0	258415	77.8651	µg/L		89
T 1,2,4-Trichlorobenzene	6.249	180.0	573589	77.8158	µg/L		99
T Naphthalene	6.331	128.0	1714981	78.1039	µg/L		99
T 4-Chlorophenol	6.413	130.0	174790	75.7373	µg/L		86
T p-Chloroaniline	6.434	127.0	681721	79.6395	µg/L		96
T Hexachlorobutadiene	6.496	224.9	296318	77.3594	µg/L		97
T 4-Chloro-2-Methylphenol	6.937	107.0	445081	77.9697	µg/L	m	98
T 4-Chloro-3-Methylphenol	7.071	107.0	450778	75.6784	µg/L	m	98
T 2-Methylnaphthalene	7.143	141.0	914283	73.6320	µg/L		98
T 1-Methylnaphthalene	7.255	141.0	885279	73.0226	µg/L		98
T Hexachlorocyclopentadiene	7.338	236.9	175425	76.1385	µg/L		98
T 2,4,6-Trichlorophenol	7.523	196.0	298561	74.2424	µg/L	m	99
T 2,4,5-Trichlorophenol	7.574	196.0	351204	77.9211	µg/L	m	97
T 2-Chloronaphthalene	7.718	162.0	1085597	79.0504	µg/L		98
T 2-Nitroaniline	7.882	65.0	168135	69.0174	µg/L		99
T Dimethyl Phthalate	8.139	163.0	1115466	80.7167	µg/L		98
T 2,6-Dinitrotoluene	8.190	165.0	142994	75.4480	µg/L		97
T Acenaphthylene	8.200	152.1	1630309	74.2214	µg/L		100
T 3-Nitroaniline	8.394	138.0	165178	76.8514	µg/L		95
T Acenaphthene	8.415	154.0	972895	77.0251	µg/L		99
T 2,4-Dinitrophenol	8.517	184.0	69917	74.3624	µg/L		98
T Dibenzofuran	8.630	168.0	1694536	82.2814	µg/L		99
T 2,4-Dinitrotoluene	8.671	165.0	177941	75.6678	µg/L		94
T 4-Nitrophenol	8.701	109.0	176351	75.8272	µg/L		96
T Diethylphthalate	8.998	149.0	1135235	79.2375	µg/L		99
T Fluorene	9.039	166.0	1295239	78.2626	µg/L		98
T 4-Chlorophenyl-phenylether	9.070	204.0	538645	72.5483	µg/L		99
T 4-Nitroaniline	9.141	138.0	183095	75.7960	µg/L		98
T 4,6-Dinitro-2-methylphenol	9.151	198.0	103285	71.5834	µg/L		91
T N-nitrosodiphenylamine	9.233	169.0	843058	73.9708	µg/L		99
T Azobenzene	9.264	77.0	1137228	75.7023	µg/L		92
T 4-Bromophenyl-phenylether	9.653	248.0	291274	68.6730	µg/L		96
T Hexachlorobenzene	9.694	283.9	312914	71.1350	µg/L		84
T Pentachlorophenol	9.968	265.9	145556	72.8650	µg/L		95
T Phenanthrene	10.181	178.0	1733051	72.5377	µg/L		99
T Anthracene	10.252	178.0	1747621	78.0189	µg/L		99
T Triallate	10.313	86.0	391641	74.1071	µg/L		98
T Carbazole	10.495	167.0	1698426	74.7873	µg/L		99
T o-Terphenyl	10.697	230.0	906169	71.7460	µg/L		99
T Di-n-Butylphthalate	11.082	149.0	1582606	74.7048	µg/L		99
T Fluoranthene	11.953	202.0	1750781	73.6261	µg/L		98
T Benzidine	12.348	184.0	646709	77.0454	µg/L		100
T Pyrene	12.379	202.0	1900991	73.1770	µg/L		98
T Butylbenzylphthalate	14.316	149.0	511792	74.4763	µg/L		98
T Benzo(a)Anthracene	15.512	228.0	1426052	77.0979	µg/L		99
T Chrysene	15.624	228.0	1551059	74.7328	µg/L		98
T 3,3-Dichlorobenzidine	15.686	252.0	486419	74.8233	µg/L		99
T bis(2-ethylhexyl)Phthalate	16.370	167.0	177810	75.1376	µg/L		99
T Di-n-octyl Phthalate	18.132	149.0	1227671	76.2190	µg/L		98

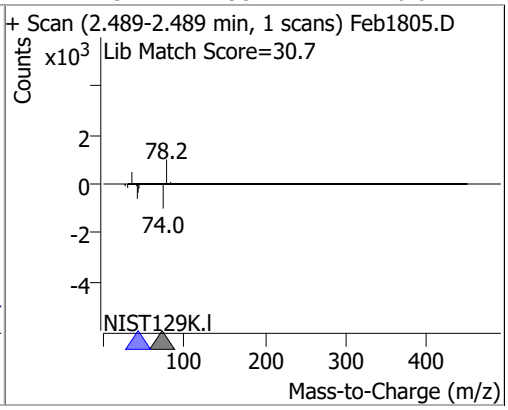
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.375	252.0	1375648	76.6560	µg/L	98
T Benzo(k)fluoranthene	18.446	252.0	1413651	74.9266	µg/L	97
T Benzo(a)pyrene	18.983	252.0	1275566	75.1028	µg/L	97
T Indeno(1,2,3-c,d)pyrene	20.755	276.0	1059042	74.2839	µg/L	97
T Dibenzo(a,h)anthracene	20.816	278.0	1205859	77.7360	µg/L	99
T Benzo(g,h,i)perylene	21.089	276.0	1242728	75.6388	µg/L	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

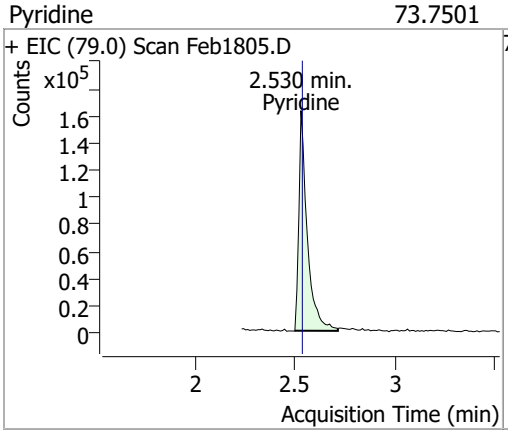
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	74.6301	2.49	0.00	186004	42.0	129.1	95.1	176.6

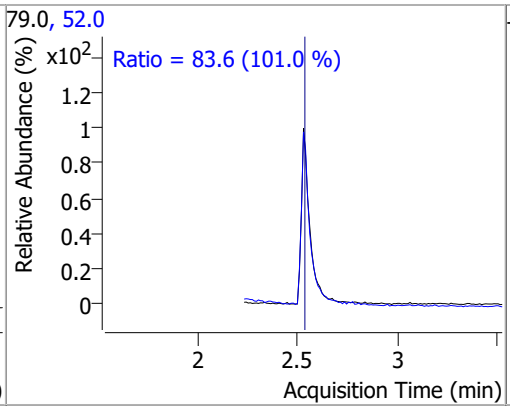


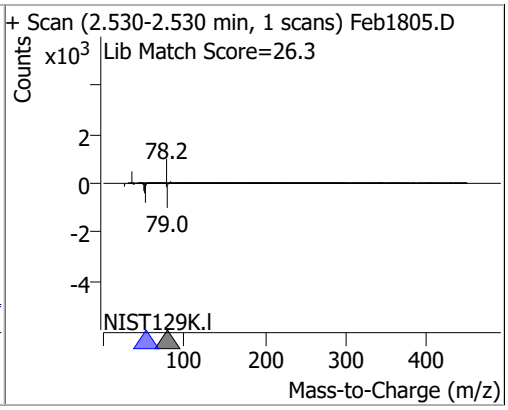




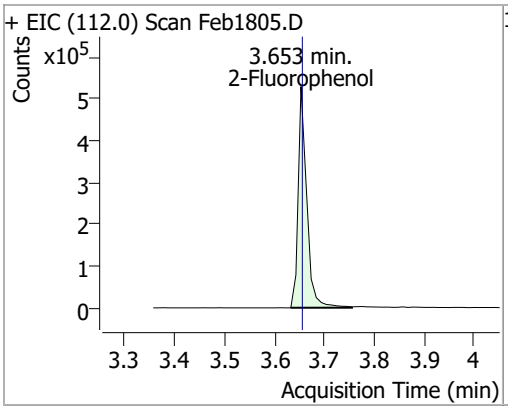
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	73.7501	2.53	0.00	463669	52.0	83.6	57.9	107.6

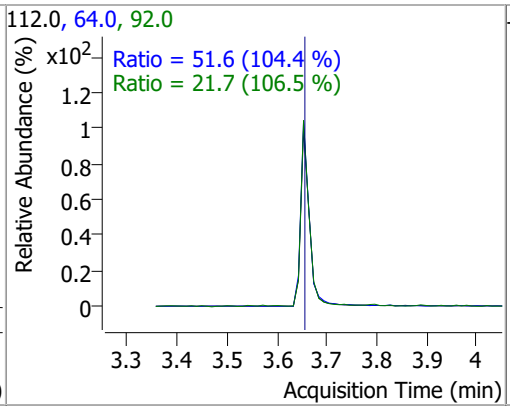


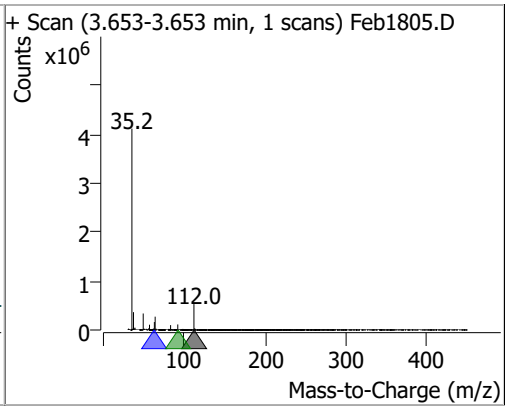




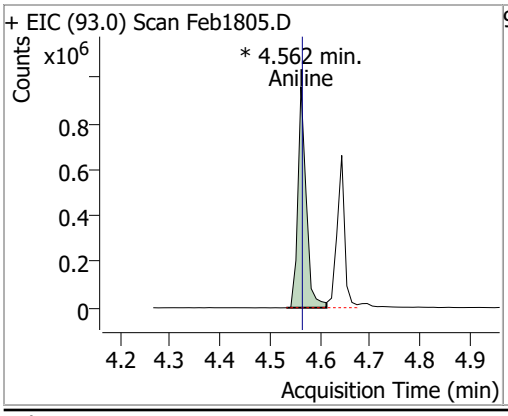
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	74.2355	3.65	0.00	609954	64.0	51.6	34.6	64.3
					92.0	21.7	14.2	26.5

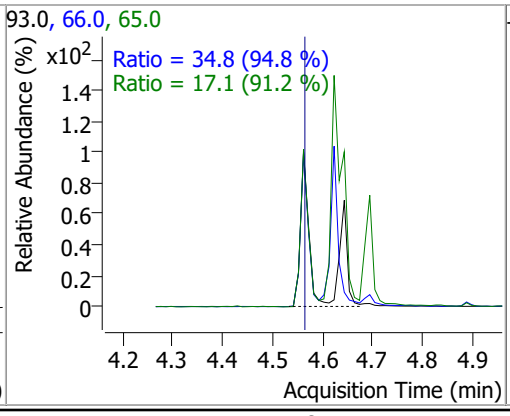


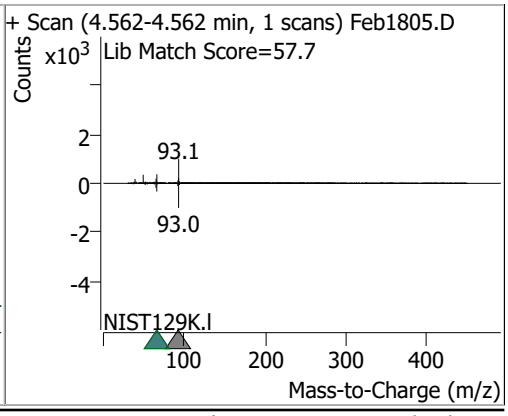




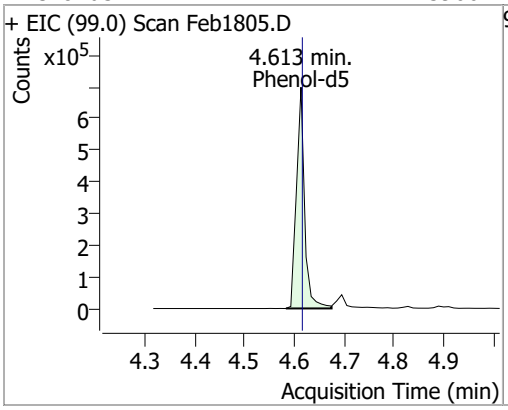
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	73.8514	4.56	0.00	1113327 (m)	66.0	34.8	25.7	47.8
					65.0	17.1	13.1	24.4

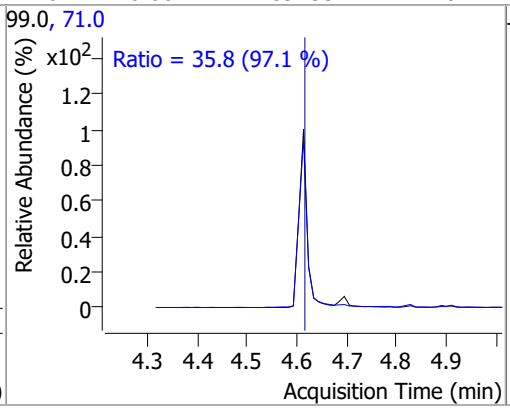


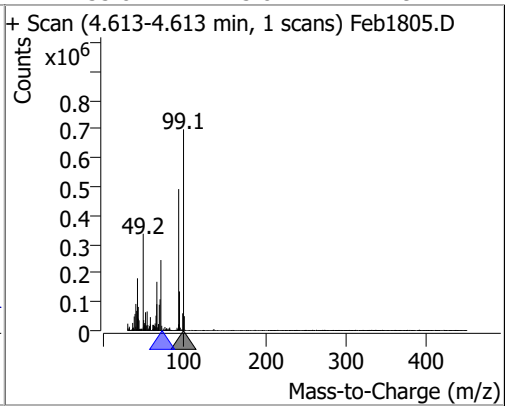




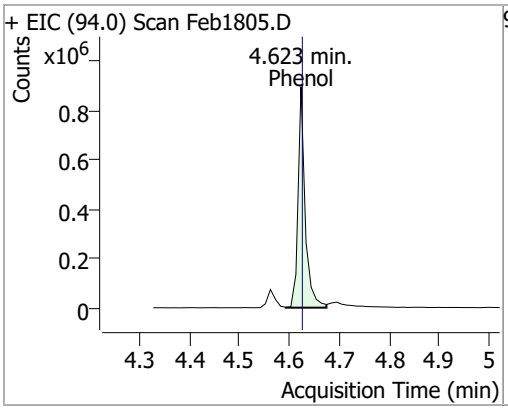
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	74.5966	4.61	0.00	789735	71.0	35.8	25.8	47.9

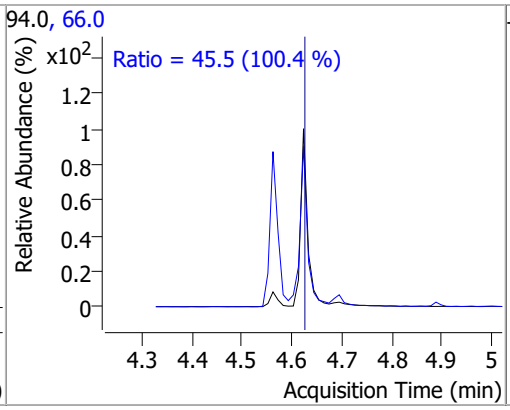


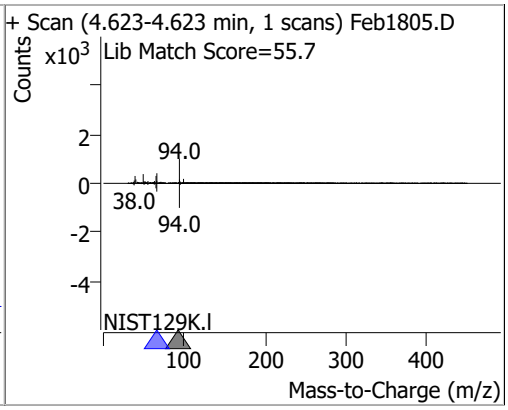




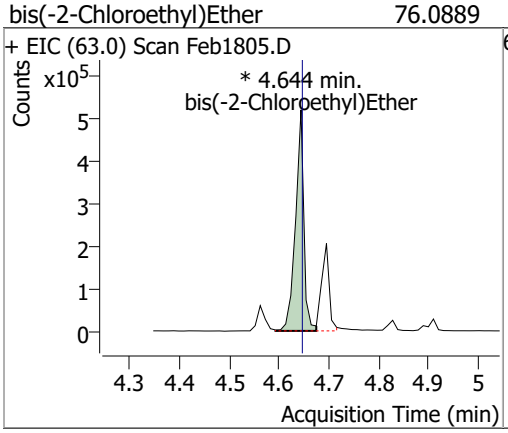
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	74.6970	4.62	0.00	880405	66.0	45.5	31.7	58.9

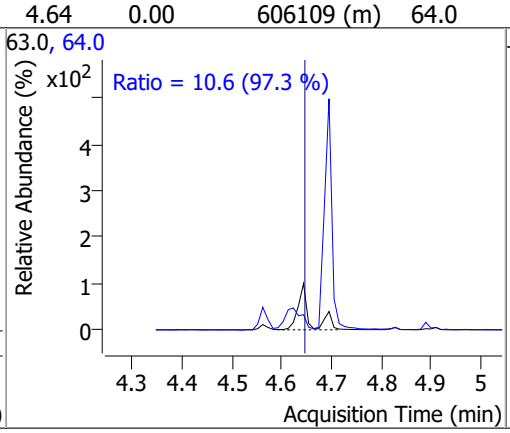


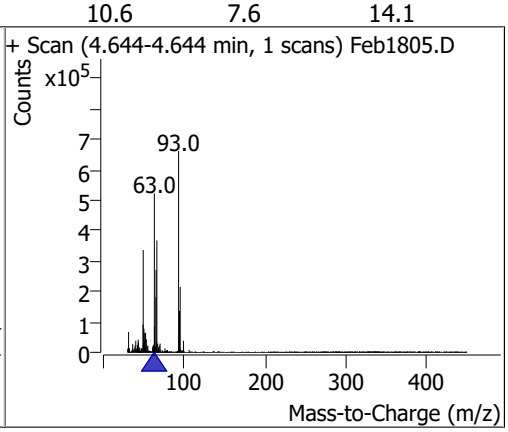




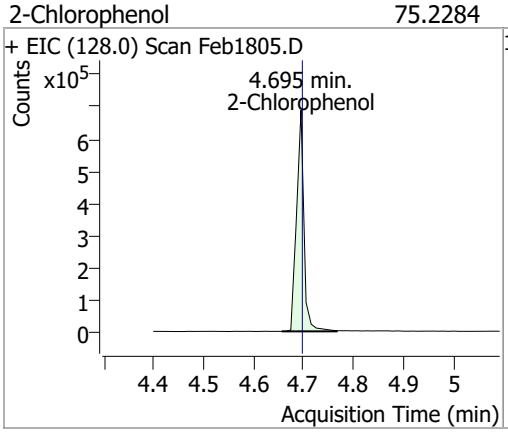
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	76.0889	4.64	0.00	606109 (m)	64.0	10.6	7.6	14.1

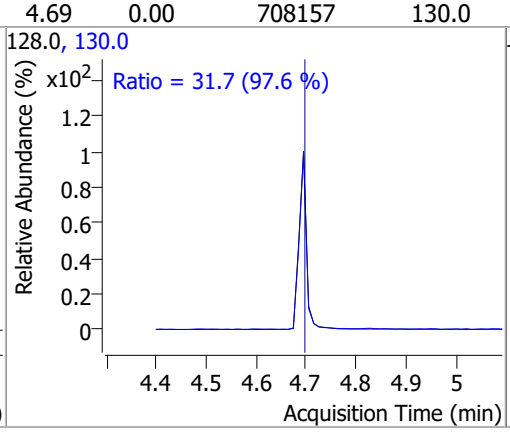


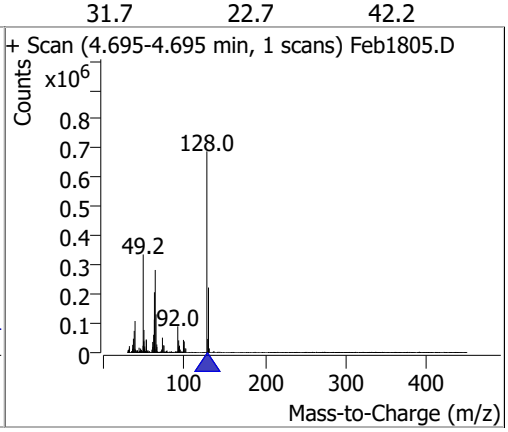




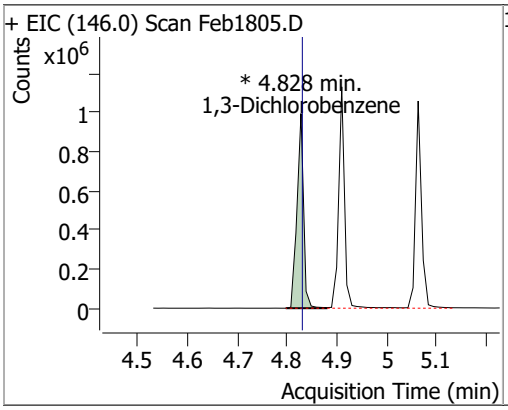
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	75.2284	4.69	0.00	708157	130.0	31.7	22.7	42.2

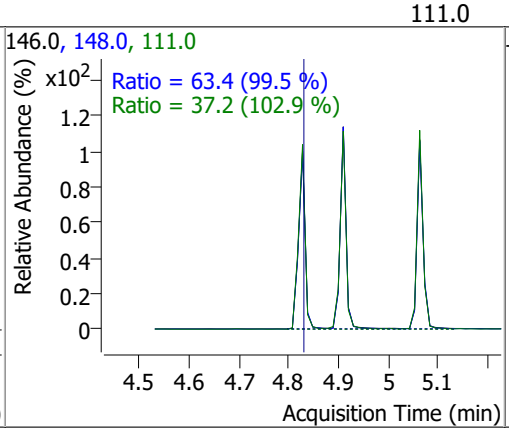


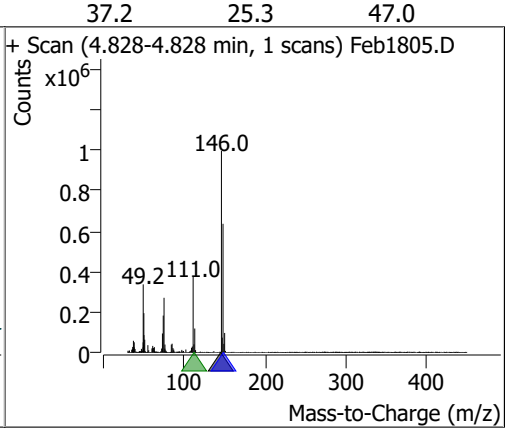




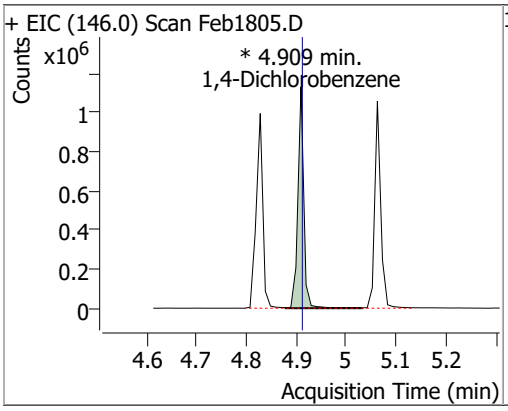
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	76.0831	4.83	0.00	915843 (m)	148.0	63.4	44.6	82.8
					111.0	37.2	25.3	47.0

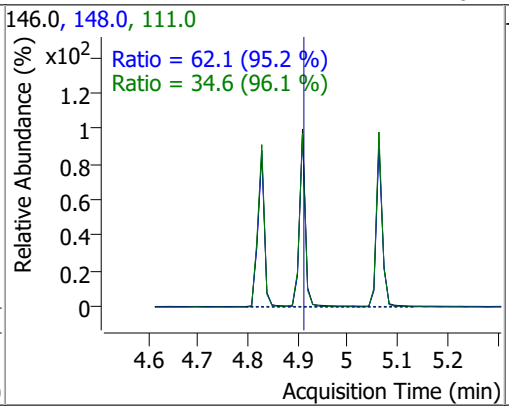


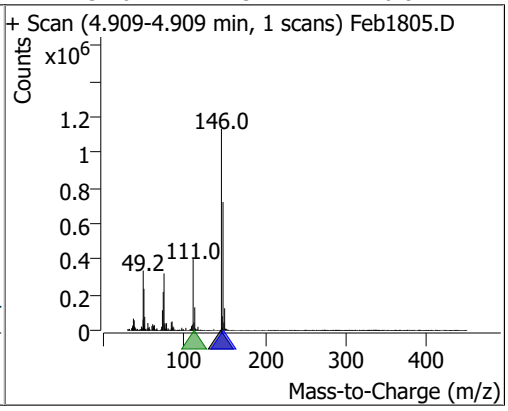




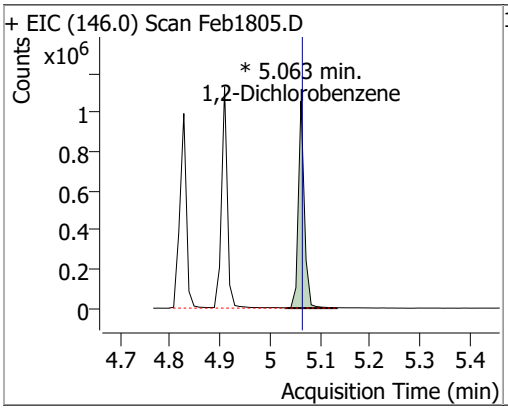
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	76.8632	4.91	0.00	929421 (m)	148.0	62.1	45.6	84.8
					111.0	34.6	25.2	46.8

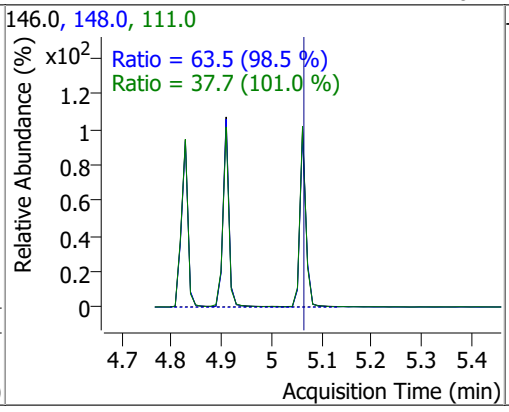


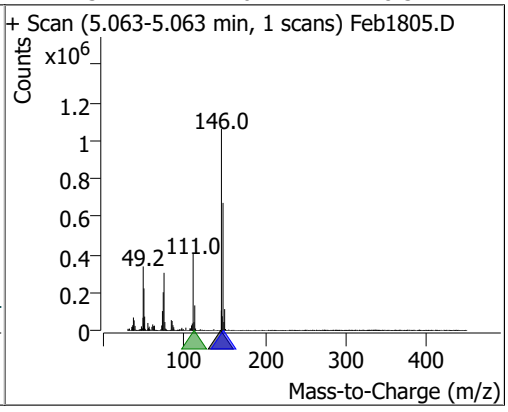




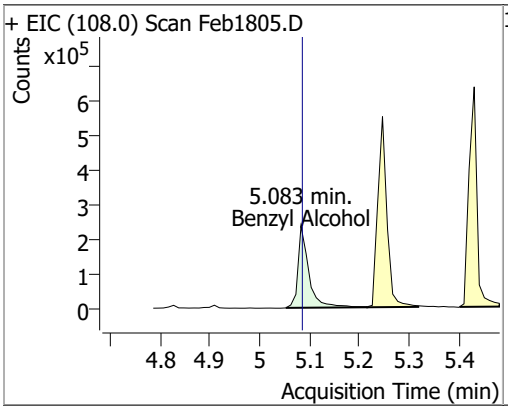
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	75.7478	5.06	0.00	888825 (m)	148.0	63.5	45.1	83.8
					111.0	37.7	26.1	48.5

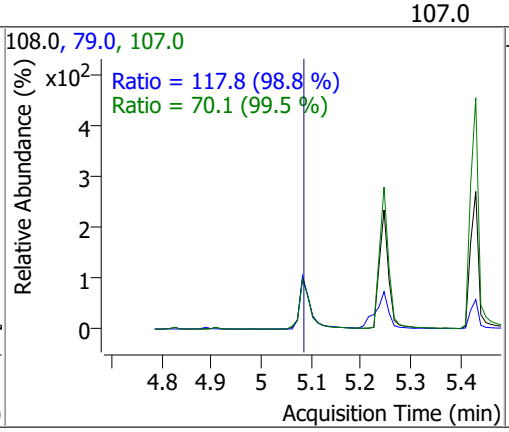


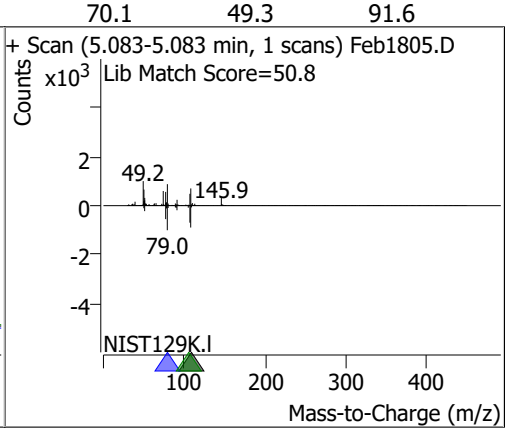




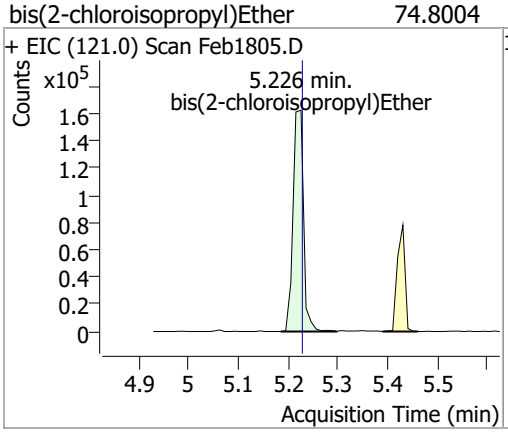
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	74.8757	5.08	0.00	353272	79.0	117.8	83.5	155.1
					107.0	70.1	49.3	91.6

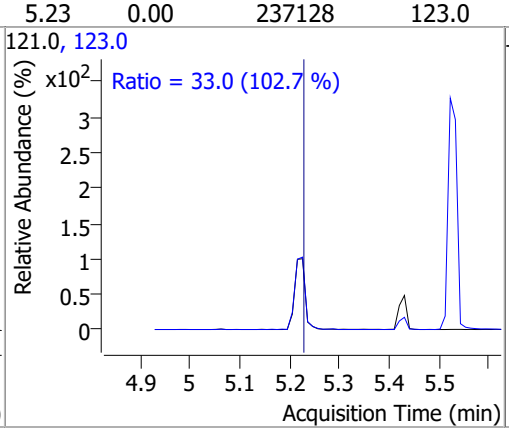


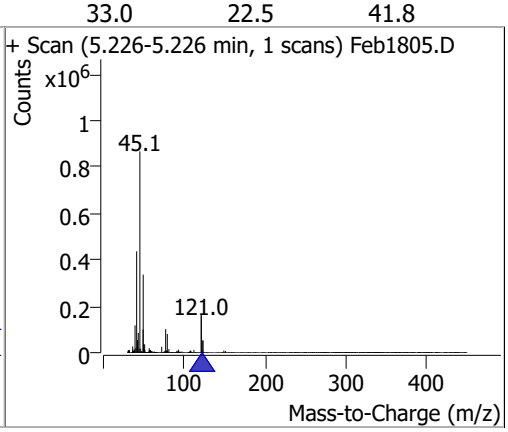




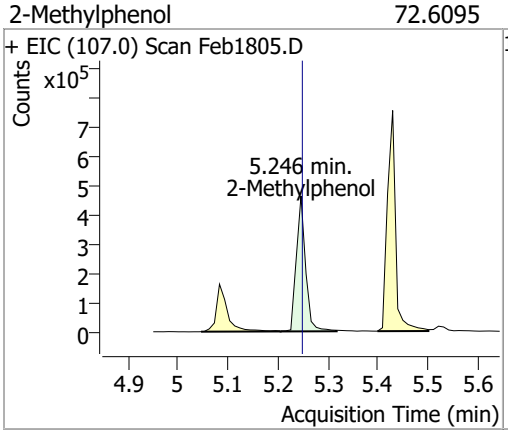
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	74.8004	5.23	0.00	237128	123.0	33.0	22.5	41.8

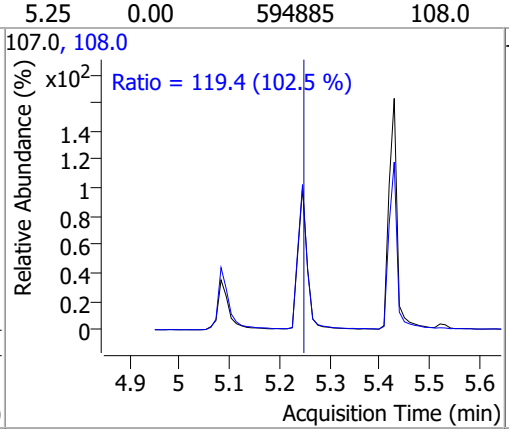


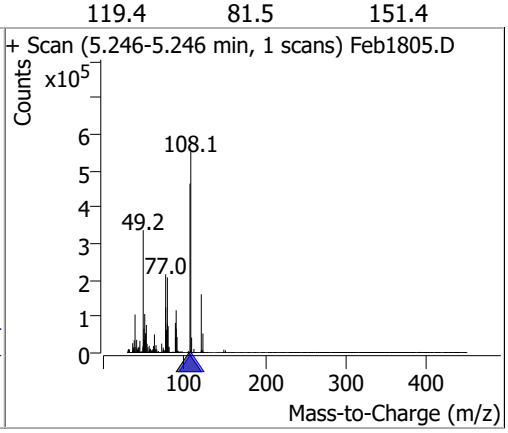




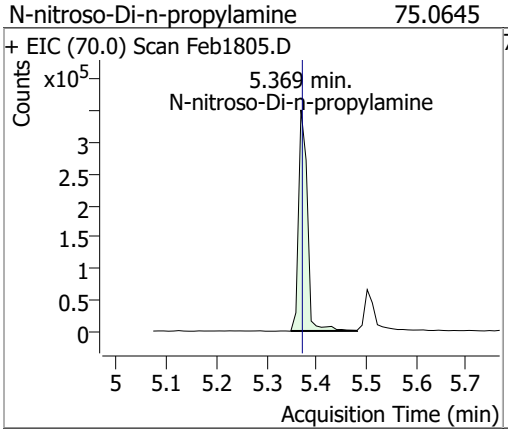
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	72.6095	5.25	0.00	594885	108.0	119.4	81.5	151.4

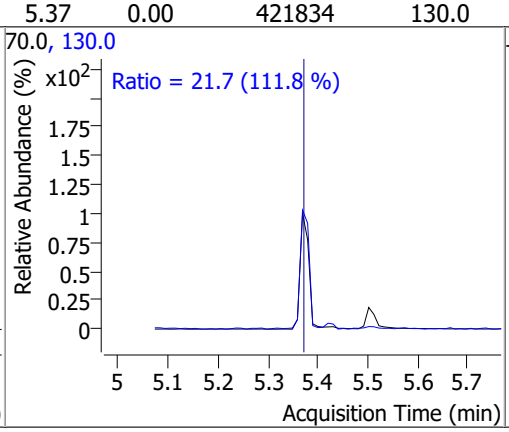


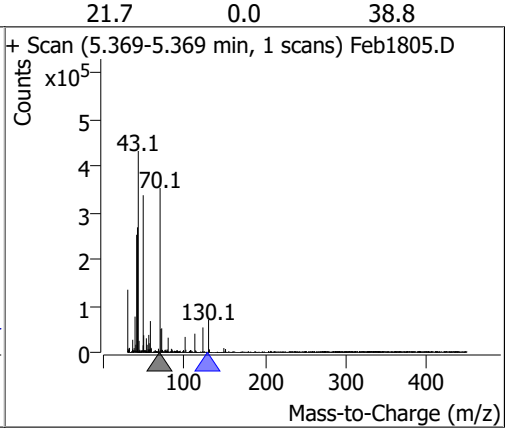




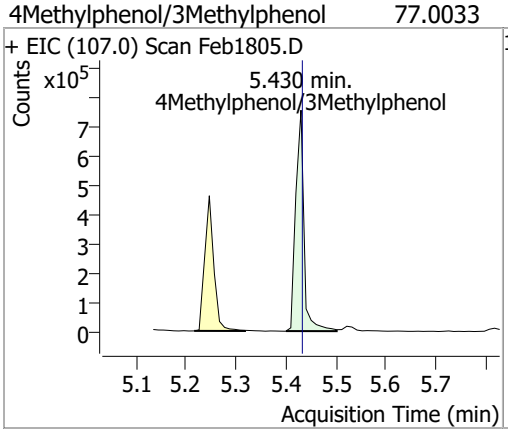
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	75.0645	5.37	0.00	421834	130.0	21.7	0.0	38.8

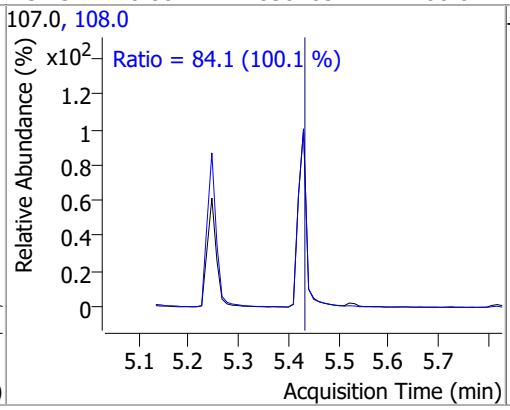


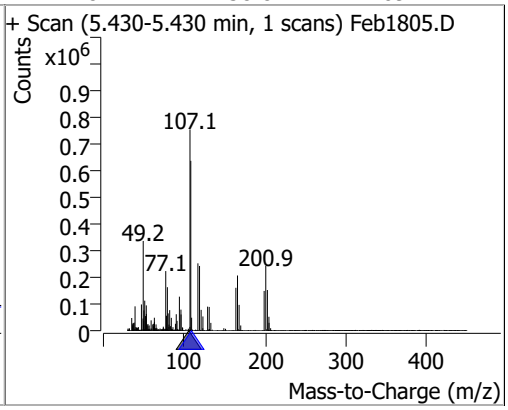




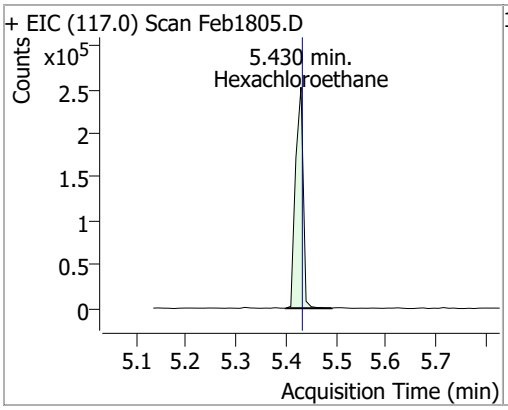
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	77.0033	5.43	0.00	858705	108.0	84.1	58.8	109.1

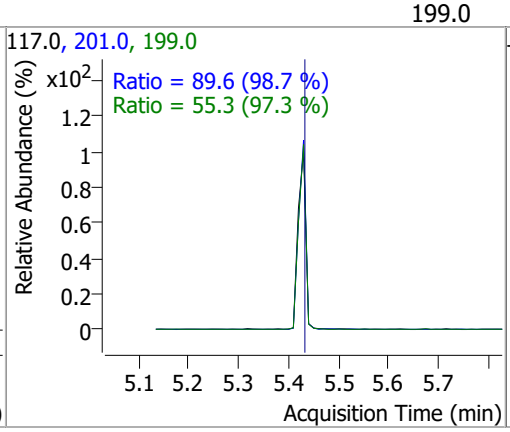


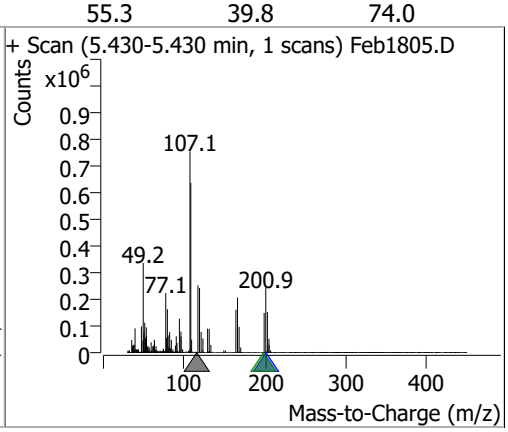




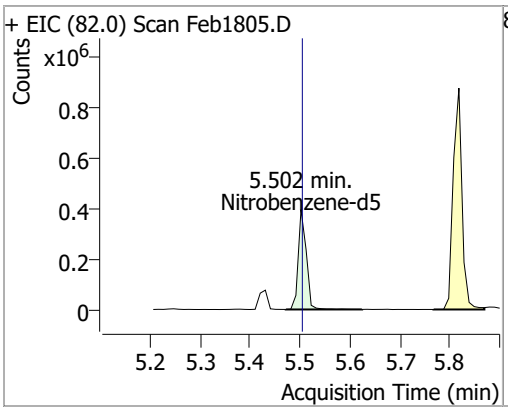
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	74.4485	5.43	0.00	268097	201.0	89.6	63.5	118.0
					199.0	55.3	39.8	74.0

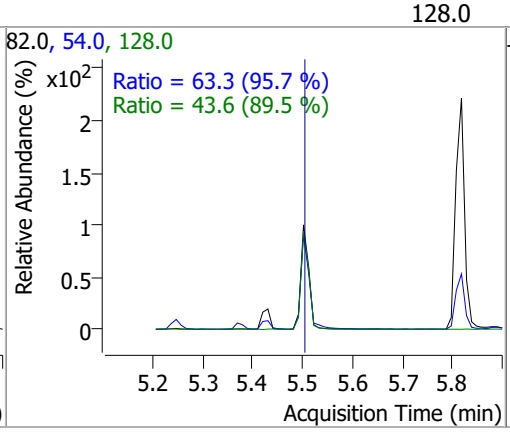


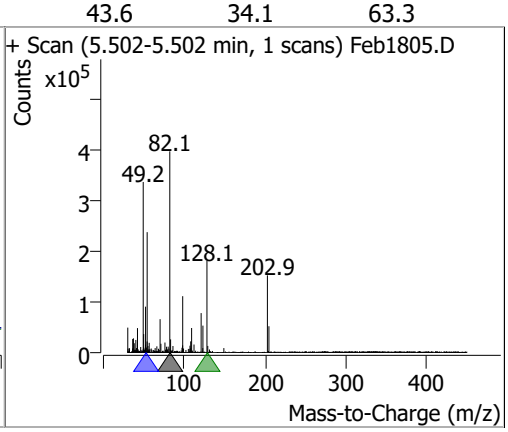




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	75.1559	5.50	0.00	443231	54.0	63.3	46.3	86.0
					128.0	43.6	34.1	63.3

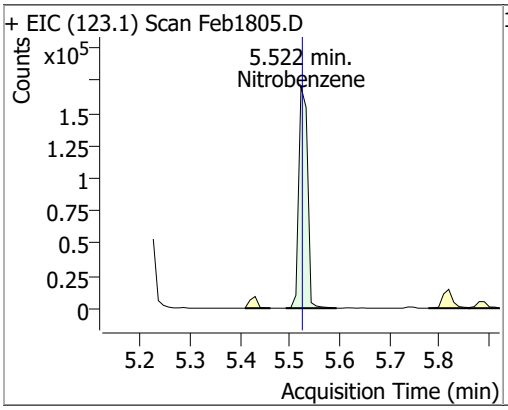


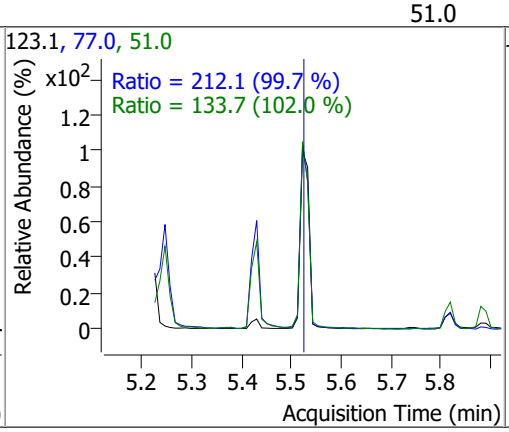


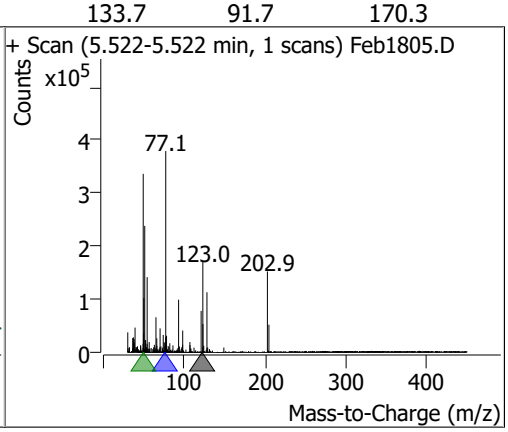


Quantitation Results Report (QT Reviewed)

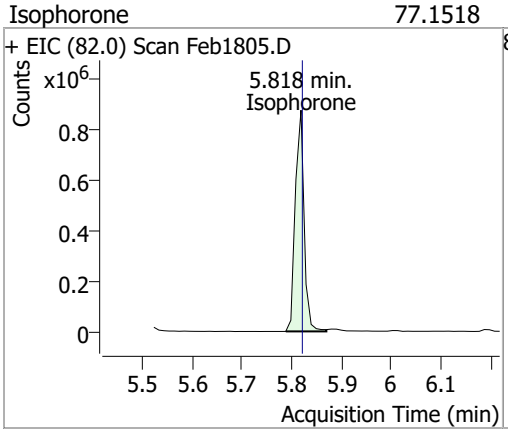
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	70.2948	5.52	0.00	210462	77.0	212.1	148.9	276.5
					51.0	133.7	91.7	170.3

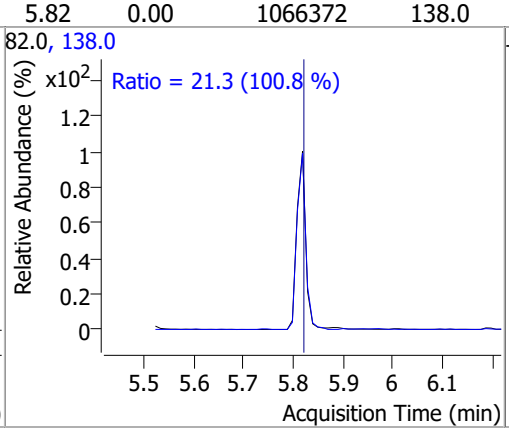


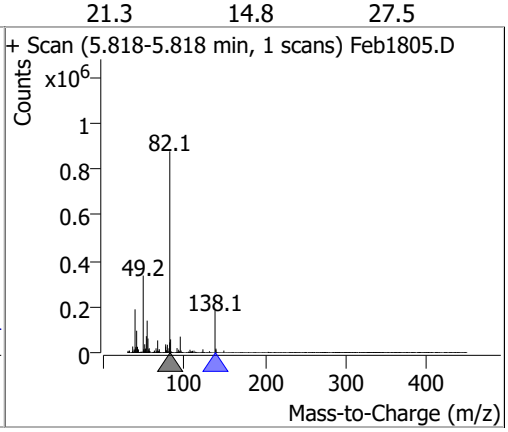




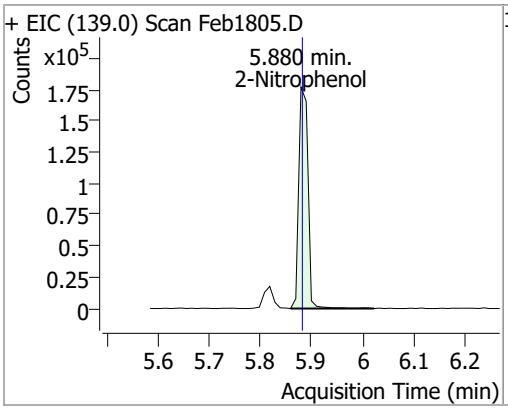
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	77.1518	5.82	0.00	1066372	138.0	21.3	14.8	27.5

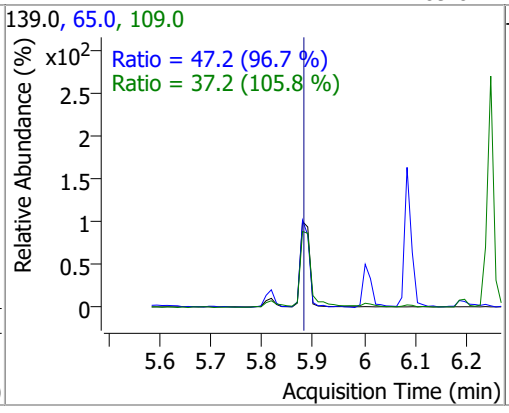


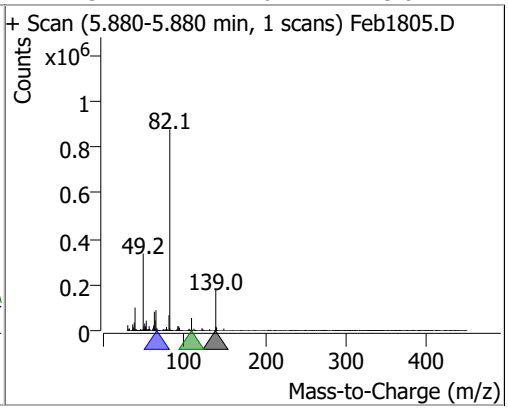




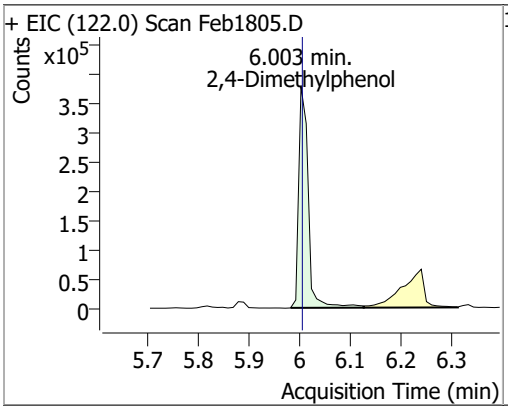
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	72.8971	5.88	0.00	223037	65.0	47.2	34.2	63.4
					109.0	37.2	24.6	45.8

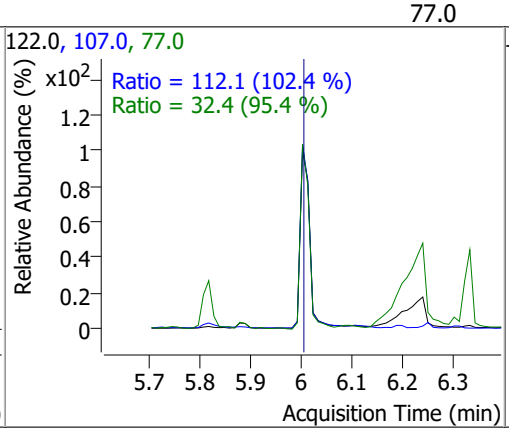


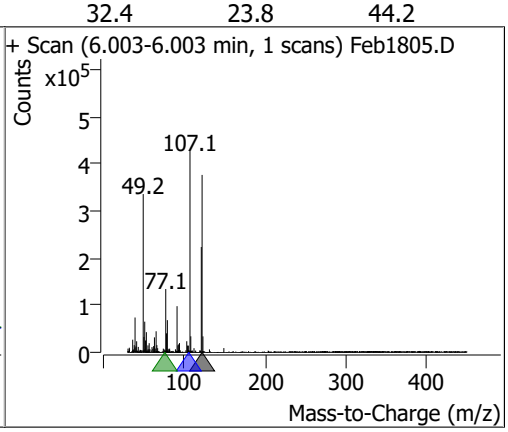




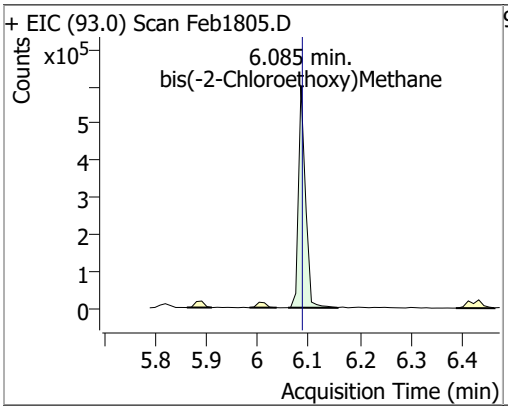
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	75.4339	6.00	0.00	486601	107.0	112.1	76.6	142.3
					77.0	32.4	23.8	44.2

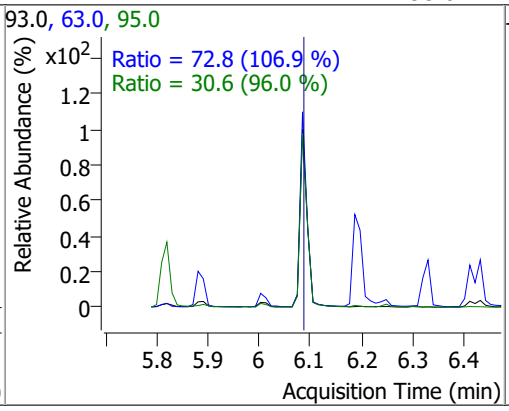


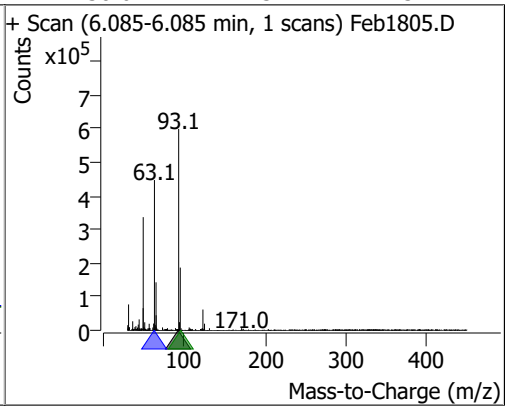




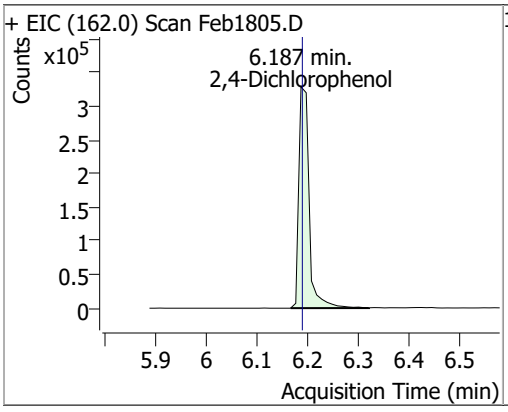
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	71.3861	6.08	0.00	572879	63.0	72.8	47.7	88.6
					95.0	30.6	22.3	41.5

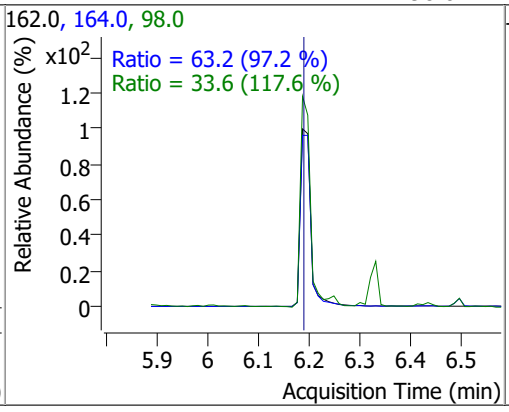


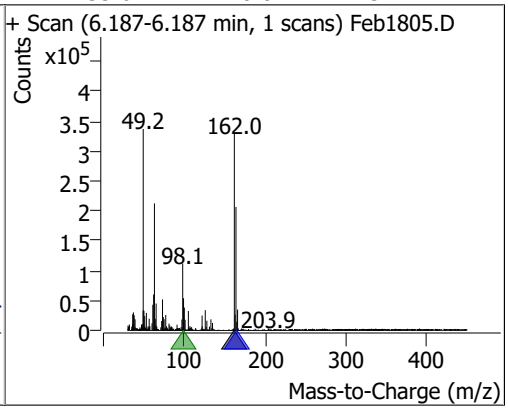




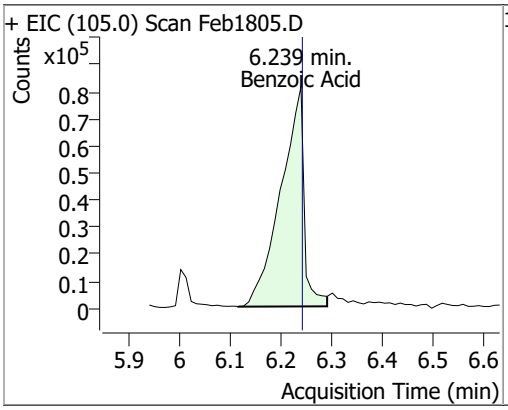
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	75.2295	6.19	0.00	462781	164.0	63.2	45.5	84.5
					98.0	33.6	20.0	37.1

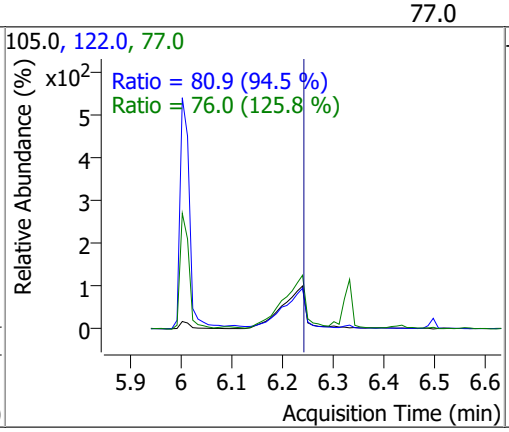


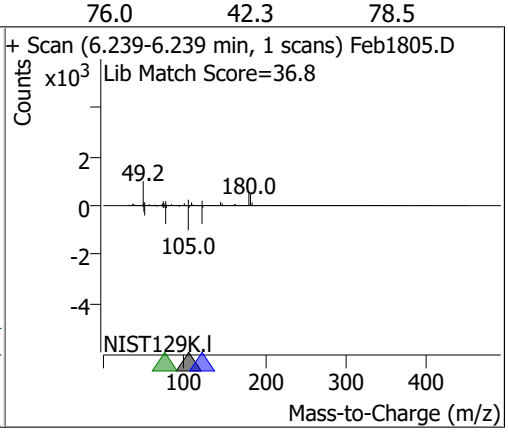




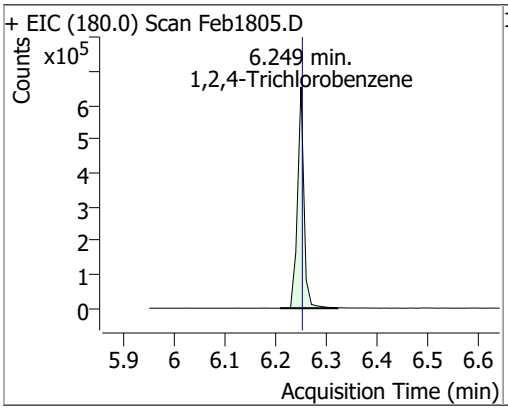
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	77.8651	6.24	0.00	258415	122.0	80.9	59.9	111.2
					77.0	76.0	42.3	78.5

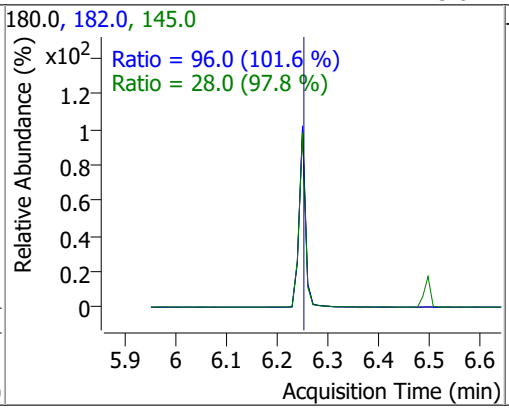


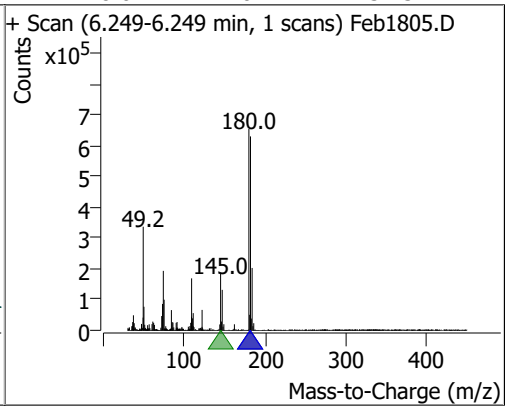




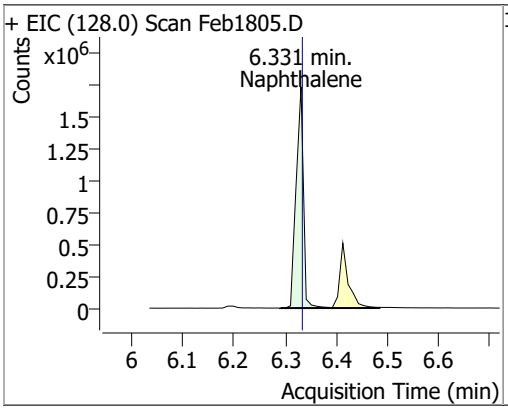
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	77.8158	6.25	0.00	573589	182.0	96.0	66.2	122.9
					145.0	28.0	20.1	37.3

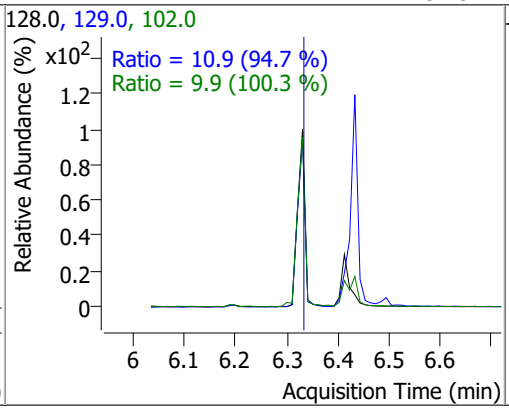


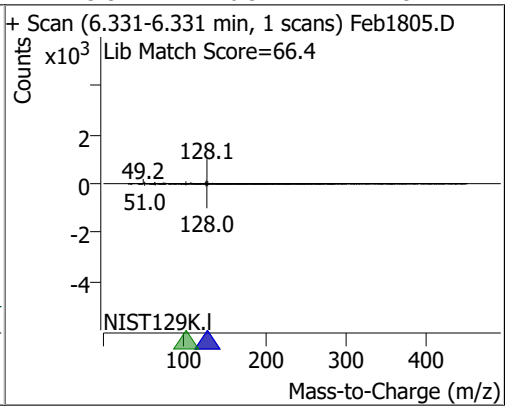




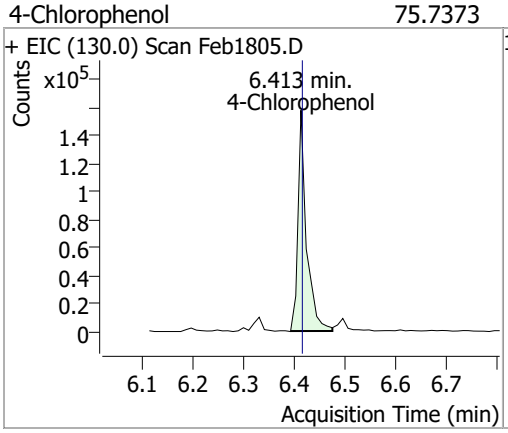
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	78.1039	6.33	0.00	1714981	129.0	10.9	8.0	14.9
					102.0	9.9	6.9	12.9

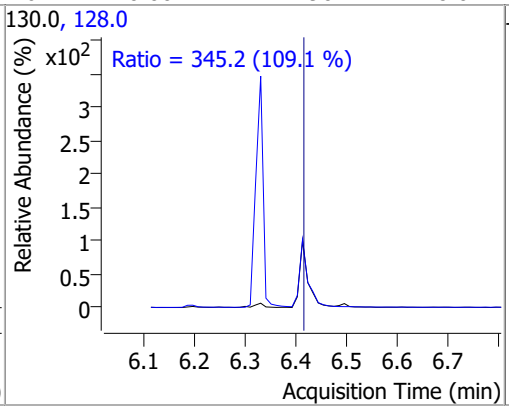


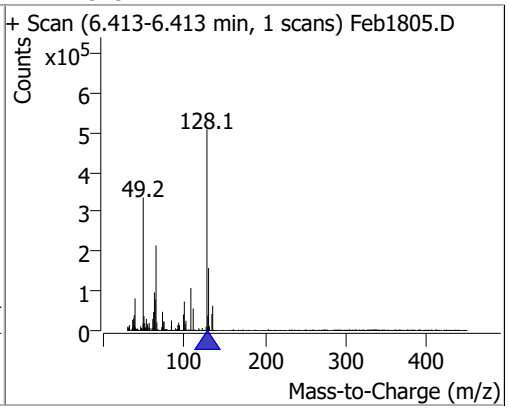




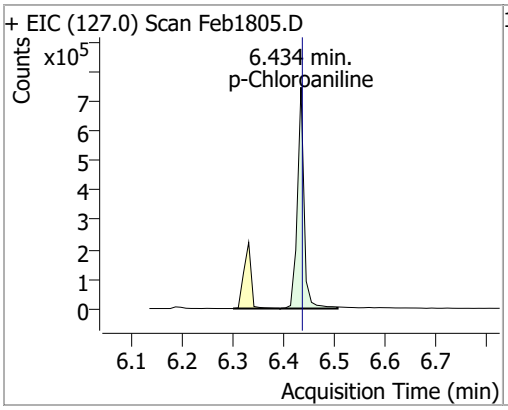
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	75.7373	6.41	0.00	174790	128.0	345.2	221.4	411.2

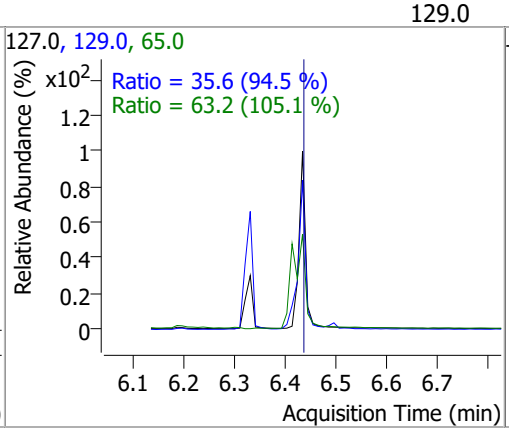


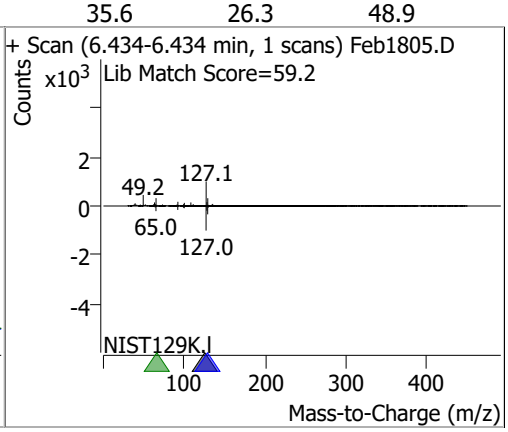




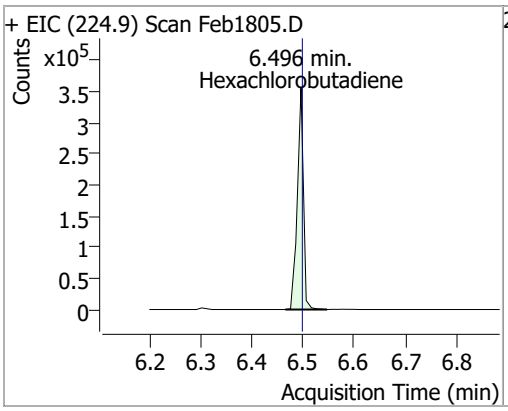
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	79.6395	6.43	0.00	681721	65.0	63.2	42.1	78.2
					129.0	35.6	26.3	48.9

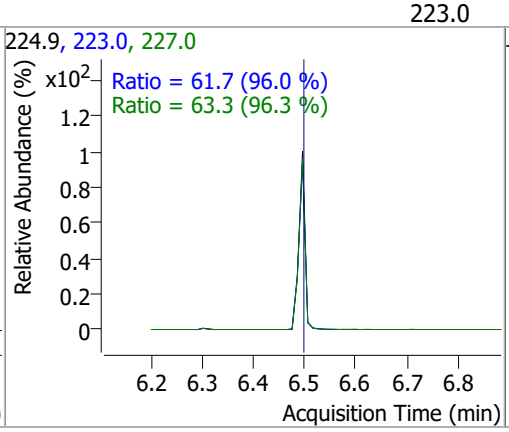


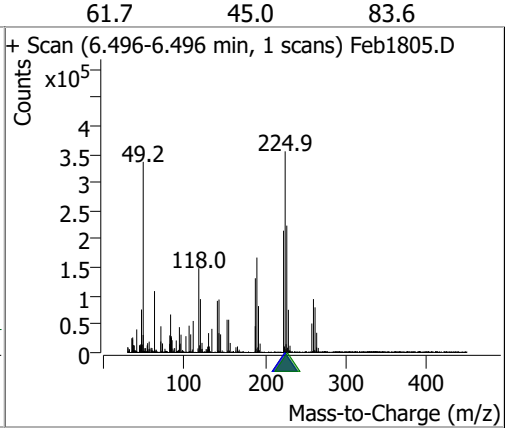




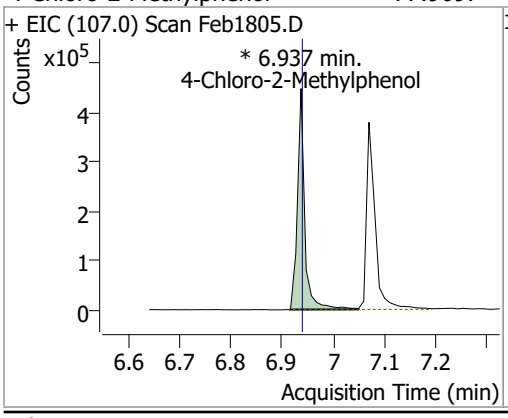
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	77.3594	6.50	0.00	296318	227.0	63.3	46.0	85.4
					223.0	61.7	45.0	83.6

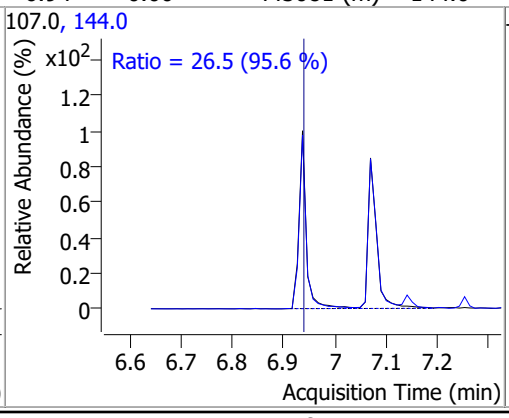


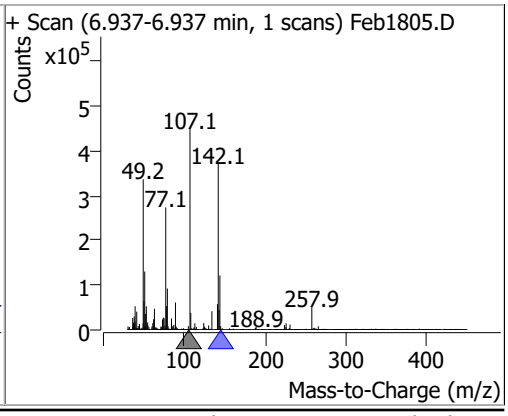




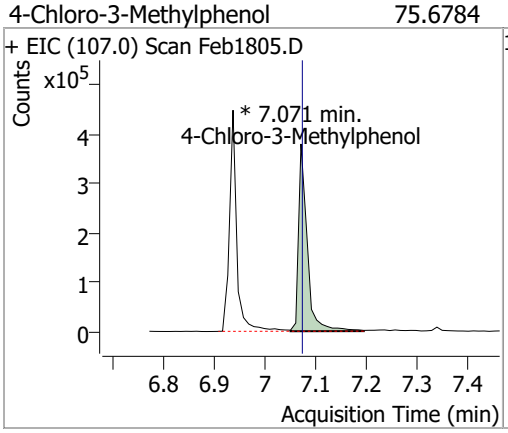
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	77.9697	6.94	0.00	445081 (m)	144.0	26.5	19.4	36.1

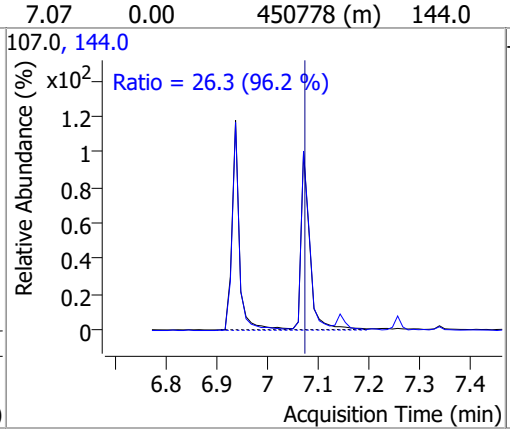


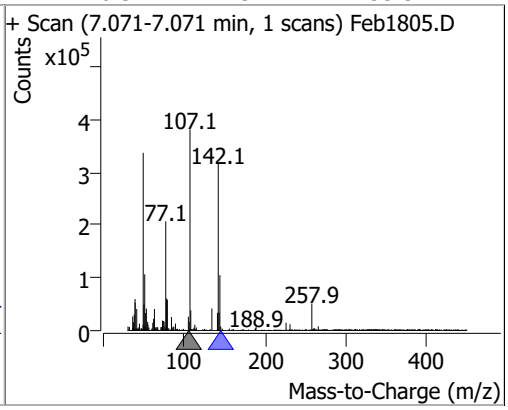




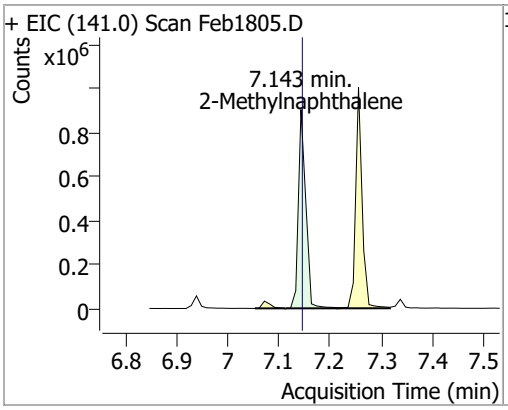
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	75.6784	7.07	0.00	450778 (m)	144.0	26.3	19.1	35.5

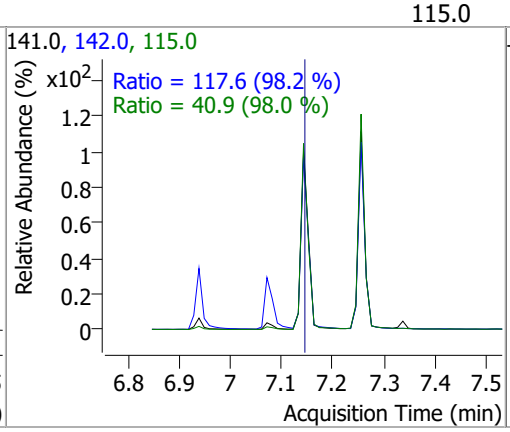


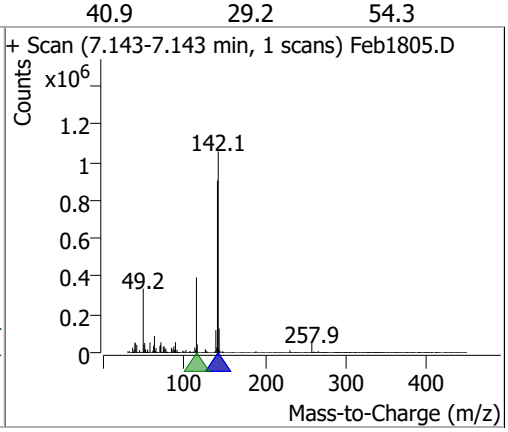




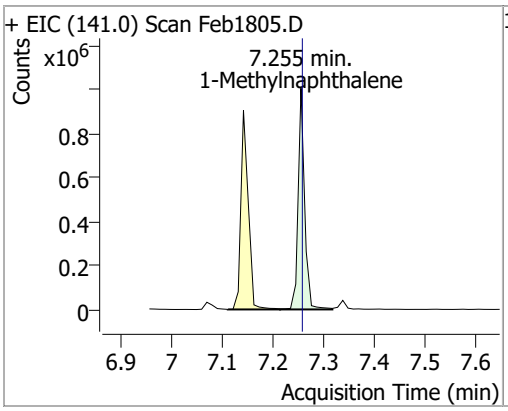
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	73.6320	7.14	0.00	914283	142.0	117.6	83.8	155.7
					115.0	40.9	29.2	54.3

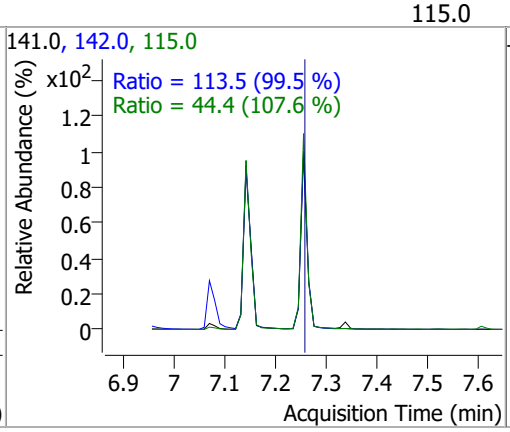


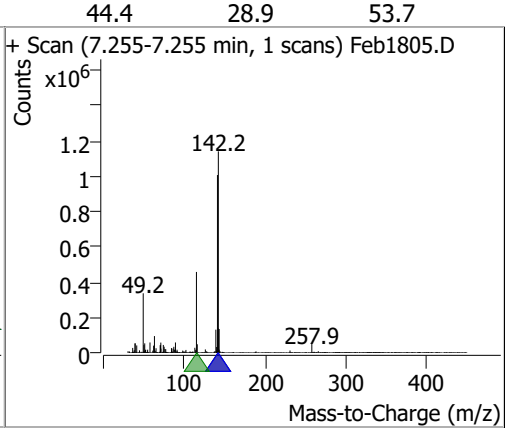




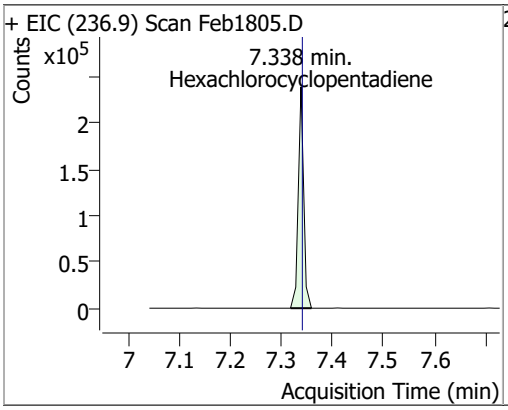
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	73.0226	7.26	0.00	885279	142.0	113.5	79.8	148.2
					115.0	44.4	28.9	53.7

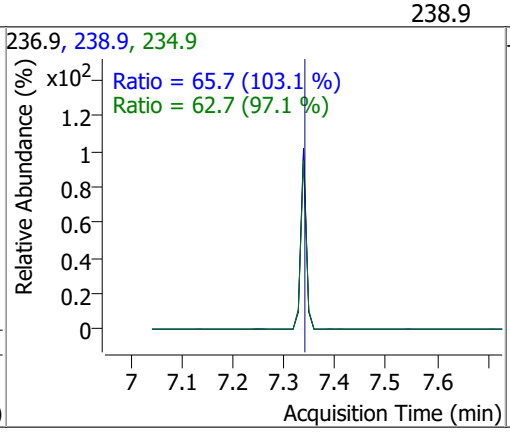


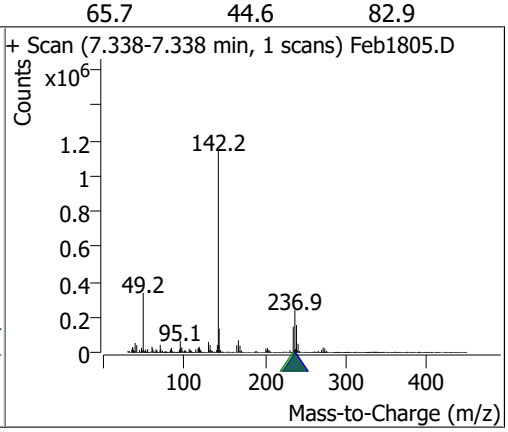




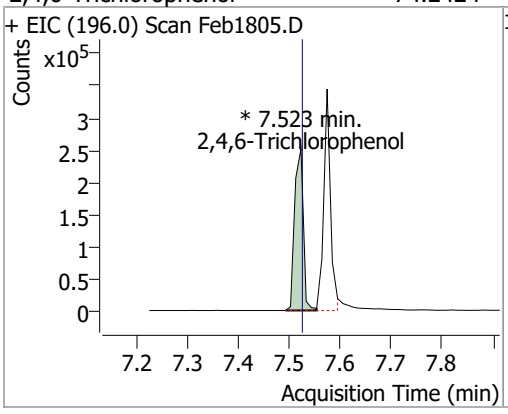
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	76.1385	7.34	0.00	175425	234.9	62.7	45.2	84.0
					238.9	65.7	44.6	82.9

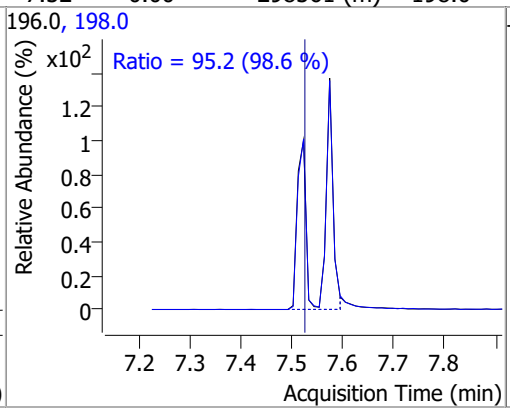


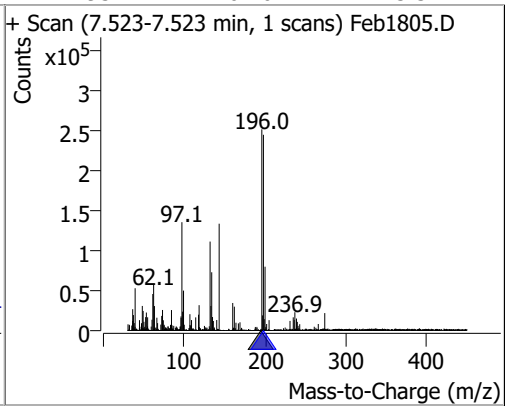




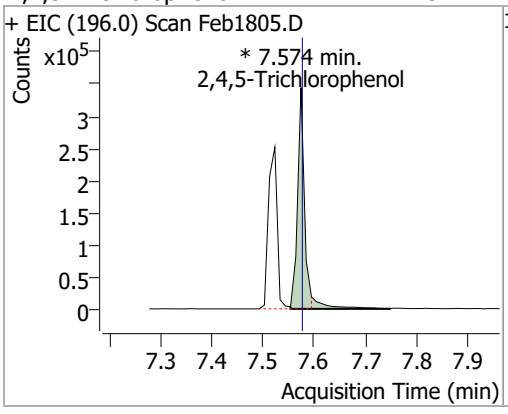
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	74.2424	7.52	0.00	298561 (m)	198.0	95.2	67.6	125.5

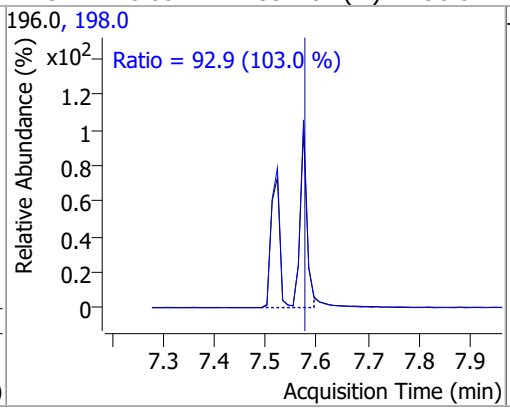


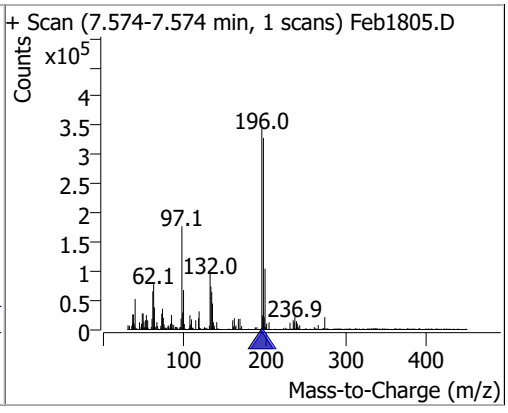




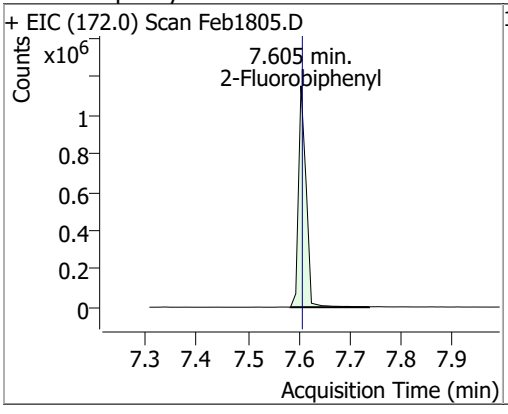
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	77.9211	7.57	0.00	351204 (m)	198.0	92.9	63.2	117.3

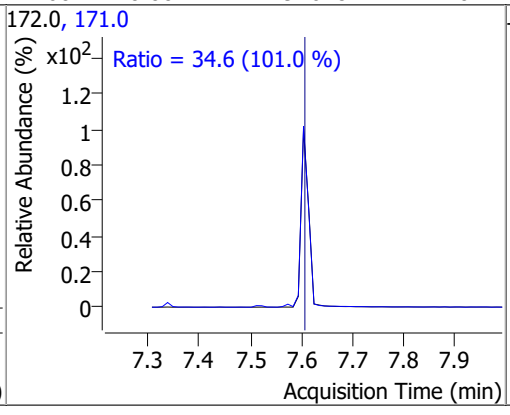


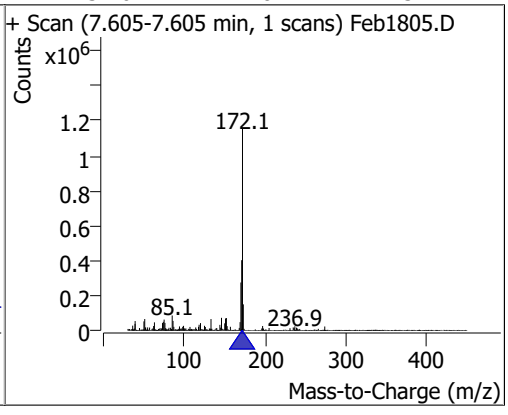




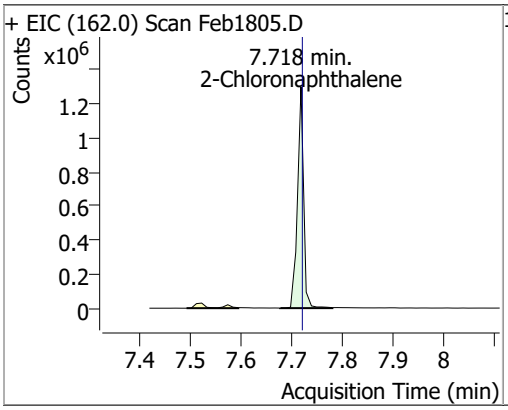
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	72.8806	7.60	0.00	1191628	171.0	34.6	24.0	44.5

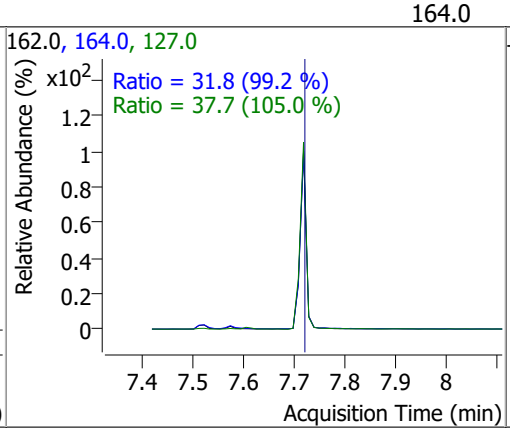


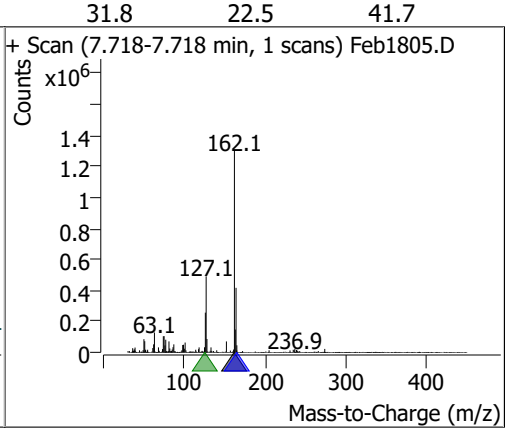




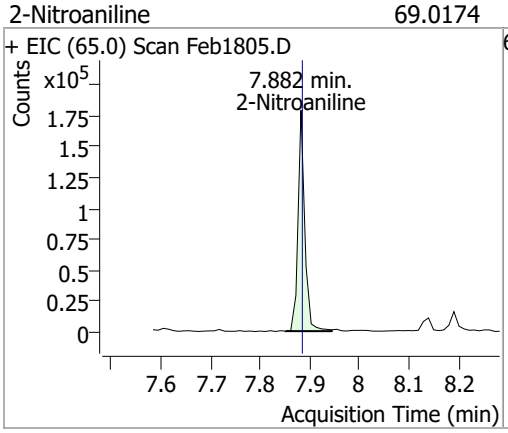
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	79.0504	7.72	0.00	1085597	127.0	37.7	25.1	46.7
					164.0	31.8	22.5	41.7

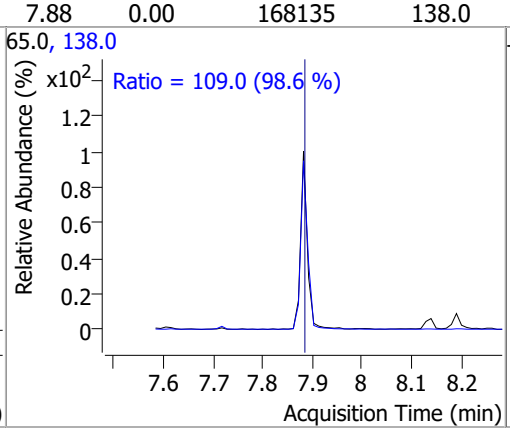


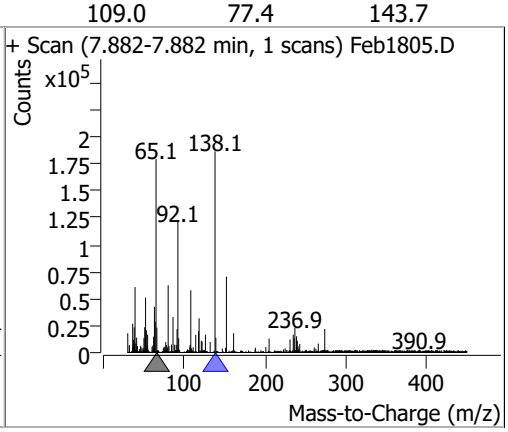




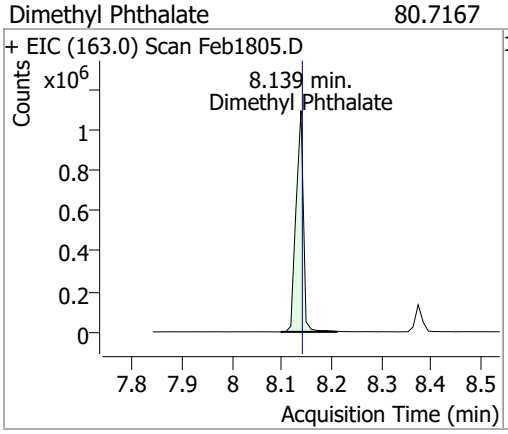
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	69.0174	7.88	0.00	168135	138.0	109.0	77.4	143.7

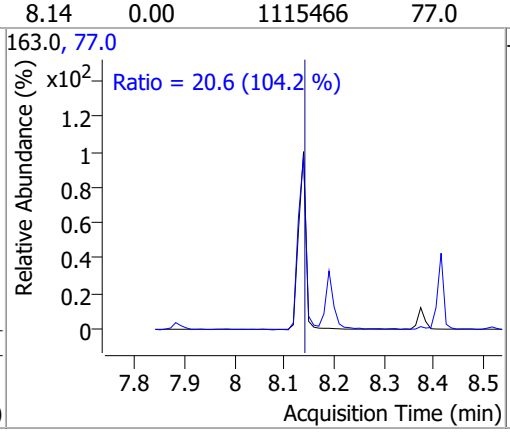


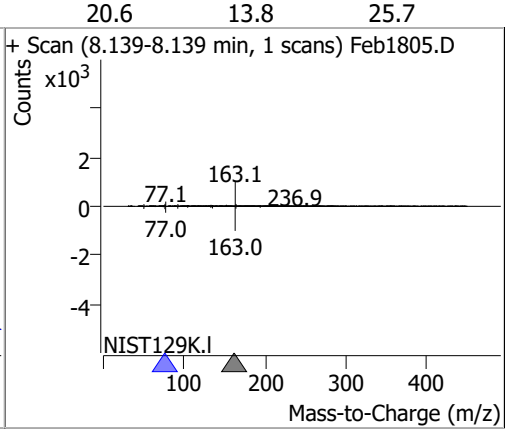




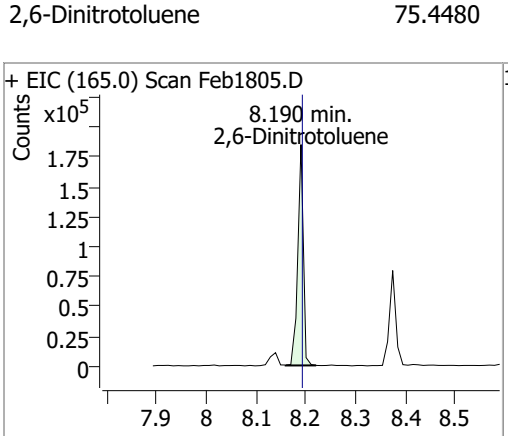
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	80.7167	8.14	0.00	1115466	77.0	20.6	13.8	25.7

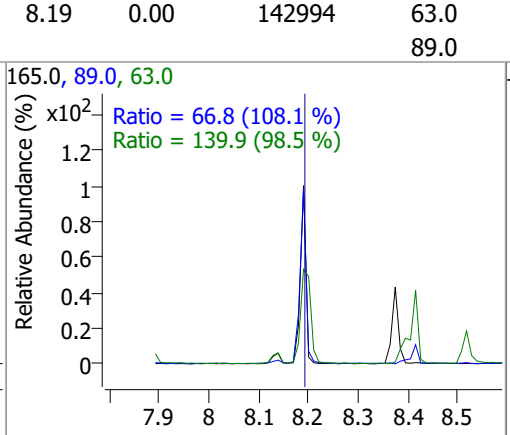


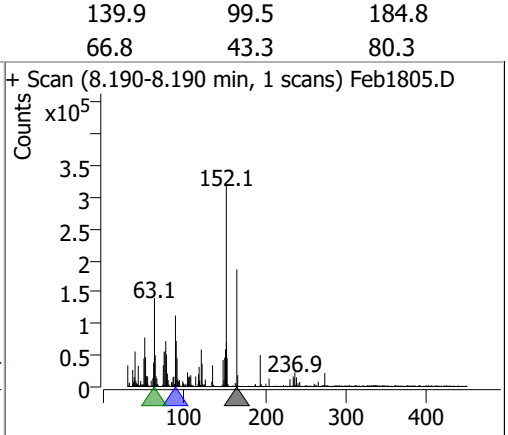




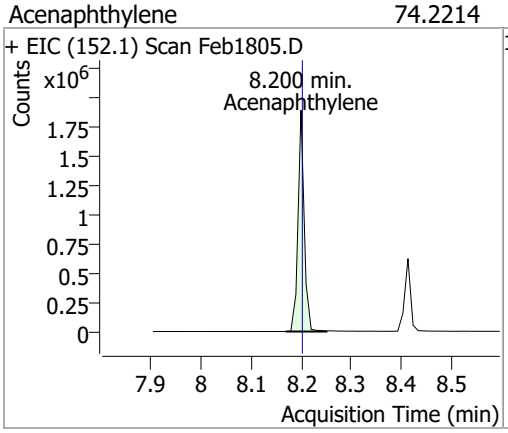
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	75.4480	8.19	0.00	142994	63.0	139.9	99.5	184.8
					89.0	66.8	43.3	80.3

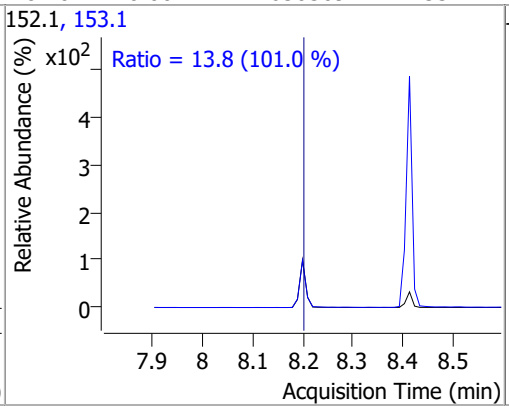


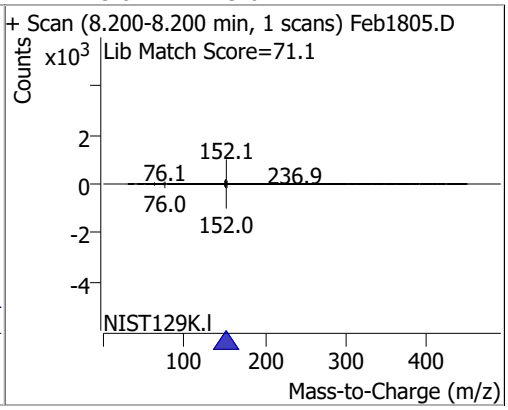




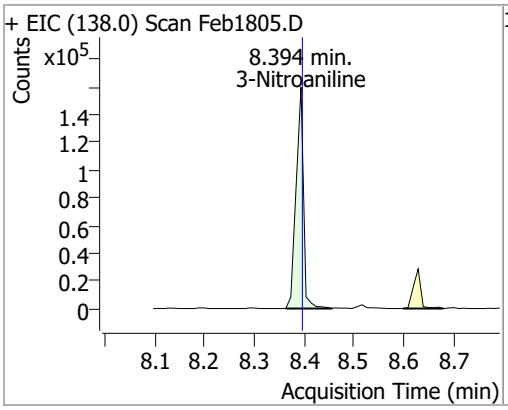
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	74.2214	8.20	0.00	1630309	153.1	13.8	9.6	17.7

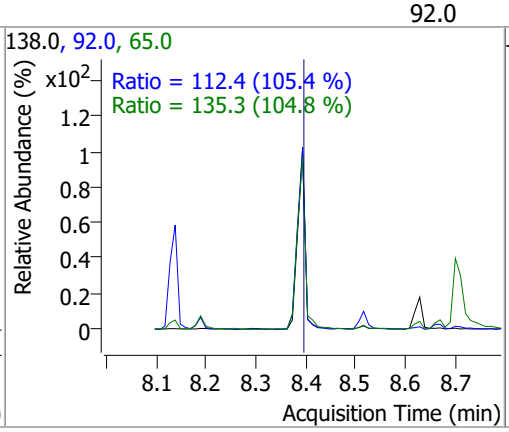


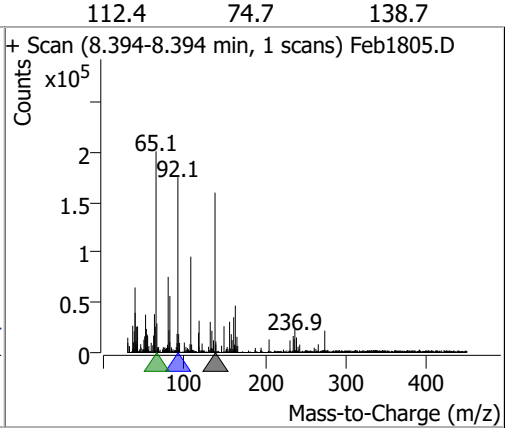




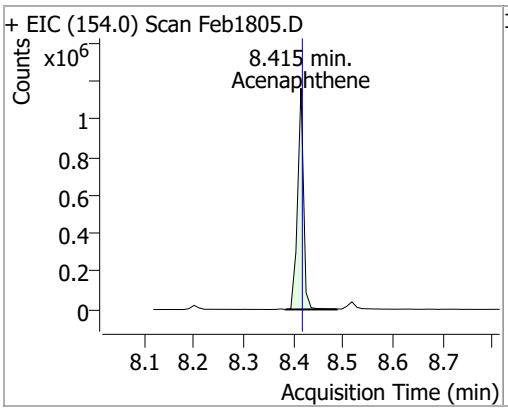
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	76.8514	8.39	0.00	165178	65.0	135.3	90.4	167.8
					92.0	112.4	74.7	138.7

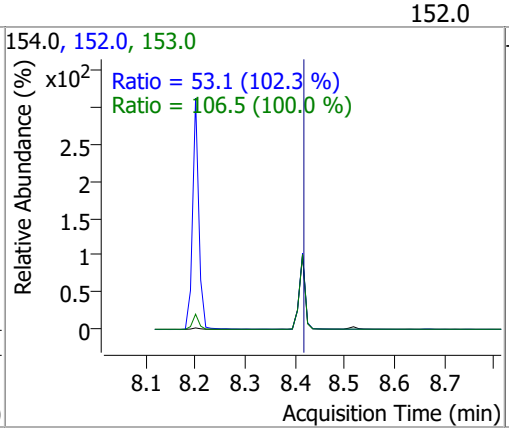


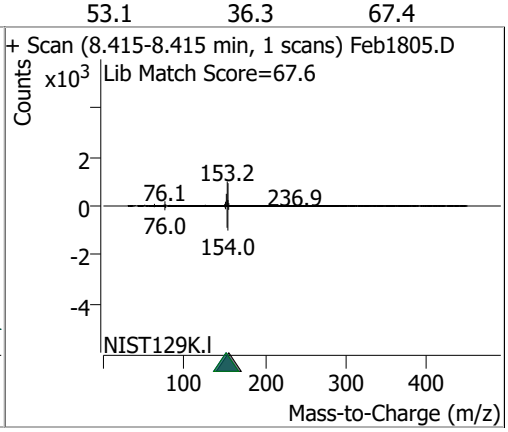




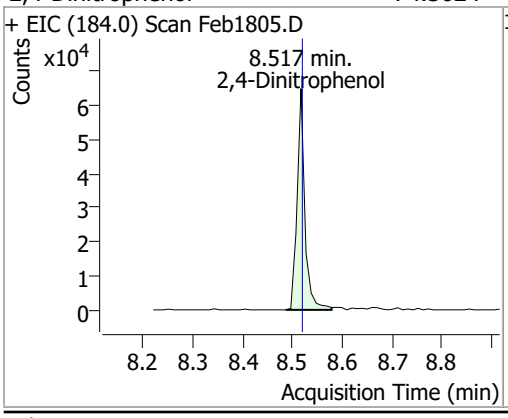
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	77.0251	8.41	0.00	972895	153.0	106.5	74.5	138.4
					152.0	53.1	36.3	67.4

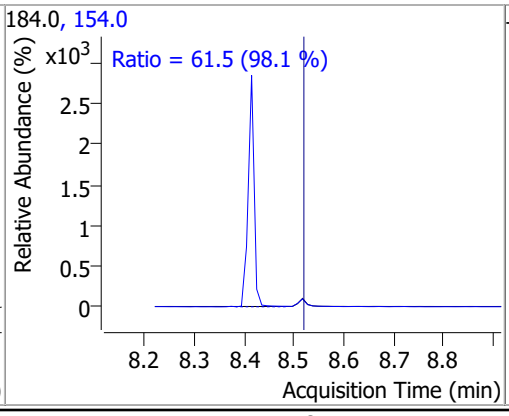


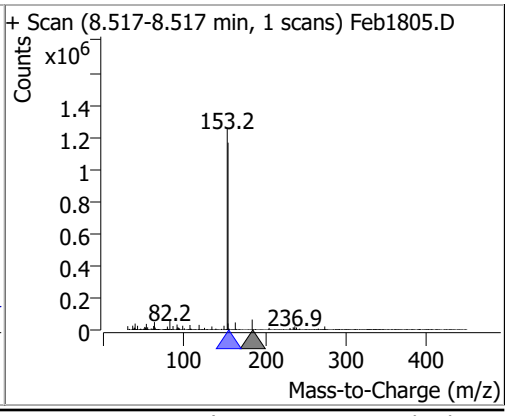




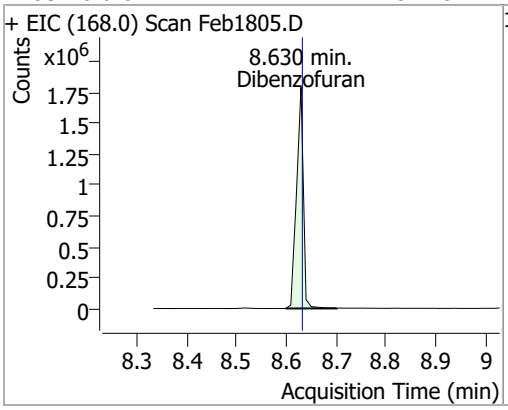
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	74.3624	8.52	0.00	69917	154.0	61.5	43.9	81.5

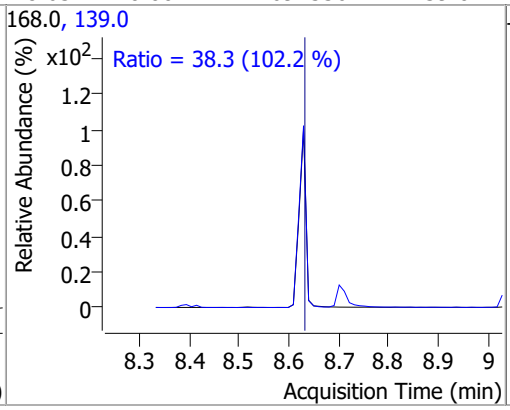


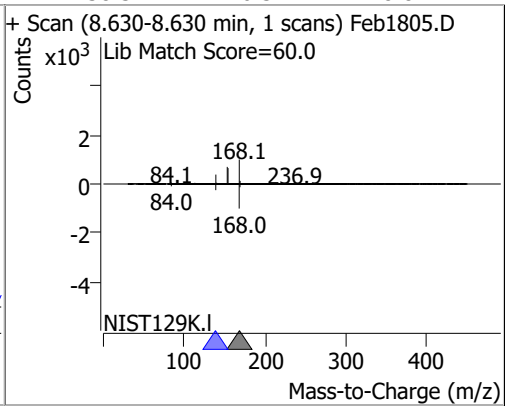




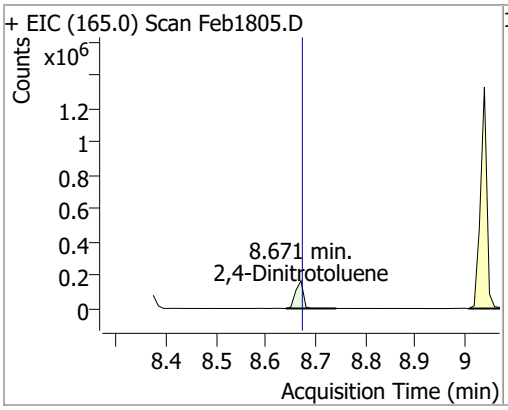
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	82.2814	8.63	0.00	1694536	139.0	38.3	26.3	48.8

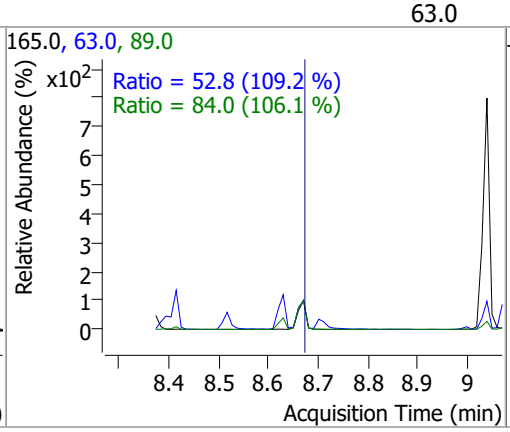


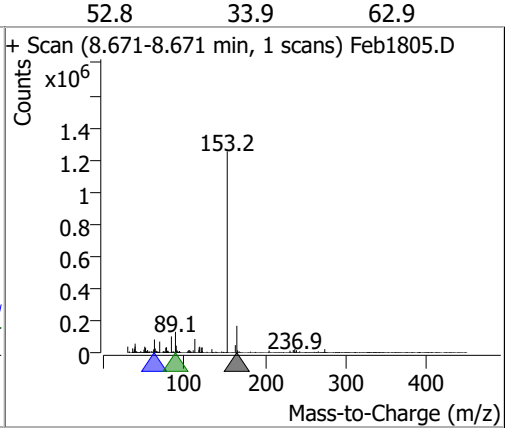




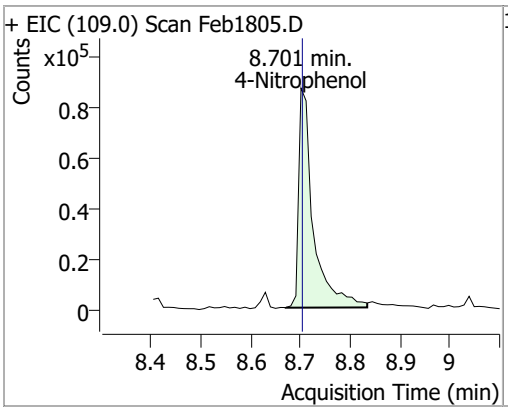
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	75.6678	8.67	0.00	177941	89.0	84.0	55.4	102.9
					63.0	52.8	33.9	62.9

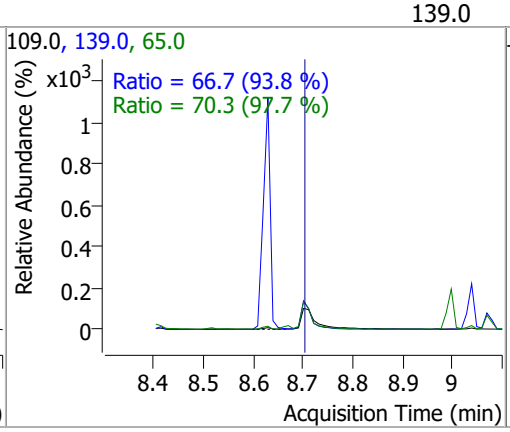


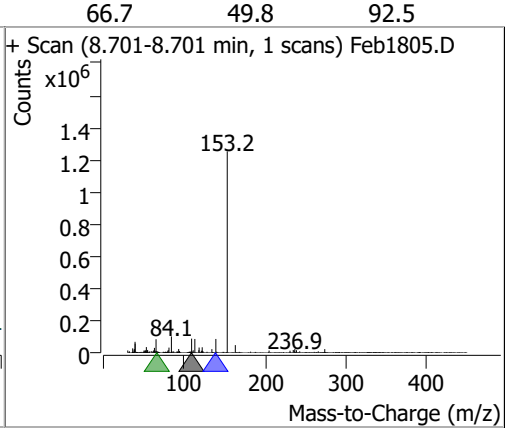




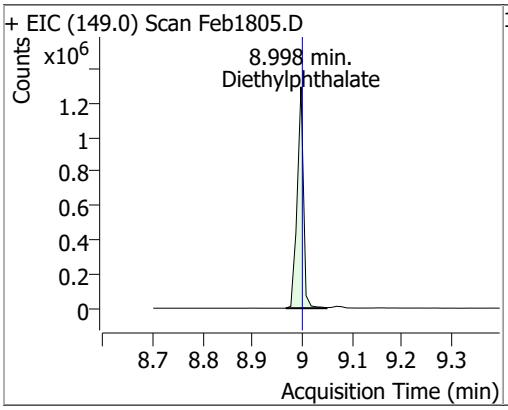
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	75.8272	8.70	0.00	176351	65.0	70.3	50.4	93.6
					139.0	66.7	49.8	92.5

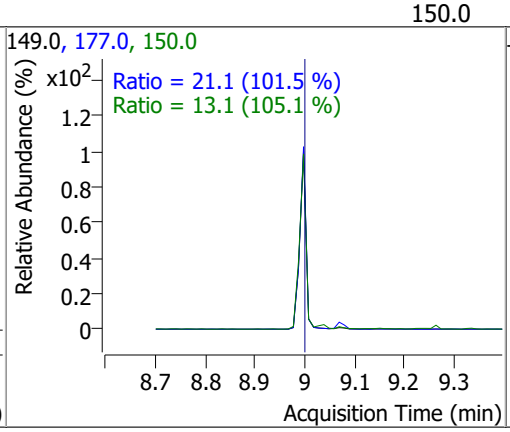


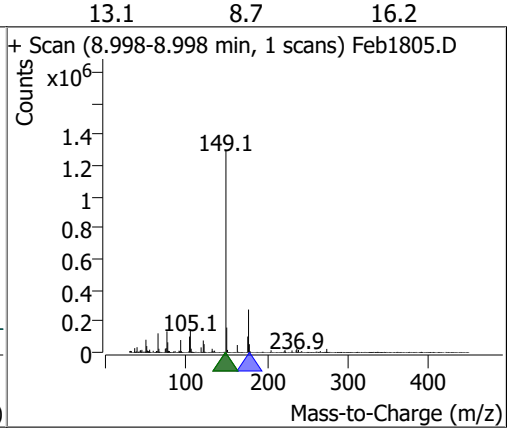




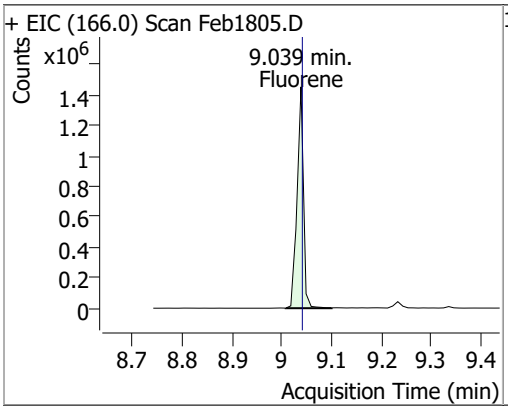
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	79.2375	9.00	0.00	1135235	177.0	21.1	14.5	27.0
					150.0	13.1	8.7	16.2

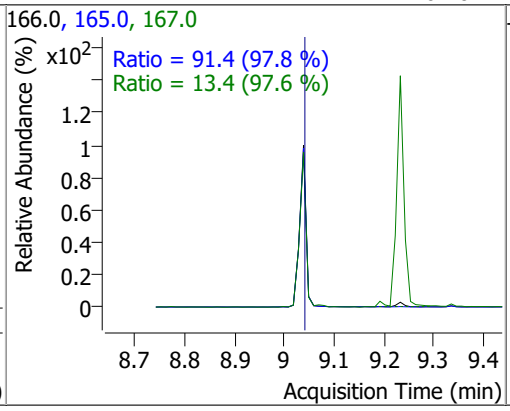


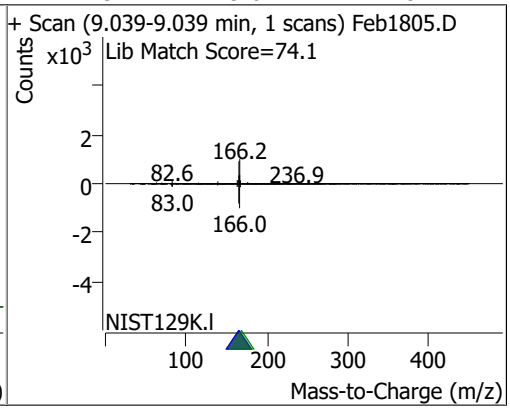




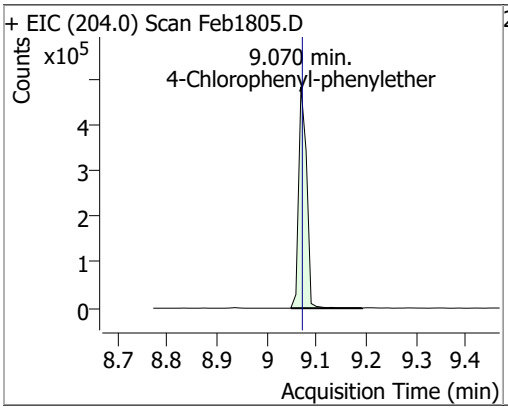
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	78.2626	9.04	0.00	1295239	165.0	91.4	65.4	121.4
					167.0	13.4	9.6	17.8

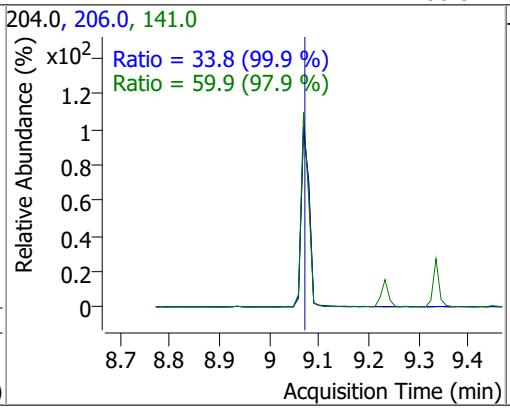


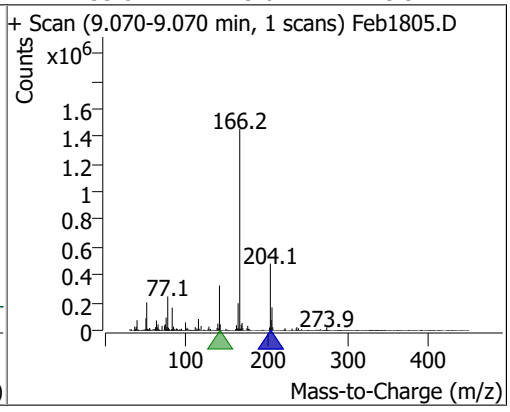




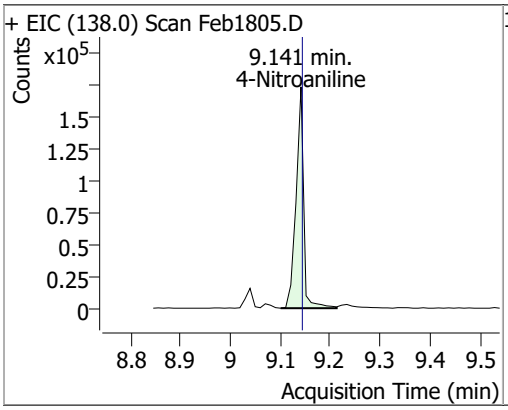
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	72.5483	9.07	0.00	538645	141.0	59.9	42.8	79.6
					206.0	33.8	23.6	43.9

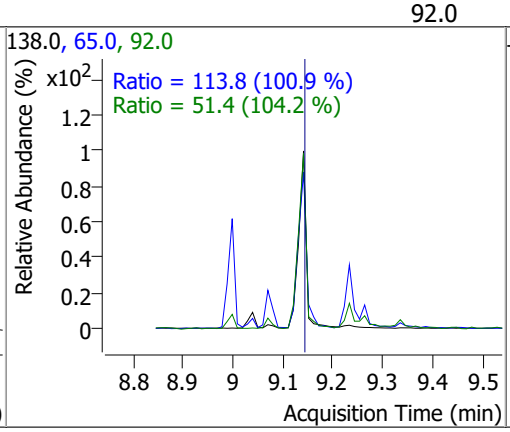


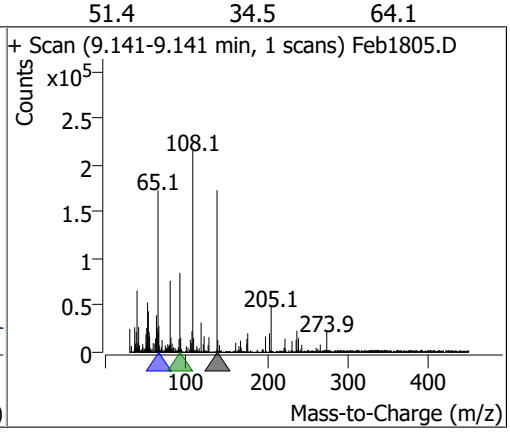




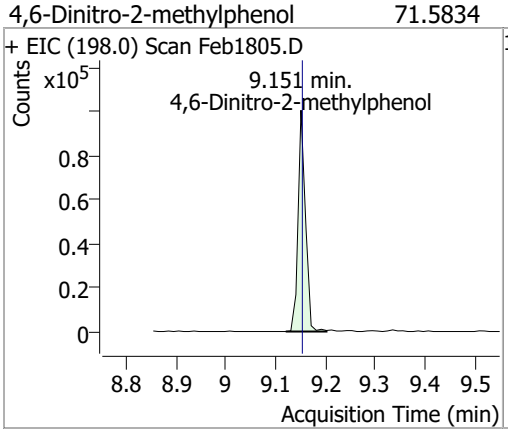
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	75.7960	9.14	0.00	183095	65.0	113.8	78.9	146.6
					92.0	51.4	34.5	64.1

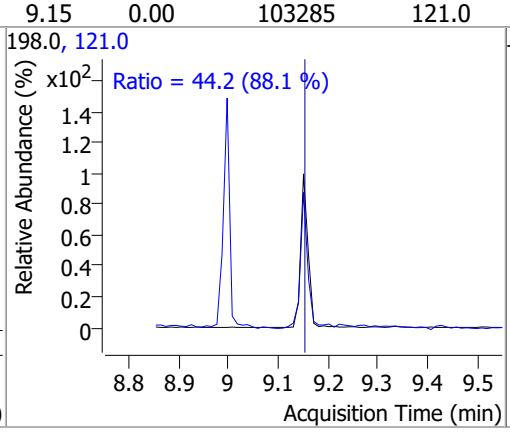


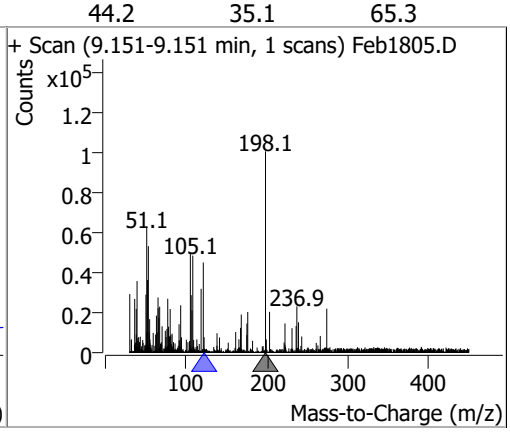




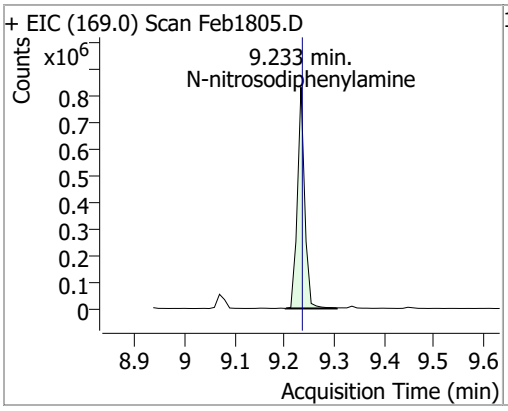
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	71.5834	9.15	0.00	103285	121.0	44.2	35.1	65.3

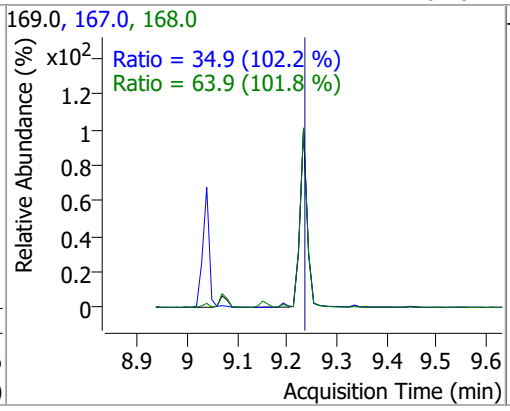


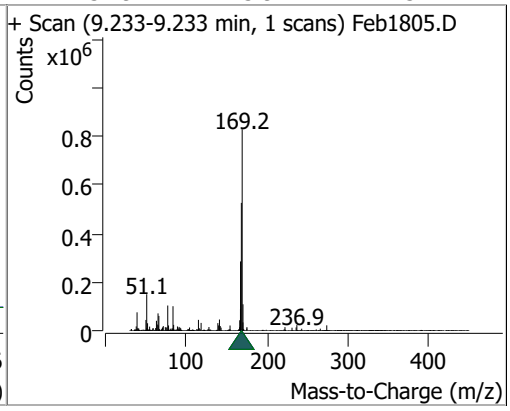




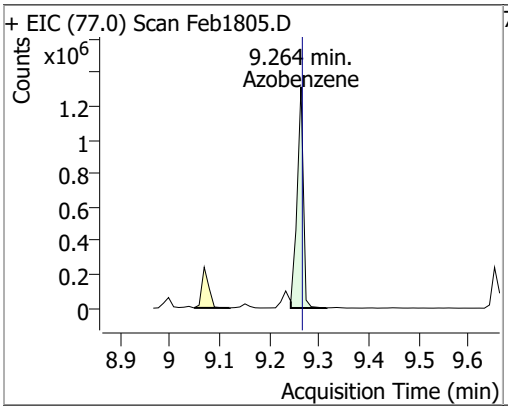
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	73.9708	9.23	0.00	843058	168.0	63.9	44.0	81.7
					167.0	34.9	23.9	44.3

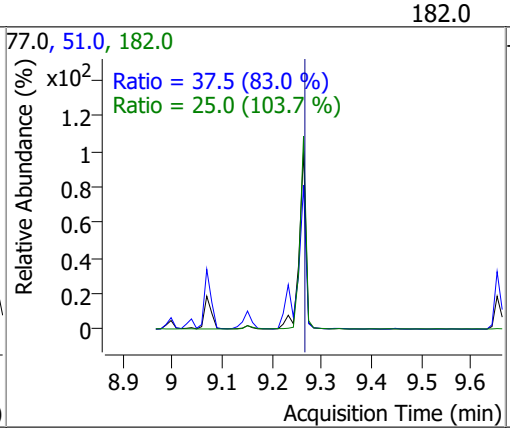


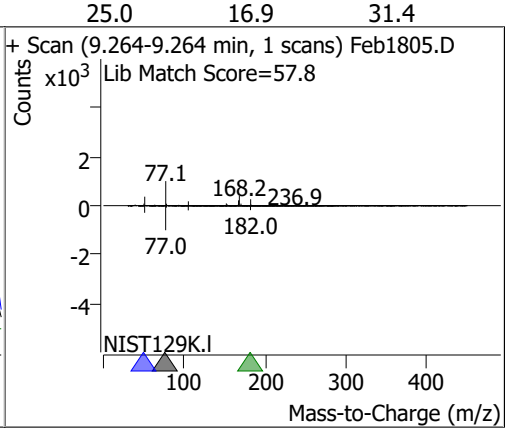




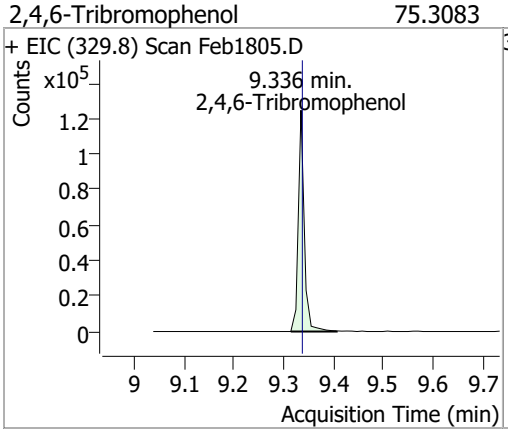
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	75.7023	9.26	0.00	1137228	51.0	37.5	31.6	58.7
					182.0	25.0	16.9	31.4

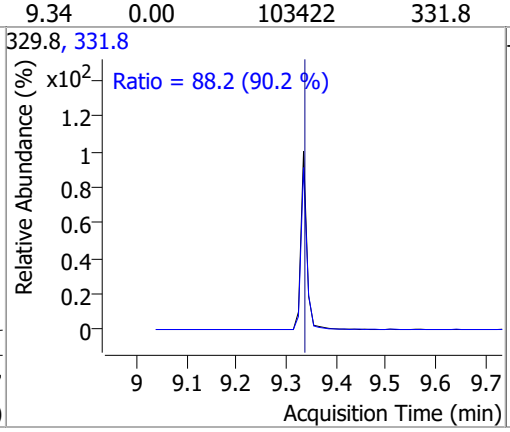


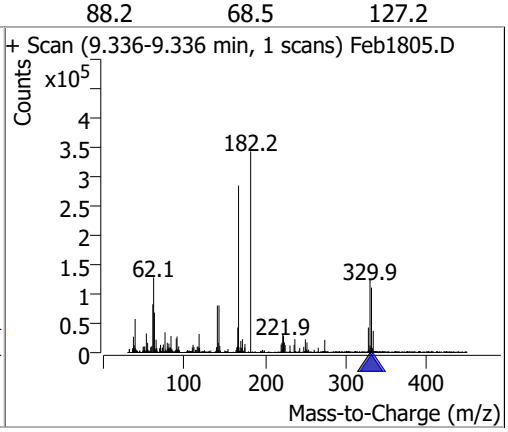




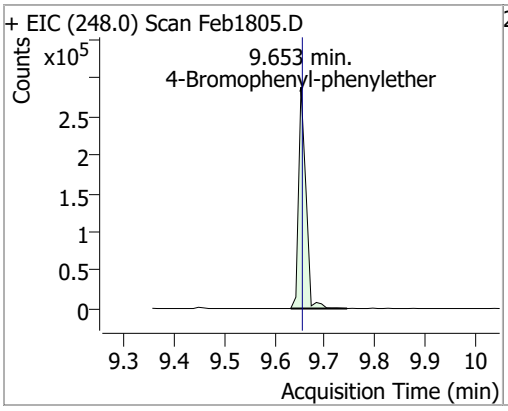
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	75.3083	9.34	0.00	103422	331.8	88.2	68.5	127.2

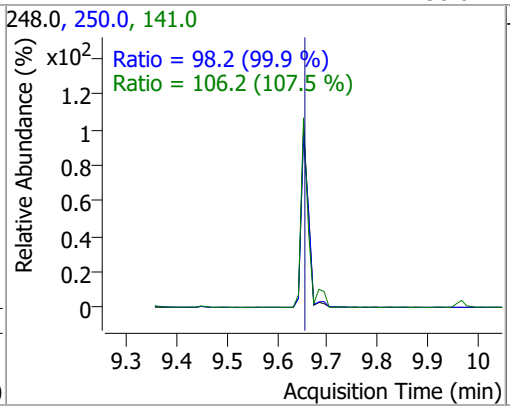


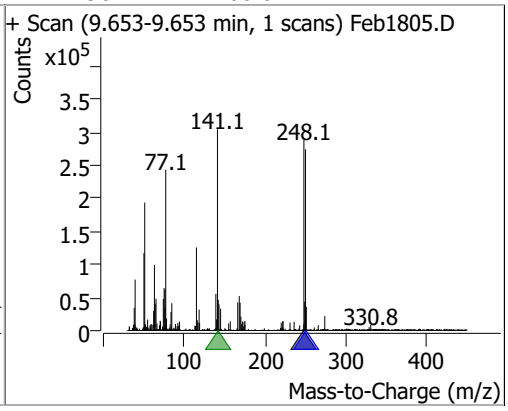




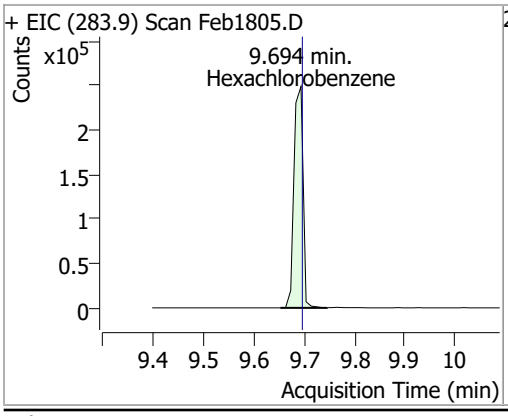
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	68.6730	9.65	0.00	291274	141.0	106.2	69.1	128.4
					250.0	98.2	68.8	127.7

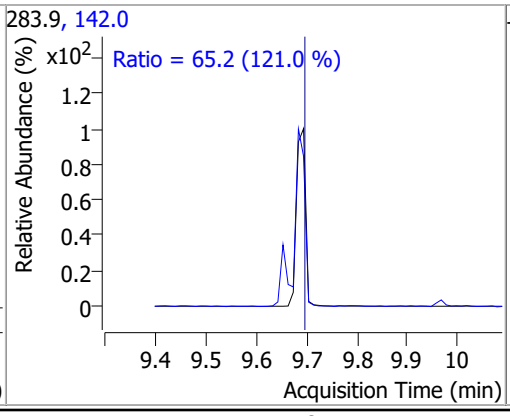


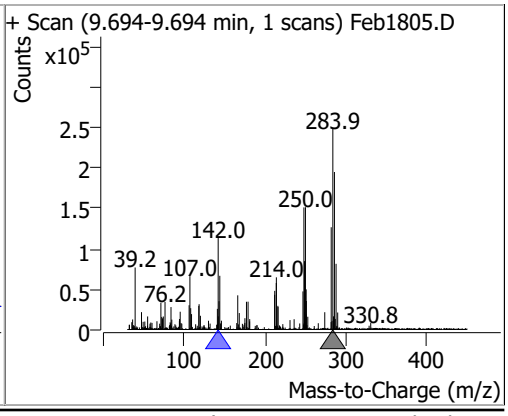




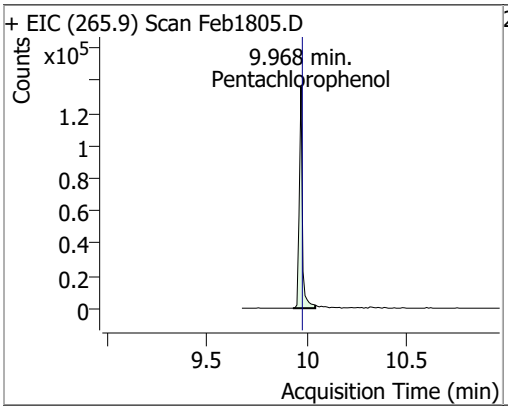
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	71.1350	9.69	0.00	312914	142.0	65.2	37.7	70.0

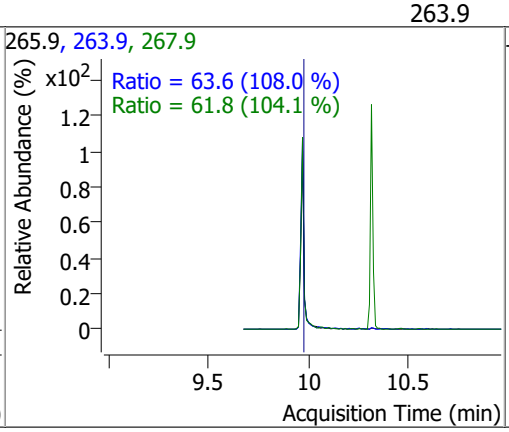


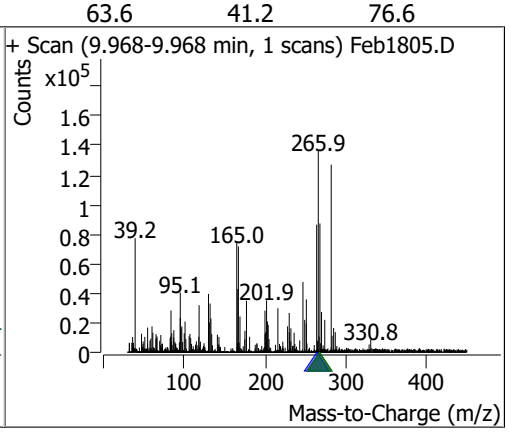




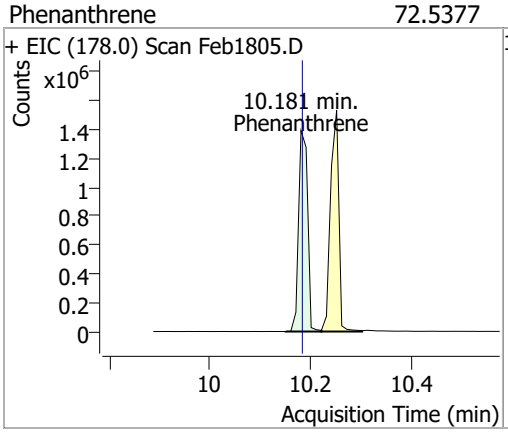
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	72.8650	9.97	0.00	145556	267.9	61.8	41.5	77.2
					263.9	63.6	41.2	76.6

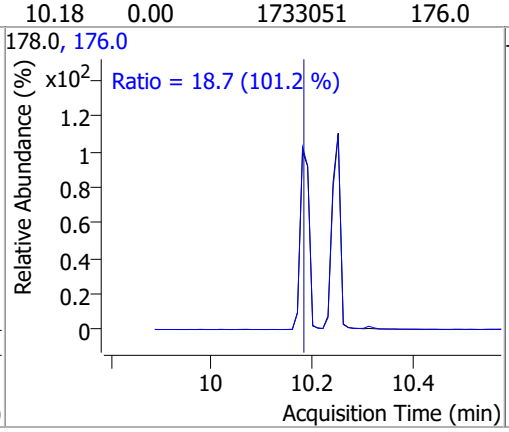


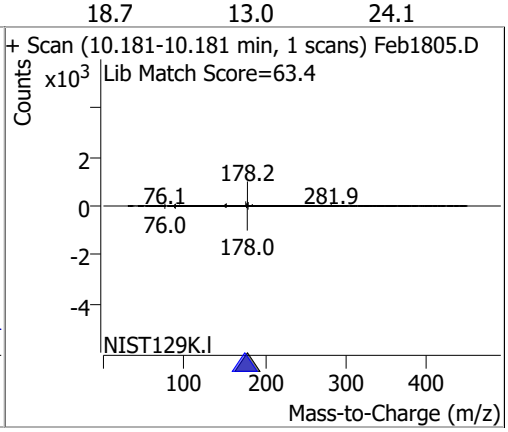




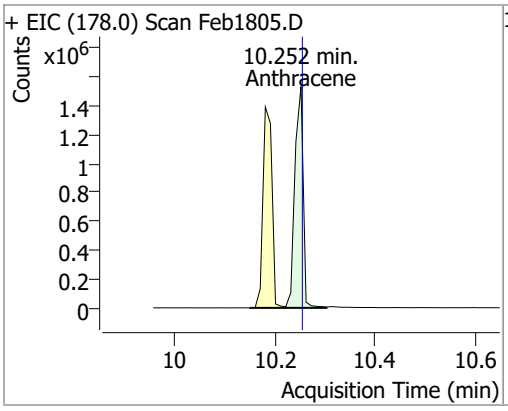
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	72.5377	10.18	0.00	1733051	176.0	18.7	13.0	24.1

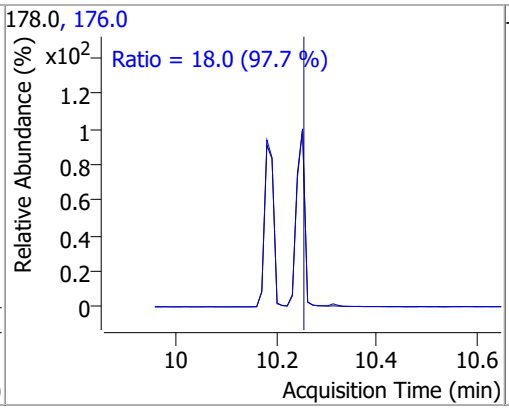


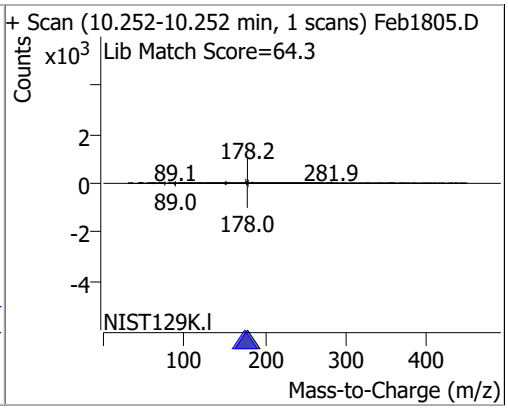




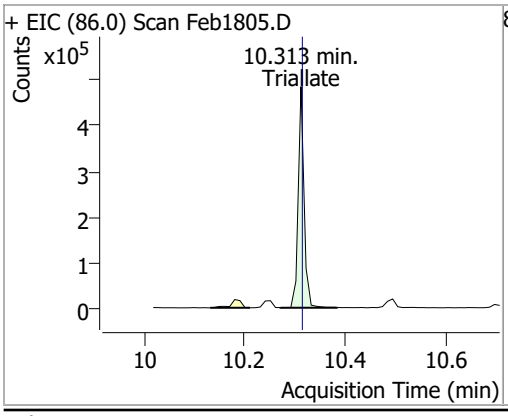
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	78.0189	10.25	0.00	1747621	176.0	18.0	12.9	23.9

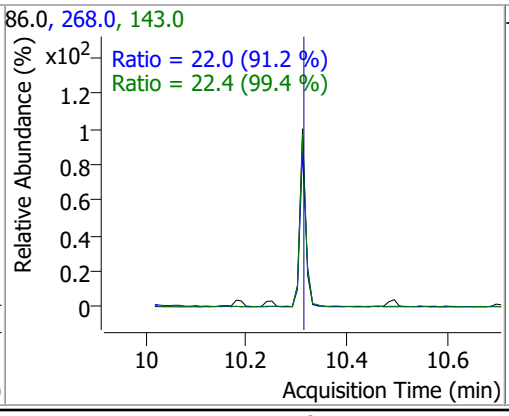


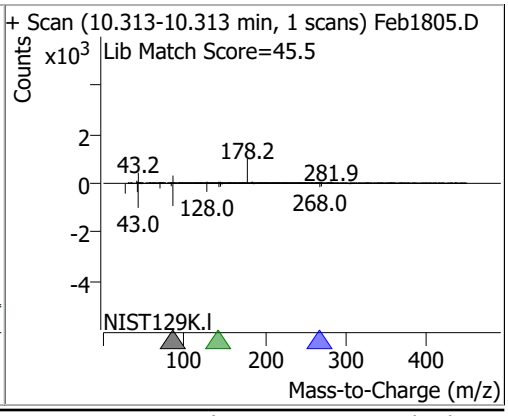




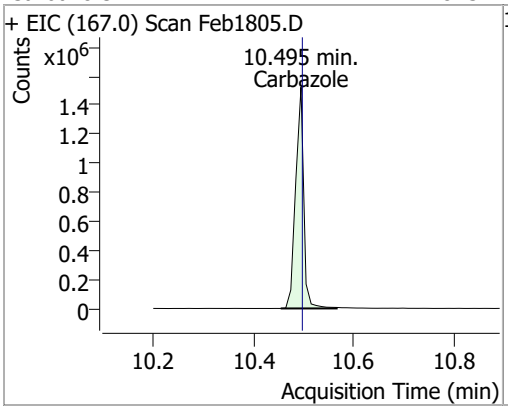
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	74.1071	10.31	0.00	391641	268.0	22.0	16.9	31.4
					143.0	22.4	15.8	29.3

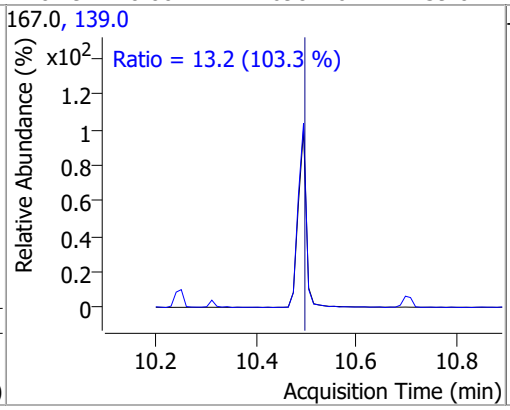


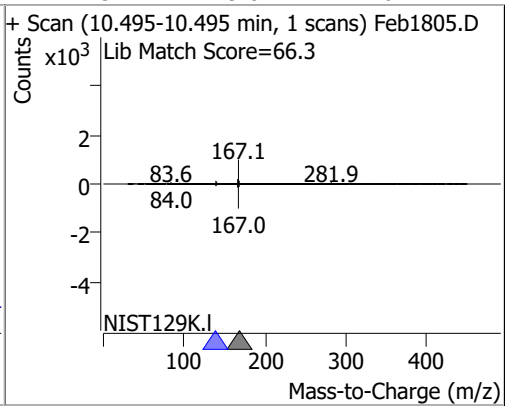




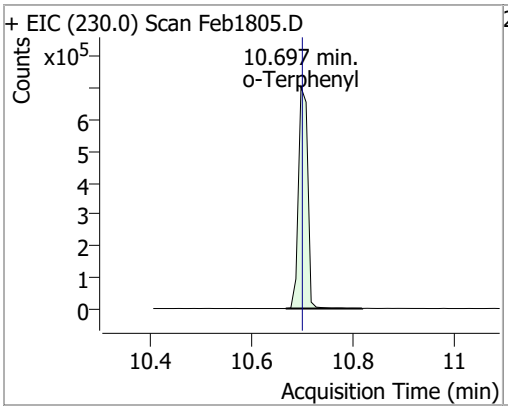
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	74.7873	10.49	0.00	1698426	139.0	13.2	9.0	16.7

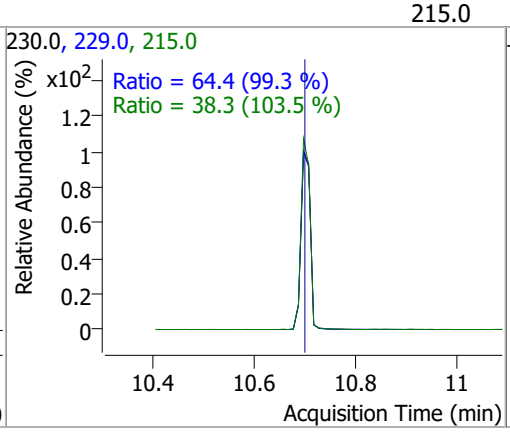


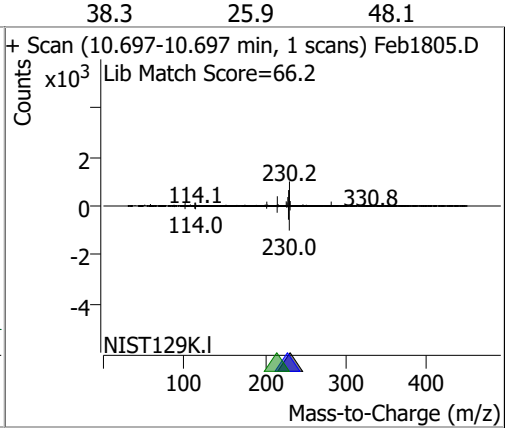




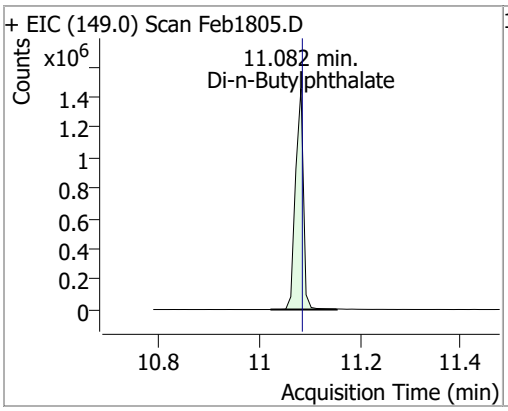
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	71.7460	10.70	0.00	906169	229.0	64.4	45.4	84.3
					215.0	38.3	25.9	48.1

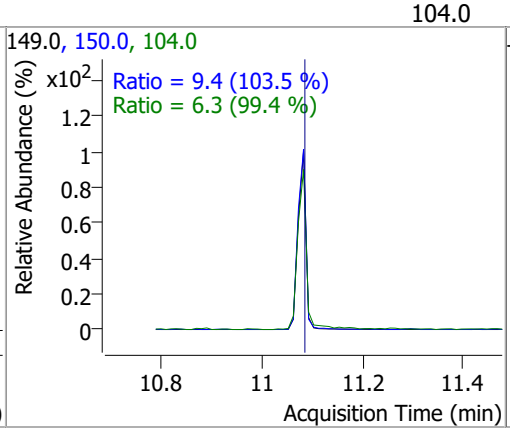


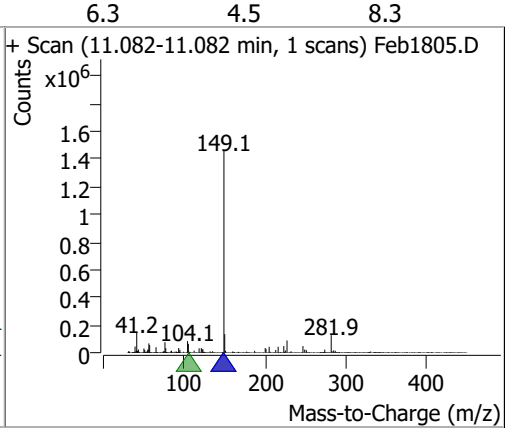




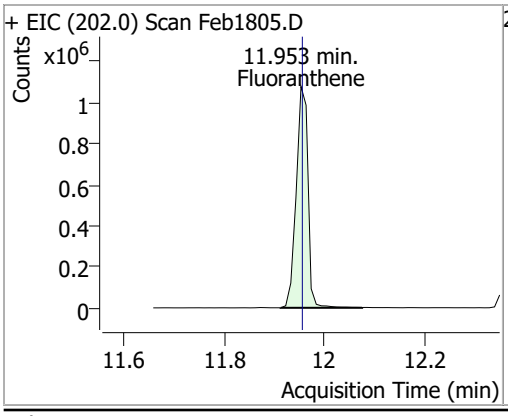
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	74.7048	11.08	0.00	1582606	150.0	9.4	6.3	11.8
					104.0	6.3	4.5	8.3

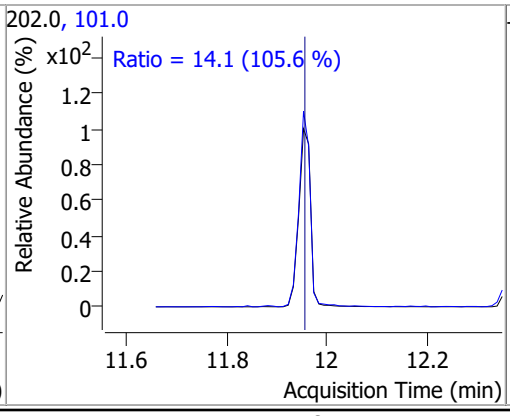


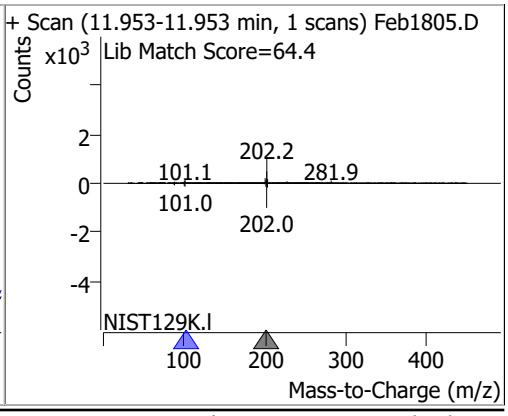




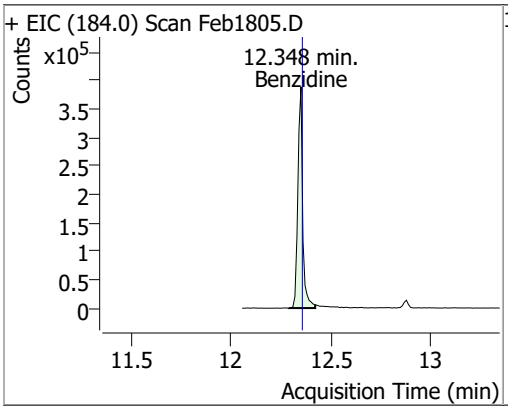
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	73.6261	11.95	0.00	1750781	101.0	14.1	9.4	17.4

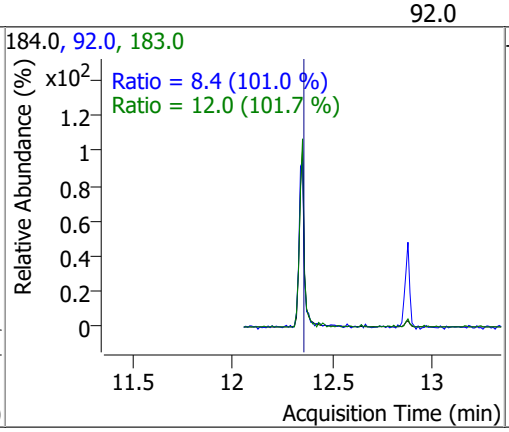


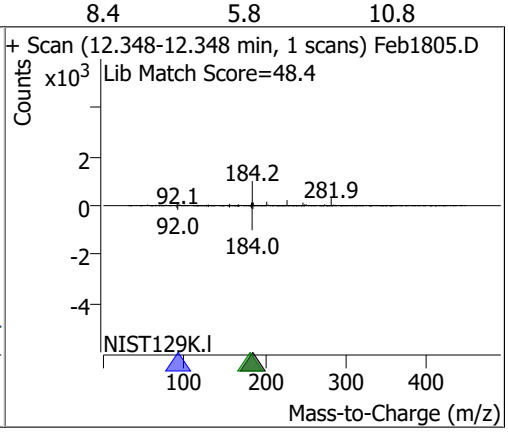




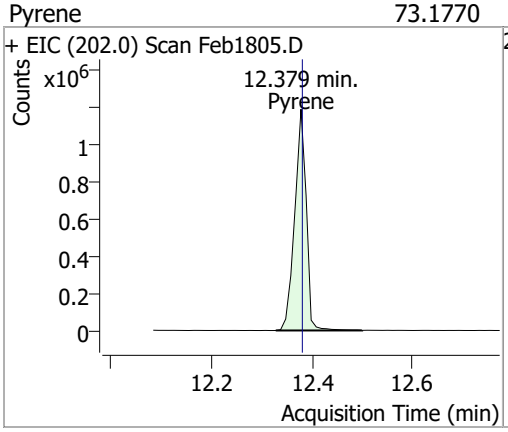
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	77.0454	12.35	0.00	646709	183.0	12.0	8.3	15.4
					92.0	8.4	5.8	10.8

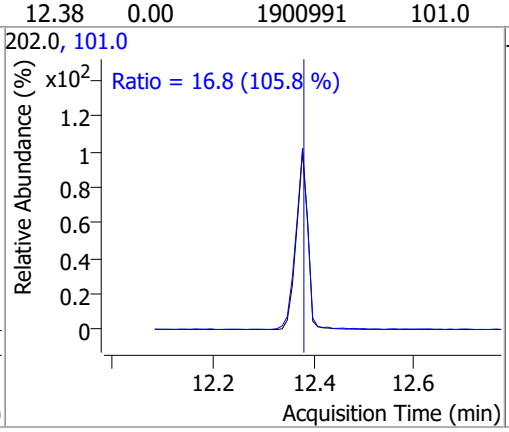


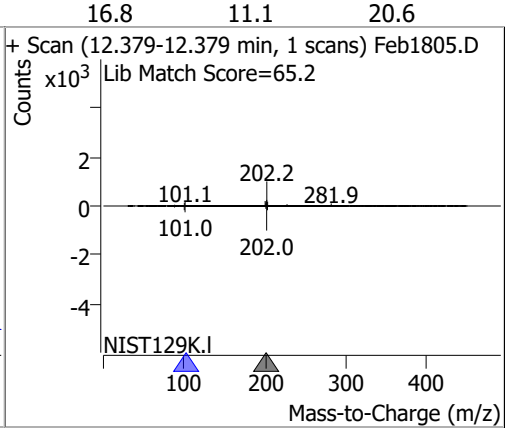




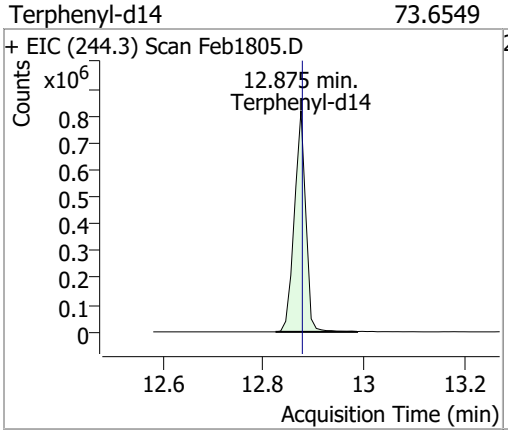
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	73.1770	12.38	0.00	1900991	101.0	16.8	11.1	20.6

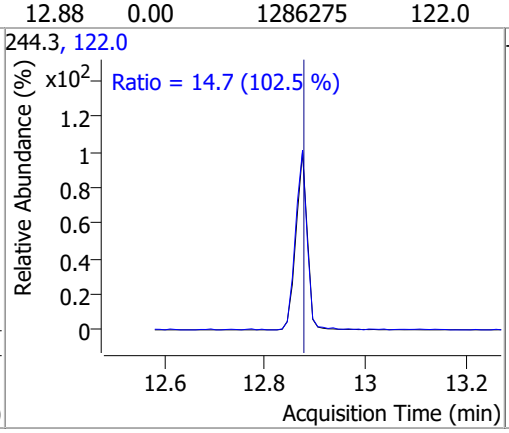


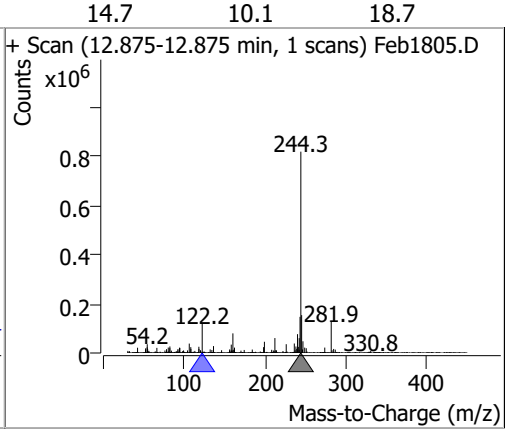




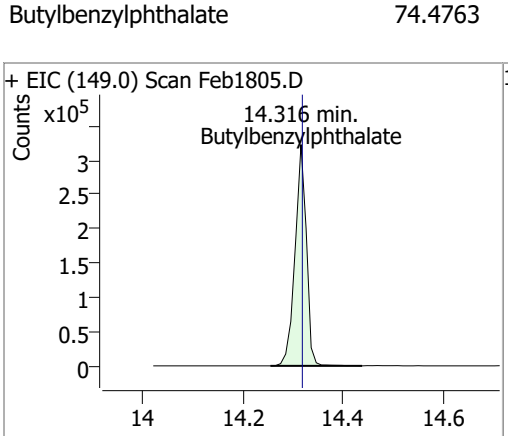
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	73.6549	12.88	0.00	1286275	122.0	14.7	10.1	18.7

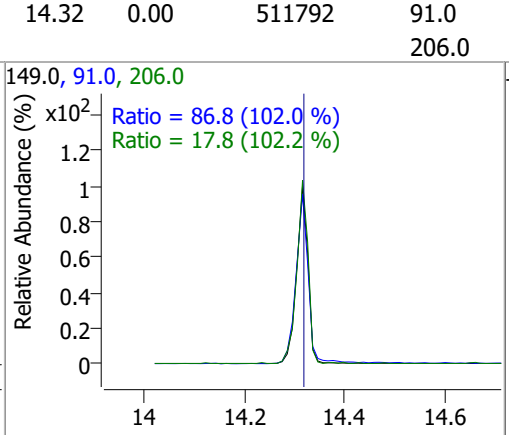


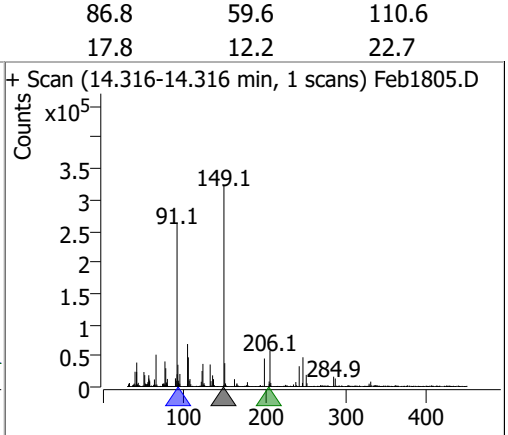




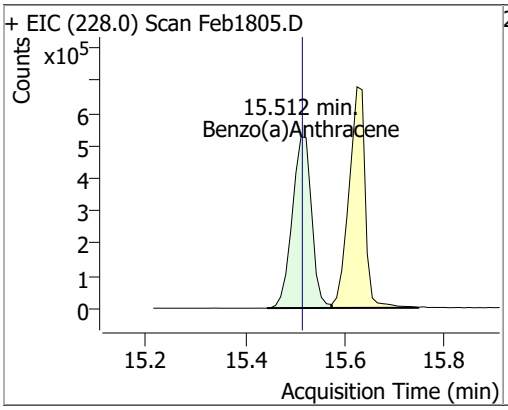
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	74.4763	14.32	0.00	511792	91.0	86.8	59.6	110.6
					206.0	17.8	12.2	22.7

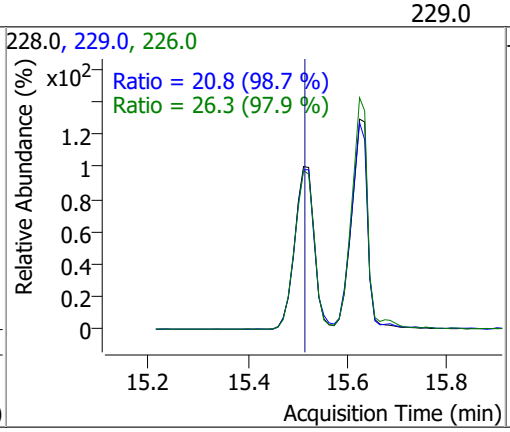


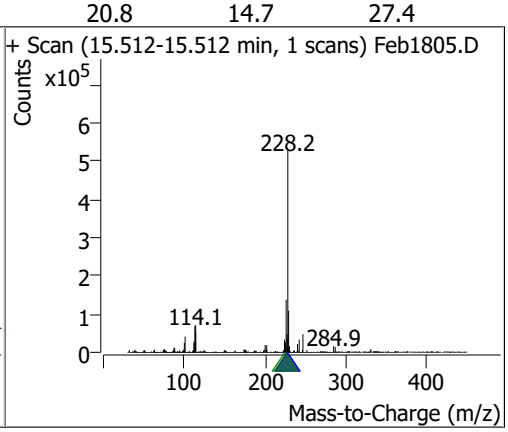




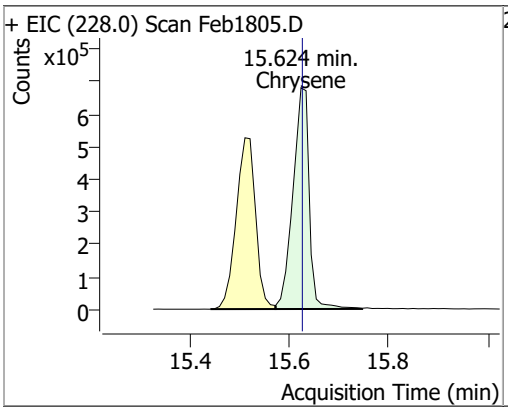
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	77.0979	15.51	0.00	1426052	226.0	26.3	18.8	34.9
					229.0	20.8	14.7	27.4

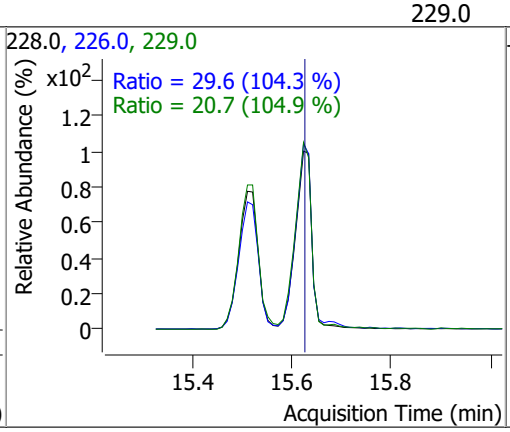


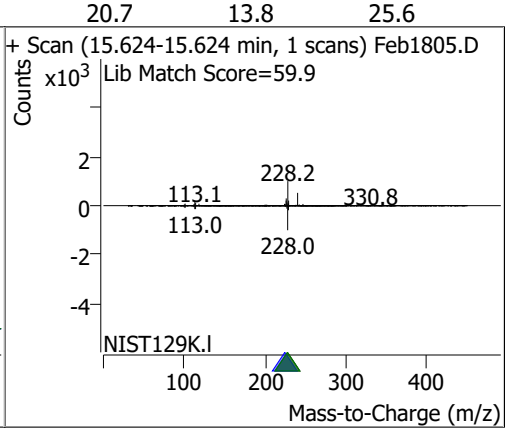




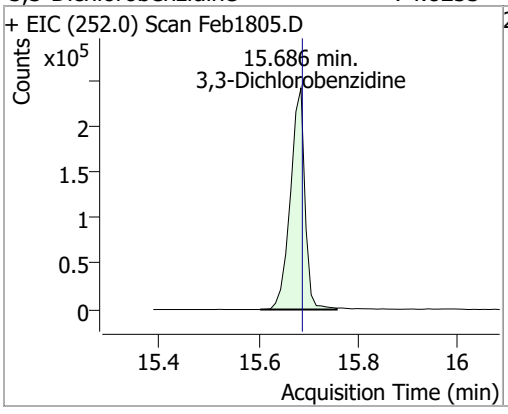
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	74.7328	15.62	0.00	1551059	226.0	29.6	19.9	36.9
					229.0	20.7	13.8	25.6

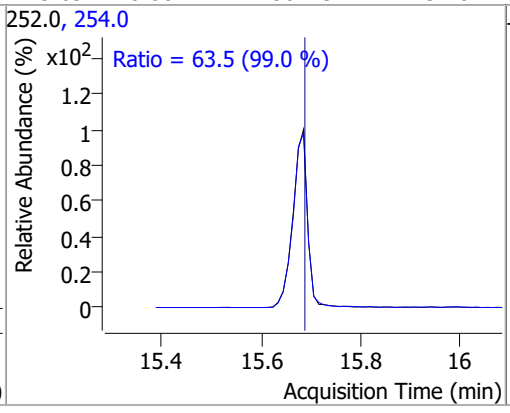


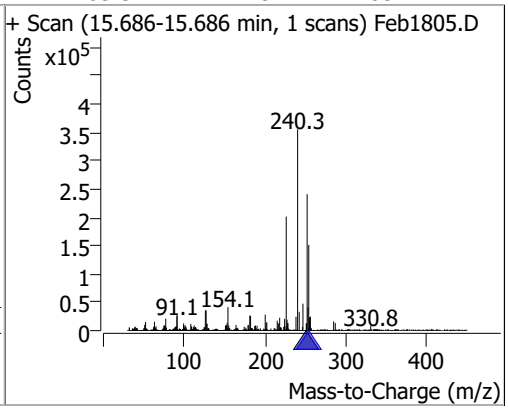




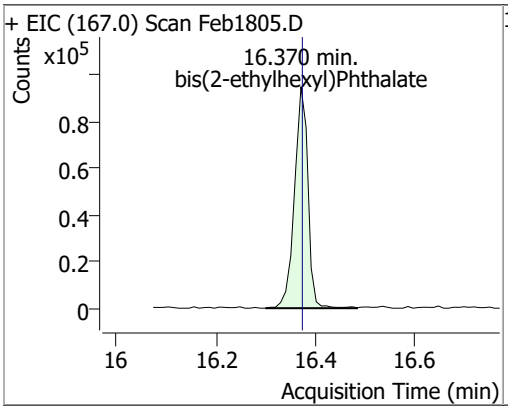
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	74.8233	15.69	0.00	486419	254.0	63.5	44.9	83.4

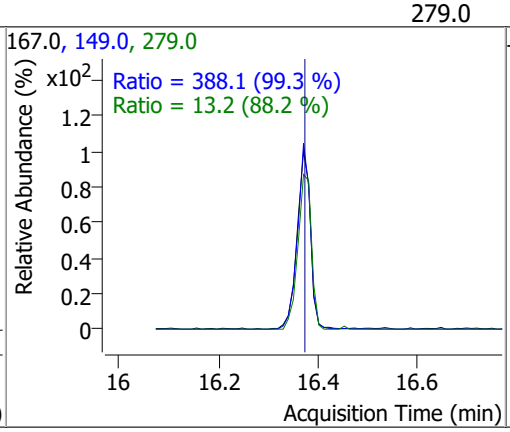


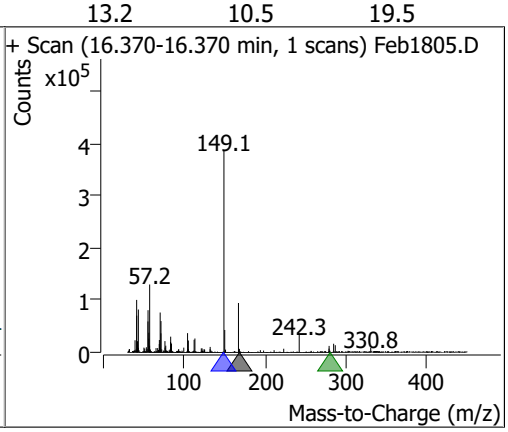




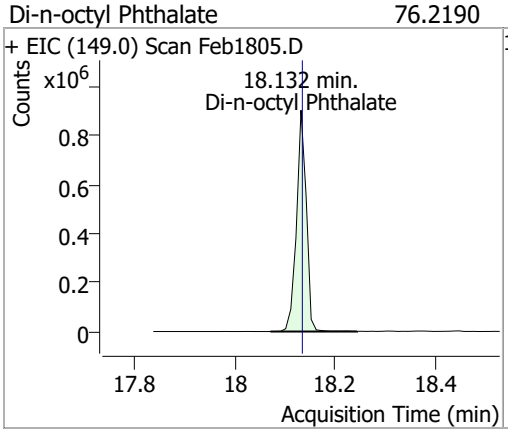
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	75.1376	16.37	0.00	177810	149.0	388.1	273.6	508.0
					279.0	13.2	10.5	19.5

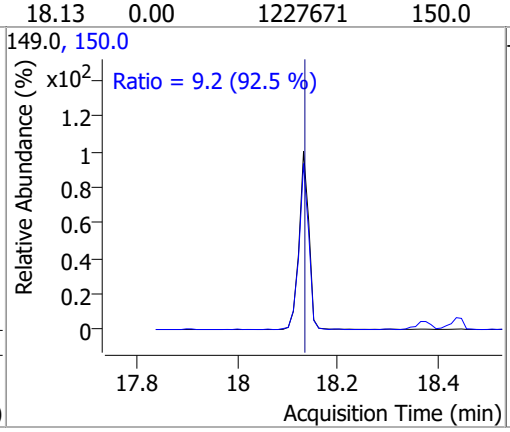


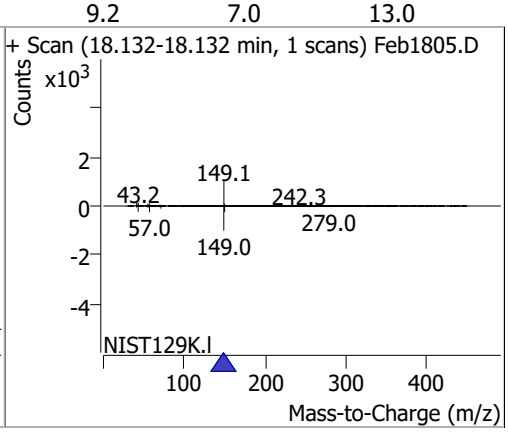




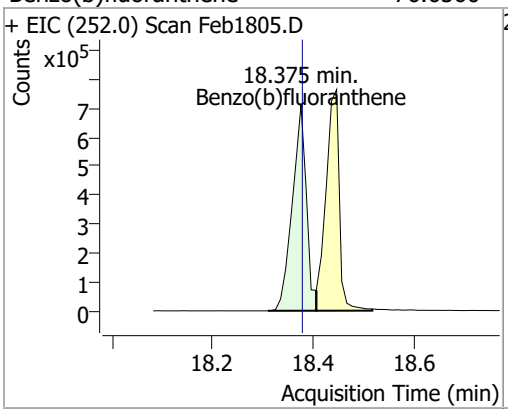
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	76.2190	18.13	0.00	1227671	150.0	9.2	7.0	13.0

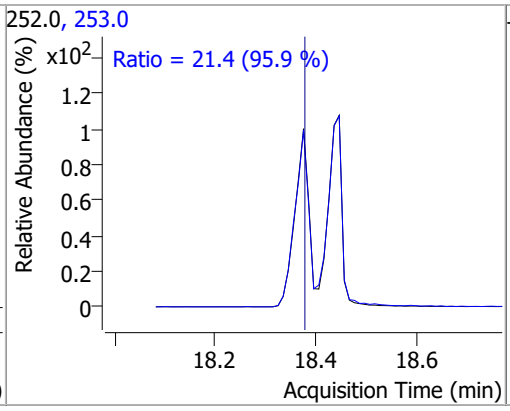


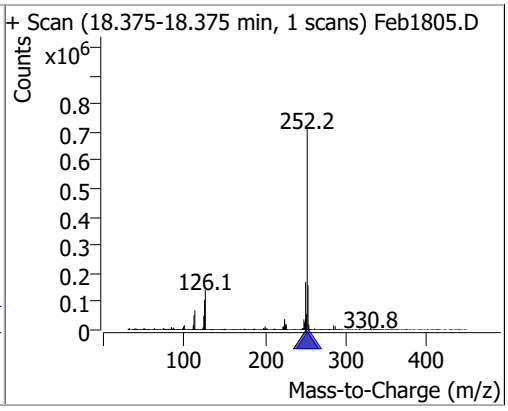




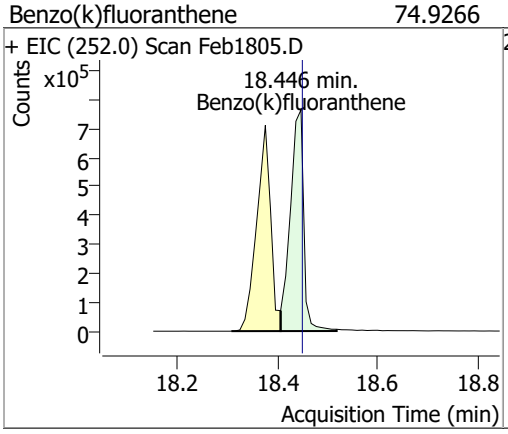
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	76.6560	18.38	0.00	1375648	253.0	21.4	15.6	29.0

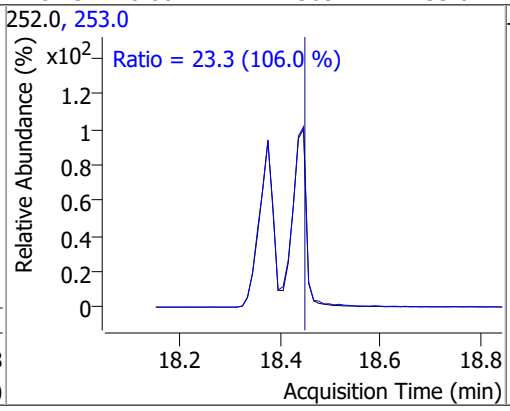


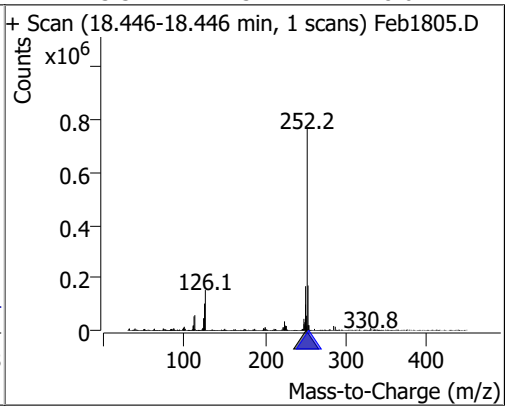




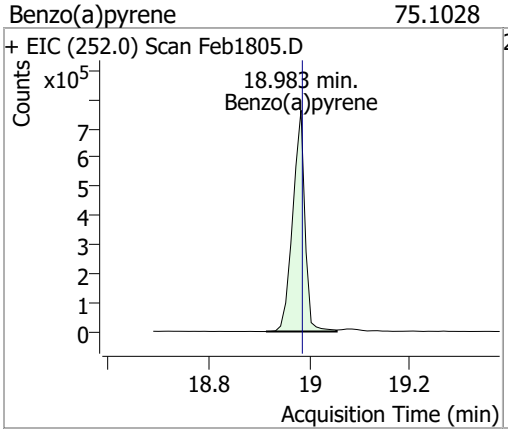
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	74.9266	18.45	0.00	1413651	253.0	23.3	15.4	28.6

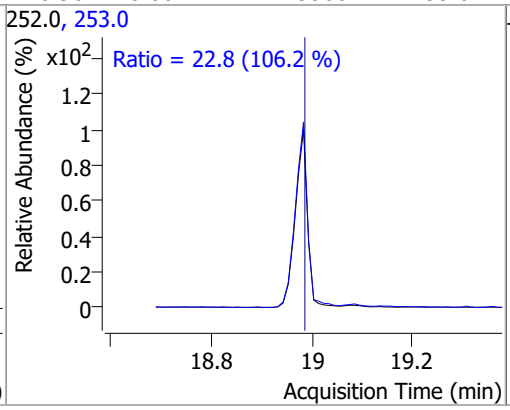


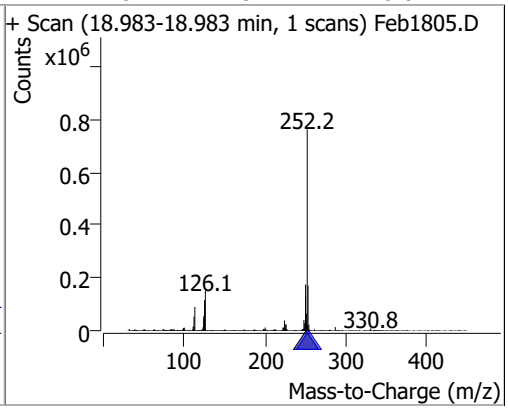




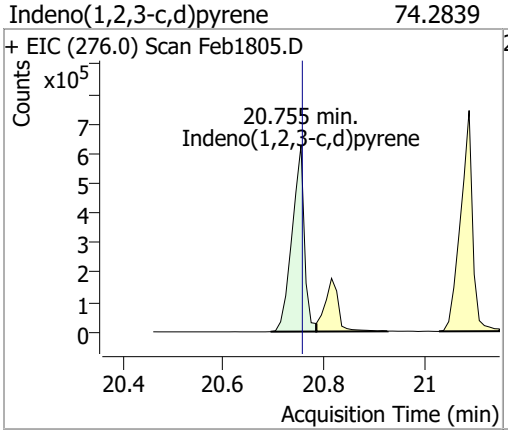
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	75.1028	18.98	0.00	1275566	253.0	22.8	15.1	28.0

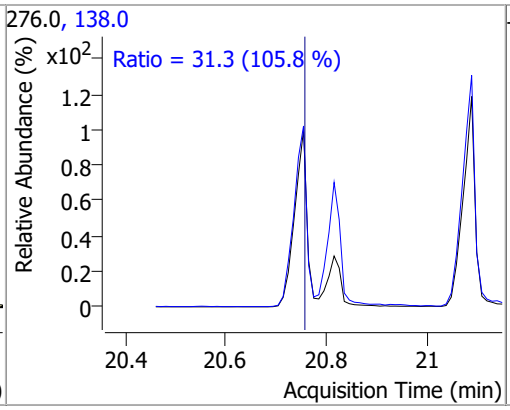


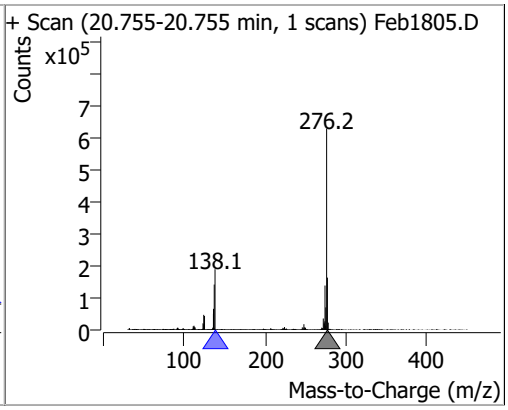




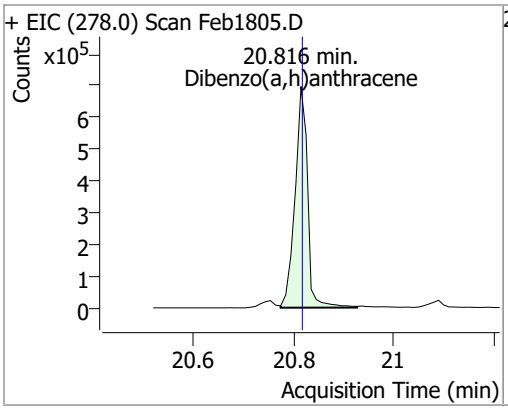
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	74.2839	20.76	0.00	1059042	138.0	31.3	20.7	38.5

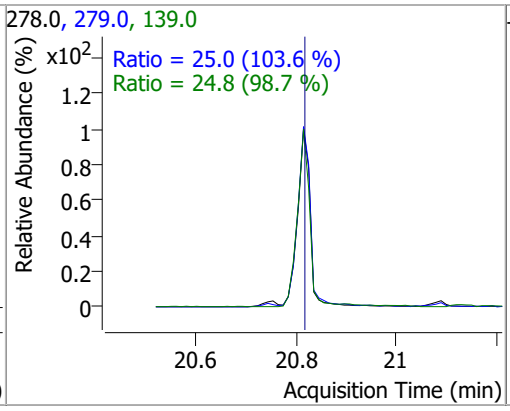


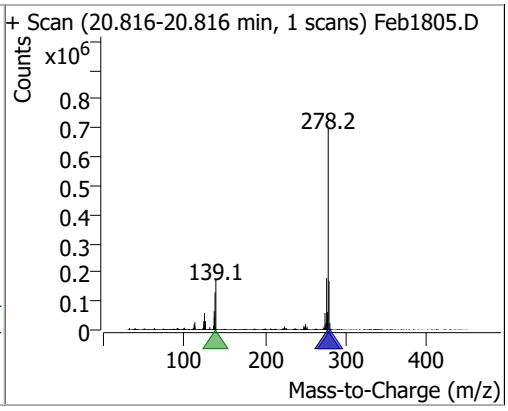




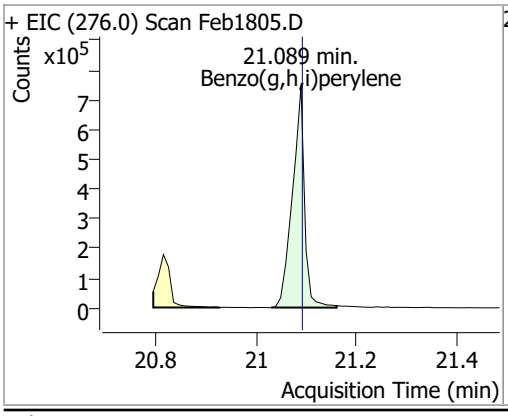
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	77.7360	20.82	0.00	1205859	139.0	24.8	17.6	32.7
					279.0	25.0	16.9	31.3

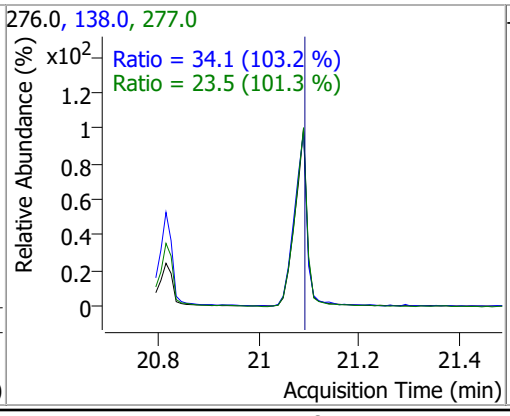


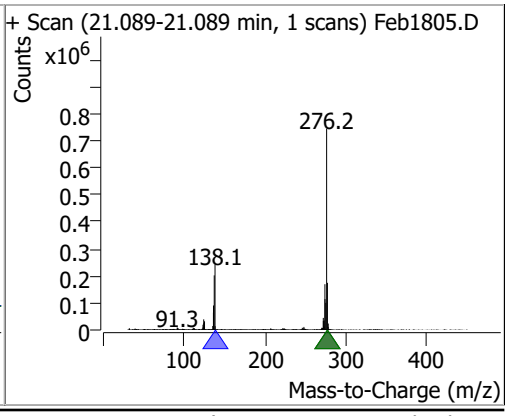




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	75.6388	21.09	0.00	1242728	138.0	34.1	23.1	42.9
					277.0	23.5	16.3	30.2

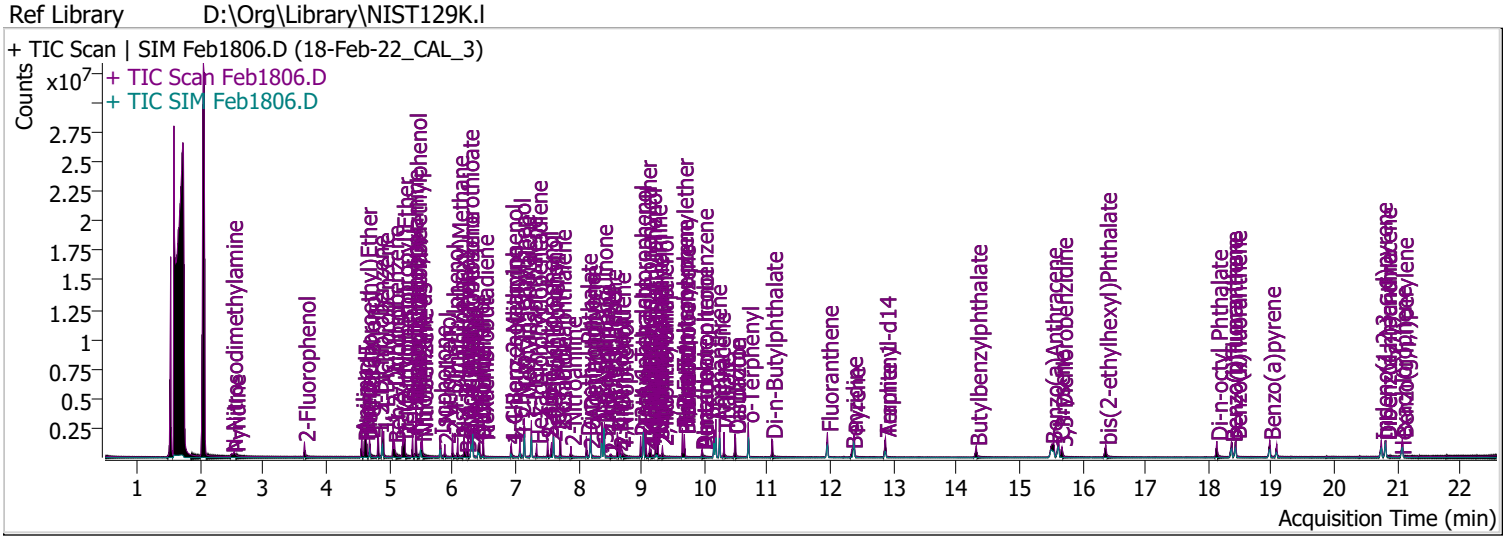






Quantitation Results Report (QT Reviewed)

Data File	Feb1806.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 10:43:35 AM
Sample Name	18-Feb-22_CAL_3	Instrument	Instrument #1
Vial	6	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



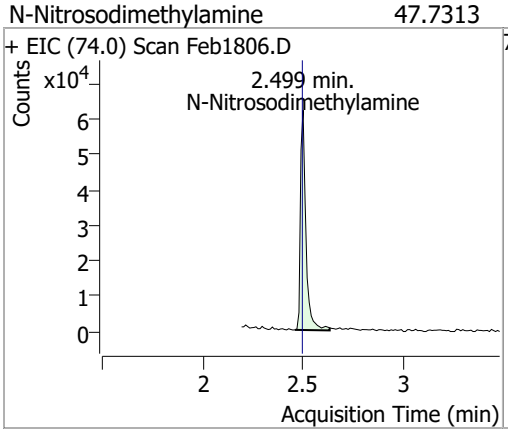
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	414958	49.4461	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 24.72%			
S Phenol-d5	4.603	99.0	540696	49.1912	µg/L	m	-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 24.60%			
S Nitrobenzene-d5	5.502	82.0	289612	47.9581	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 47.96%			
S 2-Fluorobiphenyl	7.605	172.0	840492	48.3854	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 48.39%			
S 2,4,6-Tribromophenol	9.336	329.8	62354	48.8692	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 24.43%		*	
S Terphenyl-d14	12.875	244.3	851147	48.7638	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 48.76%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.499	74.0	117849	47.7313	µg/L		91
T Pyridine	2.540	79.0	315403	49.3173	µg/L		99
T Aniline	4.562	93.0	767112	48.7288	µg/L		99
T Phenol	4.624	94.0	590509	48.5783	µg/L		100
T bis(-2-Chloroethyl)Ether	4.634	63.0	402263	48.5252	µg/L		99
T 2-Chlorophenol	4.685	128.0	472214	47.8916	µg/L		98
T 1,3-Dichlorobenzene	4.818	146.0	613144	47.6832	µg/L		99
T 1,4-Dichlorobenzene	4.909	146.0	621874	47.5208	µg/L		98
T 1,2-Dichlorobenzene	5.063	146.0	611643	48.8945	µg/L	m	99
T Benzyl Alcohol	5.083	108.0	213122	46.5715	µg/L		97
T bis(2-chloroisopropyl)Ether	5.216	121.0	160657	48.1097	µg/L		100
T 2-Methylphenol	5.236	107.0	416195	48.8002	µg/L		100
T N-nitroso-Di-n-propylamine	5.369	70.0	295456	52.0108	µg/L		99
T 4Methylphenol/3Methylphenol	5.420	107.0	564049	48.0796	µg/L		99
T Hexachloroethane	5.420	117.0	176921	47.7941	µg/L		99

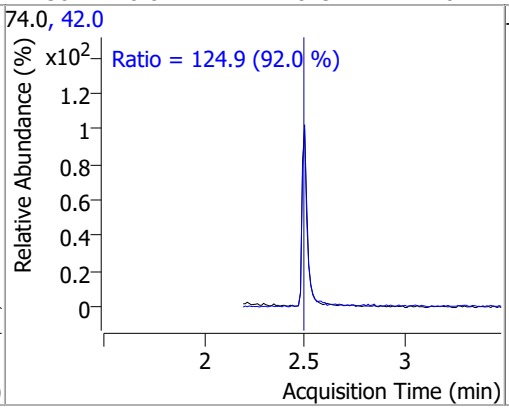
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.522	123.1	153327	48.9550	µg/L		98
T Isophorone	5.808	82.0	689466	47.6614	µg/L		100
T 2-Nitrophenol	5.880	139.0	145865	47.6904	µg/L		97
T 2,4-Dimethylphenol	6.003	122.0	310997	44.7058	µg/L		93
T bis(-2-Chloroethoxy)Methane	6.085	93.0	423833	50.5699	µg/L		95
T 2,4-Dichlorophenol	6.188	162.0	302701	46.8883	µg/L		97
T Benzoic Acid	6.208	105.0	150889	47.3454	µg/L		88
T 1,2,4-Trichlorobenzene	6.249	180.0	381654	47.4978	µg/L		100
T Naphthalene	6.321	128.0	1110201	45.7297	µg/L		99
T 4-Chlorophenol	6.414	130.0	116895	47.7556	µg/L		95
T p-Chloroaniline	6.434	127.0	453225	49.0478	µg/L		99
T Hexachlorobutadiene	6.485	224.9	188037	46.5537	µg/L		98
T 4-Chloro-2-Methylphenol	6.937	107.0	274008	44.5613	µg/L		98
T 4-Chloro-3-Methylphenol	7.071	107.0	311889	49.2963	µg/L		98
T 2-Methylnaphthalene	7.143	141.0	670695	51.0637	µg/L	m	98
T 1-Methylnaphthalene	7.256	141.0	672135	52.0765	µg/L	m	98
T Hexachlorocyclopentadiene	7.338	236.9	113002	47.6532	µg/L		97
T 2,4,6-Trichlorophenol	7.512	196.0	186323	44.7383	µg/L		100
T 2,4,5-Trichlorophenol	7.574	196.0	223316	47.3755	µg/L		98
T 2-Chloronaphthalene	7.718	162.0	726480	49.7944	µg/L		98
T 2-Nitroaniline	7.882	65.0	121485	47.8219	µg/L		99
T Dimethyl Phthalate	8.128	163.0	658473	46.8059	µg/L		96
T 2,6-Dinitrotoluene	8.180	165.0	92679	46.7873	µg/L		99
T Acenaphthylene	8.200	152.1	1195576	51.2174	µg/L		98
T 3-Nitroaniline	8.384	138.0	99318	45.4914	µg/L		93
T Acenaphthene	8.415	154.0	694646	50.6665	µg/L		99
T 2,4-Dinitrophenol	8.507	184.0	43823	48.5159	µg/L		98
T Dibenzofuran	8.620	168.0	1034897	45.2583	µg/L		99
T 2,4-Dinitrotoluene	8.660	165.0	115884	49.0233	µg/L		96
T 4-Nitrophenol	8.701	109.0	108704	46.2243	µg/L		96
T Diethylphthalate	8.988	149.0	670192	46.1993	µg/L		99
T Fluorene	9.039	166.0	891630	49.9319	µg/L		99
T 4-Chlorophenyl-phenylether	9.070	204.0	359843	46.2307	µg/L		98
T 4-Nitroaniline	9.131	138.0	103404	44.9787	µg/L		95
T 4,6-Dinitro-2-methylphenol	9.152	198.0	68013	50.3401	µg/L		98
T N-nitrosodiphenylamine	9.233	169.0	563505	49.7597	µg/L		99
T Azobenzene	9.264	77.0	757604	52.2283	µg/L		89
T 4-Bromophenyl-phenylether	9.653	248.0	215173	52.1333	µg/L		96
T Hexachlorobenzene	9.683	283.9	208046	47.2633	µg/L		98
T Pentachlorophenol	9.968	265.9	91759	49.5070	µg/L		97
T Phenanthrene	10.181	178.0	1161938	47.6446	µg/L		99
T Anthracene	10.242	178.0	1092607	48.8025	µg/L		99
T Triallate	10.313	86.0	255426	50.6533	µg/L		98
T Carbazole	10.485	167.0	1123980	49.7097	µg/L		98
T o-Terphenyl	10.698	230.0	609529	47.9400	µg/L		99
T Di-n-Butylphthalate	11.072	149.0	970759	48.9894	µg/L		100
T Fluoranthene	11.954	202.0	1175583	49.4749	µg/L		97
T Benzidine	12.338	184.0	430095	49.7161	µg/L		98
T Pyrene	12.379	202.0	1308067	50.1685	µg/L		98
T Butylbenzylphthalate	14.316	149.0	305113	47.6282	µg/L		95
T Benzo(a)Anthracene	15.512	228.0	944328	49.7470	µg/L		99
T Chrysene	15.624	228.0	1050170	48.6971	µg/L		98
T 3,3-Dichlorobenzidine	15.675	252.0	299783	47.6188	µg/L		98
T bis(2-ethylhexyl)Phthalate	16.370	167.0	104536	47.6952	µg/L		99
T Di-n-octyl Phthalate	18.133	149.0	706918	46.4377	µg/L		100

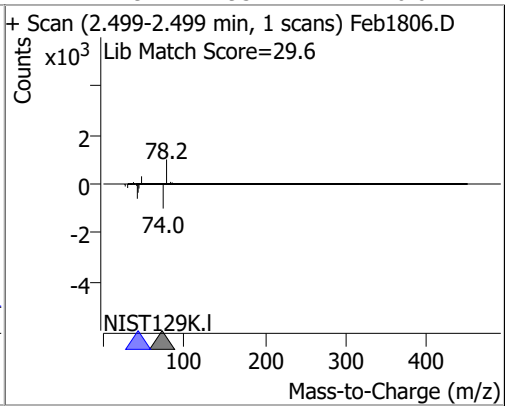
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.365	252.0	908237	48.1054	µg/L	99
T Benzo(k)fluoranthene	18.436	252.0	956185	48.7004	µg/L	99
T Benzo(a)pyrene	18.973	252.0	873144	49.5090	µg/L	96
T Indeno(1,2,3-c,d)pyrene	20.745	276.0	711904	48.0345	µg/L	97
T Dibenzo(a,h)anthracene	20.816	278.0	767418	47.7678	µg/L	98
T Benzo(g,h,i)perylene	21.079	276.0	822853	48.0870	µg/L	96

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

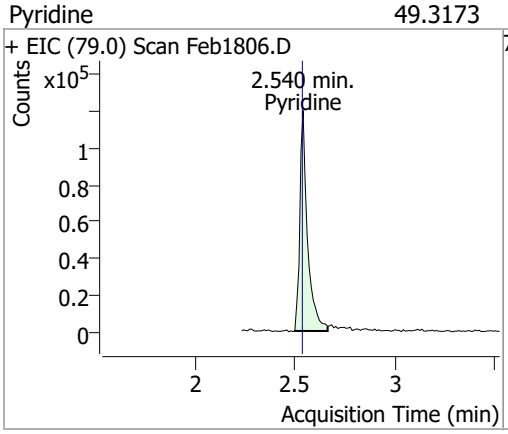
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	47.7313	2.50	0.01	117849	42.0	124.9	95.1	176.6

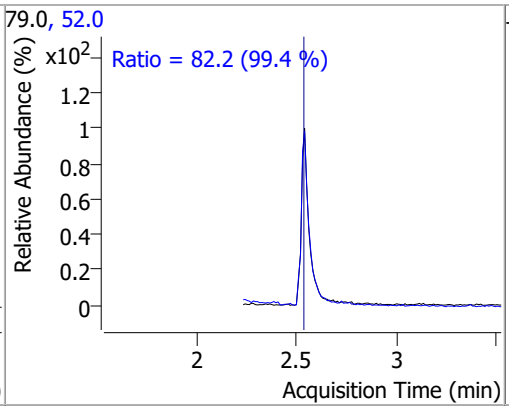


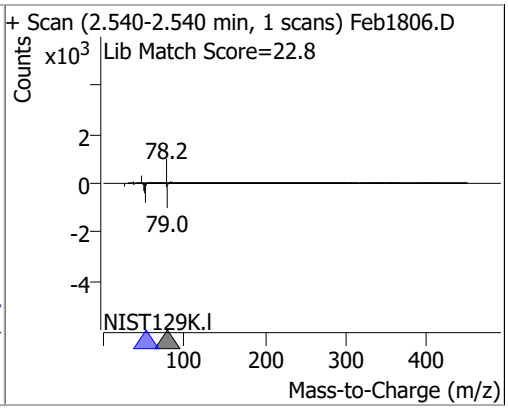




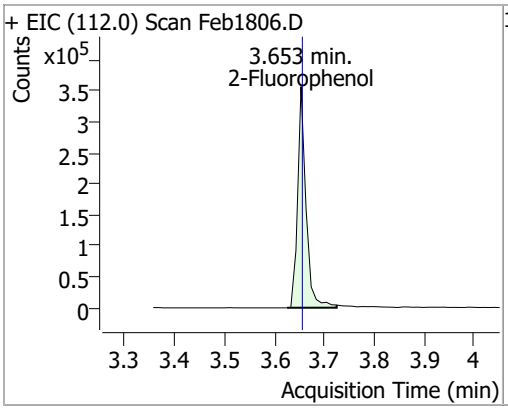
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	49.3173	2.54	0.01	315403	52.0	82.2	57.9	107.6

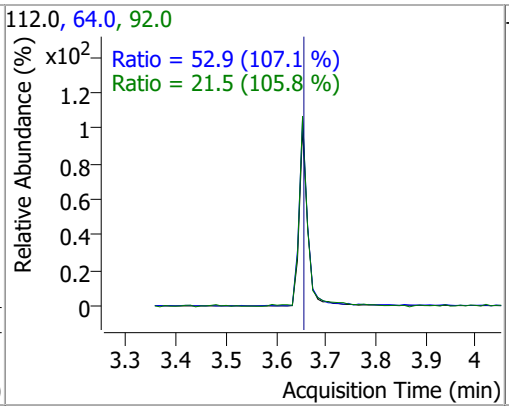


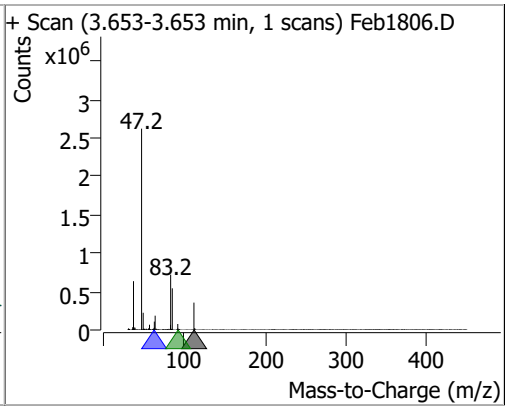




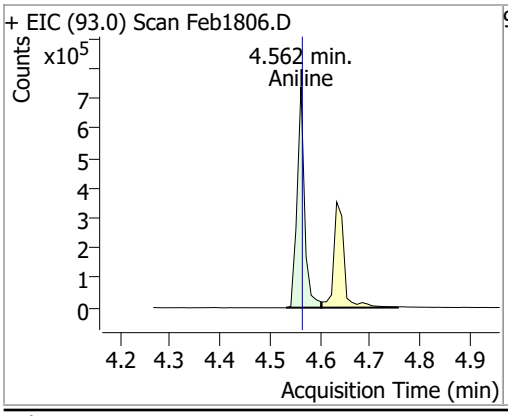
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	49.4461	3.65	0.00	414958	64.0	52.9	34.6	64.3
					92.0	21.5	14.2	26.5

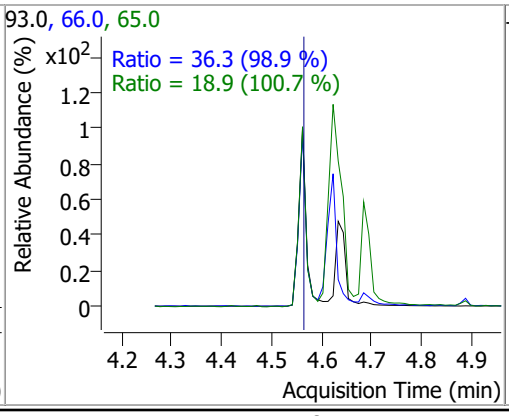


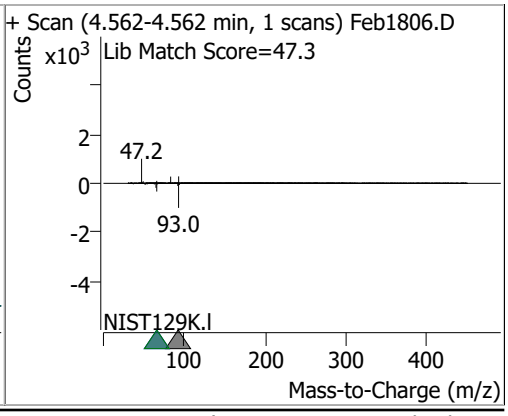




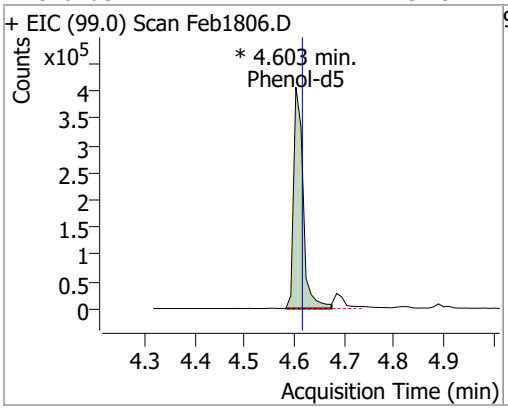
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	48.7288	4.56	0.00	767112	66.0	36.3	25.7	47.8
					65.0	18.9	13.1	24.4

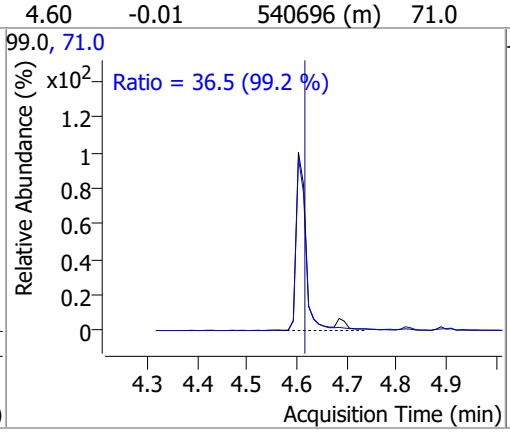


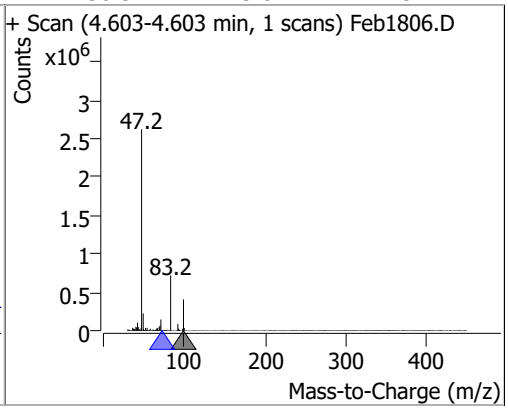




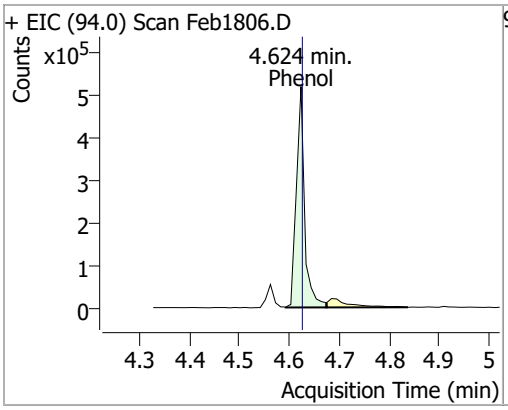
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	49.1912	4.60	-0.01	540696 (m)	71.0	36.5	25.8	47.9

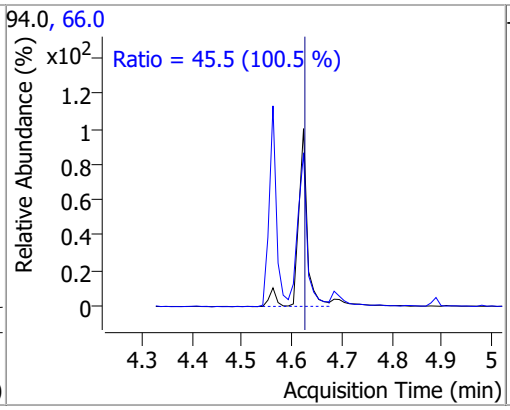


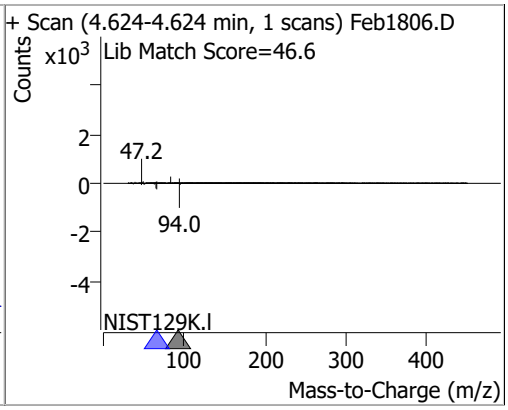




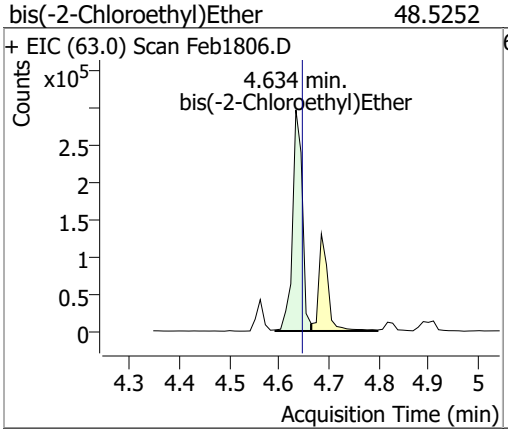
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	48.5783	4.62	0.00	590509	66.0	45.5	31.7	58.9

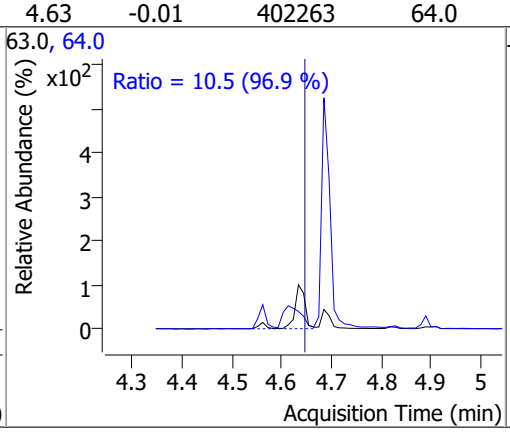


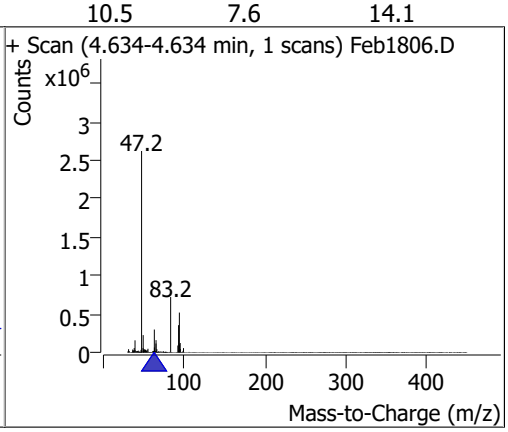




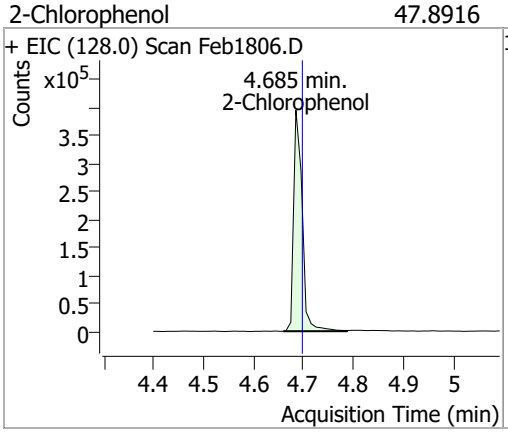
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	48.5252	4.63	-0.01	402263	64.0	10.5	7.6	14.1

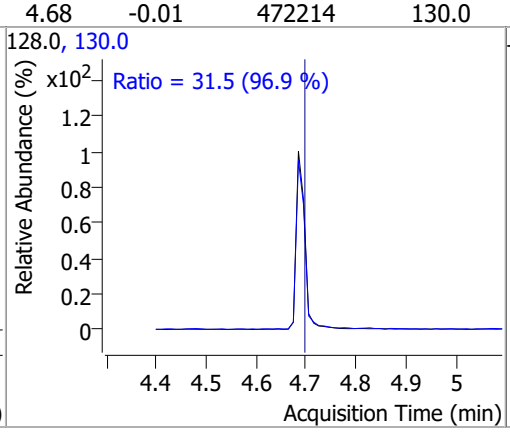


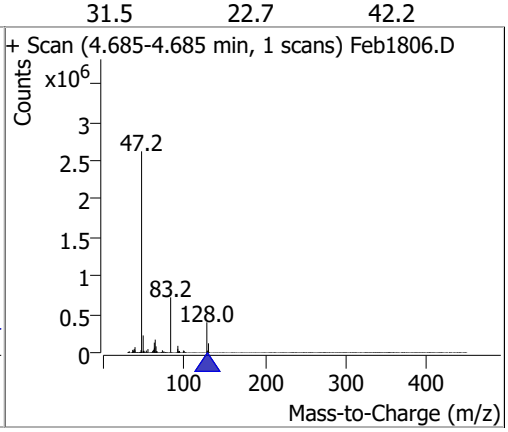




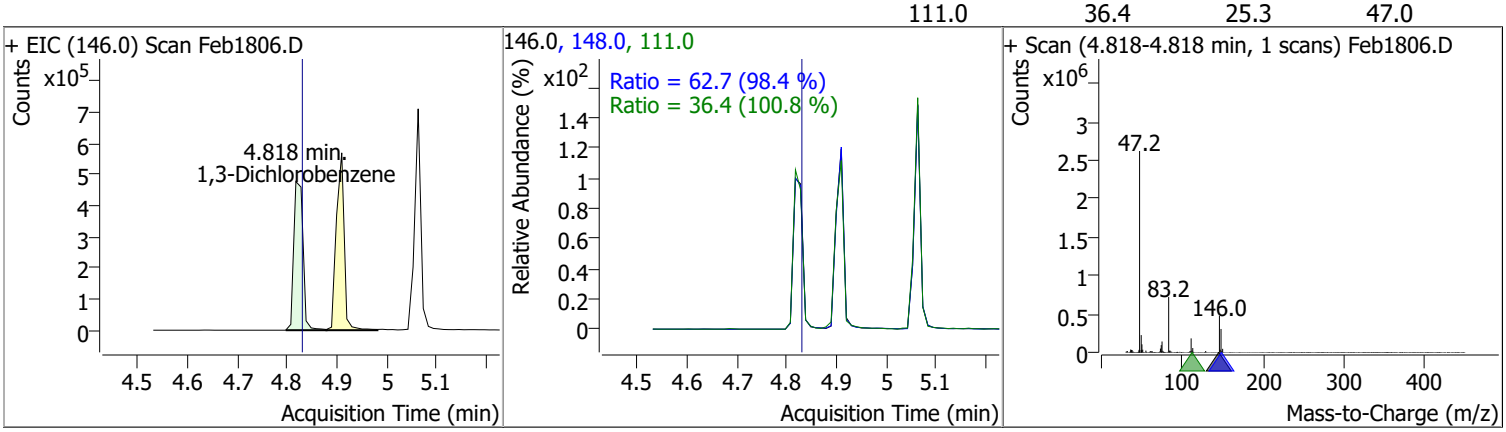
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	47.8916	4.68	-0.01	472214	130.0	31.5	22.7	42.2



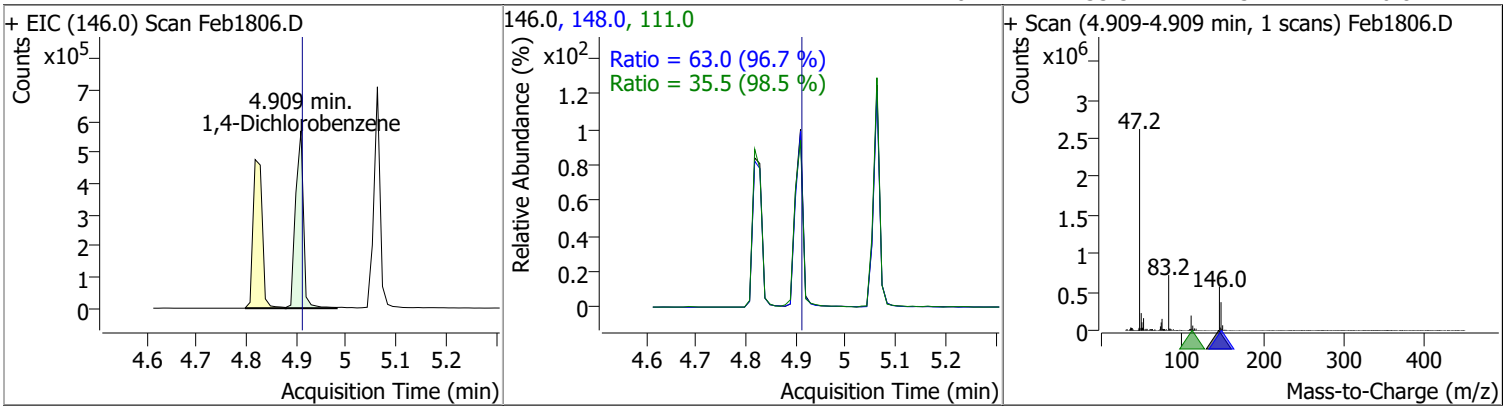




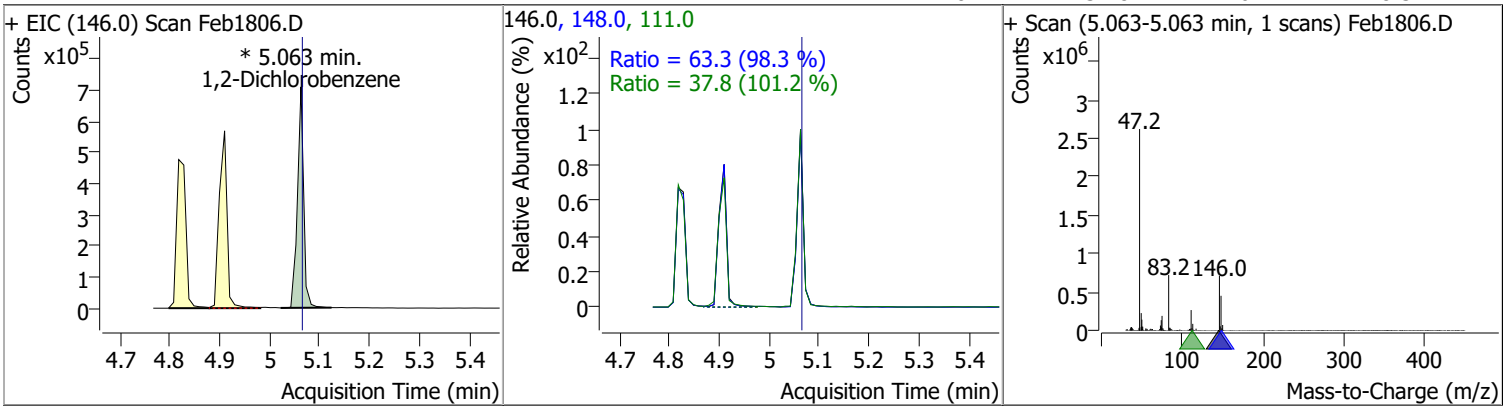
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	47.6832	4.82	-0.01	613144	148.0	62.7	44.6	82.8
					111.0	36.4	25.3	47.0



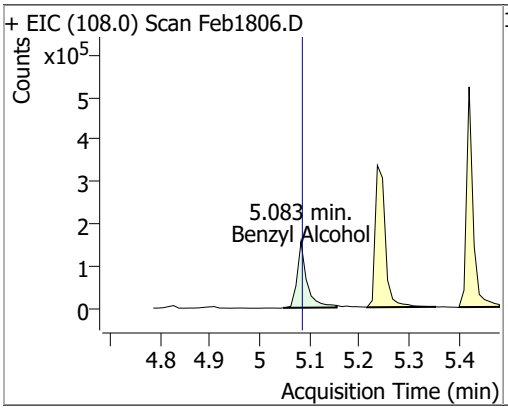
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	47.5208	4.91	0.00	621874	148.0	63.0	45.6	84.8
					111.0	35.5	25.2	46.8

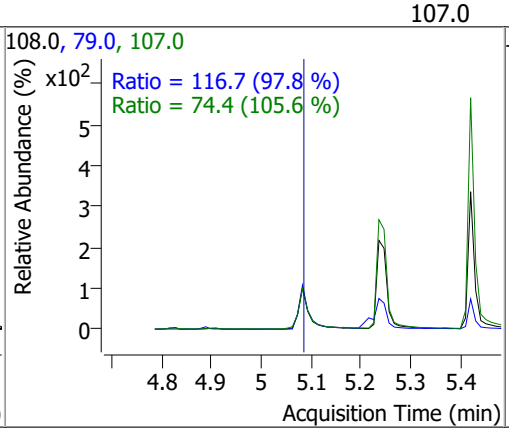


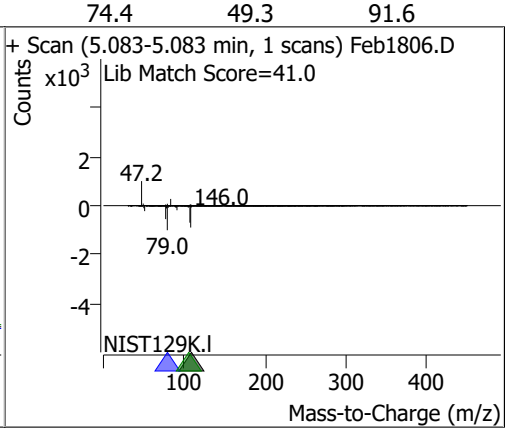
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	48.8945	5.06	0.00	611643 (m)	148.0	63.3	45.1	83.8
					111.0	37.8	26.1	48.5



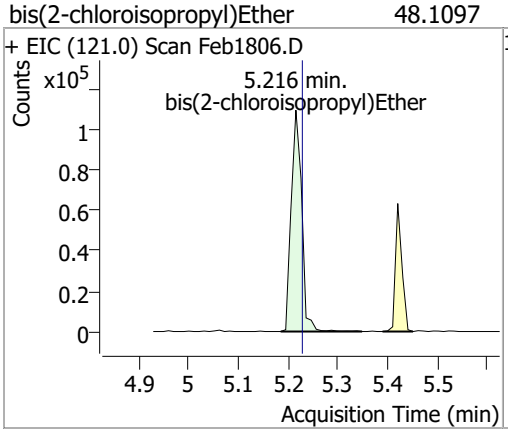
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	46.5715	5.08	0.00	213122	79.0	116.7	83.5	155.1
					107.0	74.4	49.3	91.6

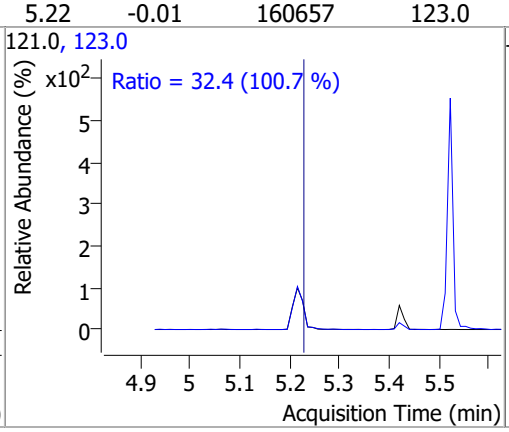


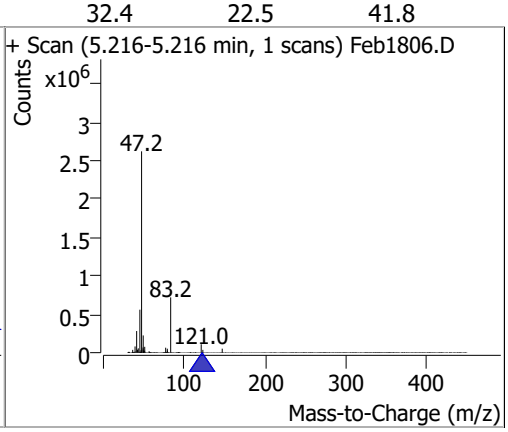




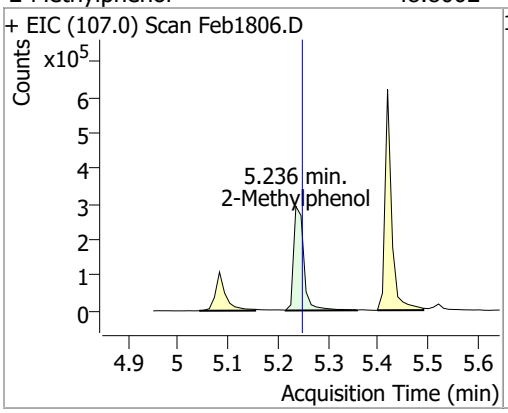
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	48.1097	5.22	-0.01	160657	123.0	32.4	22.5	41.8

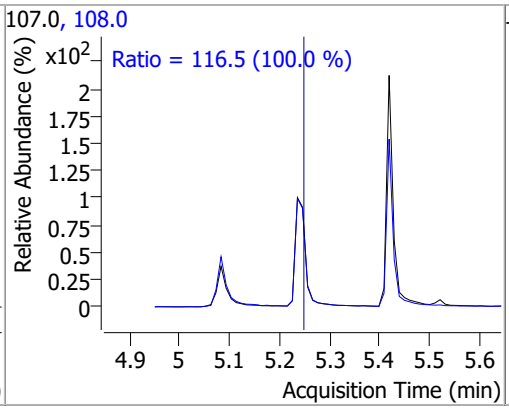


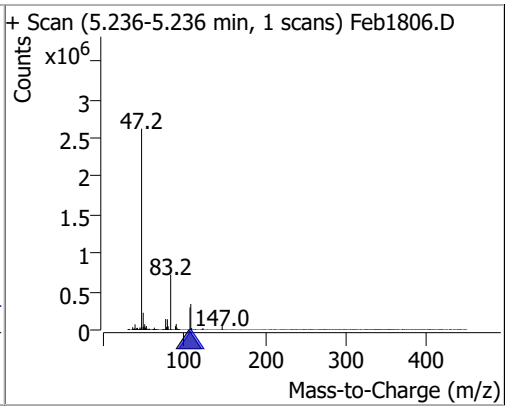




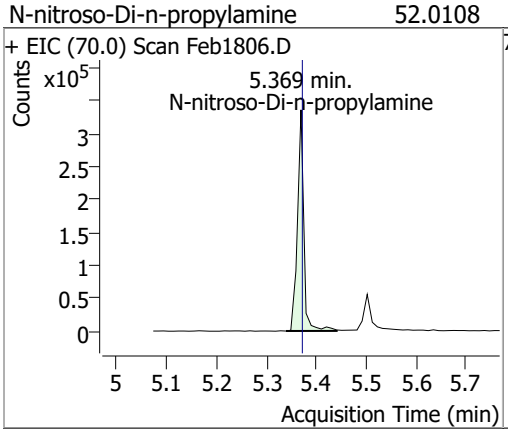
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	48.8002	5.24	-0.01	416195	108.0	116.5	81.5	151.4

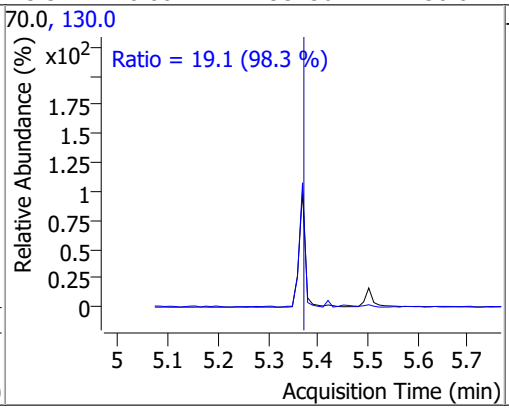


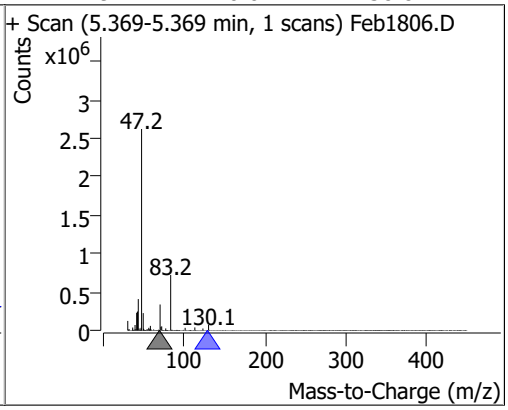




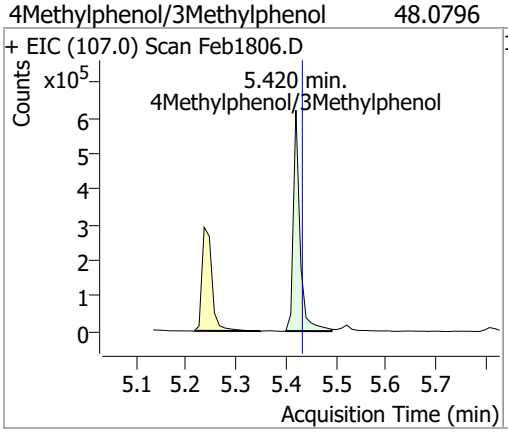
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	52.0108	5.37	0.00	295456	130.0	19.1	0.0	38.8

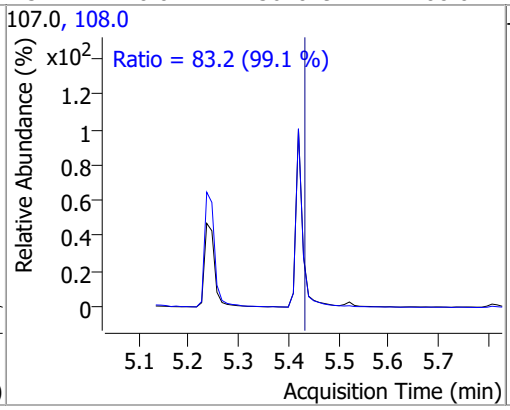


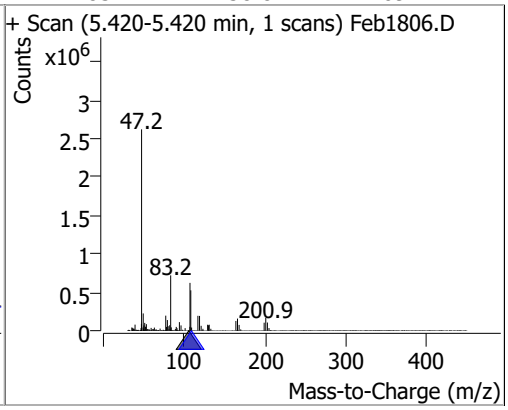




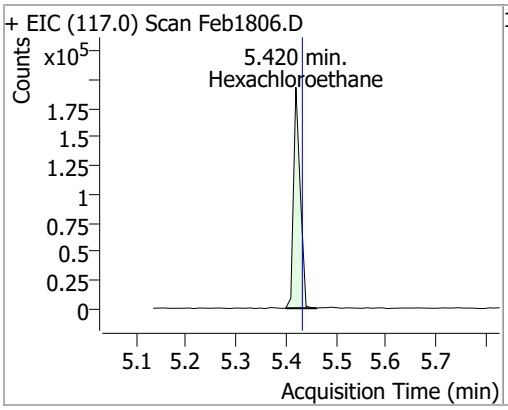
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	48.0796	5.42	-0.01	564049	108.0	83.2	58.8	109.1

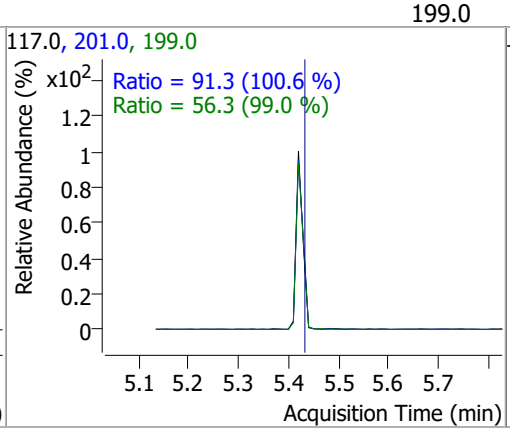


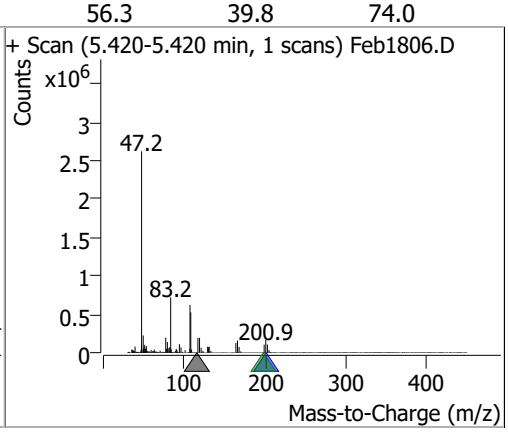




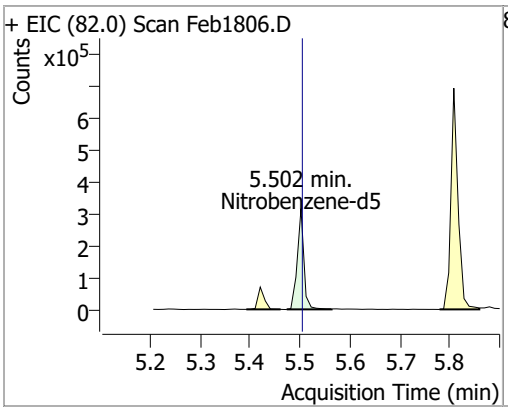
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	47.7941	5.42	-0.01	176921	201.0	91.3	63.5	118.0
					199.0	56.3	39.8	74.0

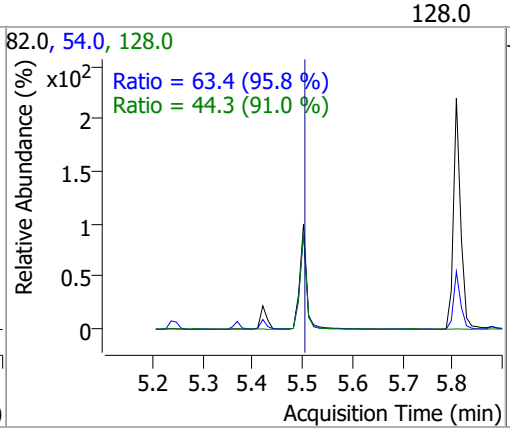


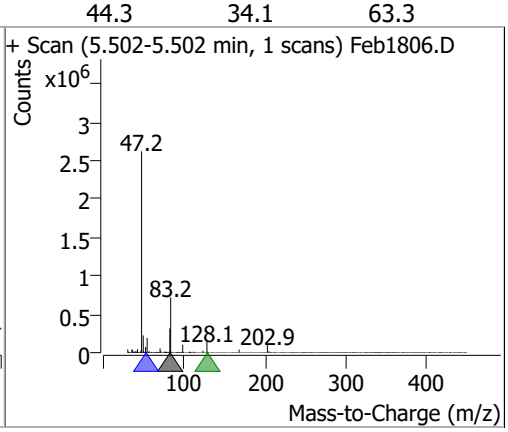




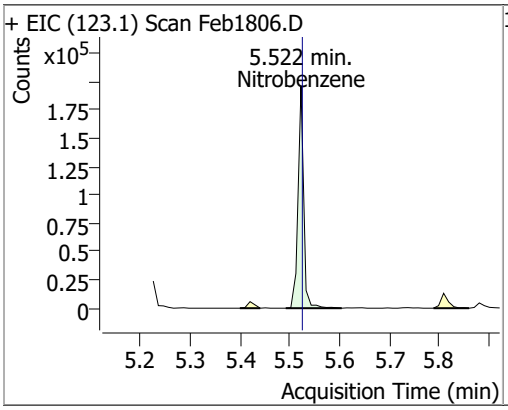
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	47.9581	5.50	0.00	289612	54.0	63.4	46.3	86.0
					128.0	44.3	34.1	63.3

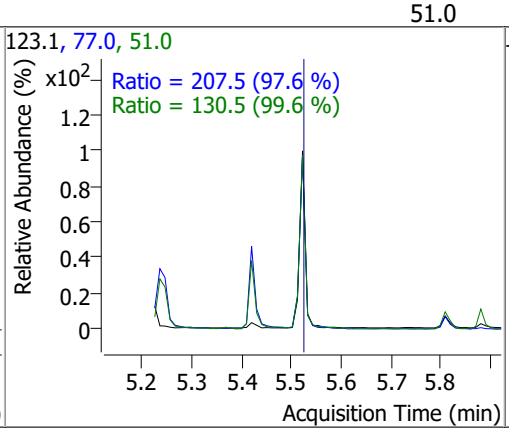


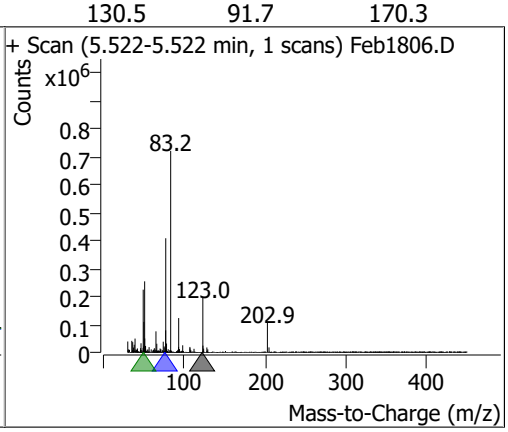




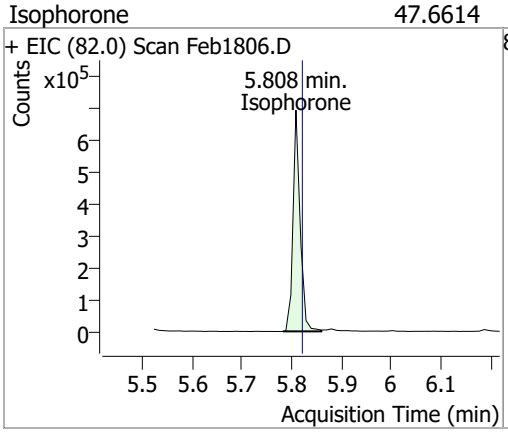
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	48.9550	5.52	0.00	153327	77.0	207.5	148.9	276.5
					51.0	130.5	91.7	170.3

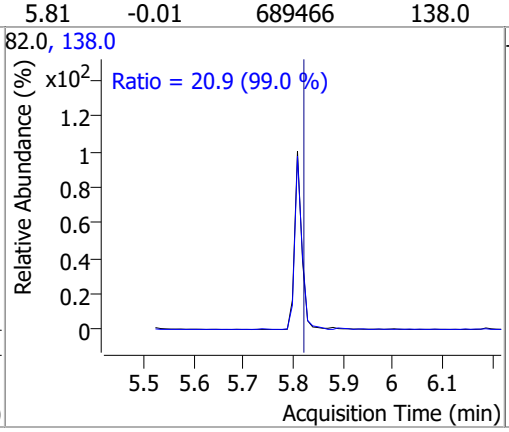


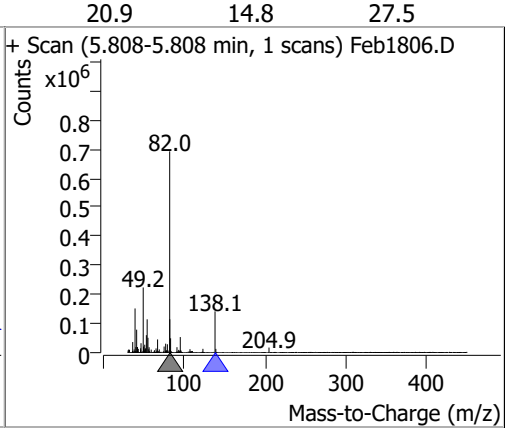




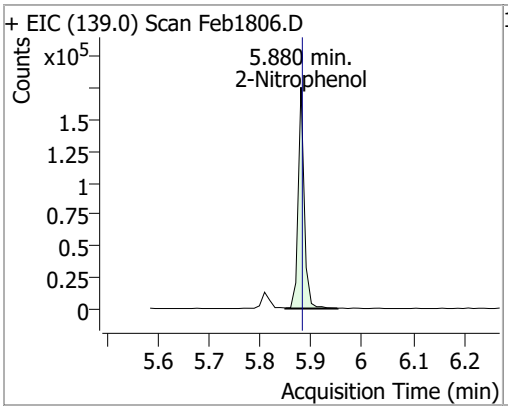
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	47.6614	5.81	-0.01	689466	138.0	20.9	14.8	27.5

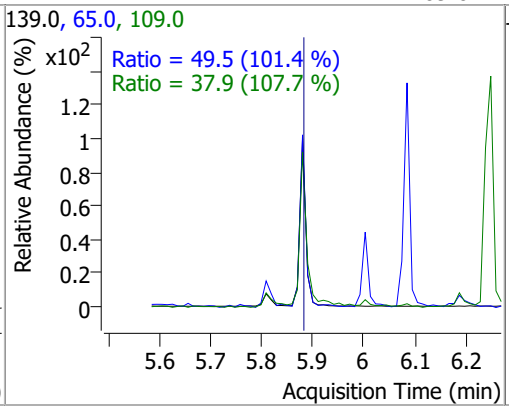


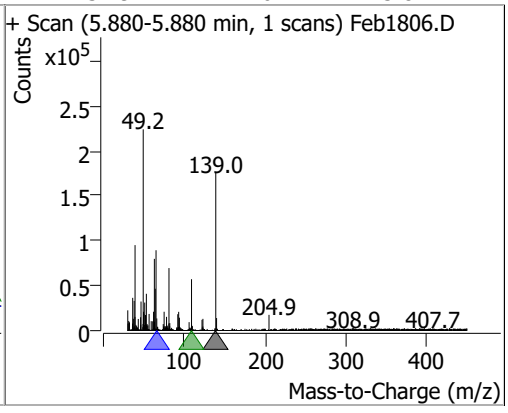




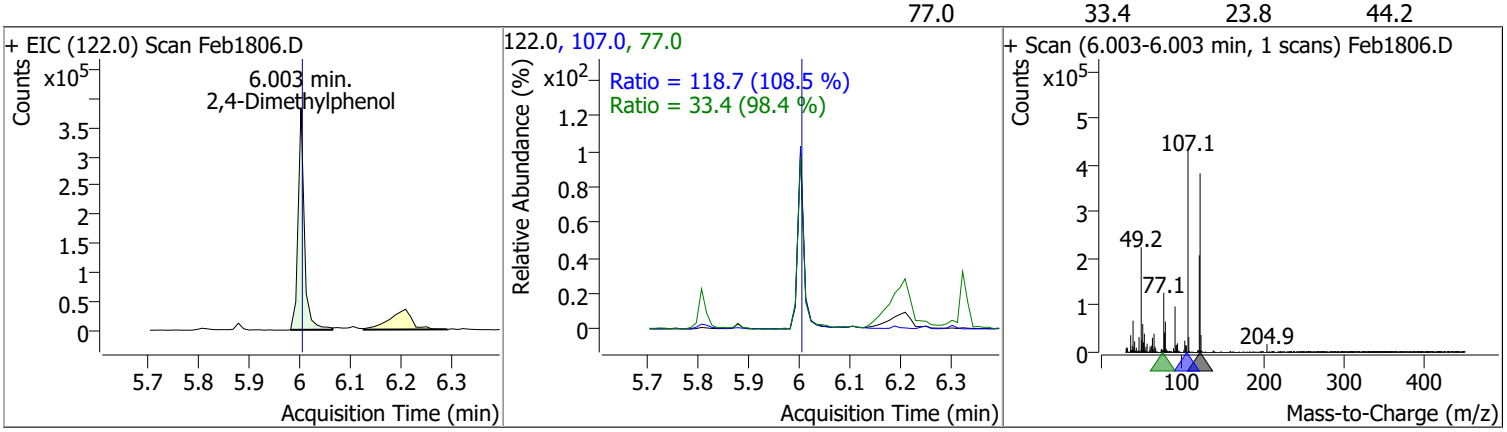
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	47.6904	5.88	0.00	145865	65.0	49.5	34.2	63.4
					109.0	37.9	24.6	45.8



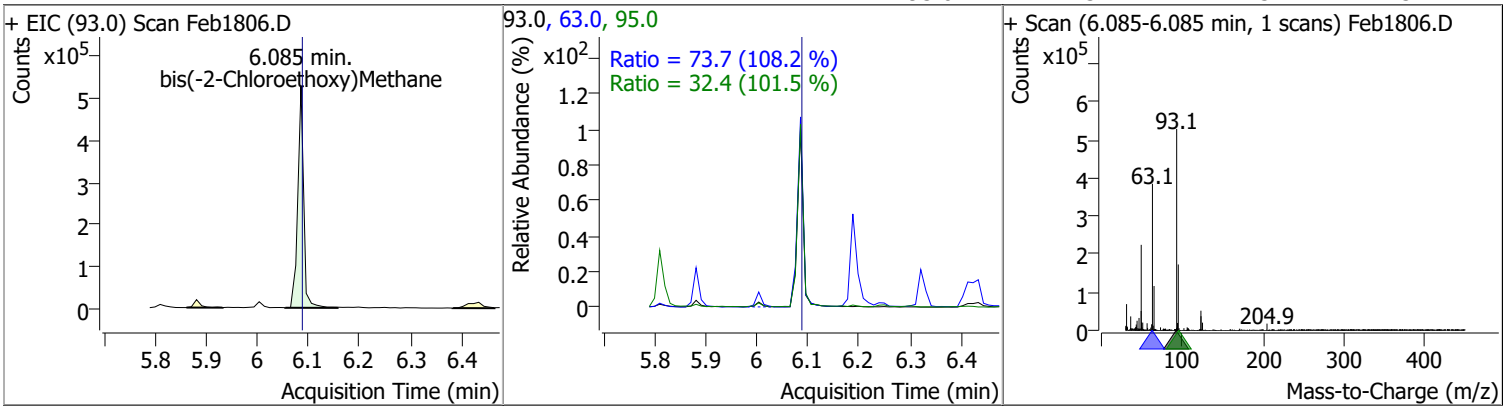




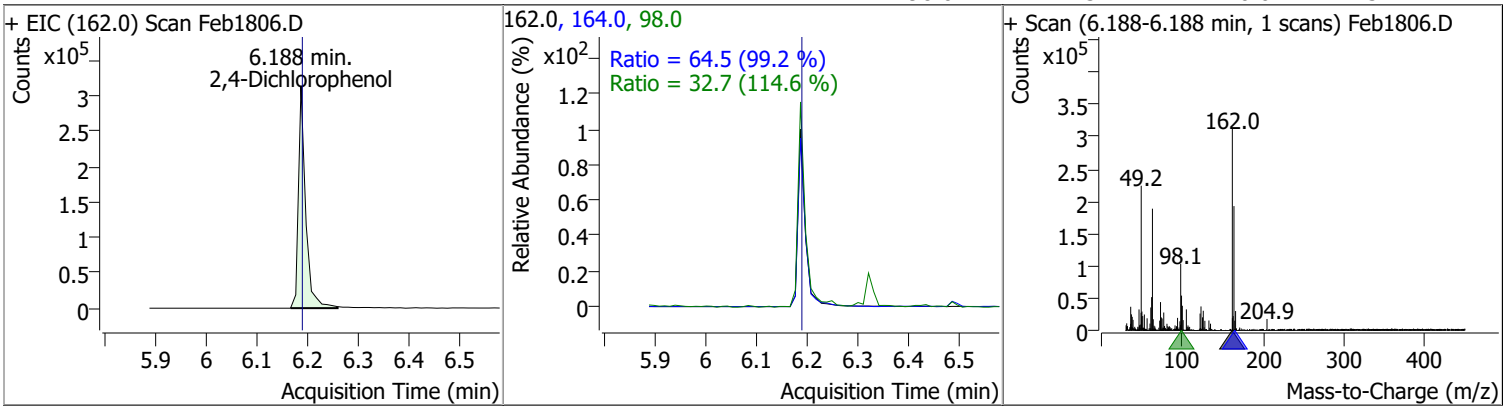
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	44.7058	6.00	0.00	310997	107.0	118.7	76.6	142.3
					77.0	33.4	23.8	44.2



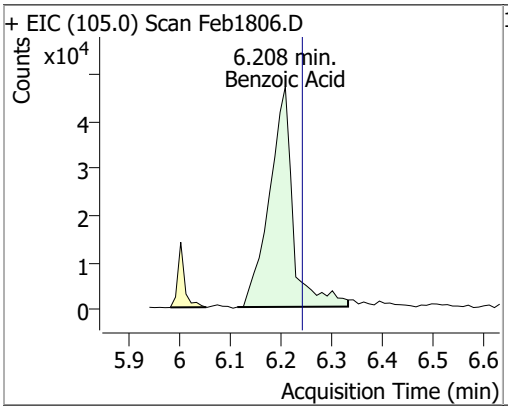
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	50.5699	6.08	0.00	423833	63.0	73.7	47.7	88.6
					95.0	32.4	22.3	41.5

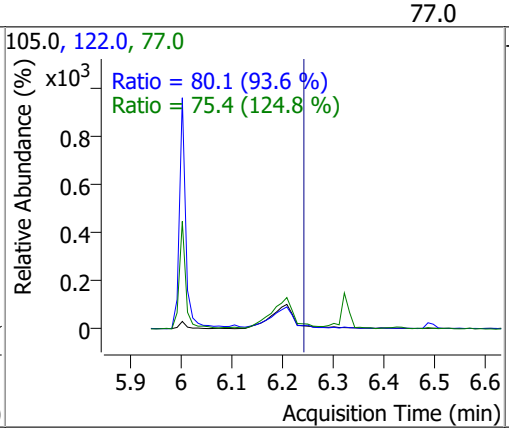


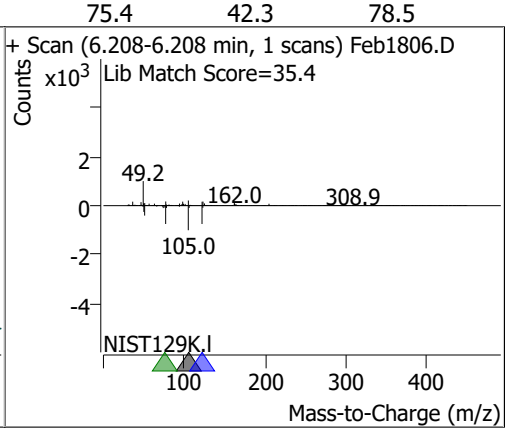
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	46.8883	6.19	0.00	302701	164.0	64.5	45.5	84.5
					98.0	32.7	20.0	37.1



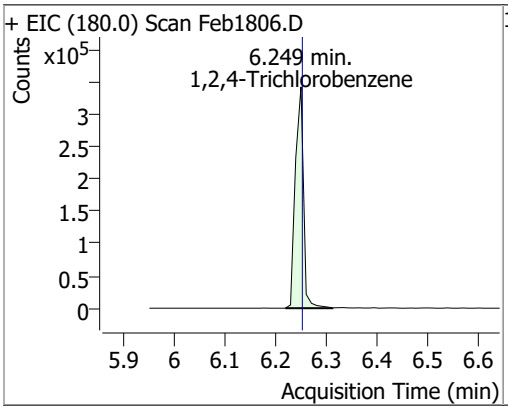
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	47.3454	6.21	-0.03	150889	122.0	80.1	59.9	111.2
					77.0	75.4	42.3	78.5

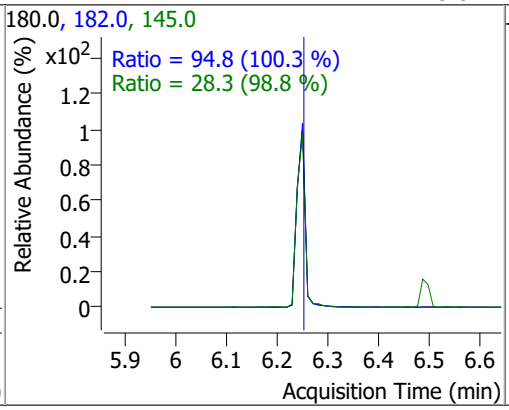


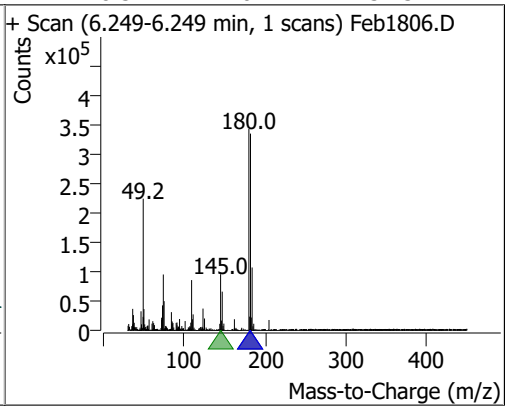




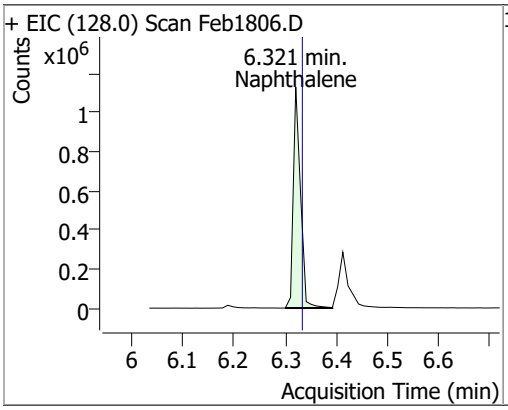
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	47.4978	6.25	0.00	381654	182.0	94.8	66.2	122.9
					145.0	28.3	20.1	37.3

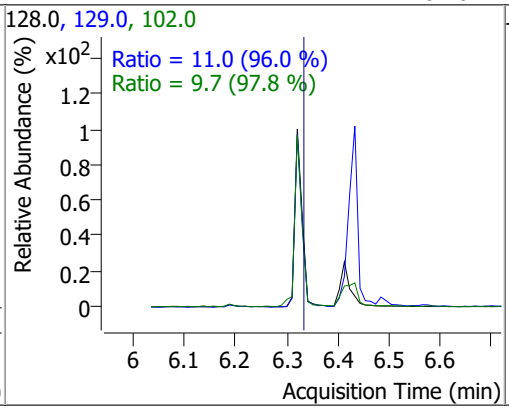


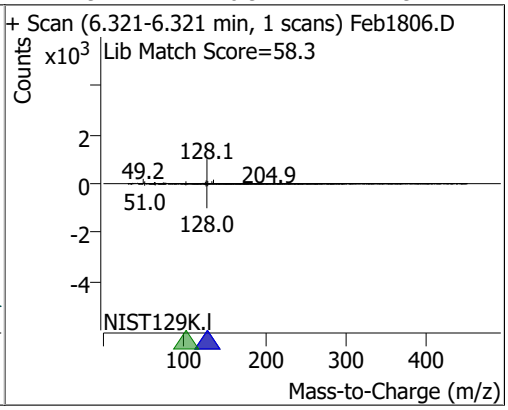




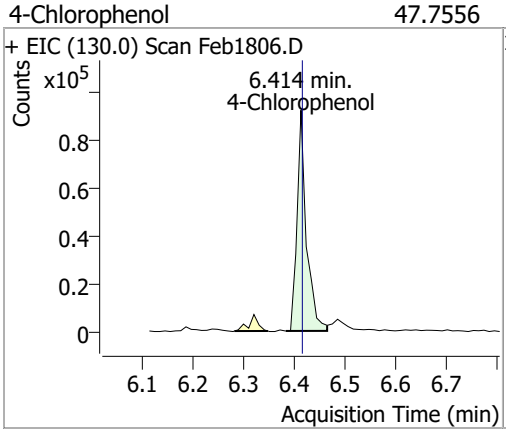
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	45.7297	6.32	-0.01	1110201	129.0	11.0	8.0	14.9
					102.0	9.7	6.9	12.9

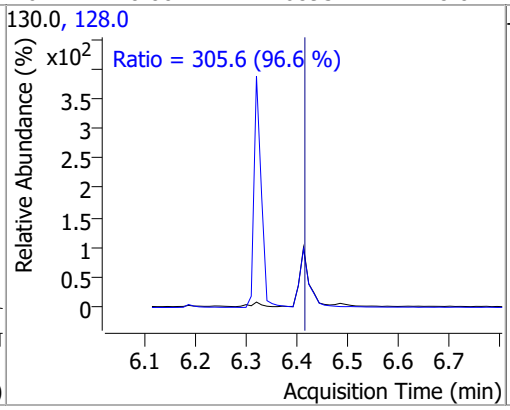


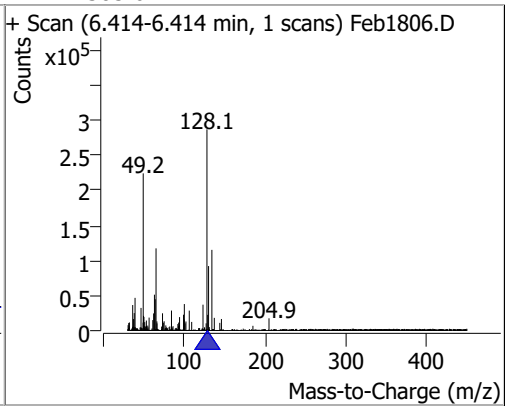




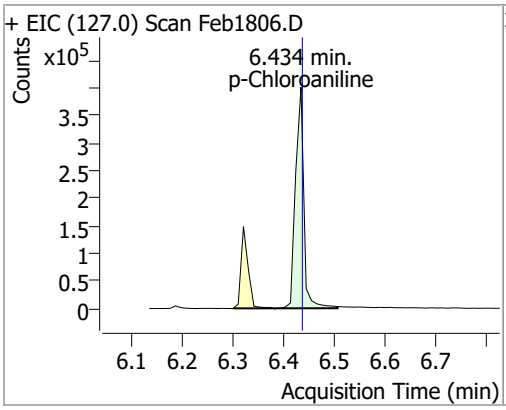
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	47.7556	6.41	0.00	116895	128.0	305.6	221.4	411.2

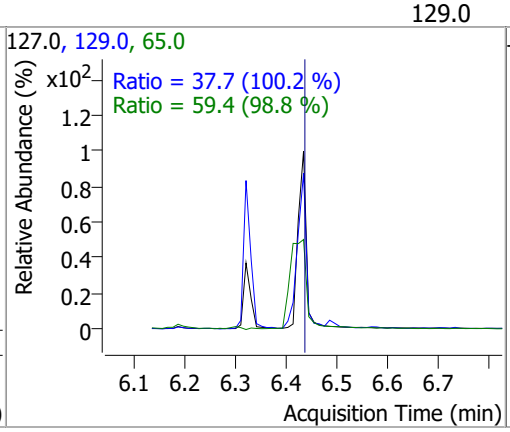


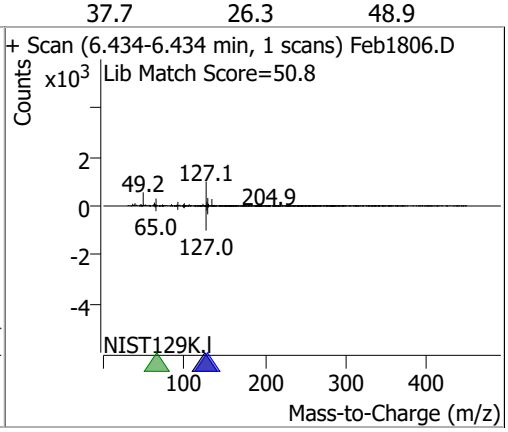




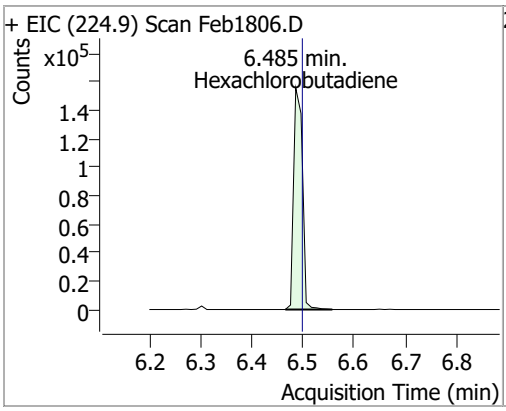
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	49.0478	6.43	0.00	453225	65.0	59.4	42.1	78.2
					129.0	37.7	26.3	48.9

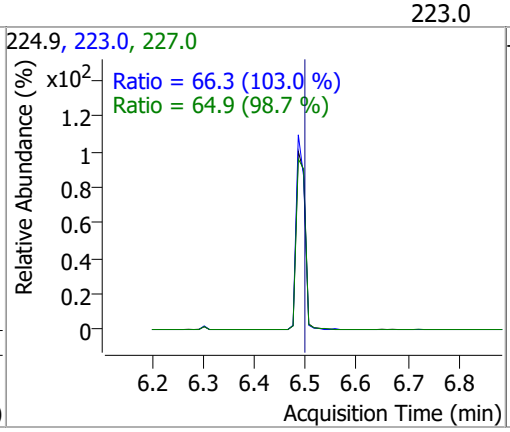


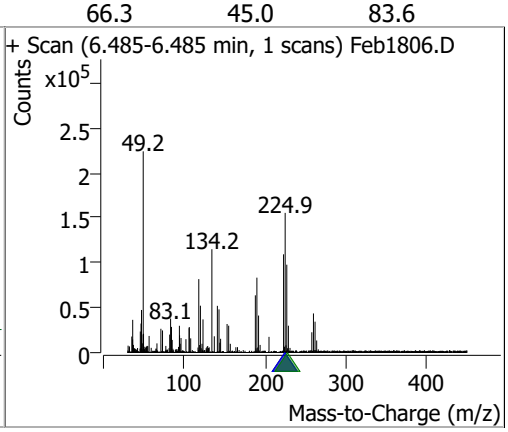




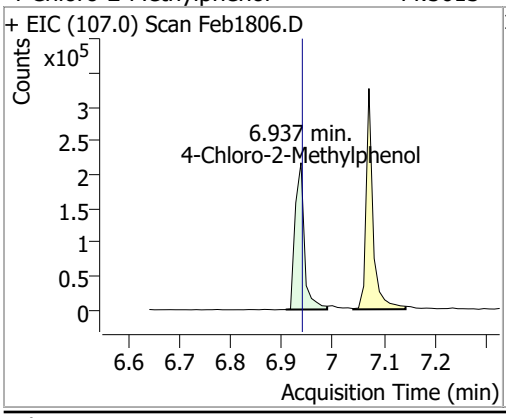
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	46.5537	6.49	-0.01	188037	227.0	64.9	46.0	85.4
					223.0	66.3	45.0	83.6

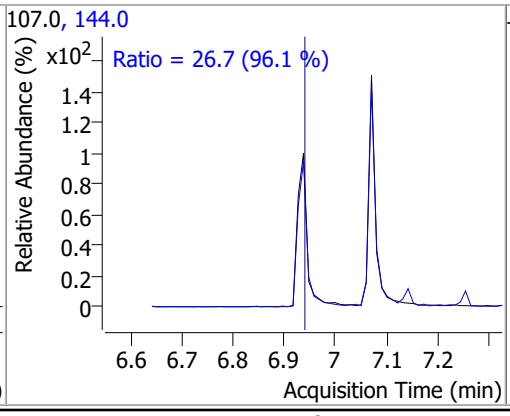


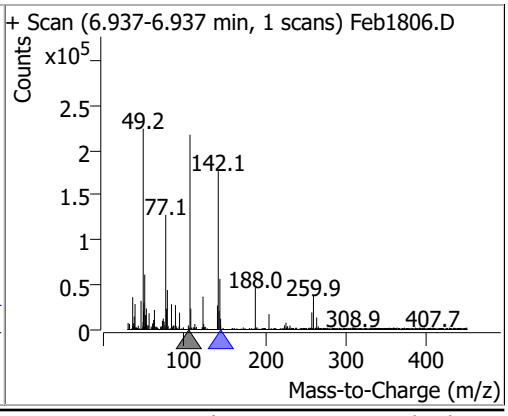




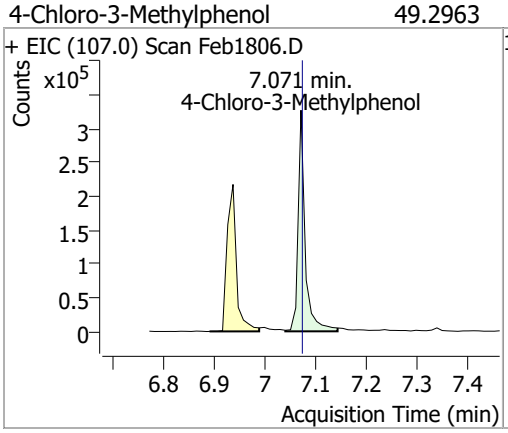
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	44.5613	6.94	0.00	274008	144.0	26.7	19.4	36.1

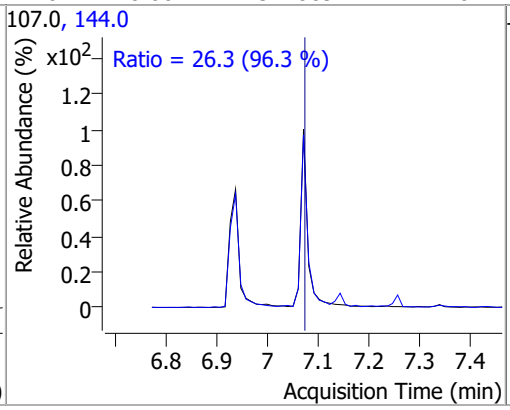


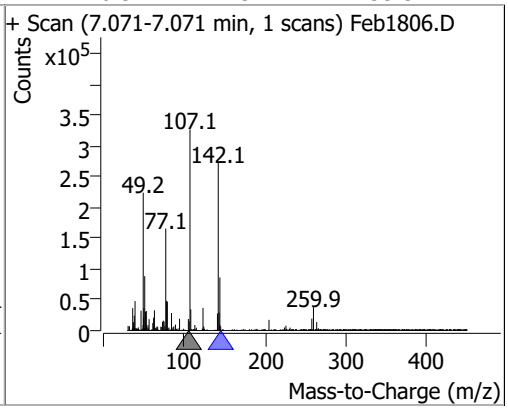




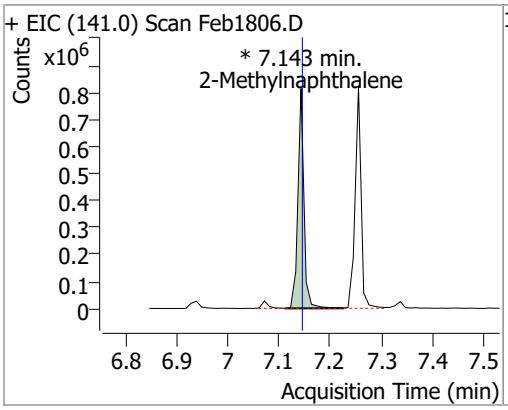
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	49.2963	7.07	0.00	311889	144.0	26.3	19.1	35.5

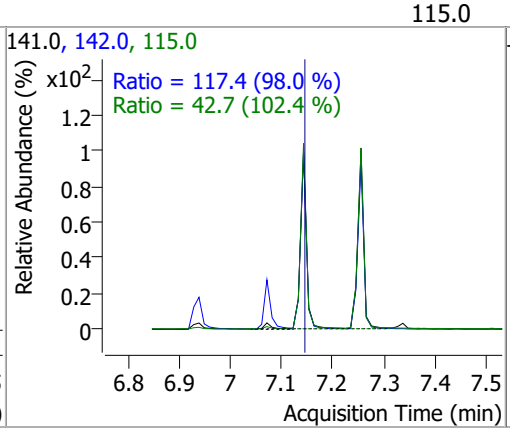


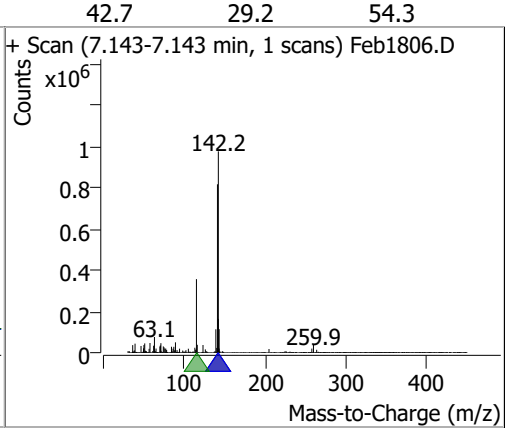




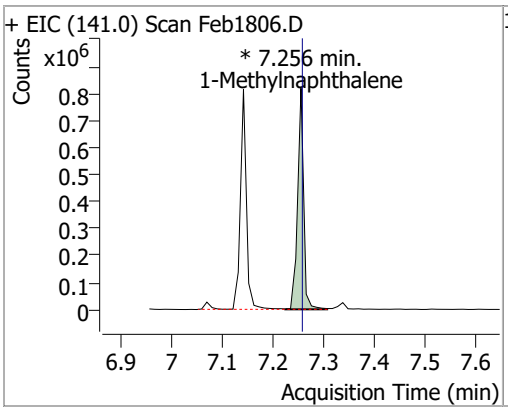
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	51.0637	7.14	0.00	670695 (m)	142.0	117.4	83.8	155.7
					115.0	42.7	29.2	54.3

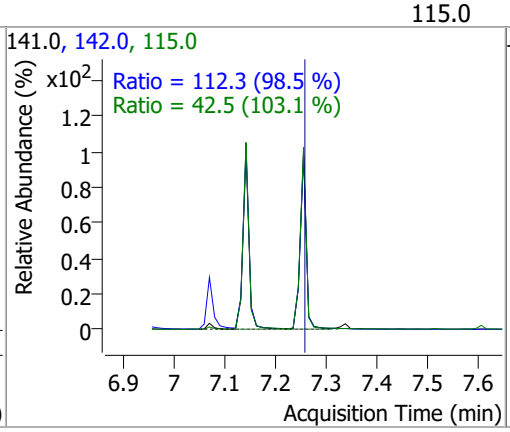


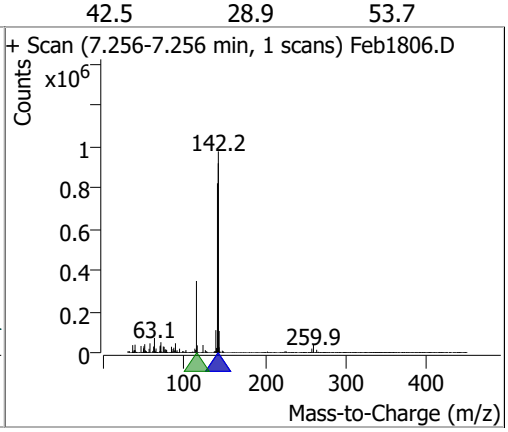




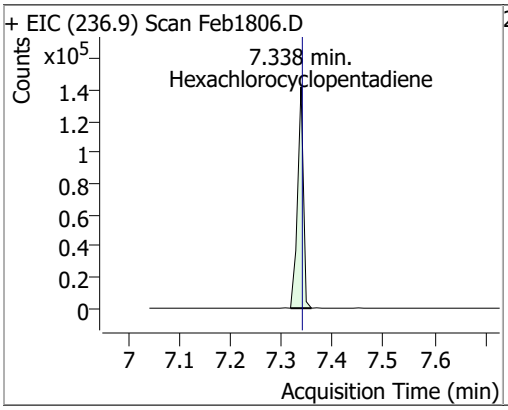
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	52.0765	7.26	0.00	672135 (m)	142.0	112.3	79.8	148.2
					115.0	42.5	28.9	53.7

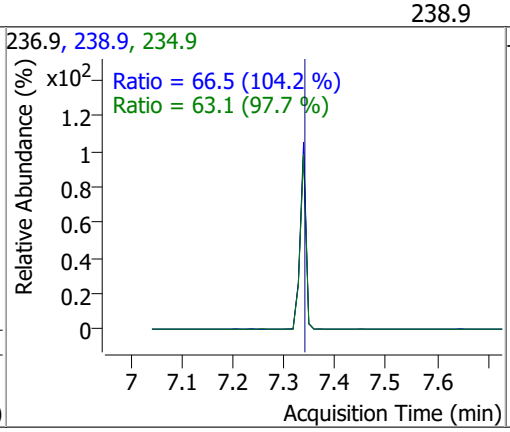


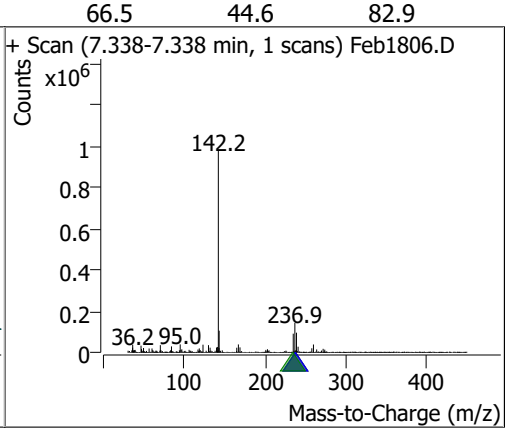




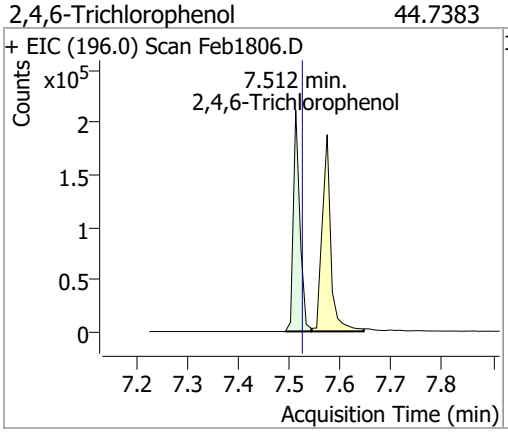
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	47.6532	7.34	0.00	113002	234.9	63.1	45.2	84.0
					238.9	66.5	44.6	82.9

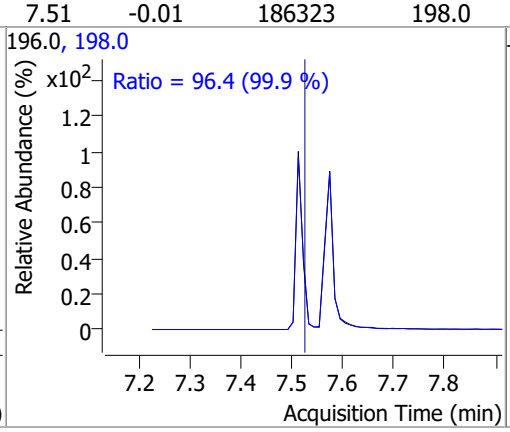


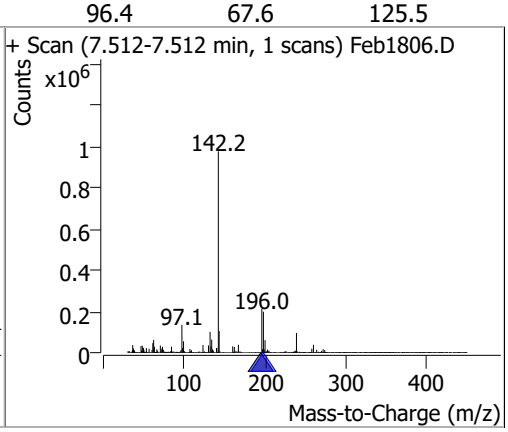




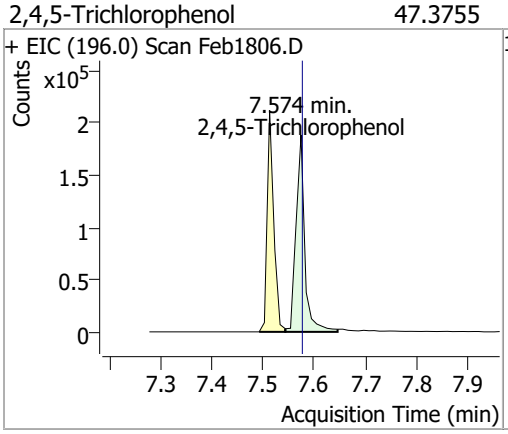
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	44.7383	7.51	-0.01	186323	198.0	96.4	67.6	125.5

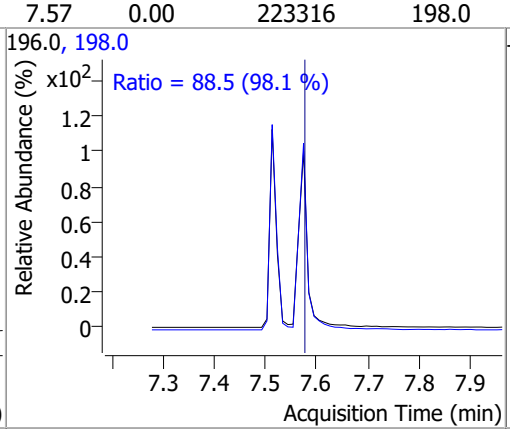


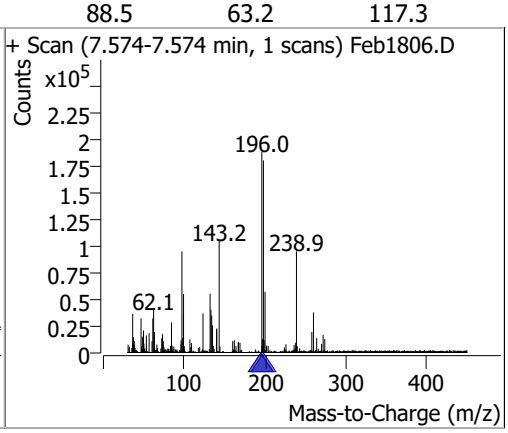




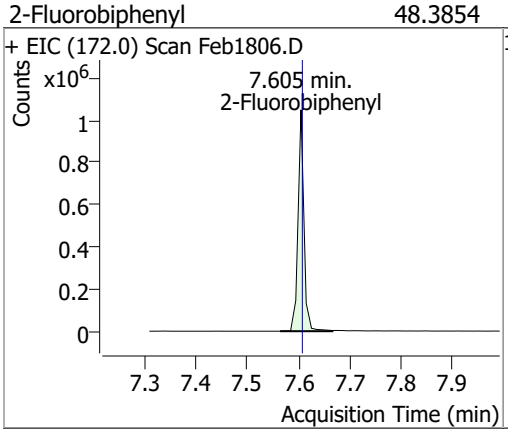
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	47.3755	7.57	0.00	223316	198.0	88.5	63.2	117.3

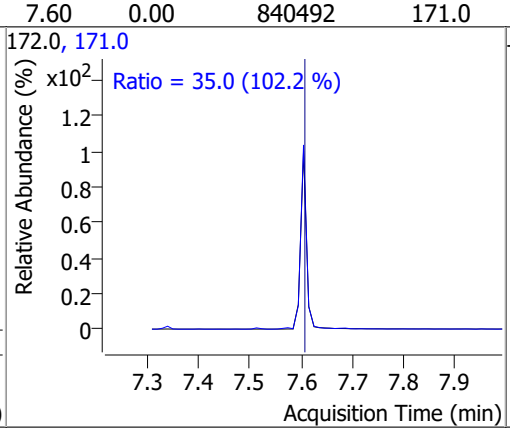


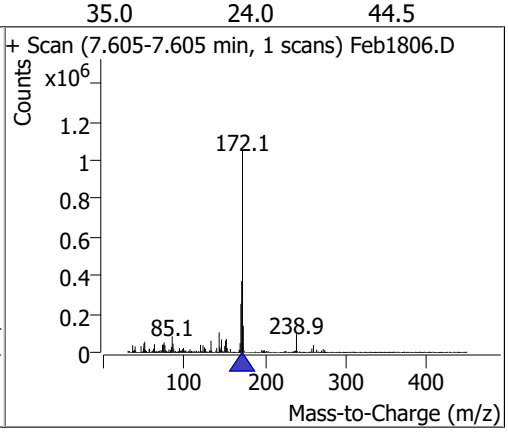




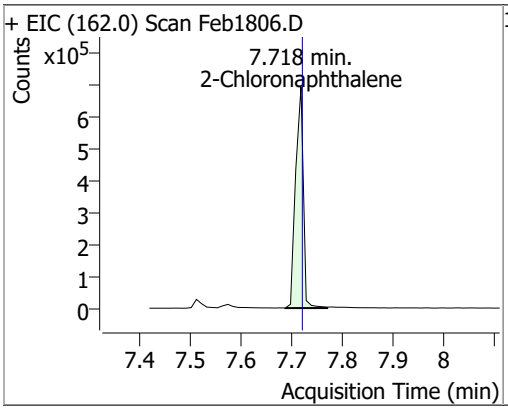
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	48.3854	7.60	0.00	840492	171.0	35.0	24.0	44.5

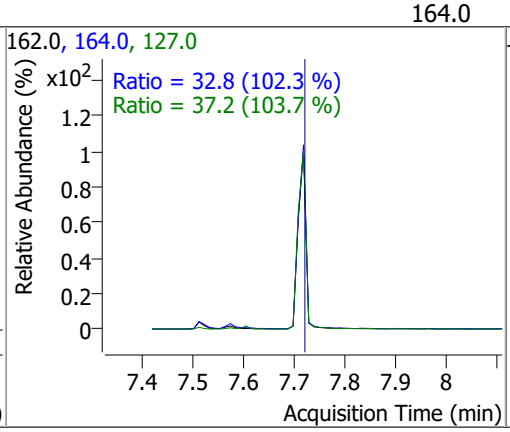


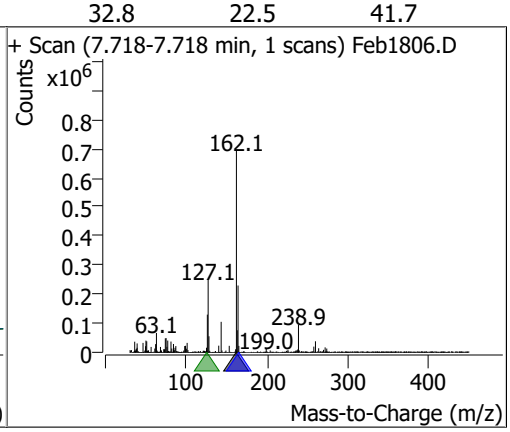




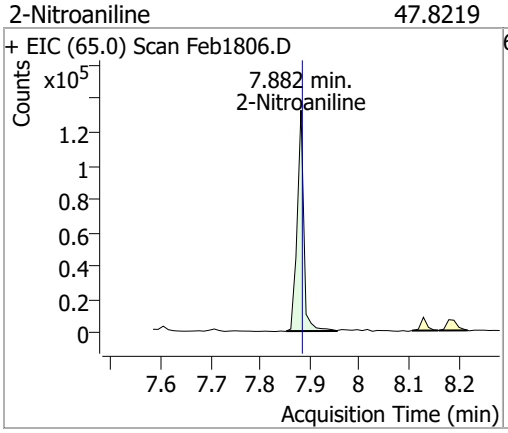
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	49.7944	7.72	0.00	726480	127.0	37.2	25.1	46.7
					164.0	32.8	22.5	41.7

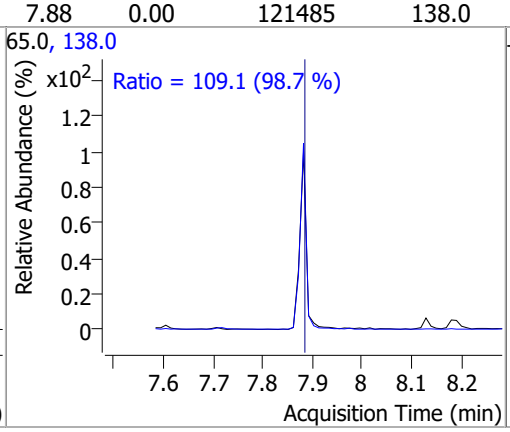


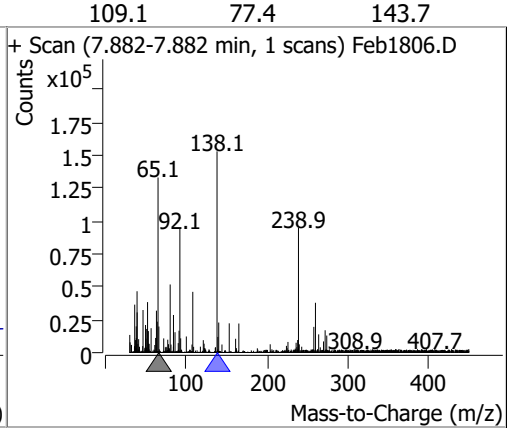




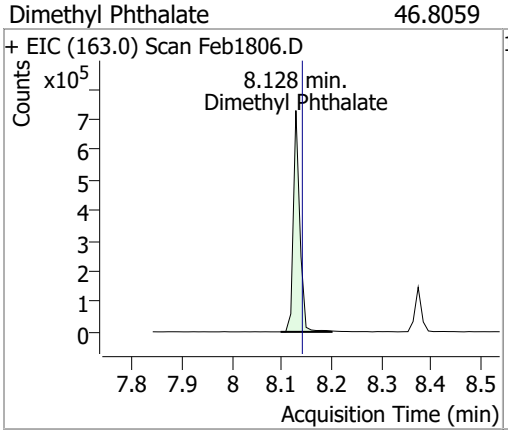
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	47.8219	7.88	0.00	121485	138.0	109.1	77.4	143.7

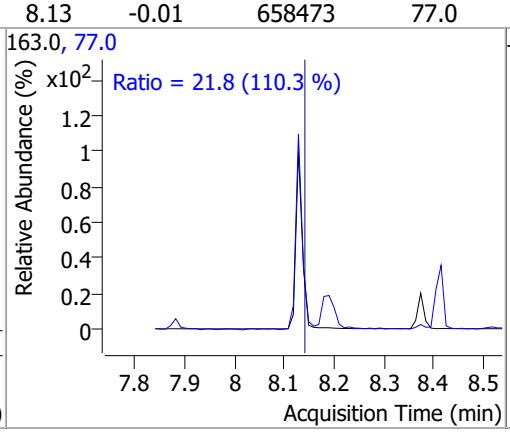


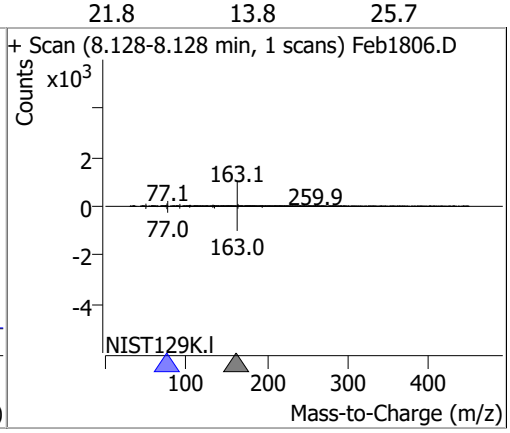




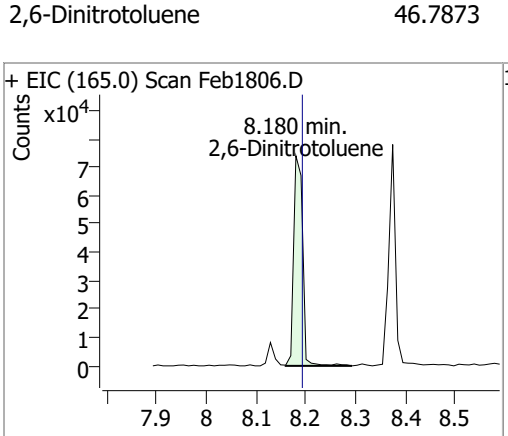
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	46.8059	8.13	-0.01	658473	77.0	21.8	13.8	25.7

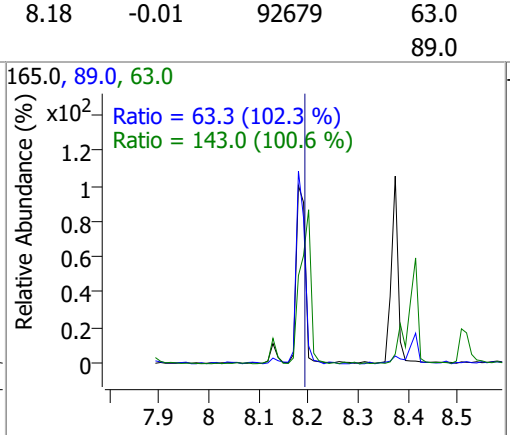


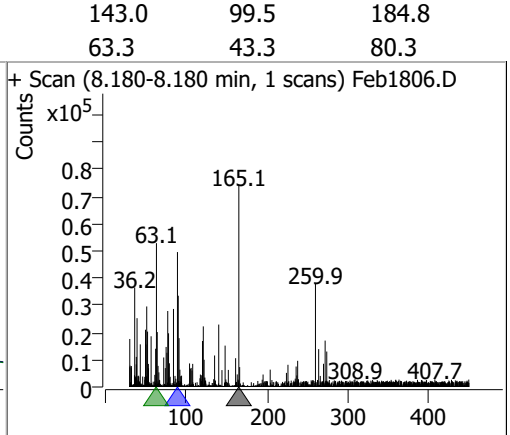




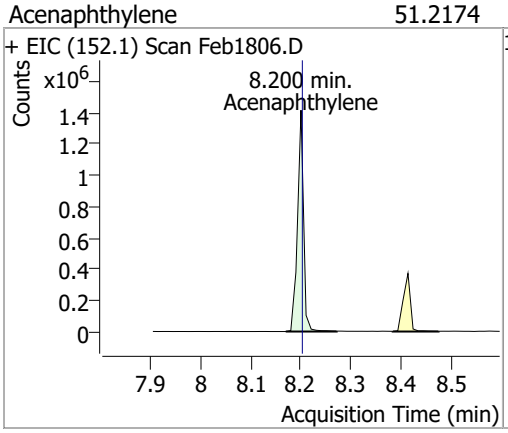
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	46.7873	8.18	-0.01	92679	63.0	143.0	99.5	184.8
					89.0	63.3	43.3	80.3

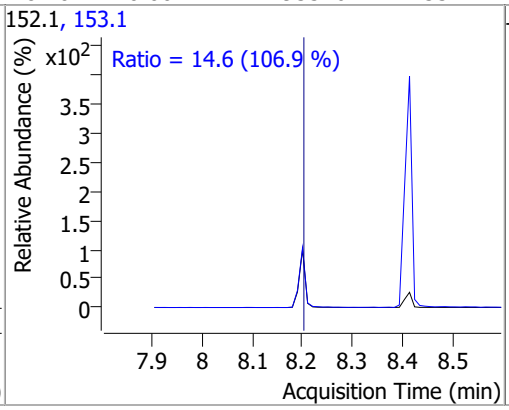


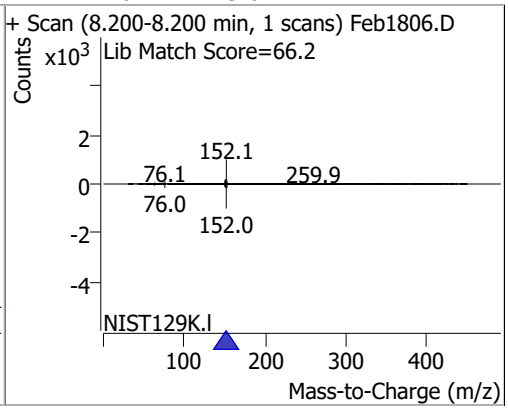




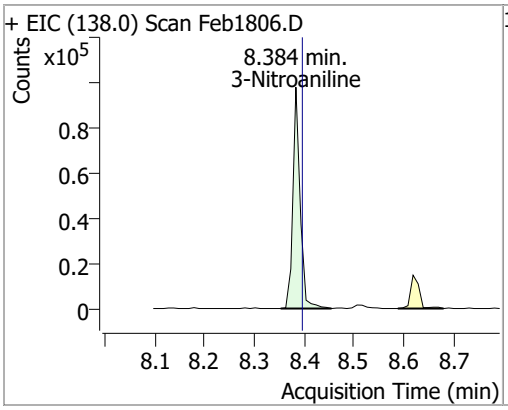
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	51.2174	8.20	0.00	1195576	153.1	14.6	9.6	17.7

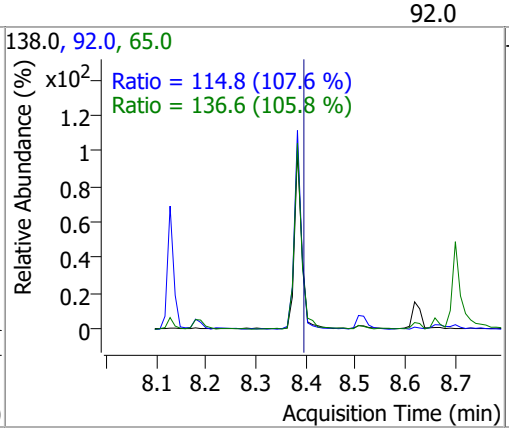


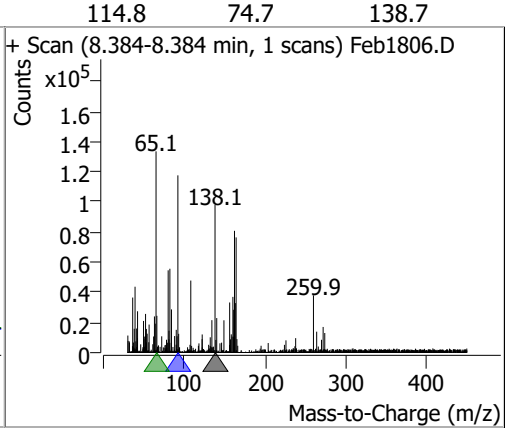




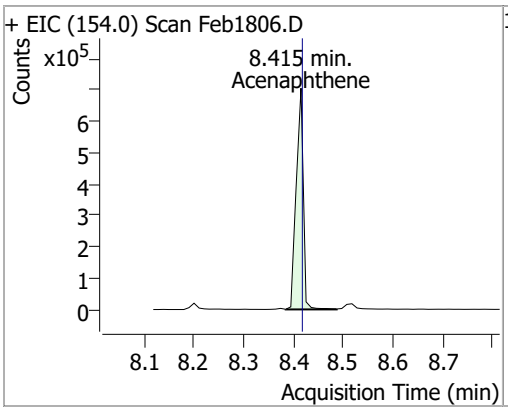
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	45.4914	8.38	-0.01	99318	65.0	136.6	90.4	167.8
					92.0	114.8	74.7	138.7

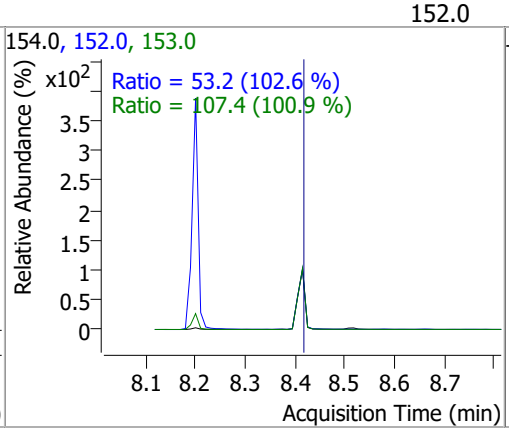


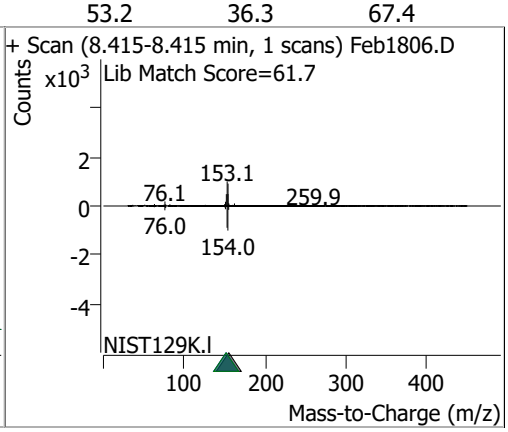




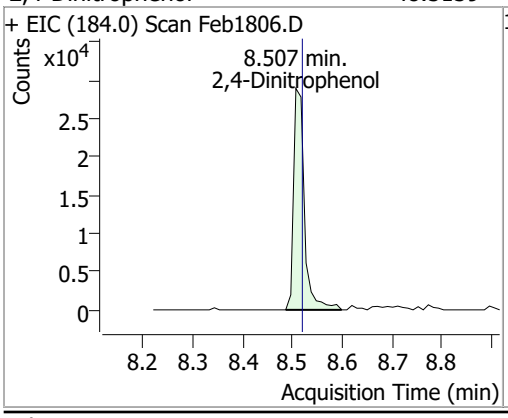
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	50.6665	8.41	0.00	694646	153.0	107.4	74.5	138.4
					152.0	53.2	36.3	67.4

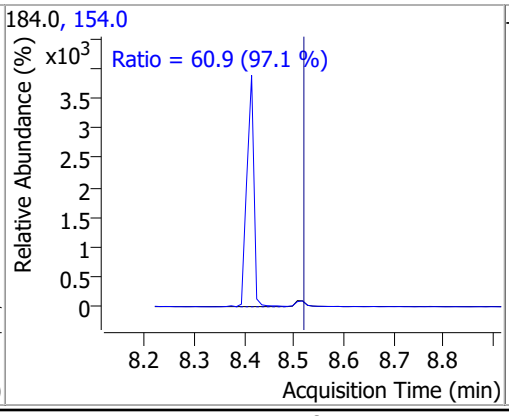


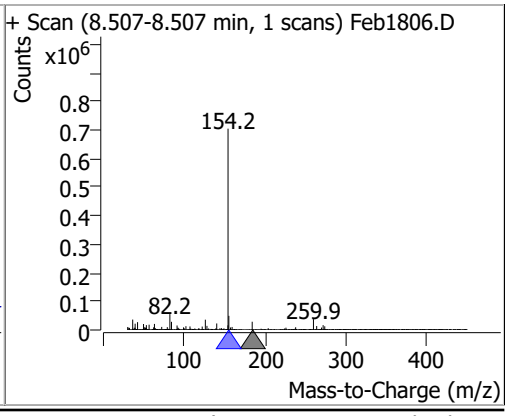




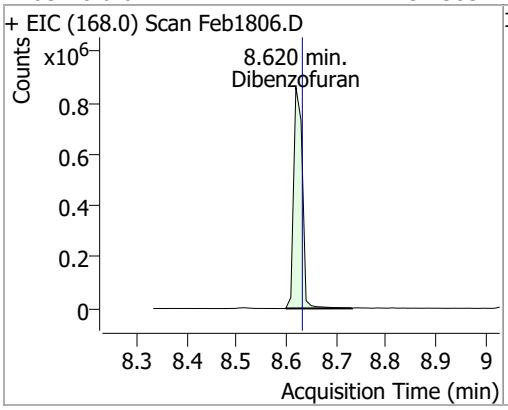
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	48.5159	8.51	-0.01	43823	154.0	60.9	43.9	81.5

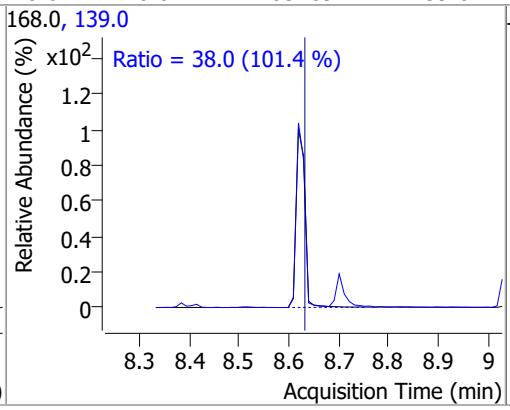


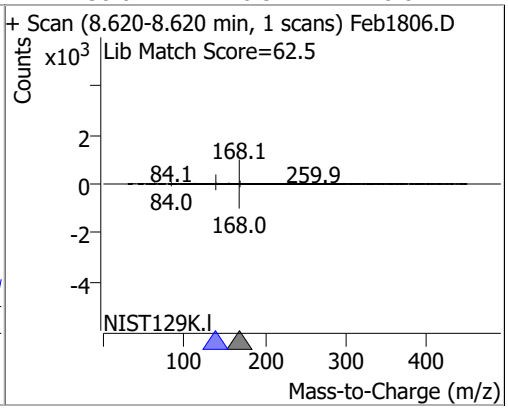




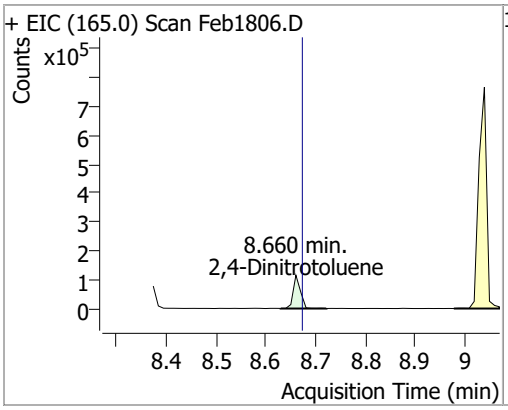
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	45.2583	8.62	-0.01	1034897	139.0	38.0	26.3	48.8

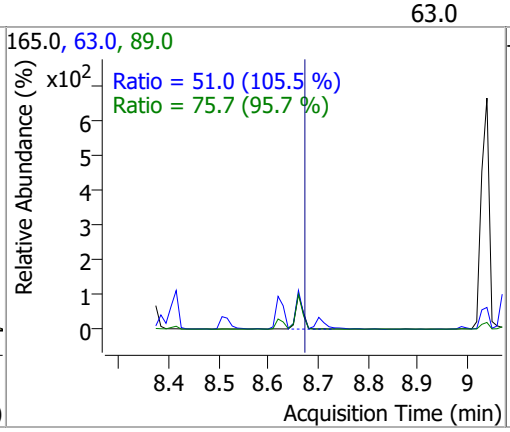


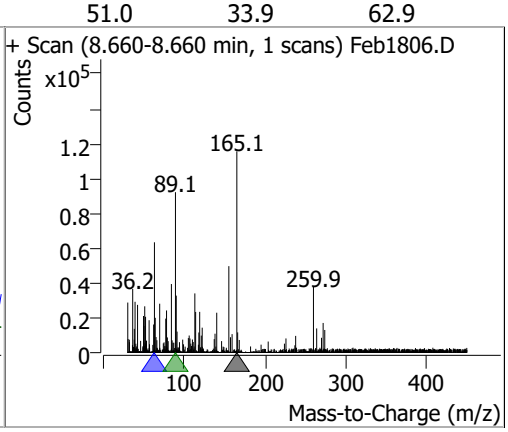




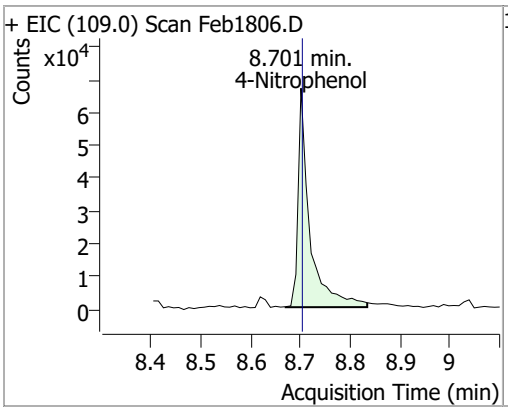
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	49.0233	8.66	-0.01	115884	89.0	75.7	55.4	102.9
					63.0	51.0	33.9	62.9

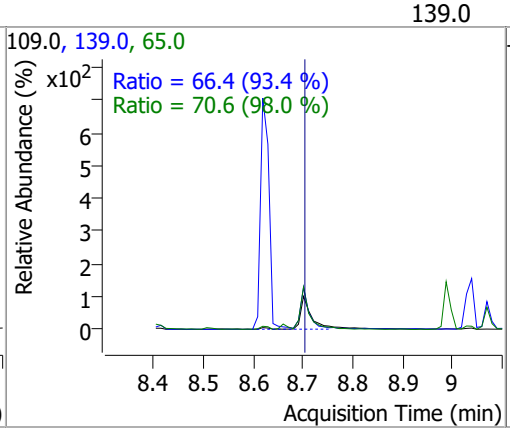


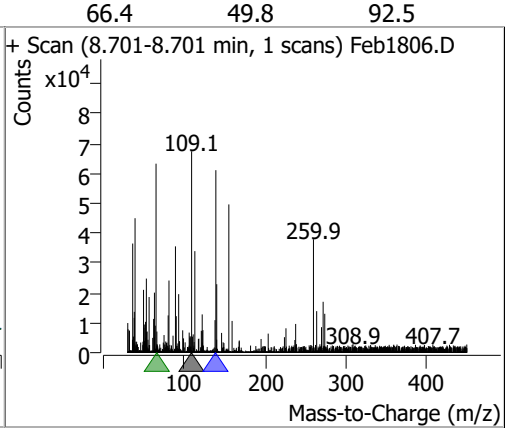




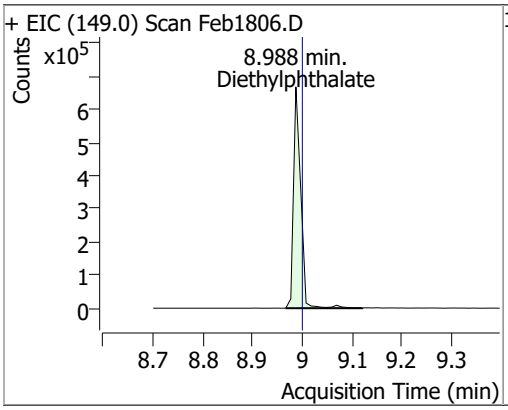
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	46.2243	8.70	0.00	108704	65.0	70.6	50.4	93.6
					139.0	66.4	49.8	92.5

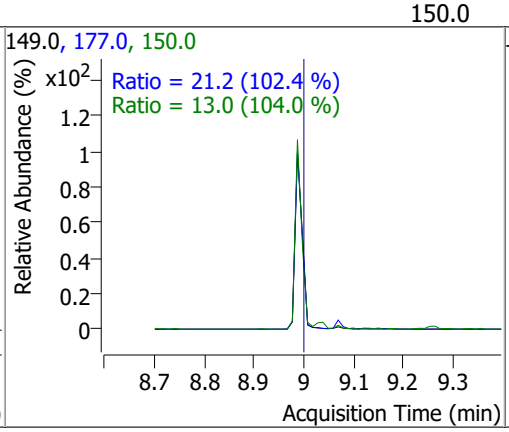


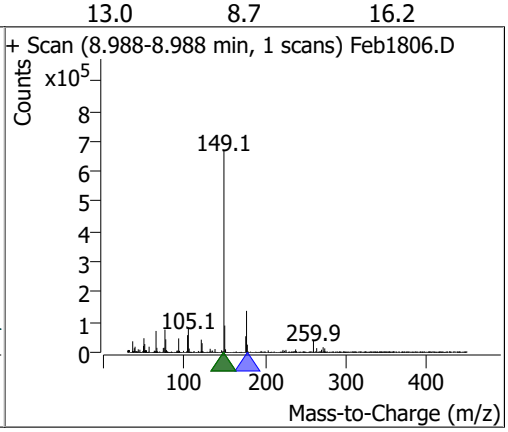




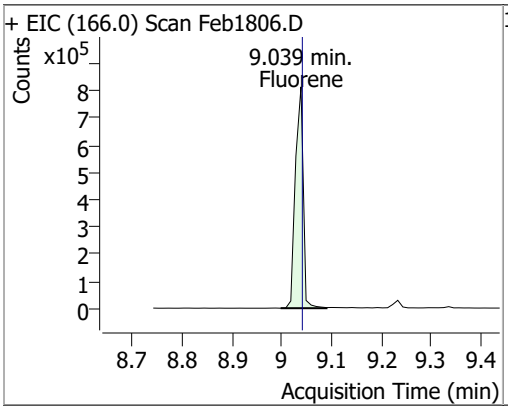
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	46.1993	8.99	-0.01	670192	177.0	21.2	14.5	27.0
					150.0	13.0	8.7	16.2

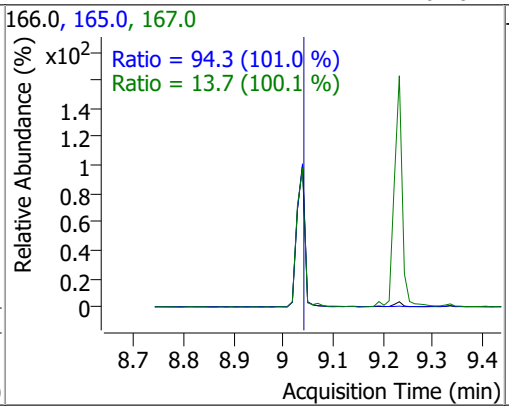


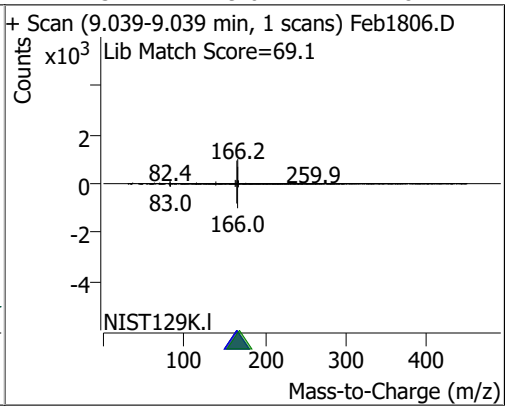




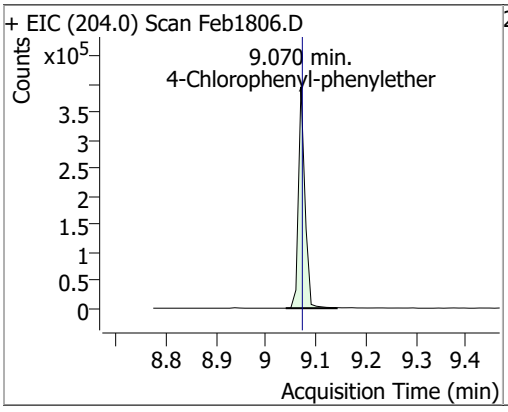
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	49.9319	9.04	0.00	891630	165.0	94.3	65.4	121.4
					167.0	13.7	9.6	17.8

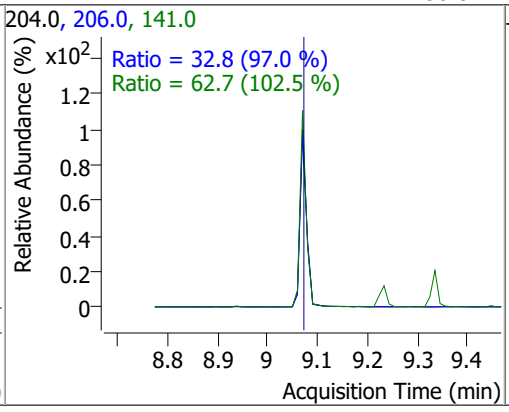


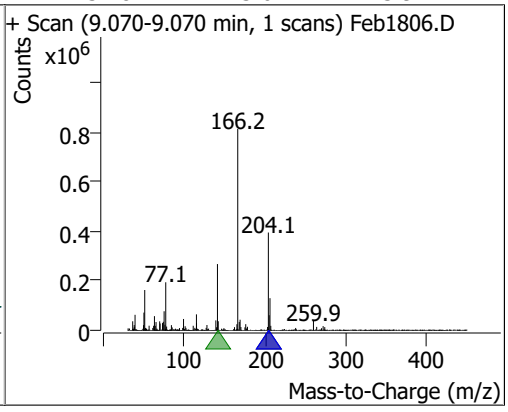




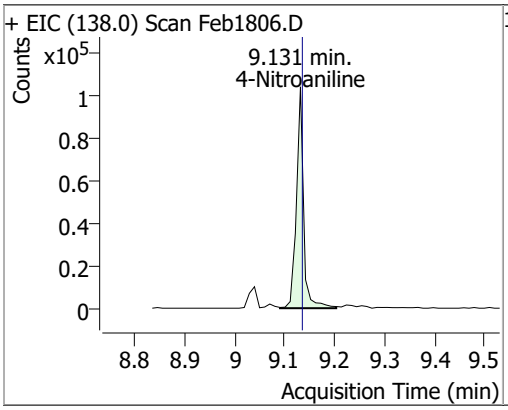
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	46.2307	9.07	0.00	359843	141.0	62.7	42.8	79.6
					206.0	32.8	23.6	43.9

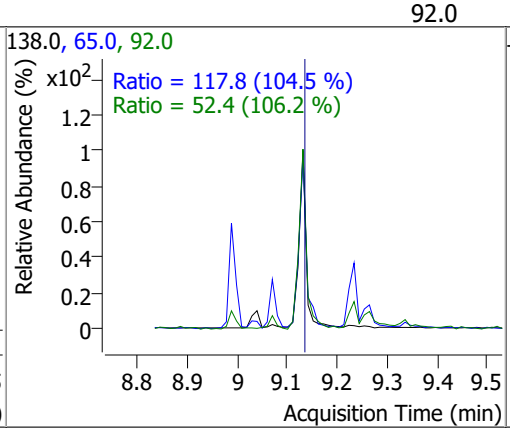


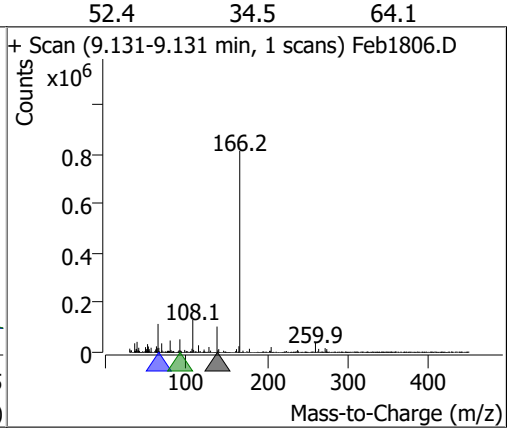




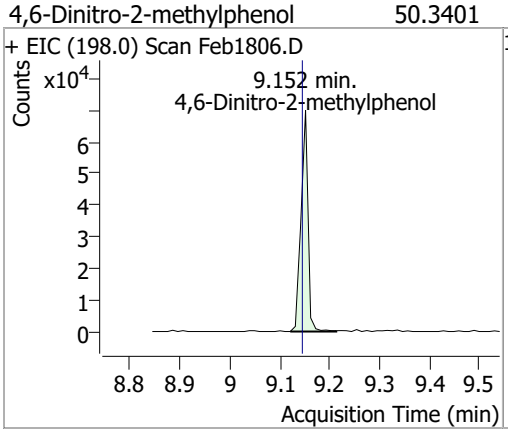
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	44.9787	9.13	-0.01	103404	65.0	117.8	78.9	146.6
					92.0	52.4	34.5	64.1

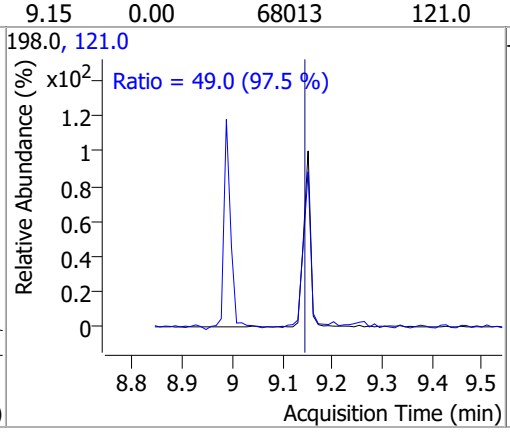


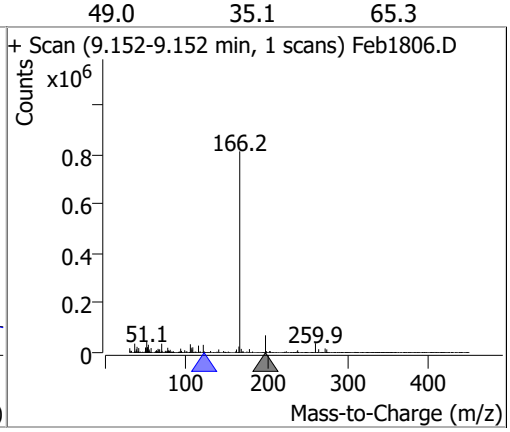




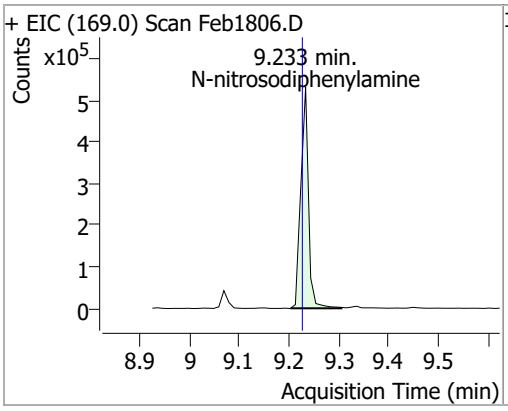
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	50.3401	9.15	0.00	68013	121.0	49.0	35.1	65.3

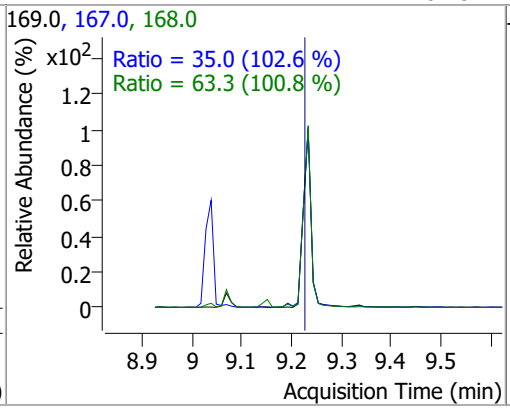


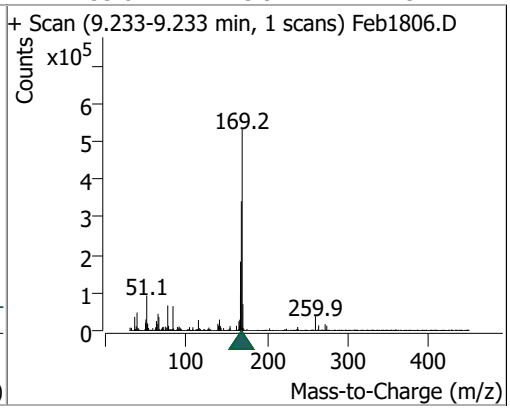




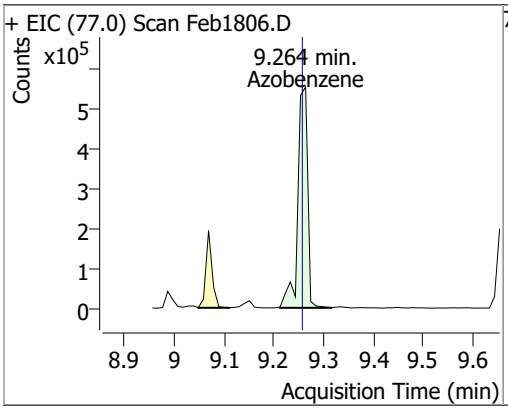
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	49.7597	9.23	0.00	563505	168.0	63.3	44.0	81.7
					167.0	35.0	23.9	44.3

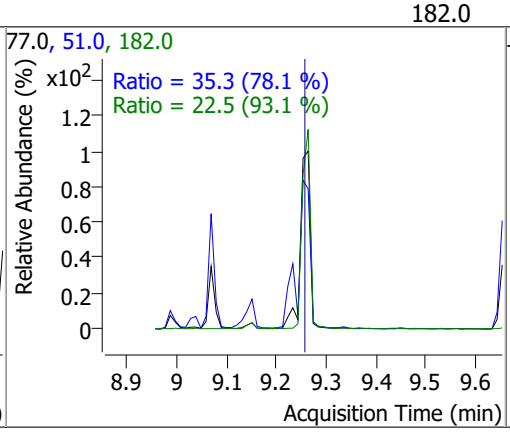


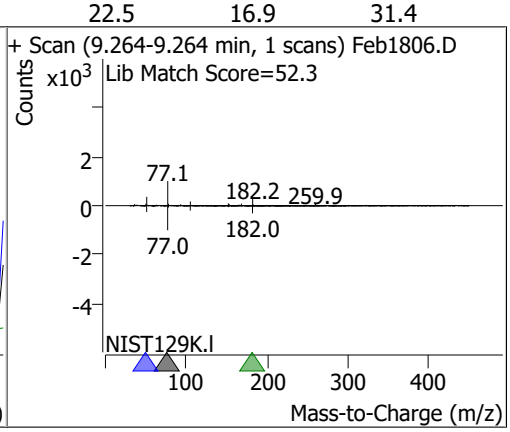




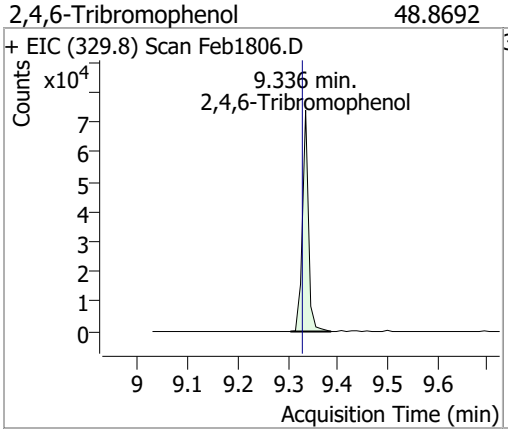
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	52.2283	9.26	0.00	757604	51.0	35.3	31.6	58.7
					182.0	22.5	16.9	31.4

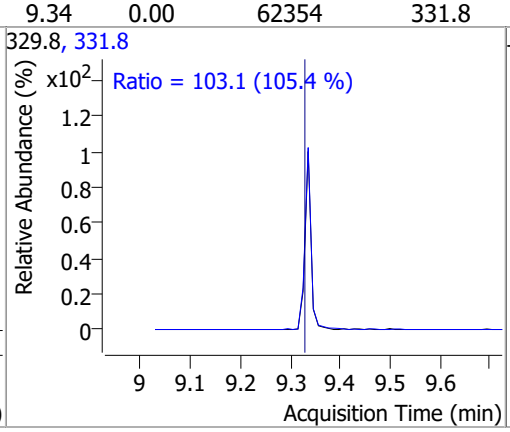


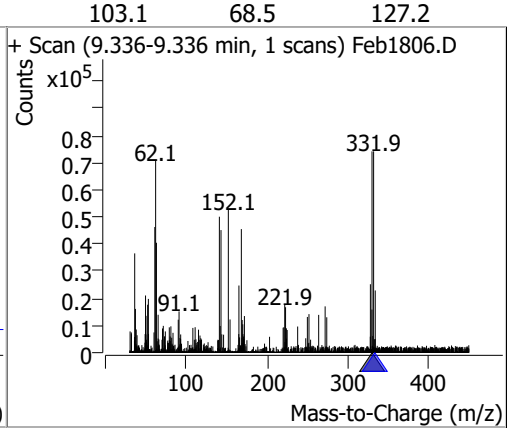




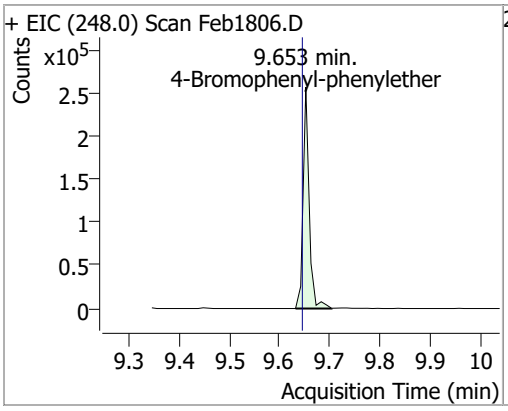
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	48.8692	9.34	0.00	62354	331.8	103.1	68.5	127.2

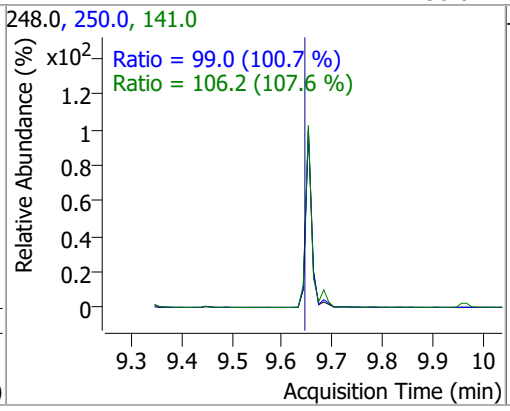


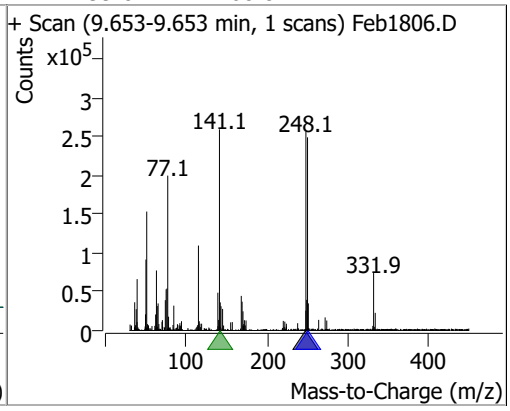




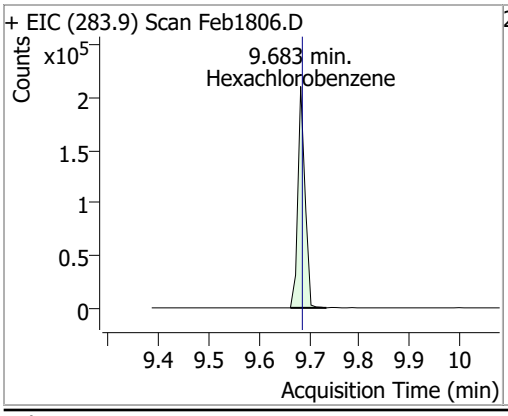
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	52.1333	9.65	0.00	215173	141.0	106.2	69.1	128.4
					250.0	99.0	68.8	127.7

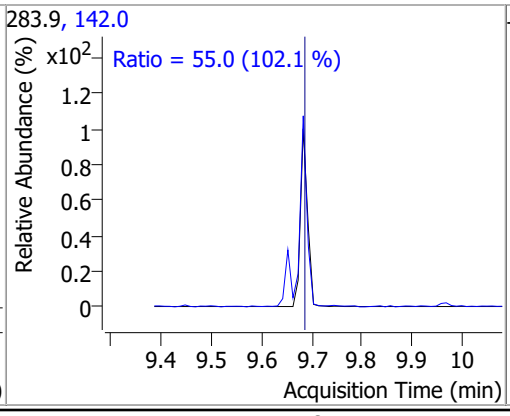


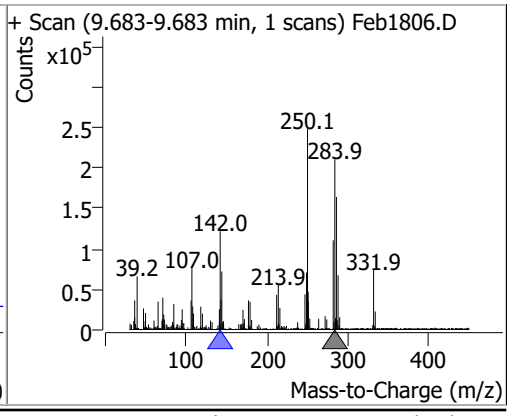




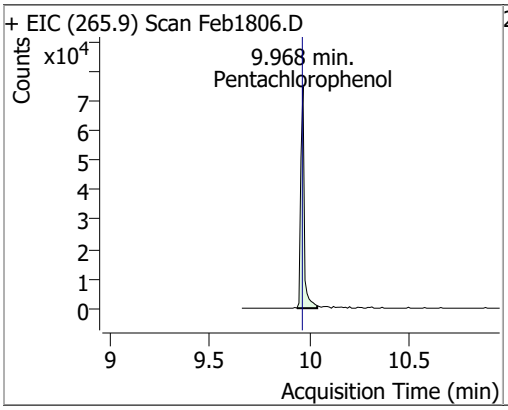
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	47.2633	9.68	-0.01	208046	142.0	55.0	37.7	70.0

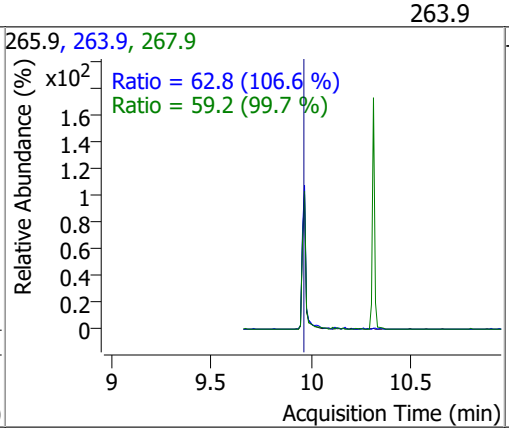


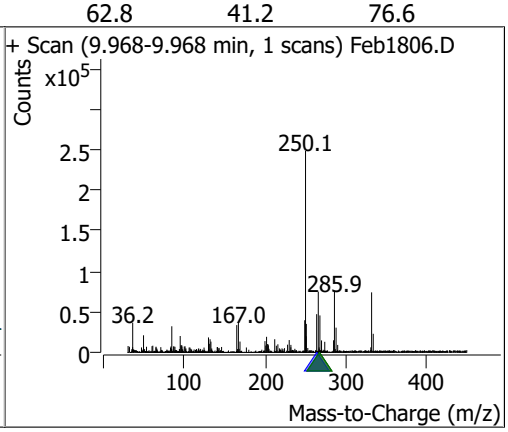




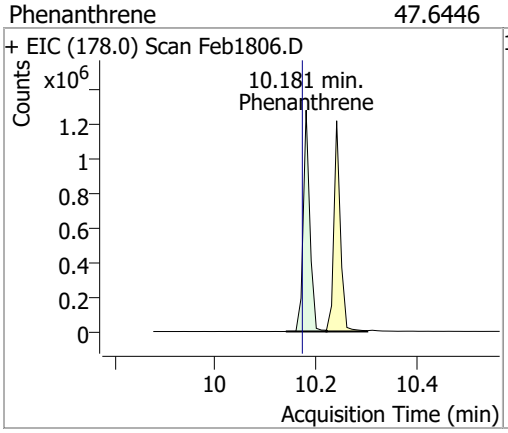
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	49.5070	9.97	0.00	91759	267.9	59.2	41.5	77.2
					263.9	62.8	41.2	76.6

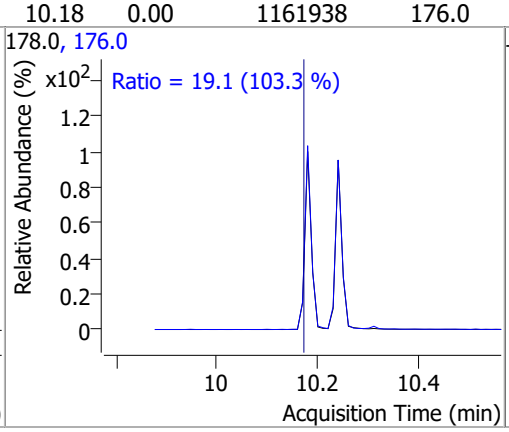


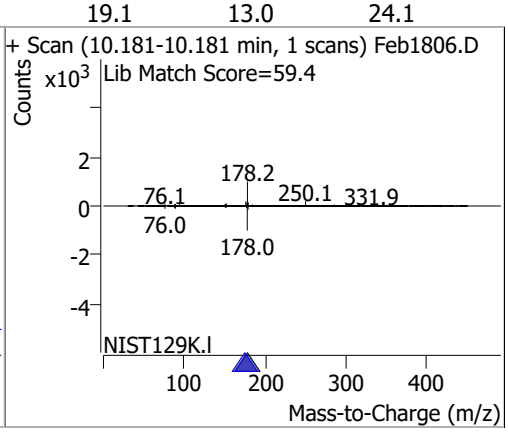




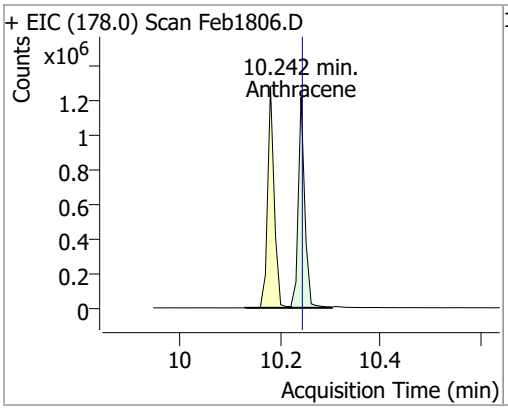
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	47.6446	10.18	0.00	1161938	176.0	19.1	13.0	24.1

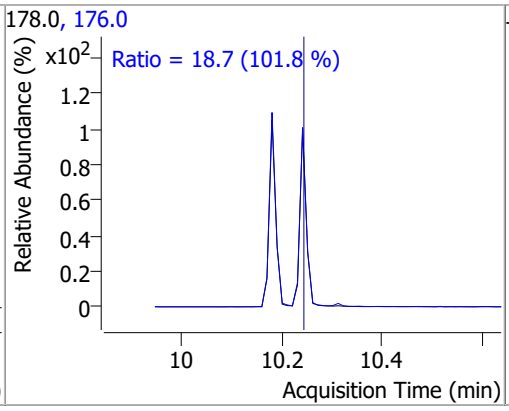


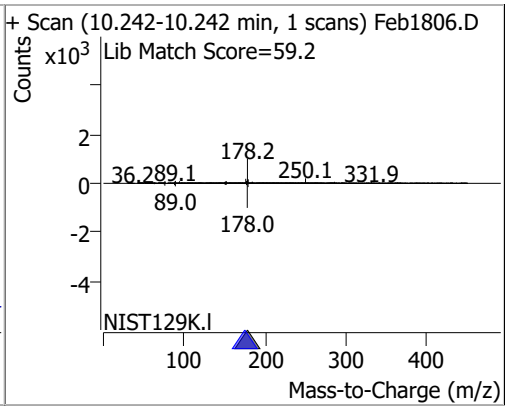




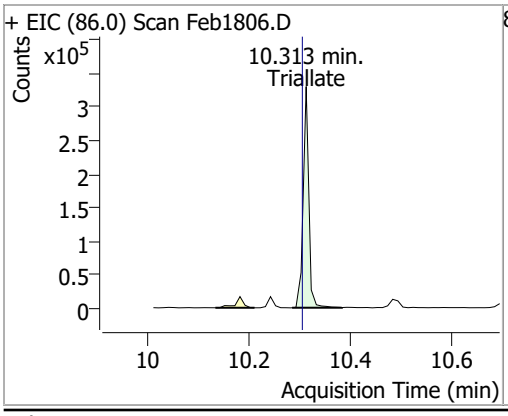
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	48.8025	10.24	-0.01	1092607	176.0	18.7	12.9	23.9

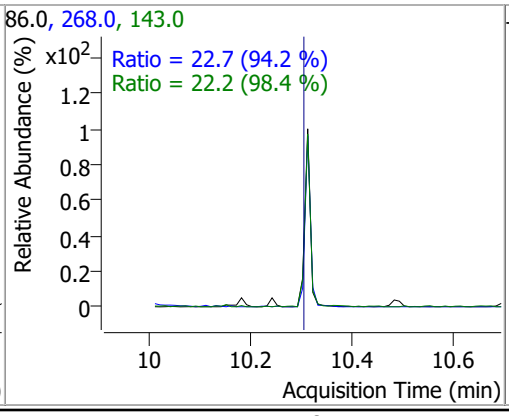


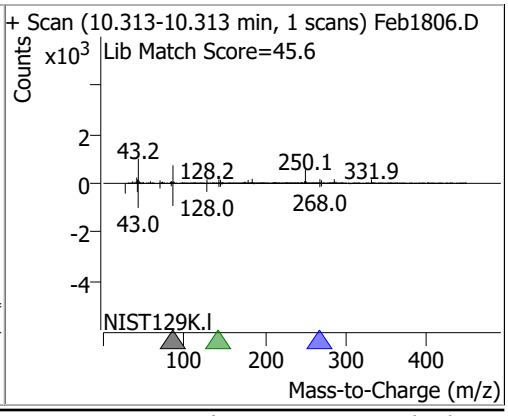




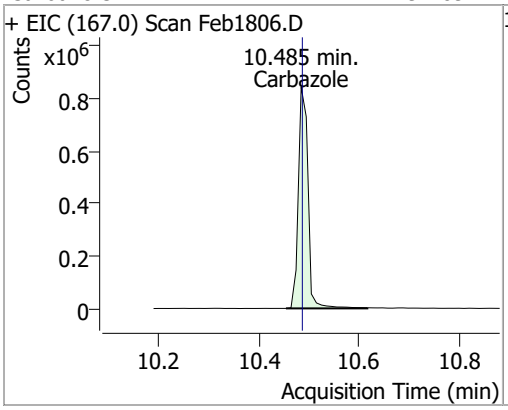
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	50.6533	10.31	0.00	255426	268.0	22.7	16.9	31.4
					143.0	22.2	15.8	29.3

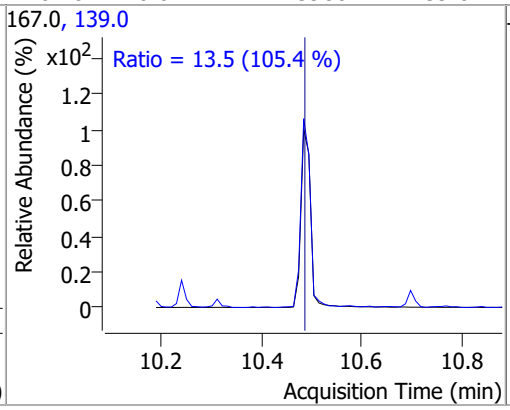


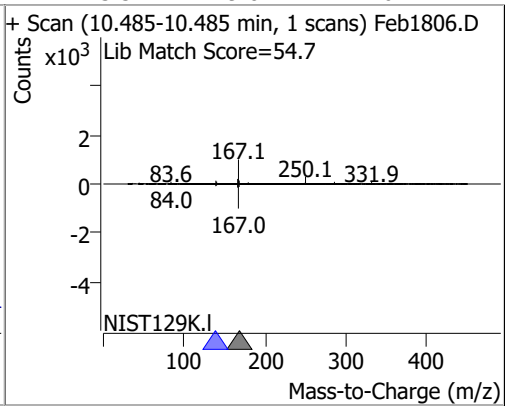




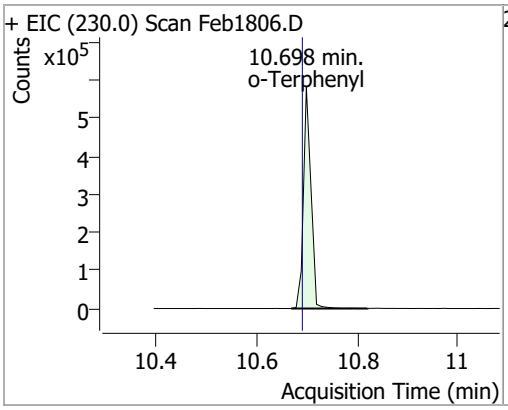
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	49.7097	10.48	-0.01	1123980	139.0	13.5	9.0	16.7

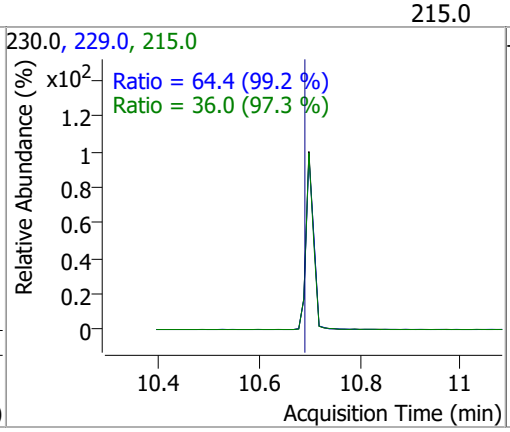


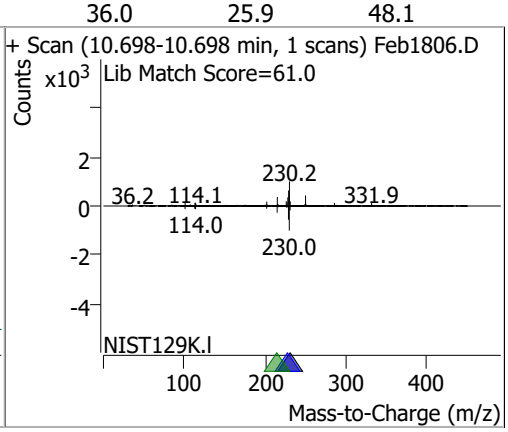




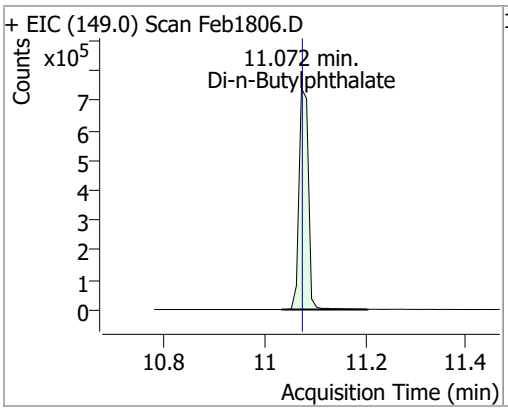
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	47.9400	10.70	0.00	609529	229.0	64.4	45.4	84.3
					215.0	36.0	25.9	48.1

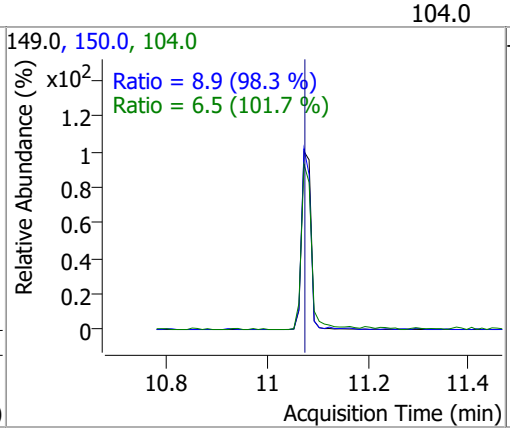


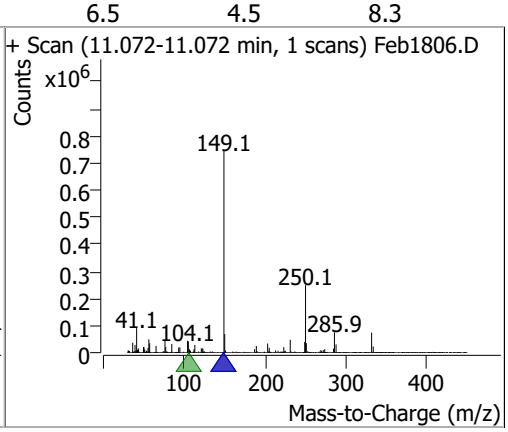




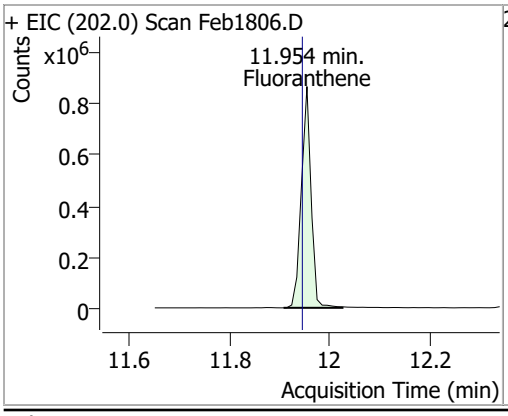
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	48.9894	11.07	-0.01	970759	150.0	8.9	6.3	11.8
					104.0	6.5	4.5	8.3

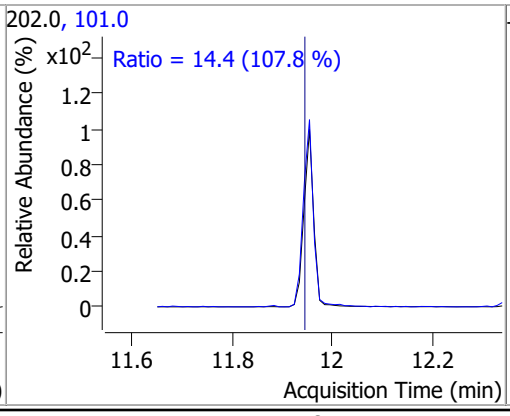


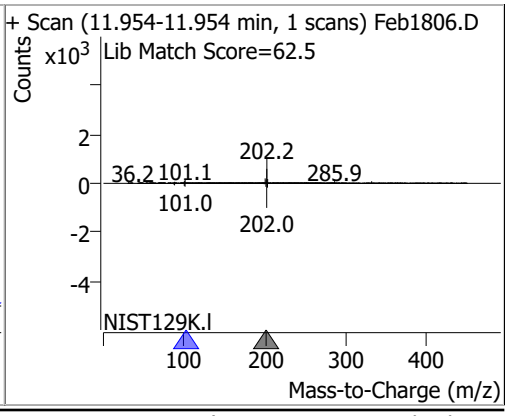




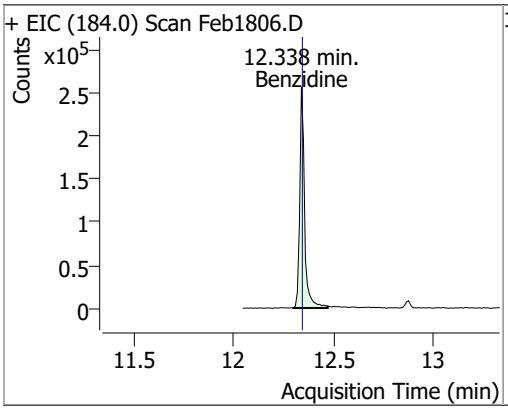
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	49.4749	11.95	0.00	1175583	101.0	14.4	9.4	17.4

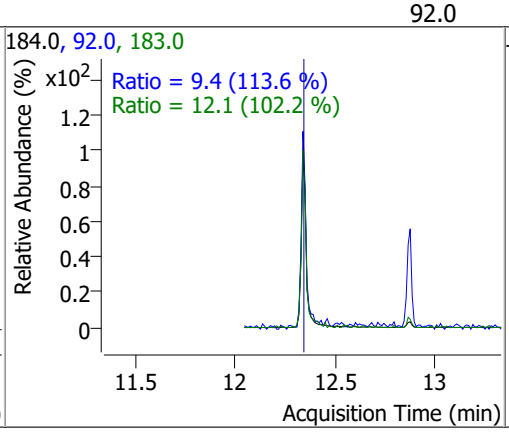


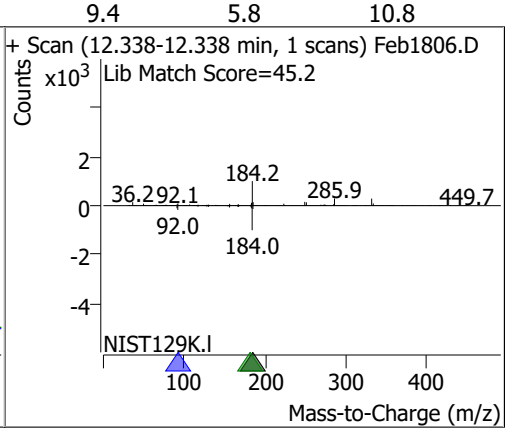




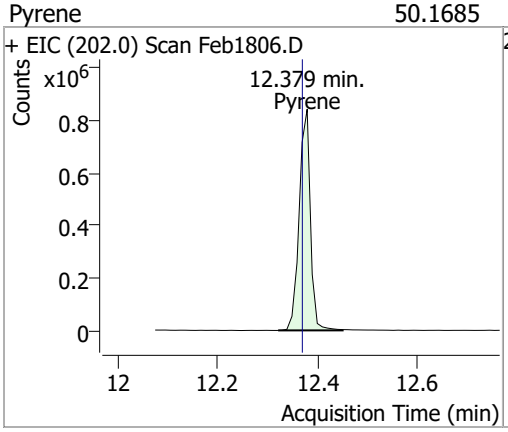
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	49.7161	12.34	-0.01	430095	183.0	12.1	8.3	15.4
					92.0	9.4	5.8	10.8

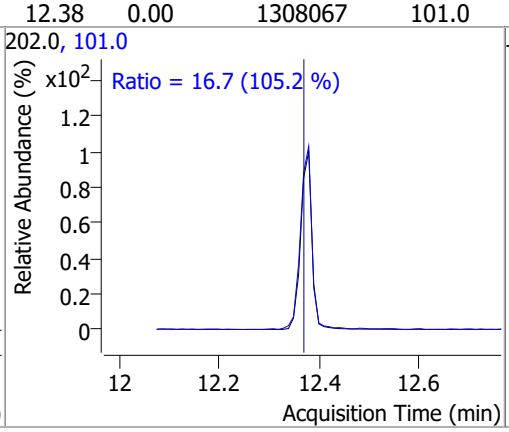


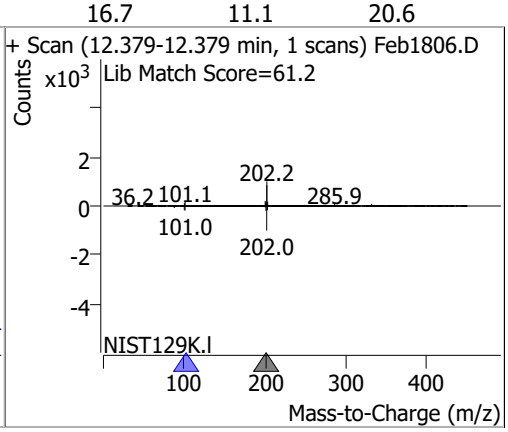




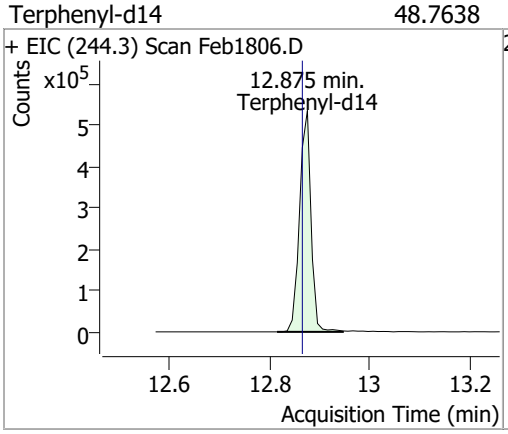
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	50.1685	12.38	0.00	1308067	101.0	16.7	11.1	20.6

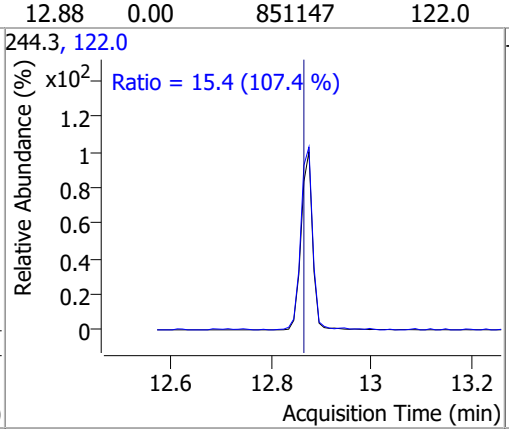


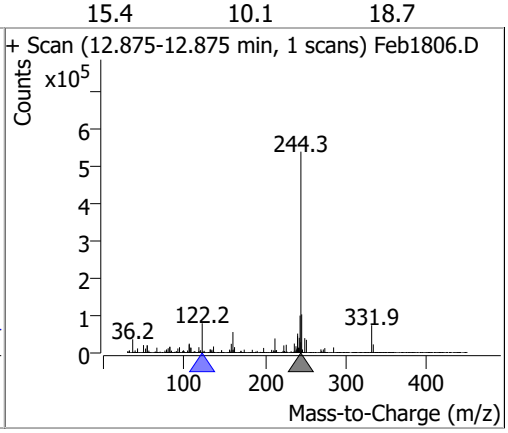




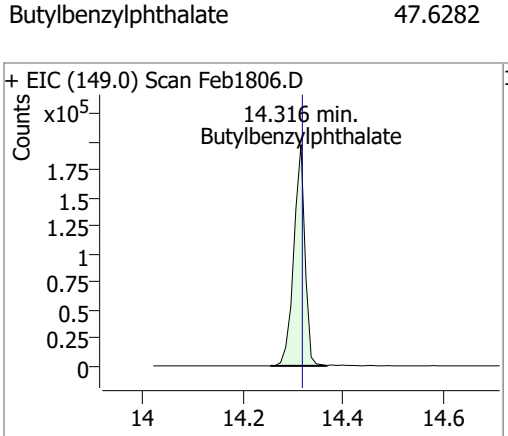
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	48.7638	12.88	0.00	851147	122.0	15.4	10.1	18.7

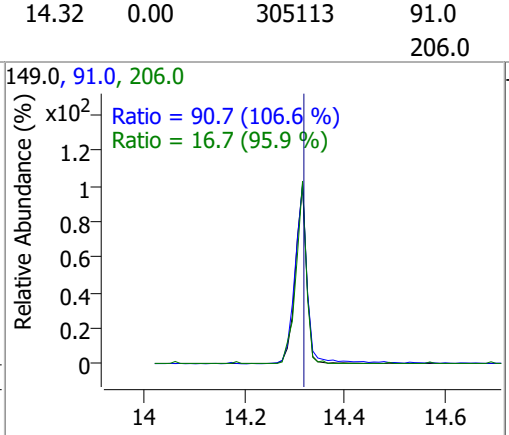


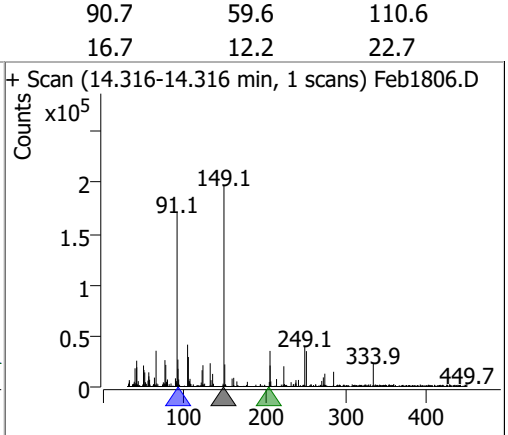




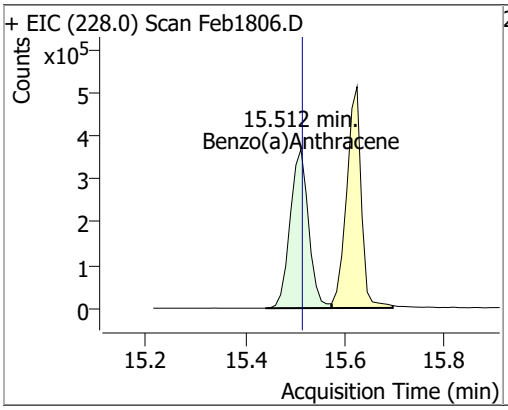
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	47.6282	14.32	0.00	305113	91.0	90.7	59.6	110.6
					206.0	16.7	12.2	22.7

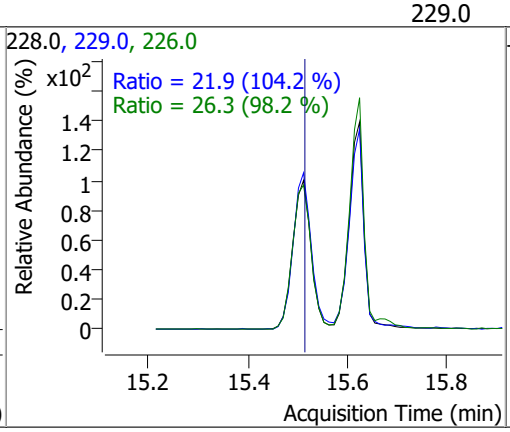


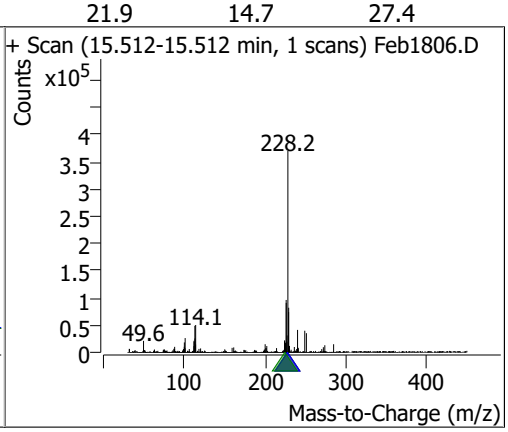




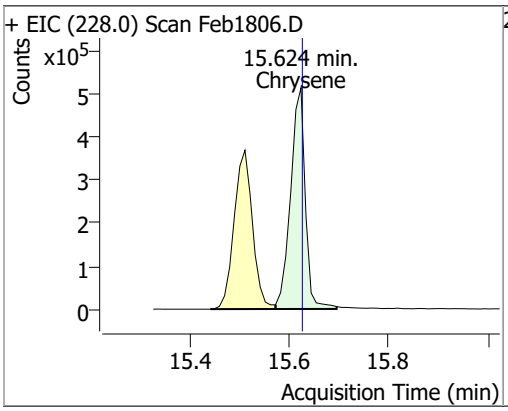
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	49.7470	15.51	0.00	944328	226.0	26.3	18.8	34.9
					229.0	21.9	14.7	27.4

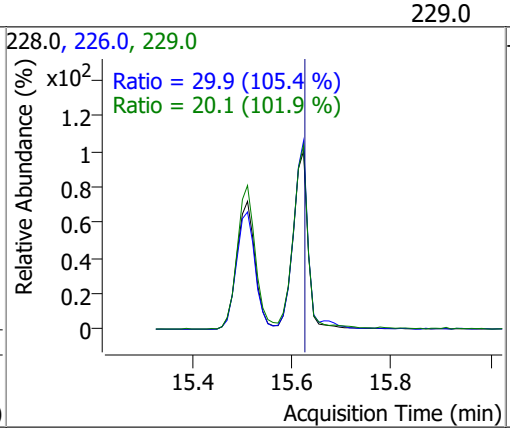


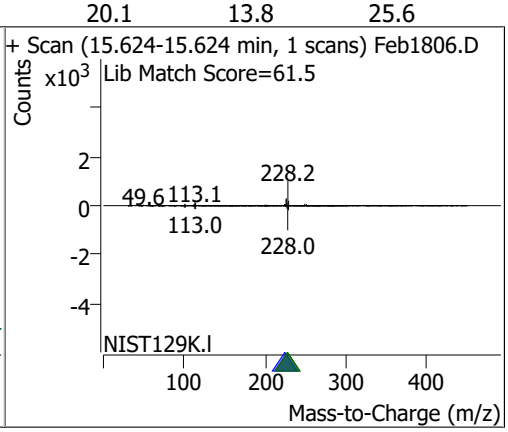




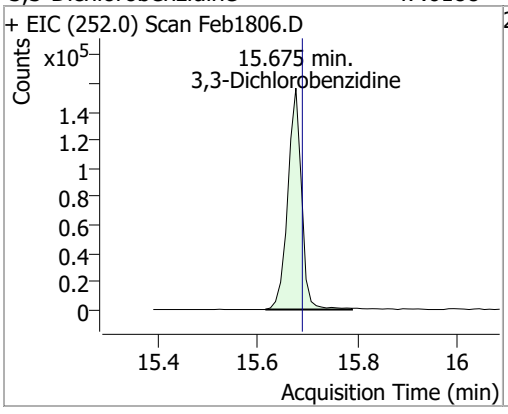
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	48.6971	15.62	0.00	1050170	226.0	29.9	19.9	36.9
					229.0	20.1	13.8	25.6

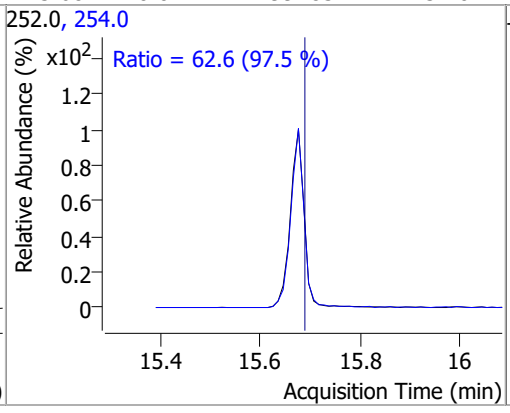


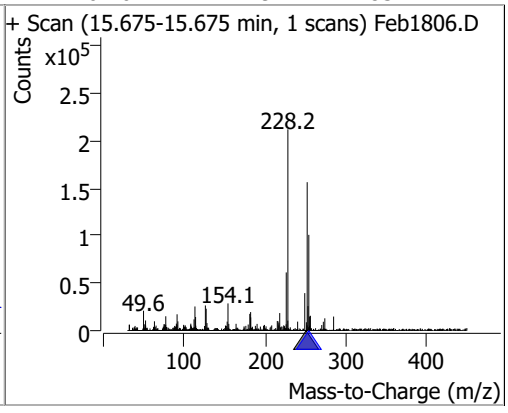




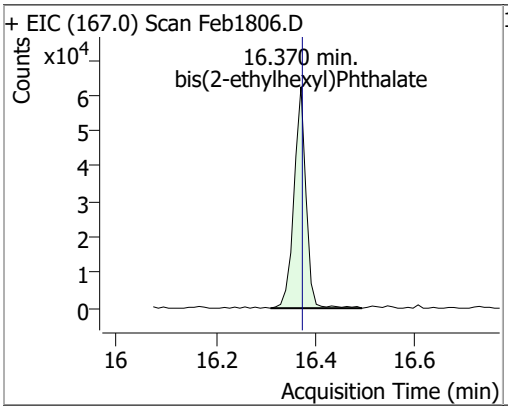
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	47.6188	15.68	-0.01	299783	254.0	62.6	44.9	83.4

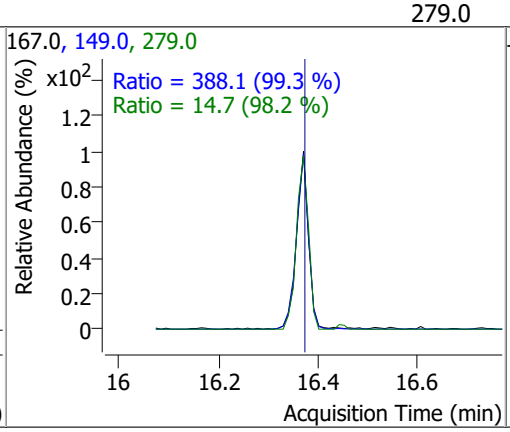


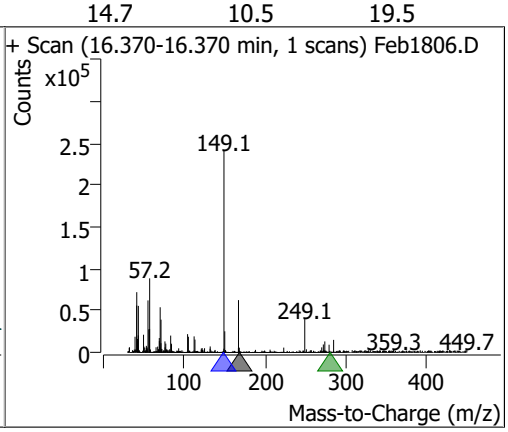




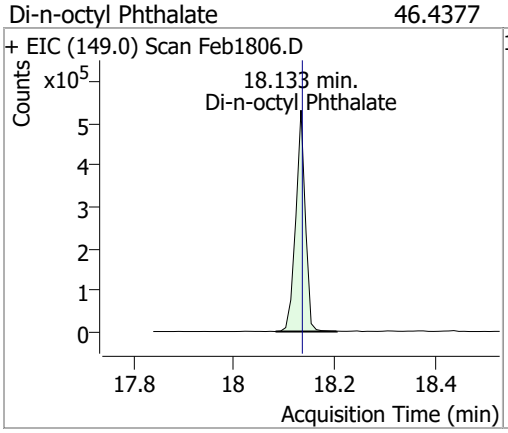
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	47.6952	16.37	0.00	104536	149.0	388.1	273.6	508.0
					279.0	14.7	10.5	19.5

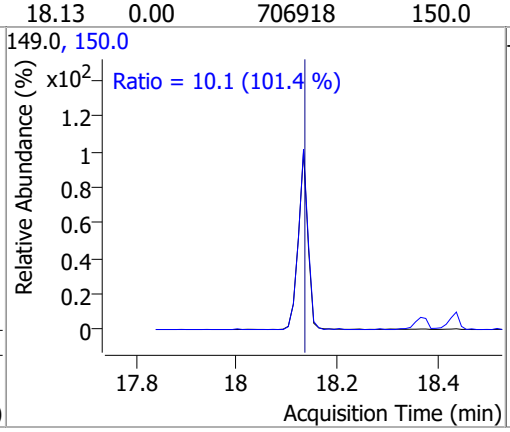


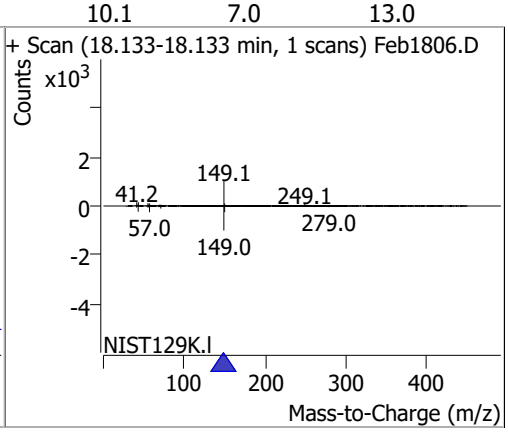




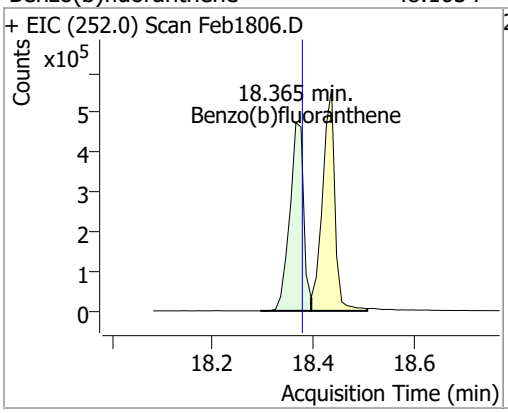
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	46.4377	18.13	0.00	706918	150.0	10.1	7.0	13.0

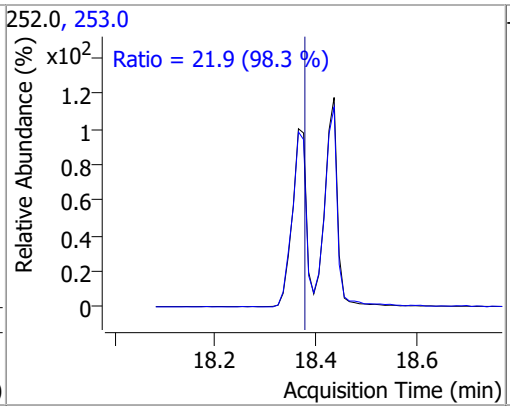


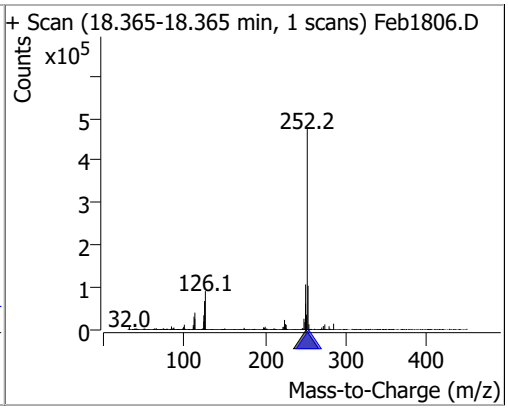




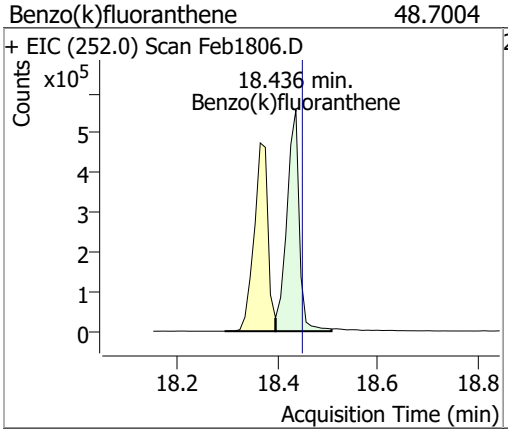
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	48.1054	18.37	-0.01	908237	253.0	21.9	15.6	29.0

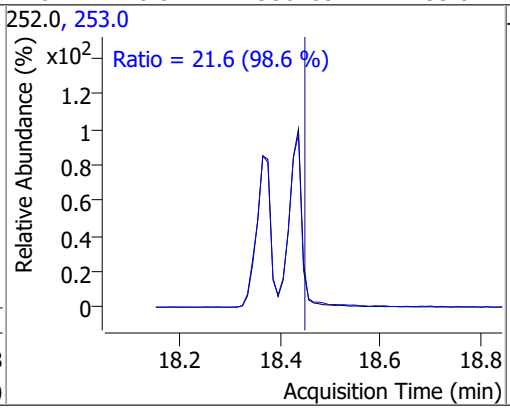


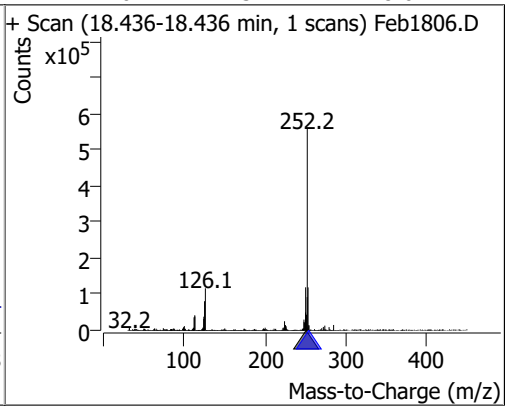




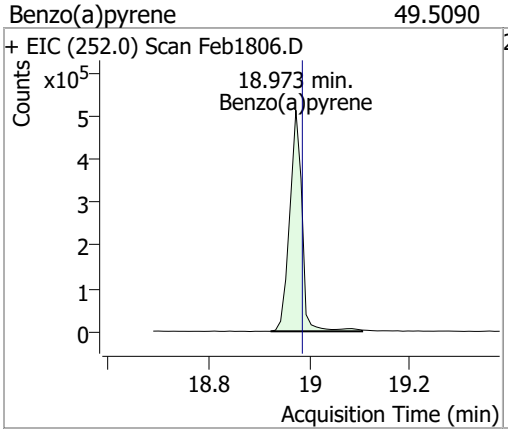
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	48.7004	18.44	-0.01	956185	253.0	21.6	15.4	28.6

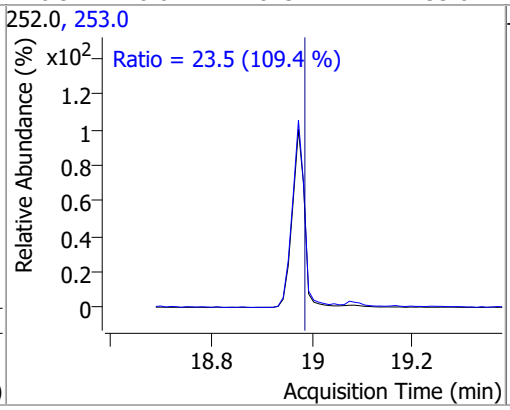


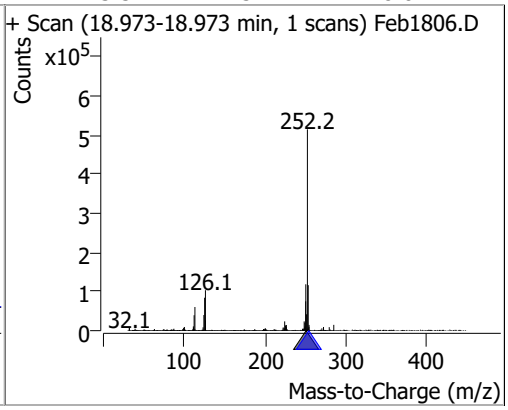




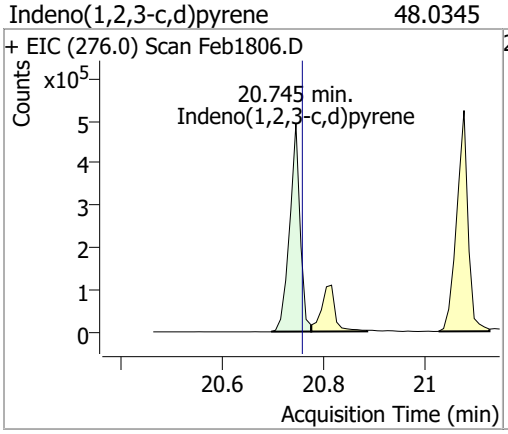
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	49.5090	18.97	-0.01	873144	253.0	23.5	15.1	28.0

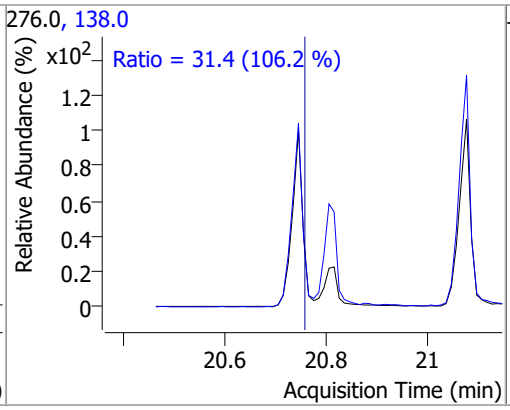


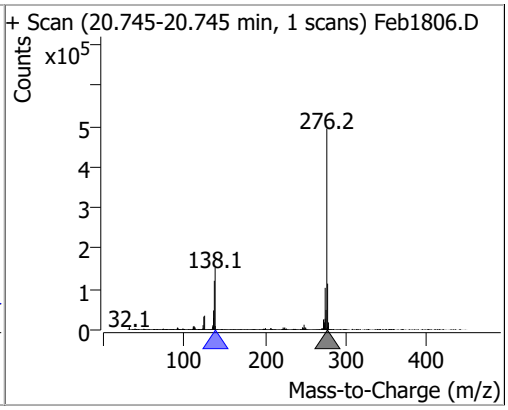




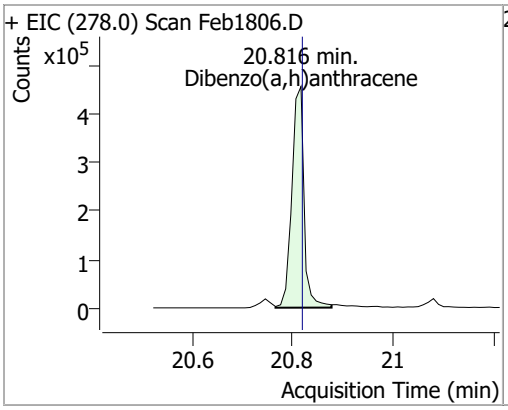
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	48.0345	20.75	-0.01	711904	138.0	31.4	20.7	38.5

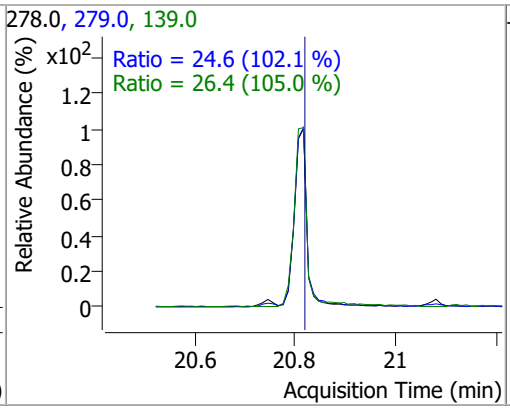


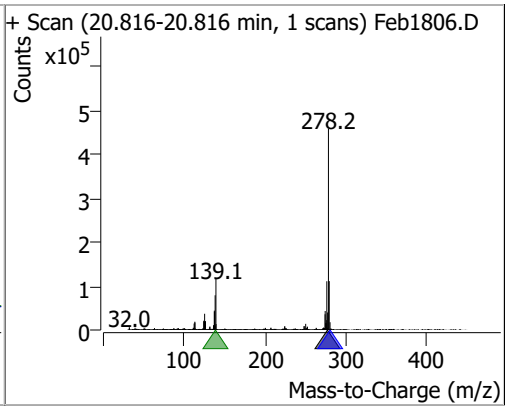




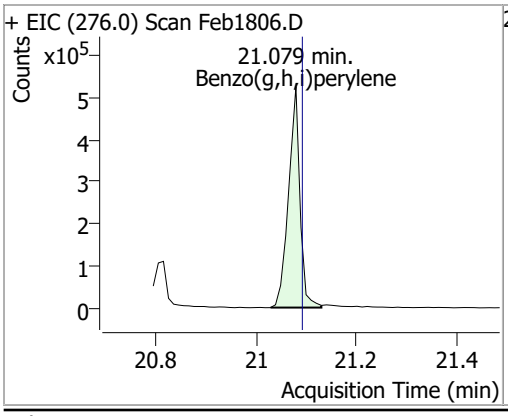
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	47.7678	20.82	0.00	767418	139.0	26.4	17.6	32.7
					279.0	24.6	16.9	31.3

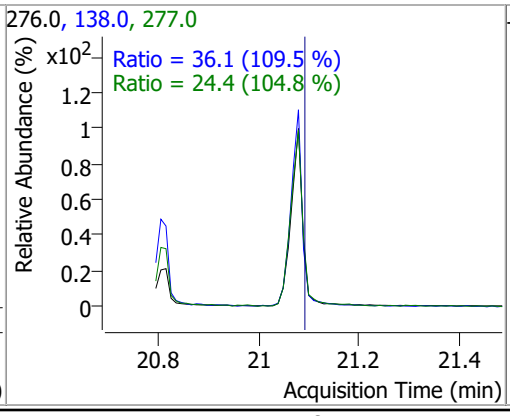


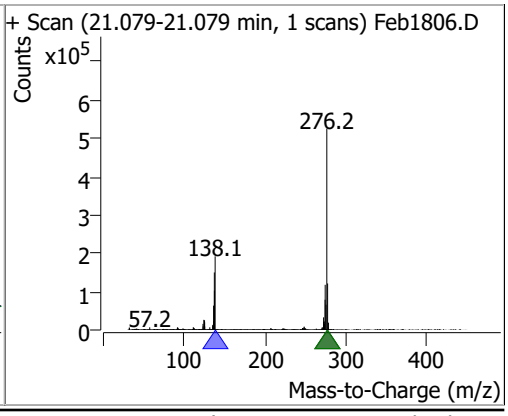




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	48.0870	21.08	-0.01	822853	138.0	36.1	23.1	42.9
					277.0	24.4	16.3	30.2

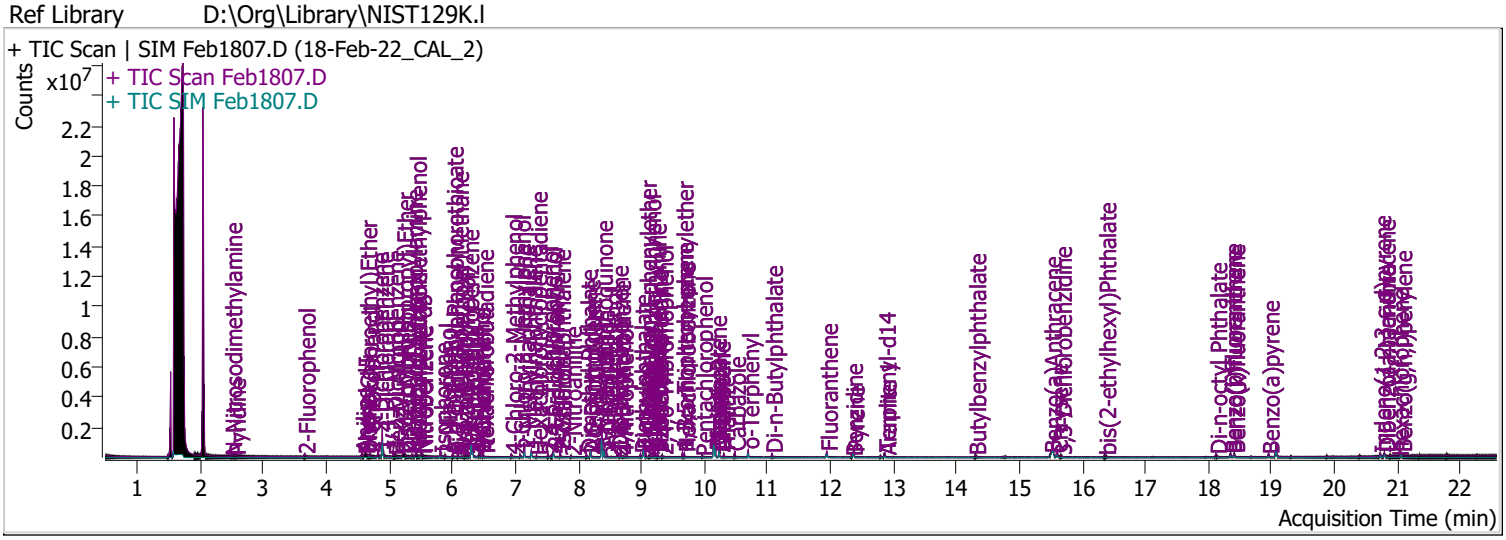






Quantitation Results Report (QT Reviewed)

Data File	Feb1807.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 11:15:42 AM
Sample Name	18-Feb-22_CAL_2	Instrument	Instrument #1
Vial	7	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



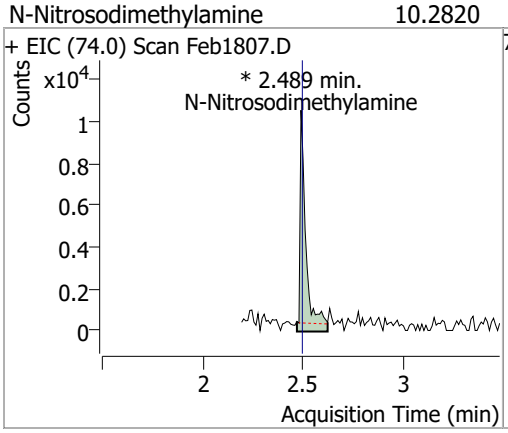
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	61315	9.0226	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 4.51%		*	
S Phenol-d5	4.603	99.0	82773	9.4500	µg/L	m	-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 4.72%		*	
S Nitrobenzene-d5	5.502	82.0	45452	9.4140	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 9.41%		*	
S 2-Fluorobiphenyl	7.605	172.0	160369	9.8948	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 9.89%		*	
S 2,4,6-Tribromophenol	9.336	329.8	8236	9.0676	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 4.53%		*	
S Terphenyl-d14	12.865	244.3	148383	9.6223	µg/L		-0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 9.62%		*	
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.489	74.0	22053	10.2820	µg/L	m	92
T Pyridine	2.550	79.0	45229	8.5845	µg/L		99
T Aniline	4.562	93.0	117703	9.2848	µg/L		93
T Phenol	4.624	94.0	90632	9.4951	µg/L		84
T bis(-2-Chloroethyl)Ether	4.634	63.0	64413	9.5586	µg/L		99
T 2-Chlorophenol	4.685	128.0	75438	9.5978	µg/L		93
T 1,3-Dichlorobenzene	4.818	146.0	113425	9.6983	µg/L		95
T 1,4-Dichlorobenzene	4.910	146.0	113963	9.4369	µg/L		98
T 1,2-Dichlorobenzene	5.063	146.0	110443	9.8457	µg/L	m	97
T Benzyl Alcohol	5.083	108.0	31154	9.2253	µg/L	m	84
T bis(2-chloroisopropyl)Ether	5.216	121.0	26761	9.4881	µg/L		93
T 2-Methylphenol	5.236	107.0	67039	9.5156	µg/L		95
T N-nitroso-Di-n-propylamine	5.359	70.0	40378	9.3374	µg/L		97
T 4Methylphenol/3Methylphenol	5.420	107.0	88244	8.9706	µg/L		97
T Hexachloroethane	5.420	117.0	30122	9.6553	µg/L		94

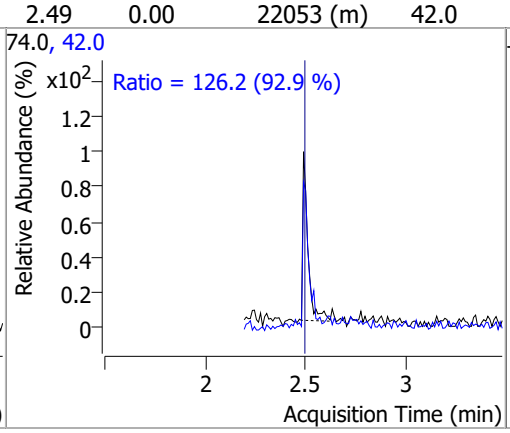
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.522	123.1	18080	8.2519	µg/L		76
T Isophorone	5.808	82.0	97277	8.9357	µg/L		94
T 2-Nitrophenol	5.880	139.0	19297	8.9839	µg/L		92
T 2,4-Dimethylphenol	6.003	122.0	52824	9.0655	µg/L		98
T bis(-2-Chloroethoxy)Methane	6.085	93.0	59939	9.3842	µg/L		94
T 2,4-Dichlorophenol	6.188	162.0	47605	9.4074	µg/L		97
T Benzoic Acid	6.147	105.0	18665	8.4117	µg/L	m	82
T 1,2,4-Trichlorobenzene	6.249	180.0	69022	9.7020	µg/L		98
T Naphthalene	6.321	128.0	215374	9.6379	µg/L		97
T 4-Chlorophenol	6.414	130.0	23297	10.2898	µg/L		88
T p-Chloroaniline	6.434	127.0	71033	9.0638	µg/L		95
T Hexachlorobutadiene	6.485	224.9	33554	9.5879	µg/L		98
T 4-Chloro-2-Methylphenol	6.937	107.0	51791	9.6988	µg/L	m	86
T 4-Chloro-3-Methylphenol	7.071	107.0	51113	9.1080	µg/L	m	96
T 2-Methylnaphthalene	7.143	141.0	129837	10.4339	µg/L	m	97
T 1-Methylnaphthalene	7.256	141.0	126738	10.2310	µg/L	m	98
T Hexachlorocyclopentadiene	7.338	236.9	13837	8.7963	µg/L		91
T 2,4,6-Trichlorophenol	7.512	196.0	27041	9.0500	µg/L		99
T 2,4,5-Trichlorophenol	7.574	196.0	33223	8.9583	µg/L		87
T 2-Chloronaphthalene	7.708	162.0	133308	10.0555	µg/L		97
T 2-Nitroaniline	7.882	65.0	14804	8.3822	µg/L		85
T Dimethyl Phthalate	8.129	163.0	85510	8.5312	µg/L		90
T 2,6-Dinitrotoluene	8.180	165.0	13053	9.0242	µg/L		80
T Acenaphthylene	8.200	152.1	194369	9.5403	µg/L		92
T 3-Nitroaniline	8.384	138.0	12737	8.7217	µg/L		75
T Acenaphthene	8.405	154.0	125792	9.6812	µg/L		98
T 2,4-Dinitrophenol	8.517	184.0	3755	8.5763	µg/L		98
T Dibenzofuran	8.620	168.0	200815	9.4970	µg/L		99
T 2,4-Dinitrotoluene	8.661	165.0	14287	8.4581	µg/L		94
T 4-Nitrophenol	8.701	109.0	14966	9.4102	µg/L		86
T Diethylphthalate	8.988	149.0	84750	8.7379	µg/L		97
T Fluorene	9.029	166.0	167603	9.9106	µg/L		100
T 4-Chlorophenyl-phenylether	9.070	204.0	67338	9.9310	µg/L		97
T 4-Nitroaniline	9.121	138.0	13023	8.9648	µg/L		94
T 4,6-Dinitro-2-methylphenol	9.141	198.0	7435	9.0351	µg/L		83
T N-nitrosodiphenylamine	9.223	169.0	96753	9.6542	µg/L		92
T Azobenzene	9.254	77.0	90696	8.9089	µg/L		87
T 4-Bromophenyl-phenylether	9.653	248.0	33057	10.2442	µg/L		87
T Hexachlorobenzene	9.684	283.9	37231	9.7111	µg/L		97
T Pentachlorophenol	9.958	265.9	10893	9.1936	µg/L		90
T Phenanthrene	10.181	178.0	224346	9.8851	µg/L		100
T Anthracene	10.242	178.0	191750	9.6942	µg/L		100
T Triallate	10.313	86.0	31763	9.1129	µg/L		98
T Carbazole	10.485	167.0	199440	10.1180	µg/L		99
T o-Terphenyl	10.698	230.0	111061	9.6963	µg/L		99
T Di-n-Butylphthalate	11.072	149.0	102631	8.3322	µg/L		98
T Fluoranthene	11.943	202.0	220272	10.1778	µg/L		97
T Benzidine	12.338	184.0	65045	9.3957	µg/L	m	97
T Pyrene	12.369	202.0	240962	10.1636	µg/L		95
T Butylbenzylphthalate	14.296	149.0	40092	9.1160	µg/L	#	66
T Benzo(a)Anthracene	15.492	228.0	157876	9.3465	µg/L		96
T Chrysene	15.594	228.0	193047	9.7877	µg/L		97
T 3,3-Dichlorobenzidine	15.655	252.0	35676	8.7092	µg/L		95
T bis(2-ethylhexyl)Phthalate	16.360	167.0	15117	9.4865	µg/L	#	93
T Di-n-octyl Phthalate	18.123	149.0	98225	9.0329	µg/L		100

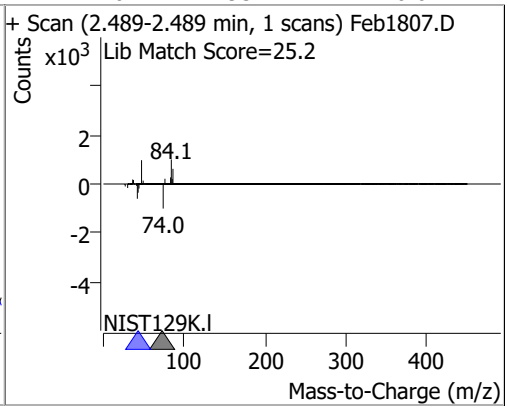
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(b)fluoranthene	18.355	252.0	146871	9.4383	µg/L		98
T Benzo(k)fluoranthene	18.406	252.0	156598	9.5815	µg/L		99
T Benzo(a)pyrene	18.953	252.0	122603	9.0742	µg/L		92
T Indeno(1,2,3-c,d)pyrene	20.725	276.0	105841	9.3155	µg/L	m	91
T Dibenzo(a,h)anthracene	20.796	278.0	114340	9.2034	µg/L		94
T Benzo(g,h,i)perylene	21.059	276.0	135480	9.4619	µg/L		98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

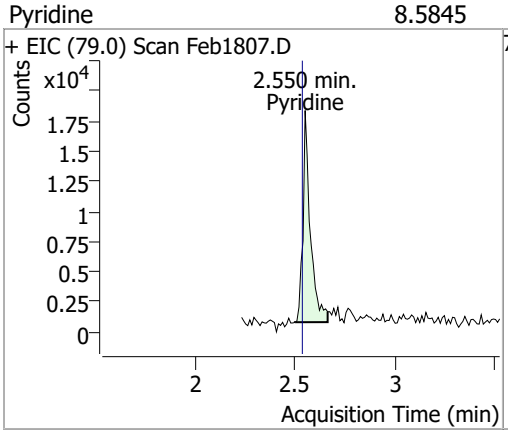
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	10.2820	2.49	0.00	22053 (m)	42.0	126.2	95.1	176.6

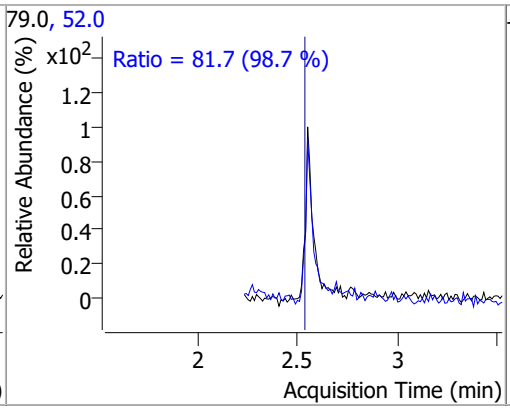


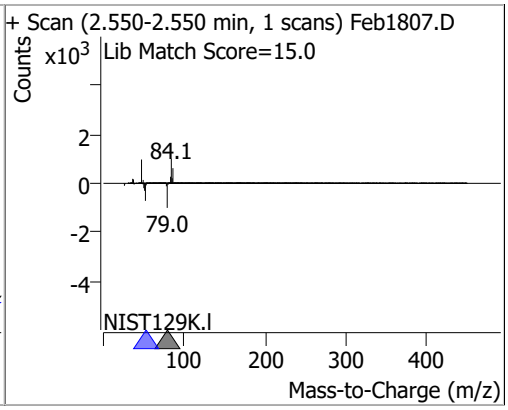




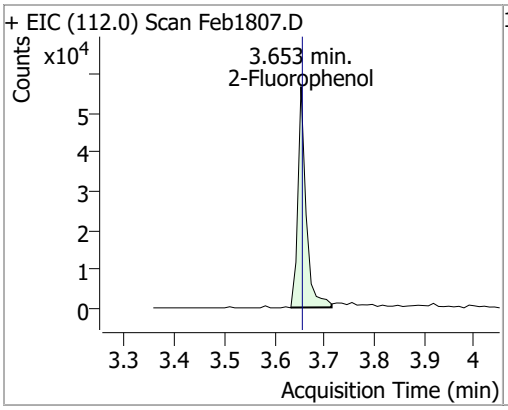
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	8.5845	2.55	0.02	45229	52.0	81.7	57.9	107.6

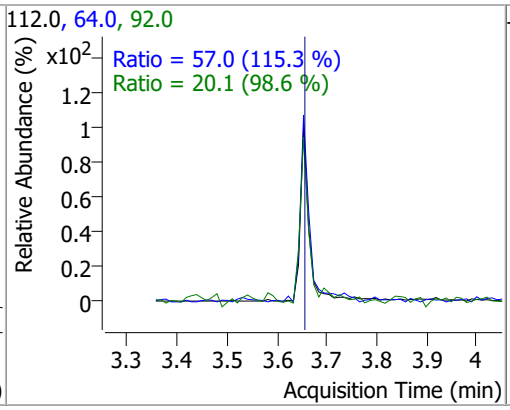


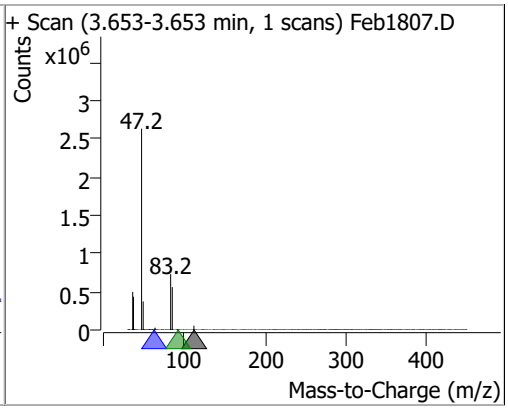




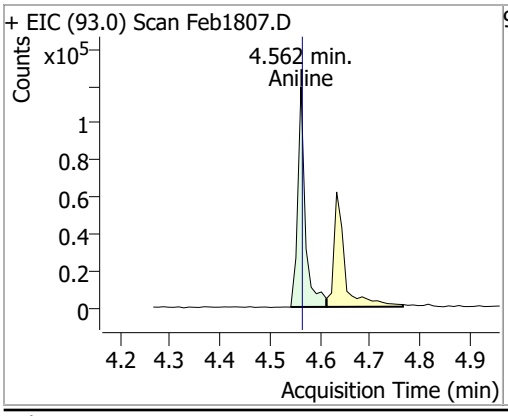
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	9.0226	3.65	0.00	61315	64.0	57.0	34.6	64.3
					92.0	20.1	14.2	26.5

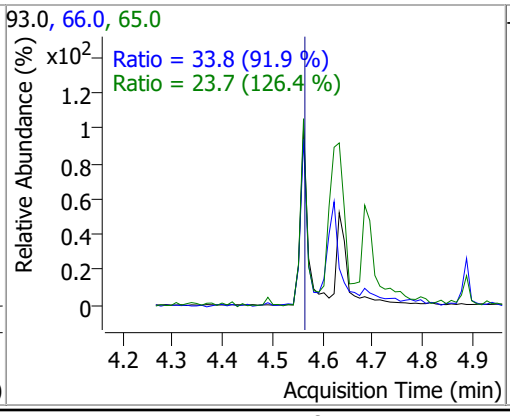


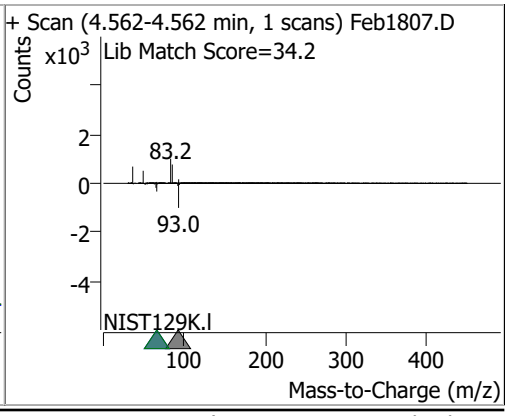




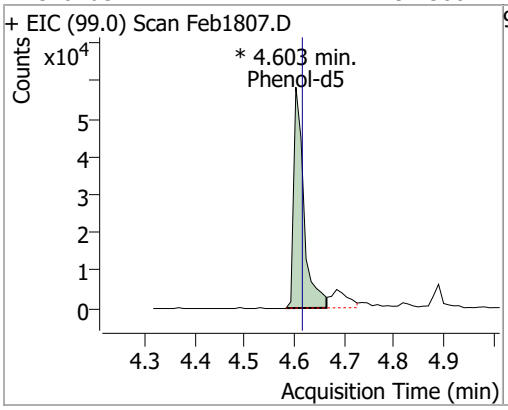
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	9.2848	4.56	0.00	117703	66.0	33.8	25.7	47.8
					65.0	23.7	13.1	24.4

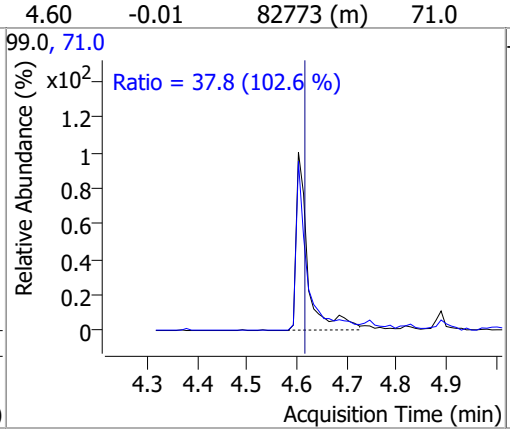


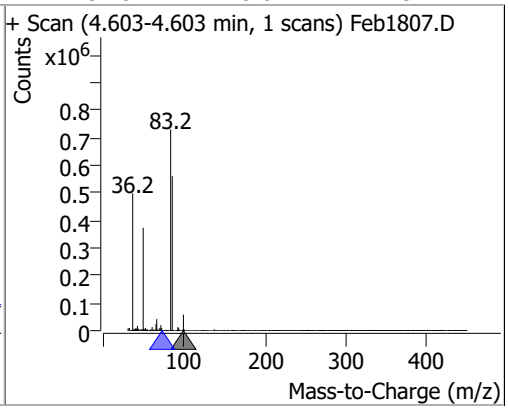




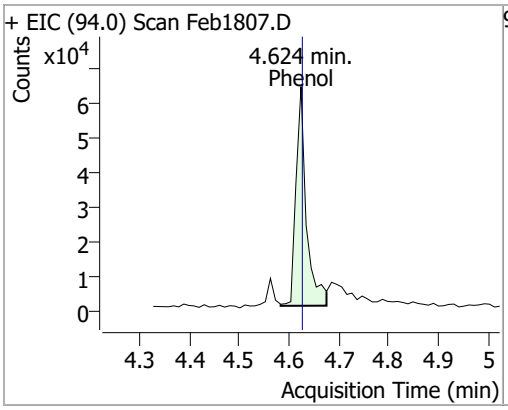
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	9.4500	4.60	-0.01	82773 (m)	71.0	37.8	25.8	47.9

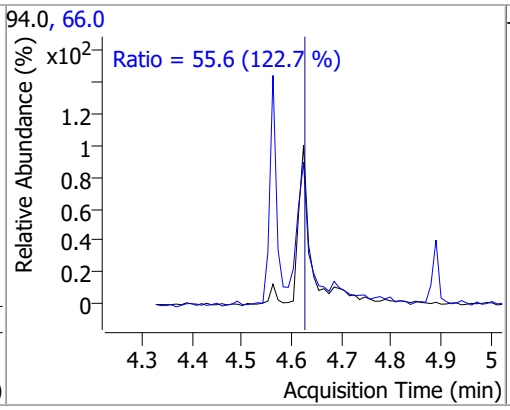


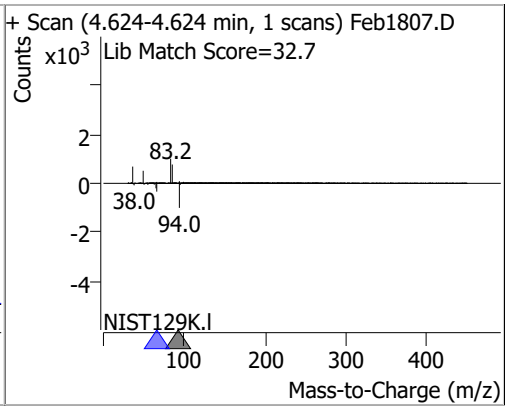




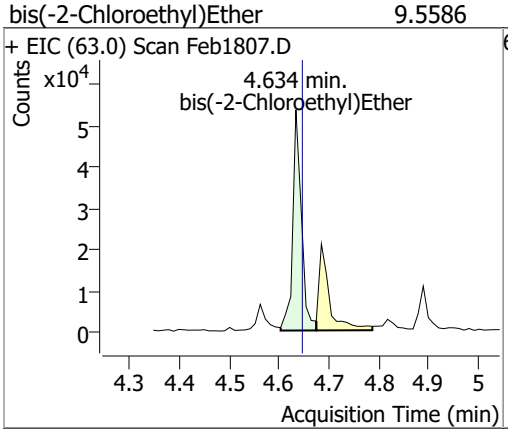
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	9.4951	4.62	0.00	90632	66.0	55.6	31.7	58.9

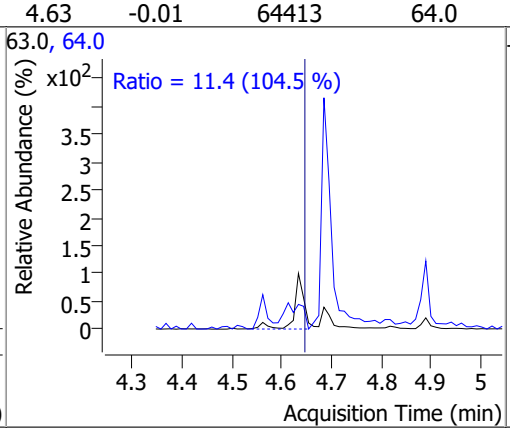


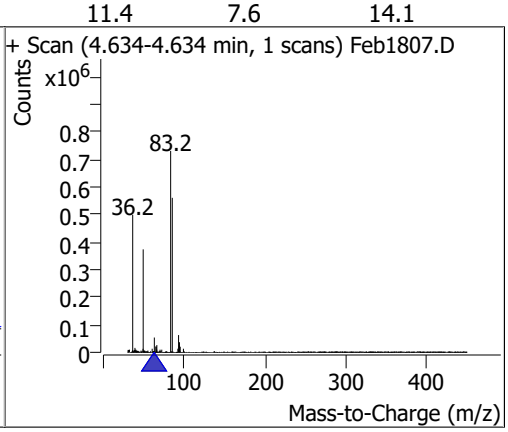




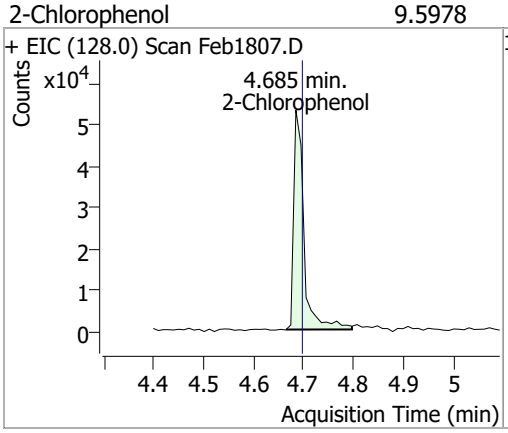
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	9.5586	4.63	-0.01	64413	64.0	11.4	7.6	14.1

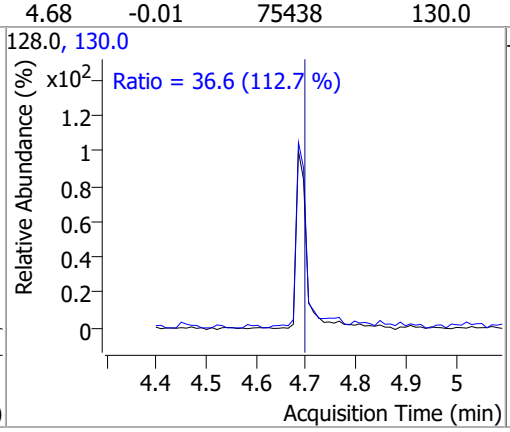


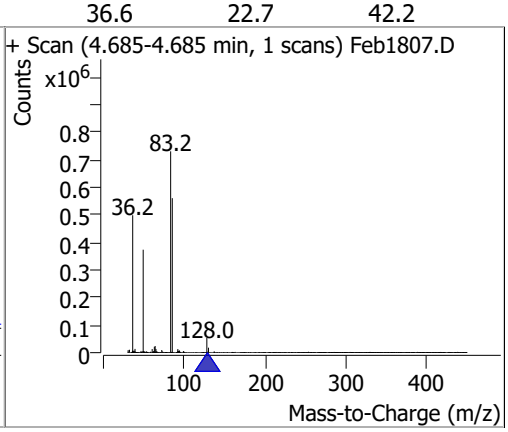




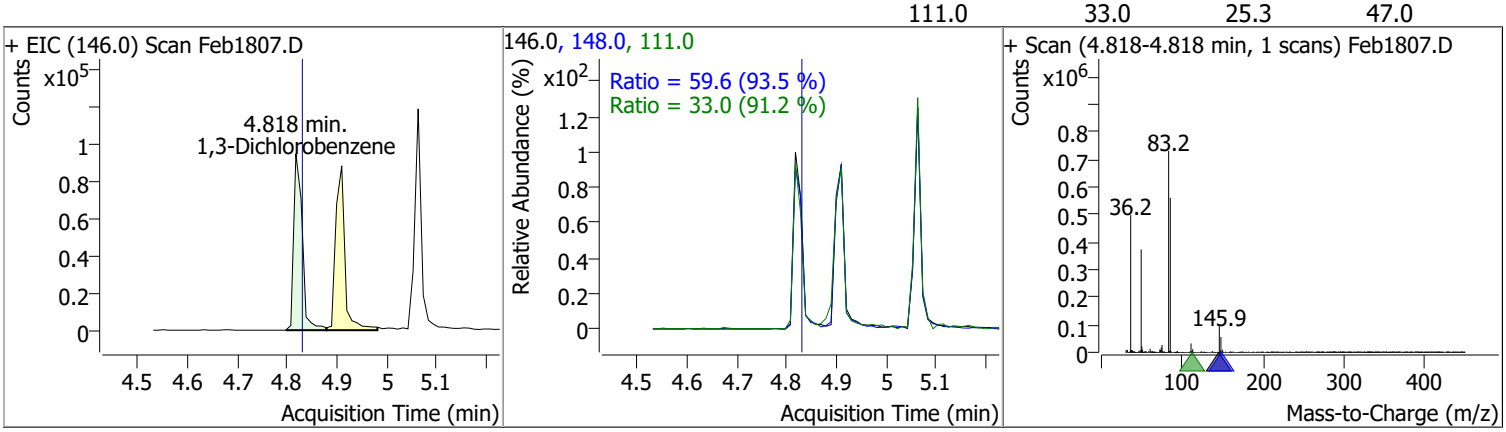
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	9.5978	4.68	-0.01	75438	130.0	36.6	22.7	42.2



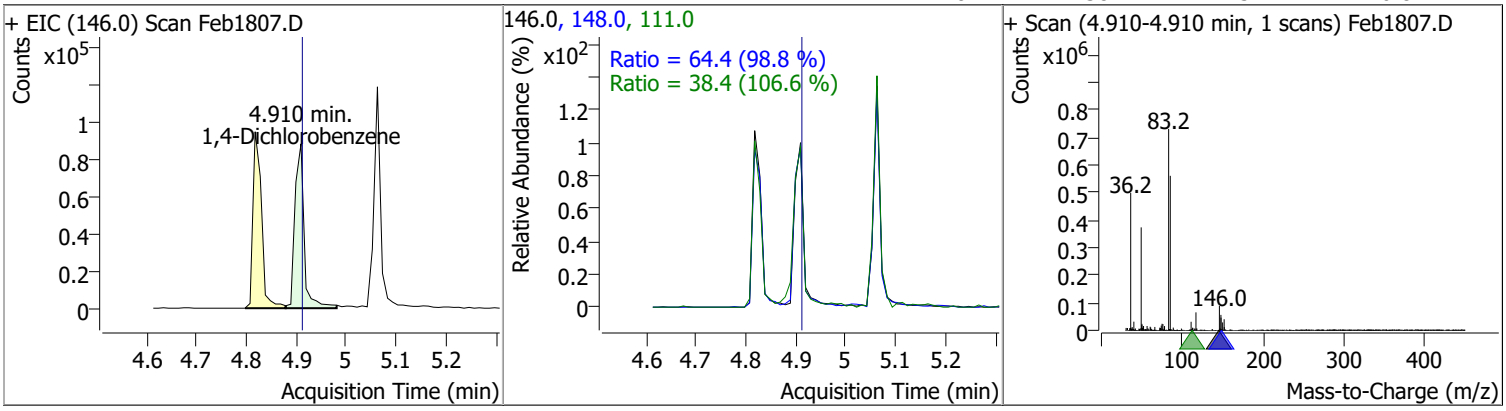




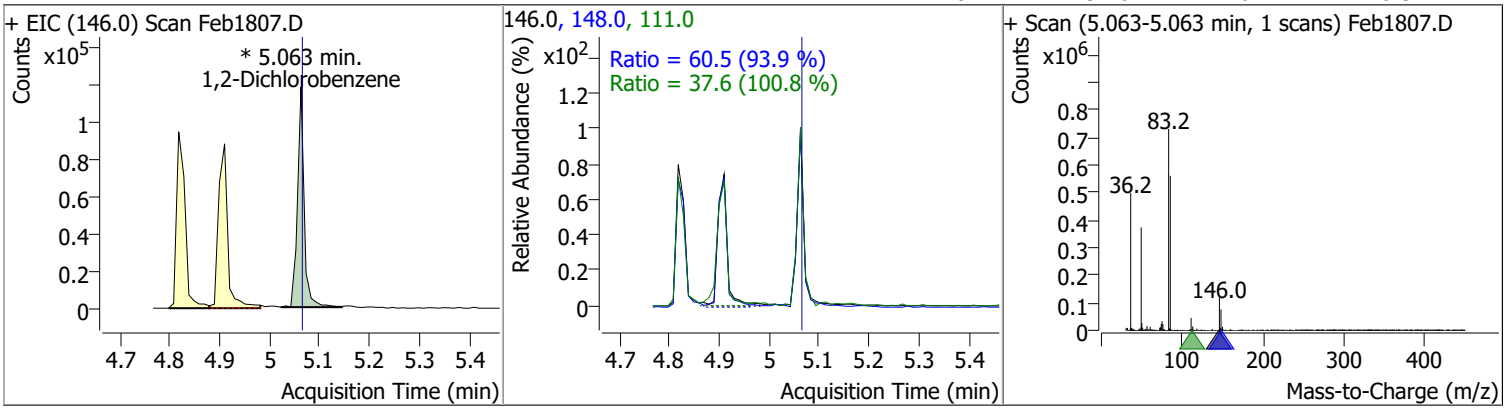
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	9.6983	4.82	-0.01	113425	148.0	59.6	44.6	82.8
					111.0	33.0	25.3	47.0



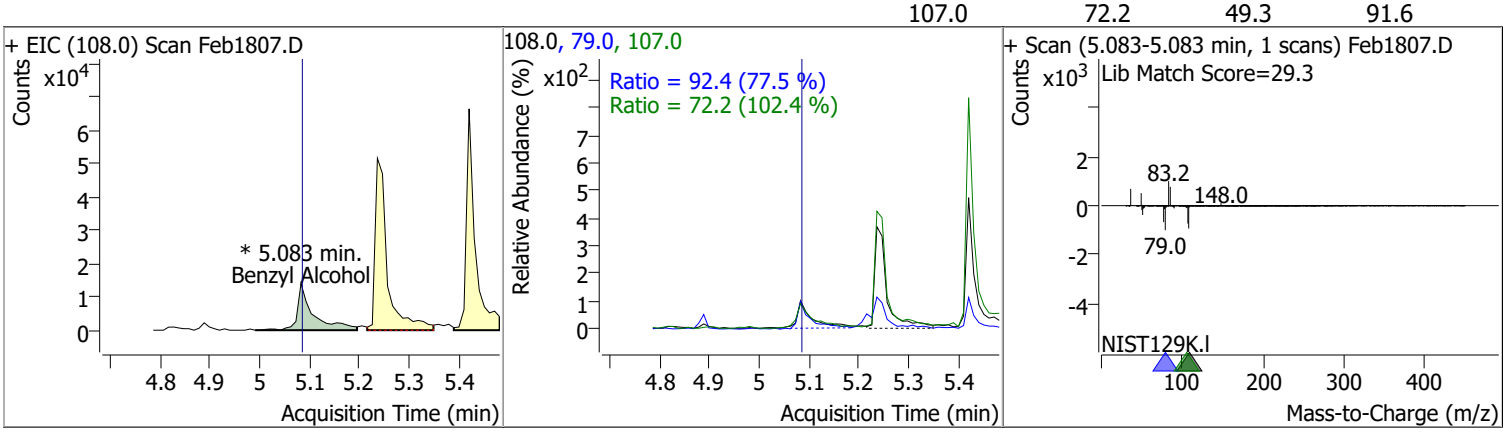
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	9.4369	4.91	0.00	113963	148.0	64.4	45.6	84.8
					111.0	38.4	25.2	46.8



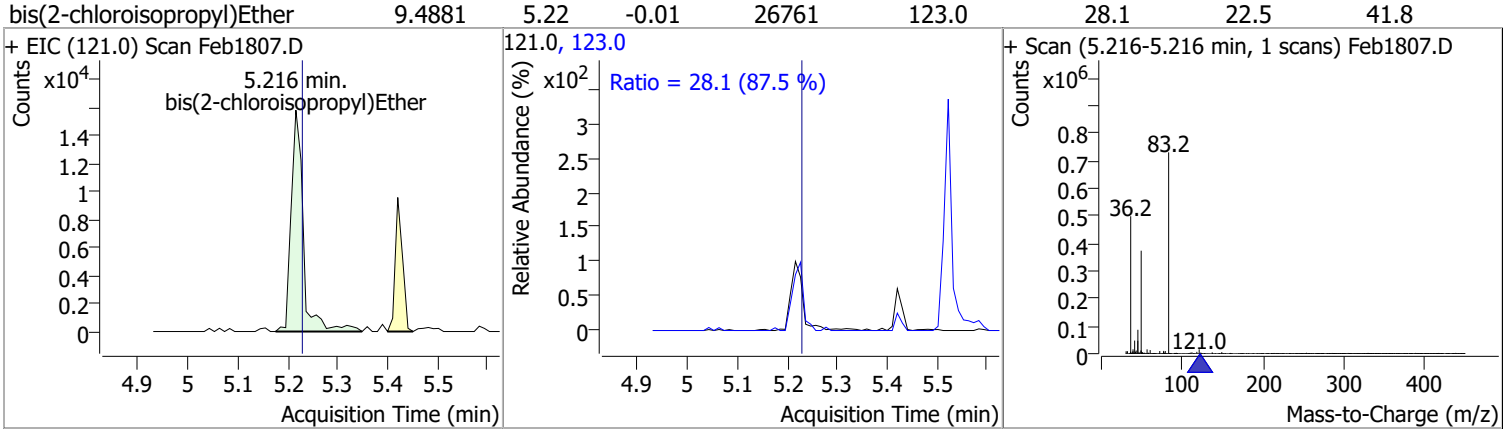
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	9.8457	5.06	0.00	110443 (m)	148.0	60.5	45.1	83.8
					111.0	37.6	26.1	48.5



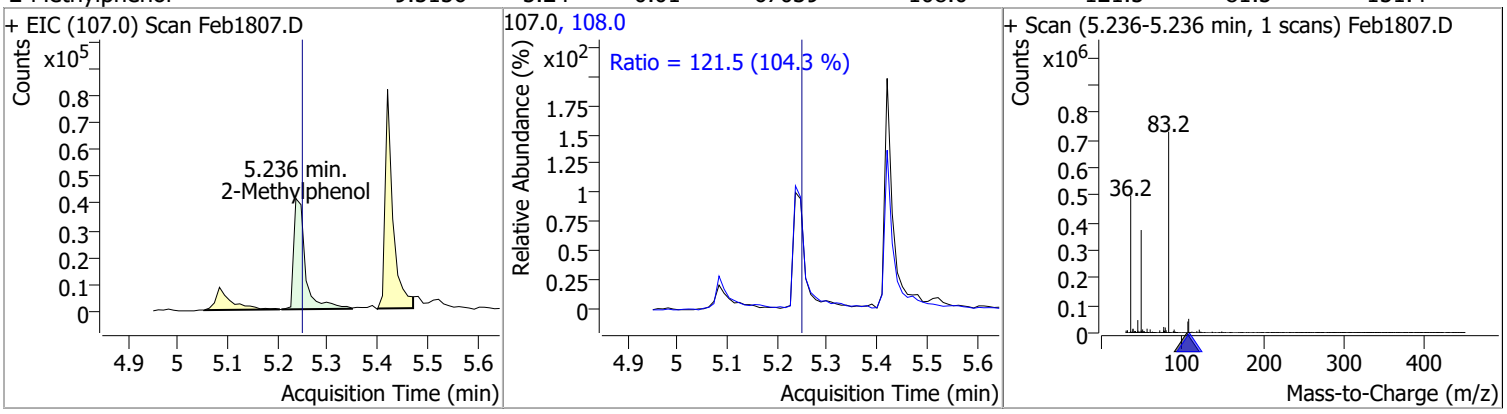
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	9.2253	5.08	0.00	31154 (m)	79.0	92.4	83.5	155.1
					107.0	72.2	49.3	91.6



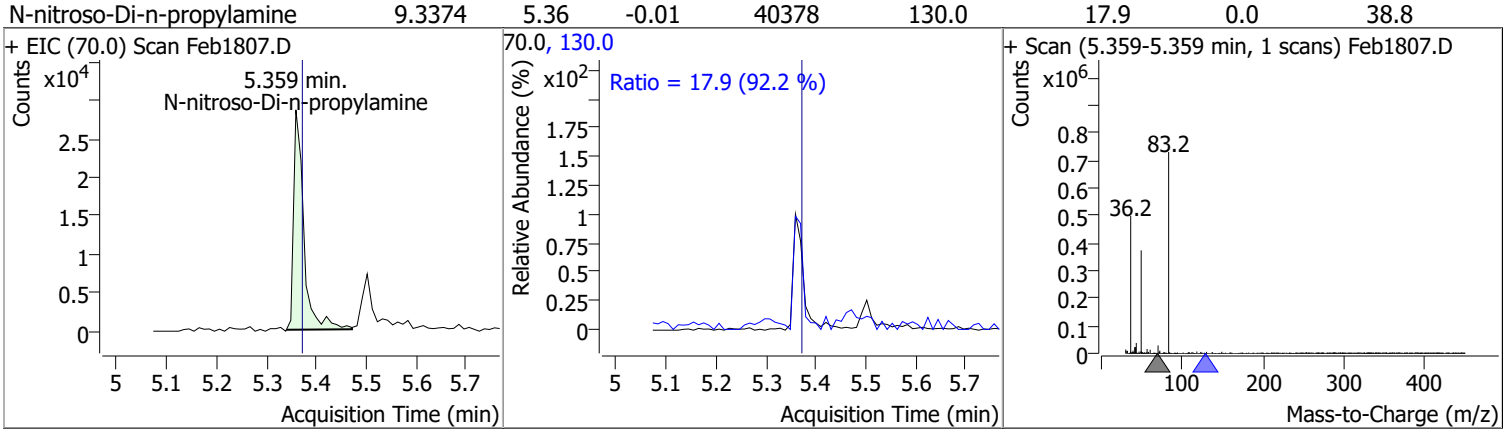
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	9.4881	5.22	-0.01	26761	123.0	28.1	22.5	41.8



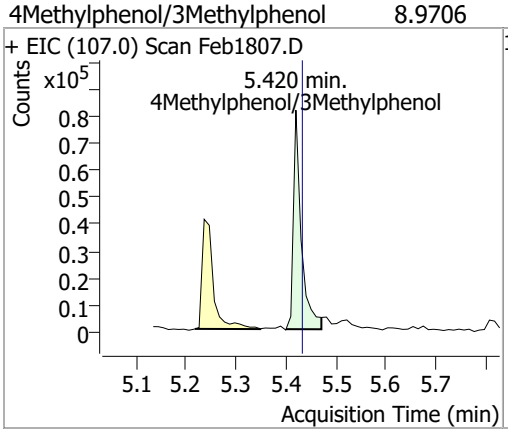
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	9.5156	5.24	-0.01	67039	108.0	121.5	81.5	151.4

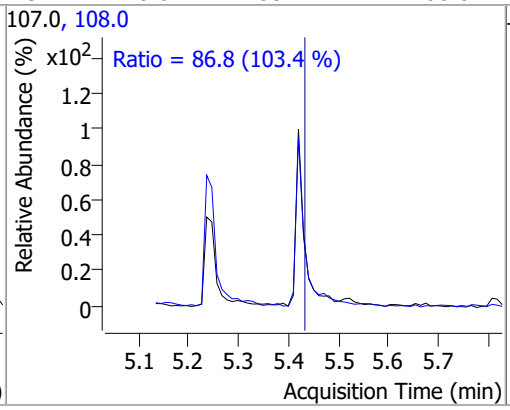


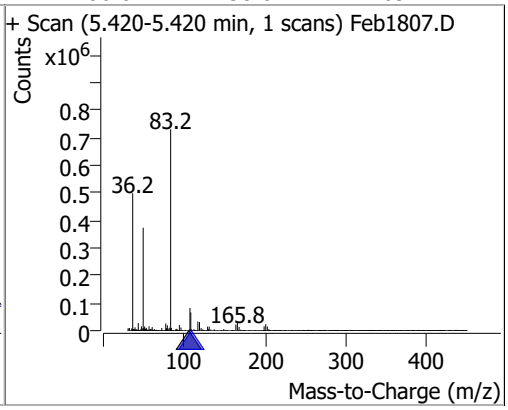
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	9.3374	5.36	-0.01	40378	130.0	17.9	0.0	38.8



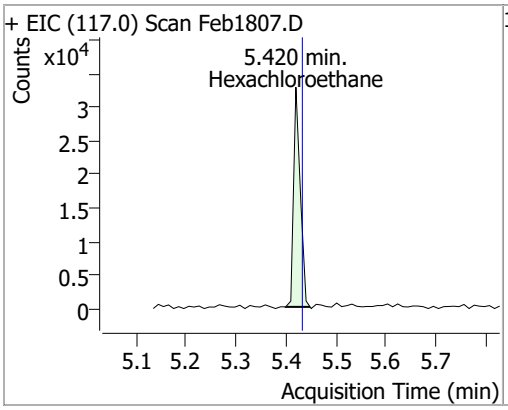
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	8.9706	5.42	-0.01	88244	108.0	86.8	58.8	109.1

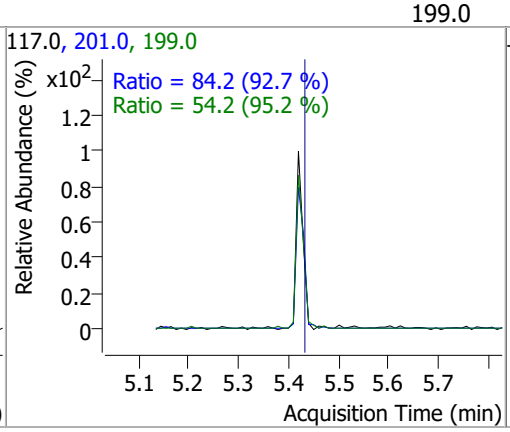


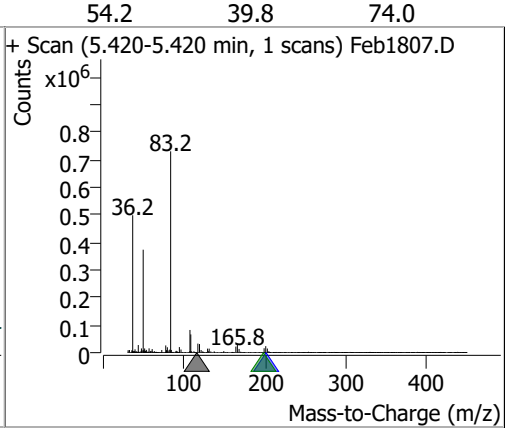




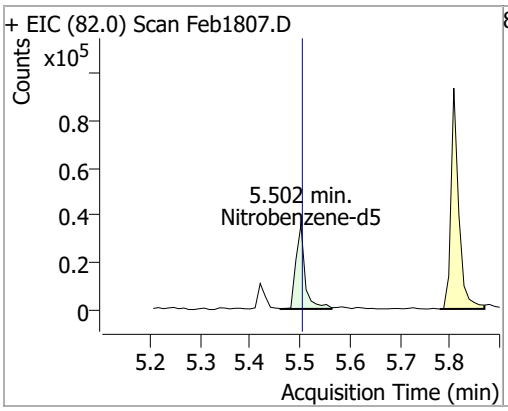
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	9.6553	5.42	-0.01	30122	201.0	84.2	63.5	118.0
					199.0	54.2	39.8	74.0

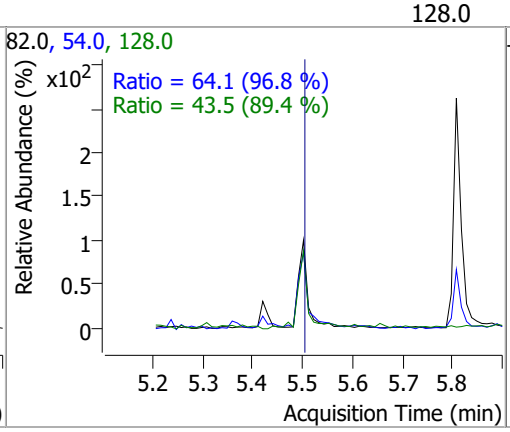


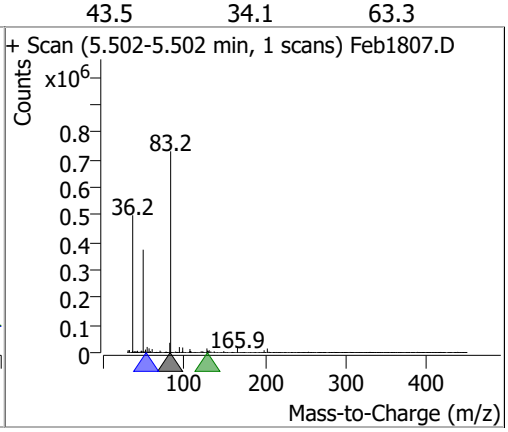




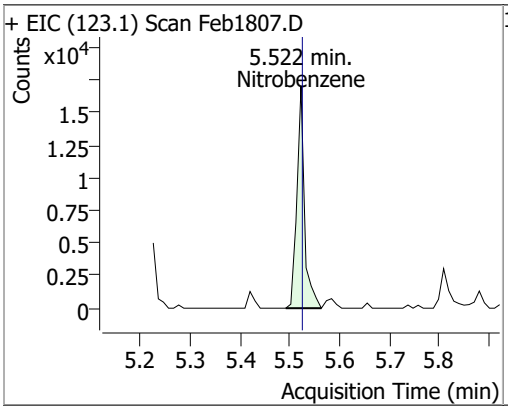
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	9.4140	5.50	0.00	45452	54.0	64.1	46.3	86.0
					128.0	43.5	34.1	63.3

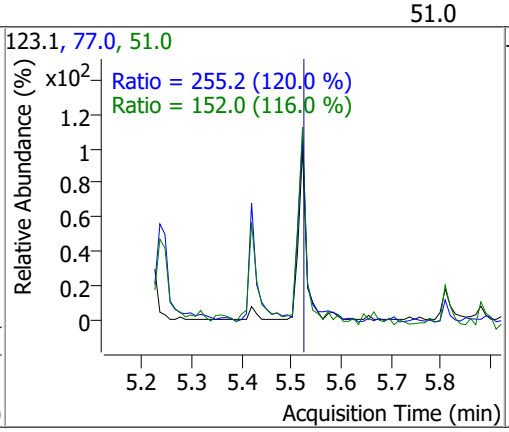


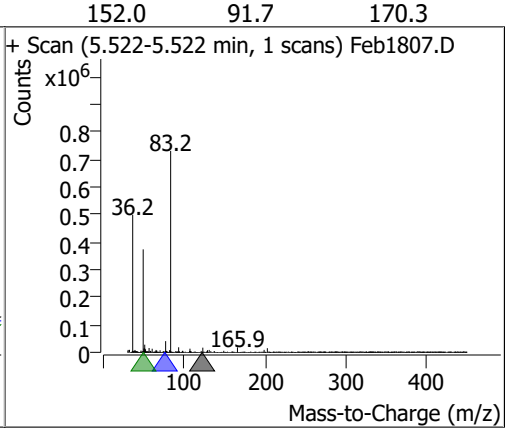




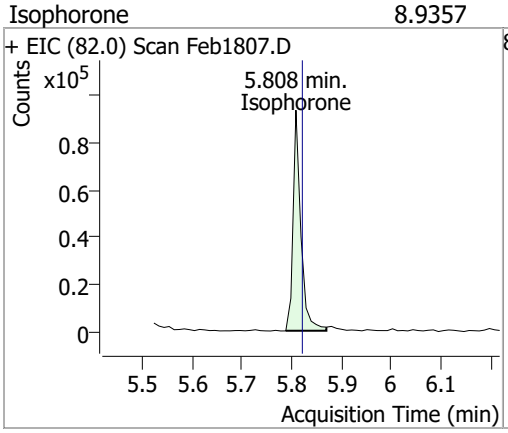
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	8.2519	5.52	0.00	18080	77.0	255.2	148.9	276.5
					51.0	152.0	91.7	170.3

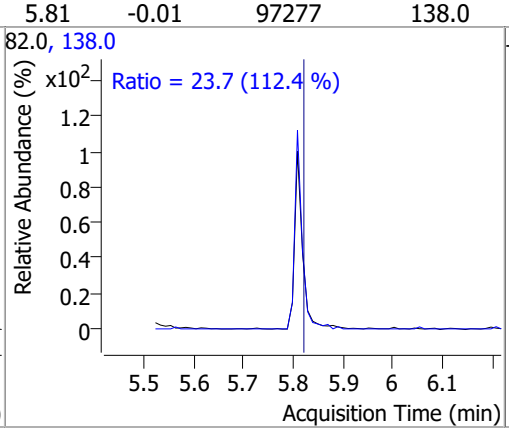


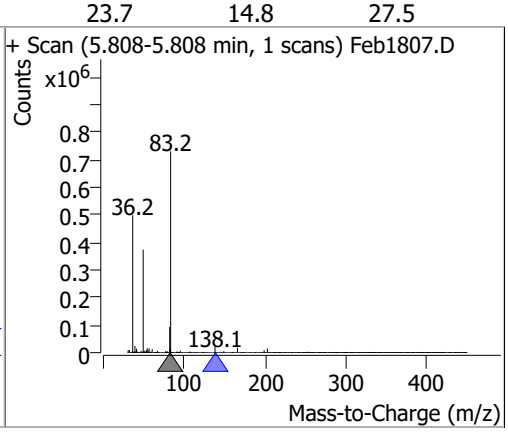




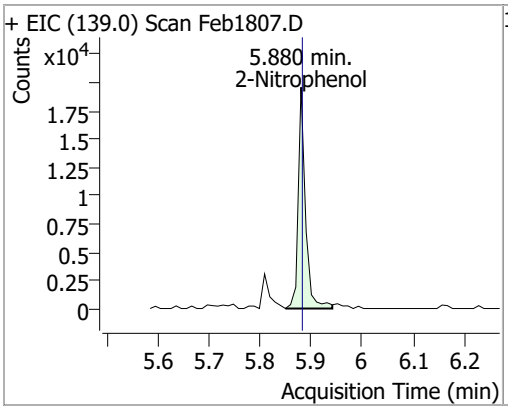
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	8.9357	5.81	-0.01	97277	138.0	23.7	14.8	27.5

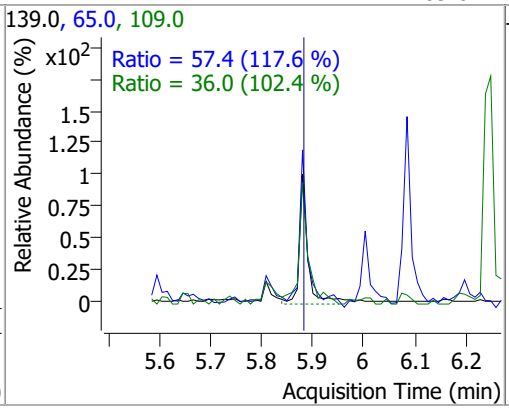


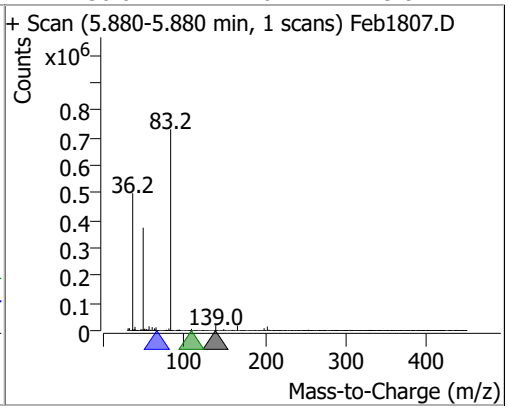




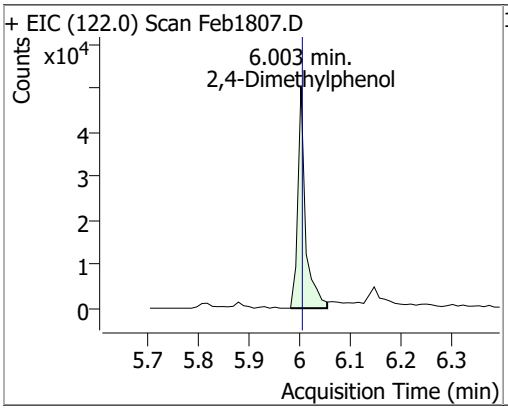
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	8.9839	5.88	0.00	19297	65.0	57.4	34.2	63.4
					109.0	36.0	24.6	45.8

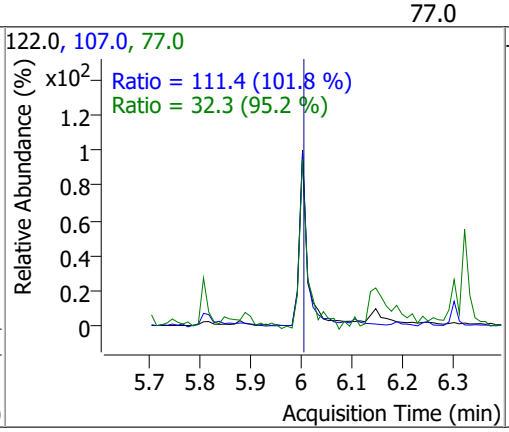


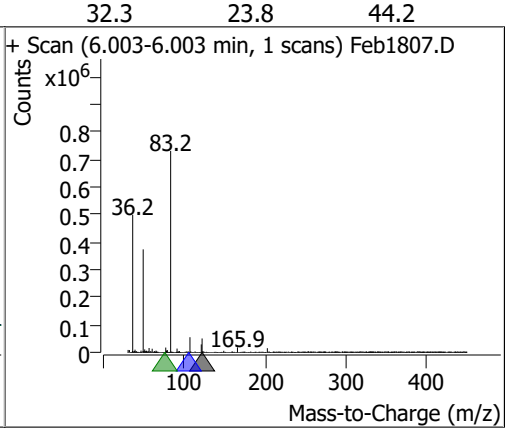




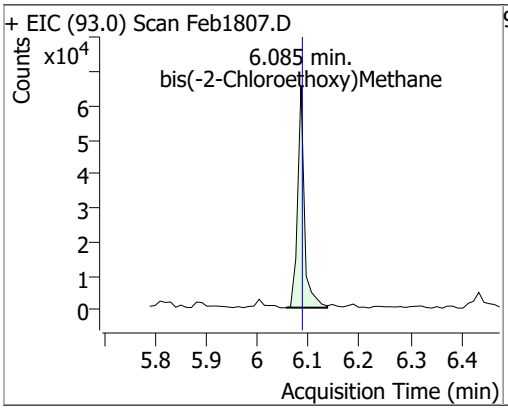
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	9.0655	6.00	0.00	52824	107.0	111.4	76.6	142.3
					77.0	32.3	23.8	44.2

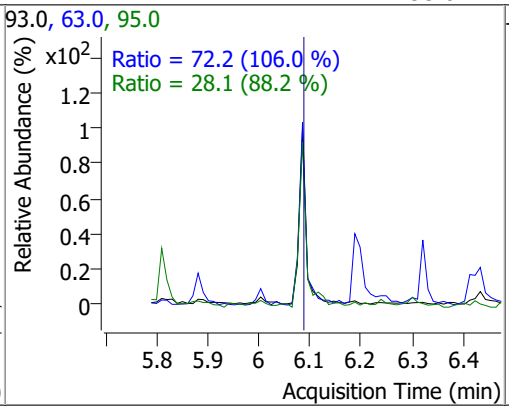


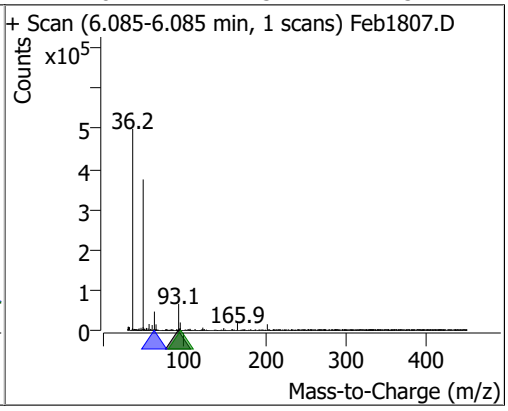




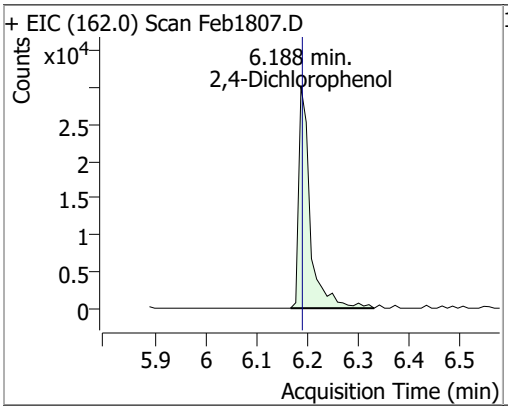
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	9.3842	6.08	0.00	59939	63.0	72.2	47.7	88.6
					95.0	28.1	22.3	41.5

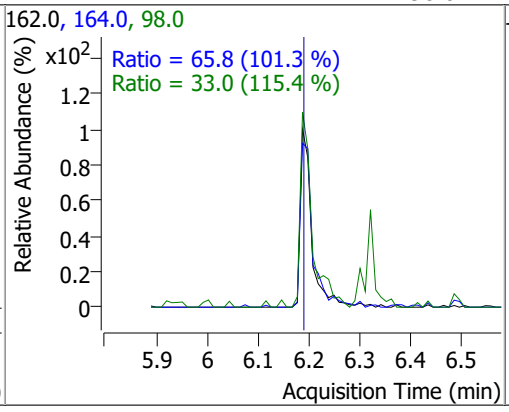


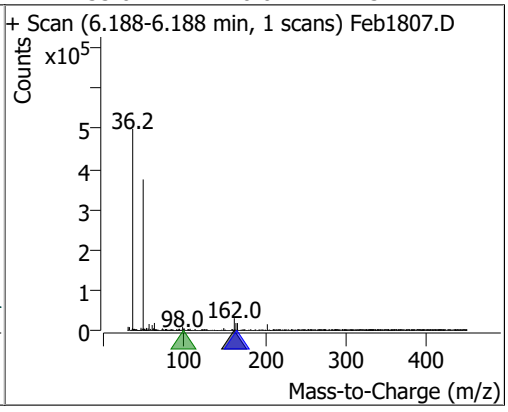




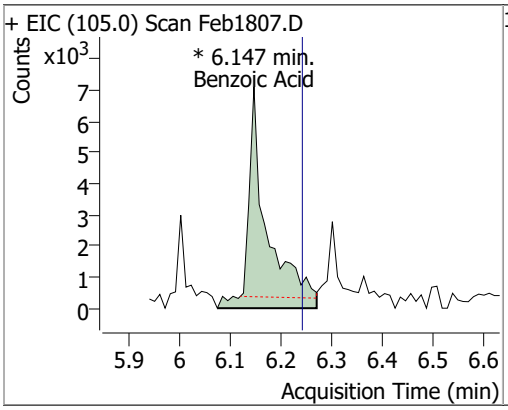
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	9.4074	6.19	0.00	47605	164.0	65.8	45.5	84.5
					98.0	33.0	20.0	37.1

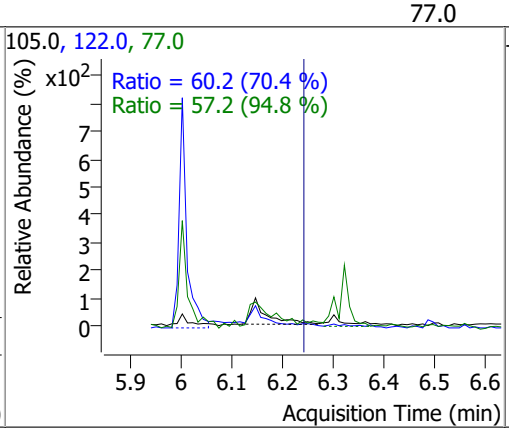


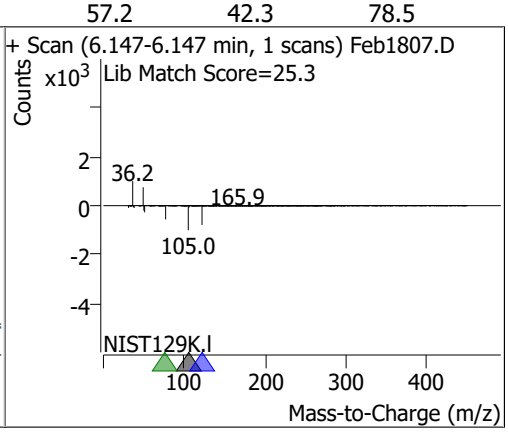




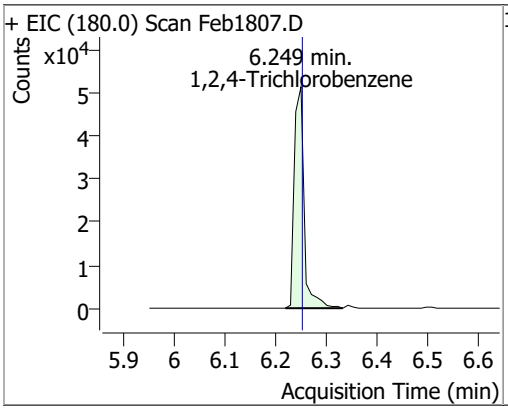
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	8.4117	6.15	-0.09	18665 (m)	122.0	60.2	59.9	111.2
					77.0	57.2	42.3	78.5

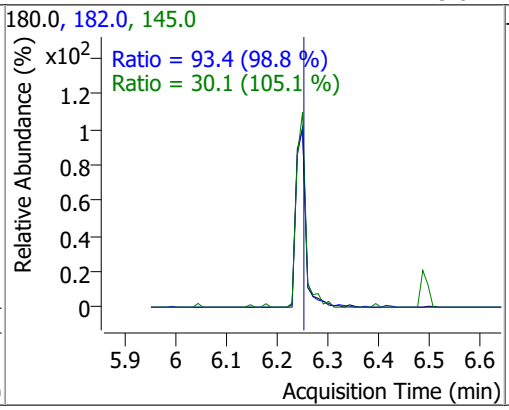


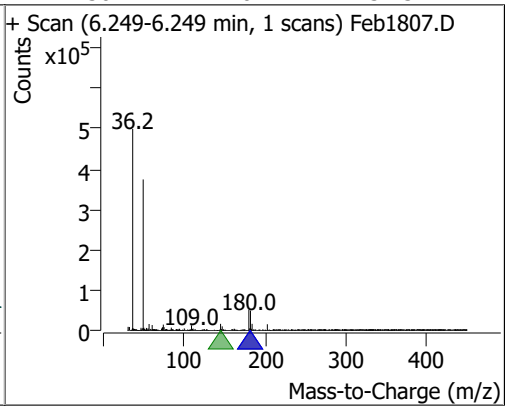




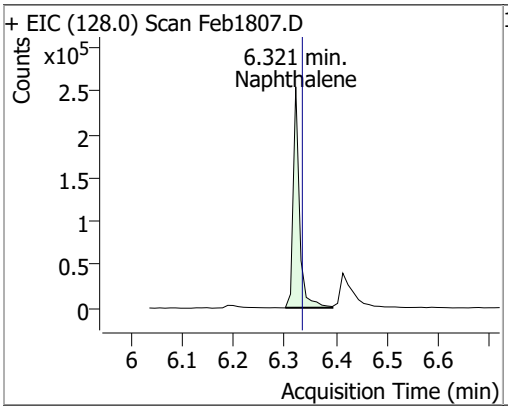
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	9.7020	6.25	0.00	69022	182.0	93.4	66.2	122.9
					145.0	30.1	20.1	37.3

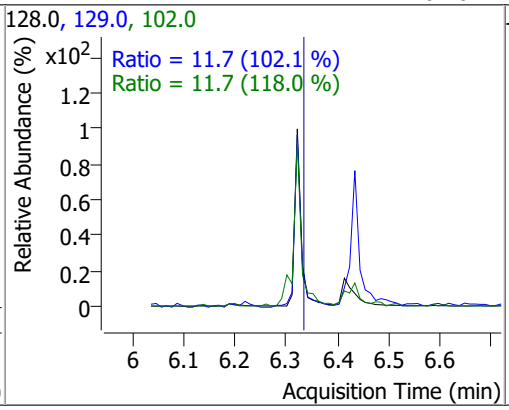


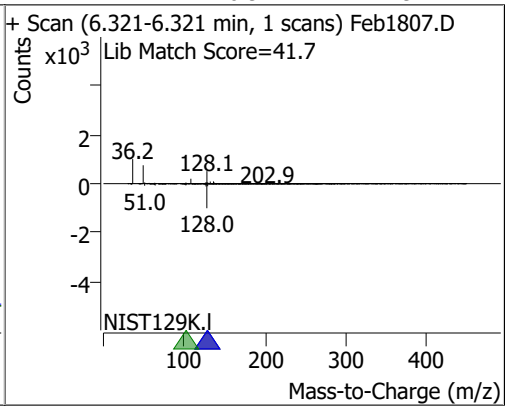




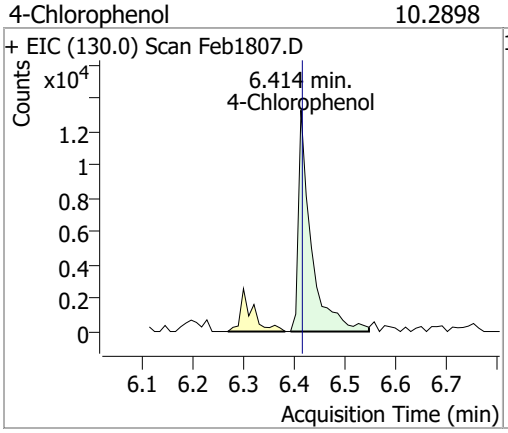
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	9.6379	6.32	-0.01	215374	129.0	11.7	8.0	14.9
					102.0	11.7	6.9	12.9

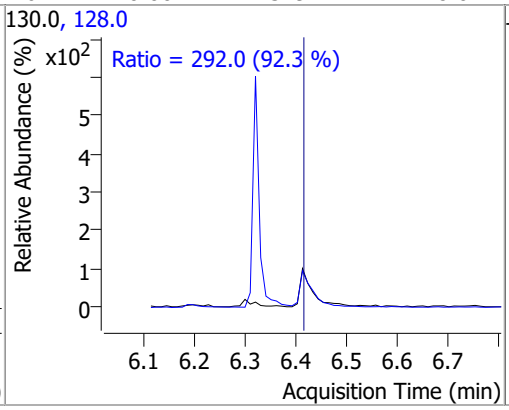


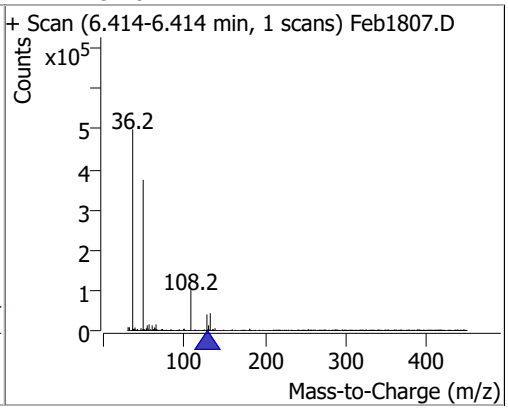




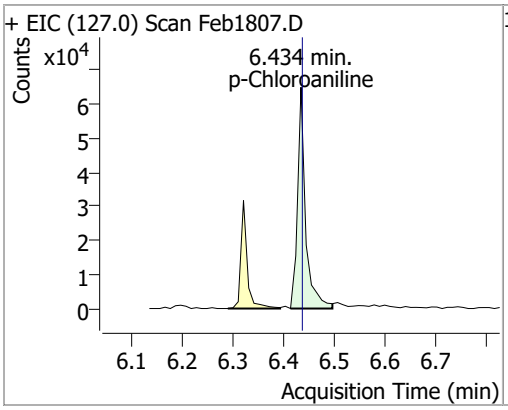
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	10.2898	6.41	0.00	23297	128.0	292.0	221.4	411.2

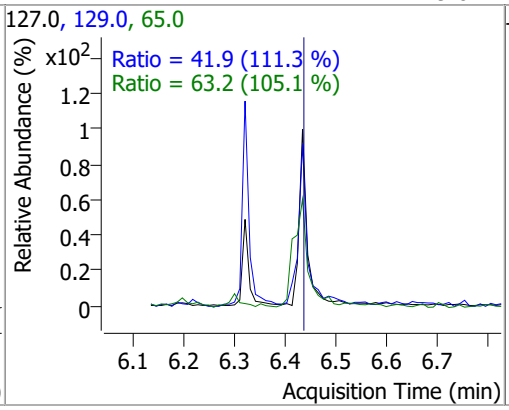


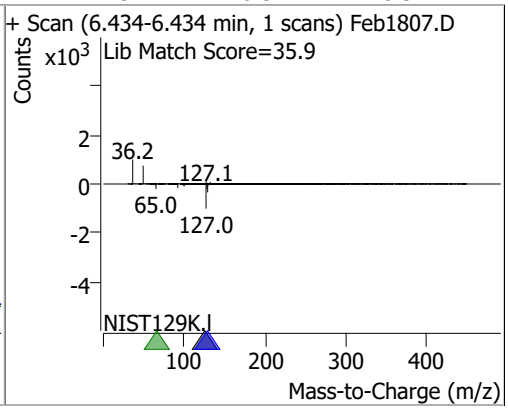




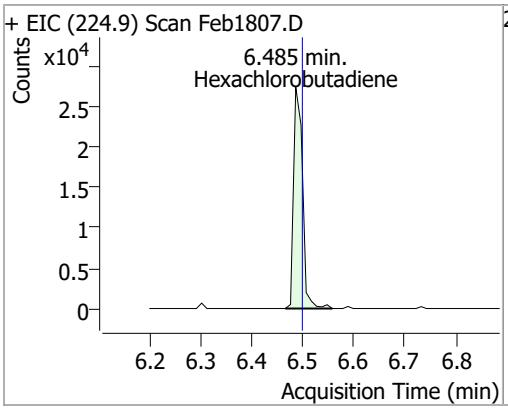
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	9.0638	6.43	0.00	71033	65.0	63.2	42.1	78.2
					129.0	41.9	26.3	48.9

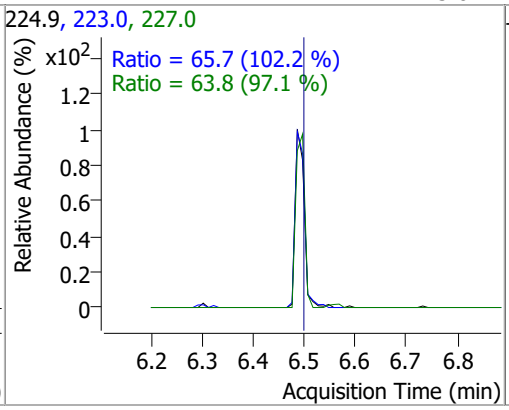


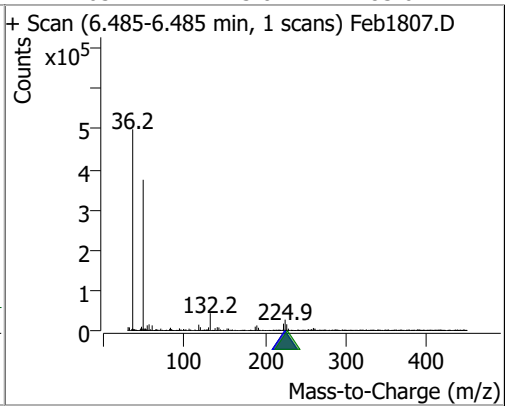




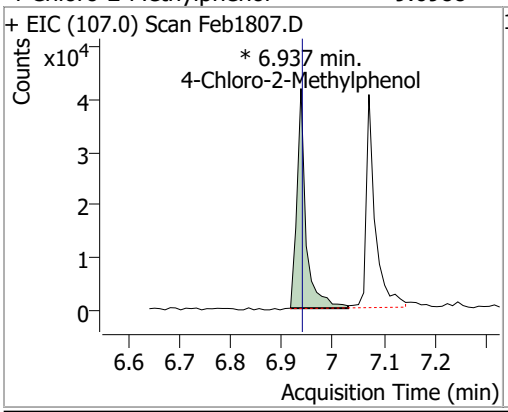
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	9.5879	6.49	-0.01	33554	227.0	63.8	46.0	85.4
					223.0	65.7	45.0	83.6

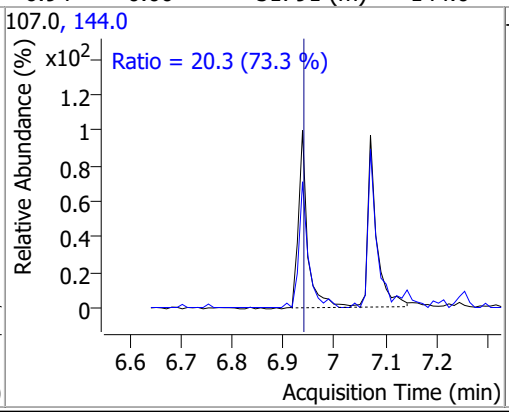


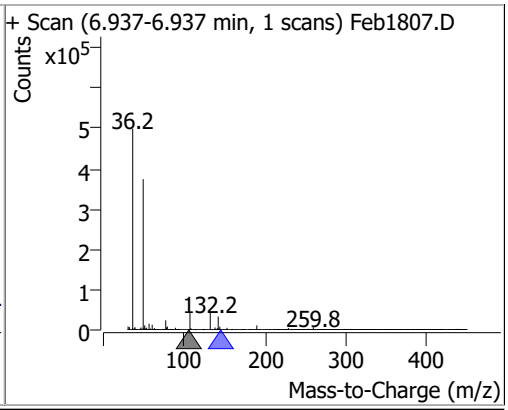




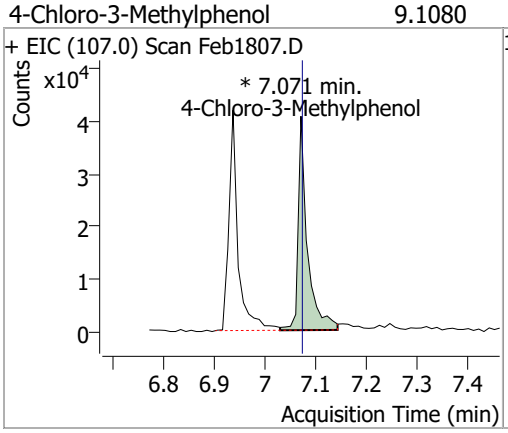
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	9.6988	6.94	0.00	51791 (m)	144.0	20.3	19.4	36.1

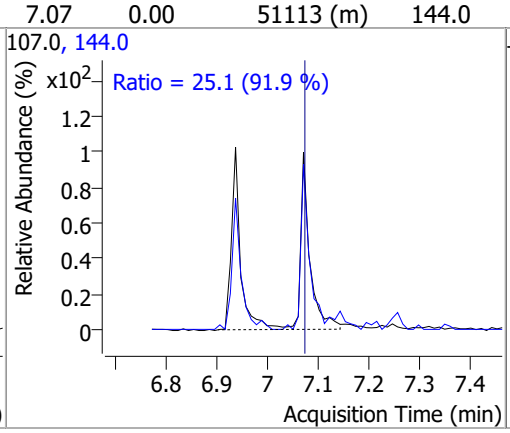


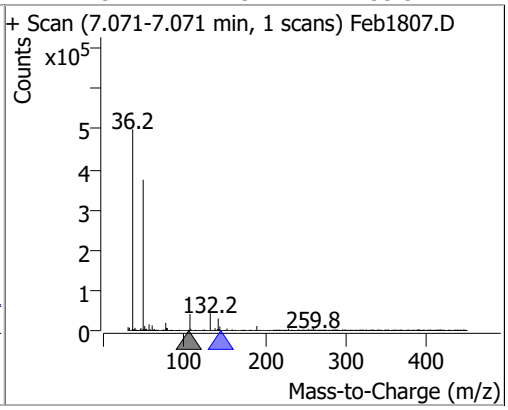




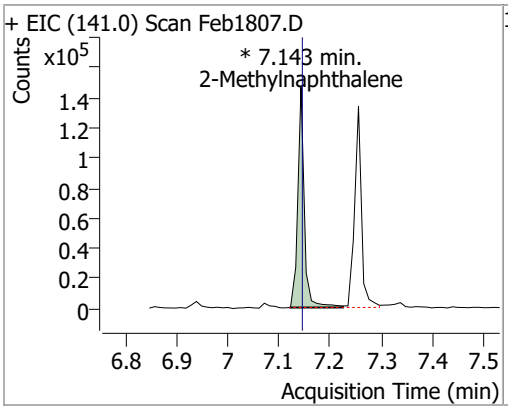
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	9.1080	7.07	0.00	51113 (m)	144.0	25.1	19.1	35.5

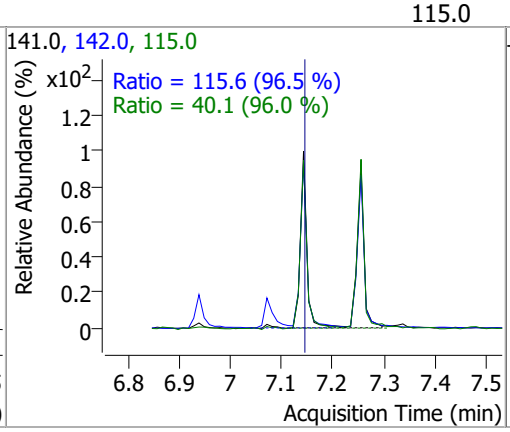


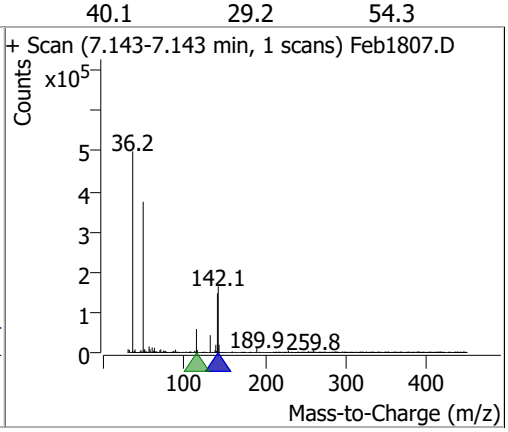




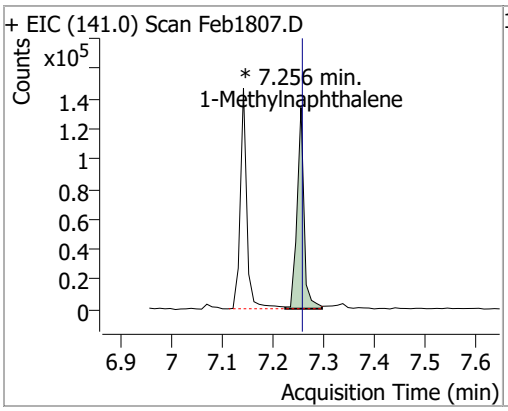
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	10.4339	7.14	0.00	129837 (m)	142.0	115.6	83.8	155.7
					115.0	40.1	29.2	54.3

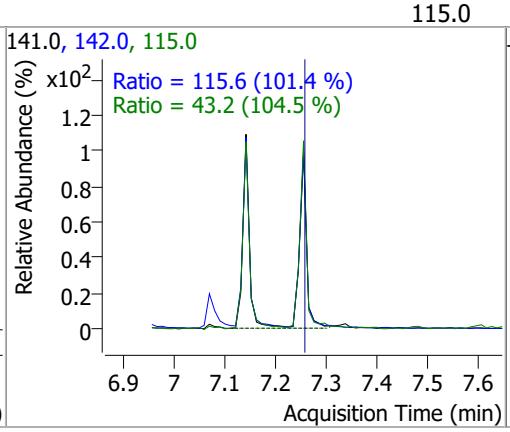


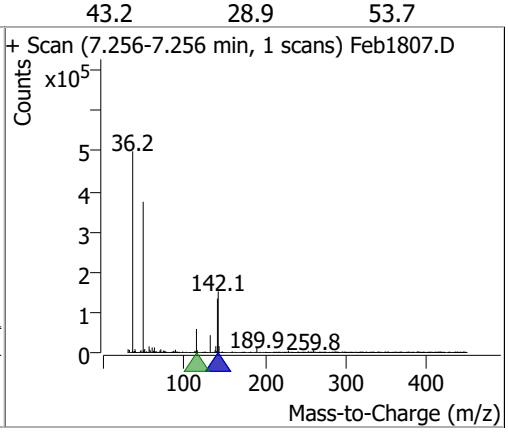




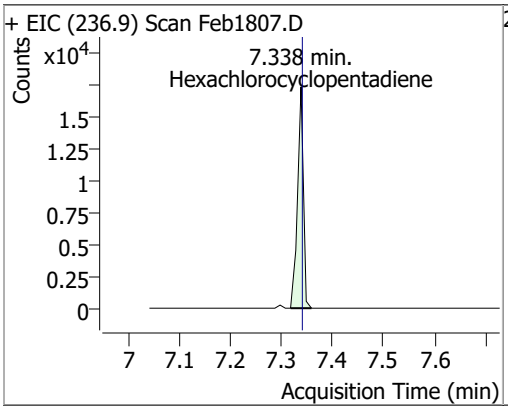
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	10.2310	7.26	0.00	126738 (m)	142.0	115.6	79.8	148.2
					115.0	43.2	28.9	53.7

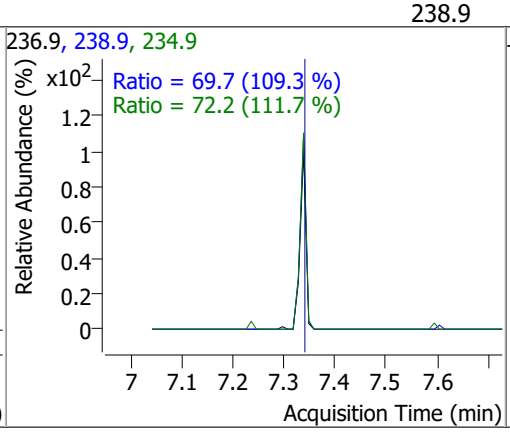


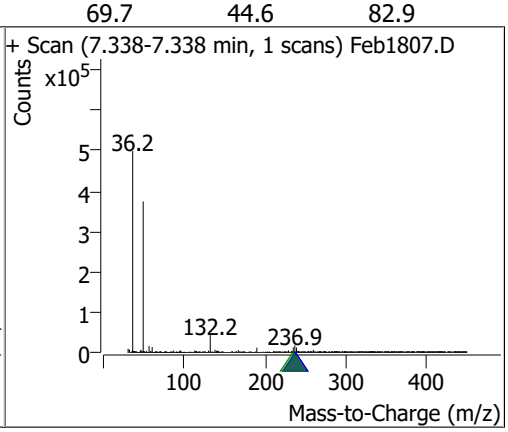




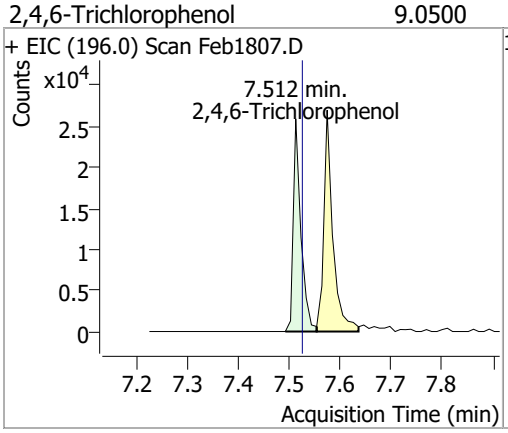
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	8.7963	7.34	0.00	13837	234.9	72.2	45.2	84.0
					238.9	69.7	44.6	82.9

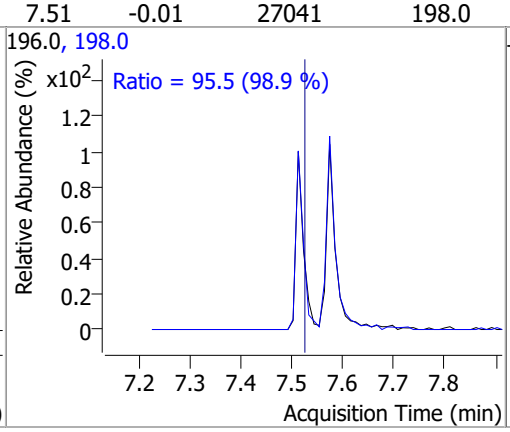


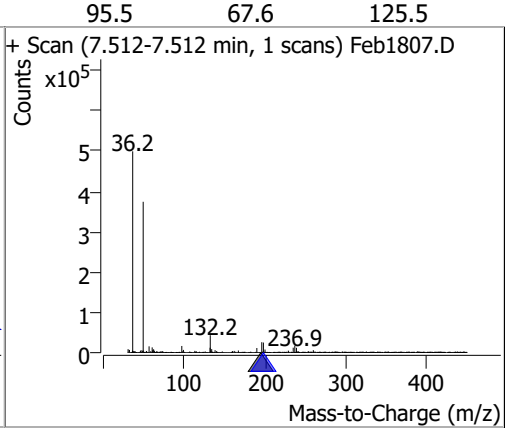




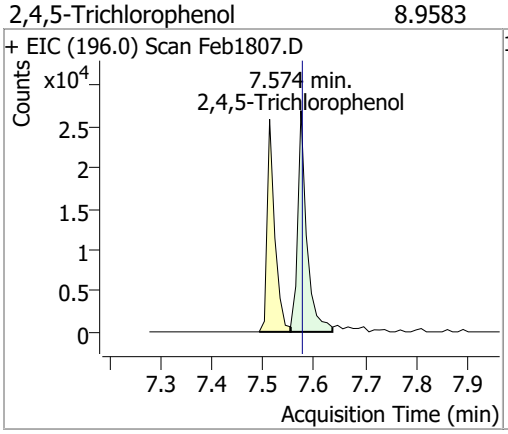
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	9.0500	7.51	-0.01	27041	198.0	95.5	67.6	125.5

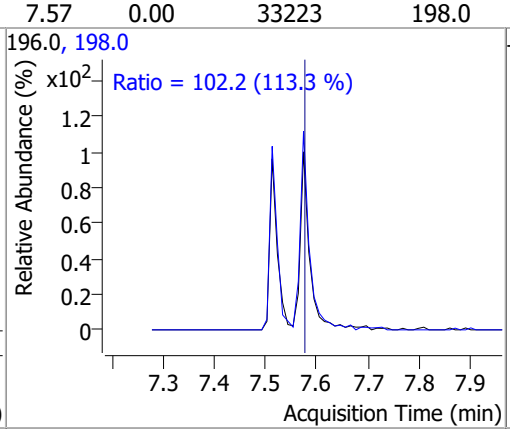


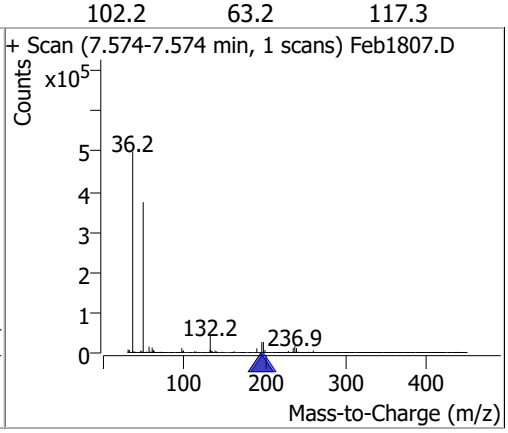




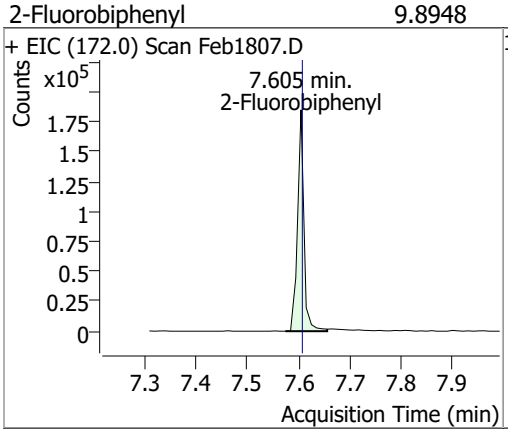
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	8.9583	7.57	0.00	33223	198.0	102.2	63.2	117.3

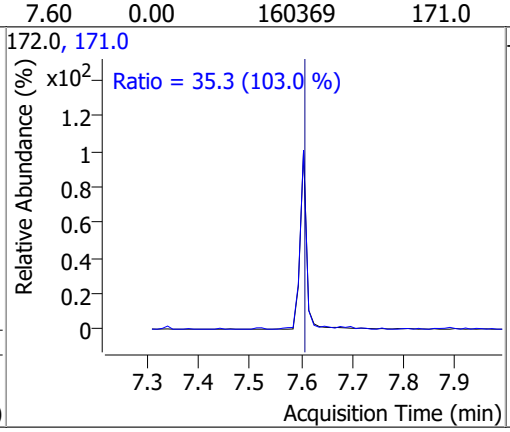


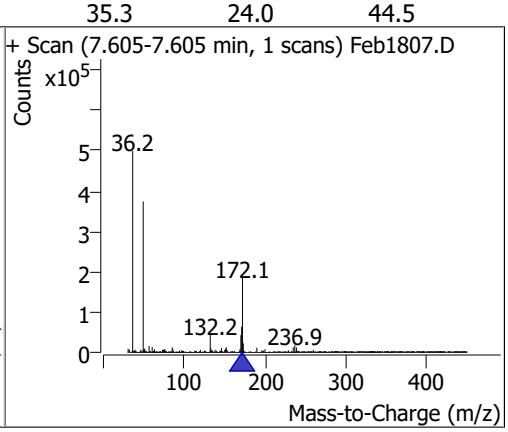




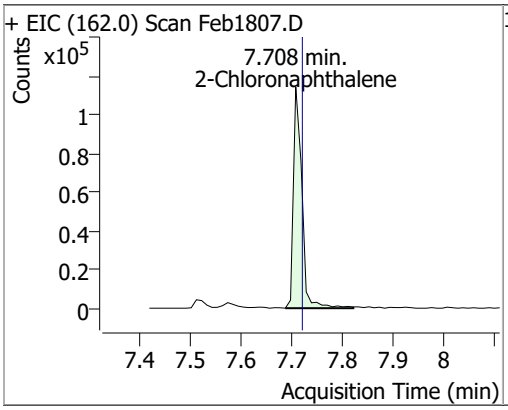
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	9.8948	7.60	0.00	160369	171.0	35.3	24.0	44.5

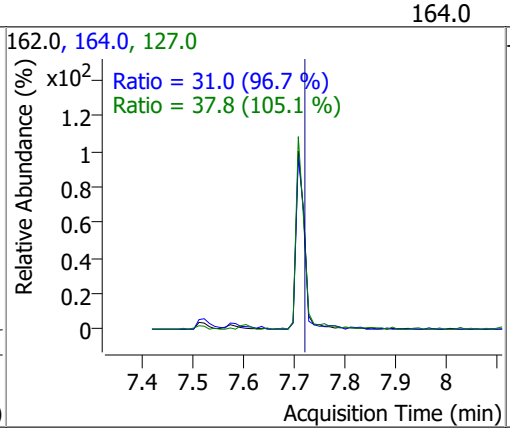


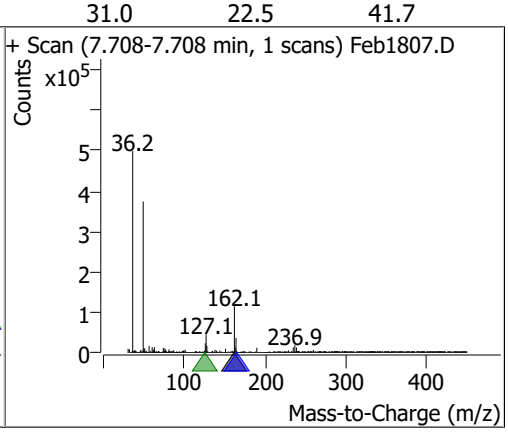




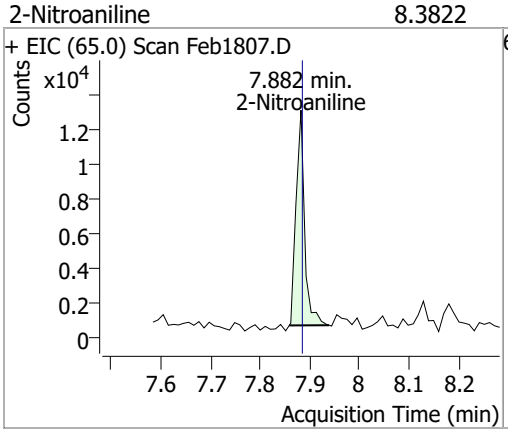
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	10.0555	7.71	-0.01	133308	127.0	37.8	25.1	46.7
					164.0	31.0	22.5	41.7

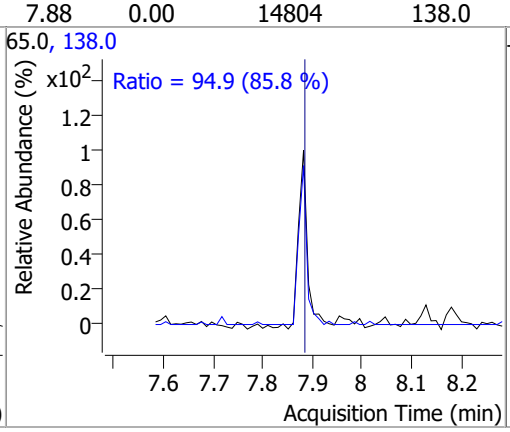


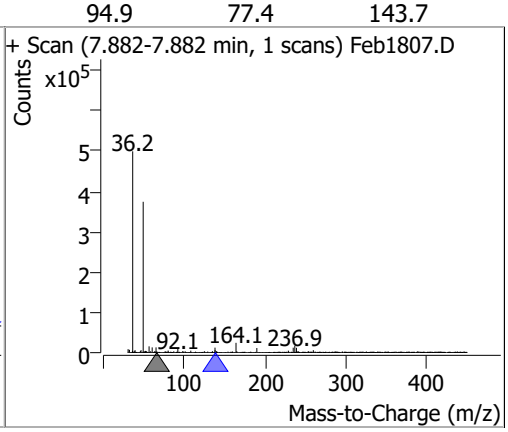




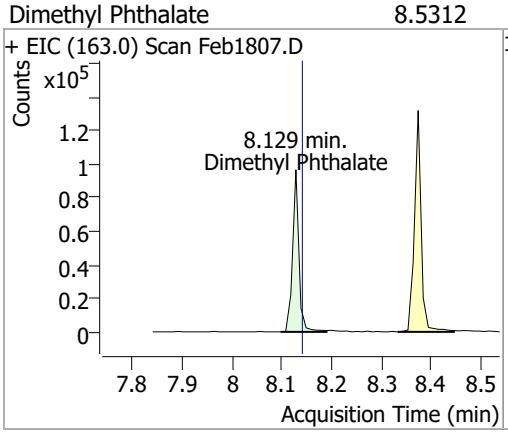
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	8.3822	7.88	0.00	14804	138.0	94.9	77.4	143.7

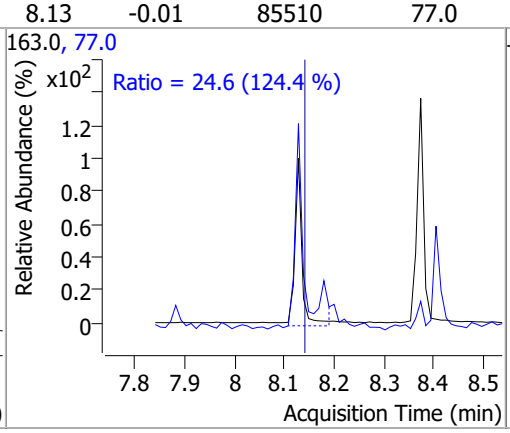


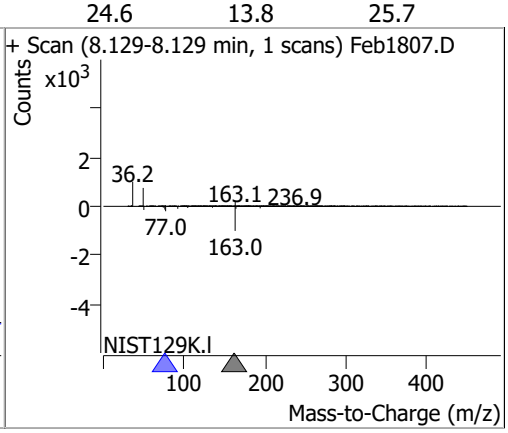




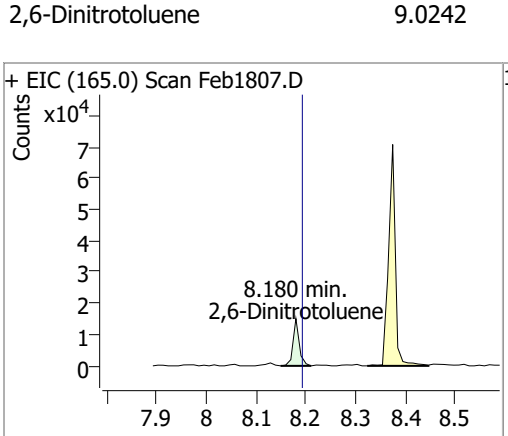
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	8.5312	8.13	-0.01	85510	77.0	24.6	13.8	25.7

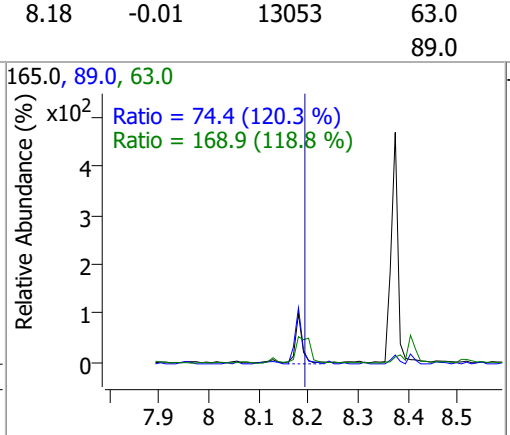


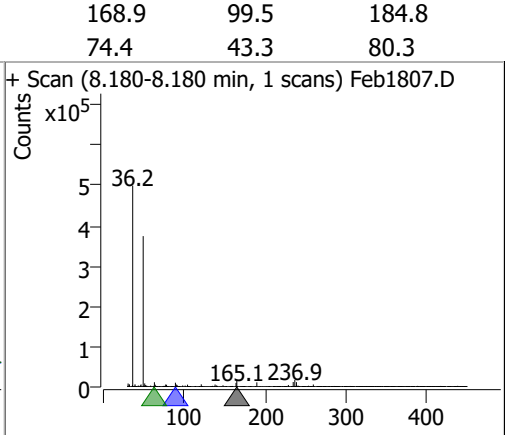




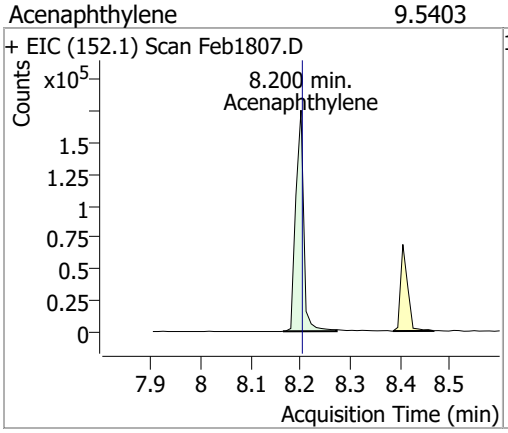
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	9.0242	8.18	-0.01	13053	63.0	168.9	99.5	184.8
					89.0	74.4	43.3	80.3

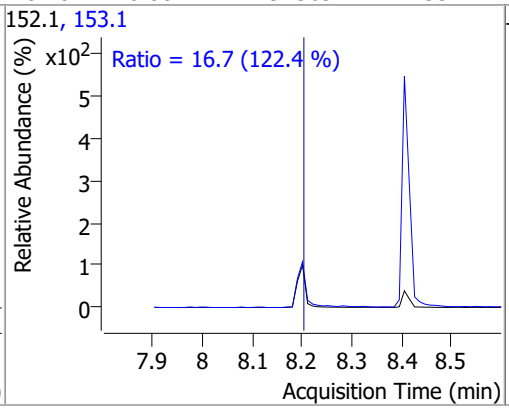


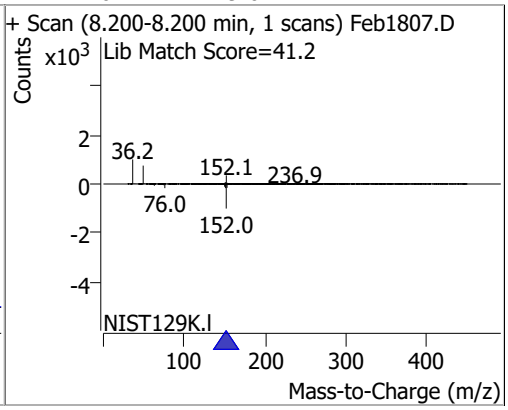




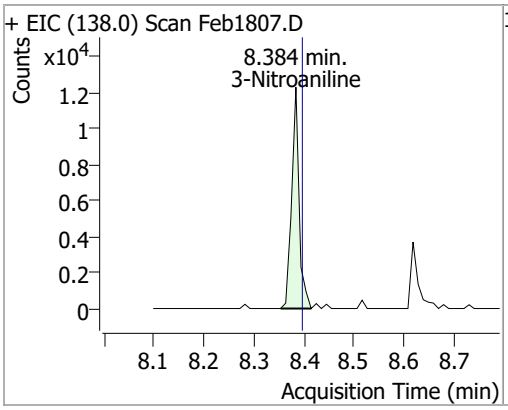
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	9.5403	8.20	0.00	194369	153.1	16.7	9.6	17.7

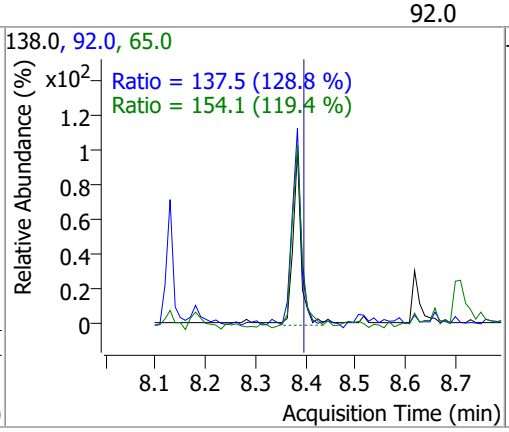


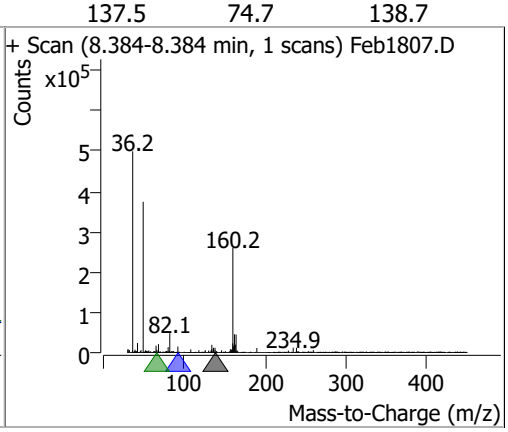




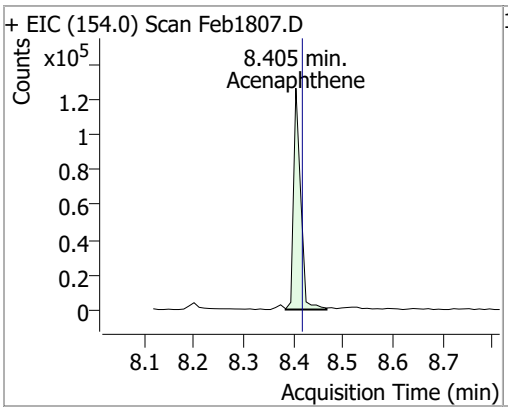
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	8.7217	8.38	-0.01	12737	65.0	154.1	90.4	167.8
					92.0	137.5	74.7	138.7

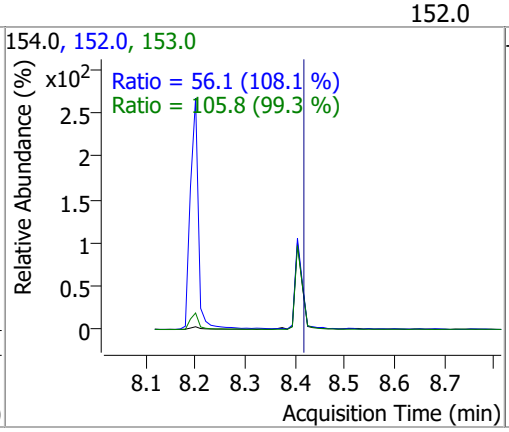


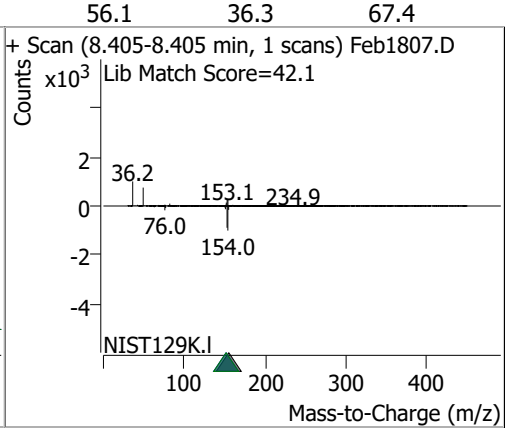




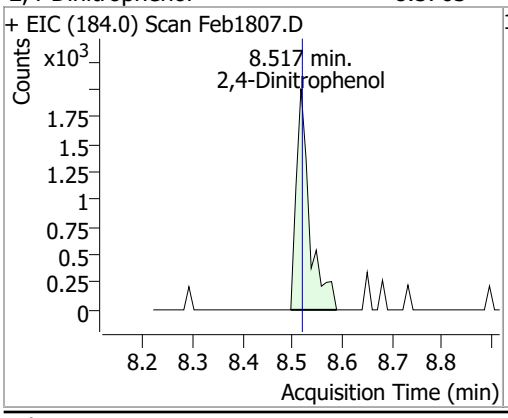
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	9.6812	8.40	-0.01	125792	153.0	105.8	74.5	138.4
					152.0	56.1	36.3	67.4

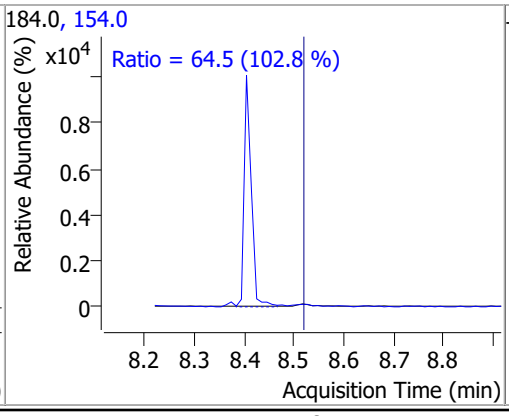


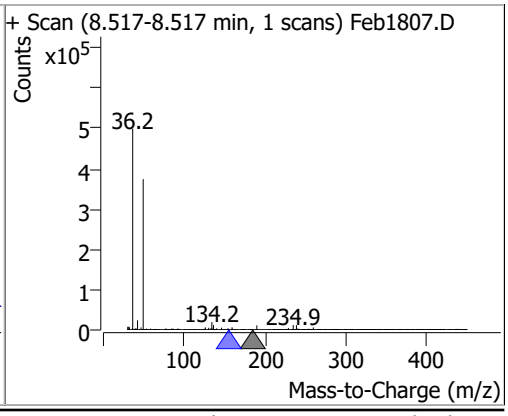




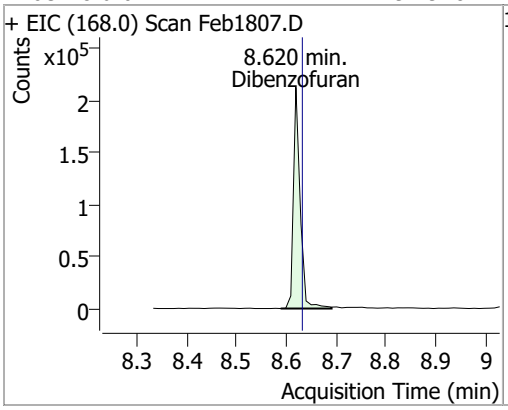
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	8.5763	8.52	0.00	3755	154.0	64.5	43.9	81.5

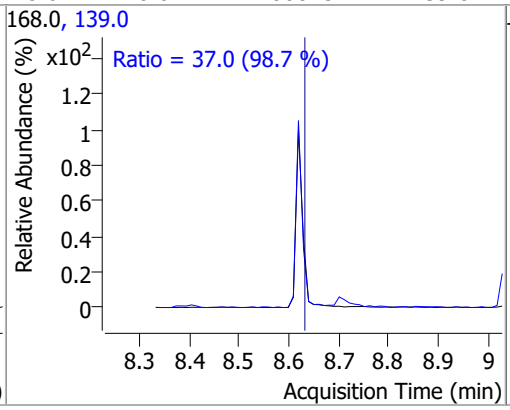


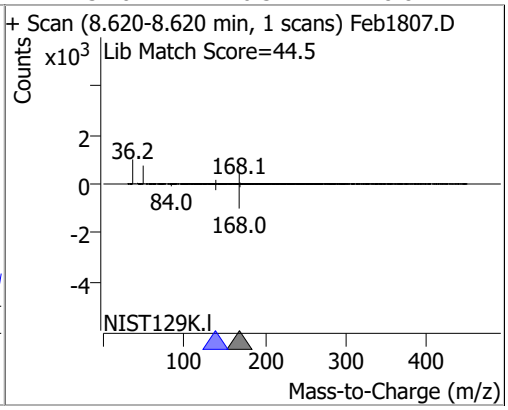




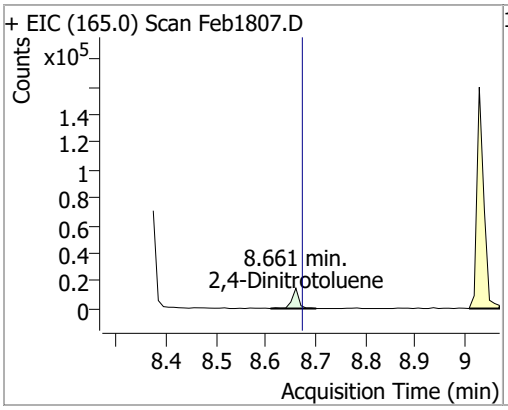
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	9.4970	8.62	-0.01	200815	139.0	37.0	26.3	48.8

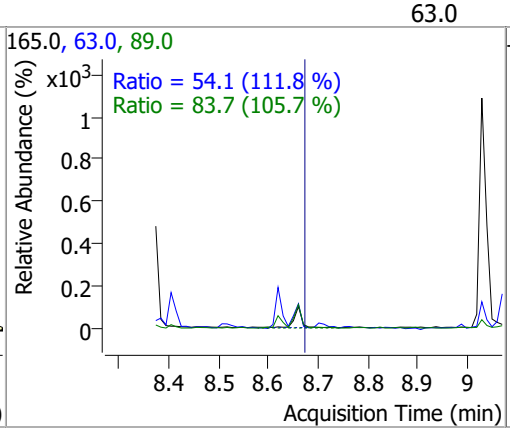


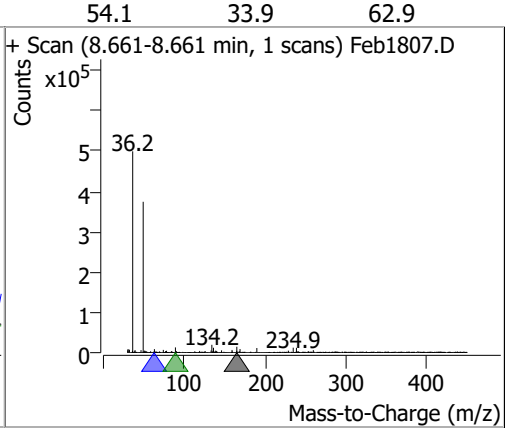




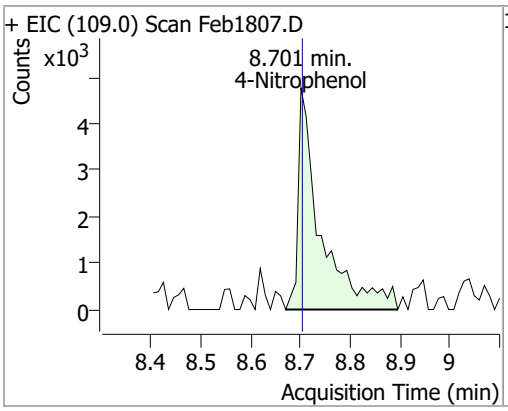
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	8.4581	8.66	-0.01	14287	89.0	83.7	55.4	102.9
					63.0	54.1	33.9	62.9

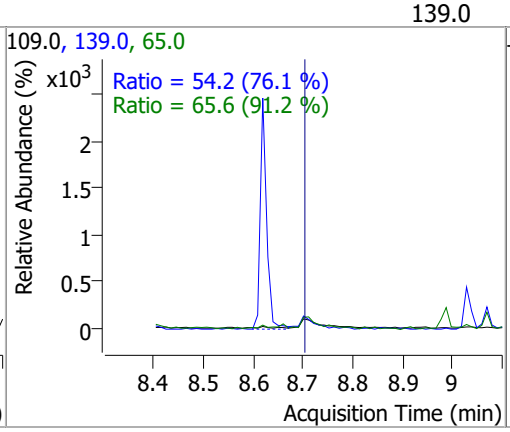


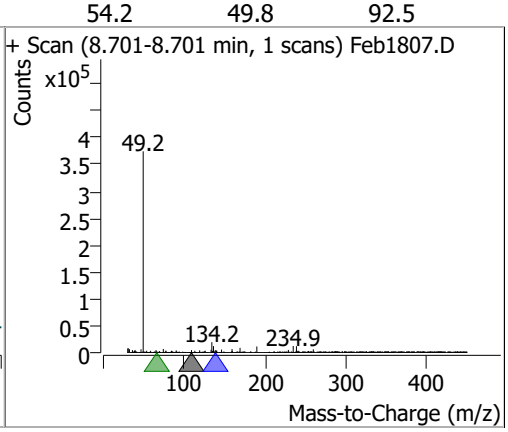




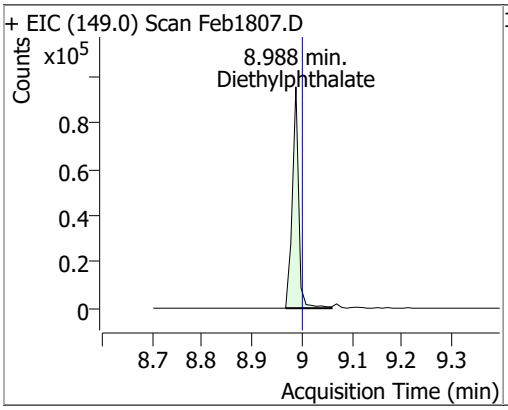
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	9.4102	8.70	0.00	14966	65.0	65.6	50.4	93.6
					139.0	54.2	49.8	92.5

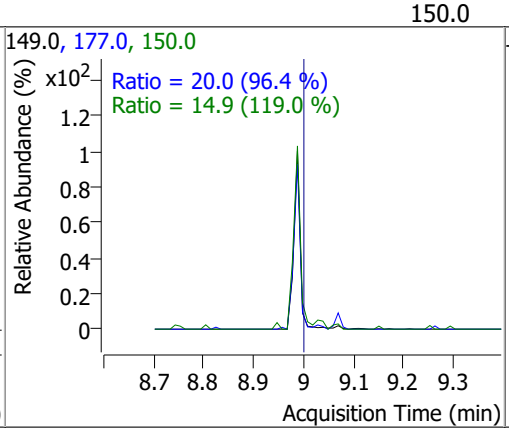


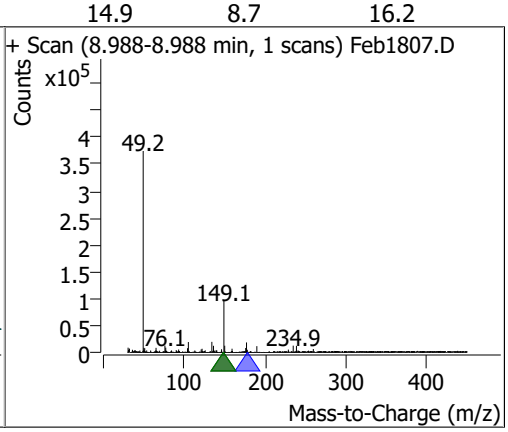




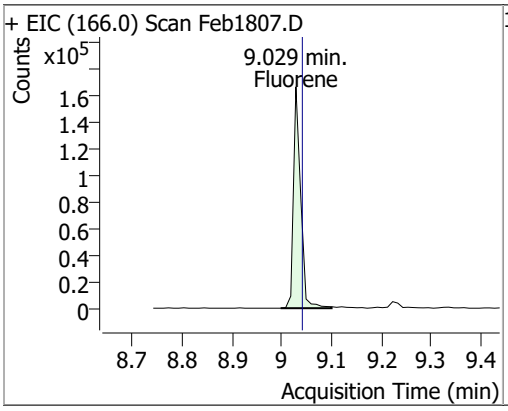
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	8.7379	8.99	-0.01	84750	177.0	20.0	14.5	27.0
					150.0	14.9	8.7	16.2

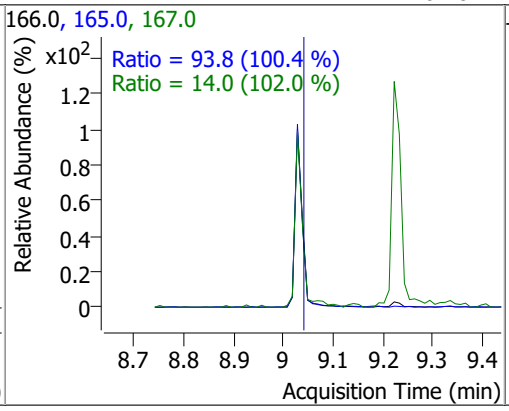


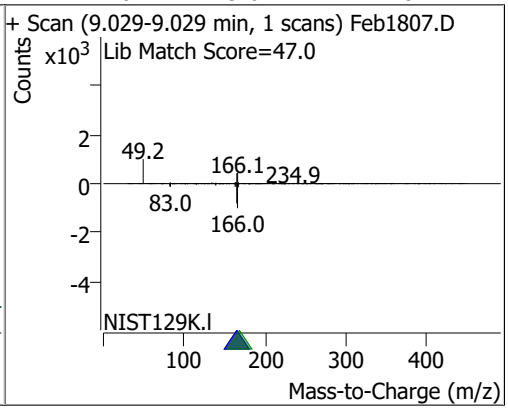




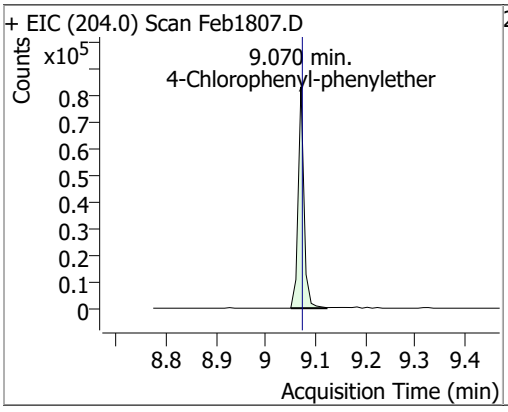
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	9.9106	9.03	-0.01	167603	165.0	93.8	65.4	121.4
					167.0	14.0	9.6	17.8

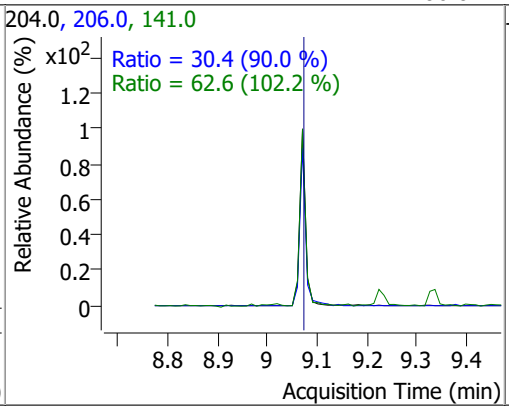


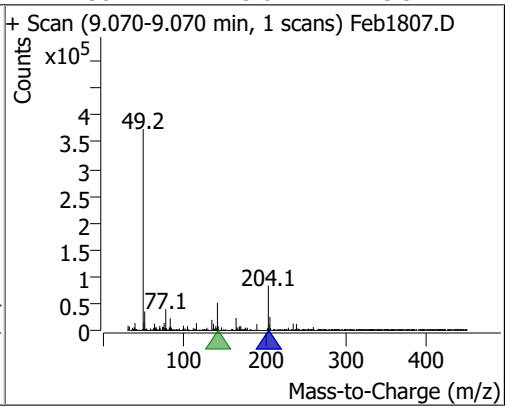




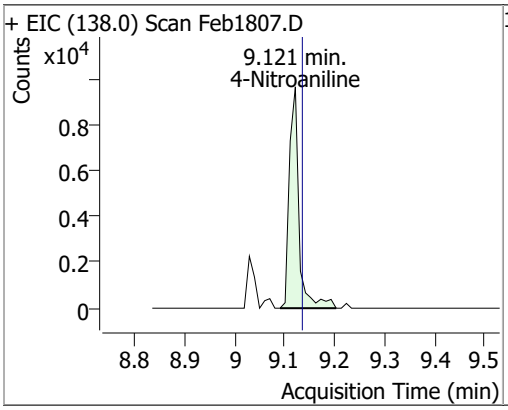
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	9.9310	9.07	0.00	67338	141.0	62.6	42.8	79.6
					206.0	30.4	23.6	43.9

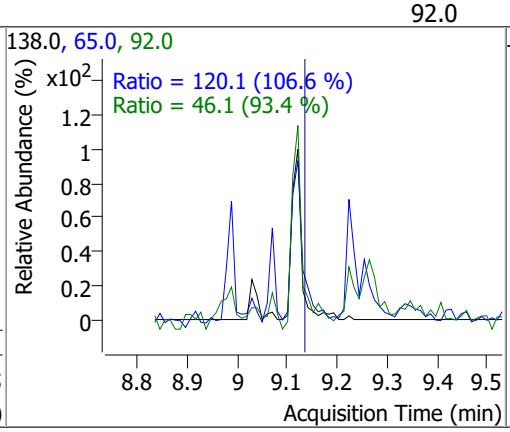


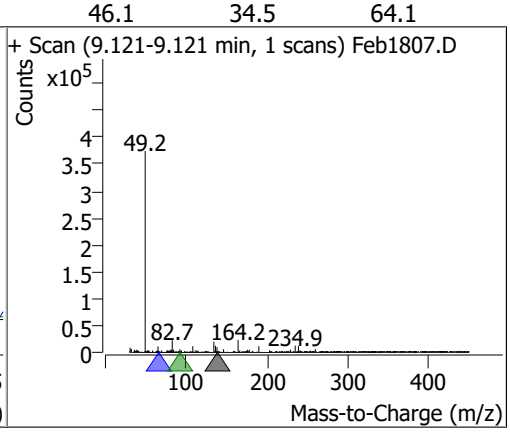




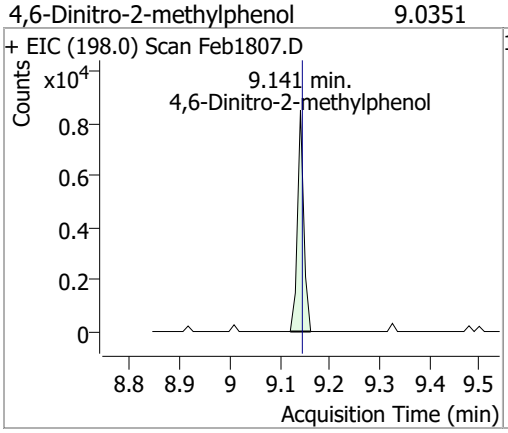
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	8.9648	9.12	-0.02	13023	65.0	120.1	78.9	146.6
					92.0	46.1	34.5	64.1

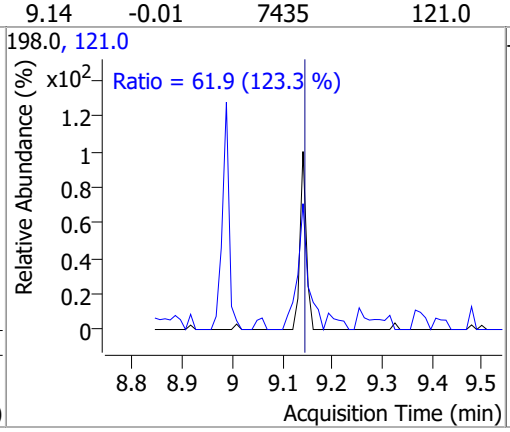


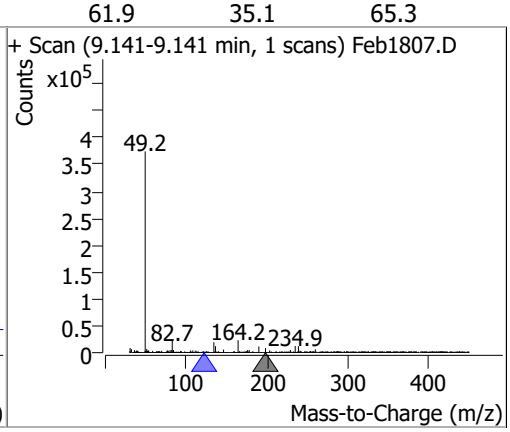




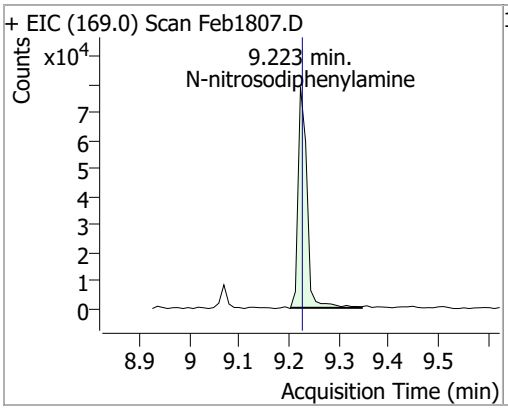
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	9.0351	9.14	-0.01	7435	121.0	61.9	35.1	65.3

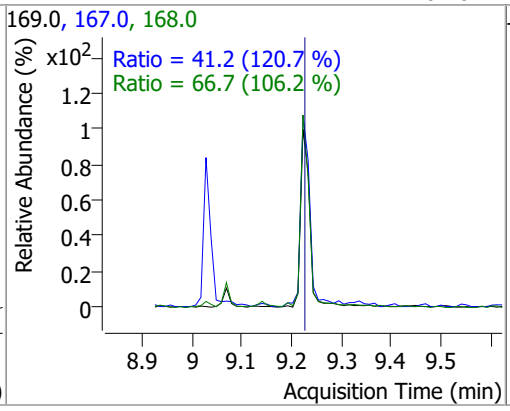


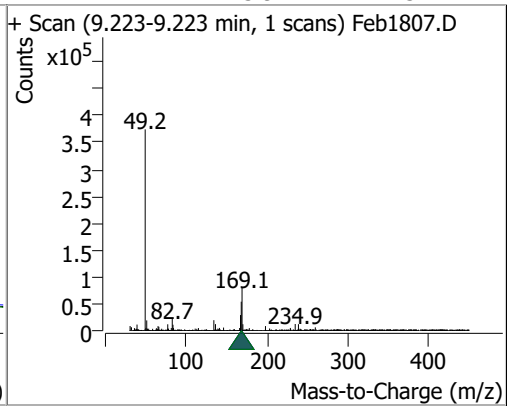




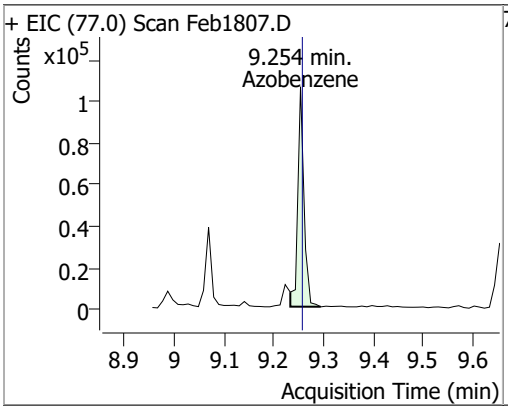
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	9.6542	9.22	-0.01	96753	168.0	66.7	44.0	81.7
					167.0	41.2	23.9	44.3

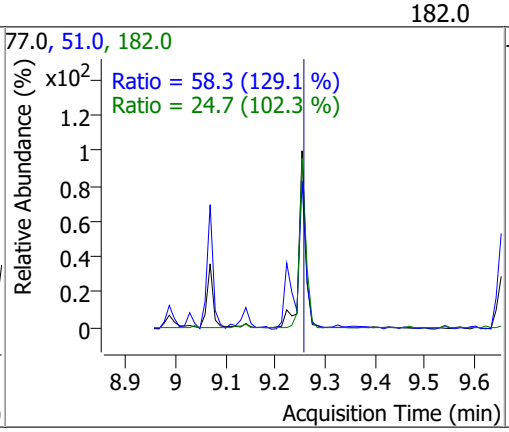


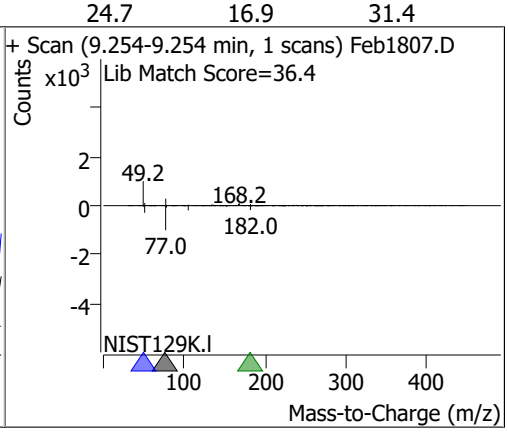




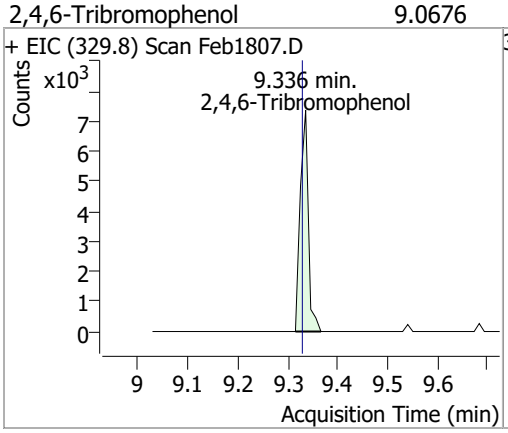
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	8.9089	9.25	-0.01	90696	51.0	58.3	31.6	58.7
					182.0	24.7	16.9	31.4

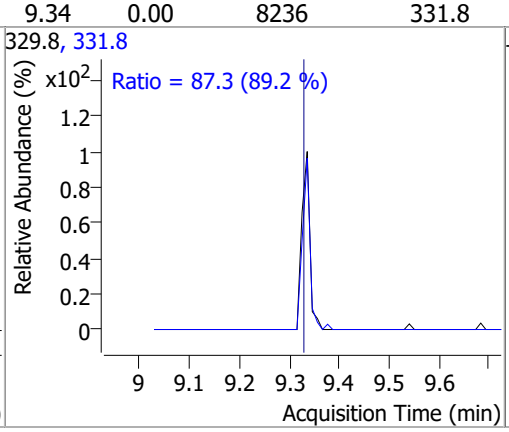


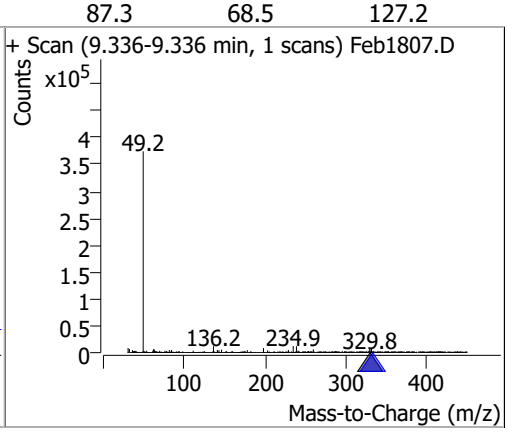




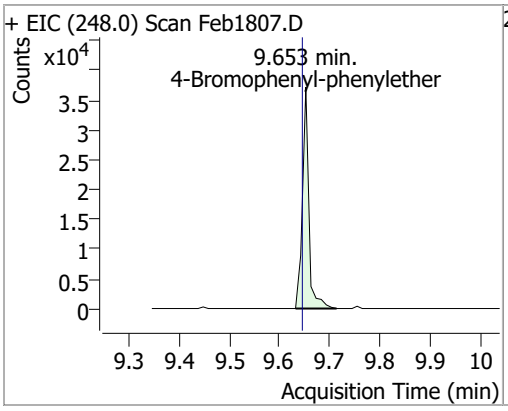
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	9.0676	9.34	0.00	8236	331.8	87.3	68.5	127.2

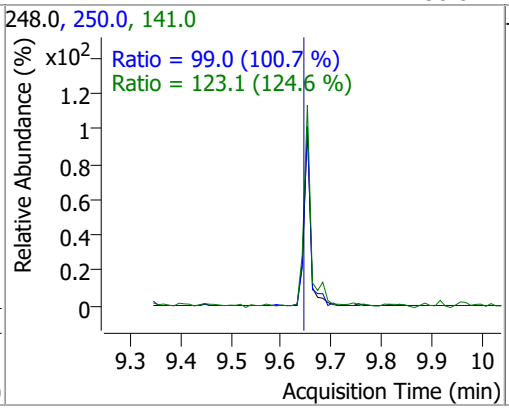


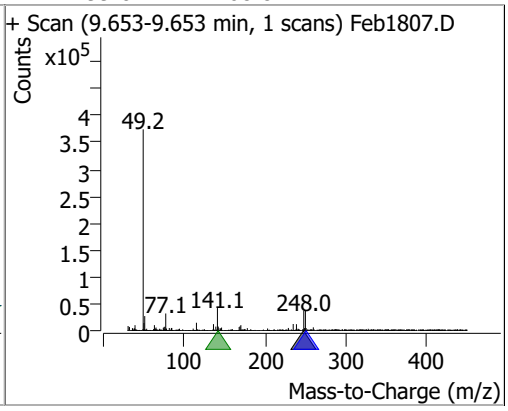




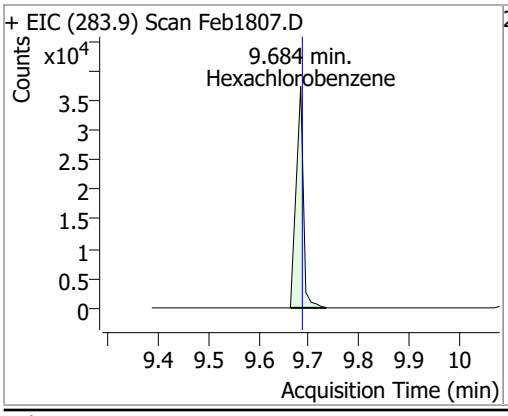
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	10.2442	9.65	0.00	33057	141.0	123.1	69.1	128.4
					250.0	99.0	68.8	127.7

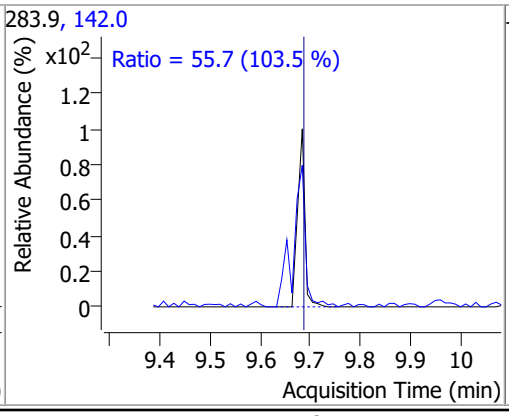


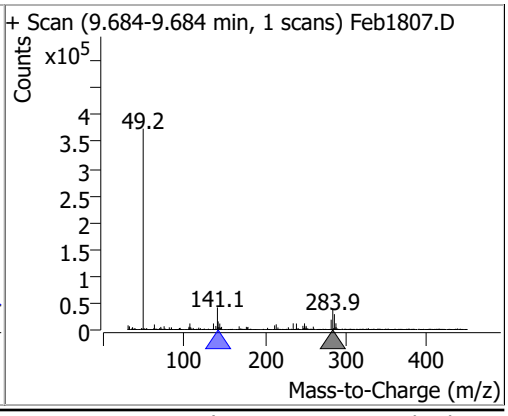




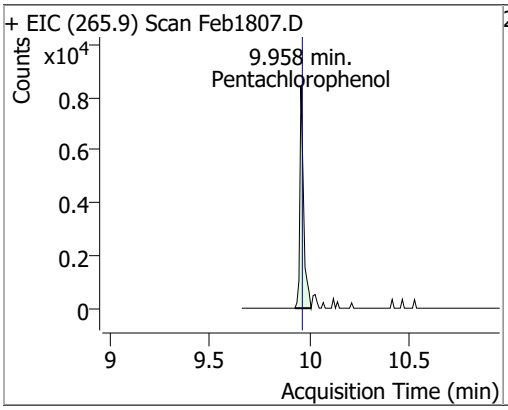
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	9.7111	9.68	-0.01	37231	142.0	55.7	37.7	70.0

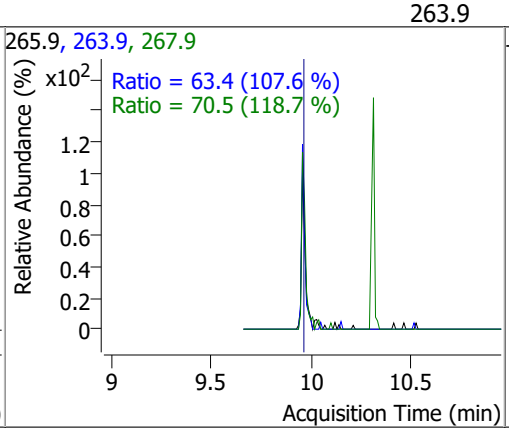


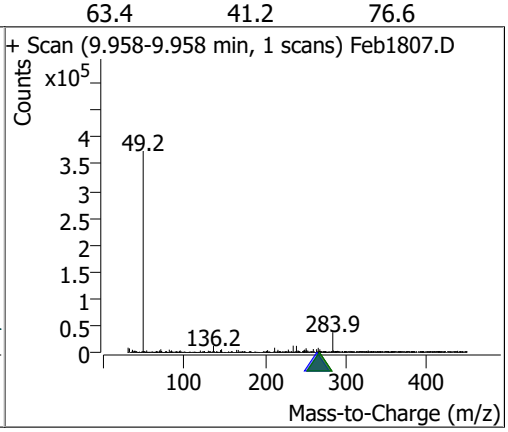




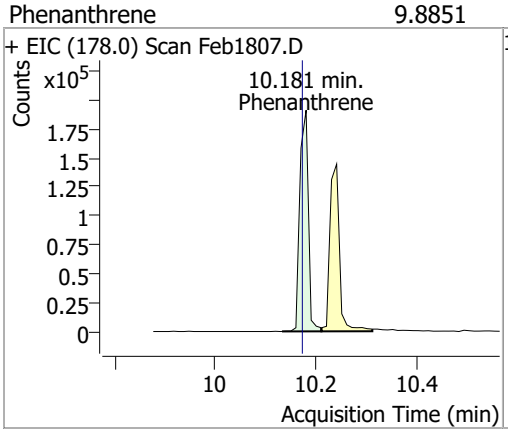
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	9.1936	9.96	-0.01	10893	267.9	70.5	41.5	77.2
					263.9	63.4	41.2	76.6

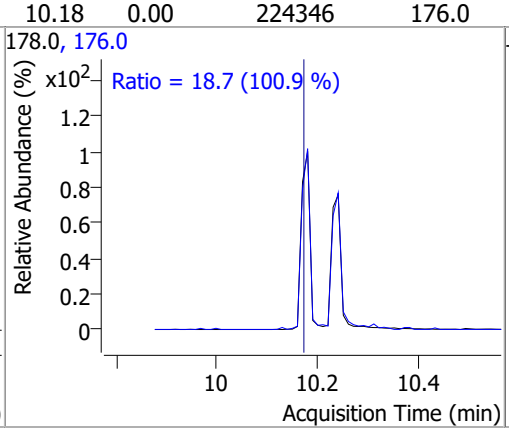


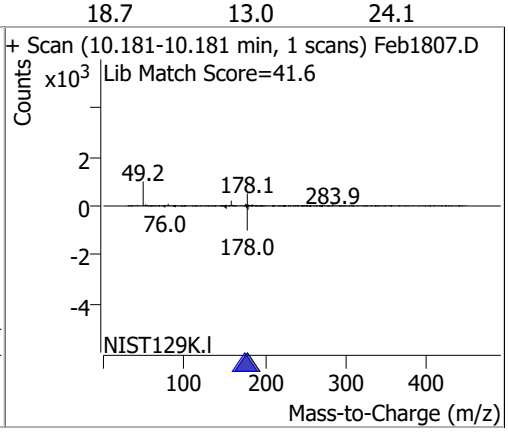




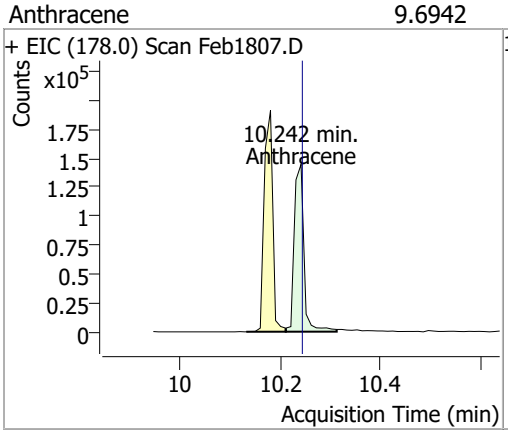
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	9.8851	10.18	0.00	224346	176.0	18.7	13.0	24.1

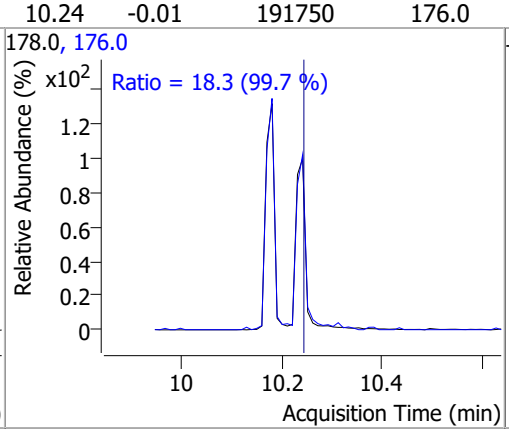


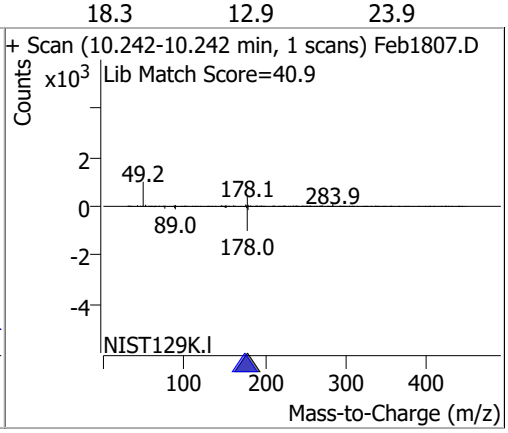




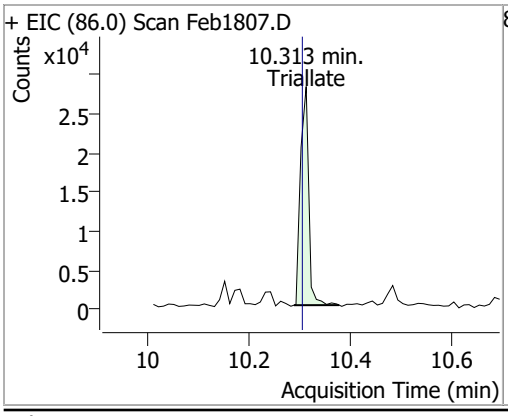
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	9.6942	10.24	-0.01	191750	176.0	18.3	12.9	23.9

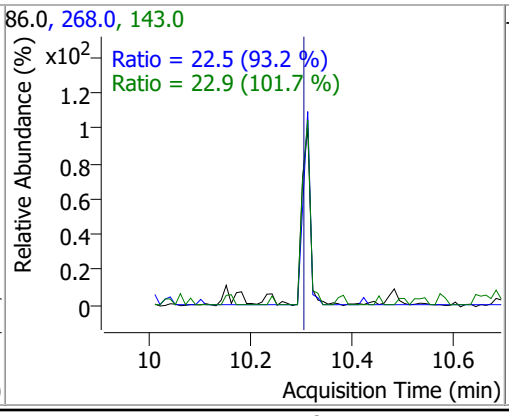


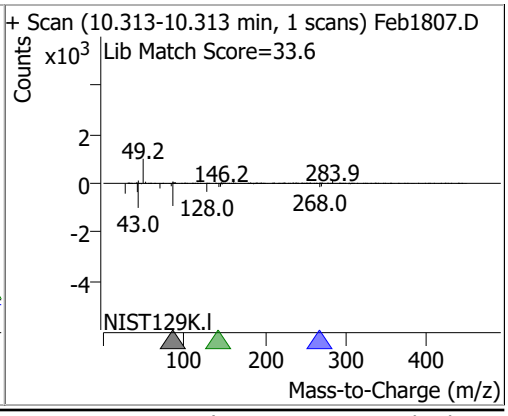




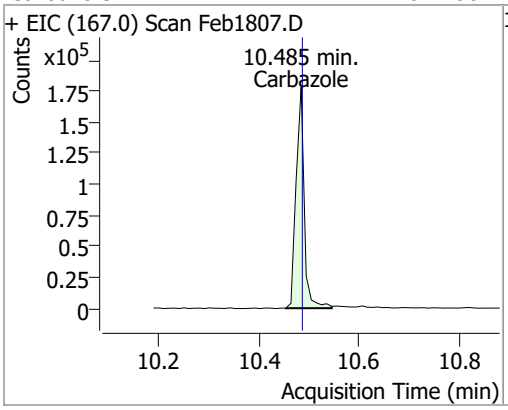
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	9.1129	10.31	0.00	31763	268.0	22.5	16.9	31.4
					143.0	22.9	15.8	29.3

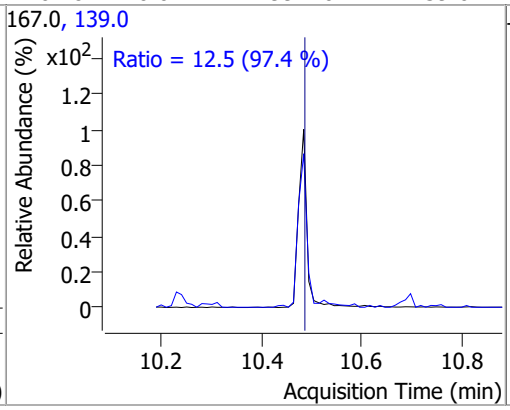


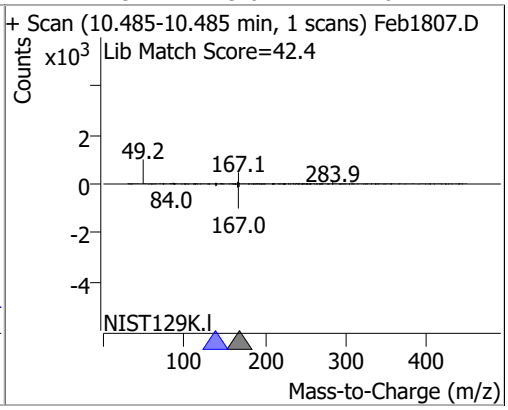




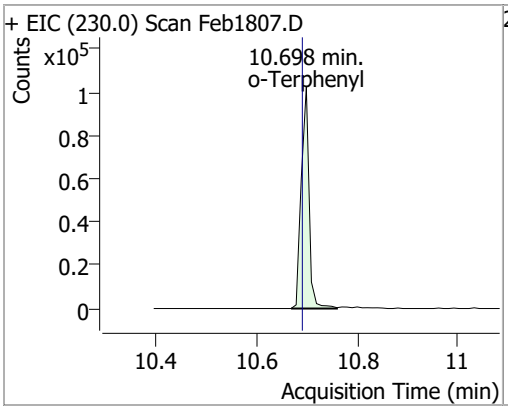
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	10.1180	10.48	-0.01	199440	139.0	12.5	9.0	16.7

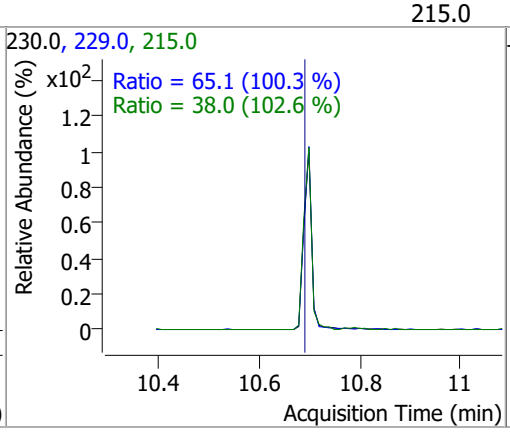


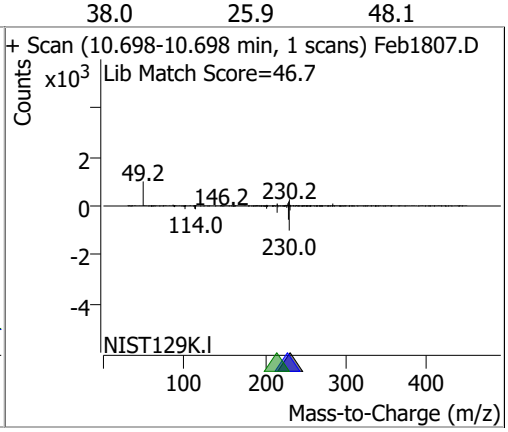




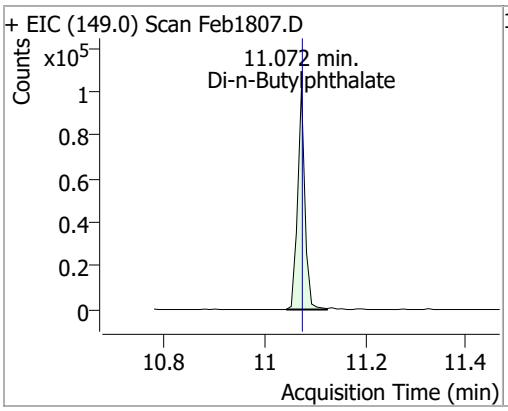
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	9.6963	10.70	0.00	111061	229.0	65.1	45.4	84.3
					215.0	38.0	25.9	48.1

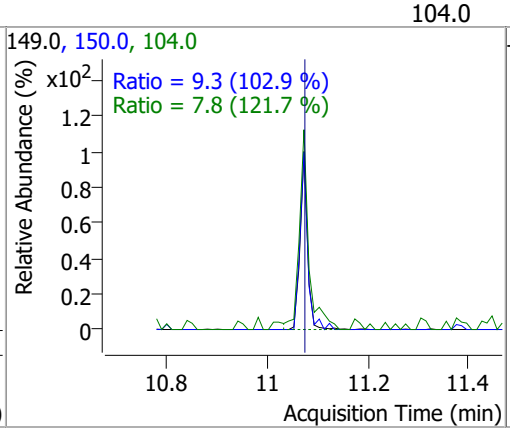


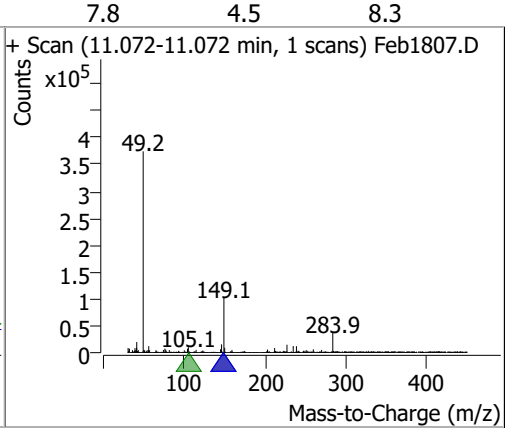




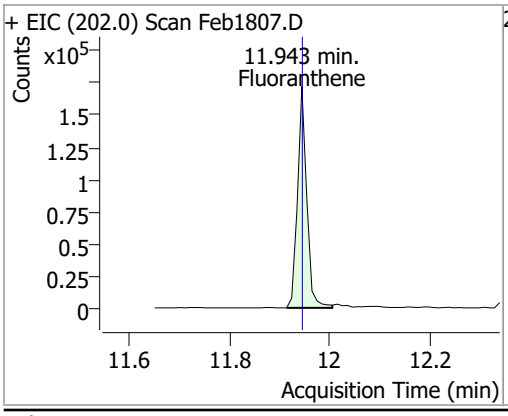
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	8.3322	11.07	-0.01	102631	150.0	9.3	6.3	11.8
					104.0	7.8	4.5	8.3

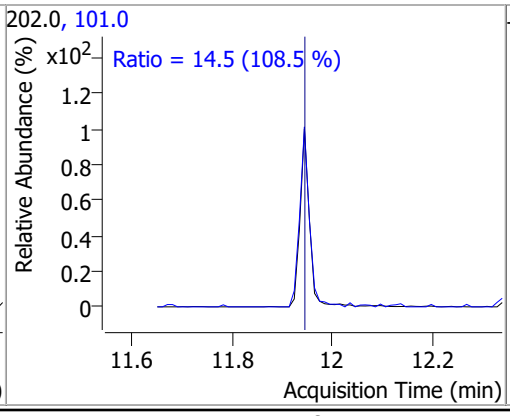


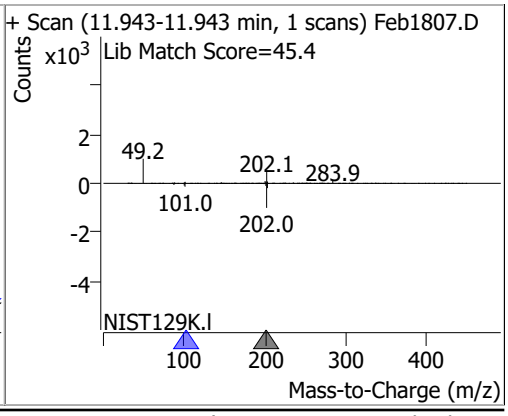




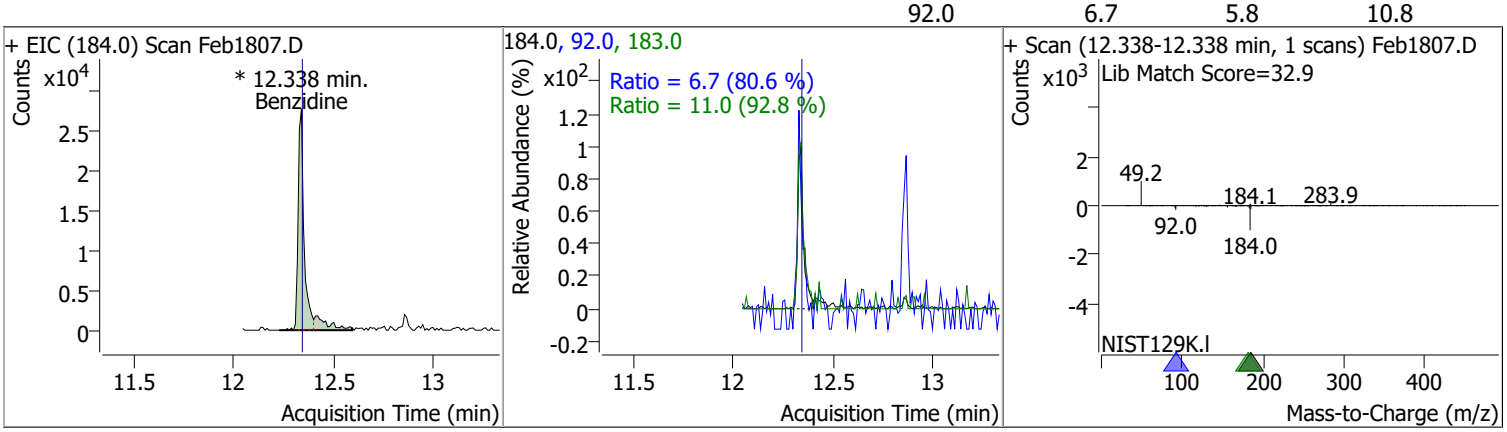
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	10.1778	11.94	-0.01	220272	101.0	14.5	9.4	17.4



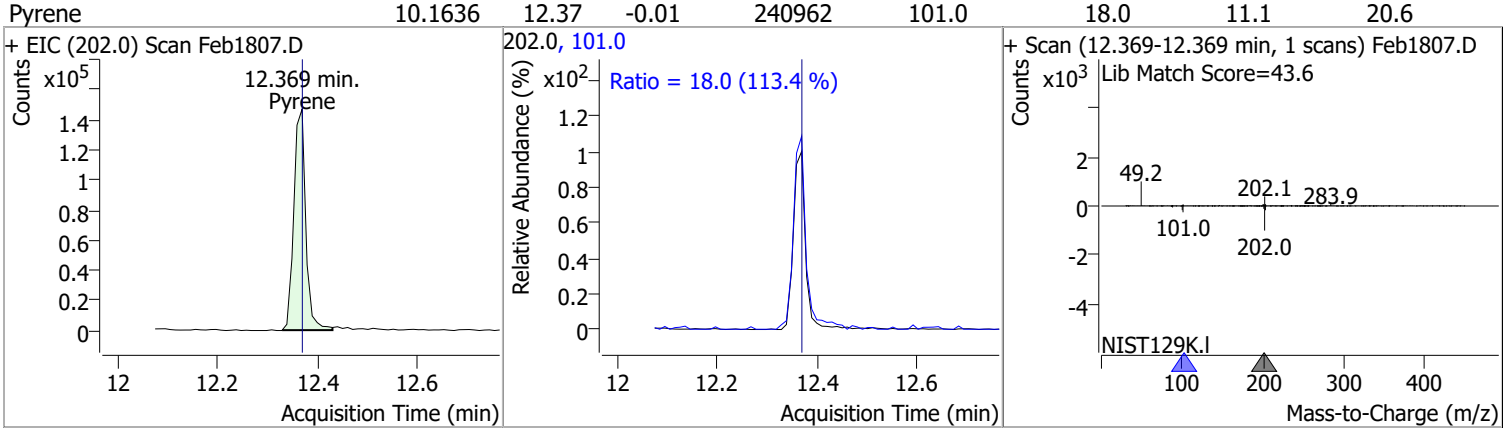




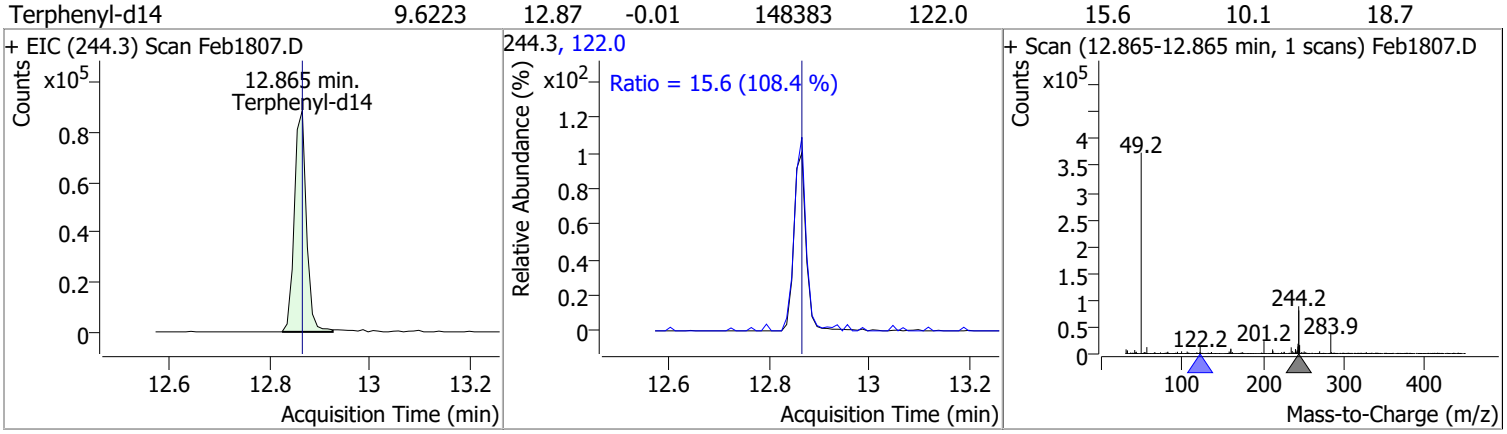
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	9.3957	12.34	-0.01	65045 (m)	183.0	11.0	8.3	15.4
					92.0	6.7	5.8	10.8



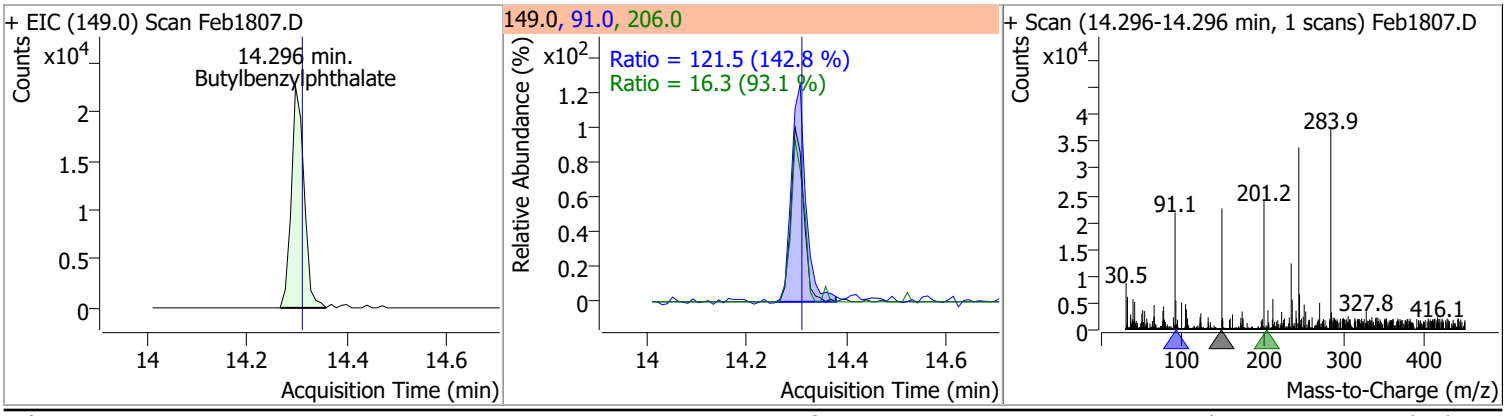
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	10.1636	12.37	-0.01	240962	101.0	18.0	11.1	20.6



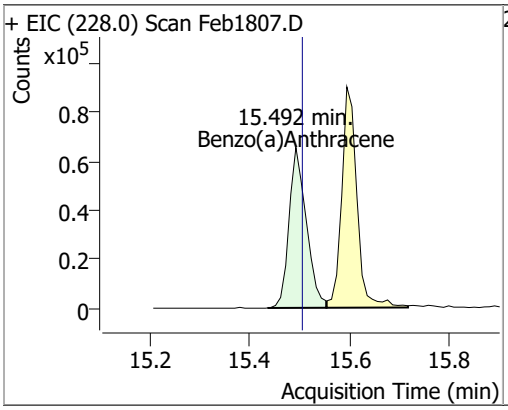
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	9.6223	12.87	-0.01	148383	122.0	15.6	10.1	18.7

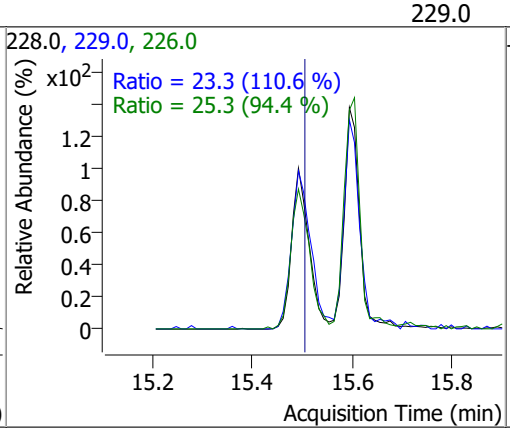


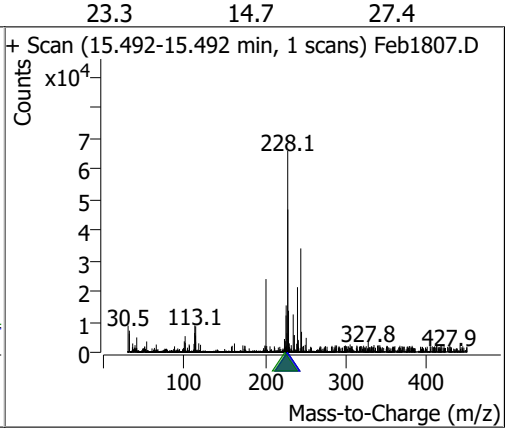
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	9.1160	14.30	-0.02	40092	91.0	121.5	59.6	110.6
					206.0	16.3	12.2	22.7



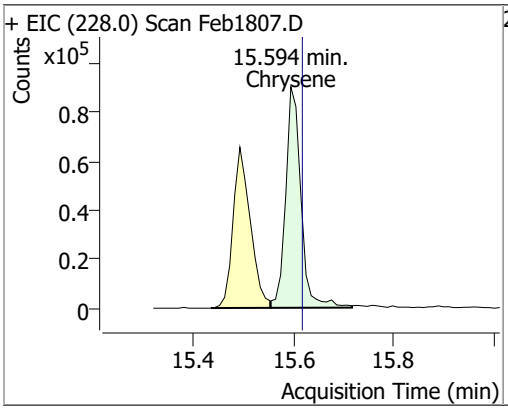
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	9.3465	15.49	-0.02	157876	226.0	25.3	18.8	34.9
					229.0	23.3	14.7	27.4

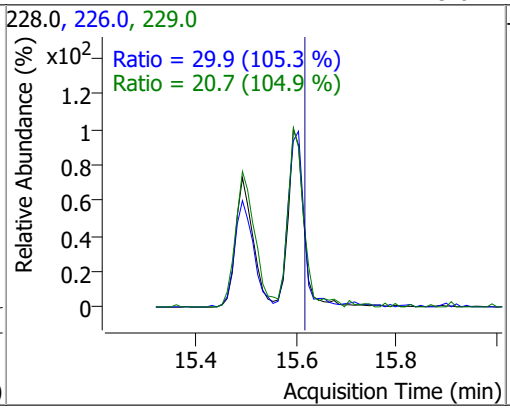


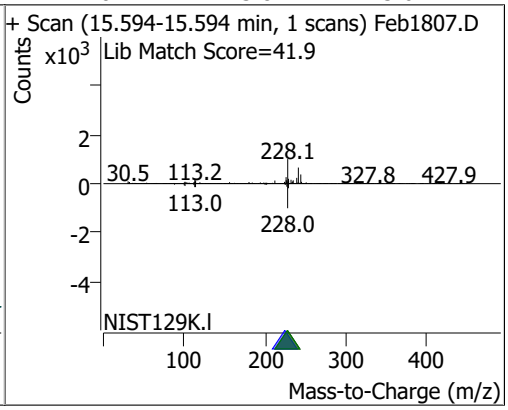




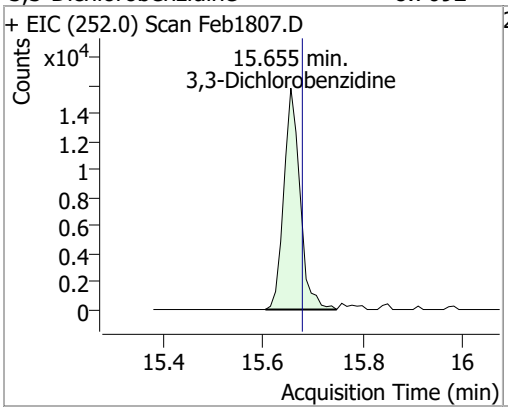
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	9.7877	15.59	-0.03	193047	226.0	29.9	19.9	36.9
					229.0	20.7	13.8	25.6

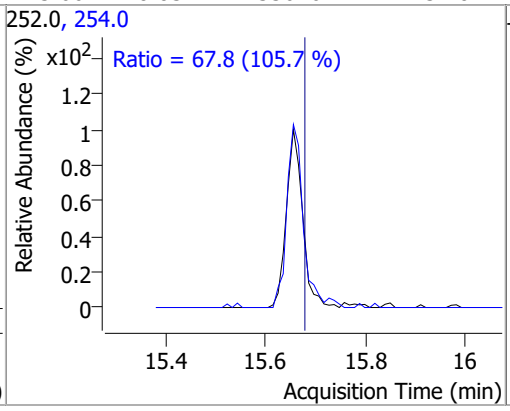


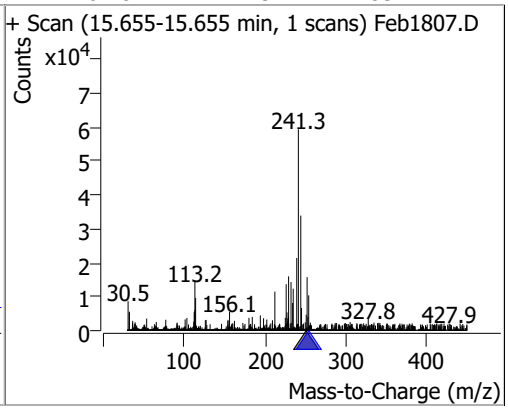




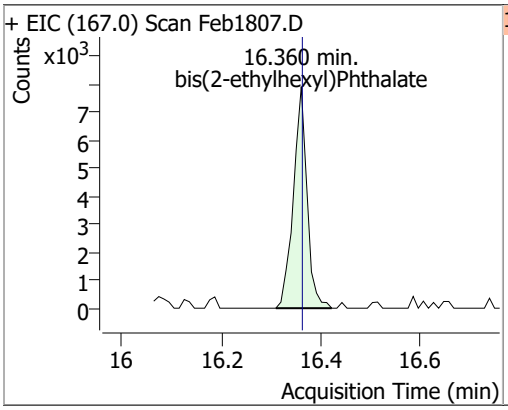
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	8.7092	15.66	-0.03	35676	254.0	67.8	44.9	83.4

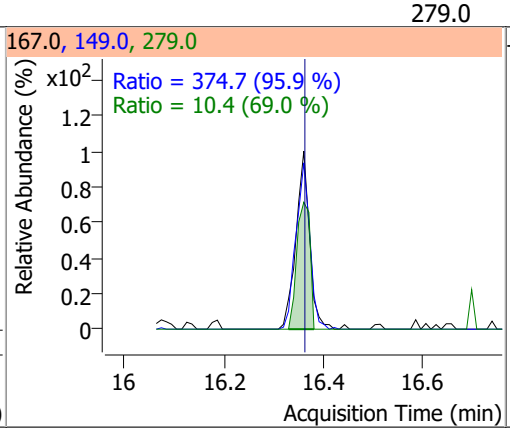


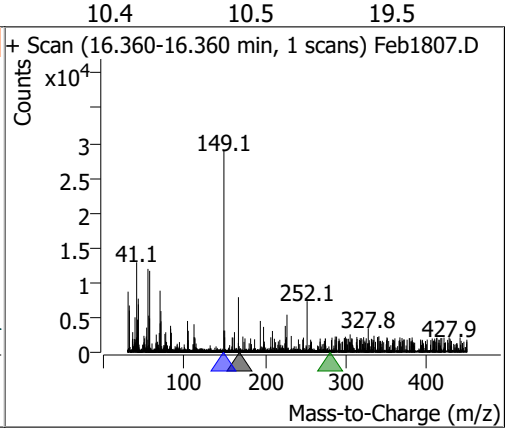




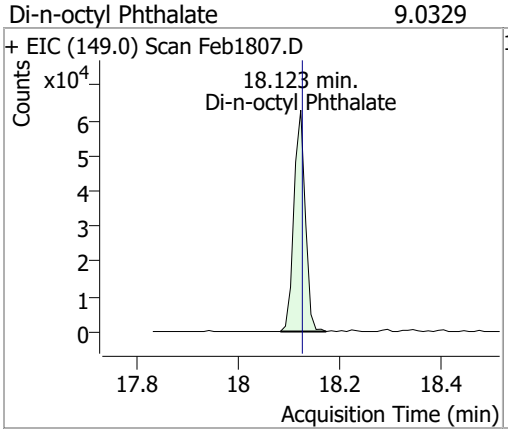
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	9.4865	16.36	-0.01	15117	149.0	374.7	273.6	508.0
					279.0	10.4	10.5	19.5

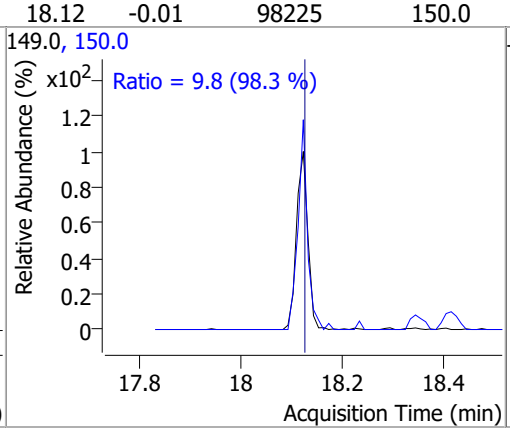


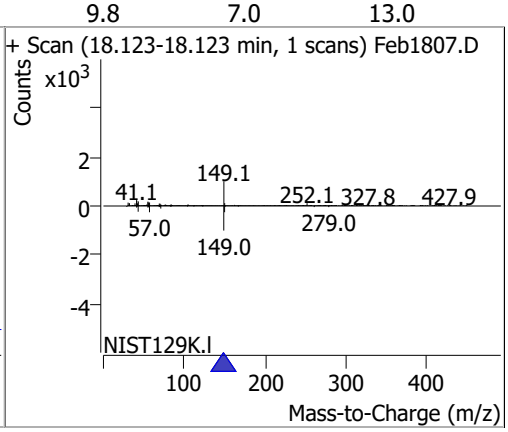




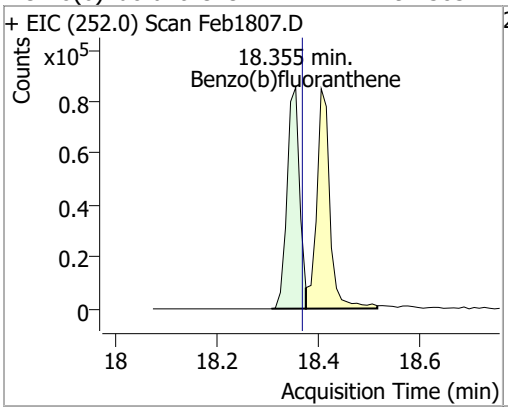
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	9.0329	18.12	-0.01	98225	150.0	9.8	7.0	13.0

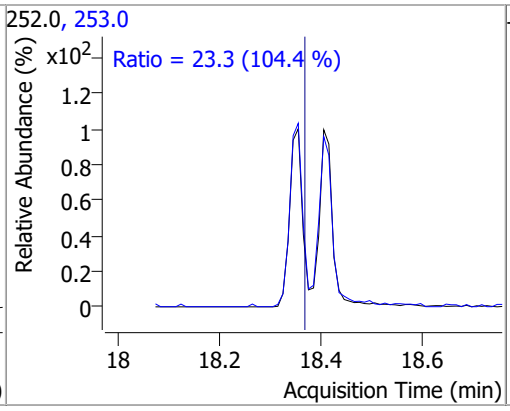


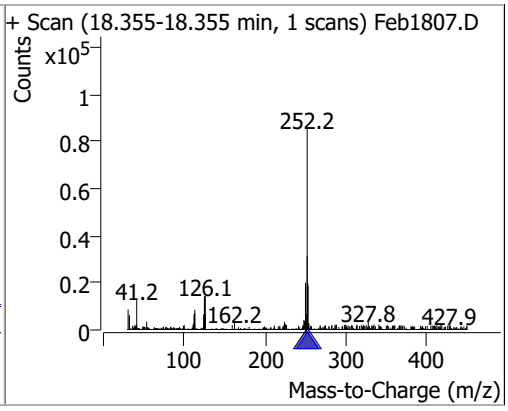




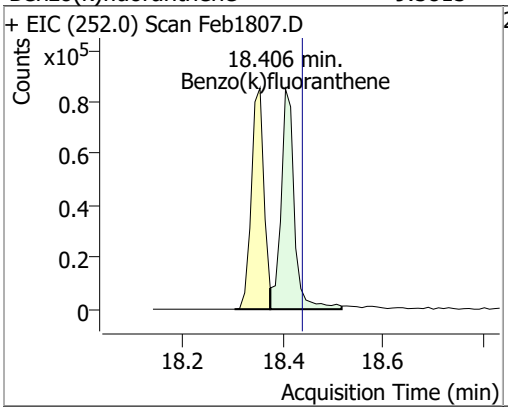
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	9.4383	18.36	-0.02	146871	253.0	23.3	15.6	29.0

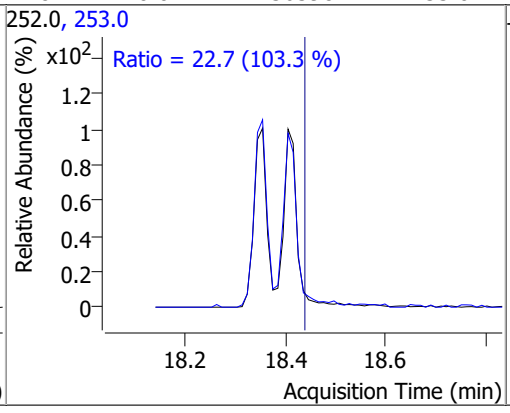


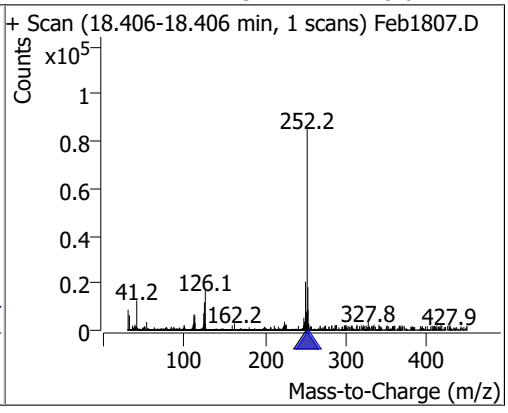




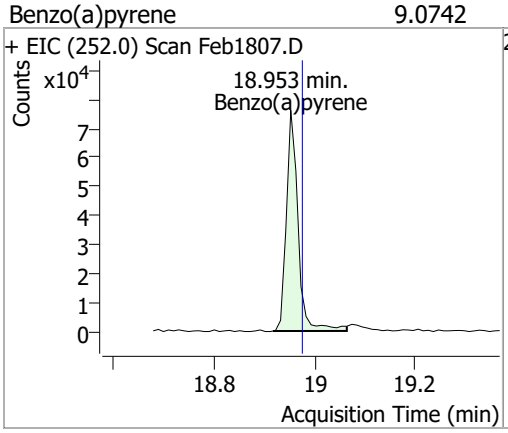
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	9.5815	18.41	-0.04	156598	253.0	22.7	15.4	28.6

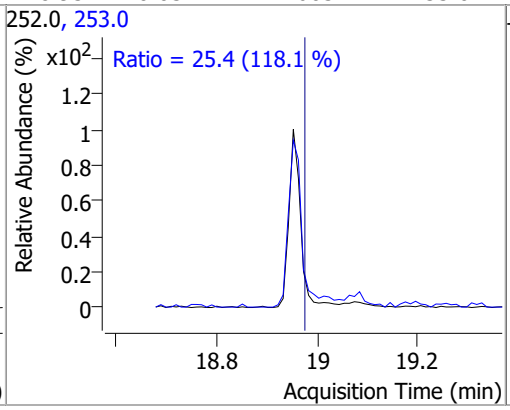


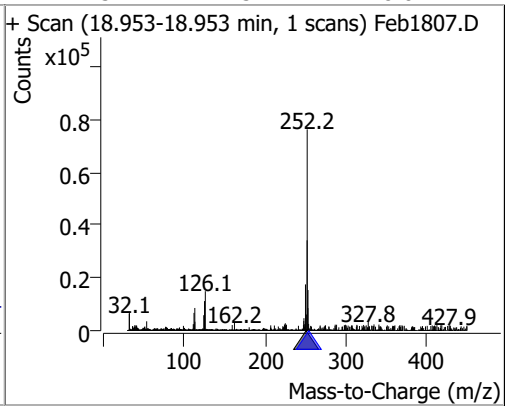




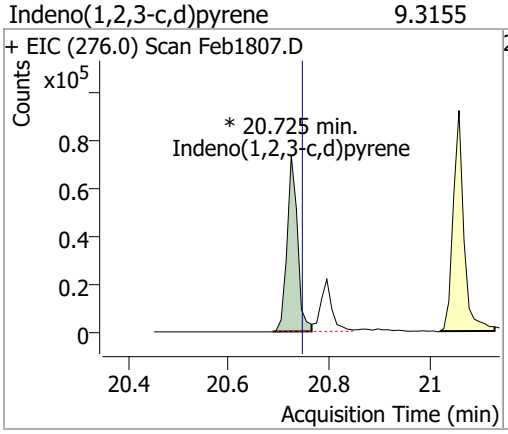
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	9.0742	18.95	-0.03	122603	253.0	25.4	15.1	28.0

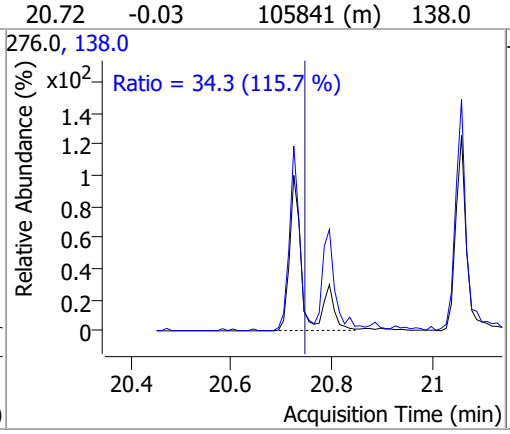


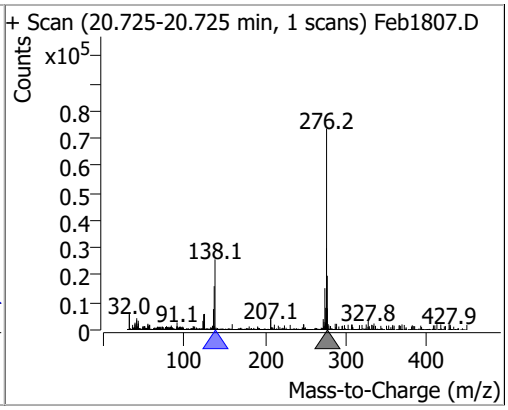




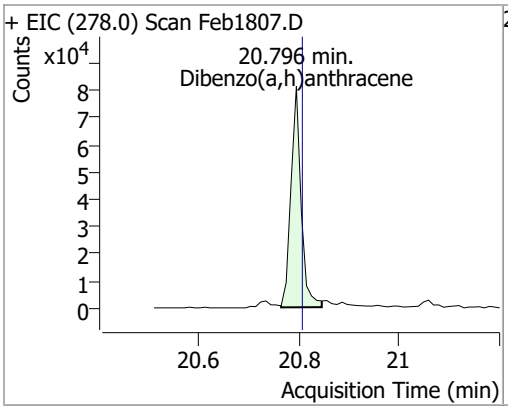
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	9.3155	20.72	-0.03	105841 (m)	138.0	34.3	20.7	38.5

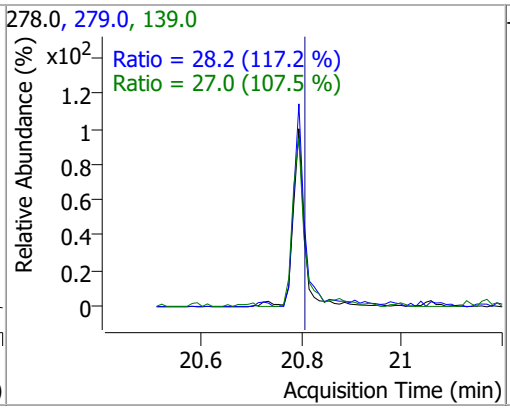


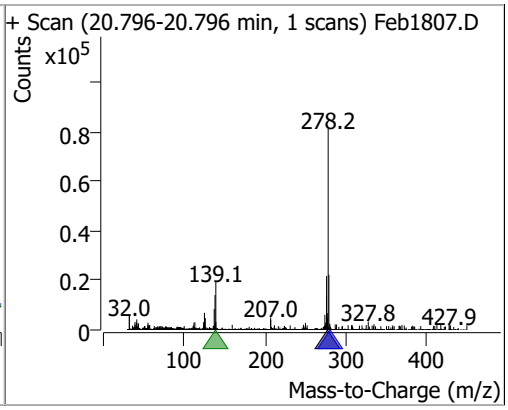




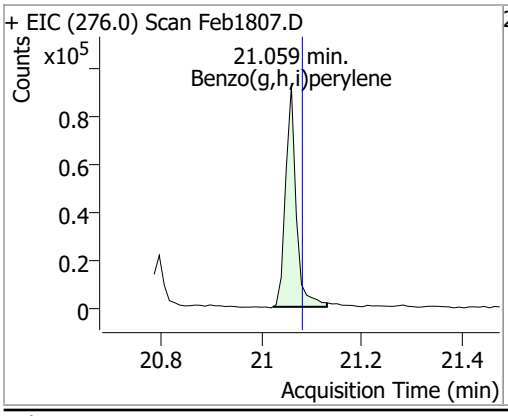
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	9.2034	20.80	-0.02	114340	139.0	27.0	17.6	32.7
					279.0	28.2	16.9	31.3

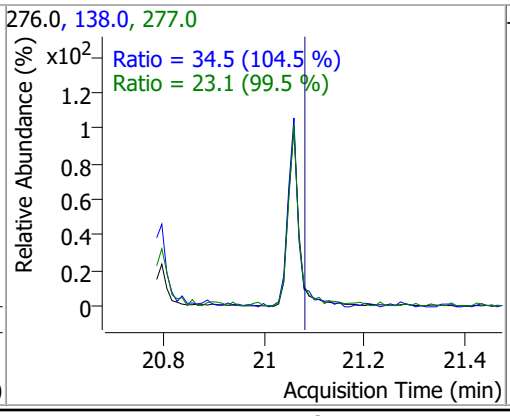


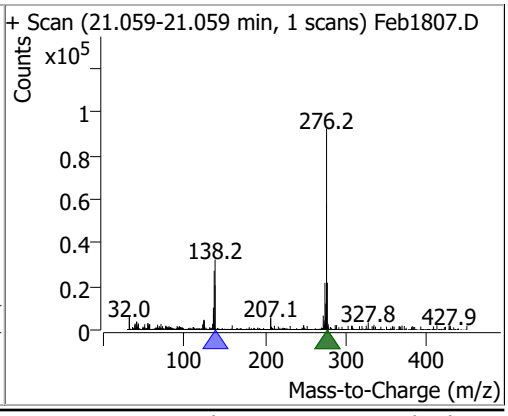




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	9.4619	21.06	-0.03	135480	138.0	34.5	23.1	42.9
					277.0	23.1	16.3	30.2

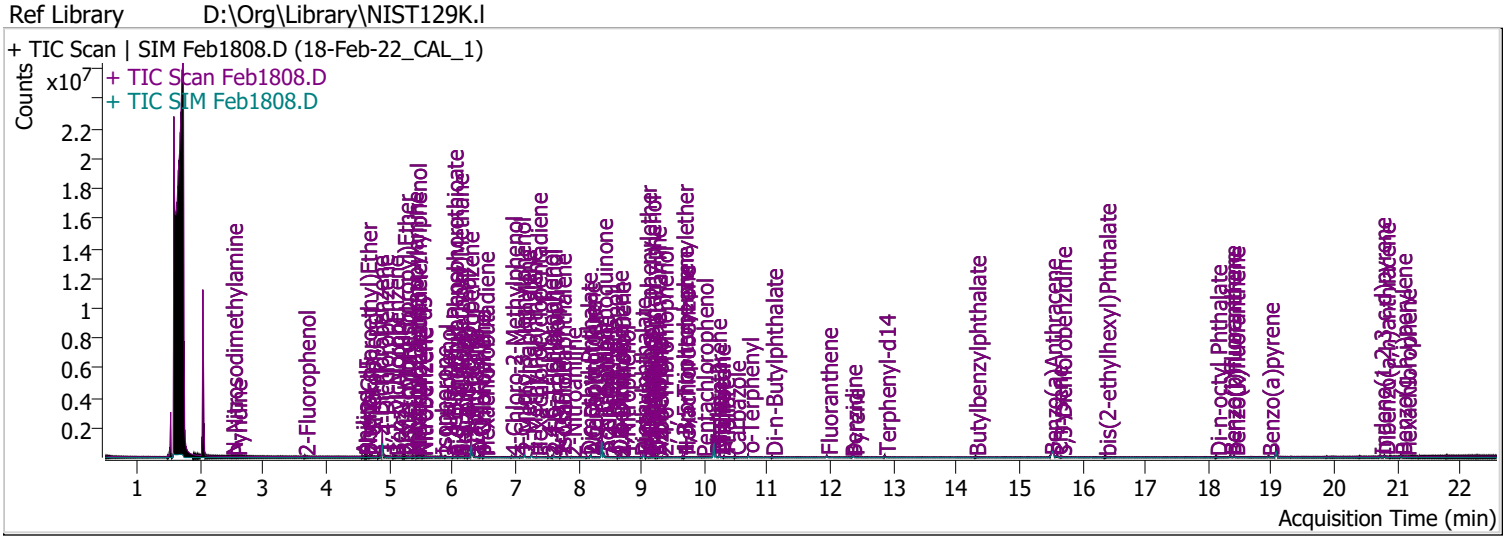






Quantitation Results Report (QT Reviewed)

Data File	Feb1808.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 11:48:03 AM
Sample Name	18-Feb-22_CAL_1	Instrument	Instrument #1
Vial	8	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



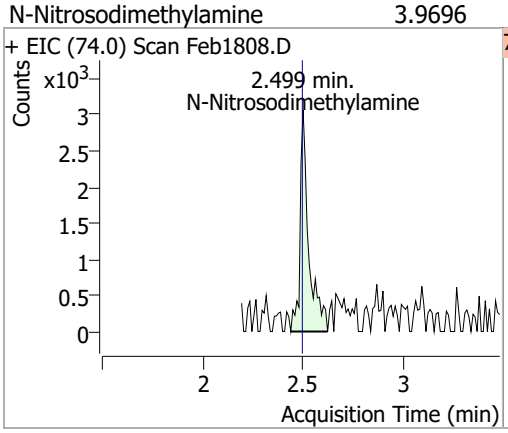
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	26516	4.3761	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 2.19%		*	
S Phenol-d5	4.613	99.0	29512	4.2259	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 2.11%		*	
S Nitrobenzene-d5	5.502	82.0	17369	4.2746	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 4.27%		*	
S 2-Fluorobiphenyl	7.605	172.0	71272	4.1003	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 4.10%		*	
S 2,4,6-Tribromophenol	9.336	329.8	3393	4.3844	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 2.19%		*	
S Terphenyl-d14	12.865	244.3	66357	4.2256	µg/L		-0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 4.23%		*	
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.499	74.0	9265	3.9696	µg/L	#	62
T Pyridine	2.571	79.0	22506	4.5499	µg/L	m	90
T Aniline	4.562	93.0	44383	4.3025	µg/L		93
T Phenol	4.624	94.0	31700	4.2318	µg/L	m	85
T bis(-2-Chloroethyl)Ether	4.634	63.0	23255	4.1942	µg/L		97
T 2-Chlorophenol	4.695	128.0	25287	4.2017	µg/L		86
T 1,3-Dichlorobenzene	4.818	146.0	47435	4.1651	µg/L		97
T 1,4-Dichlorobenzene	4.910	146.0	50173	4.2531	µg/L		92
T 1,2-Dichlorobenzene	5.063	146.0	43175	4.0801	µg/L	m	97
T Benzyl Alcohol	5.093	108.0	12526	4.4169	µg/L	m	90
T bis(2-chloroisopropyl)Ether	5.226	121.0	10403	4.2421	µg/L		91
T 2-Methylphenol	5.247	107.0	25470	4.2297	µg/L		98
T N-nitroso-Di-n-propylamine	5.369	70.0	14516	4.1739	µg/L		100
T 4Methylphenol/3Methylphenol	5.420	107.0	38326	4.4059	µg/L		96
T Hexachloroethane	5.420	117.0	12058	4.1997	µg/L		92

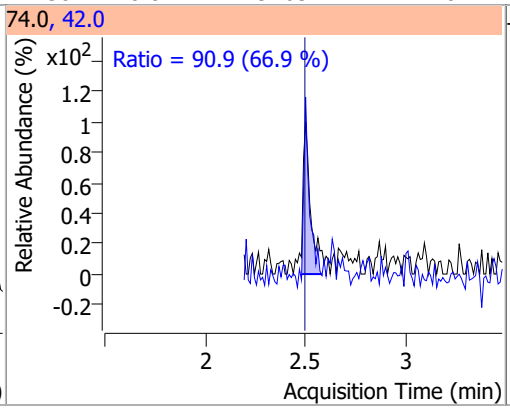
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.522	123.1	7200	4.6846	µg/L		82
T Isophorone	5.819	82.0	37781	4.4396	µg/L		98
T 2-Nitrophenol	5.880	139.0	7612	4.4863	µg/L	#	91
T 2,4-Dimethylphenol	6.003	122.0	23276	4.4772	µg/L		95
T bis(-2-Chloroethoxy)Methane	6.085	93.0	21296	4.2445	µg/L	#	87
T 2,4-Dichlorophenol	6.198	162.0	17657	4.3107	µg/L		96
T Benzoic Acid	6.136	105.0	9103	4.6830	µg/L	m	98
T 1,2,4-Trichlorobenzene	6.249	180.0	27847	4.1540	µg/L		96
T Naphthalene	6.321	128.0	94125	4.2231	µg/L		96
T 4-Chlorophenol	6.424	130.0	9877	3.9595	µg/L	m	70
T p-Chloroaniline	6.434	127.0	30624	4.3289	µg/L		94
T Hexachlorobutadiene	6.496	224.9	14423	4.2318	µg/L		89
T 4-Chloro-2-Methylphenol	6.937	107.0	21228	4.2432	µg/L		88
T 4-Chloro-3-Methylphenol	7.071	107.0	24488	4.3556	µg/L		97
T 2-Methylnaphthalene	7.143	141.0	56026	3.8205	µg/L		96
T 1-Methylnaphthalene	7.256	141.0	56205	3.8746	µg/L	m	94
T Hexachlorocyclopentadiene	7.338	236.9	4224	4.4930	µg/L		90
T 2,4,6-Trichlorophenol	7.512	196.0	9233	4.5098	µg/L	m	95
T 2,4,5-Trichlorophenol	7.574	196.0	13593	4.4335	µg/L		92
T 2-Chloronaphthalene	7.718	162.0	54021	4.0007	µg/L		97
T 2-Nitroaniline	7.882	65.0	6068	4.7042	µg/L		80
T Dimethyl Phthalate	8.129	163.0	34888	4.5831	µg/L	#	86
T 2,6-Dinitrotoluene	8.180	165.0	4514	4.4592	µg/L	#	69
T Acenaphthylene	8.200	152.1	79350	4.1382	µg/L		91
T 3-Nitroaniline	8.384	138.0	4377	4.6024	µg/L	#	12
T Acenaphthene	8.405	154.0	55213	4.0797	µg/L		98
T 2,4-Dinitrophenol	8.528	184.0	616	4.5942	µg/L	#m	1
T Dibenzofuran	8.620	168.0	88427	4.2555	µg/L		92
T 2,4-Dinitrotoluene	8.661	165.0	6380	4.5965	µg/L		92
T 4-Nitrophenol	8.732	109.0	3924	4.3354	µg/L	#m	78
T Diethylphthalate	8.988	149.0	28496	4.5494	µg/L		95
T Fluorene	9.029	166.0	72029	4.0050	µg/L		97
T 4-Chlorophenyl-phenylether	9.070	204.0	27305	4.1666	µg/L		95
T 4-Nitroaniline	9.121	138.0	3692	4.5119	µg/L	#	59
T 4,6-Dinitro-2-methylphenol	9.141	198.0	2191	4.3810	µg/L		93
T N-nitrosodiphenylamine	9.223	169.0	43107	4.1405	µg/L		92
T Azobenzene	9.254	77.0	33003	4.3215	µg/L		95
T 4-Bromophenyl-phenylether	9.653	248.0	11110	3.9074	µg/L	#	57
T Hexachlorobenzene	9.684	283.9	15953	4.2137	µg/L	#	50
T Pentachlorophenol	9.968	265.9	3504	4.3365	µg/L	#	82
T Phenanthrene	10.181	178.0	99605	4.1191	µg/L		96
T Anthracene	10.242	178.0	78978	3.9209	µg/L		98
T Triallate	10.313	86.0	11113	4.3118	µg/L	#	89
T Carbazole	10.485	167.0	78288	3.9681	µg/L		96
T o-Terphenyl	10.698	230.0	49755	4.1955	µg/L		98
T Di-n-Butylphthalate	11.072	149.0	40976	4.6518	µg/L	#	96
T Fluoranthene	11.943	202.0	93335	3.9622	µg/L		98
T Benzidine	12.328	184.0	22030	4.2042	µg/L	#	89
T Pyrene	12.369	202.0	100018	3.9475	µg/L		100
T Butylbenzylphthalate	14.296	149.0	16114	4.4368	µg/L	#	65
T Benzo(a)Anthracene	15.492	228.0	66223	3.8821	µg/L		97
T Chrysene	15.594	228.0	83685	4.1164	µg/L		98
T 3,3-Dichlorobenzidine	15.655	252.0	12724	4.5577	µg/L		94
T bis(2-ethylhexyl)Phthalate	16.360	167.0	6272	4.2962	µg/L		97
T Di-n-octyl Phthalate	18.123	149.0	42821	4.4834	µg/L		99

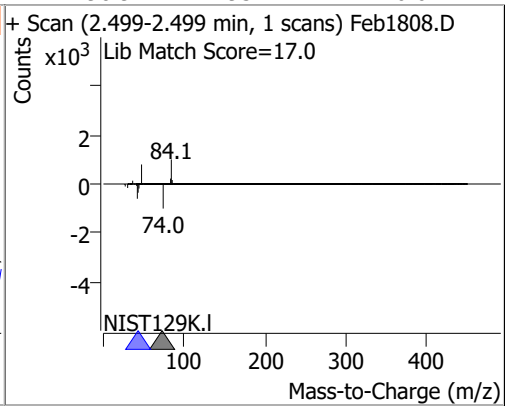
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(b)fluoranthene	18.345	252.0	57119	4.2415	µg/L		91
T Benzo(k)fluoranthene	18.406	252.0	61699	4.1837	µg/L		88
T Benzo(a)pyrene	18.953	252.0	46309	4.3474	µg/L	#	85
T Indeno(1,2,3-c,d)pyrene	20.725	276.0	37542	4.3025	µg/L		85
T Dibenzo(a,h)anthracene	20.796	278.0	43122	4.3328	µg/L	#	88
T Benzo(g,h,i)perylene	21.059	276.0	55564	4.2432	µg/L		93

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

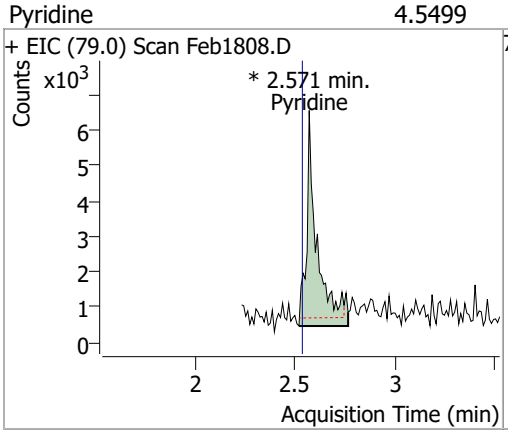
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	3.9696	2.50	0.01	9265	42.0	90.9	95.1	176.6

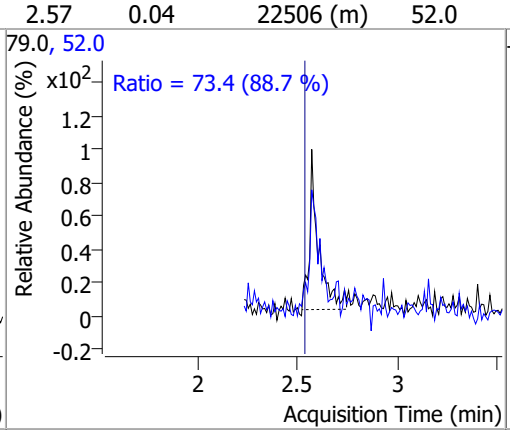


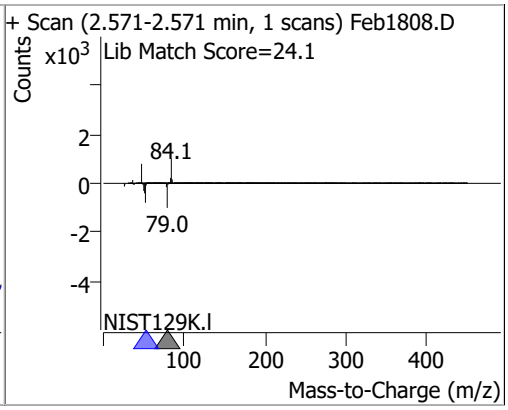




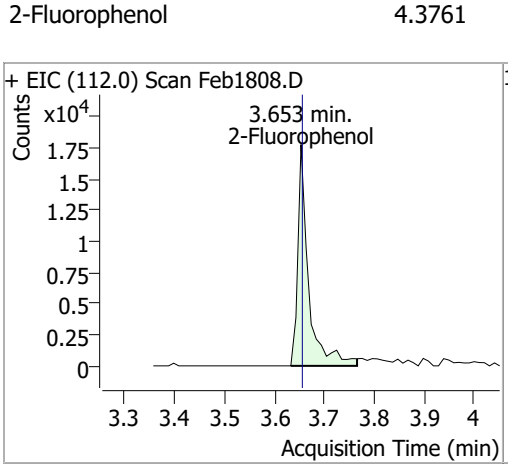
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	4.5499	2.57	0.04	22506 (m)	52.0	73.4	57.9	107.6

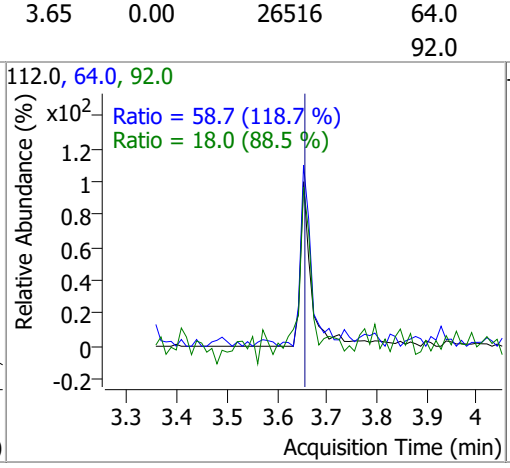


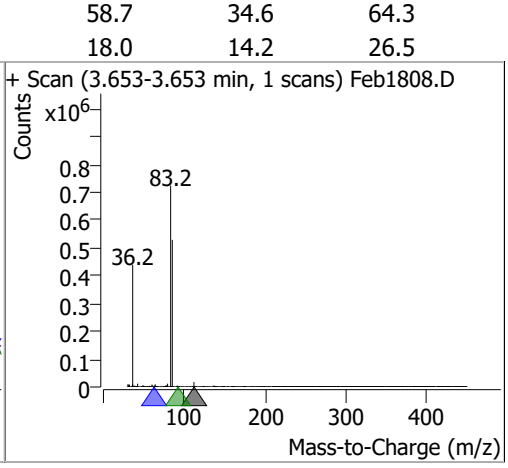




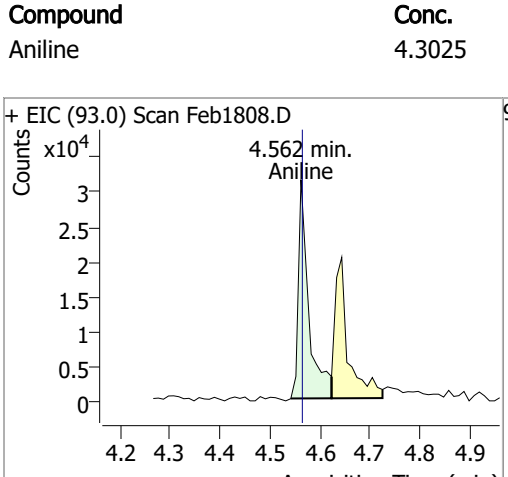
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	4.3761	3.65	0.00	26516	64.0	58.7	34.6	64.3
					92.0	18.0	14.2	26.5

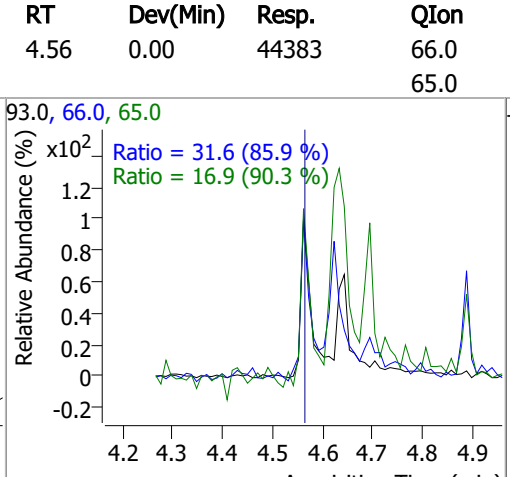


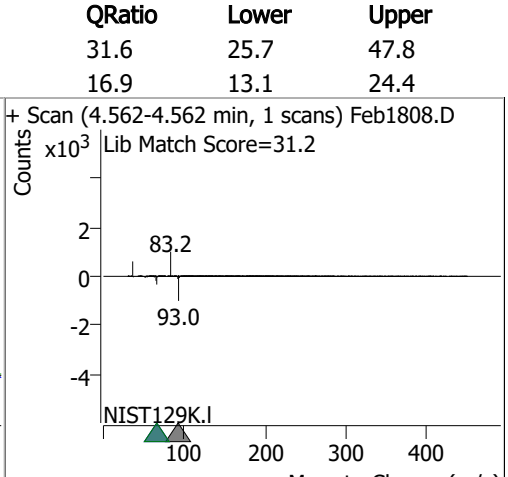




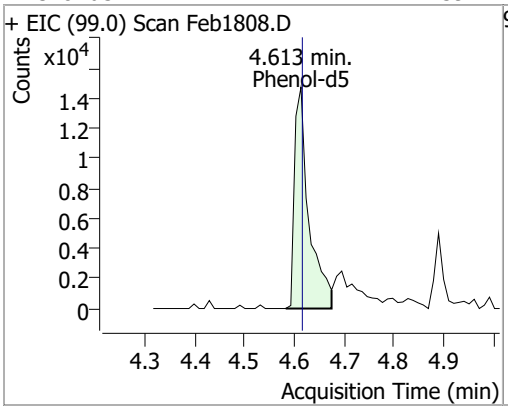
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	4.3025	4.56	0.00	44383	66.0	31.6	25.7	47.8
					65.0	16.9	13.1	24.4

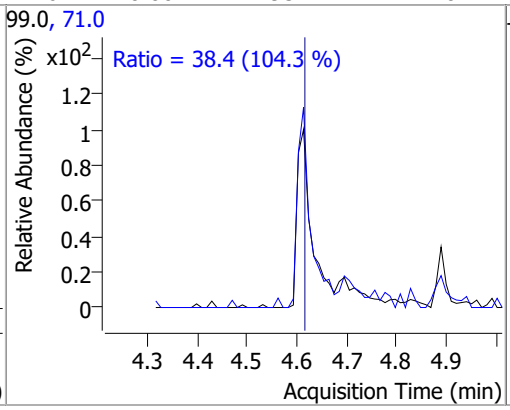


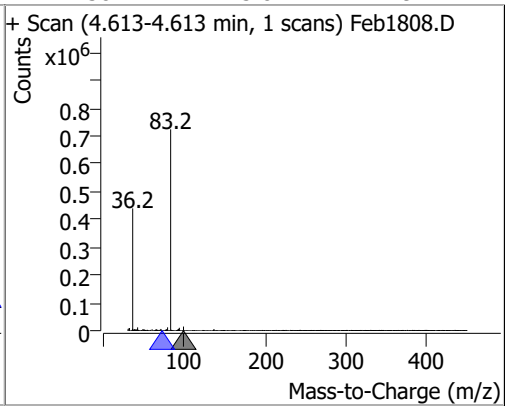




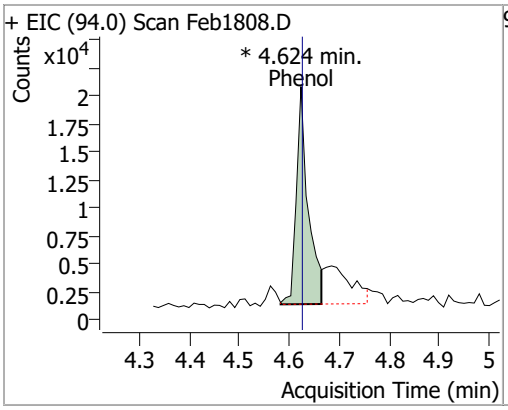
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	4.2259	4.61	0.00	29512	71.0	38.4	25.8	47.9

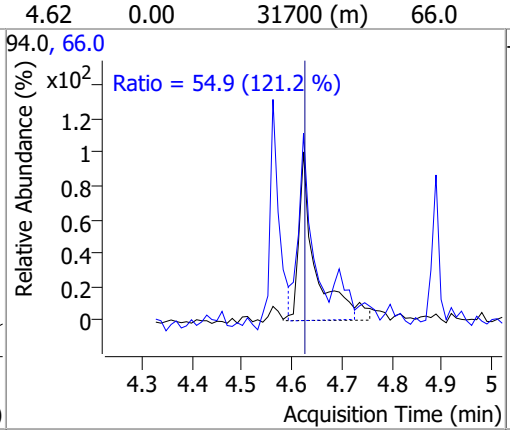


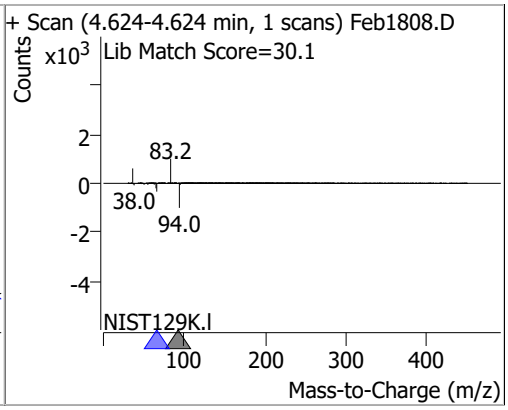




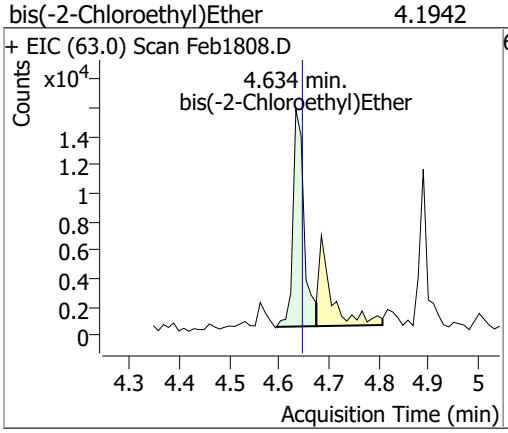
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	4.2318	4.62	0.00	31700 (m)	66.0	54.9	31.7	58.9

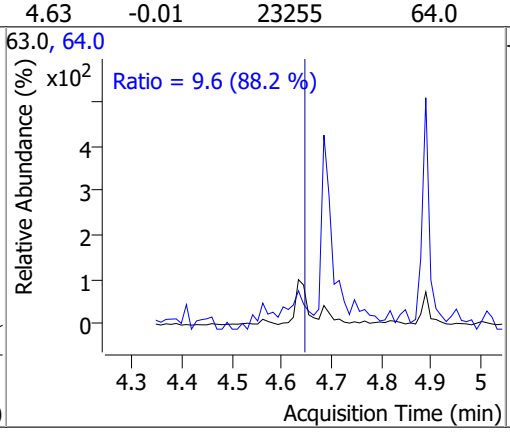


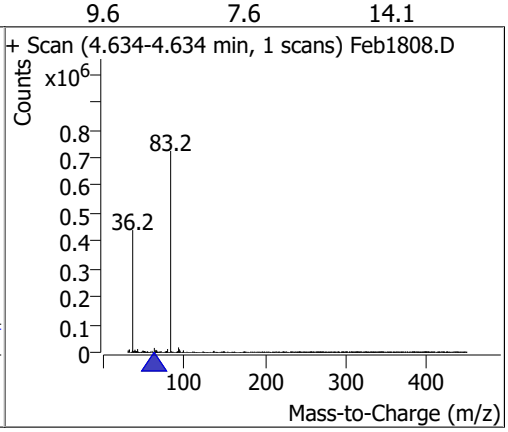




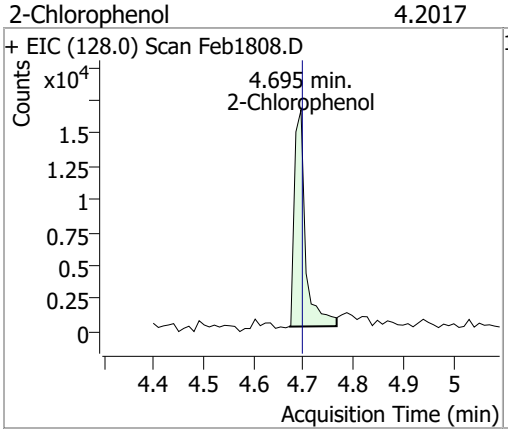
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	4.1942	4.63	-0.01	23255	64.0	9.6	7.6	14.1

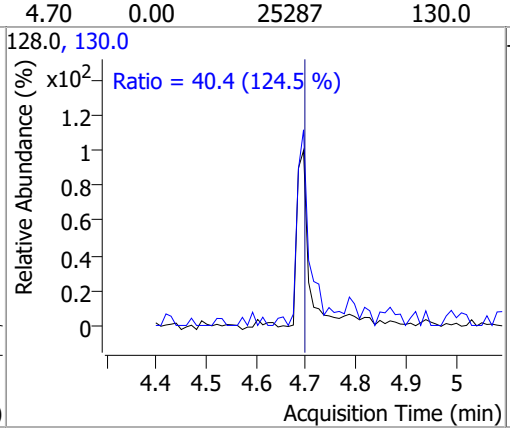


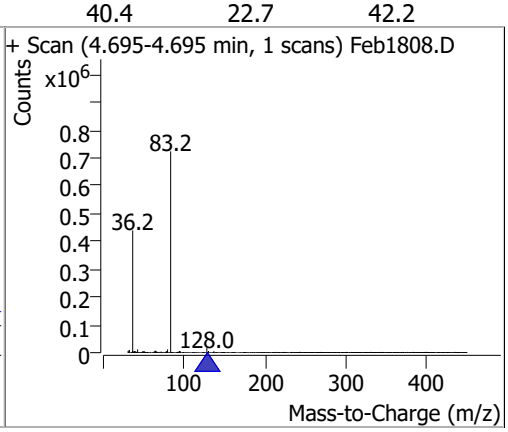




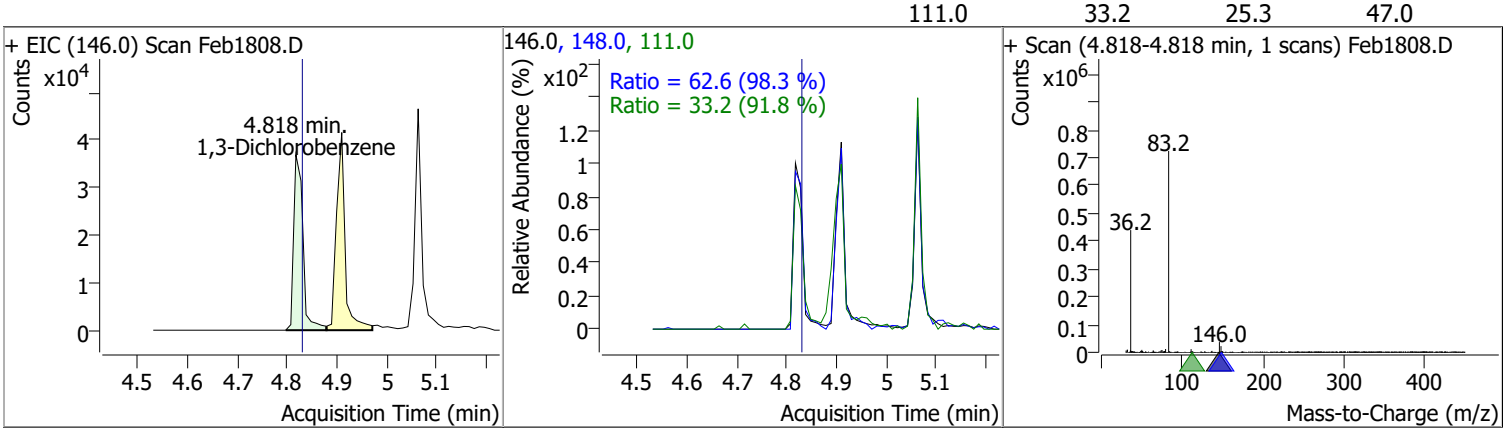
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	4.2017	4.70	0.00	25287	130.0	40.4	22.7	42.2



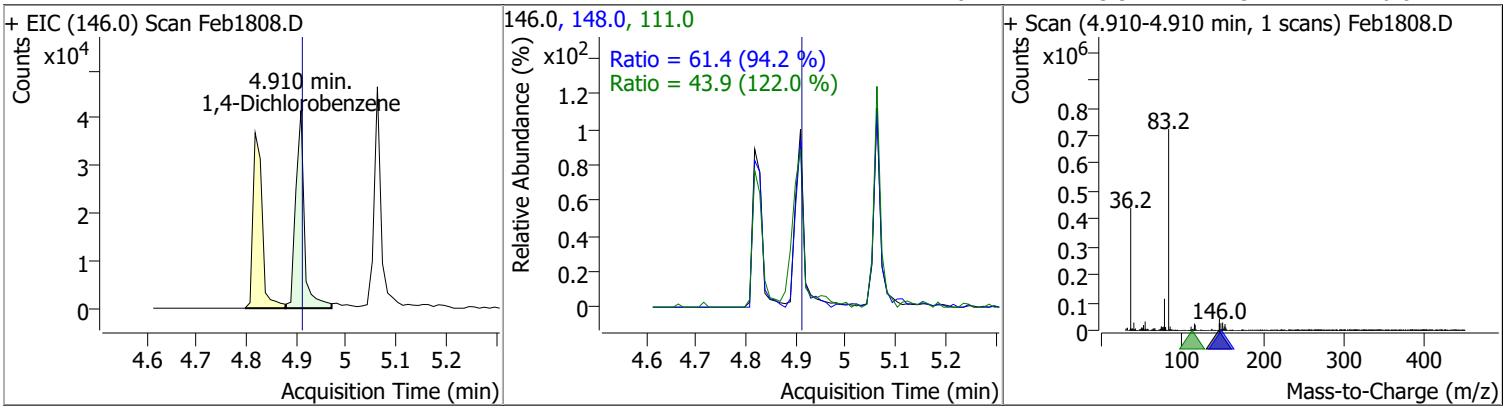




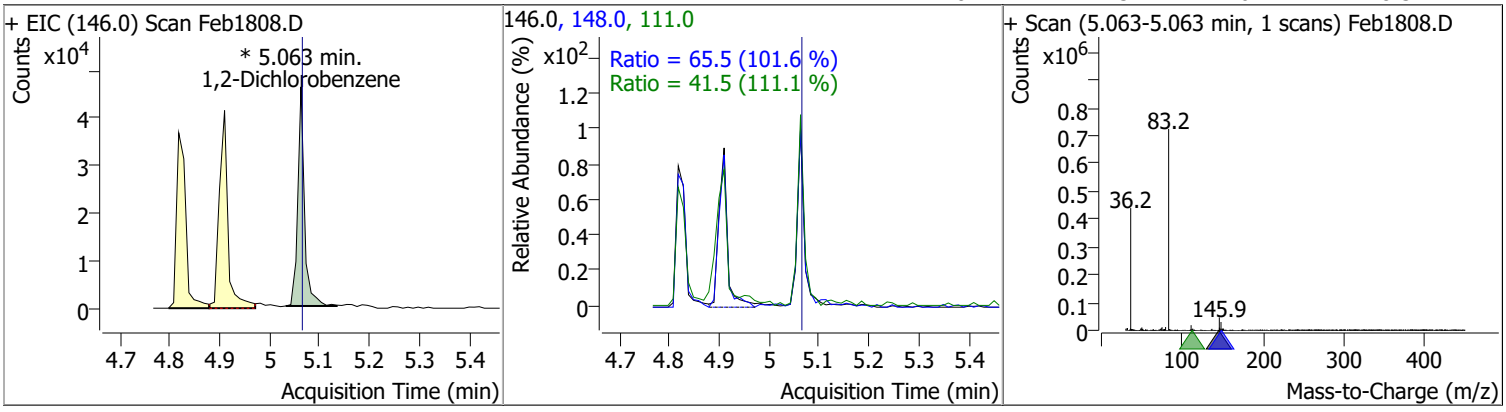
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	4.1651	4.82	-0.01	47435	148.0	62.6	44.6	82.8
					111.0	33.2	25.3	47.0



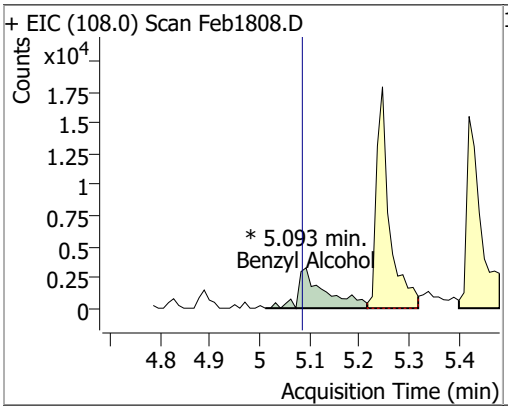
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	4.2531	4.91	0.00	50173	148.0	61.4	45.6	84.8
					111.0	43.9	25.2	46.8

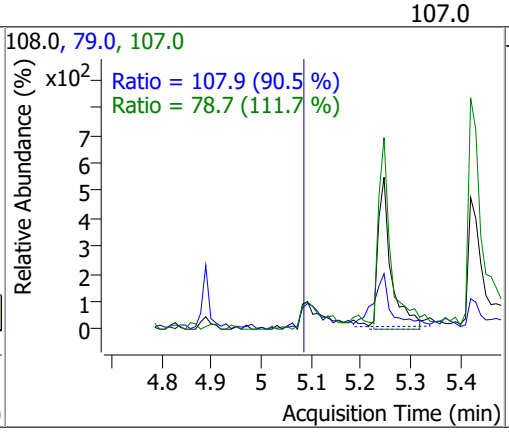


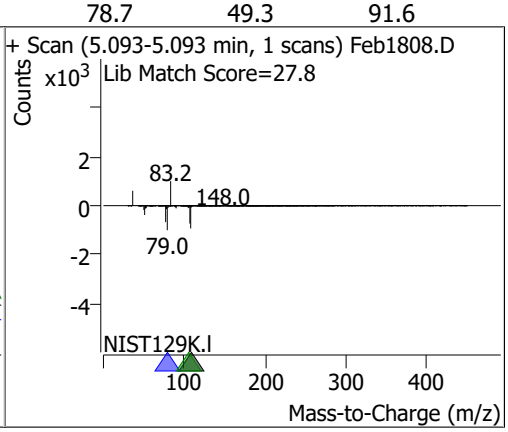
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	4.0801	5.06	0.00	43175 (m)	148.0	65.5	45.1	83.8
					111.0	41.5	26.1	48.5



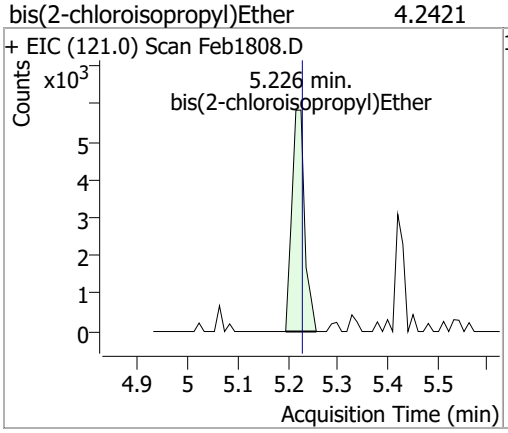
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	4.4169	5.09	0.01	12526 (m)	79.0	107.9	83.5	155.1
					107.0	78.7	49.3	91.6

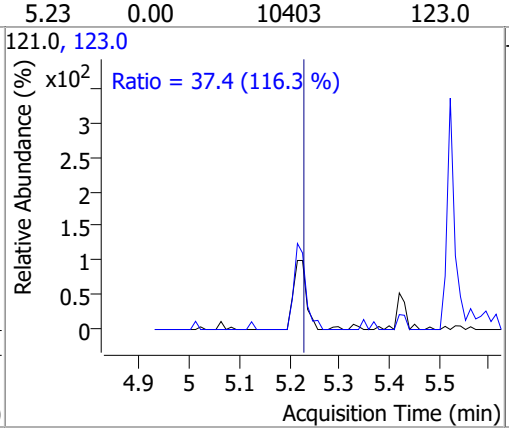


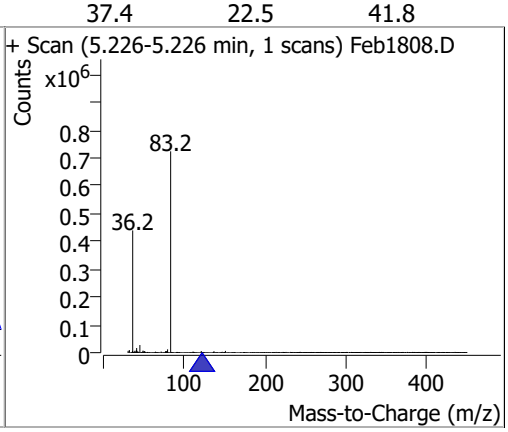




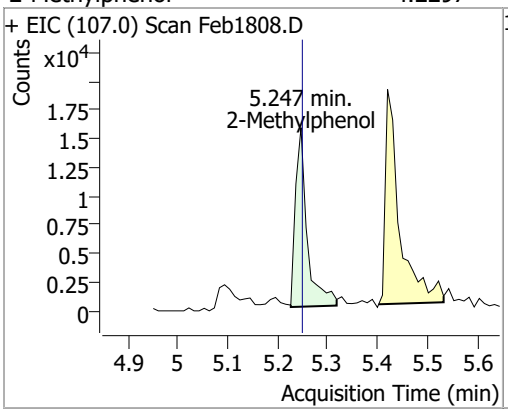
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	4.2421	5.23	0.00	10403	123.0	37.4	22.5	41.8

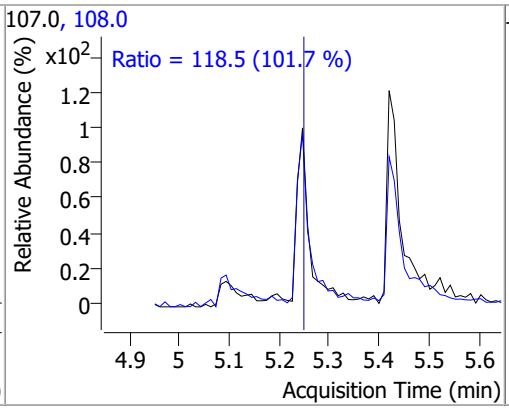


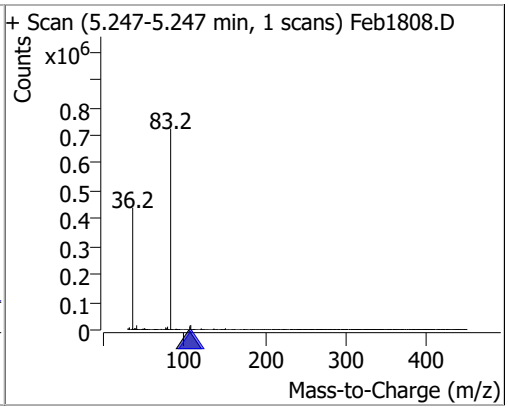




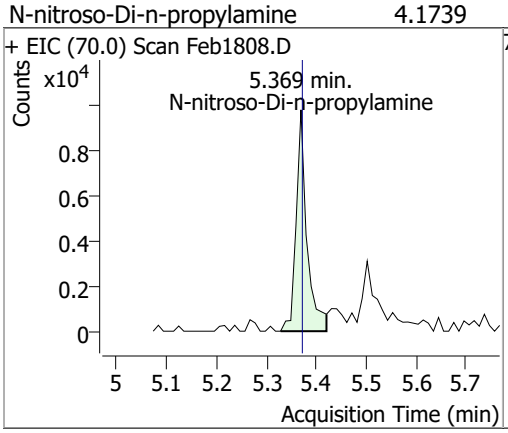
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	4.2297	5.25	0.00	25470	108.0	118.5	81.5	151.4

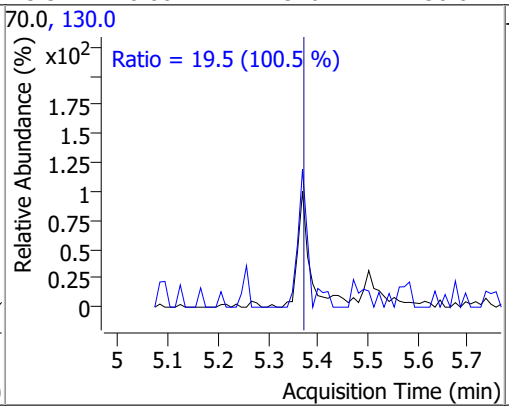


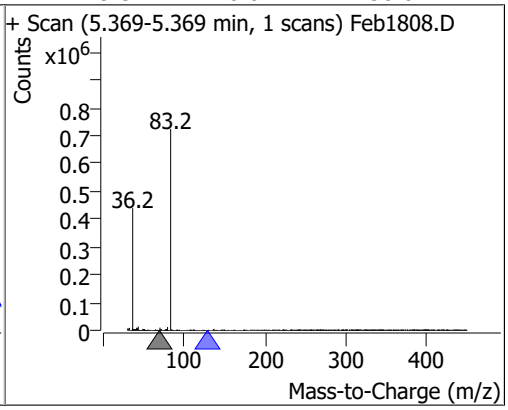




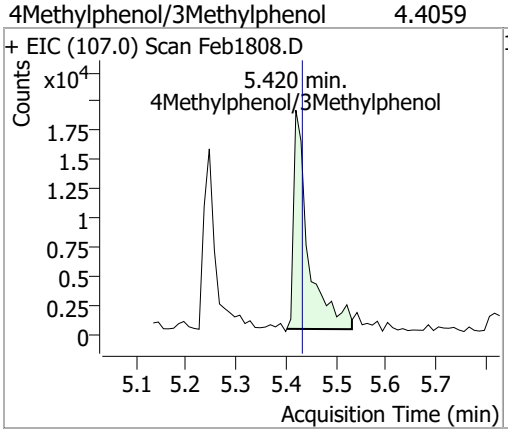
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	4.1739	5.37	0.00	14516	130.0	19.5	0.0	38.8

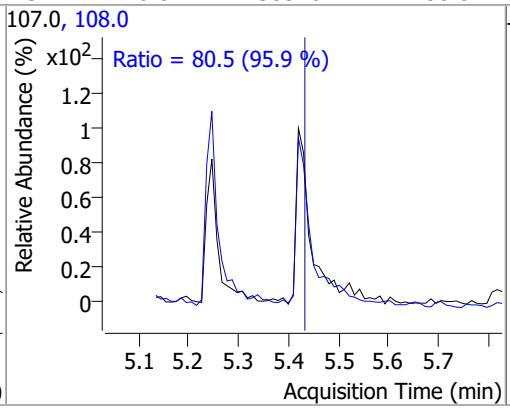


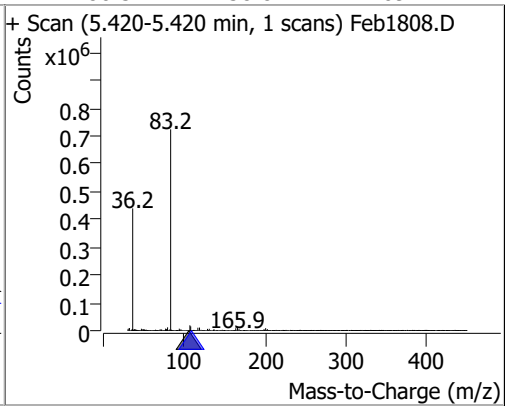




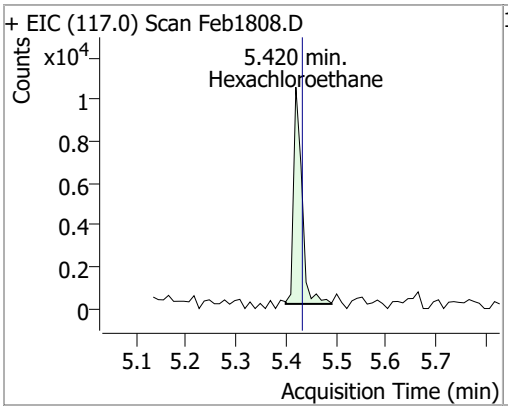
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	4.4059	5.42	-0.01	38326	108.0	80.5	58.8	109.1

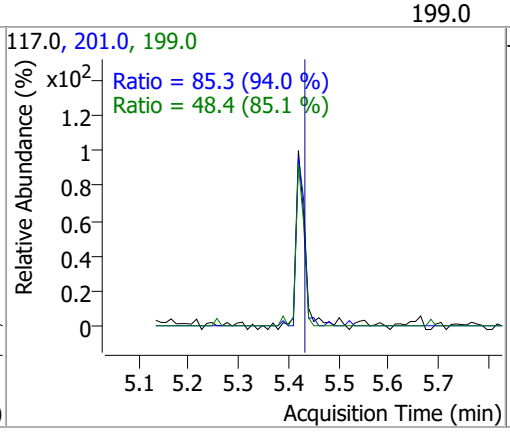


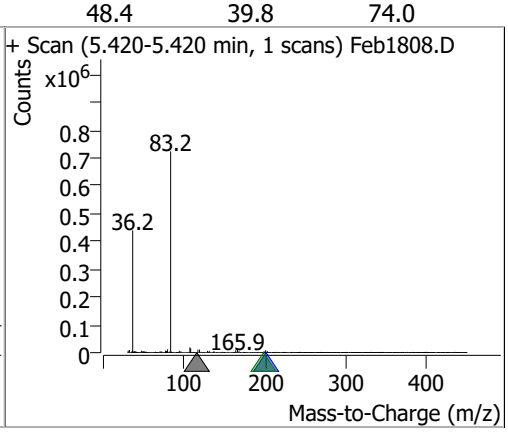




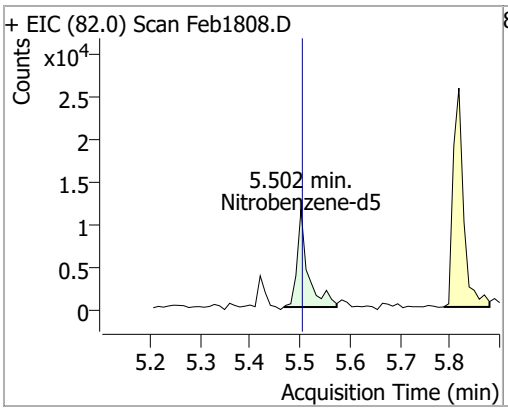
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	4.1997	5.42	-0.01	12058	201.0	85.3	63.5	118.0
					199.0	48.4	39.8	74.0

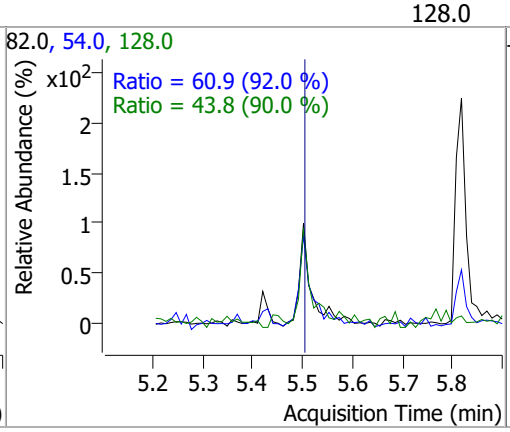


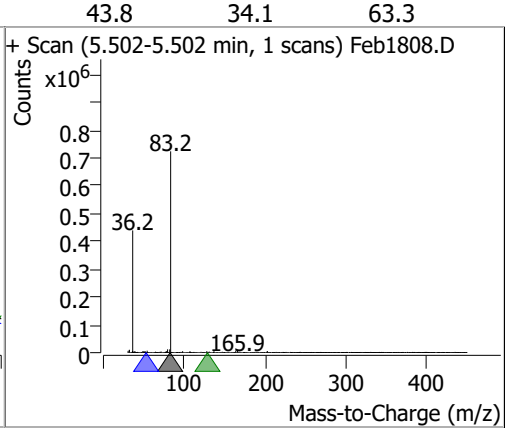




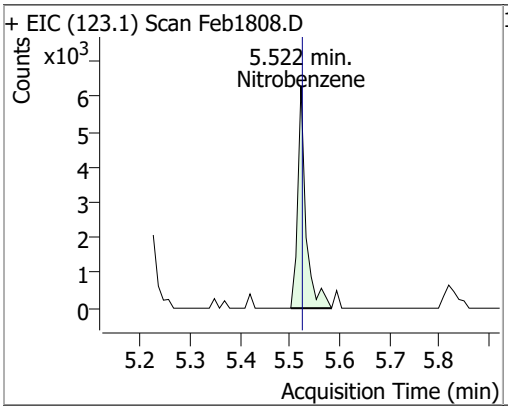
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	4.2746	5.50	0.00	17369	54.0	60.9	46.3	86.0
					128.0	43.8	34.1	63.3

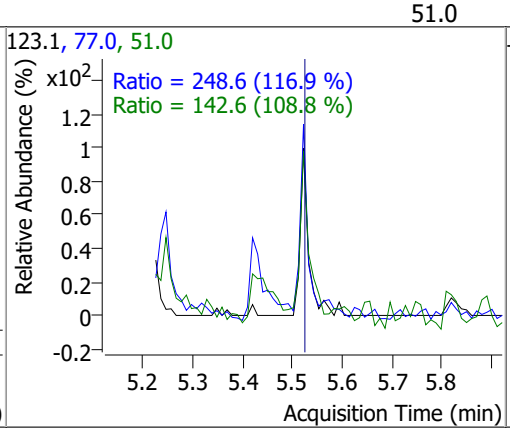


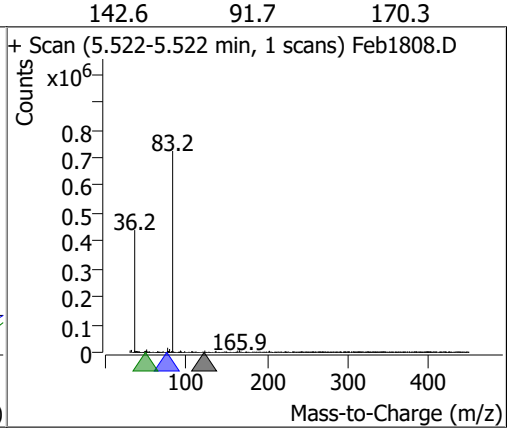




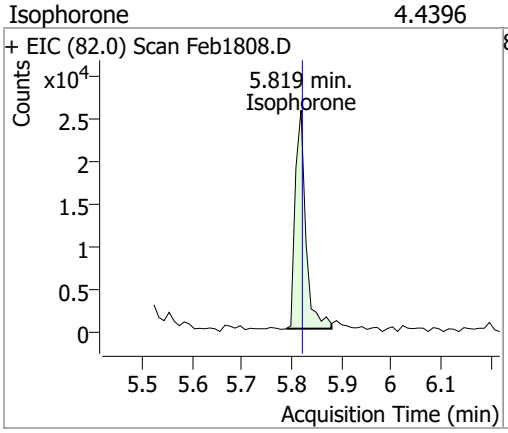
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	4.6846	5.52	0.00	7200	77.0	248.6	148.9	276.5
					51.0	142.6	91.7	170.3

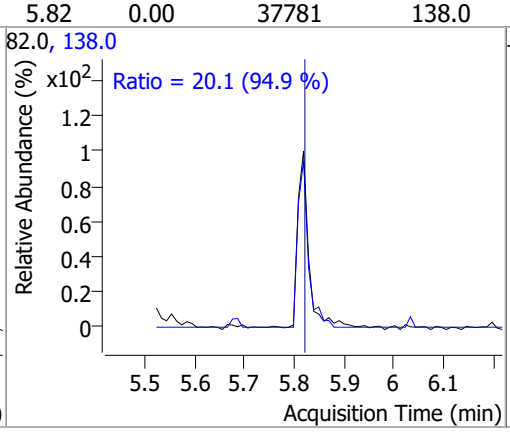


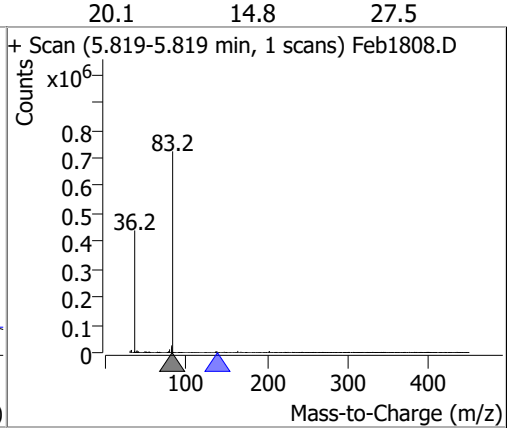




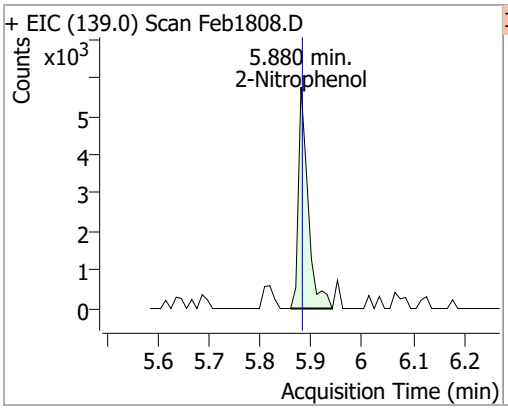
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	4.4396	5.82	0.00	37781	138.0	20.1	14.8	27.5

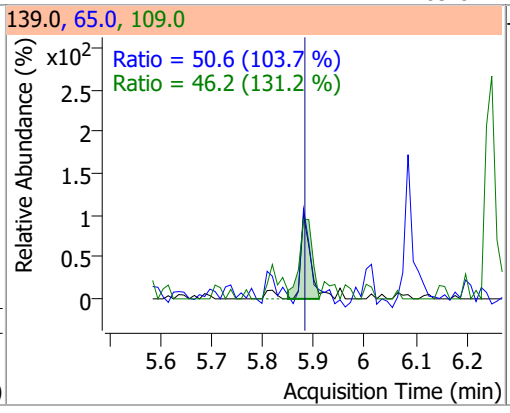


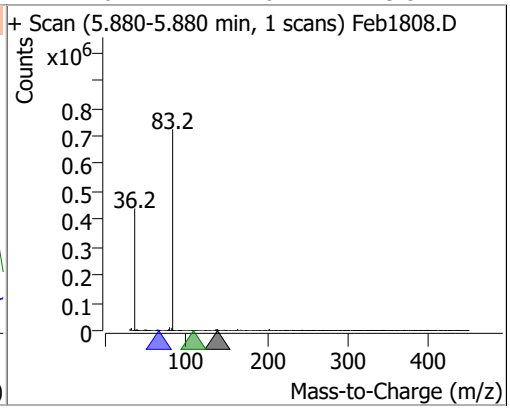




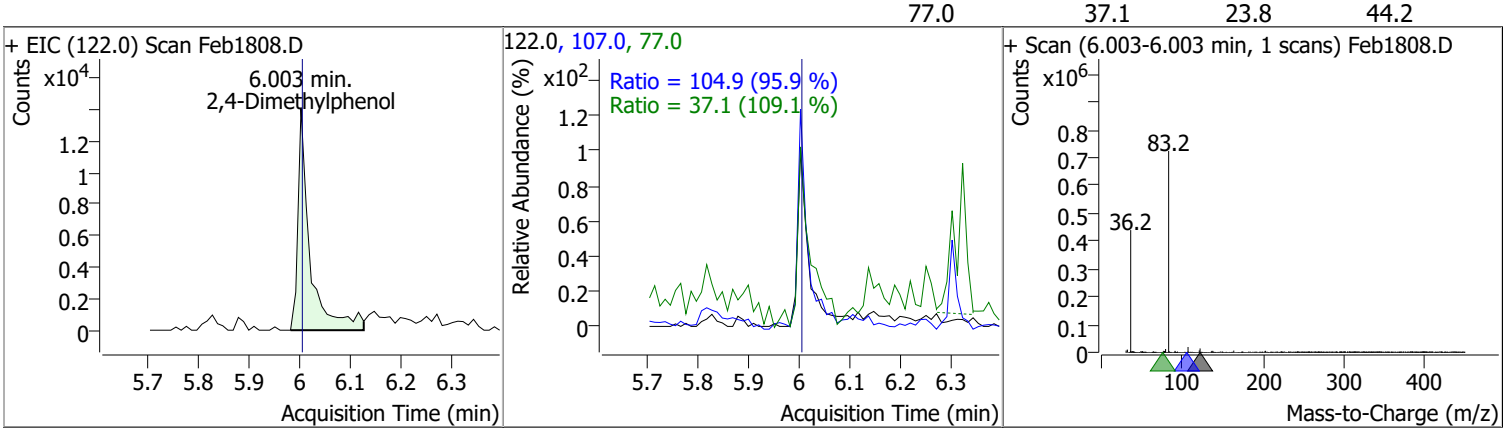
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	4.4863	5.88	0.00	7612	65.0	50.6	34.2	63.4
					109.0	46.2	24.6	45.8



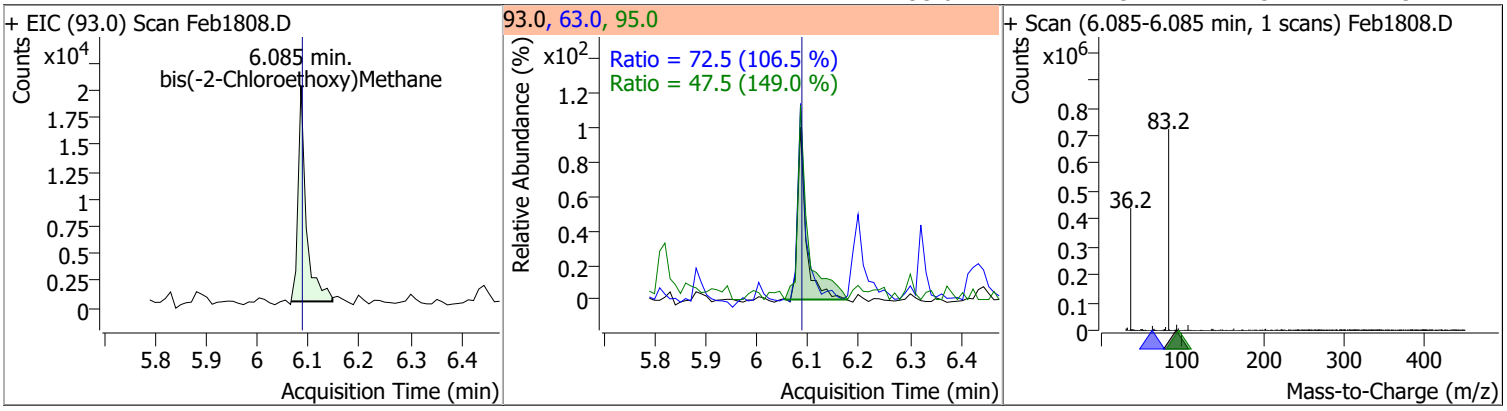




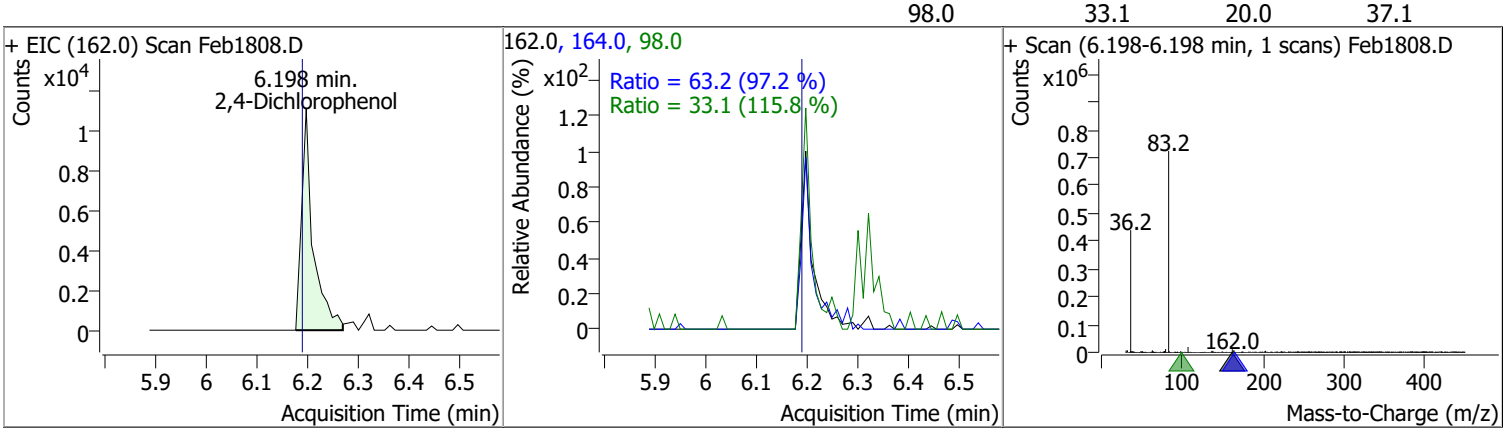
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	4.4772	6.00	0.00	23276	107.0	104.9	76.6	142.3
					77.0	37.1	23.8	44.2



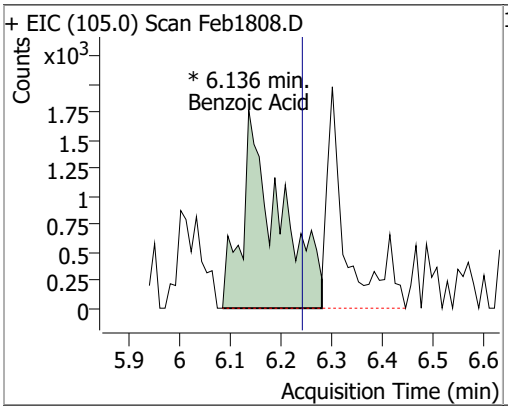
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	4.2445	6.08	0.00	21296	63.0	72.5	47.7	88.6
					95.0	47.5	22.3	41.5

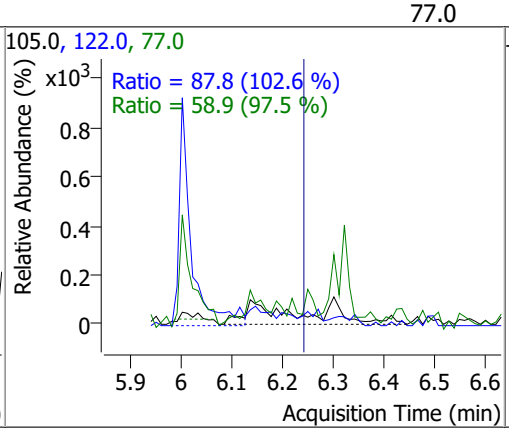


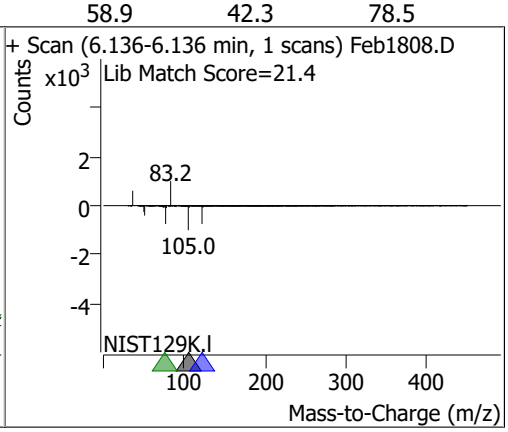
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	4.3107	6.20	0.01	17657	164.0	63.2	45.5	84.5
					98.0	33.1	20.0	37.1



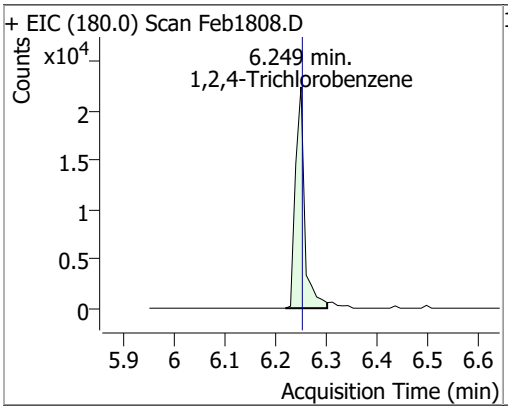
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	4.6830	6.14	-0.10	9103 (m)	122.0	87.8	59.9	111.2
					77.0	58.9	42.3	78.5

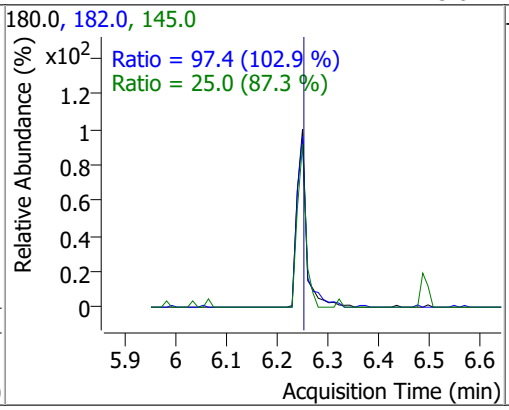


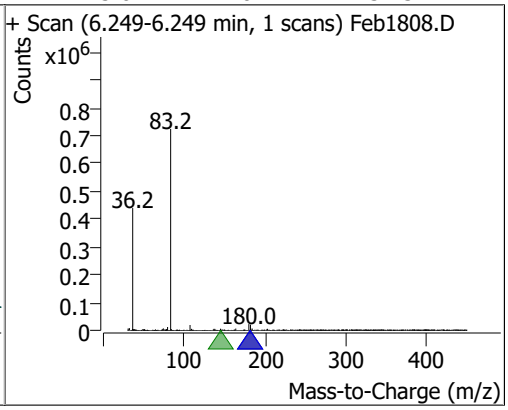




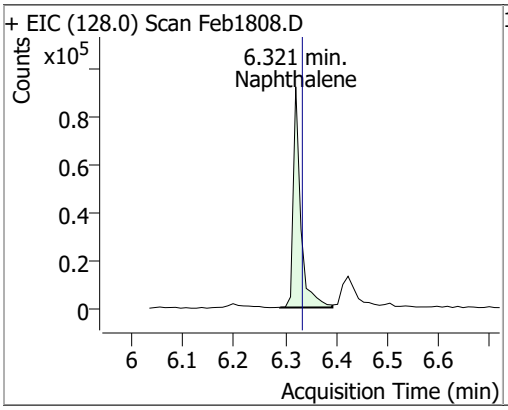
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	4.1540	6.25	0.00	27847	182.0	97.4	66.2	122.9
					145.0	25.0	20.1	37.3

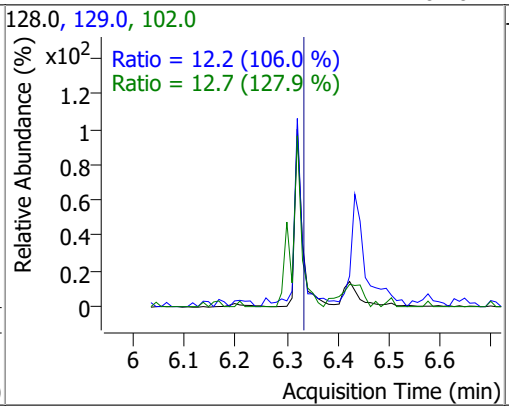


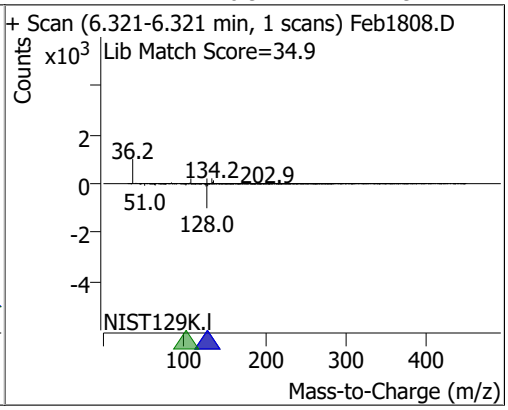




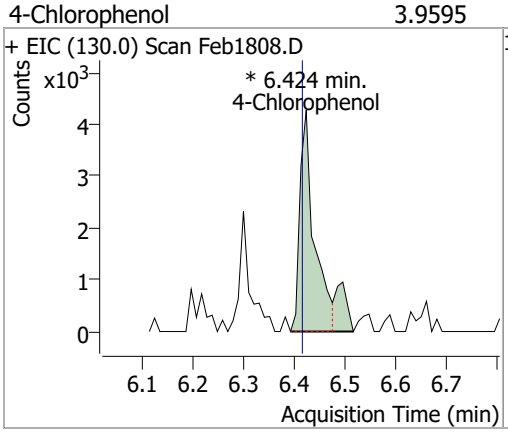
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	4.2231	6.32	-0.01	94125	129.0	12.2	8.0	14.9
					102.0	12.7	6.9	12.9

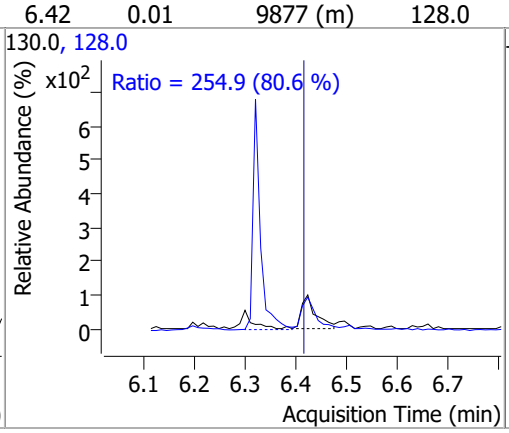


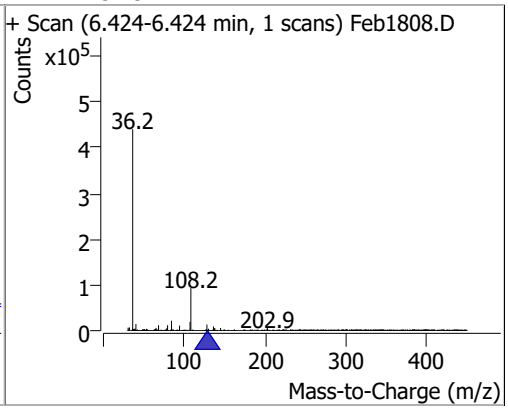




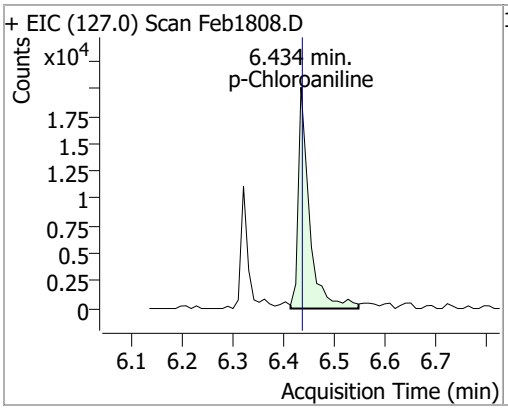
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	3.9595	6.42	0.01	9877 (m)	128.0	254.9	221.4	411.2

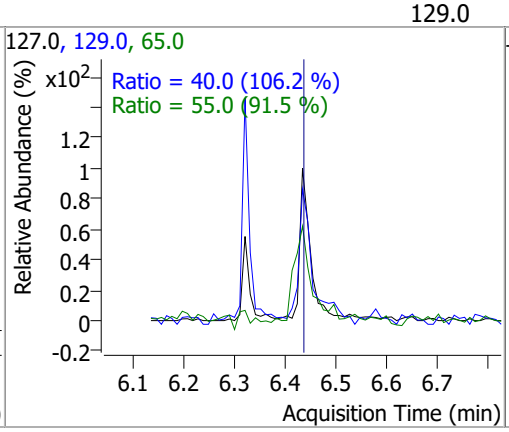


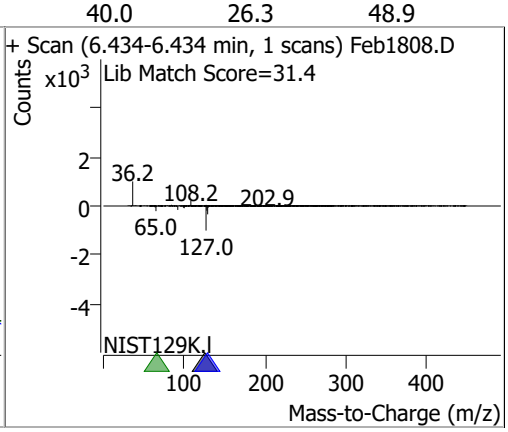




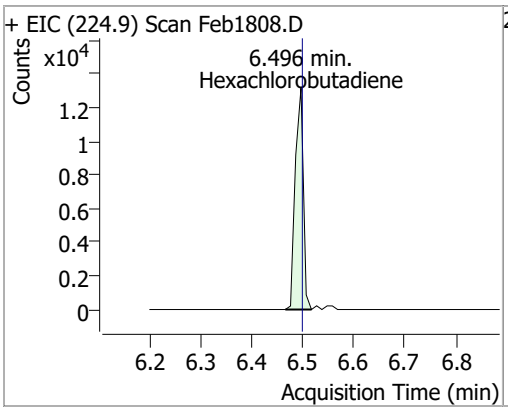
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	4.3289	6.43	0.00	30624	65.0	55.0	42.1	78.2
					129.0	40.0	26.3	48.9

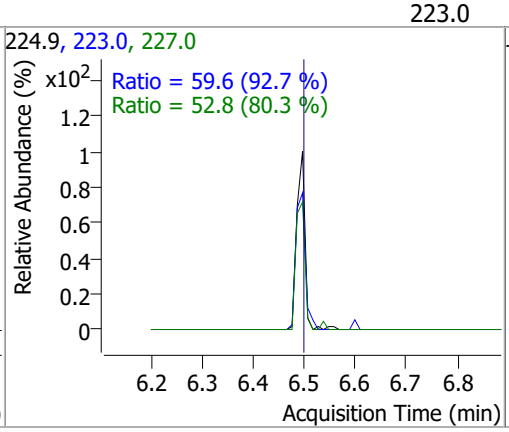


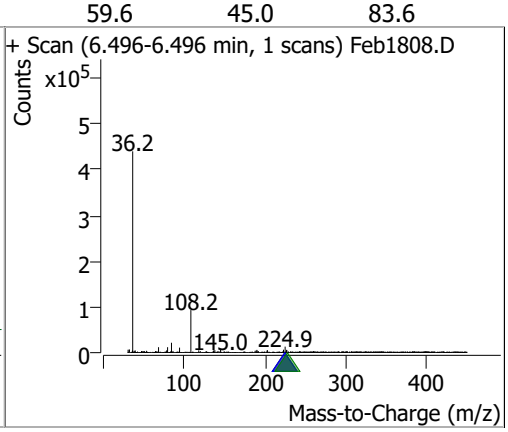




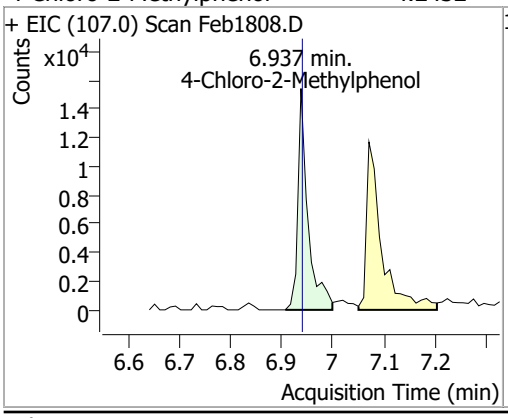
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	4.2318	6.50	0.00	14423	227.0	52.8	46.0	85.4
					223.0	59.6	45.0	83.6

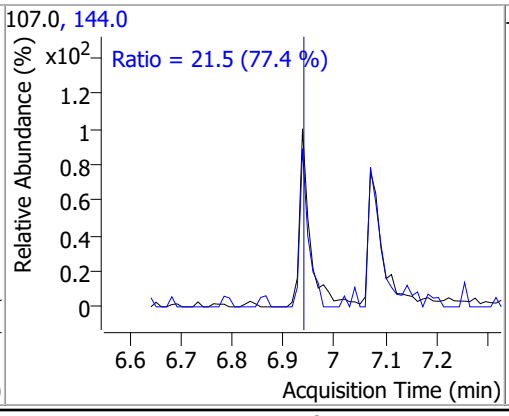


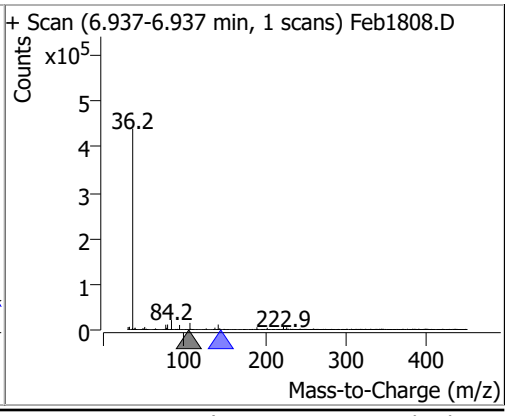




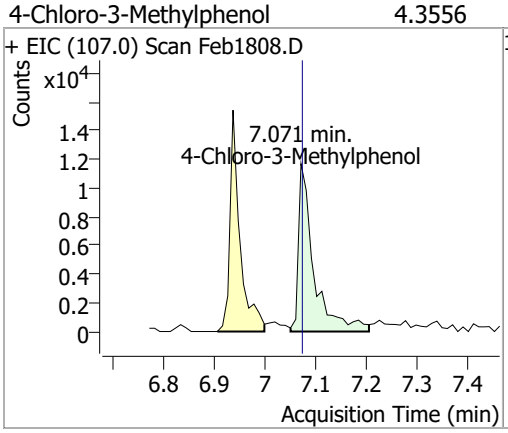
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	4.2432	6.94	0.00	21228	144.0	21.5	19.4	36.1

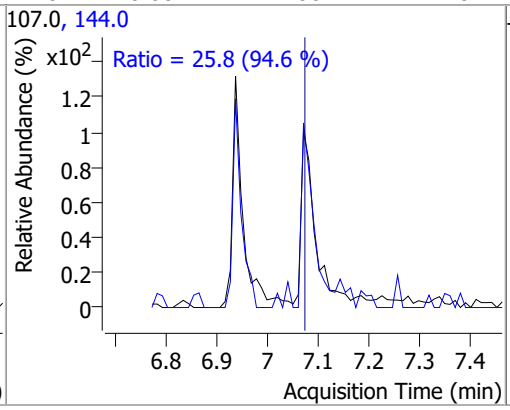


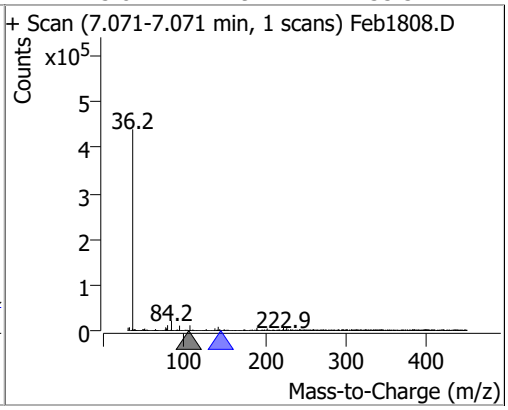




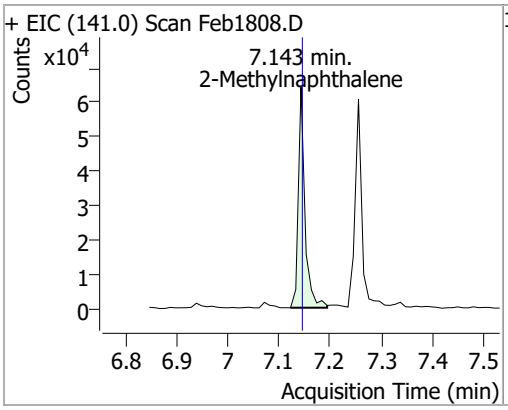
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	4.3556	7.07	0.00	24488	144.0	25.8	19.1	35.5

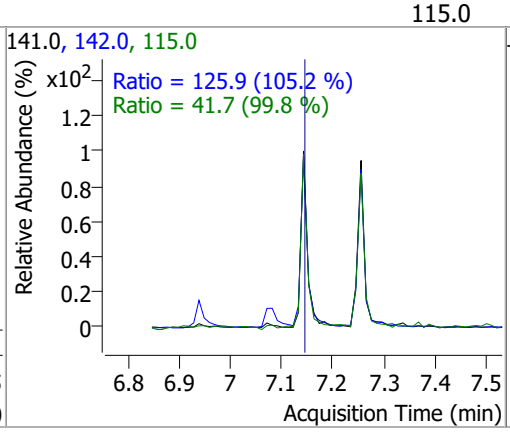


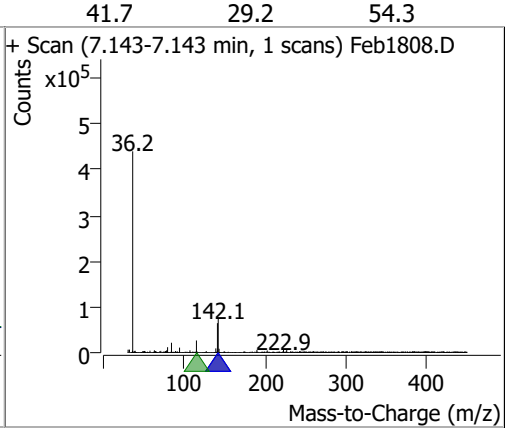




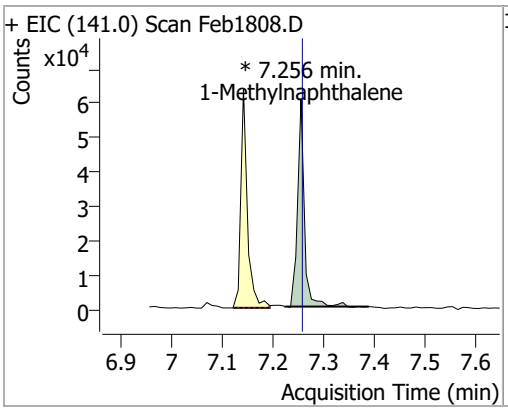
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	3.8205	7.14	0.00	56026	142.0	125.9	83.8	155.7
					115.0	41.7	29.2	54.3

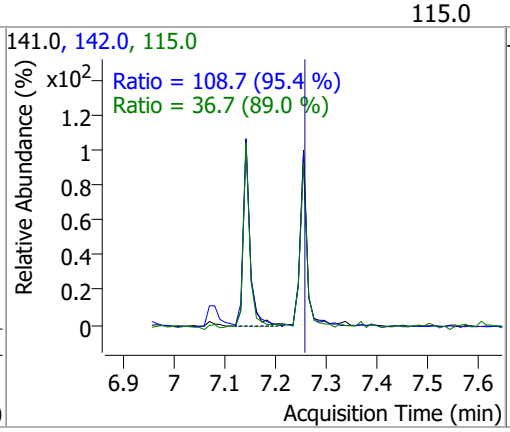


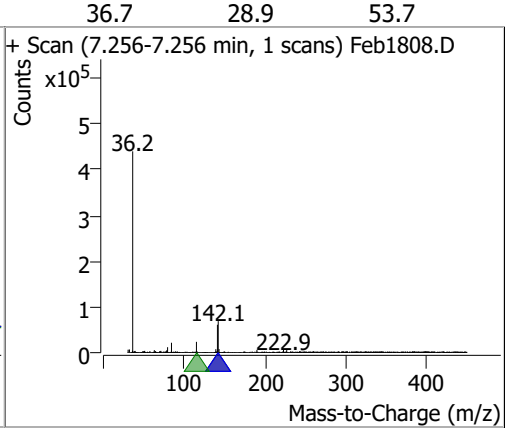




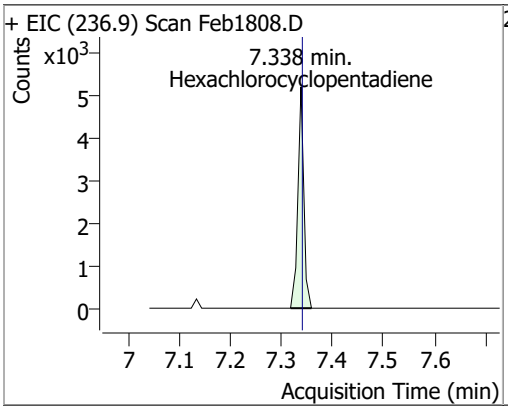
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	3.8746	7.26	0.00	56205 (m)	142.0	108.7	79.8	148.2
					115.0	36.7	28.9	53.7

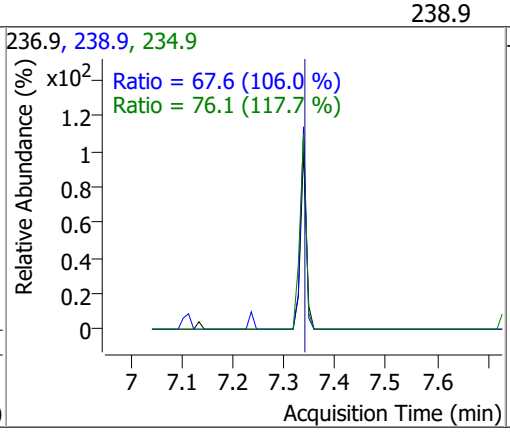


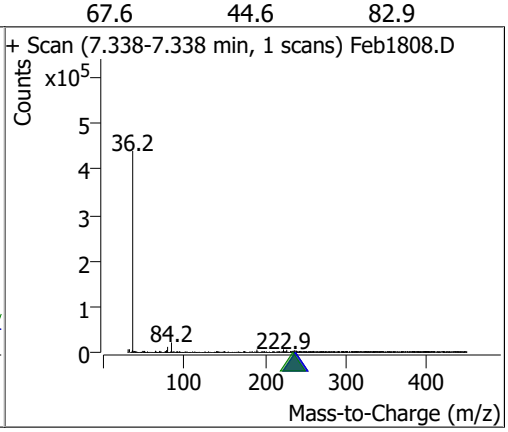




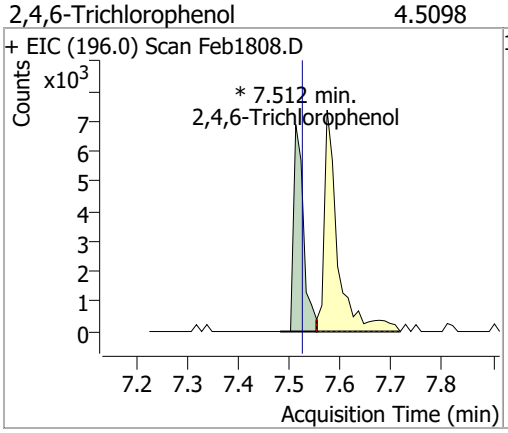
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	4.4930	7.34	0.00	4224	234.9	76.1	45.2	84.0
					238.9	67.6	44.6	82.9

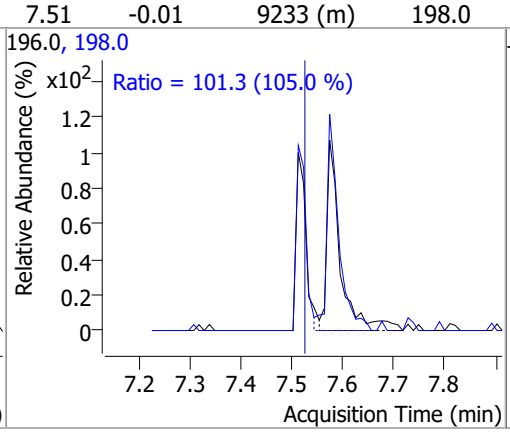


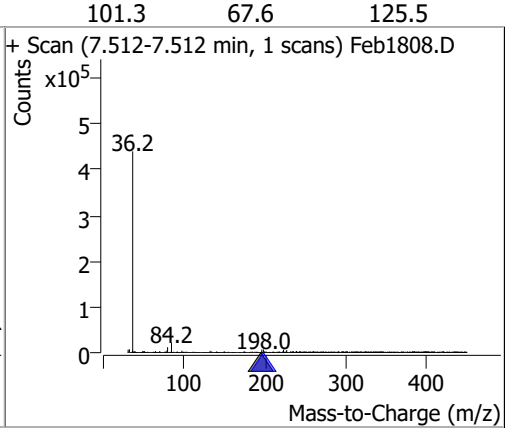




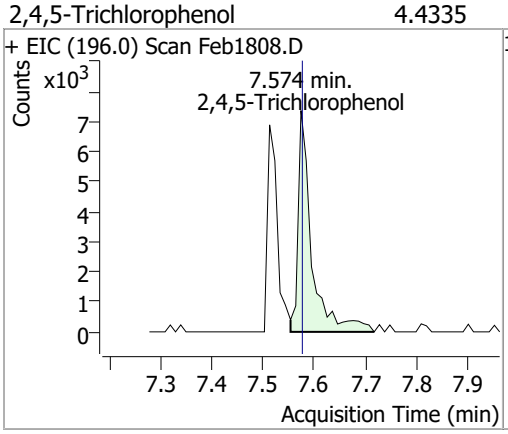
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	4.5098	7.51	-0.01	9233 (m)	198.0	101.3	67.6	125.5

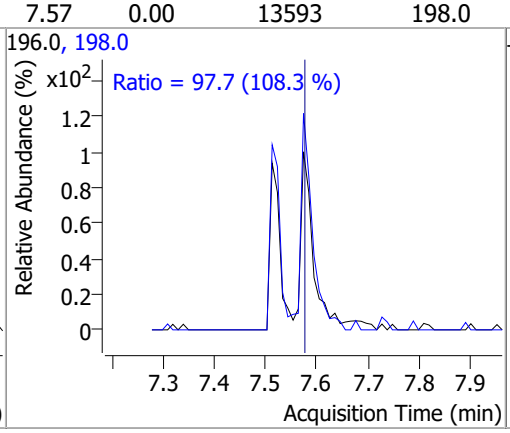


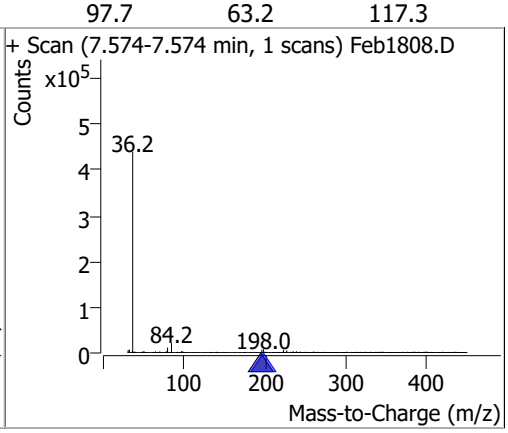




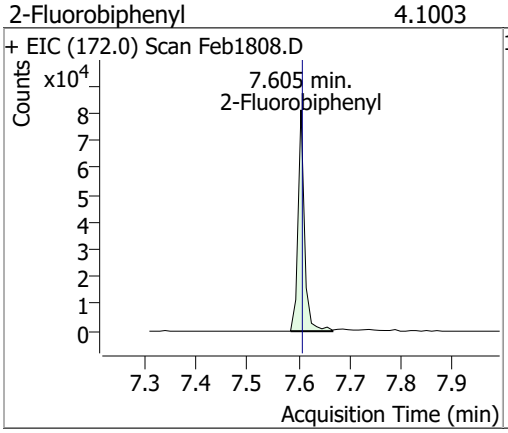
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	4.4335	7.57	0.00	13593	198.0	97.7	63.2	117.3

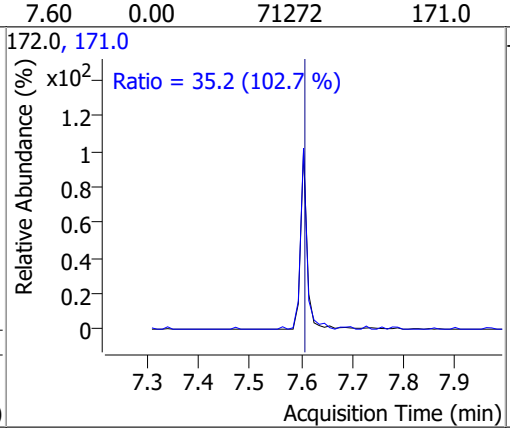


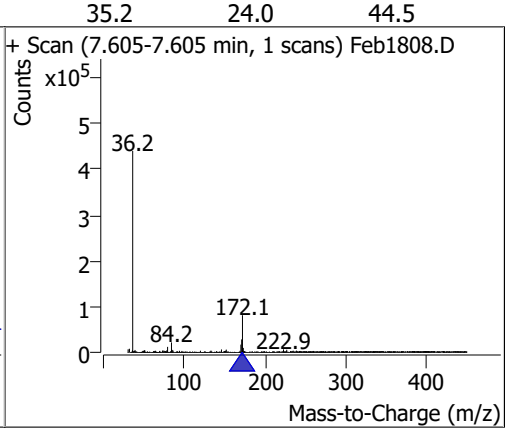




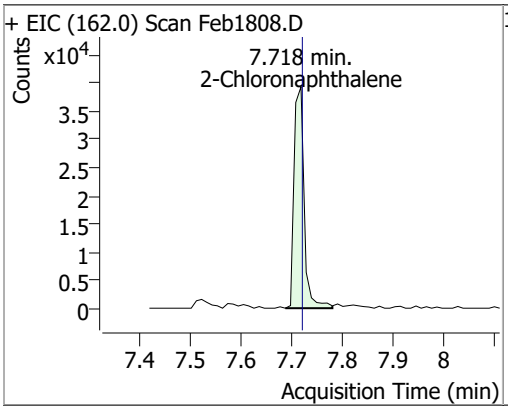
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	4.1003	7.60	0.00	71272	171.0	35.2	24.0	44.5

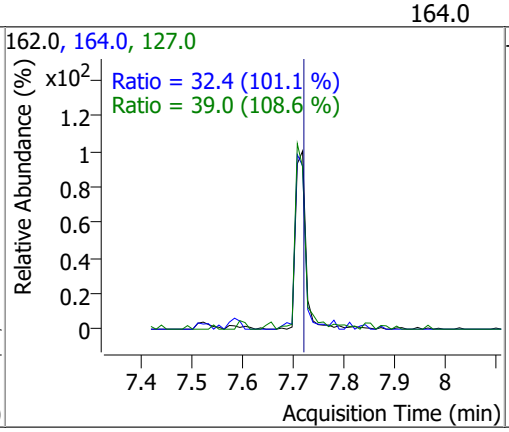


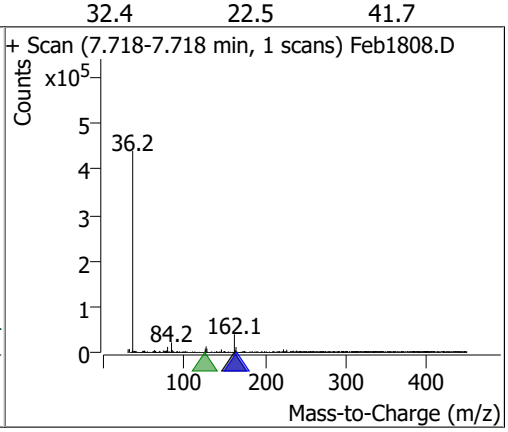




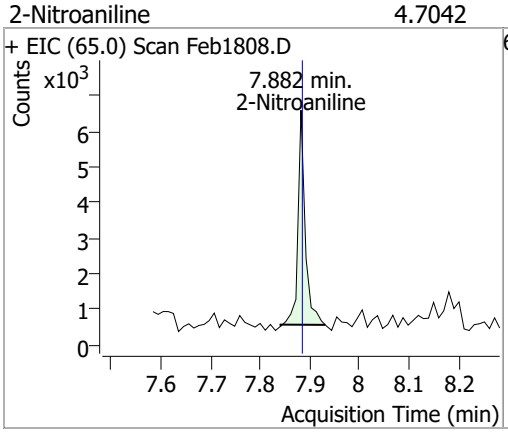
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	4.0007	7.72	0.00	54021	127.0	39.0	25.1	46.7
					164.0	32.4	22.5	41.7

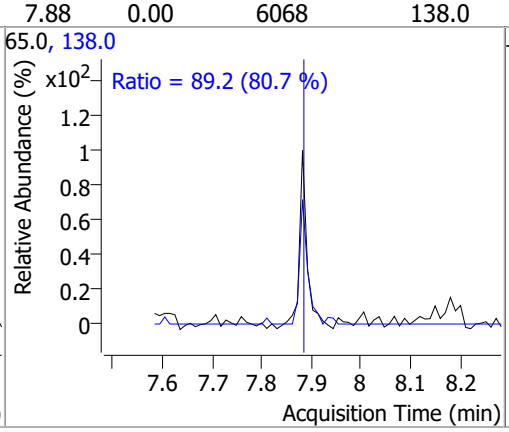


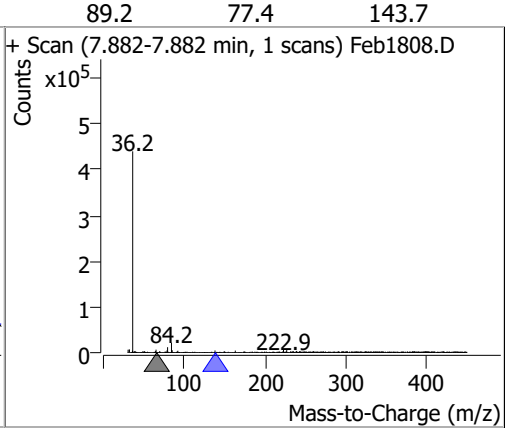




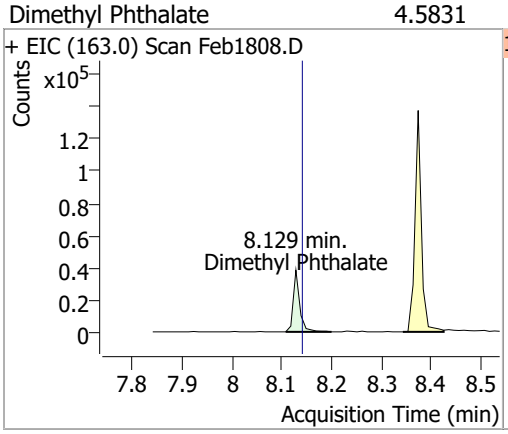
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	4.7042	7.88	0.00	6068	138.0	89.2	77.4	143.7

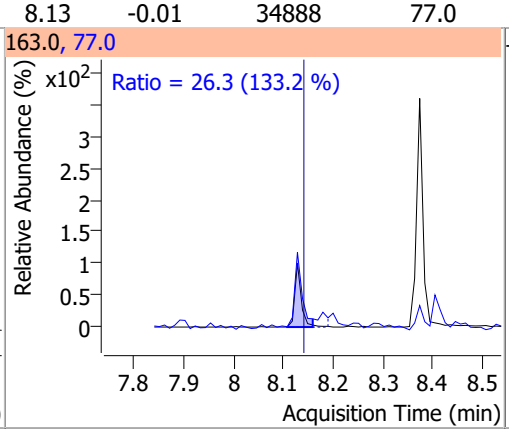


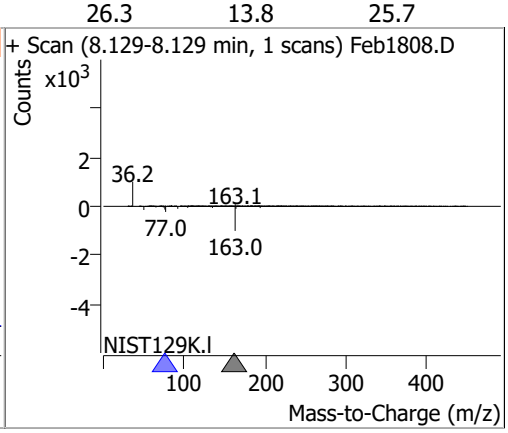




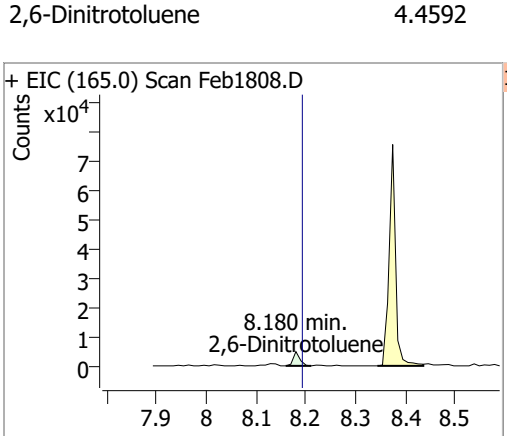
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	4.5831	8.13	-0.01	34888	77.0	26.3	13.8	25.7

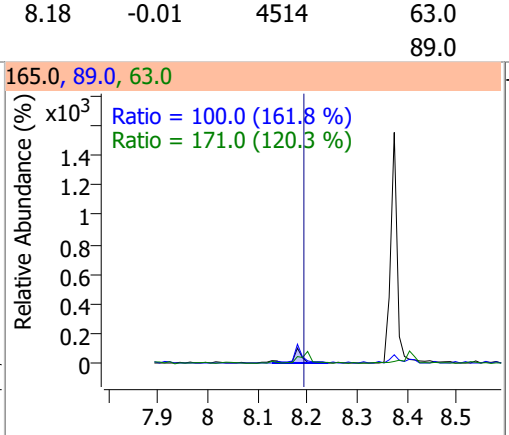


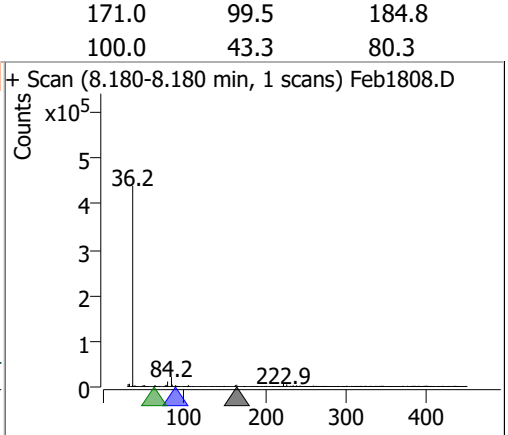




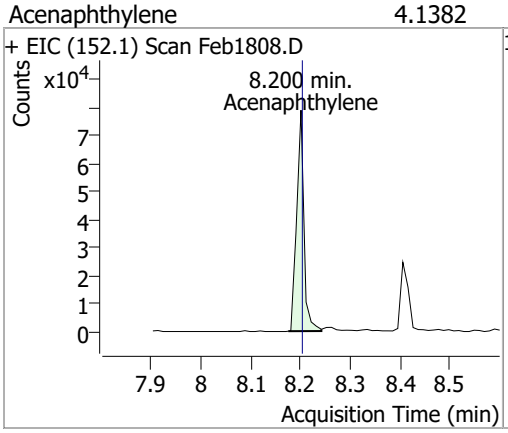
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	4.4592	8.18	-0.01	4514	63.0	171.0	99.5	184.8
					89.0	100.0	43.3	80.3

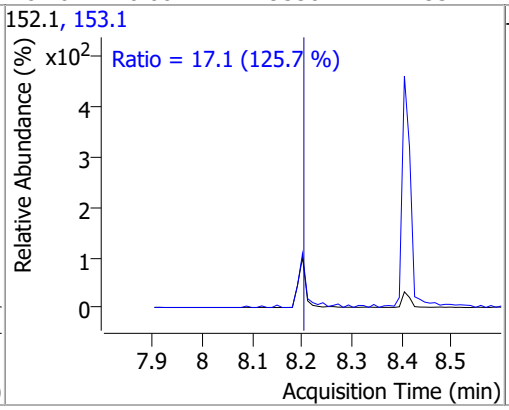


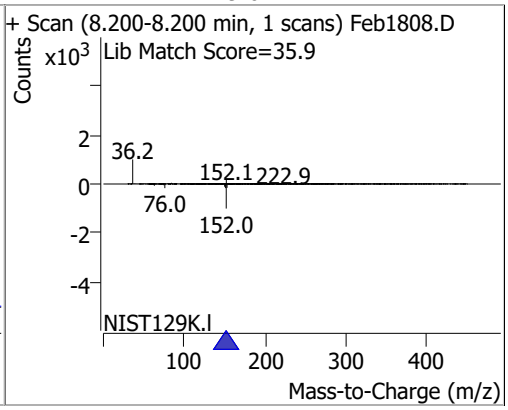




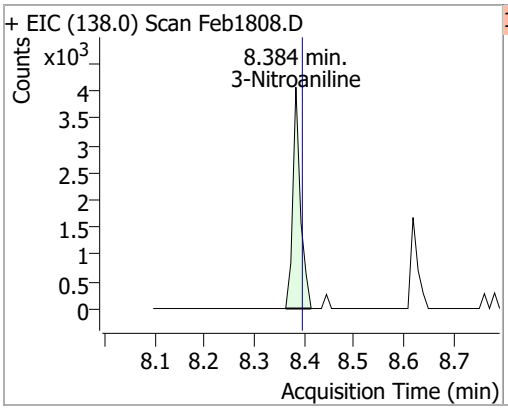
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	4.1382	8.20	0.00	79350	153.1	17.1	9.6	17.7

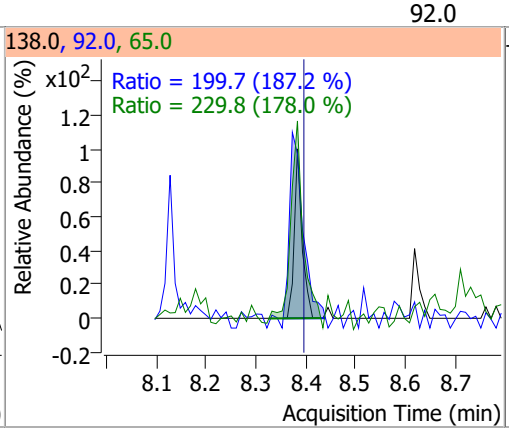


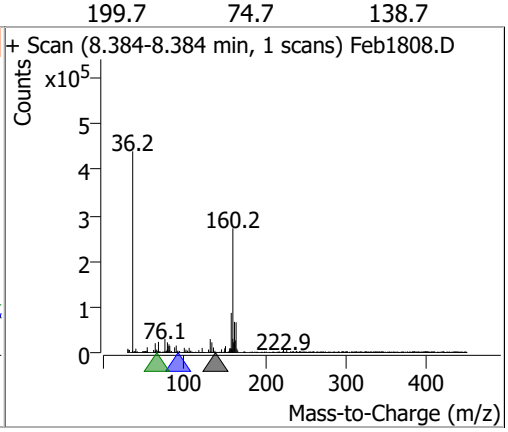




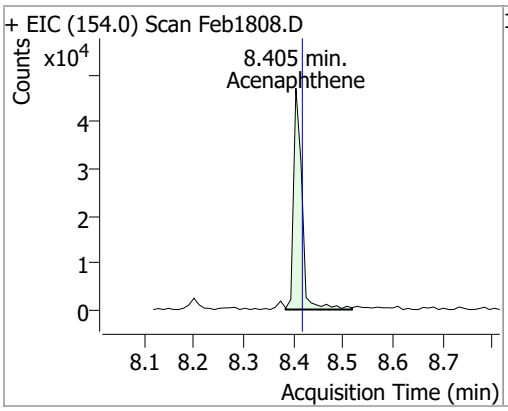
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	4.6024	8.38	-0.01	4377	65.0	229.8	90.4	167.8
					92.0	199.7	74.7	138.7

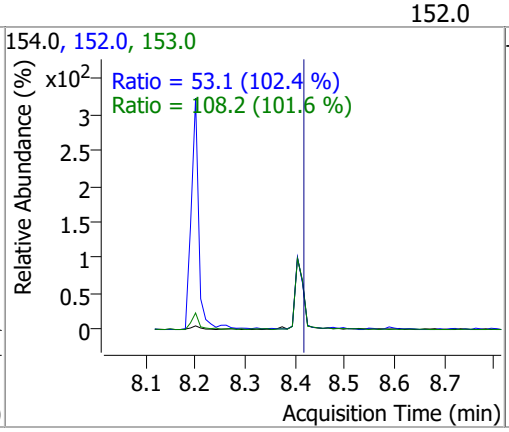


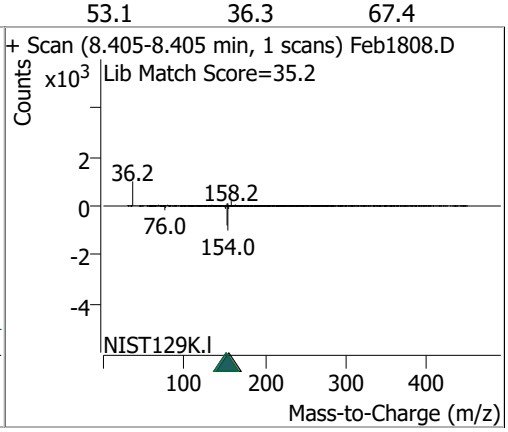




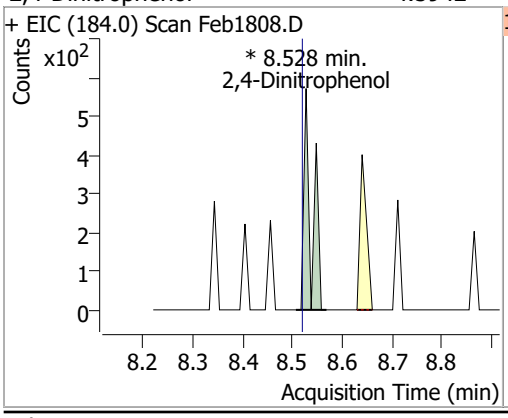
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	4.0797	8.40	-0.01	55213	153.0	108.2	74.5	138.4
					152.0	53.1	36.3	67.4

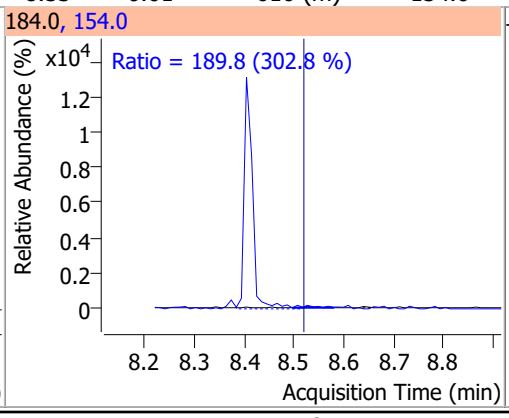


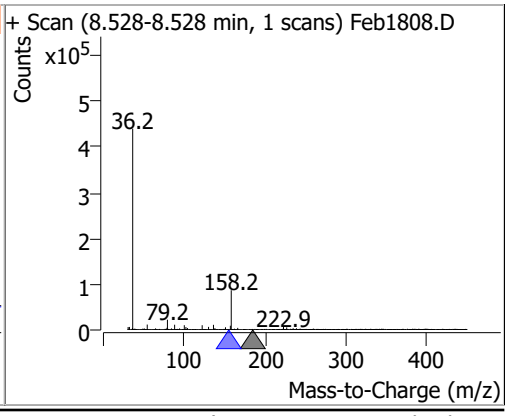




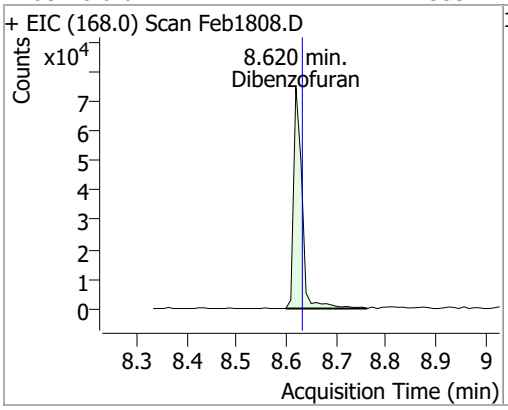
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	4.5942	8.53	0.01	616 (m)	154.0	189.8	43.9	81.5

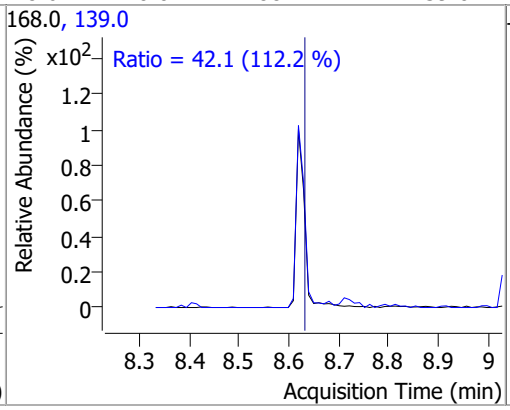


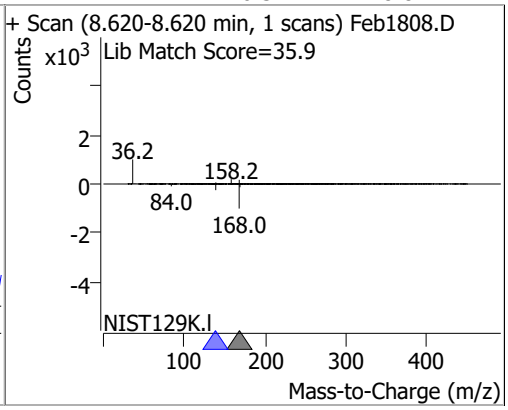




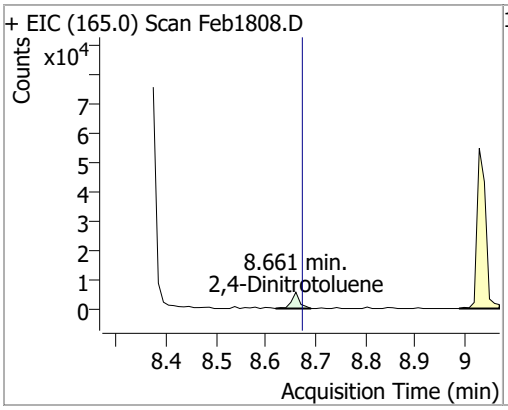
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	4.2555	8.62	-0.01	88427	139.0	42.1	26.3	48.8

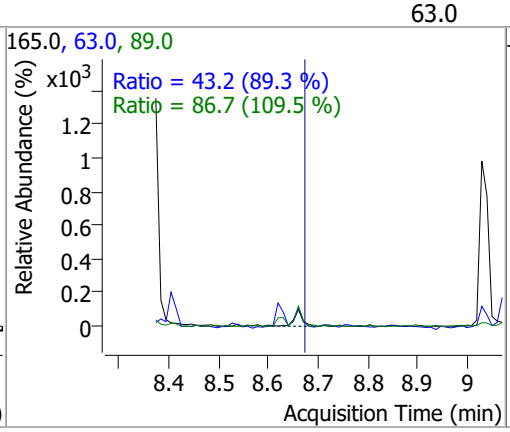


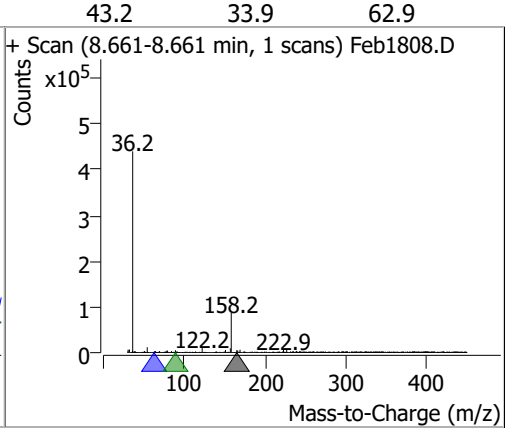




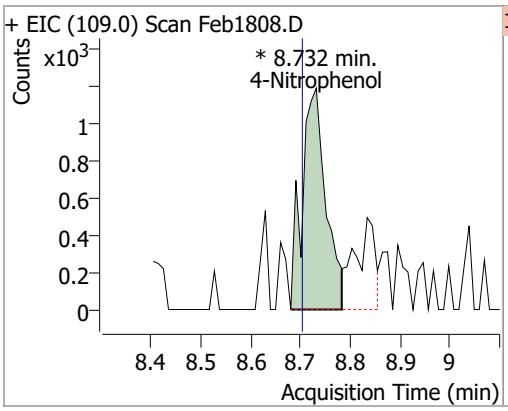
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	4.5965	8.66	-0.01	6380	89.0	86.7	55.4	102.9
					63.0	43.2	33.9	62.9

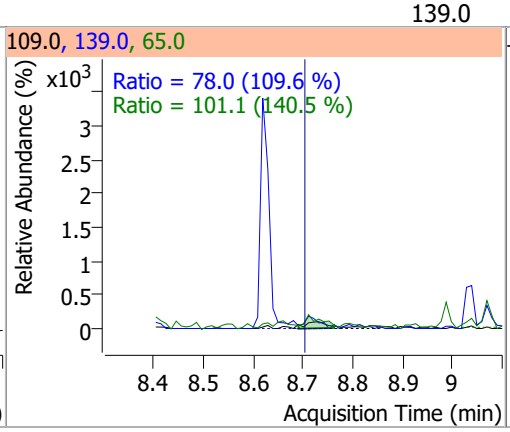


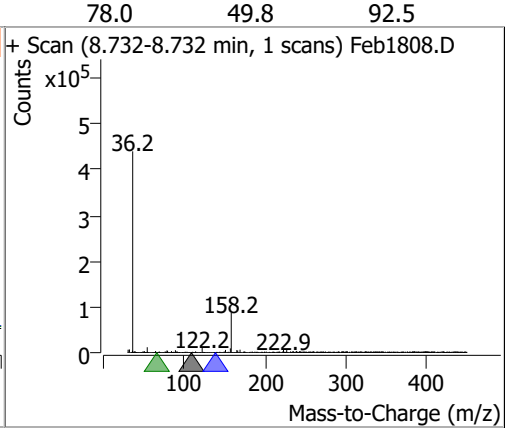




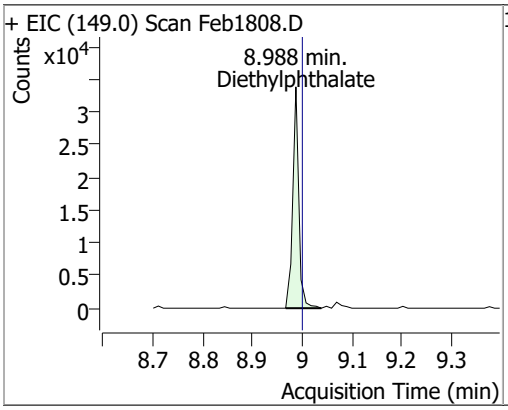
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	4.3354	8.73	0.03	3924 (m)	65.0	101.1	50.4	93.6
					139.0	78.0	49.8	92.5

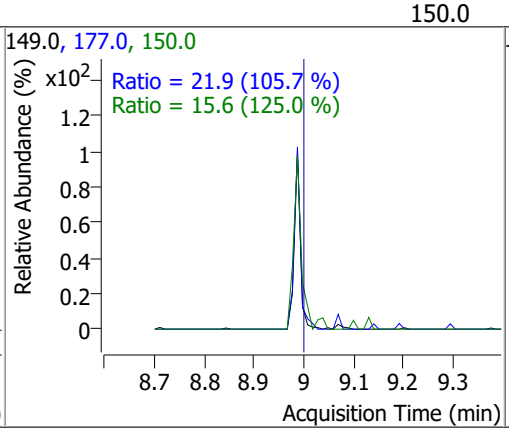


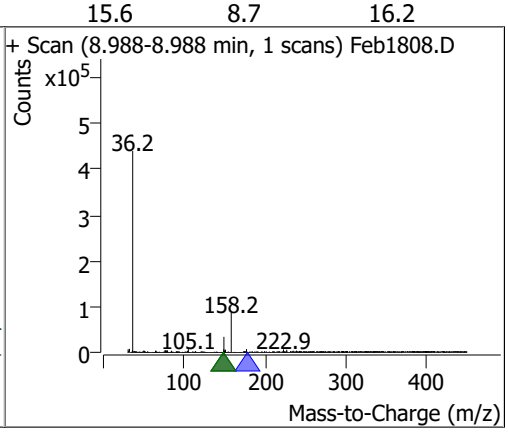




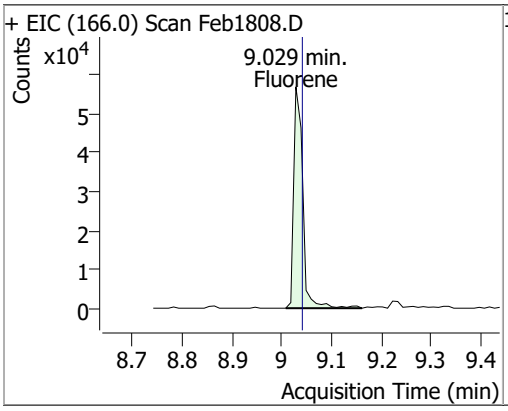
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	4.5494	8.99	-0.01	28496	177.0	21.9	14.5	27.0
					150.0	15.6	8.7	16.2

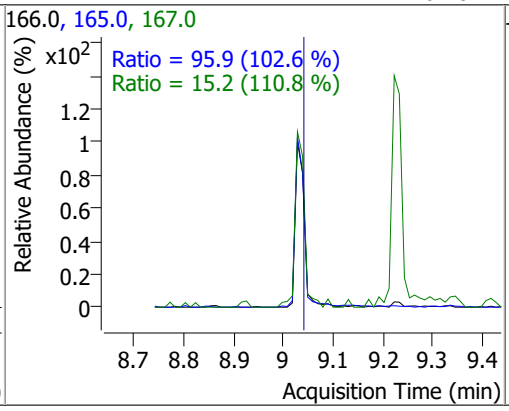


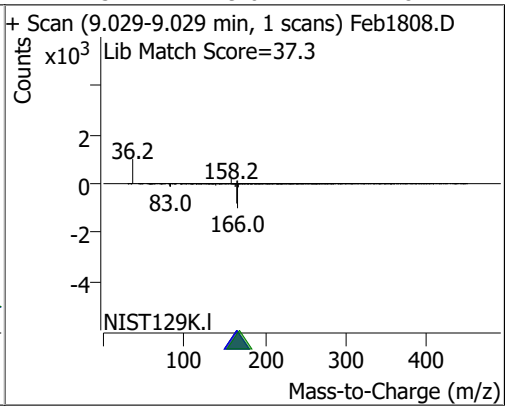




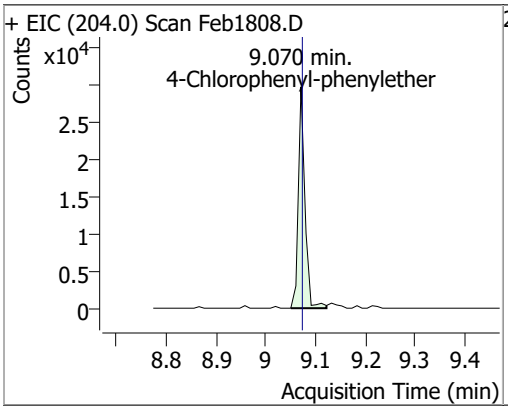
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	4.0050	9.03	-0.01	72029	165.0	95.9	65.4	121.4
					167.0	15.2	9.6	17.8

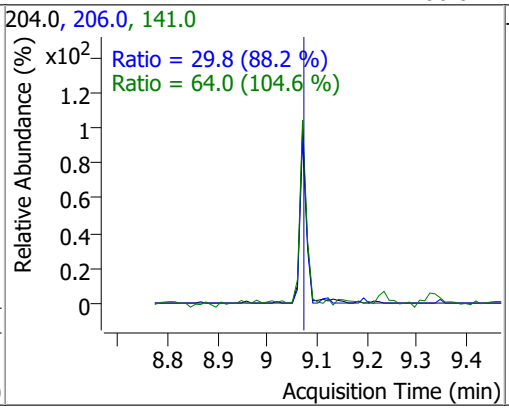


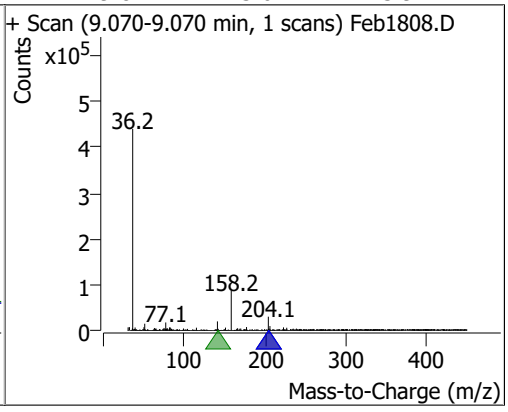




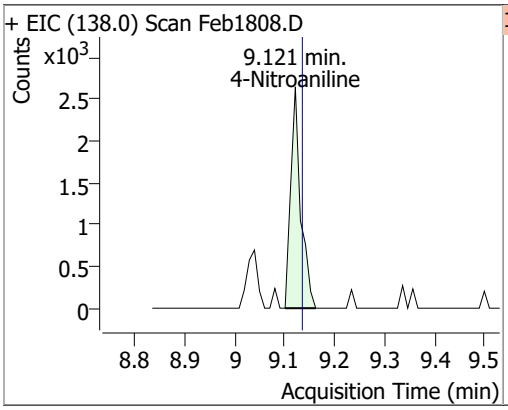
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	4.1666	9.07	0.00	27305	141.0	64.0	42.8	79.6
					206.0	29.8	23.6	43.9

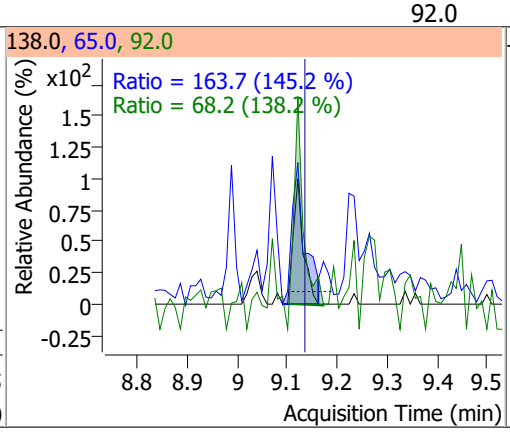


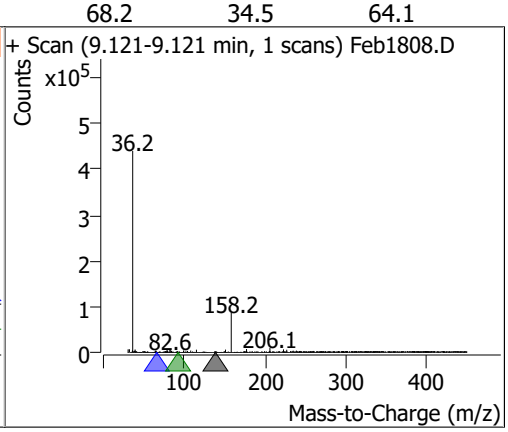




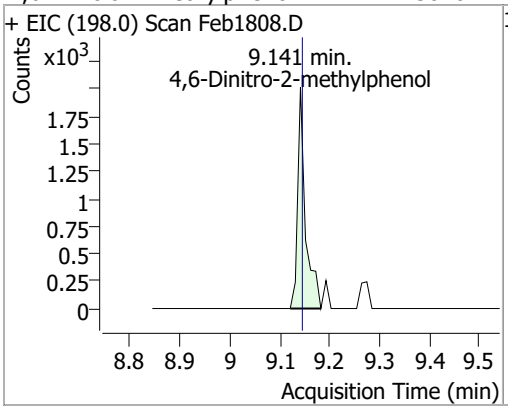
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	4.5119	9.12	-0.02	3692	65.0	163.7	78.9	146.6
					92.0	68.2	34.5	64.1

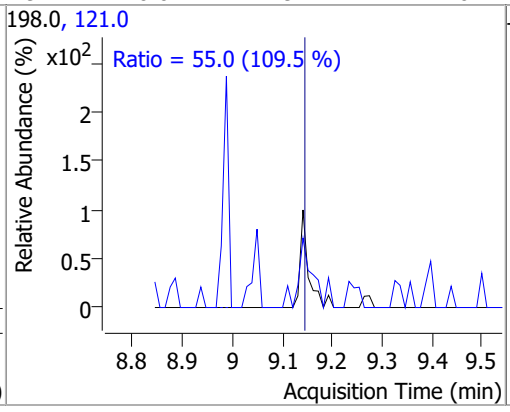


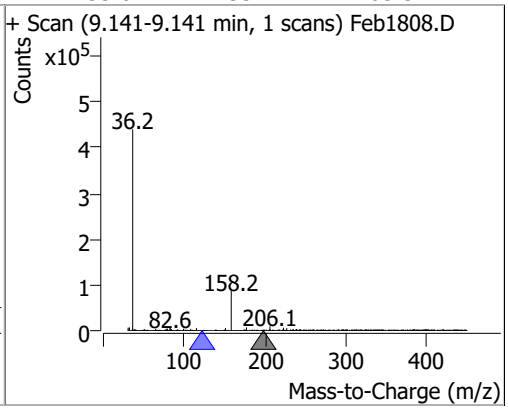




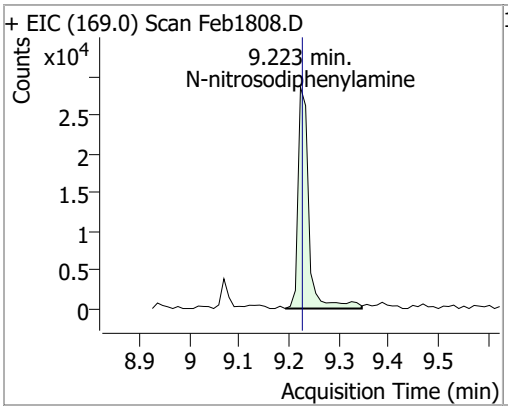
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	4.3810	9.14	-0.01	2191	121.0	55.0	35.1	65.3

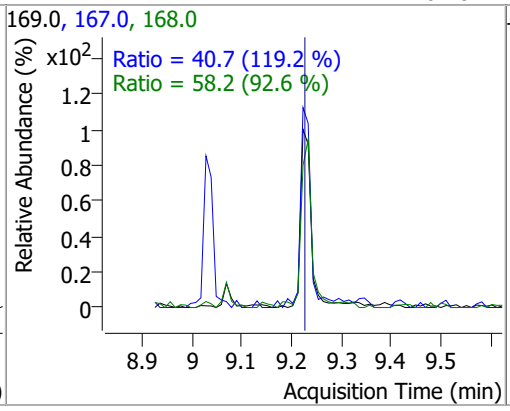


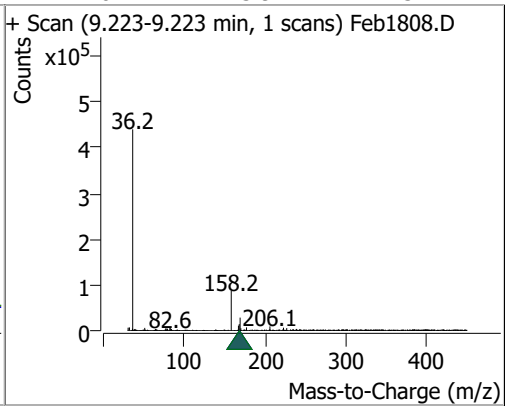




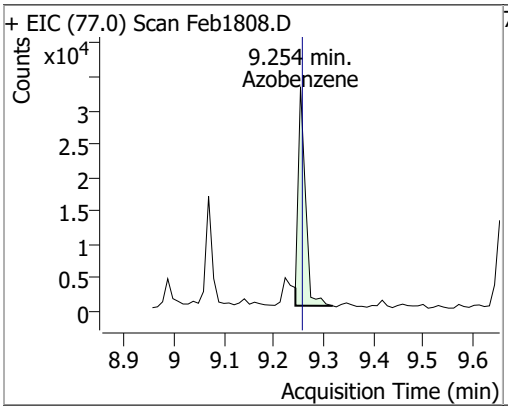
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	4.1405	9.22	-0.01	43107	168.0	58.2	44.0	81.7
					167.0	40.7	23.9	44.3

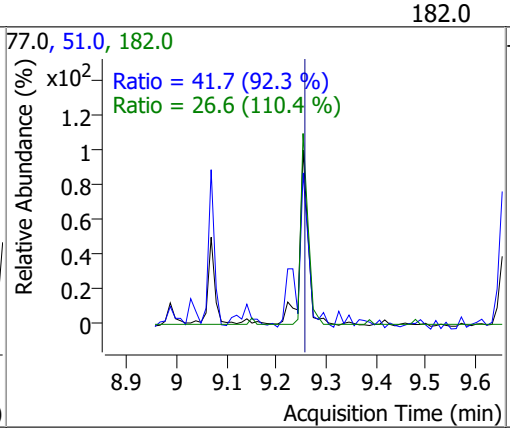


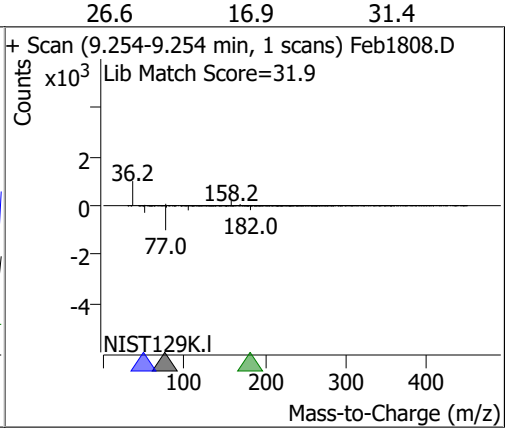




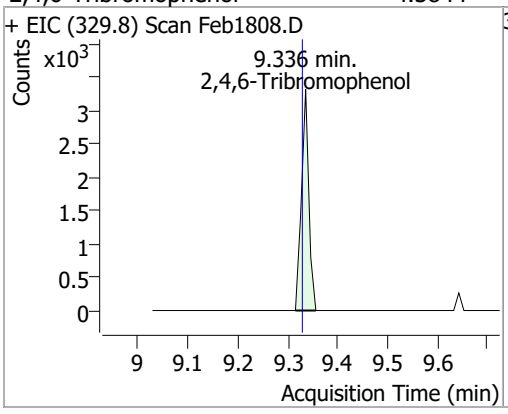
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	4.3215	9.25	-0.01	33003	51.0	41.7	31.6	58.7
					182.0	26.6	16.9	31.4

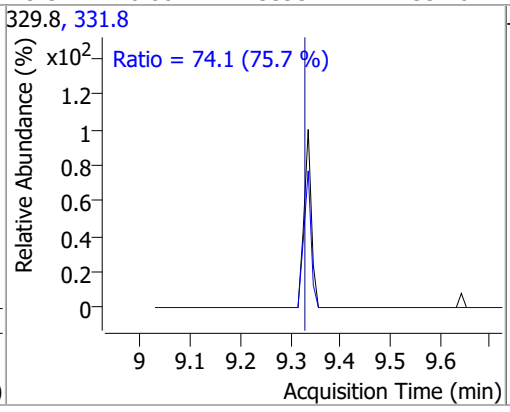


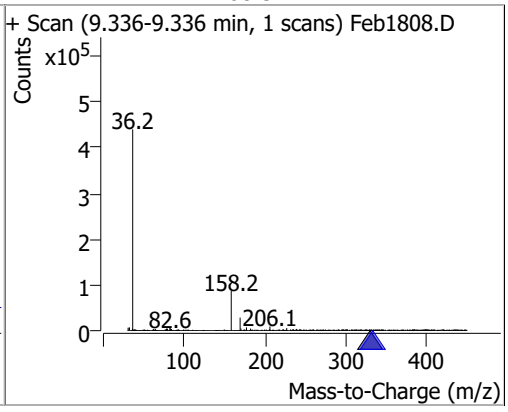




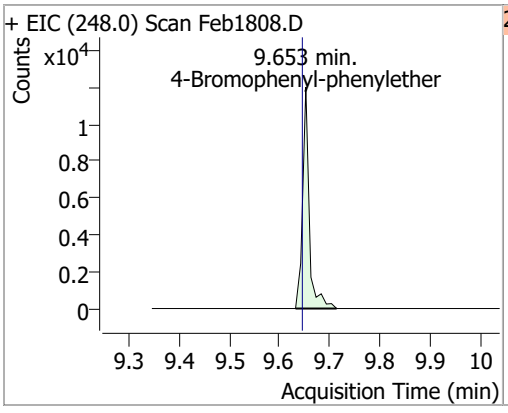
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	4.3844	9.34	0.00	3393	331.8	74.1	68.5	127.2

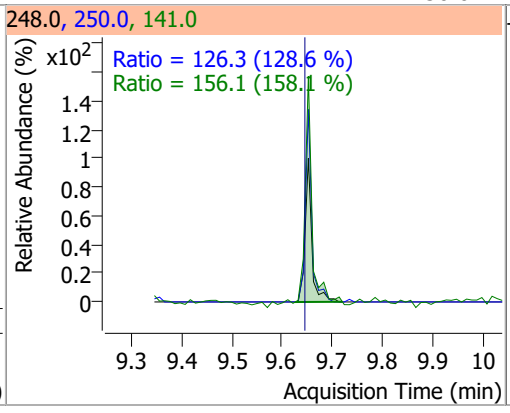


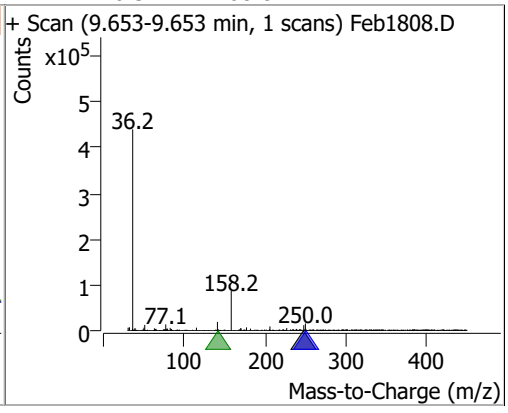




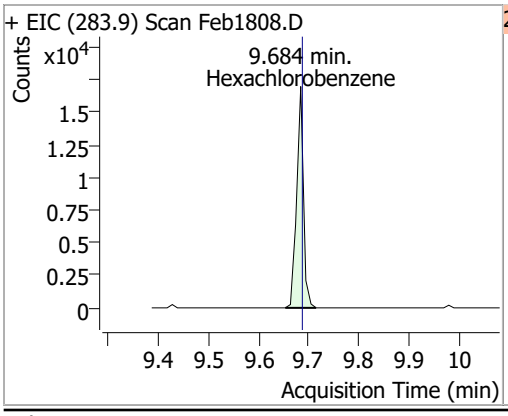
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	3.9074	9.65	0.00	11110	141.0	156.1	69.1	128.4
					250.0	126.3	68.8	127.7

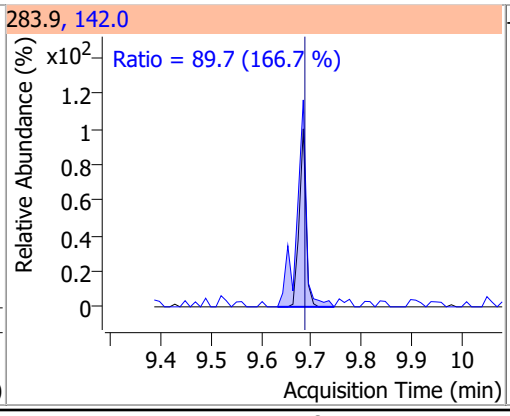


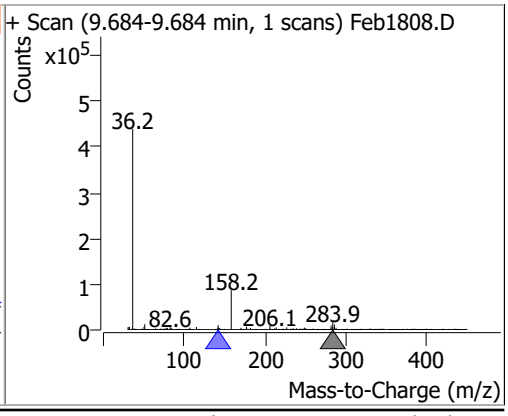




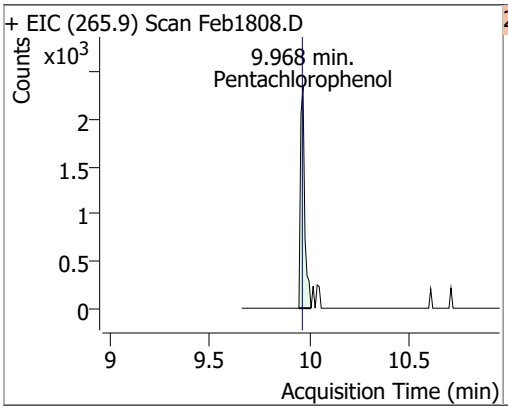
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	4.2137	9.68	-0.01	15953	142.0	89.7	37.7	70.0

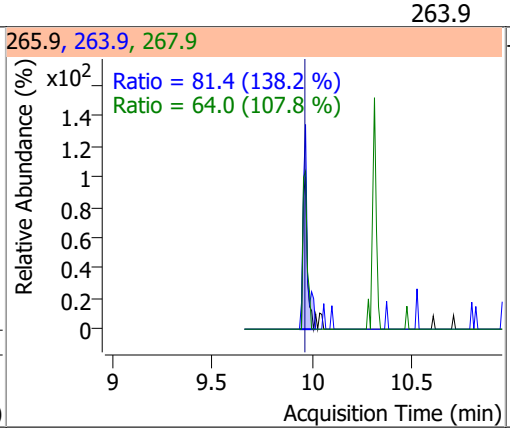


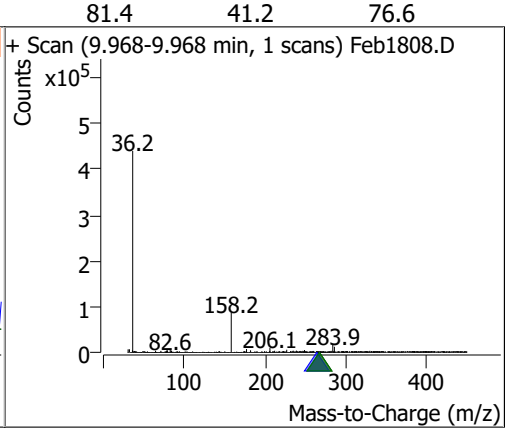




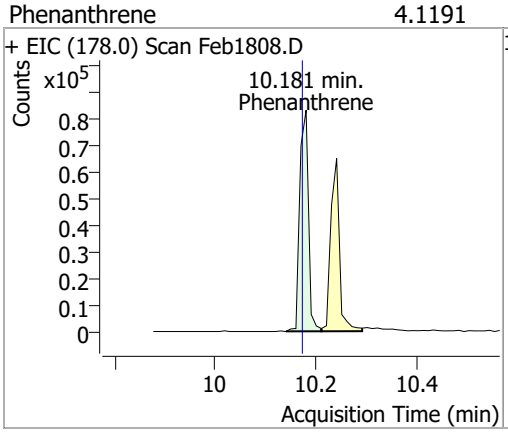
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	4.3365	9.97	0.00	3504	267.9	64.0	41.5	77.2
					263.9	81.4	41.2	76.6

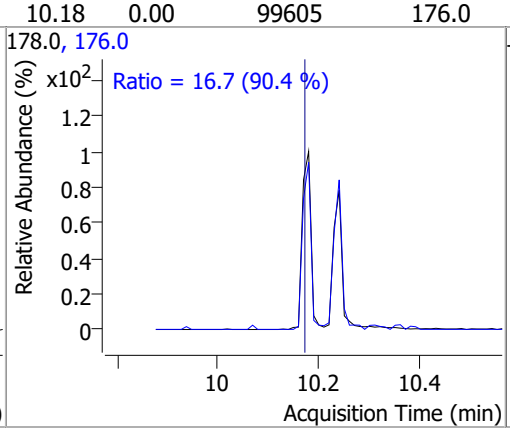


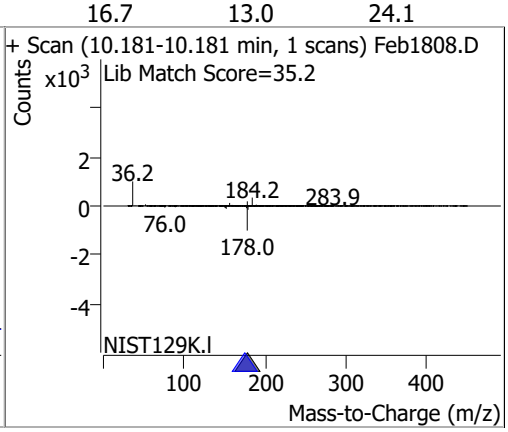




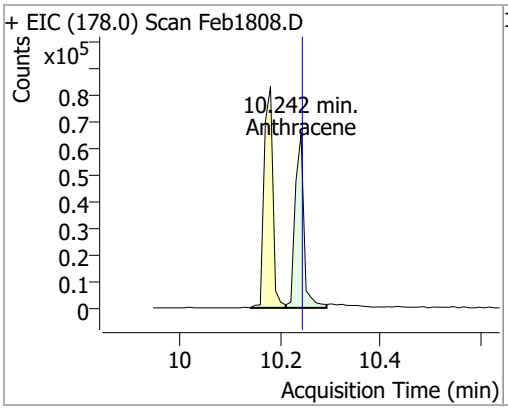
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	4.1191	10.18	0.00	99605	176.0	16.7	13.0	24.1

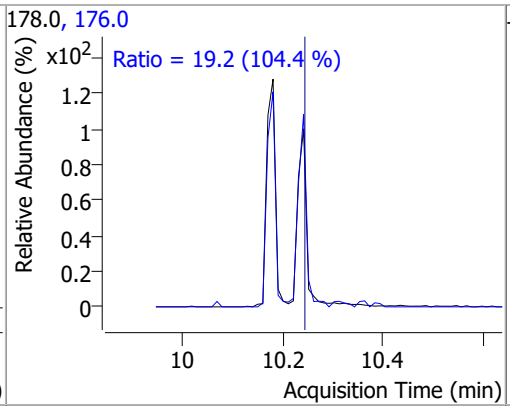


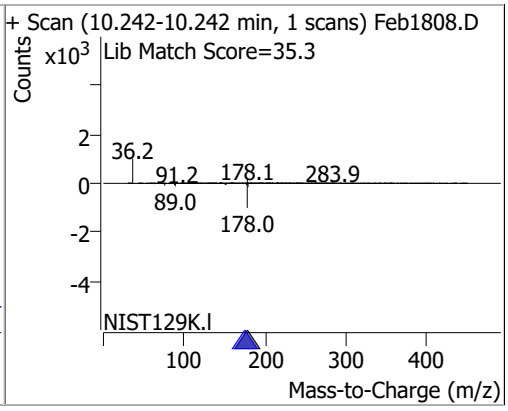




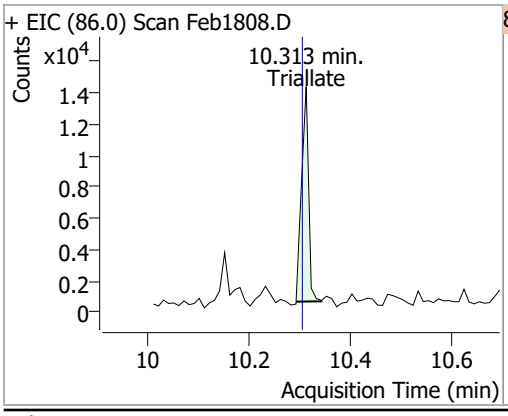
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	3.9209	10.24	-0.01	78978	176.0	19.2	12.9	23.9

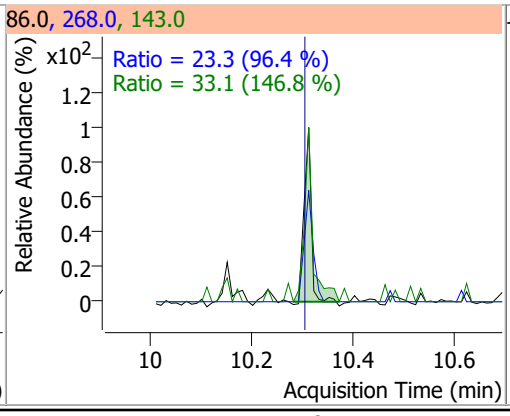


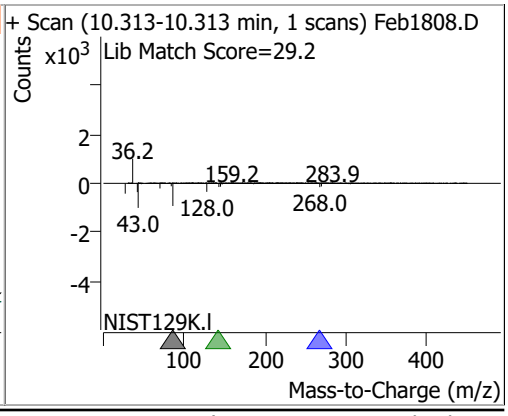




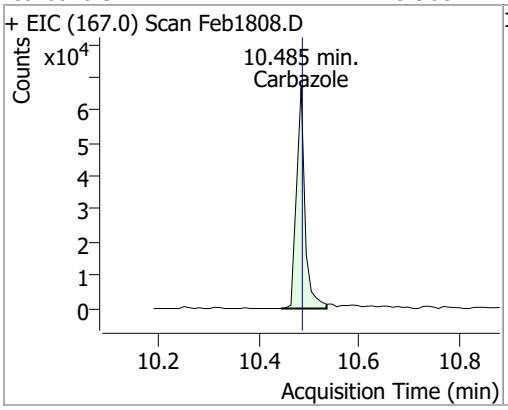
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	4.3118	10.31	0.00	11113	268.0	23.3	16.9	31.4
					143.0	33.1	15.8	29.3

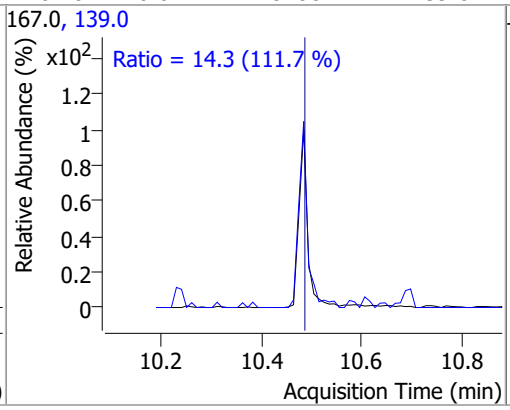


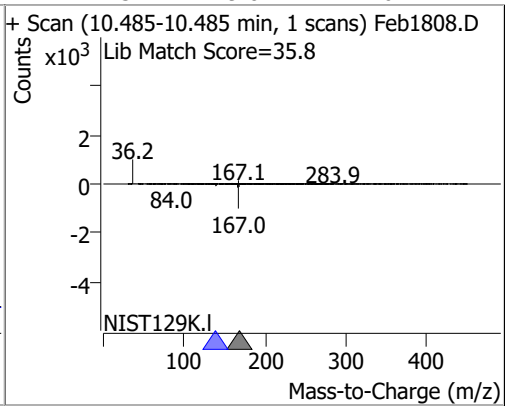




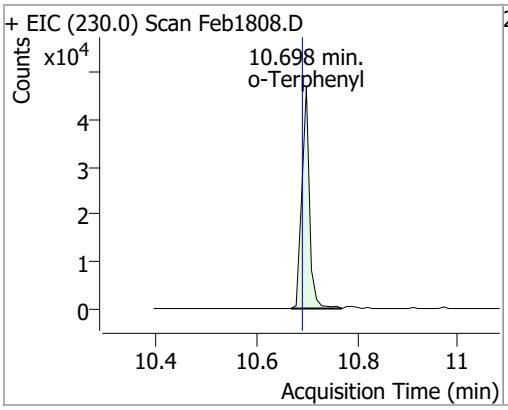
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	3.9681	10.48	-0.01	78288	139.0	14.3	9.0	16.7

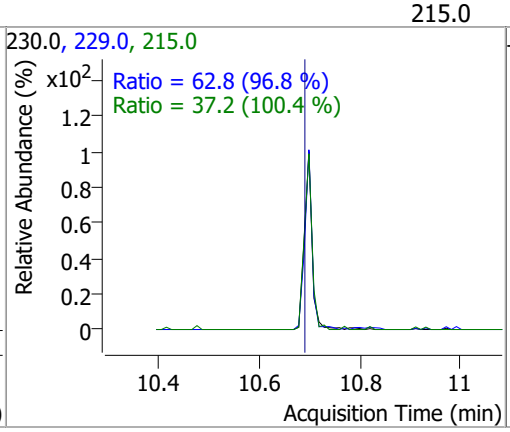


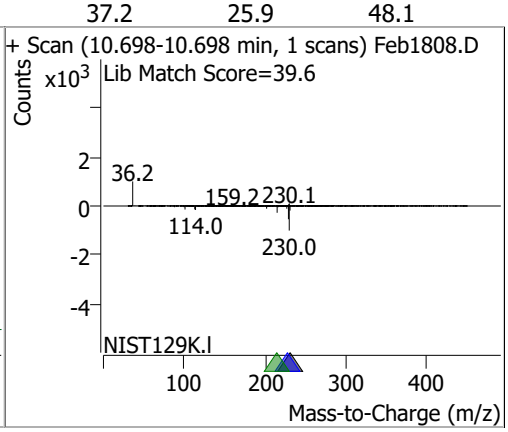




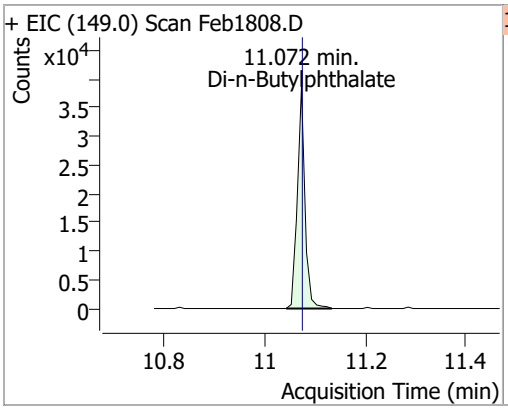
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	4.1955	10.70	0.00	49755	229.0	62.8	45.4	84.3
					215.0	37.2	25.9	48.1

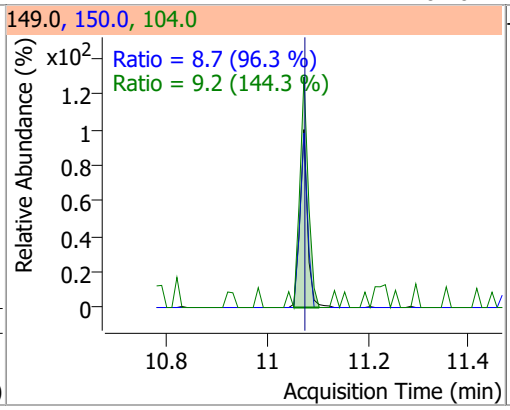


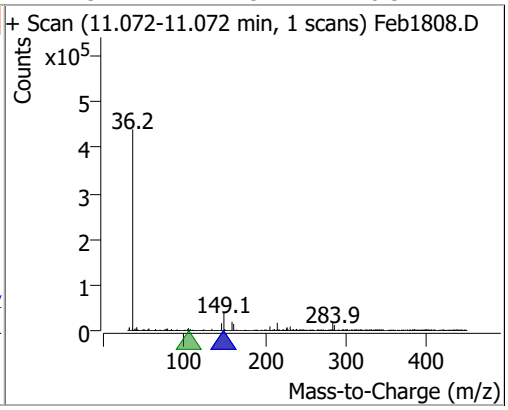




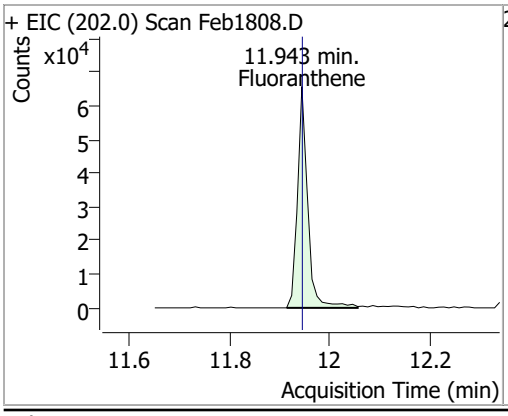
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	4.6518	11.07	-0.01	40976	150.0	8.7	6.3	11.8
					104.0	9.2	4.5	8.3

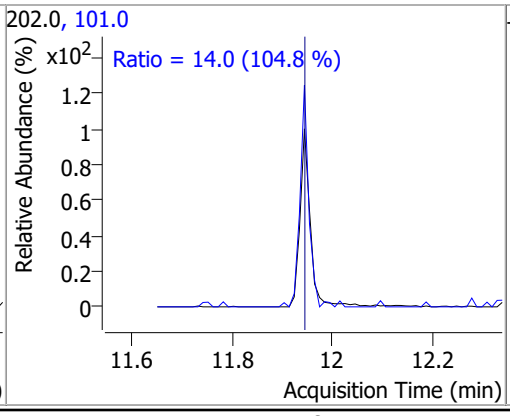


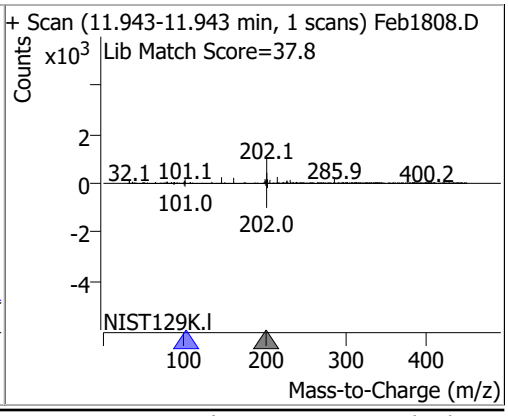




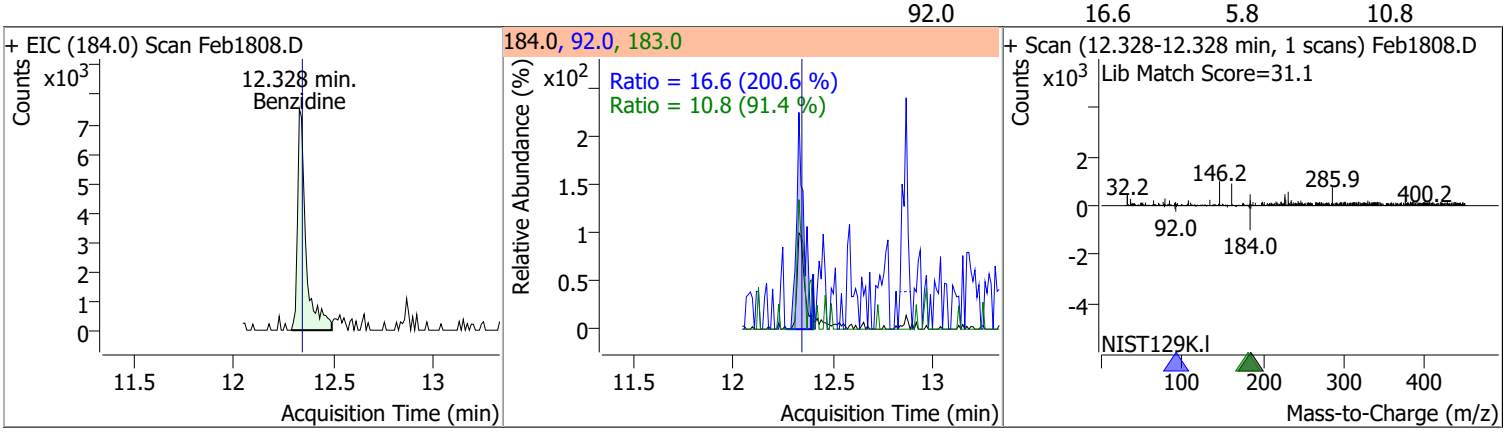
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	3.9622	11.94	-0.01	93335	101.0	14.0	9.4	17.4



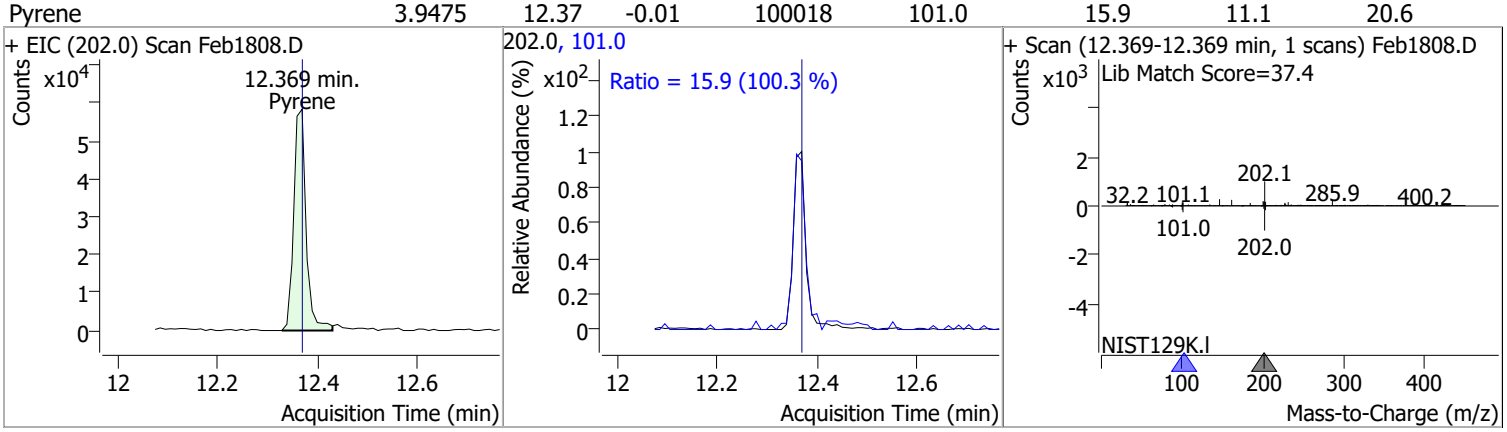




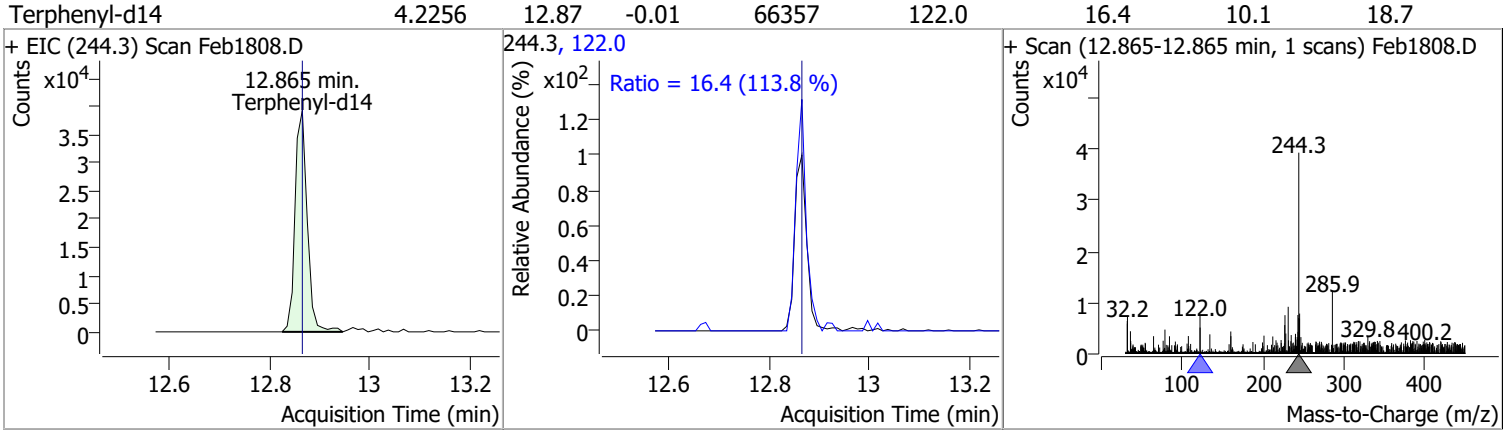
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	4.2042	12.33	-0.02	22030	183.0	10.8	8.3	15.4
					92.0	16.6	5.8	10.8



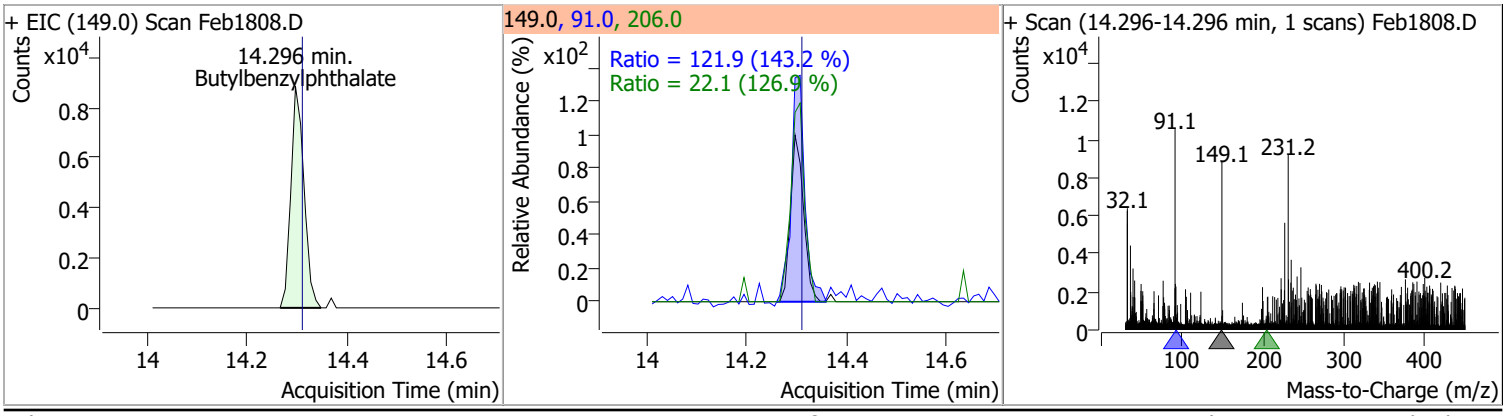
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	3.9475	12.37	-0.01	100018	101.0	15.9	11.1	20.6



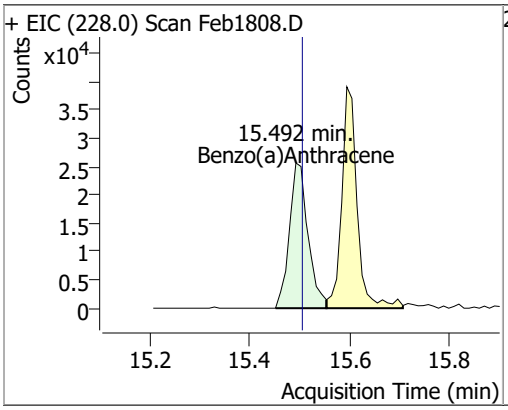
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	4.2256	12.87	-0.01	66357	122.0	16.4	10.1	18.7

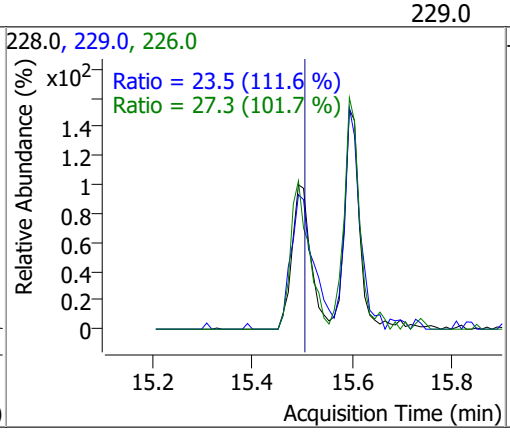


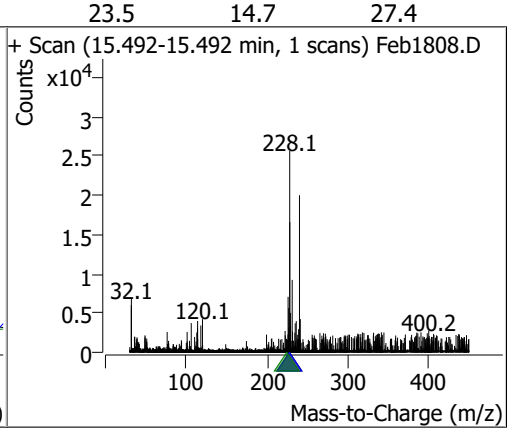
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	4.4368	14.30	-0.02	16114	91.0	121.9	59.6	110.6
					206.0	22.1	12.2	22.7



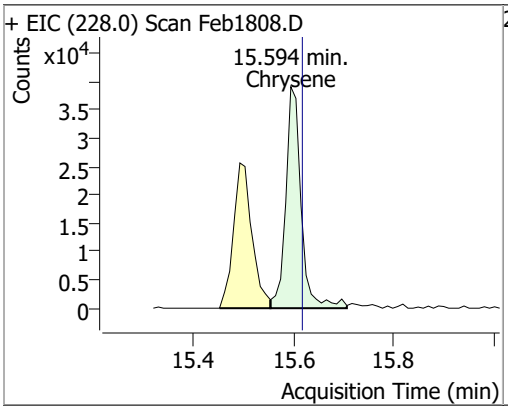
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	3.8821	15.49	-0.02	66223	226.0	27.3	18.8	34.9
					229.0	23.5	14.7	27.4

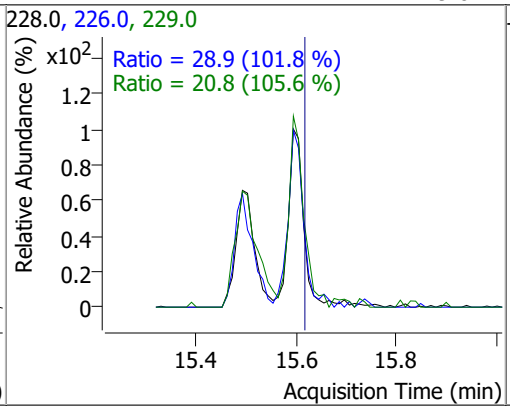


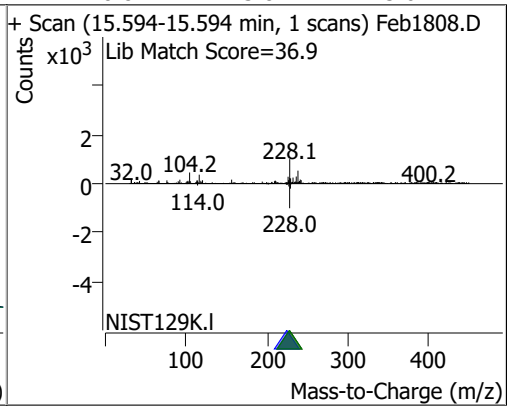




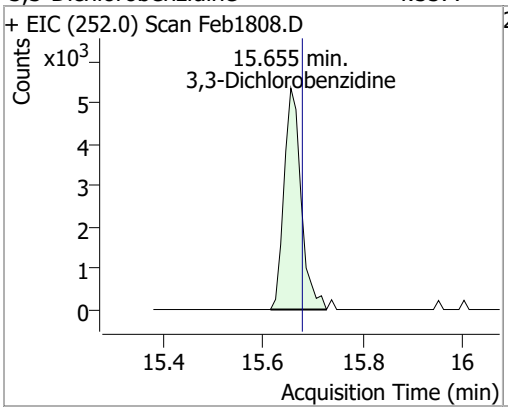
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	4.1164	15.59	-0.03	83685	226.0	28.9	19.9	36.9
					229.0	20.8	13.8	25.6

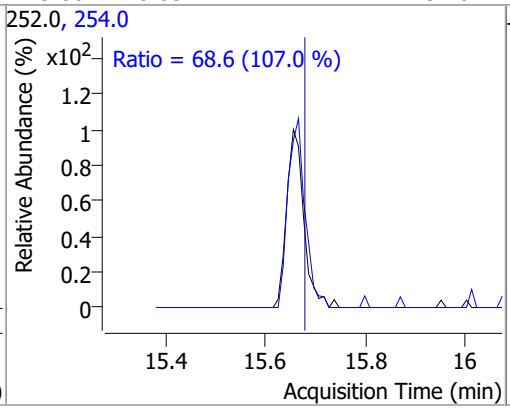


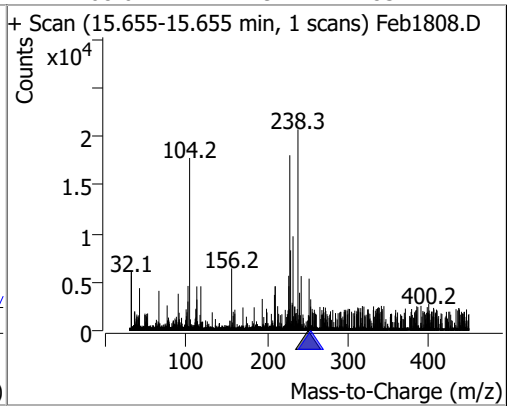




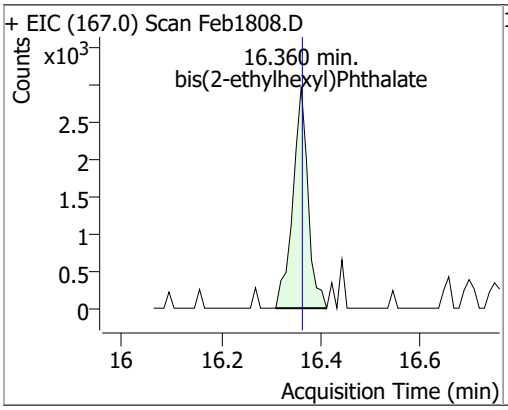
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	4.5577	15.66	-0.03	12724	254.0	68.6	44.9	83.4

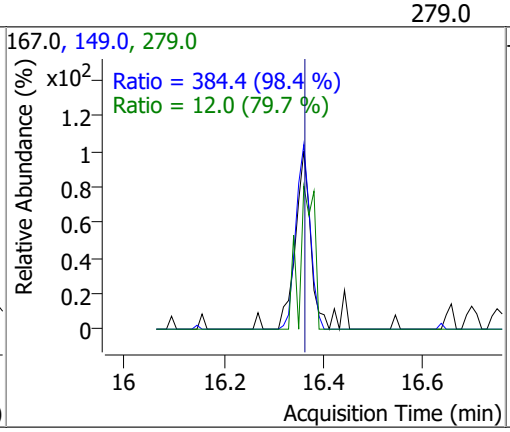


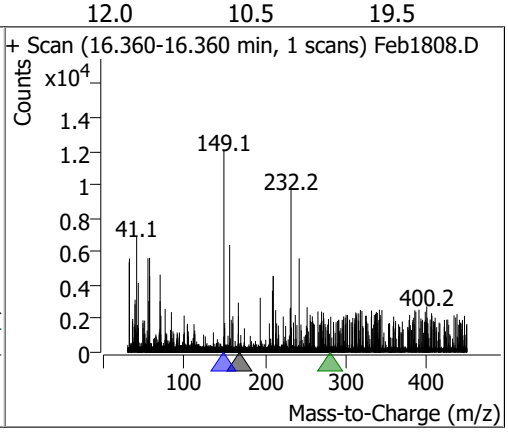




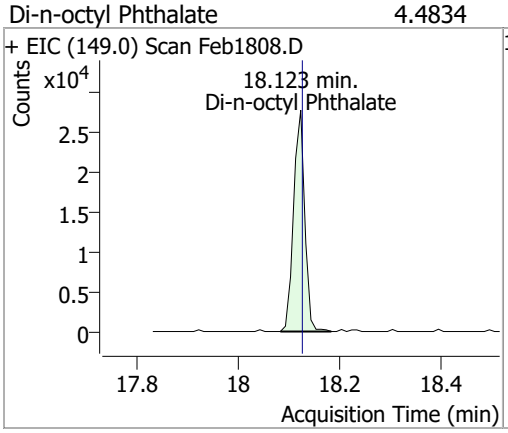
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	4.2962	16.36	-0.01	6272	149.0	384.4	273.6	508.0
					279.0	12.0	10.5	19.5

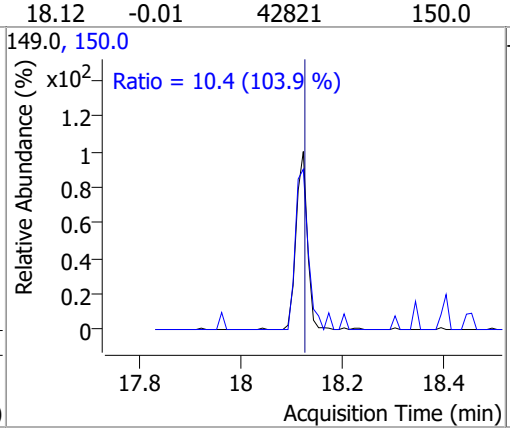


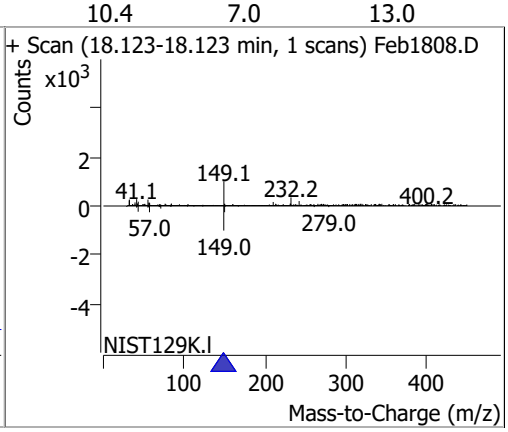




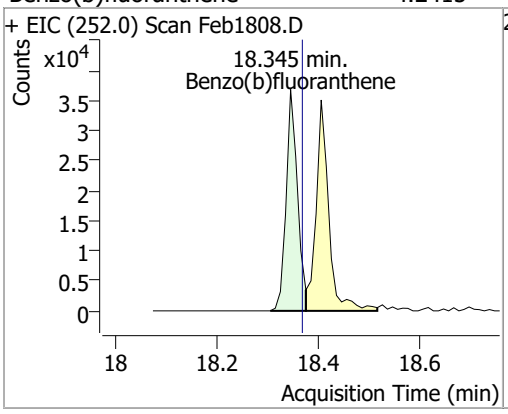
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	4.4834	18.12	-0.01	42821	150.0	10.4	7.0	13.0

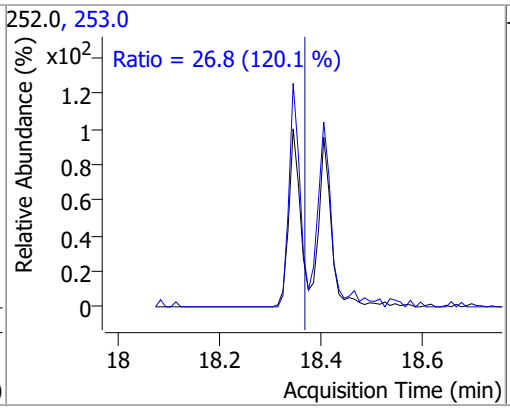


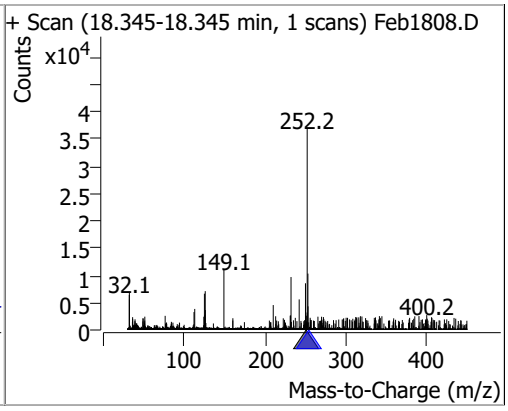




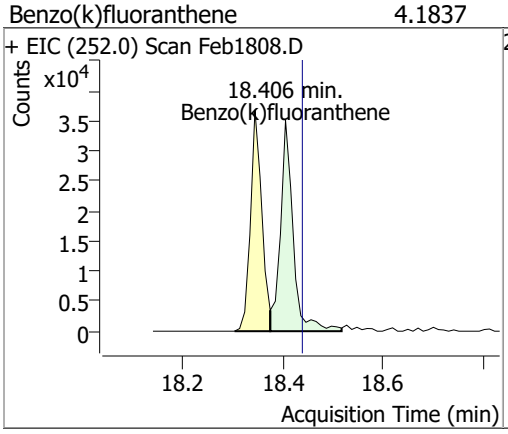
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	4.2415	18.35	-0.03	57119	253.0	26.8	15.6	29.0

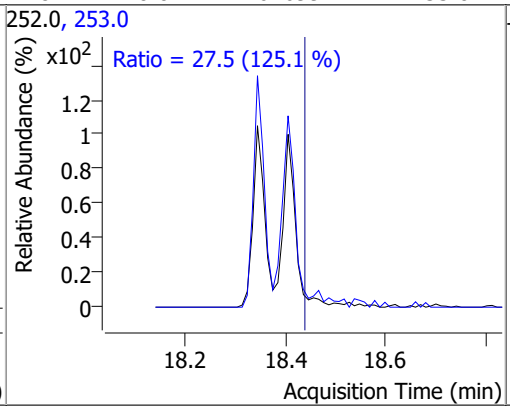


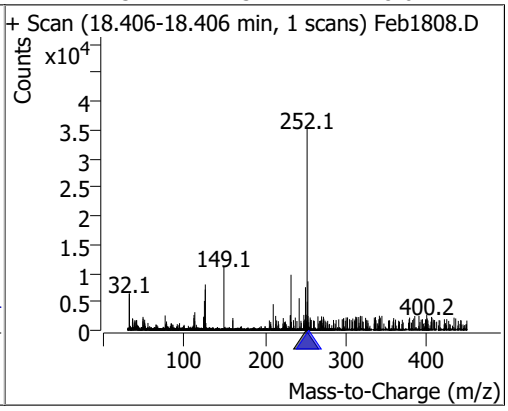




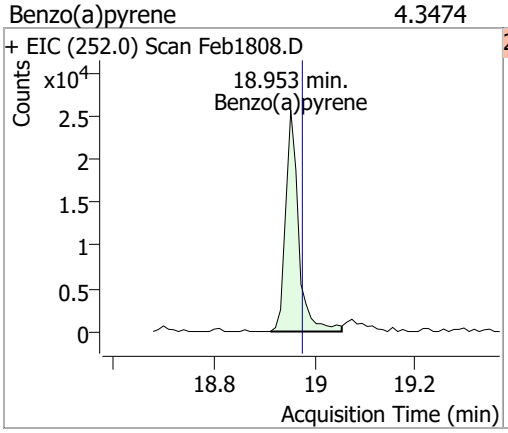
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	4.1837	18.41	-0.04	61699	253.0	27.5	15.4	28.6

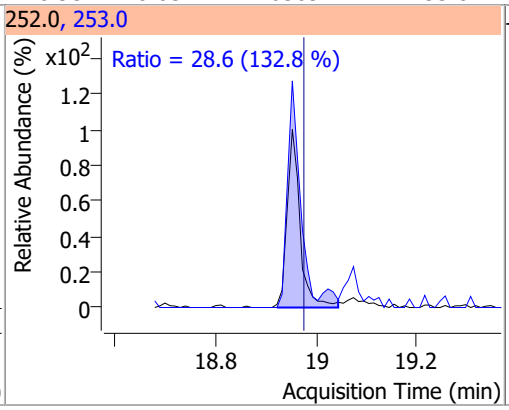


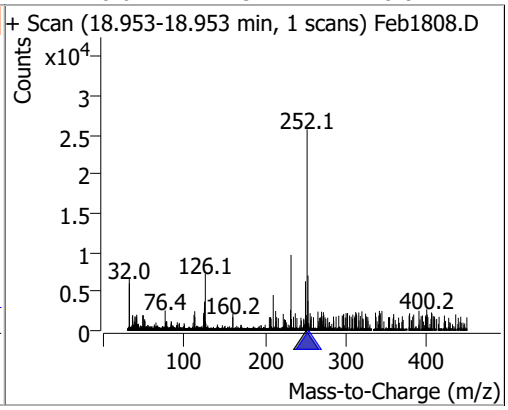




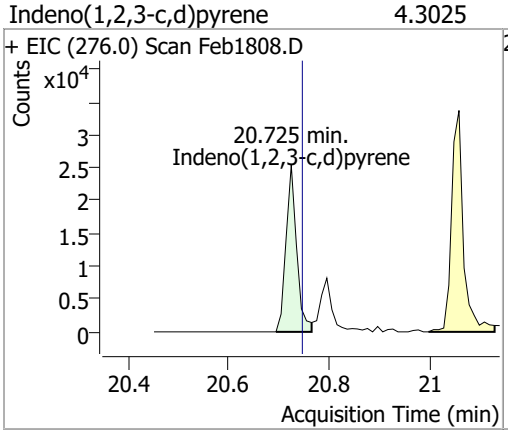
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	4.3474	18.95	-0.03	46309	253.0	28.6	15.1	28.0

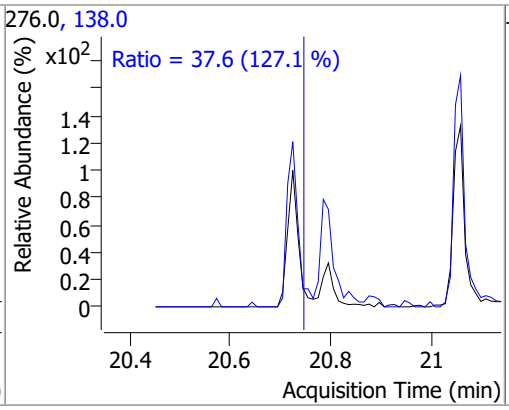


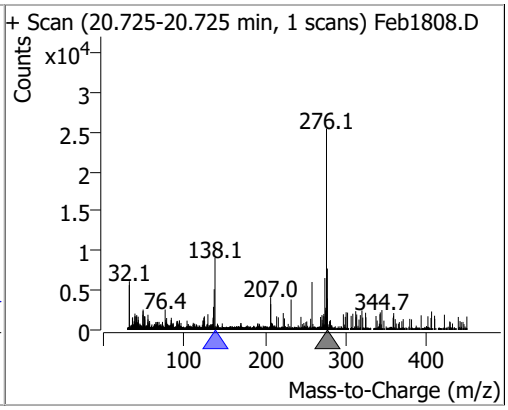




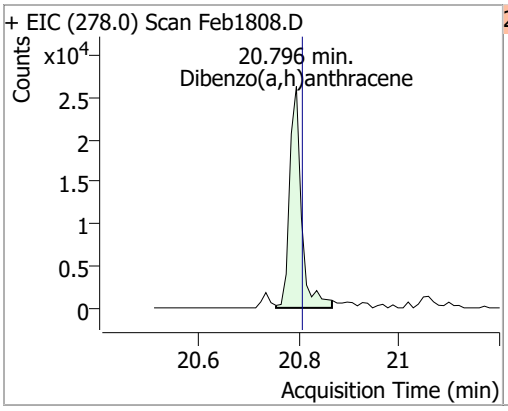
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	4.3025	20.72	-0.03	37542	138.0	37.6	20.7	38.5

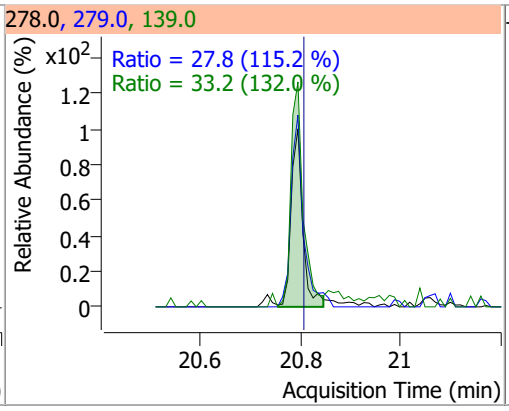


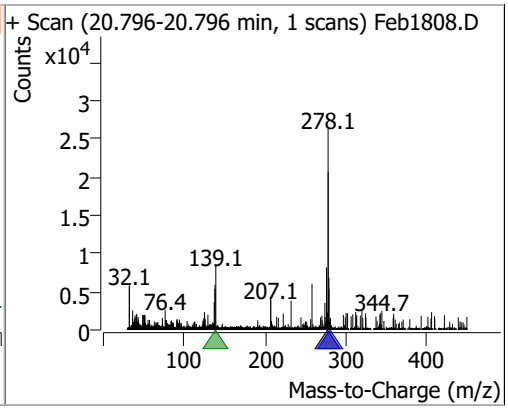




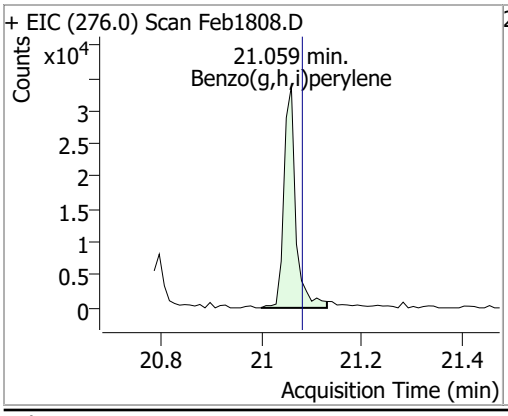
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	4.3328	20.80	-0.02	43122	139.0	33.2	17.6	32.7
					279.0	27.8	16.9	31.3

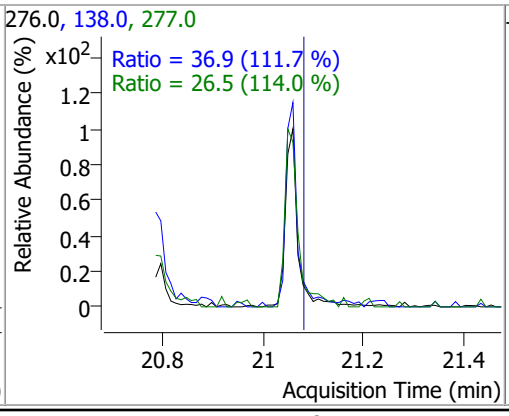


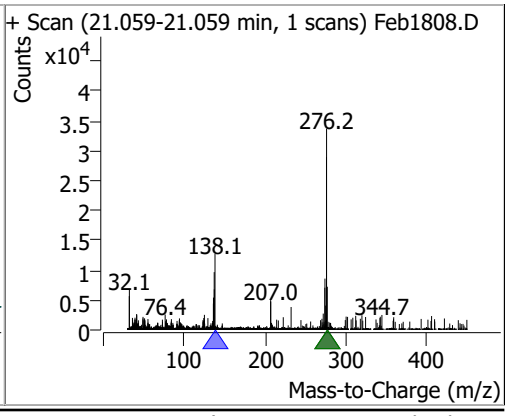




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	4.2432	21.06	-0.03	55564	138.0	36.9	23.1	42.9
					277.0	26.5	16.3	30.2

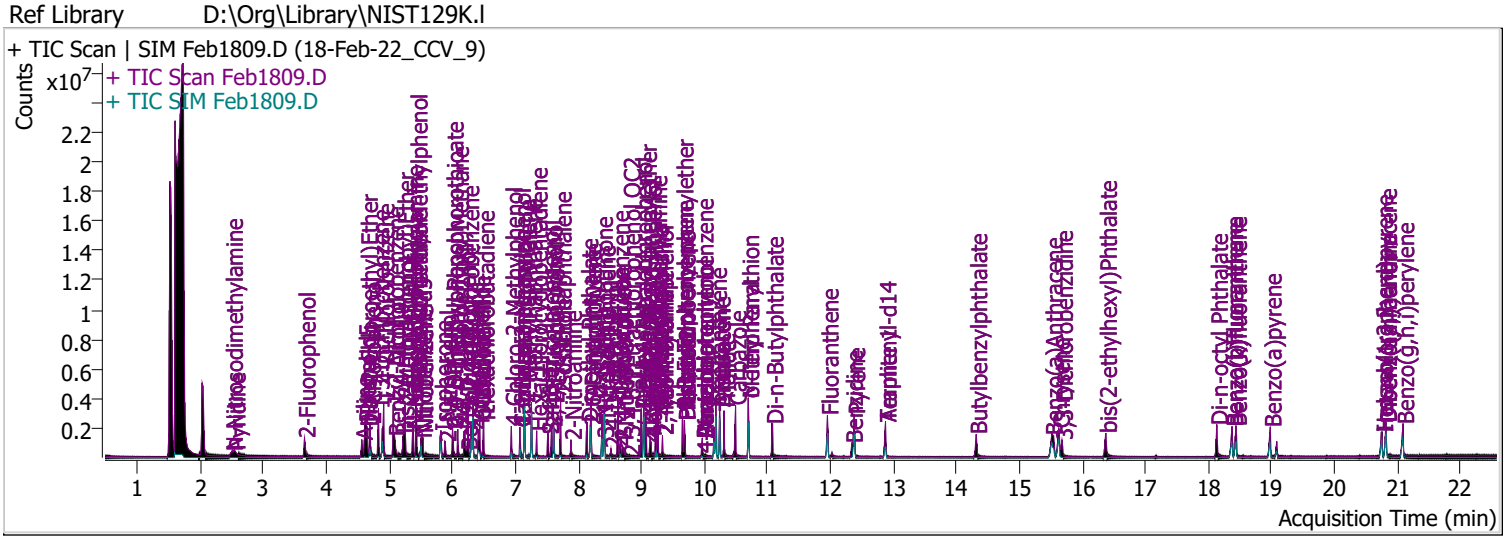






Quantitation Results Report (QT Reviewed)

Data File	Feb1809.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 12:20:05 PM
Sample Name	18-Feb-22_CCV_9	Instrument	Instrument #1
Vial	9	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



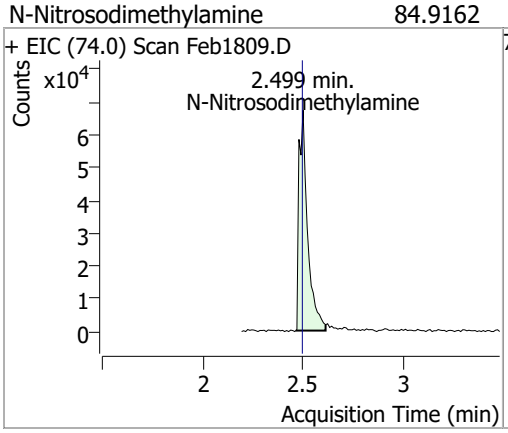
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	629648	81.6051	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 40.80%			
S Phenol-d5	4.613	99.0	772410	78.0649	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 39.03%			
S Nitrobenzene-d5	5.502	82.0	394242	71.6023	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 71.60%			
S 2-Fluorobiphenyl	7.605	172.0	1100230	67.6979	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 67.70%			
S 2,4,6-Tribromophenol	9.336	329.8	94811	74.0198	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 37.01%			
S Terphenyl-d14	12.875	244.3	1184579	72.4848	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 72.48%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.499	74.0	201549	84.9162	µg/L		95
T Pyridine	2.540	79.0	505592	85.2331	µg/L		100
T Aniline	4.562	93.0	659983	46.5624	µg/L		96
T Phenol	4.623	94.0	922606	83.6403	µg/L		96
T bis(-2-Chloroethyl)Ether	4.644	63.0	605585	81.3944	µg/L		97
T 2-Chlorophenol	4.695	128.0	714073	81.3755	µg/L		100
T 1,3-Dichlorobenzene	4.828	146.0	912914	81.5694	µg/L		100
T 1,4-Dichlorobenzene	4.909	146.0	910418	81.0126	µg/L	m	98
T 1,2-Dichlorobenzene	5.063	146.0	890719	81.6838	µg/L		99
T Benzyl Alcohol	5.083	108.0	349450	78.5671	µg/L		93
T bis(2-chloroisopropyl)Ether	5.226	121.0	198614	66.6763	µg/L		100
T 2-Methylphenol	5.246	107.0	612115	80.0280	µg/L	m	95
T N-nitroso-Di-n-propylamine	5.369	70.0	442003	83.3946	µg/L		99
T 4Methylphenol/3Methylphenol	5.430	107.0	816321	78.3474	µg/L		99
T Hexachloroethane	5.430	117.0	259885	77.1157	µg/L		99

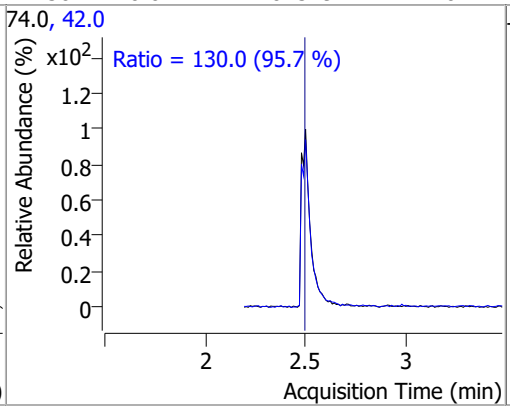
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.522	123.1	203074	72.6407	µg/L		98
T Isophorone	5.818	82.0	952075	73.0163	µg/L		100
T 2-Nitrophenol	5.890	139.0	230240	78.6630	µg/L		98
T 2,4-Dimethylphenol	6.003	122.0	471706	77.5019	µg/L		98
T bis(-2-Chloroethoxy)Methane	6.085	93.0	542758	71.5798	µg/L		93
T 2,4-Dichlorophenol	6.198	162.0	451820	77.6923	µg/L		97
T Benzoic Acid	6.229	105.0	237375	76.1167	µg/L		90
T 1,2,4-Trichlorobenzene	6.249	180.0	556684	80.1098	µg/L		98
T Naphthalene	6.331	128.0	1701484	82.4832	µg/L		99
T 4-Chlorophenol	6.413	130.0	174820	80.1371	µg/L		88
T p-Chloroaniline	6.434	127.0	596772	73.5230	µg/L		94
T Hexachlorobutadiene	6.496	224.9	286141	79.0445	µg/L		98
T 4-Chloro-2-Methylphenol	6.937	107.0	402121	74.4384	µg/L	m	96
T 4-Chloro-3-Methylphenol	7.071	107.0	449625	79.9010	µg/L	m	99
T 2-Methylnaphthalene	7.143	141.0	934925	79.5615	µg/L		99
T 1-Methylnaphthalene	7.256	141.0	864319	75.4676	µg/L		98
T Hexachlorocyclopentadiene	7.338	236.9	167582	73.3354	µg/L		99
T 2,4,6-Trichlorophenol	7.523	196.0	289067	72.3850	µg/L	m	99
T 2,4,5-Trichlorophenol	7.574	196.0	325852	72.8614	µg/L	m	97
T 2-Chloronaphthalene	7.718	162.0	1122871	82.2466	µg/L		99
T 2-Nitroaniline	7.882	65.0	161803	66.9049	µg/L		100
T Dimethyl Phthalate	8.139	163.0	1155106	83.8145	µg/L		99
T 2,6-Dinitrotoluene	8.190	165.0	139972	74.3170	µg/L		96
T Acenaphthylene	8.200	152.1	1526451	69.8871	µg/L		99
T 3-Nitroaniline	8.394	138.0	169184	78.9929	µg/L		97
T Acenaphthene	8.415	154.0	1009554	80.6345	µg/L		99
T 2,4-Dinitrophenol	8.517	184.0	68442	73.4507	µg/L		98
T Dibenzofuran	8.630	168.0	1641005	79.9136	µg/L		98
T 2,4-Dinitrotoluene	8.671	165.0	186566	79.2675	µg/L		100
T 4-Nitrophenol	8.701	109.0	178388	77.0307	µg/L		98
T Diethylphthalate	8.998	149.0	1166621	81.6817	µg/L		100
T Fluorene	9.039	166.0	1266305	76.9108	µg/L		100
T 4-Chlorophenyl-phenylether	9.070	204.0	542729	73.4968	µg/L		98
T 4-Nitroaniline	9.141	138.0	174323	77.0022	µg/L		98
T 4,6-Dinitro-2-methylphenol	9.151	198.0	94058	69.9760	µg/L		99
T N-nitrosodiphenylamine	9.233	169.0	880335	82.3616	µg/L		99
T Azobenzene	9.264	77.0	1088752	77.2870	µg/L		91
T 4-Bromophenyl-phenylether	9.653	248.0	303382	75.6263	µg/L		96
T Hexachlorobenzene	9.683	283.9	307143	74.6326	µg/L		99
T Pentachlorophenol	9.968	265.9	154444	80.7752	µg/L		97
T Phenanthrene	10.181	178.0	1690096	75.7953	µg/L		99
T Anthracene	10.242	178.0	1595291	76.1040	µg/L		100
T Triallate	10.313	86.0	390681	78.3979	µg/L		96
T Carbazole	10.495	167.0	1718160	80.7772	µg/L		99
T o-Terphenyl	10.697	230.0	880627	74.5678	µg/L		99
T Di-n-Butylphthalate	11.082	149.0	1581866	79.0134	µg/L		100
T Fluoranthene	11.953	202.0	1727903	77.6312	µg/L		98
T Benzidine	12.338	184.0	590851	75.0213	µg/L		99
T Pyrene	12.379	202.0	1840668	75.7452	µg/L		98
T Butylbenzylphthalate	14.316	149.0	535896	80.5784	µg/L		96
T Benzo(a)Anthracene	15.512	228.0	1445216	82.3594	µg/L		99
T Chrysene	15.624	228.0	1558124	79.3013	µg/L		97
T 3,3-Dichlorobenzidine	15.675	252.0	412447	67.7817	µg/L		100
T bis(2-ethylhexyl)Phthalate	16.370	167.0	177710	78.2900	µg/L		99
T Di-n-octyl Phthalate	18.133	149.0	1235233	78.7517	µg/L		99

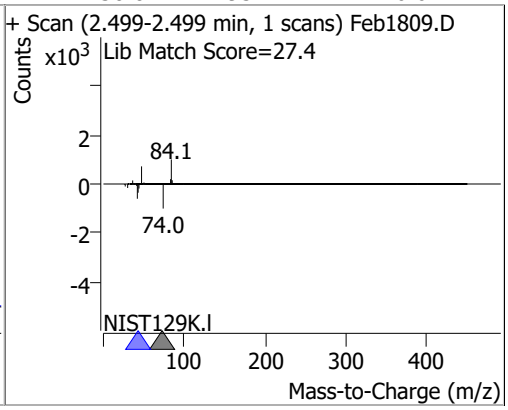
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.376	252.0	1337400	77.1232	µg/L	99
T Benzo(k)fluoranthene	18.436	252.0	1401698	76.8826	µg/L	98
T Benzo(a)pyrene	18.983	252.0	1242141	75.6708	µg/L	99
T Indeno(1,2,3-c,d)pyrene	20.755	276.0	1059011	76.8896	µg/L	96
T Dibenzo(a,h)anthracene	20.816	278.0	1185669	79.0840	µg/L	99
T Benzo(g,h,i)perylene	21.089	276.0	1251600	78.8525	µg/L	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

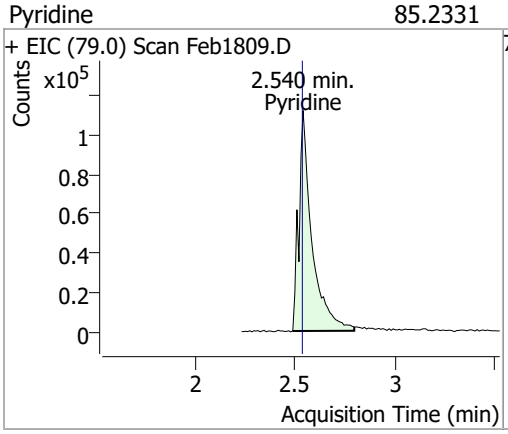
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	84.9162	2.50	0.01	201549	42.0	130.0	95.1	176.6

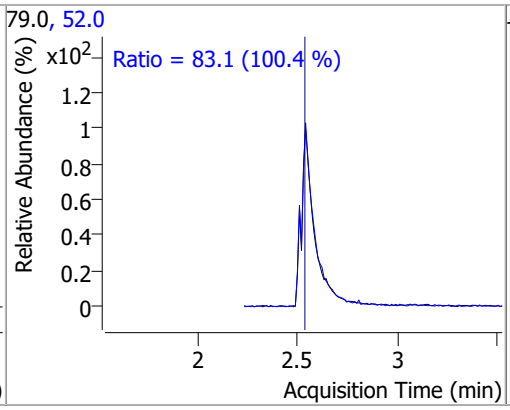


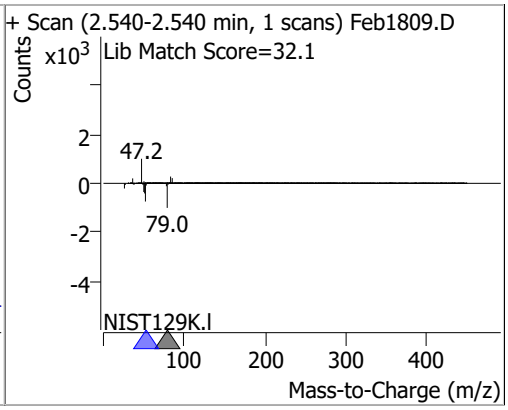




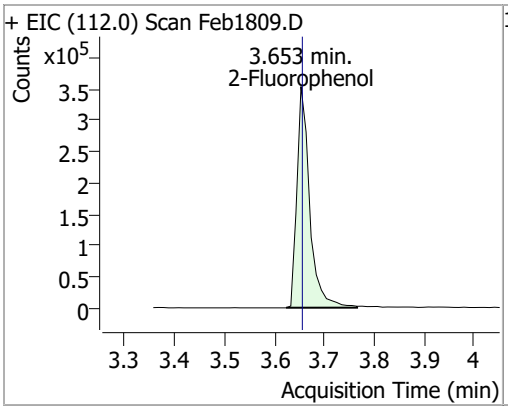
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	85.2331	2.54	0.01	505592	52.0	83.1	57.9	107.6

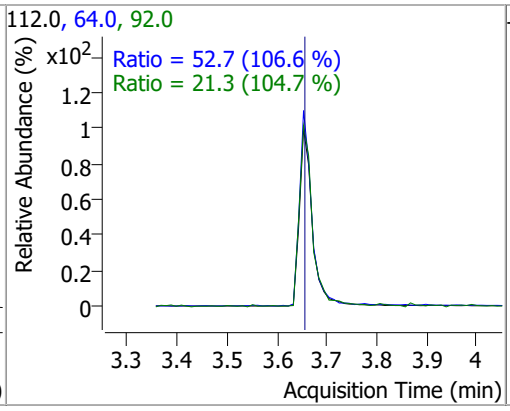


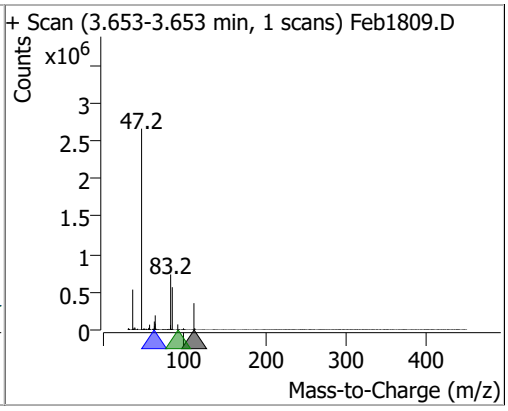




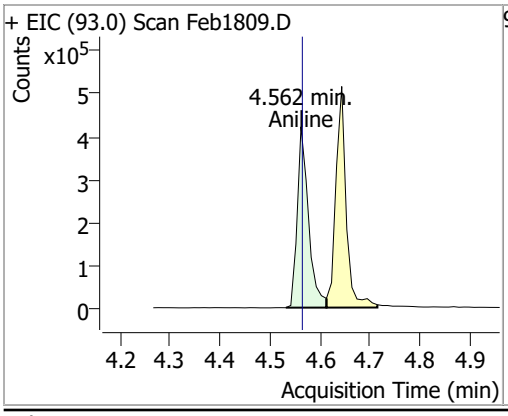
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	81.6051	3.65	0.00	629648	64.0	52.7	34.6	64.3
					92.0	21.3	14.2	26.5

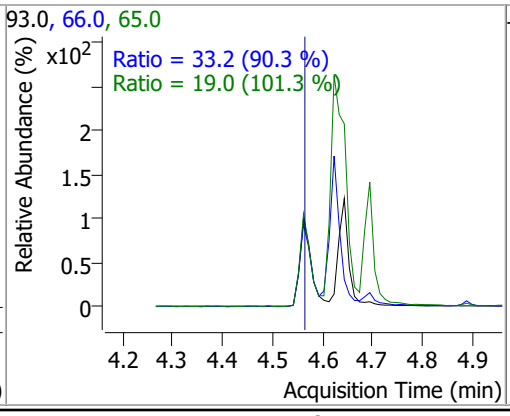


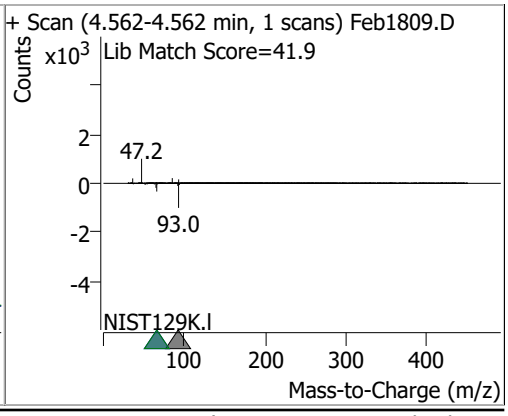




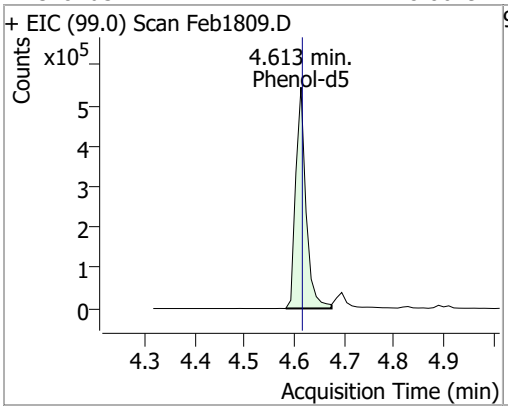
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	46.5624	4.56	0.00	659983	66.0	33.2	25.7	47.8
					65.0	19.0	13.1	24.4

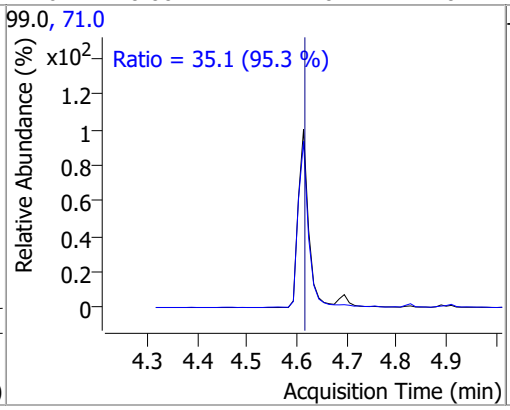


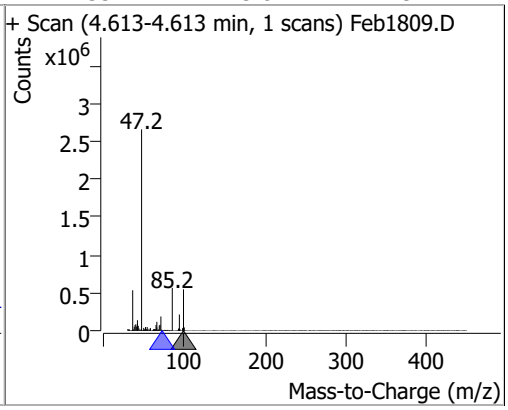




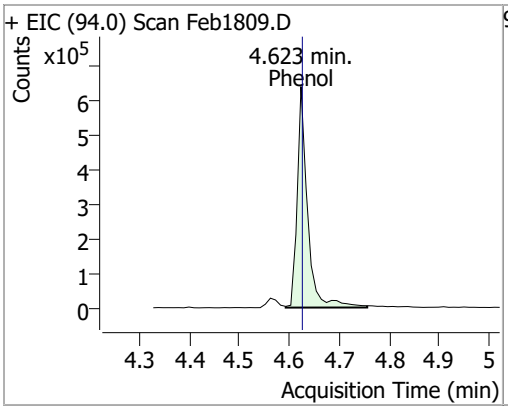
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	78.0649	4.61	0.00	772410	71.0	35.1	25.8	47.9

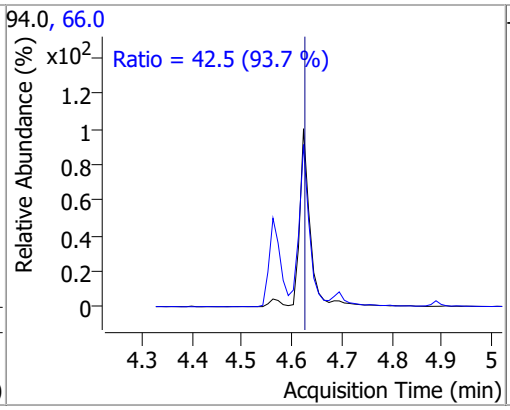


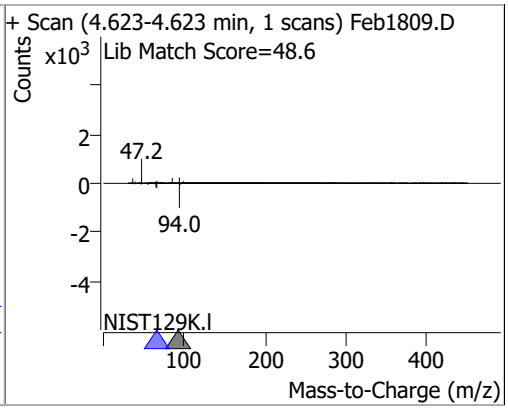




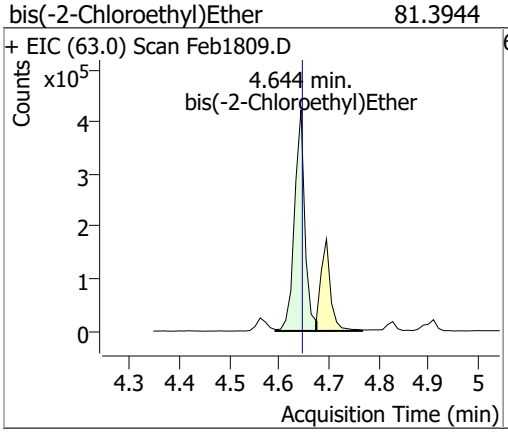
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	83.6403	4.62	0.00	922606	66.0	42.5	31.7	58.9

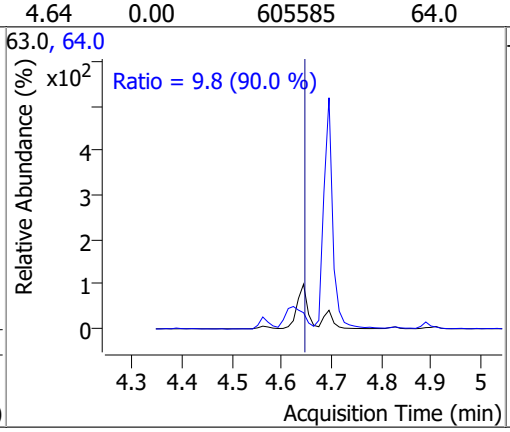


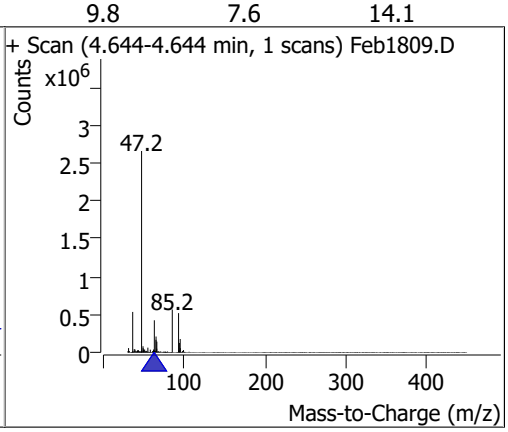




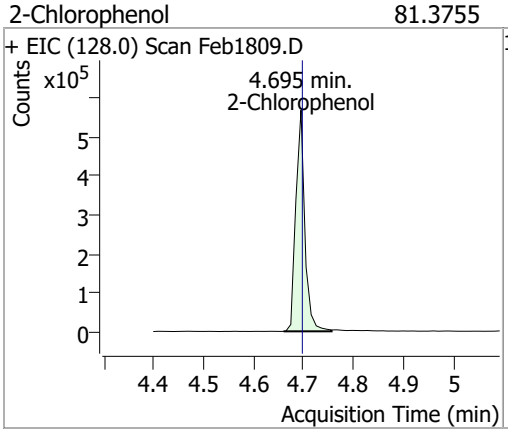
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	81.3944	4.64	0.00	605585	64.0	9.8	7.6	14.1

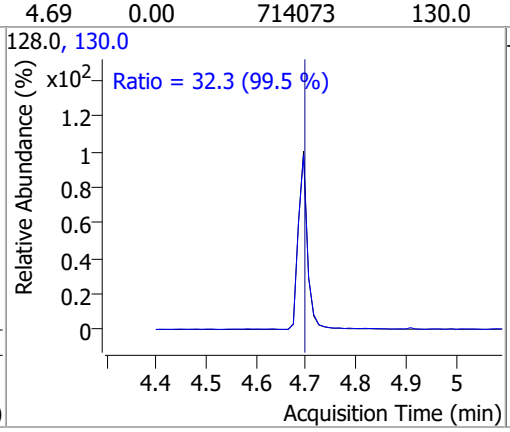


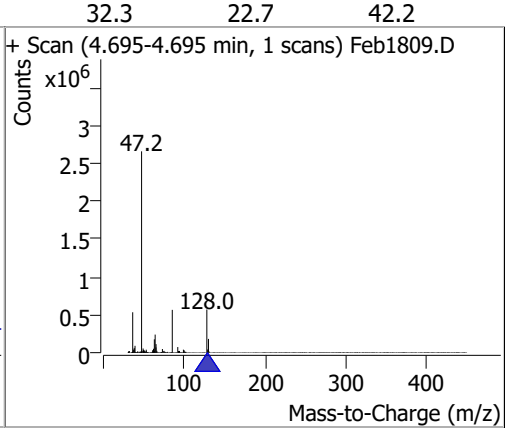




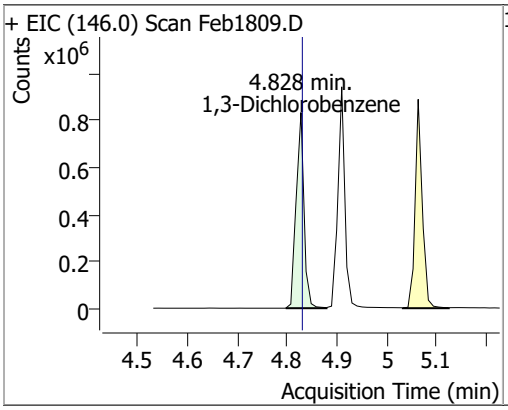
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	81.3755	4.69	0.00	714073	130.0	32.3	22.7	42.2

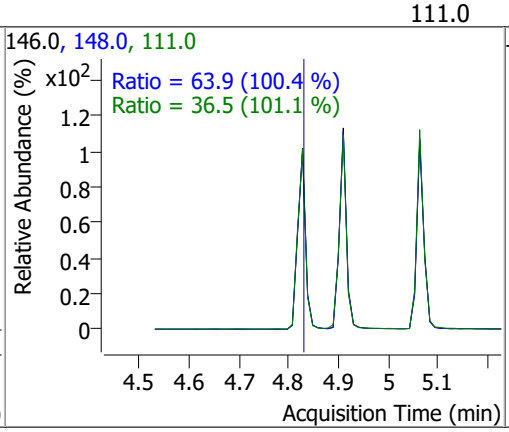


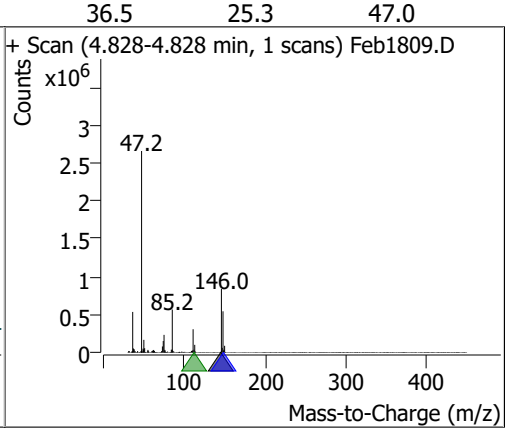




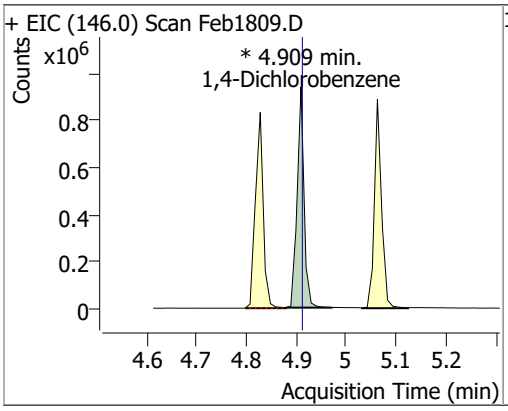
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	81.5694	4.83	0.00	912914	148.0	63.9	44.6	82.8
					111.0	36.5	25.3	47.0

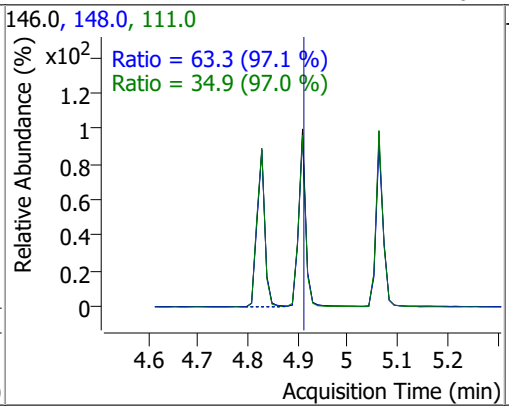


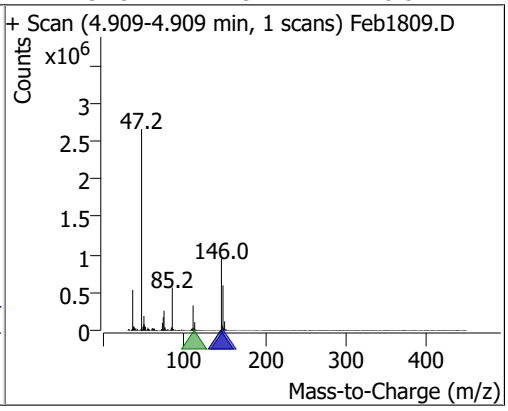




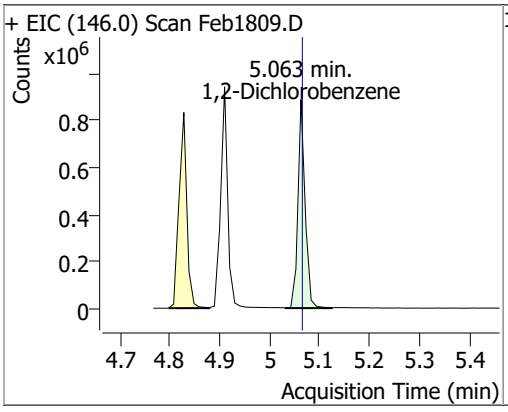
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	81.0126	4.91	0.00	910418 (m)	148.0	63.3	45.6	84.8
					111.0	34.9	25.2	46.8

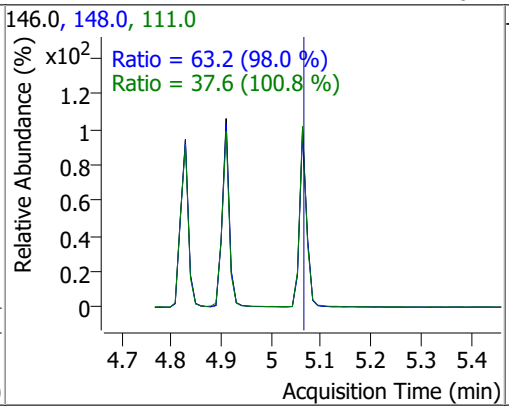


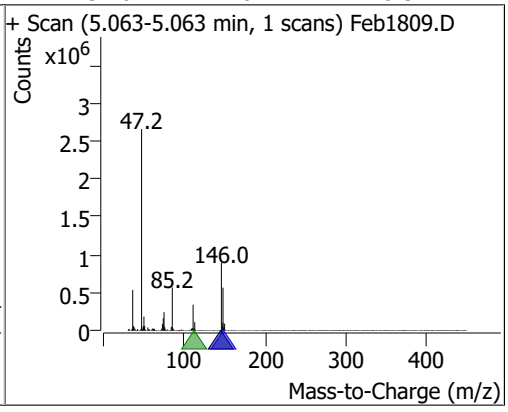




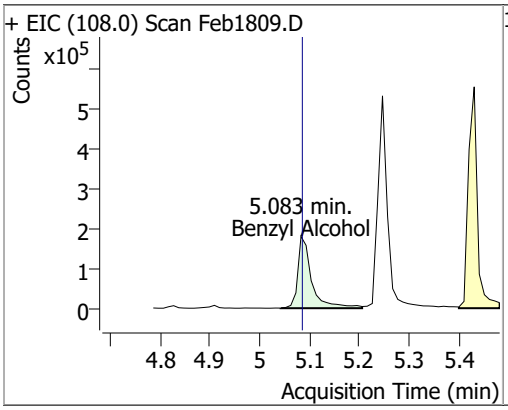
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	81.6838	5.06	0.00	890719	148.0	63.2	45.1	83.8
					111.0	37.6	26.1	48.5

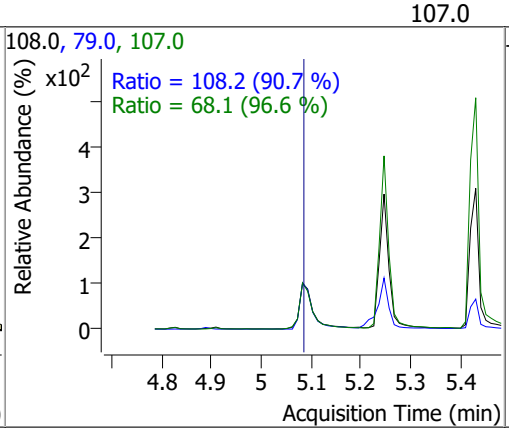


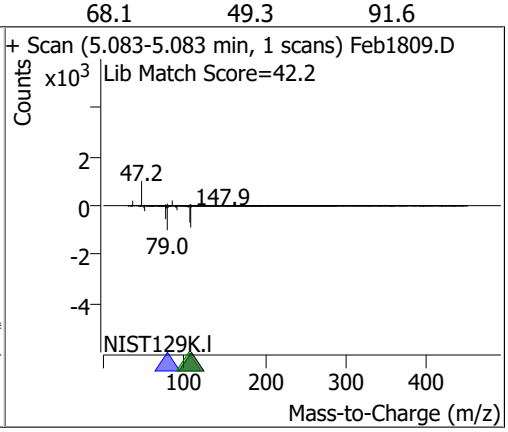




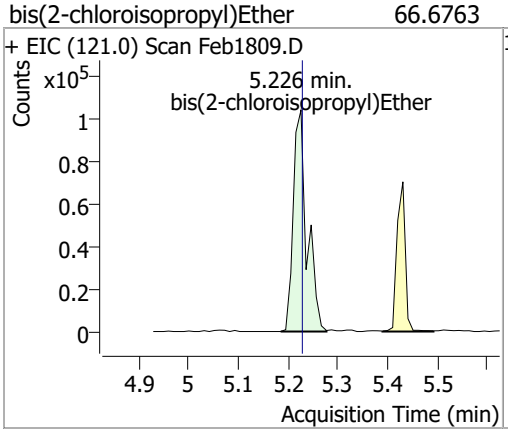
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	78.5671	5.08	0.00	349450	79.0	108.2	83.5	155.1
					107.0	68.1	49.3	91.6

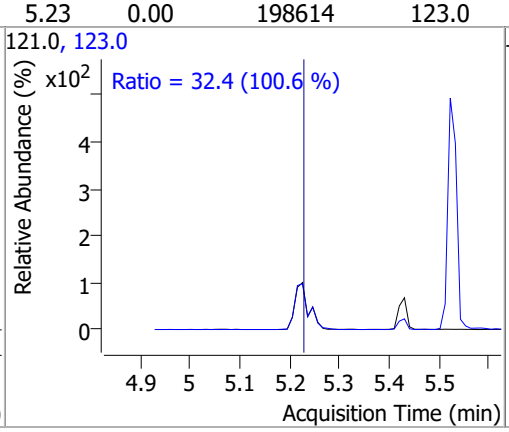


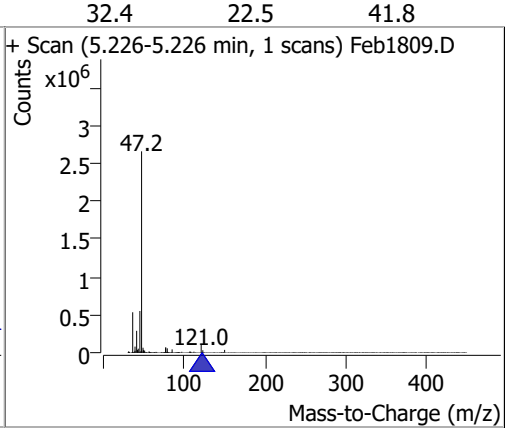




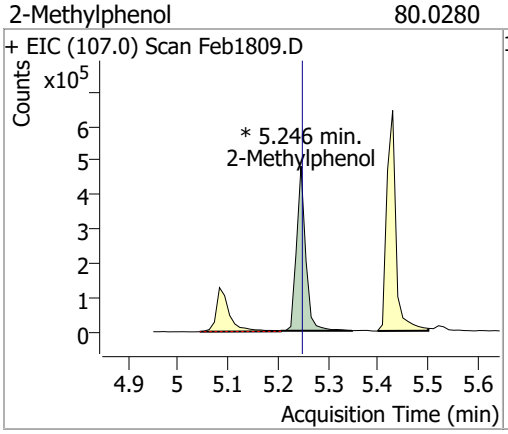
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	66.6763	5.23	0.00	198614	123.0	32.4	22.5	41.8

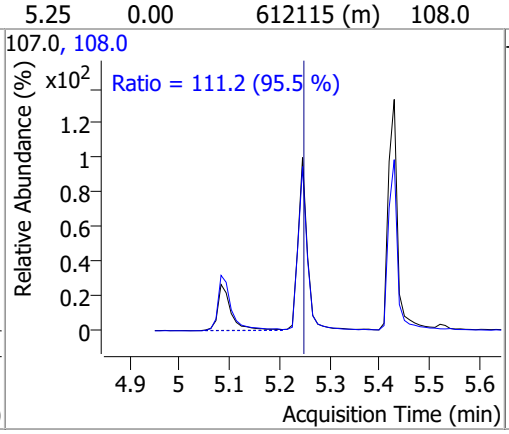


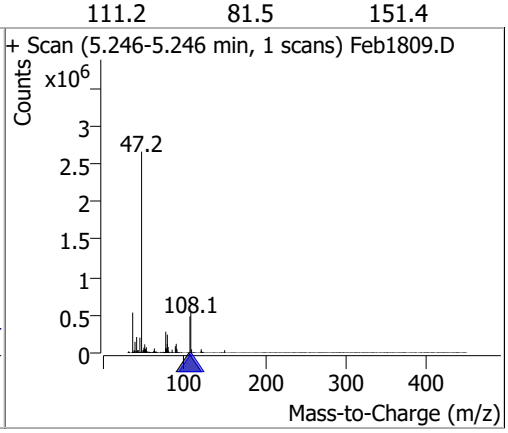




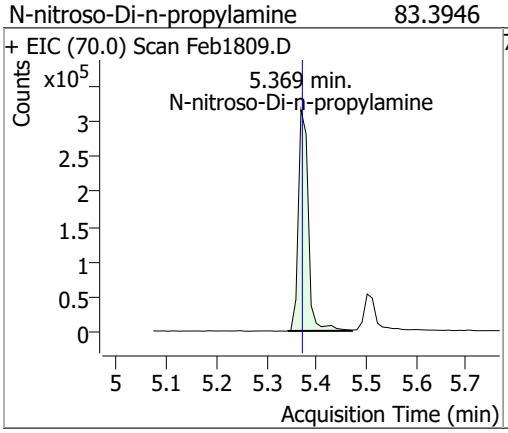
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	80.0280	5.25	0.00	612115 (m)	108.0	111.2	81.5	151.4

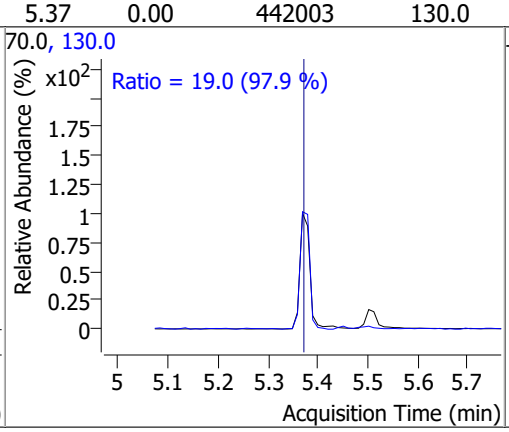


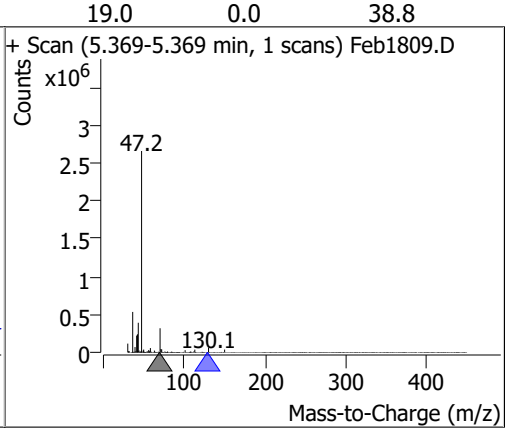




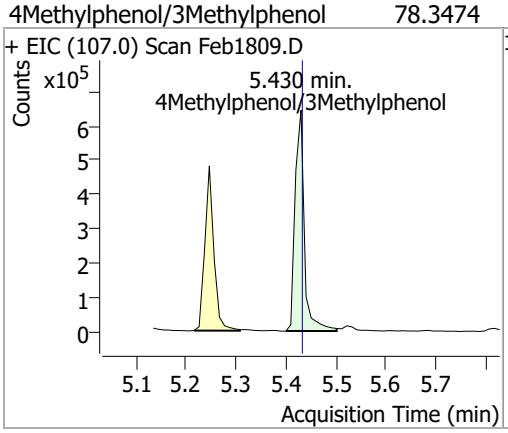
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	83.3946	5.37	0.00	442003	130.0	19.0	0.0	38.8

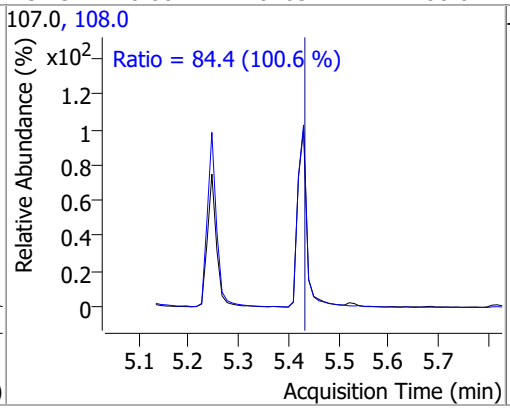


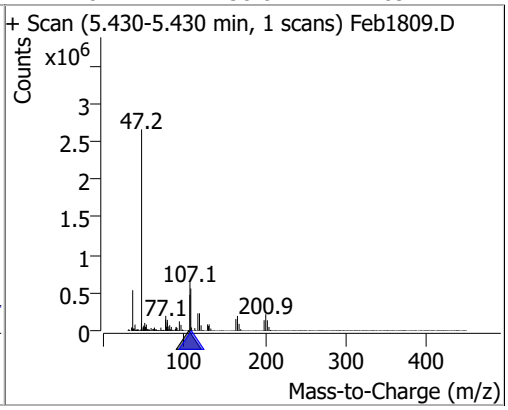




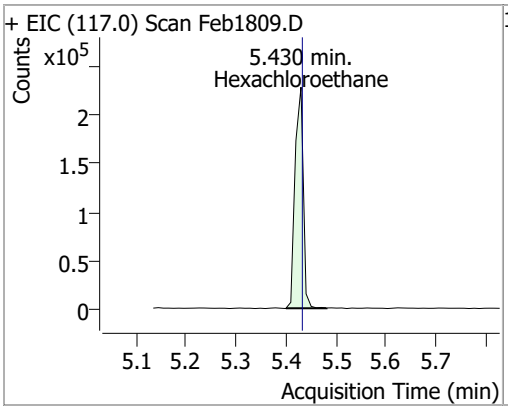
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	78.3474	5.43	0.00	816321	108.0	84.4	58.8	109.1

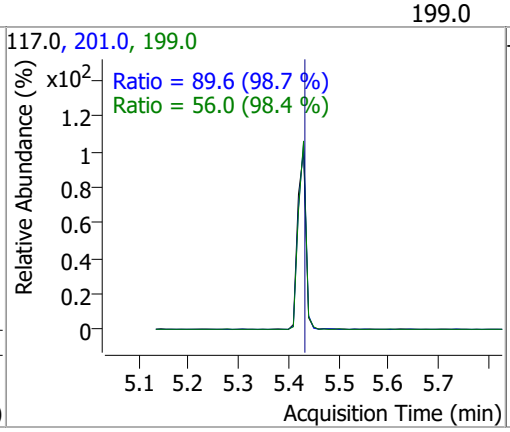


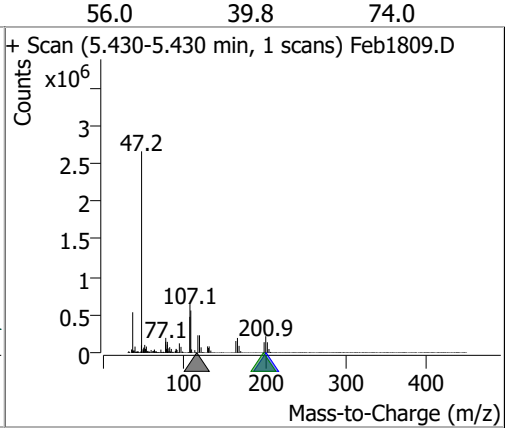




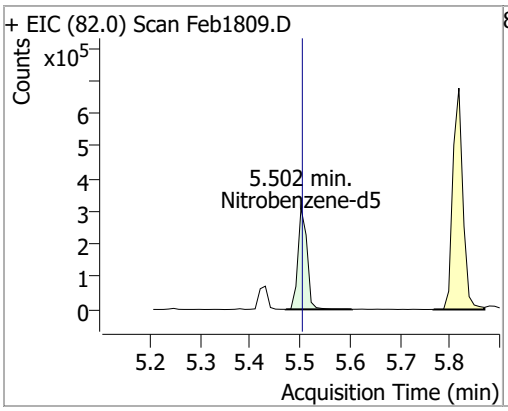
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	77.1157	5.43	0.00	259885	201.0	89.6	63.5	118.0
					199.0	56.0	39.8	74.0

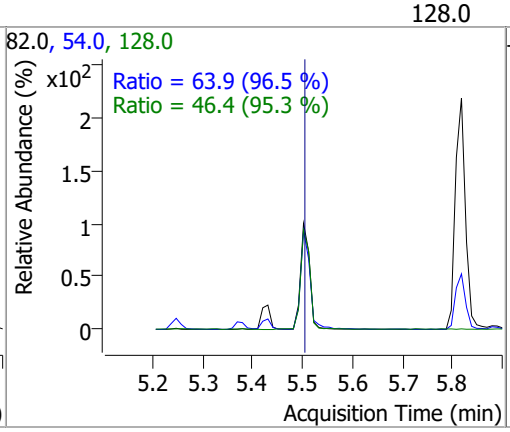


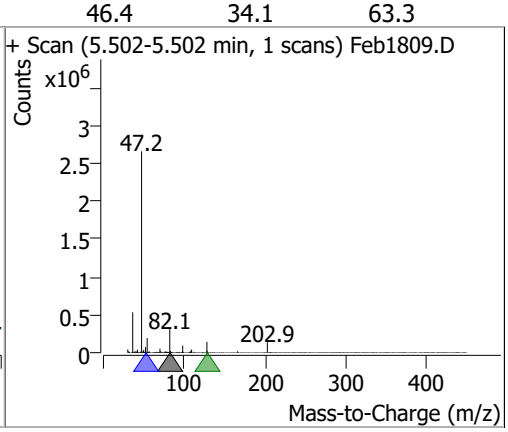




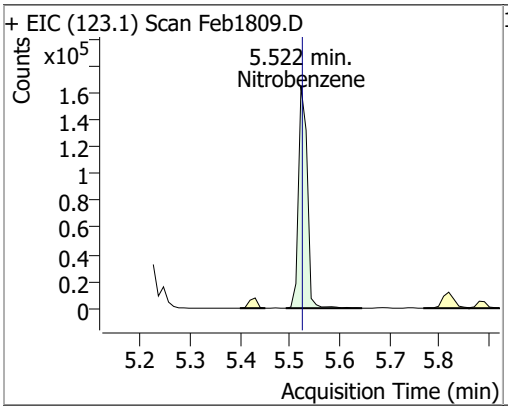
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	71.6023	5.50	0.00	394242	54.0	63.9	46.3	86.0
					128.0	46.4	34.1	63.3

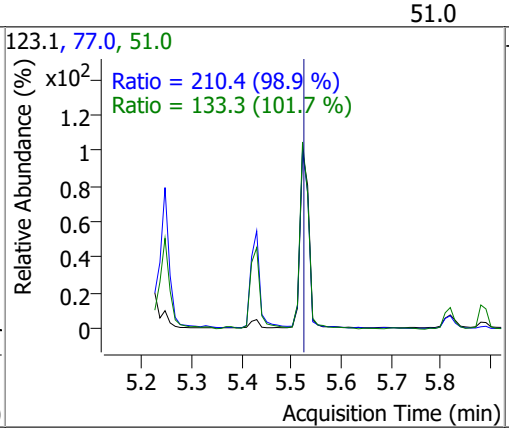


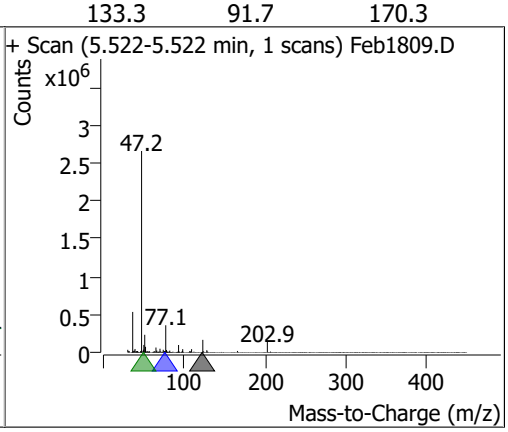




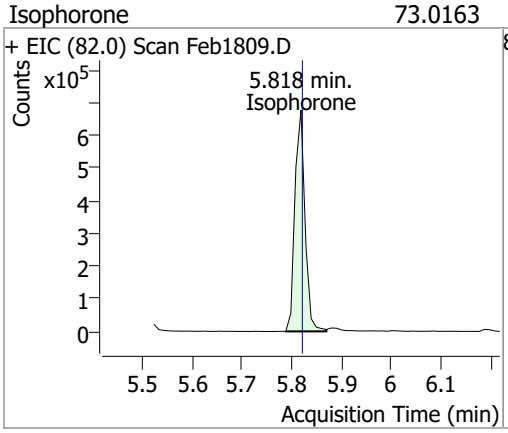
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	72.6407	5.52	0.00	203074	77.0	210.4	148.9	276.5
					51.0	133.3	91.7	170.3

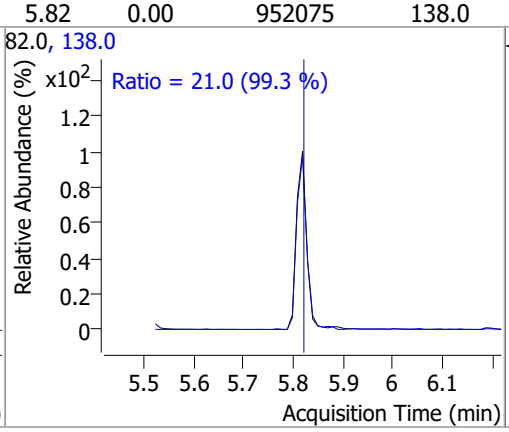


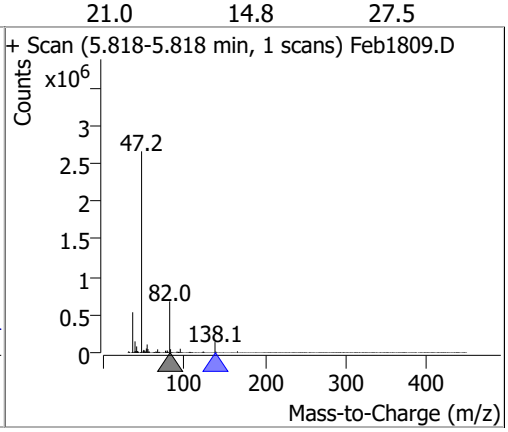




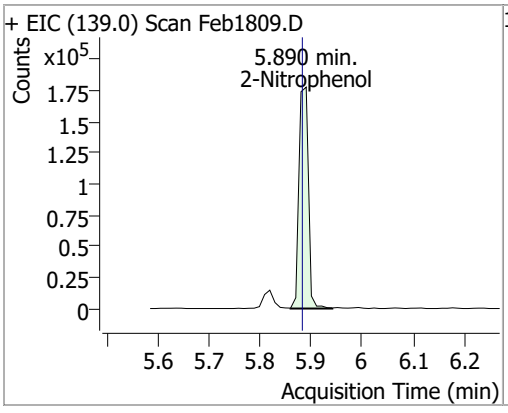
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	73.0163	5.82	0.00	952075	138.0	21.0	14.8	27.5

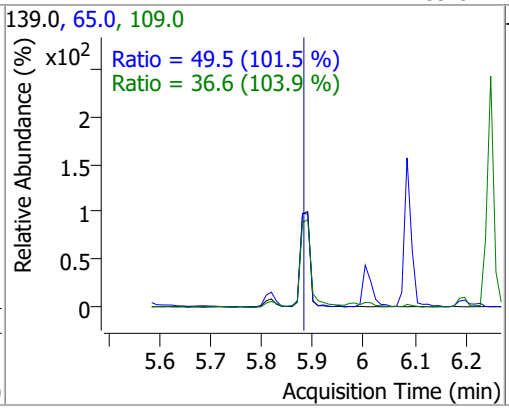


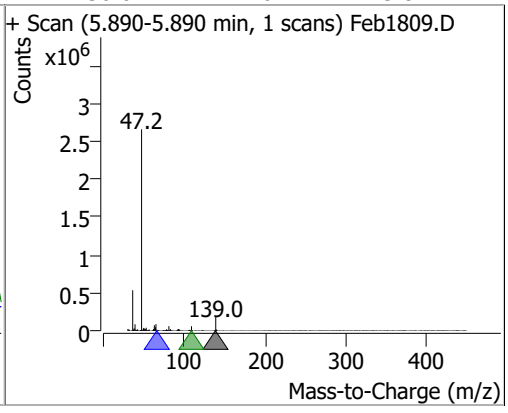




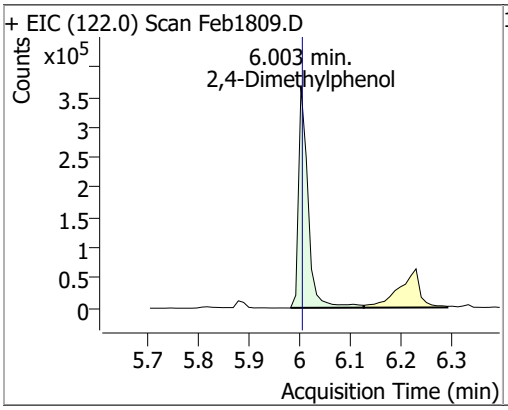
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	78.6630	5.89	0.01	230240	65.0	49.5	34.2	63.4
					109.0	36.6	24.6	45.8

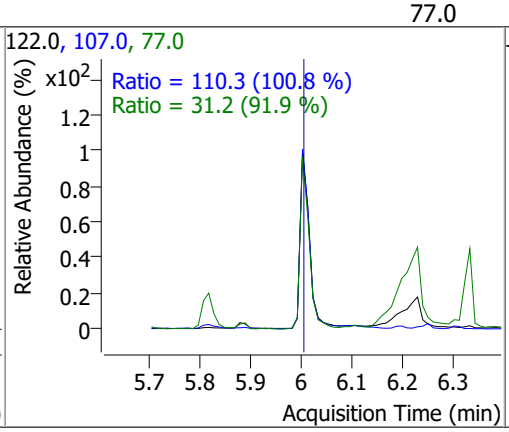


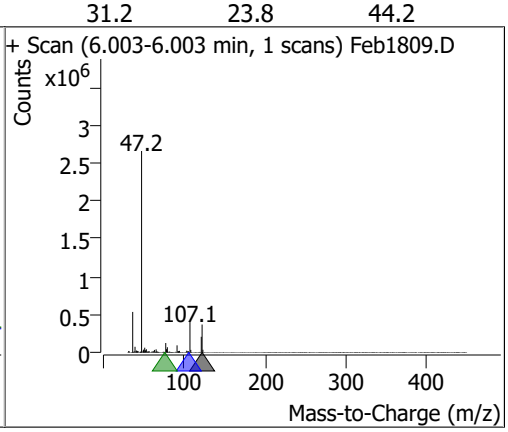




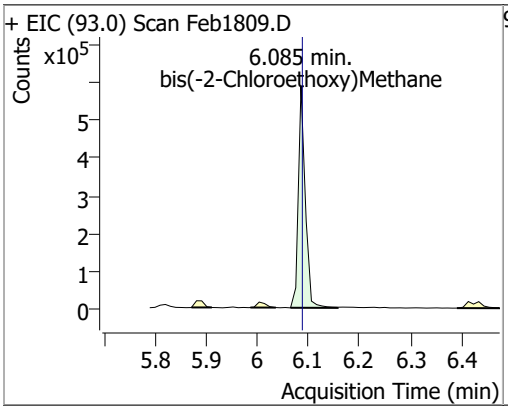
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	77.5019	6.00	0.00	471706	107.0	110.3	76.6	142.3
					77.0	31.2	23.8	44.2

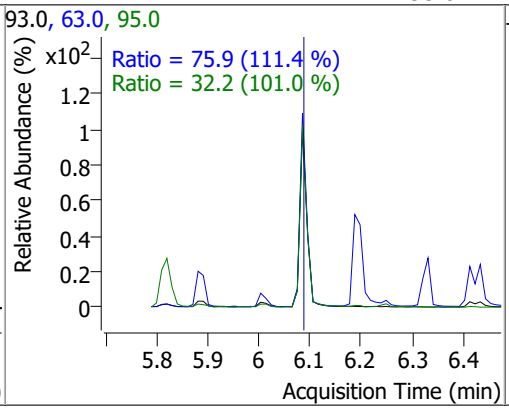


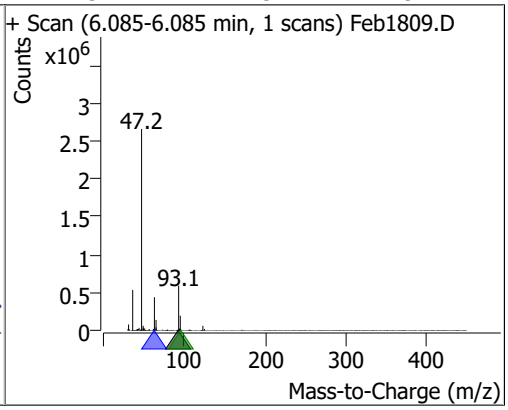




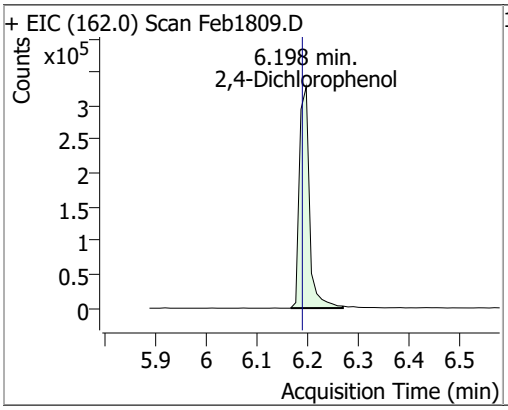
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	71.5798	6.08	0.00	542758	63.0	75.9	47.7	88.6
					95.0	32.2	22.3	41.5

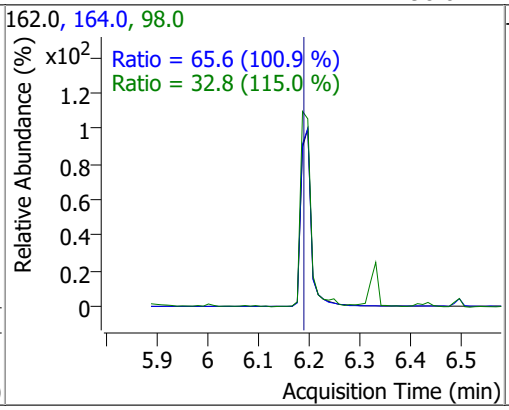


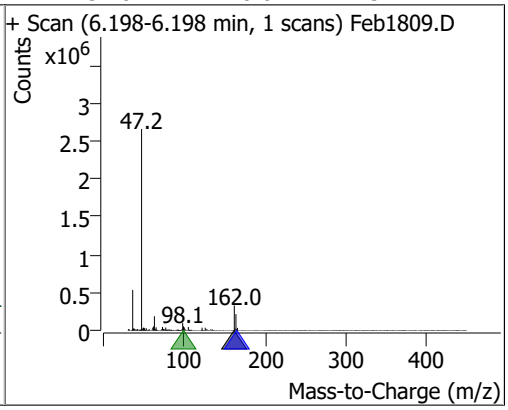




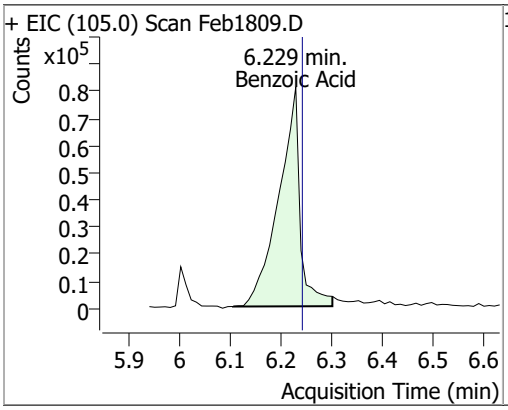
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	77.6923	6.20	0.01	451820	164.0	65.6	45.5	84.5
					98.0	32.8	20.0	37.1

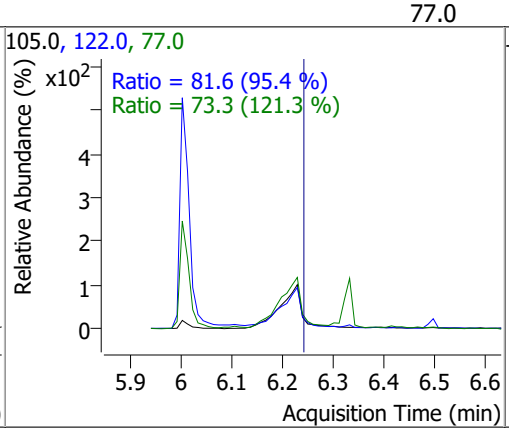


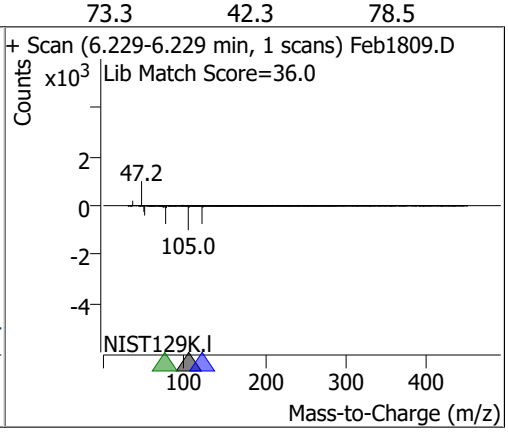




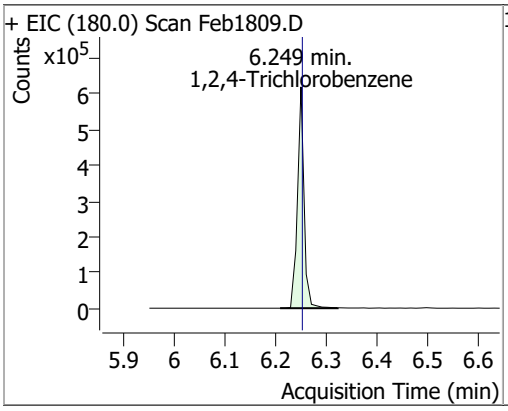
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	76.1167	6.23	-0.01	237375	122.0	81.6	59.9	111.2
					77.0	73.3	42.3	78.5

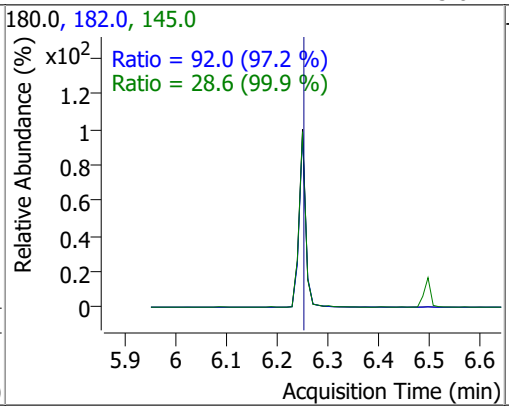


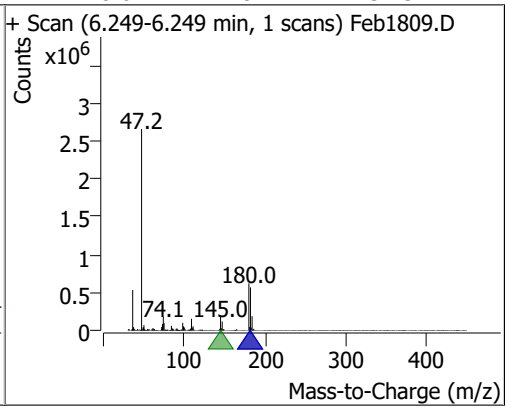




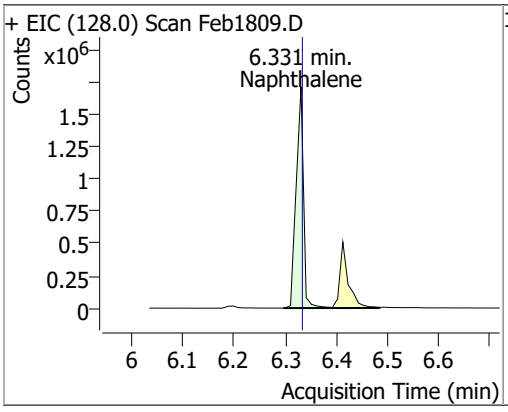
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	80.1098	6.25	0.00	556684	182.0	92.0	66.2	122.9
					145.0	28.6	20.1	37.3

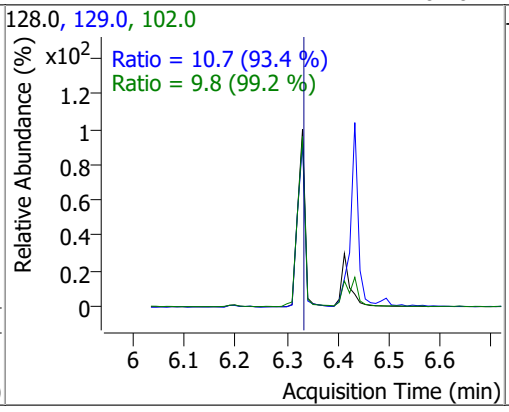


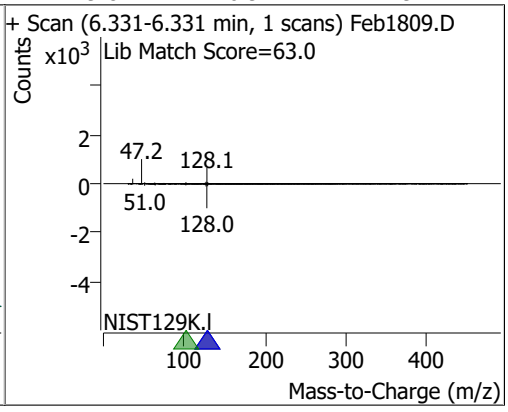




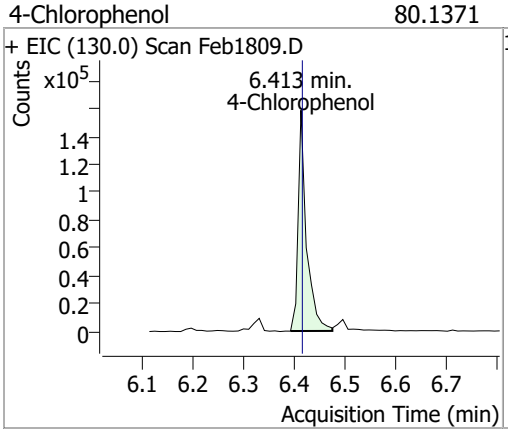
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	82.4832	6.33	0.00	1701484	129.0	10.7	8.0	14.9
					102.0	9.8	6.9	12.9

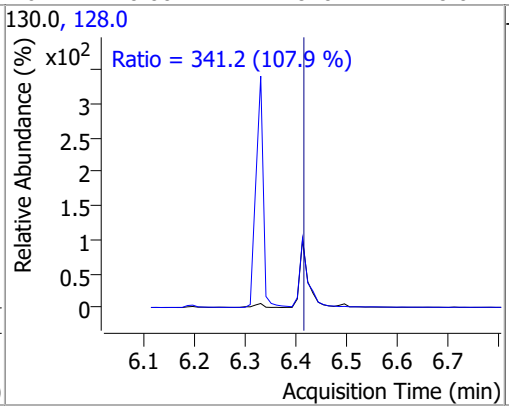


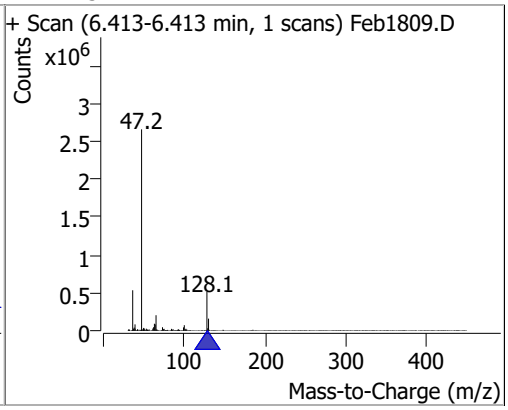




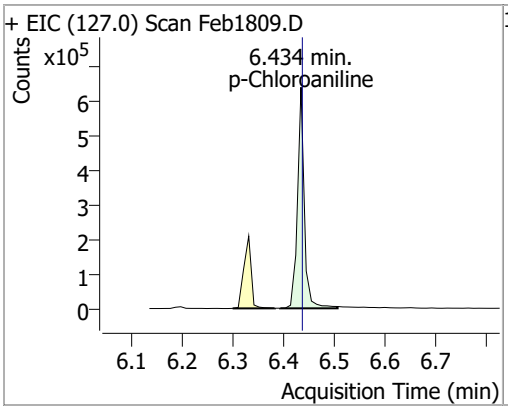
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	80.1371	6.41	0.00	174820	128.0	341.2	221.4	411.2

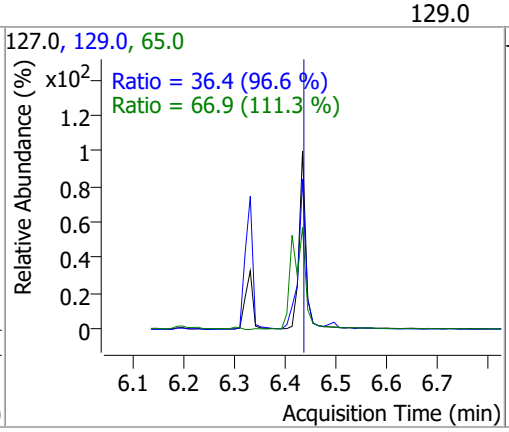


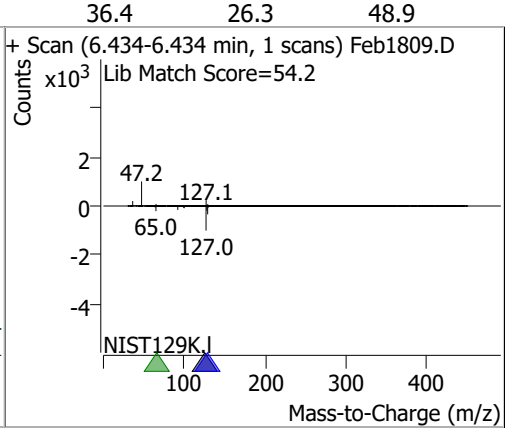




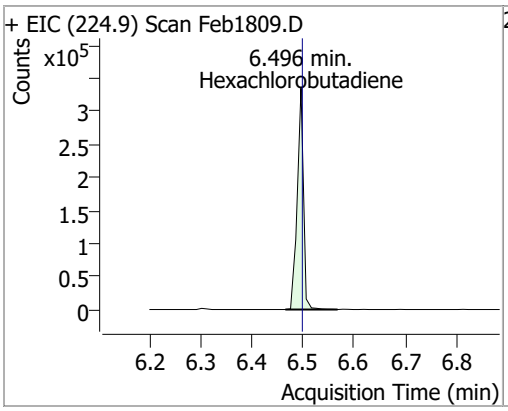
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	73.5230	6.43	0.00	596772	65.0	66.9	42.1	78.2
					129.0	36.4	26.3	48.9

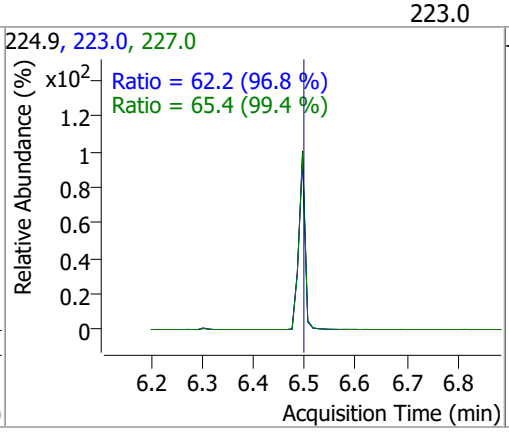


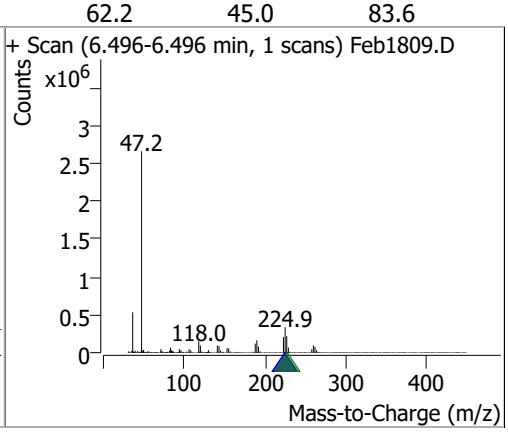




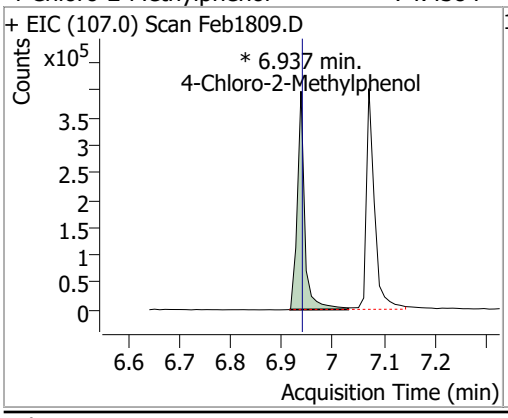
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	79.0445	6.50	0.00	286141	227.0	65.4	46.0	85.4
					223.0	62.2	45.0	83.6

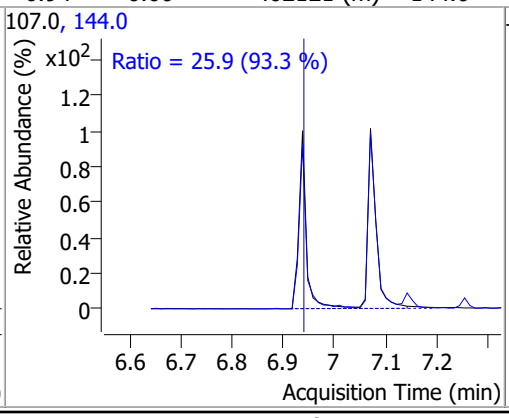


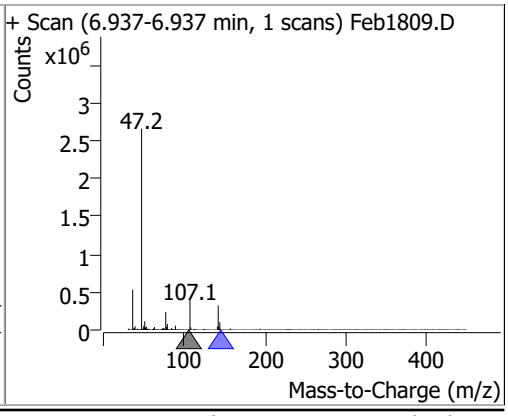




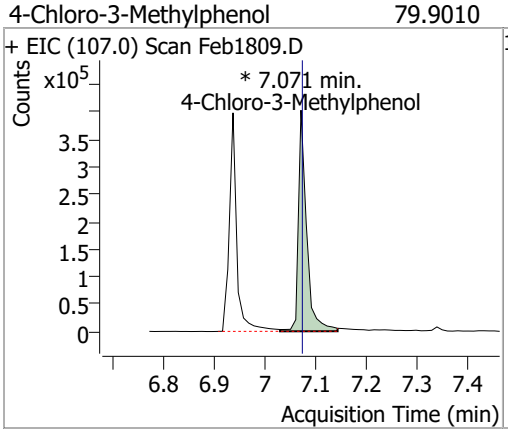
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	74.4384	6.94	0.00	402121 (m)	144.0	25.9	19.4	36.1

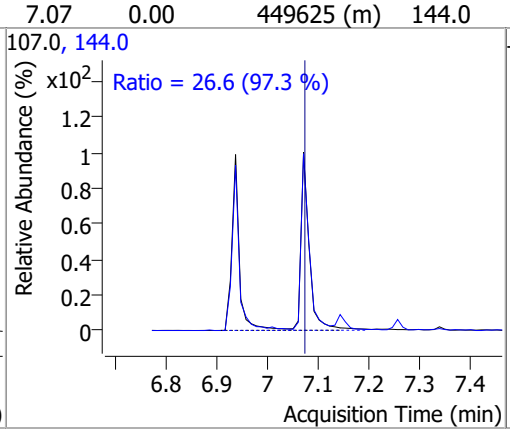


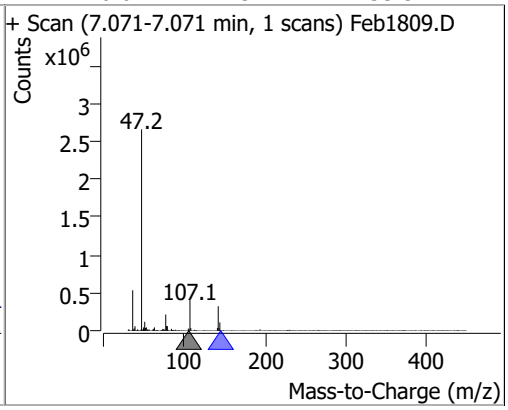




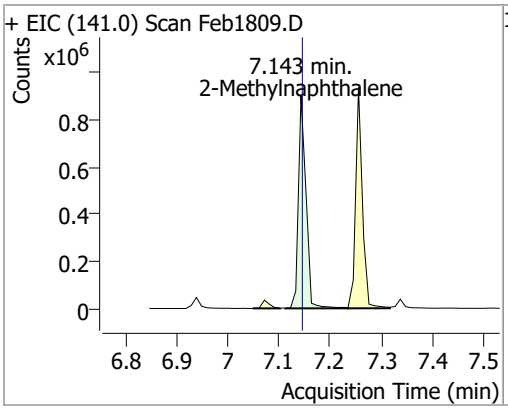
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	79.9010	7.07	0.00	449625 (m)	144.0	26.6	19.1	35.5

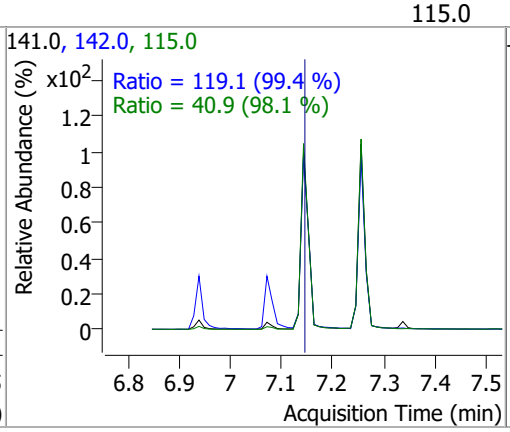


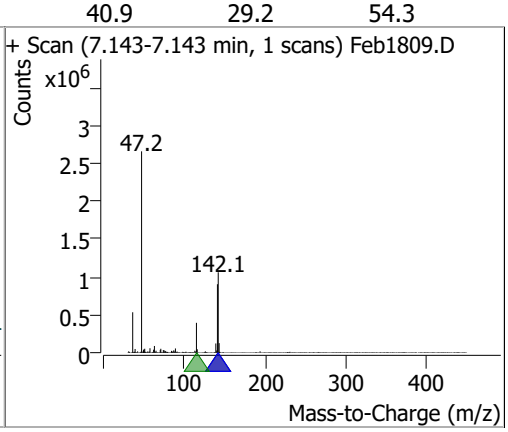




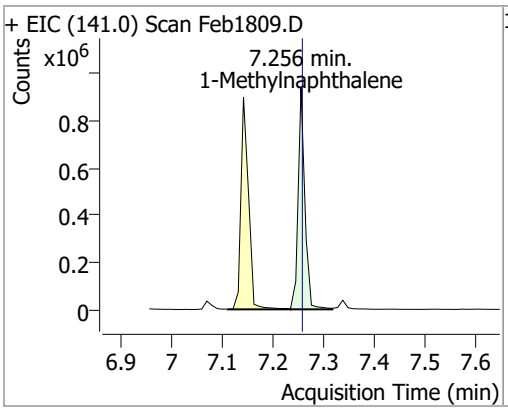
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	79.5615	7.14	0.00	934925	142.0	119.1	83.8	155.7
					115.0	40.9	29.2	54.3

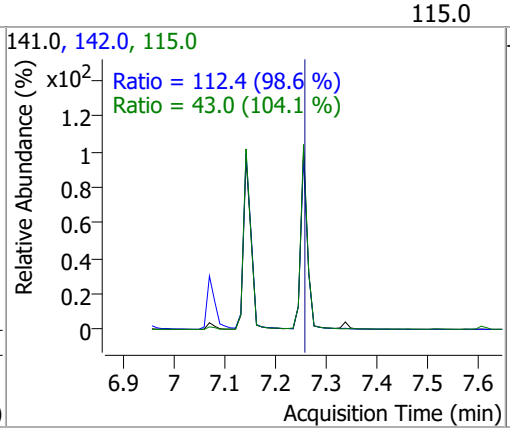


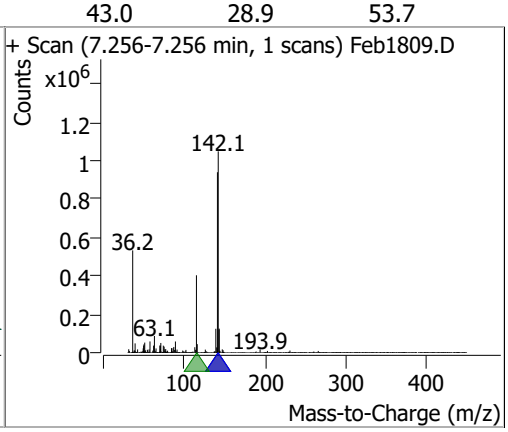




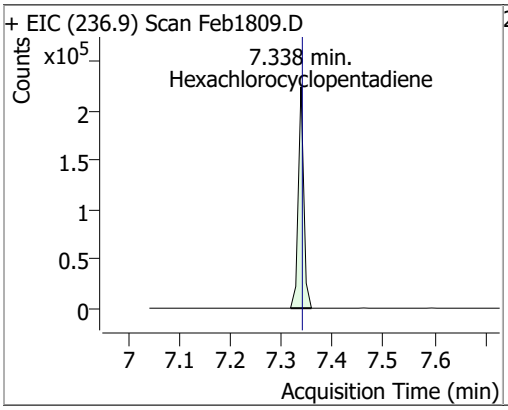
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	75.4676	7.26	0.00	864319	142.0	112.4	79.8	148.2
					115.0	43.0	28.9	53.7

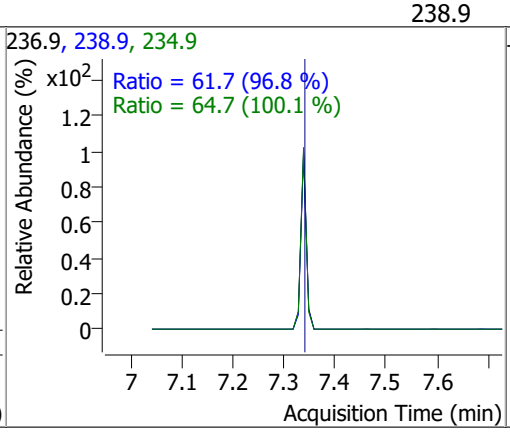


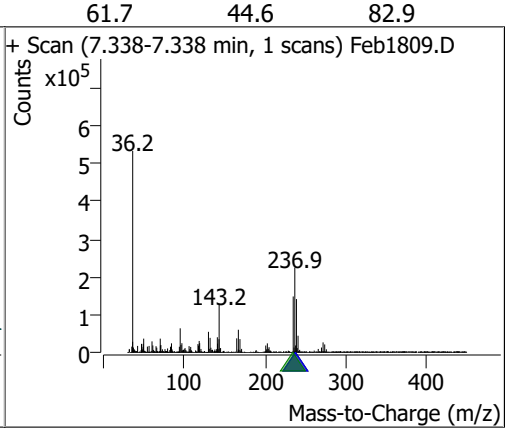




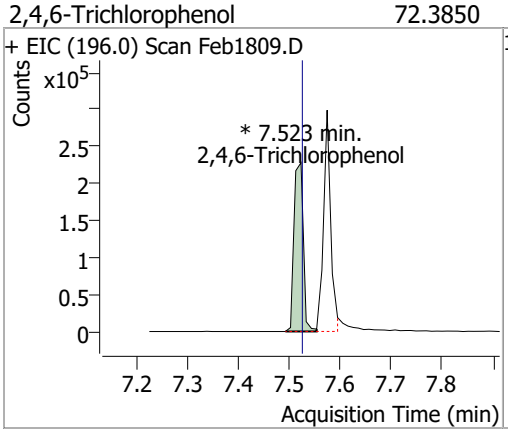
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	73.3354	7.34	0.00	167582	234.9	64.7	45.2	84.0
					238.9	61.7	44.6	82.9

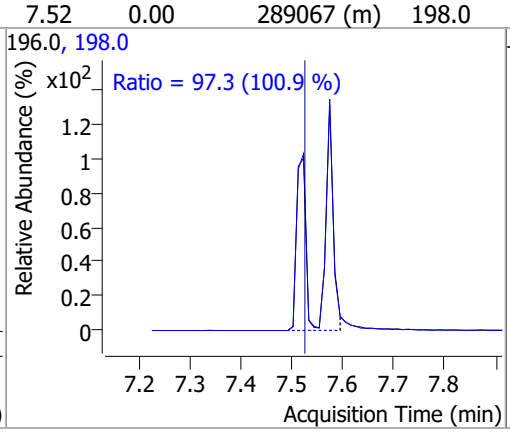


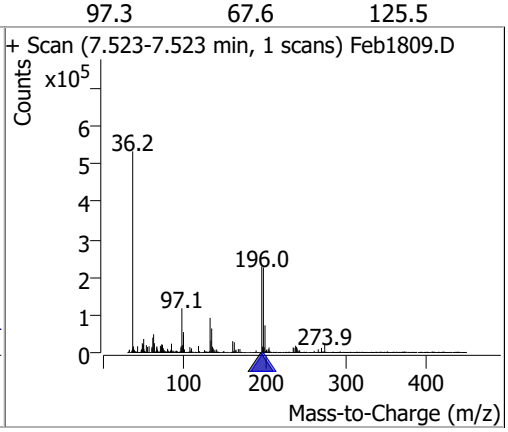




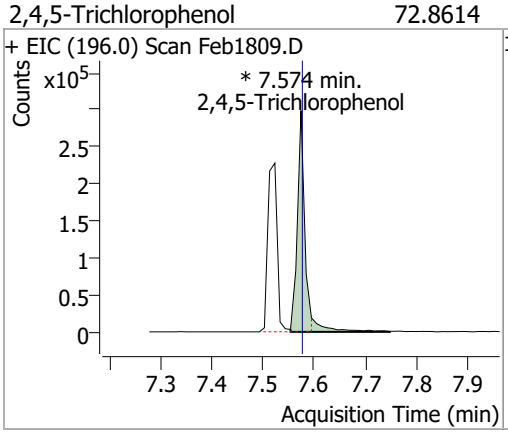
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	72.3850	7.52	0.00	289067 (m)	198.0	97.3	67.6	125.5

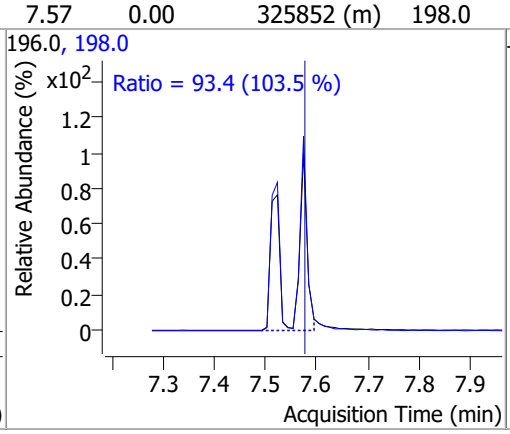


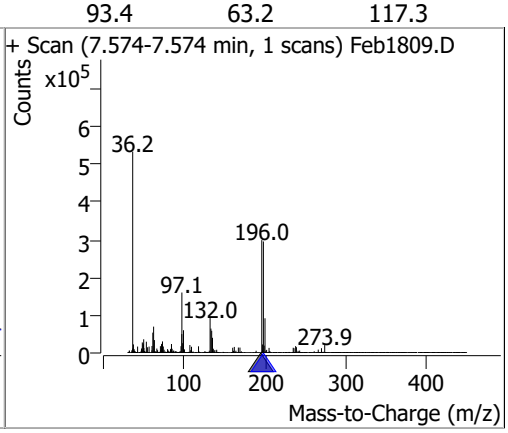




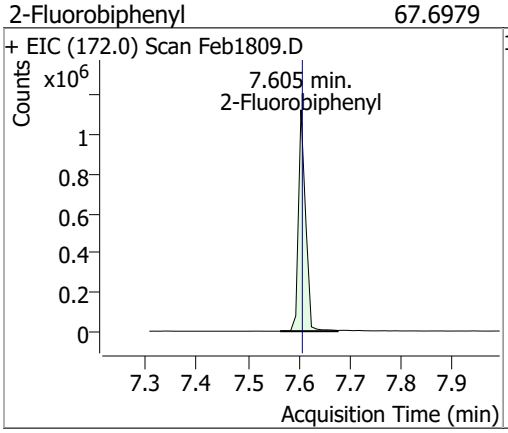
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	72.8614	7.57	0.00	325852 (m)	198.0	93.4	63.2	117.3

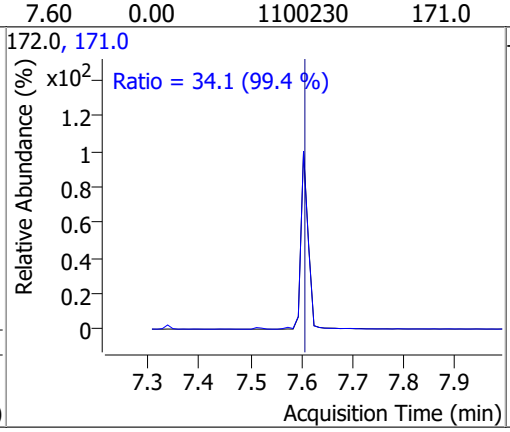


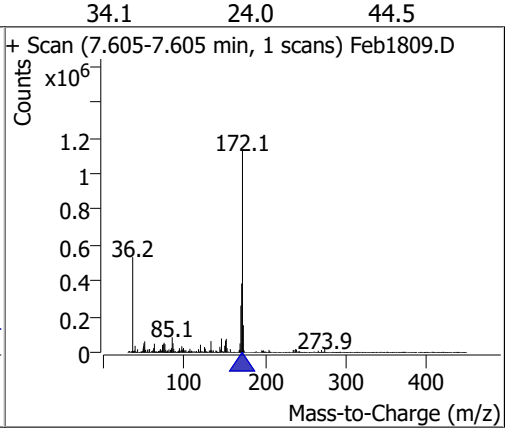




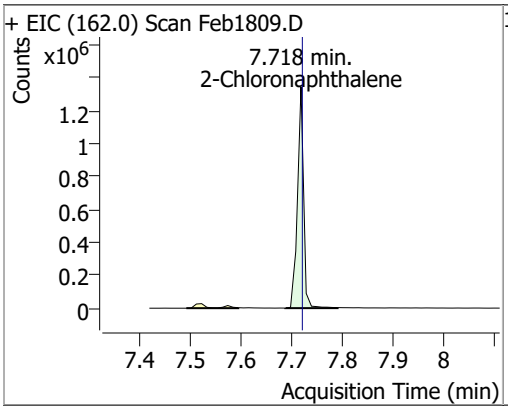
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	67.6979	7.60	0.00	1100230	171.0	34.1	24.0	44.5

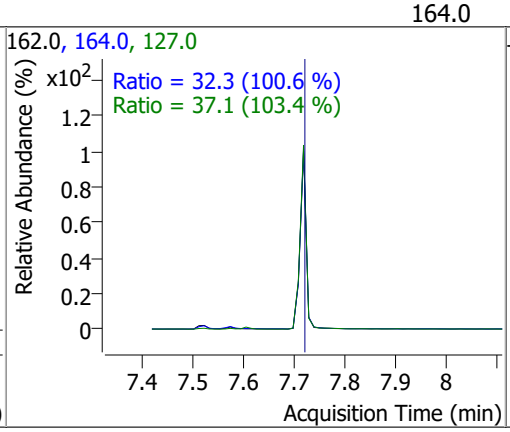


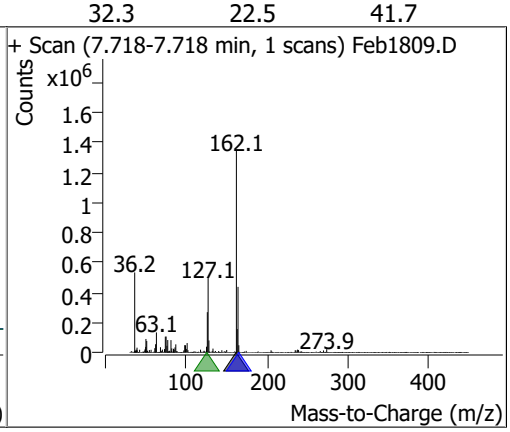




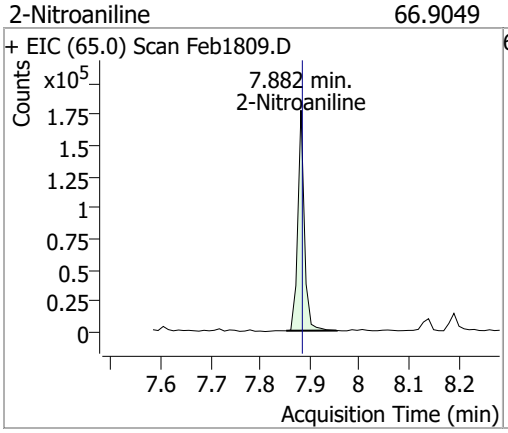
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	82.2466	7.72	0.00	1122871	127.0	37.1	25.1	46.7
					164.0	32.3	22.5	41.7

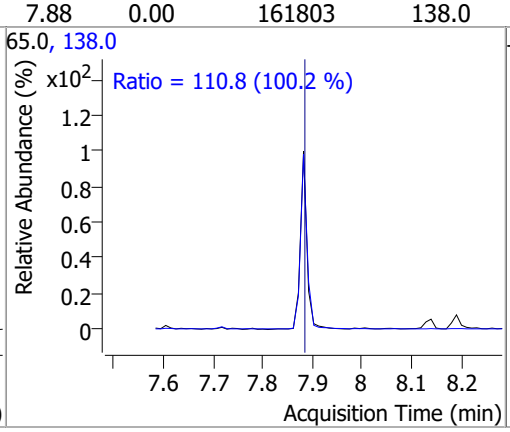


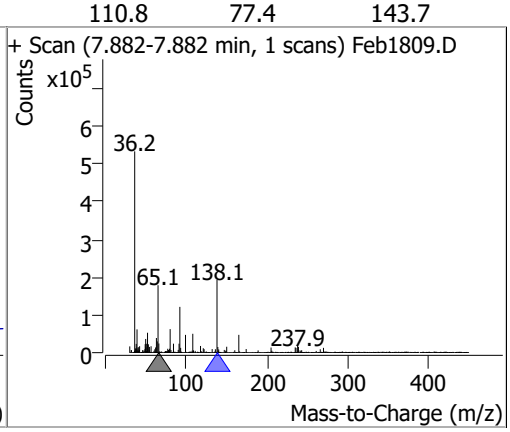




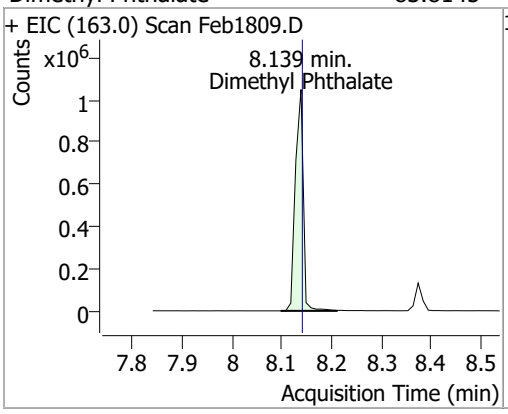
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	66.9049	7.88	0.00	161803	138.0	110.8	77.4	143.7

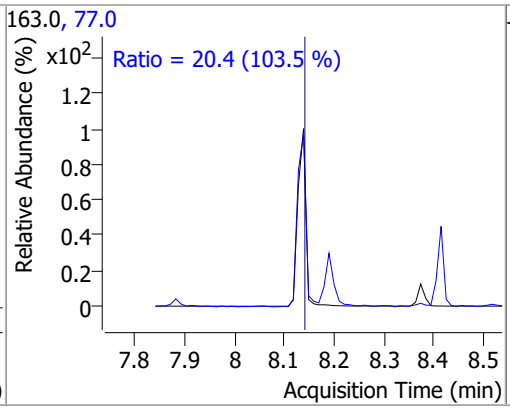


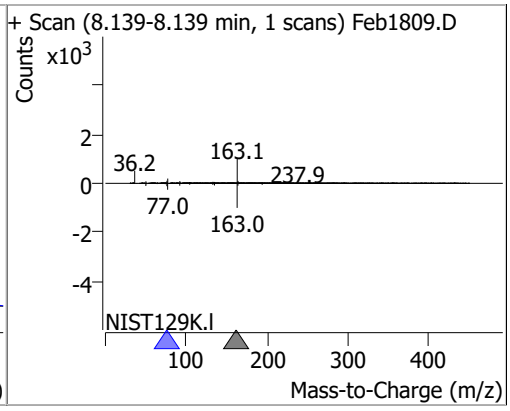




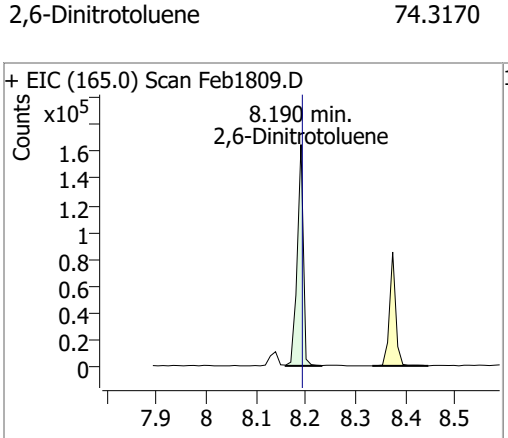
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	83.8145	8.14	0.00	1155106	77.0	20.4	13.8	25.7

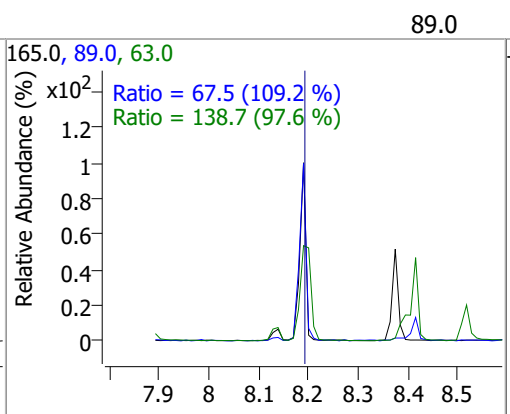


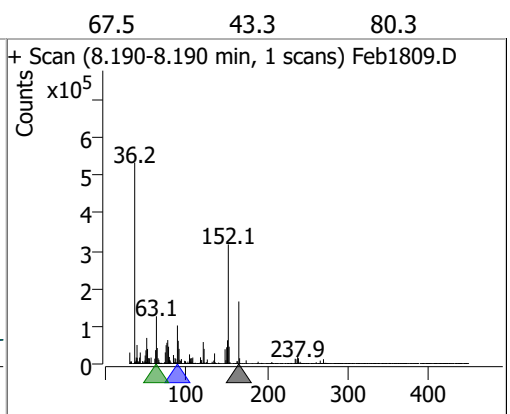




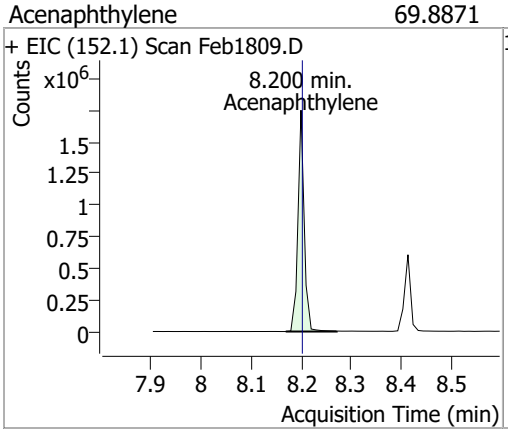
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	74.3170	8.19	0.00	139972	63.0	138.7	99.5	184.8
					89.0	67.5	43.3	80.3

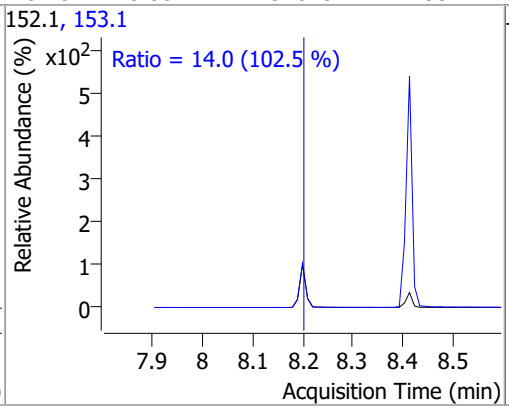


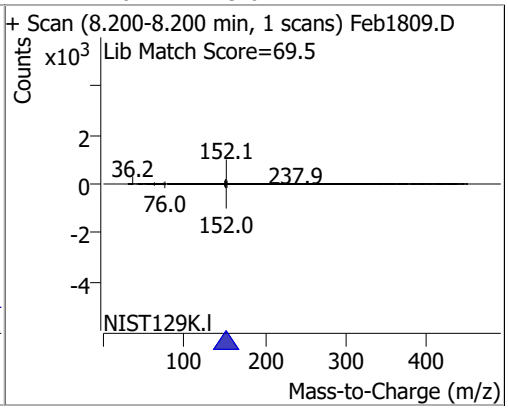




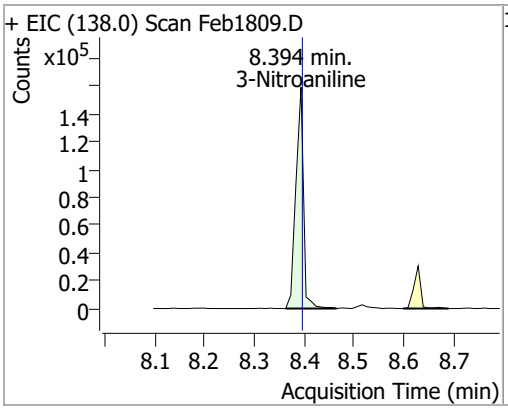
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	69.8871	8.20	0.00	1526451	153.1	14.0	9.6	17.7

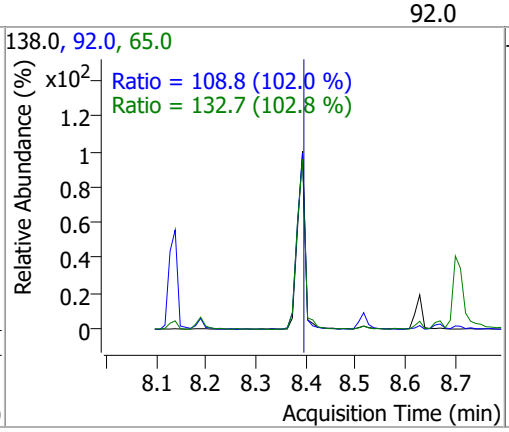


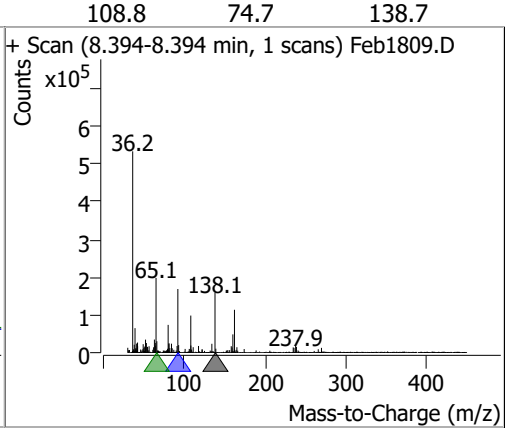




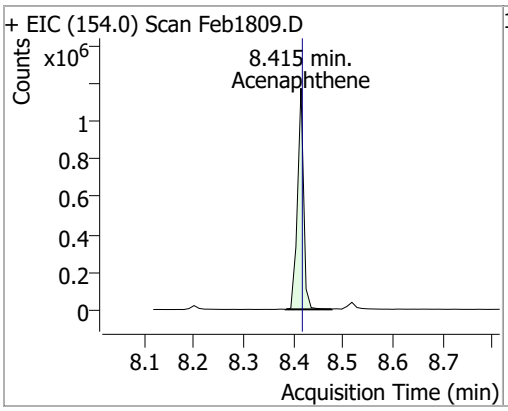
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	78.9929	8.39	0.00	169184	65.0	132.7	90.4	167.8
					92.0	108.8	74.7	138.7

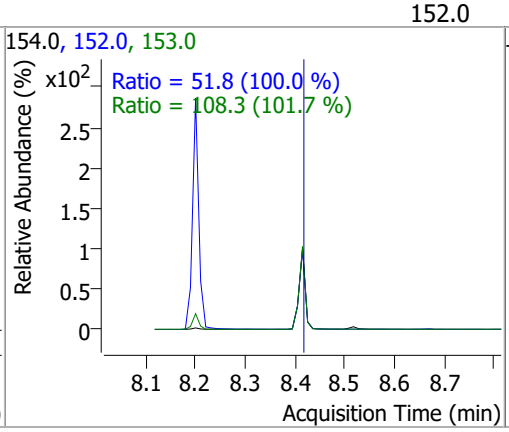


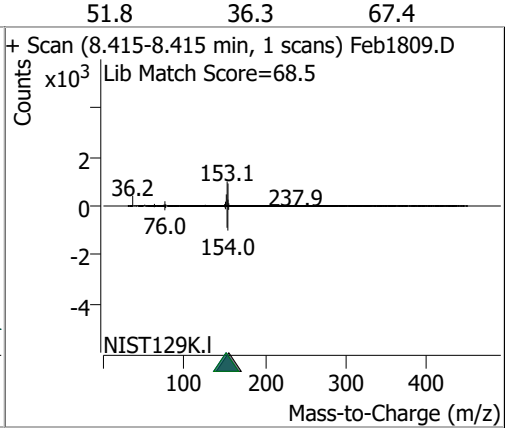




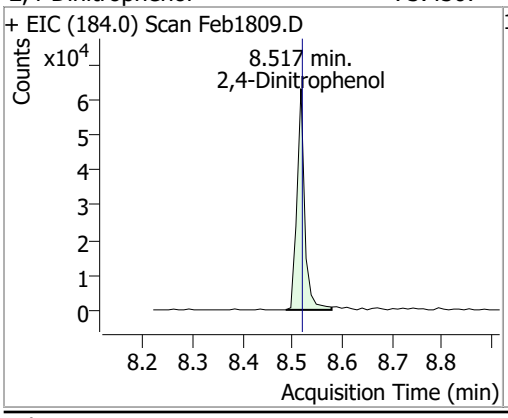
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	80.6345	8.41	0.00	1009554	153.0	108.3	74.5	138.4
					152.0	51.8	36.3	67.4

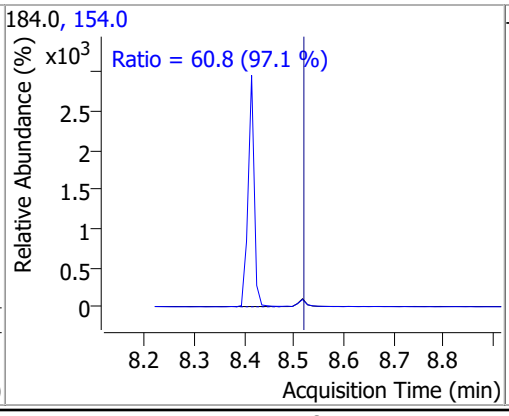


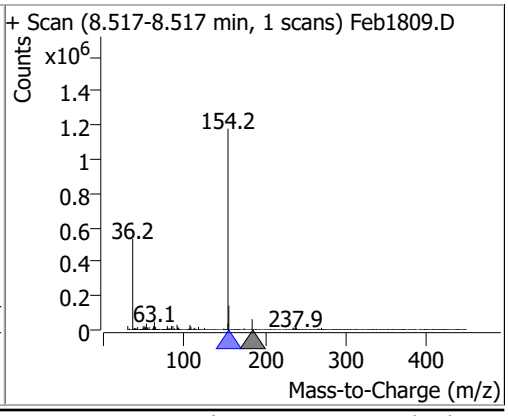




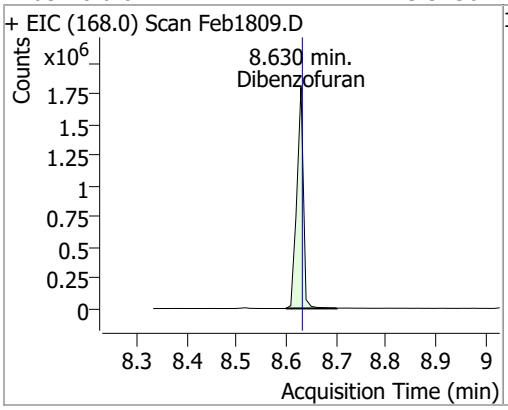
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	73.4507	8.52	0.00	68442	154.0	60.8	43.9	81.5

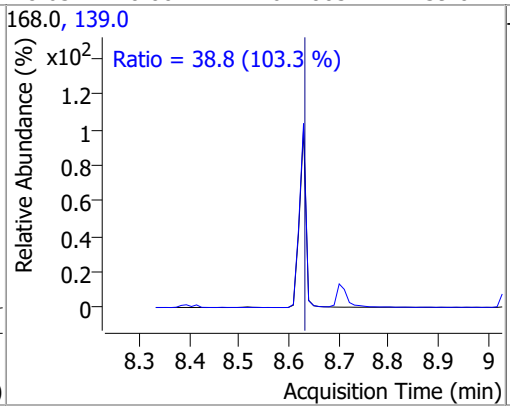


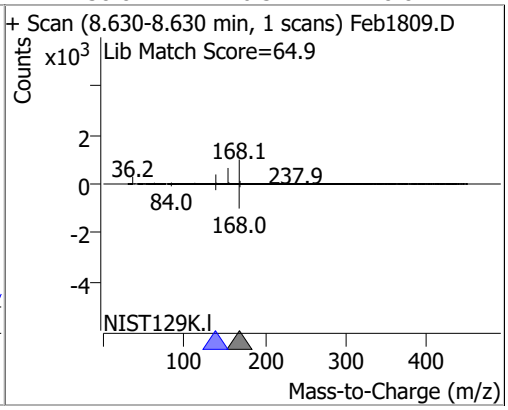




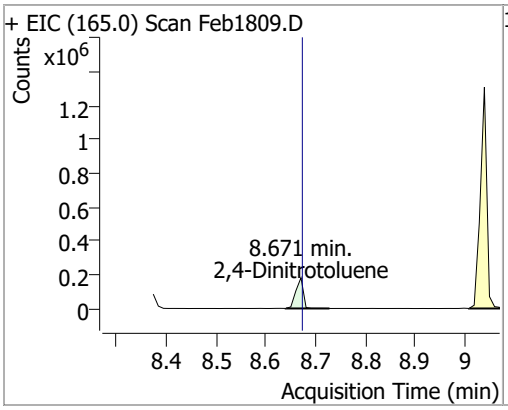
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	79.9136	8.63	0.00	1641005	139.0	38.8	26.3	48.8

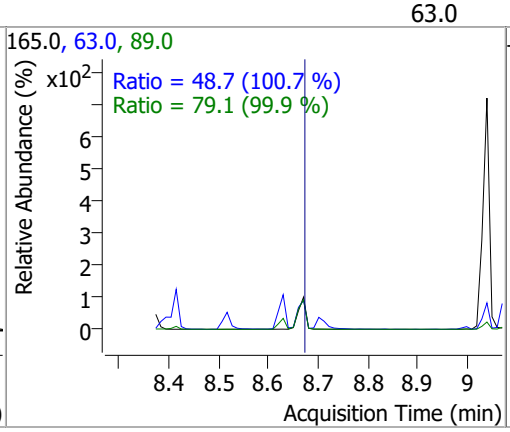


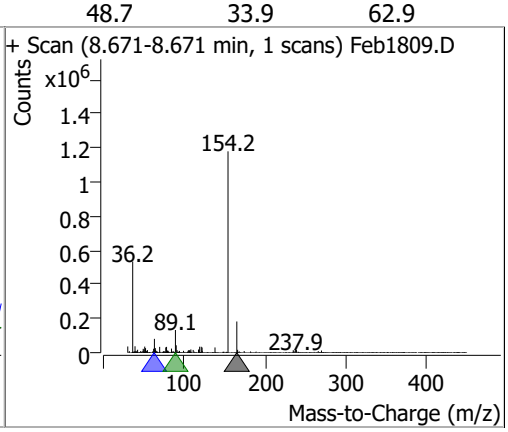




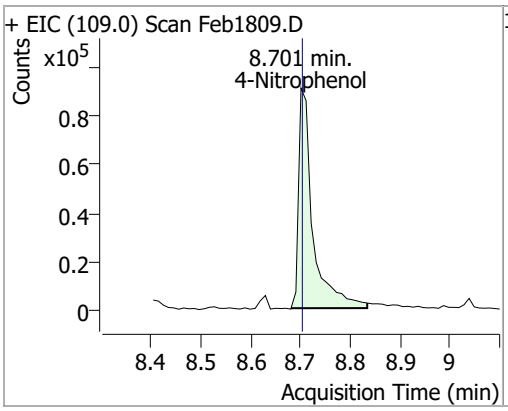
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	79.2675	8.67	0.00	186566	89.0	79.1	55.4	102.9
					63.0	48.7	33.9	62.9

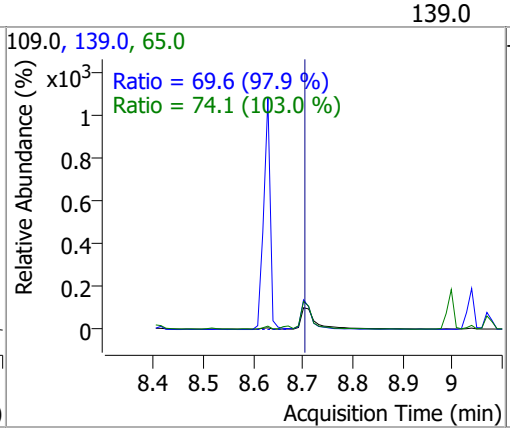


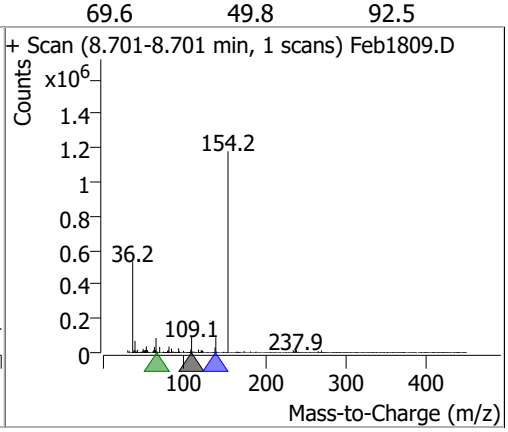




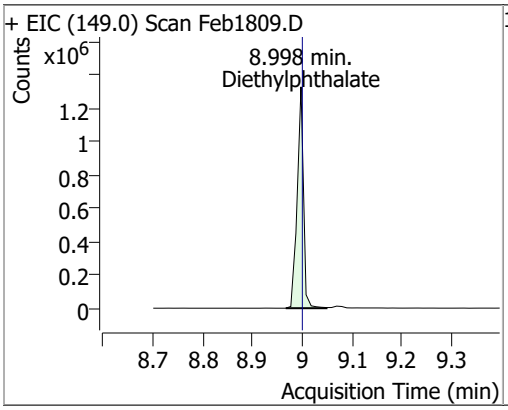
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	77.0307	8.70	0.00	178388	65.0	74.1	50.4	93.6
					139.0	69.6	49.8	92.5

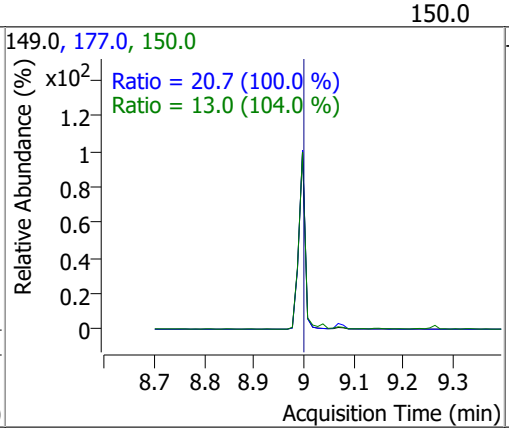


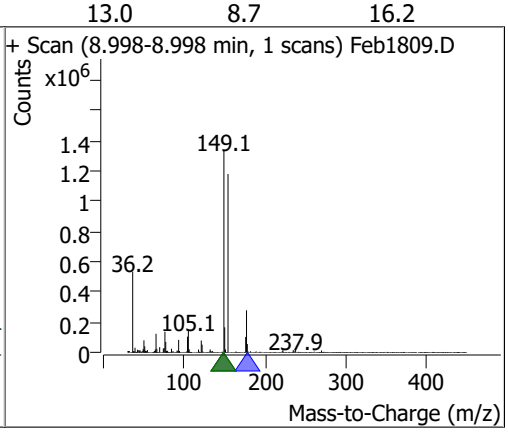




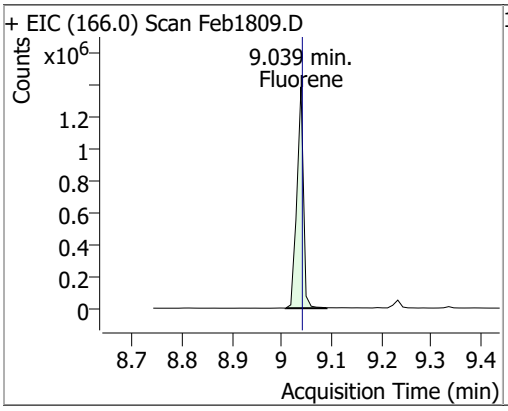
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	81.6817	9.00	0.00	1166621	177.0	20.7	14.5	27.0
					150.0	13.0	8.7	16.2

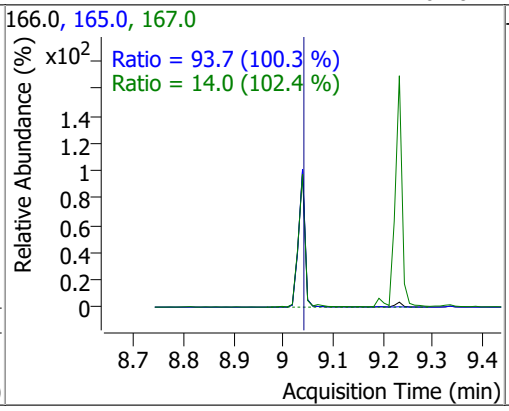


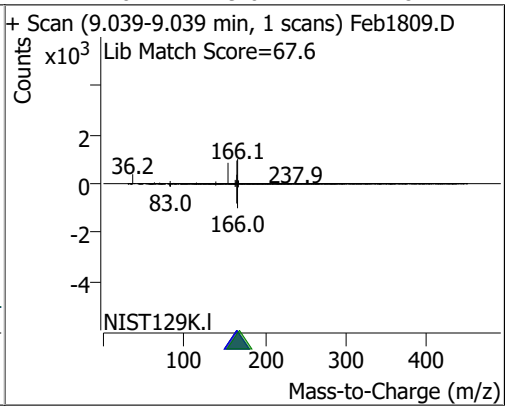




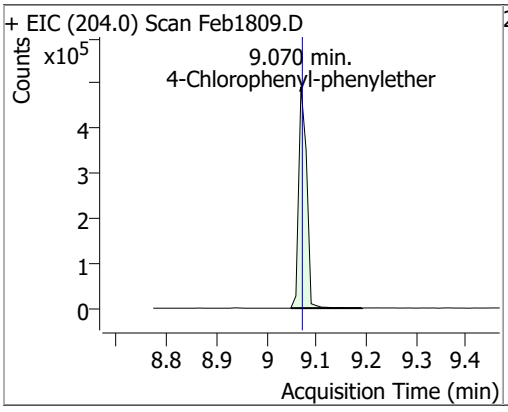
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	76.9108	9.04	0.00	1266305	165.0	93.7	65.4	121.4
					167.0	14.0	9.6	17.8

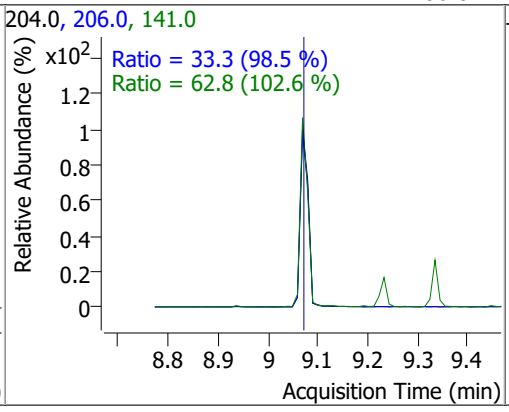


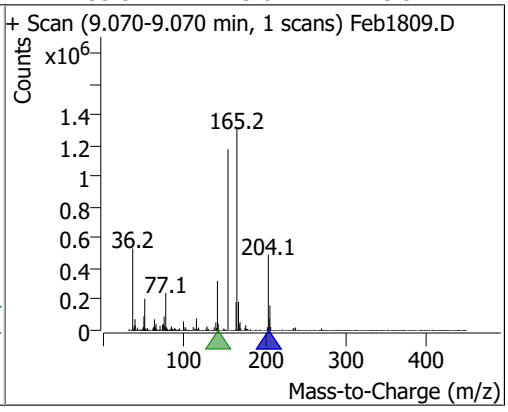




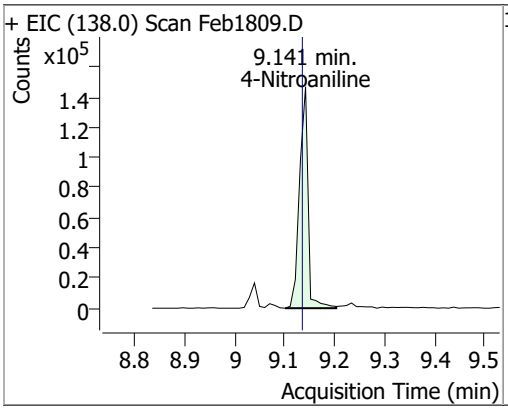
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	73.4968	9.07	0.00	542729	141.0	62.8	42.8	79.6
					206.0	33.3	23.6	43.9

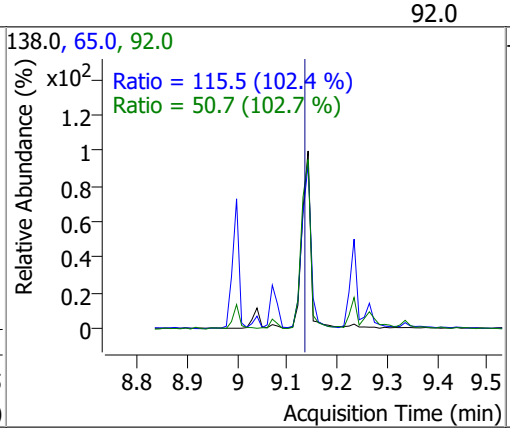


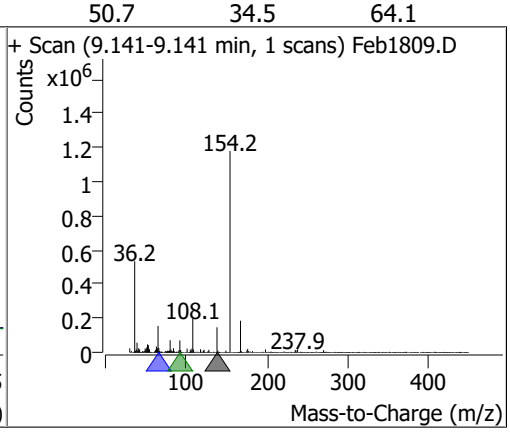




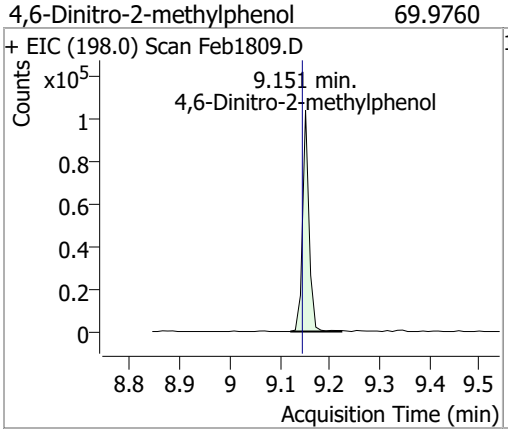
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	77.0022	9.14	0.00	174323	65.0	115.5	78.9	146.6
					92.0	50.7	34.5	64.1

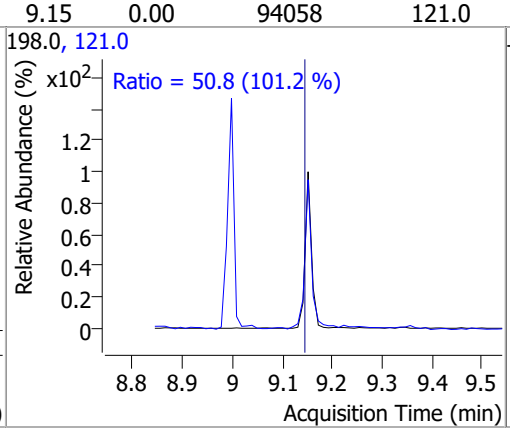


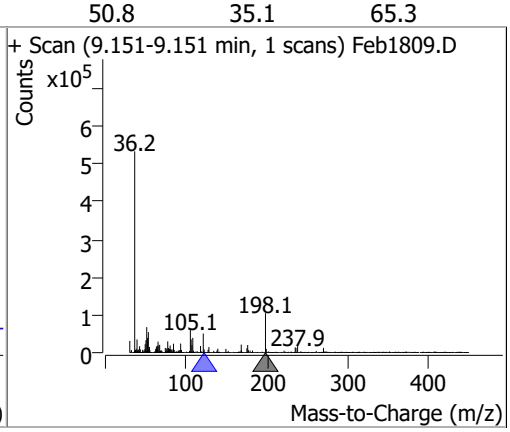




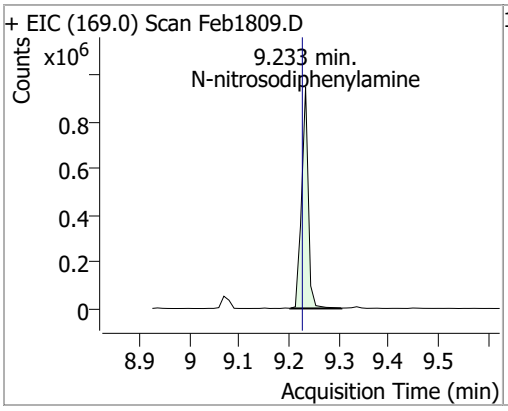
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	69.9760	9.15	0.00	94058	121.0	50.8	35.1	65.3

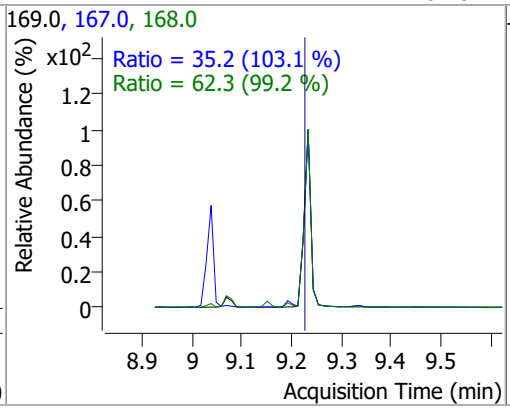


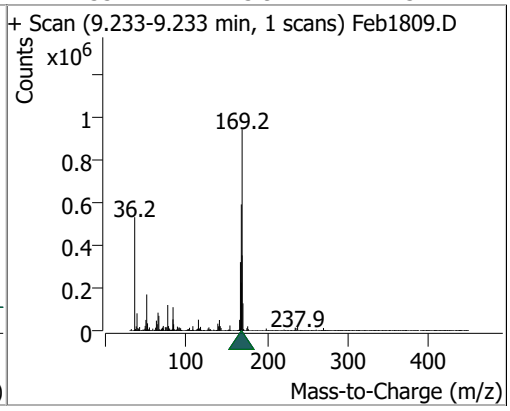




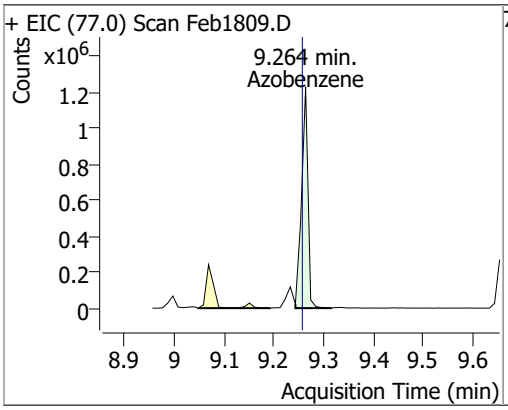
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	82.3616	9.23	0.00	880335	168.0	62.3	44.0	81.7
					167.0	35.2	23.9	44.3

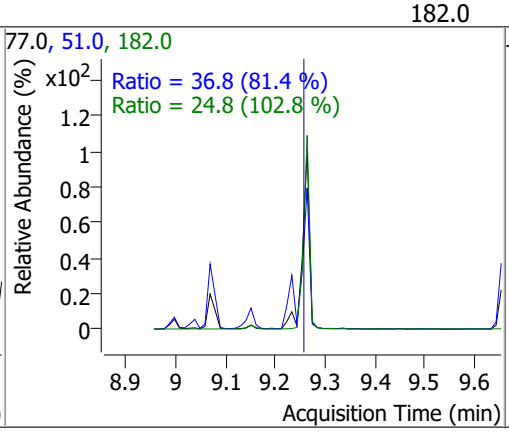


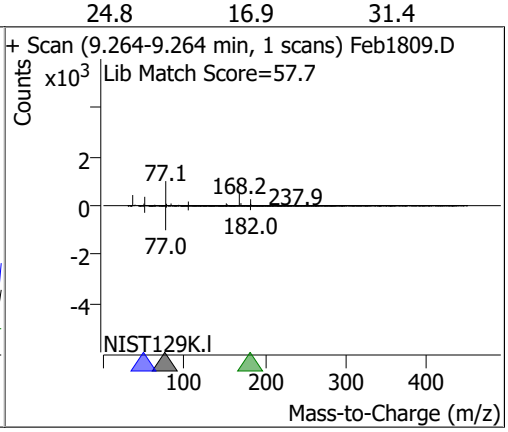




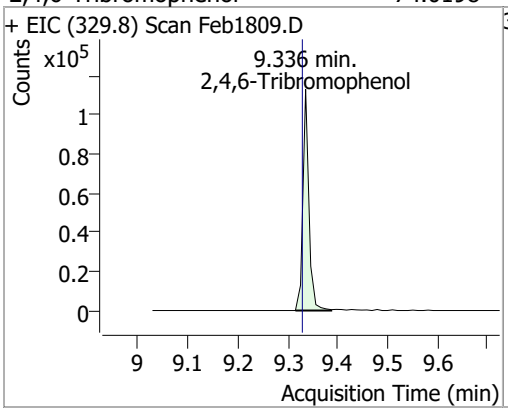
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	77.2870	9.26	0.00	1088752	51.0	36.8	31.6	58.7
					182.0	24.8	16.9	31.4

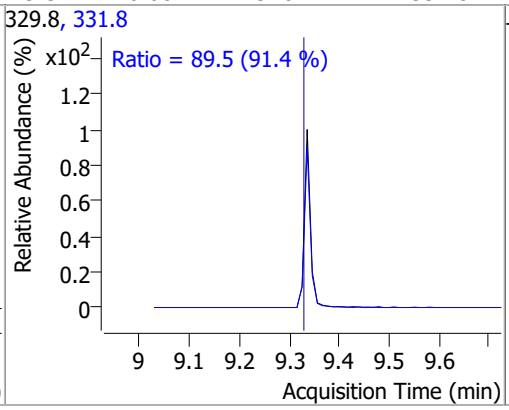


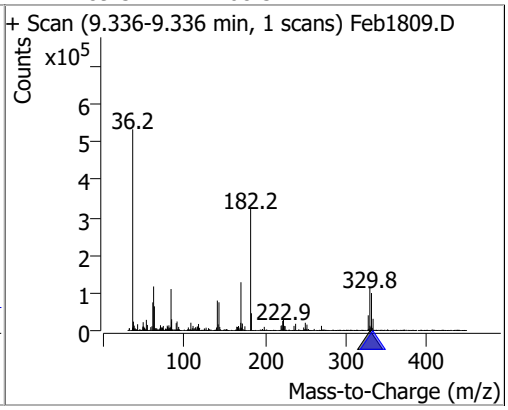




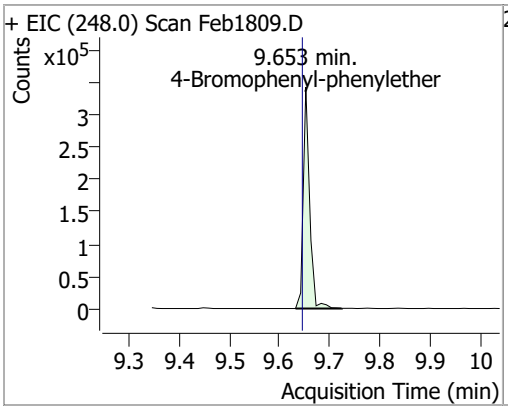
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	74.0198	9.34	0.00	94811	331.8	89.5	68.5	127.2

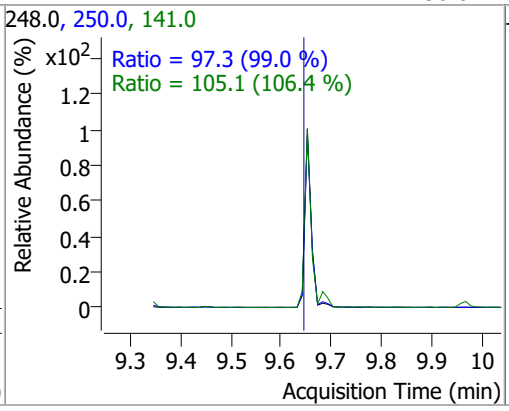


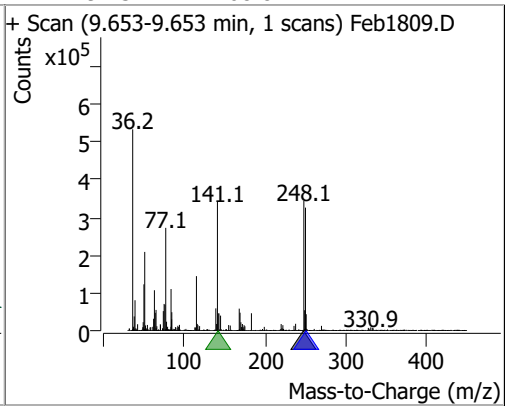




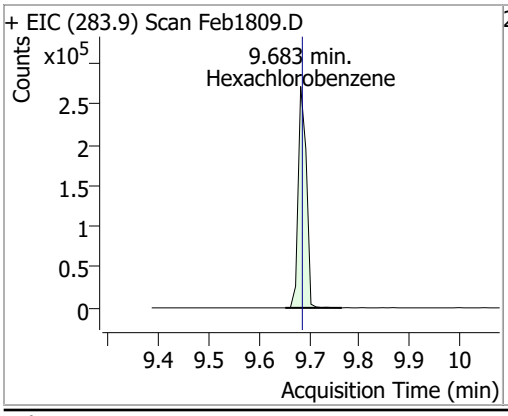
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	75.6263	9.65	0.00	303382	141.0	105.1	69.1	128.4
					250.0	97.3	68.8	127.7

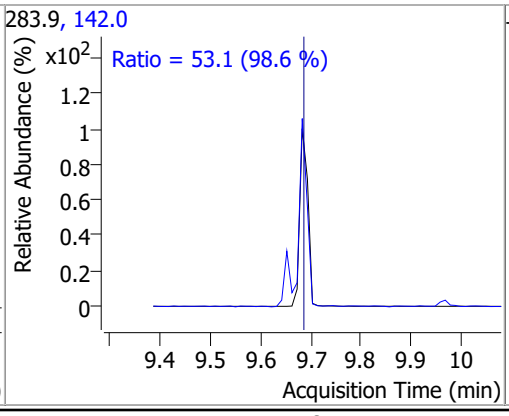


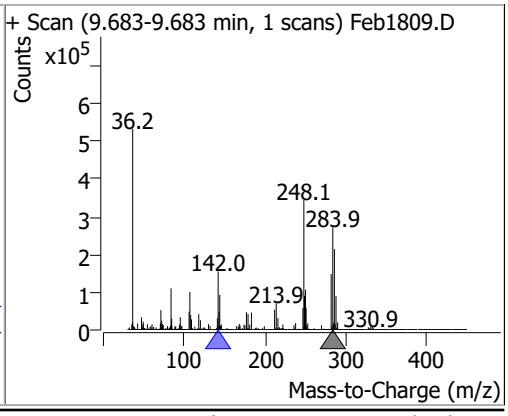




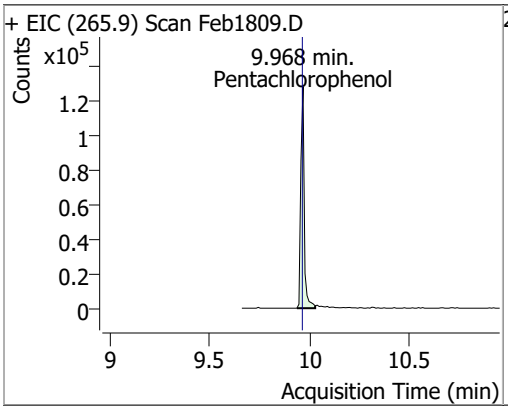
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	74.6326	9.68	-0.01	307143	142.0	53.1	37.7	70.0

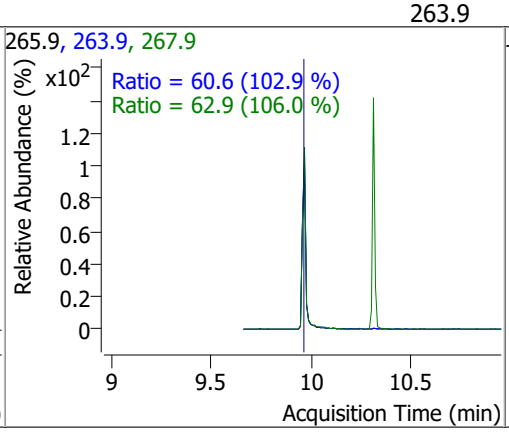


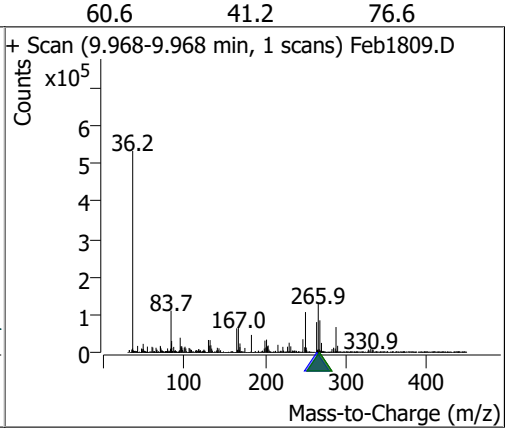




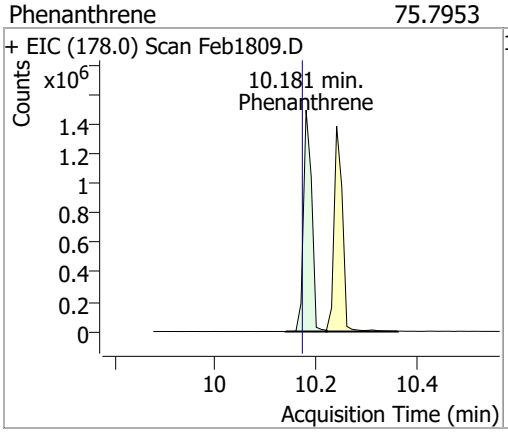
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	80.7752	9.97	0.00	154444	267.9	62.9	41.5	77.2
					263.9	60.6	41.2	76.6

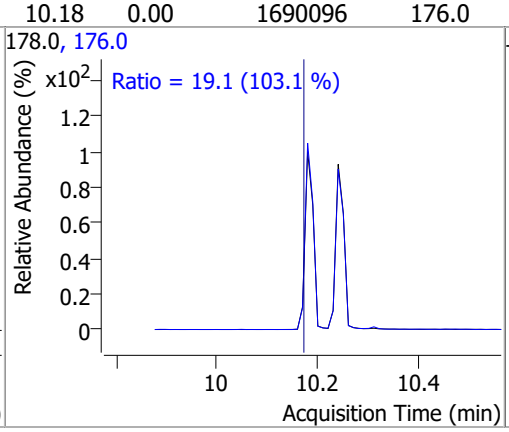


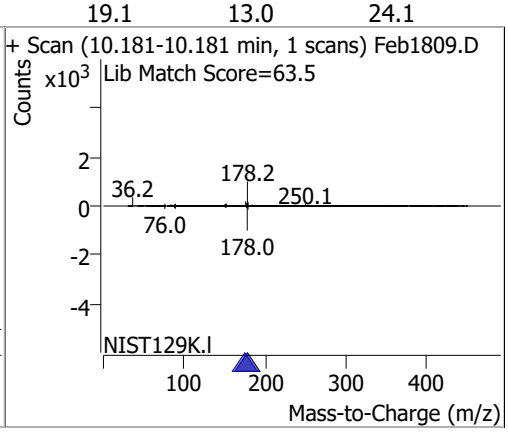




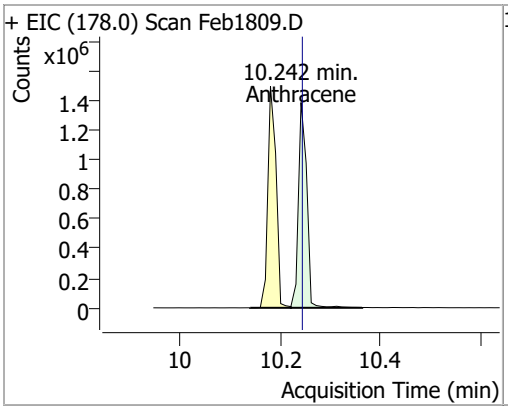
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	75.7953	10.18	0.00	1690096	176.0	19.1	13.0	24.1

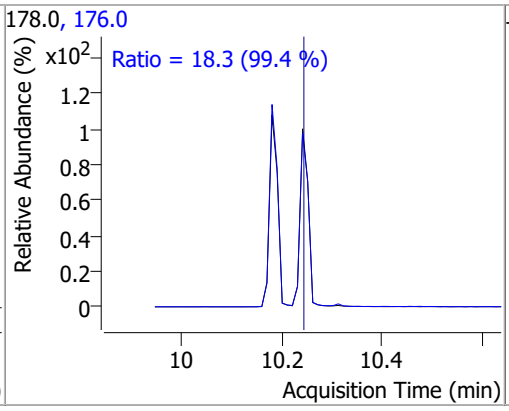


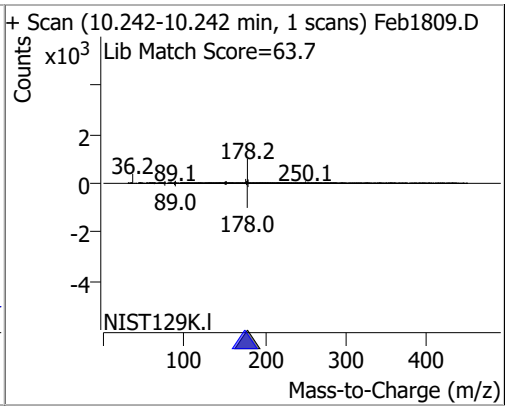




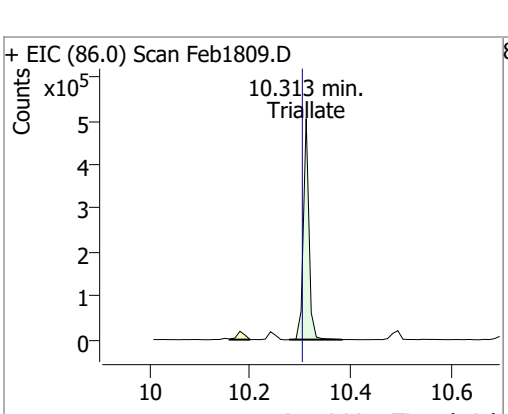
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	76.1040	10.24	-0.01	1595291	176.0	18.3	12.9	23.9

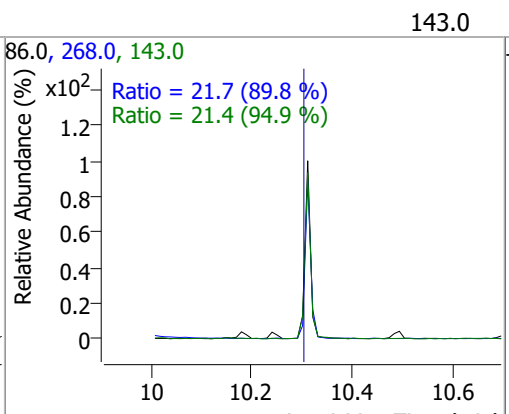


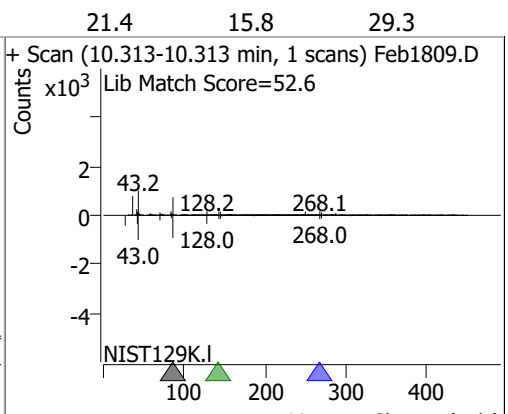




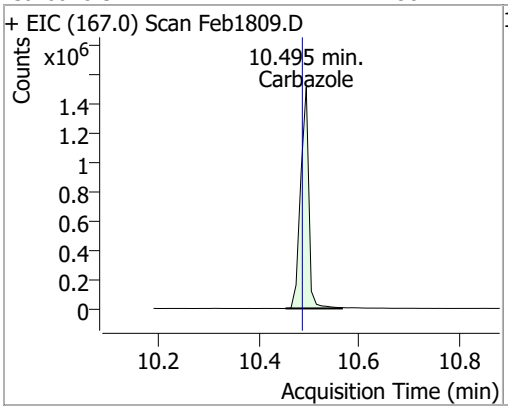
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	78.3979	10.31	0.00	390681	268.0	21.7	16.9	31.4
					143.0	21.4	15.8	29.3

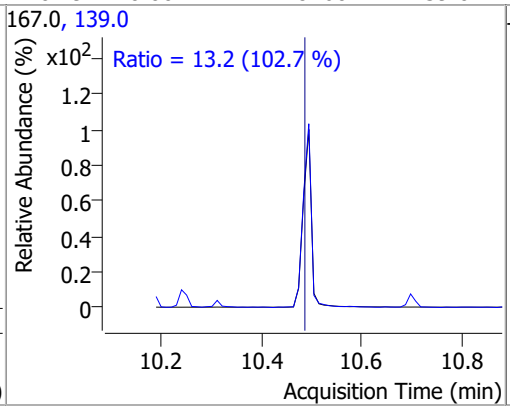


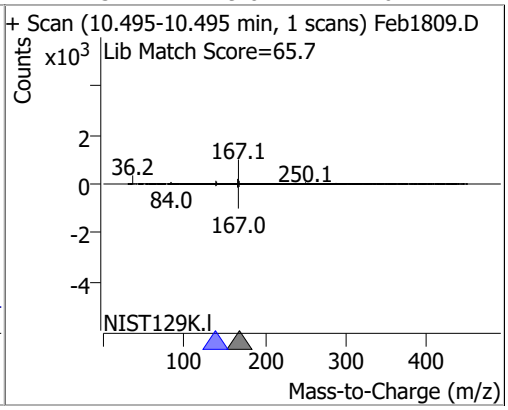




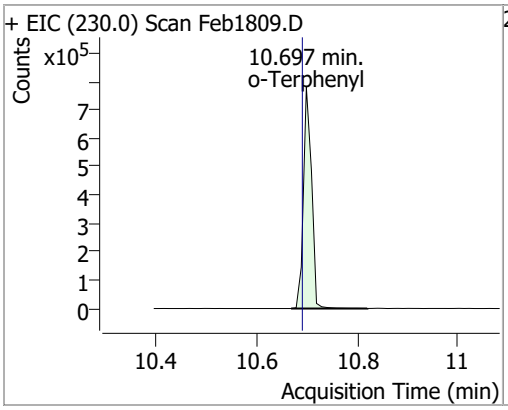
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	80.7772	10.49	0.00	1718160	139.0	13.2	9.0	16.7

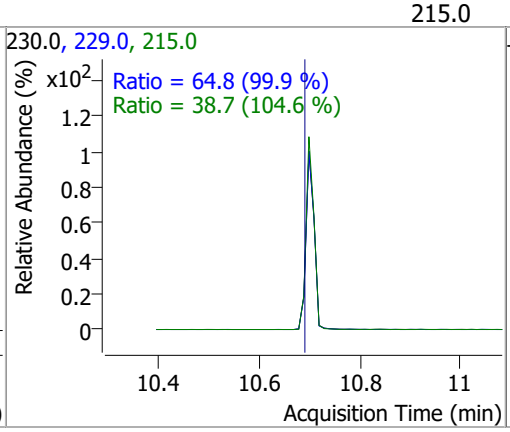


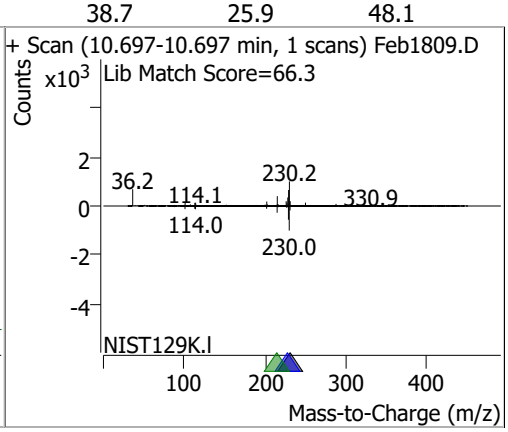




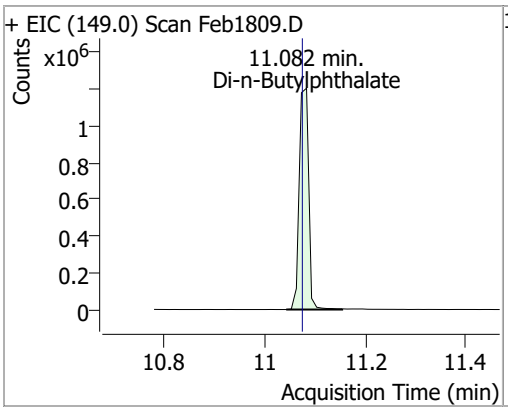
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	74.5678	10.70	0.00	880627	229.0	64.8	45.4	84.3
					215.0	38.7	25.9	48.1

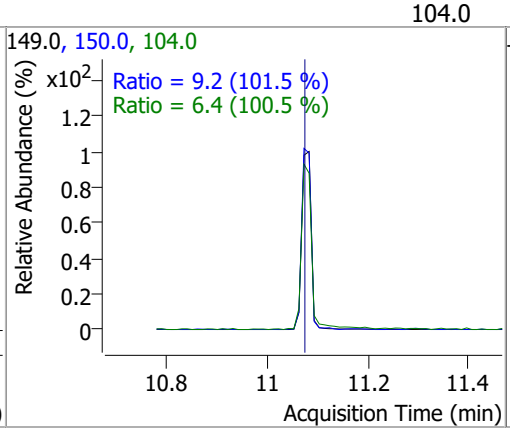


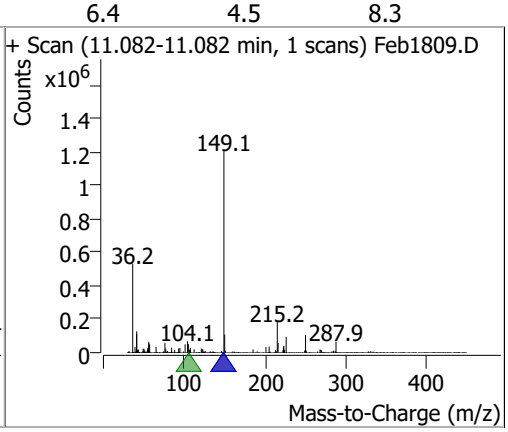




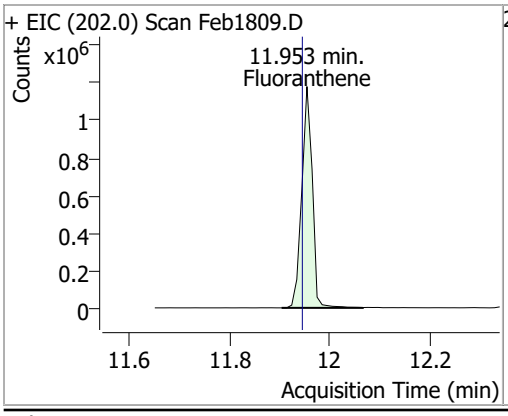
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	79.0134	11.08	0.00	1581866	150.0	9.2	6.3	11.8
					104.0	6.4	4.5	8.3

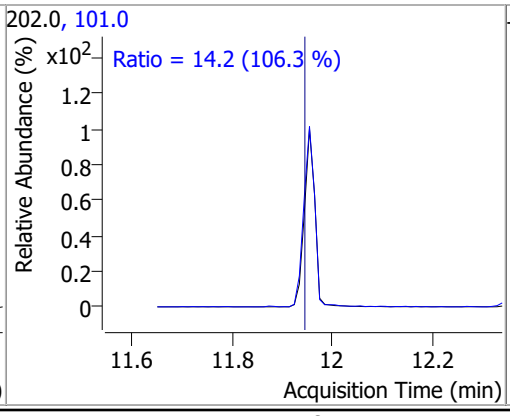


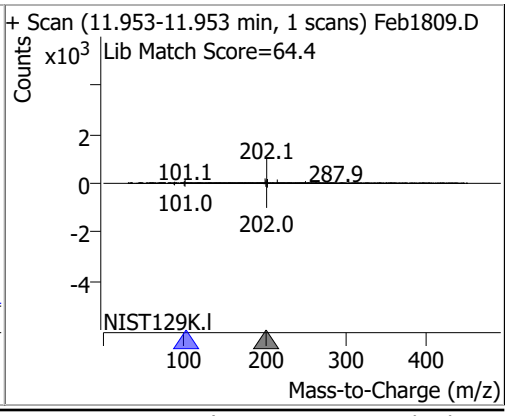




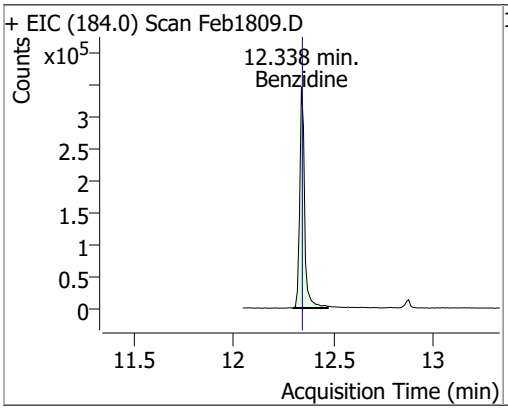
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	77.6312	11.95	0.00	1727903	101.0	14.2	9.4	17.4

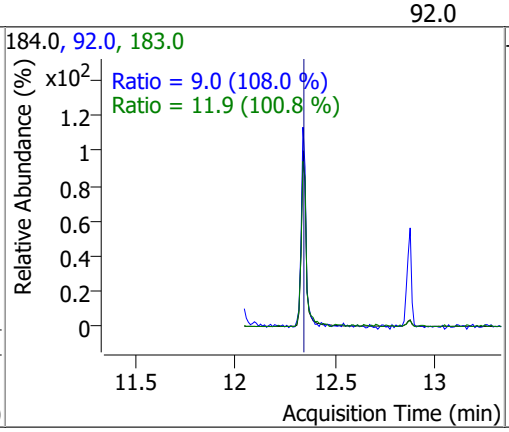


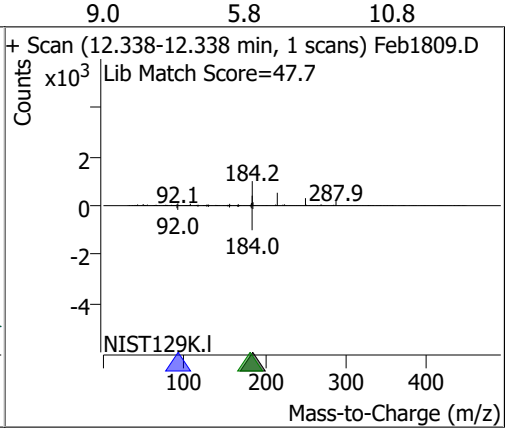




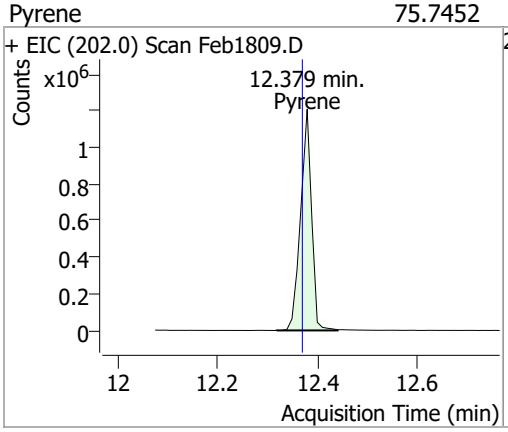
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	75.0213	12.34	-0.01	590851	183.0	11.9	8.3	15.4
					92.0	9.0	5.8	10.8

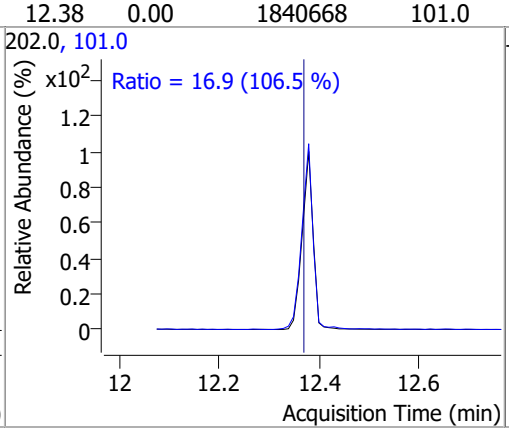


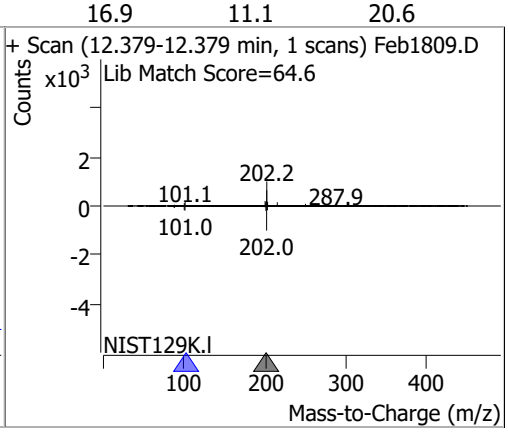




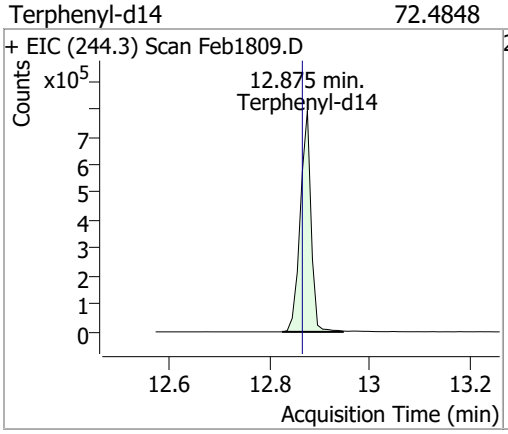
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	75.7452	12.38	0.00	1840668	101.0	16.9	11.1	20.6

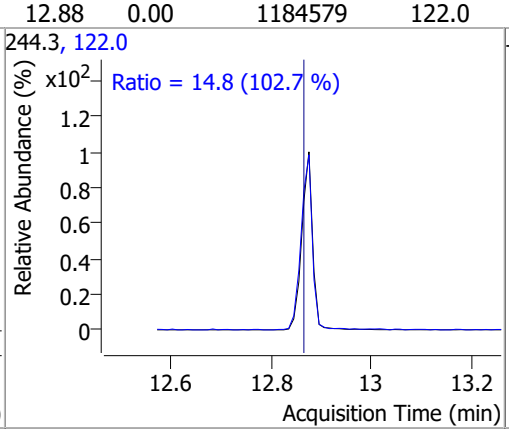


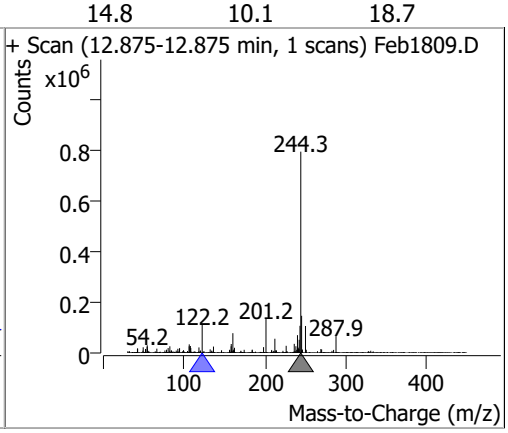




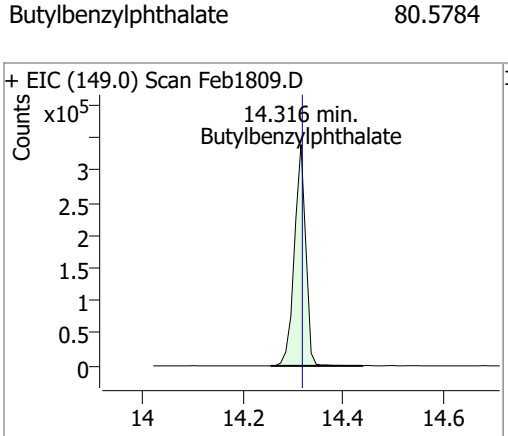
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	72.4848	12.88	0.00	1184579	122.0	14.8	10.1	18.7

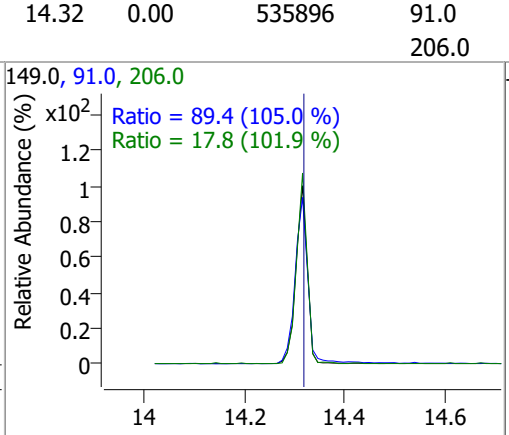


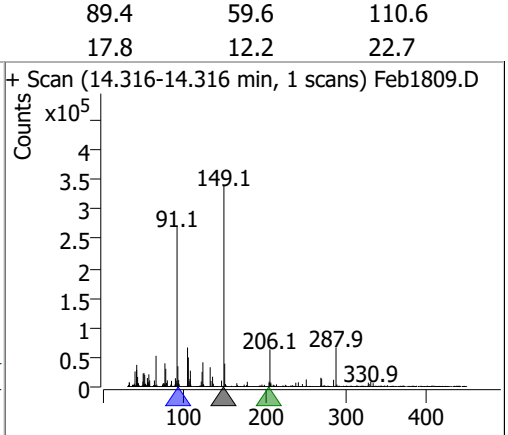




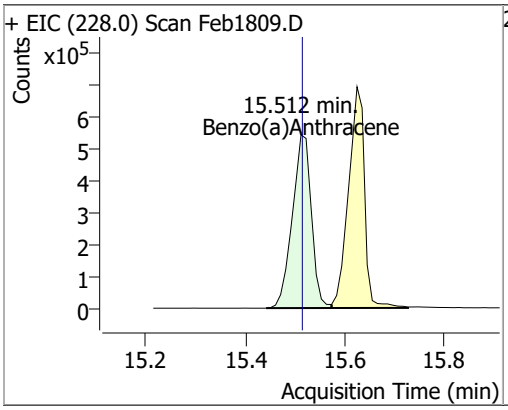
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	80.5784	14.32	0.00	535896	91.0	89.4	59.6	110.6
					206.0	17.8	12.2	22.7

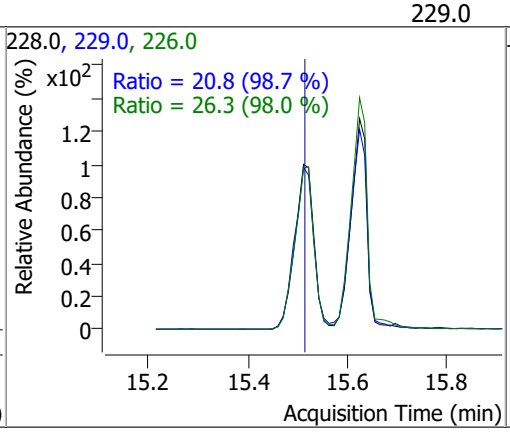


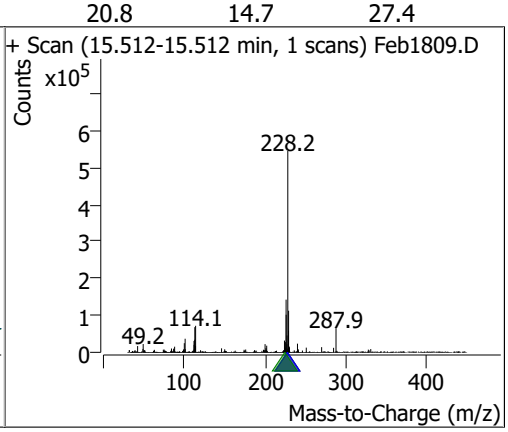




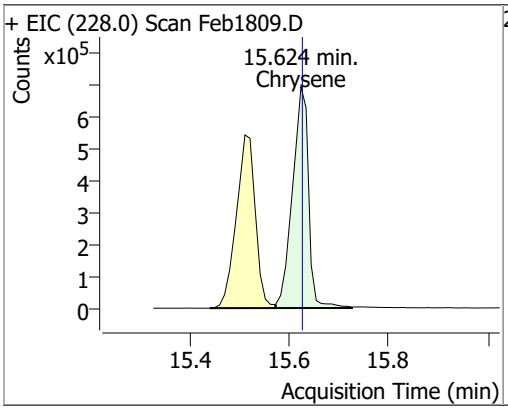
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	82.3594	15.51	0.00	1445216	226.0	26.3	18.8	34.9
					229.0	20.8	14.7	27.4

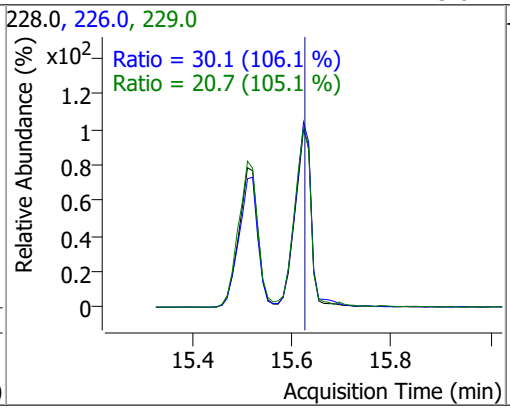


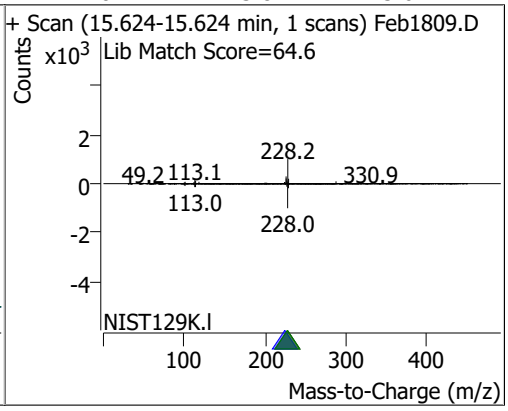




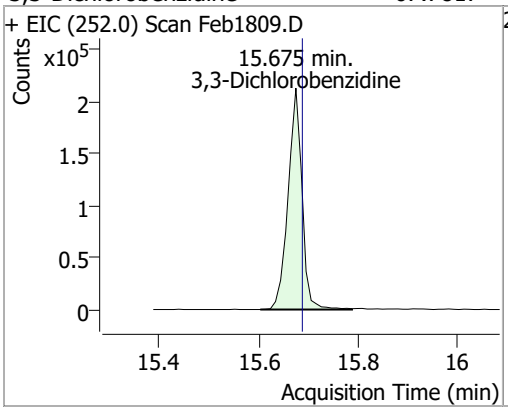
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	79.3013	15.62	0.00	1558124	226.0	30.1	19.9	36.9
					229.0	20.7	13.8	25.6

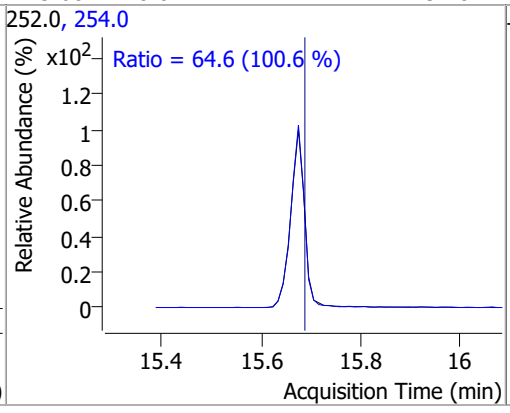


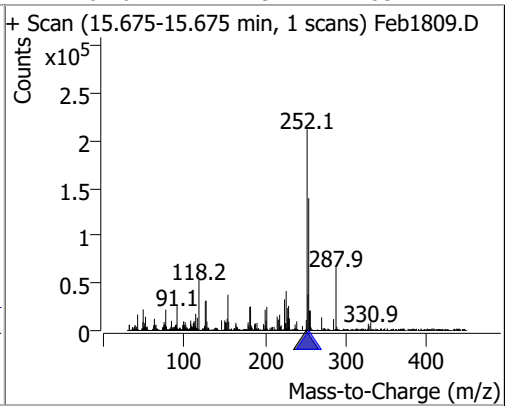




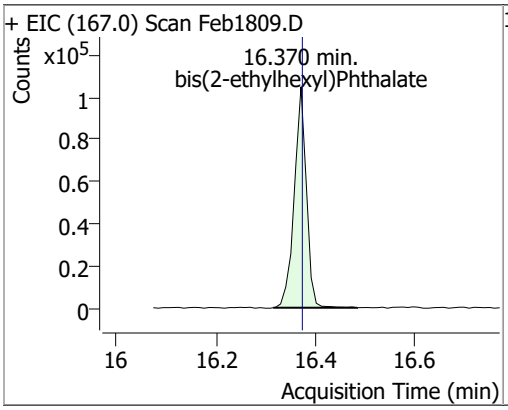
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	67.7817	15.68	-0.01	412447	254.0	64.6	44.9	83.4

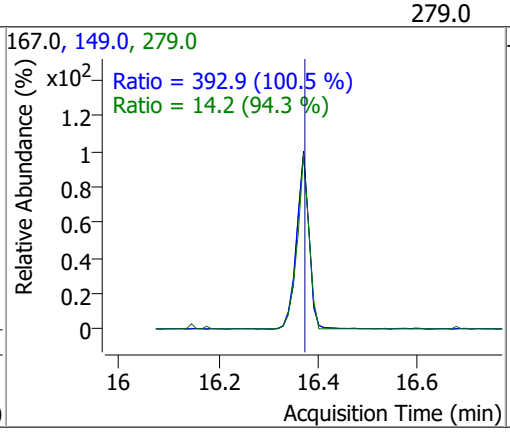


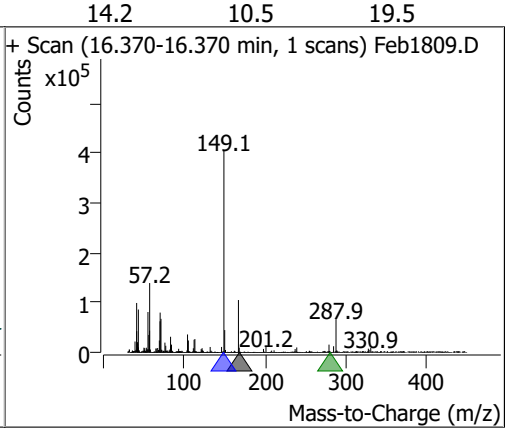




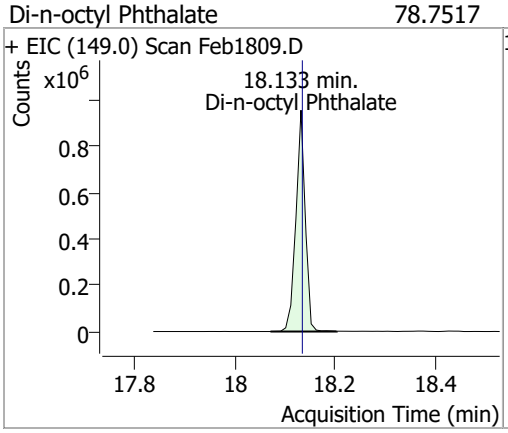
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	78.2900	16.37	0.00	177710	149.0	392.9	273.6	508.0
					279.0	14.2	10.5	19.5

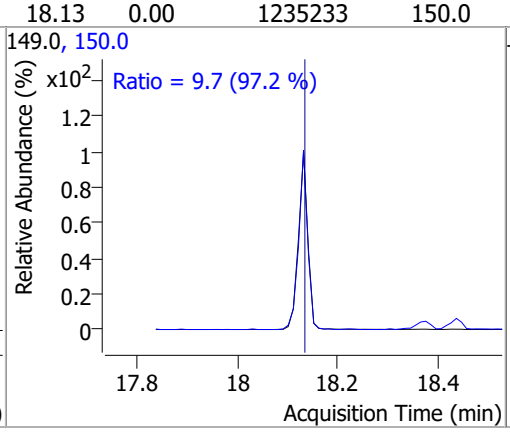


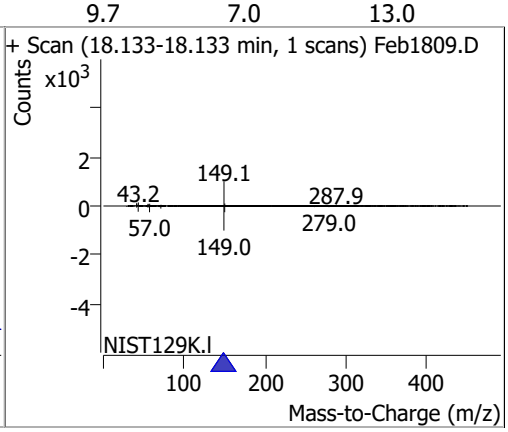




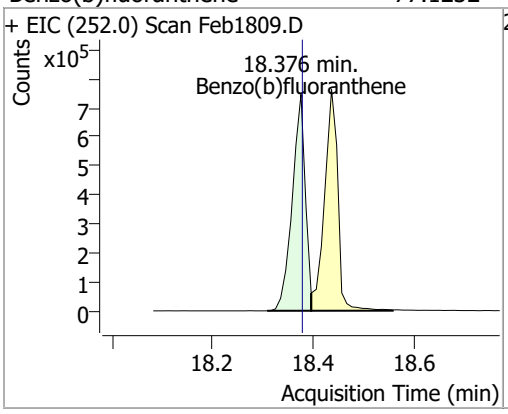
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	78.7517	18.13	0.00	1235233	150.0	9.7	7.0	13.0

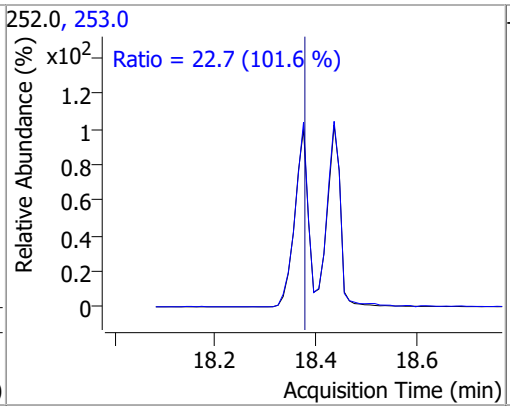


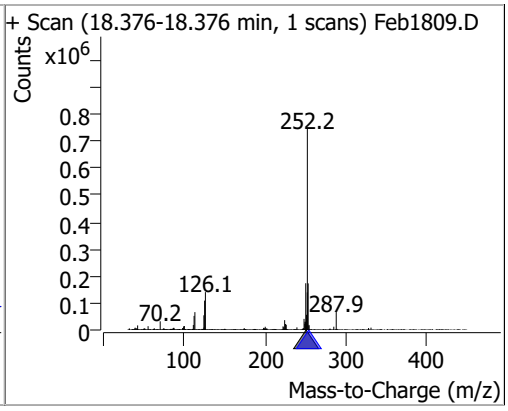




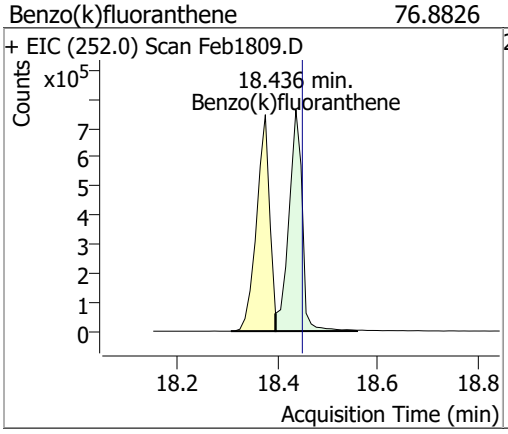
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	77.1232	18.38	0.00	1337400	253.0	22.7	15.6	29.0

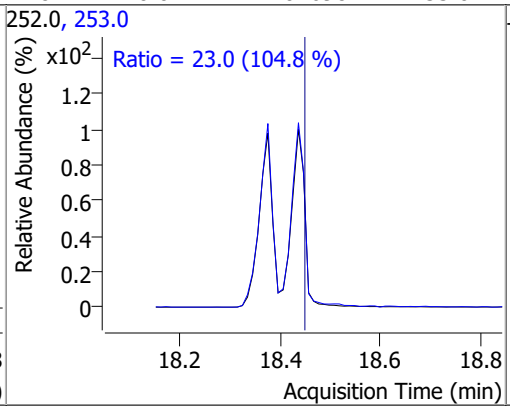


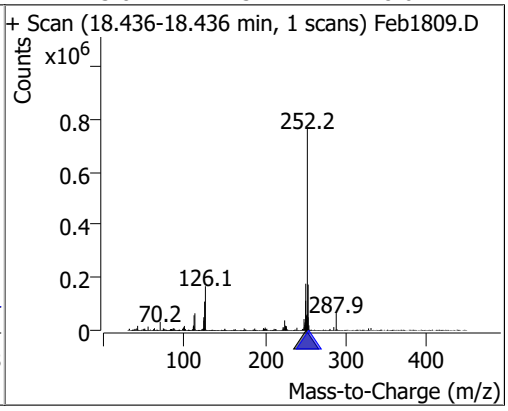




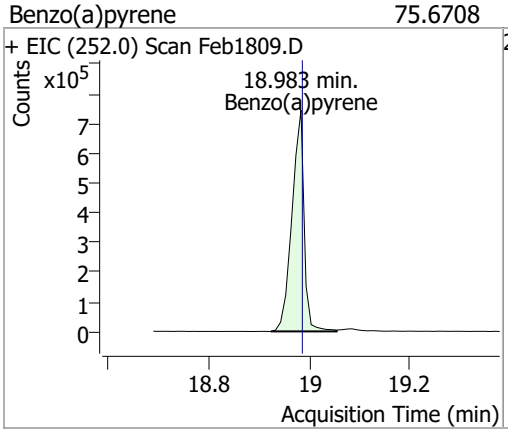
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	76.8826	18.44	-0.01	1401698	253.0	23.0	15.4	28.6

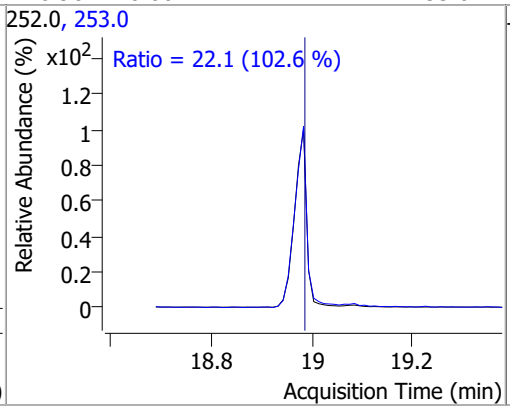


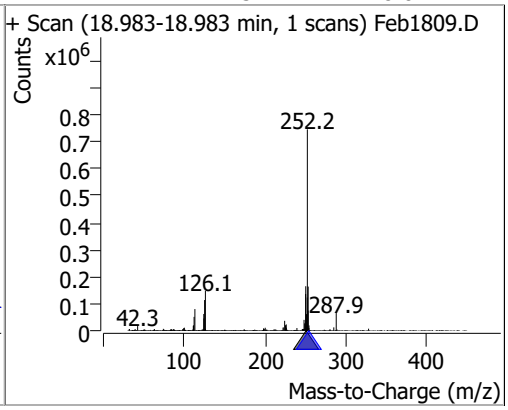




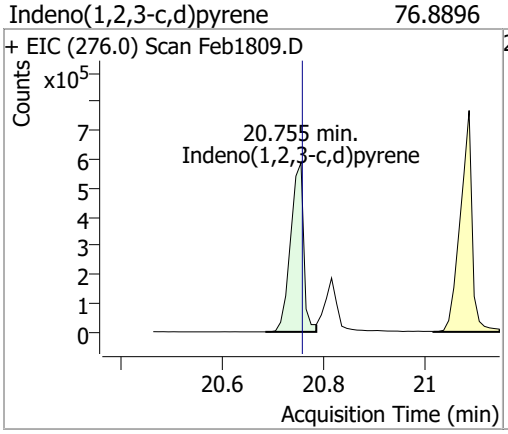
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	75.6708	18.98	0.00	1242141	253.0	22.1	15.1	28.0

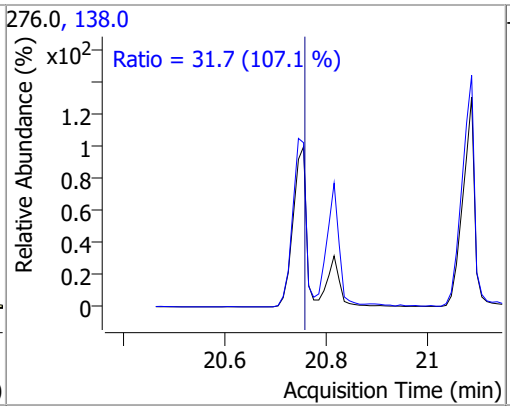


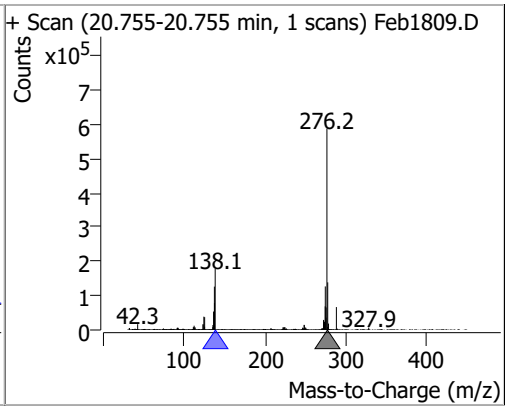




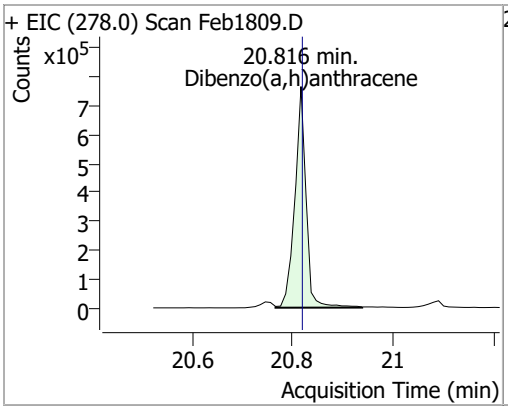
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	76.8896	20.76	0.00	1059011	138.0	31.7	20.7	38.5

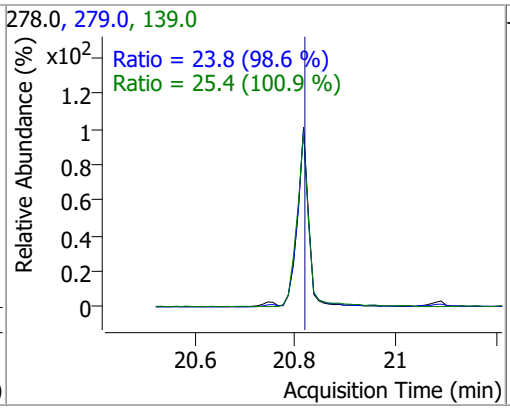


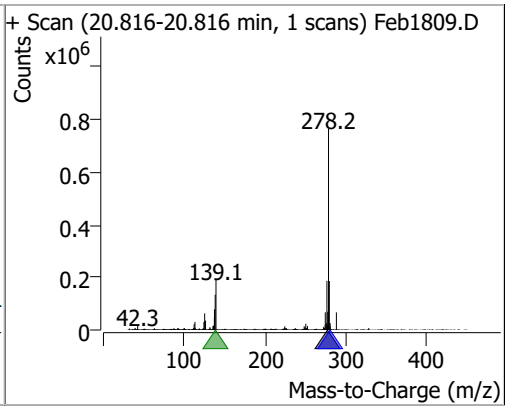




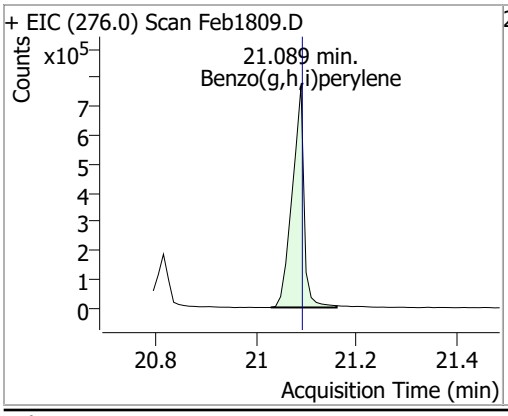
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	79.0840	20.82	0.00	1185669	139.0	25.4	17.6	32.7
					279.0	23.8	16.9	31.3

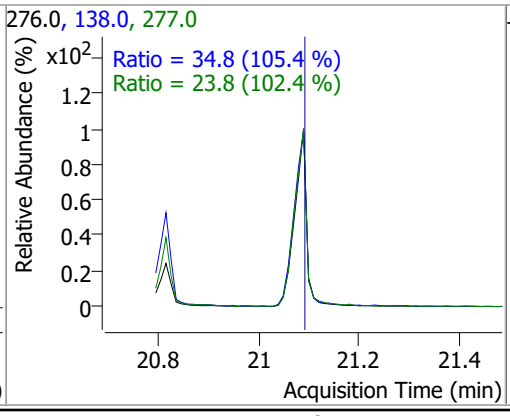


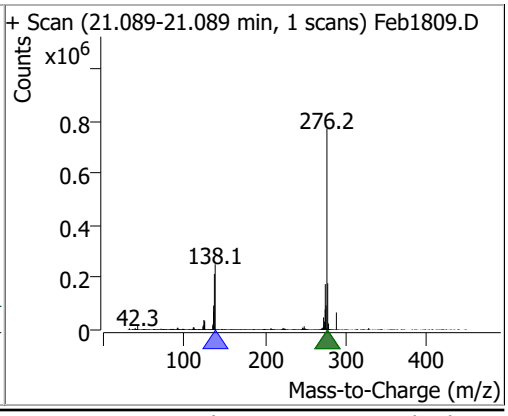




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	78.8525	21.09	0.00	1251600	138.0	34.8	23.1	42.9
					277.0	23.8	16.3	30.2

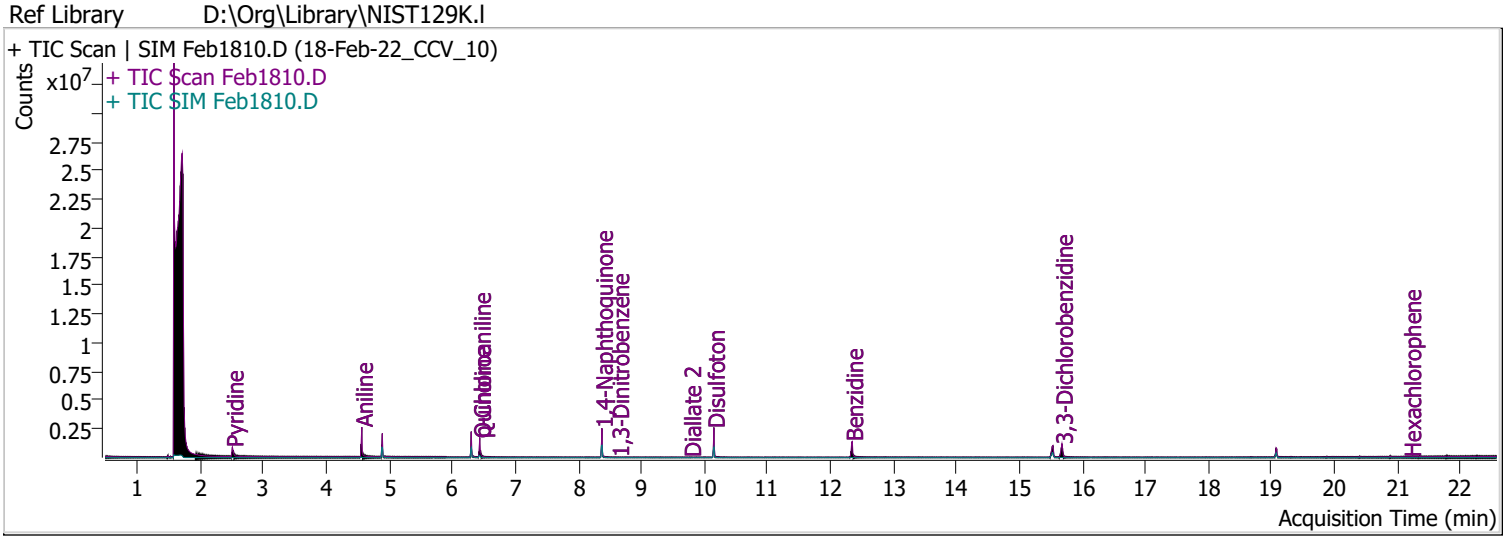






Quantitation Results Report (QT Reviewed)

Data File	Feb1810.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 12:52:18 PM
Sample Name	18-Feb-22_CCV_10	Instrument	Instrument #1
Vial	10	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



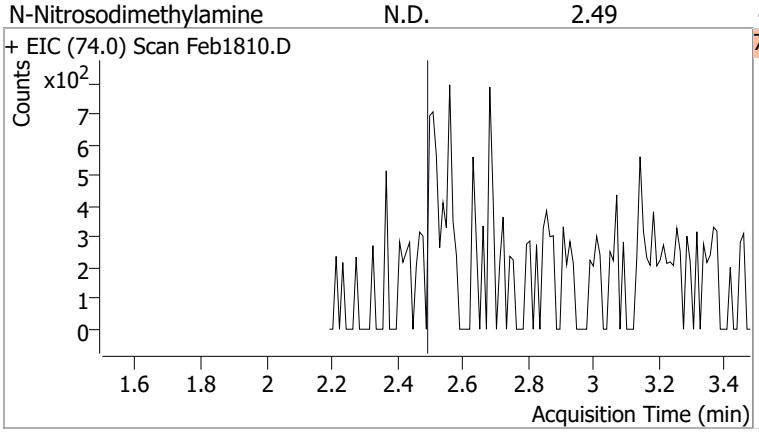
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	0.000		0	N.D.			
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = NA%			
S Phenol-d5	0.000		0	N.D.			
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = NA%			
S Nitrobenzene-d5	0.000		0	N.D.			
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = NA%			
S 2-Fluorobiphenyl	0.000		0	N.D.			
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = NA%			
S 2,4,6-Tribromophenol	0.000		0	N.D.			
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	0.000		0	N.D.			
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = NA%			
Target Compounds							QValue
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	2.509	79.0	414809	68.5148	µg/L		99
T Aniline	4.562	93.0	1035695	70.9729	µg/L		98
T Phenol	4.562	94.0	0		µg/L	md	1
T bis(-2-Chloroethyl)Ether	4.562	63.0	0		µg/L	md	1
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	0.000		0	N.D.			
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

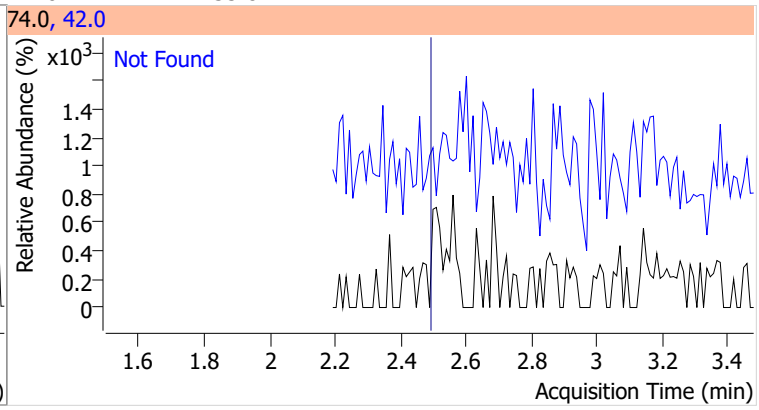
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	6.434	93.0	0		µg/L	md	1
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	6.434	128.0	0		µg/L	md	1
T 4-Chlorophenol	6.434	130.0	0		µg/L	md	1
T p-Chloroaniline	6.434	127.0	594557	71.3064	µg/L	#	70
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	0.000		0	N.D.			
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.348	184.0	931105	131.4511	µg/L		99
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	15.675	252.0	431740	69.9955	µg/L		99
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

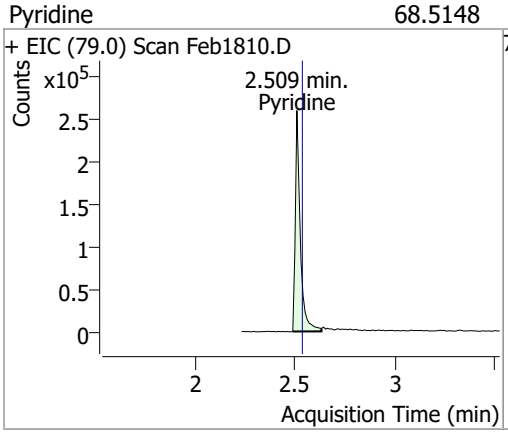
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

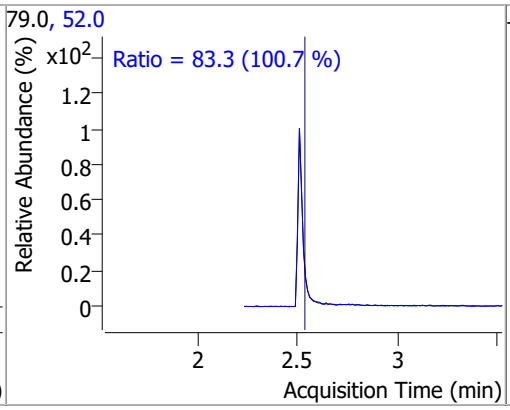
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8

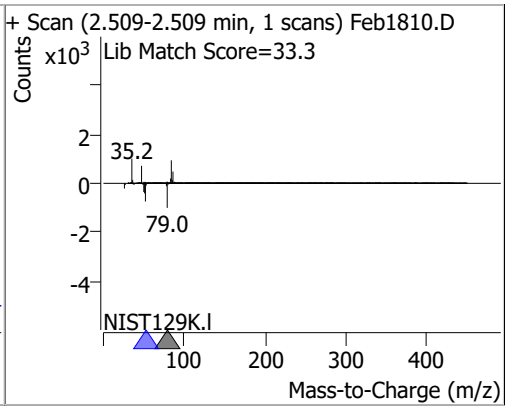




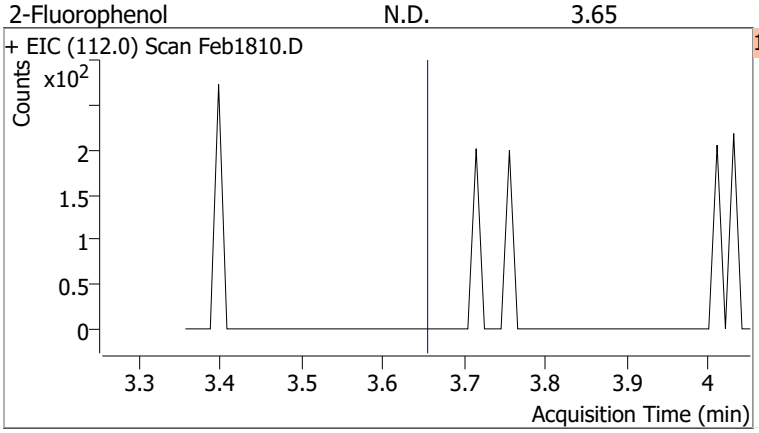
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	68.5148	2.51	-0.02	414809	52.0	83.3	57.9	107.6

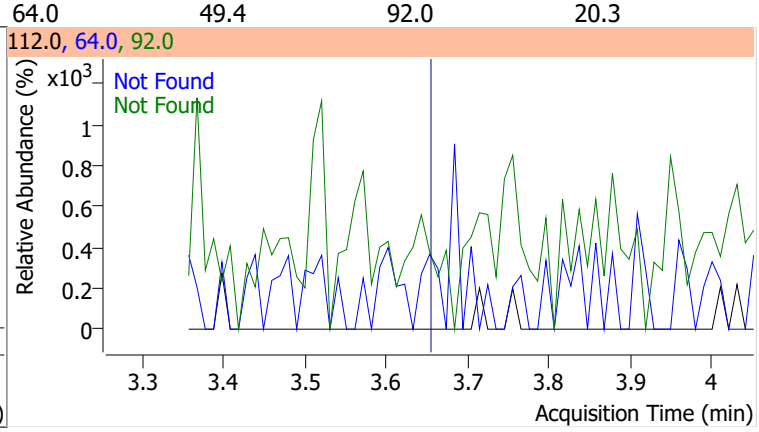




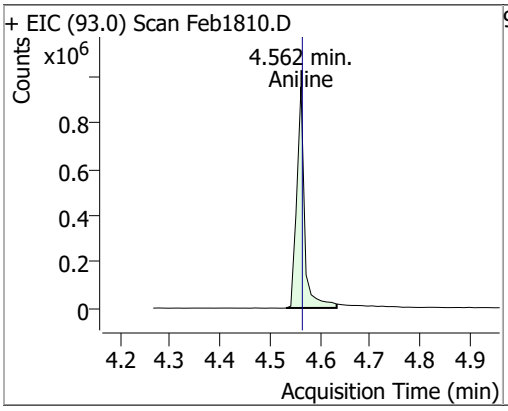


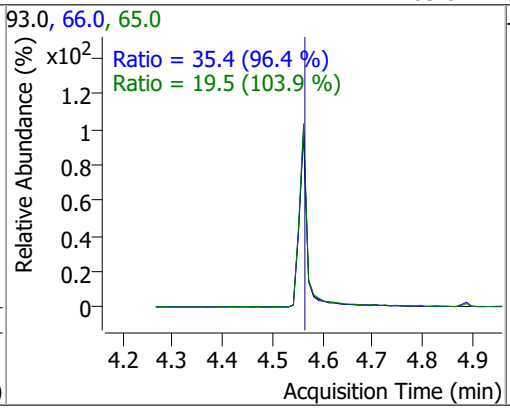
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Fluorophenol	N.D.	3.65	64.0	49.4	92.0	20.3

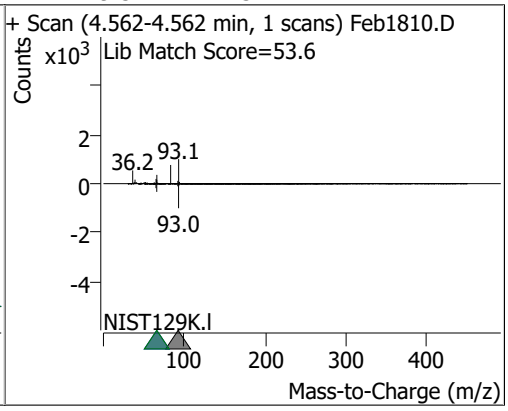




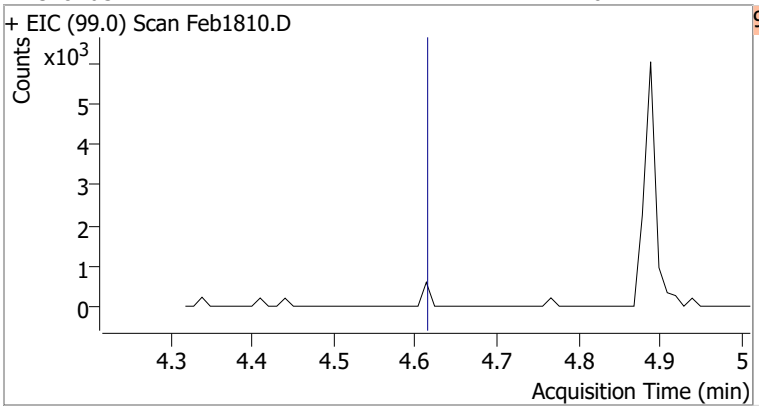
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	70.9729	4.56	0.00	1035695	66.0	35.4	25.7	47.8
					65.0	19.5	13.1	24.4

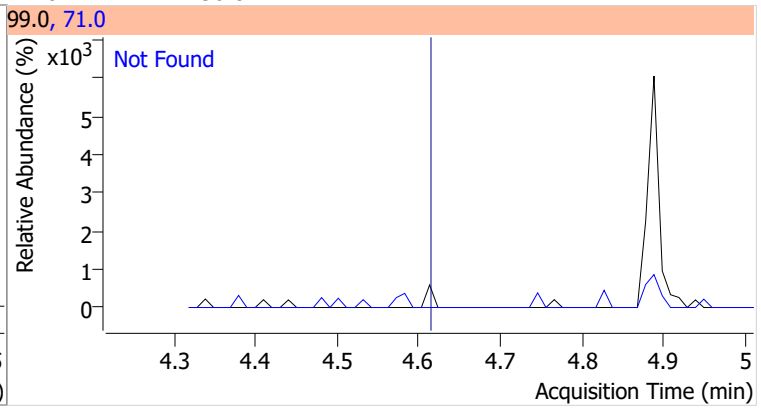




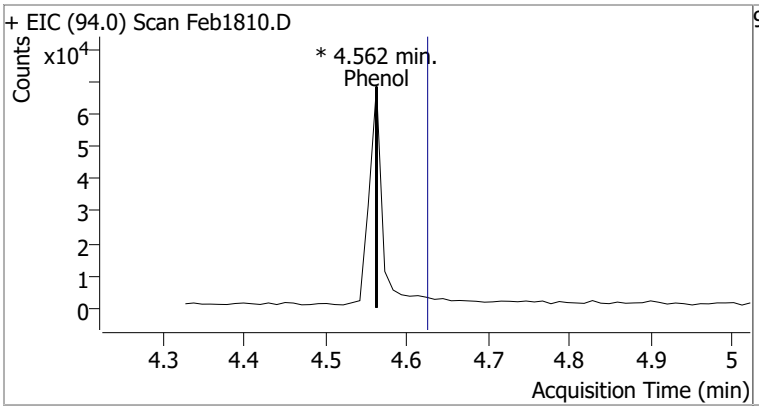


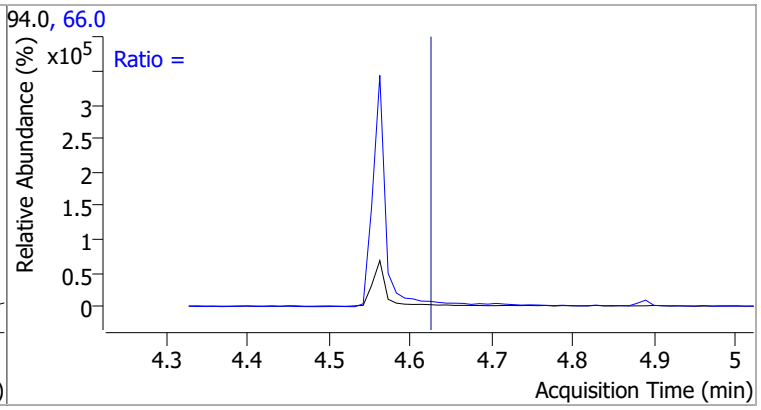
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol-d5	N.D.	4.61	71.0	36.8



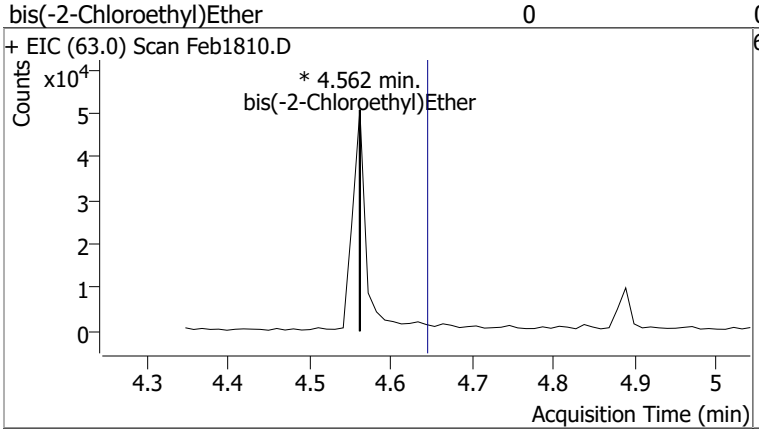


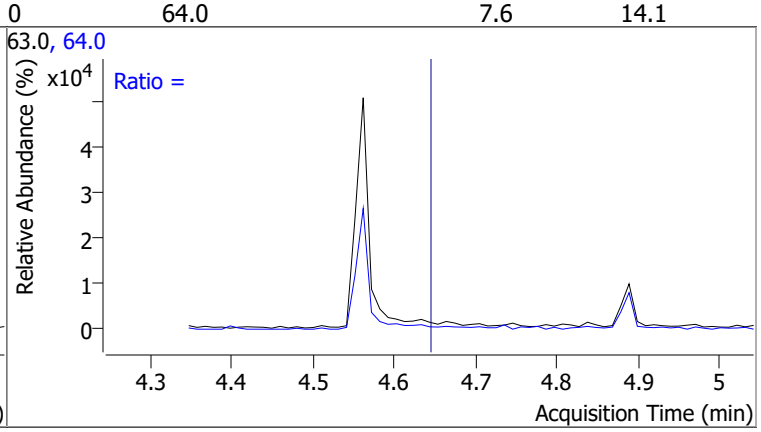
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol		0		0	66.0		31.7	58.9



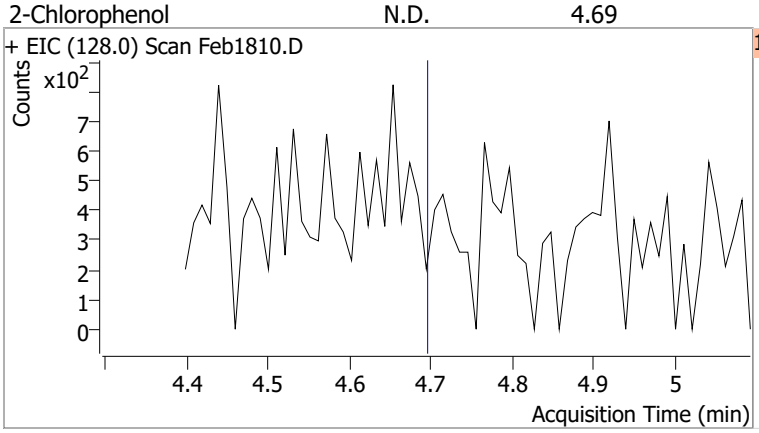


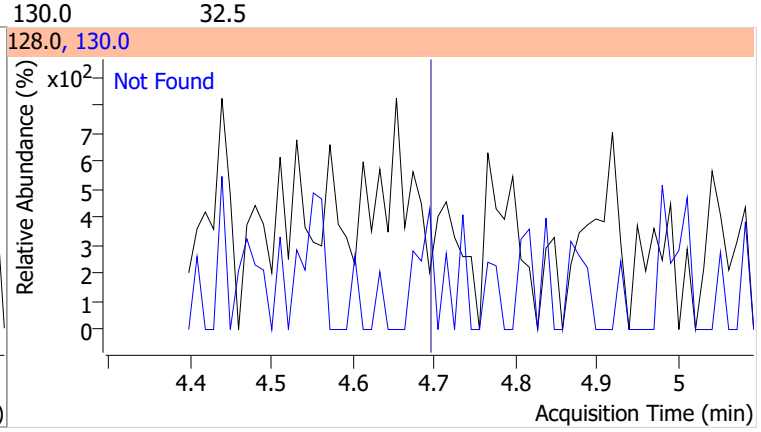
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether		0		0	64.0		7.6	14.1



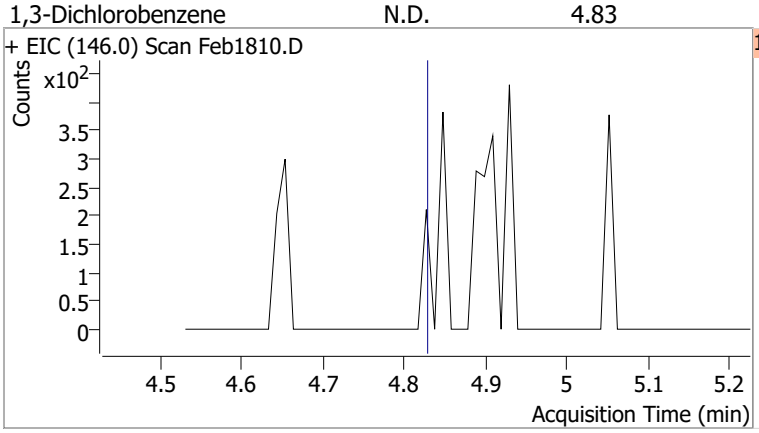


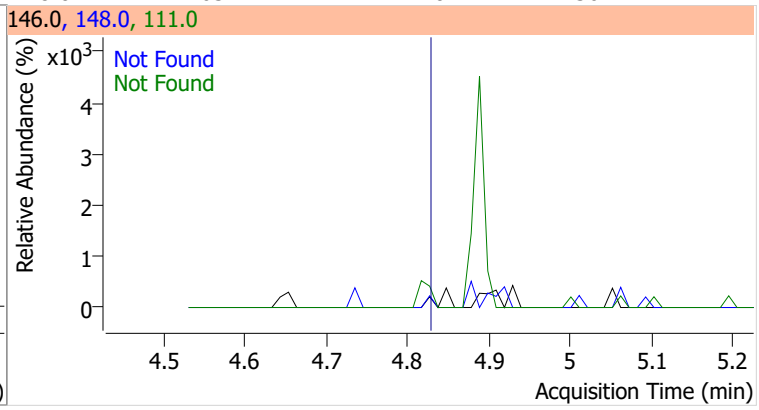
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



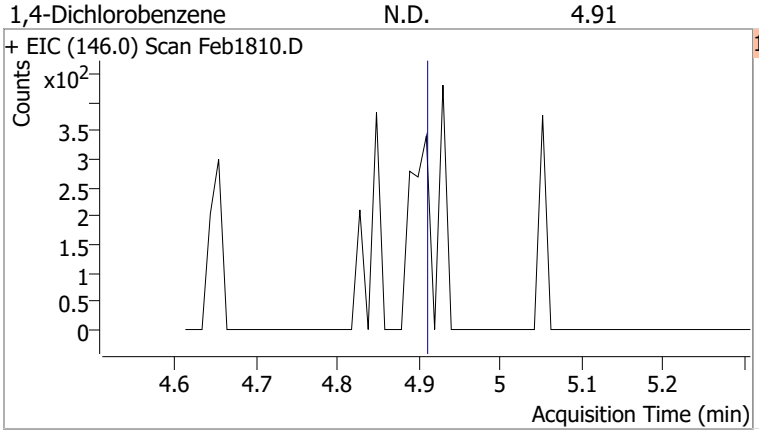


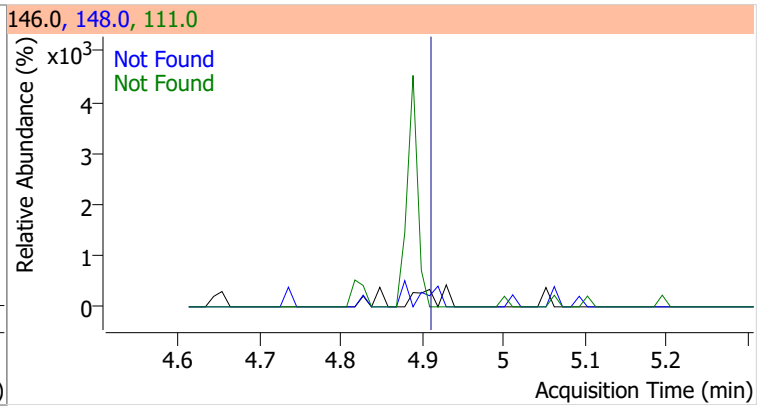
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



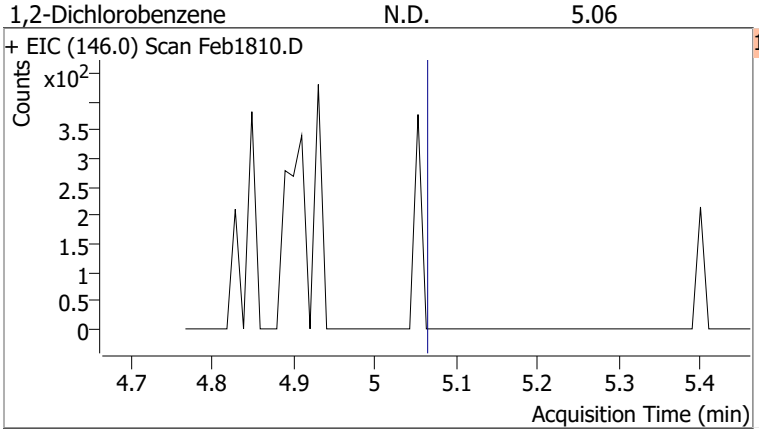


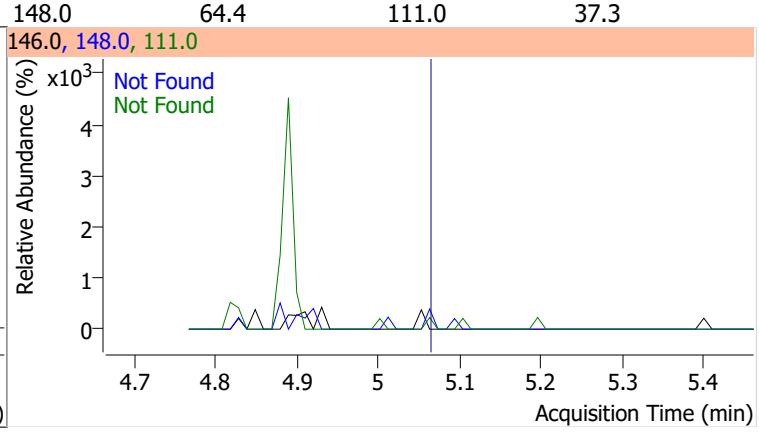
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



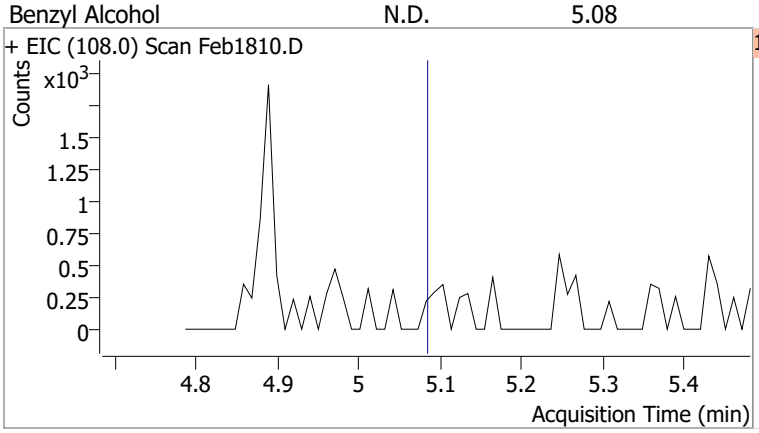


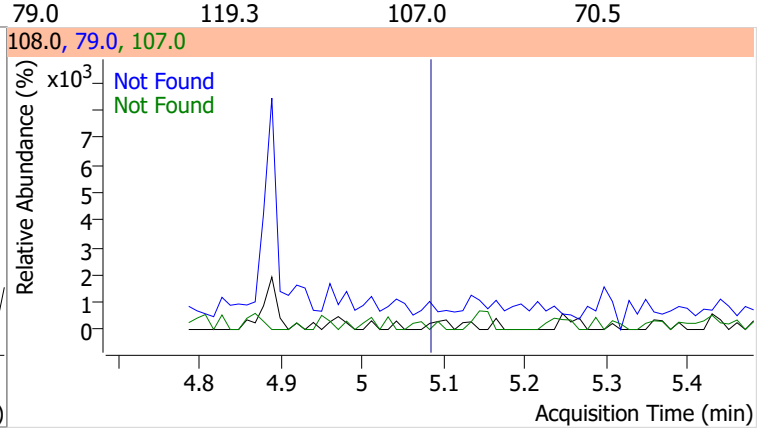
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



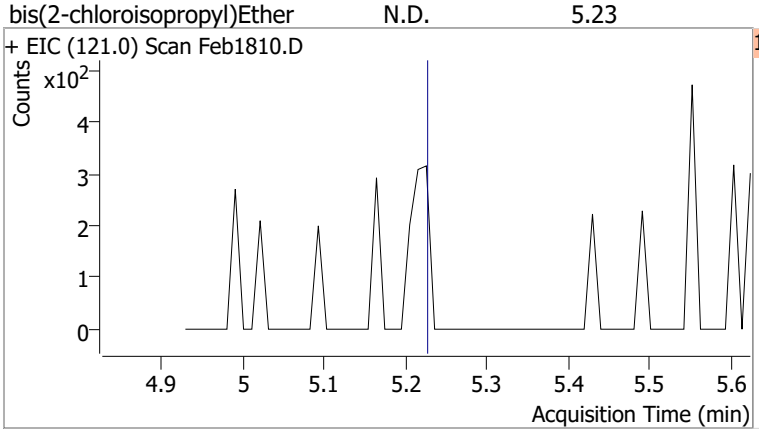


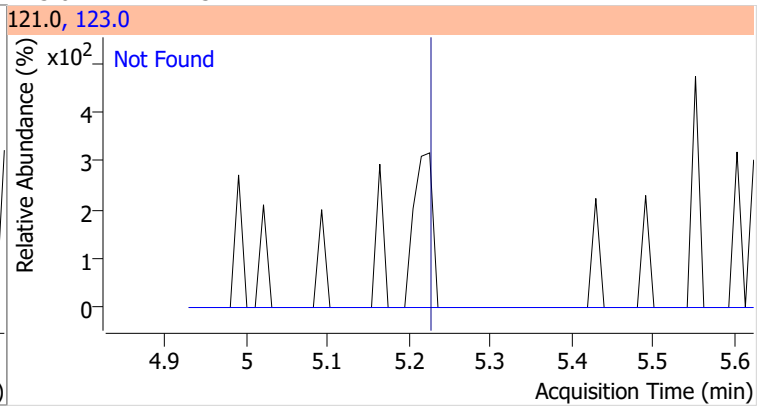
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



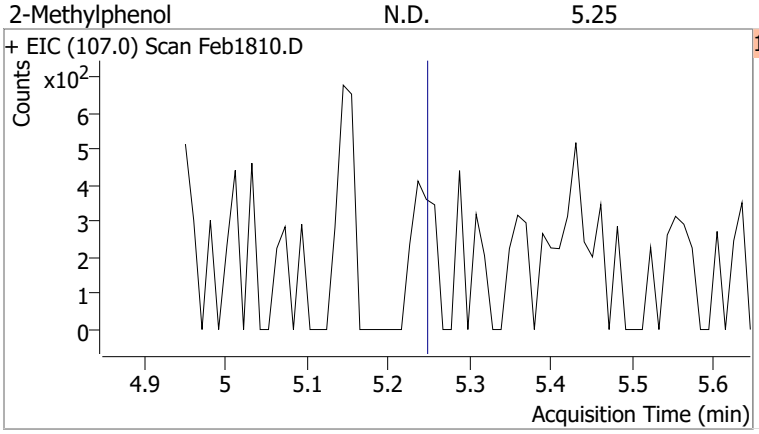


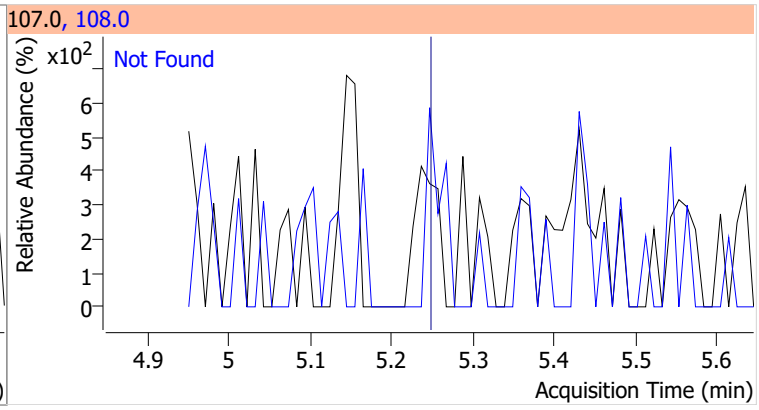
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



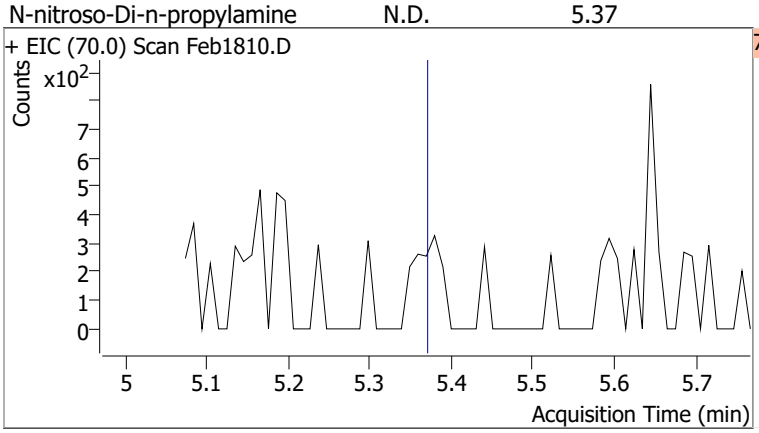


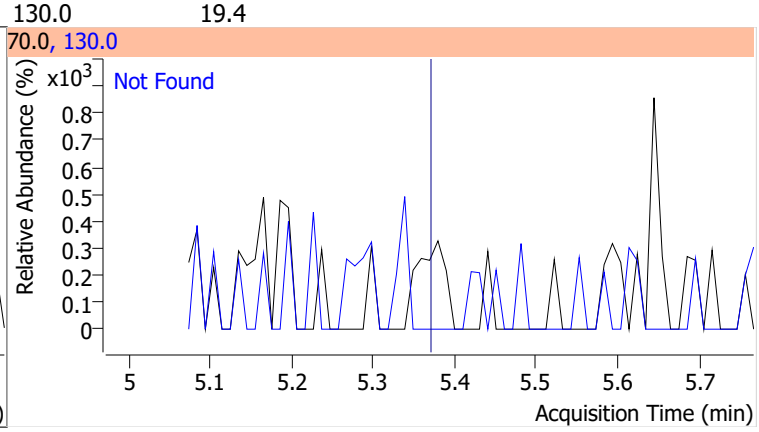
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



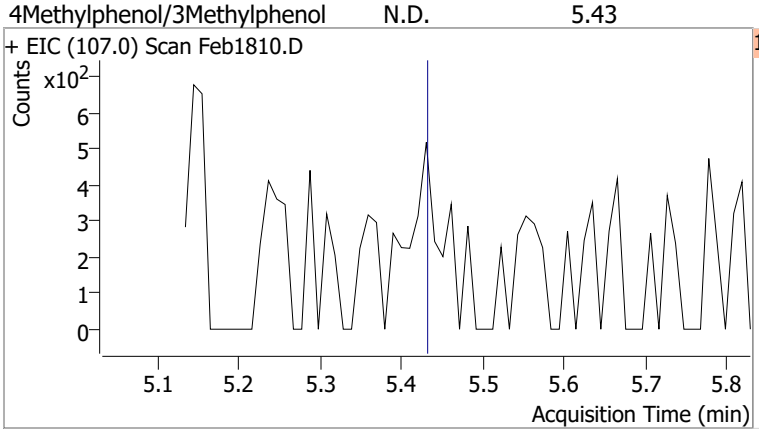


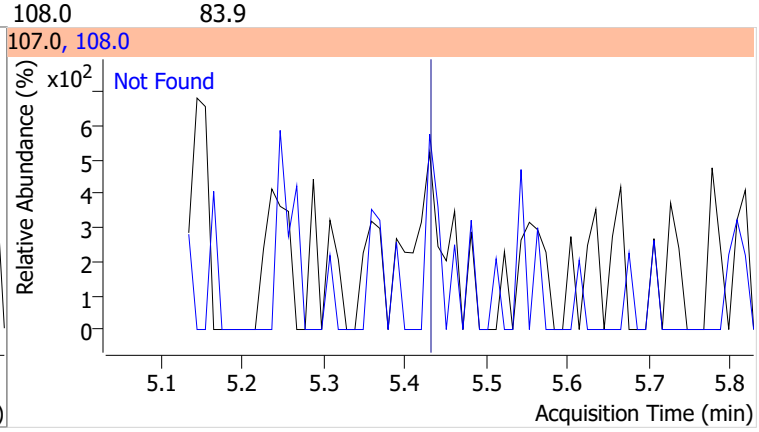
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-nitroso-Di-n-propylamine	N.D.	5.37	130.0	19.4



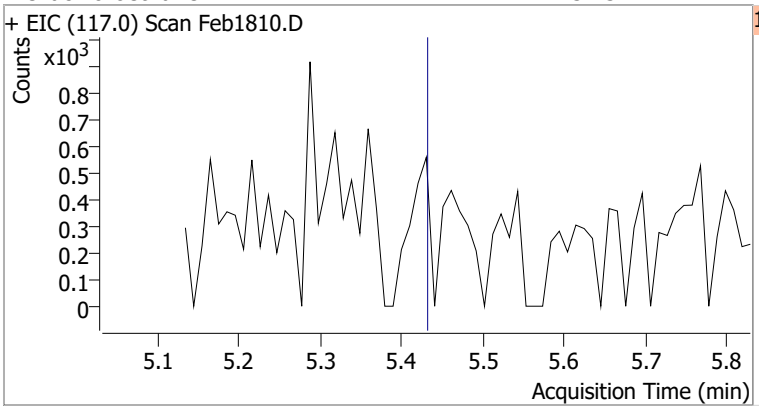


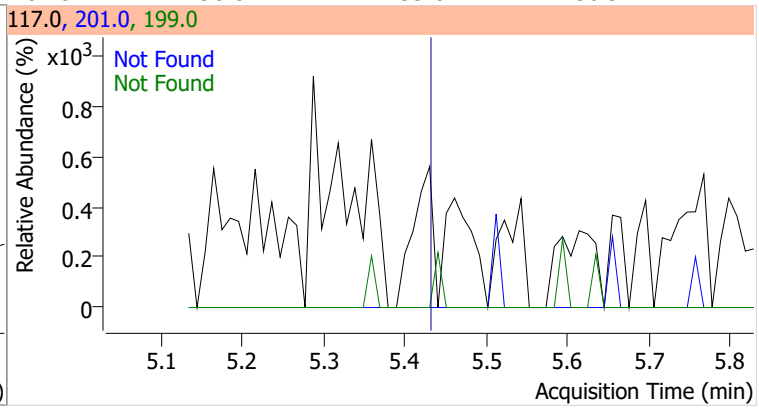
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



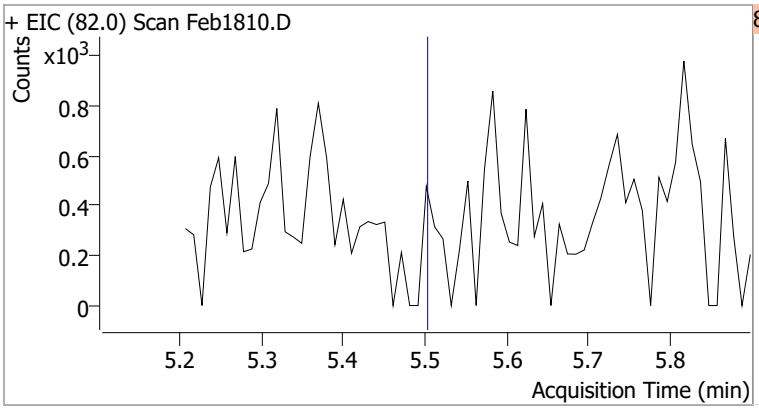


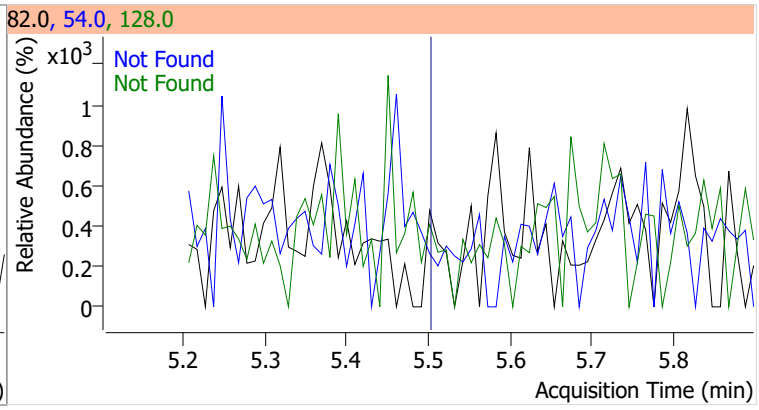
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9



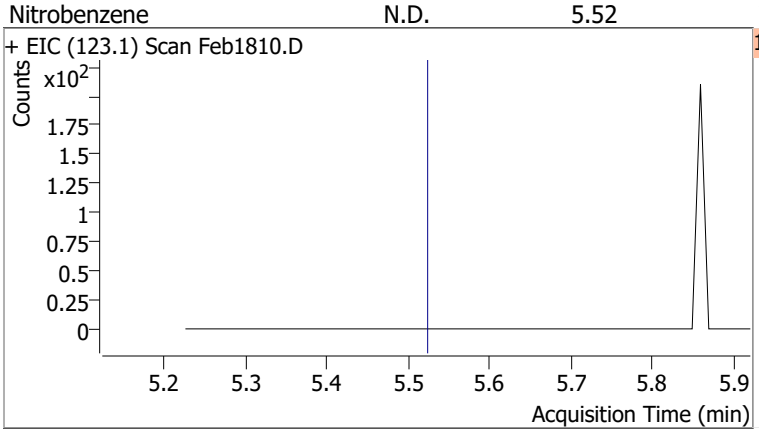


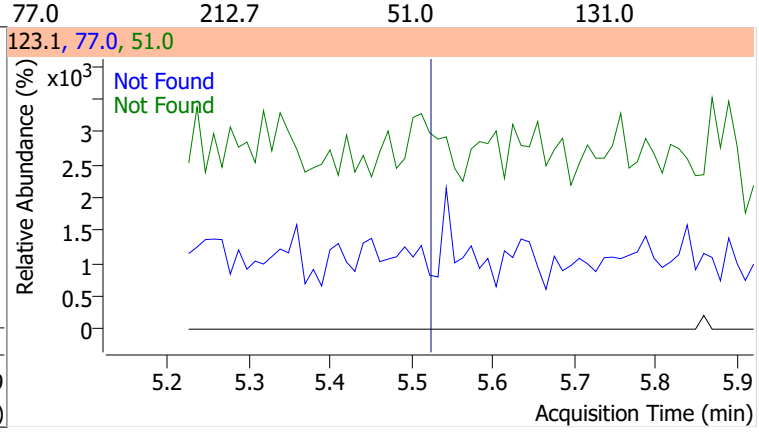
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene-d5	N.D.	5.50	54.0	66.2	128.0	48.7



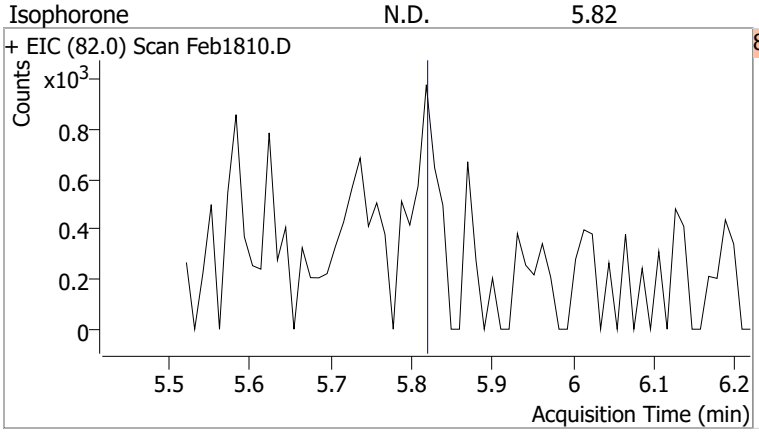


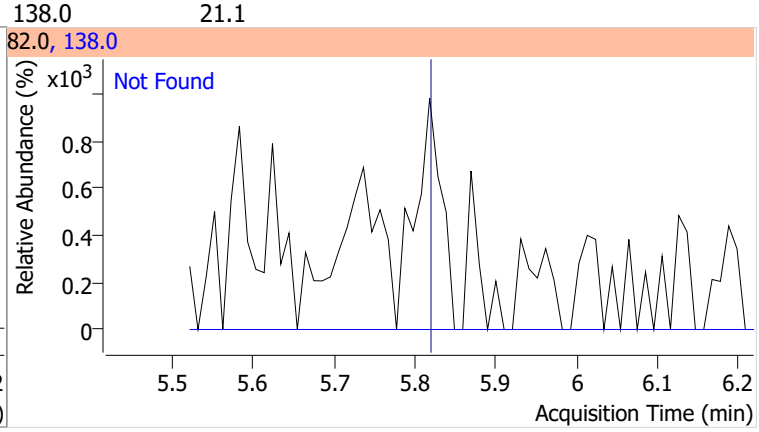
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



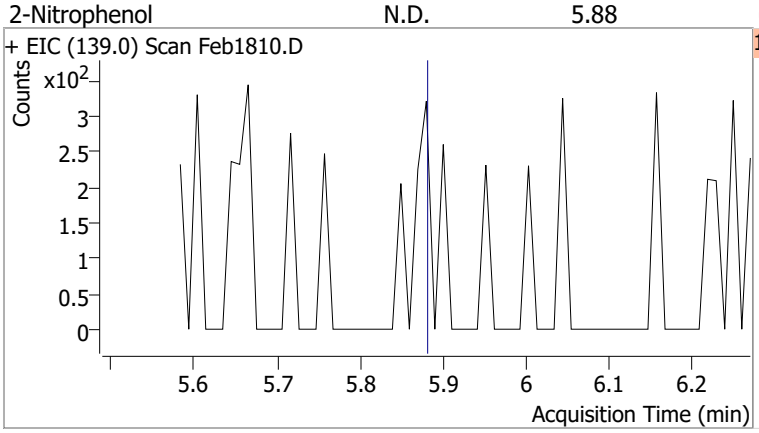


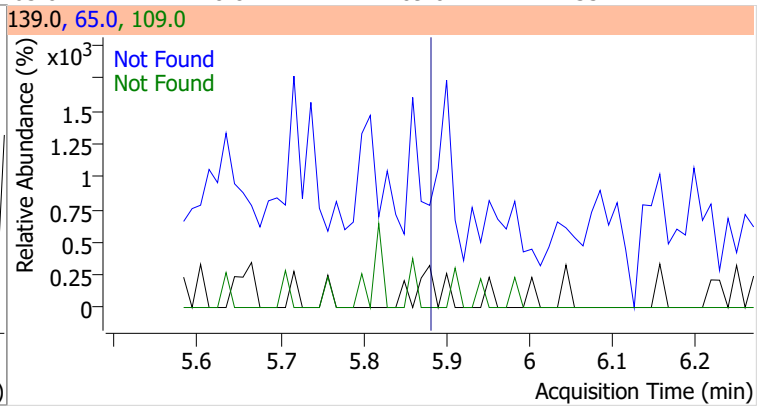
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



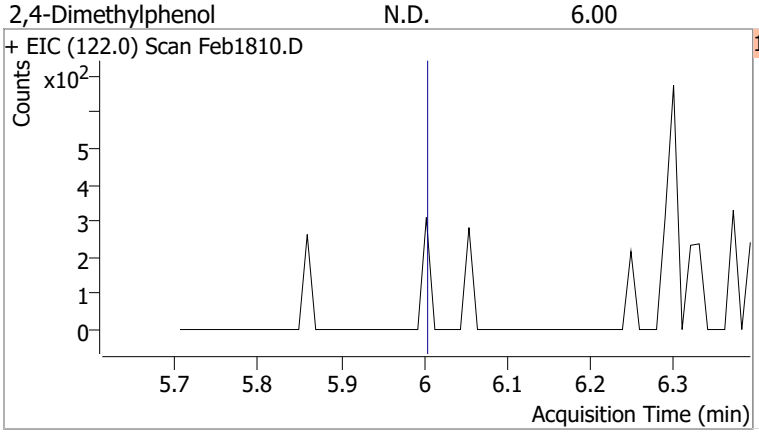


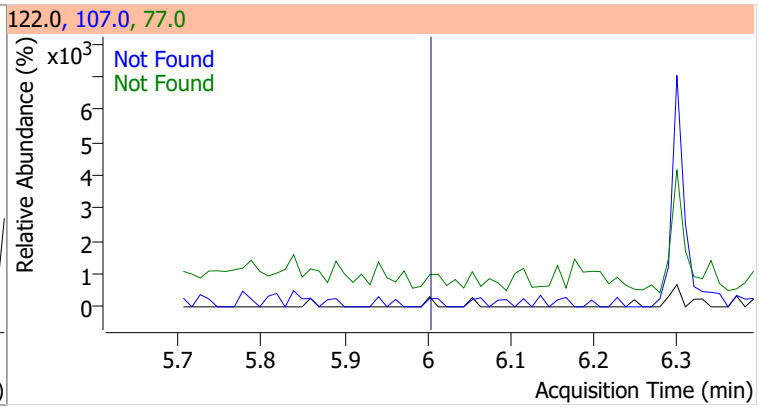
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



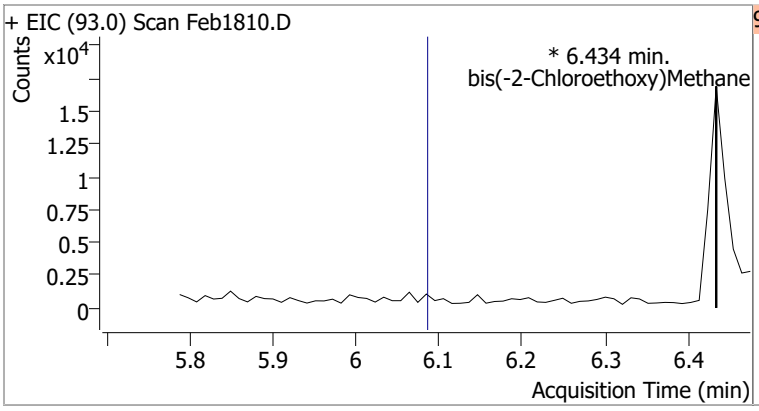


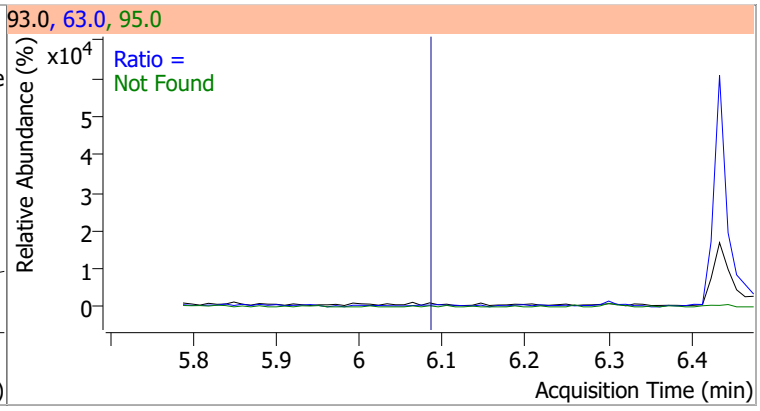
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



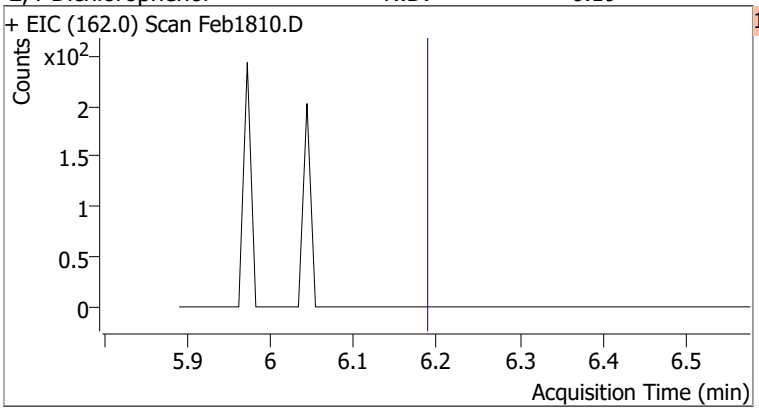


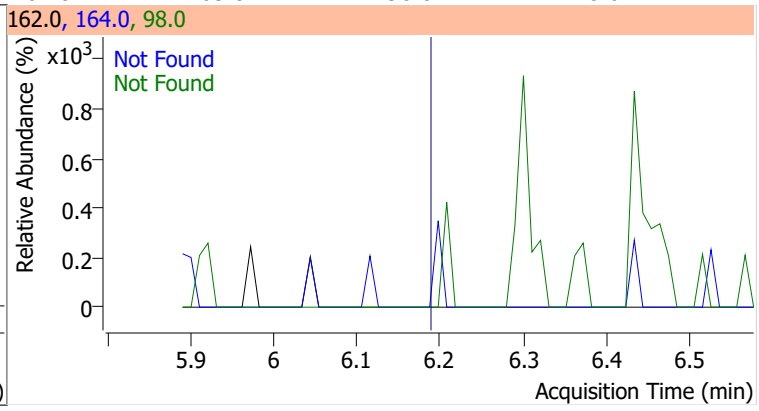
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane		0		0	63.0		47.7	88.6
					95.0		22.3	41.5



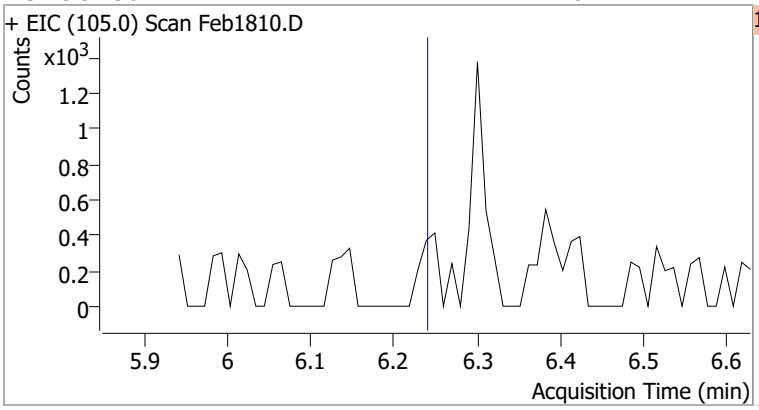


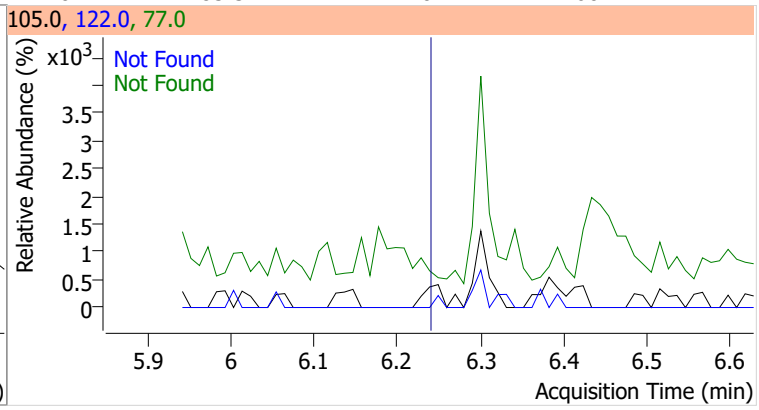
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



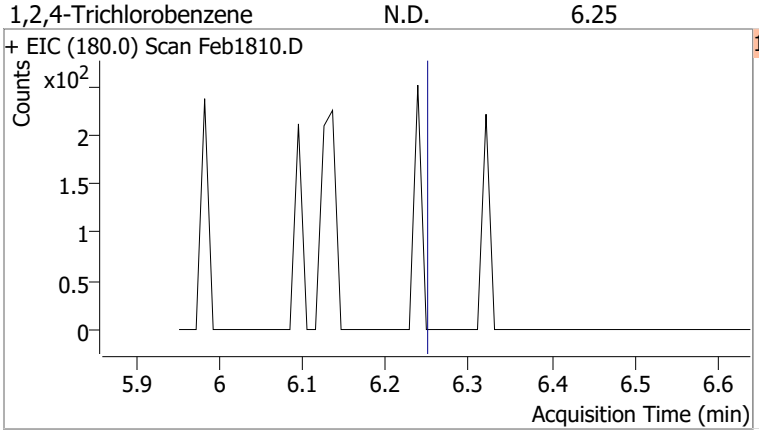


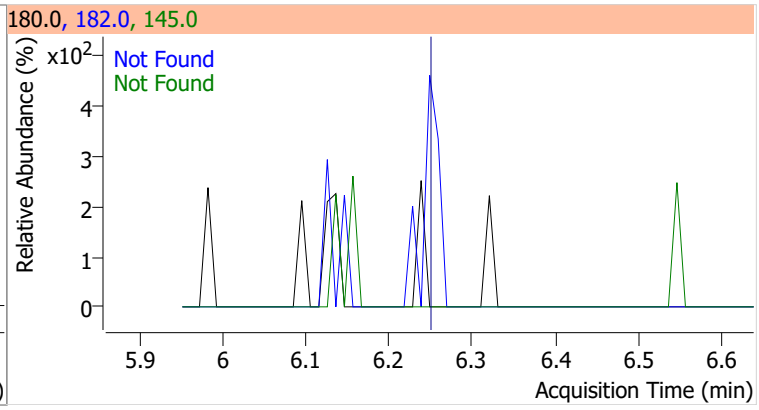
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



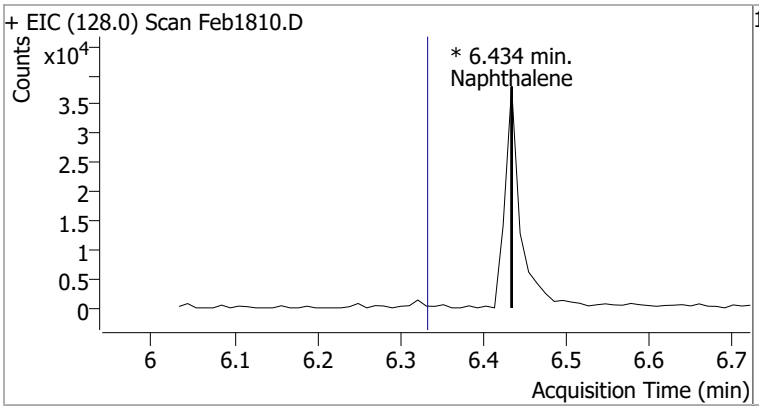


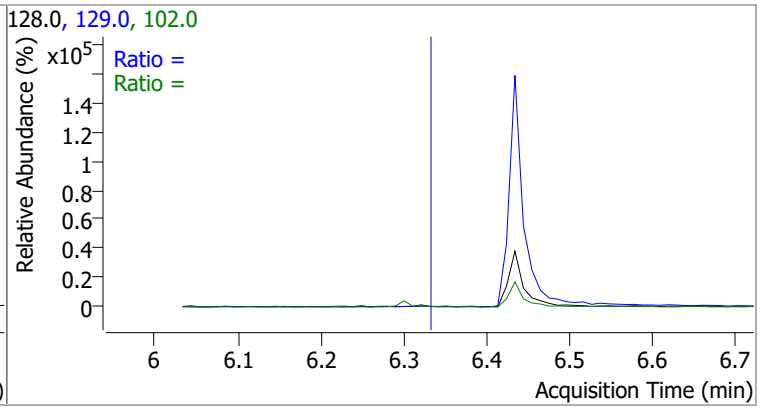
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



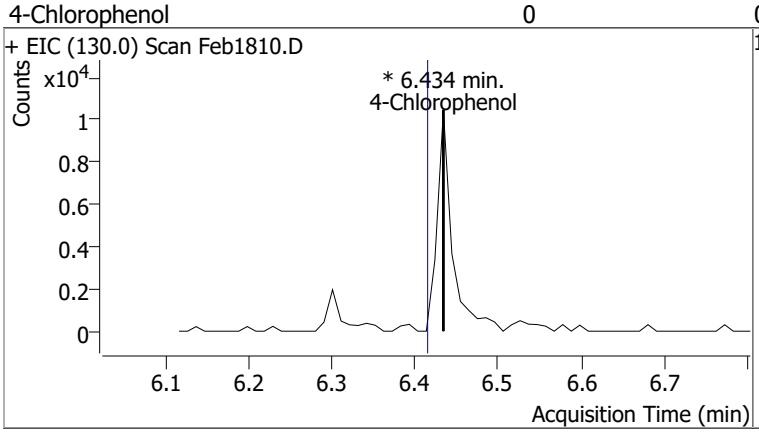


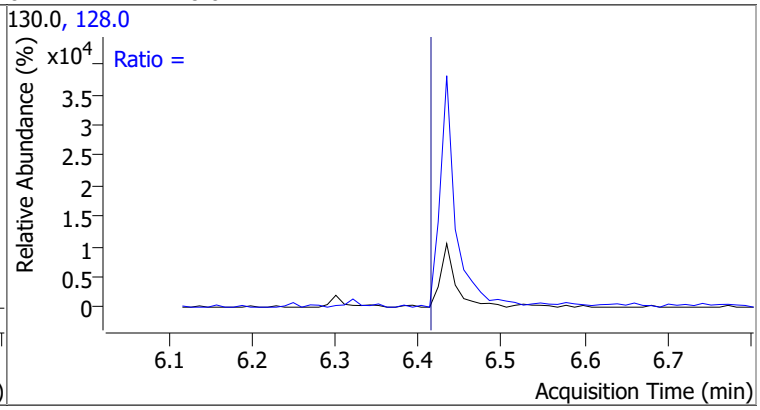
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene		0		0	129.0		8.0	14.9
					102.0		6.9	12.9



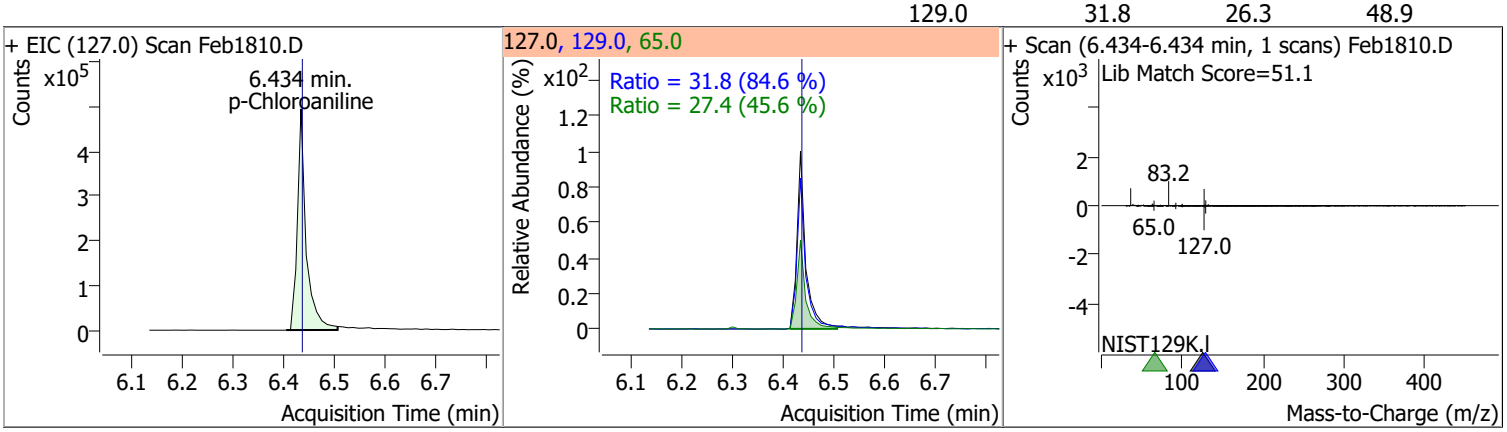


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol		0		0	128.0		221.4	411.2

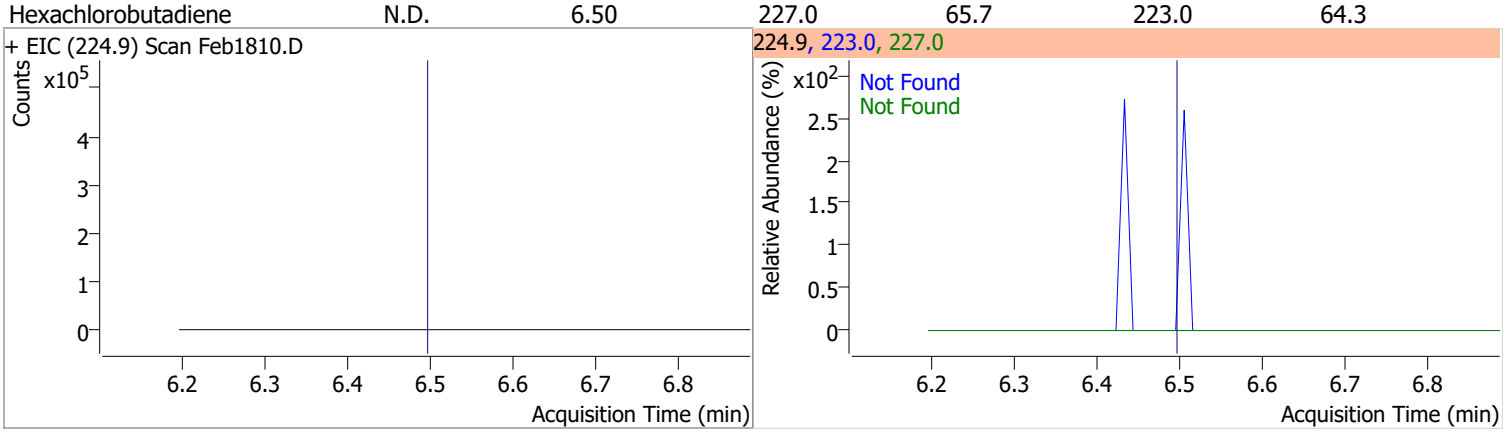




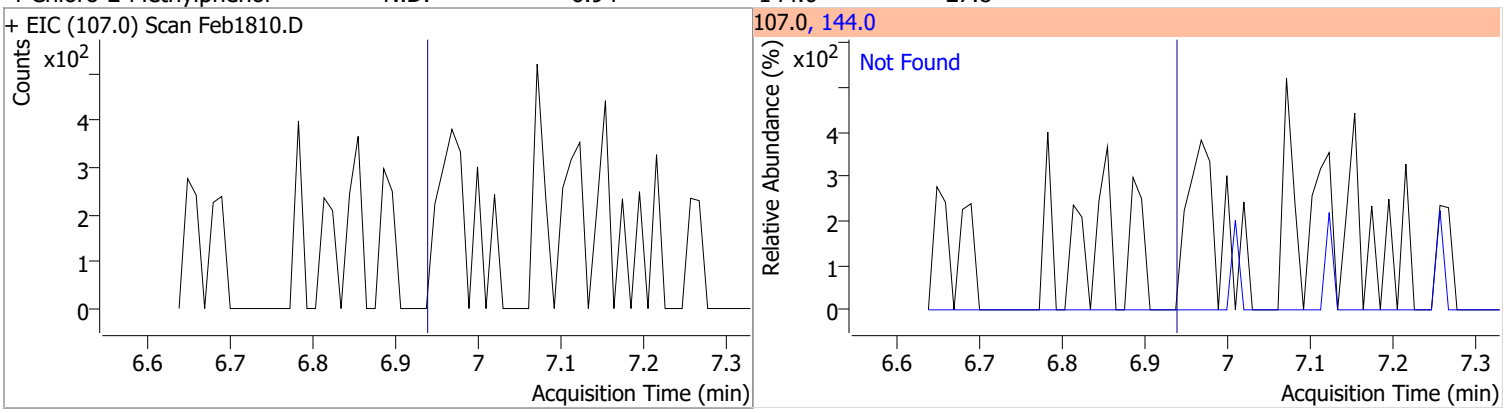
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	71.3064	6.43	0.00	594557	65.0	27.4	42.1	78.2
					129.0	31.8	26.3	48.9



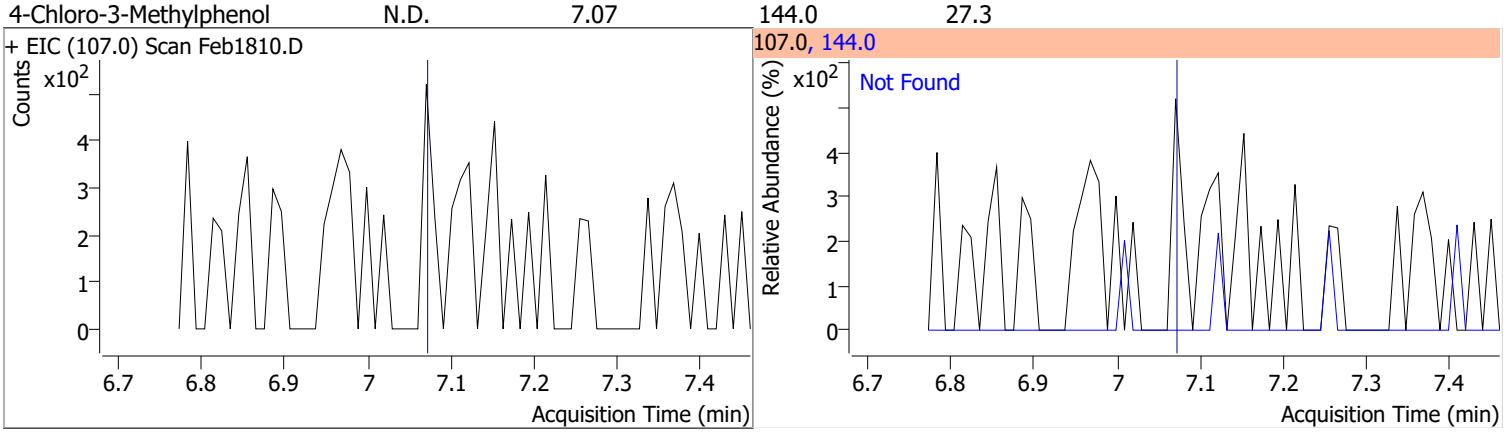
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



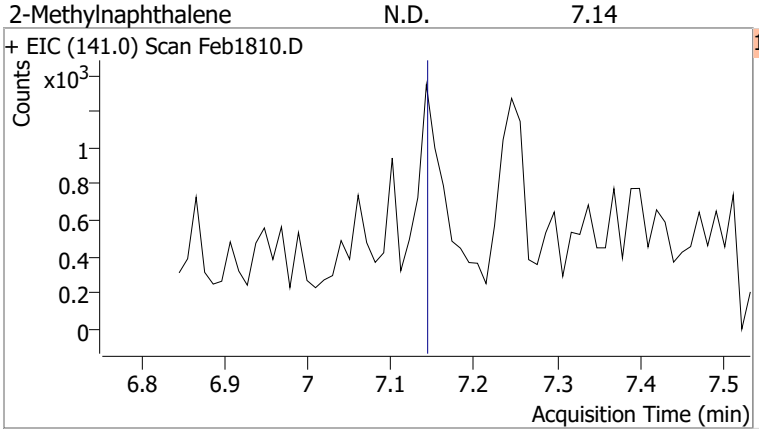
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8

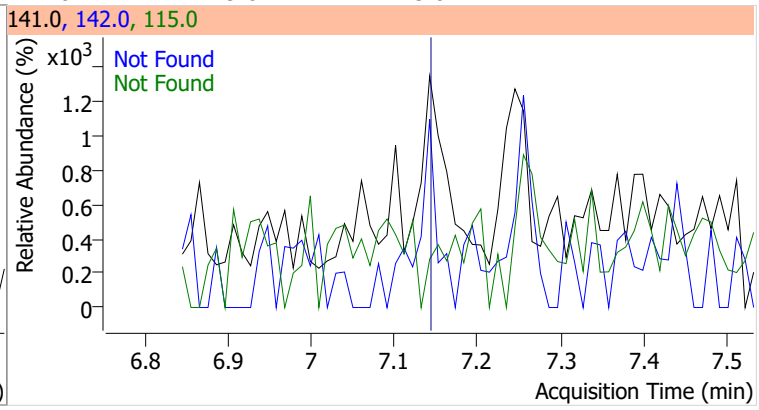


Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3

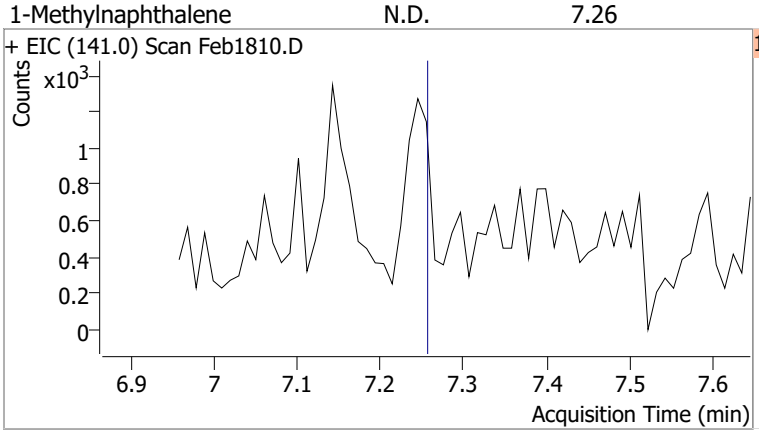


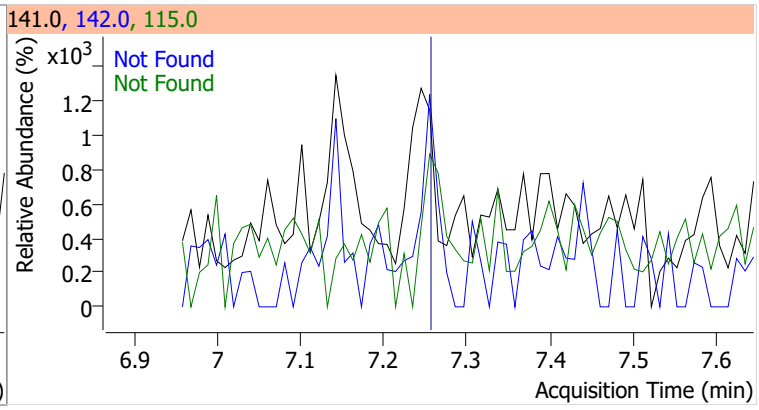
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



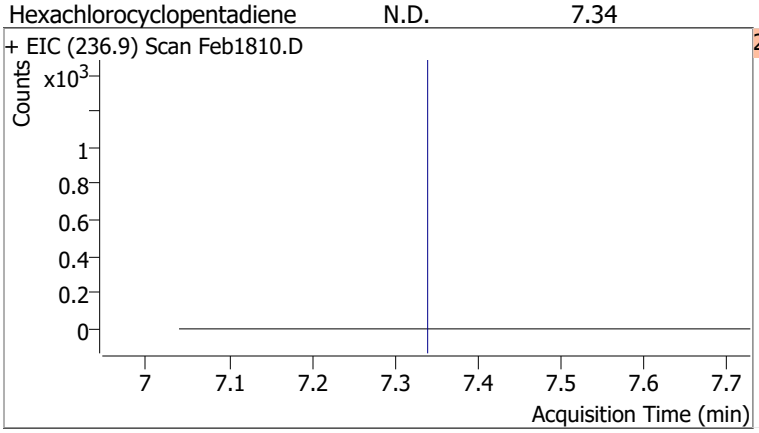


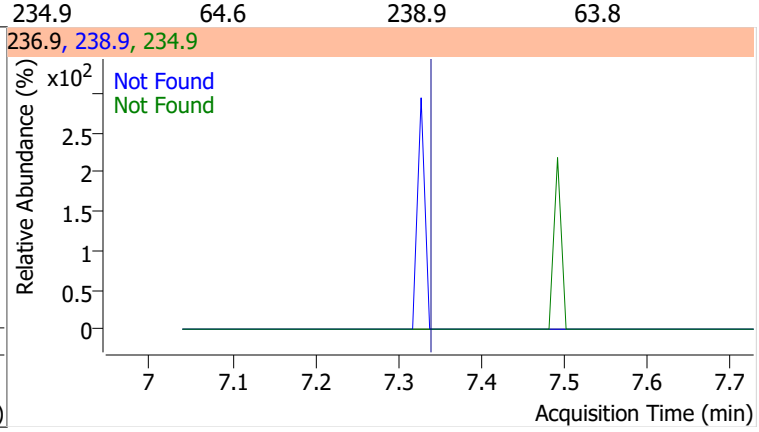
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



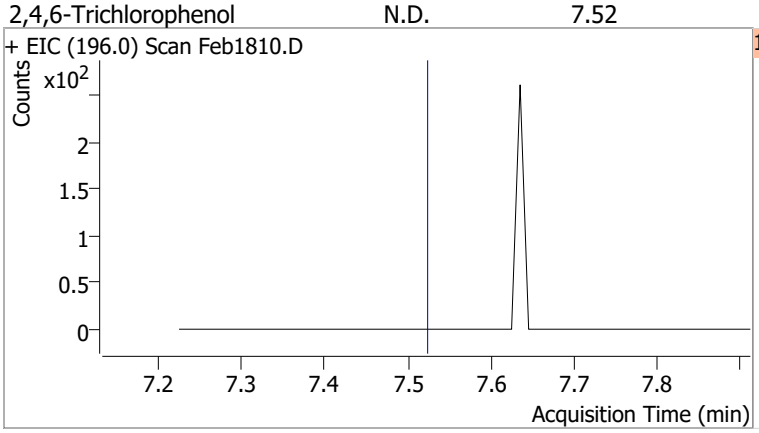


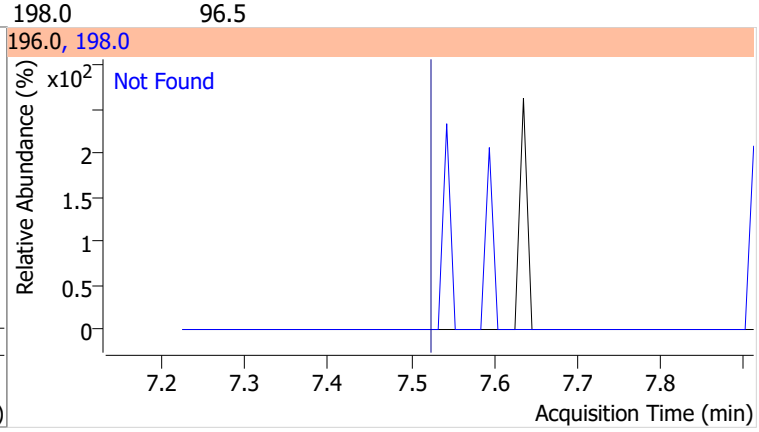
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



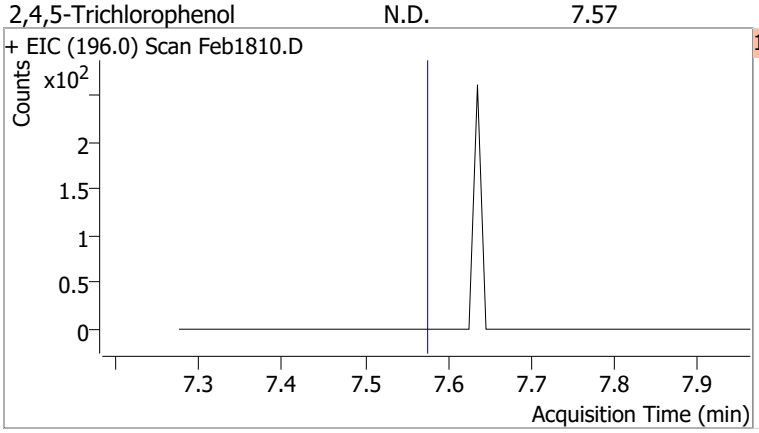


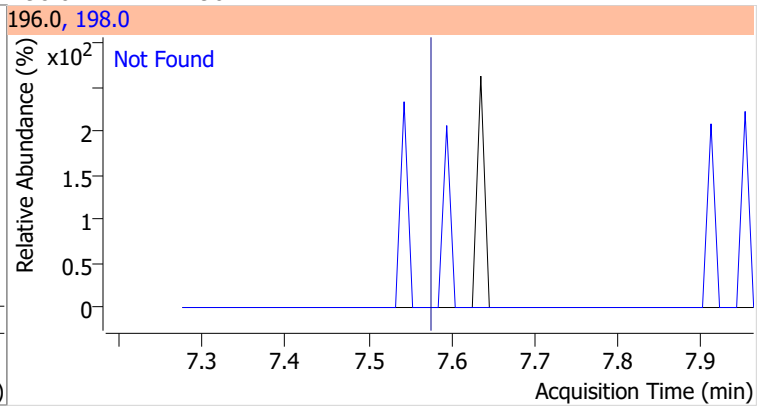
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



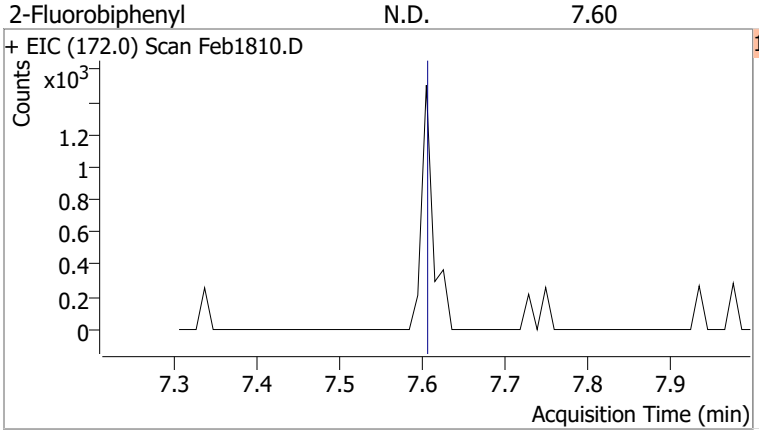


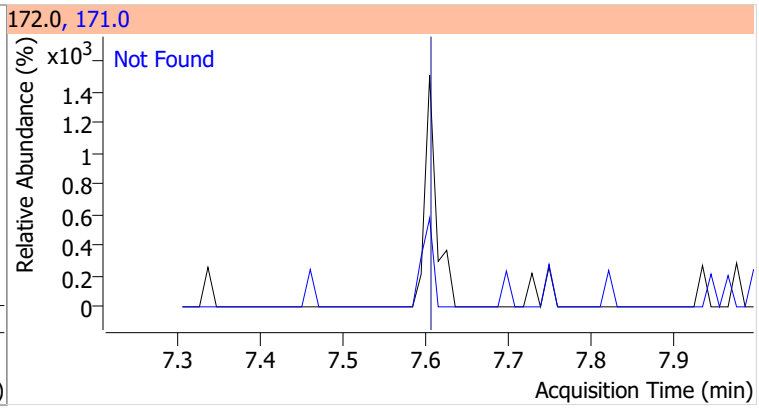
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2



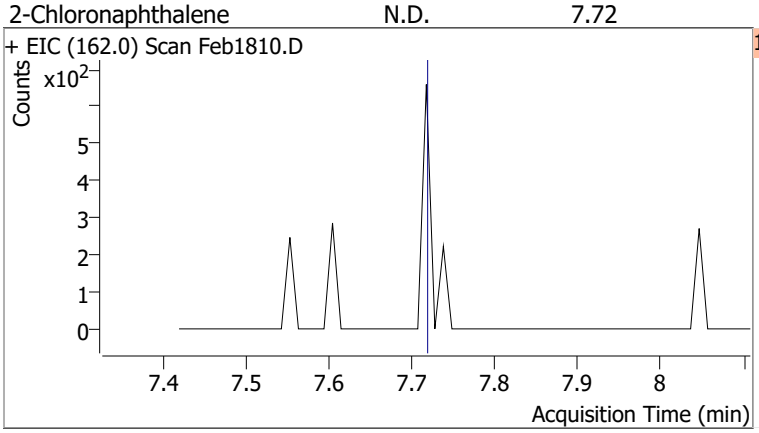


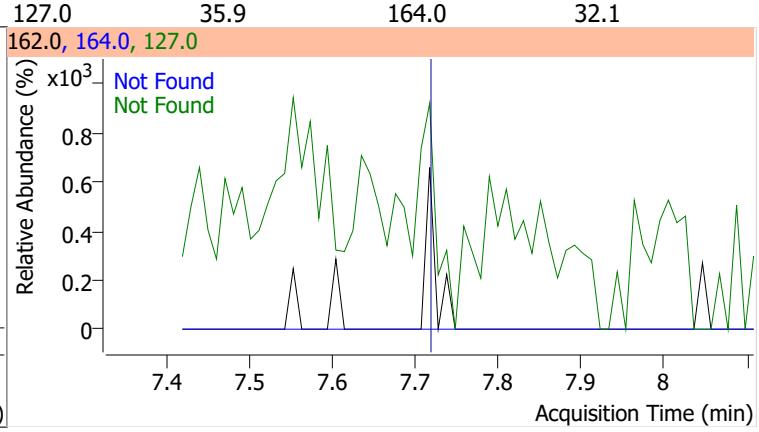
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Fluorobiphenyl	N.D.	7.60	171.0	34.3



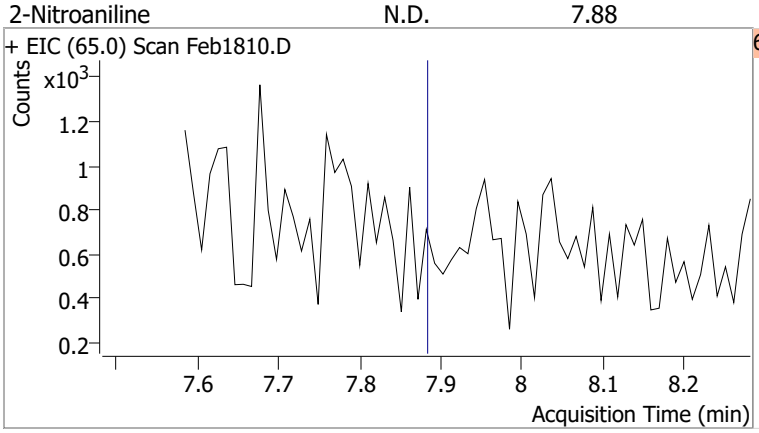


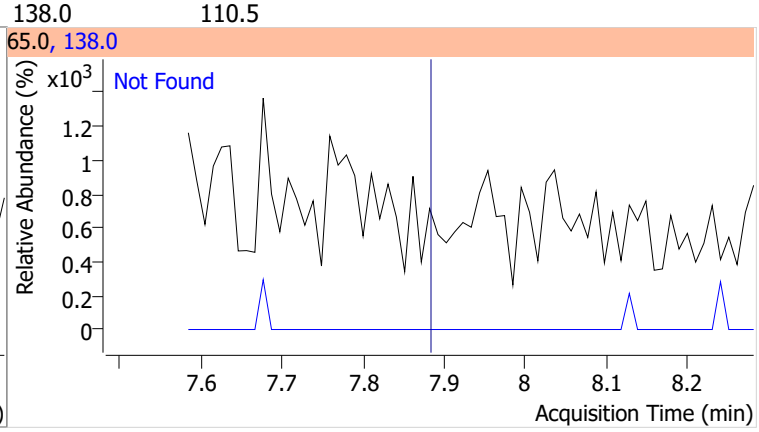
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



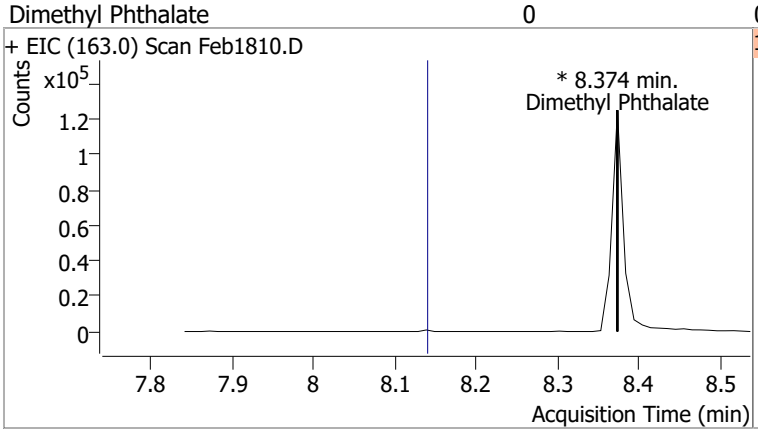


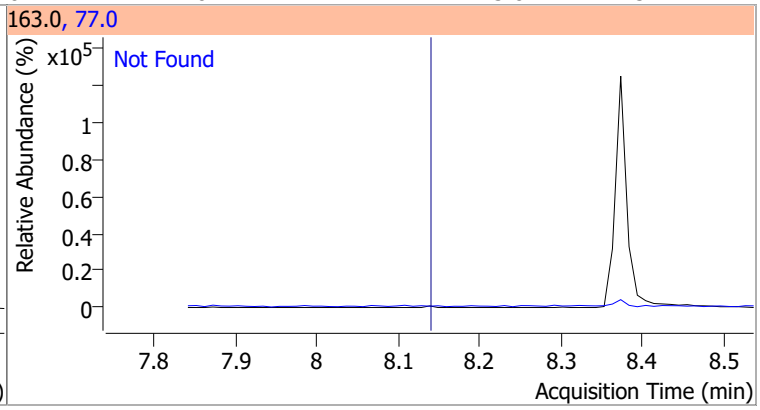
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



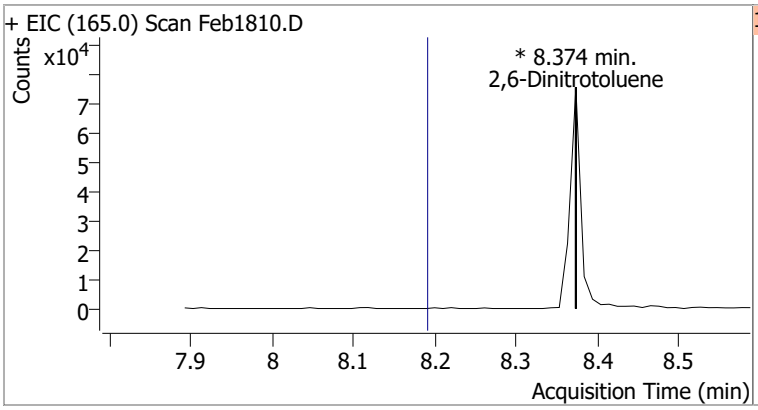


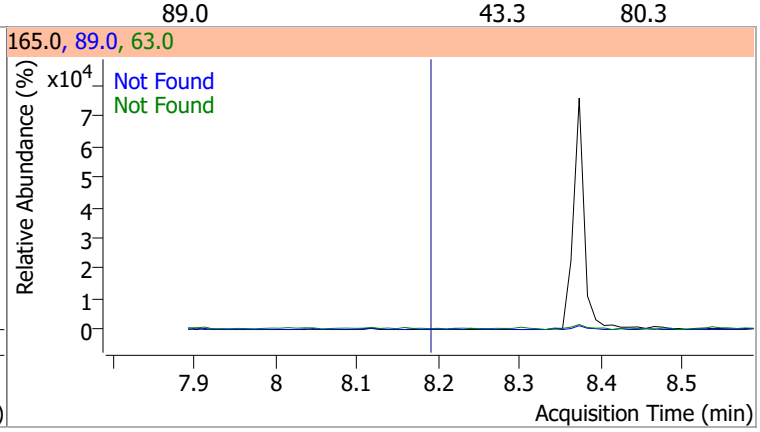
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



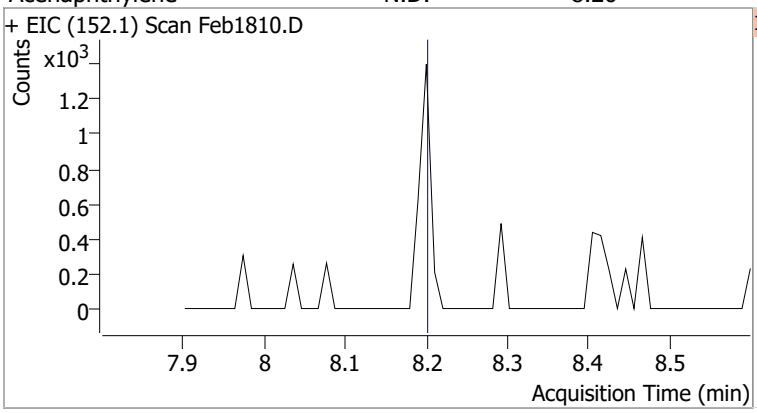


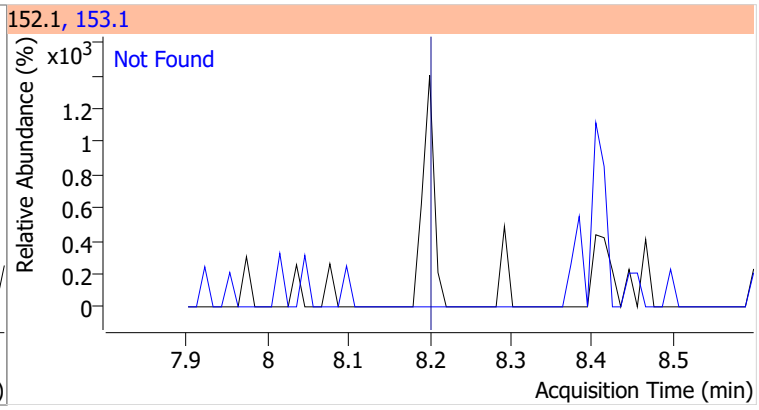
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



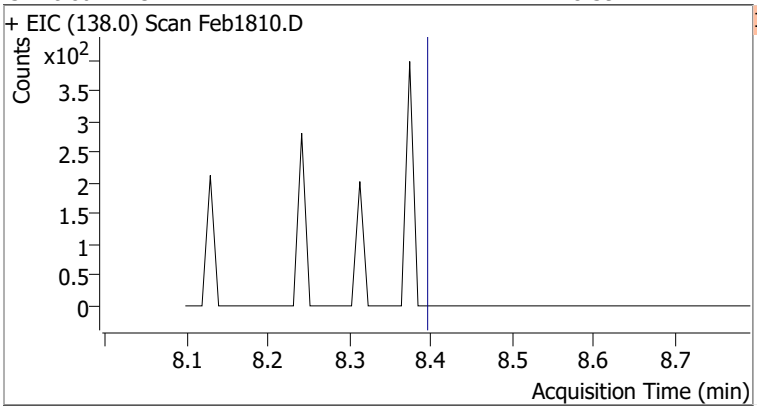


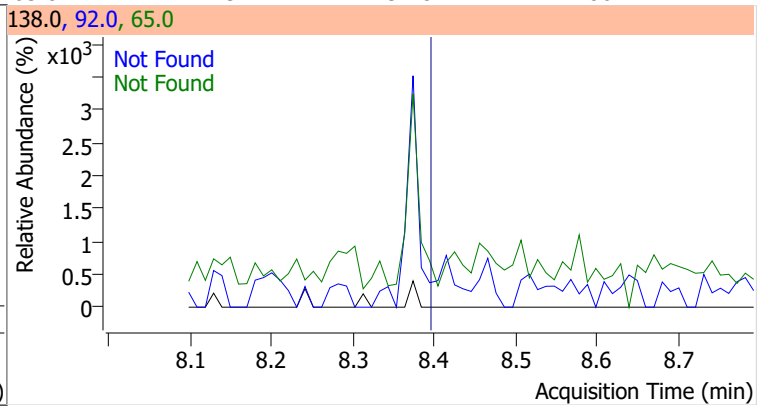
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



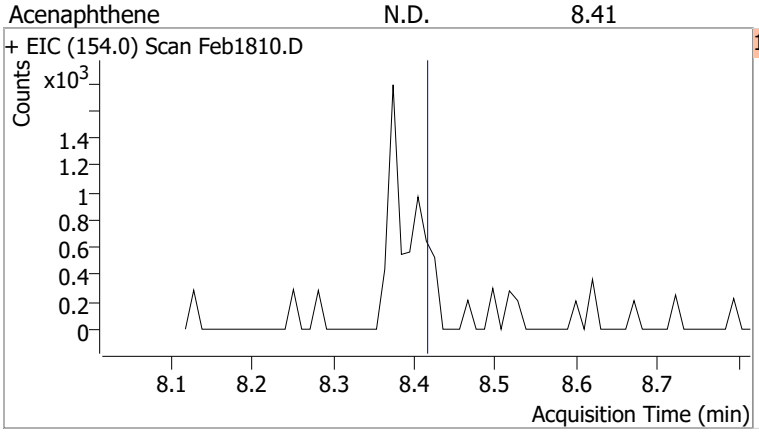


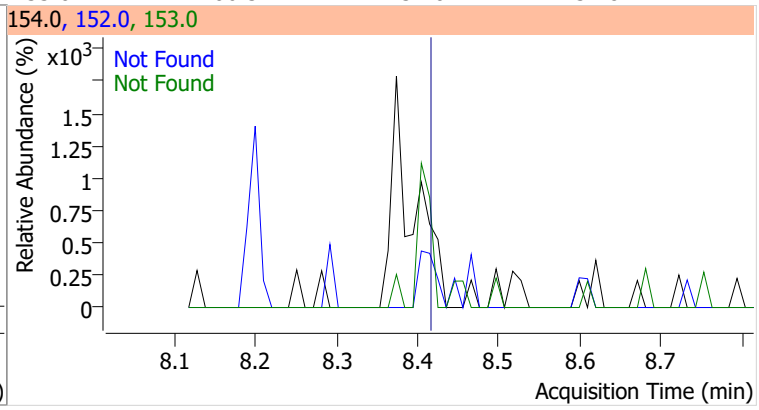
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



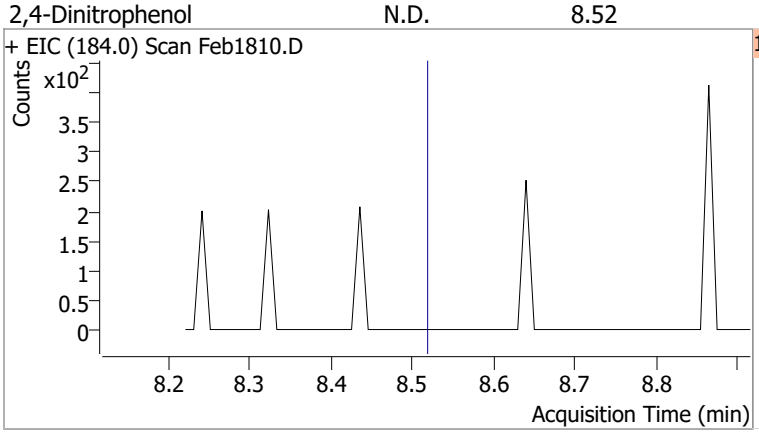


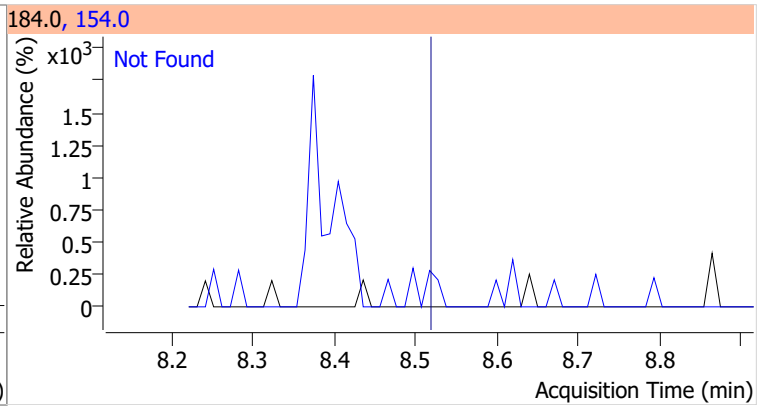
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



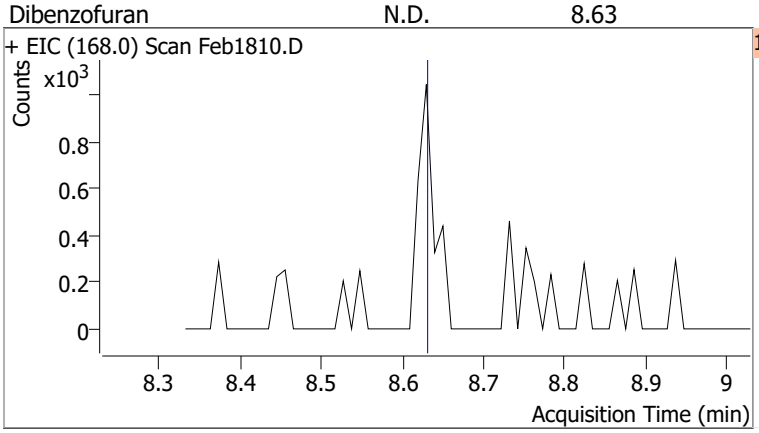


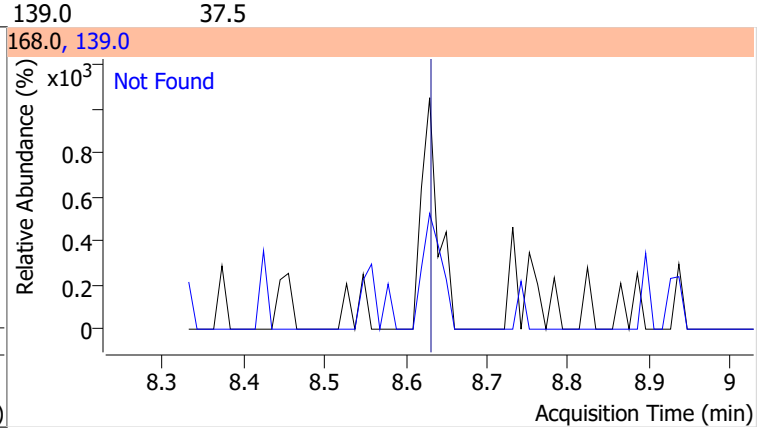
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



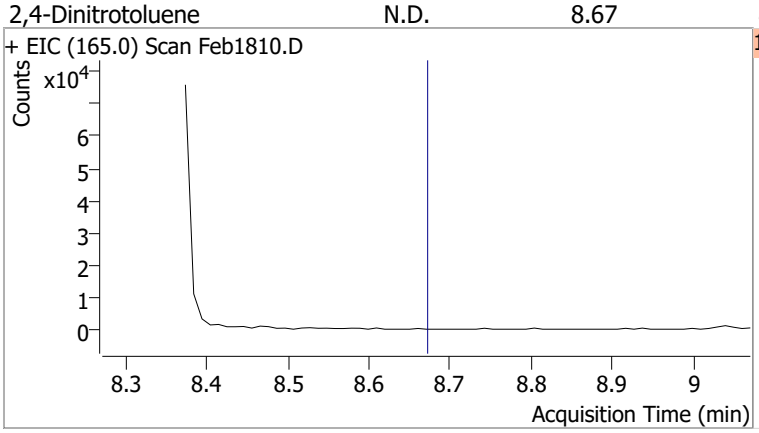


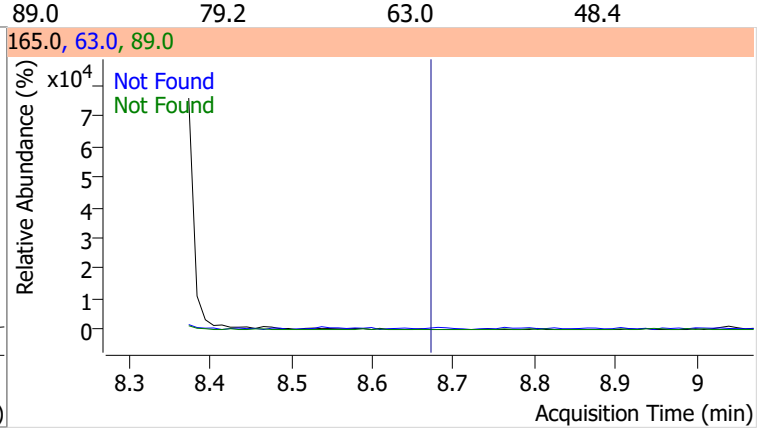
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



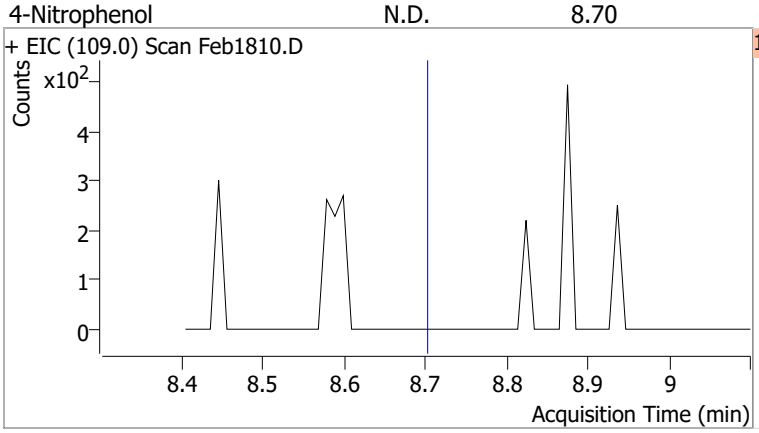


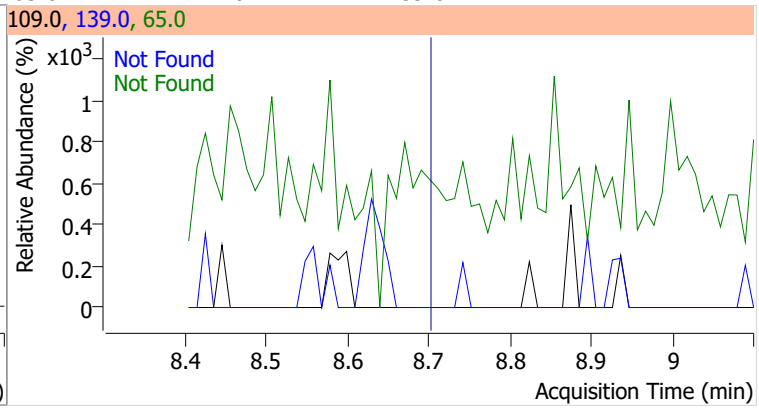
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



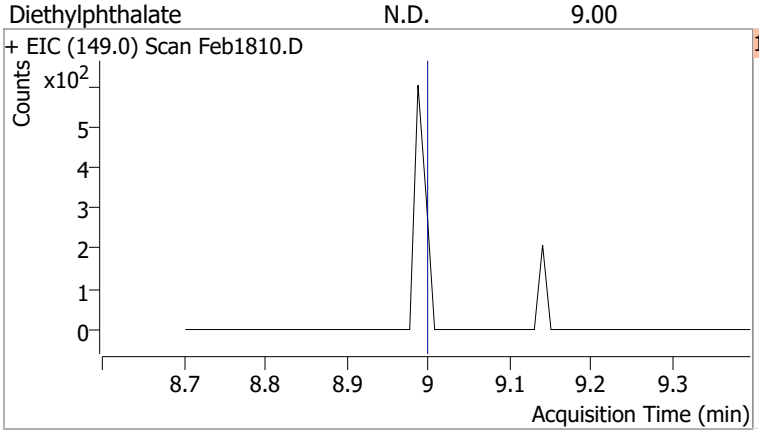


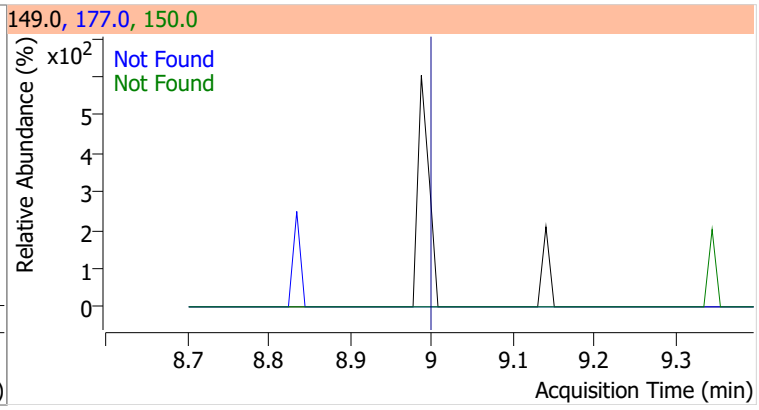
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



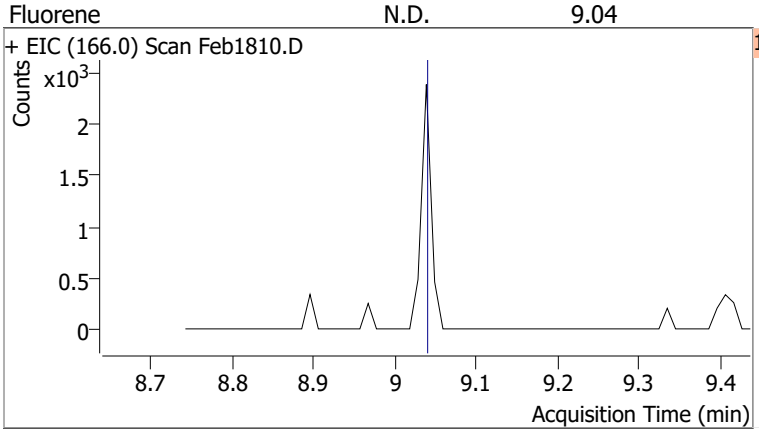


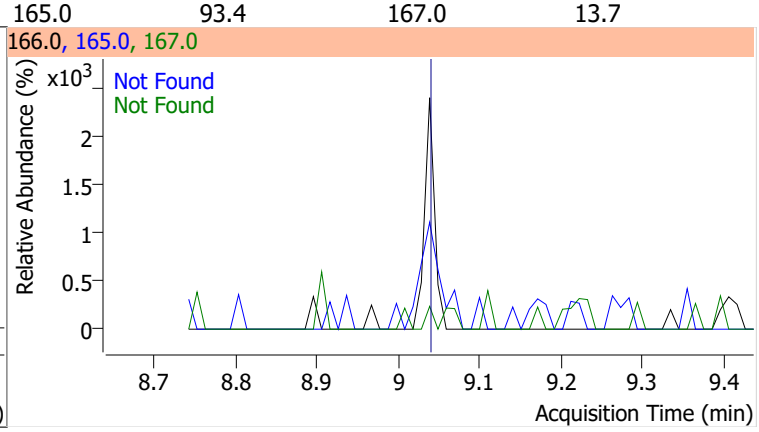
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



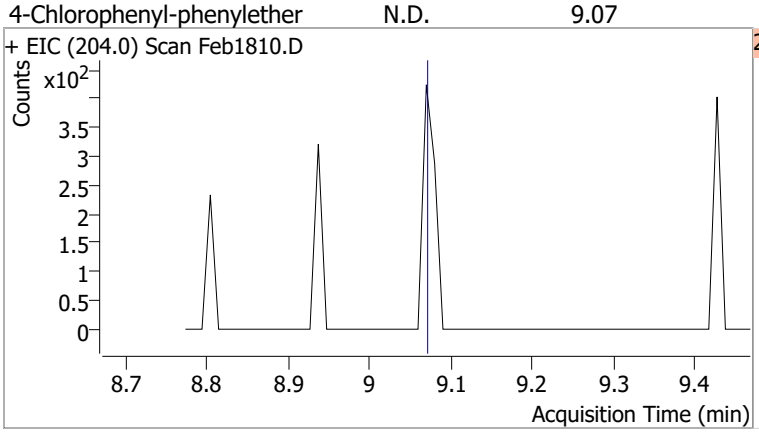


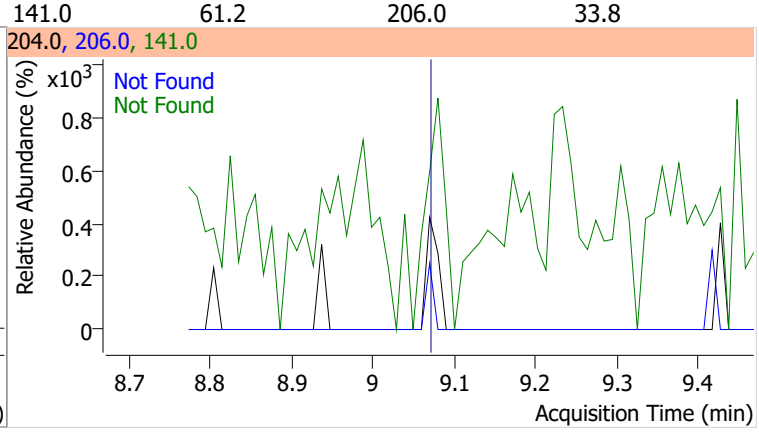
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



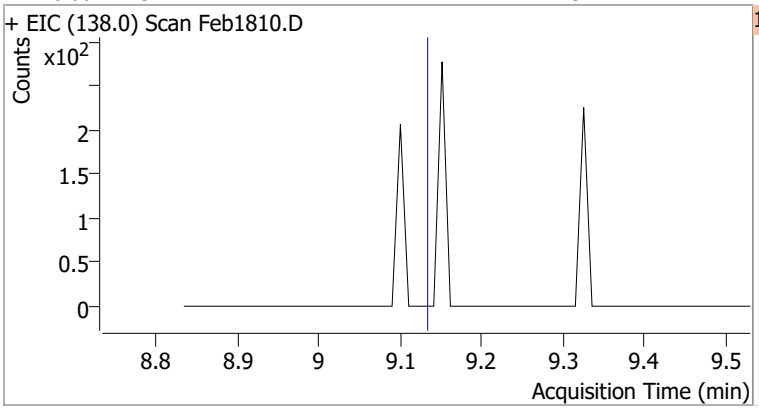


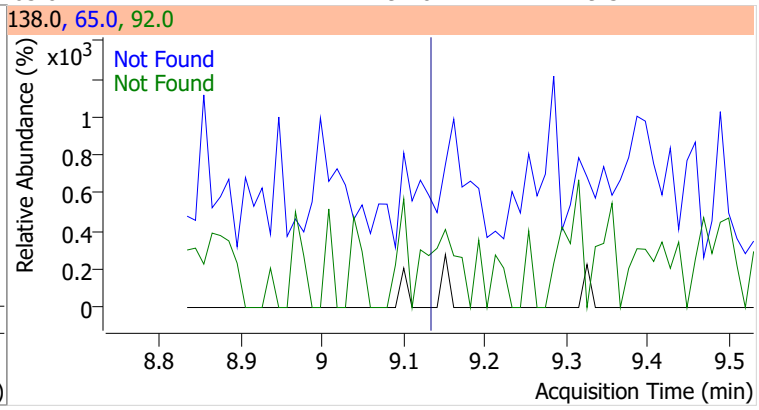
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



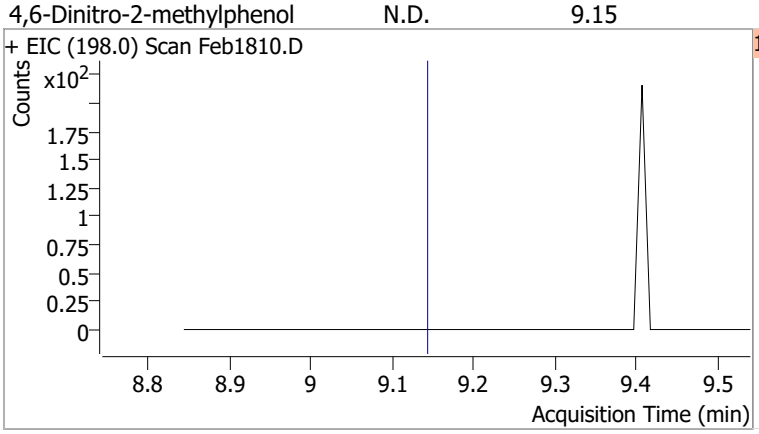


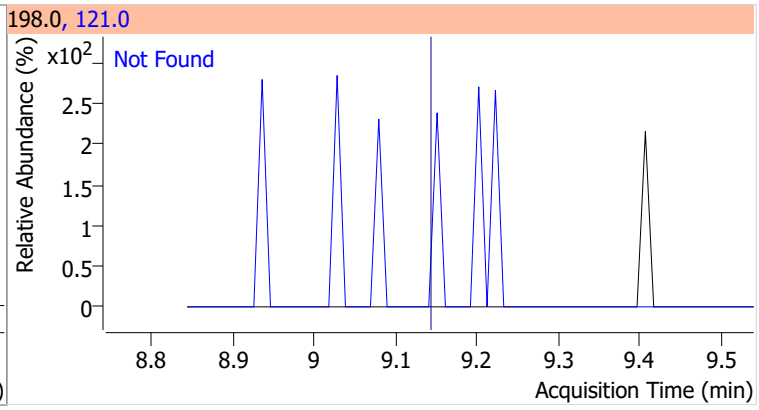
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



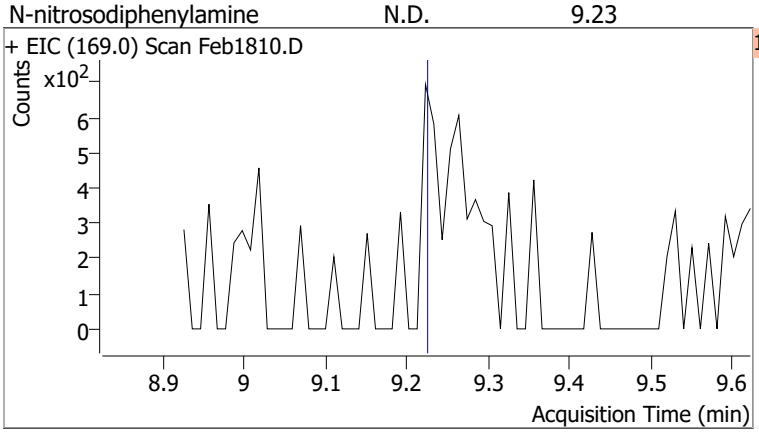


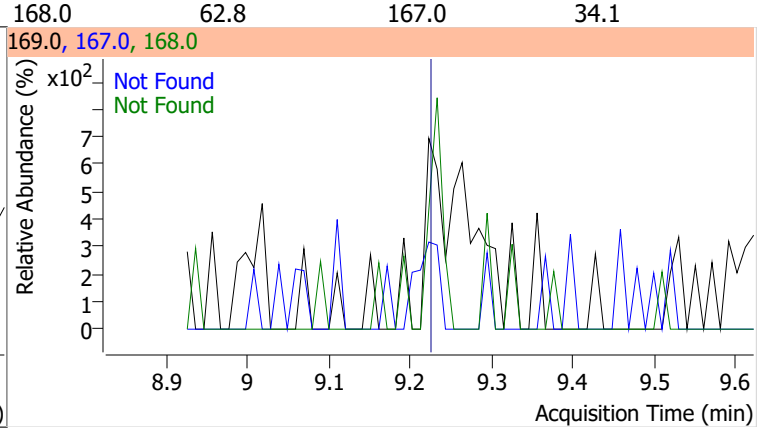
Compound	Conc.	Exp RT	QIon	Exp Ratio
4,6-Dinitro-2-methylphenol	N.D.	9.15	121.0	50.2



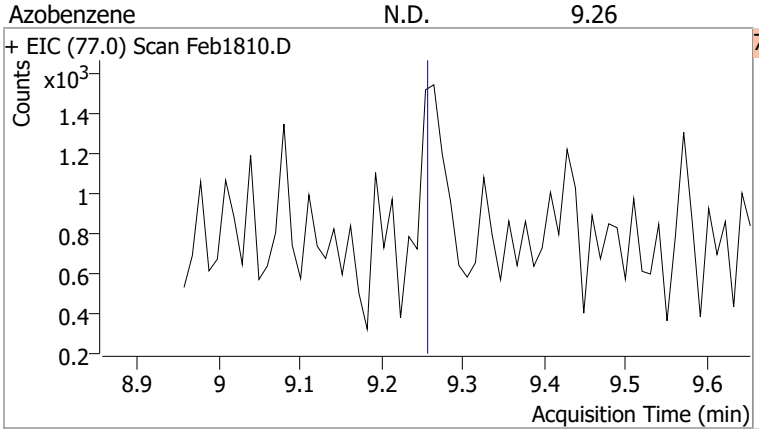


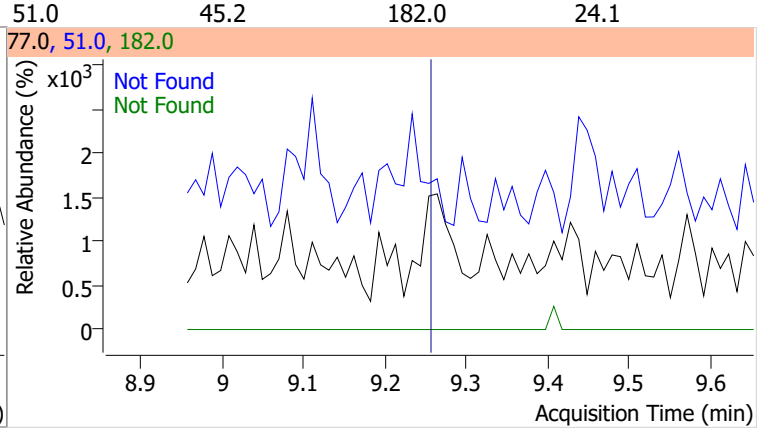
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



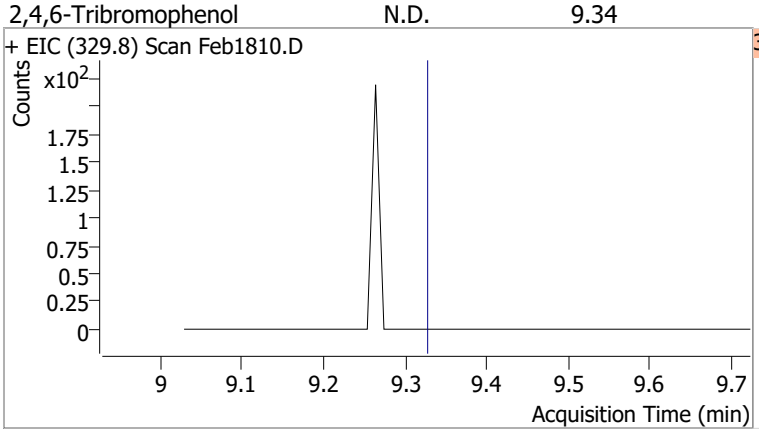


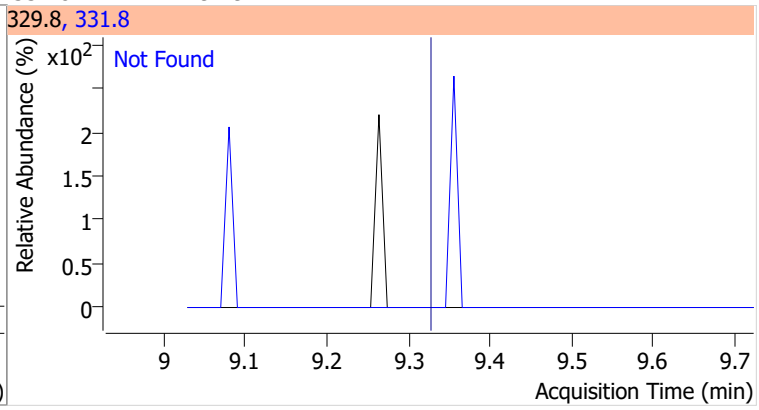
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1



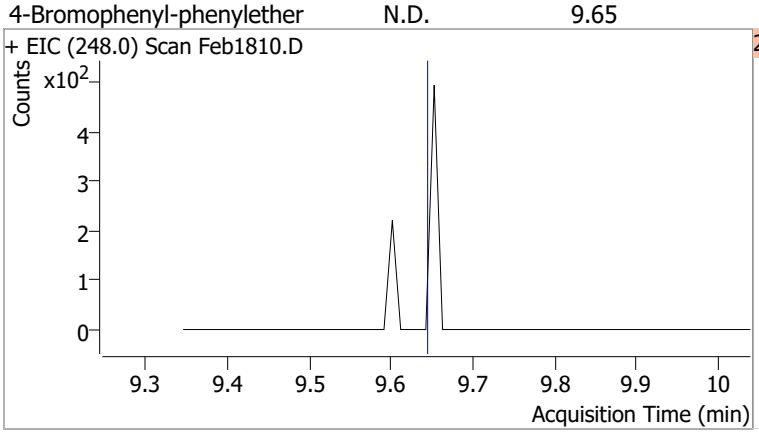


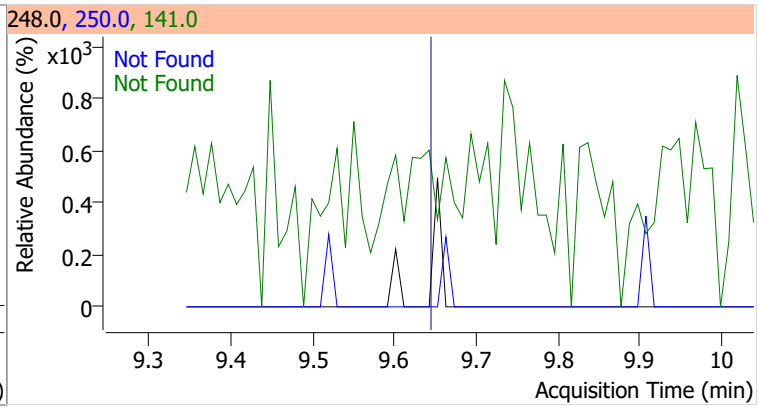
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Tribromophenol	N.D.	9.34	331.8	97.9



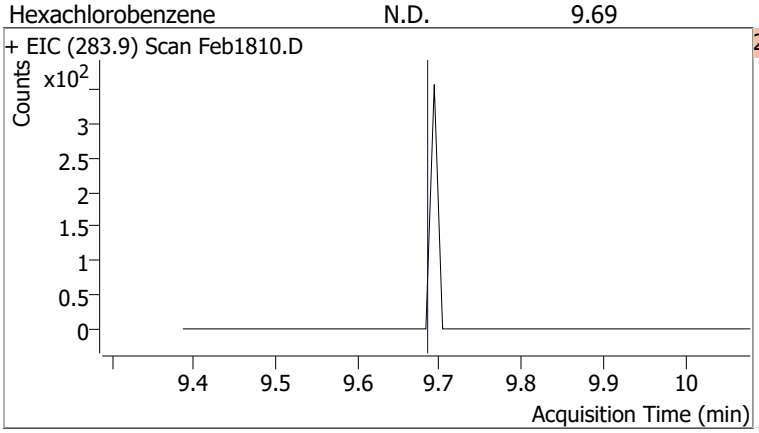


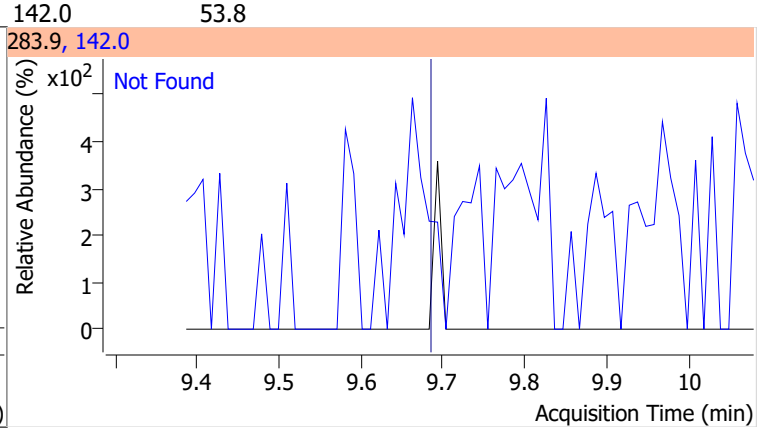
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



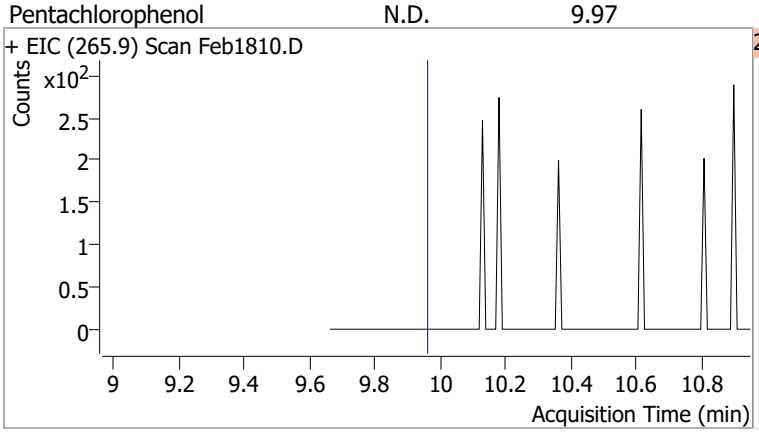


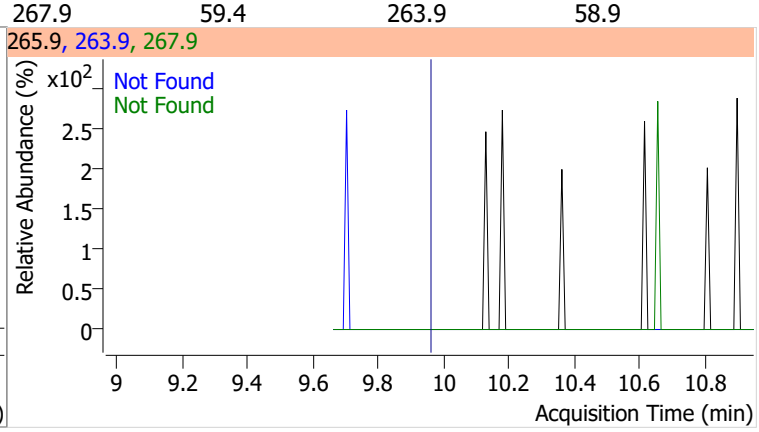
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



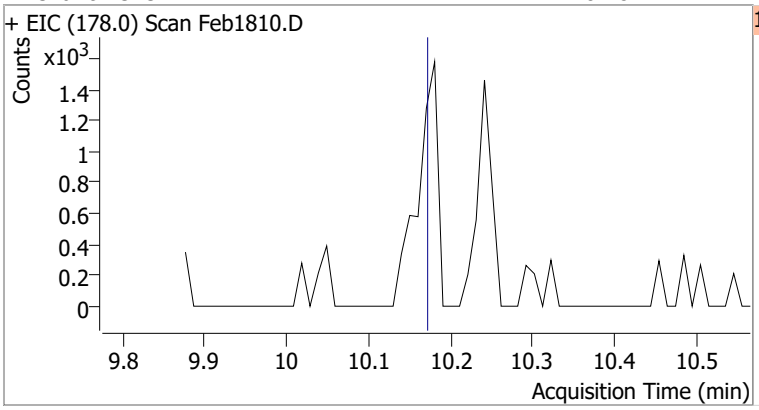


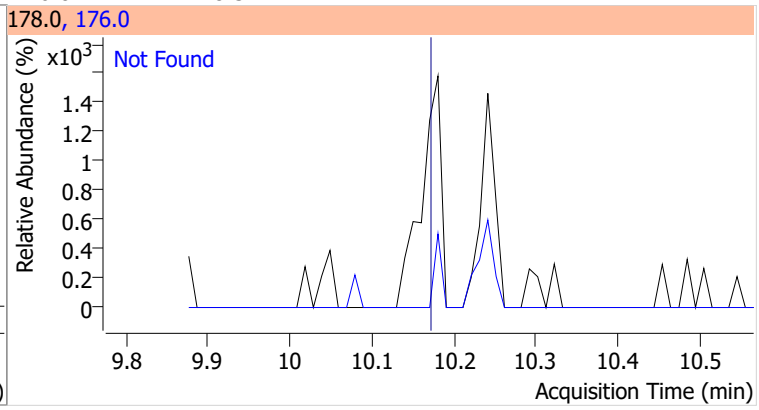
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



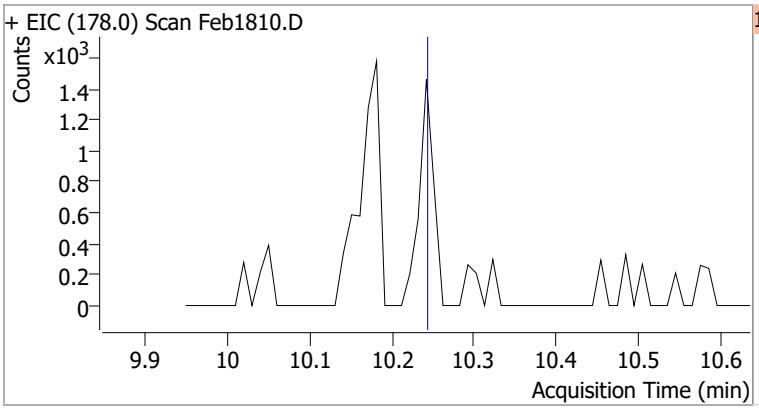


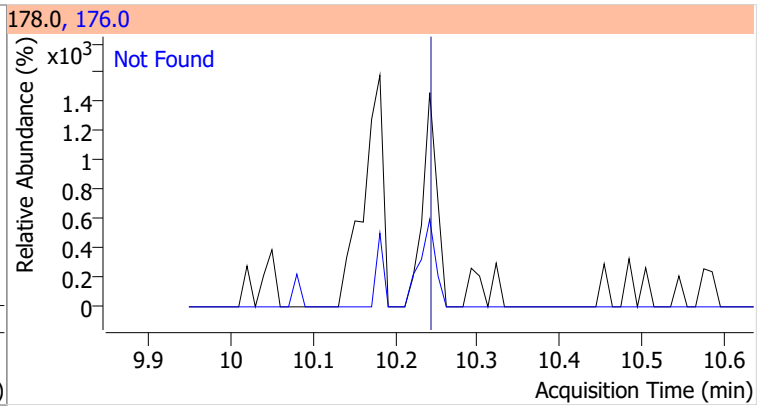
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



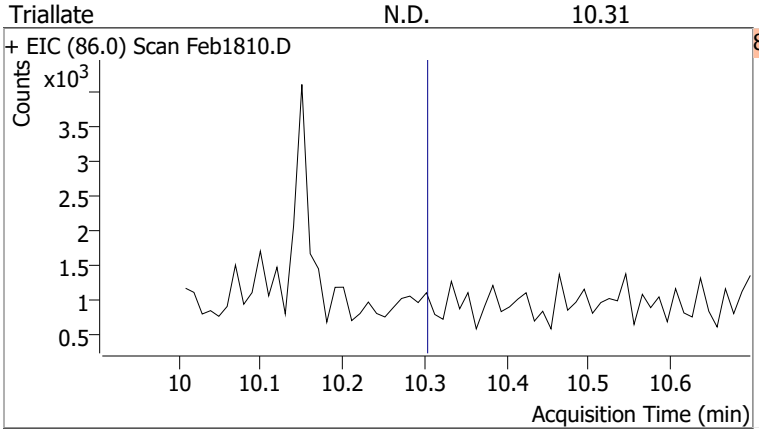


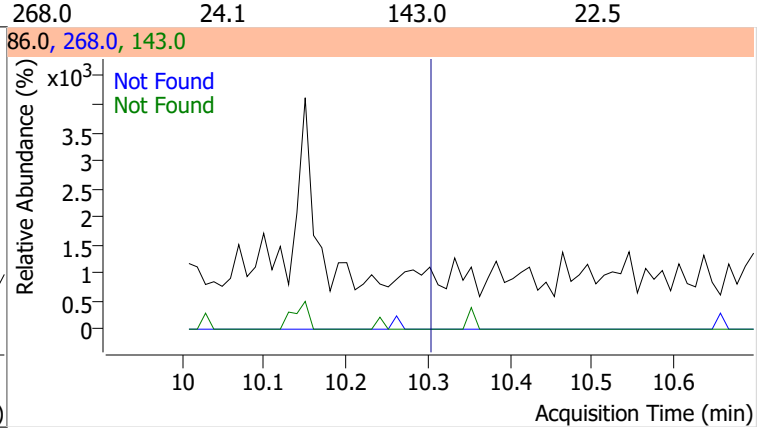
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



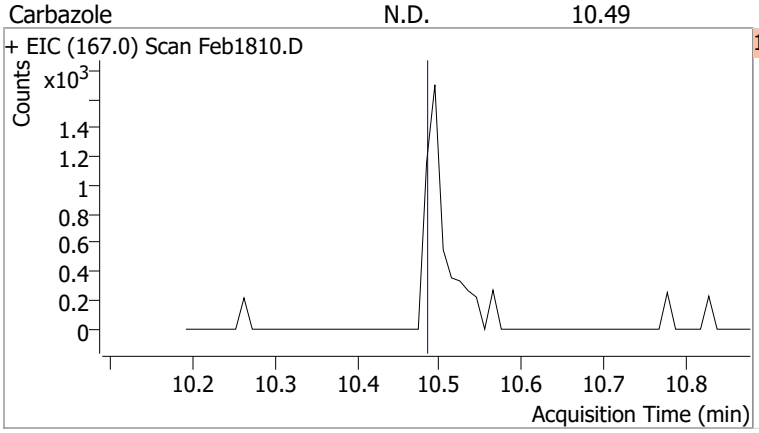


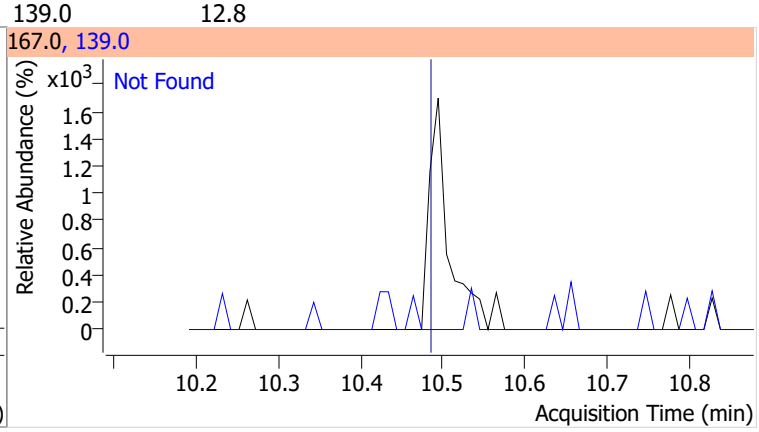
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



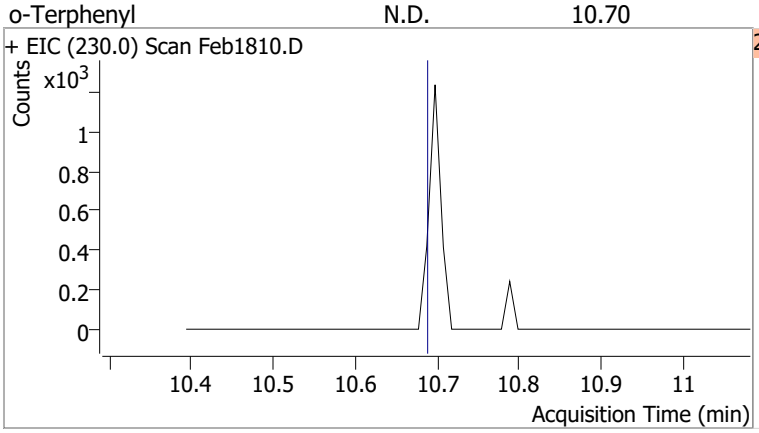


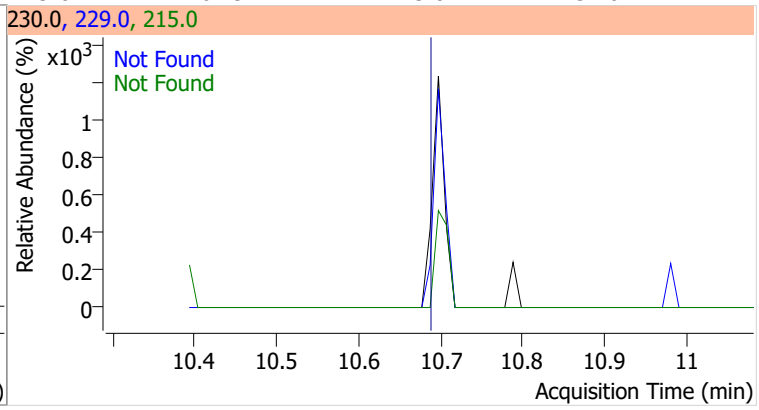
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



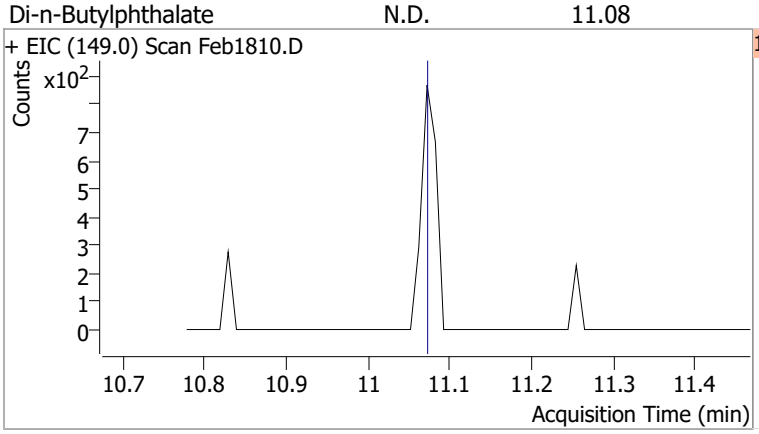


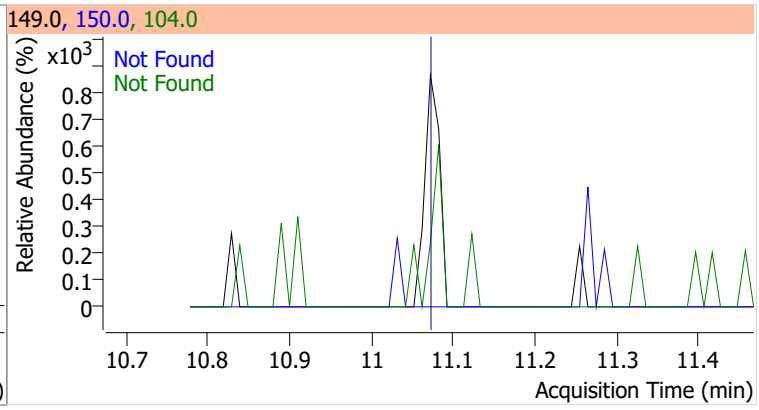
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



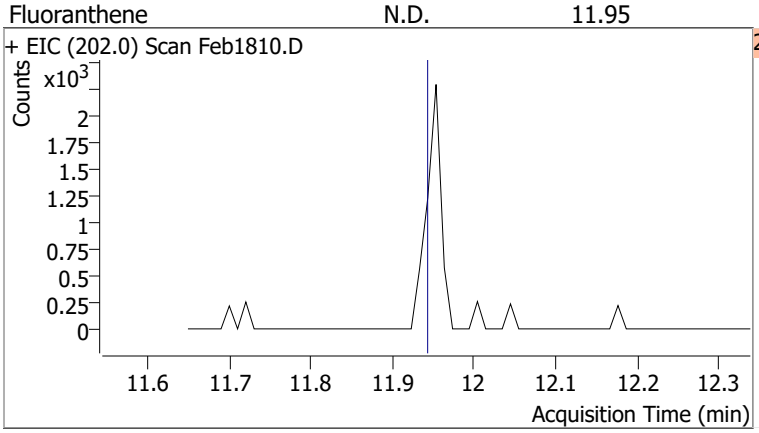


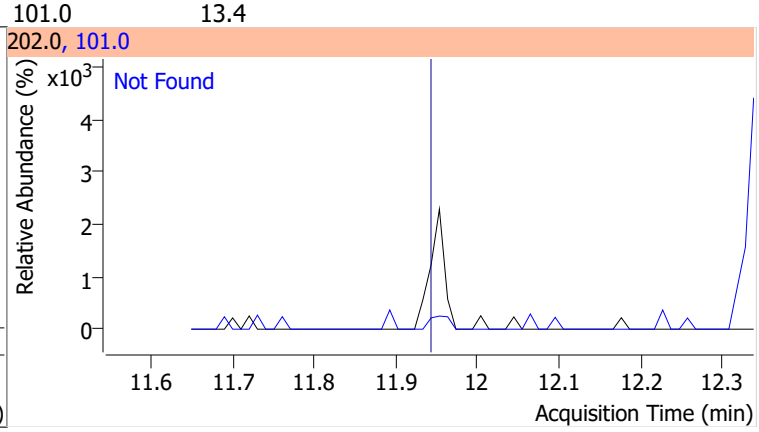
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



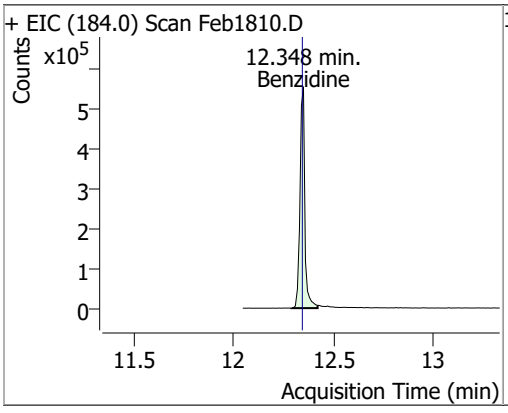


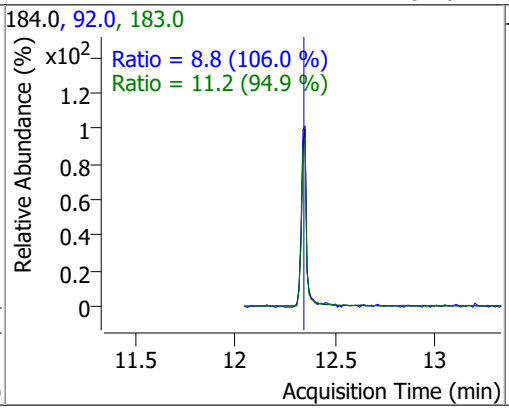
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4

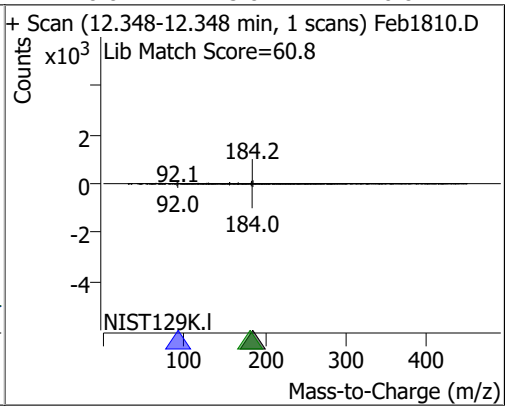




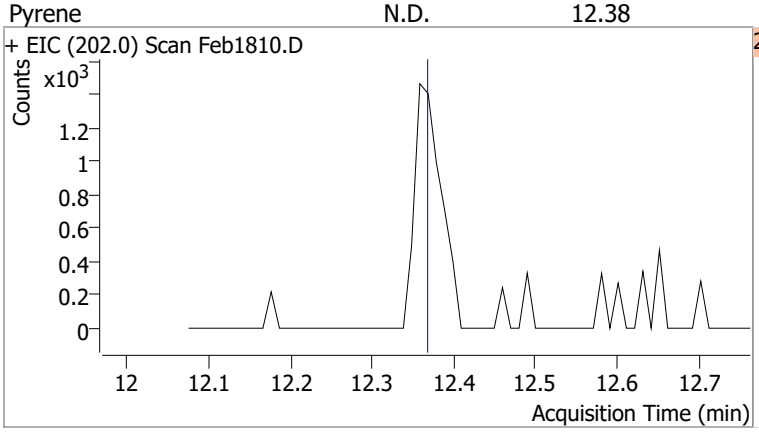
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	131.4511	12.35	0.00	931105	183.0	11.2	8.3	15.4
					92.0	8.8	5.8	10.8

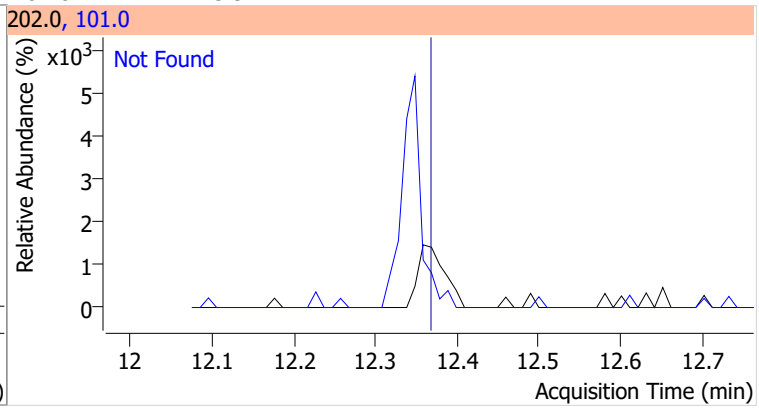




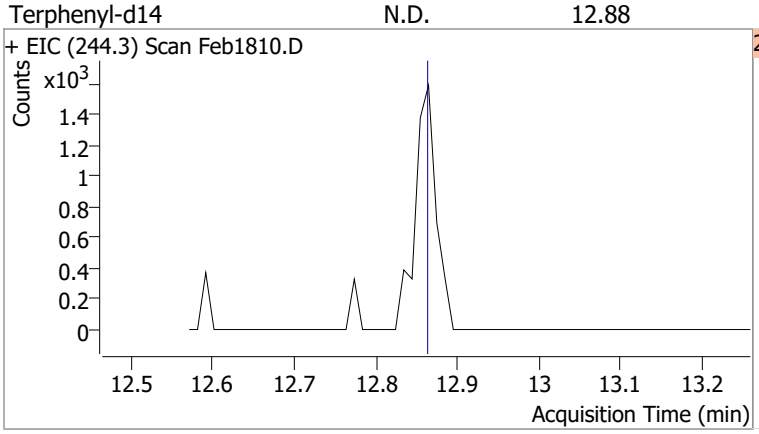


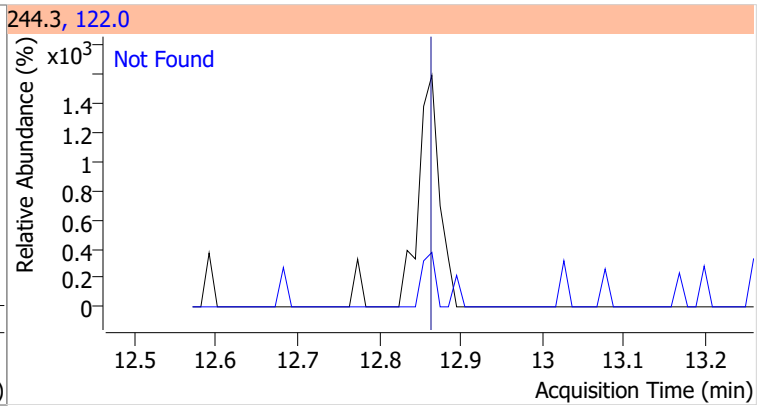
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9



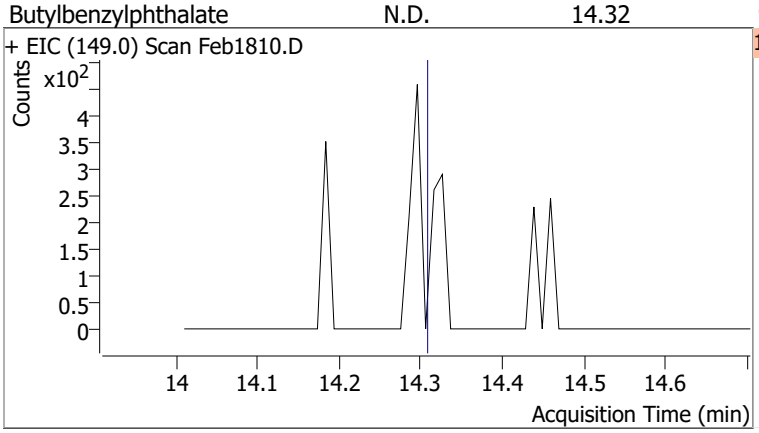


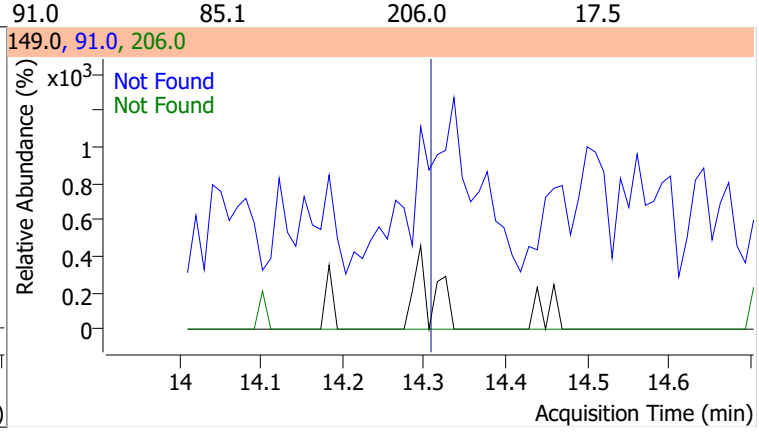
Compound	Conc.	Exp RT	QIon	Exp Ratio
Terphenyl-d14	N.D.	12.88	122.0	14.4



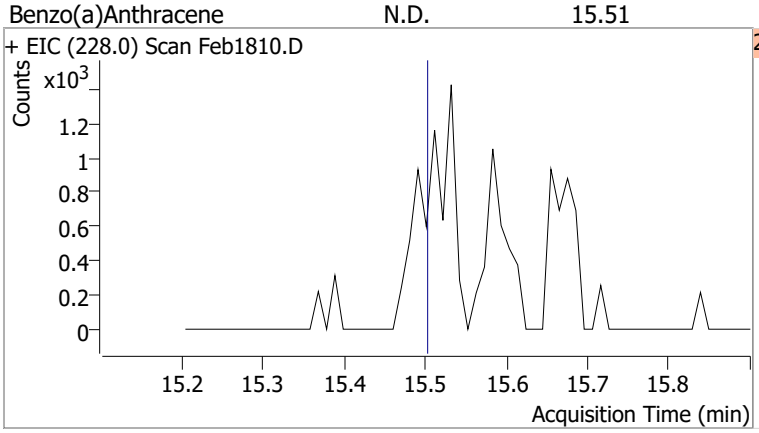


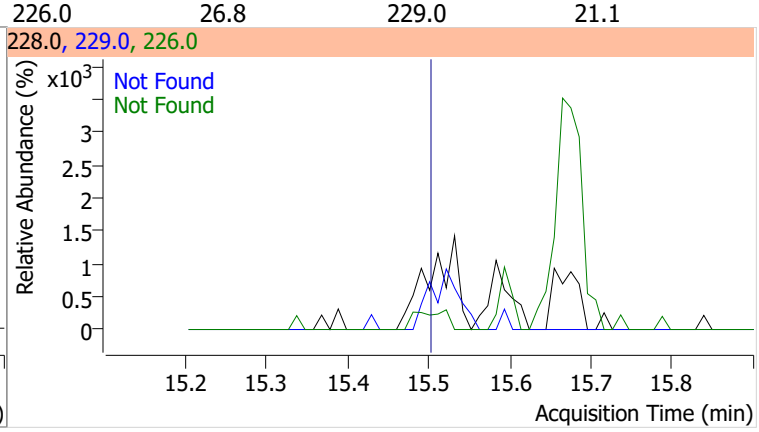
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



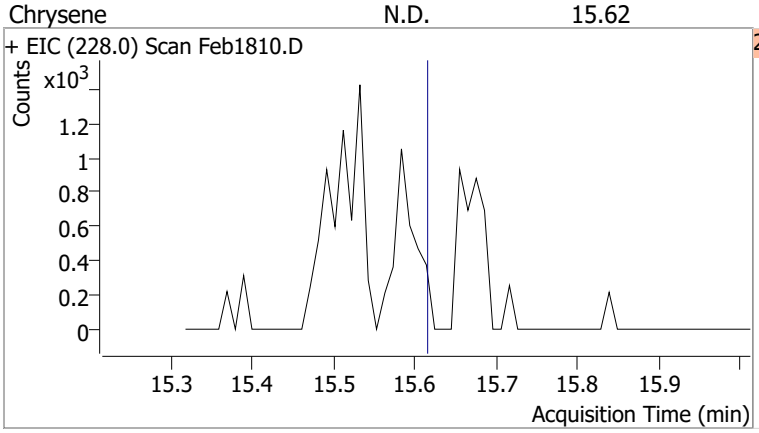


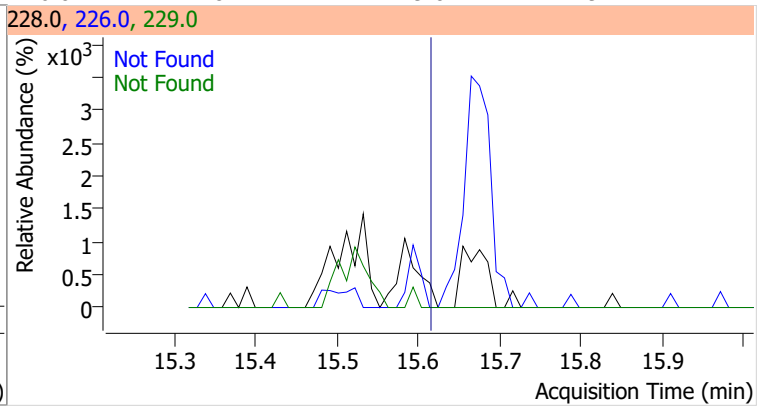
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



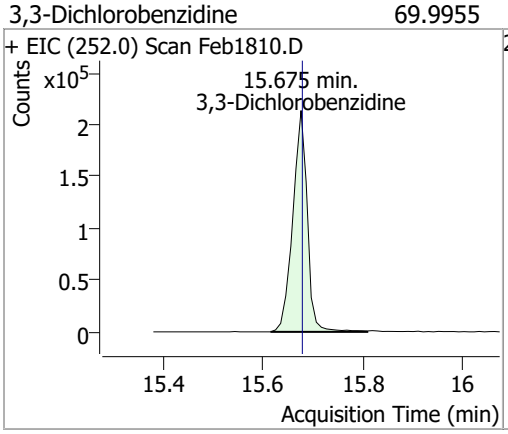


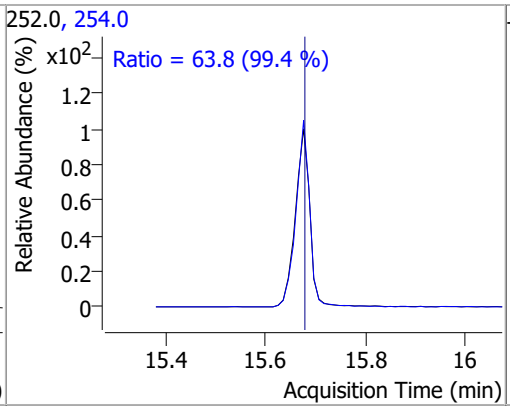
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7

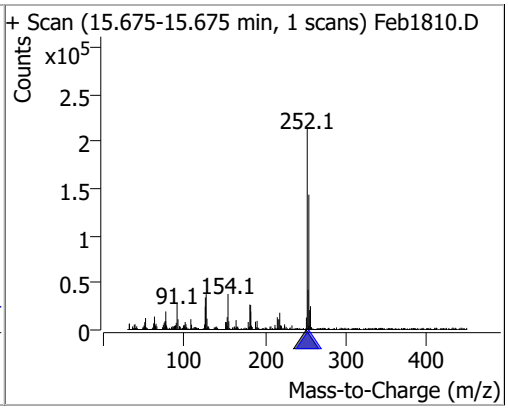




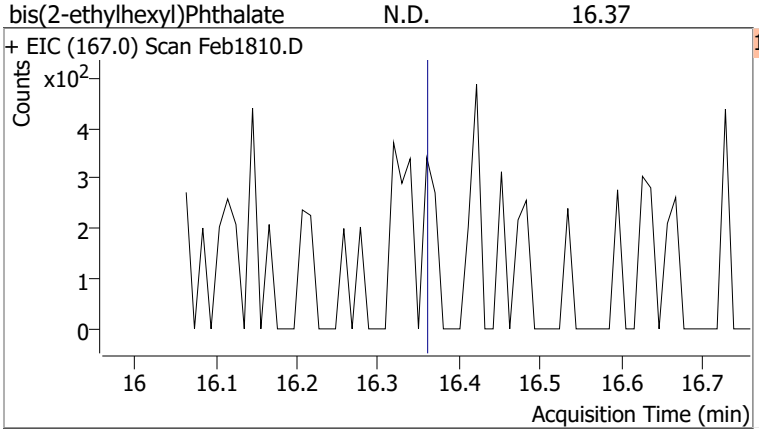
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	69.9955	15.68	-0.01	431740	254.0	63.8	44.9	83.4

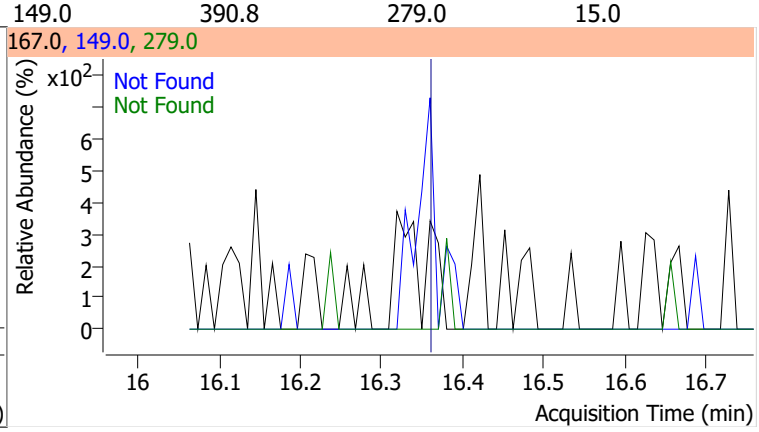




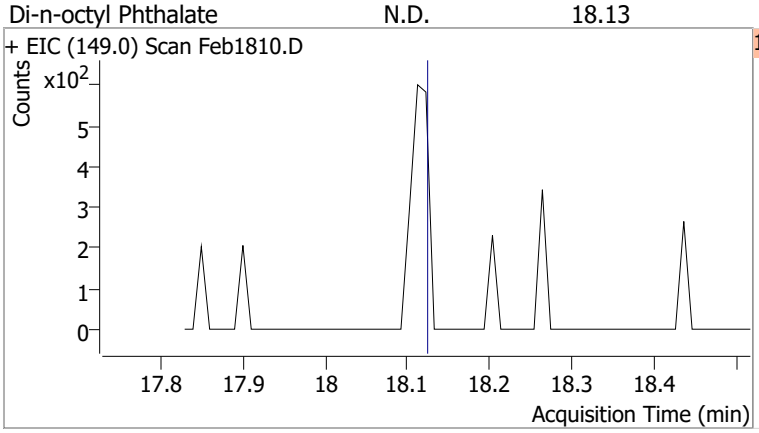


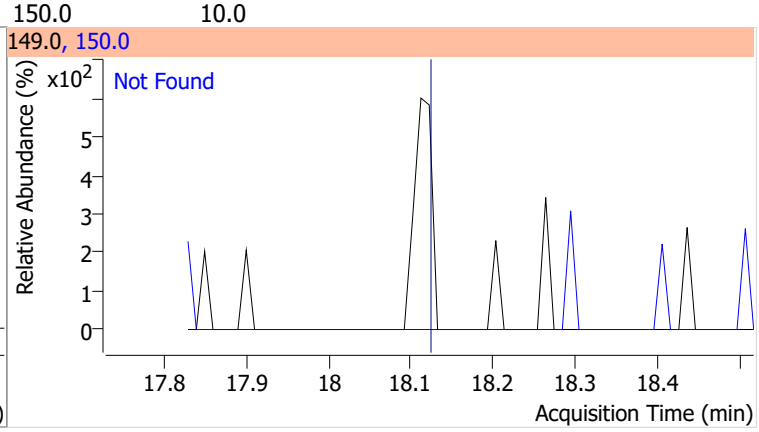
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



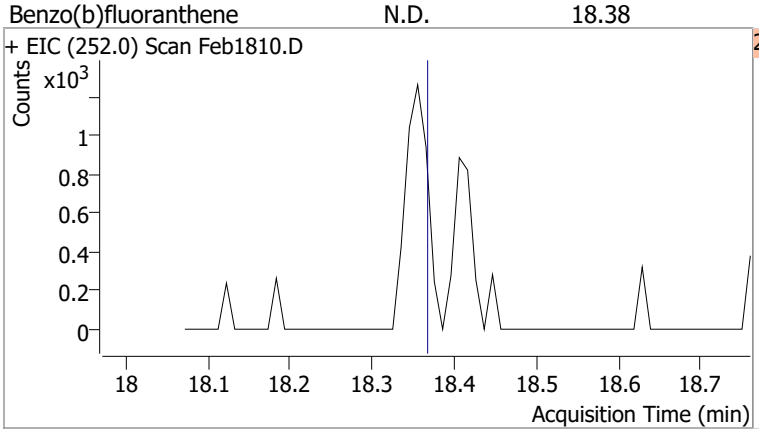


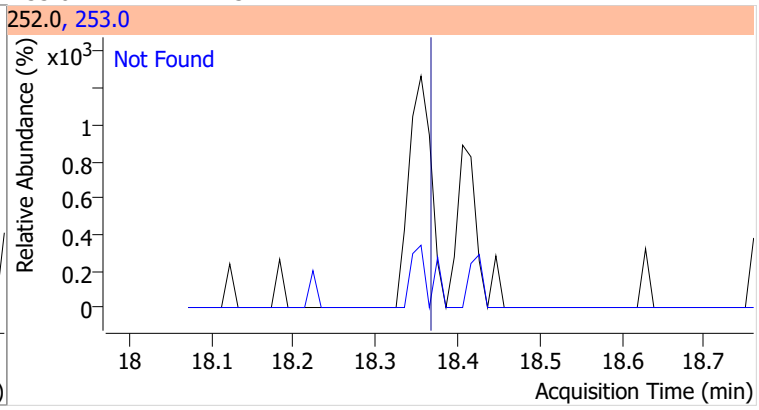
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



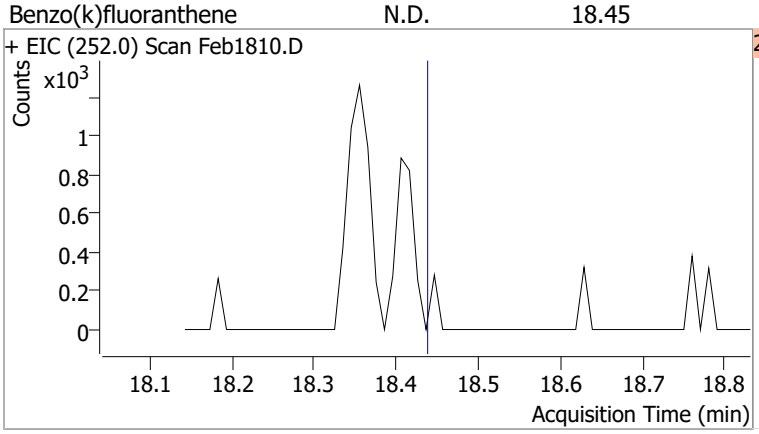


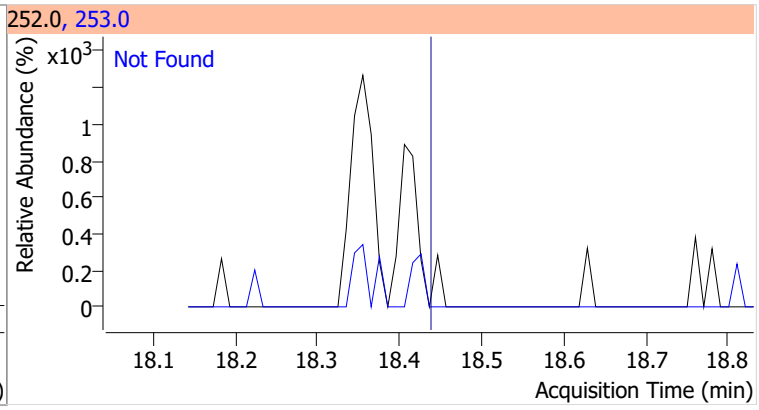
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



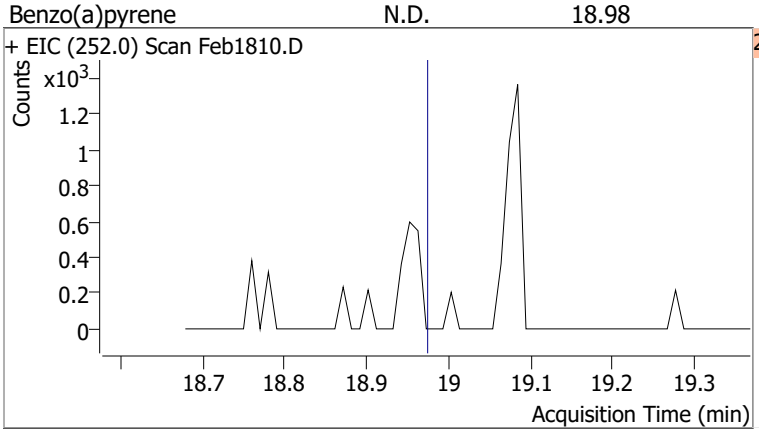


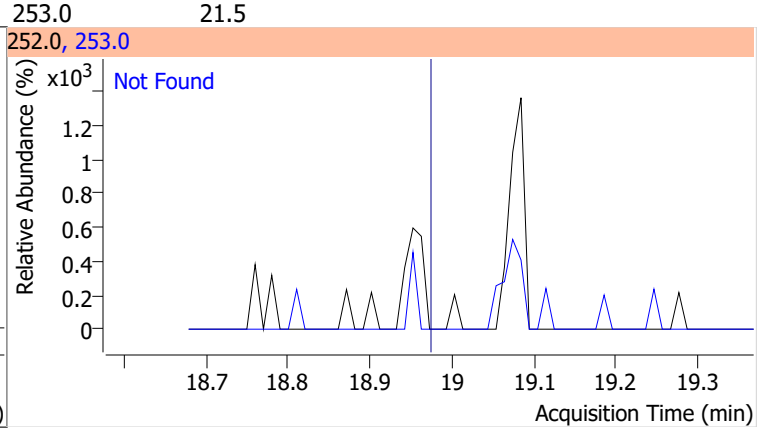
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



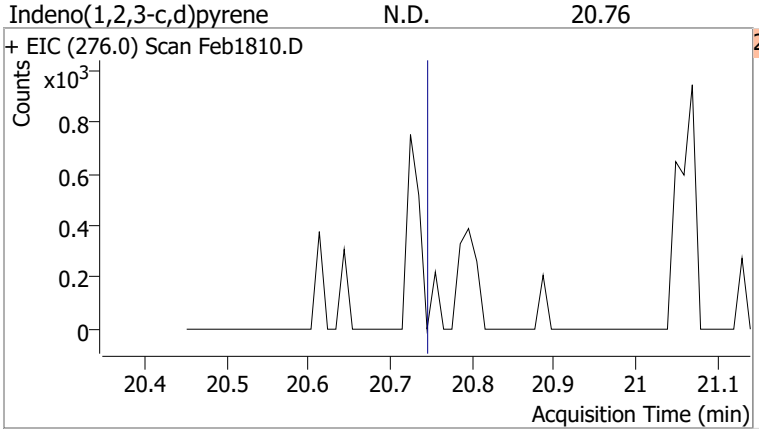


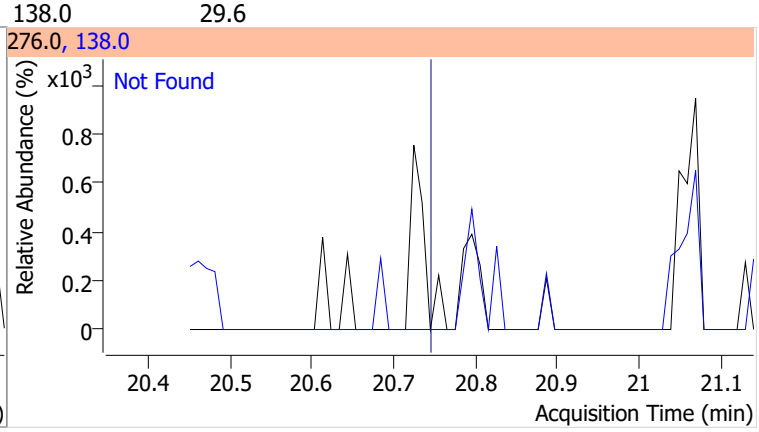
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



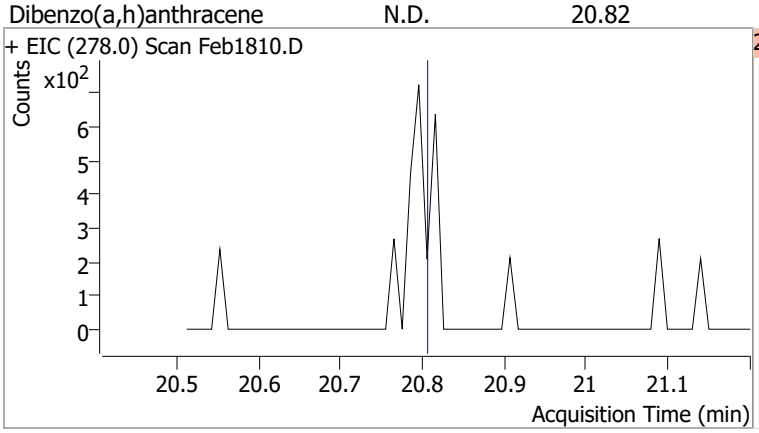


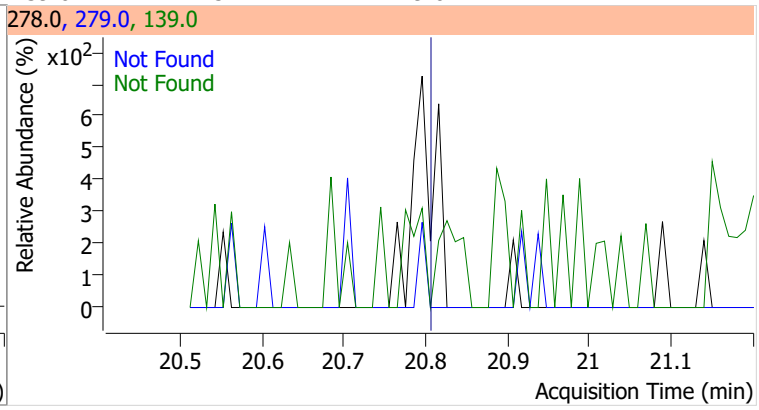
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



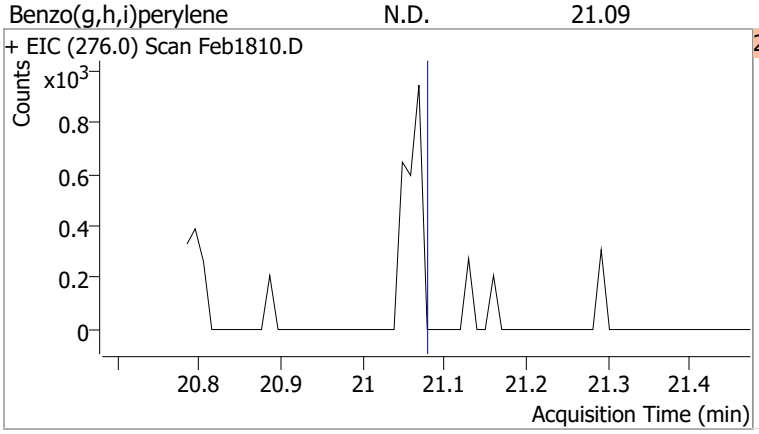


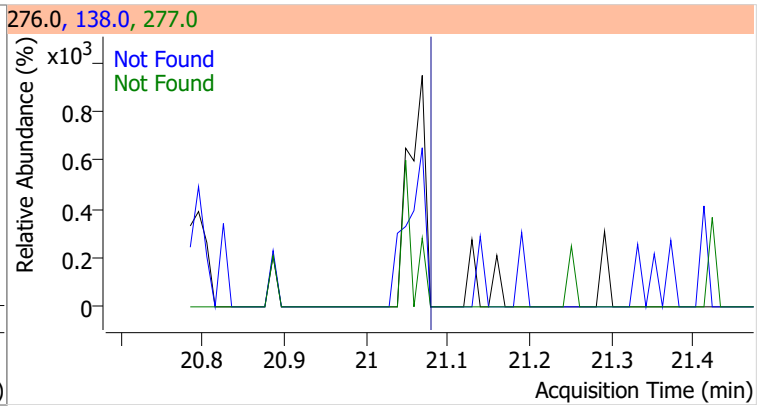
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





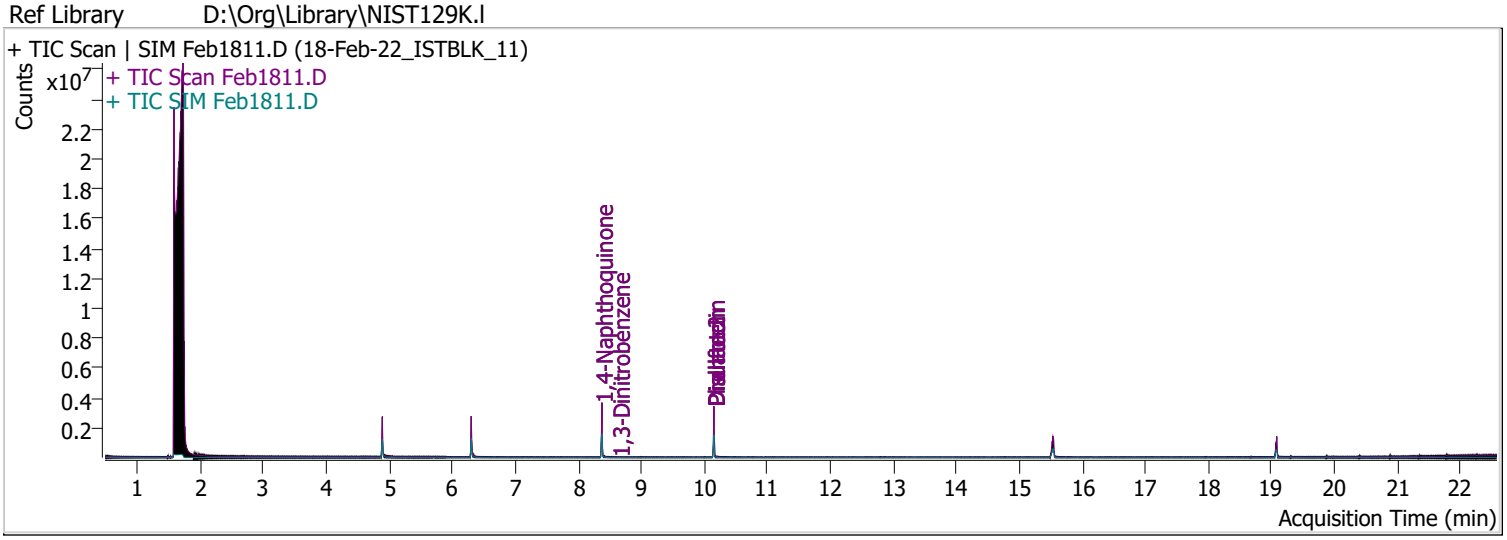
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1811.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 1:24:22 PM
Sample Name	18-Feb-22_ISTBLK_11	Instrument	Instrument #1
Vial	11	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



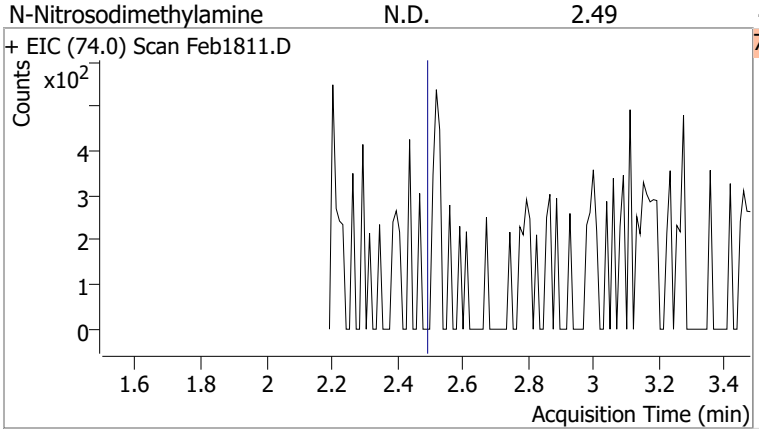
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
System Monitoring Compounds						
S 2-Fluorophenol	0.000		0	N.D.		
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = NA%		
S Phenol-d5	0.000		0	N.D.		
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = NA%		
S Nitrobenzene-d5	0.000		0	N.D.		
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = NA%		
S 2-Fluorobiphenyl	0.000		0	N.D.		
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = NA%		
S 2,4,6-Tribromophenol	0.000		0	N.D.		
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = NA%		
S Terphenyl-d14	0.000		0	N.D.		
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = NA%		
Target Compounds						QValue
T N-Nitrosodimethylamine	0.000		0	N.D.		
T Pyridine	0.000		0	N.D.		
T Aniline	0.000		0	N.D.		
T Phenol	0.000		0	N.D.		
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.		
T 2-Chlorophenol	0.000		0	N.D.		
T 1,3-Dichlorobenzene	0.000		0	N.D.		
T 1,4-Dichlorobenzene	0.000		0	N.D.		
T 1,2-Dichlorobenzene	0.000		0	N.D.		
T Benzyl Alcohol	0.000		0	N.D.		
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.		
T 2-Methylphenol	0.000		0	N.D.		
T N-nitroso-Di-n-propylamine	0.000		0	N.D.		
T 4Methylphenol/3Methylphenol	0.000		0	N.D.		
T Hexachloroethane	0.000		0	N.D.		

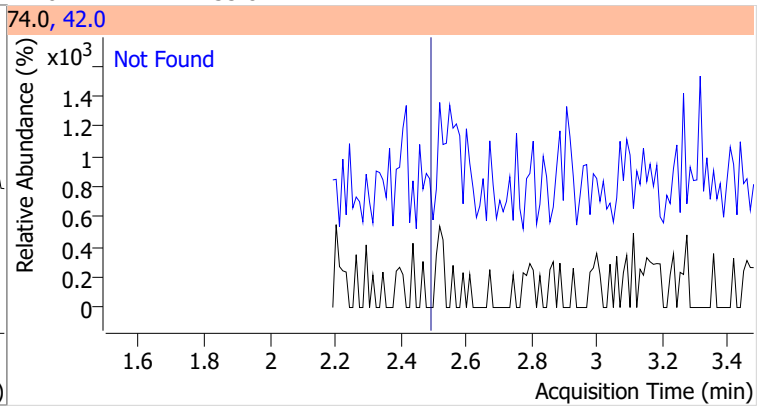
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	6.300	130.0	0		µg/L	md	1
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	0.000		0	N.D.			
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

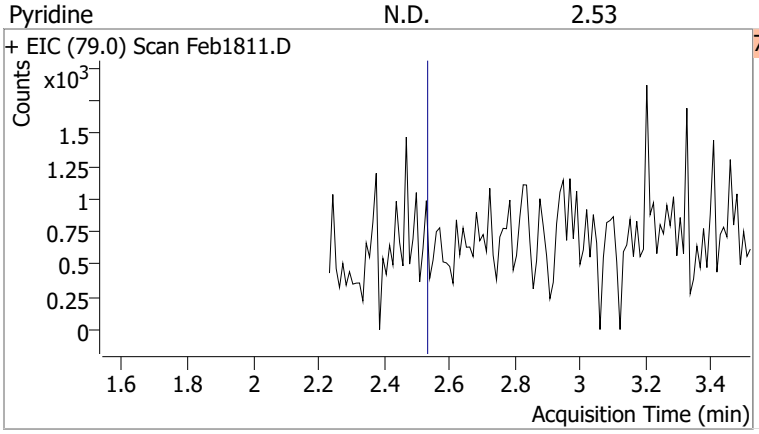
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

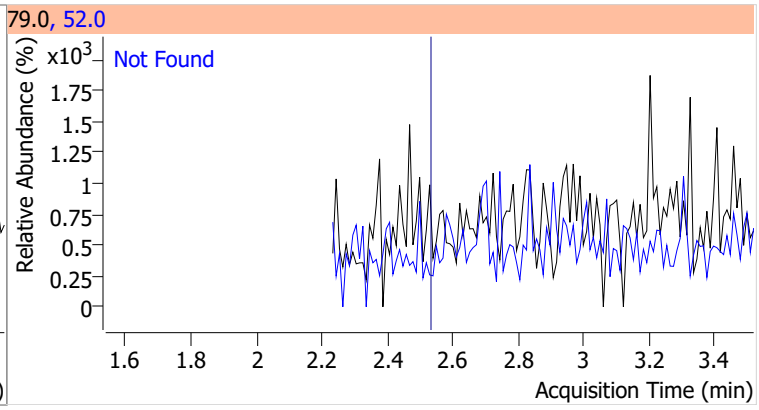
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



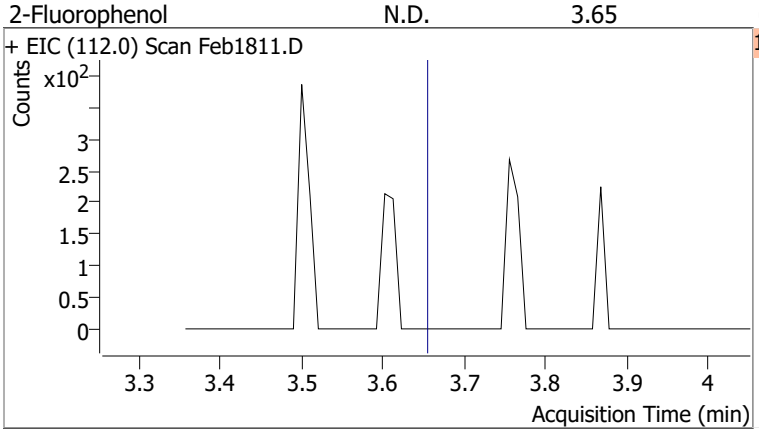


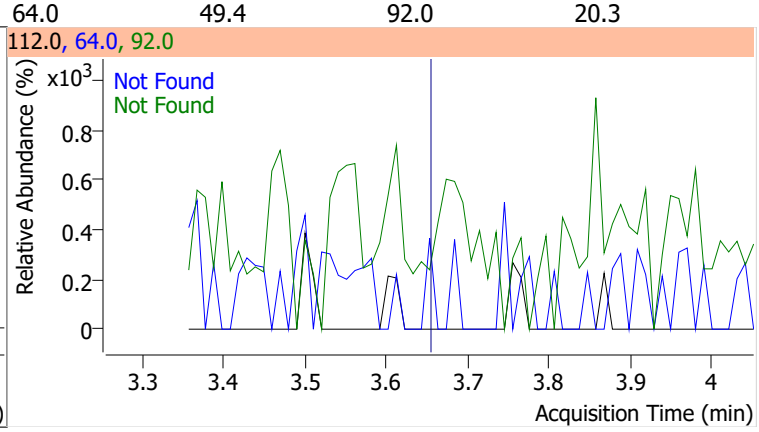
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7



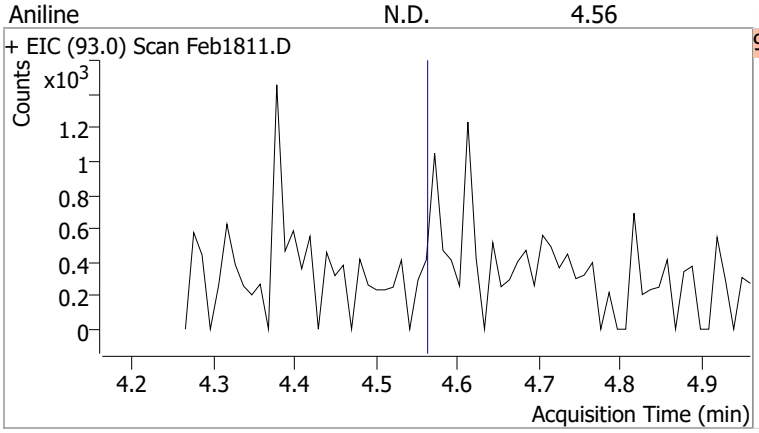


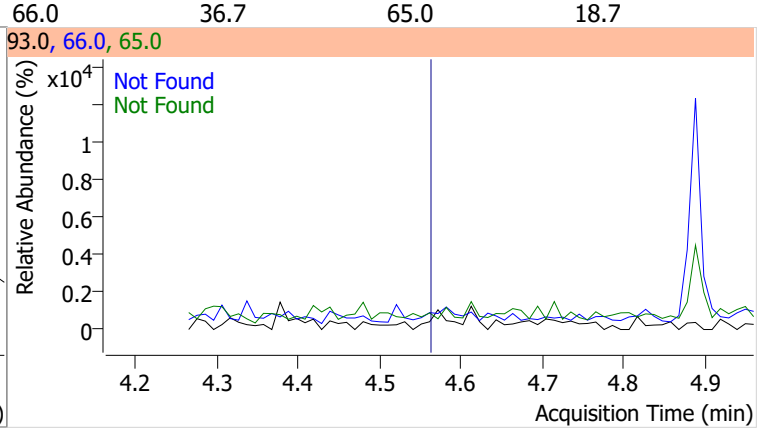
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Fluorophenol	N.D.	3.65	64.0	49.4	92.0	20.3



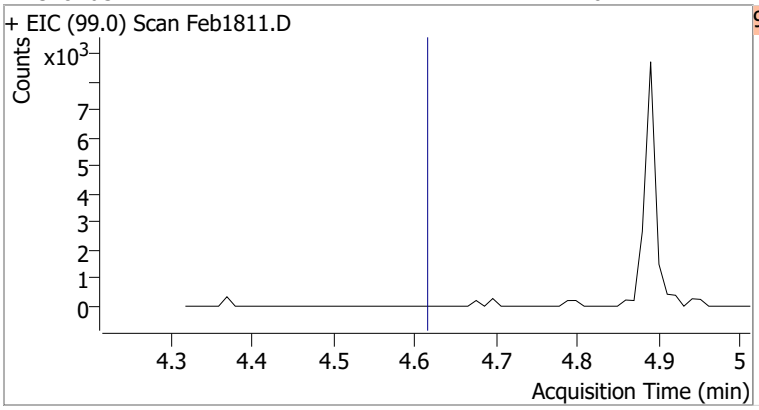


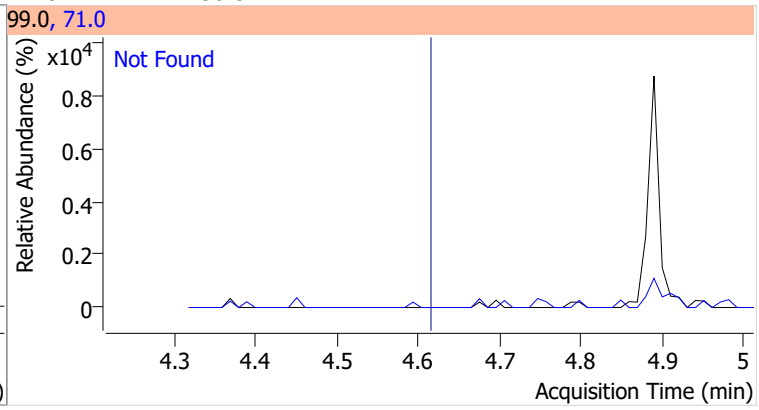
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7



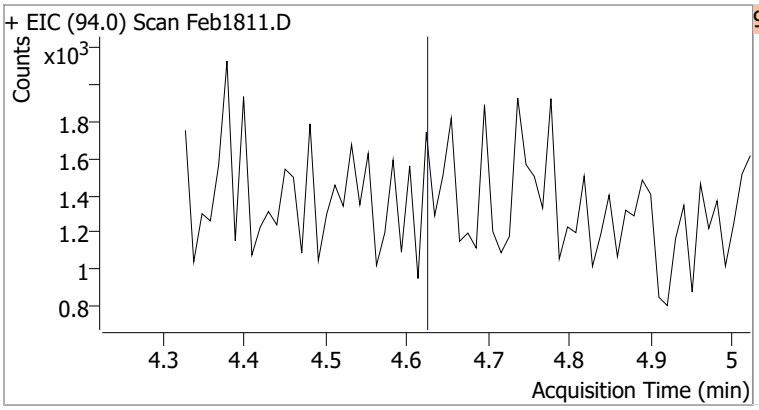


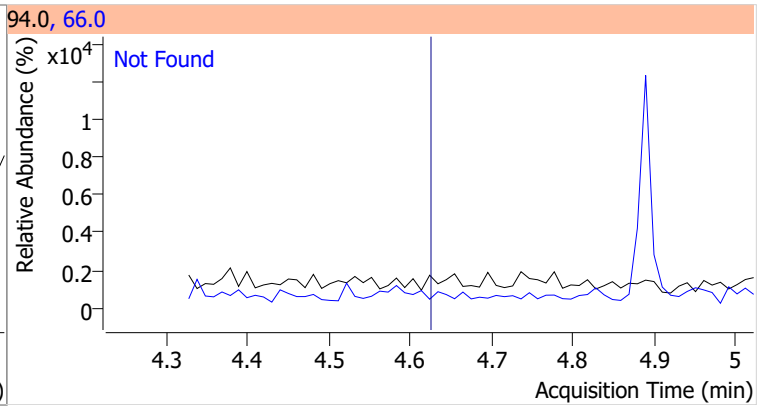
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol-d5	N.D.	4.61	71.0	36.8



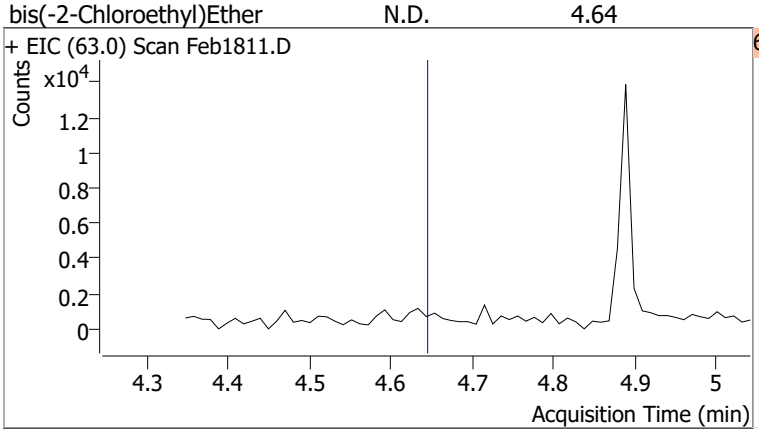


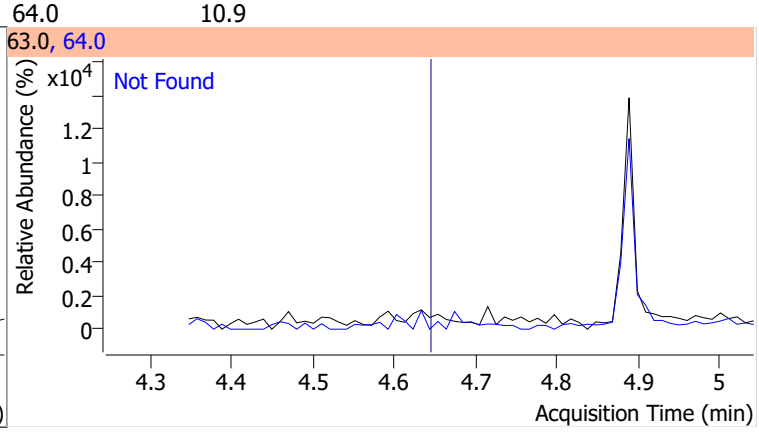
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



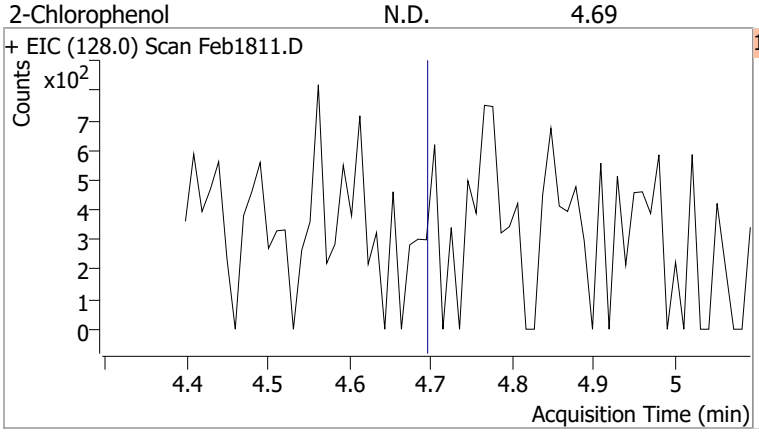


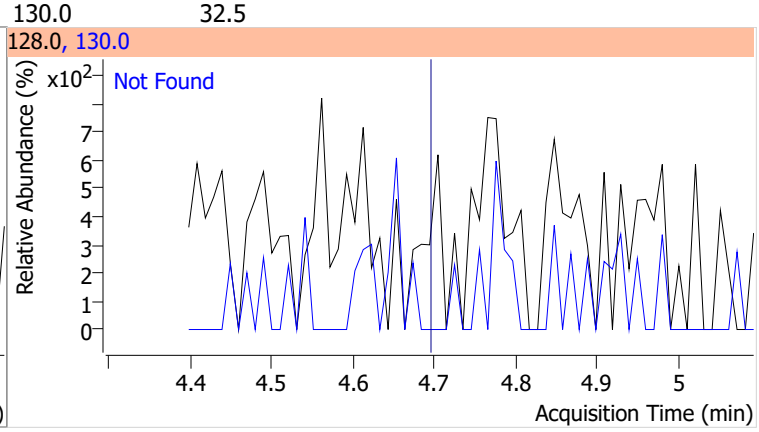
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



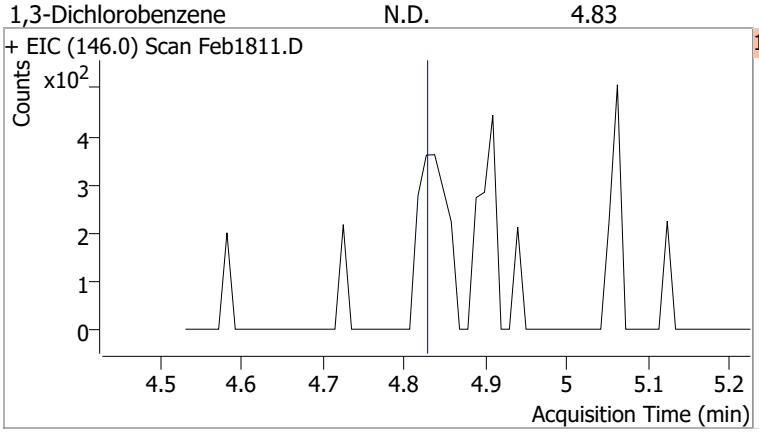


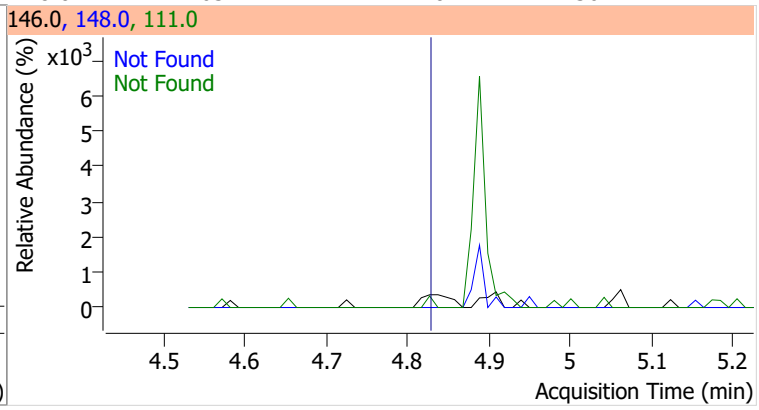
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



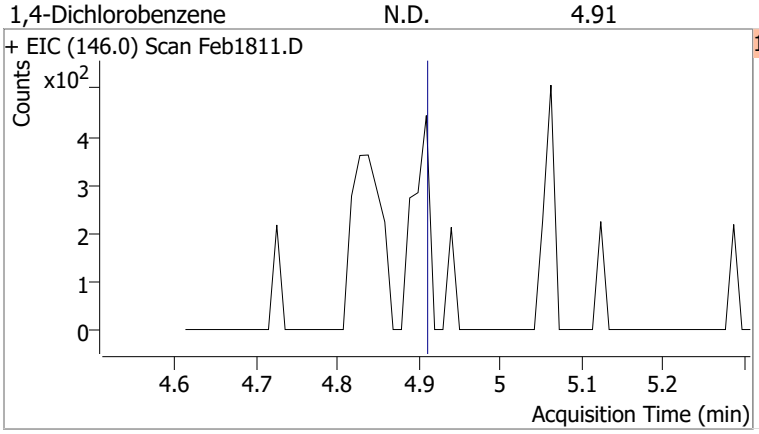


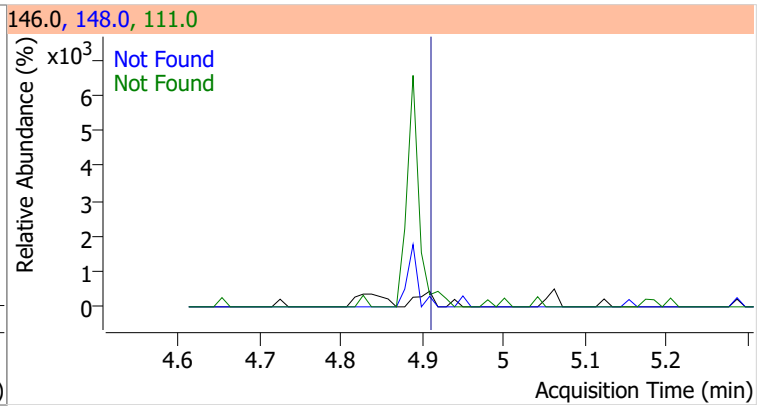
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



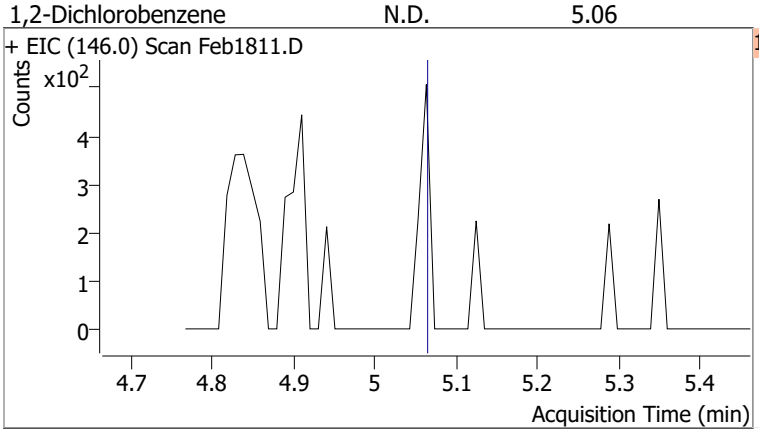


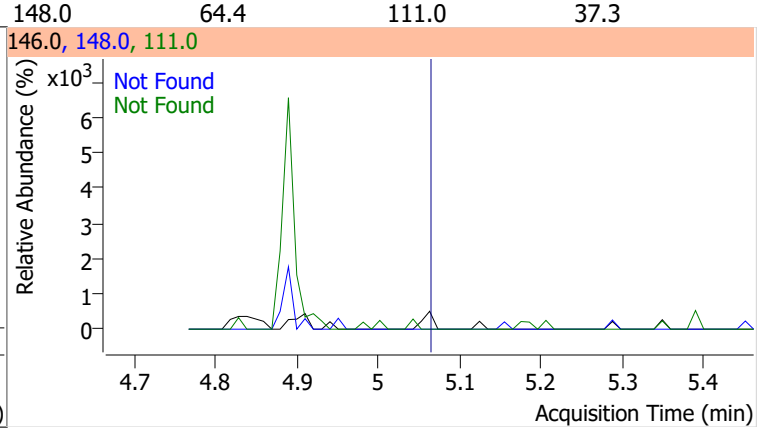
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



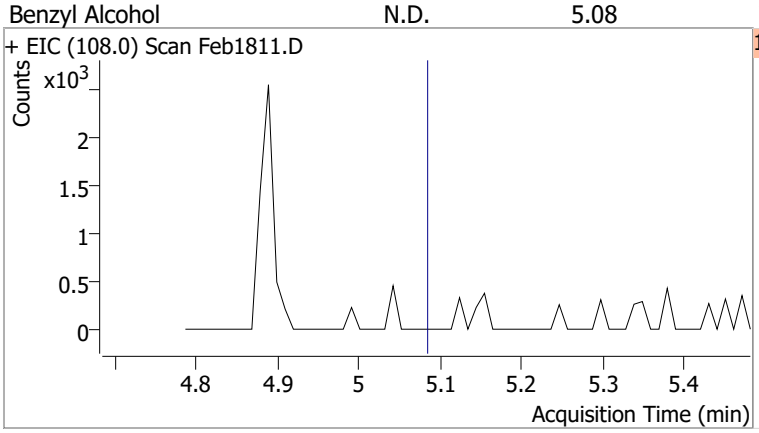


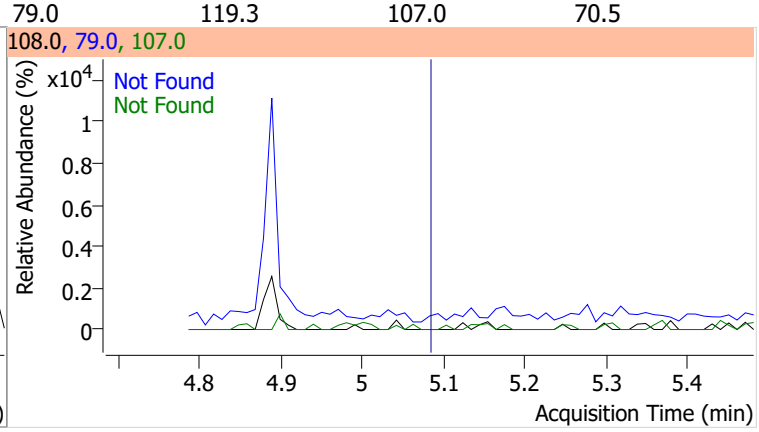
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



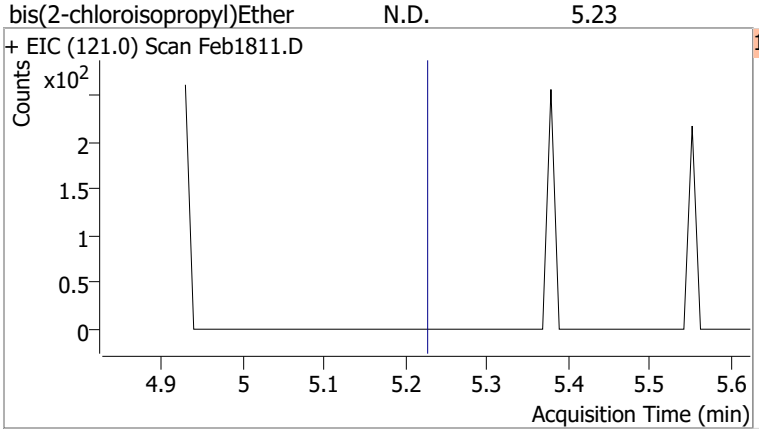


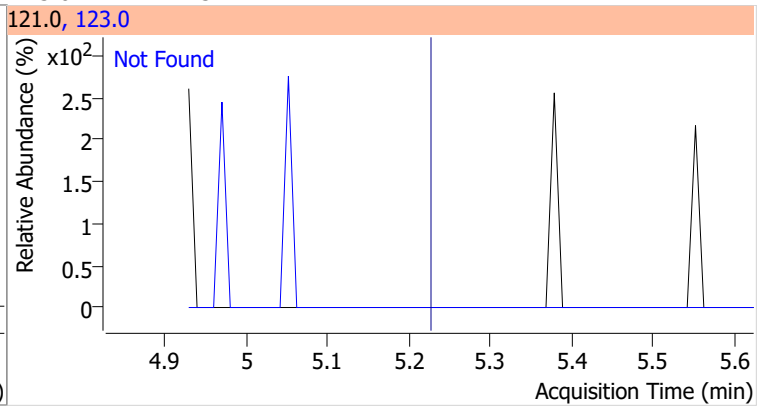
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



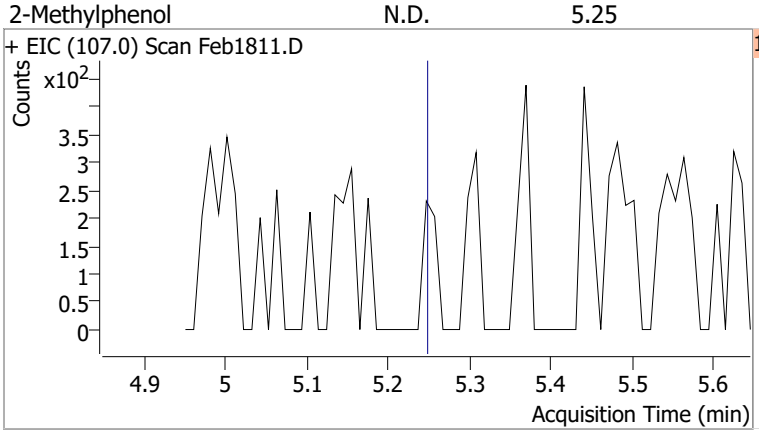


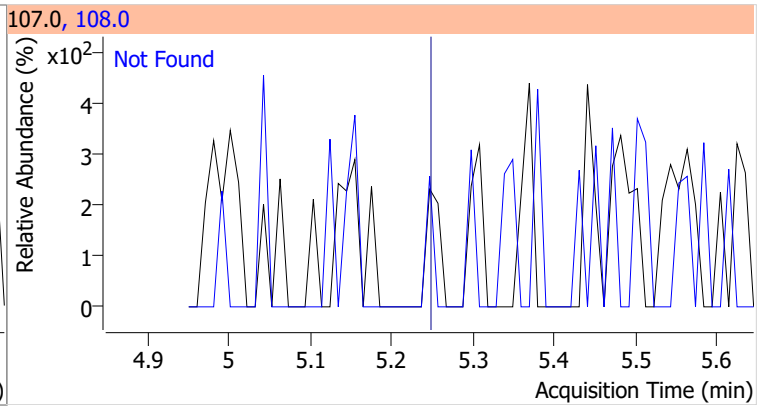
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



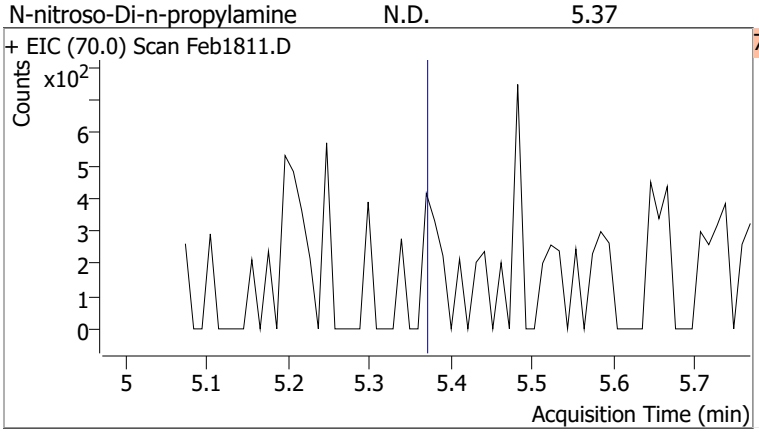


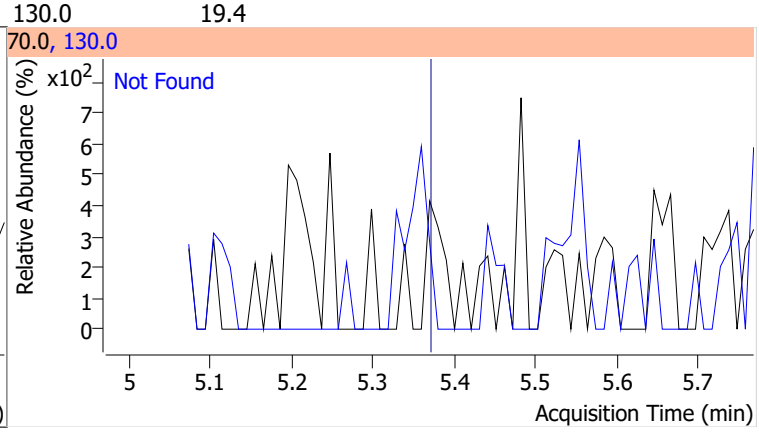
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



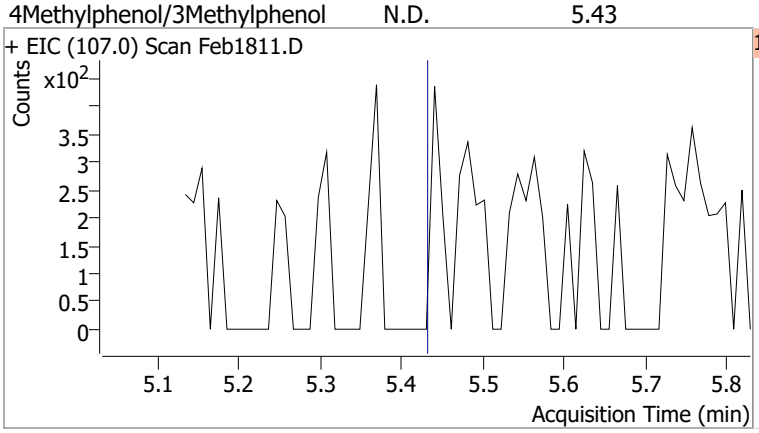


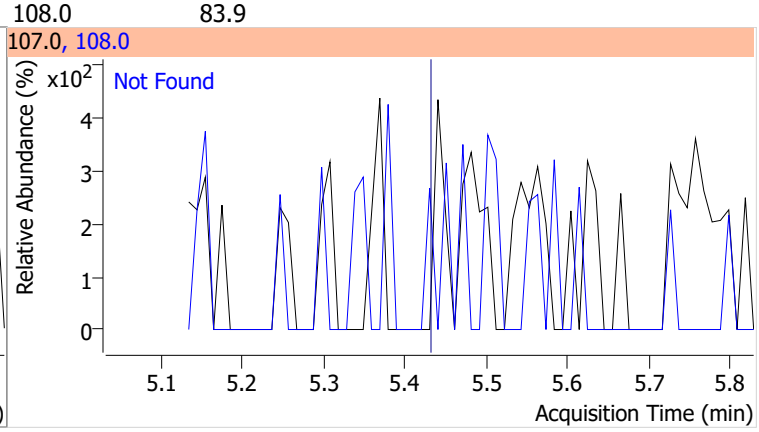
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-nitroso-Di-n-propylamine	N.D.	5.37	130.0	19.4



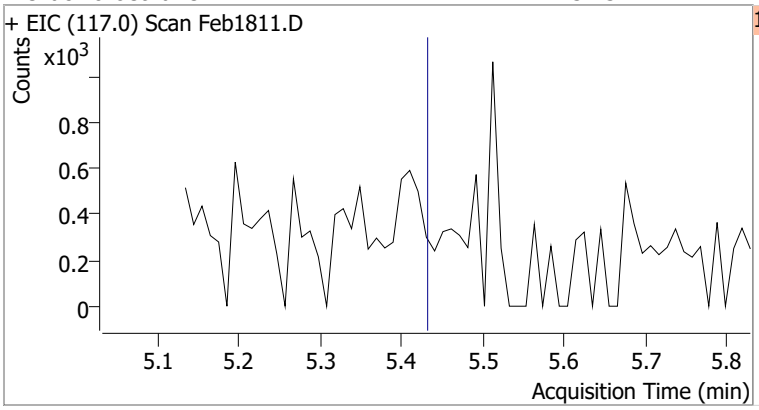


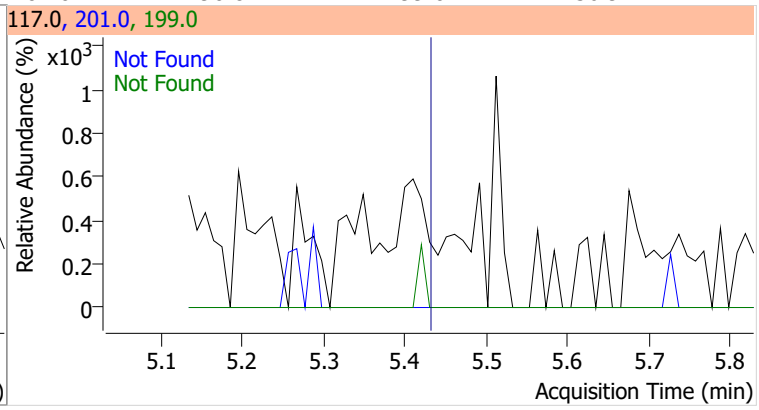
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



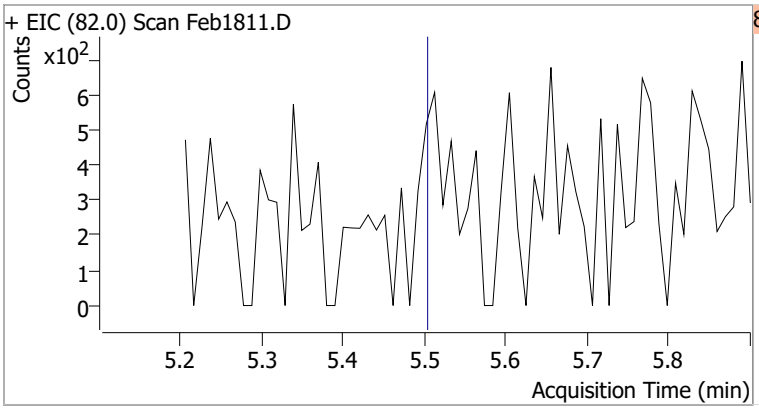


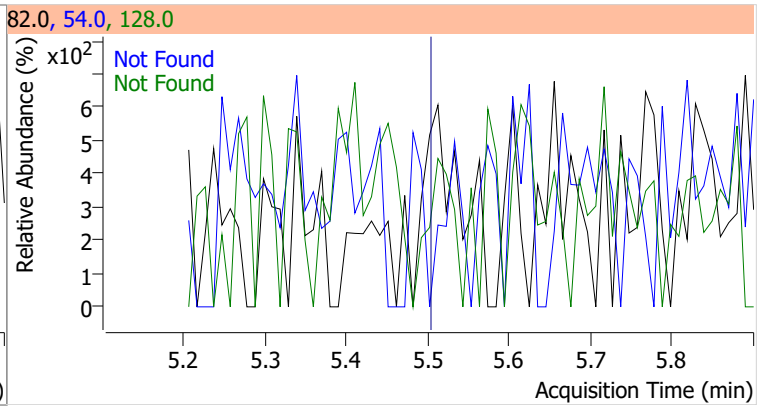
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9



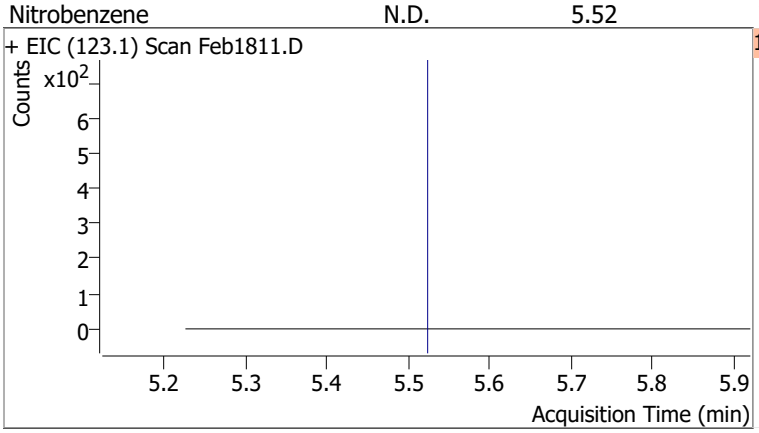


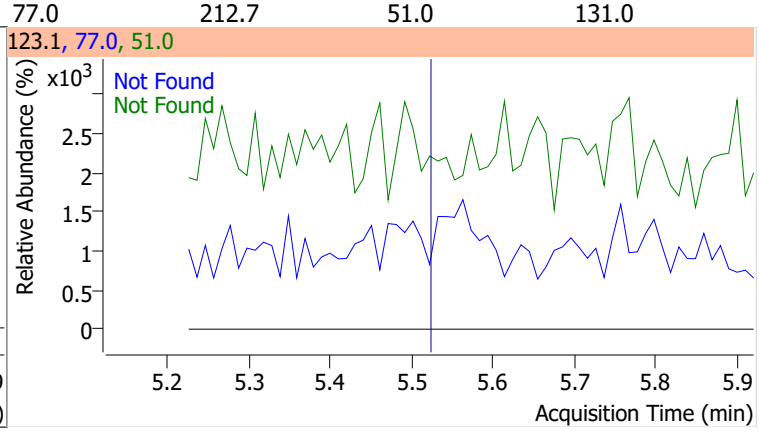
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene-d5	N.D.	5.50	54.0	66.2	128.0	48.7



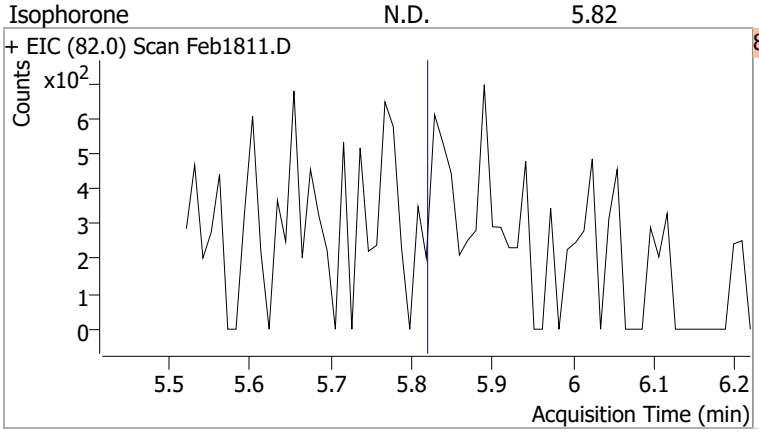


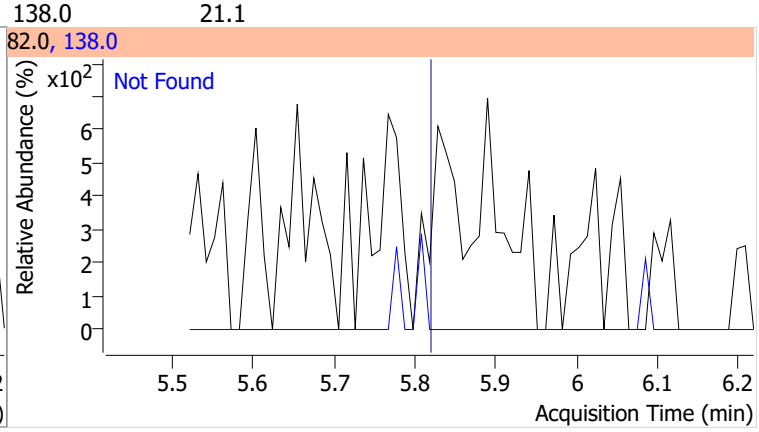
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



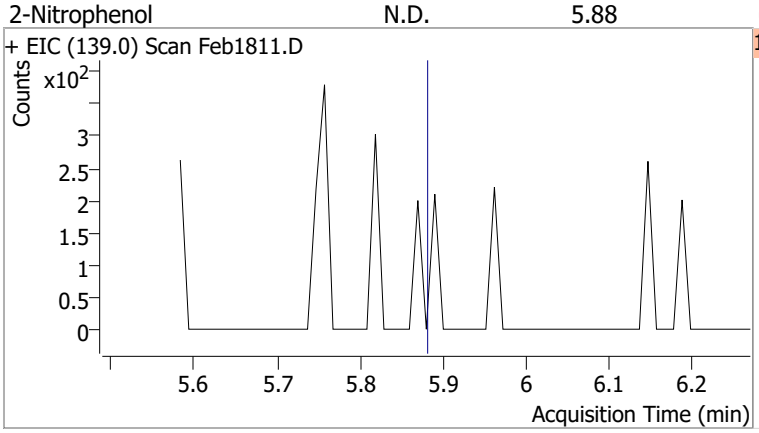


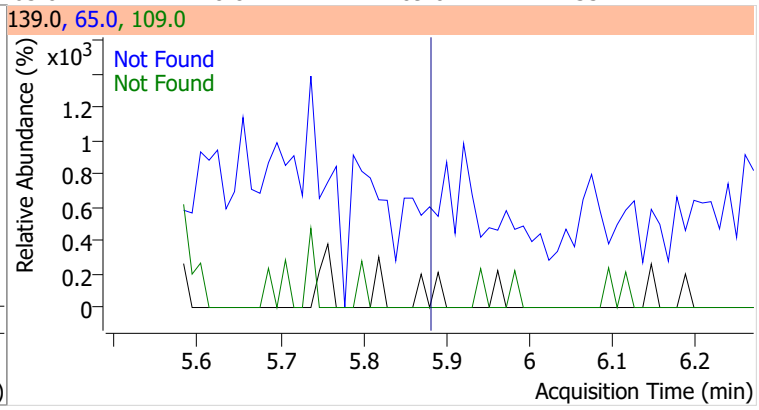
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



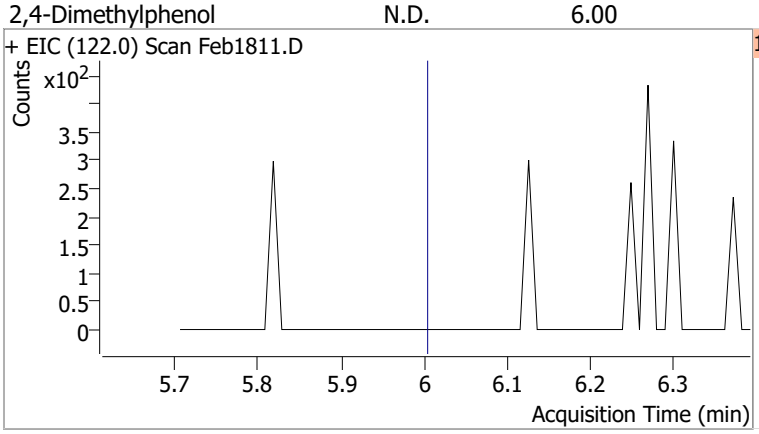


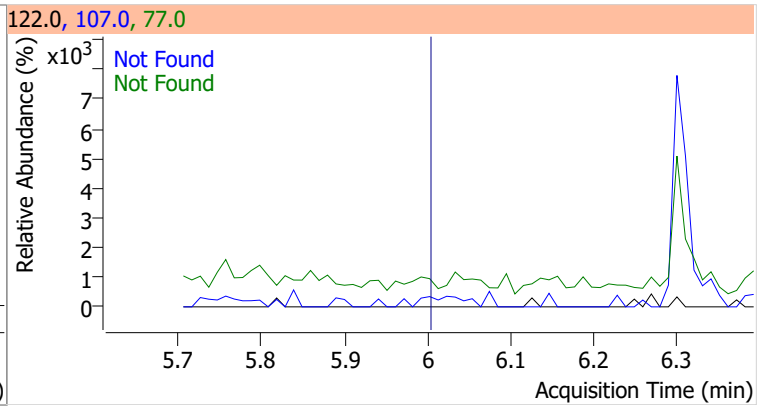
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



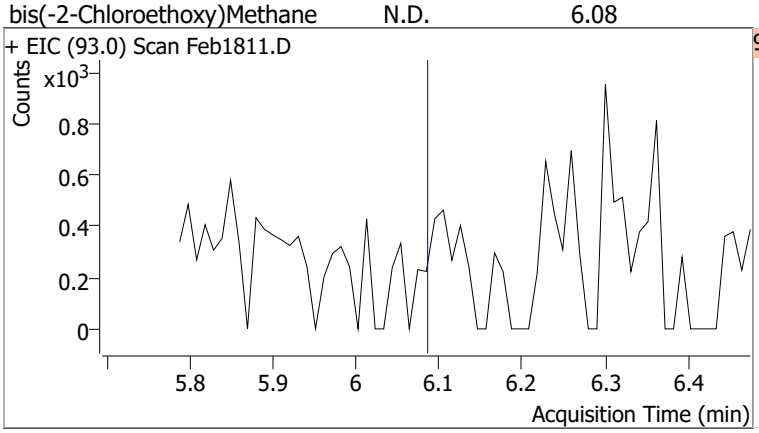


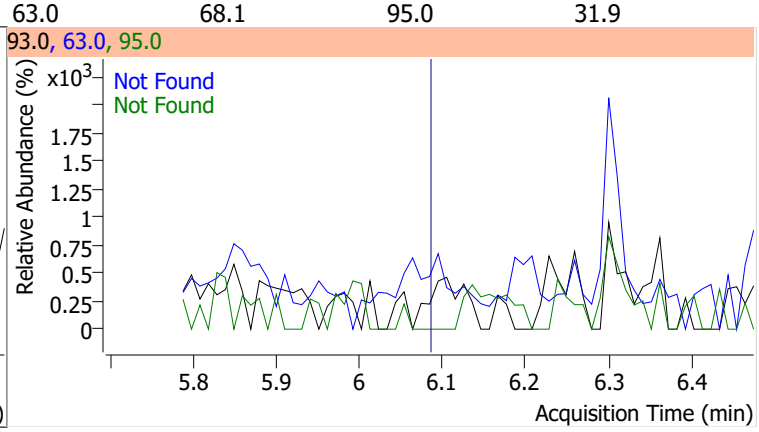
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



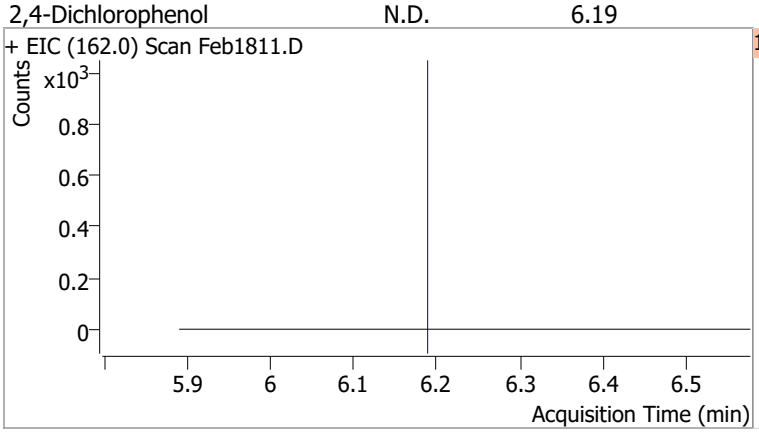


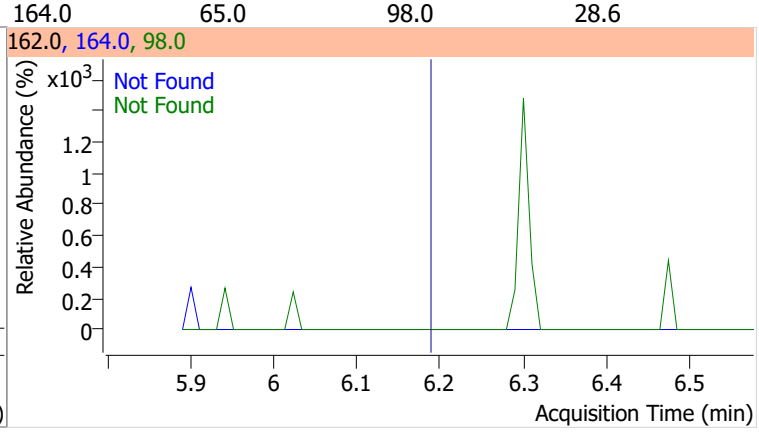
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



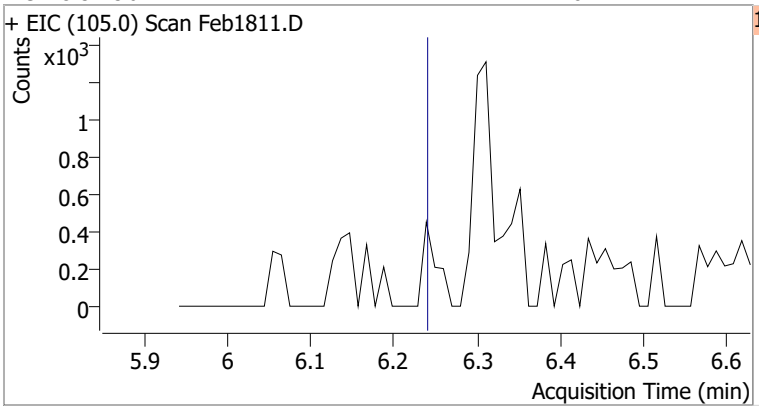


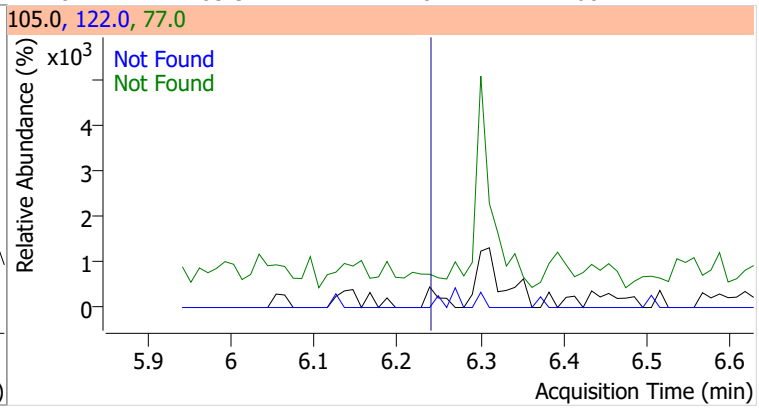
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



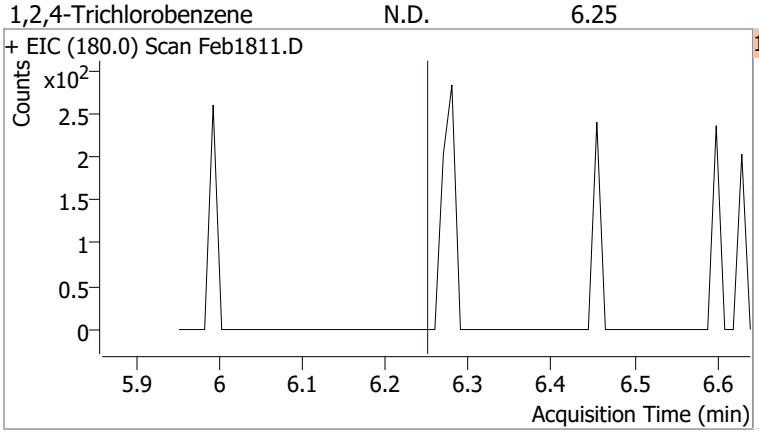


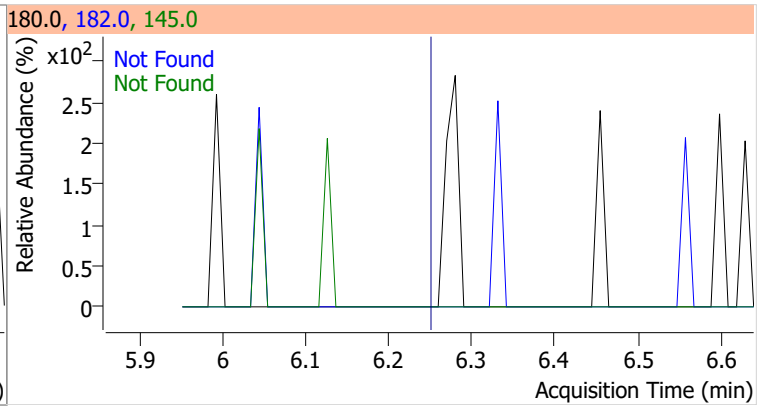
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



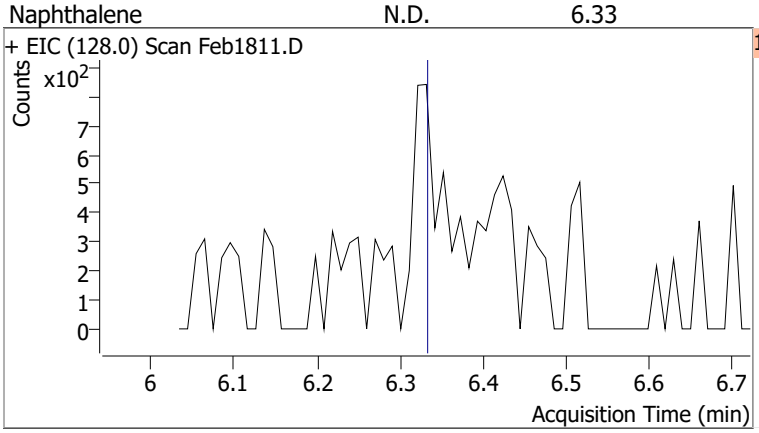


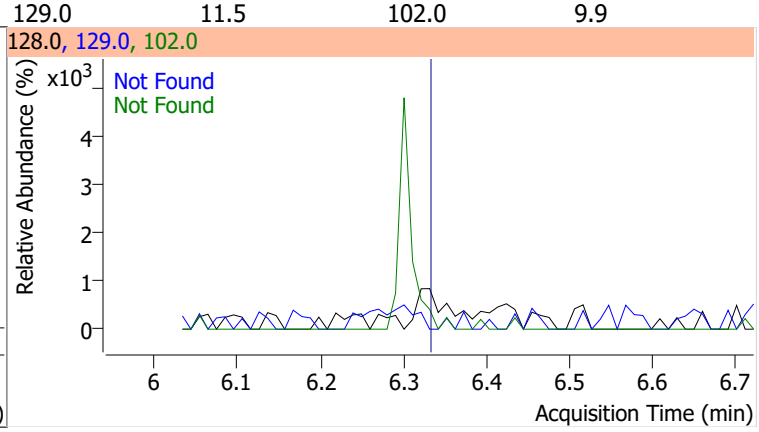
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



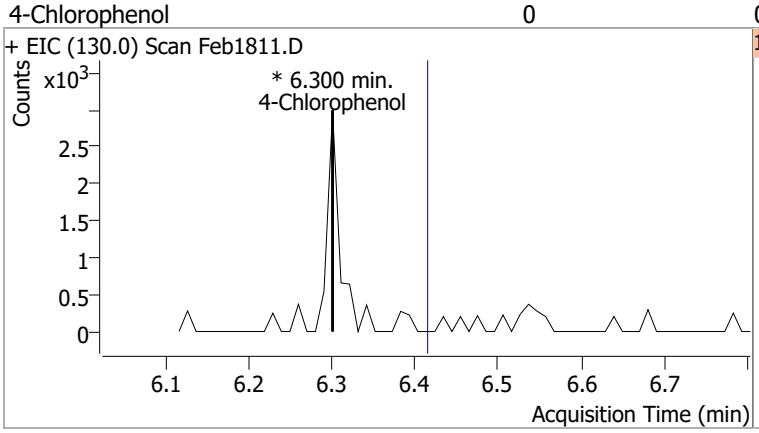


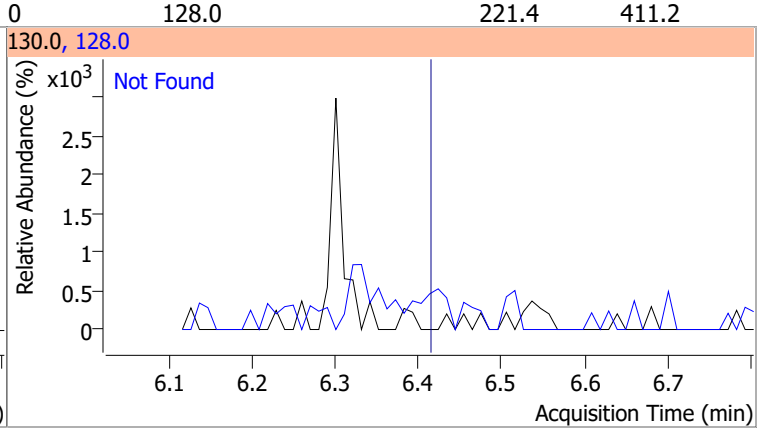
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



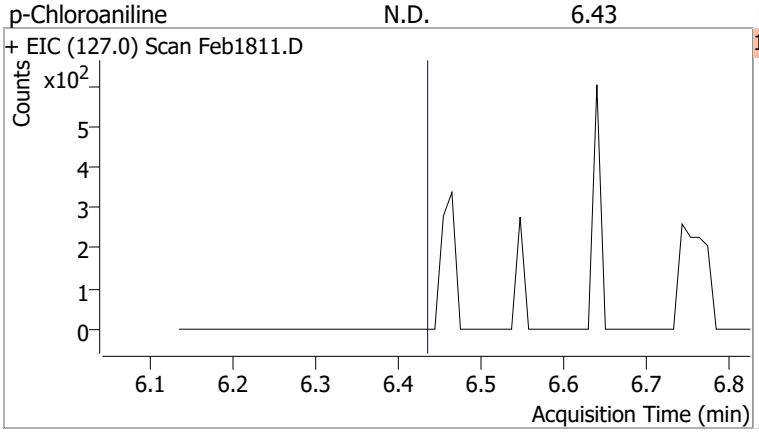


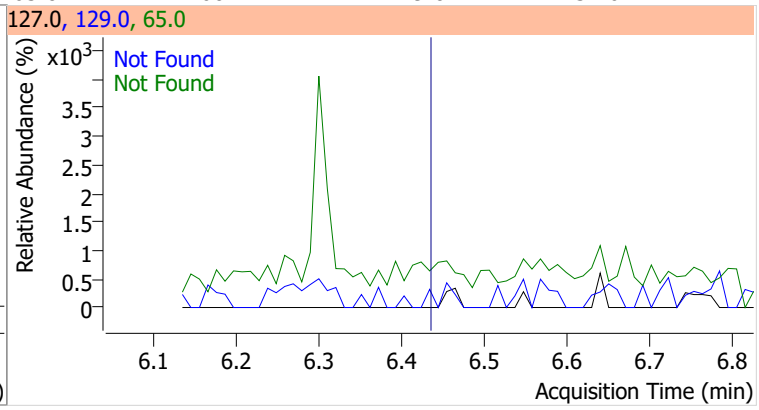
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol		0		0	128.0		221.4	411.2



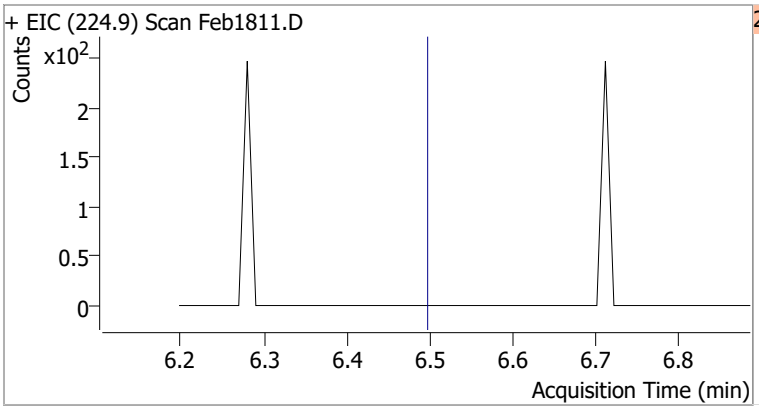


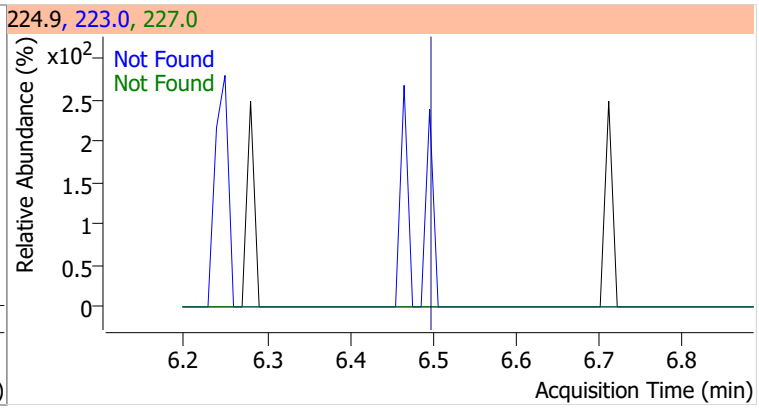
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



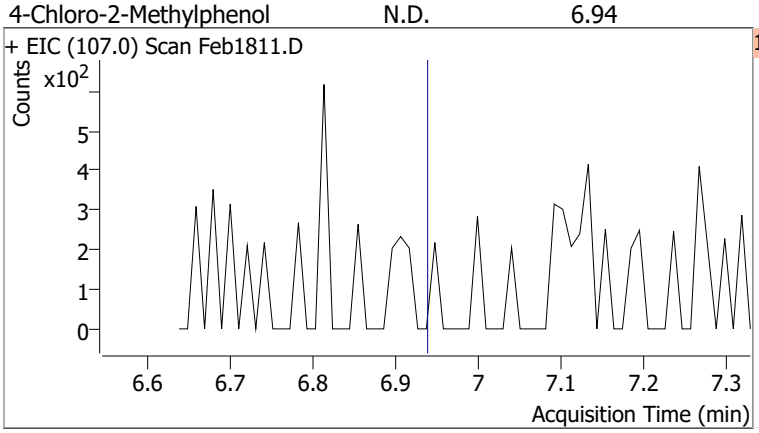


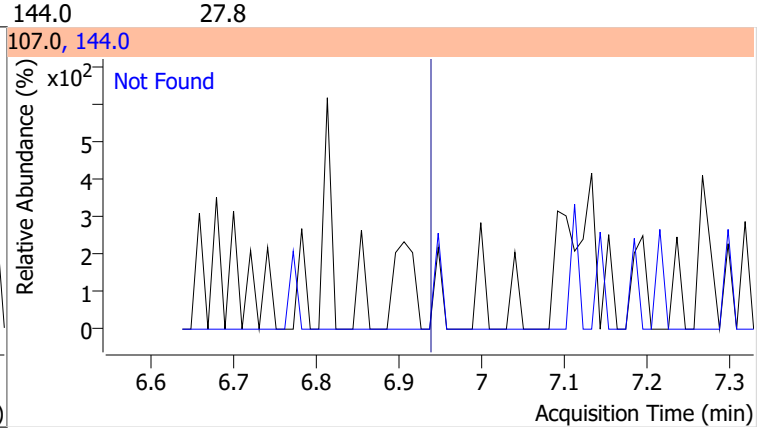
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



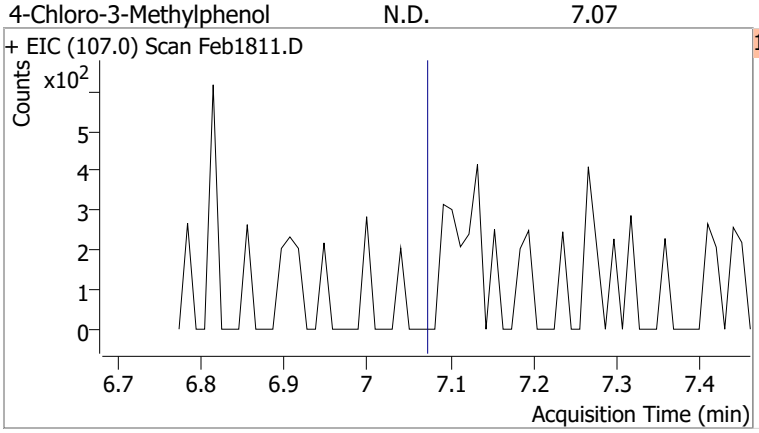


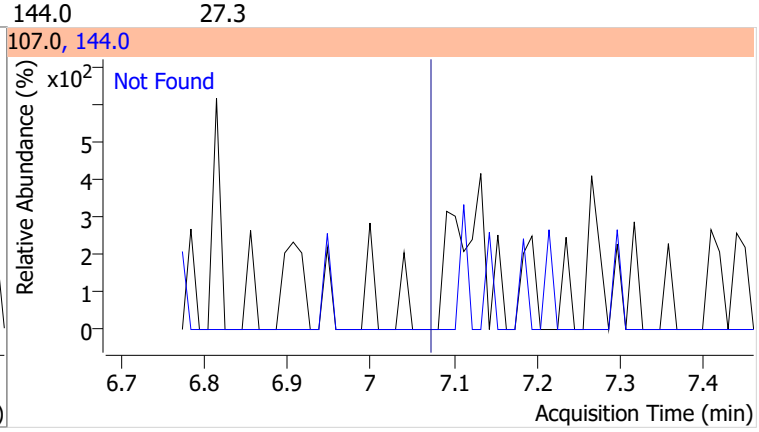
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



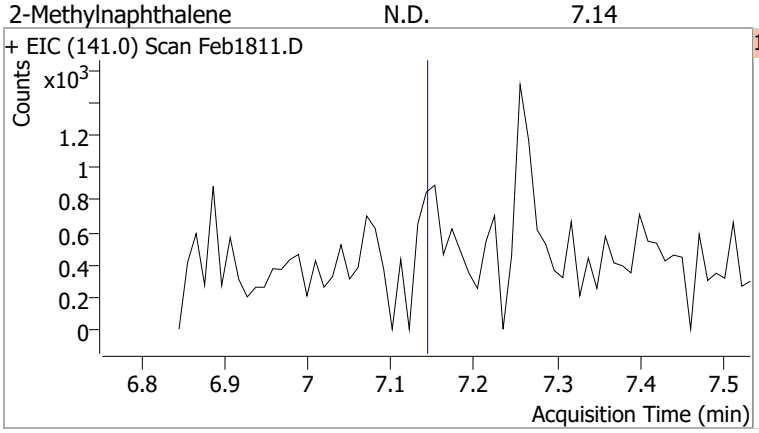


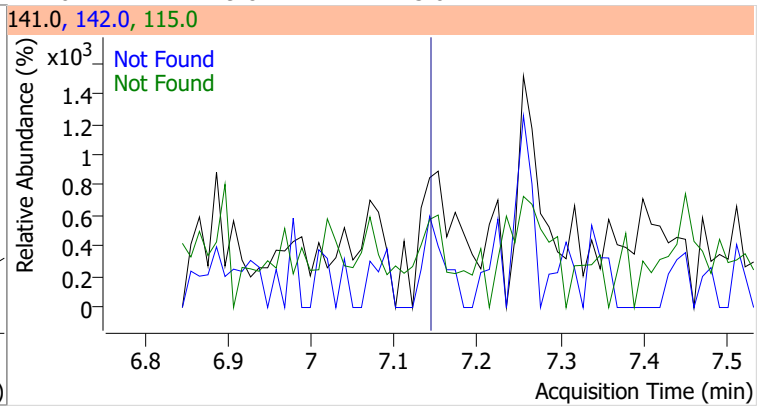
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



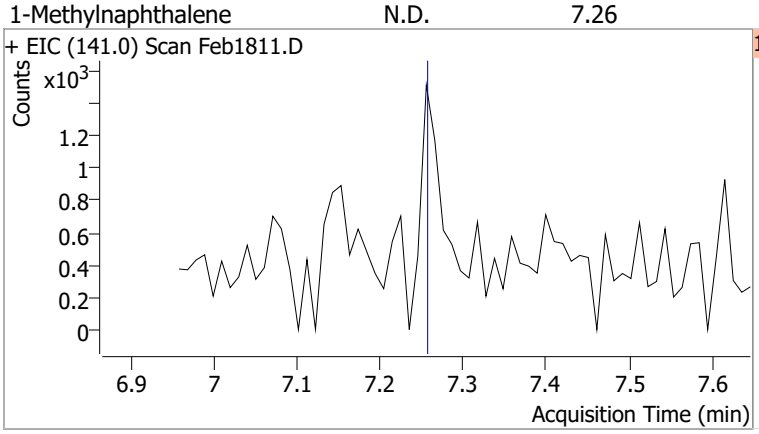


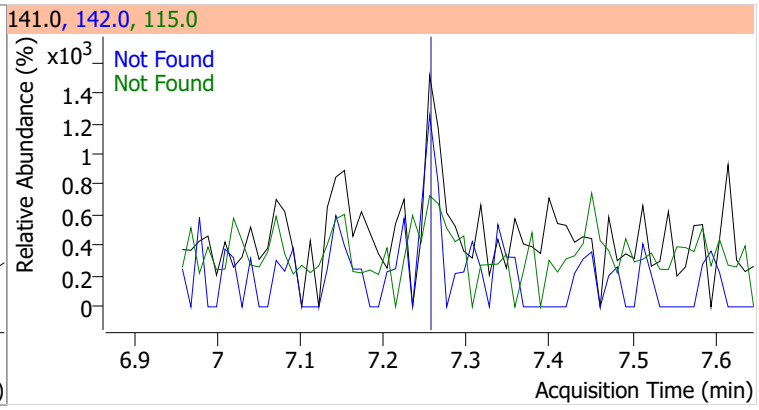
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



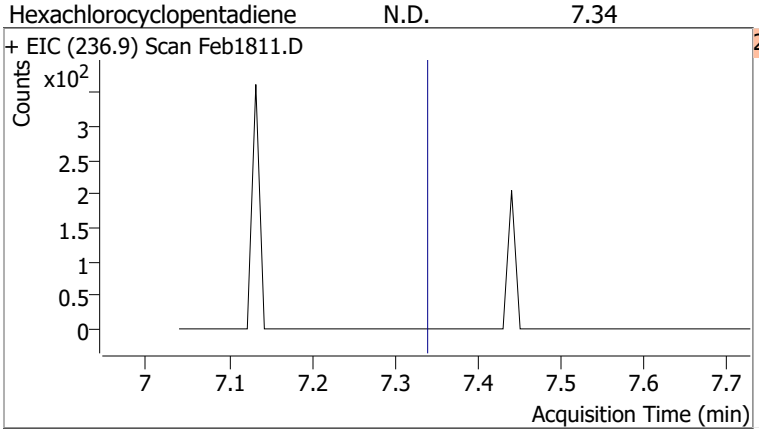


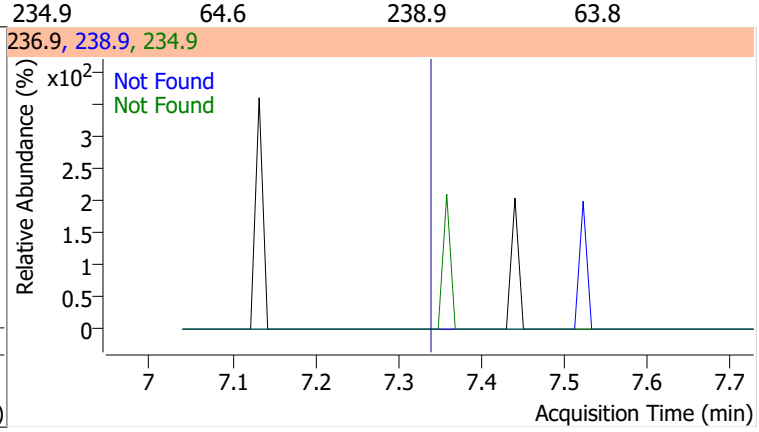
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



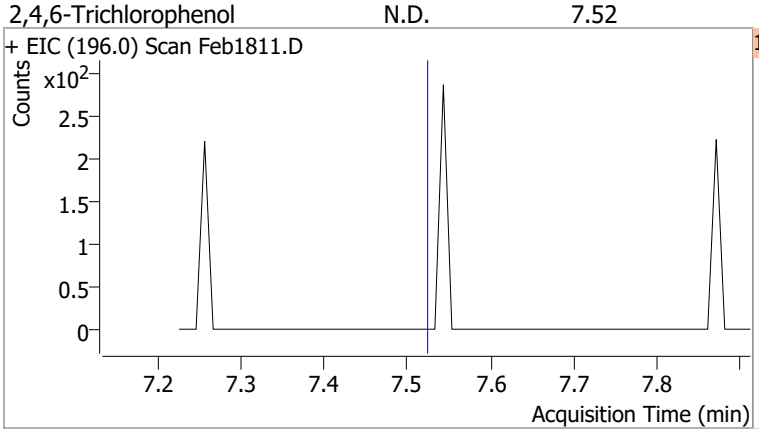


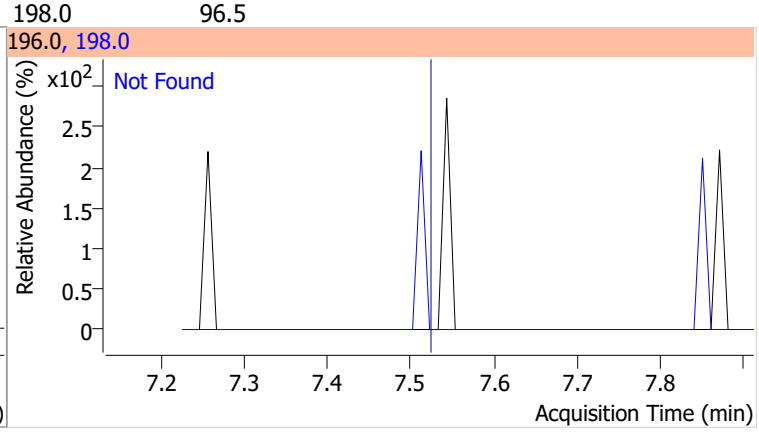
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



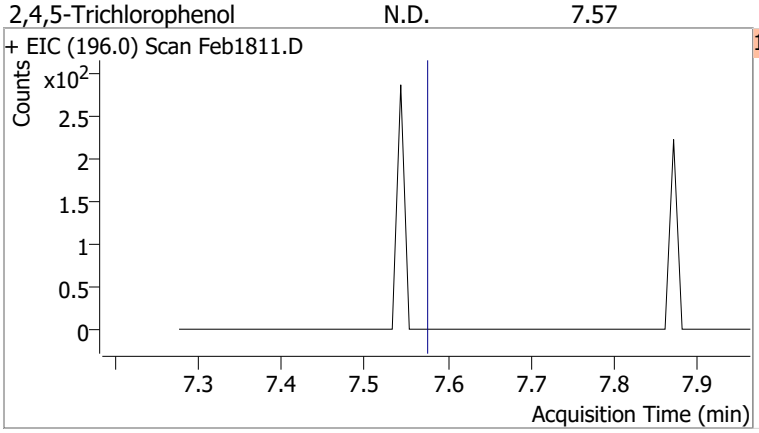


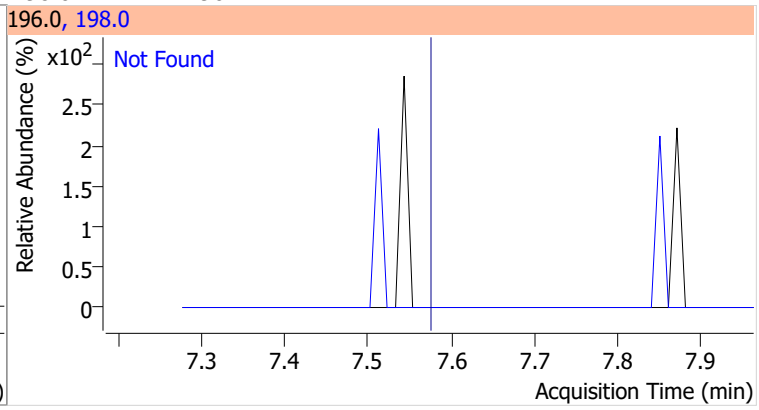
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



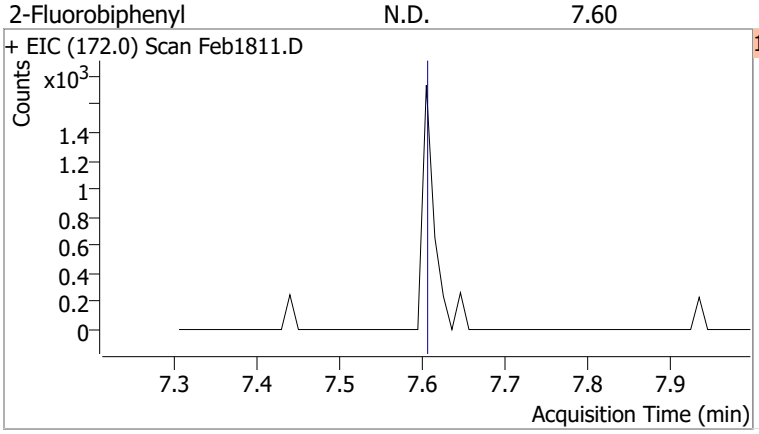


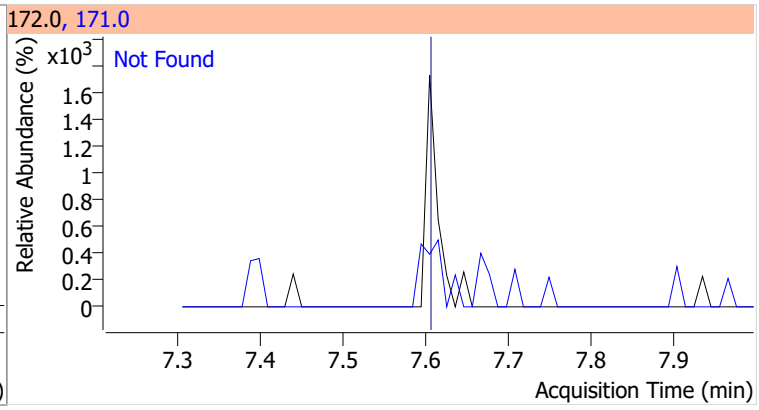
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2



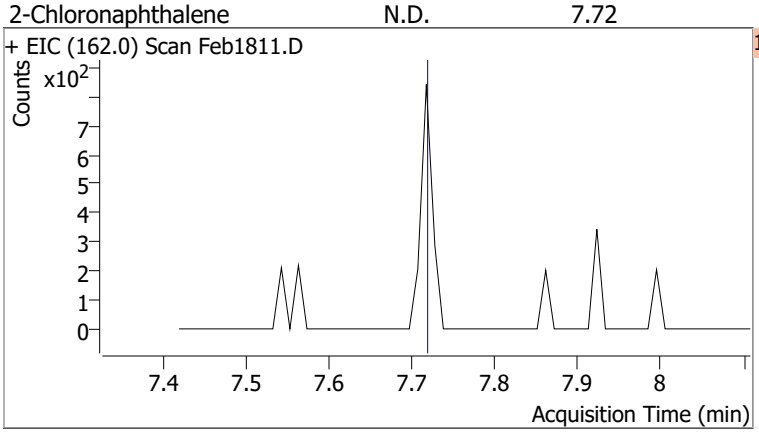


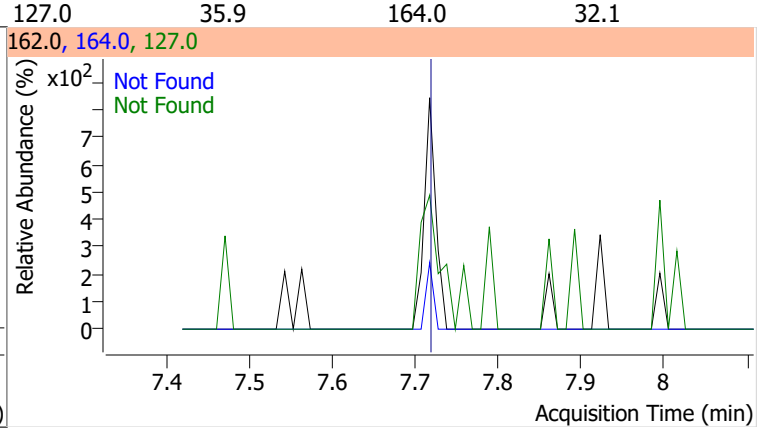
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Fluorobiphenyl	N.D.	7.60	171.0	34.3



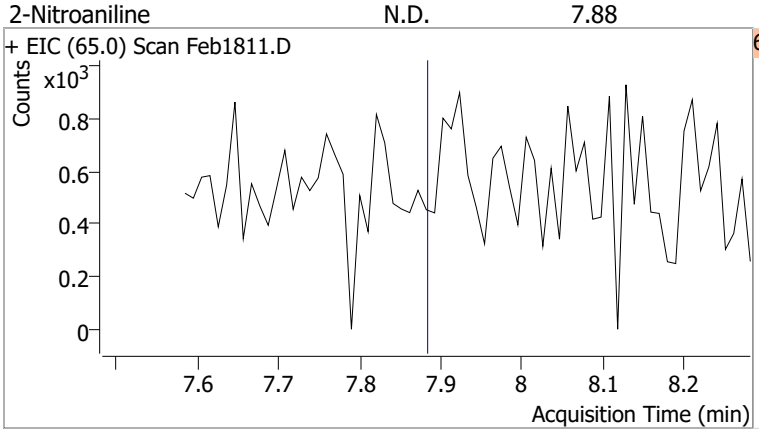


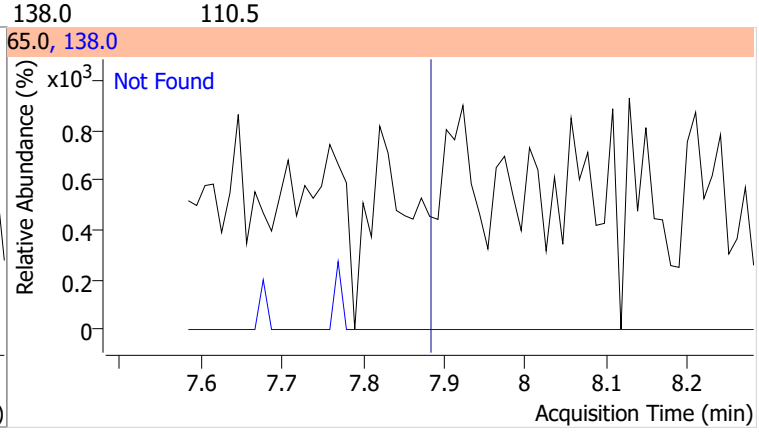
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



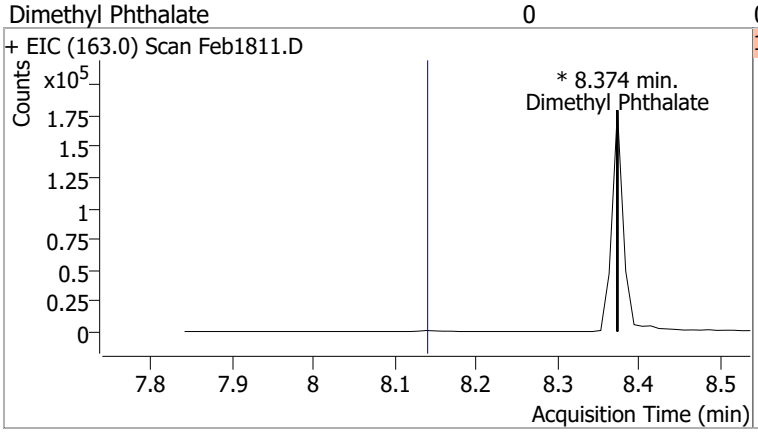


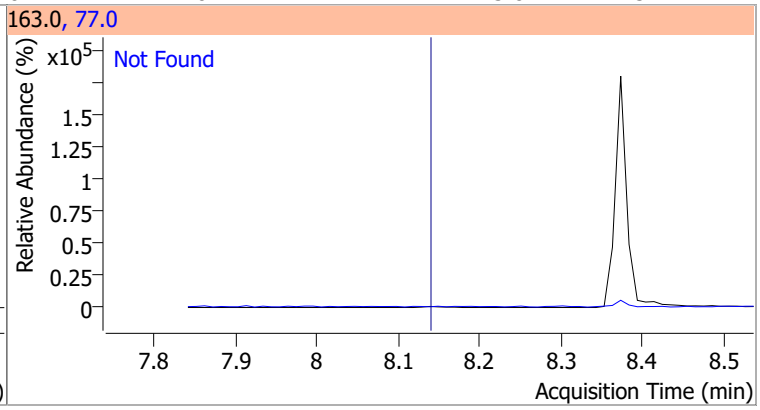
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



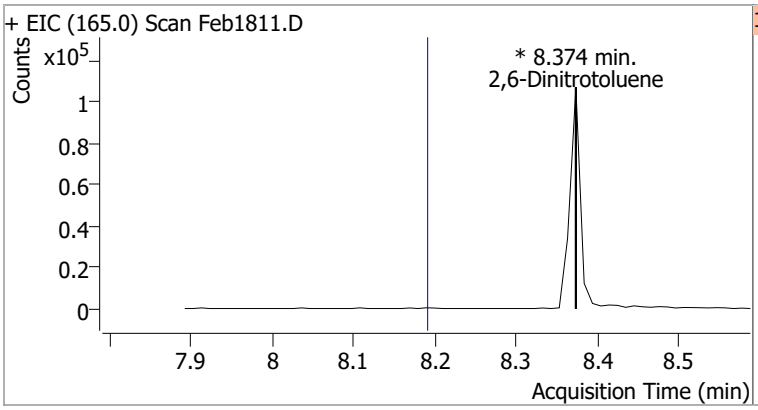


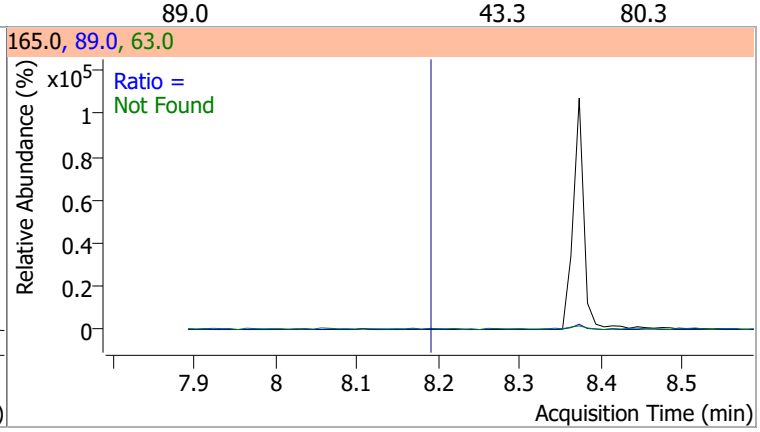
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



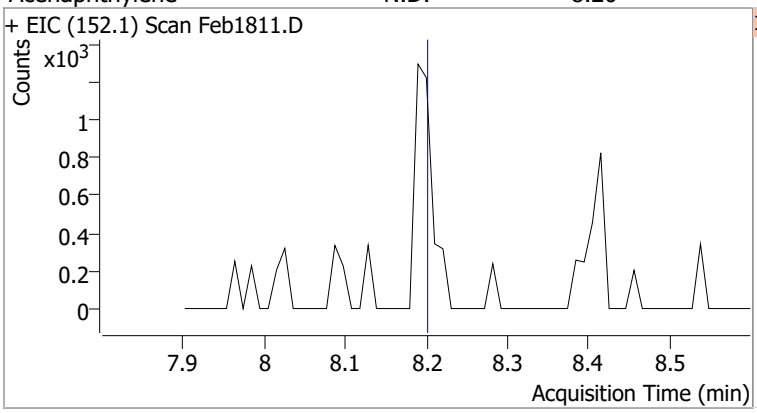


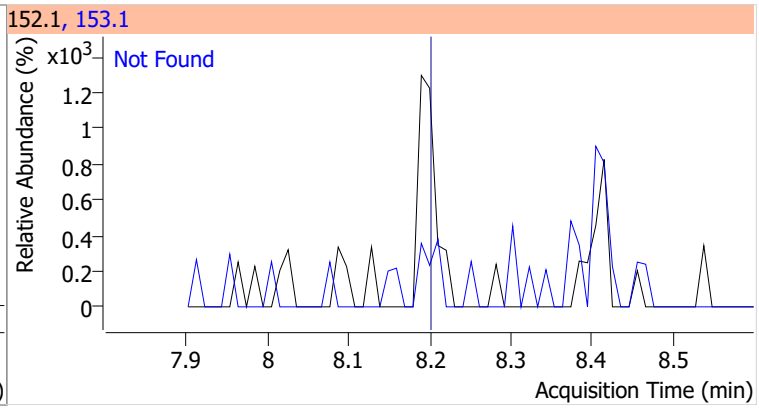
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



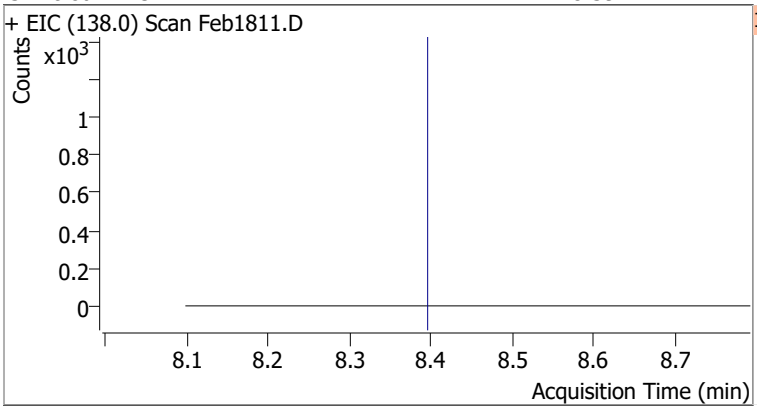


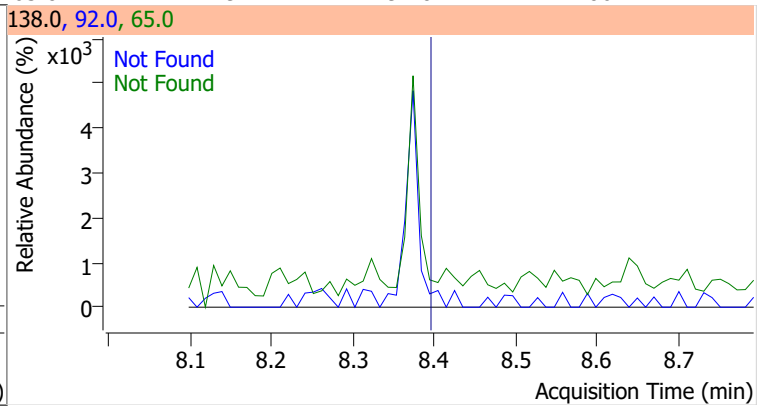
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



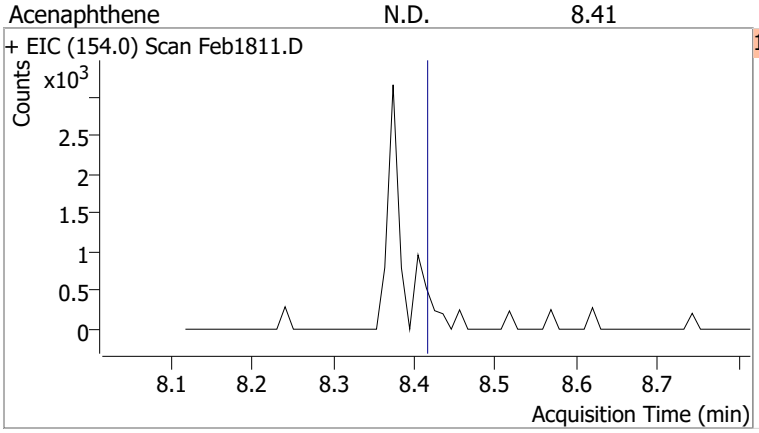


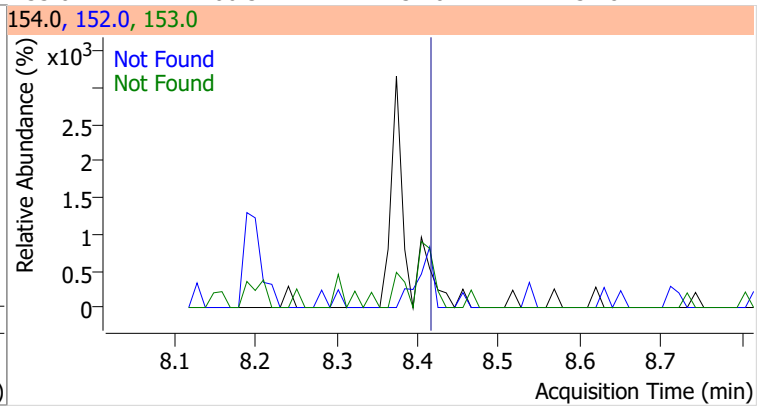
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



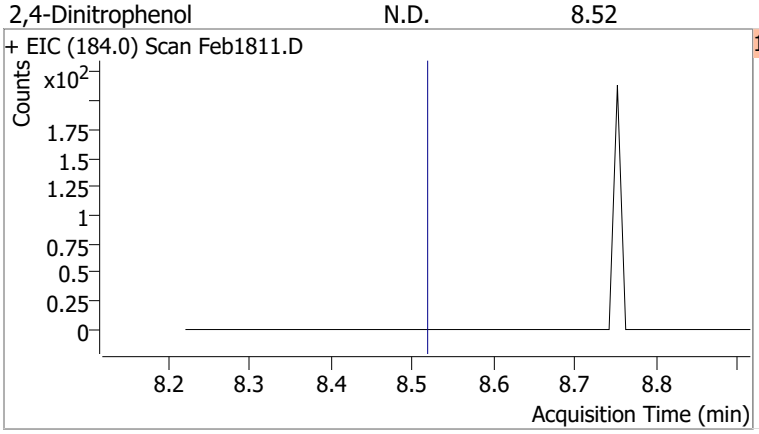


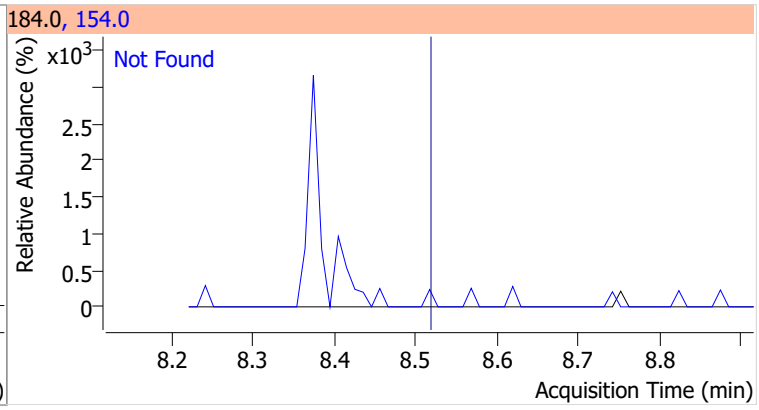
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



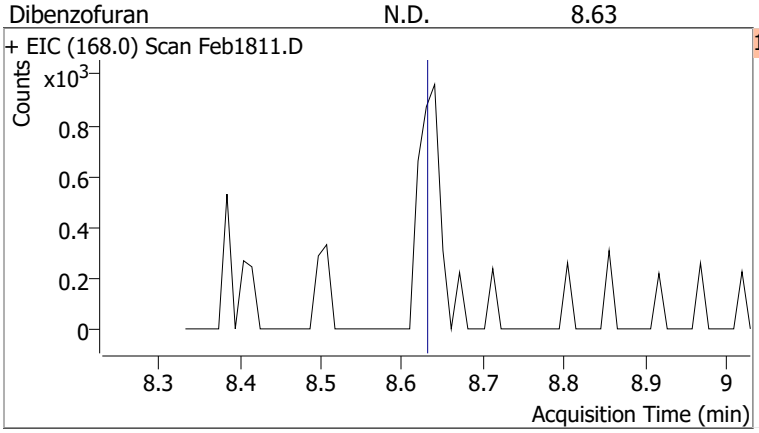


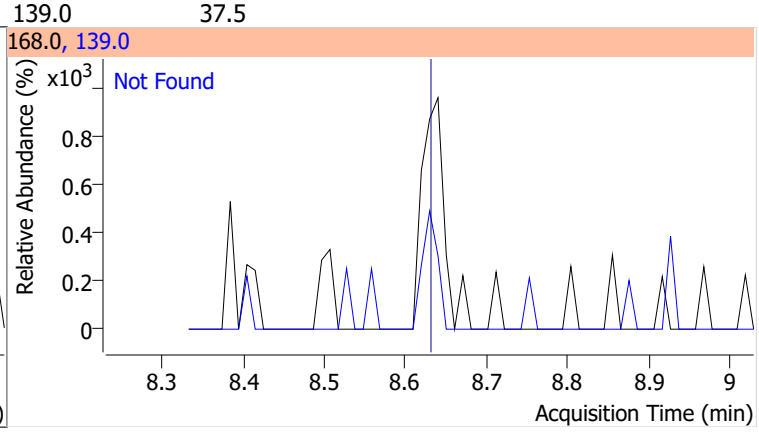
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



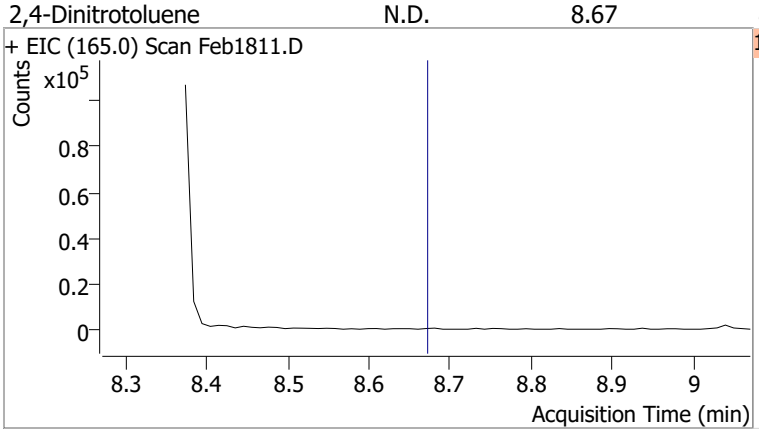


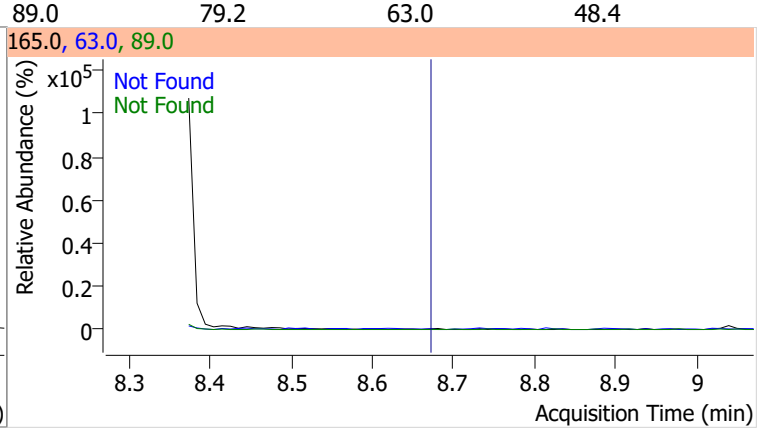
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



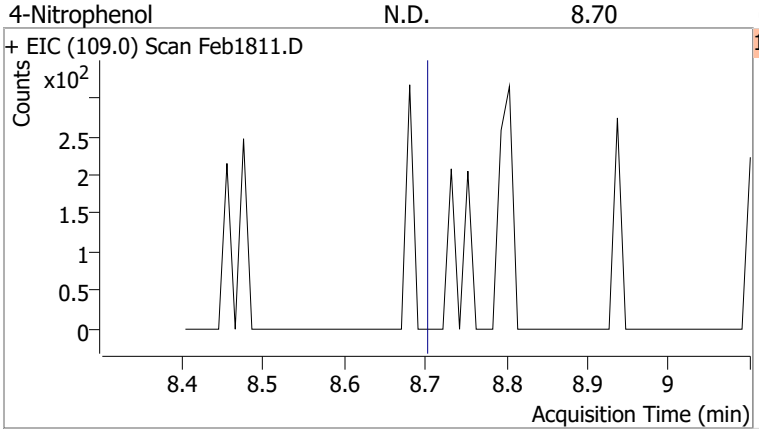


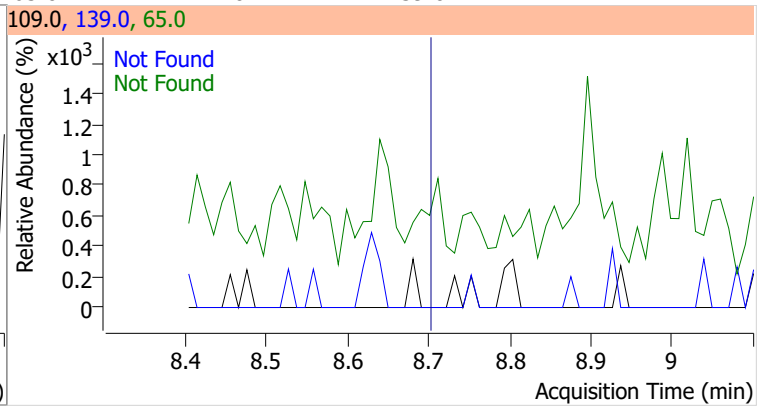
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



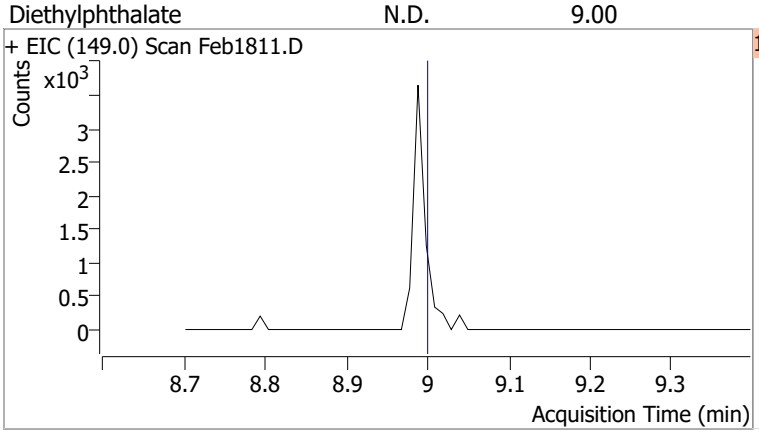


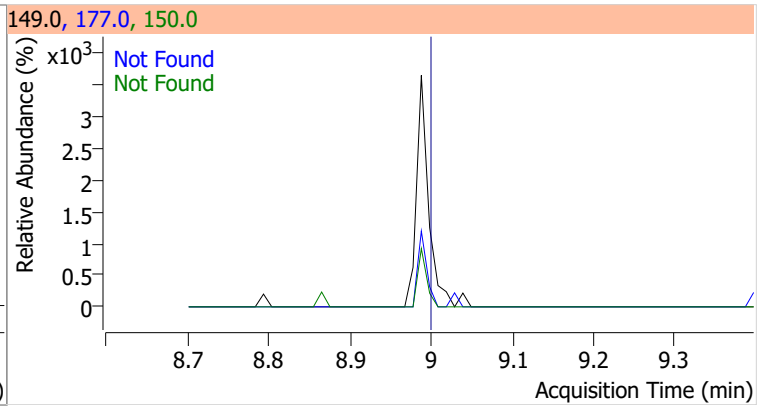
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



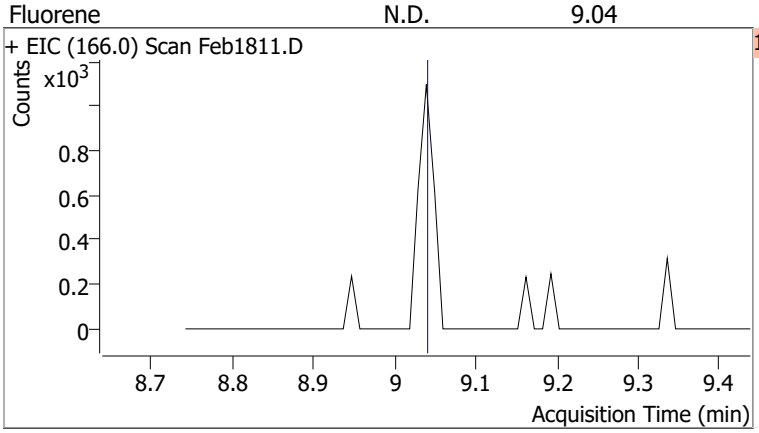


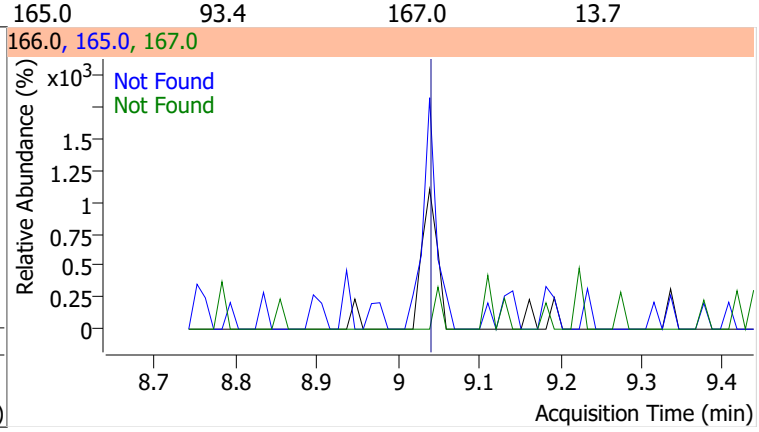
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



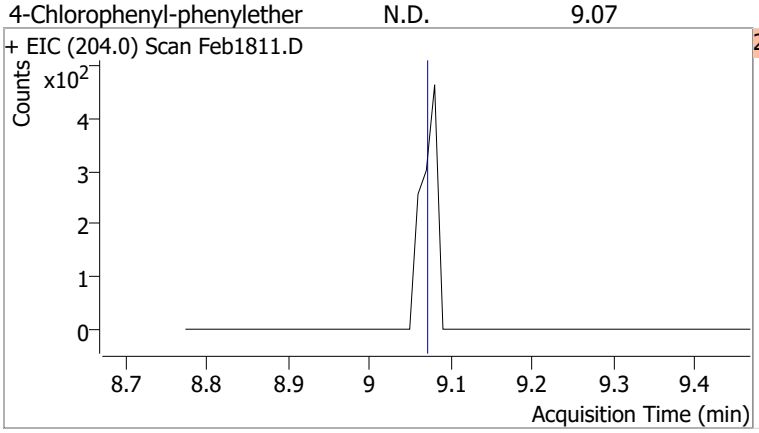


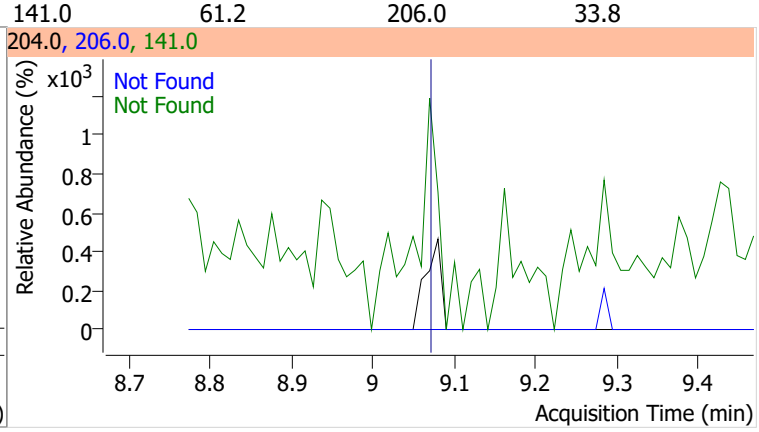
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



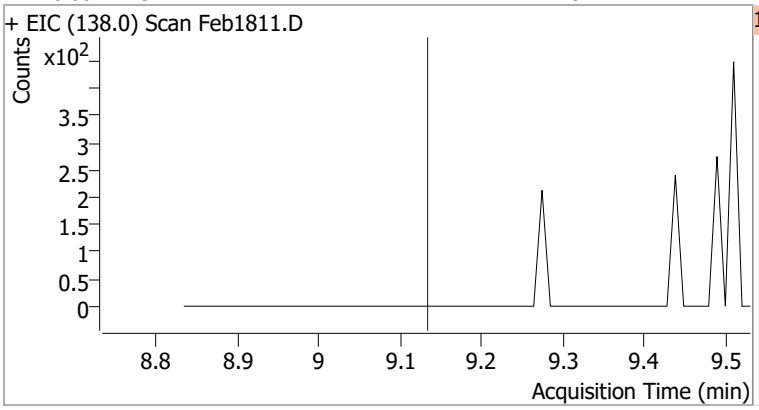


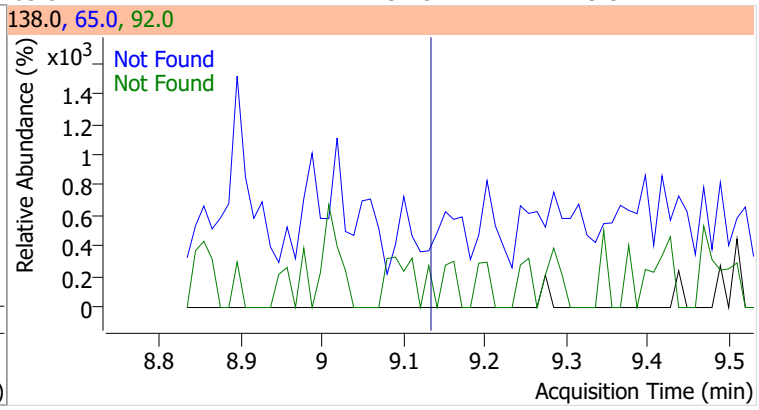
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



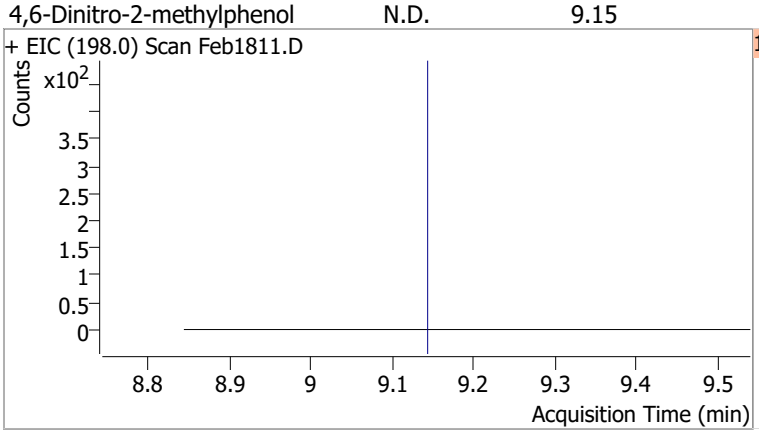


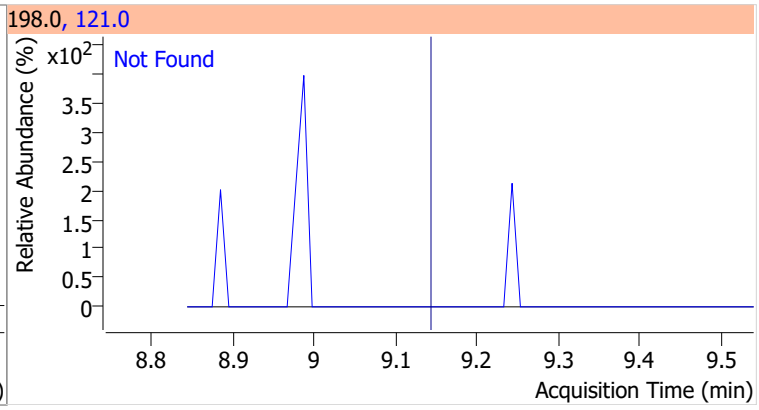
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



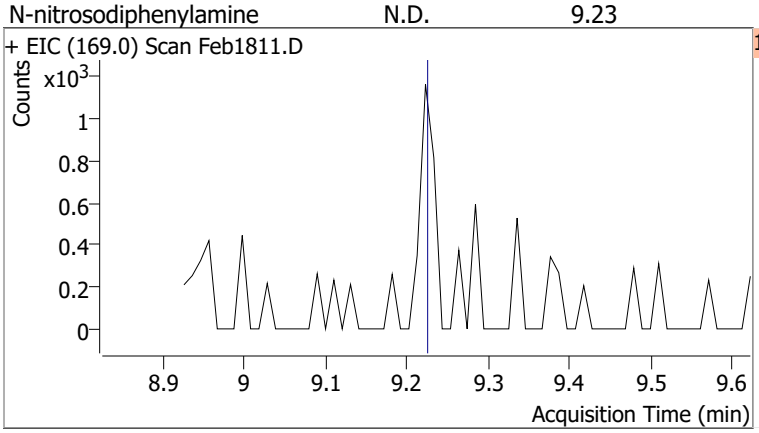


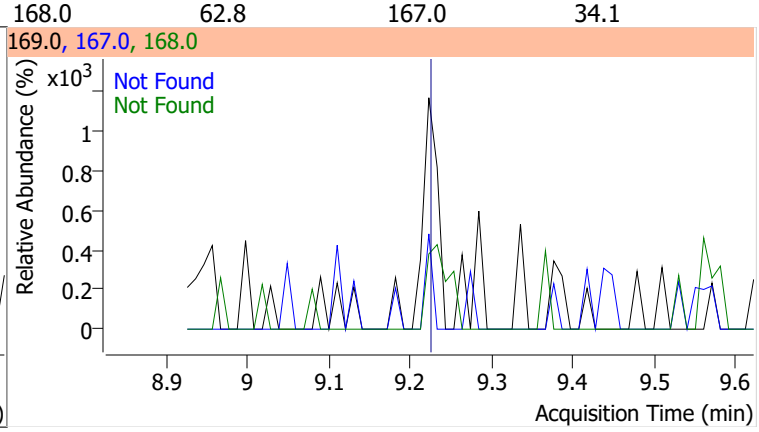
Compound	Conc.	Exp RT	QIon	Exp Ratio
4,6-Dinitro-2-methylphenol	N.D.	9.15	121.0	50.2



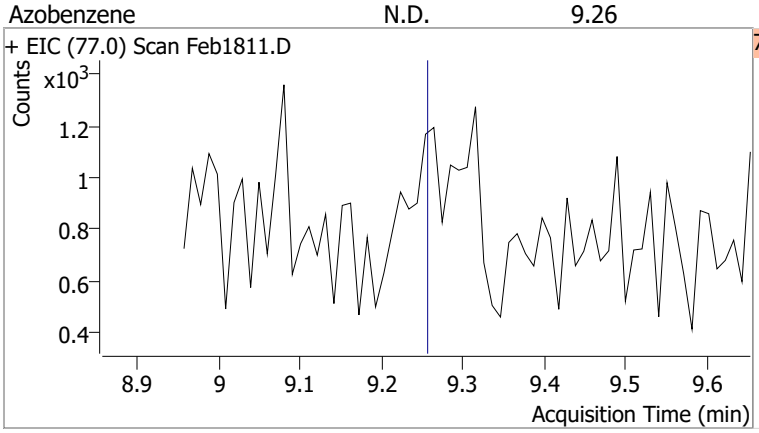


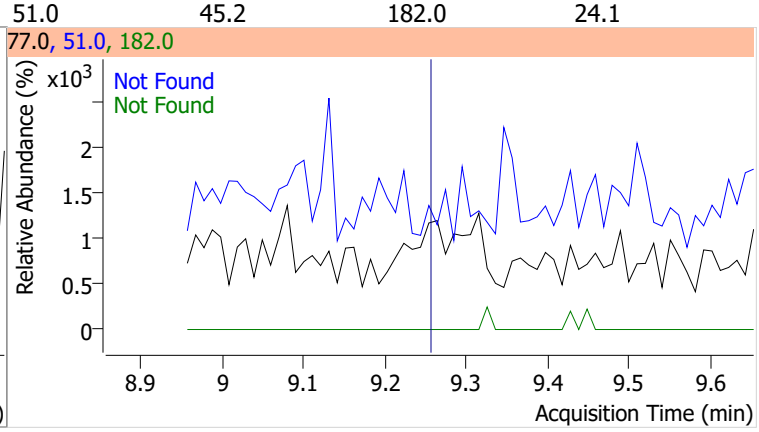
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



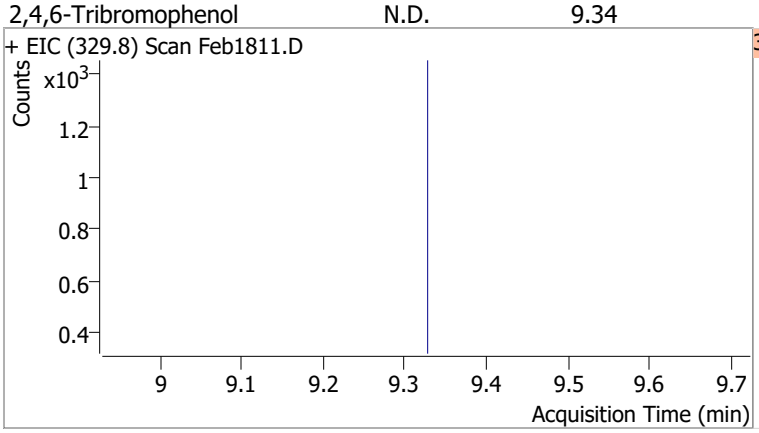


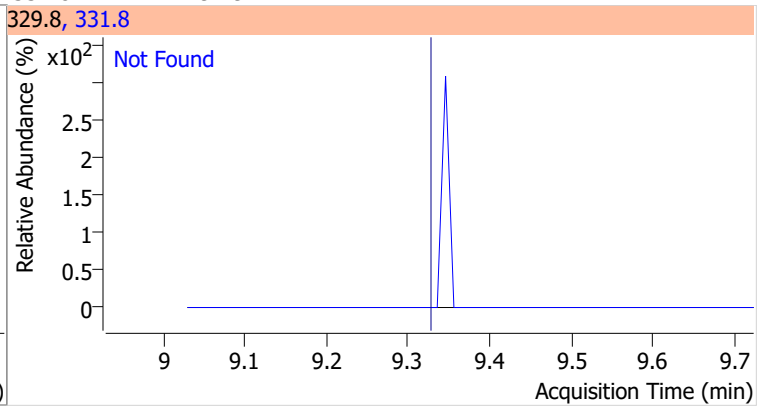
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1



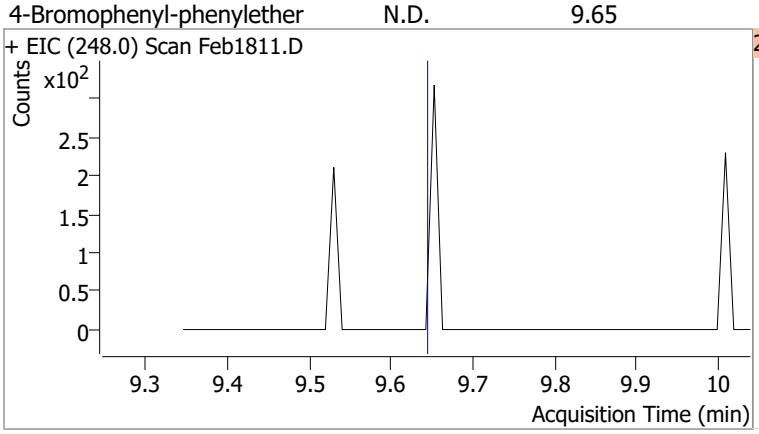


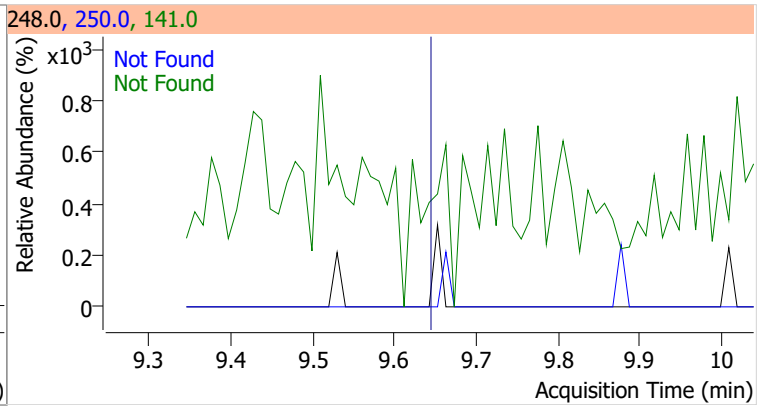
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Tribromophenol	N.D.	9.34	331.8	97.9



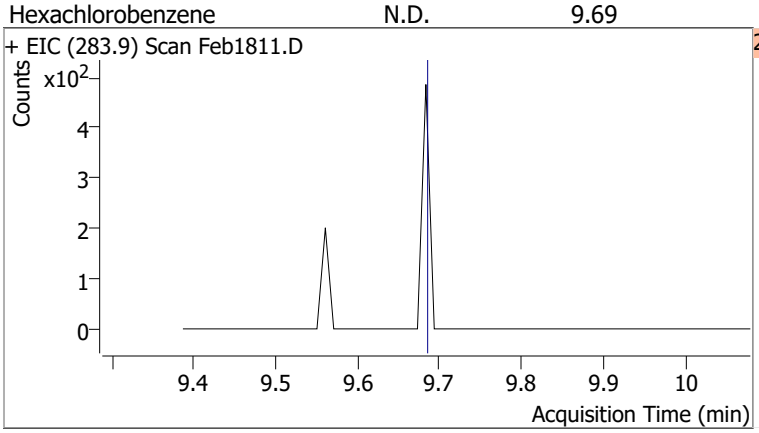


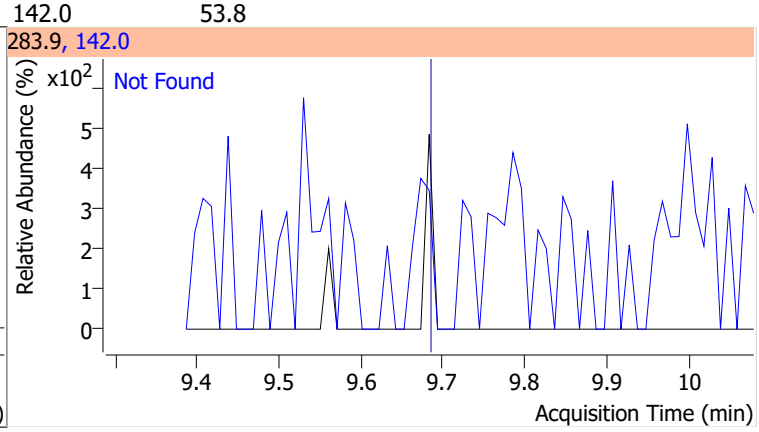
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



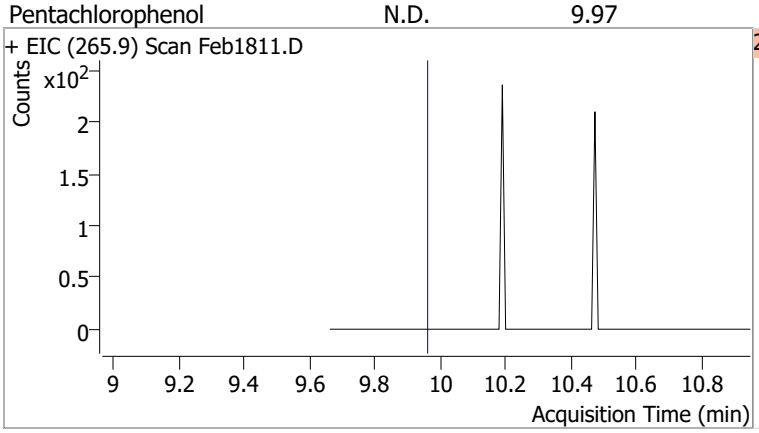


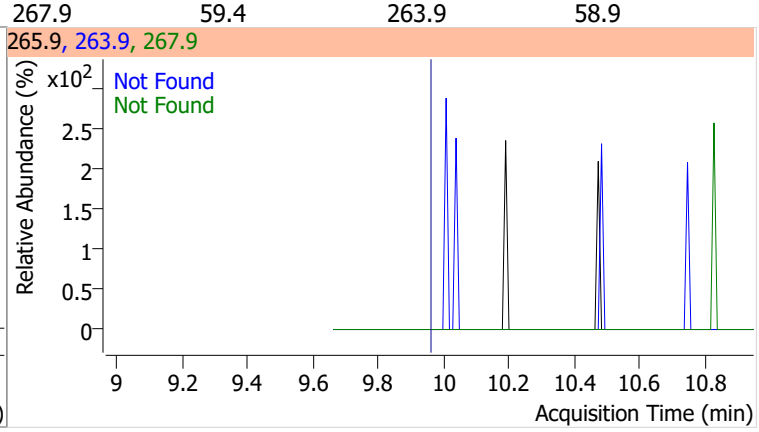
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



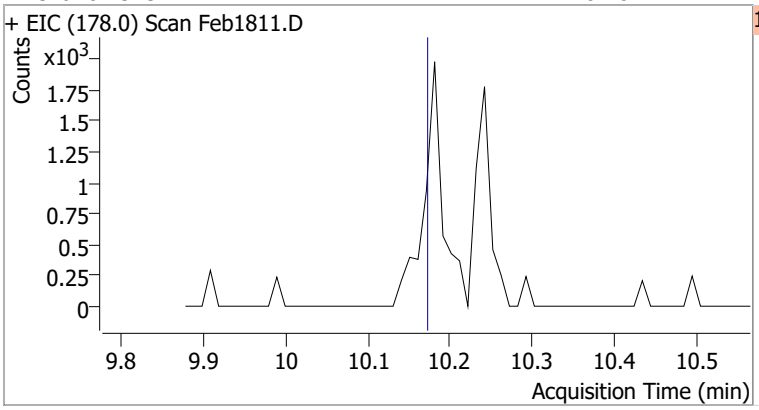


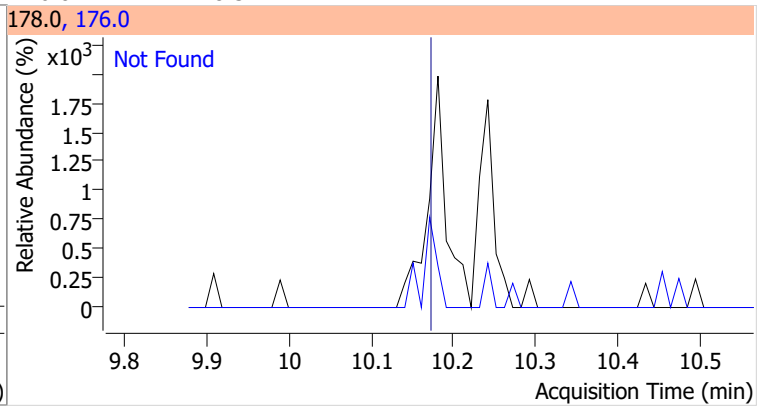
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



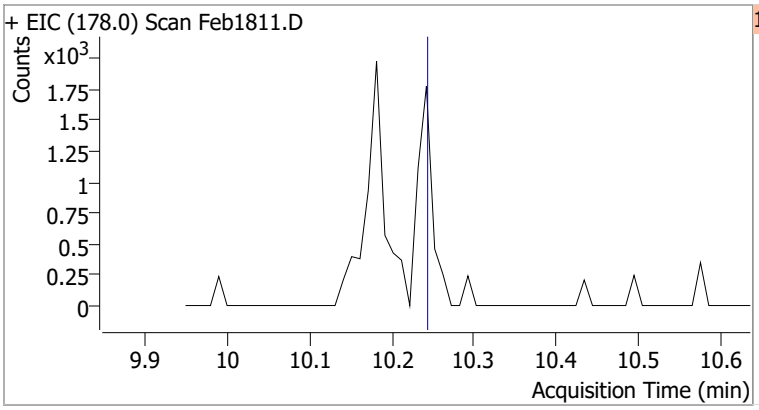


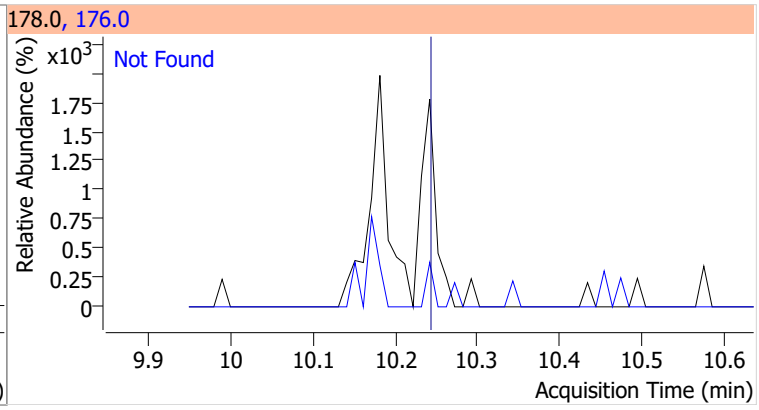
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



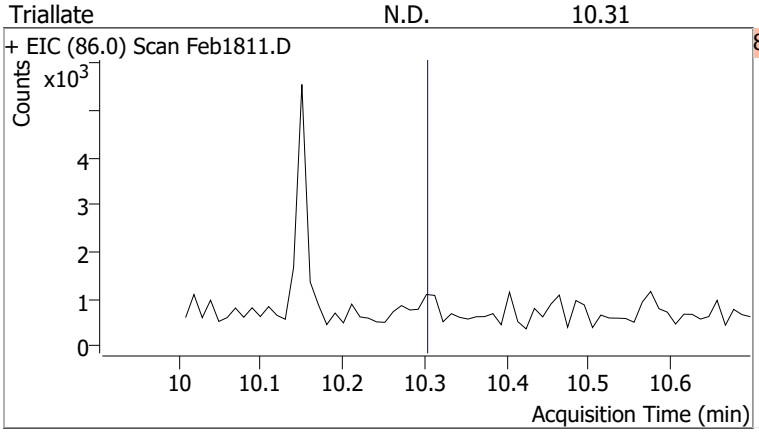


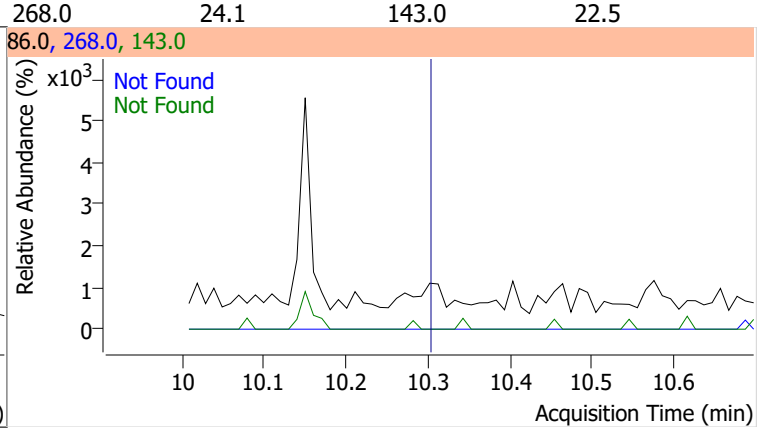
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



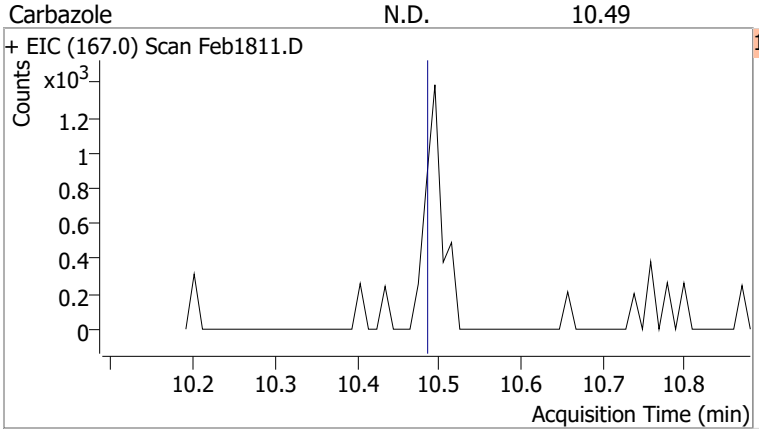


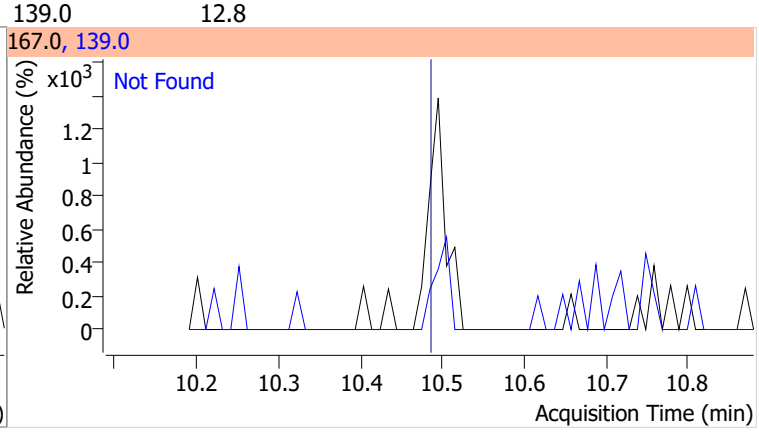
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



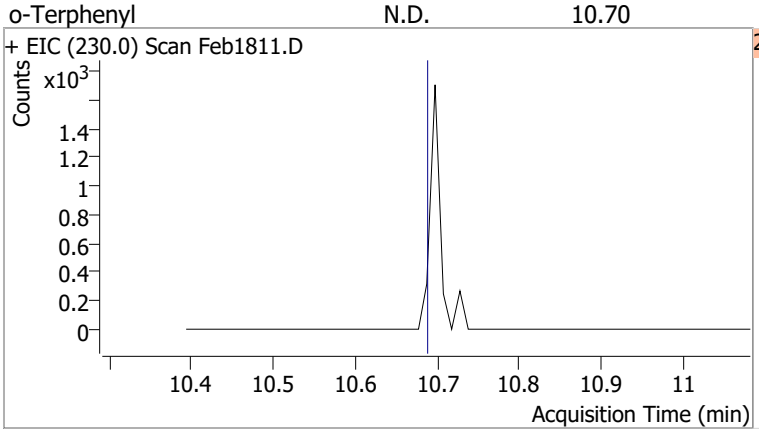


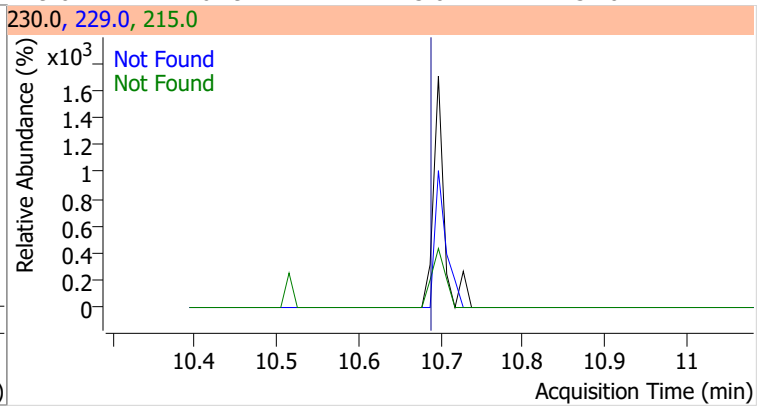
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



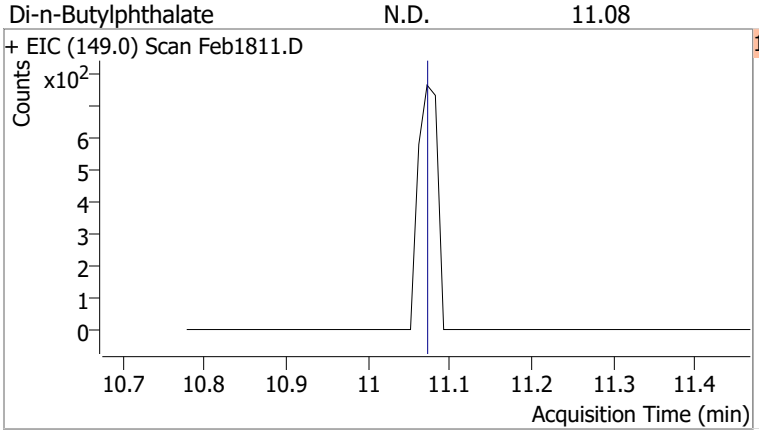


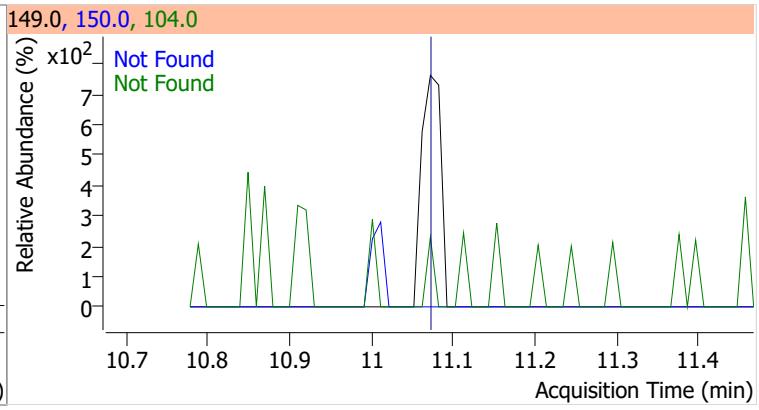
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



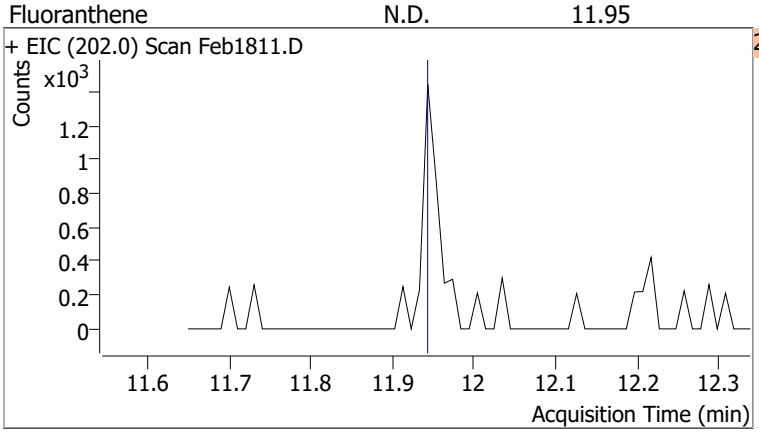


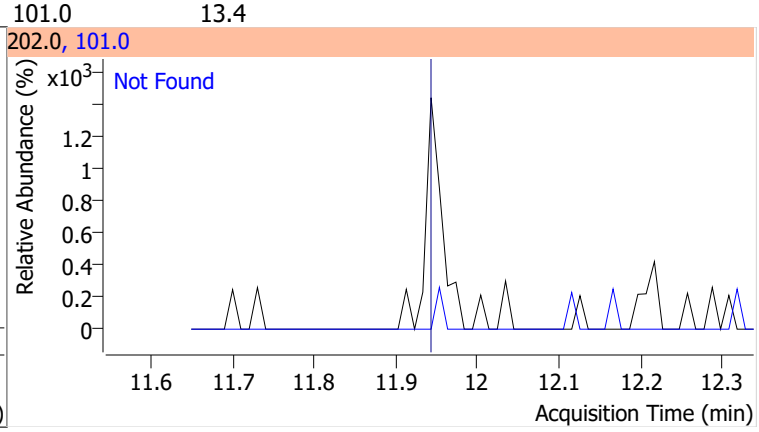
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



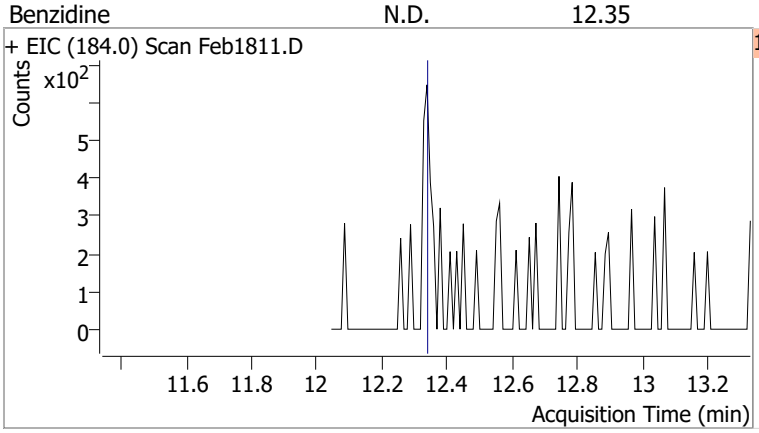


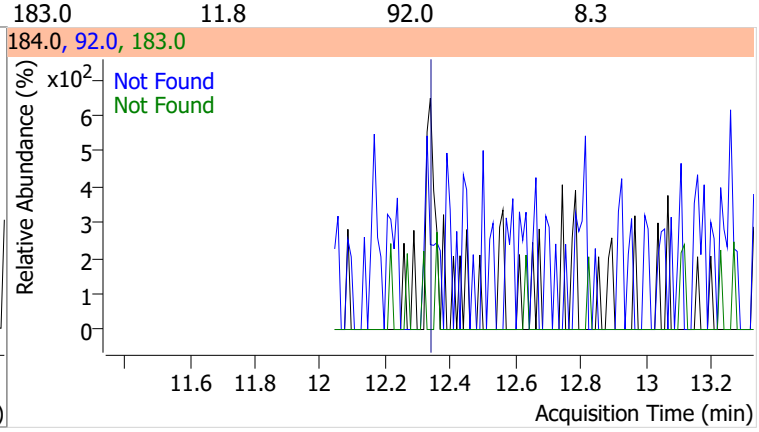
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



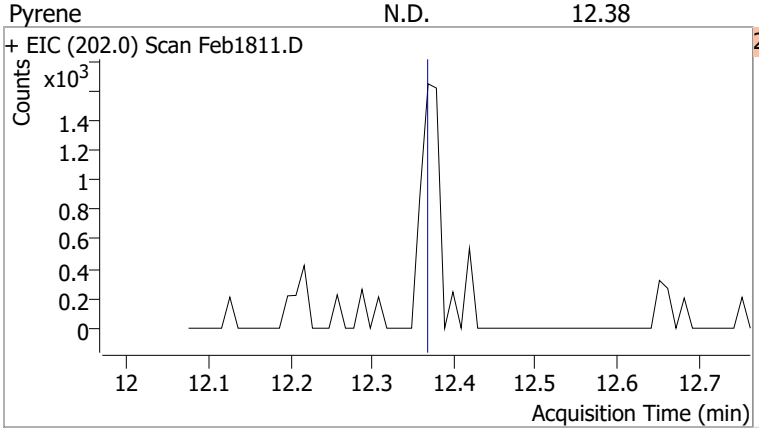


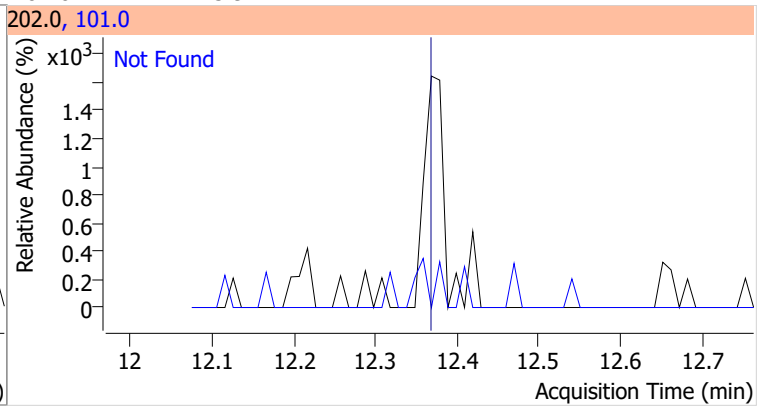
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzidine	N.D.	12.35	183.0	11.8	92.0	8.3



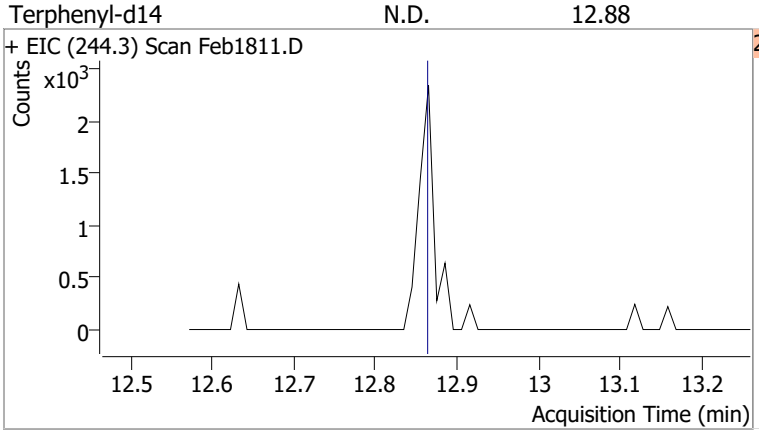


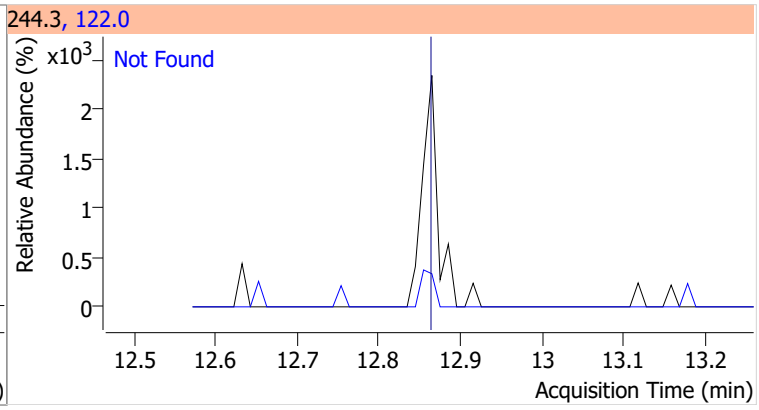
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9



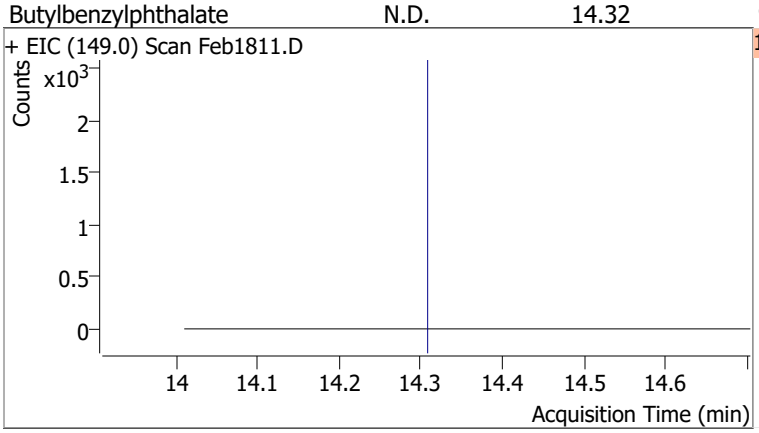


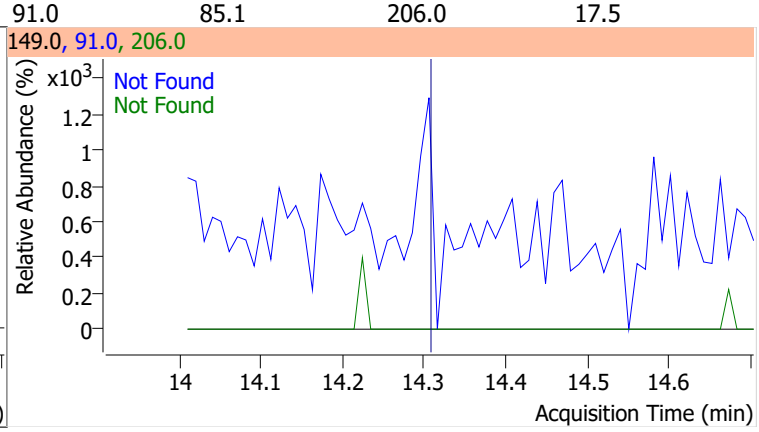
Compound	Conc.	Exp RT	QIon	Exp Ratio
Terphenyl-d14	N.D.	12.88	122.0	14.4



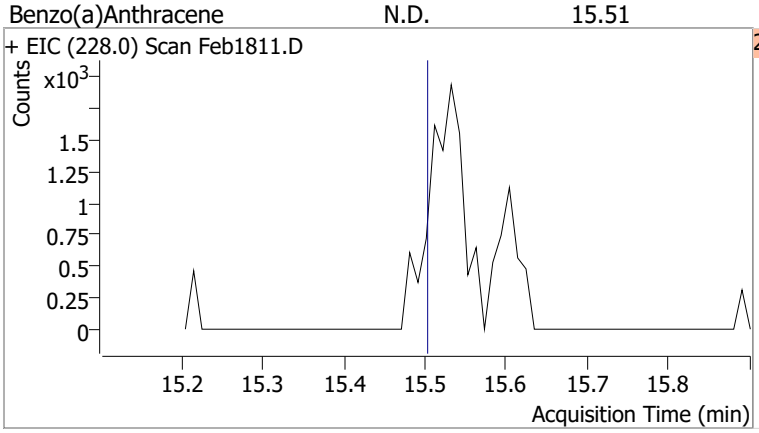


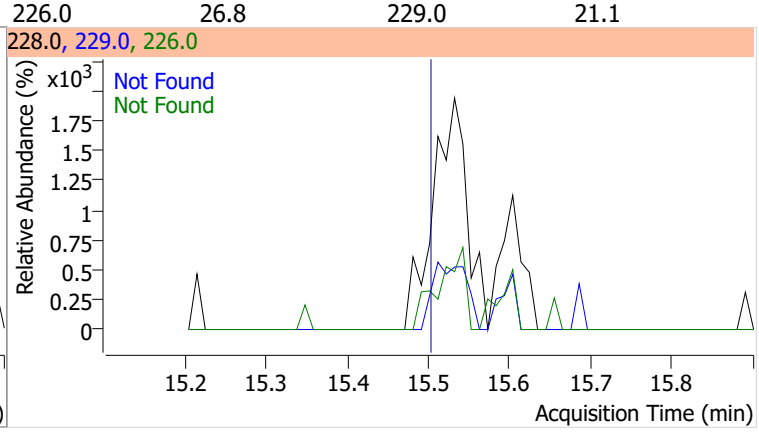
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



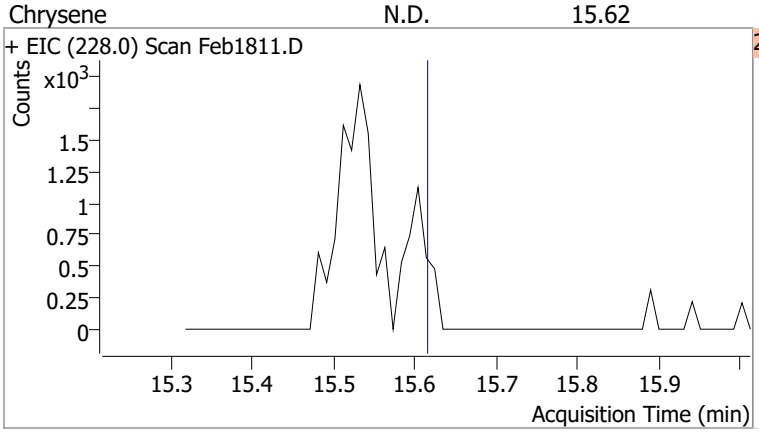


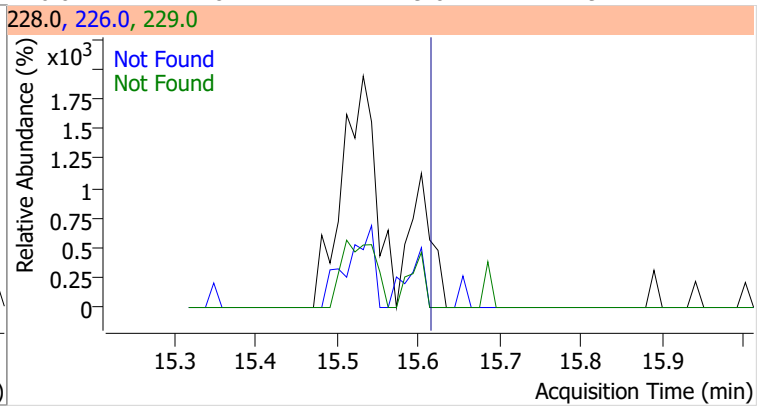
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



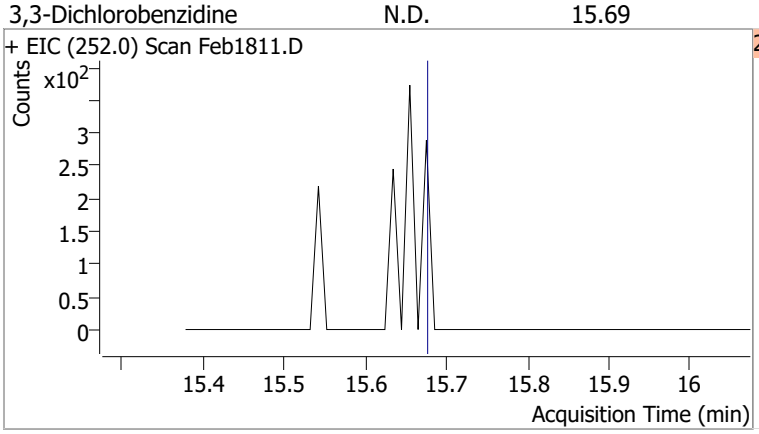


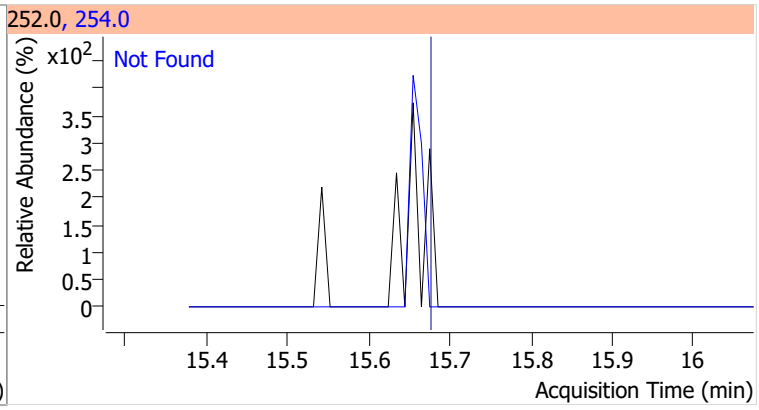
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



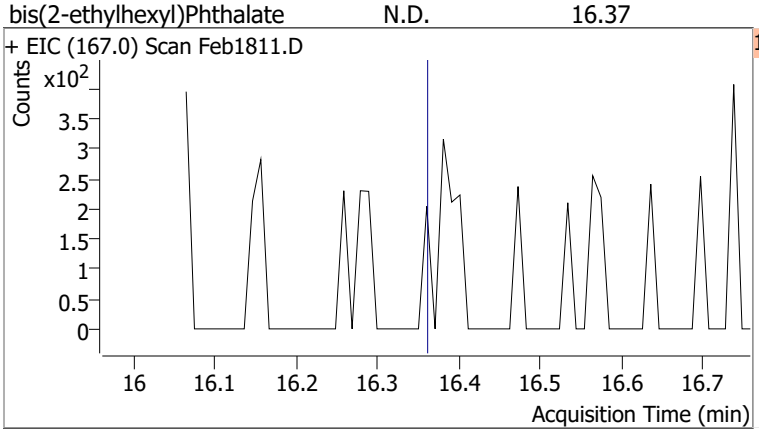


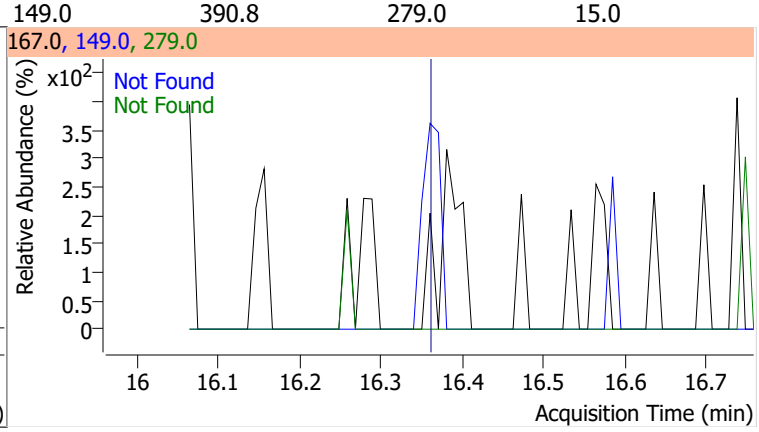
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



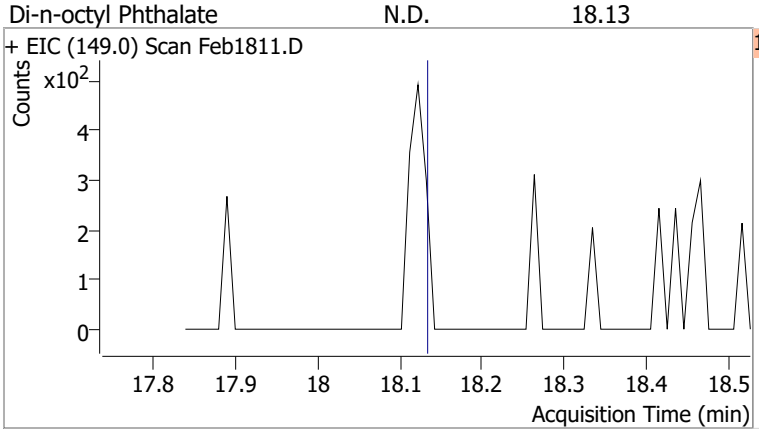


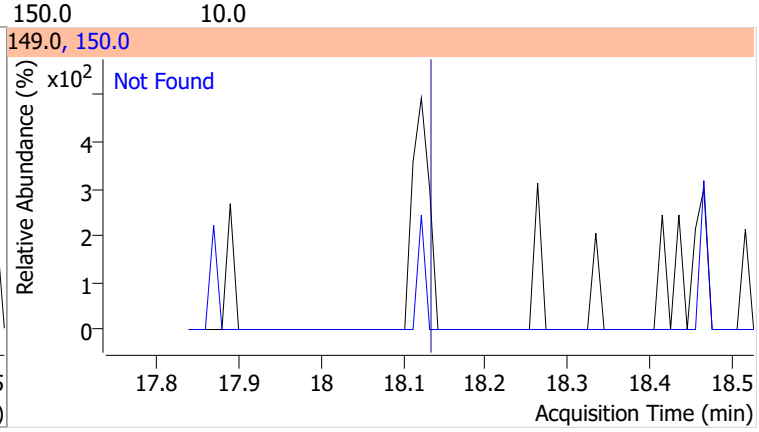
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



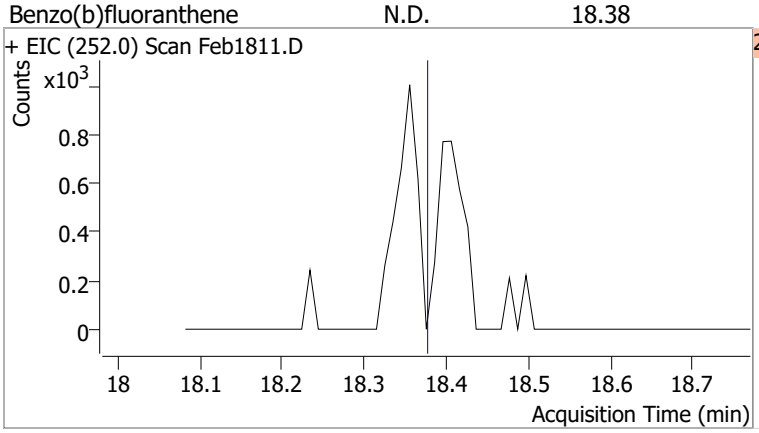


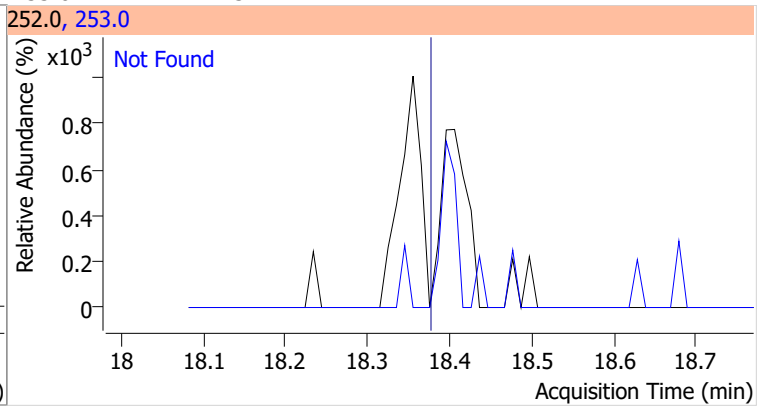
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



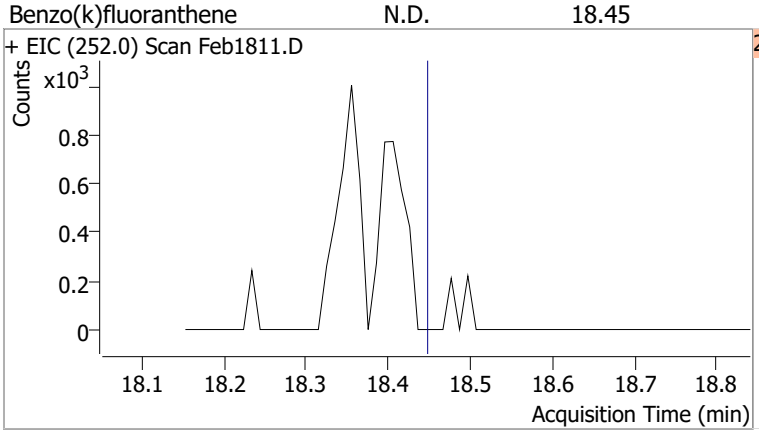


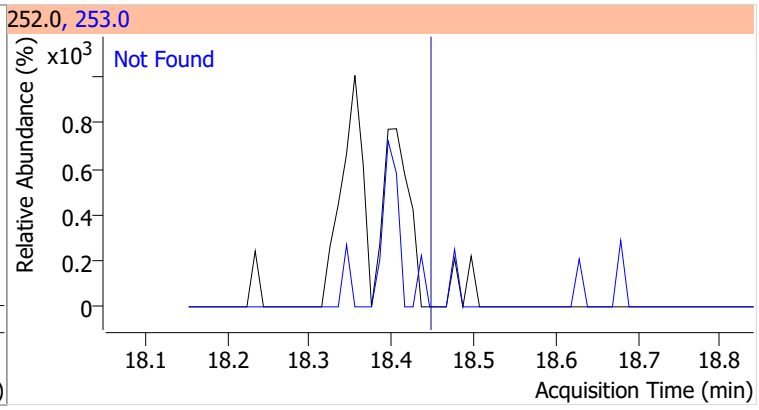
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



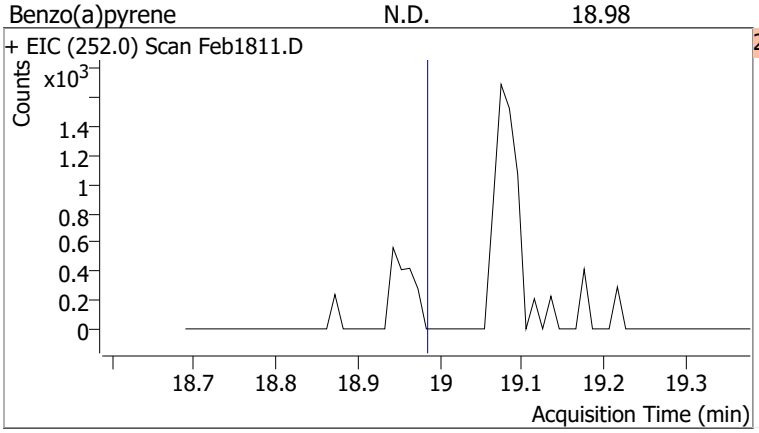


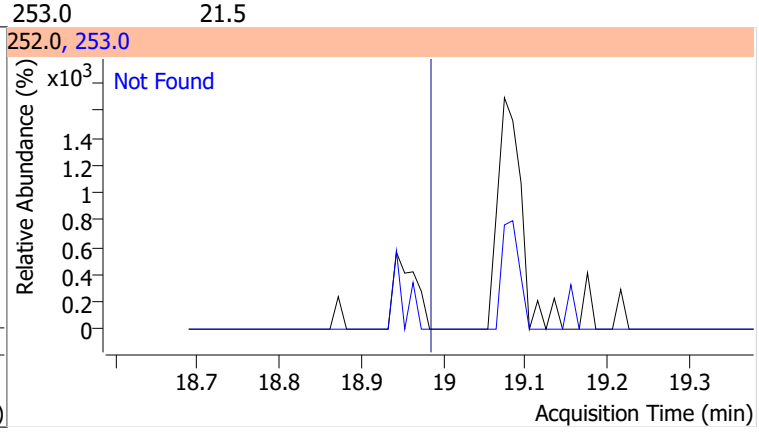
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



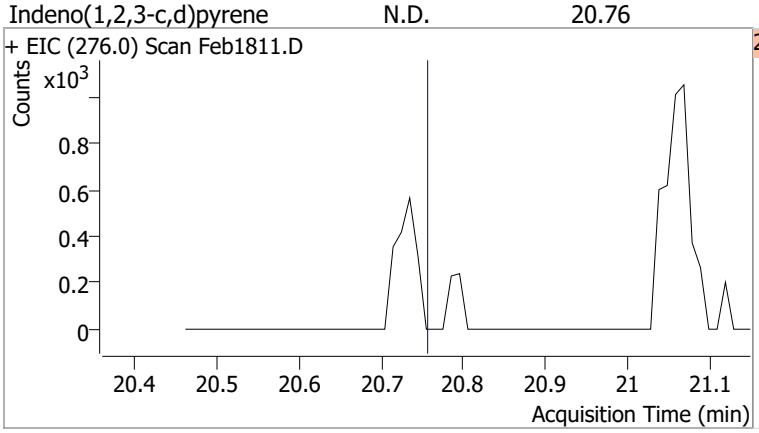


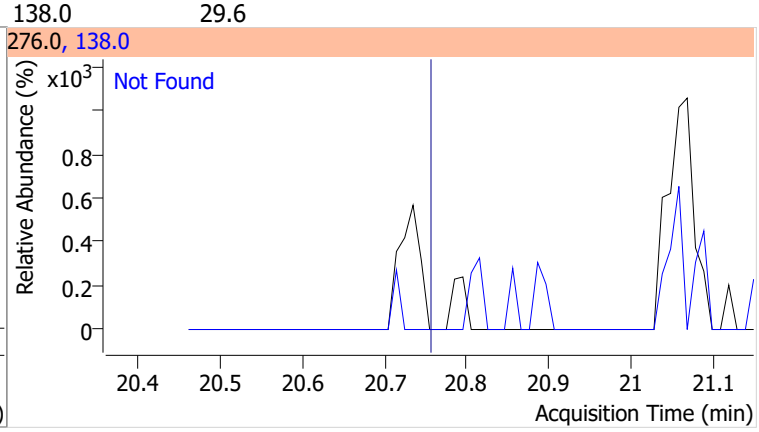
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



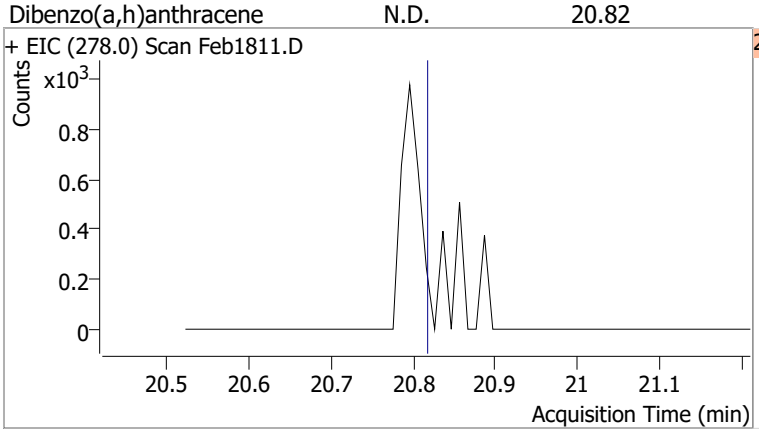


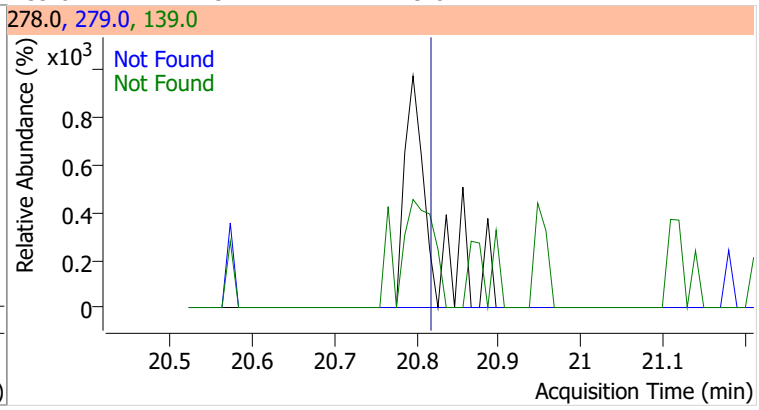
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



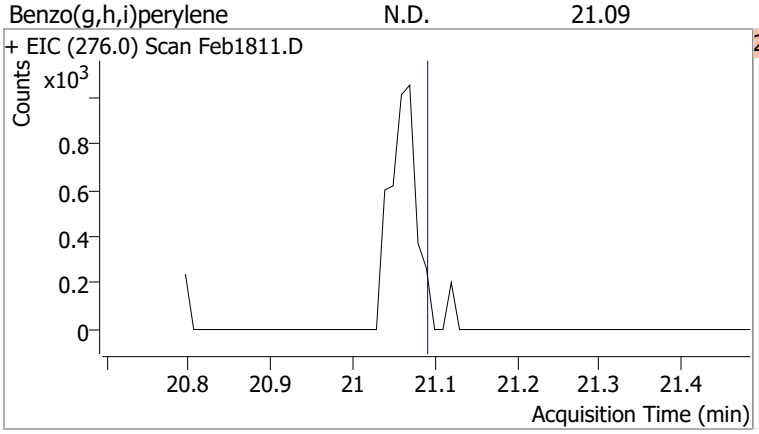


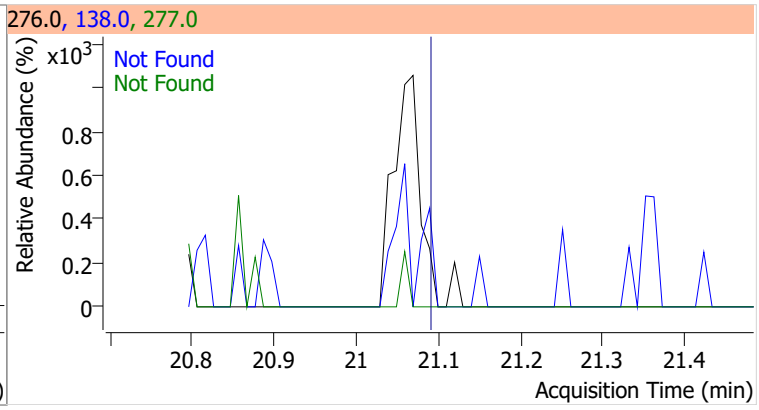
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





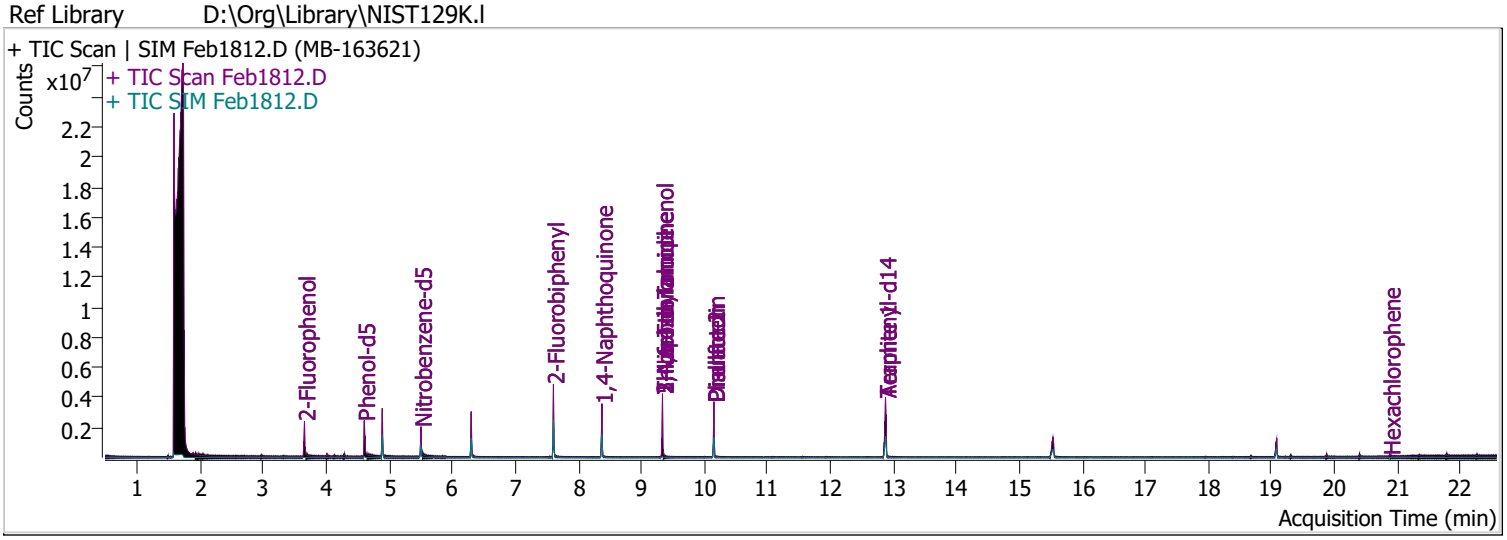
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1812.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 1:56:32 PM
Sample Name	MB-163621	Instrument	Instrument #1
Vial	12	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



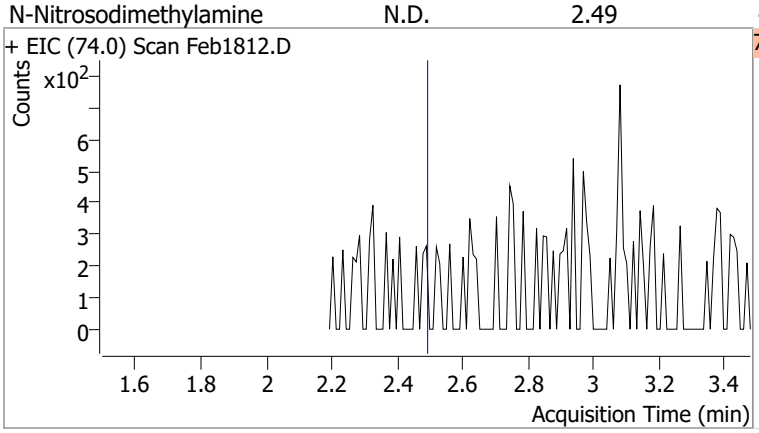
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	746200	67.9329	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 33.97%			
S Phenol-d5	4.603	99.0	951261	66.9083	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 33.45%			
S Nitrobenzene-d5	5.502	82.0	485840	61.7579	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 61.76%			
S 2-Fluorobiphenyl	7.605	172.0	1382362	62.2096	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 62.21%			
S 2,4,6-Tribromophenol	9.336	329.8	321583	157.2199	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 78.61%			
S Terphenyl-d14	12.875	244.3	2209315	102.2438	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 102.24%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	4.889	63.0	0		µg/L	md	1
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

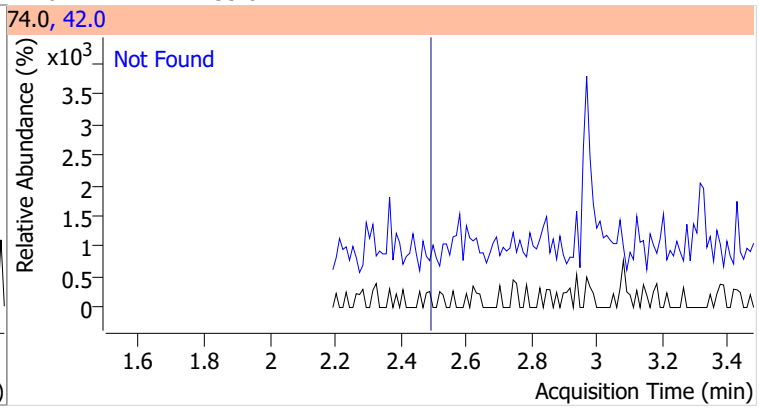
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	6.301	130.0	0		µg/L	md	1
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

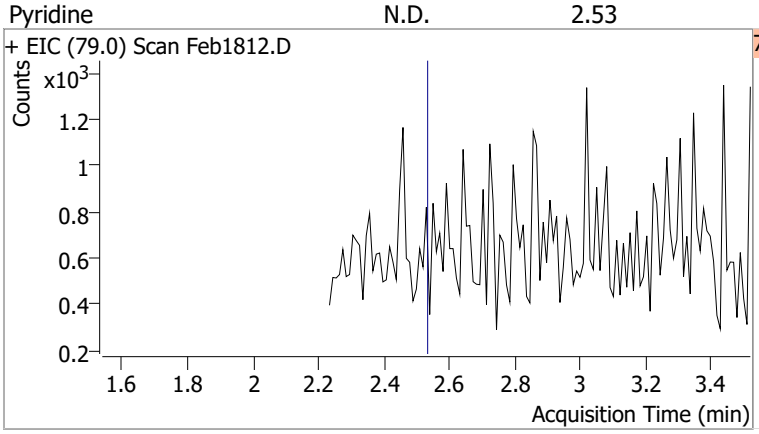
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

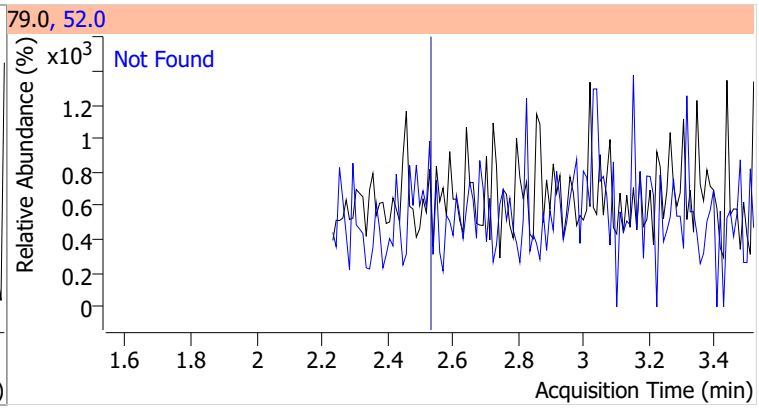
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



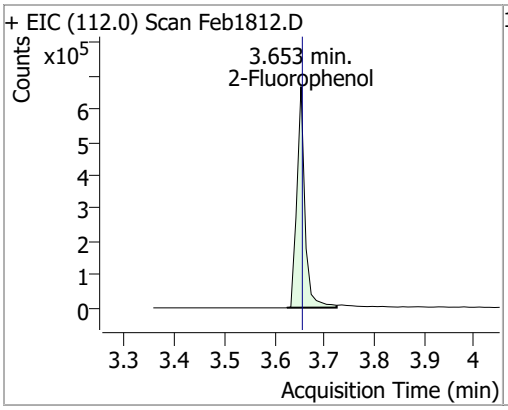


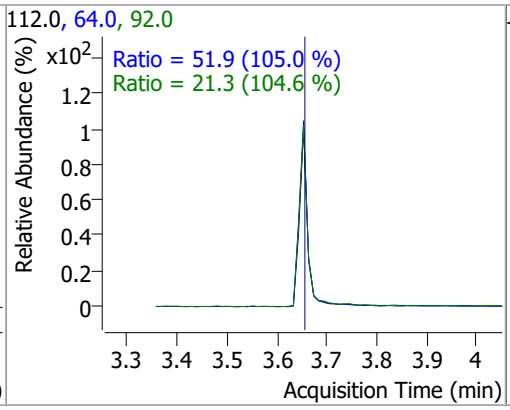
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

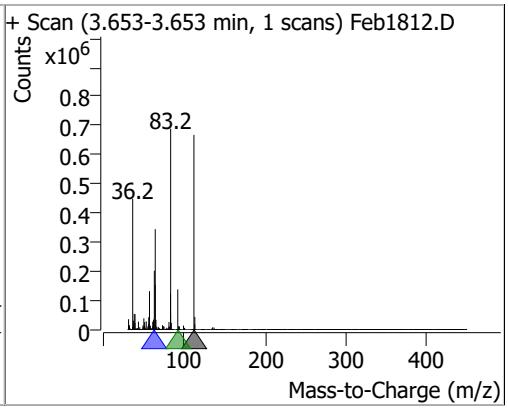




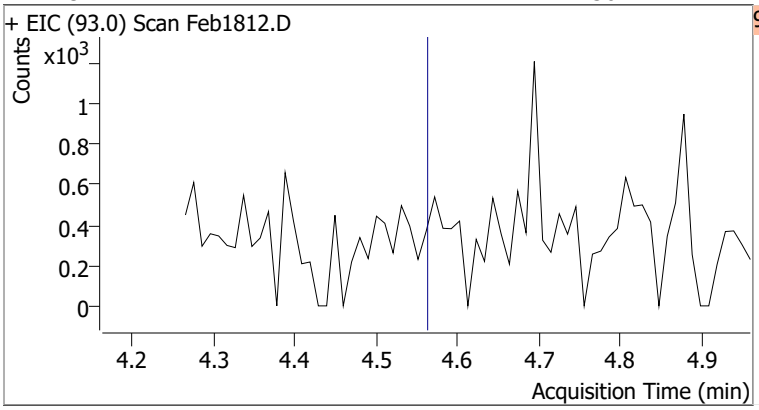
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	67.9329	3.65	0.00	746200	64.0	51.9	34.6	64.3
					92.0	21.3	14.2	26.5

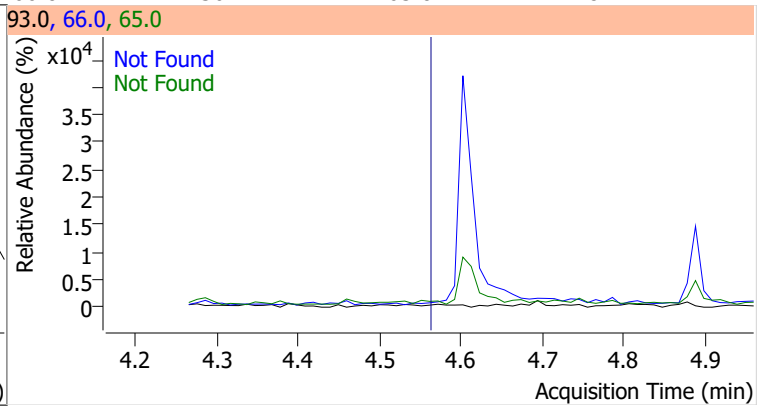




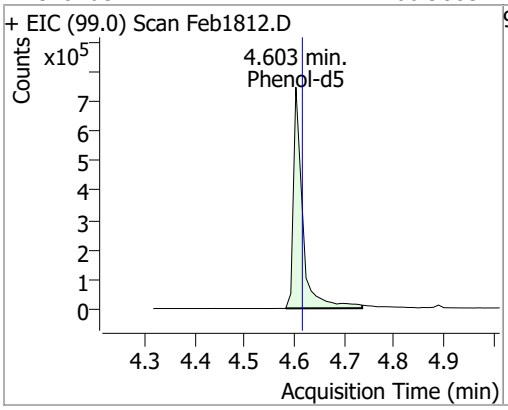


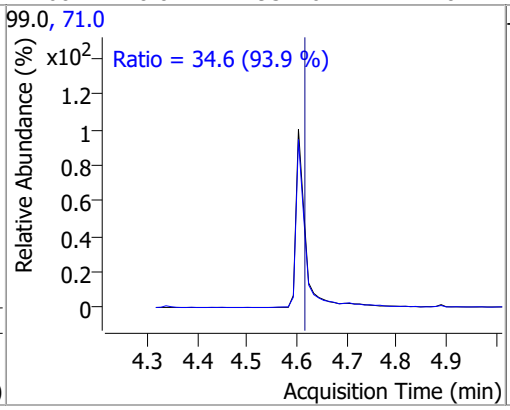
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

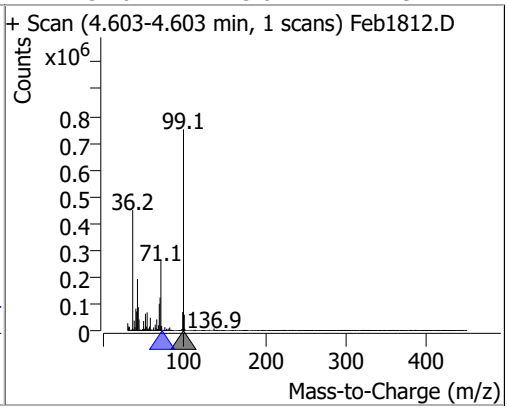




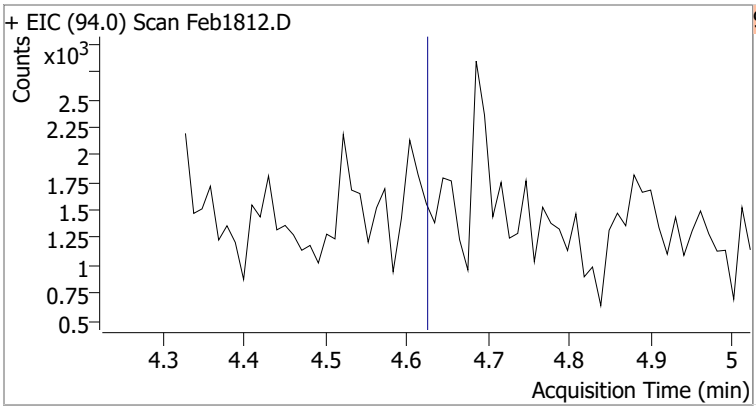
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	66.9083	4.60	-0.01	951261	71.0	34.6	25.8	47.9

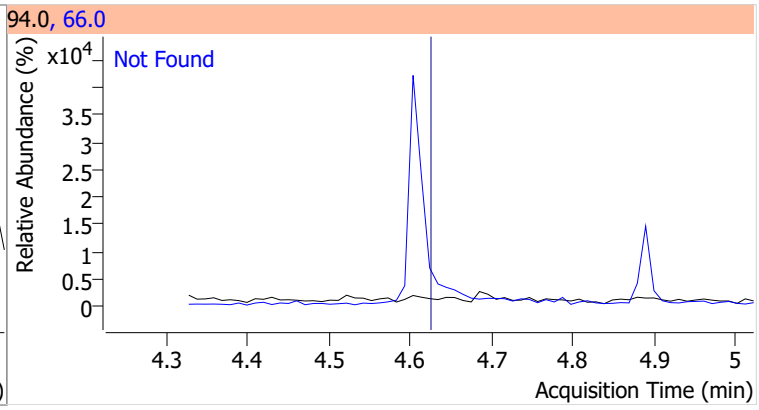




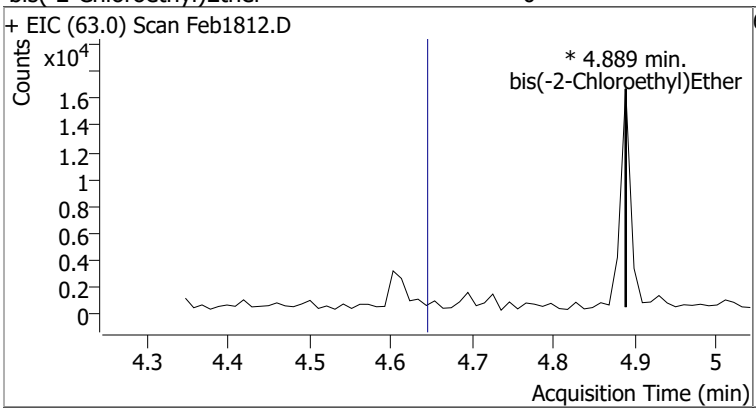


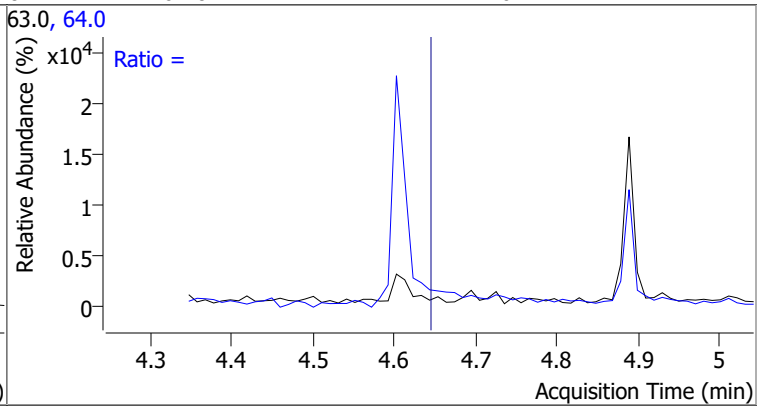
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



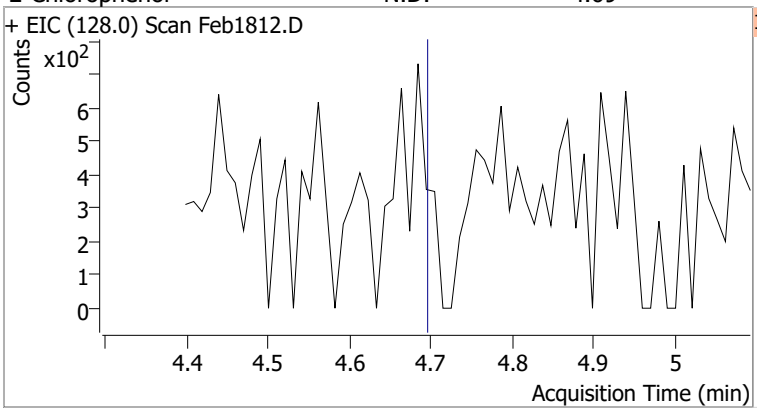


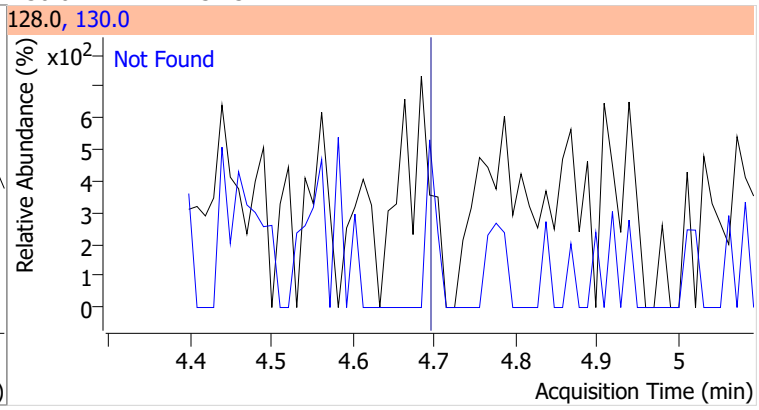
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether		0		0	64.0		7.6	14.1



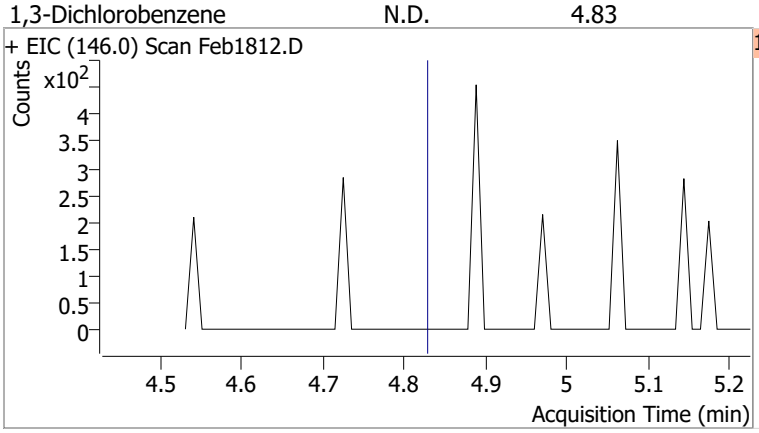


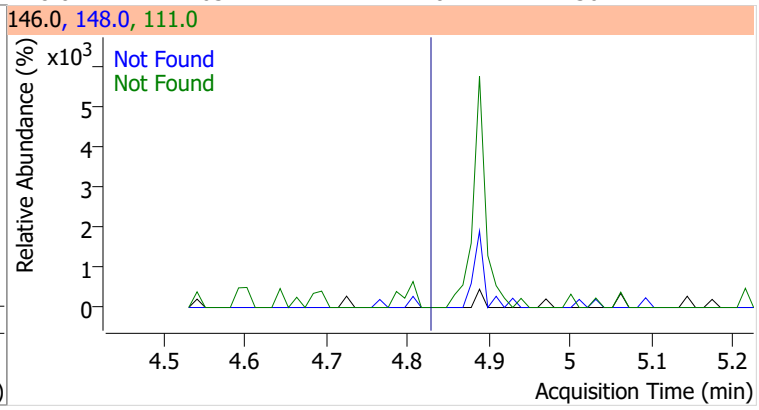
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



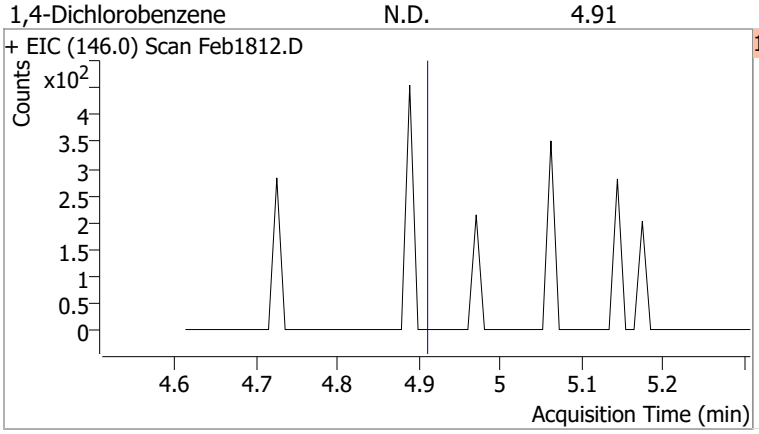


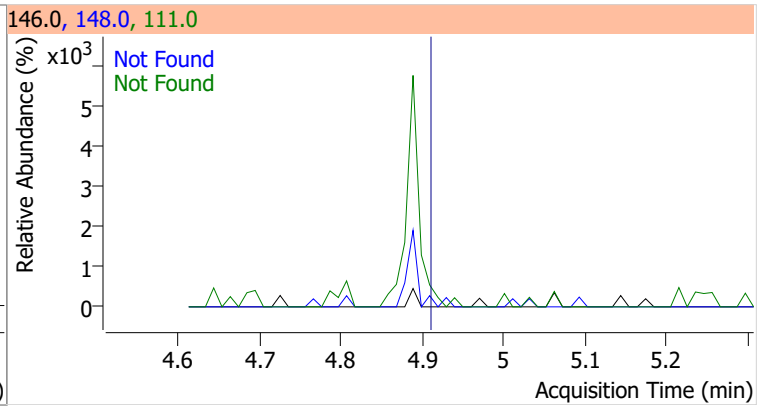
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



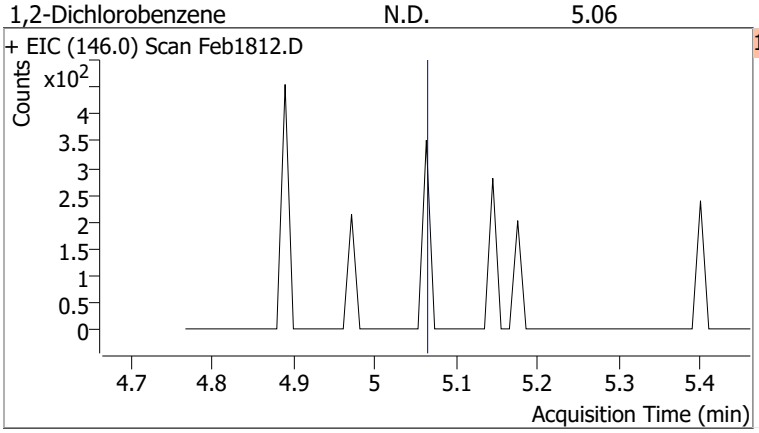


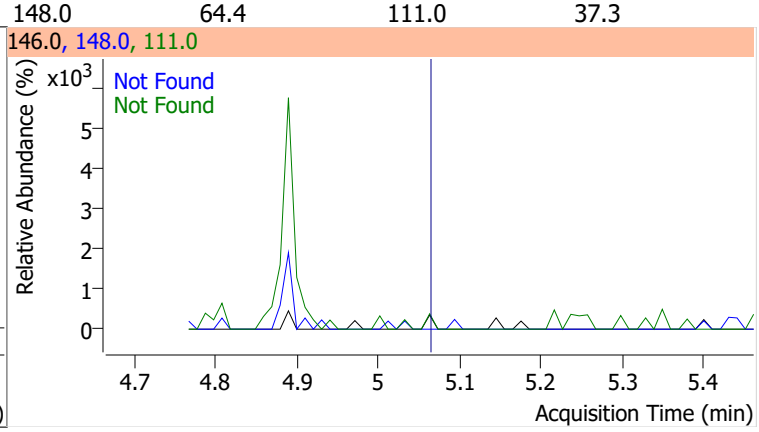
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



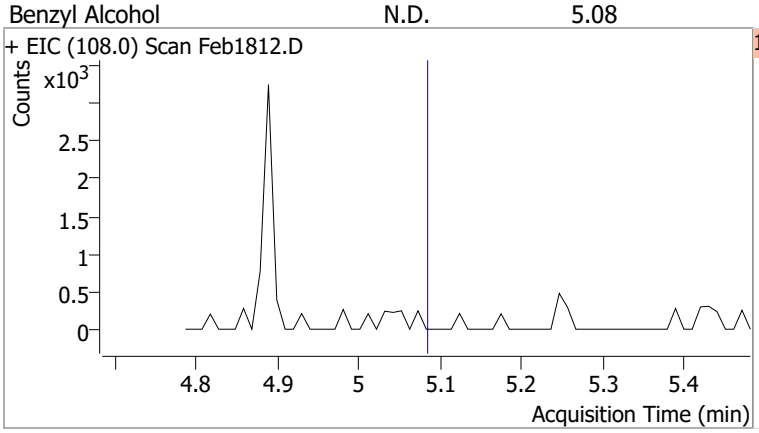


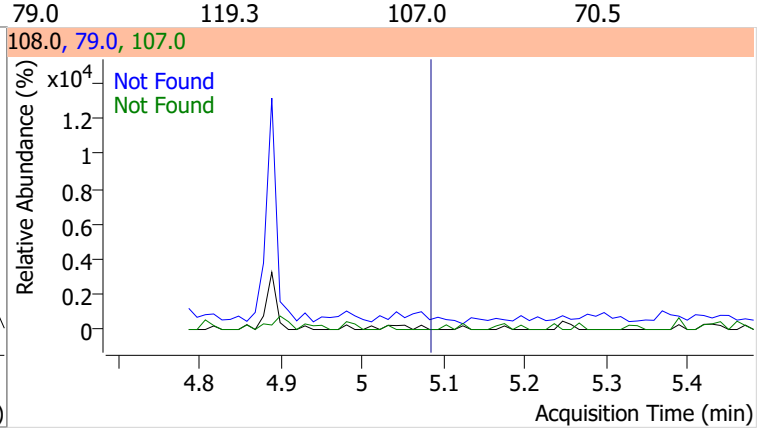
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



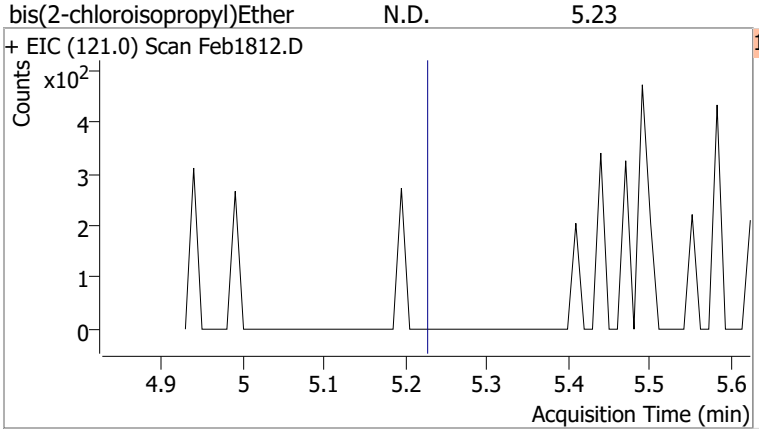


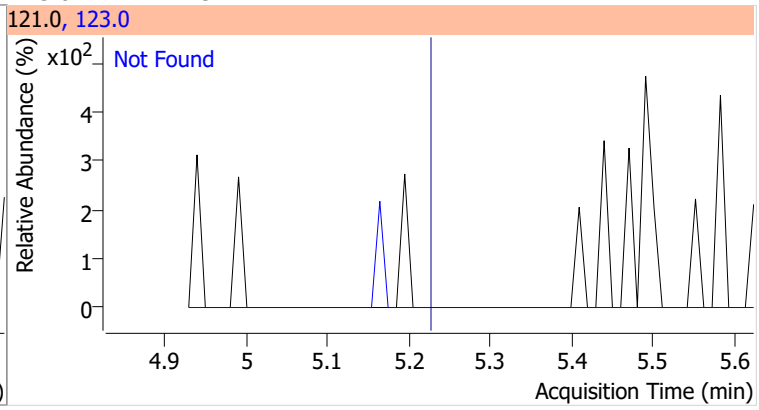
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



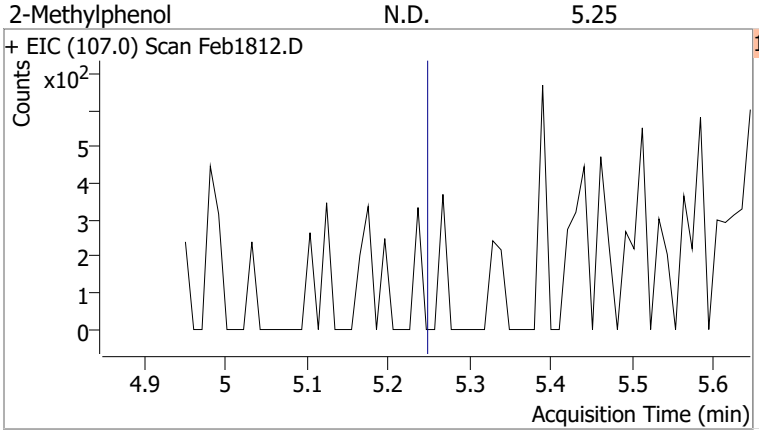


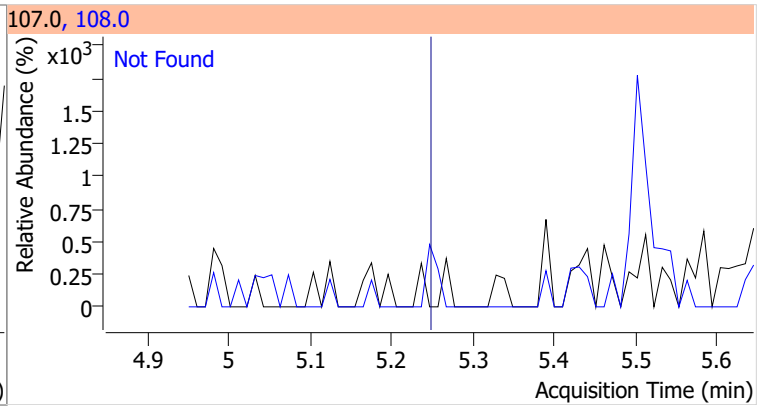
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



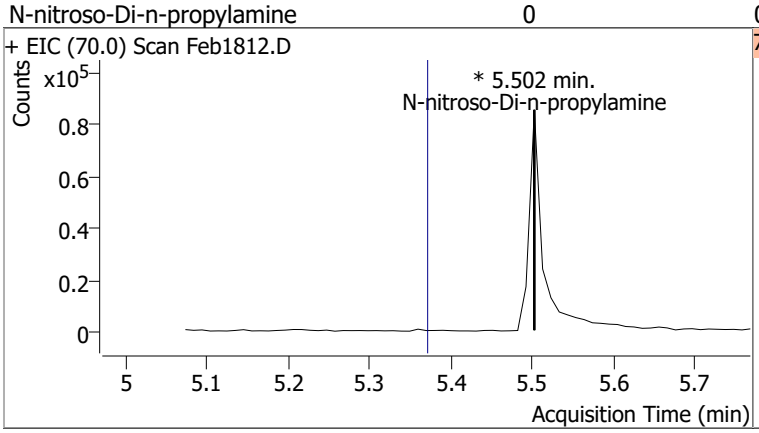


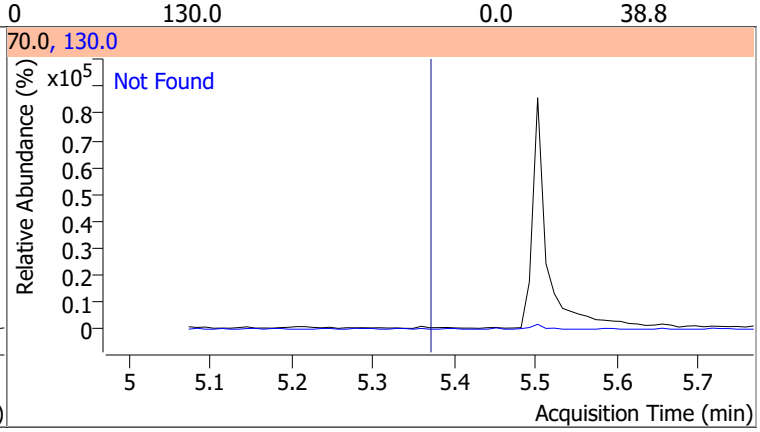
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



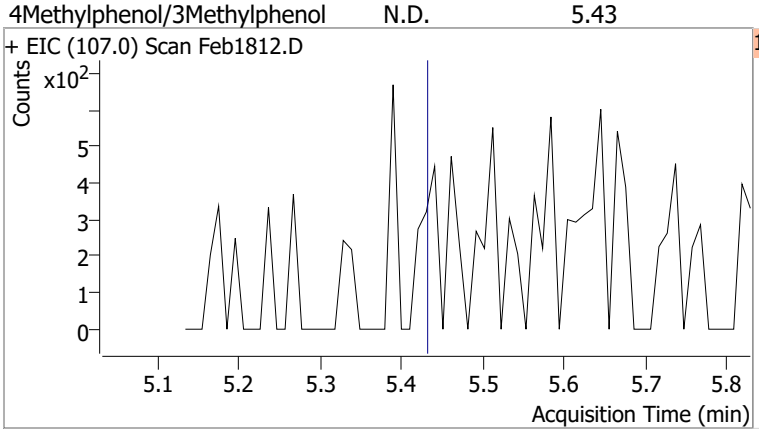


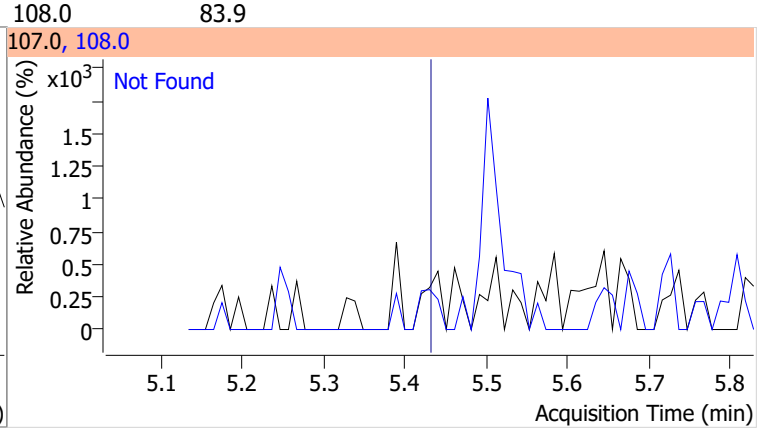
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



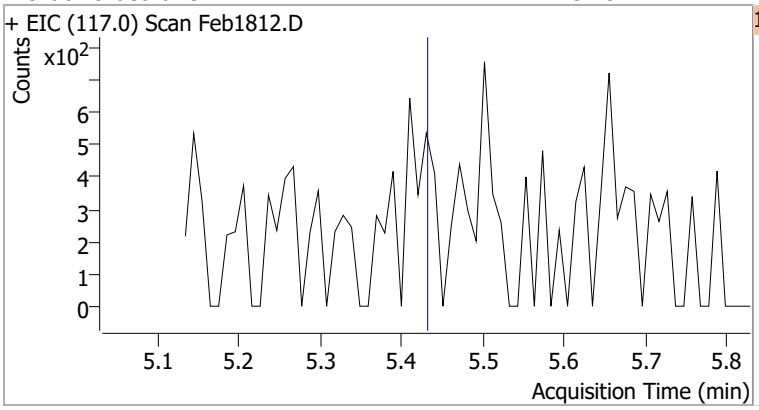


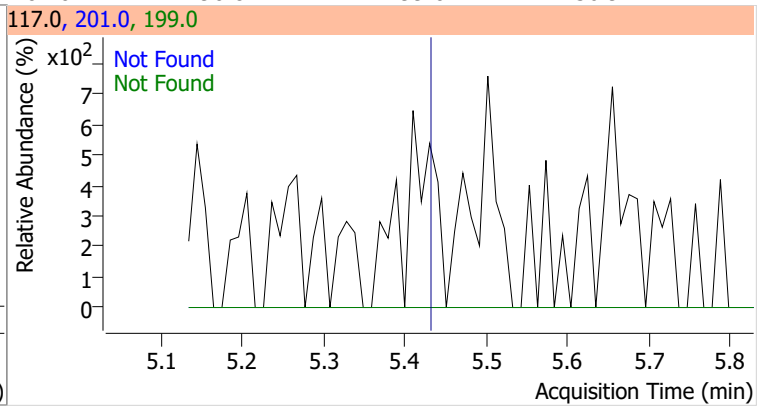
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



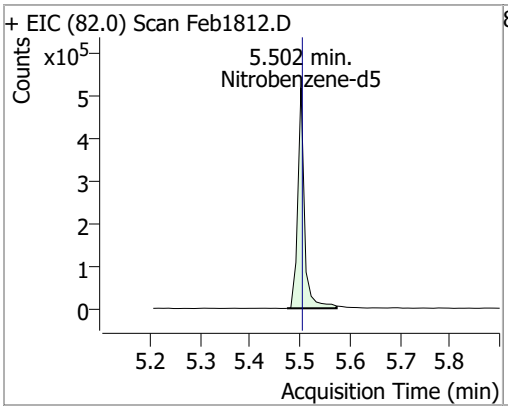


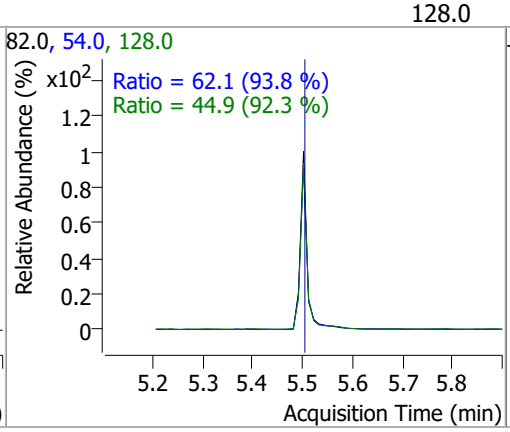
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

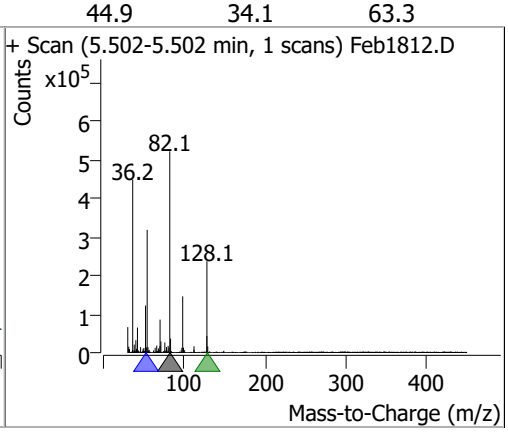




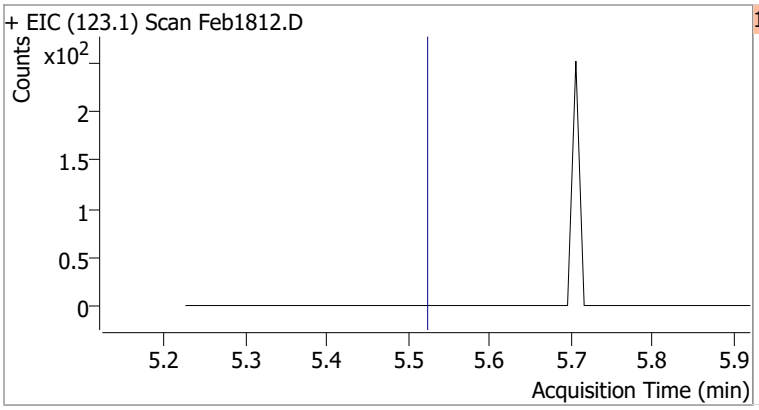
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	61.7579	5.50	0.00	485840	54.0	62.1	46.3	86.0
					128.0	44.9	34.1	63.3

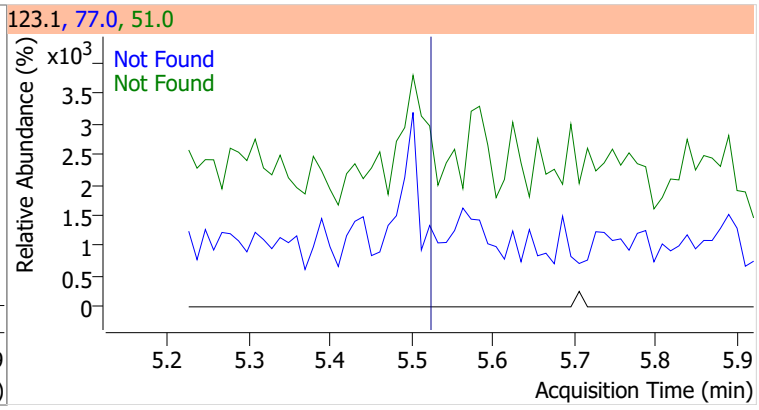




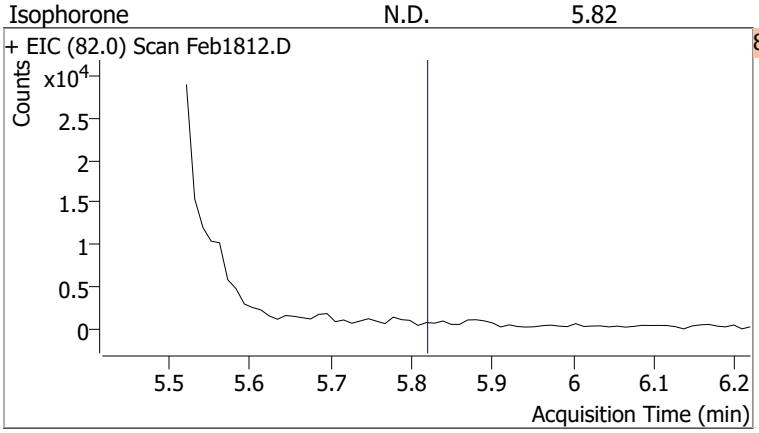


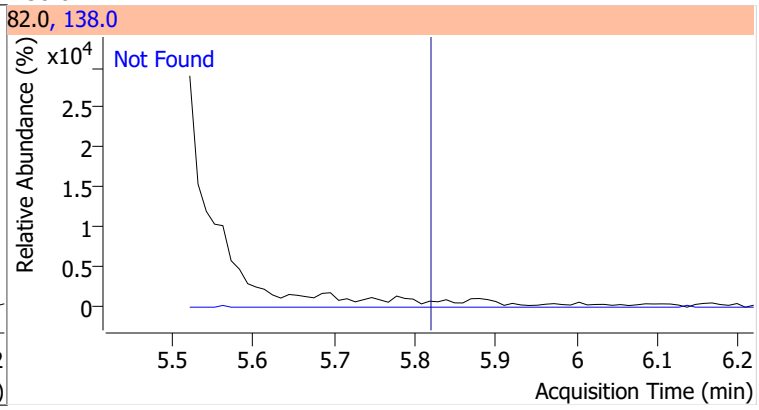
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



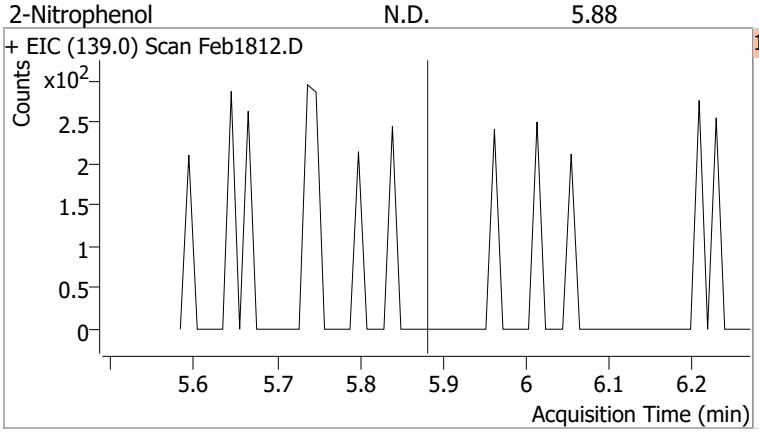


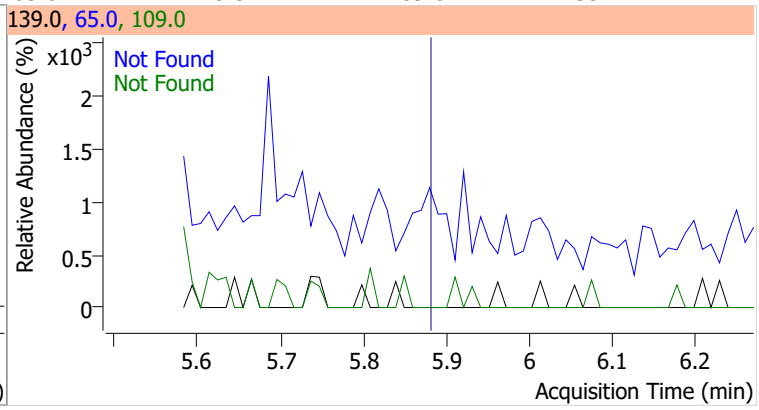
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



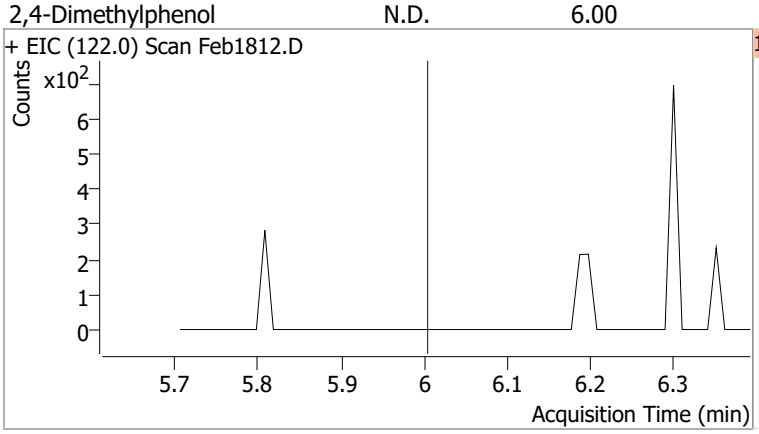


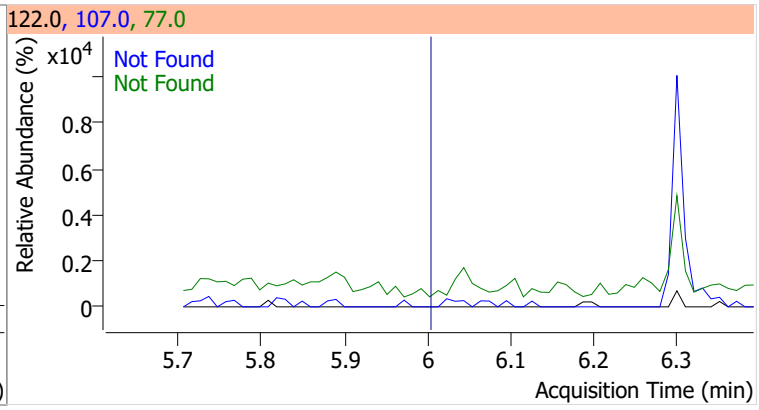
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



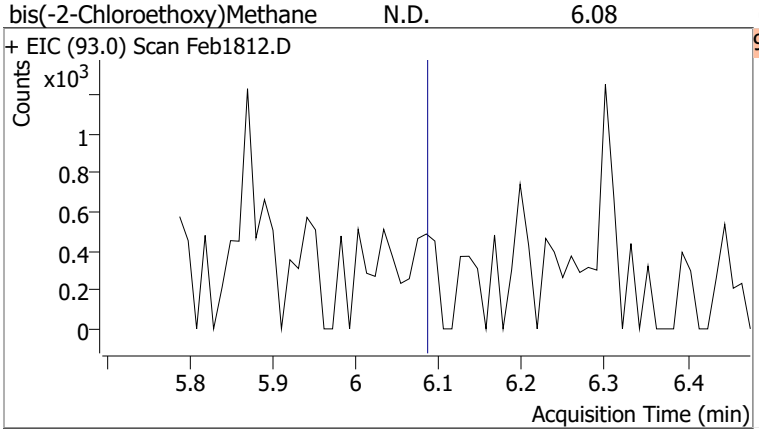


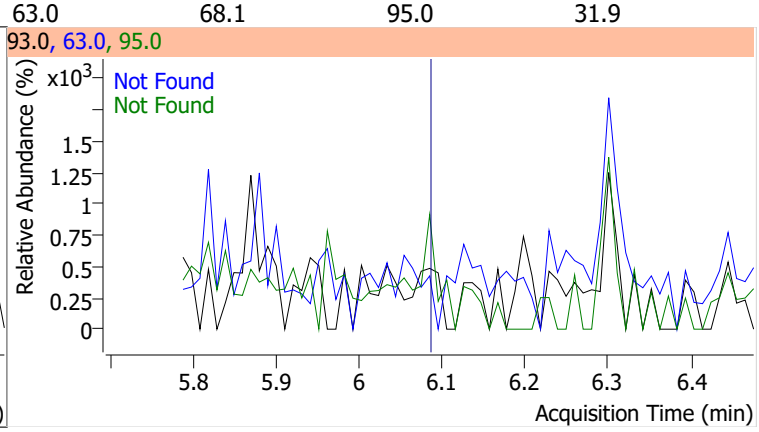
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



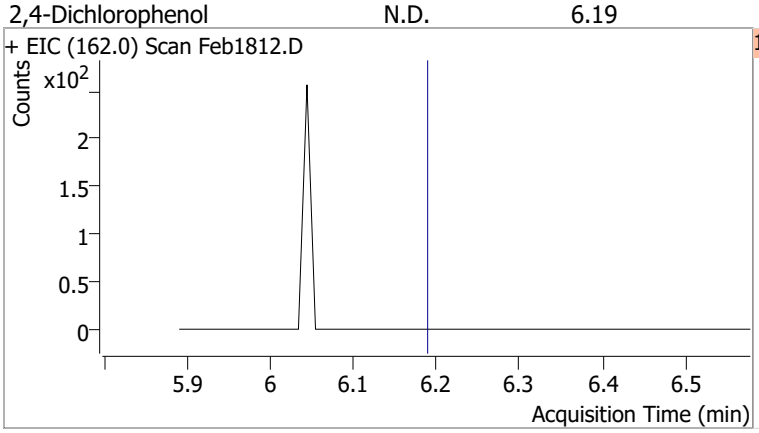


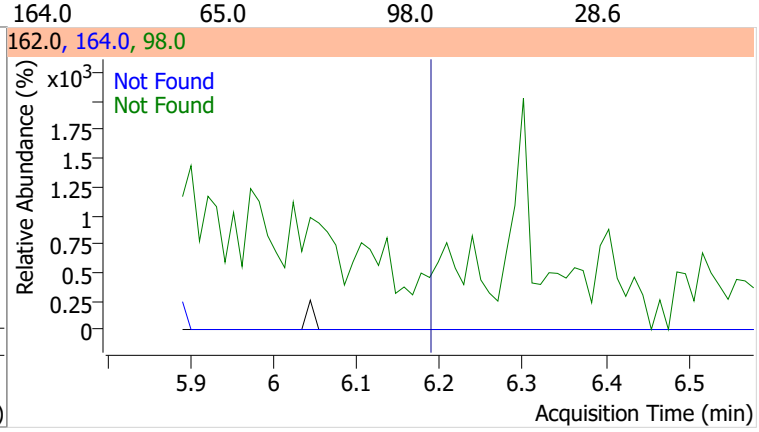
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



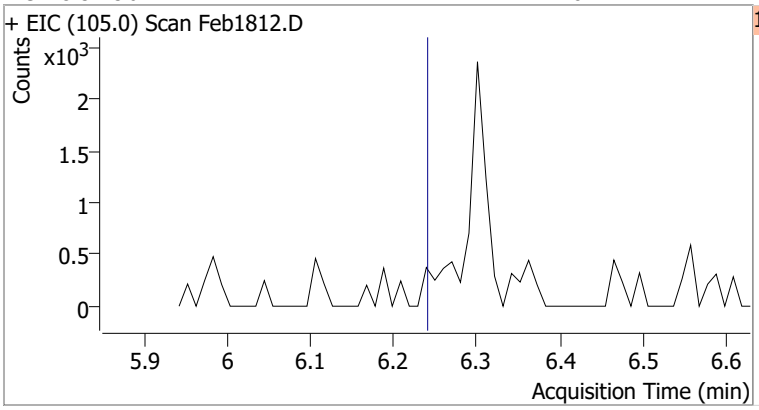


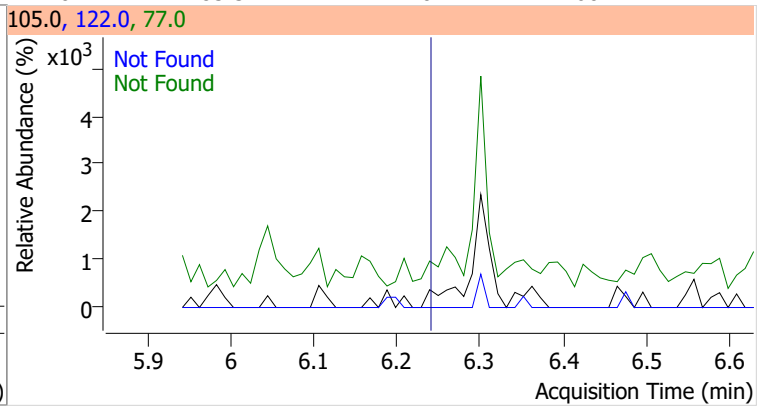
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



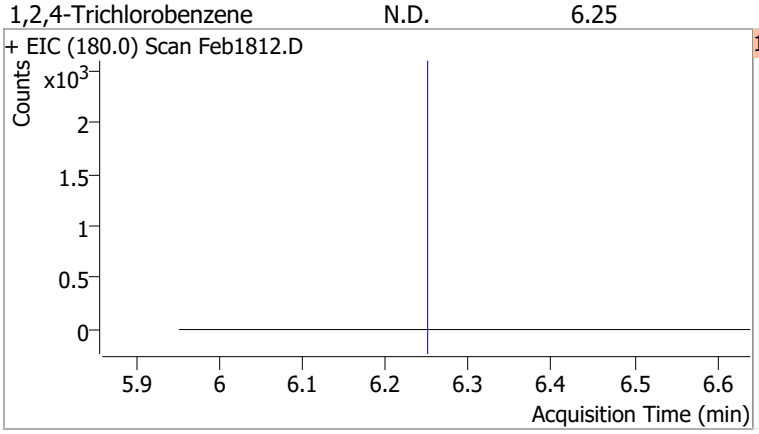


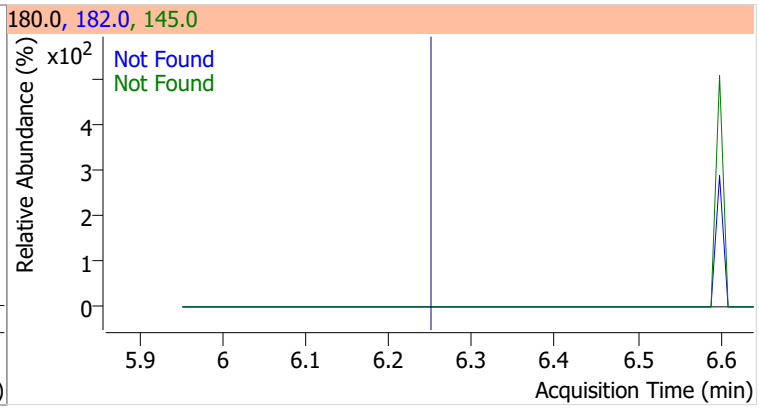
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



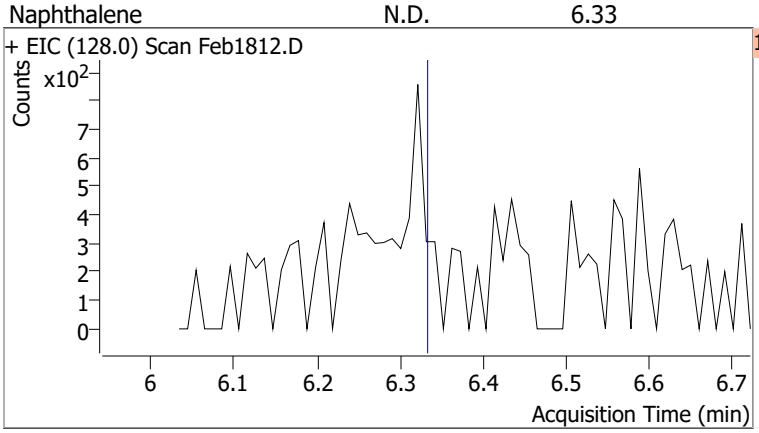


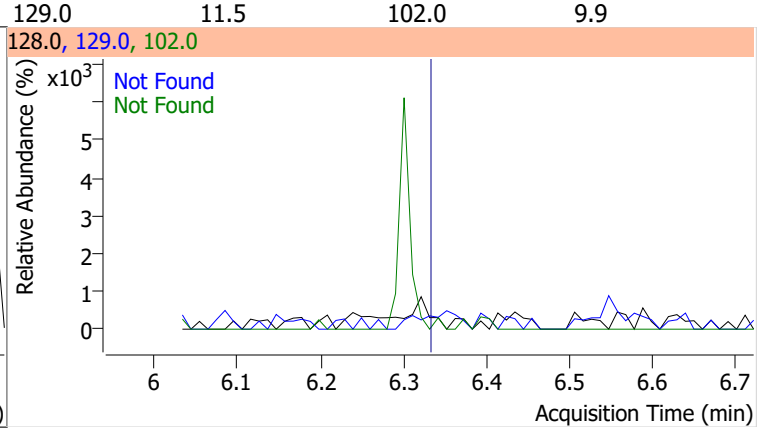
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



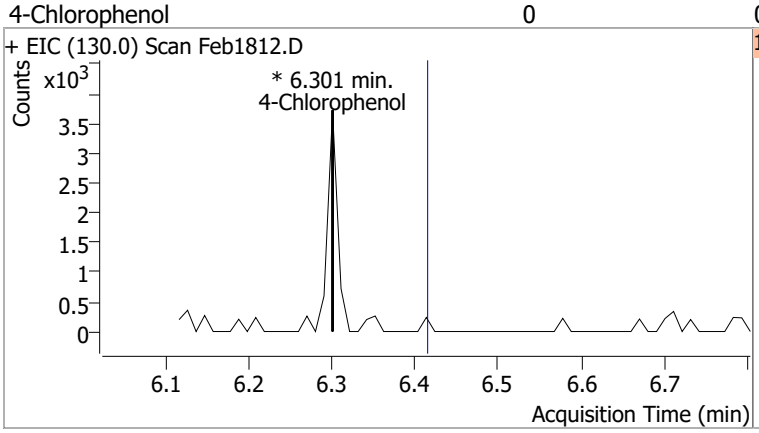


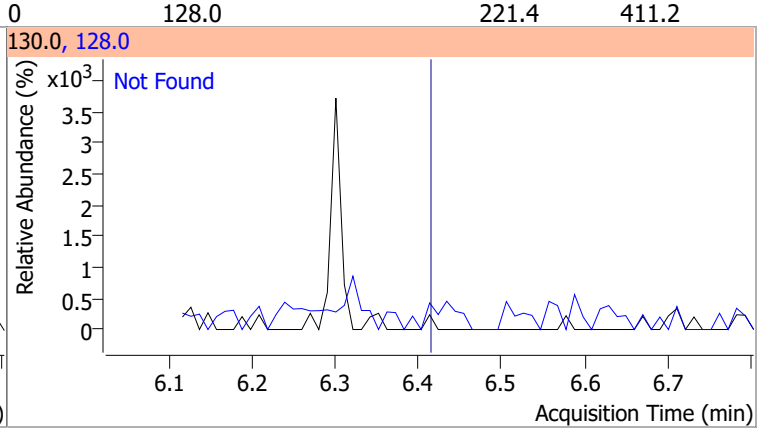
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



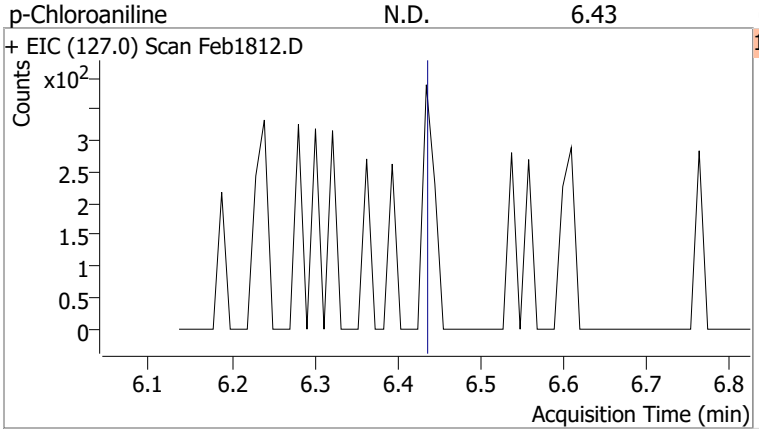


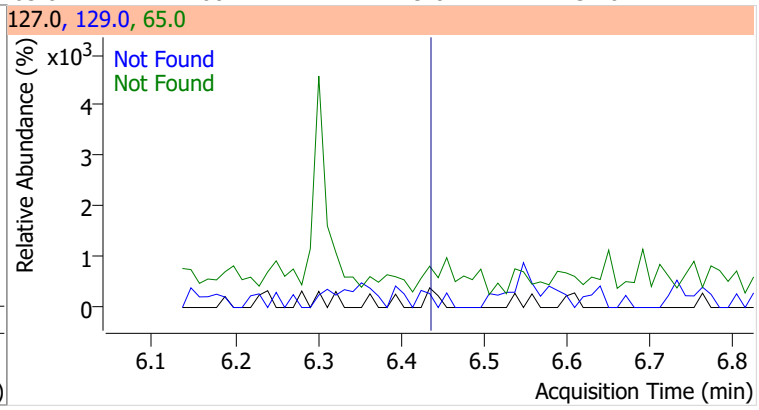
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol		0		0	128.0		221.4	411.2



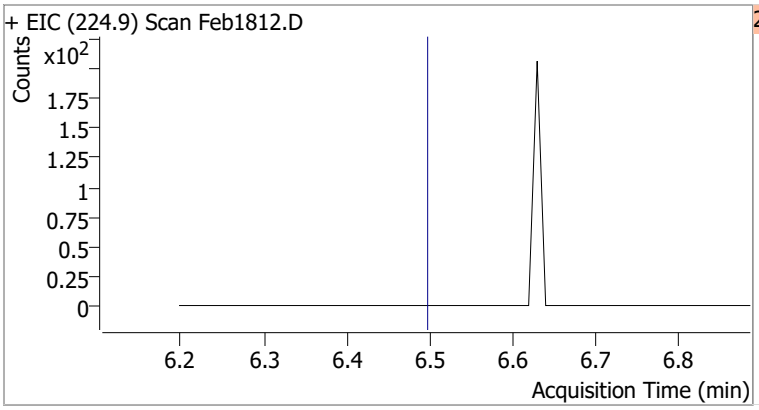


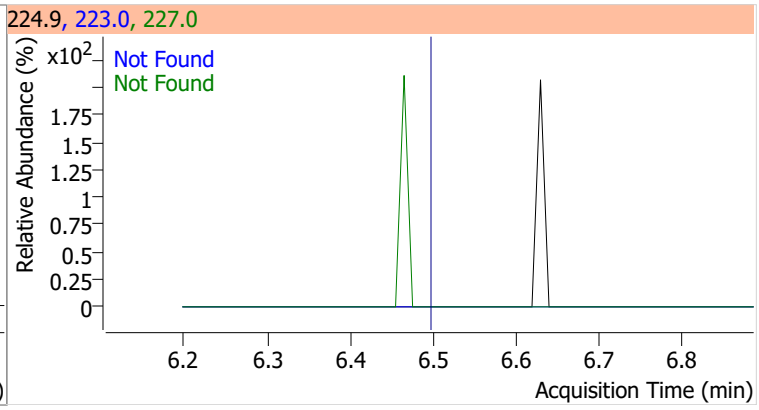
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



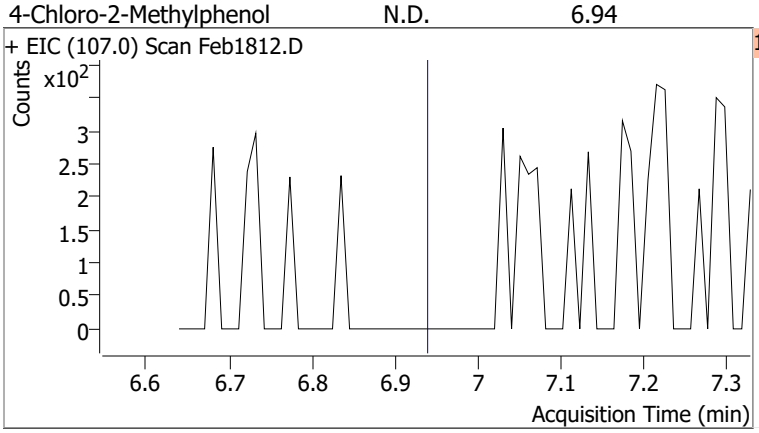


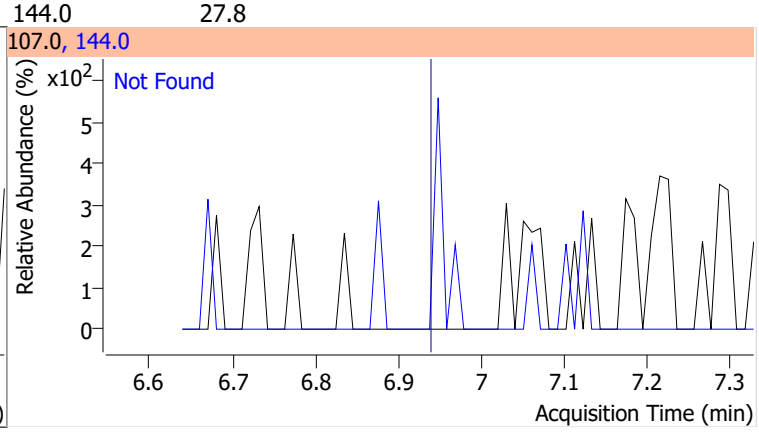
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



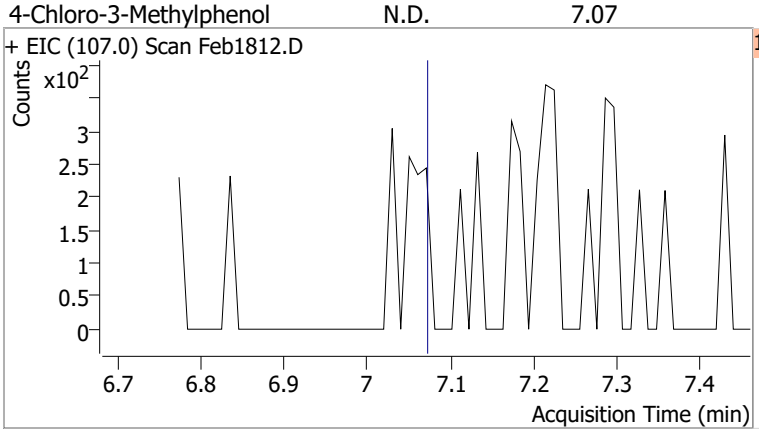


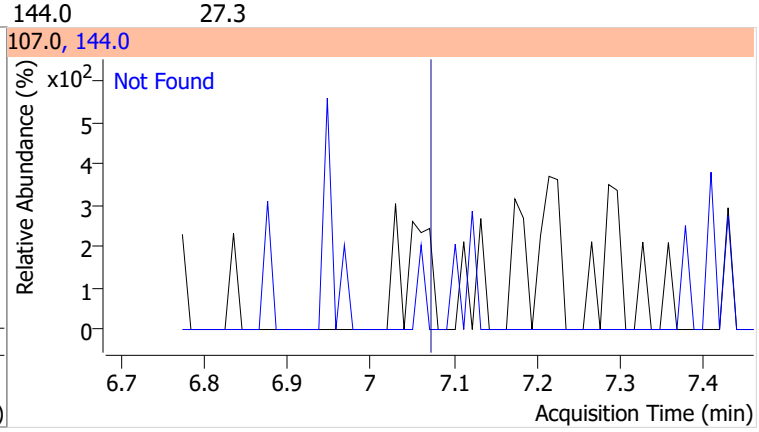
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



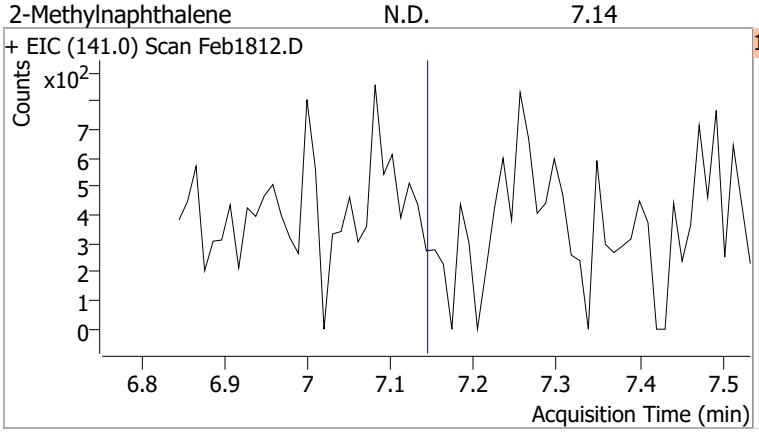


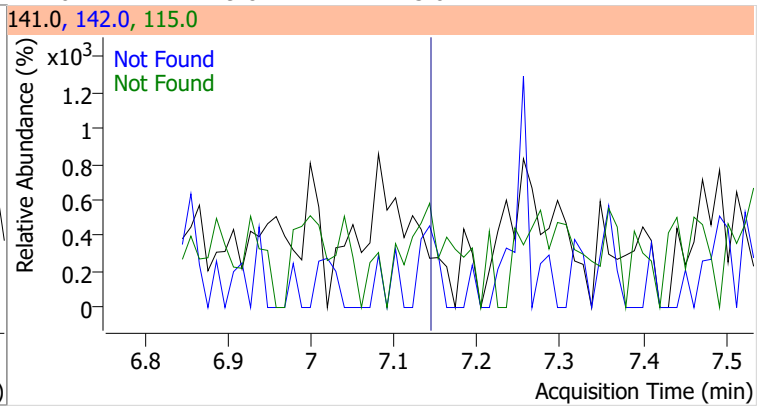
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



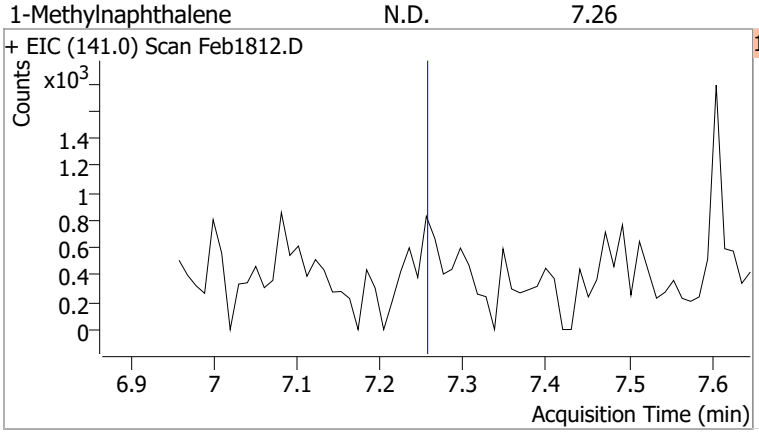


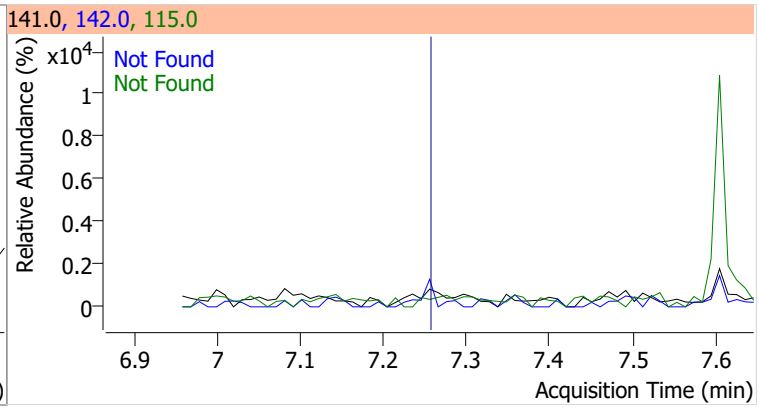
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



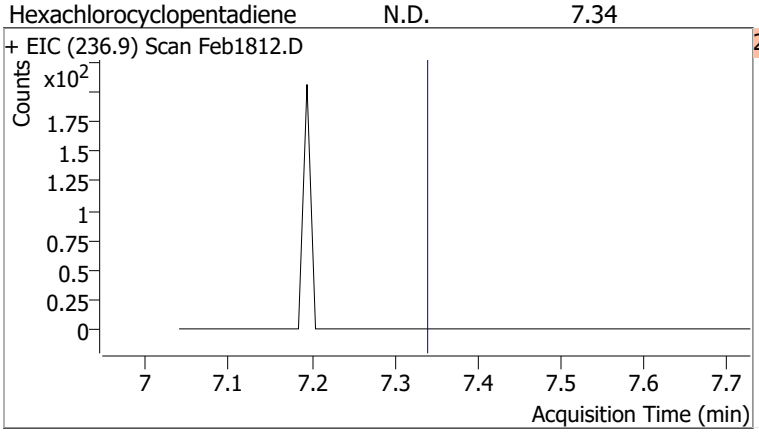


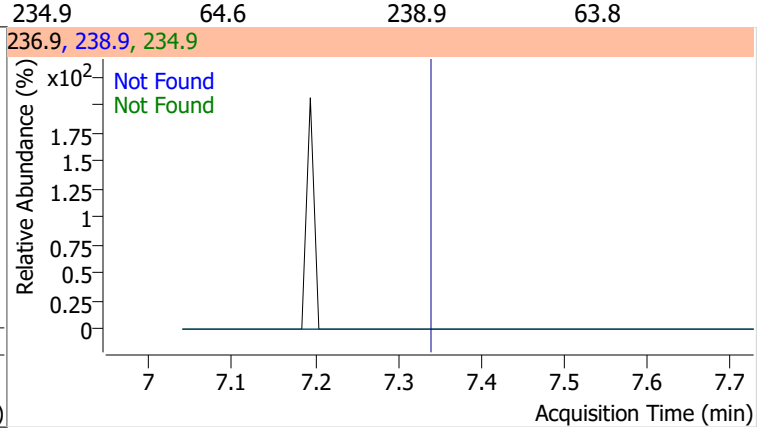
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



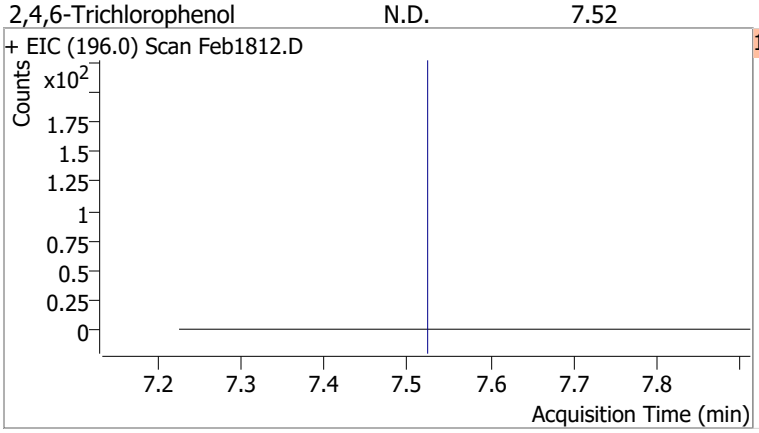


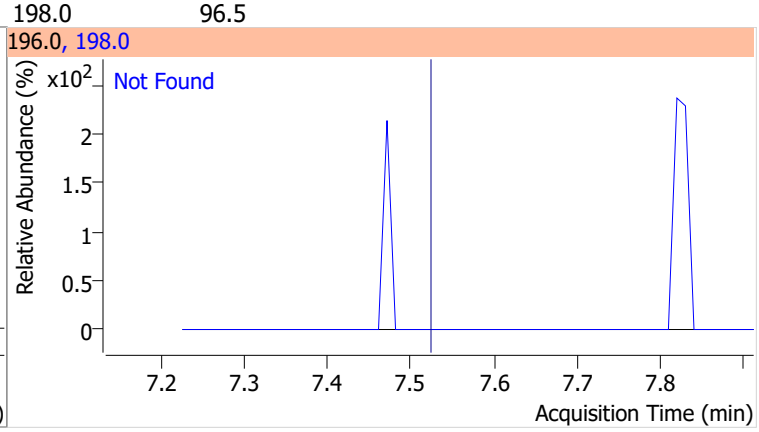
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



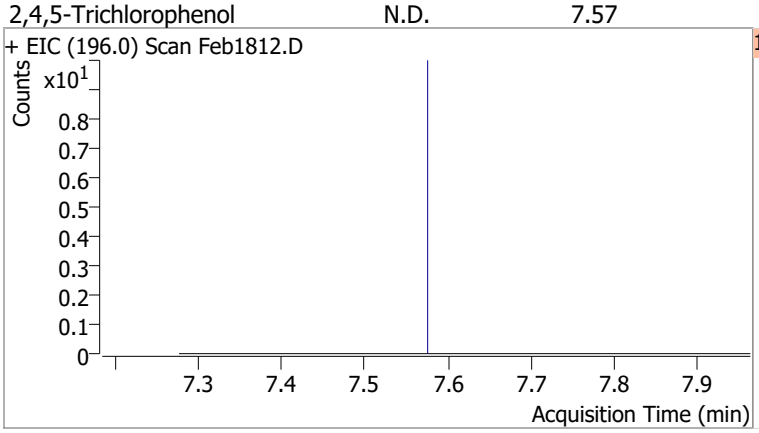


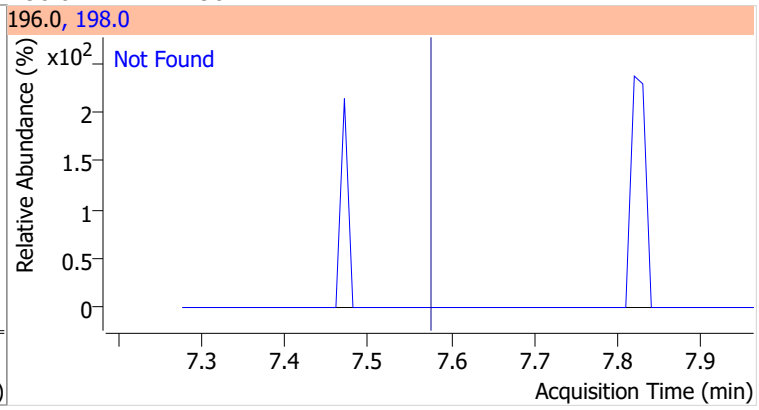
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



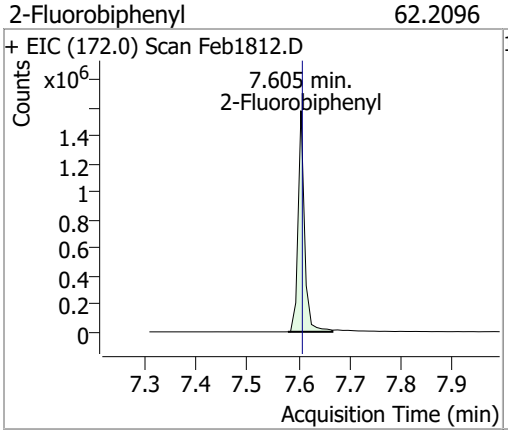


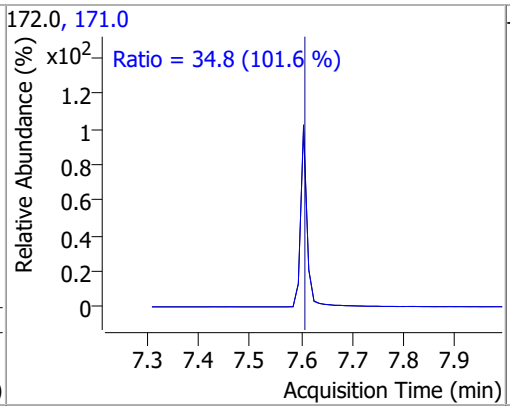
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

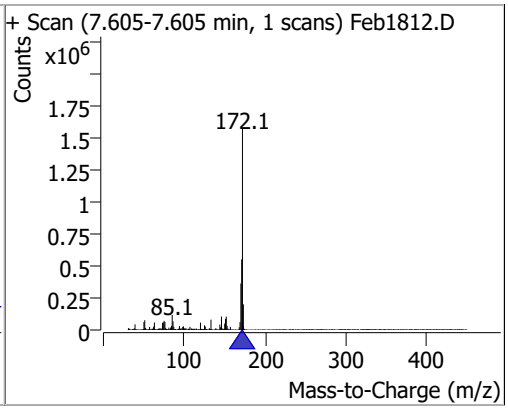




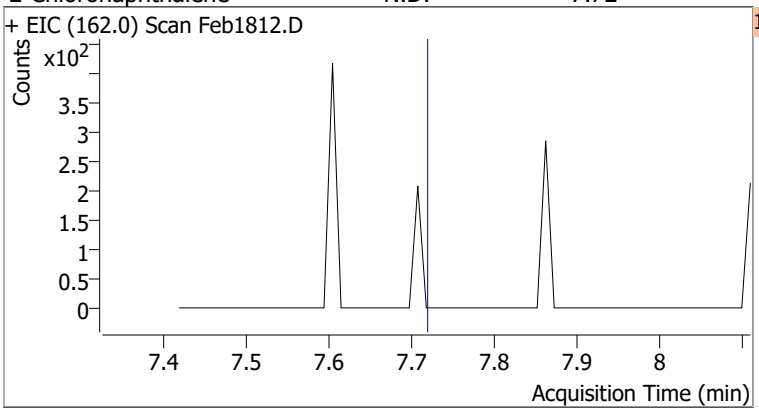
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	62.2096	7.60	0.00	1382362	171.0	34.8	24.0	44.5

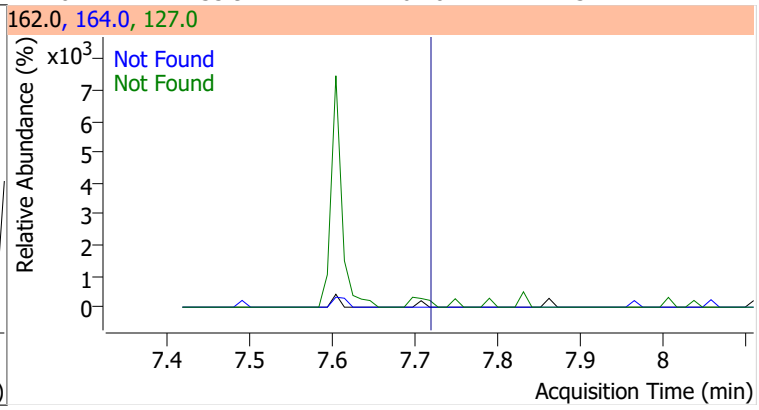




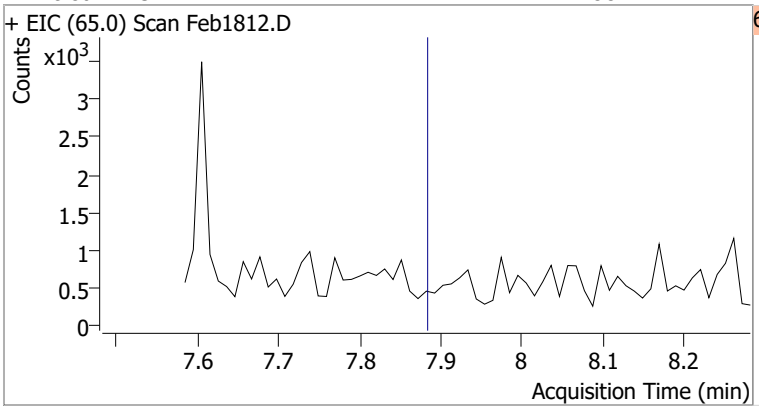


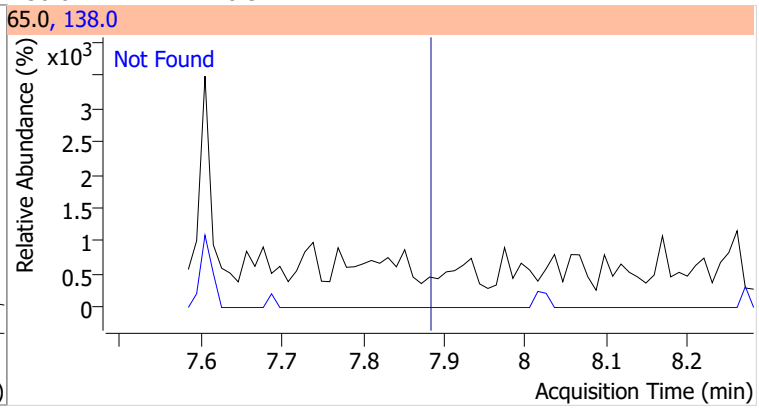
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



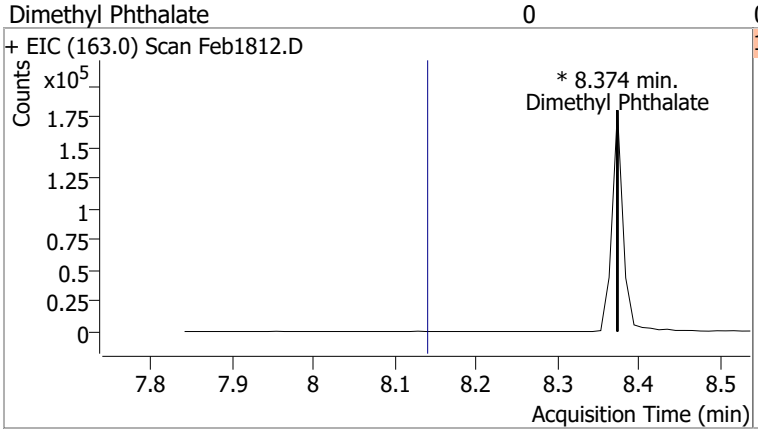


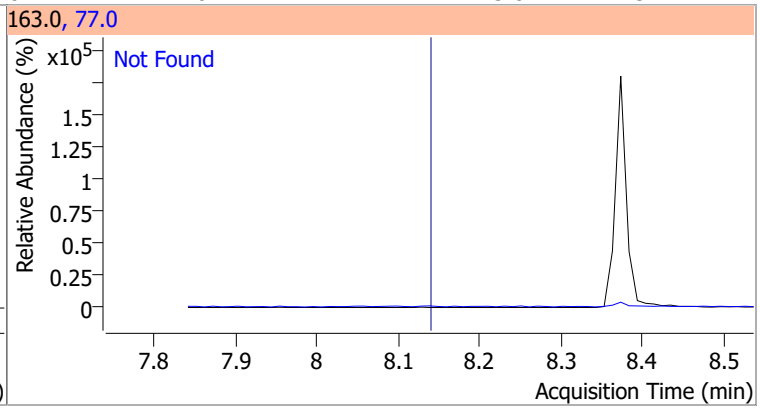
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



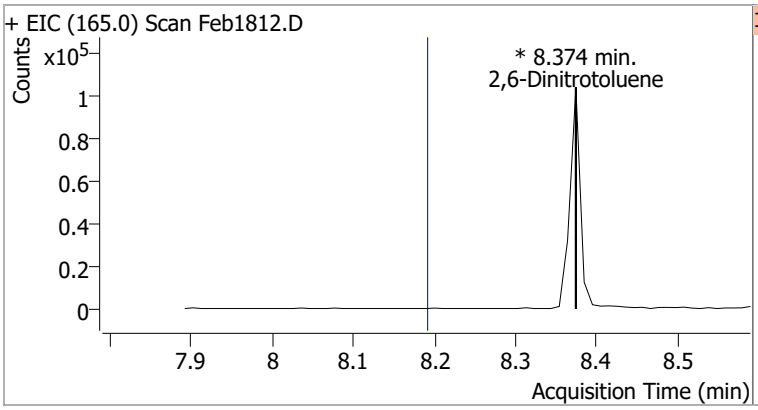


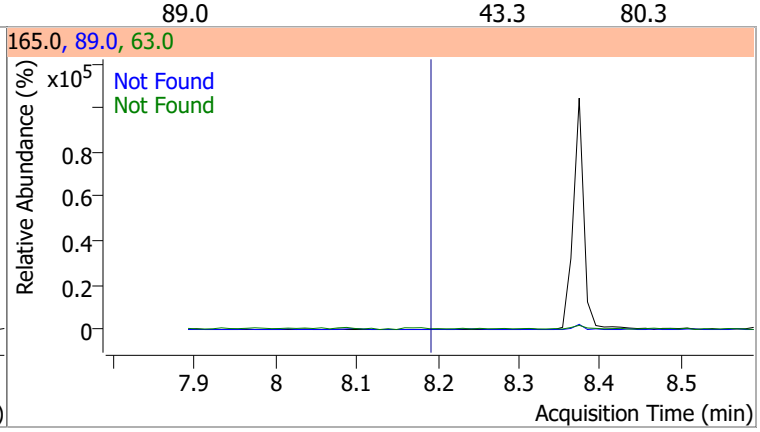
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



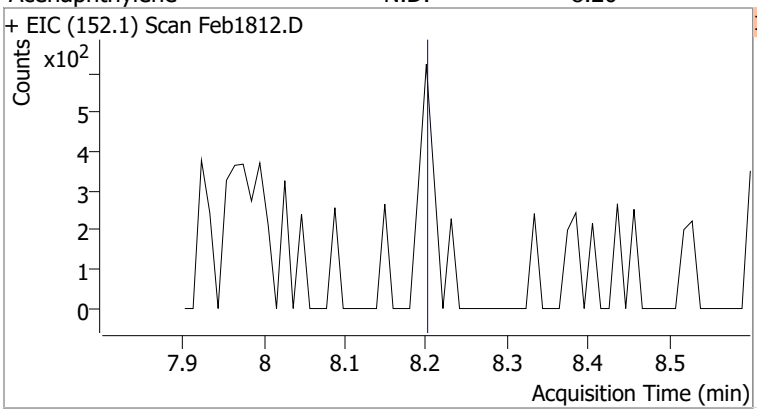


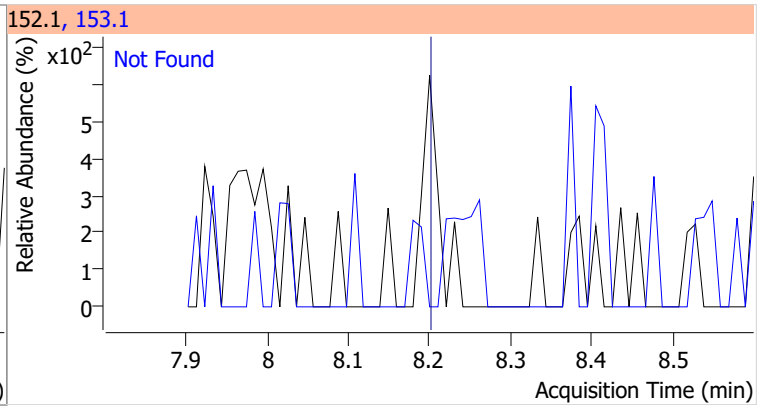
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



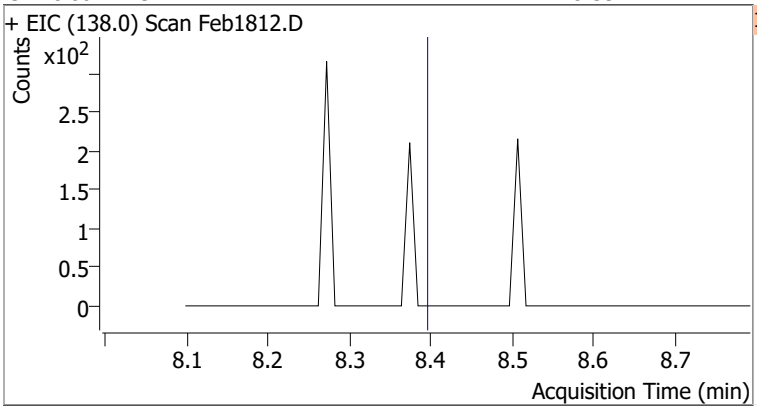


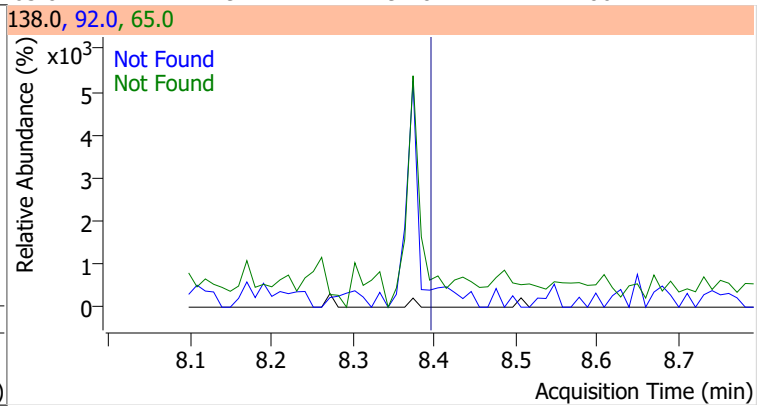
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



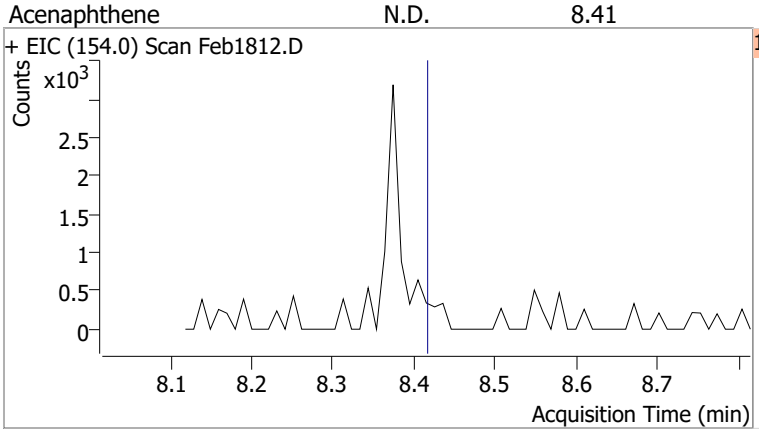


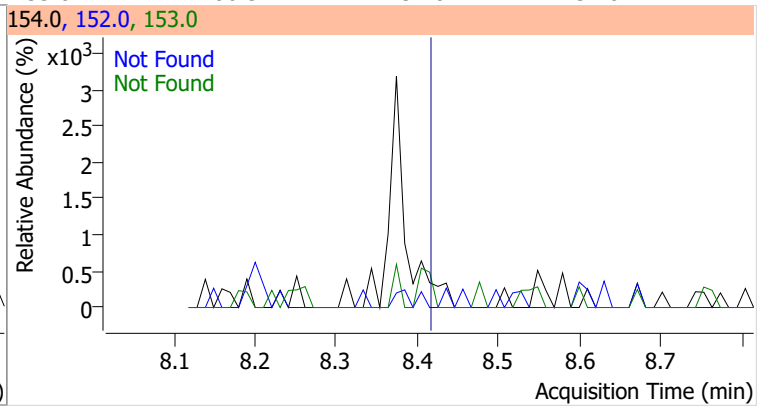
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



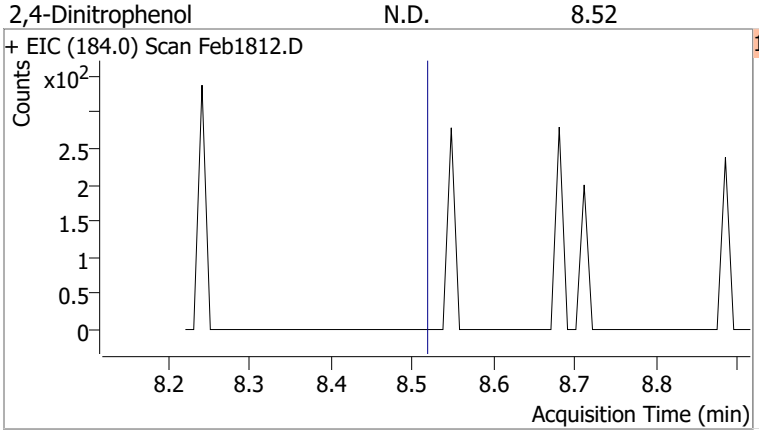


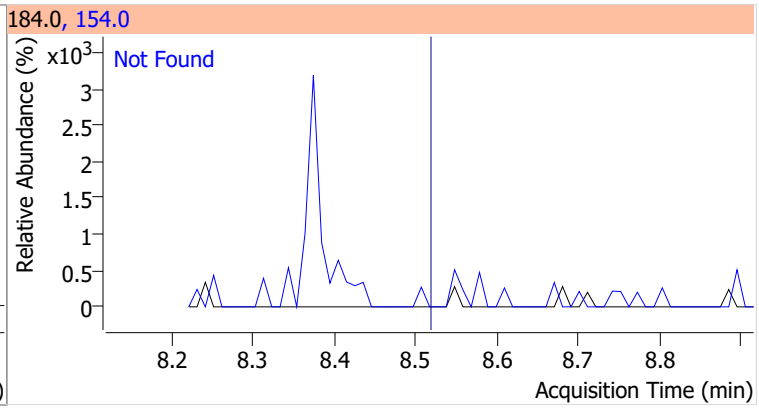
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



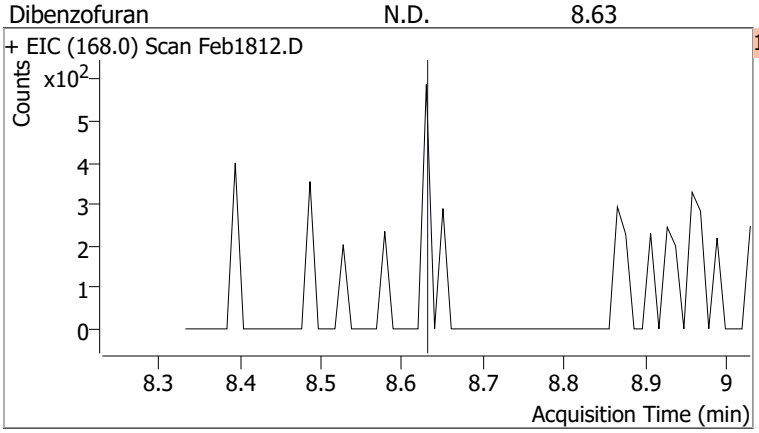


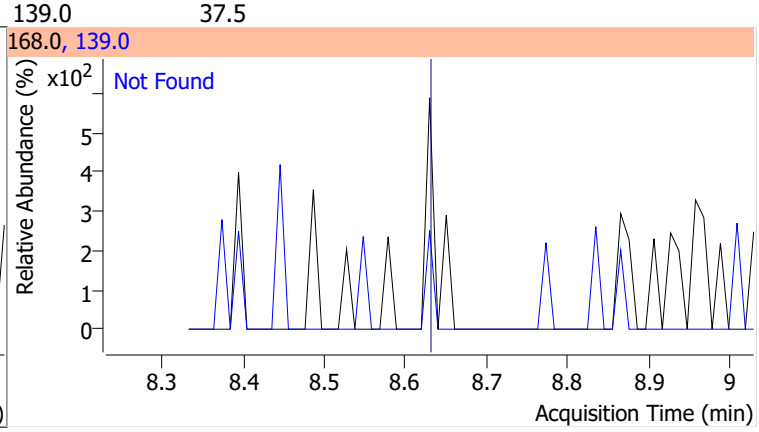
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



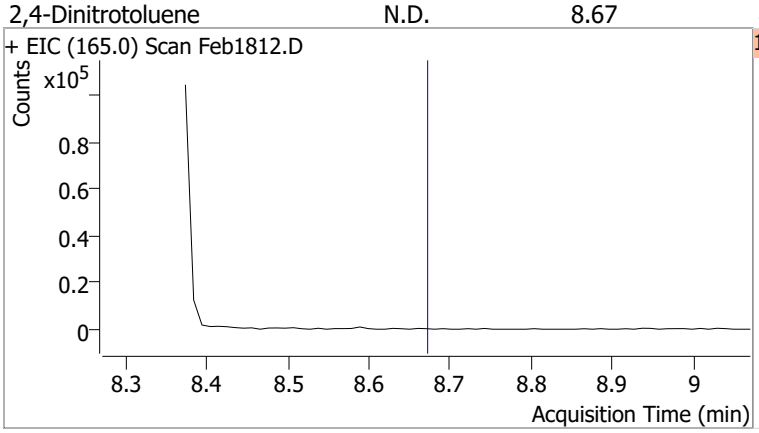


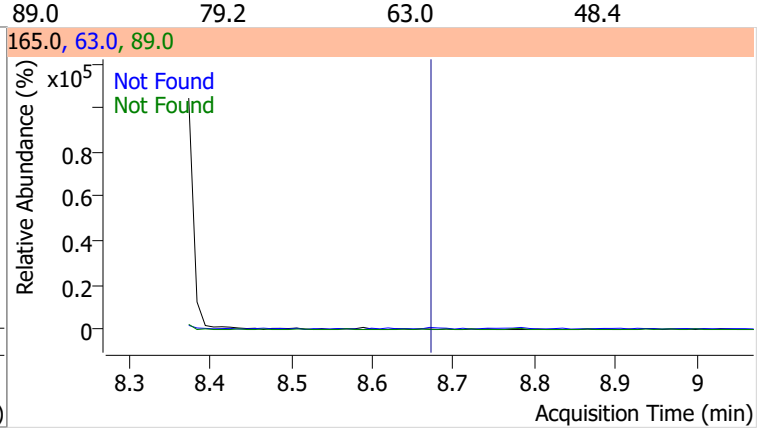
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



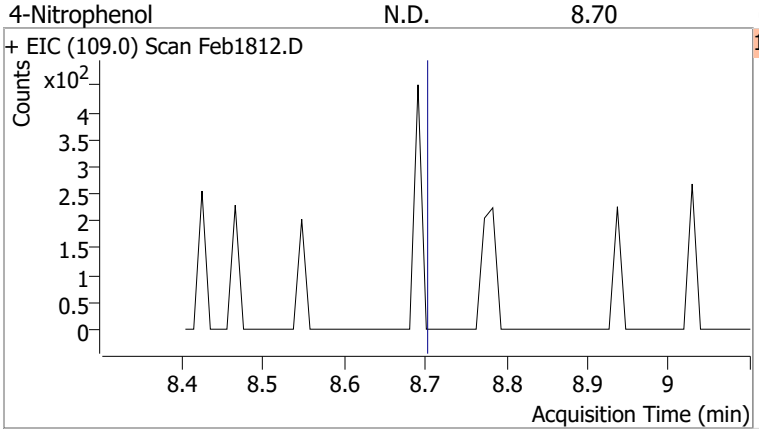


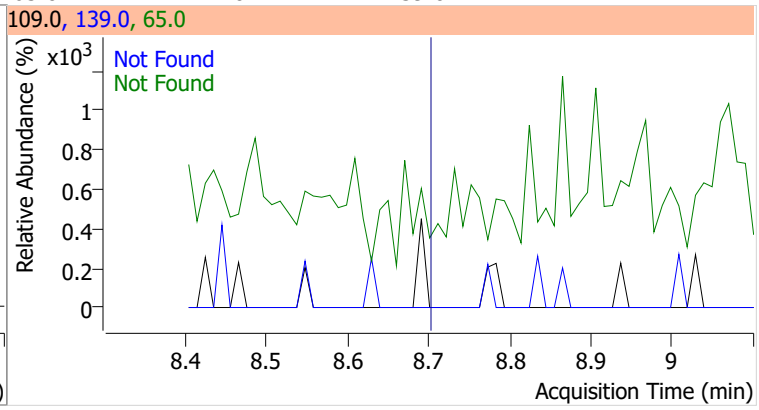
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



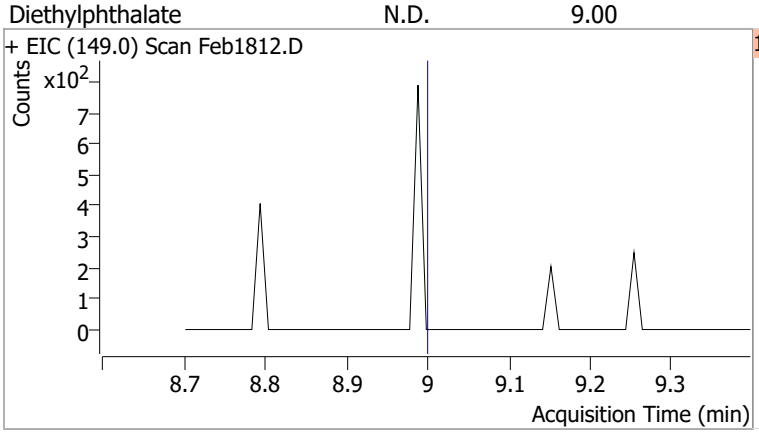


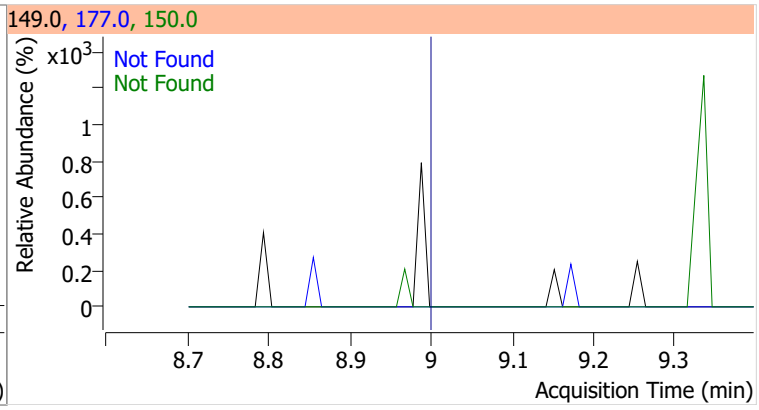
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



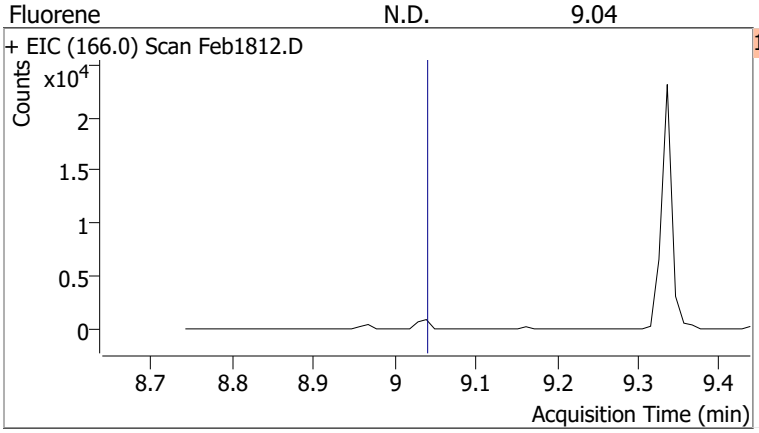


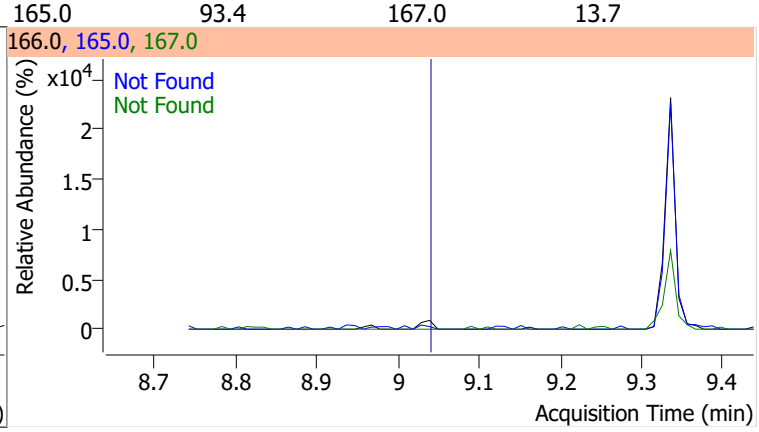
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



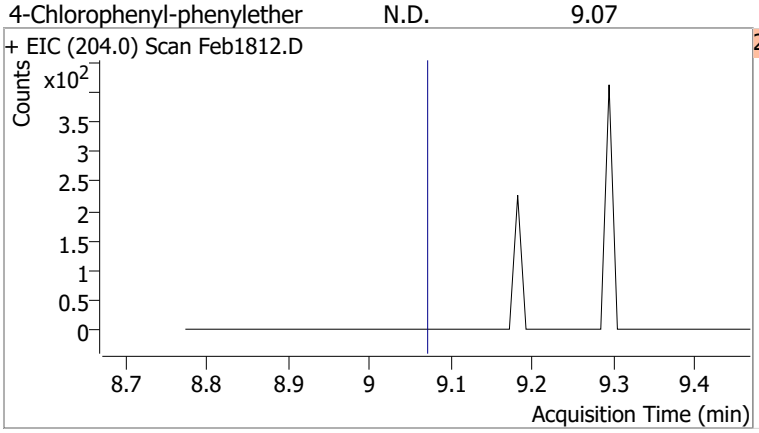


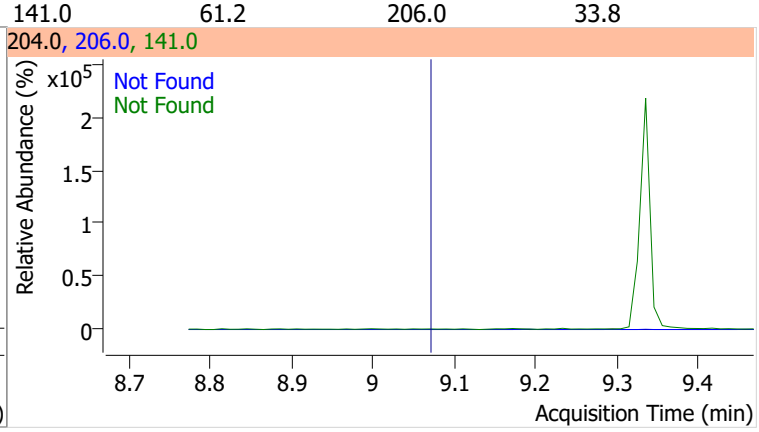
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



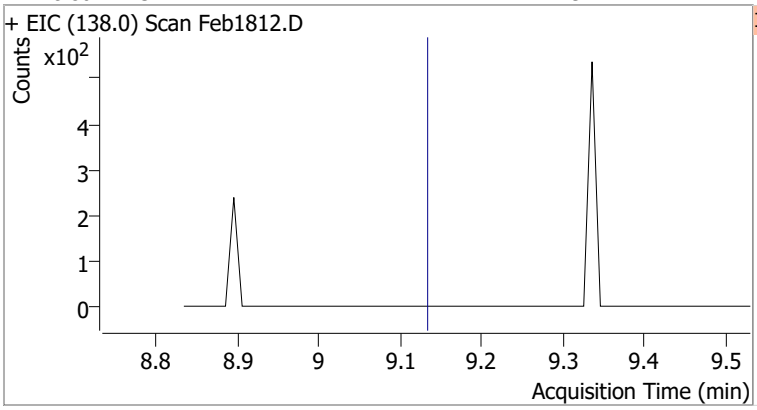


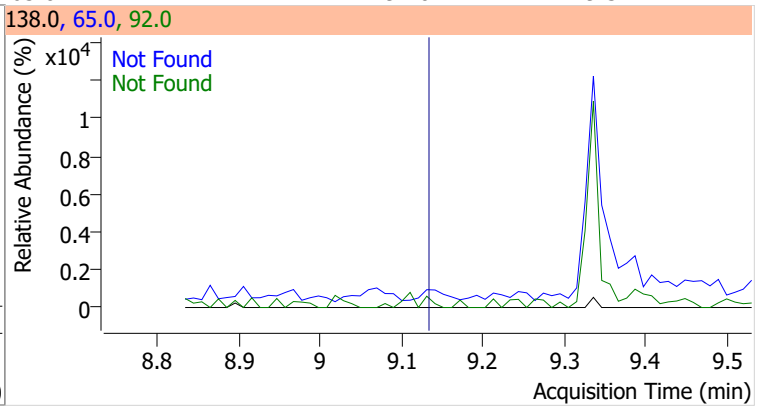
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



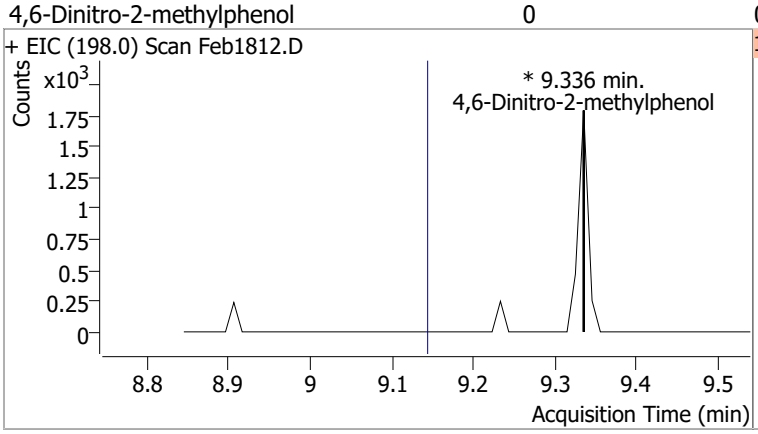


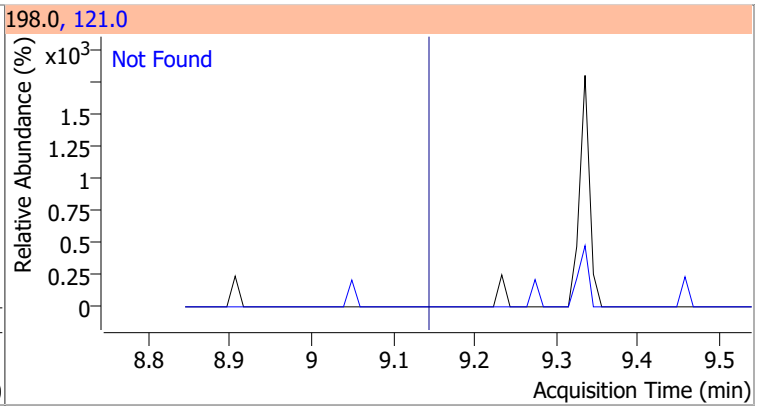
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



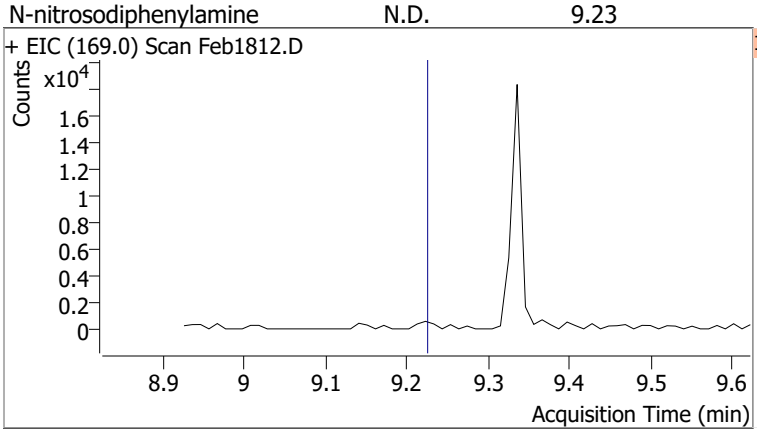


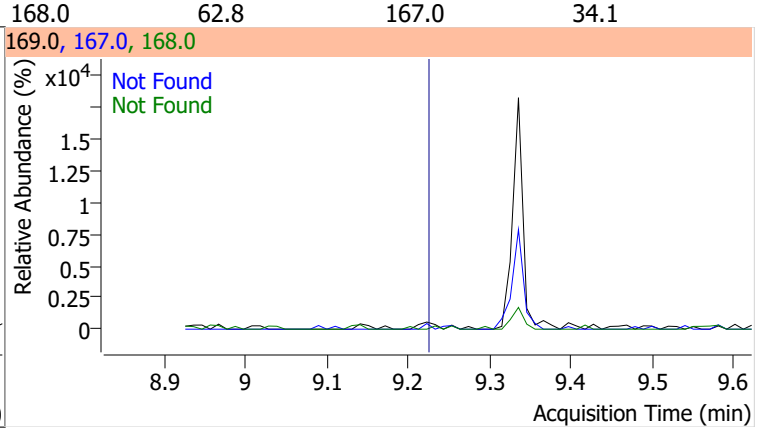
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



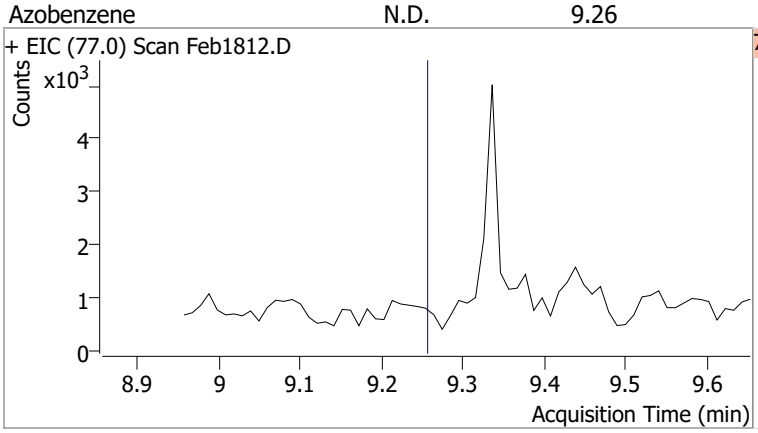


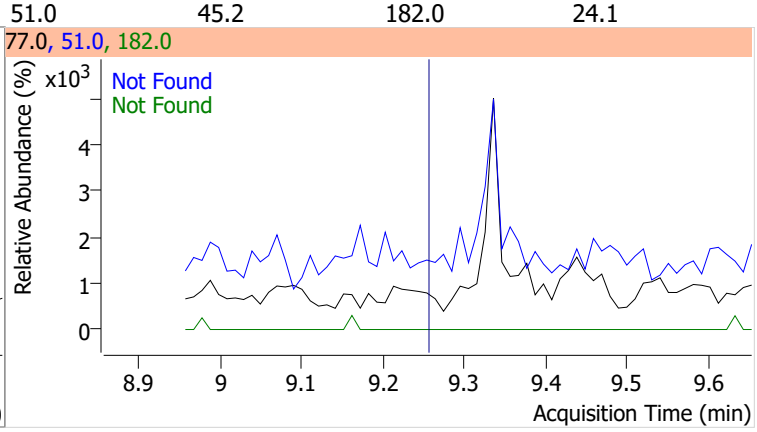
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



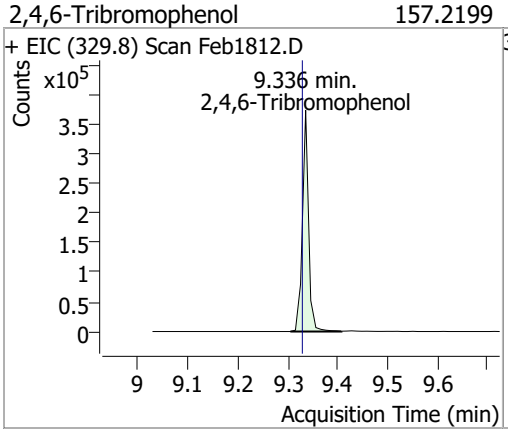


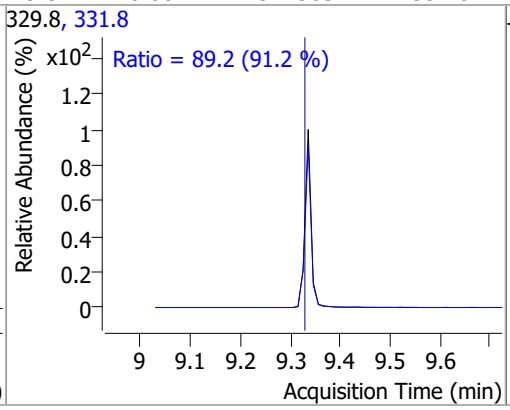
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

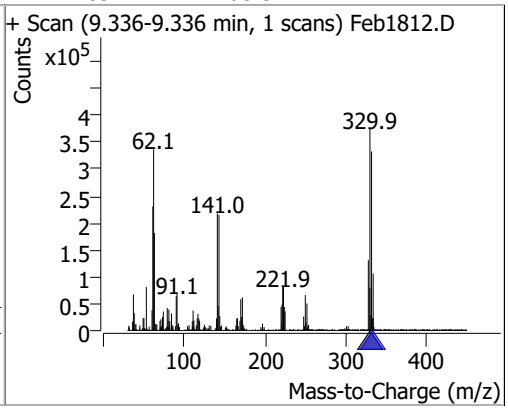




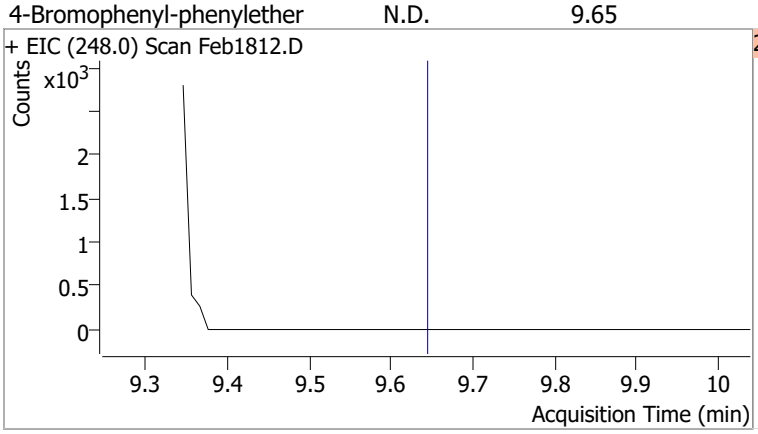
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	157.2199	9.34	0.00	321583	331.8	89.2	68.5	127.2

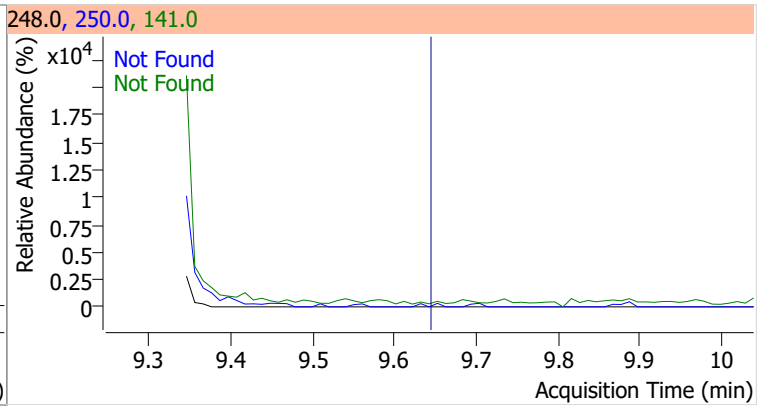




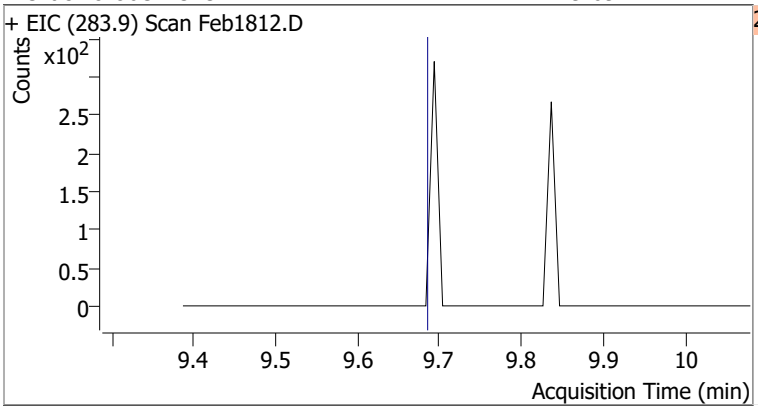


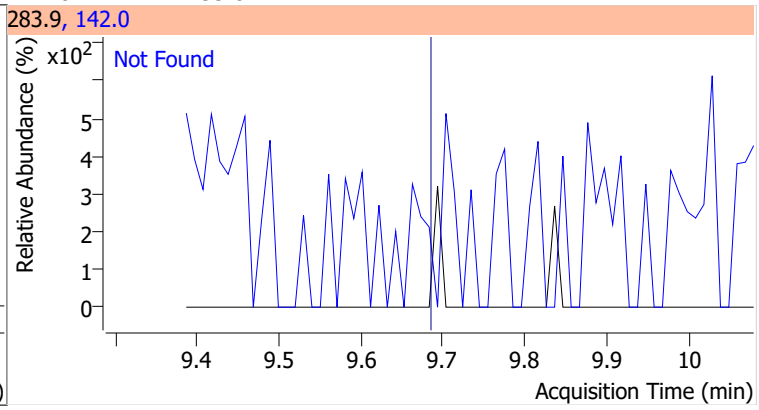
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



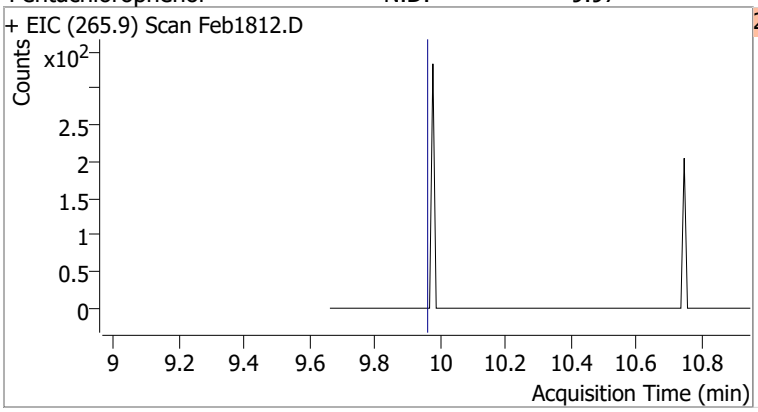


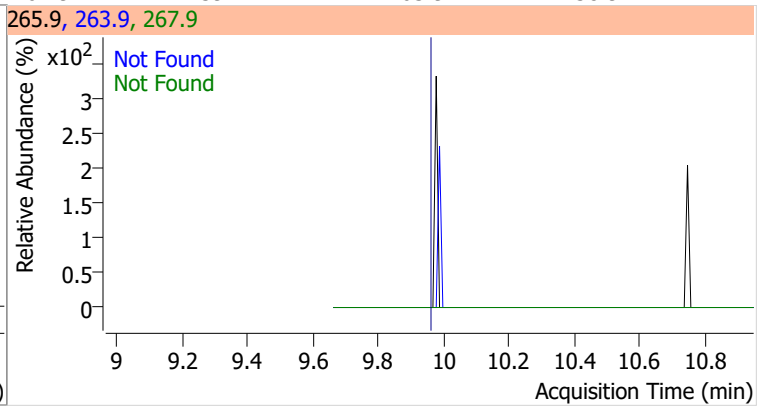
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



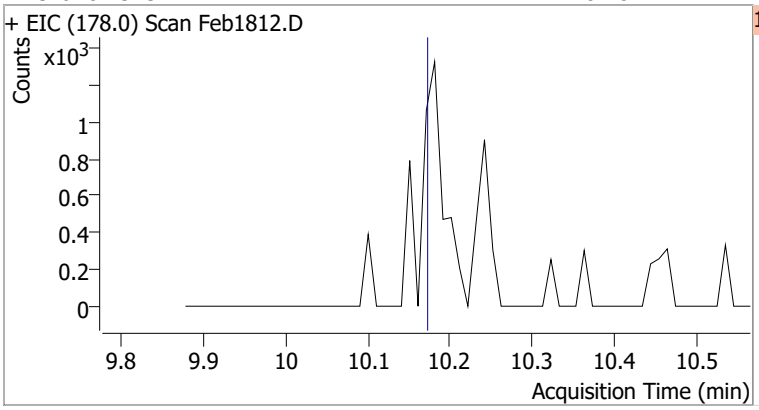


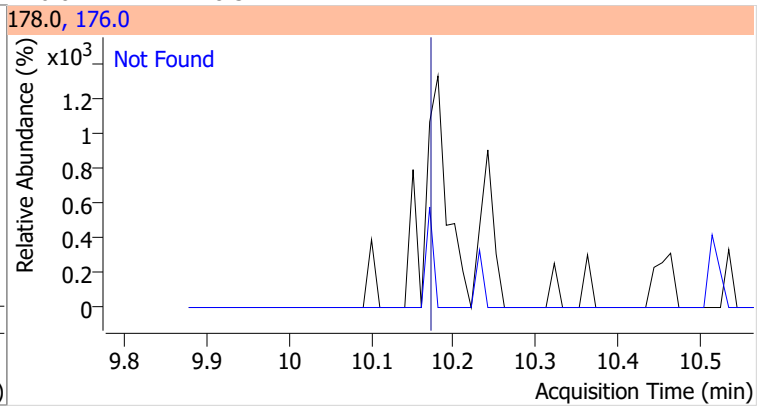
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



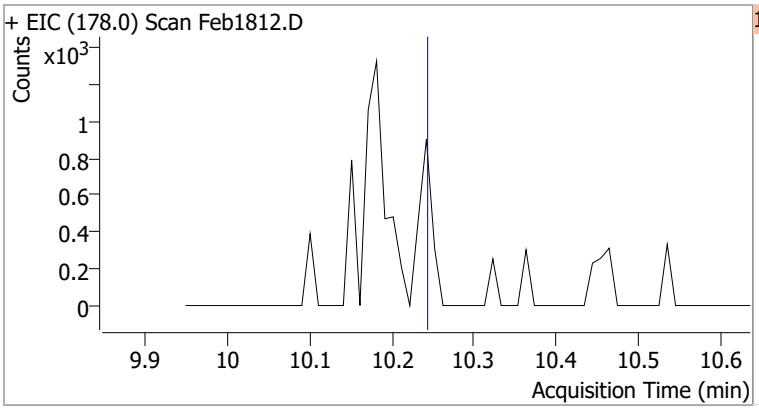


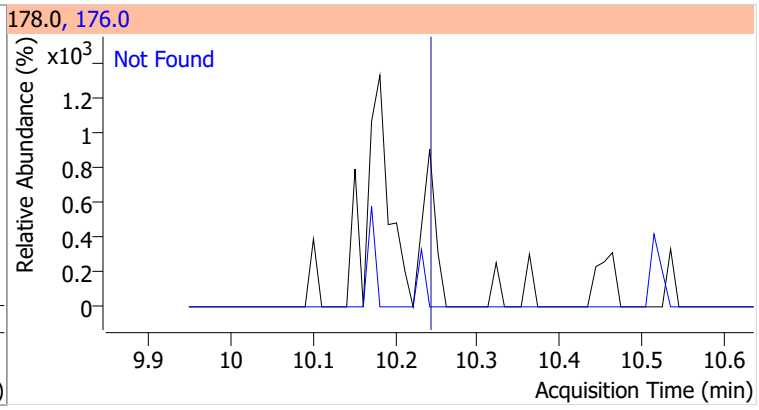
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



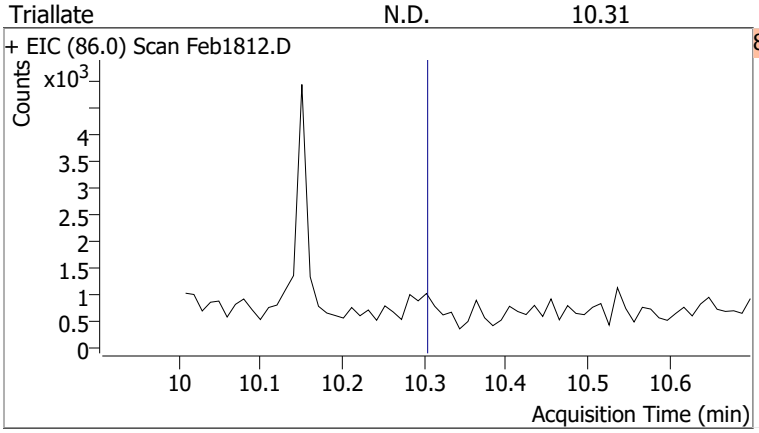


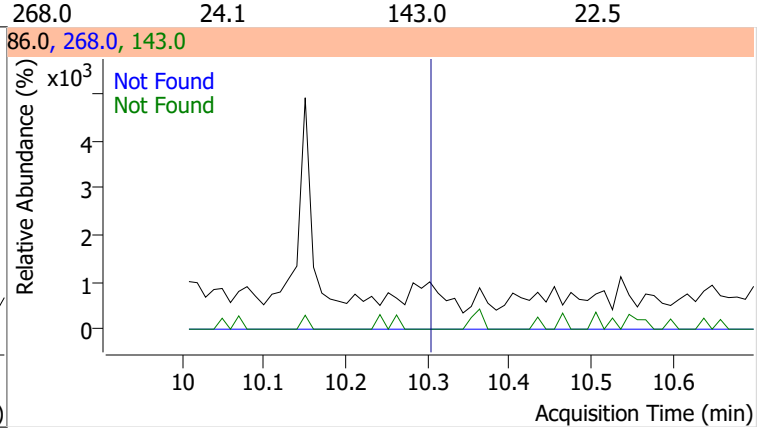
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



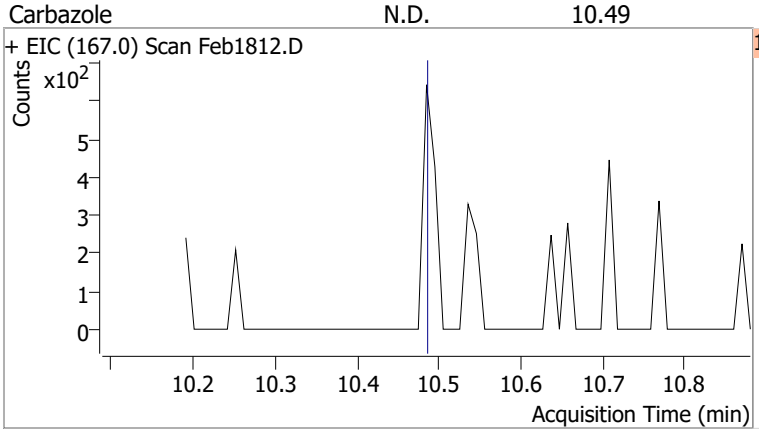


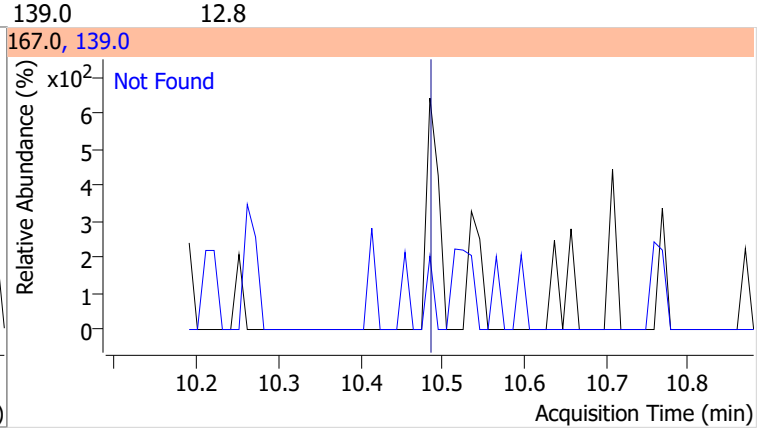
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



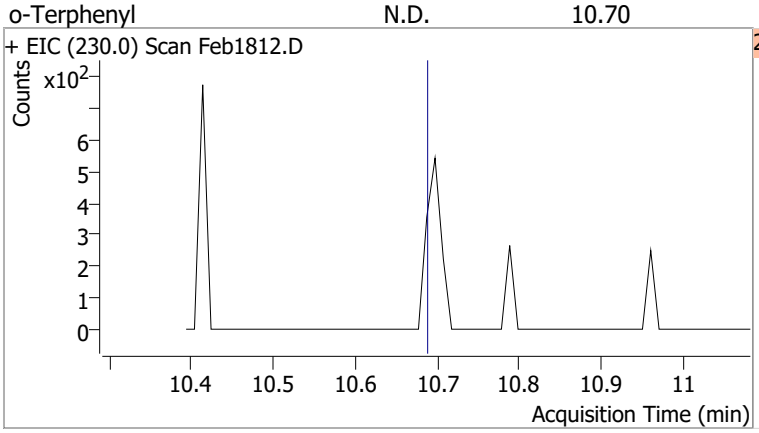


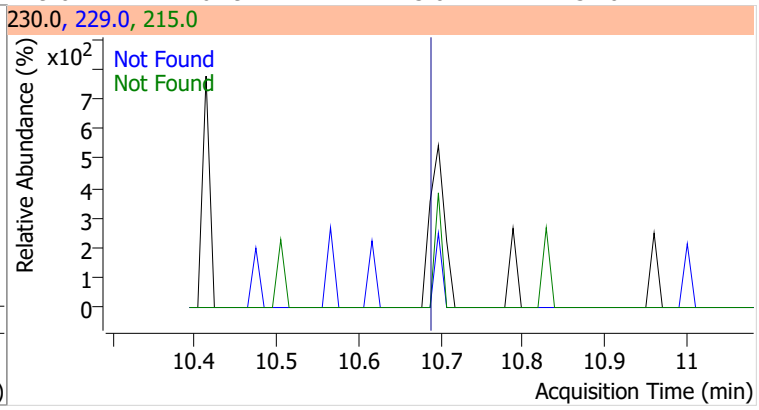
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



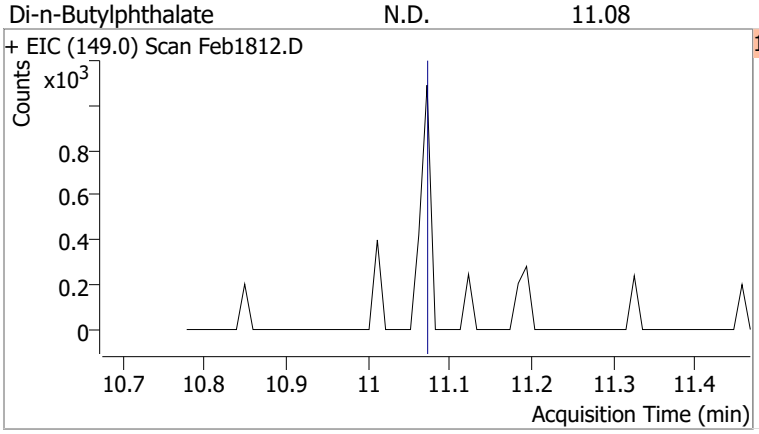


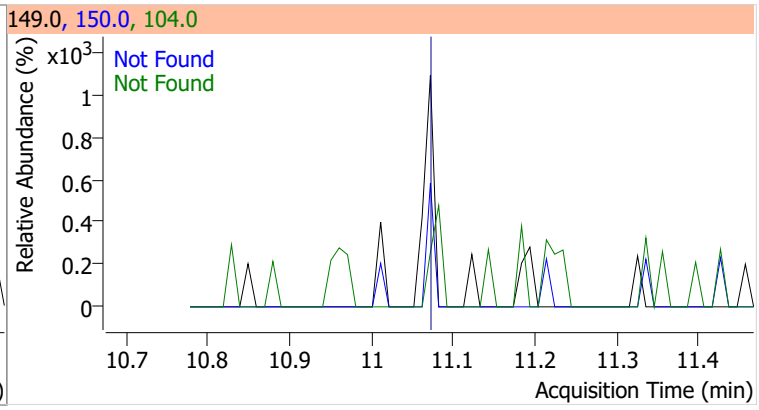
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



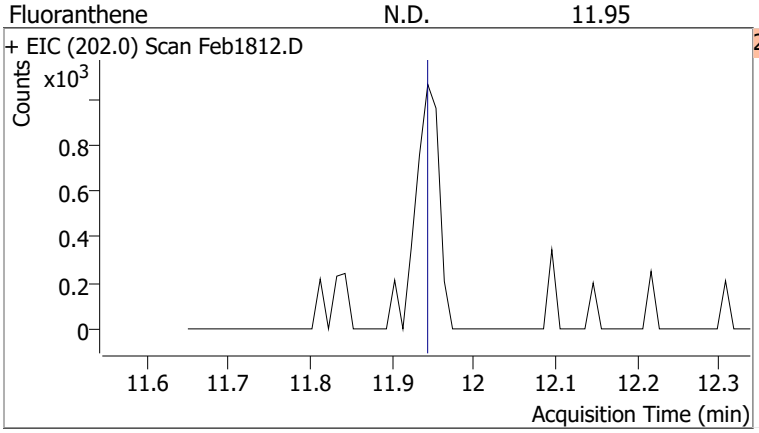


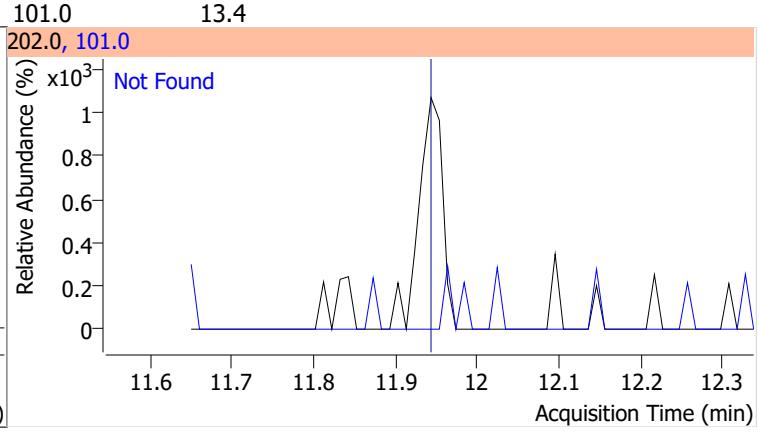
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



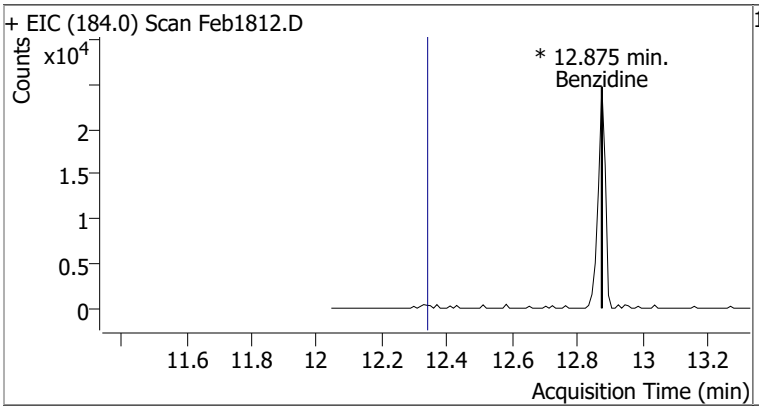


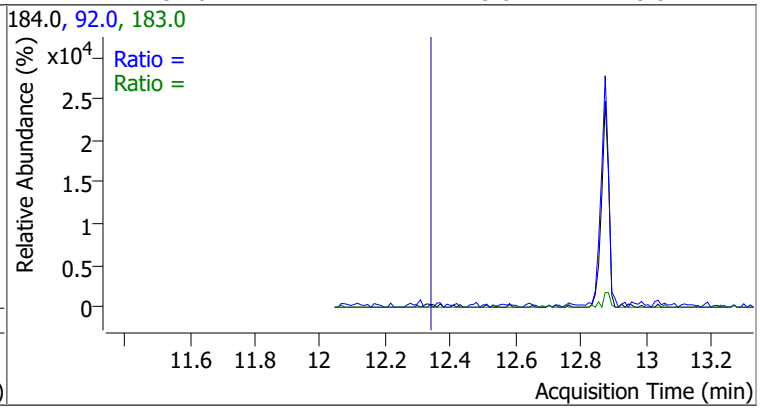
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



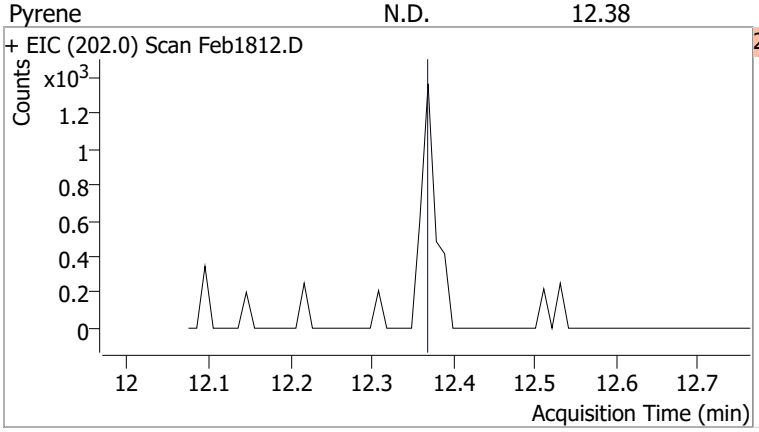


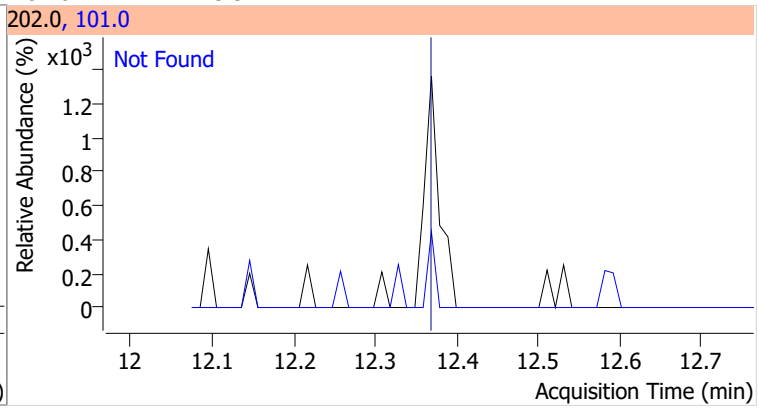
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



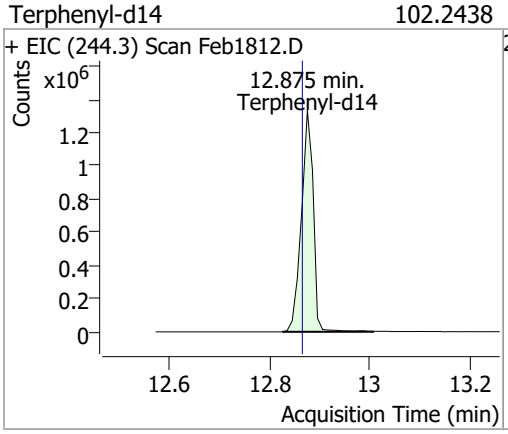


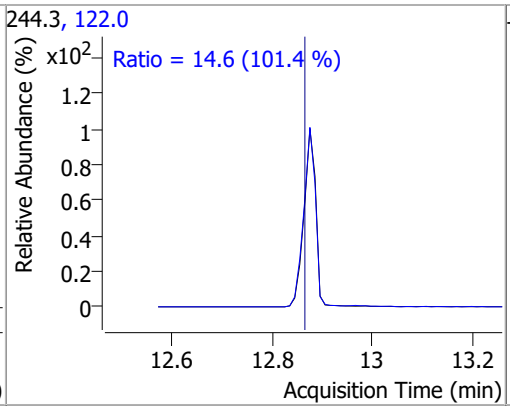
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

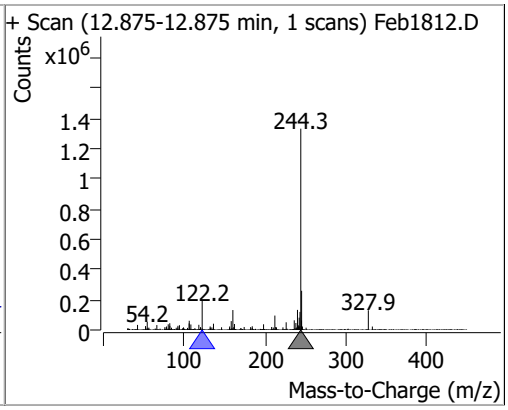




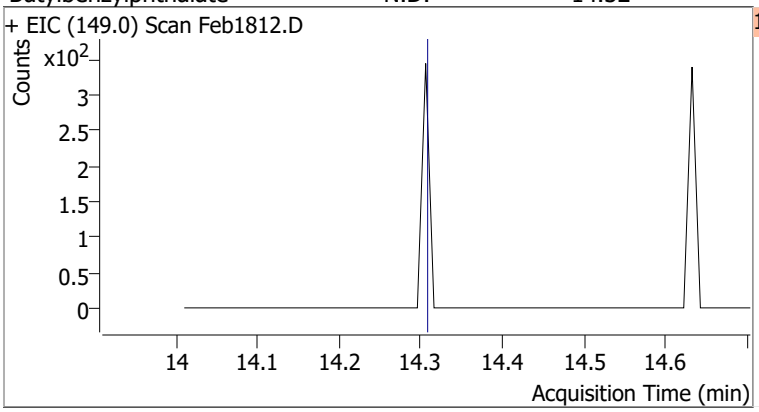
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	102.2438	12.88	0.00	2209315	122.0	14.6	10.1	18.7

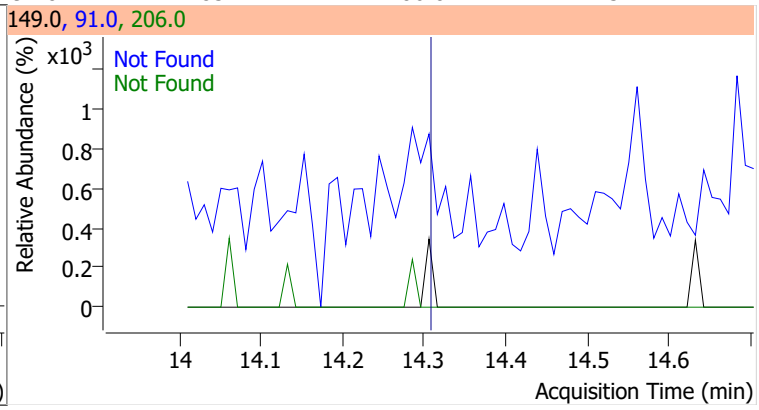




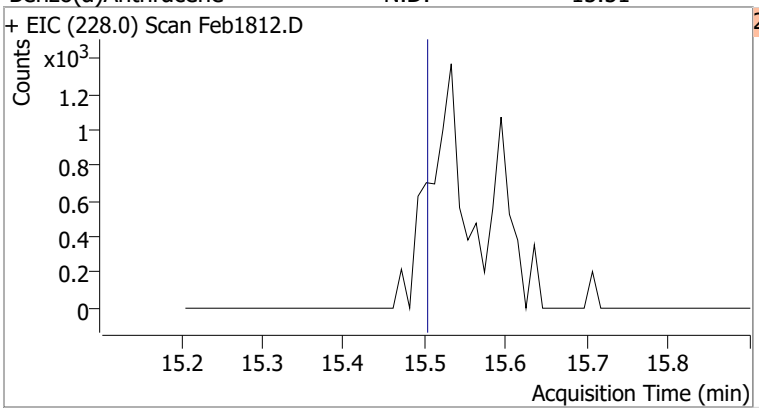


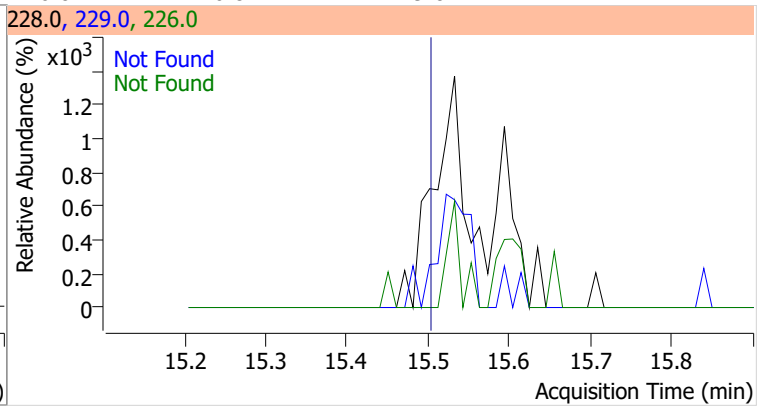
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



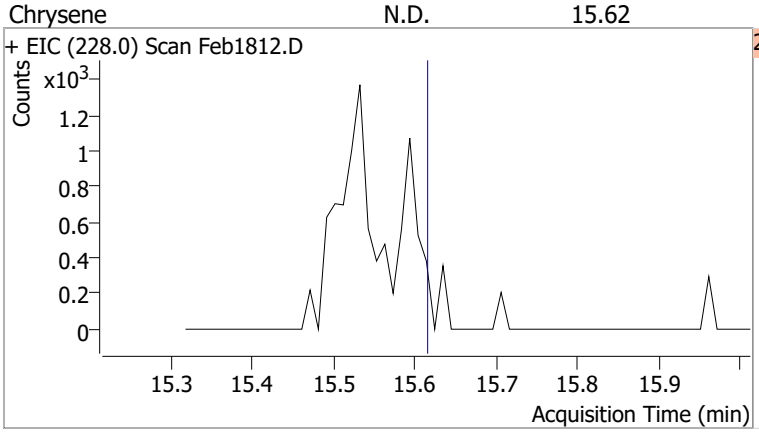


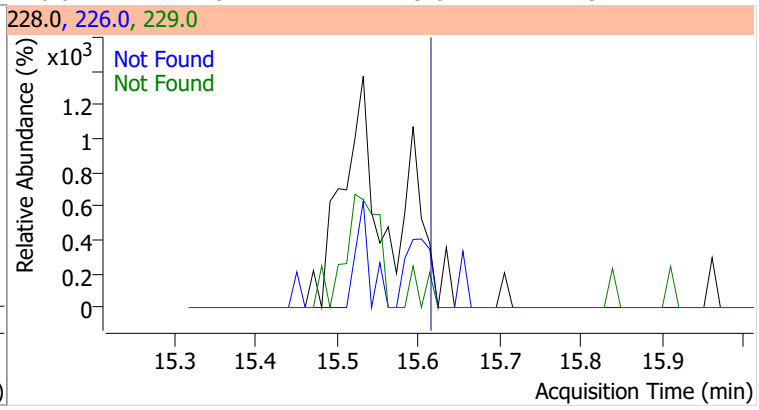
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



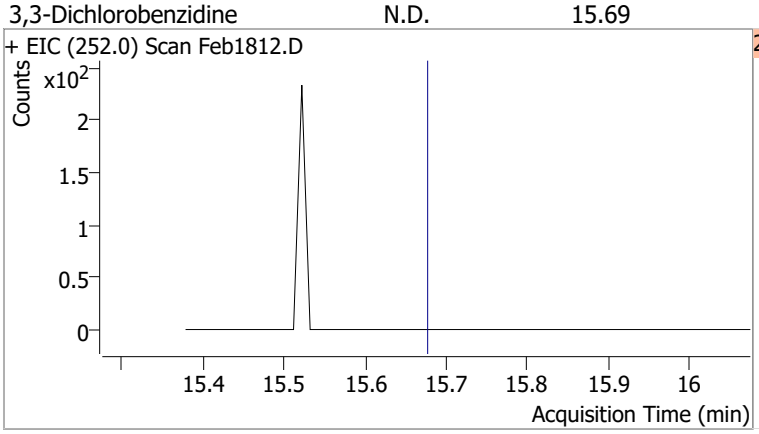


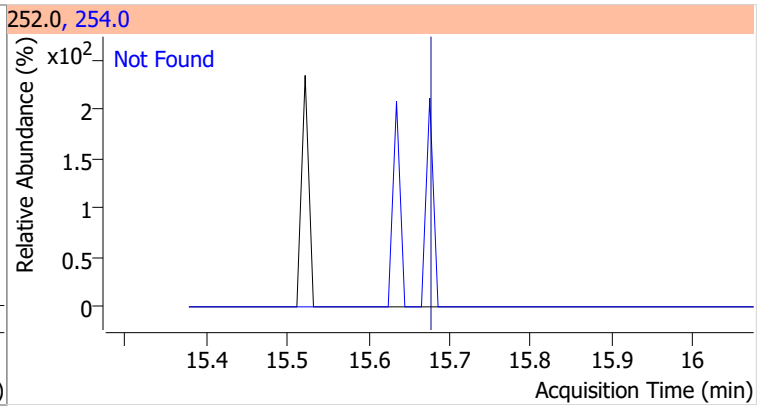
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



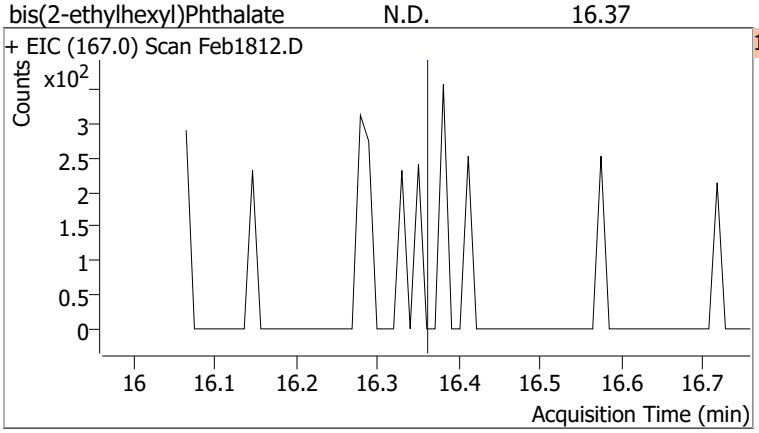


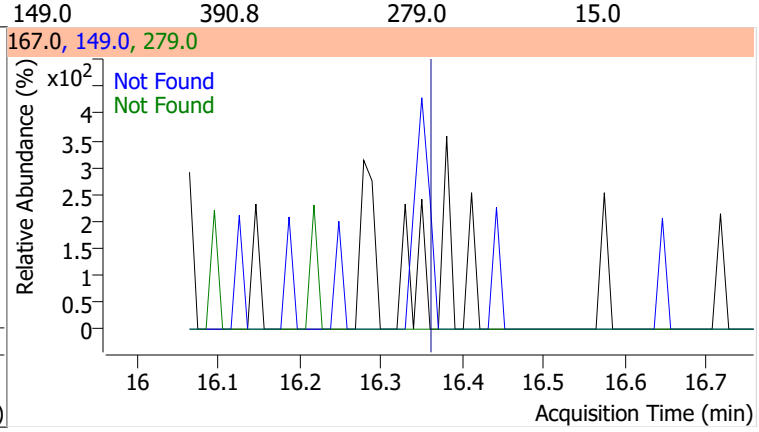
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



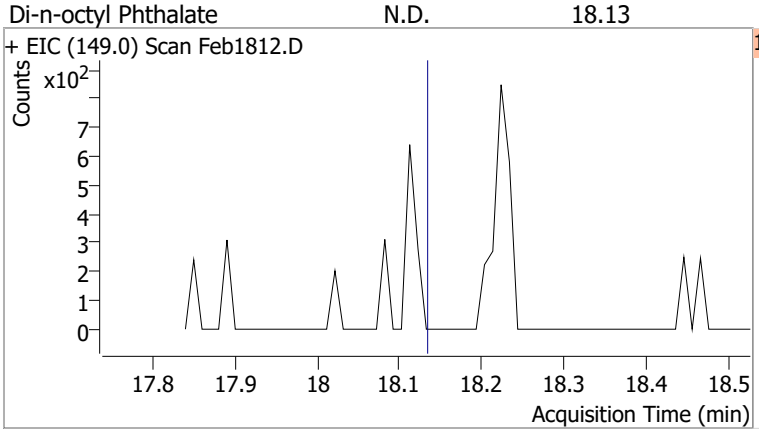


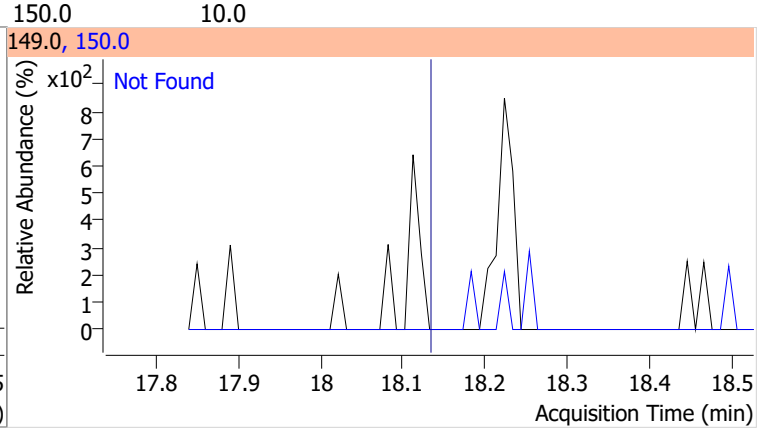
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



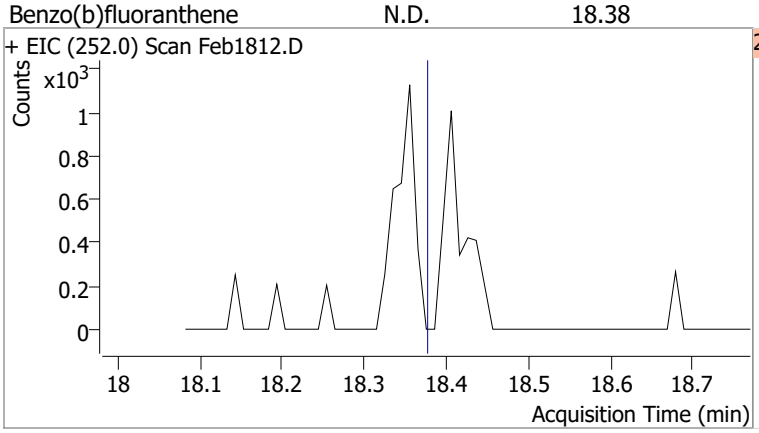


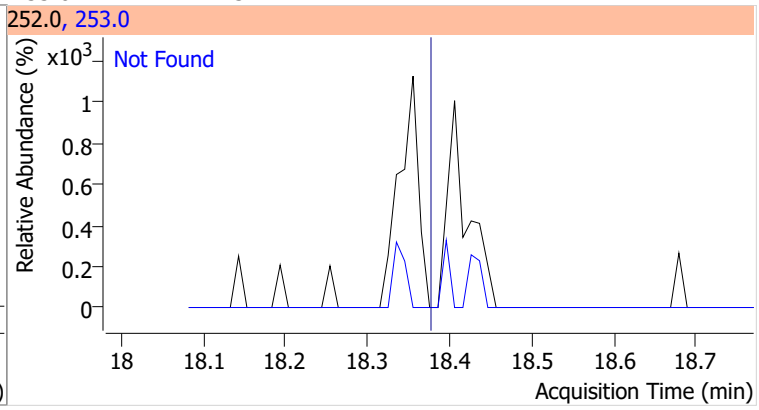
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



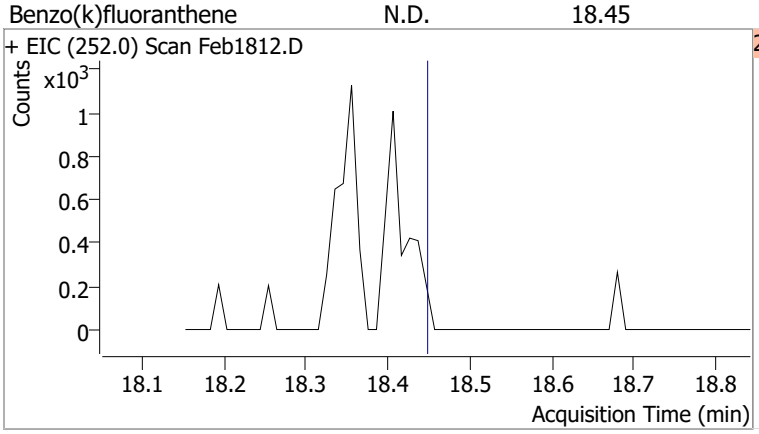


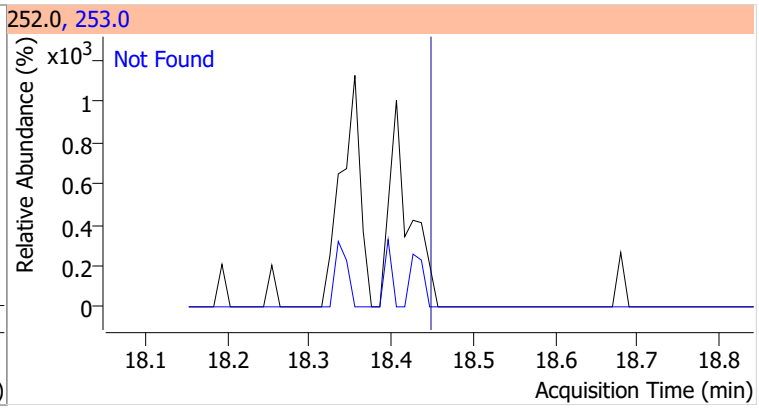
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



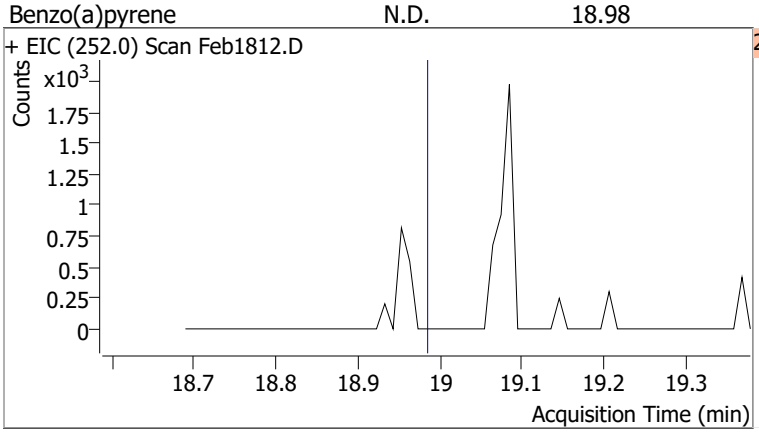


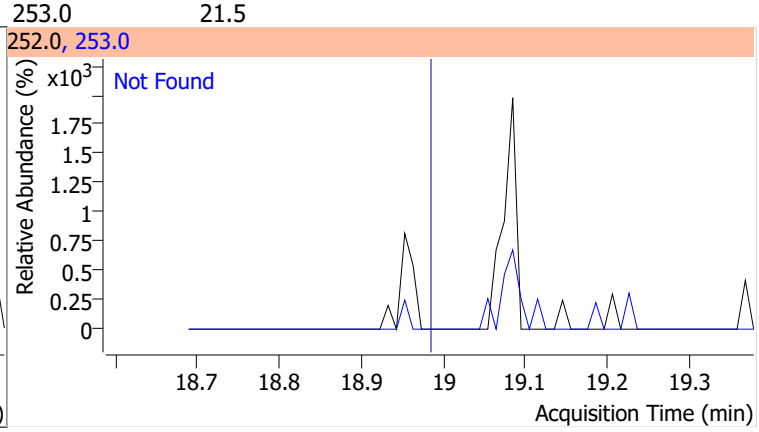
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



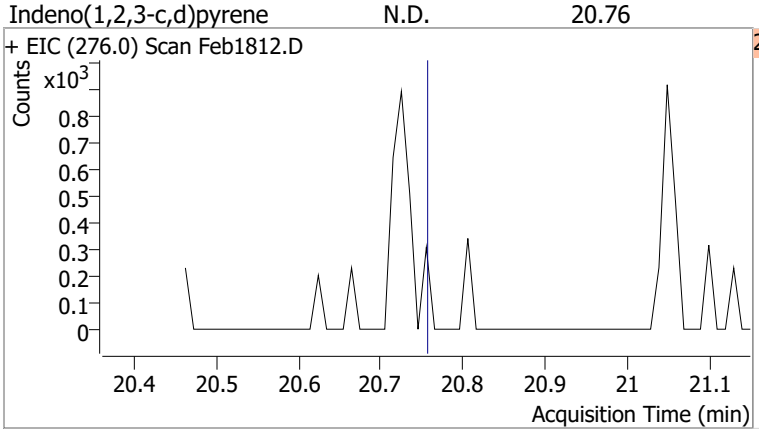


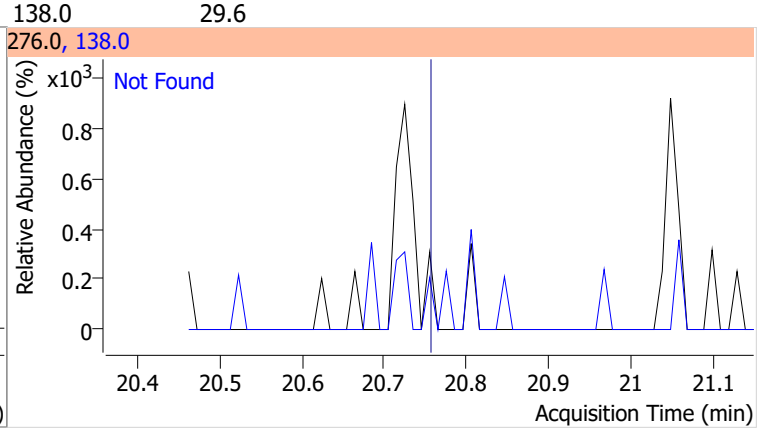
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



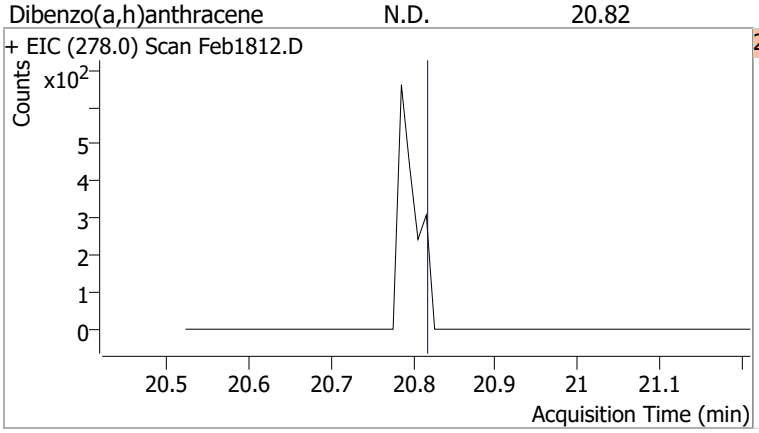


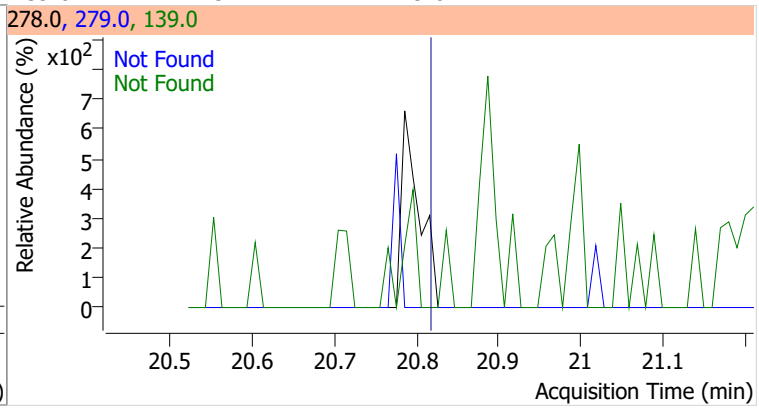
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



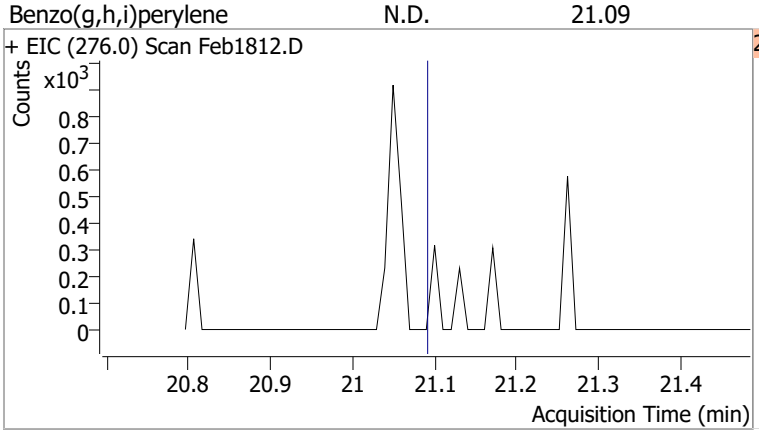


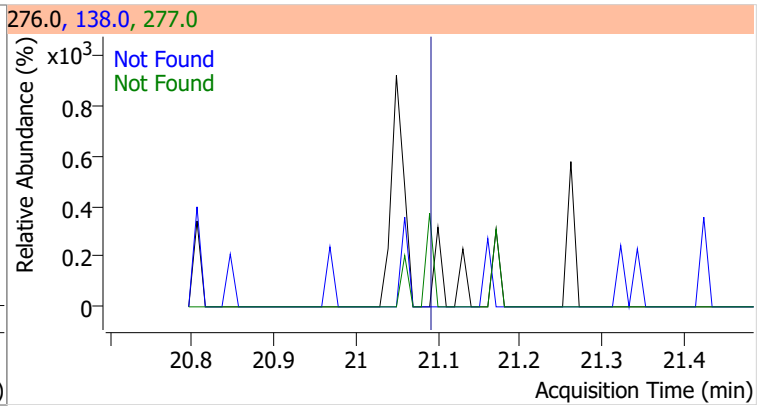
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





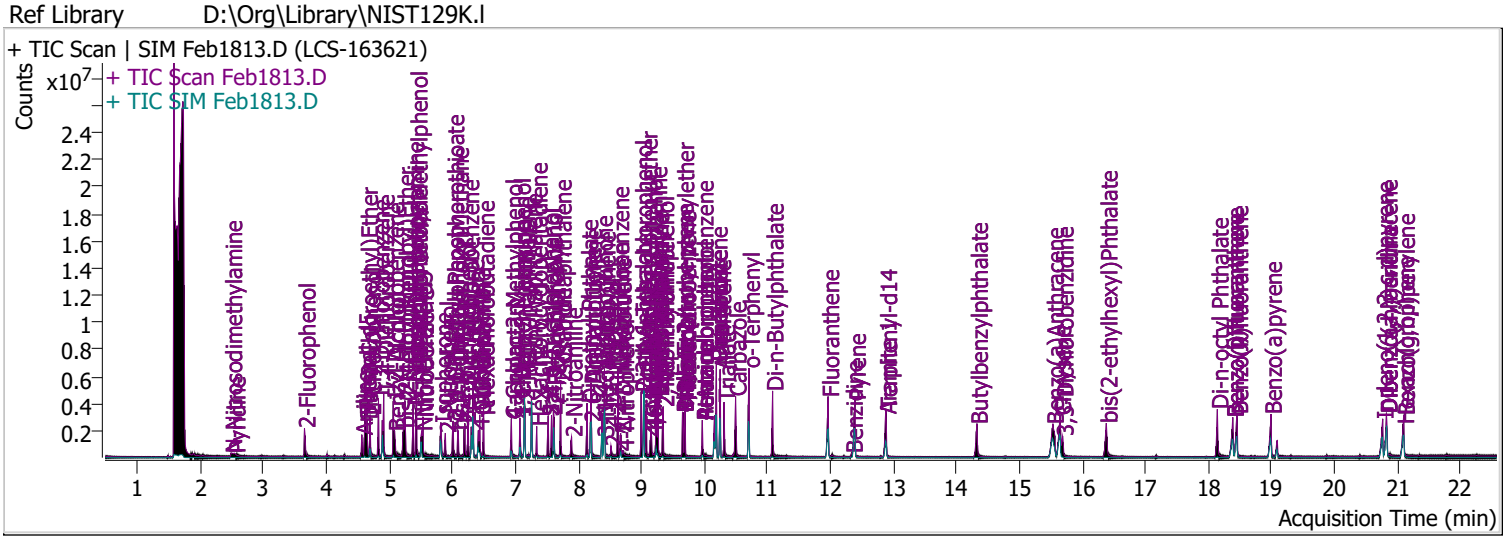
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1813.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 2:28:36 PM
Sample Name	LCS-163621	Instrument	Instrument #1
Vial	13	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



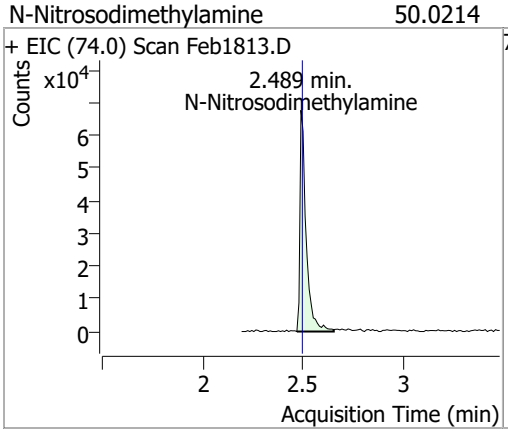
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	790090	79.1398	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 39.57%			
S Phenol-d5	4.613	99.0	1067912	83.3622	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 41.68%			
S Nitrobenzene-d5	5.512	82.0	554820	77.5747	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 77.57%			
S 2-Fluorobiphenyl	7.605	172.0	1446095	72.7922	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 72.79%			
S 2,4,6-Tribromophenol	9.346	329.8	371807	173.9696	µg/L		0.010
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 86.98%			
S Terphenyl-d14	12.885	244.3	2059362	94.3116	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 94.31%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.489	74.0	144643	50.0214	µg/L		91
T Pyridine	2.540	79.0	264147	35.8730	µg/L		96
T Aniline	4.562	93.0	801104	43.6262	µg/L	m	96
T Phenol	4.623	94.0	693974	48.9273	µg/L		90
T bis(-2-Chloroethyl)Ether	4.644	63.0	724305	75.0357	µg/L	m	95
T 2-Chlorophenol	4.695	128.0	790134	69.0913	µg/L		100
T 1,3-Dichlorobenzene	4.828	146.0	1007455	68.5535	µg/L	m	100
T 1,4-Dichlorobenzene	4.909	146.0	995784	67.0173	µg/L	m	98
T 1,2-Dichlorobenzene	5.063	146.0	968181	67.5402	µg/L	m	99
T Benzyl Alcohol	5.083	108.0	403698	71.2093	µg/L		93
T bis(2-chloroisopropyl)Ether	5.226	121.0	260037	67.4003	µg/L		99
T 2-Methylphenol	5.246	107.0	766017	77.2440	µg/L		95
T N-nitroso-Di-n-propylamine	5.379	70.0	663299	95.4374	µg/L		98
T 4Methylphenol/3Methylphenol	5.430	107.0	1082432	80.2605	µg/L		99
T Hexachloroethane	5.430	117.0	285014	65.5290	µg/L		99

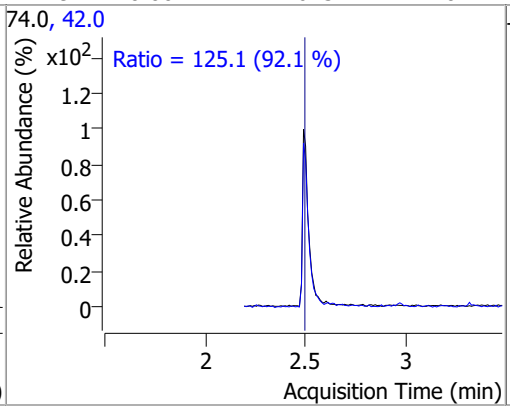
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.532	123.1	317767	88.7032	µg/L		97
T Isophorone	5.818	82.0	1346169	78.3656	µg/L		99
T 2-Nitrophenol	5.890	139.0	332539	85.2121	µg/L		99
T 2,4-Dimethylphenol	6.013	122.0	635814	79.5415	µg/L		99
T bis(-2-Chloroethoxy)Methane	6.085	93.0	817087	81.4176	µg/L		97
T 2,4-Dichlorophenol	6.198	162.0	587103	76.7890	µg/L		96
T Benzoic Acid	6.198	105.0	95620	27.7844	µg/L	#	75
T 1,2,4-Trichlorobenzene	6.249	180.0	663788	72.1113	µg/L		99
T Naphthalene	6.331	128.0	2245379	82.8087	µg/L		100
T 4-Chlorophenol	6.413	130.0	201518	70.3282	µg/L		96
T p-Chloroaniline	6.434	127.0	755095	70.6236	µg/L		97
T Hexachlorobutadiene	6.496	224.9	356289	74.9108	µg/L		97
T 4-Chloro-2-Methylphenol	6.937	107.0	585421	82.7433	µg/L	m	95
T 4-Chloro-3-Methylphenol	7.071	107.0	603491	81.5528	µg/L	m	99
T 2-Methylnaphthalene	7.142	141.0	1326679	85.6861	µg/L		98
T 1-Methylnaphthalene	7.255	141.0	1135357	75.3851	µg/L	m	98
T Hexachlorocyclopentadiene	7.338	236.9	220873	78.7344	µg/L		98
T 2,4,6-Trichlorophenol	7.522	196.0	447151	90.7519	µg/L		100
T 2,4,5-Trichlorophenol	7.574	196.0	467011	85.0706	µg/L		97
T 2-Chloronaphthalene	7.718	162.0	1438268	86.1967	µg/L		98
T 2-Nitroaniline	7.892	65.0	268073	89.5558	µg/L		94
T Dimethyl Phthalate	8.139	163.0	1634258	95.9027	µg/L		97
T 2,6-Dinitrotoluene	8.190	165.0	184533	80.0211	µg/L		98
T Acenaphthylene	8.200	152.1	2154312	80.7552	µg/L		99
T 3-Nitroaniline	8.394	138.0	204584	78.2222	µg/L		94
T Acenaphthene	8.415	154.0	1377071	90.7354	µg/L		99
T 2,4-Dinitrophenol	8.517	184.0	112924	93.1272	µg/L		95
T Dibenzofuran	8.630	168.0	2268050	91.7375	µg/L		96
T 2,4-Dinitrotoluene	8.671	165.0	260018	88.8357	µg/L		98
T 4-Nitrophenol	8.711	109.0	107931	40.6616	µg/L		94
T Diethylphthalate	8.998	149.0	1599342	90.7313	µg/L		99
T Fluorene	9.039	166.0	1770427	88.5141	µg/L		100
T 4-Chlorophenyl-phenylether	9.080	204.0	876155	96.1031	µg/L		99
T 4-Nitroaniline	9.151	138.0	265892	86.9077	µg/L		98
T 4,6-Dinitro-2-methylphenol	9.162	198.0	160008	85.4547	µg/L		99
T N-nitrosodiphenylamine	9.233	169.0	1244447	87.0305	µg/L		99
T Azobenzene	9.264	77.0	1510014	79.9499	µg/L		94
T 4-Bromophenyl-phenylether	9.663	248.0	484616	88.6852	µg/L		97
T Hexachlorobenzene	9.694	283.9	466964	84.9942	µg/L		99
T Pentachlorophenol	9.968	265.9	254951	95.8269	µg/L		94
T Phenanthrene	10.191	178.0	2693403	91.5742	µg/L		100
T Anthracene	10.252	178.0	2437792	87.0390	µg/L	m	99
T Triallate	10.313	86.0	565732	84.1294	µg/L		98
T Carbazole	10.495	167.0	2473107	86.9447	µg/L		99
T o-Terphenyl	10.708	230.0	1364509	86.7773	µg/L		99
T Di-n-Butylphthalate	11.082	149.0	2614560	94.5230	µg/L		99
T Fluoranthene	11.963	202.0	2611915	87.7646	µg/L		99
T Benzidine	12.338	184.0	186195	17.4983	µg/L		98
T Pyrene	12.389	202.0	2770024	85.4318	µg/L		99
T Butylbenzylphthalate	14.326	149.0	894803	95.1521	µg/L		98
T Benzo(a)Anthracene	15.532	228.0	2291235	96.6502	µg/L		99
T Chrysene	15.645	228.0	2454212	93.0468	µg/L		99
T 3,3-Dichlorobenzidine	15.685	252.0	594442	71.7573	µg/L		99
T bis(2-ethylhexyl)Phthalate	16.380	167.0	314217	96.4207	µg/L		96
T Di-n-octyl Phthalate	18.143	149.0	2071905	91.3142	µg/L		99

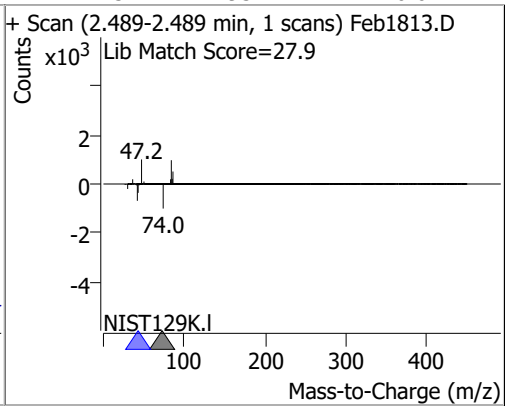
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.386	252.0	2128073	88.5109	µg/L	99
T Benzo(k)fluoranthene	18.456	252.0	2224032	87.5537	µg/L	99
T Benzo(a)pyrene	18.993	252.0	1978488	86.5188	µg/L	98
T Indeno(1,2,3-c,d)pyrene	20.765	276.0	1679669	87.6141	µg/L	96
T Dibenzo(a,h)anthracene	20.826	278.0	1949155	93.2754	µg/L	99
T Benzo(g,h,i)perylene	21.099	276.0	1909358	86.3123	µg/L	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

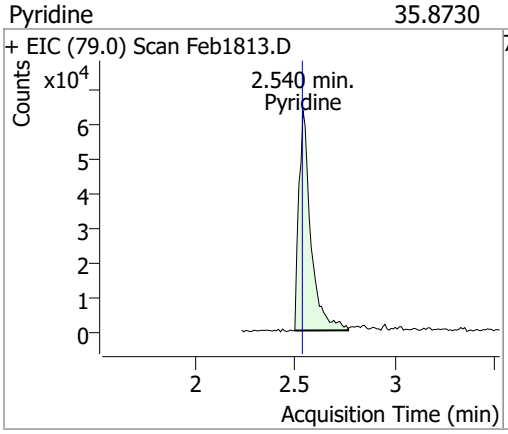
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	50.0214	2.49	0.00	144643	42.0	125.1	95.1	176.6

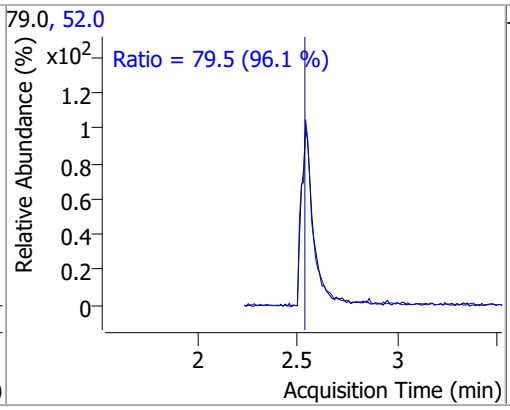


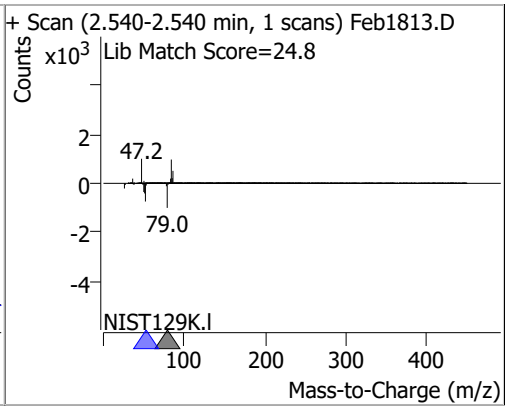




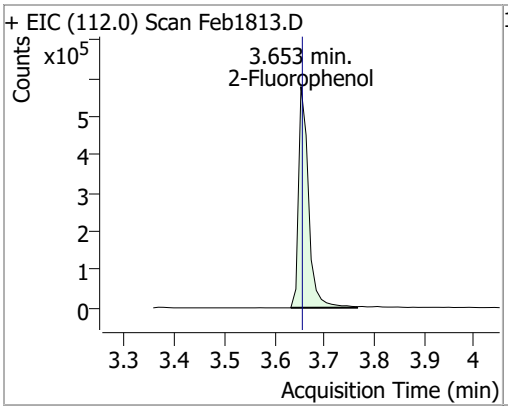
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	35.8730	2.54	0.01	264147	52.0	79.5	57.9	107.6

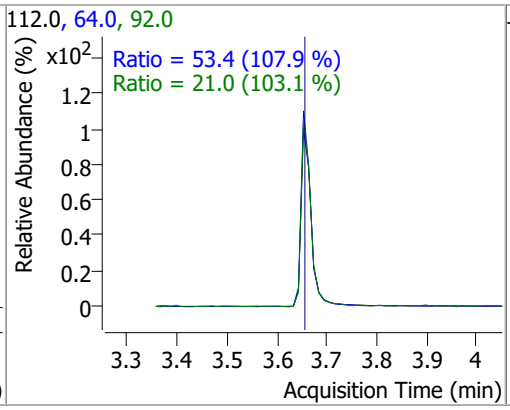


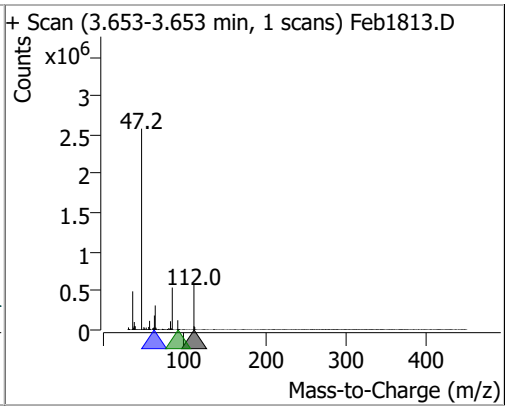




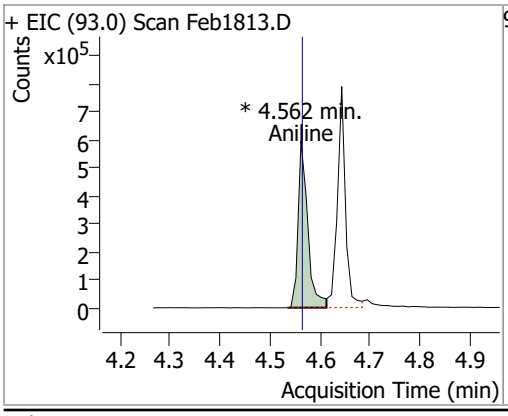
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	79.1398	3.65	0.00	790090	64.0	53.4	34.6	64.3
					92.0	21.0	14.2	26.5

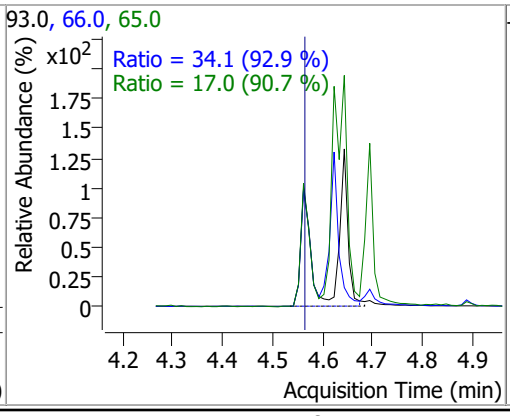


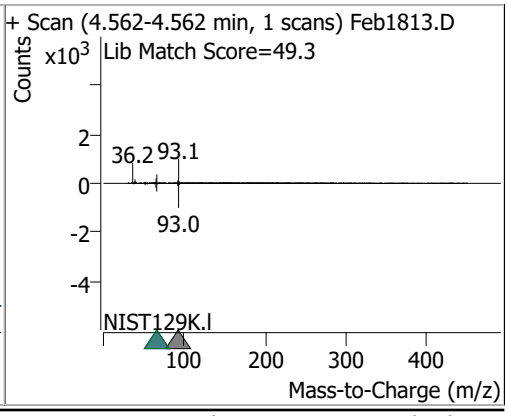




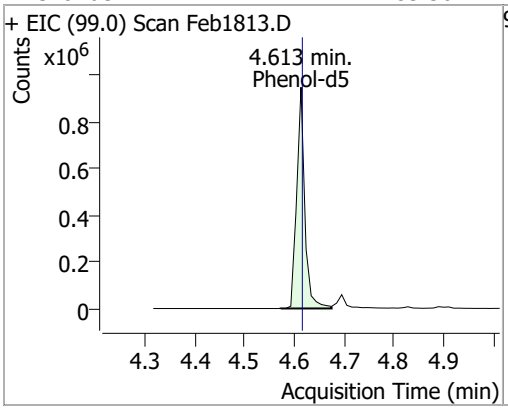
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	43.6262	4.56	0.00	801104 (m)	66.0	34.1	25.7	47.8
					65.0	17.0	13.1	24.4

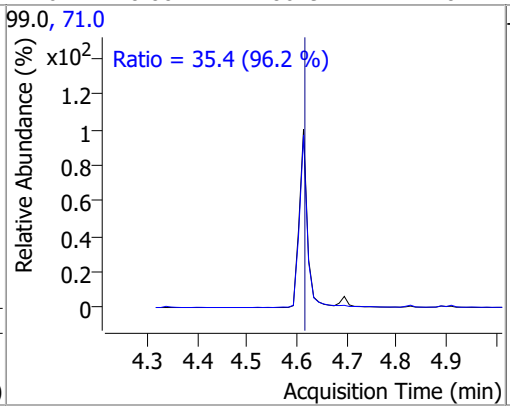


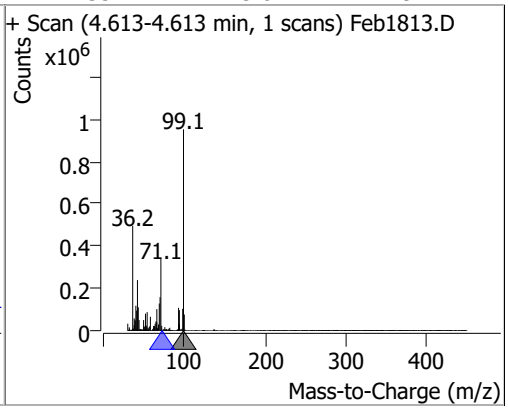




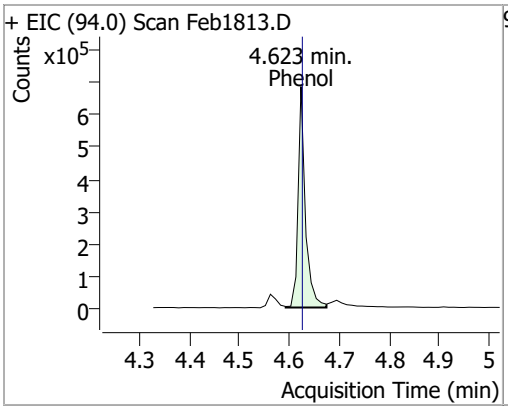
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	83.3622	4.61	0.00	1067912	71.0	35.4	25.8	47.9

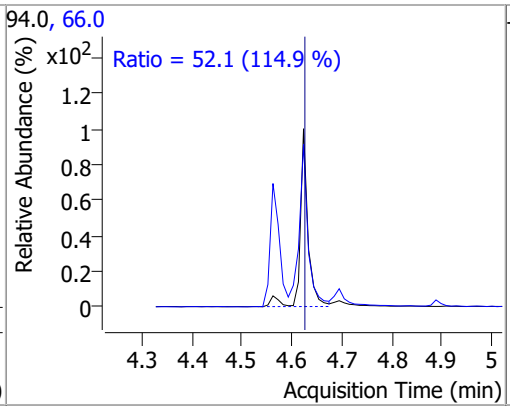


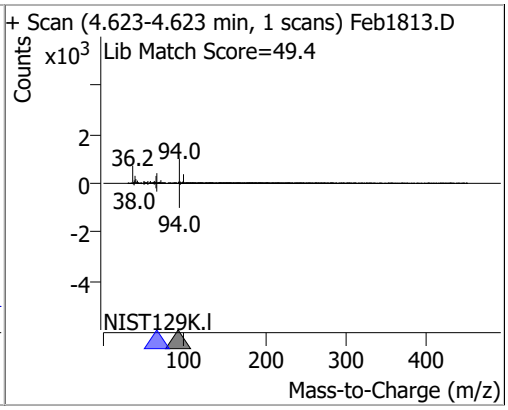




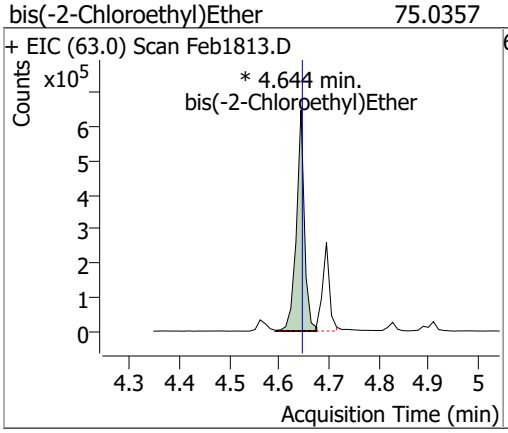
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	48.9273	4.62	0.00	693974	66.0	52.1	31.7	58.9

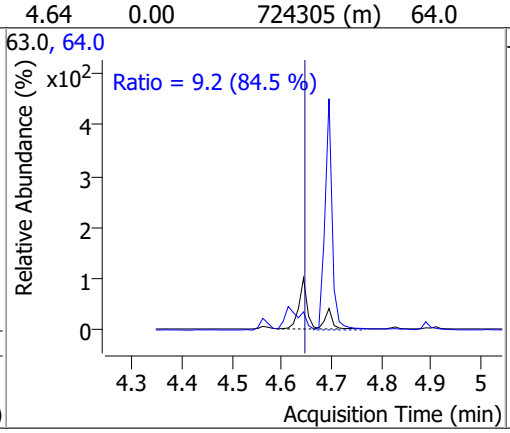


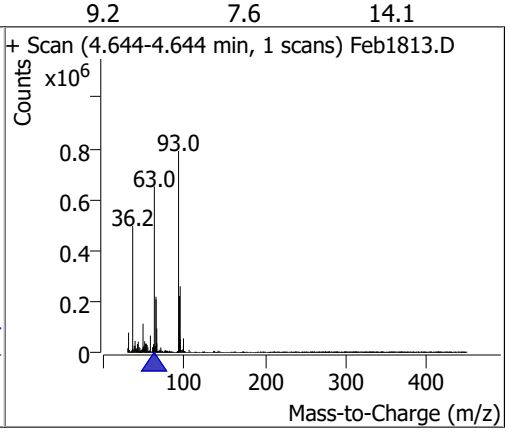




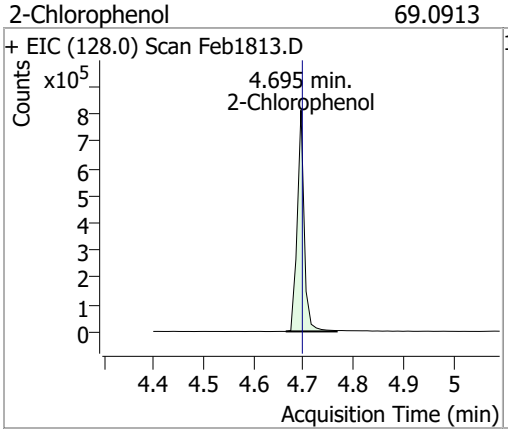
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	75.0357	4.64	0.00	724305 (m)	64.0	9.2	7.6	14.1

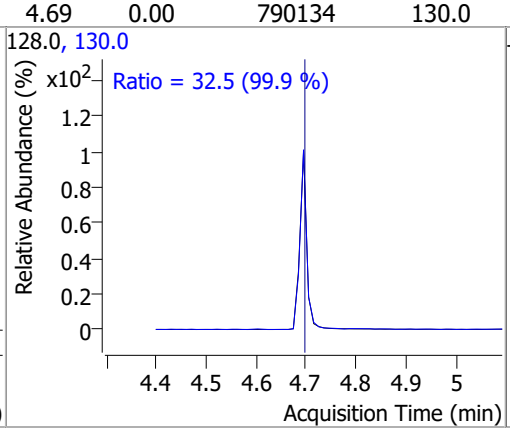


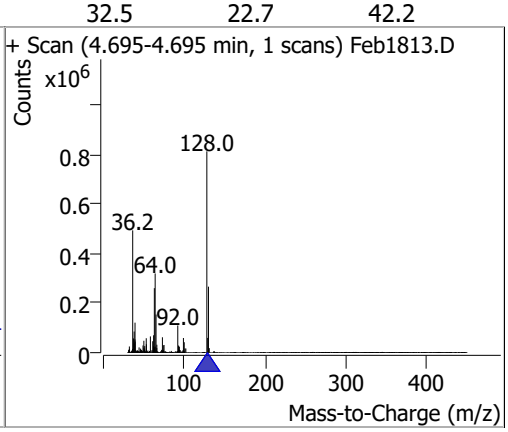




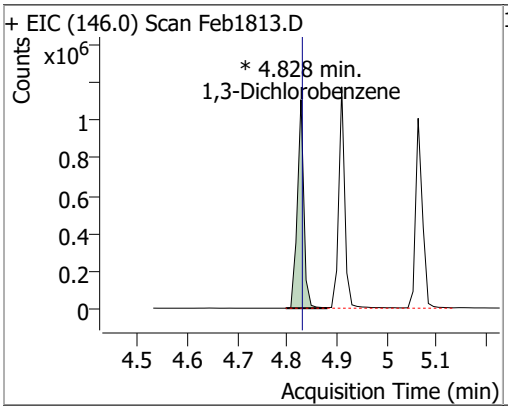
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	69.0913	4.69	0.00	790134	130.0	32.5	22.7	42.2

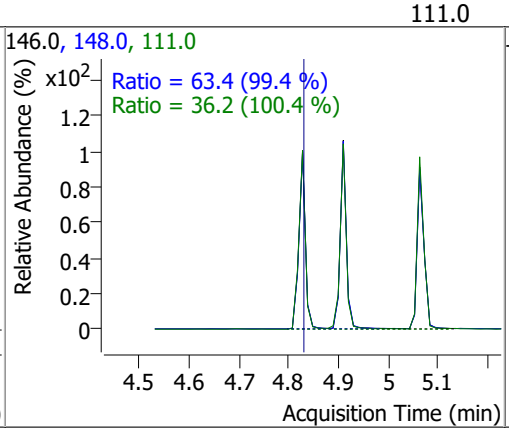


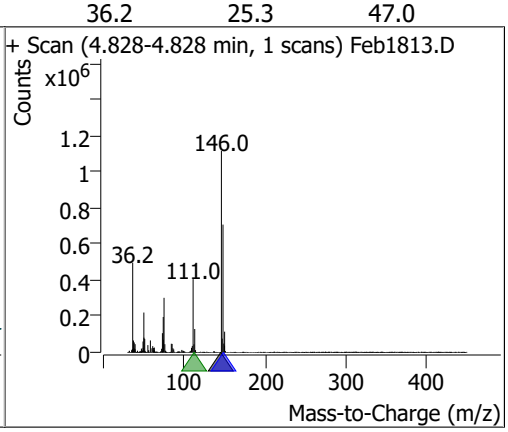




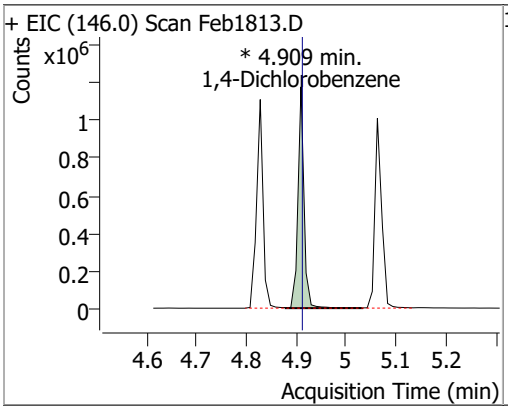
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	68.5535	4.83	0.00	1007455 (m)	148.0	63.4	44.6	82.8
					111.0	36.2	25.3	47.0

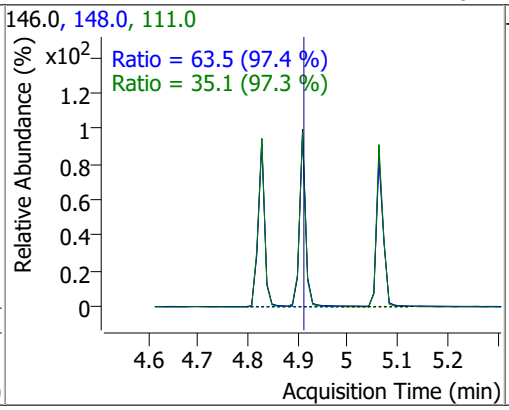


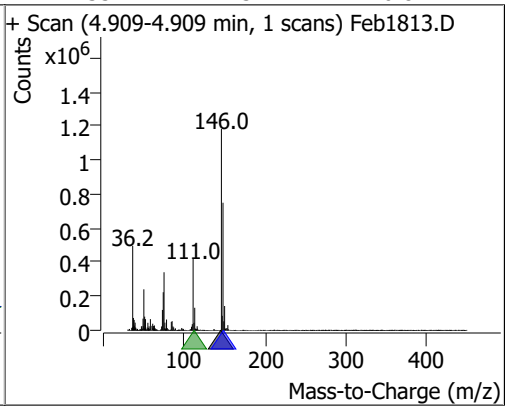




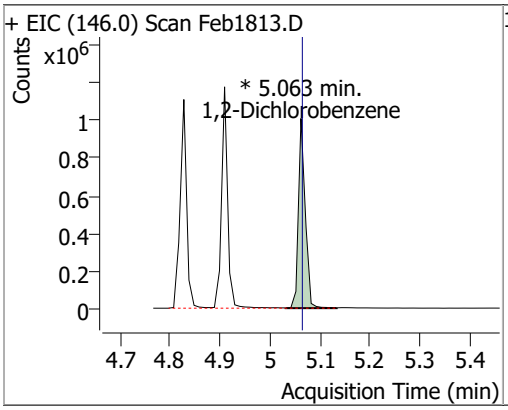
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	67.0173	4.91	0.00	995784 (m)	148.0	63.5	45.6	84.8
					111.0	35.1	25.2	46.8

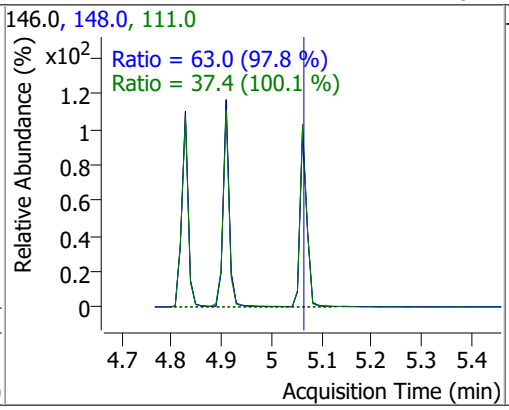


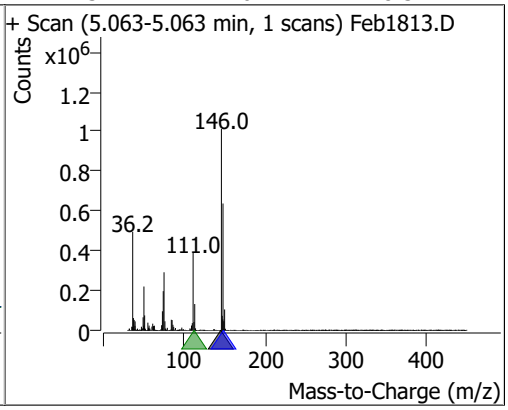




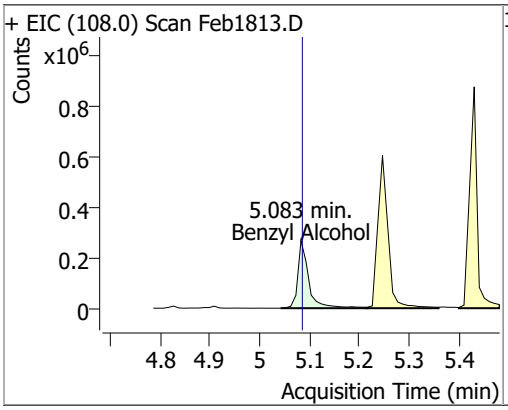
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	67.5402	5.06	0.00	968181 (m)	148.0	63.0	45.1	83.8
					111.0	37.4	26.1	48.5

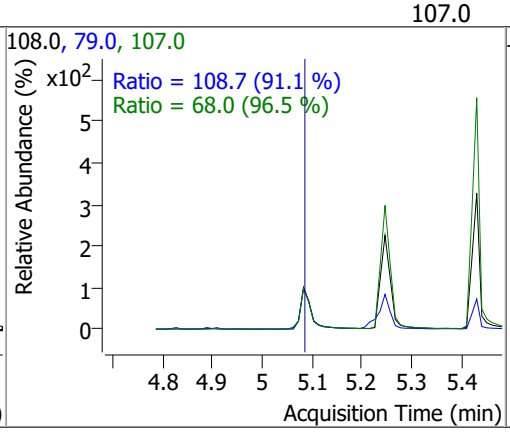


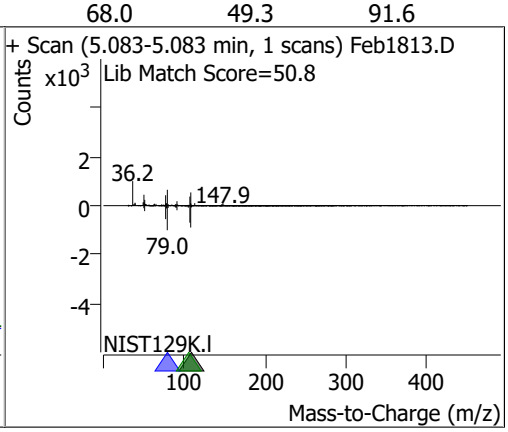




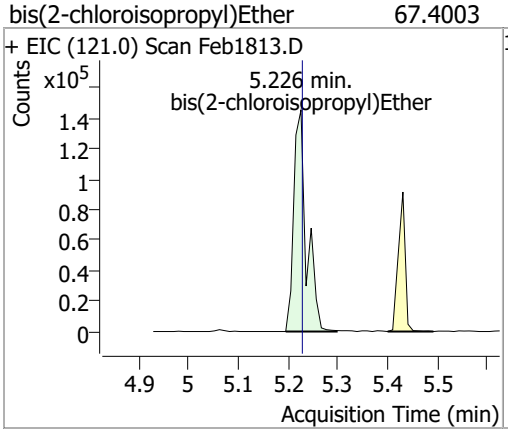
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	71.2093	5.08	0.00	403698	79.0	108.7	83.5	155.1
					107.0	68.0	49.3	91.6

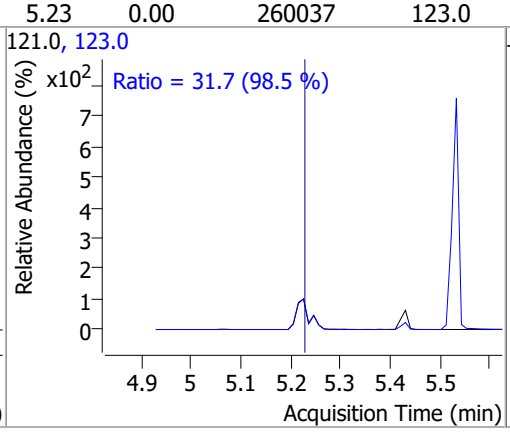


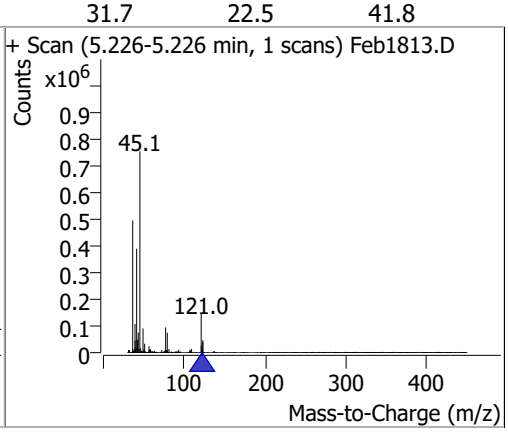




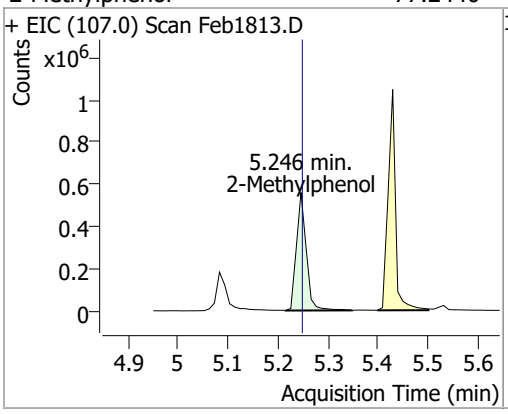
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	67.4003	5.23	0.00	260037	123.0	31.7	22.5	41.8

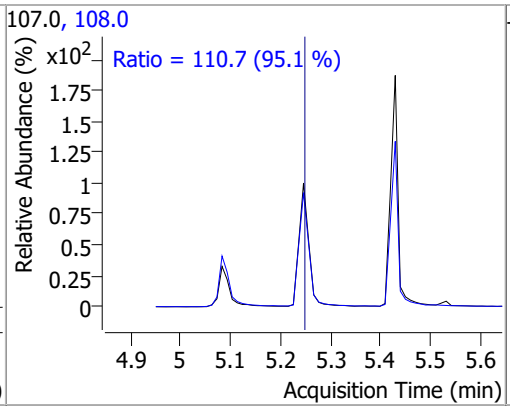


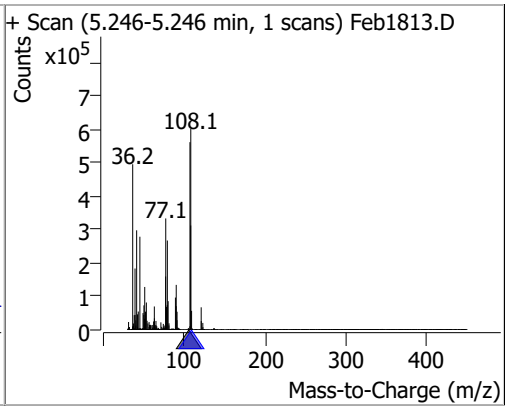




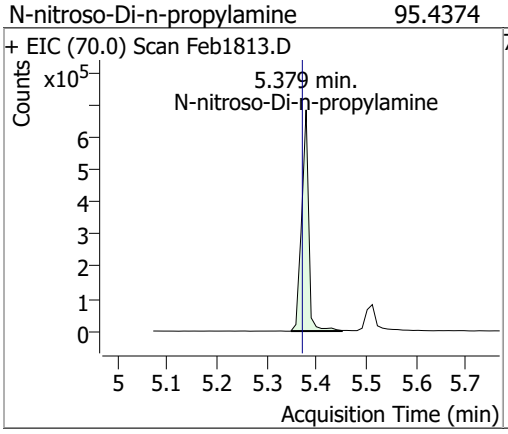
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	77.2440	5.25	0.00	766017	108.0	110.7	81.5	151.4

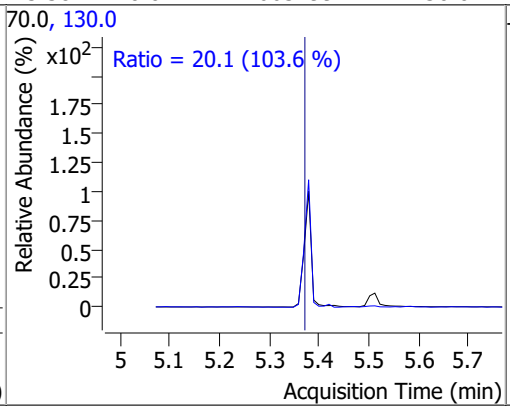


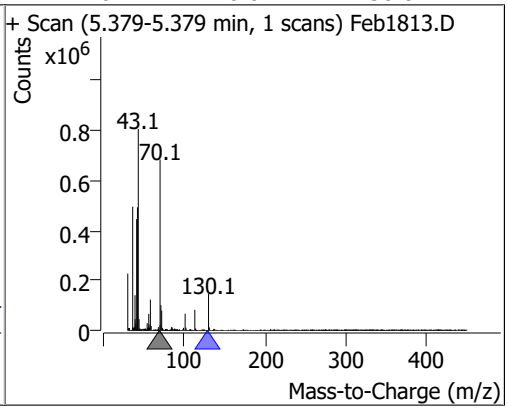




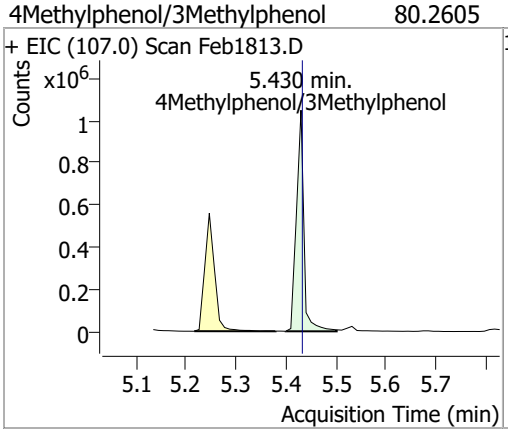
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	95.4374	5.38	0.01	663299	130.0	20.1	0.0	38.8

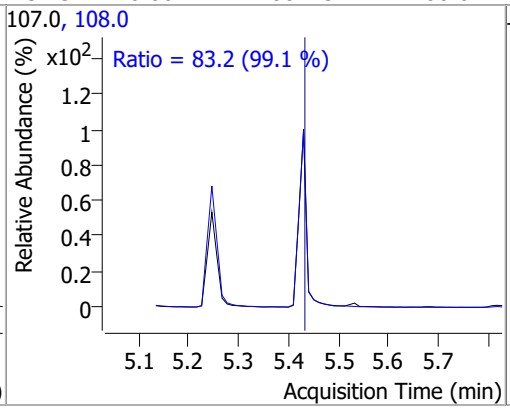


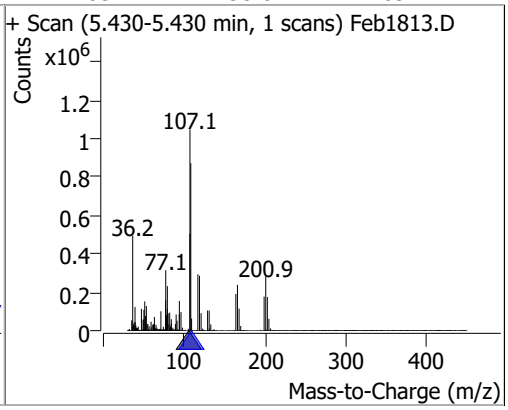




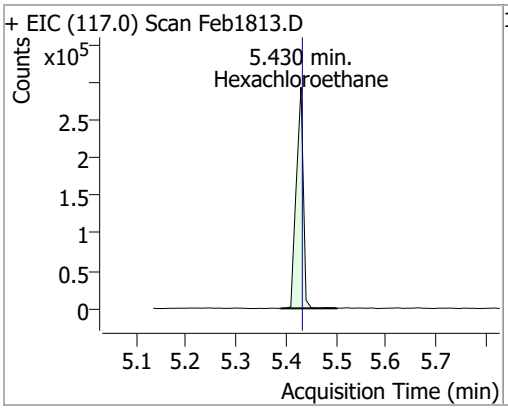
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	80.2605	5.43	0.00	1082432	108.0	83.2	58.8	109.1

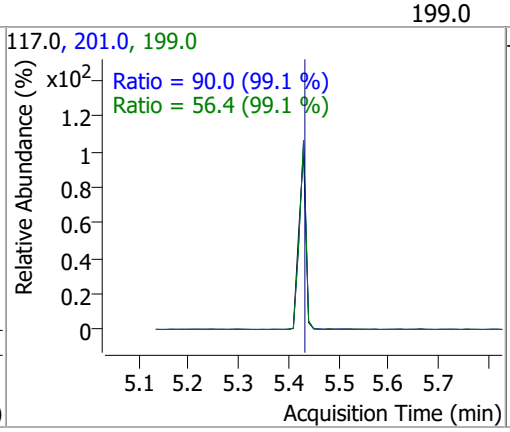


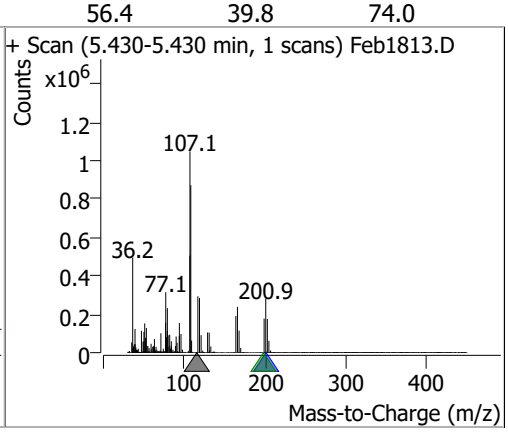




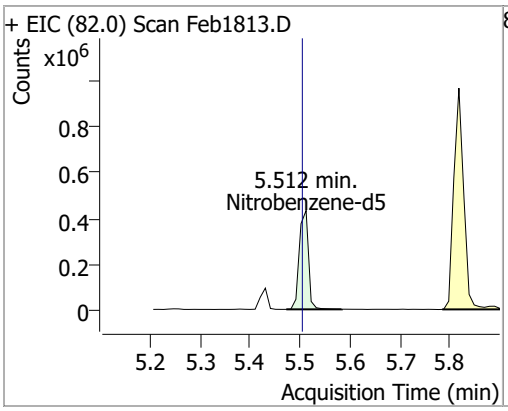
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	65.5290	5.43	0.00	285014	201.0	90.0	63.5	118.0
					199.0	56.4	39.8	74.0

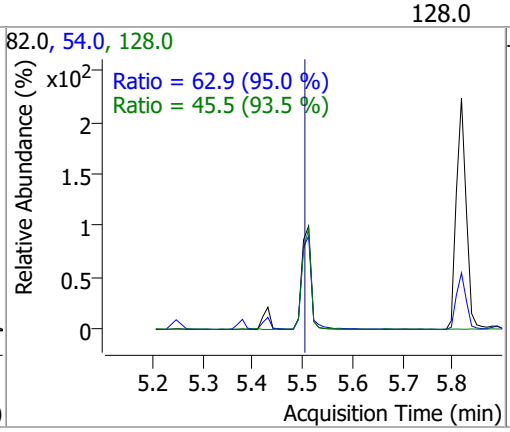


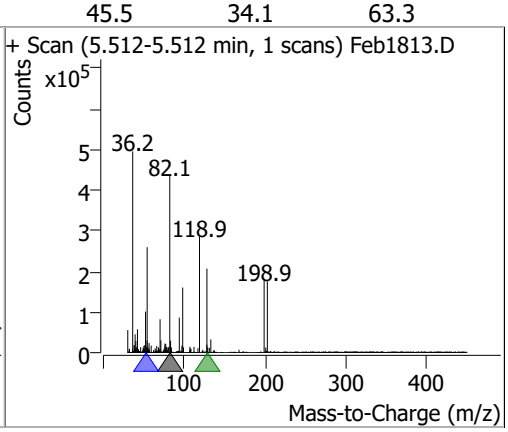




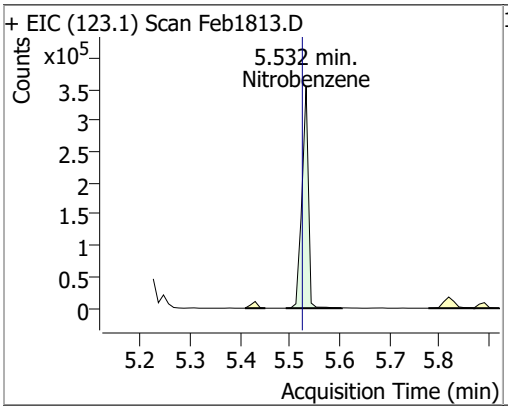
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	77.5747	5.51	0.01	554820	54.0	62.9	46.3	86.0
					128.0	45.5	34.1	63.3

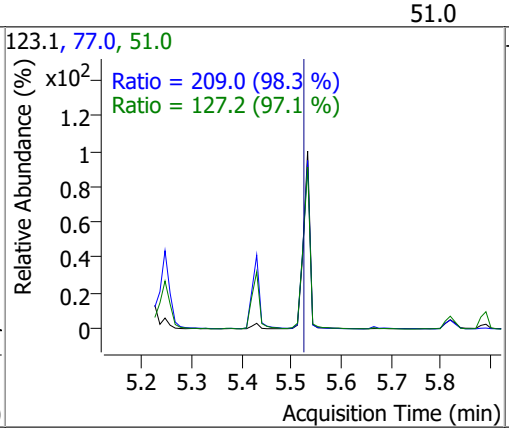


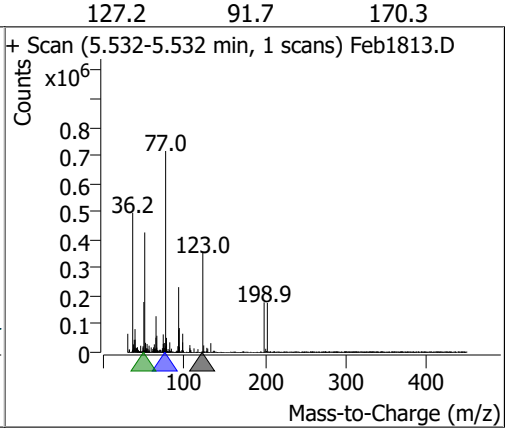




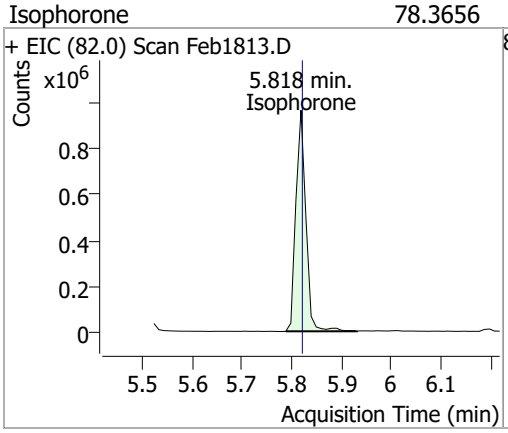
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	88.7032	5.53	0.01	317767	77.0	209.0	148.9	276.5
					51.0	127.2	91.7	170.3

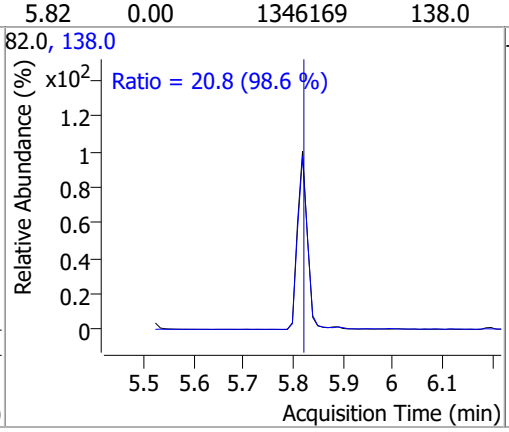


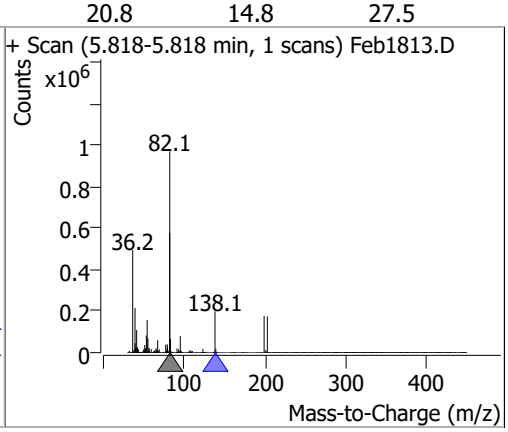




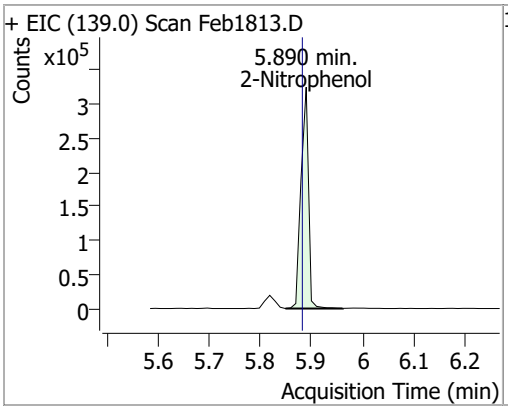
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	78.3656	5.82	0.00	1346169	138.0	20.8	14.8	27.5

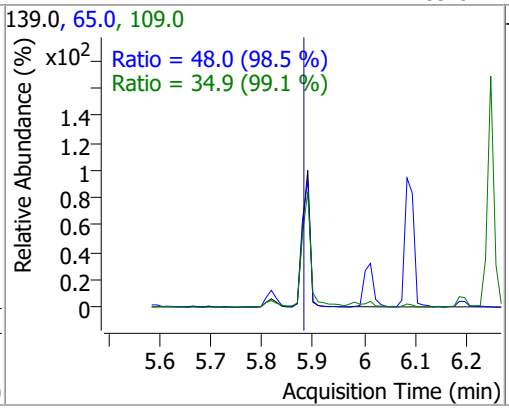


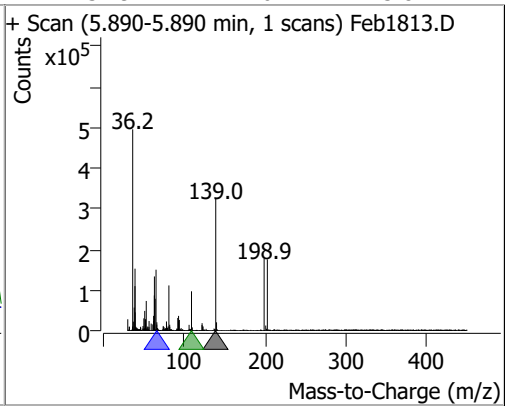




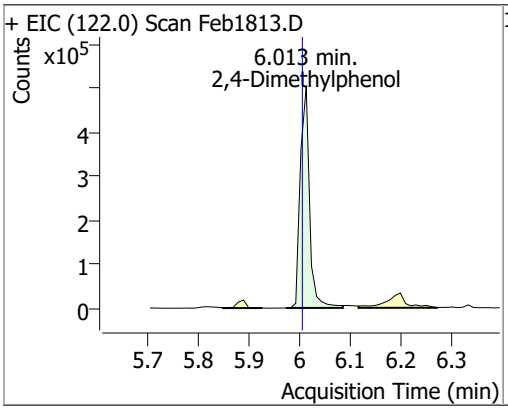
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	85.2121	5.89	0.01	332539	65.0	48.0	34.2	63.4
					109.0	34.9	24.6	45.8

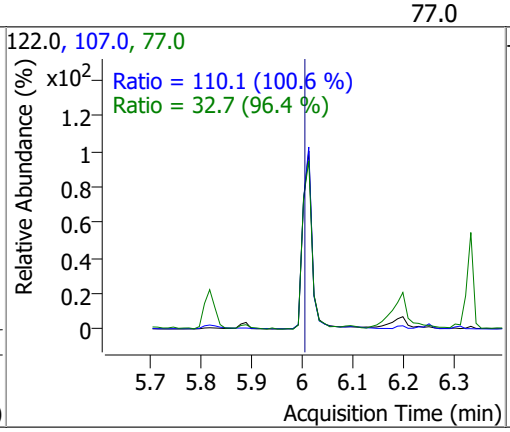


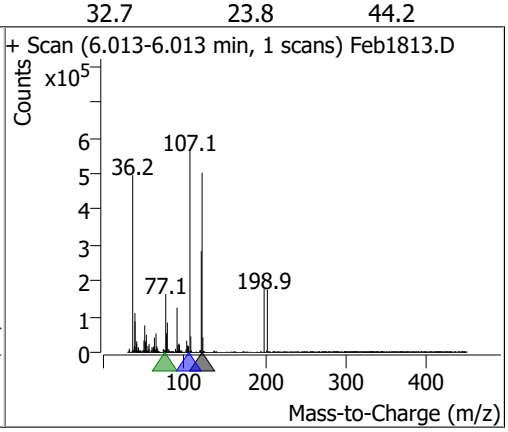




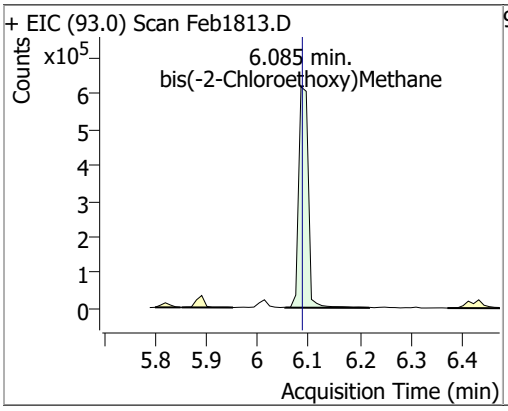
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	79.5415	6.01	0.01	635814	107.0	110.1	76.6	142.3
					77.0	32.7	23.8	44.2

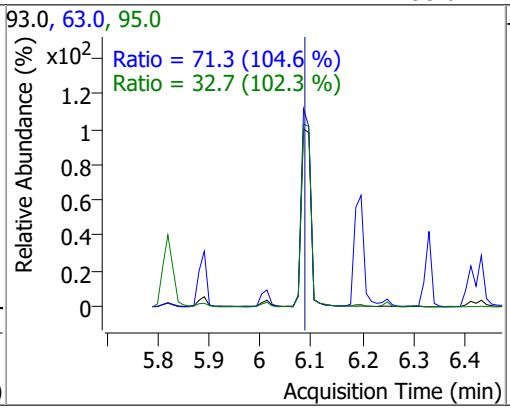


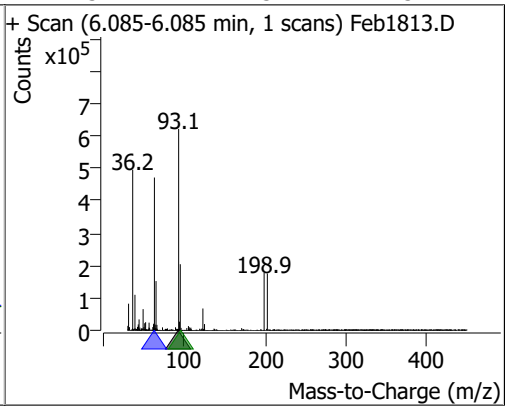




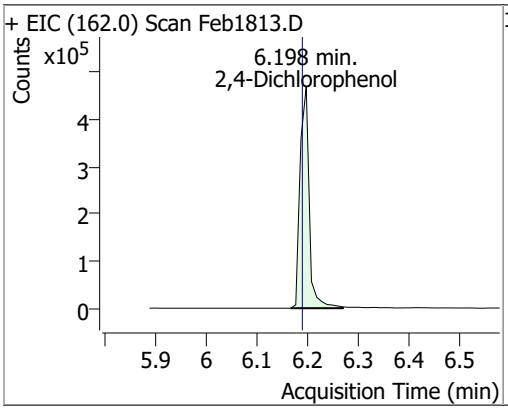
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	81.4176	6.08	0.00	817087	63.0	71.3	47.7	88.6
					95.0	32.7	22.3	41.5

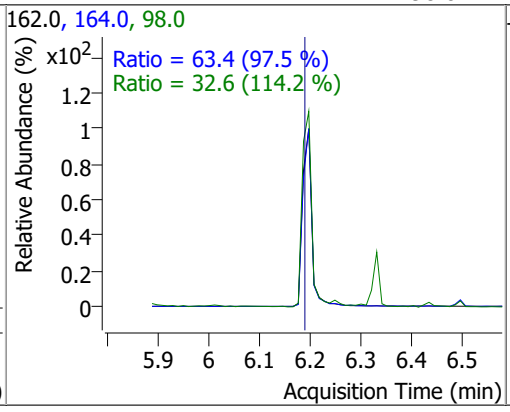


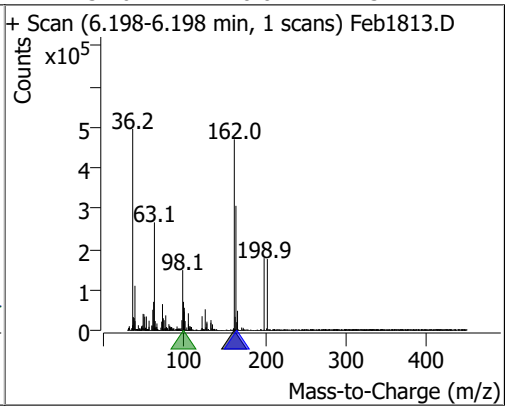




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	76.7890	6.20	0.01	587103	164.0	63.4	45.5	84.5
					98.0	32.6	20.0	37.1

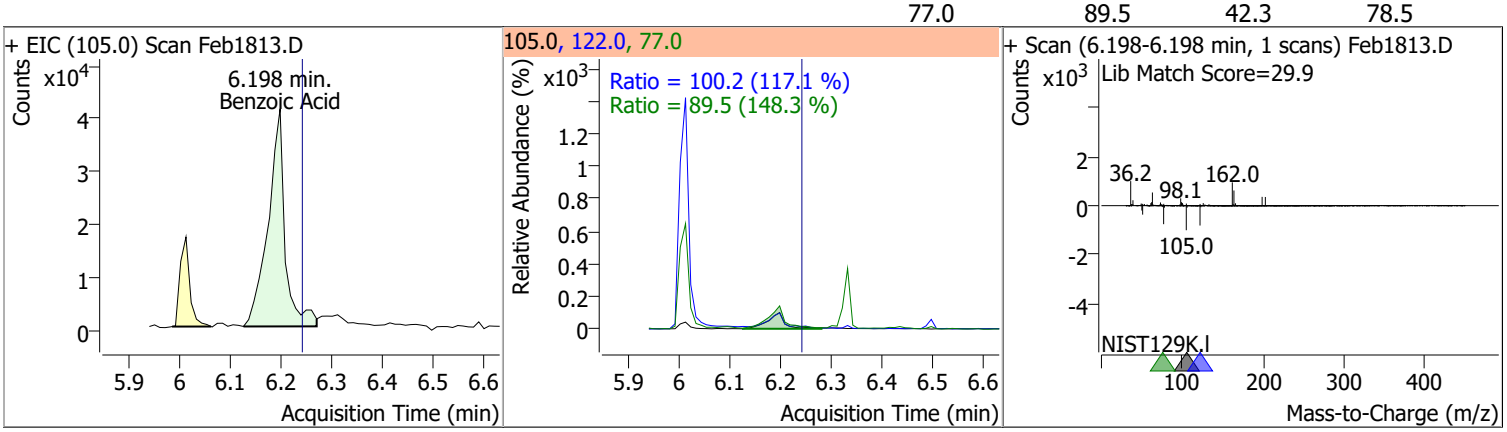




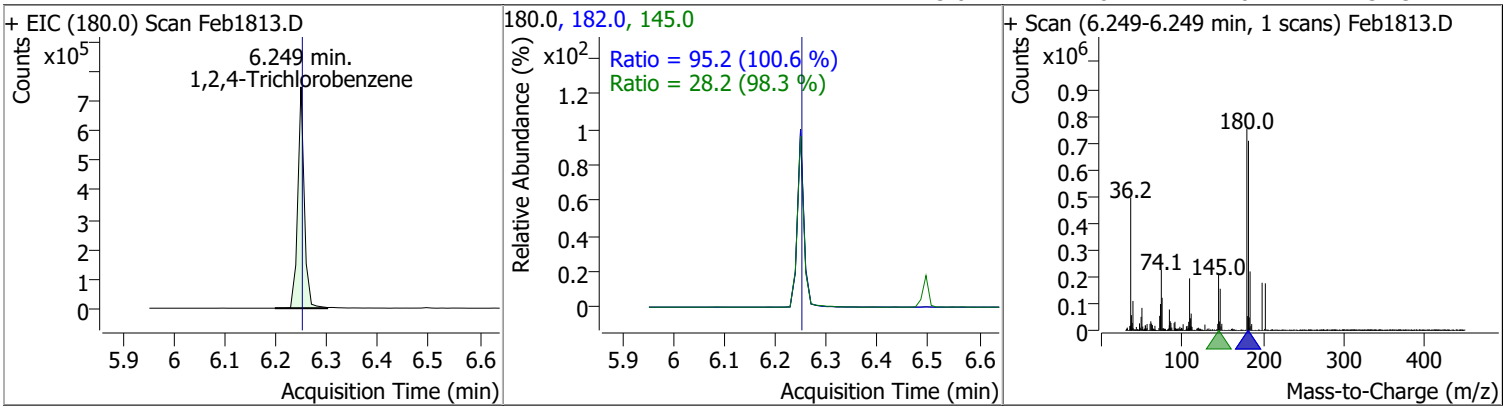


Quantitation Results Report (QT Reviewed)

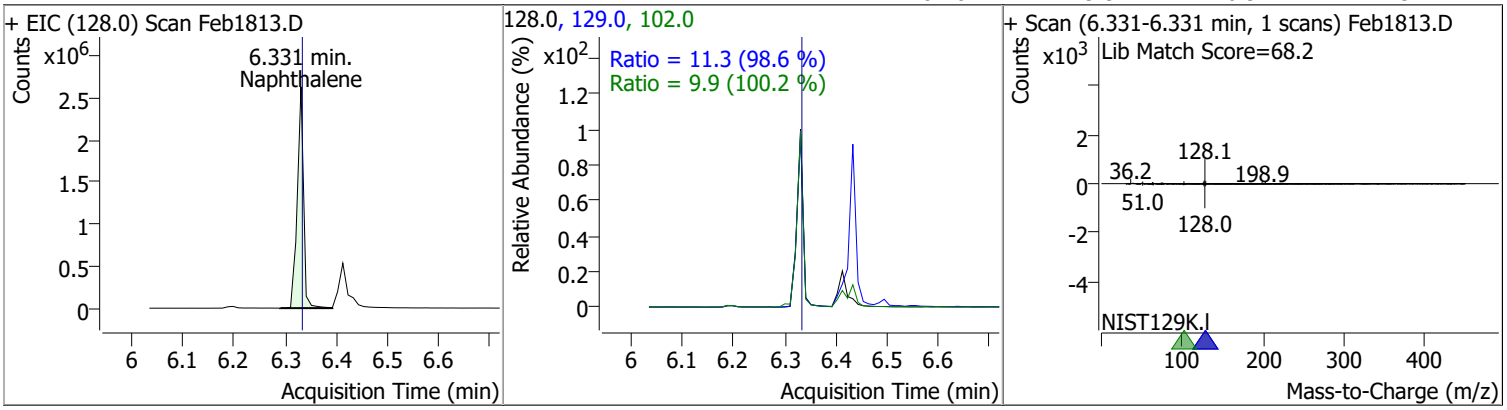
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	27.7844	6.20	-0.04	95620	122.0	100.2	59.9	111.2
					77.0	89.5	42.3	78.5



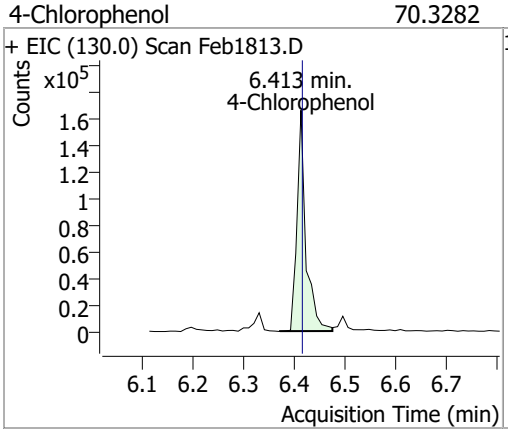
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	72.1113	6.25	0.00	663788	182.0	95.2	66.2	122.9
					145.0	28.2	20.1	37.3

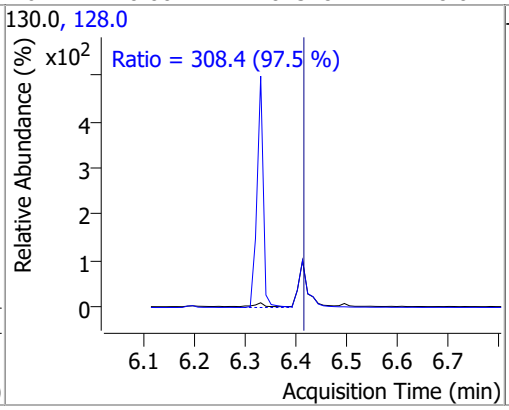


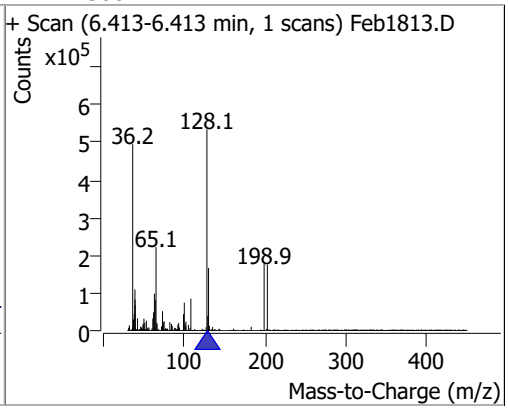
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	82.8087	6.33	0.00	2245379	129.0	11.3	8.0	14.9
					102.0	9.9	6.9	12.9



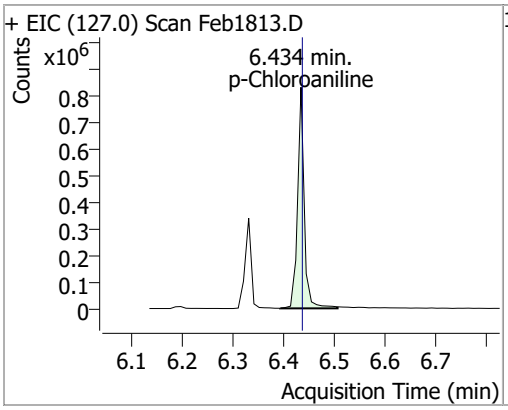
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	70.3282	6.41	0.00	201518	128.0	308.4	221.4	411.2

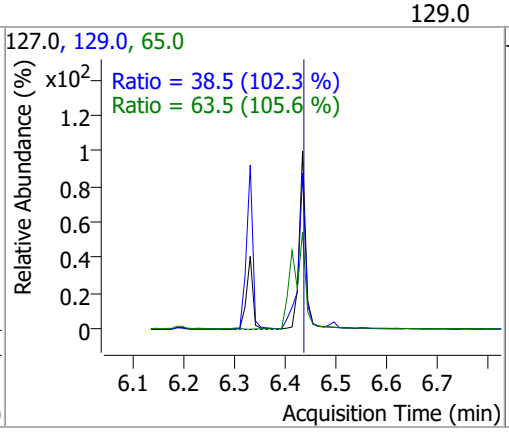


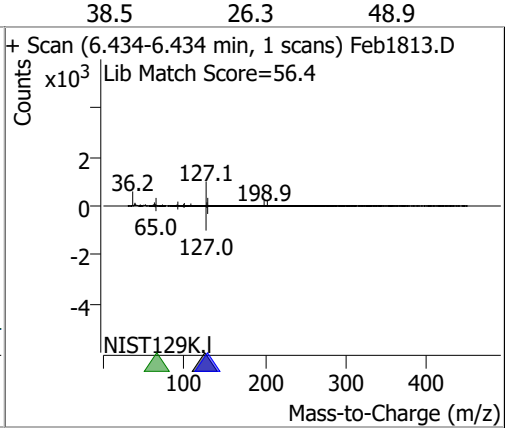




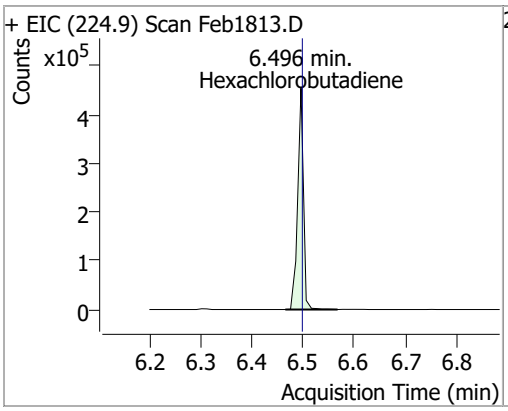
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	70.6236	6.43	0.00	755095	65.0	63.5	42.1	78.2
					129.0	38.5	26.3	48.9

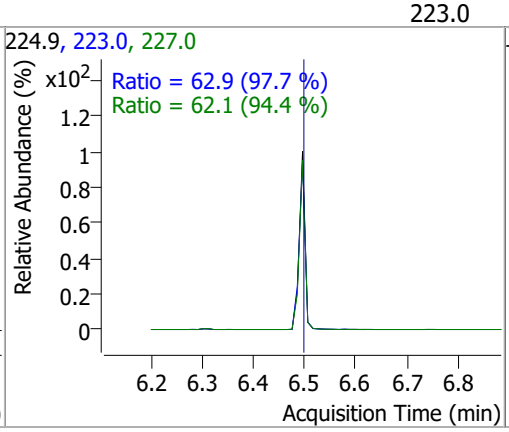


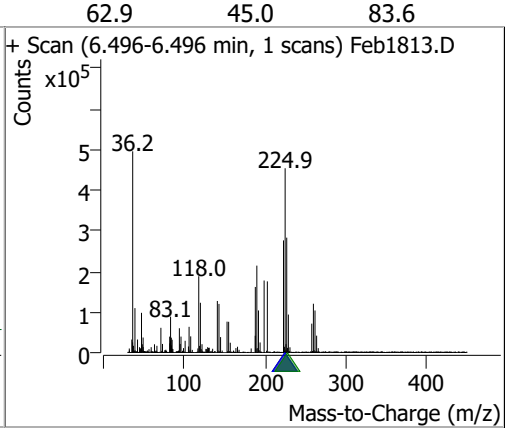




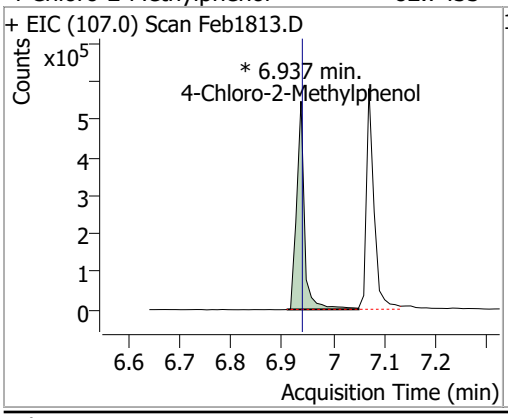
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	74.9108	6.50	0.00	356289	227.0	62.1	46.0	85.4
					223.0	62.9	45.0	83.6

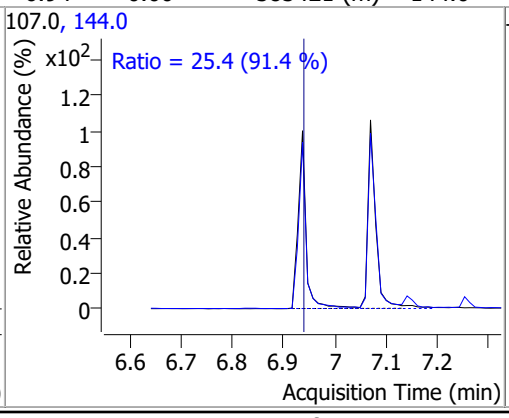


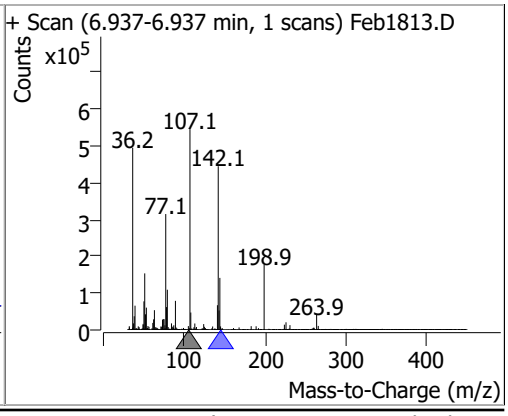




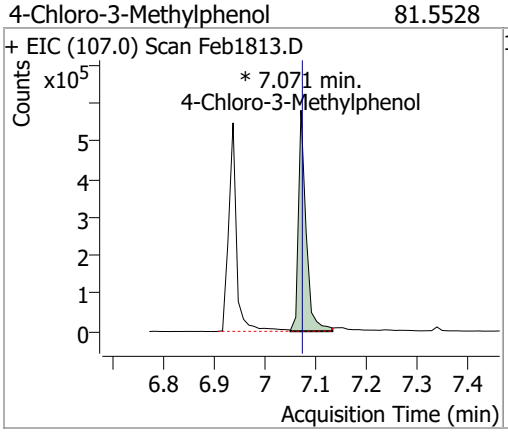
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	82.7433	6.94	0.00	585421 (m)	144.0	25.4	19.4	36.1

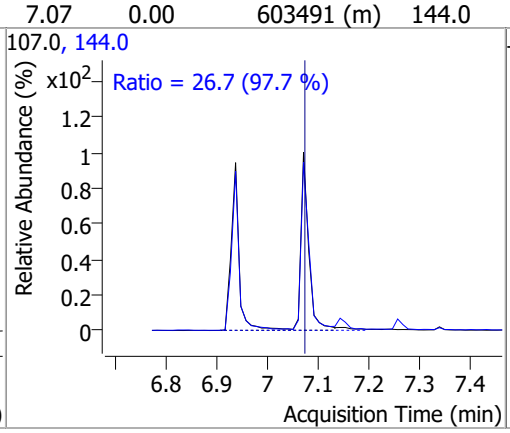


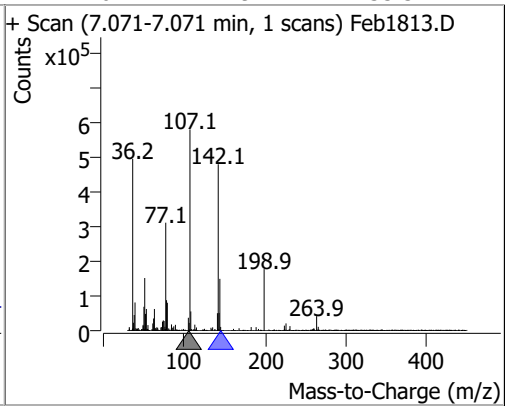




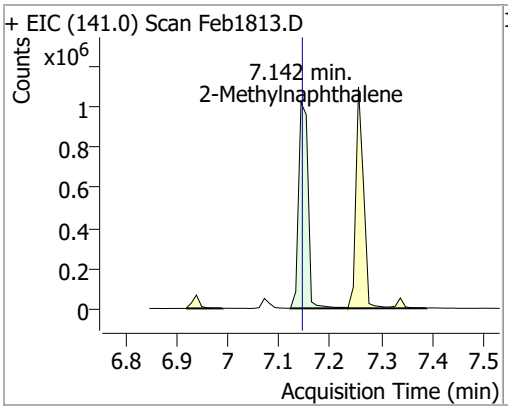
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	81.5528	7.07	0.00	603491 (m)	144.0	26.7	19.1	35.5

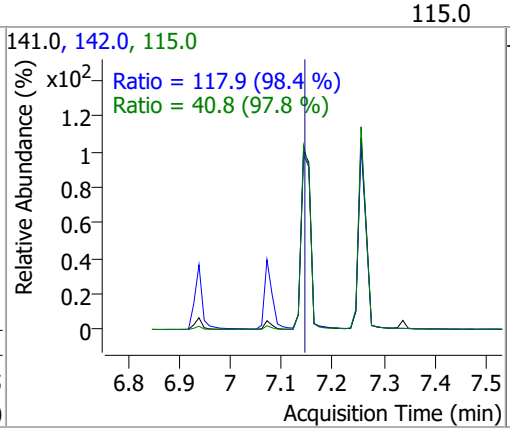


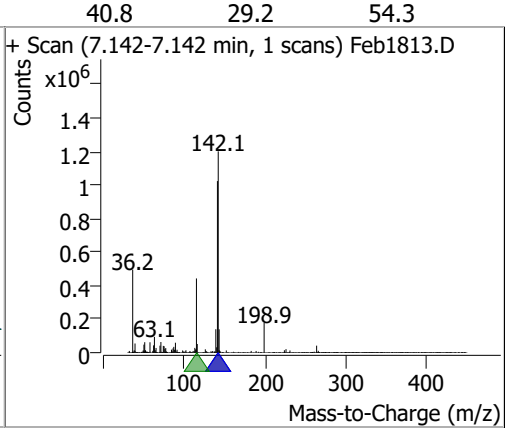




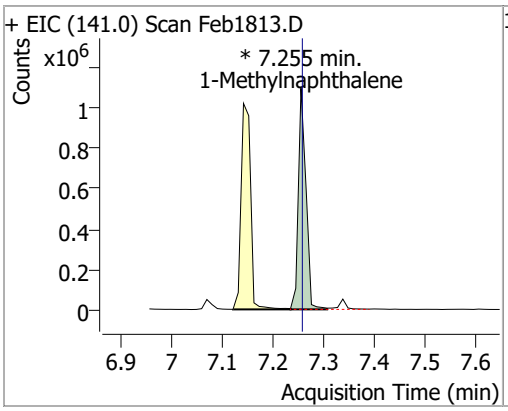
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	85.6861	7.14	0.00	1326679	142.0	117.9	83.8	155.7
					115.0	40.8	29.2	54.3

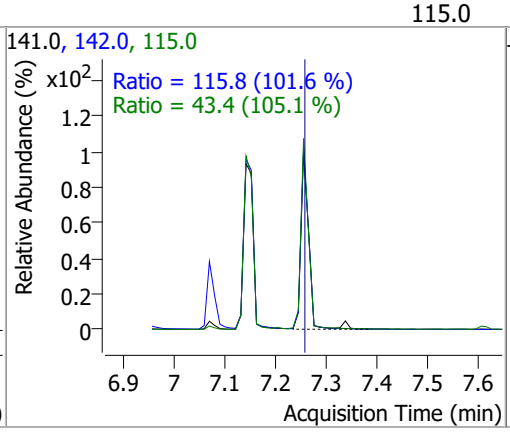


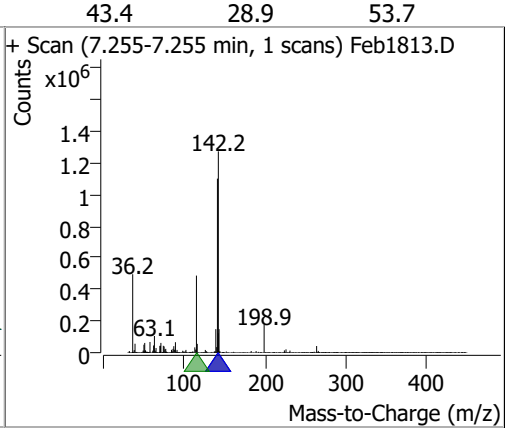




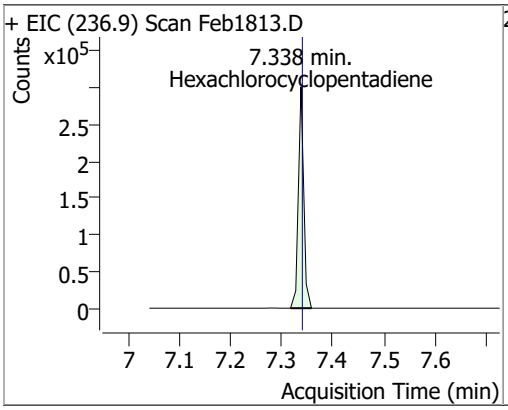
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	75.3851	7.26	0.00	1135357 (m)	142.0	115.8	79.8	148.2
					115.0	43.4	28.9	53.7

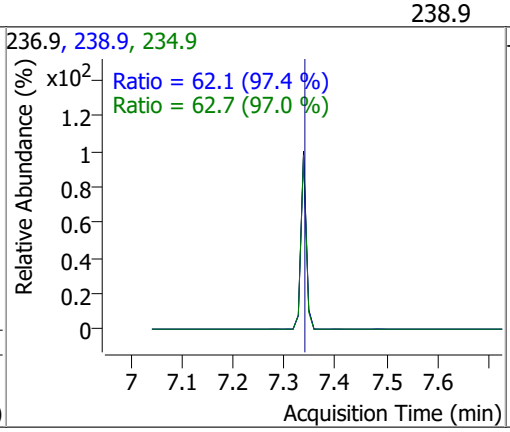


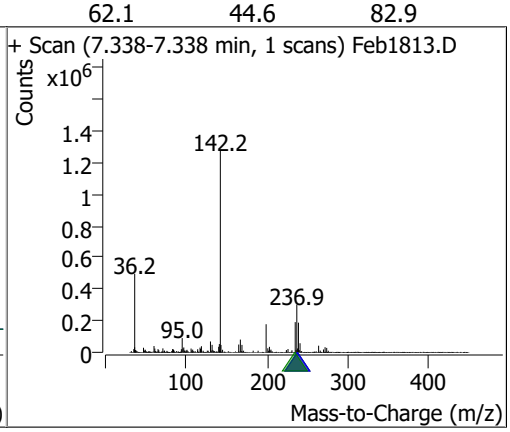




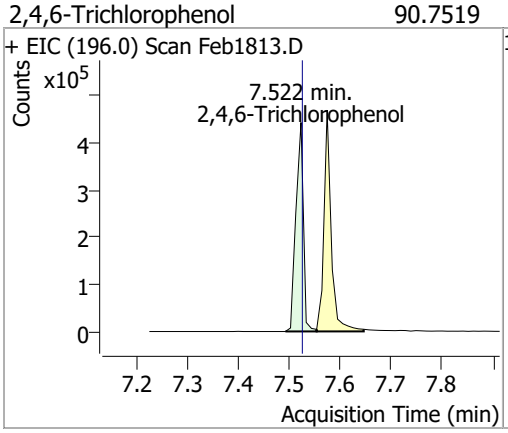
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	78.7344	7.34	0.00	220873	234.9	62.7	45.2	84.0
					238.9	62.1	44.6	82.9

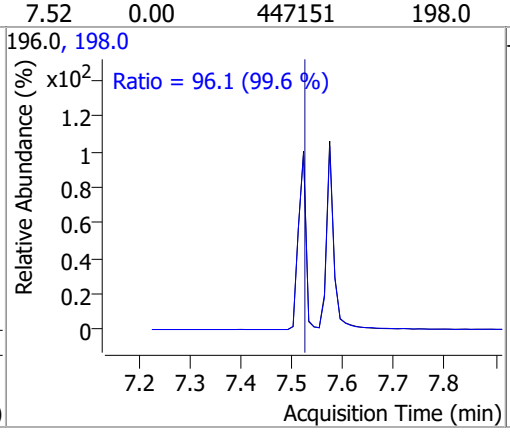


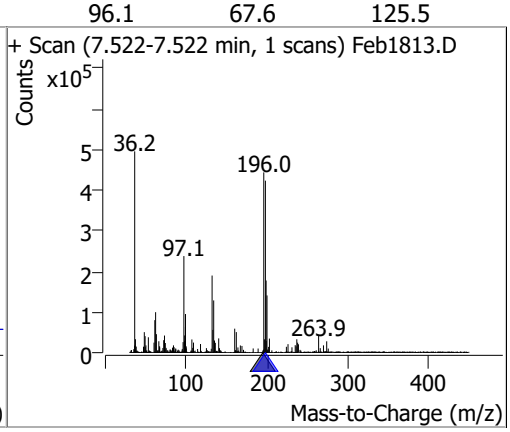




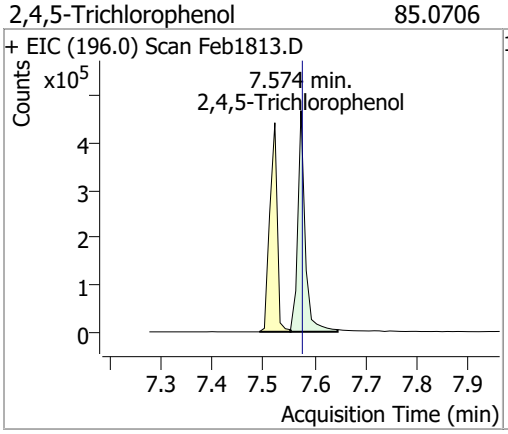
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	90.7519	7.52	0.00	447151	198.0	96.1	67.6	125.5

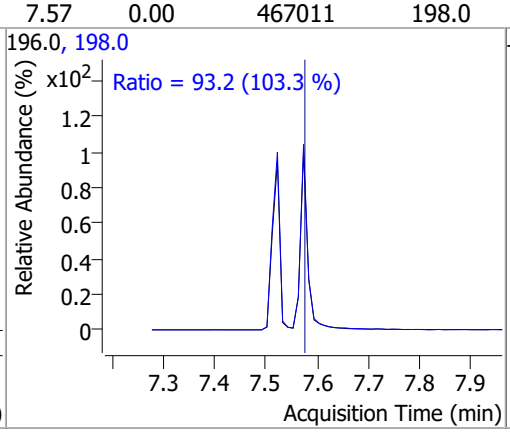


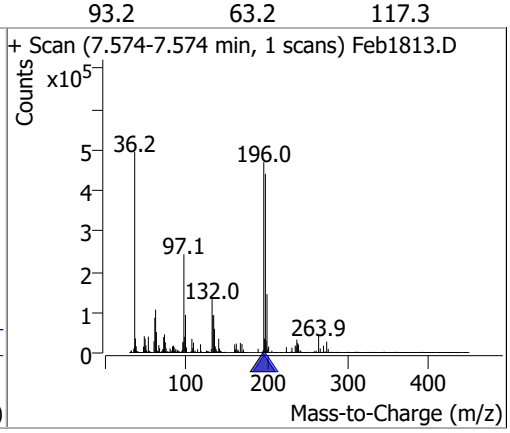




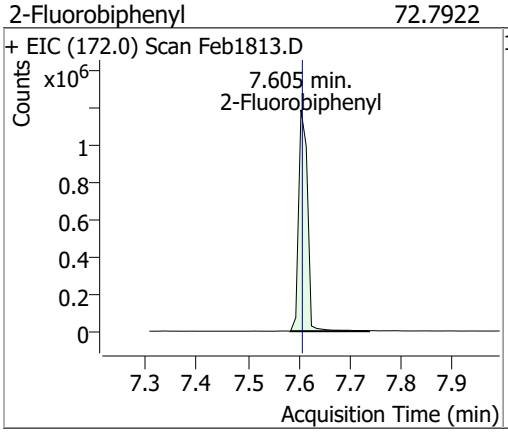
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	85.0706	7.57	0.00	467011	198.0	93.2	63.2	117.3

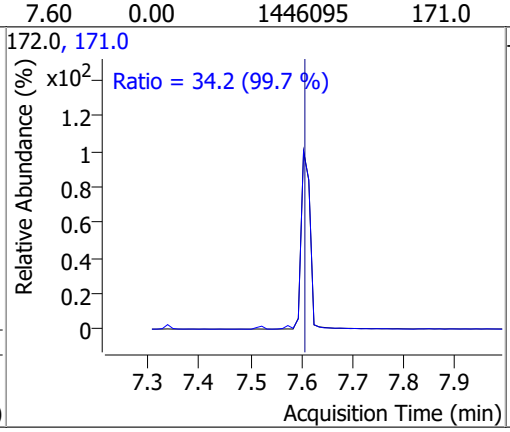


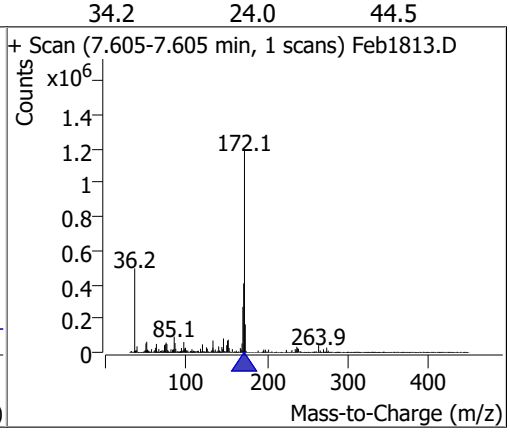




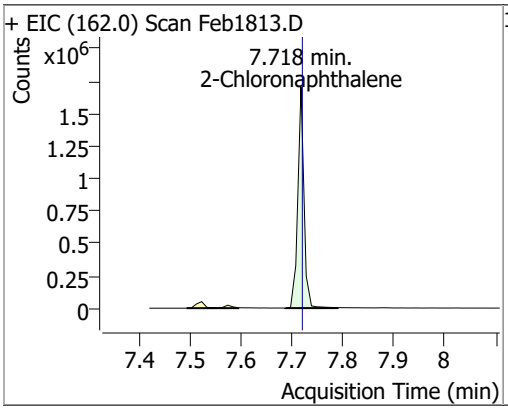
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	72.7922	7.60	0.00	1446095	171.0	34.2	24.0	44.5

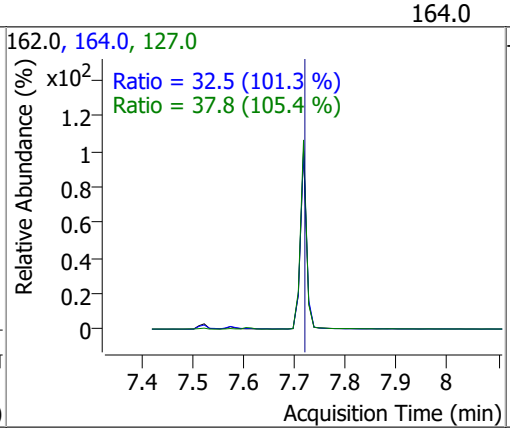


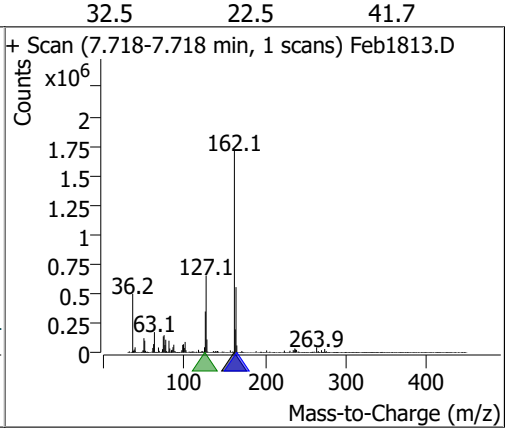




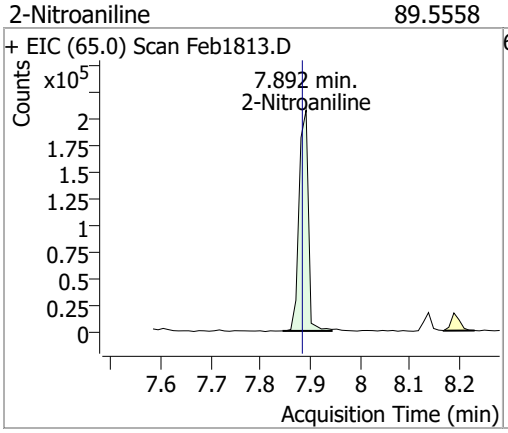
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	86.1967	7.72	0.00	1438268	127.0	37.8	25.1	46.7
					164.0	32.5	22.5	41.7

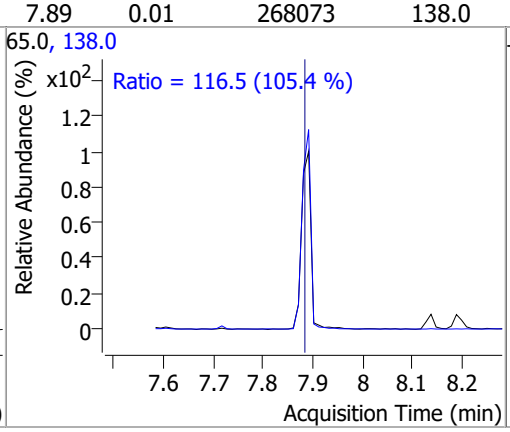


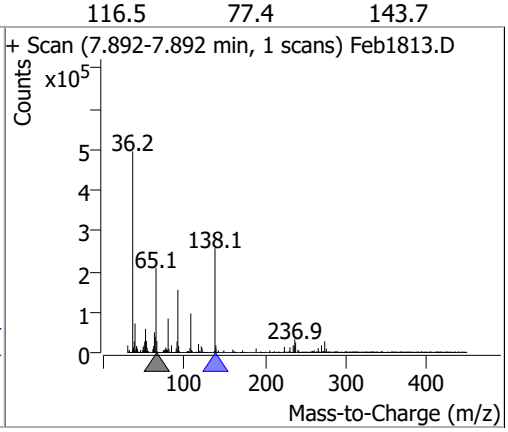




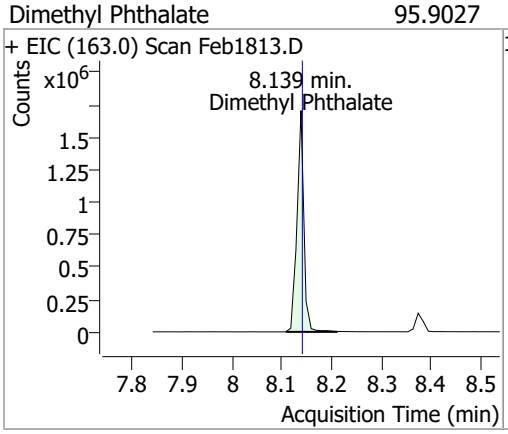
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	89.5558	7.89	0.01	268073	138.0	116.5	77.4	143.7

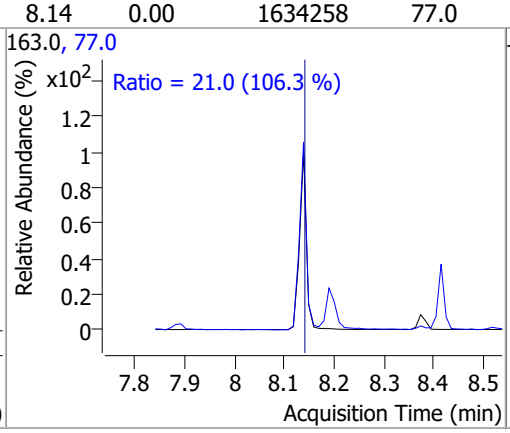


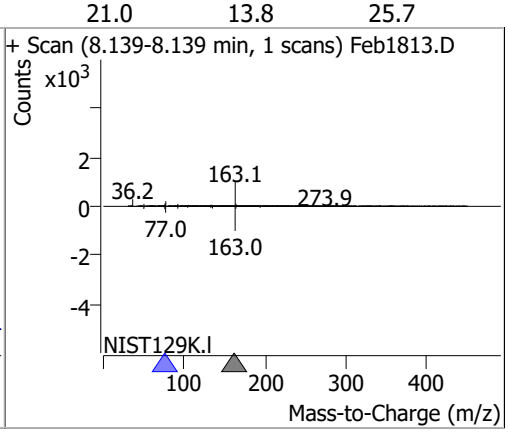




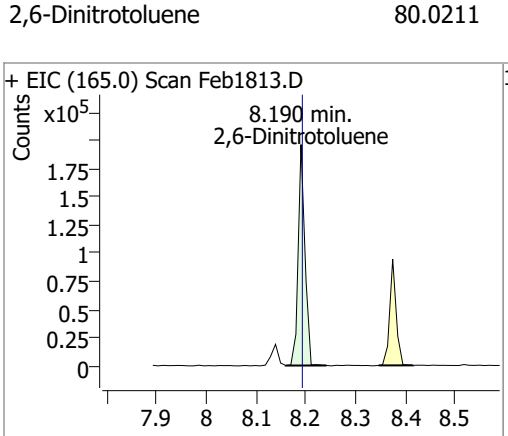
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	95.9027	8.14	0.00	1634258	77.0	21.0	13.8	25.7

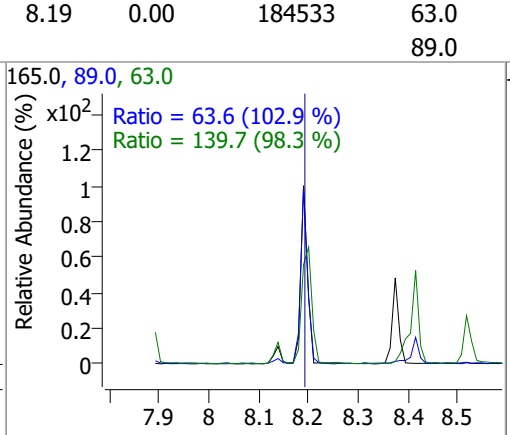


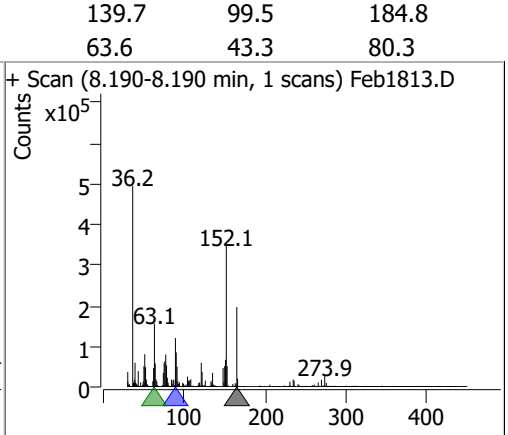




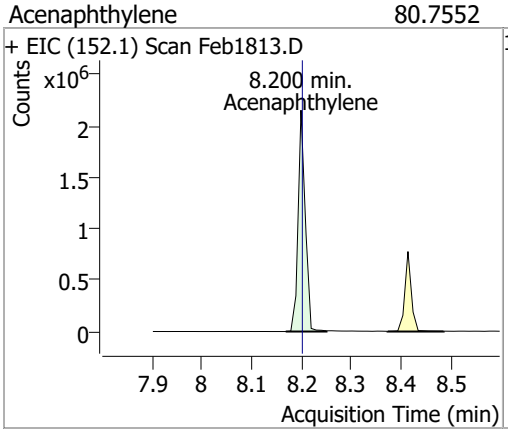
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	80.0211	8.19	0.00	184533	63.0	139.7	99.5	184.8
					89.0	63.6	43.3	80.3

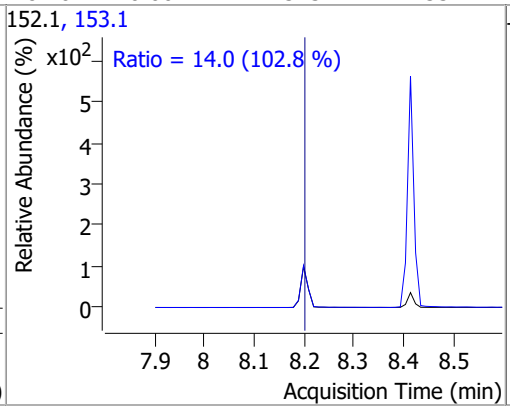


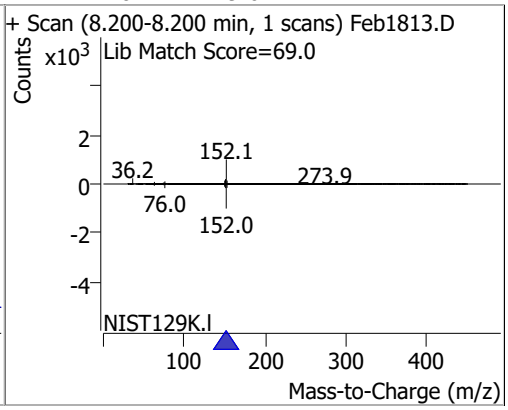




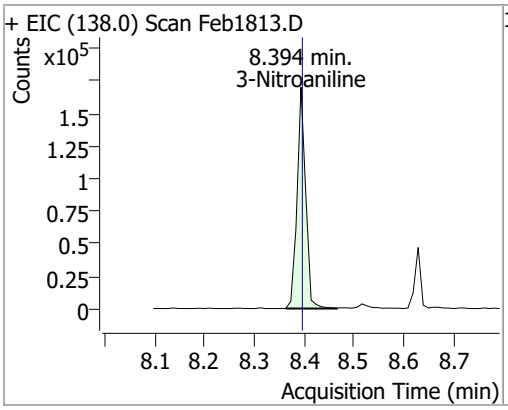
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	80.7552	8.20	0.00	2154312	153.1	14.0	9.6	17.7

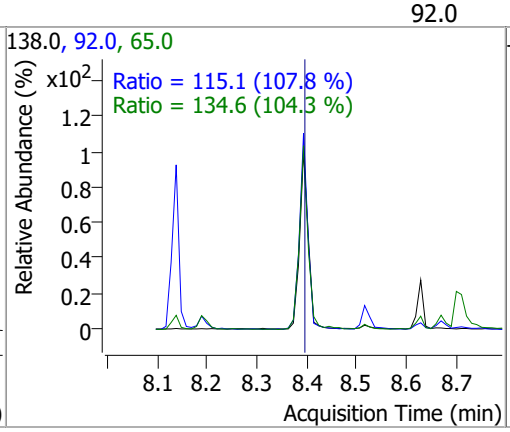


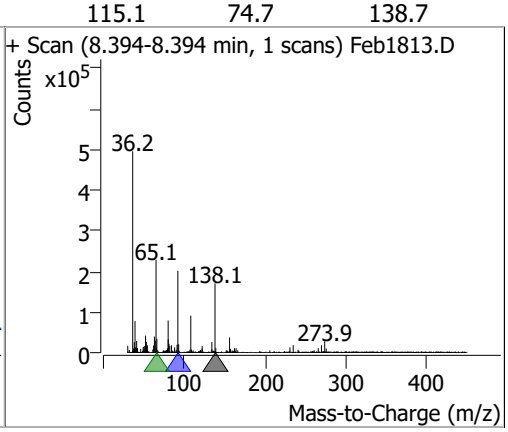




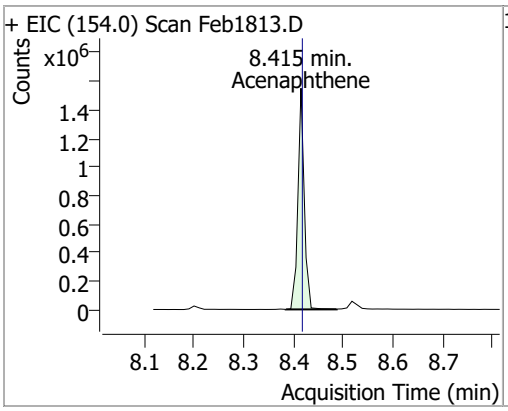
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	78.2222	8.39	0.00	204584	65.0	134.6	90.4	167.8
					92.0	115.1	74.7	138.7

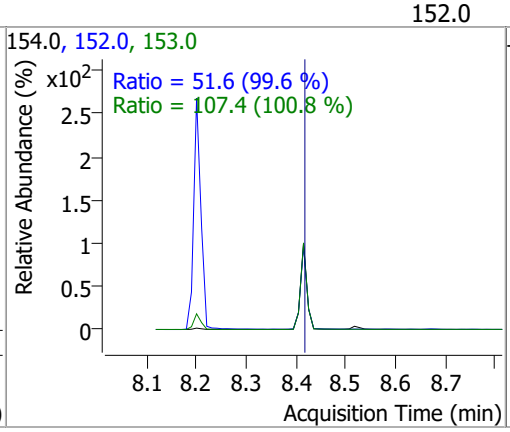


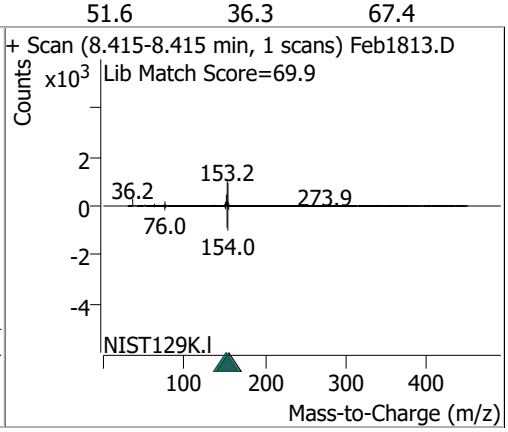




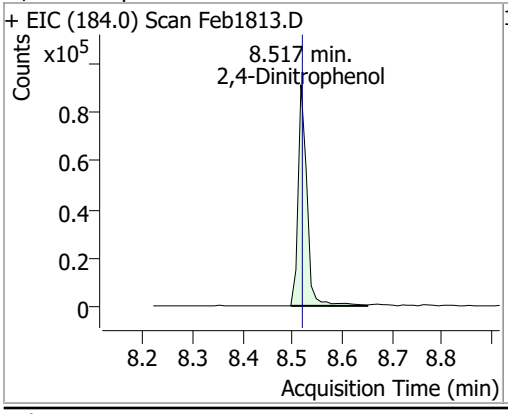
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	90.7354	8.41	0.00	1377071	153.0	107.4	74.5	138.4
					152.0	51.6	36.3	67.4

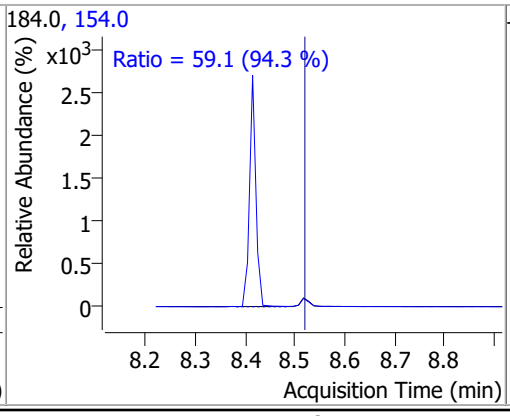


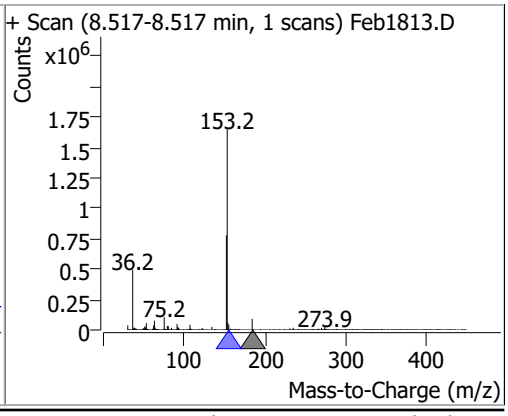




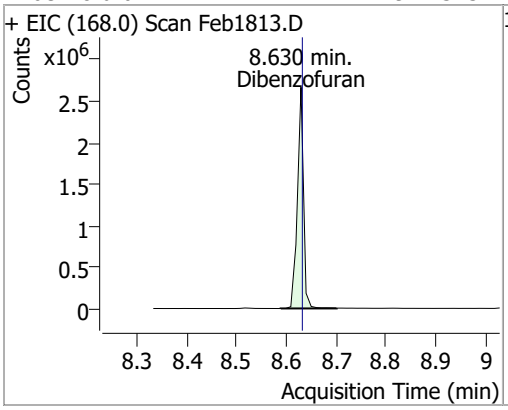
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	93.1272	8.52	0.00	112924	154.0	59.1	43.9	81.5

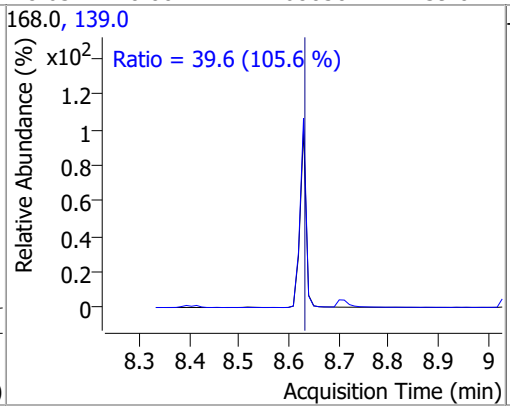


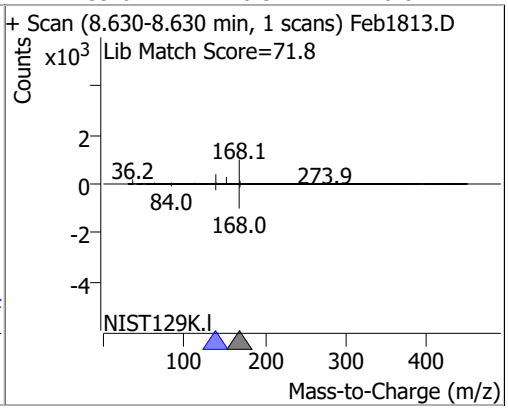




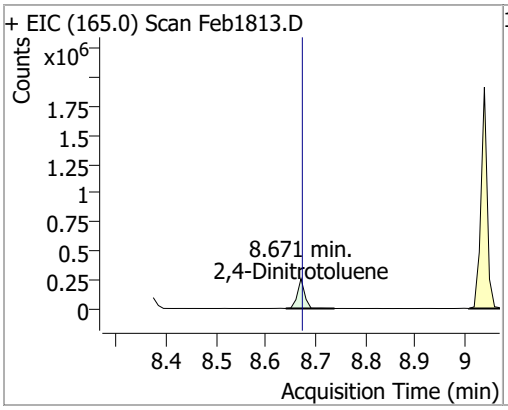
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	91.7375	8.63	0.00	2268050	139.0	39.6	26.3	48.8

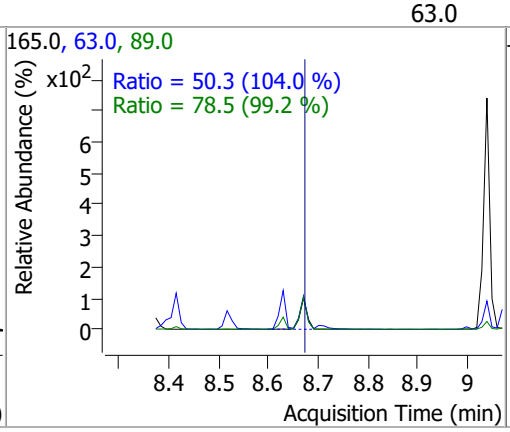


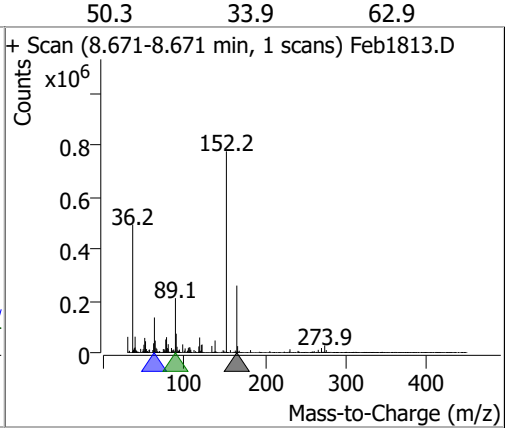




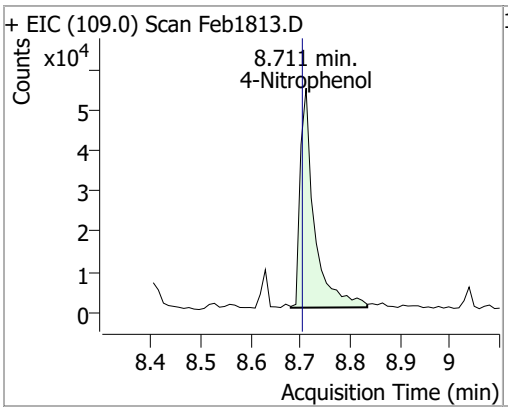
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	88.8357	8.67	0.00	260018	89.0	78.5	55.4	102.9
					63.0	50.3	33.9	62.9

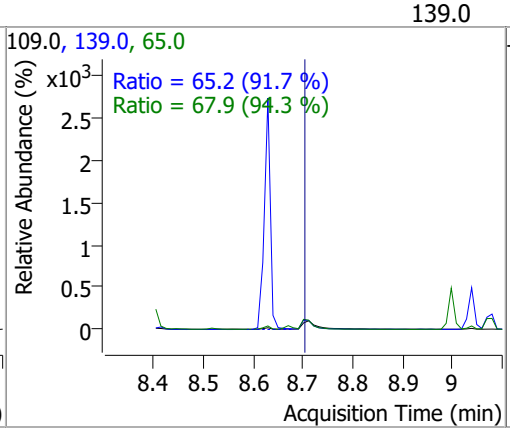


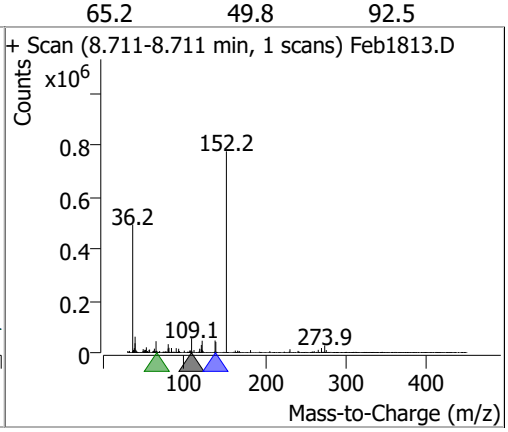




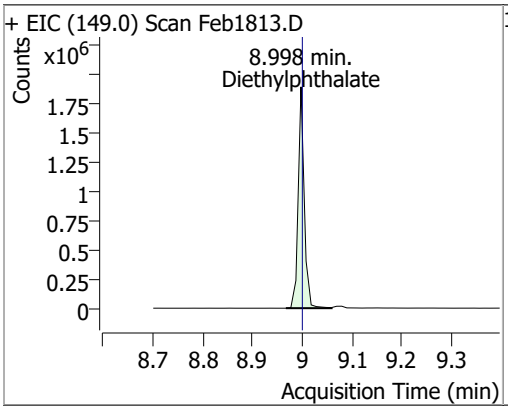
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	40.6616	8.71	0.01	107931	65.0	67.9	50.4	93.6
					139.0	65.2	49.8	92.5

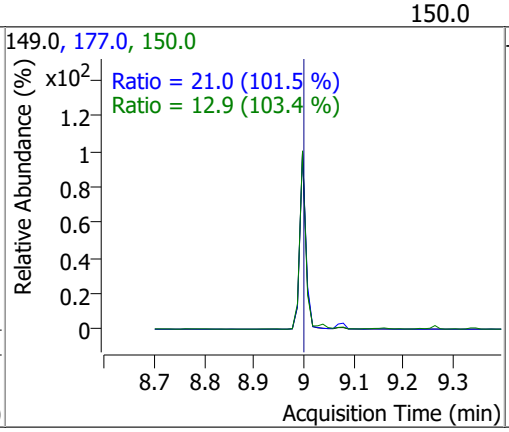


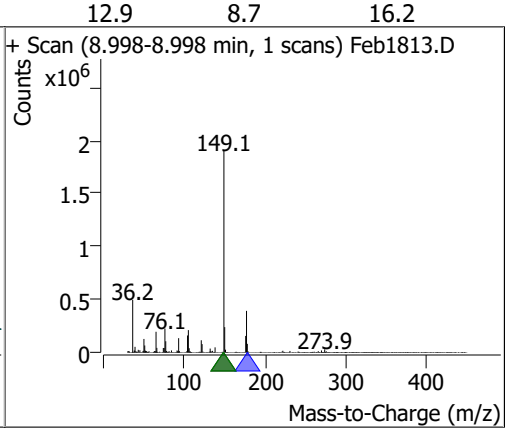




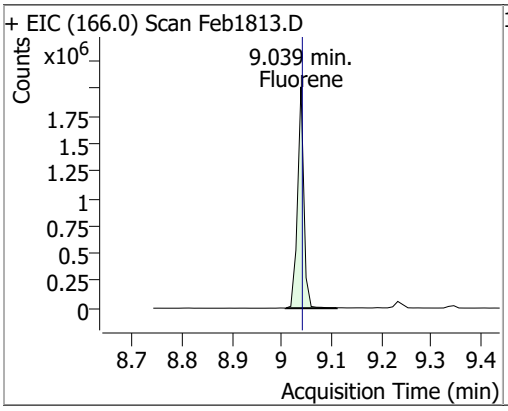
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	90.7313	9.00	0.00	1599342	177.0	21.0	14.5	27.0
					150.0	12.9	8.7	16.2

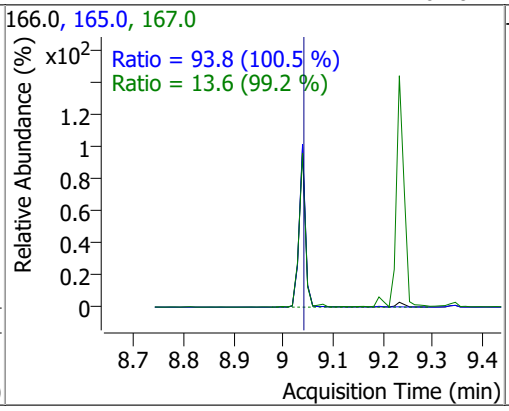


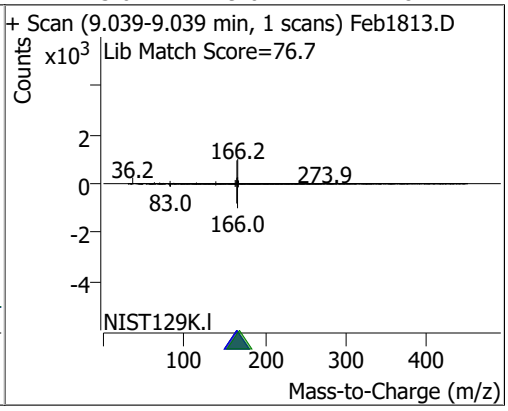




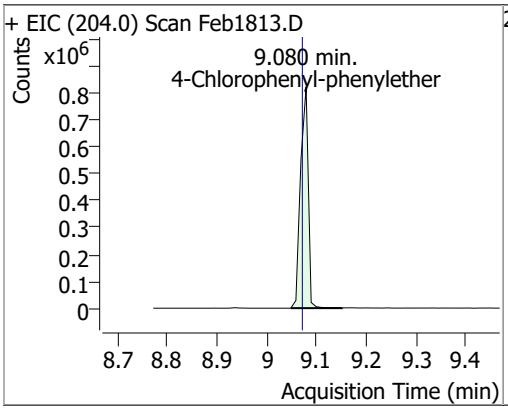
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	88.5141	9.04	0.00	1770427	165.0	93.8	65.4	121.4
					167.0	13.6	9.6	17.8

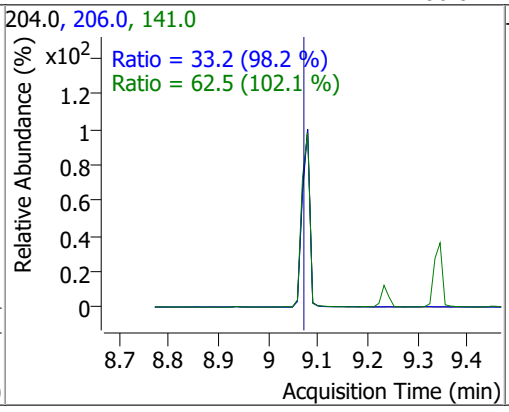


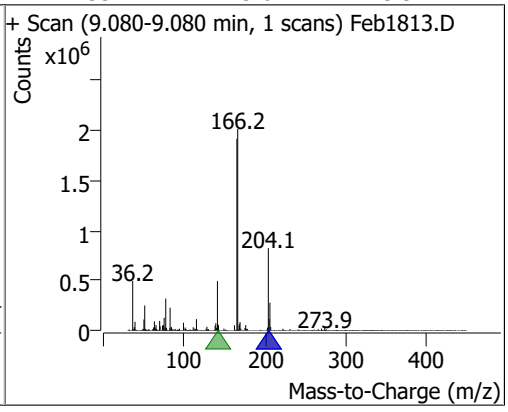




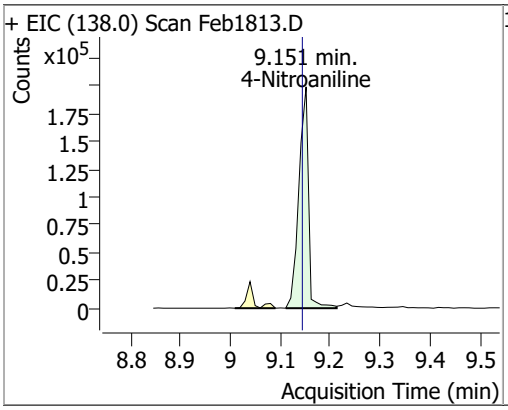
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	96.1031	9.08	0.01	876155	141.0	62.5	42.8	79.6
					206.0	33.2	23.6	43.9

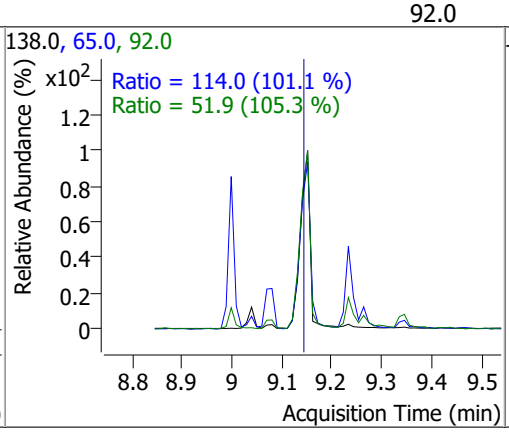


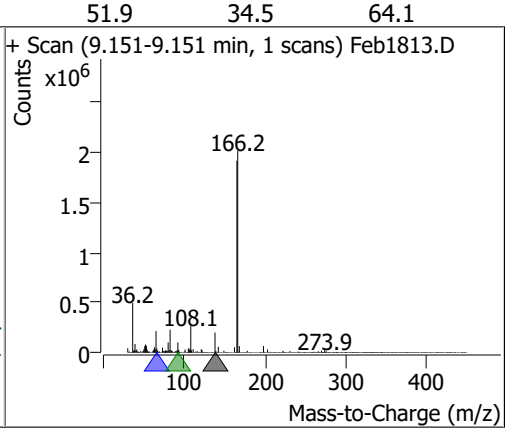




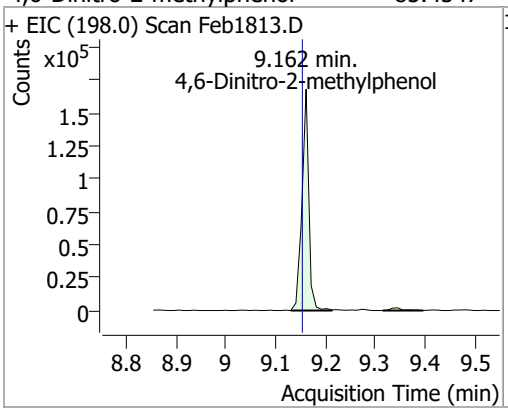
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	86.9077	9.15	0.01	265892	65.0	114.0	78.9	146.6
					92.0	51.9	34.5	64.1

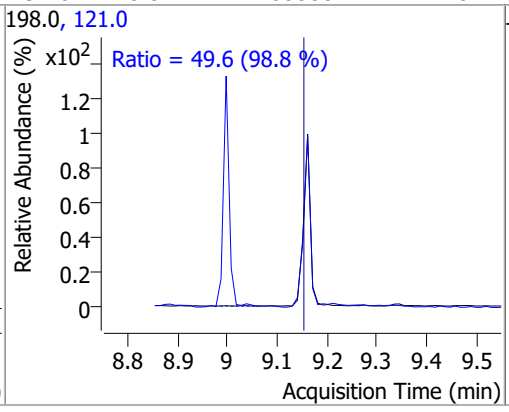


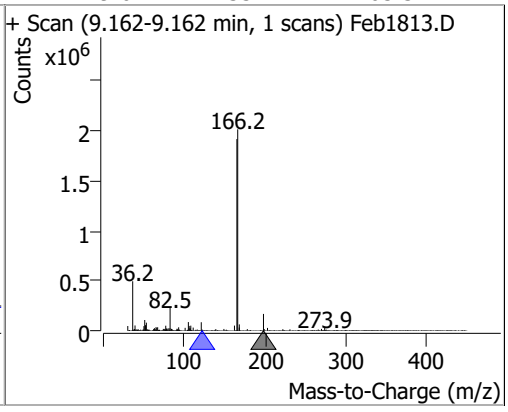




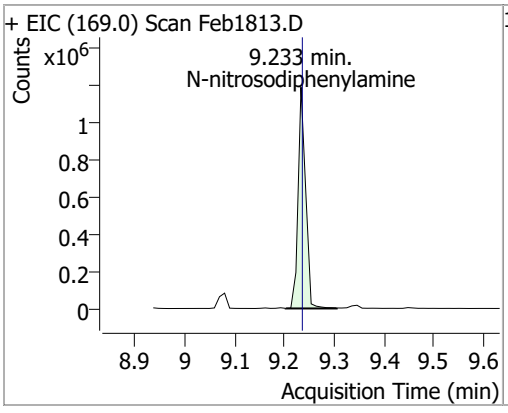
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	85.4547	9.16	0.01	160008	121.0	49.6	35.1	65.3

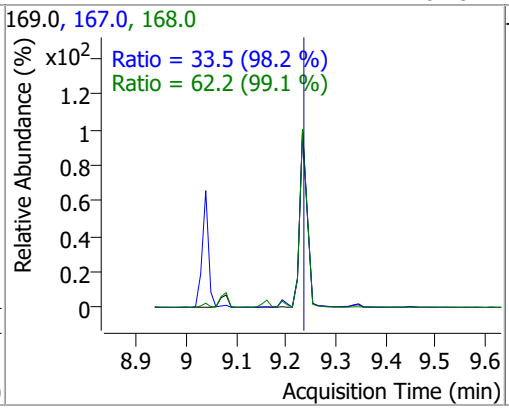


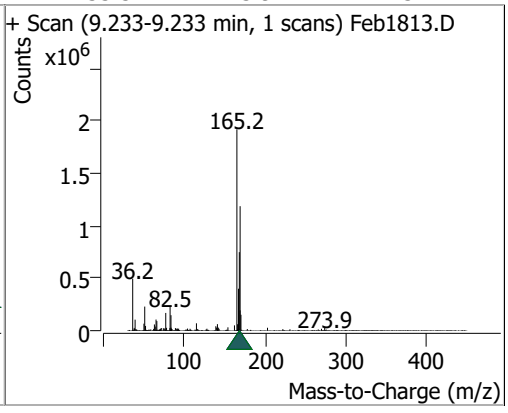




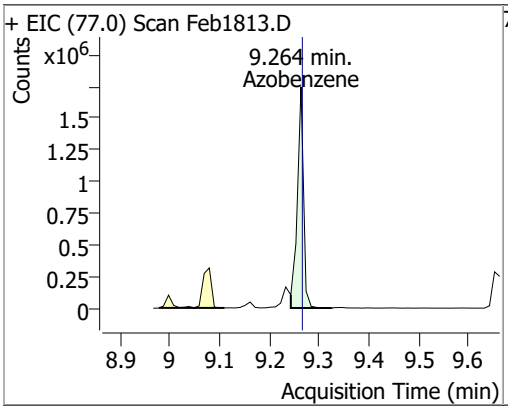
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	87.0305	9.23	0.00	1244447	168.0	62.2	44.0	81.7
					167.0	33.5	23.9	44.3

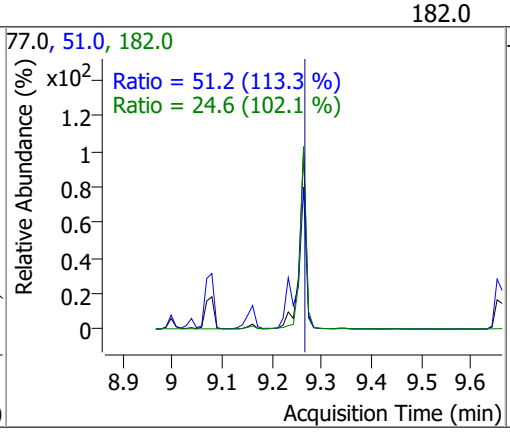


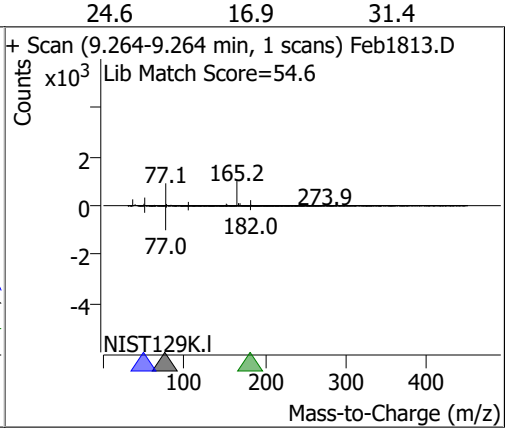




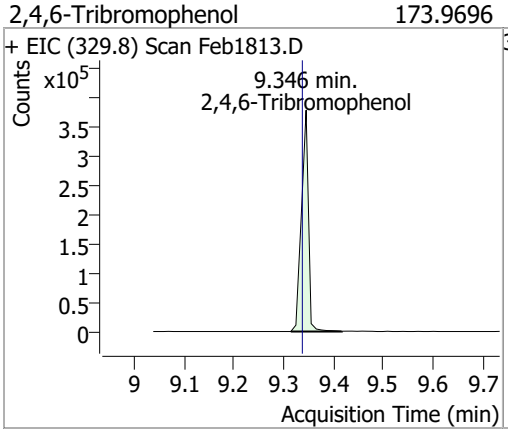
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	79.9499	9.26	0.00	1510014	51.0	51.2	31.6	58.7
					182.0	24.6	16.9	31.4

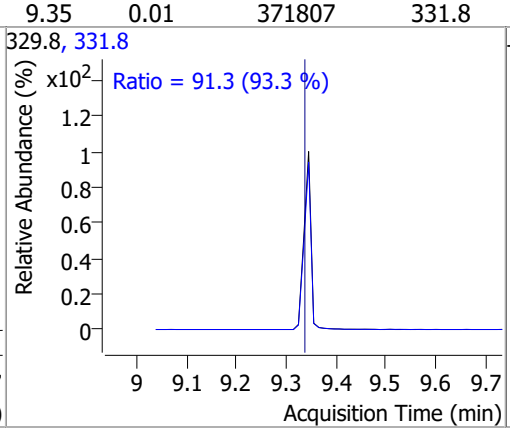


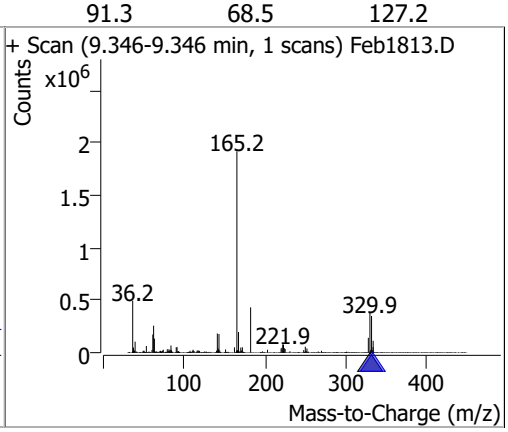




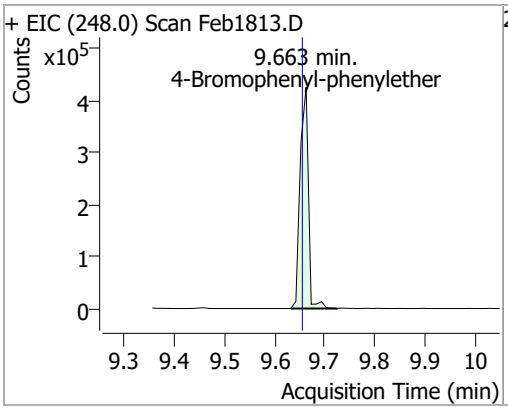
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	173.9696	9.35	0.01	371807	331.8	91.3	68.5	127.2

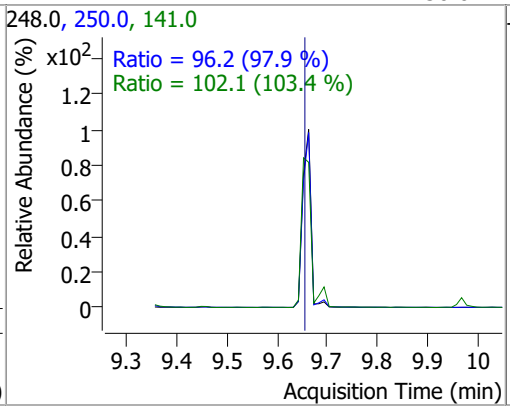


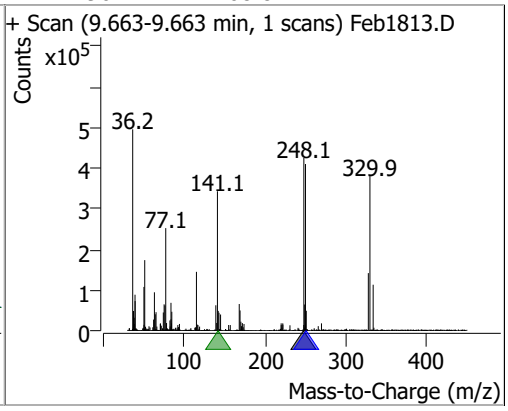




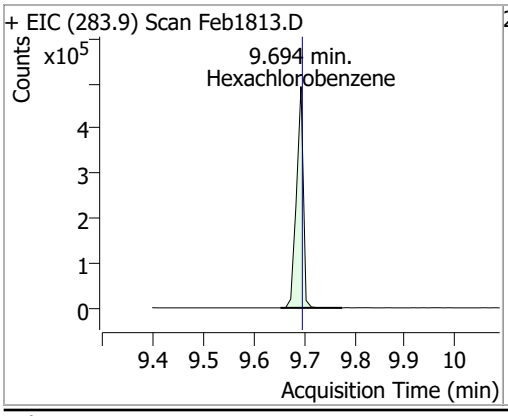
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	88.6852	9.66	0.01	484616	141.0	102.1	69.1	128.4
					250.0	96.2	68.8	127.7

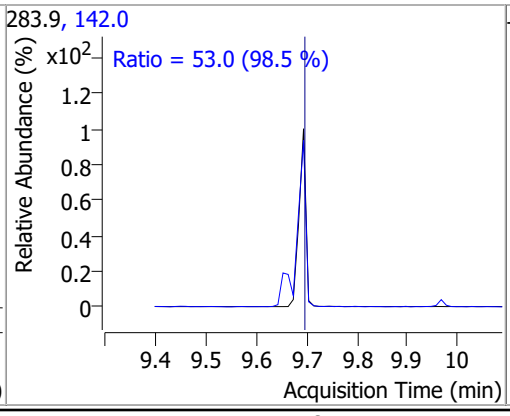


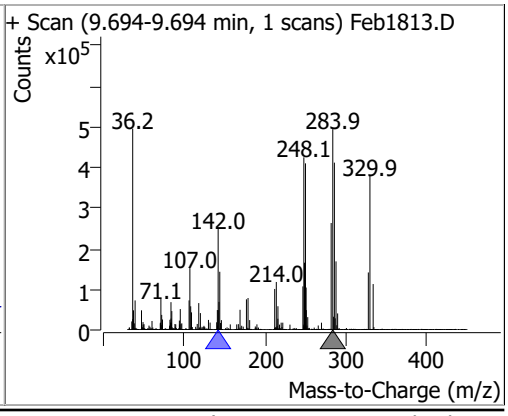




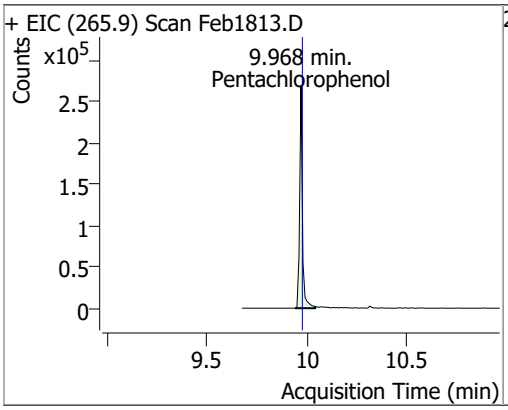
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	84.9942	9.69	0.00	466964	142.0	53.0	37.7	70.0

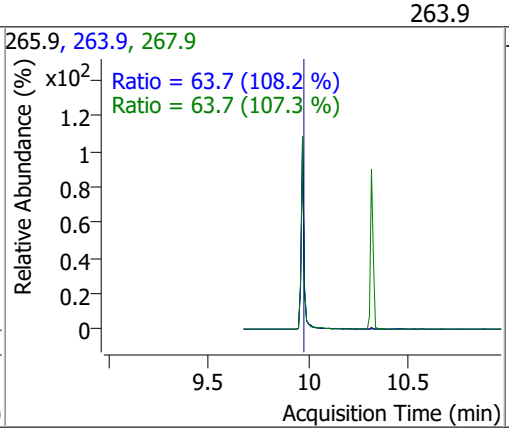


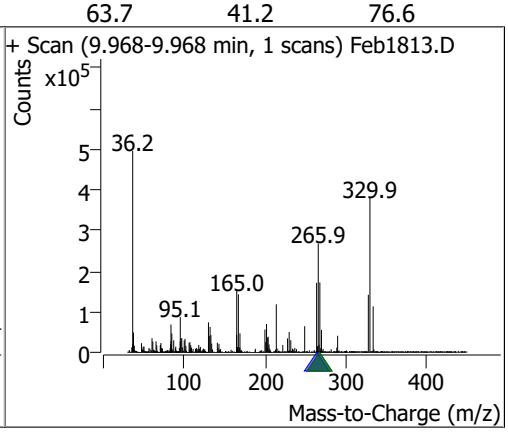




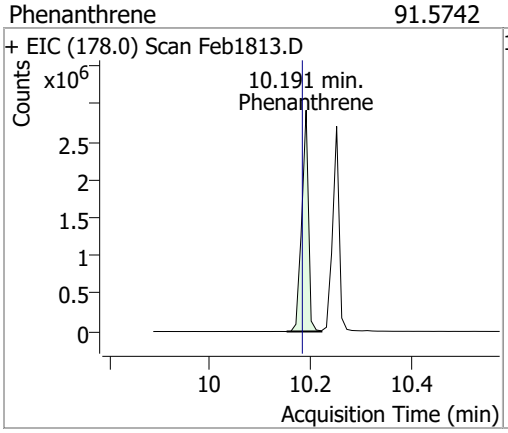
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	95.8269	9.97	0.00	254951	267.9	63.7	41.5	77.2
					263.9	63.7	41.2	76.6

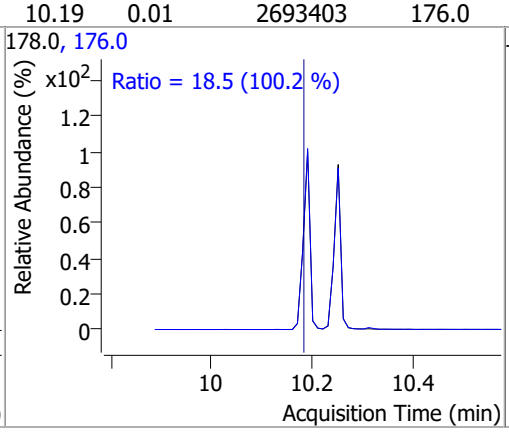


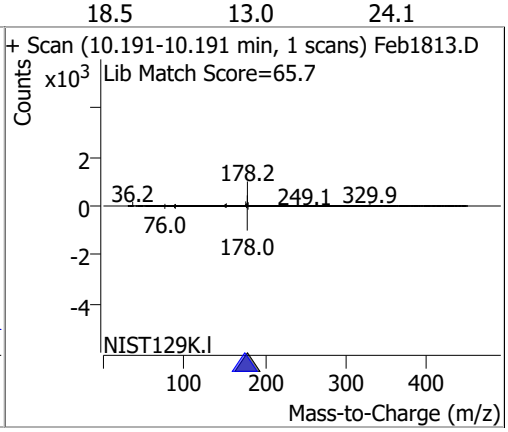




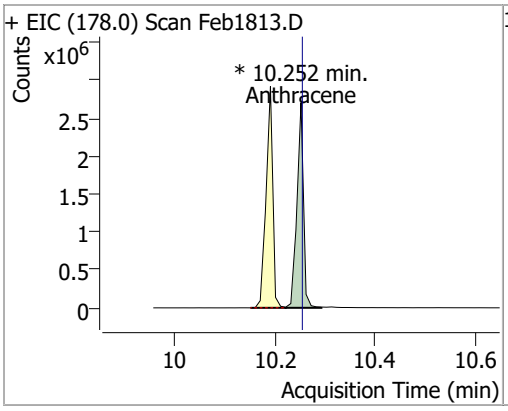
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	91.5742	10.19	0.01	2693403	176.0	18.5	13.0	24.1

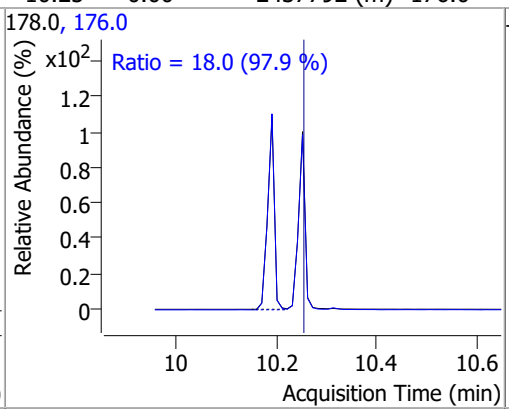


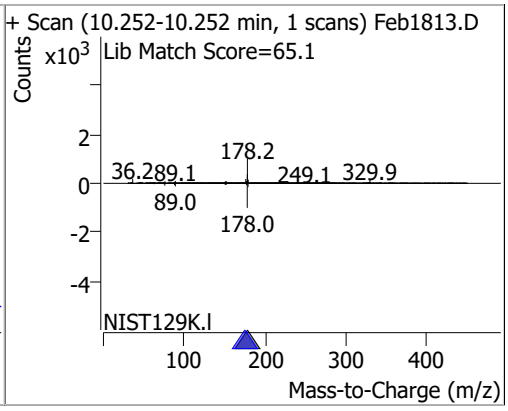




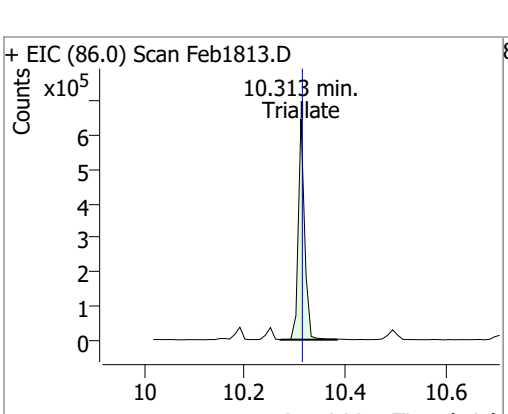
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	87.0390	10.25	0.00	2437792 (m)	176.0	18.0	12.9	23.9

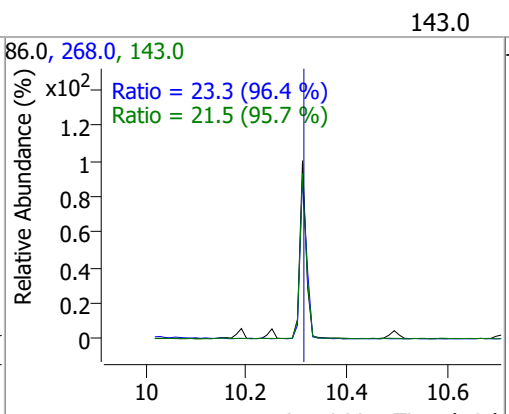


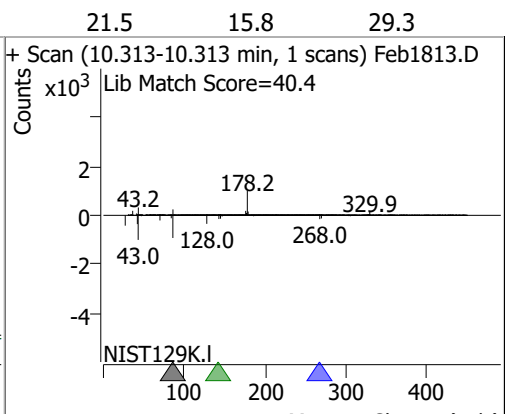




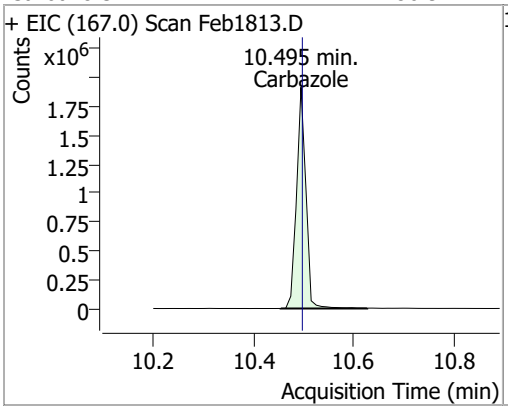
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	84.1294	10.31	0.00	565732	268.0	23.3	16.9	31.4
					143.0	21.5	15.8	29.3

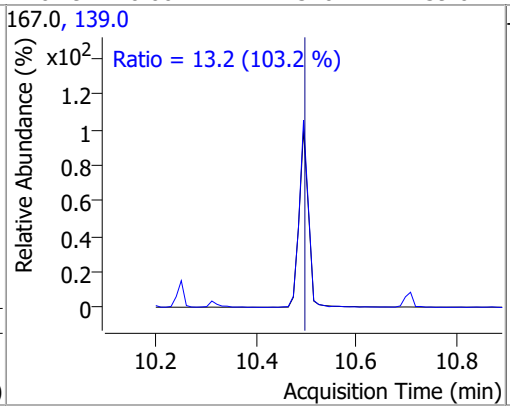


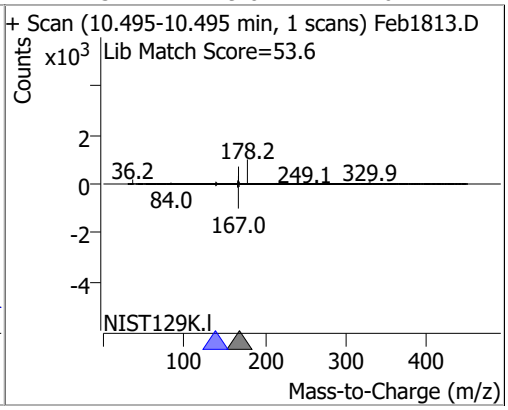




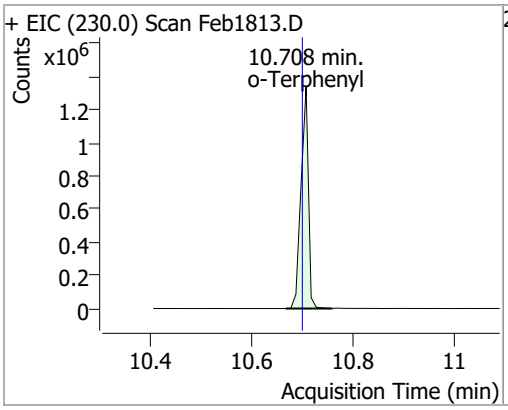
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	86.9447	10.49	0.00	2473107	139.0	13.2	9.0	16.7

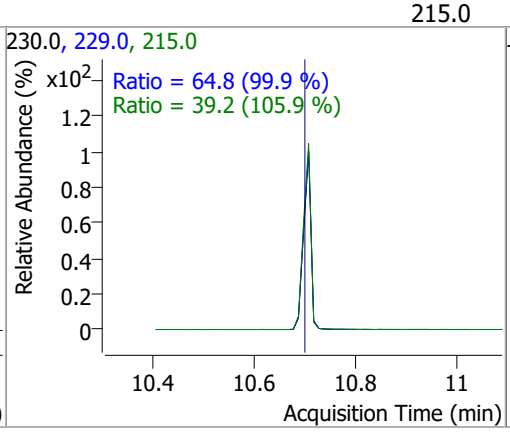


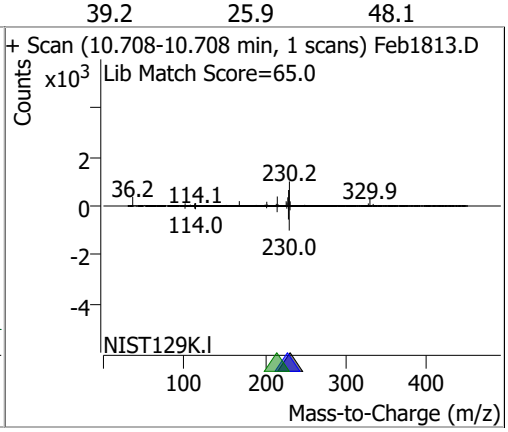




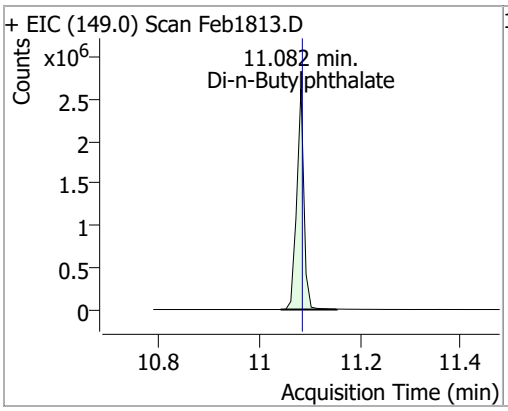
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	86.7773	10.71	0.01	1364509	229.0	64.8	45.4	84.3
					215.0	39.2	25.9	48.1

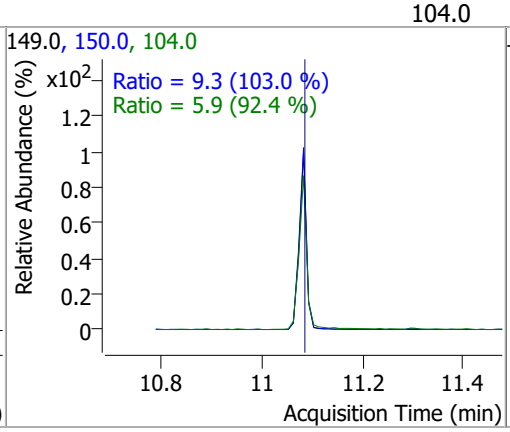


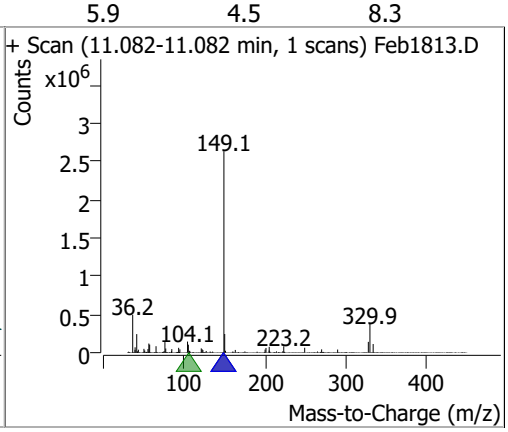




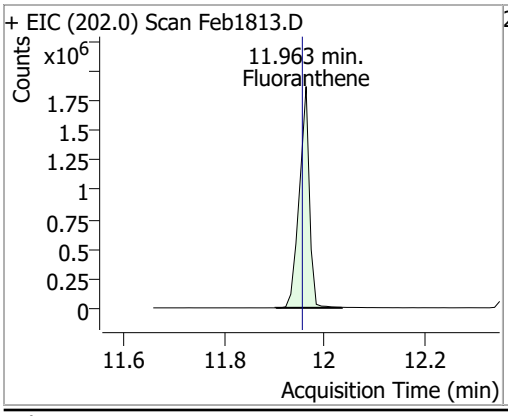
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	94.5230	11.08	0.00	2614560	150.0	9.3	6.3	11.8
					104.0	5.9	4.5	8.3

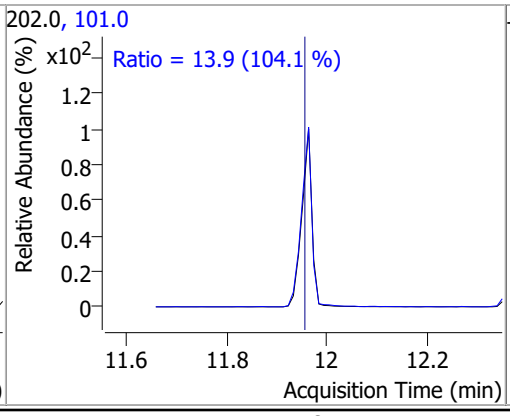


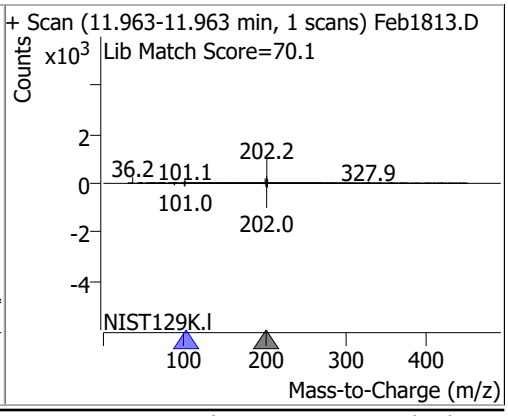




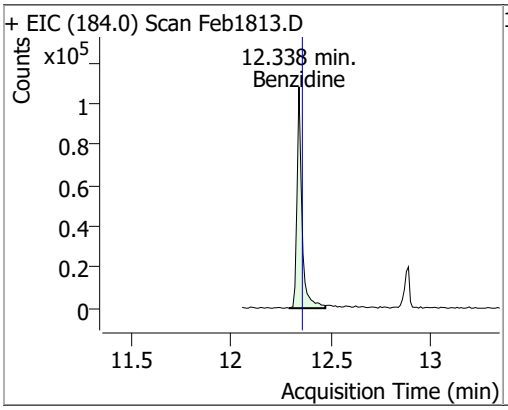
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	87.7646	11.96	0.01	2611915	101.0	13.9	9.4	17.4

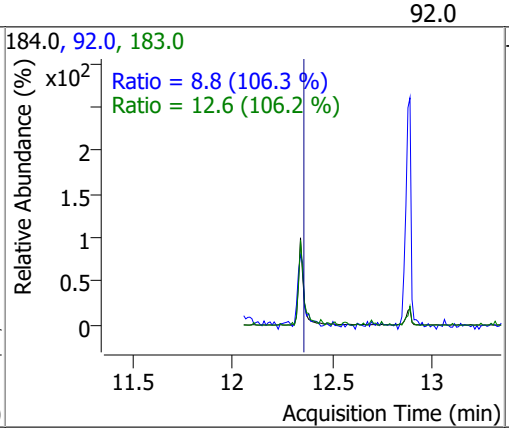


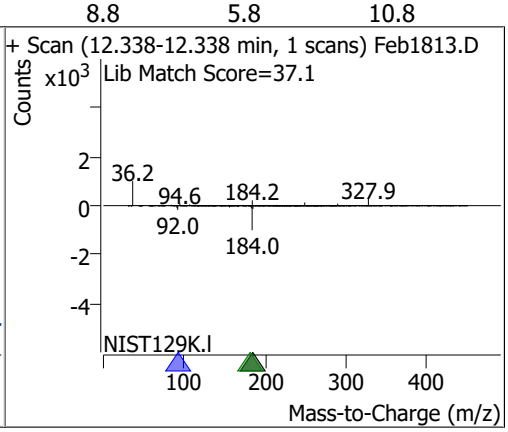




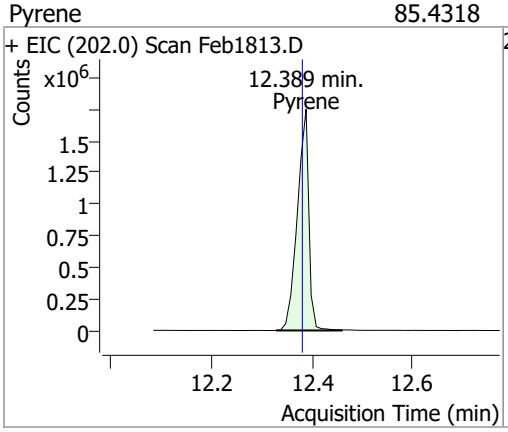
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	17.4983	12.34	-0.01	186195	183.0	12.6	8.3	15.4
					92.0	8.8	5.8	10.8

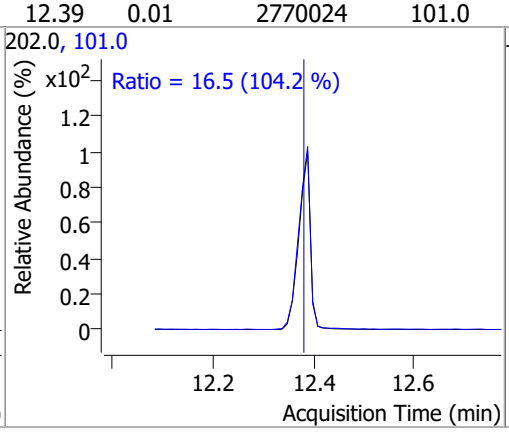


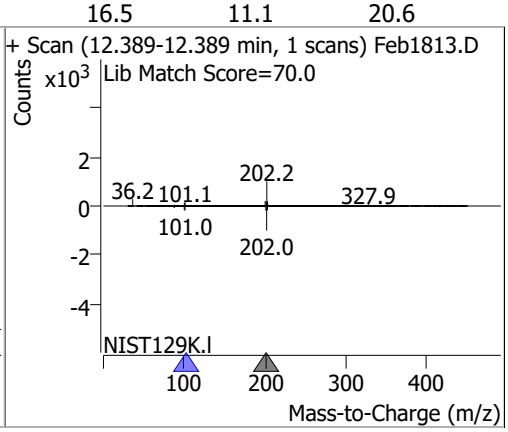




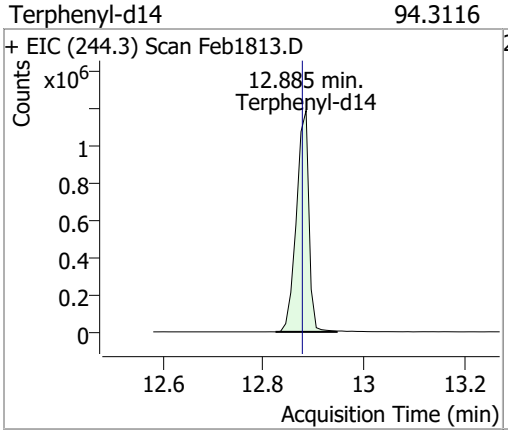
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	85.4318	12.39	0.01	2770024	101.0	16.5	11.1	20.6

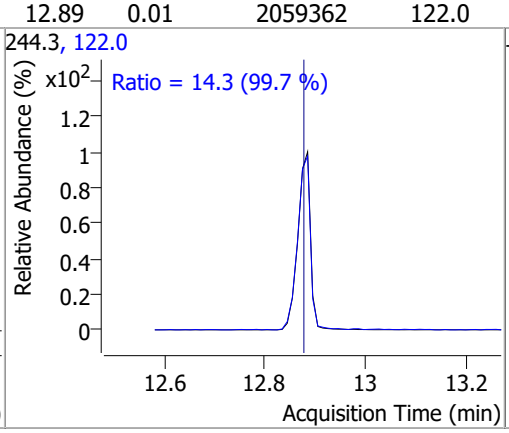


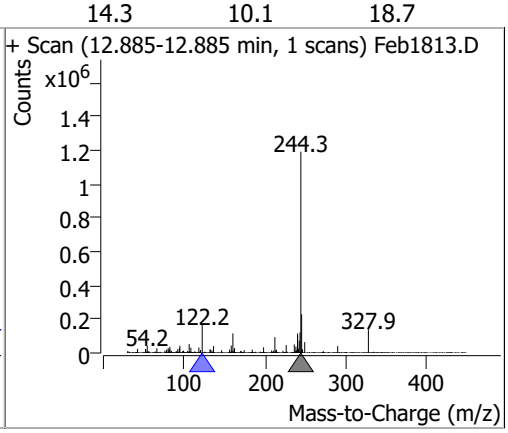




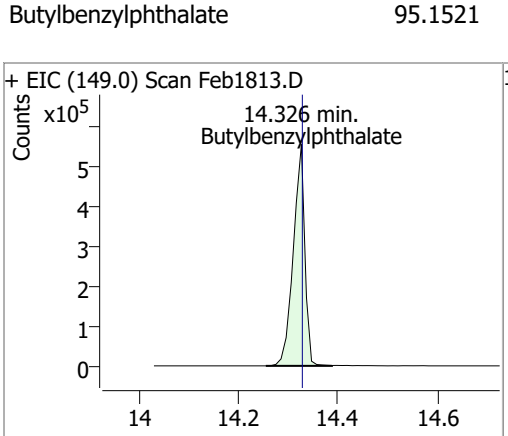
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	94.3116	12.89	0.01	2059362	122.0	14.3	10.1	18.7

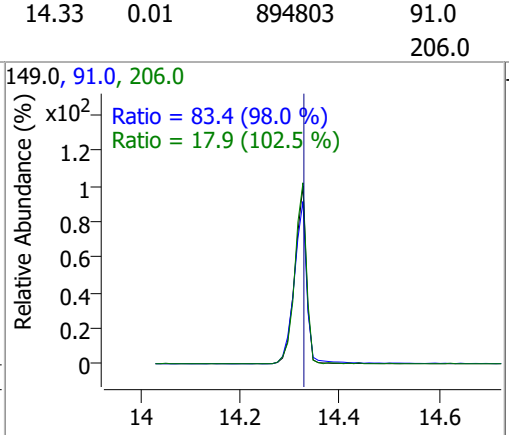


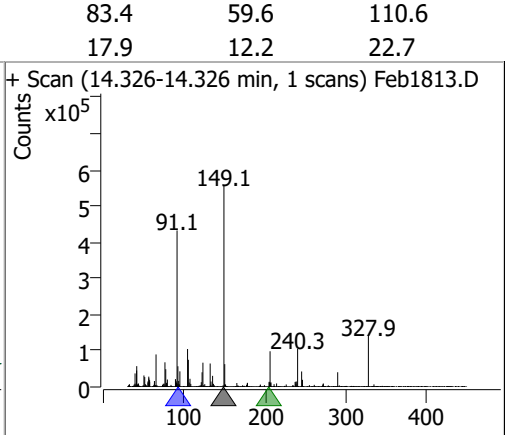




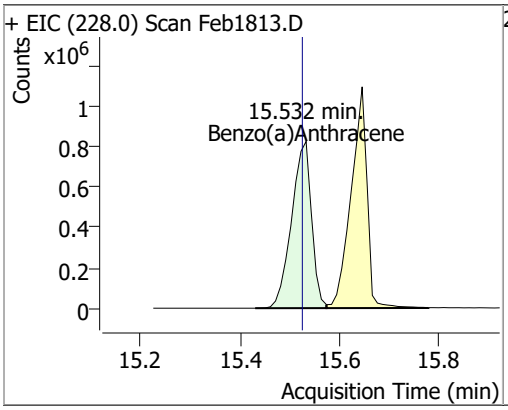
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	95.1521	14.33	0.01	894803	91.0	83.4	59.6	110.6
					206.0	17.9	12.2	22.7

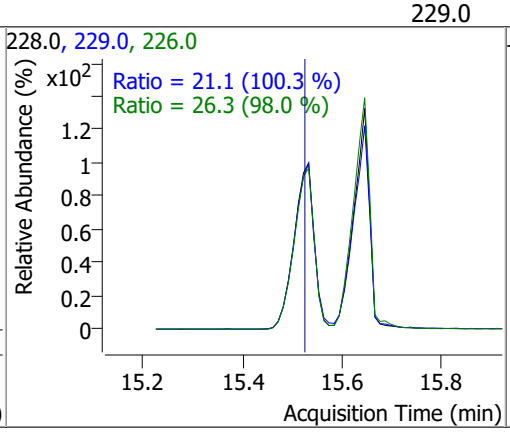


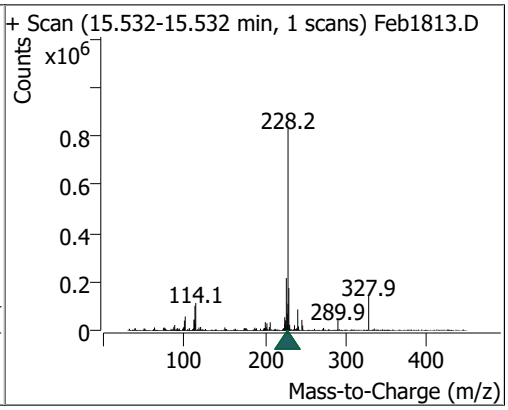




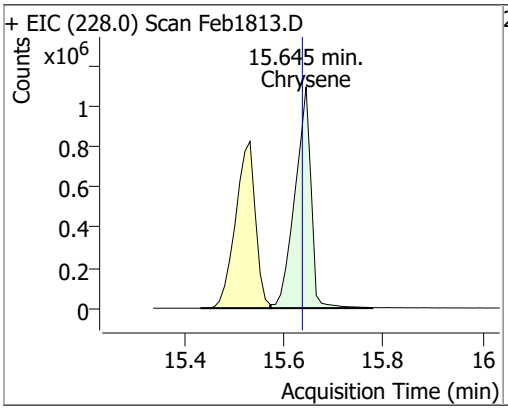
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	96.6502	15.53	0.02	2291235	226.0	26.3	18.8	34.9
					229.0	21.1	14.7	27.4

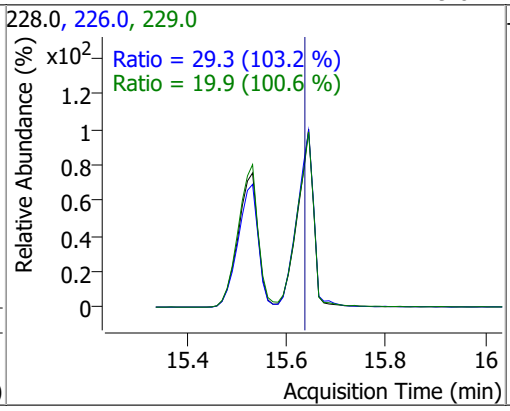


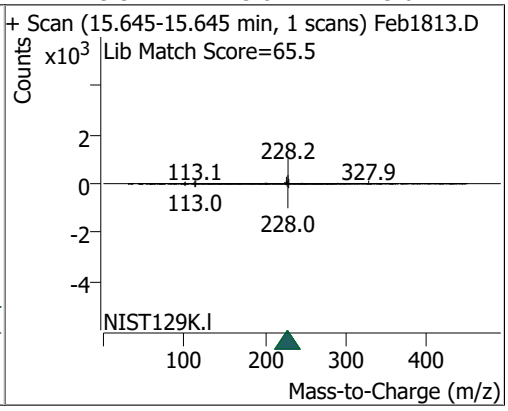




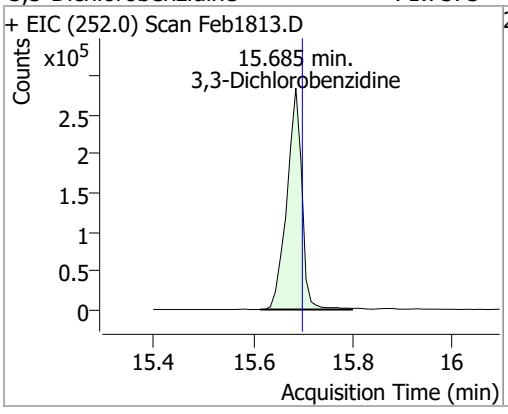
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	93.0468	15.64	0.02	2454212	226.0	29.3	19.9	36.9
					229.0	19.9	13.8	25.6

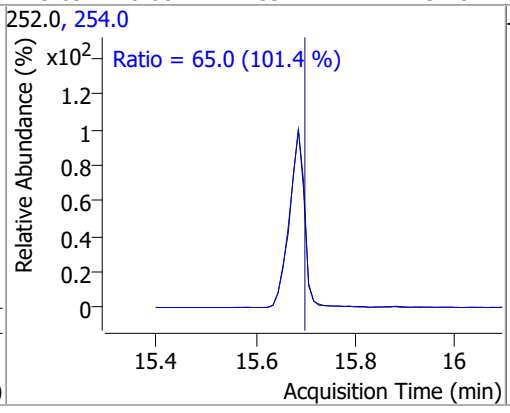


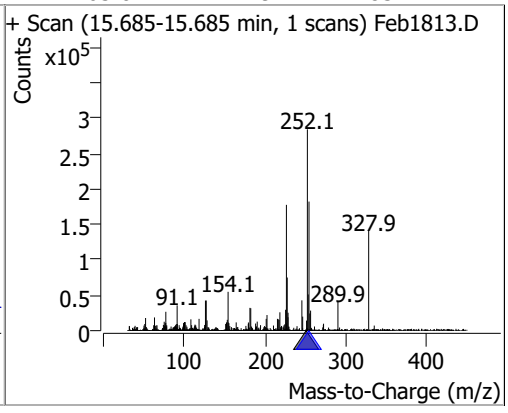




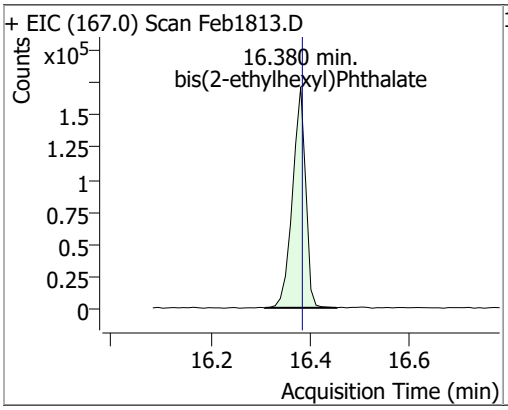
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	71.7573	15.69	0.00	594442	254.0	65.0	44.9	83.4

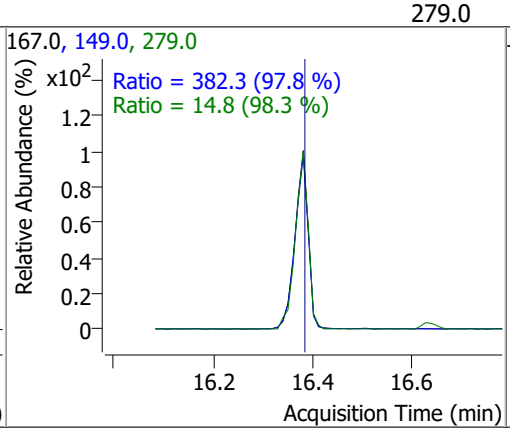


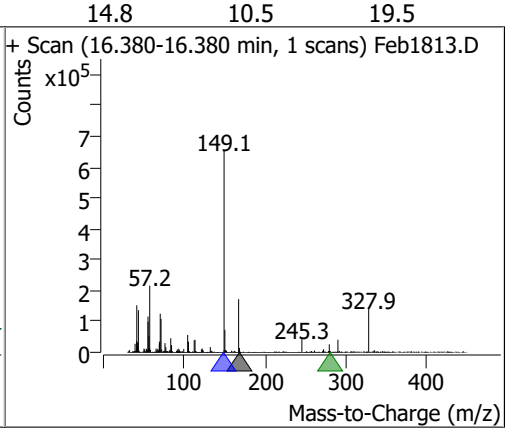




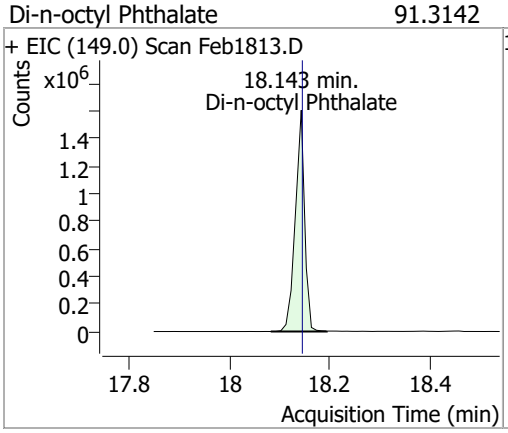
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	96.4207	16.38	0.01	314217	149.0	382.3	273.6	508.0
					279.0	14.8	10.5	19.5

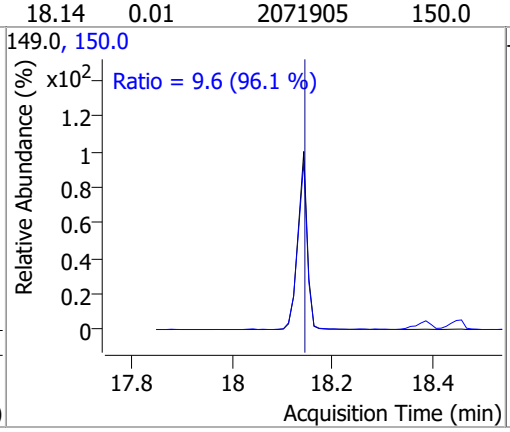


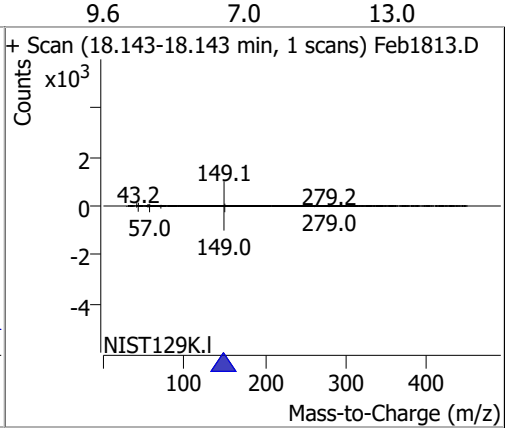




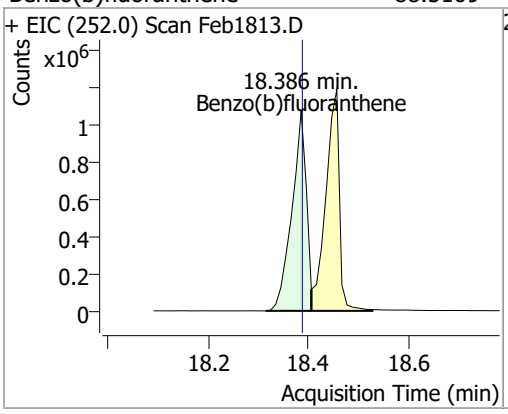
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	91.3142	18.14	0.01	2071905	150.0	9.6	7.0	13.0

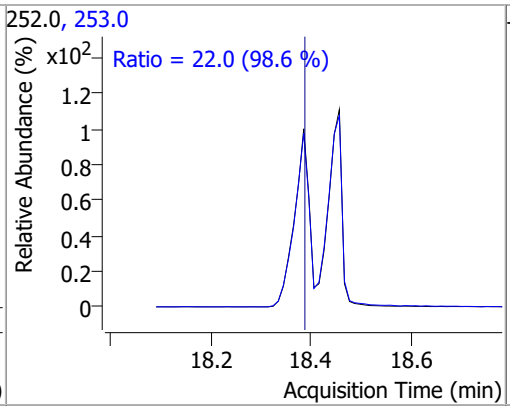


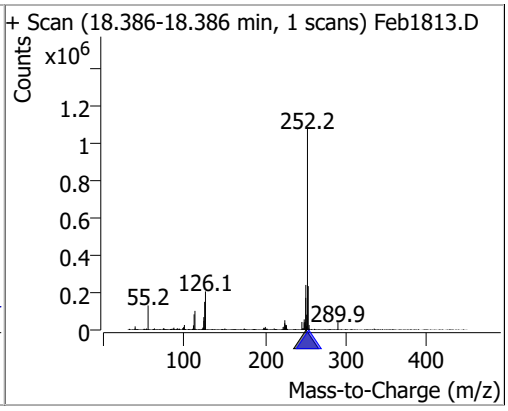




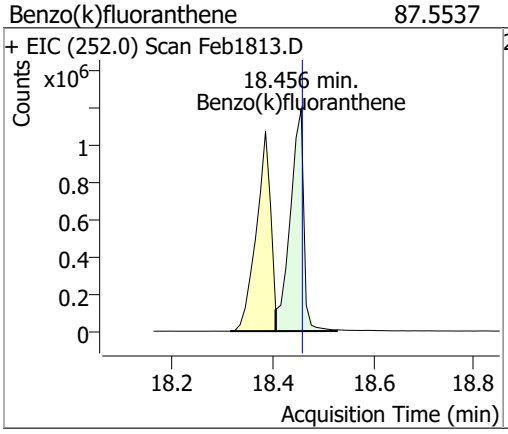
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	88.5109	18.39	0.01	2128073	253.0	22.0	15.6	29.0

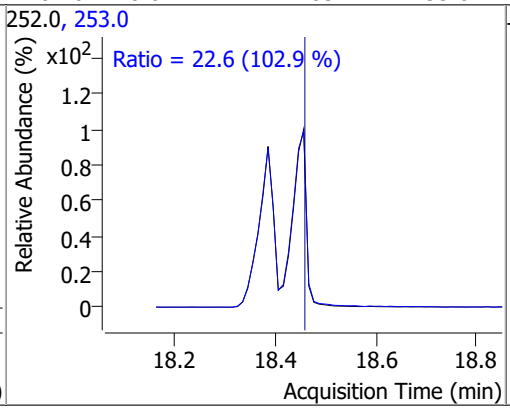


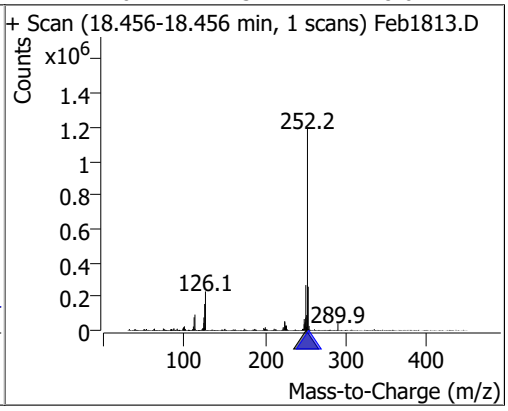




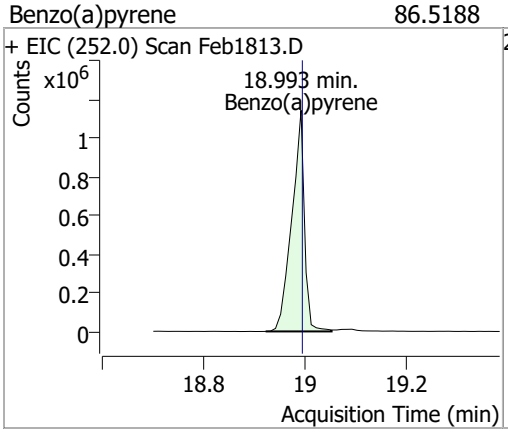
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	87.5537	18.46	0.01	2224032	253.0	22.6	15.4	28.6

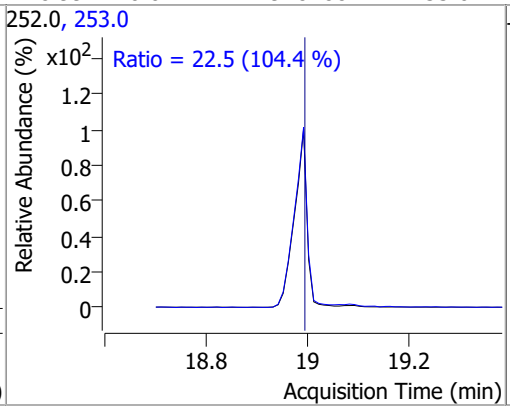


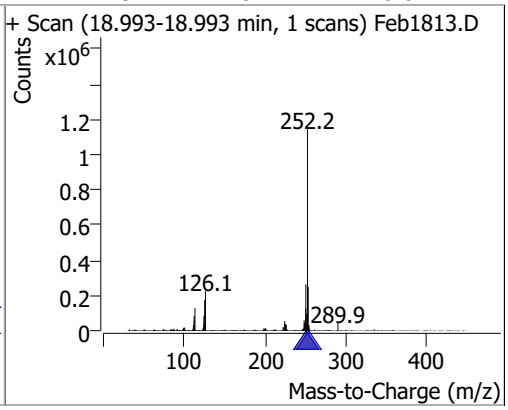




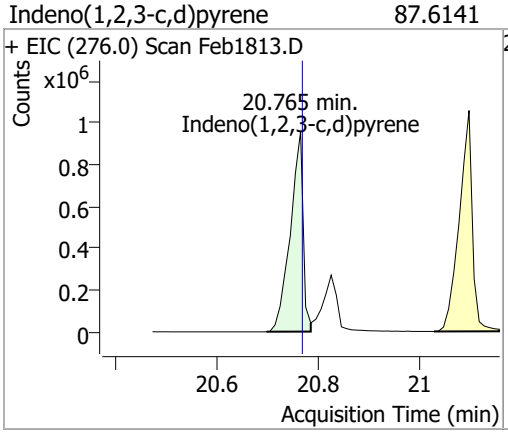
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	86.5188	18.99	0.01	1978488	253.0	22.5	15.1	28.0

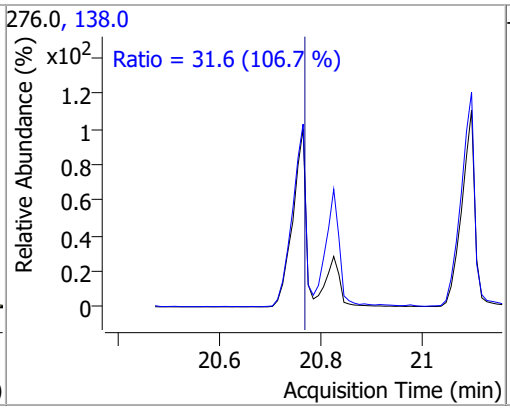


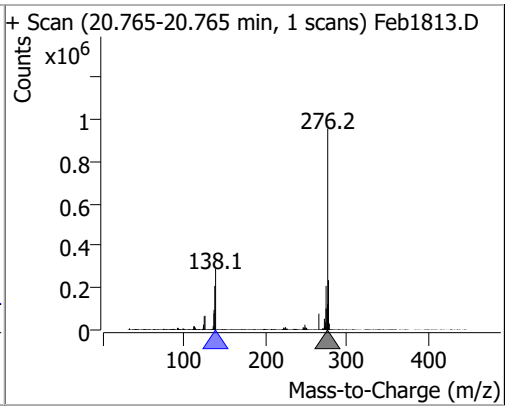




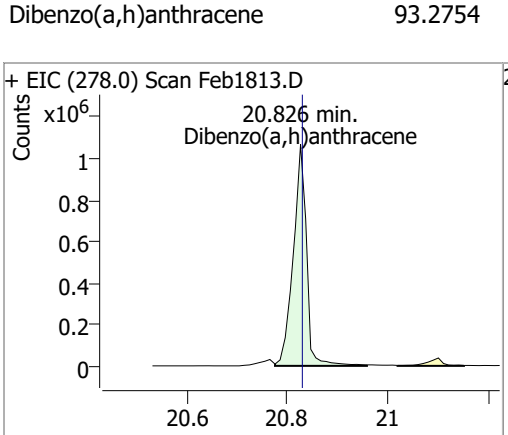
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	87.6141	20.77	0.01	1679669	138.0	31.6	20.7	38.5

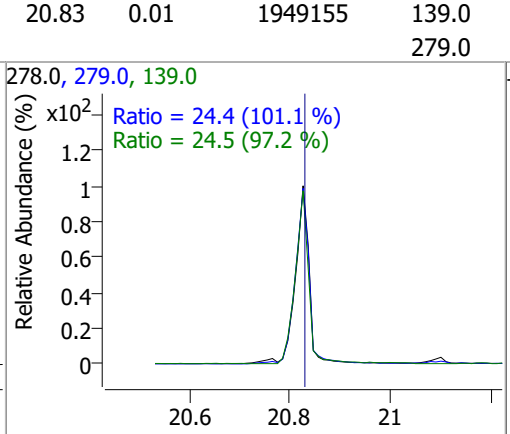


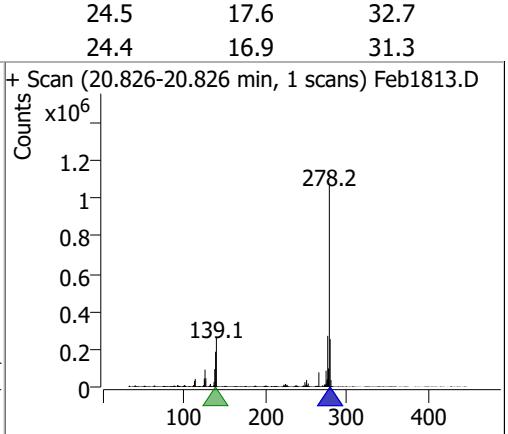




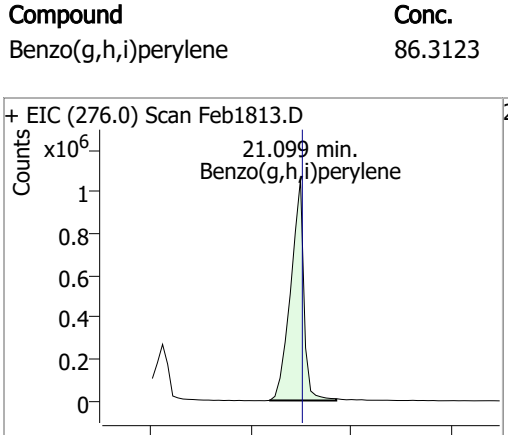
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	93.2754	20.83	0.01	1949155	139.0	24.5	17.6	32.7
					279.0	24.4	16.9	31.3

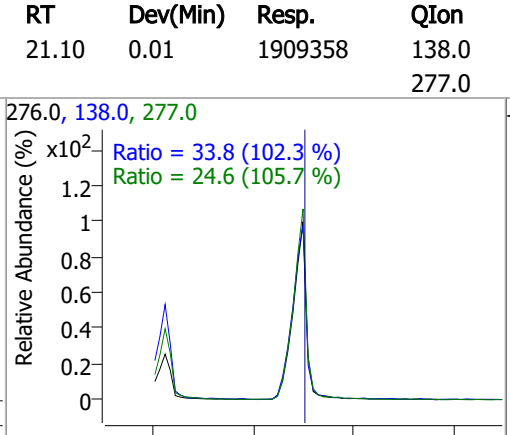


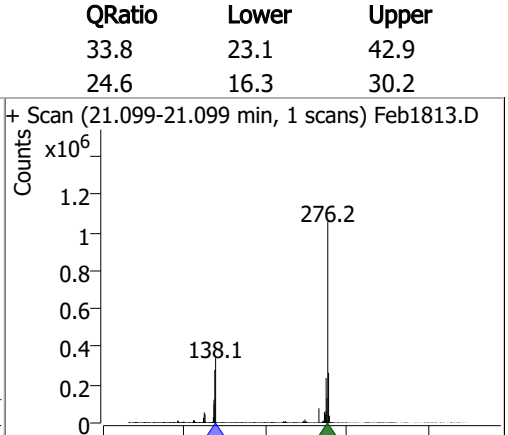




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	86.3123	21.10	0.01	1909358	138.0	33.8	23.1	42.9
					277.0	24.6	16.3	30.2

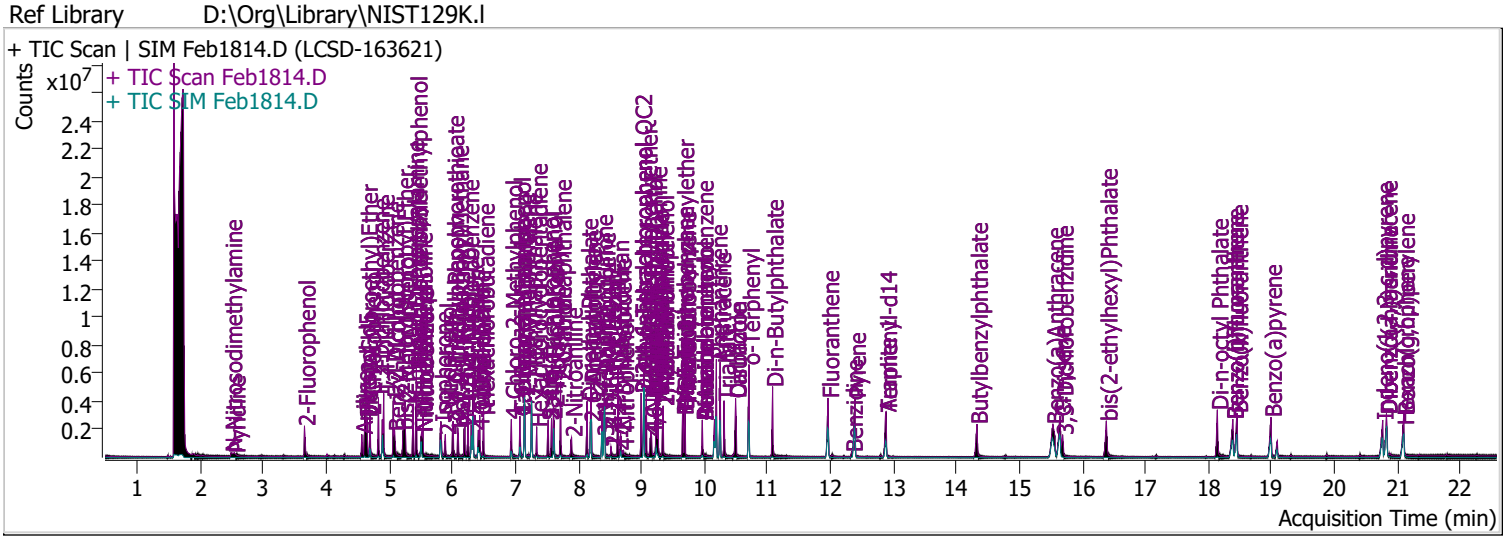






Quantitation Results Report (QT Reviewed)

Data File	Feb1814.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 3:01:02 PM
Sample Name	LCSD-163621	Instrument	Instrument #1
Vial	14	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



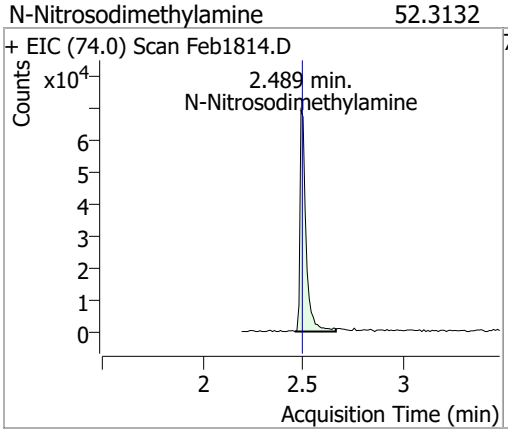
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	753164	78.7486	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 39.37%			
S Phenol-d5	4.613	99.0	1054575	85.9482	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 42.97%			
S Nitrobenzene-d5	5.512	82.0	527777	77.0282	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 77.03%			
S 2-Fluorobiphenyl	7.605	172.0	1329358	68.8547	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 68.85%			
S 2,4,6-Tribromophenol	9.346	329.8	352272	182.9218	µg/L		0.010
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 91.46%			
S Terphenyl-d14	12.885	244.3	1952631	100.9791	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 100.98%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.489	74.0	145519	52.3132	µg/L		91
T Pyridine	2.540	79.0	262723	37.1836	µg/L		100
T Aniline	4.562	93.0	742767	42.2205	µg/L	m	95
T Phenol	4.623	94.0	689170	50.6682	µg/L		91
T bis(-2-Chloroethyl)Ether	4.644	63.0	716277	77.4757	µg/L	m	96
T 2-Chlorophenol	4.695	128.0	757375	69.1152	µg/L		99
T 1,3-Dichlorobenzene	4.828	146.0	931738	65.9956	µg/L	m	99
T 1,4-Dichlorobenzene	4.909	146.0	942538	66.1149	µg/L	m	95
T 1,2-Dichlorobenzene	5.063	146.0	897260	65.1680	µg/L	m	99
T Benzyl Alcohol	5.083	108.0	368069	68.2201	µg/L		97
T bis(2-chloroisopropyl)Ether	5.216	121.0	253395	68.5908	µg/L		97
T 2-Methylphenol	5.246	107.0	726935	76.4873	µg/L		95
T N-nitroso-Di-n-propylamine	5.379	70.0	668297	99.9187	µg/L		97
T 4Methylphenol/3Methylphenol	5.430	107.0	1024398	79.2241	µg/L		99
T Hexachloroethane	5.430	117.0	265810	63.8181	µg/L		98

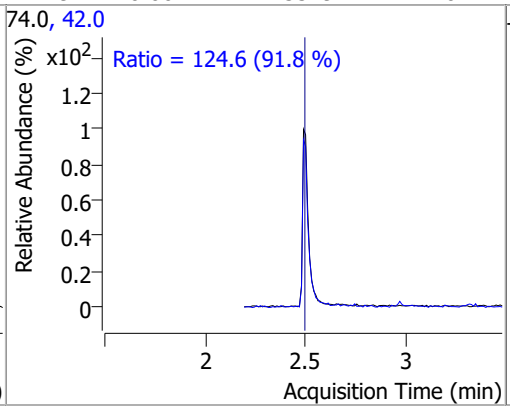
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.532	123.1	309899	90.3974	µg/L		97
T Isophorone	5.818	82.0	1313688	79.3881	µg/L		100
T 2-Nitrophenol	5.890	139.0	299552	80.5018	µg/L		98
T 2,4-Dimethylphenol	6.013	122.0	622756	80.9759	µg/L		99
T bis(-2-Chloroethoxy)Methane	6.085	93.0	784700	81.2062	µg/L		96
T 2,4-Dichlorophenol	6.198	162.0	548763	74.5786	µg/L		96
T Benzoic Acid	6.198	105.0	98504	29.4863	µg/L		90
T 1,2,4-Trichlorobenzene	6.249	180.0	642341	72.4878	µg/L		99
T Naphthalene	6.331	128.0	2237227	86.0356	µg/L		99
T 4-Chlorophenol	6.413	130.0	184351	66.8320	µg/L		88
T p-Chloroaniline	6.434	127.0	729582	70.8699	µg/L		99
T Hexachlorobutadiene	6.496	224.9	336450	73.4809	µg/L		97
T 4-Chloro-2-Methylphenol	6.937	107.0	545135	79.8982	µg/L	m	97
T 4-Chloro-3-Methylphenol	7.071	107.0	605670	84.9928	µg/L	m	98
T 2-Methylnaphthalene	7.143	141.0	1288999	86.4306	µg/L		100
T 1-Methylnaphthalene	7.256	141.0	1101778	75.9674	µg/L		98
T Hexachlorocyclopentadiene	7.338	236.9	214251	78.5859	µg/L		97
T 2,4,6-Trichlorophenol	7.523	196.0	405593	84.9210	µg/L		98
T 2,4,5-Trichlorophenol	7.574	196.0	416733	78.2821	µg/L		96
T 2-Chloronaphthalene	7.718	162.0	1418958	87.4924	µg/L		98
T 2-Nitroaniline	7.892	65.0	269584	92.5341	µg/L		98
T Dimethyl Phthalate	8.139	163.0	1602526	96.6834	µg/L		97
T 2,6-Dinitrotoluene	8.190	165.0	187457	83.5532	µg/L		96
T Acenaphthylene	8.200	152.1	2177506	83.9999	µg/L		99
T 3-Nitroaniline	8.394	138.0	205556	80.6483	µg/L		97
T Acenaphthene	8.415	154.0	1359092	92.2475	µg/L		99
T 2,4-Dinitrophenol	8.517	184.0	91113	80.4246	µg/L		92
T Dibenzofuran	8.630	168.0	2202853	91.6616	µg/L		96
T 2,4-Dinitrotoluene	8.671	165.0	258295	90.5214	µg/L		99
T 4-Nitrophenol	8.712	109.0	96914	37.8509	µg/L		92
T Diethylphthalate	8.998	149.0	1545601	90.2565	µg/L		99
T Fluorene	9.039	166.0	1675369	86.0688	µg/L		99
T 4-Chlorophenyl-phenylether	9.080	204.0	840884	94.9428	µg/L		97
T 4-Nitroaniline	9.151	138.0	253680	93.0200	µg/L		99
T 4,6-Dinitro-2-methylphenol	9.162	198.0	156161	92.5096	µg/L		98
T N-nitrosodiphenylamine	9.233	169.0	1261362	99.2895	µg/L		99
T Azobenzene	9.264	77.0	1476102	87.4325	µg/L		93
T 4-Bromophenyl-phenylether	9.663	248.0	467808	95.7030	µg/L		98
T Hexachlorobenzene	9.694	283.9	468646	96.4221	µg/L		84
T Pentachlorophenol	9.968	265.9	246256	102.6887	µg/L		94
T Phenanthrene	10.191	178.0	2571221	99.3417	µg/L		100
T Anthracene	10.252	178.0	2509281	101.1685	µg/L	m	100
T Triallate	10.313	86.0	548502	91.0470	µg/L		99
T Carbazole	10.495	167.0	2522042	99.9442	µg/L		99
T o-Terphenyl	10.708	230.0	1339598	96.4666	µg/L		99
T Di-n-Butylphthalate	11.082	149.0	2563247	102.8703	µg/L		99
T Fluoranthene	11.964	202.0	2547135	96.5770	µg/L		99
T Benzidine	12.338	184.0	234871	24.4583	µg/L		100
T Pyrene	12.389	202.0	2729126	95.1711	µg/L		99
T Butylbenzylphthalate	14.326	149.0	847978	95.5621	µg/L		100
T Benzo(a)Anthracene	15.532	228.0	2194895	98.2422	µg/L		99
T Chrysene	15.645	228.0	2365548	95.2611	µg/L		99
T 3,3-Dichlorobenzidine	15.686	252.0	601724	76.4062	µg/L		99
T bis(2-ethylhexyl)Phthalate	16.381	167.0	302100	97.8966	µg/L		98
T Di-n-octyl Phthalate	18.143	149.0	2055503	97.7716	µg/L		99

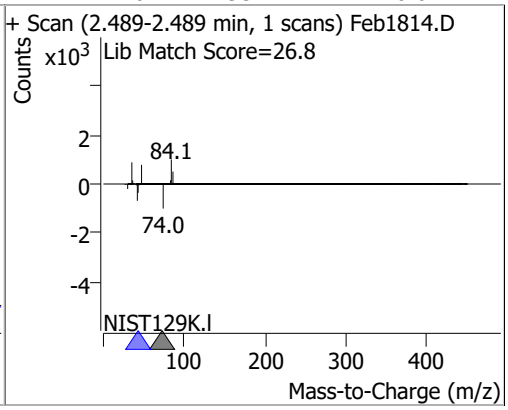
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.386	252.0	2066351	94.7841	µg/L	99
T Benzo(k)fluoranthene	18.457	252.0	2157428	93.4074	µg/L	99
T Benzo(a)pyrene	18.993	252.0	1905570	91.6517	µg/L	97
T Indeno(1,2,3-c,d)pyrene	20.765	276.0	1582783	90.7933	µg/L	96
T Dibenzo(a,h)anthracene	20.826	278.0	1868827	98.3235	µg/L	100
T Benzo(g,h,i)perylene	21.100	276.0	1894237	94.2176	µg/L	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

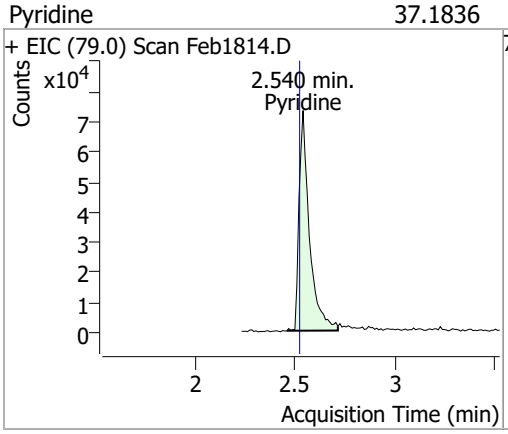
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	52.3132	2.49	0.00	145519	42.0	124.6	95.1	176.6

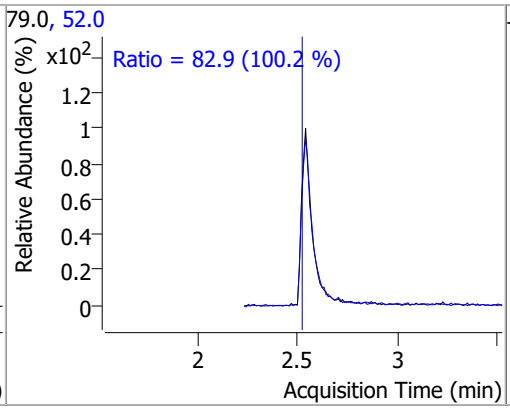


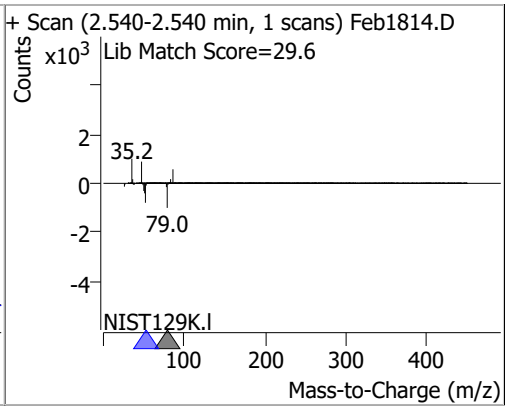




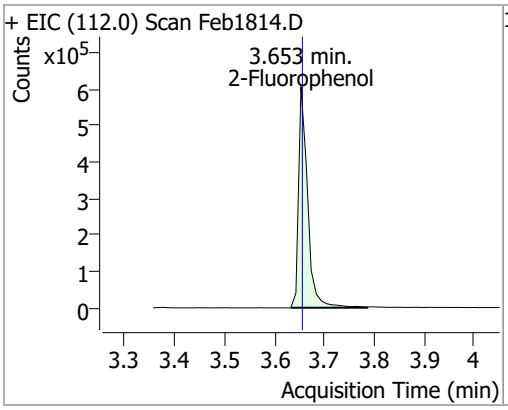
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	37.1836	2.54	0.01	262723	52.0	82.9	57.9	107.6

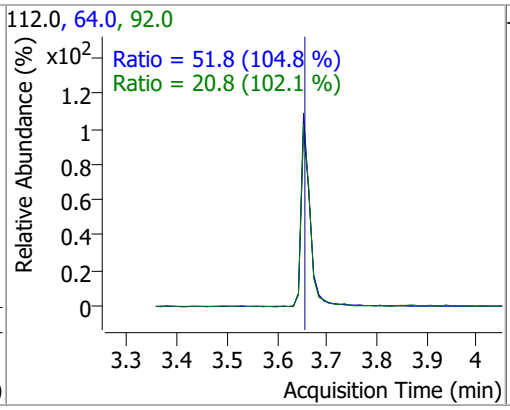


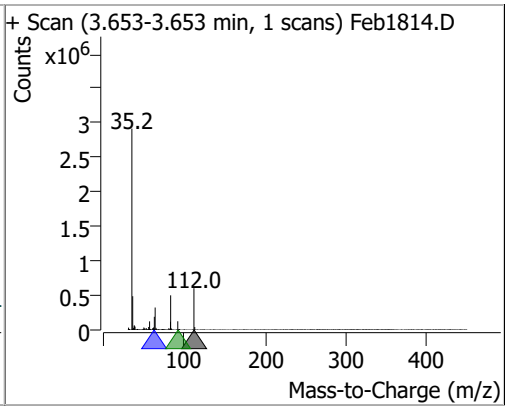




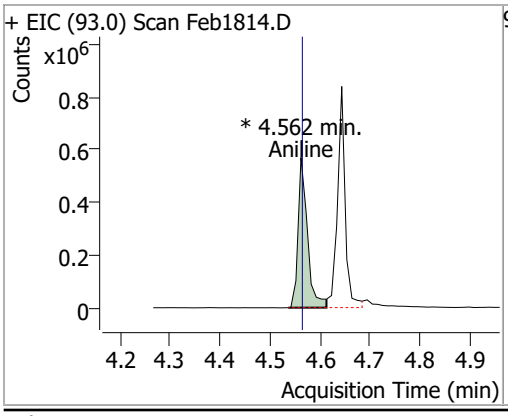
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	78.7486	3.65	0.00	753164	64.0	51.8	34.6	64.3
					92.0	20.8	14.2	26.5

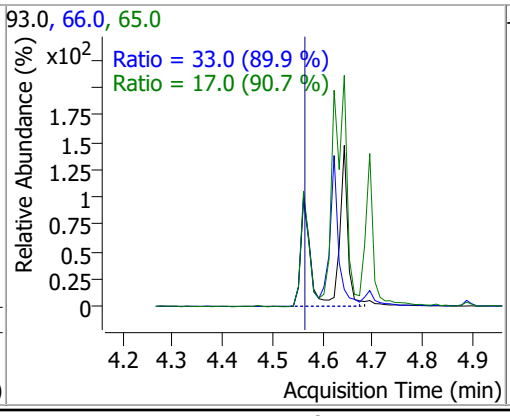


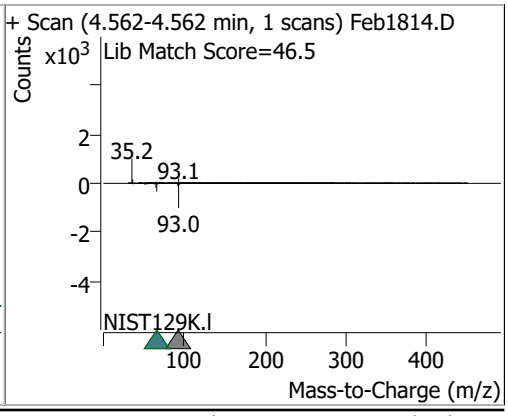




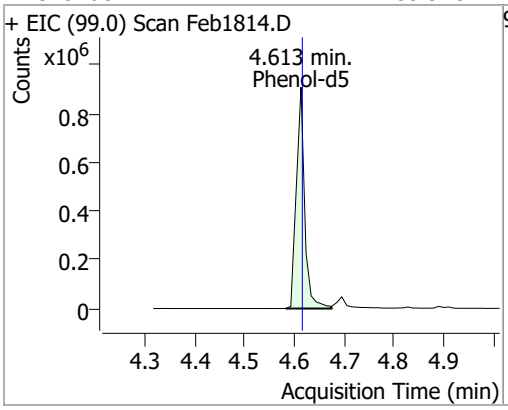
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	42.2205	4.56	0.00	742767 (m)	66.0	33.0	25.7	47.8
					65.0	17.0	13.1	24.4

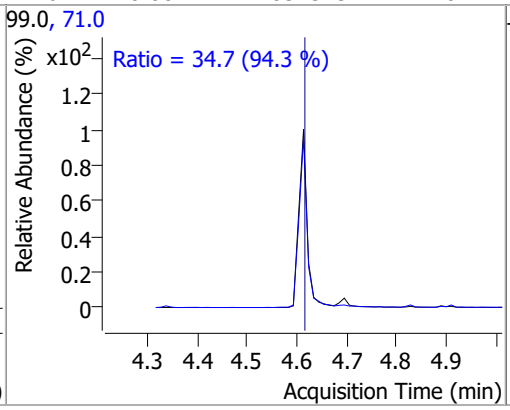


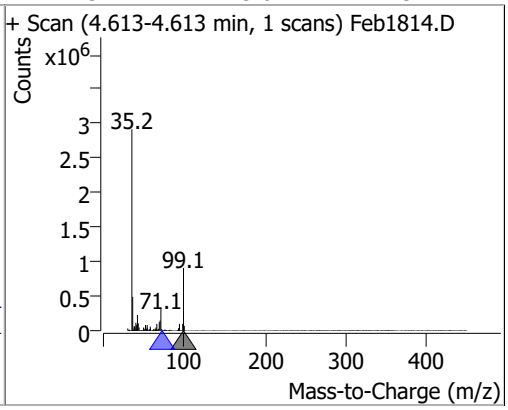




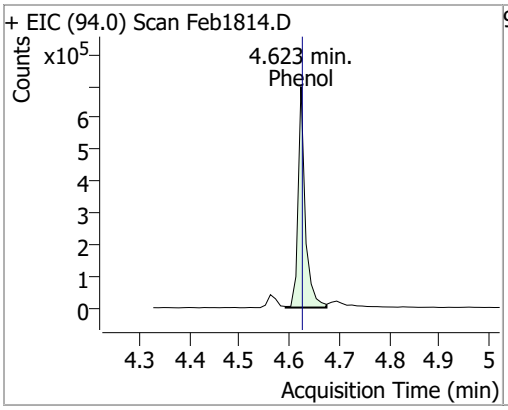
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	85.9482	4.61	0.00	1054575	71.0	34.7	25.8	47.9

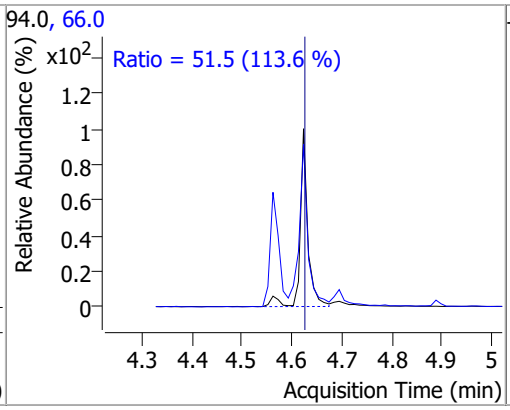


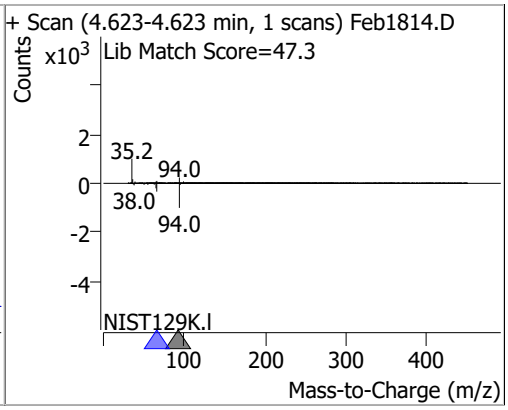




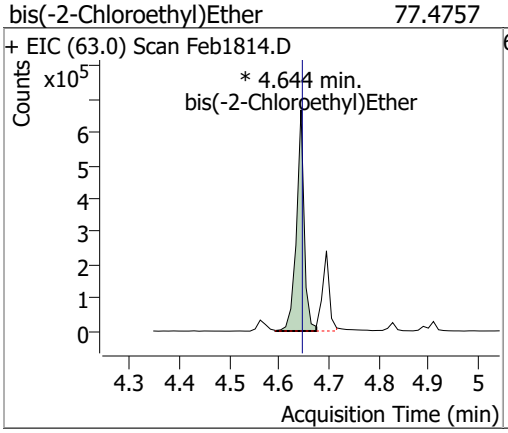
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	50.6682	4.62	0.00	689170	66.0	51.5	31.7	58.9

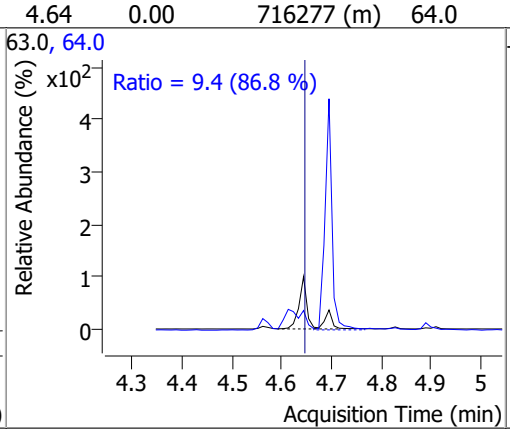


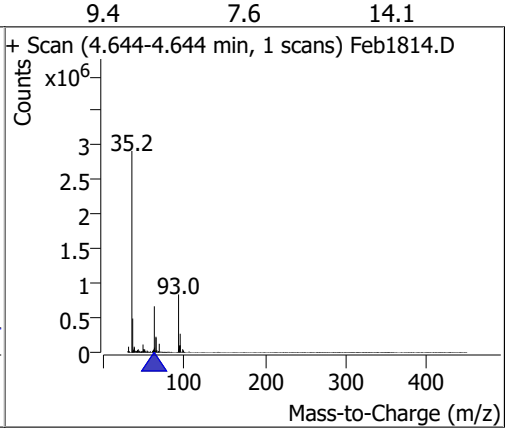




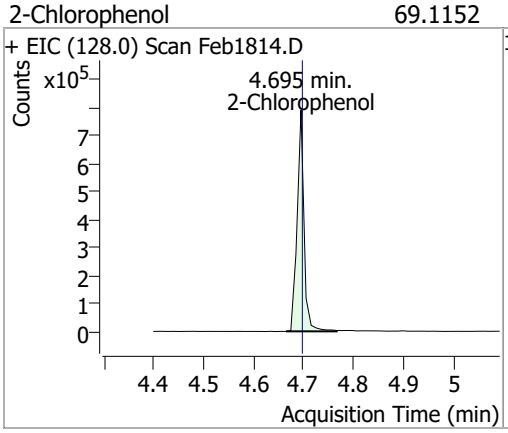
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	77.4757	4.64	0.00	716277 (m)	64.0	9.4	7.6	14.1

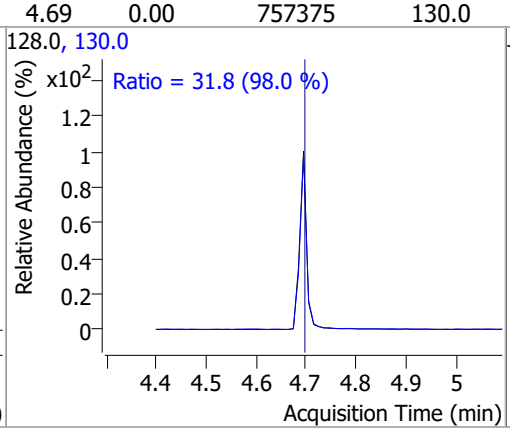


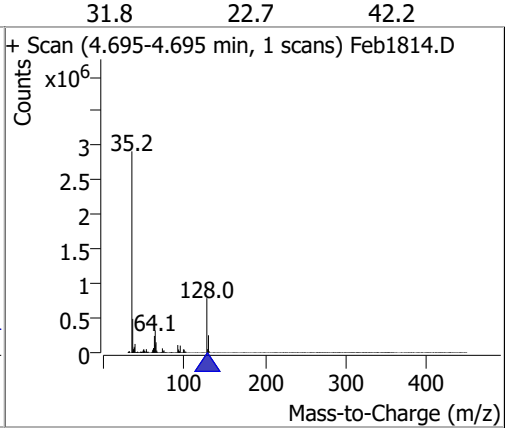




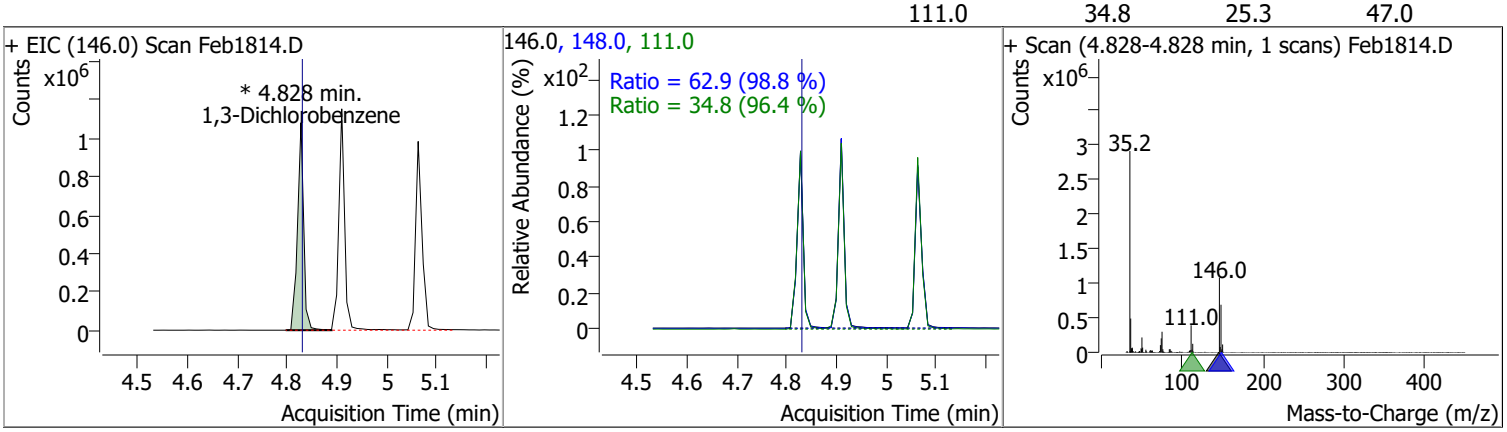
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	69.1152	4.69	0.00	757375	130.0	31.8	22.7	42.2



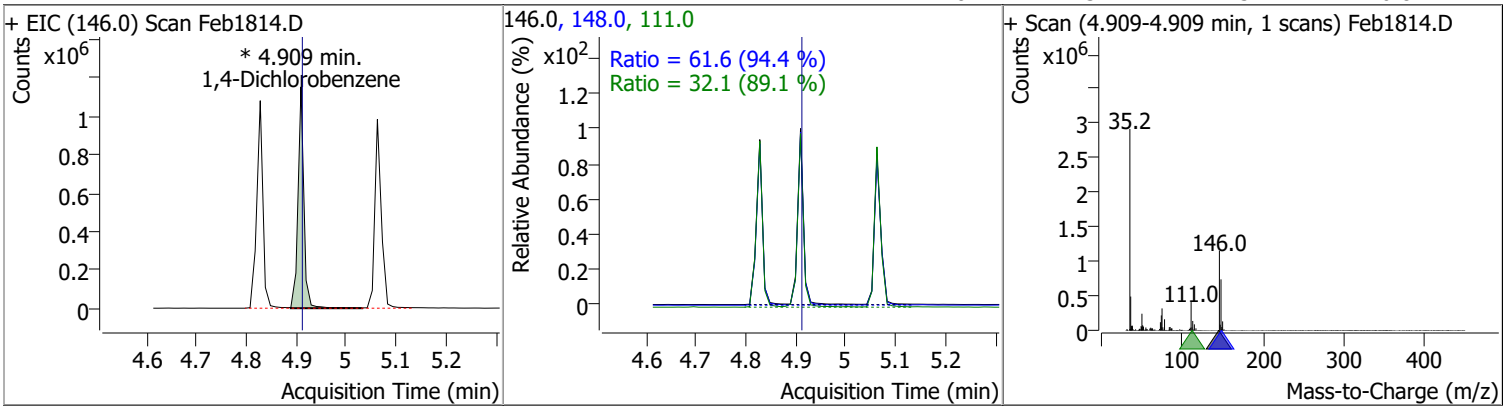




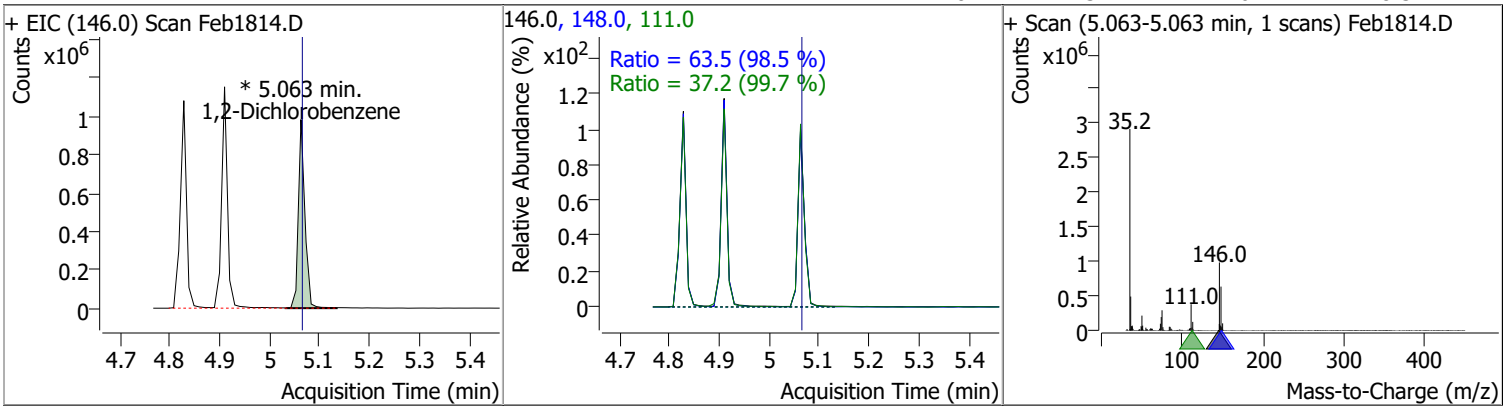
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	65.9956	4.83	0.00	931738 (m)	148.0	62.9	44.6	82.8
					111.0	34.8	25.3	47.0



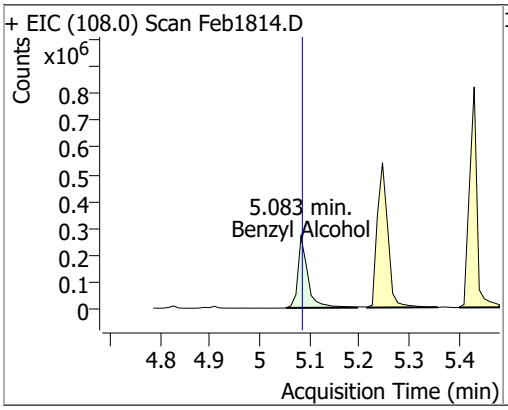
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	66.1149	4.91	0.00	942538 (m)	148.0	61.6	45.6	84.8
					111.0	32.1	25.2	46.8

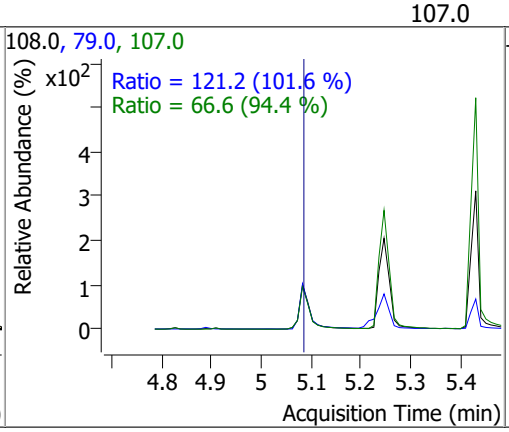


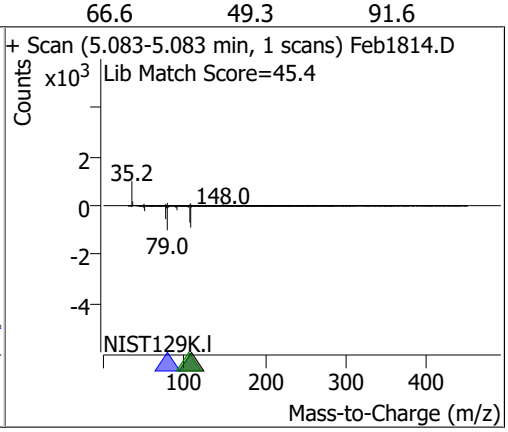
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	65.1680	5.06	0.00	897260 (m)	148.0	63.5	45.1	83.8
					111.0	37.2	26.1	48.5



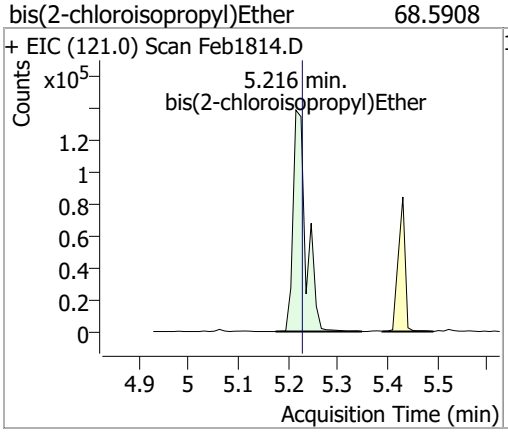
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	68.2201	5.08	0.00	368069	79.0	121.2	83.5	155.1
					107.0	66.6	49.3	91.6

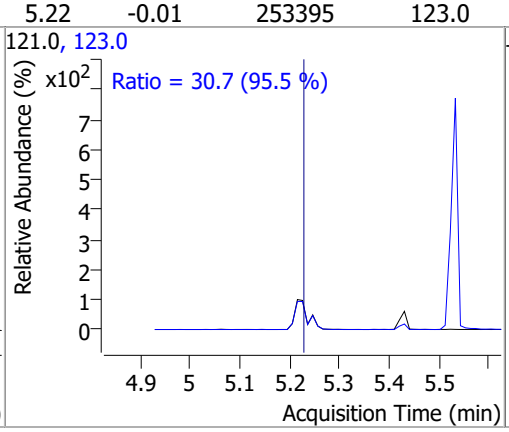


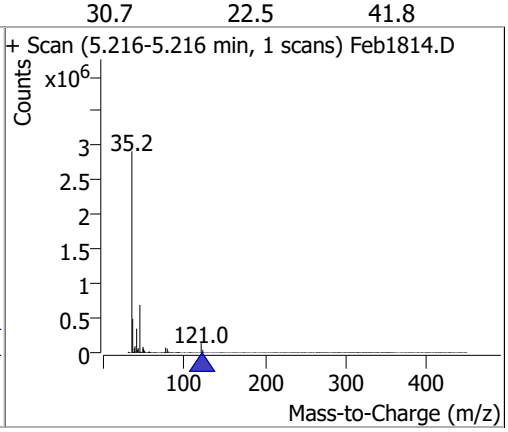




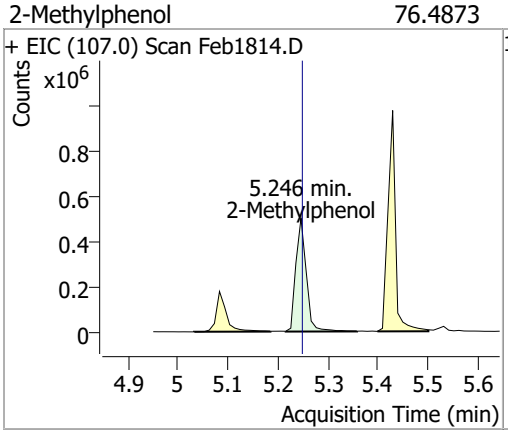
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	68.5908	5.22	-0.01	253395	123.0	30.7	22.5	41.8

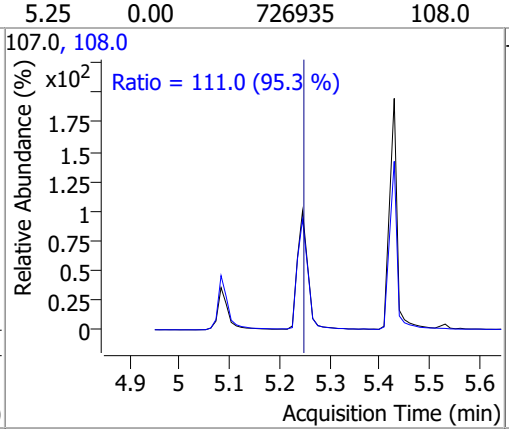


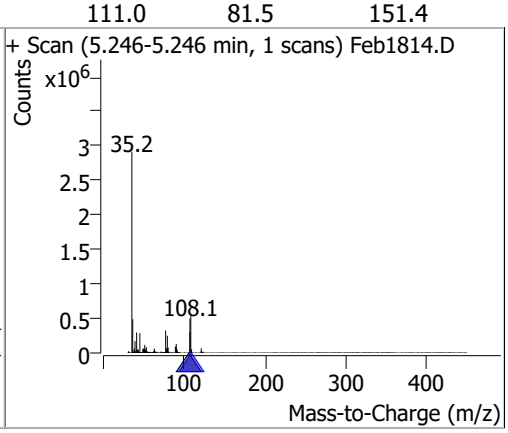




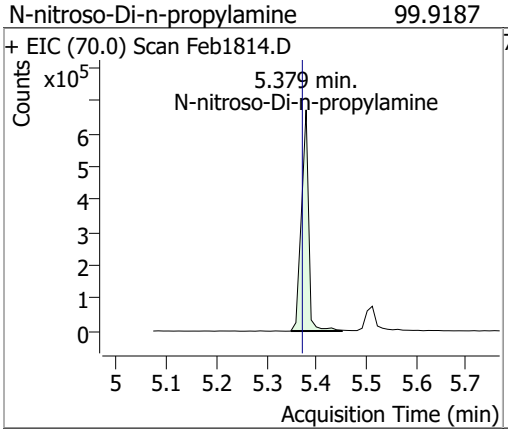
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	76.4873	5.25	0.00	726935	108.0	111.0	81.5	151.4

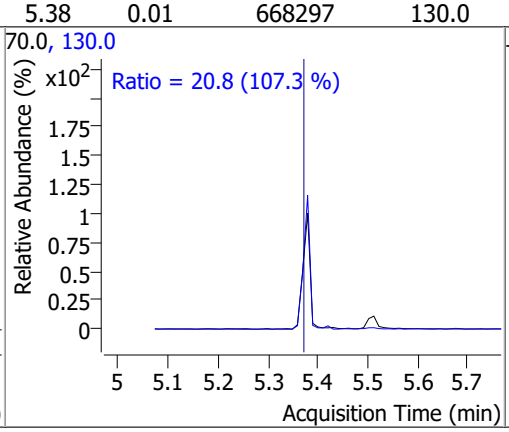


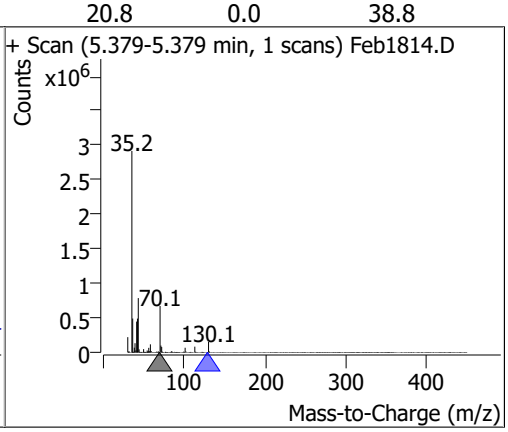




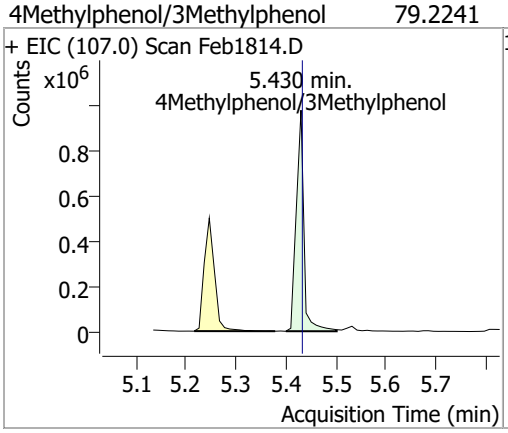
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	99.9187	5.38	0.01	668297	130.0	20.8	0.0	38.8

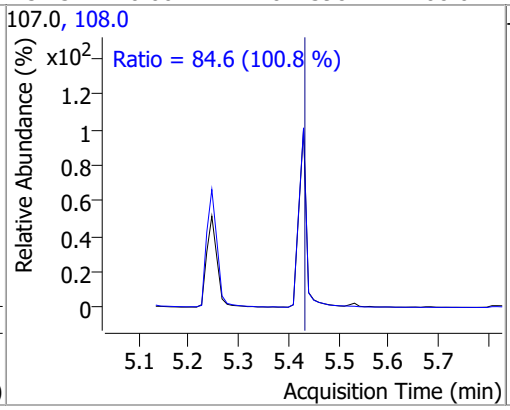


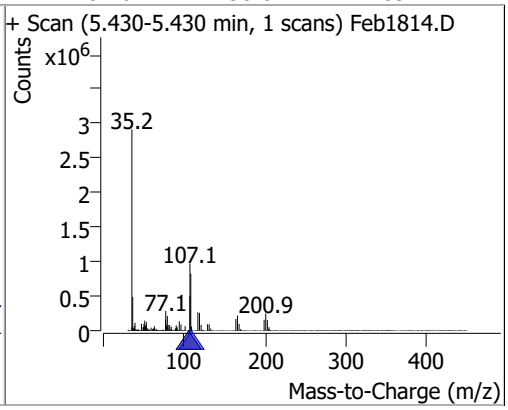




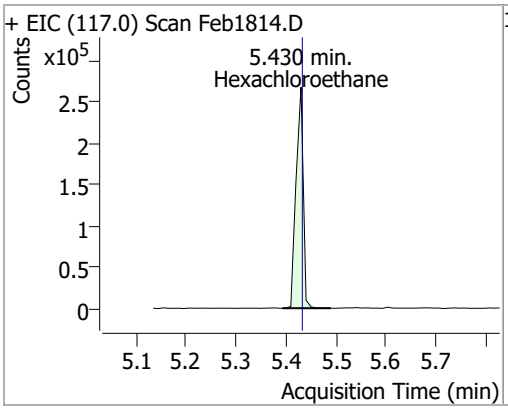
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	79.2241	5.43	0.00	1024398	108.0	84.6	58.8	109.1

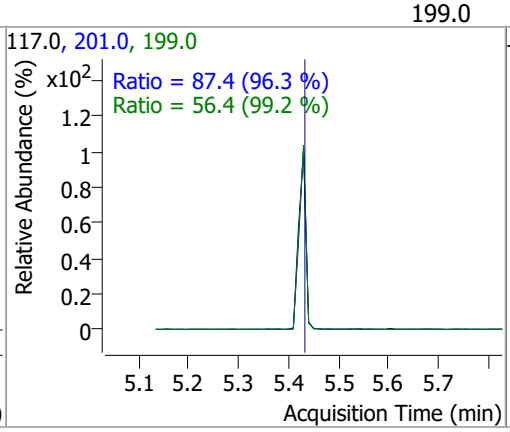


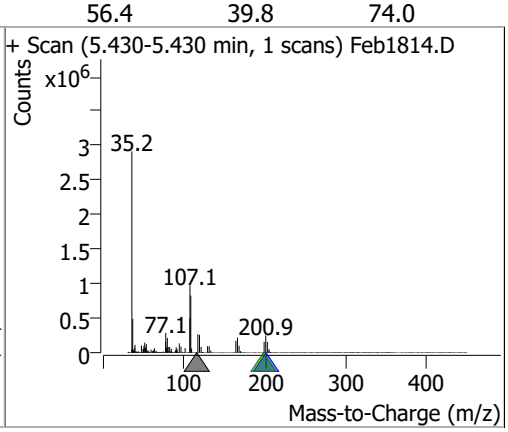




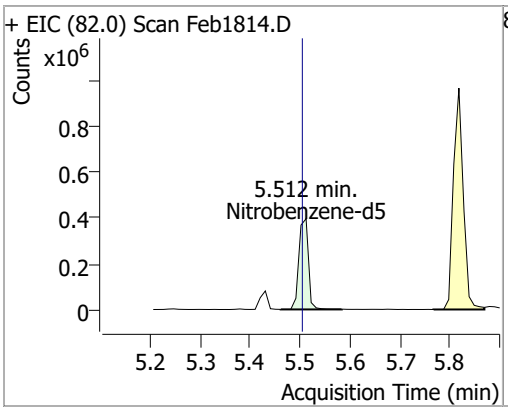
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	63.8181	5.43	0.00	265810	201.0	87.4	63.5	118.0
					199.0	56.4	39.8	74.0

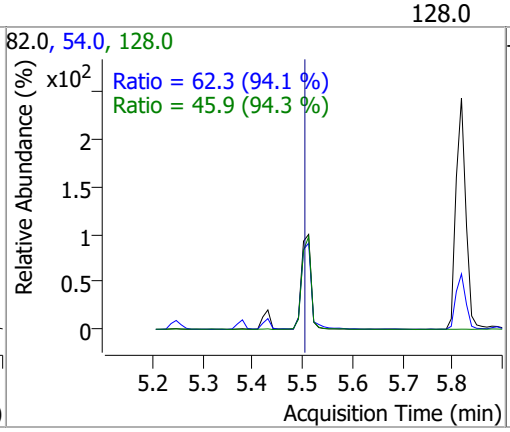


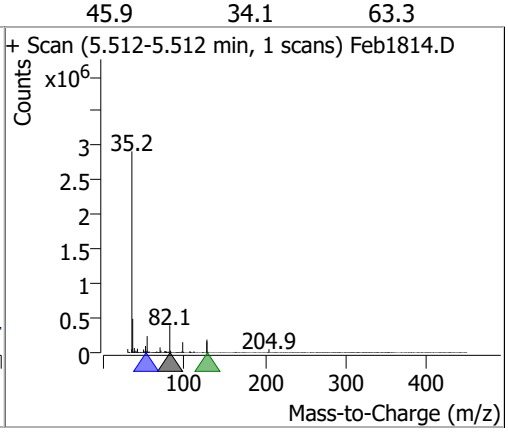




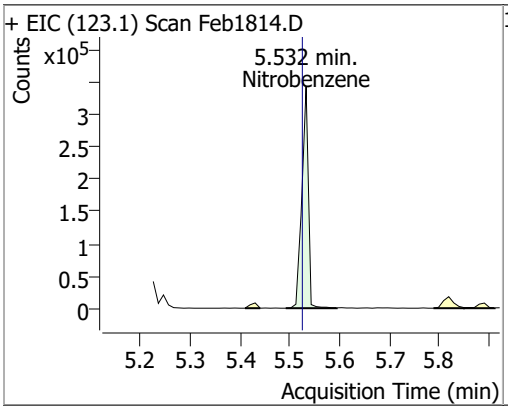
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	77.0282	5.51	0.01	527777	54.0	62.3	46.3	86.0
					128.0	45.9	34.1	63.3

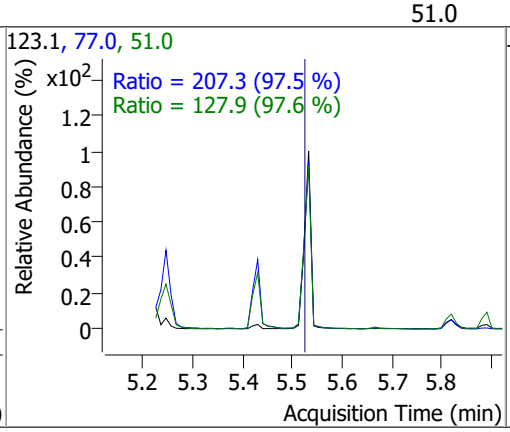


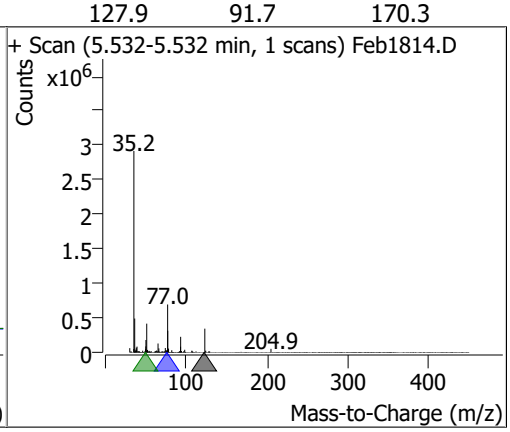




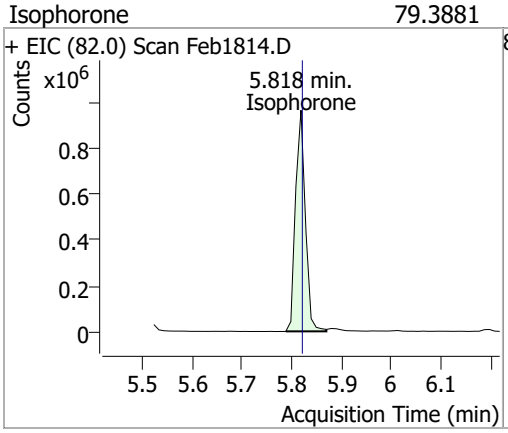
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	90.3974	5.53	0.01	309899	77.0	207.3	148.9	276.5
					51.0	127.9	91.7	170.3

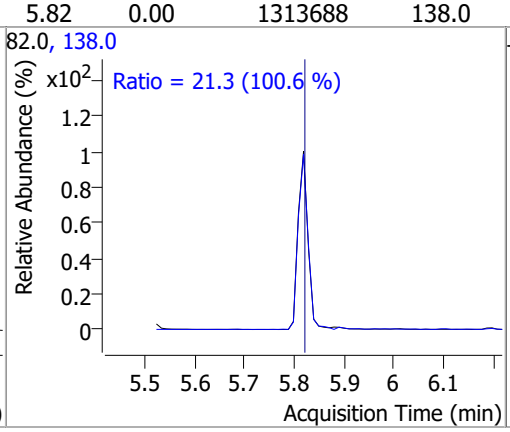


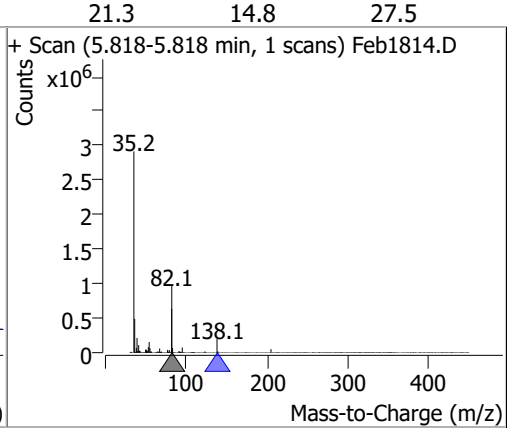




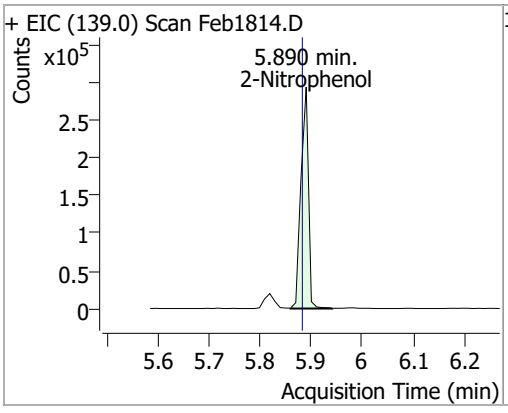
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	79.3881	5.82	0.00	1313688	138.0	21.3	14.8	27.5

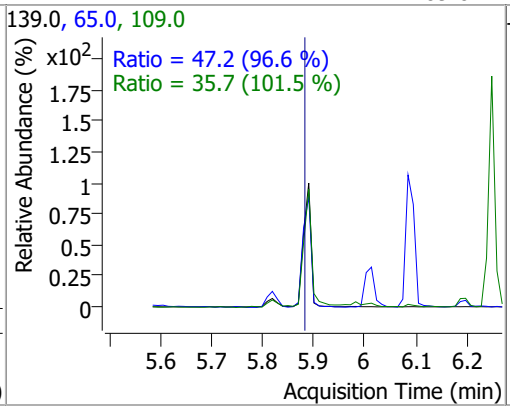


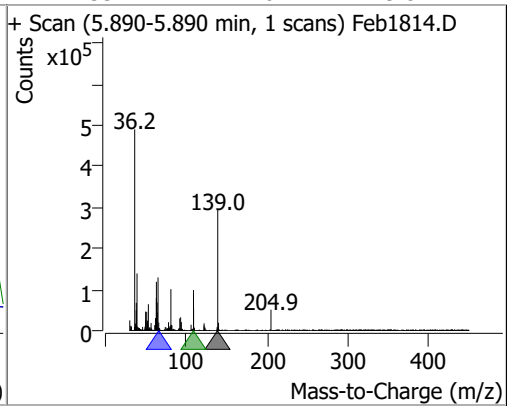




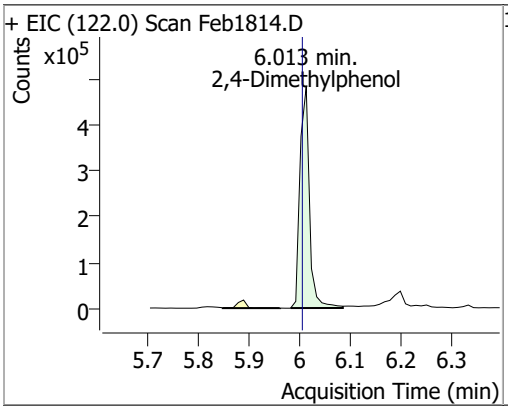
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	80.5018	5.89	0.01	299552	65.0	47.2	34.2	63.4
					109.0	35.7	24.6	45.8

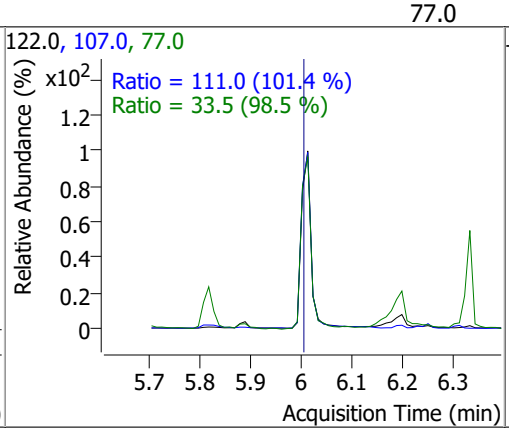


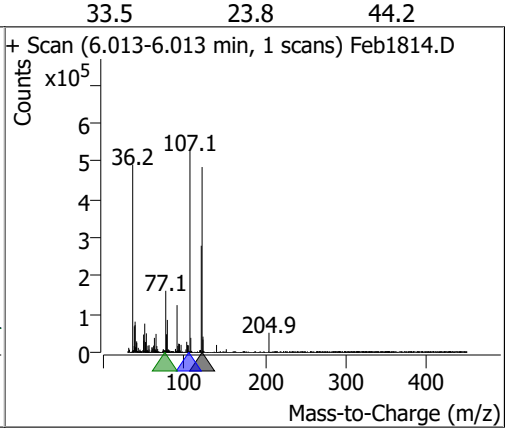




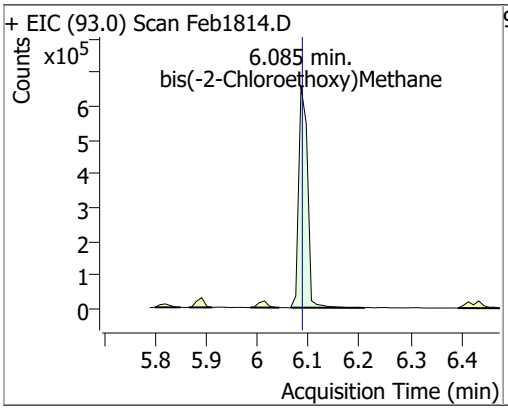
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	80.9759	6.01	0.01	622756	107.0	111.0	76.6	142.3
					77.0	33.5	23.8	44.2

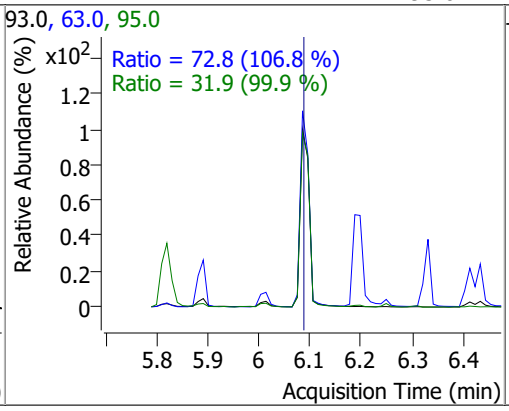


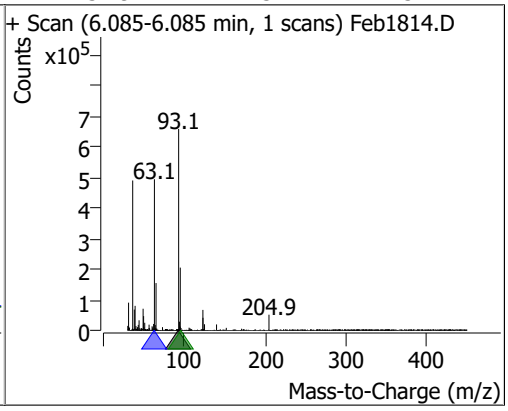




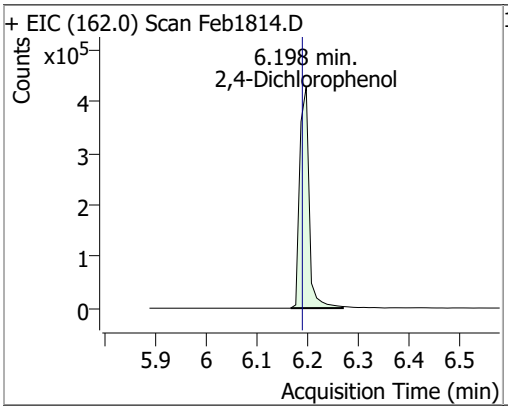
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	81.2062	6.08	0.00	784700	63.0	72.8	47.7	88.6
					95.0	31.9	22.3	41.5

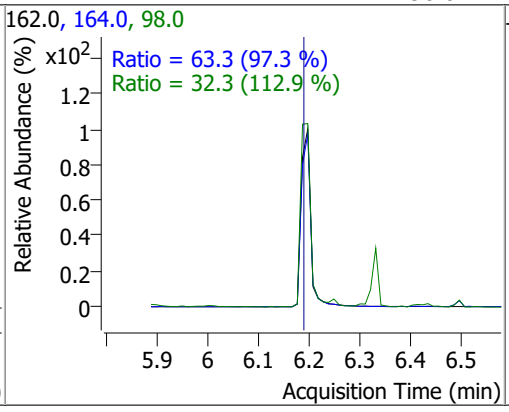


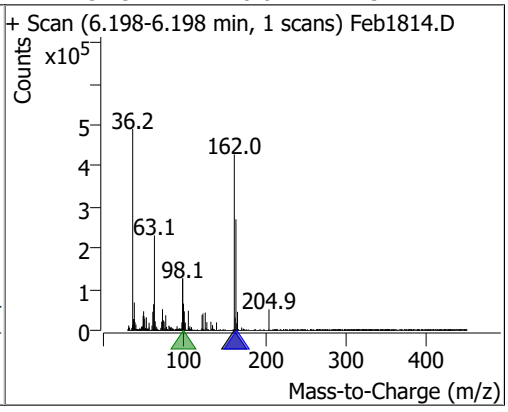




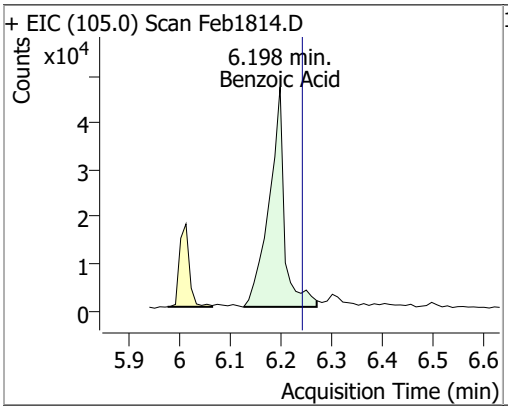
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	74.5786	6.20	0.01	548763	164.0	63.3	45.5	84.5
					98.0	32.3	20.0	37.1

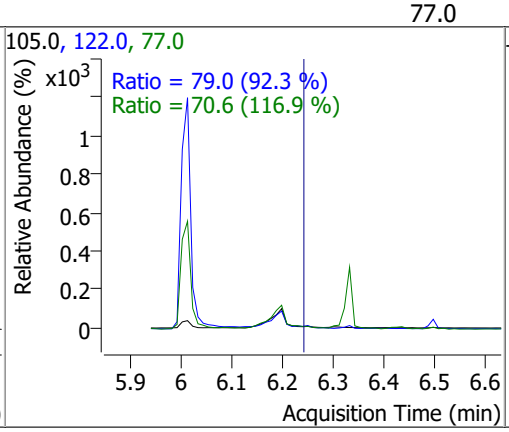


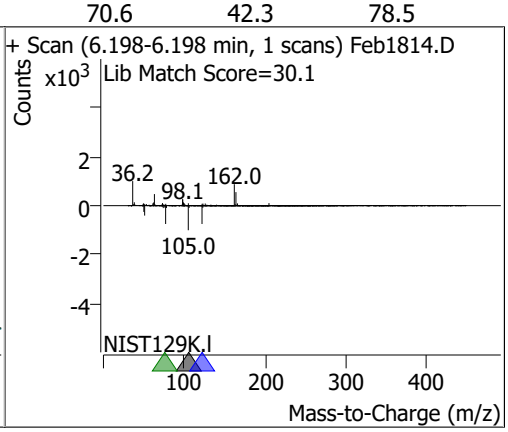




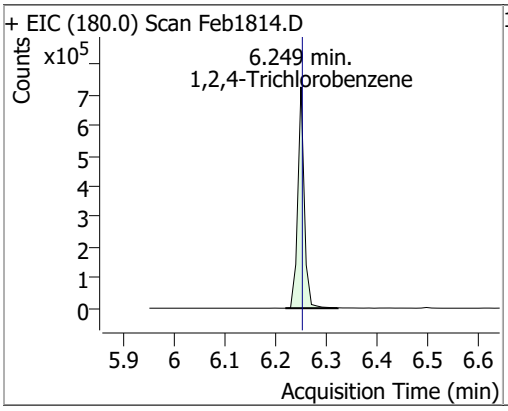
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	29.4863	6.20	-0.04	98504	122.0	79.0	59.9	111.2
					77.0	70.6	42.3	78.5

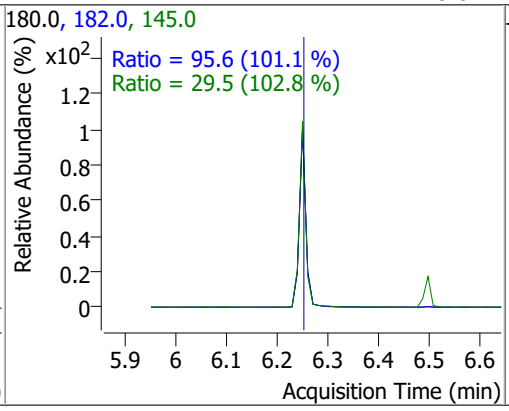


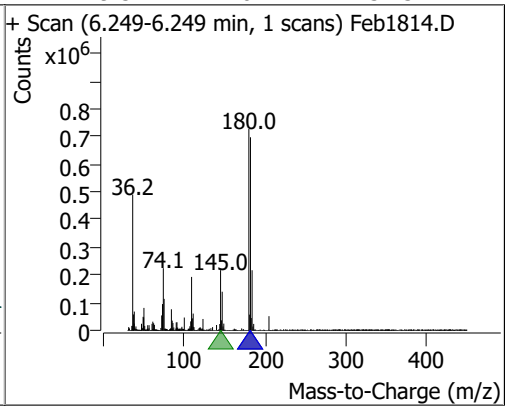




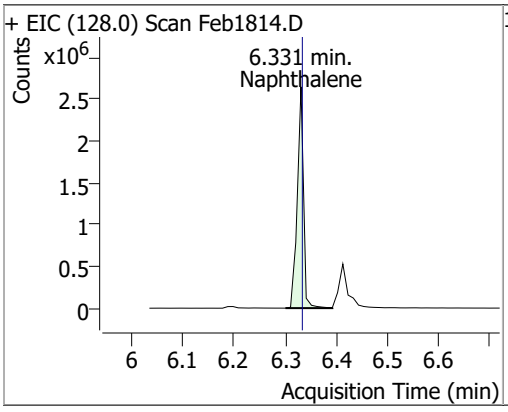
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	72.4878	6.25	0.00	642341	182.0	95.6	66.2	122.9
					145.0	29.5	20.1	37.3

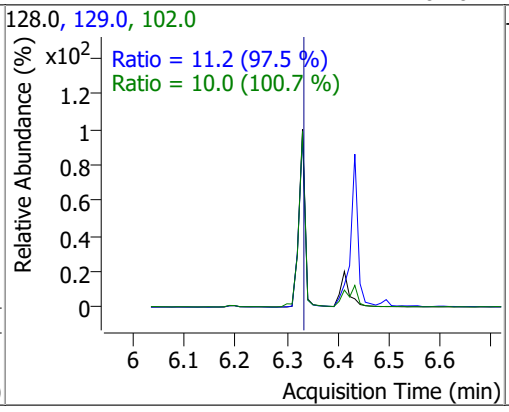


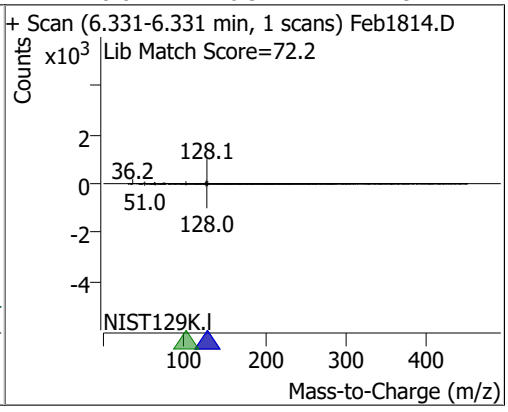




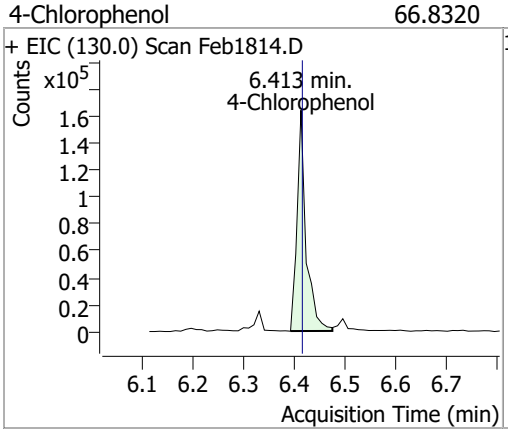
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	86.0356	6.33	0.00	2237227	129.0	11.2	8.0	14.9
					102.0	10.0	6.9	12.9

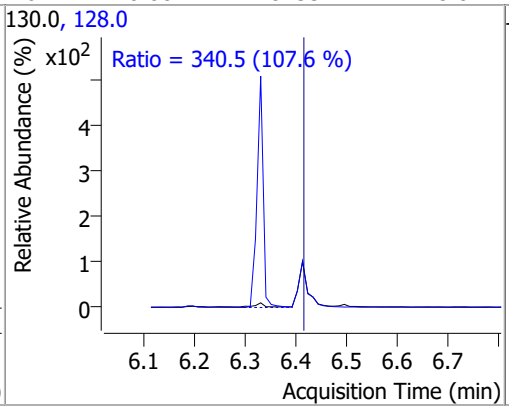


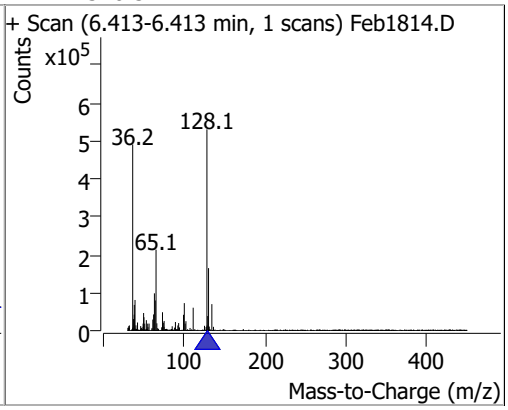




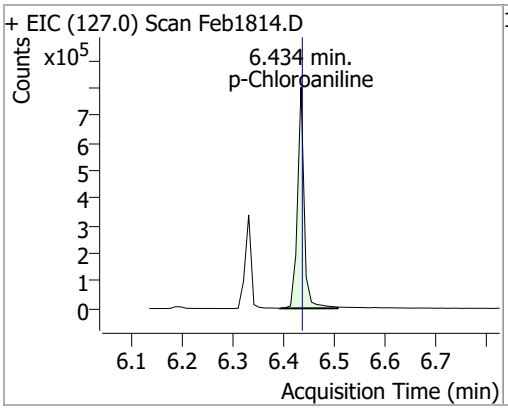
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	66.8320	6.41	0.00	184351	128.0	340.5	221.4	411.2

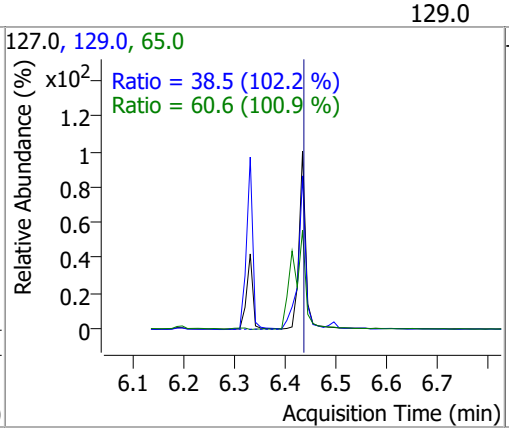


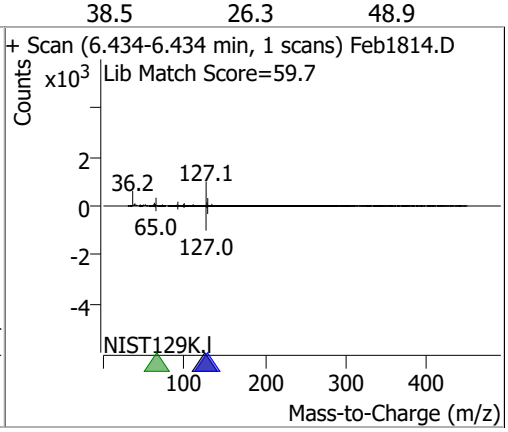




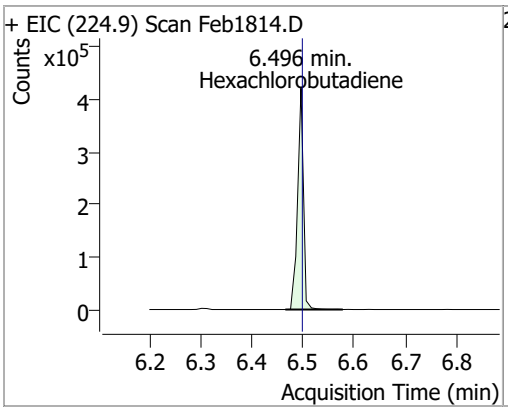
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	70.8699	6.43	0.00	729582	65.0	60.6	42.1	78.2
					129.0	38.5	26.3	48.9

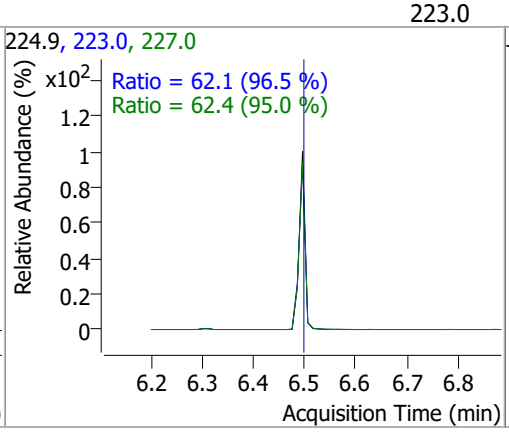


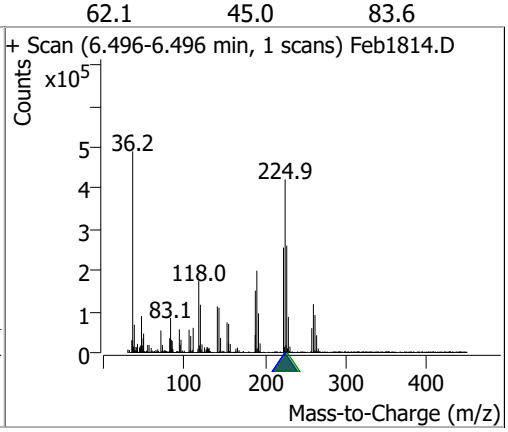




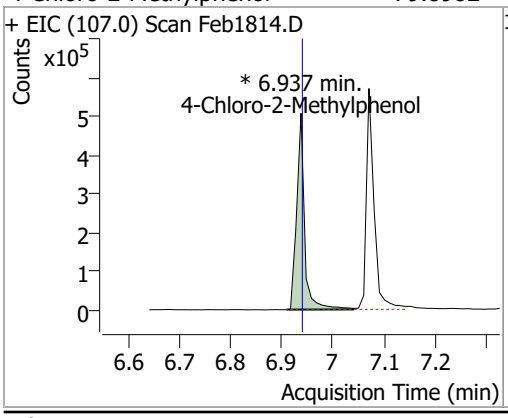
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	73.4809	6.50	0.00	336450	227.0	62.4	46.0	85.4
					223.0	62.1	45.0	83.6

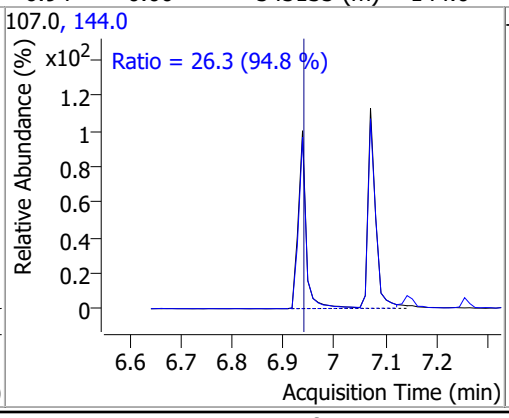


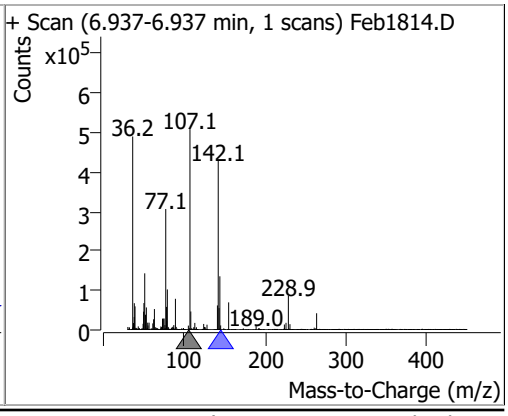




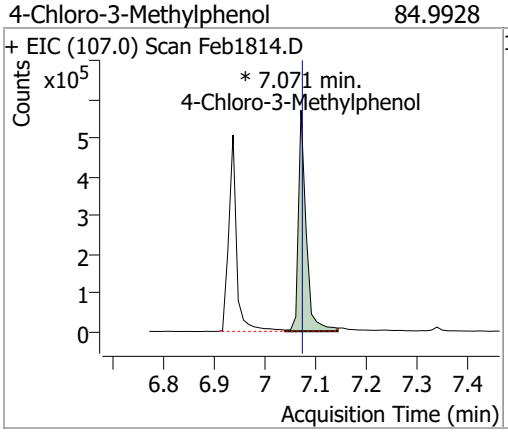
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	79.8982	6.94	0.00	545135 (m)	144.0	26.3	19.4	36.1

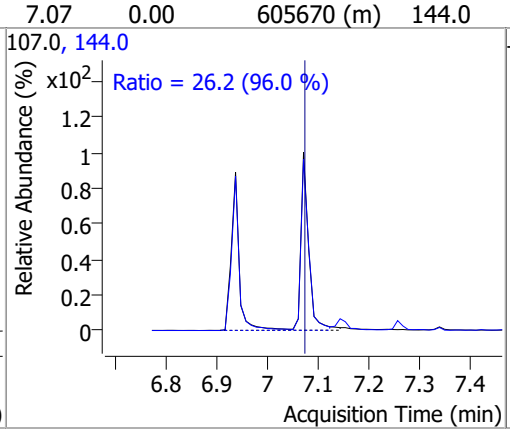


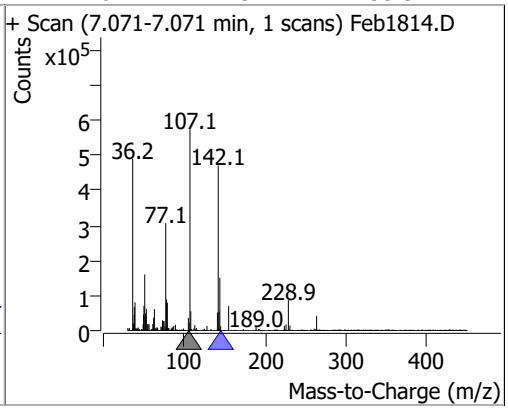




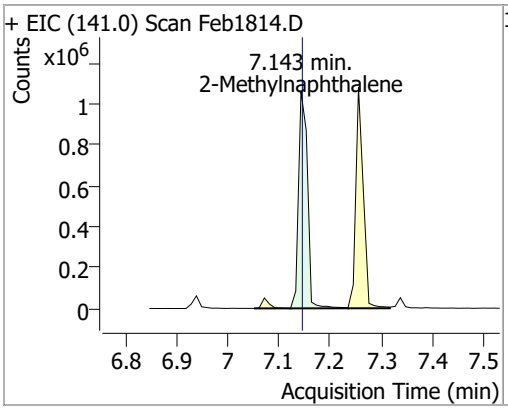
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	84.9928	7.07	0.00	605670 (m)	144.0	26.2	19.1	35.5

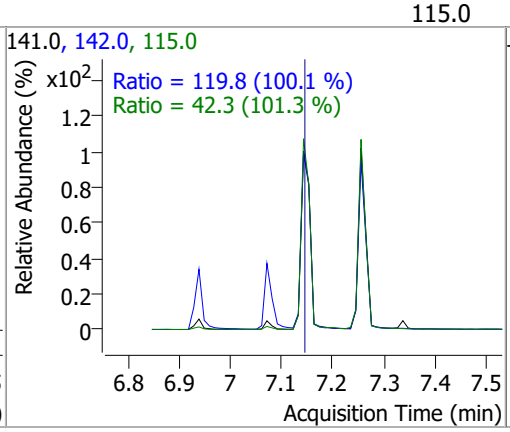


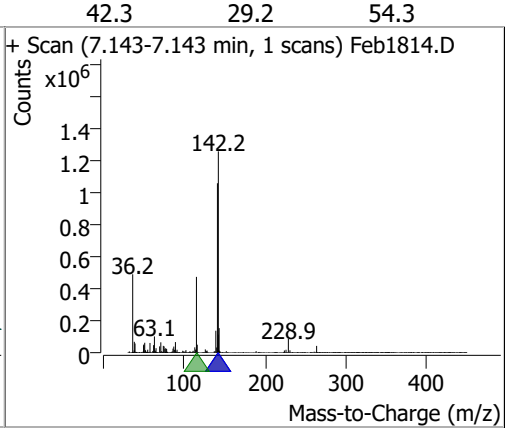




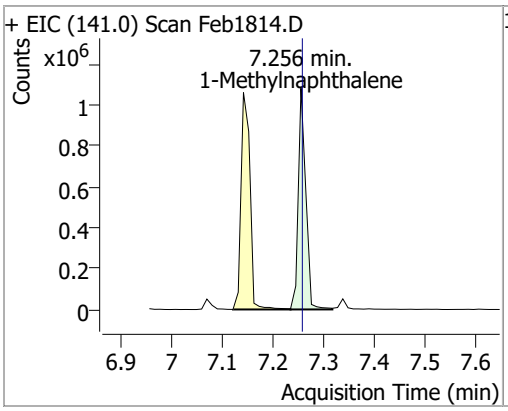
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	86.4306	7.14	0.00	1288999	142.0	119.8	83.8	155.7
					115.0	42.3	29.2	54.3

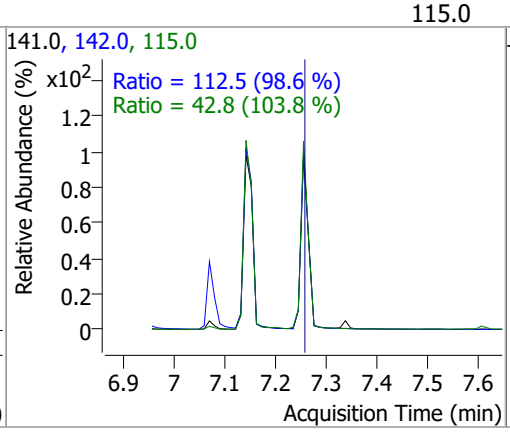


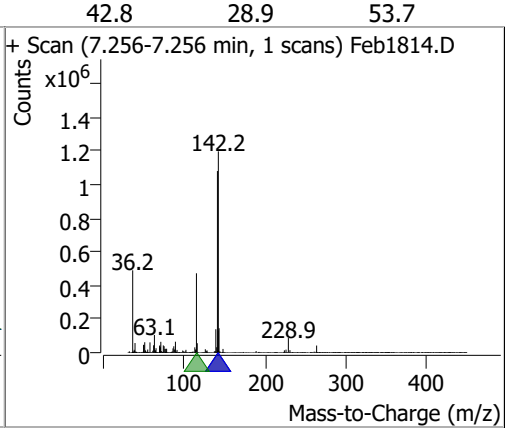




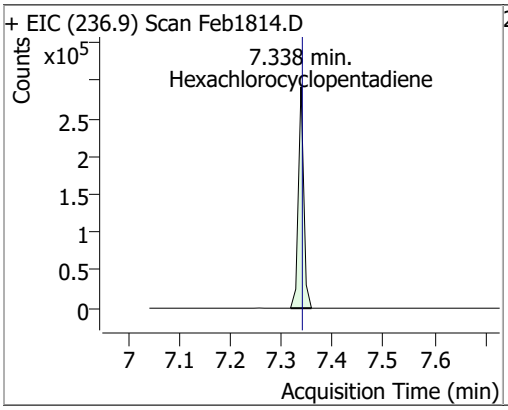
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	75.9674	7.26	0.00	1101778	142.0	112.5	79.8	148.2
					115.0	42.8	28.9	53.7

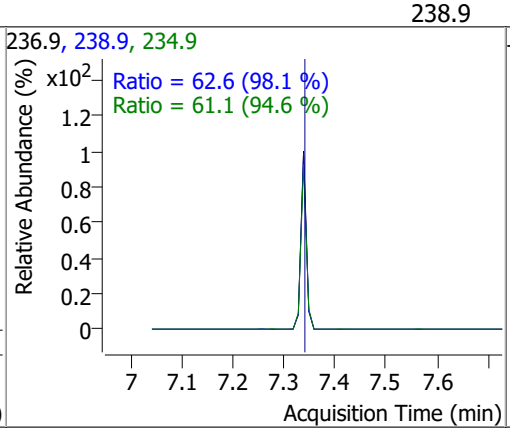


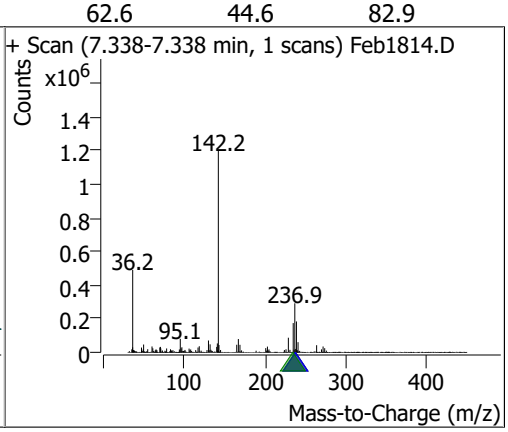




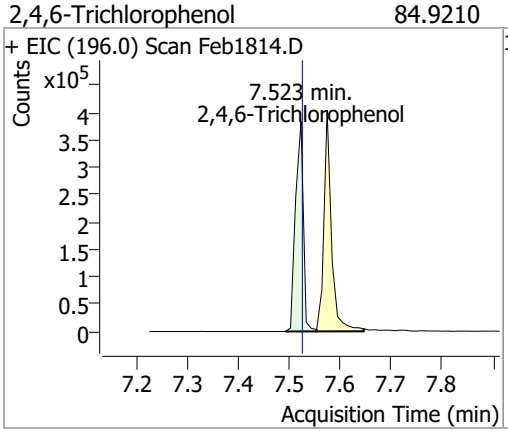
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	78.5859	7.34	0.00	214251	234.9	61.1	45.2	84.0
					238.9	62.6	44.6	82.9

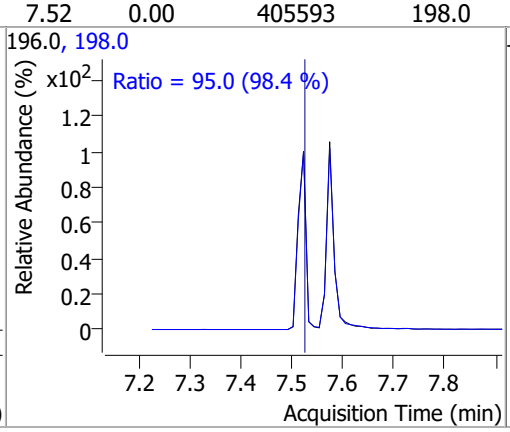


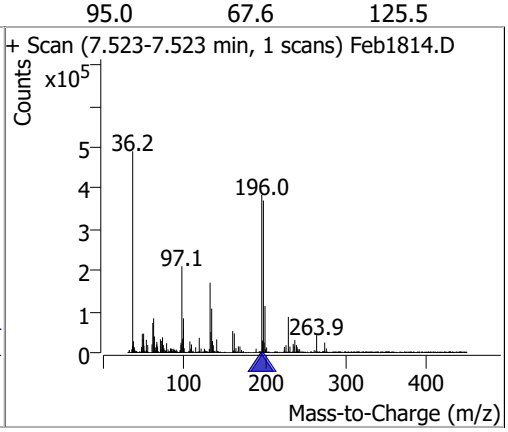




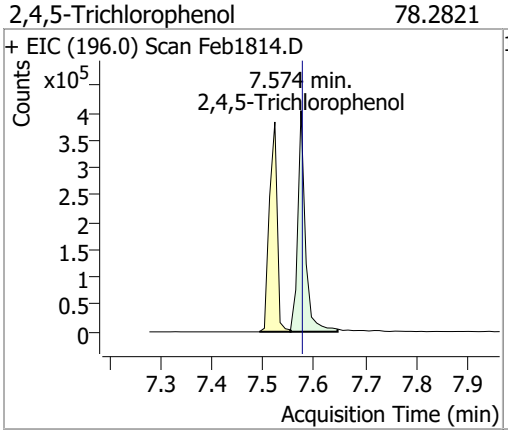
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	84.9210	7.52	0.00	405593	198.0	95.0	67.6	125.5

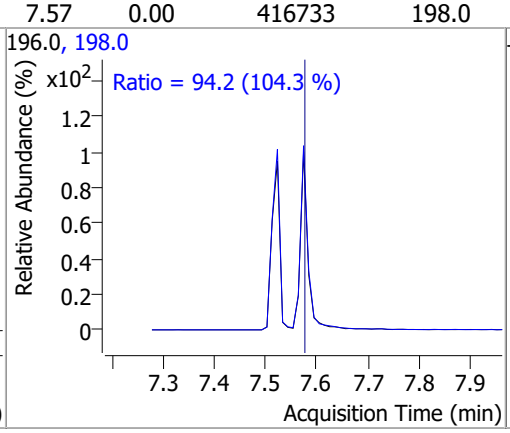


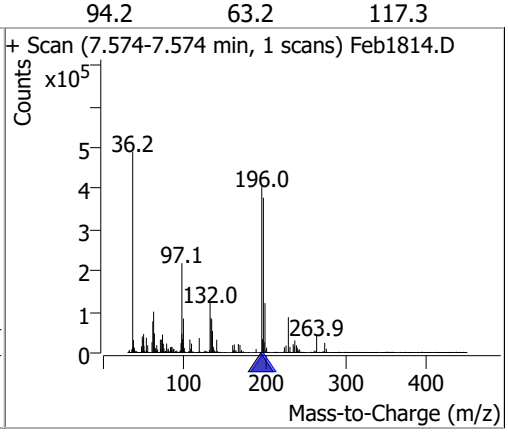




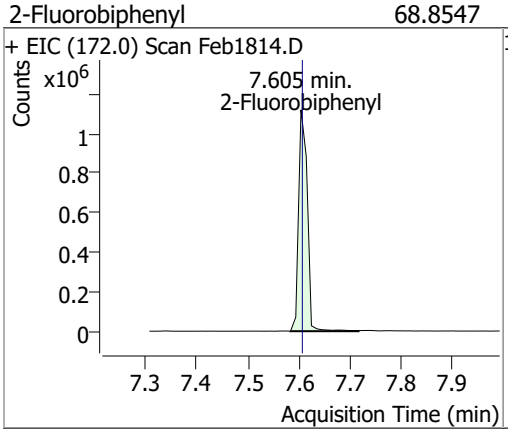
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	78.2821	7.57	0.00	416733	198.0	94.2	63.2	117.3

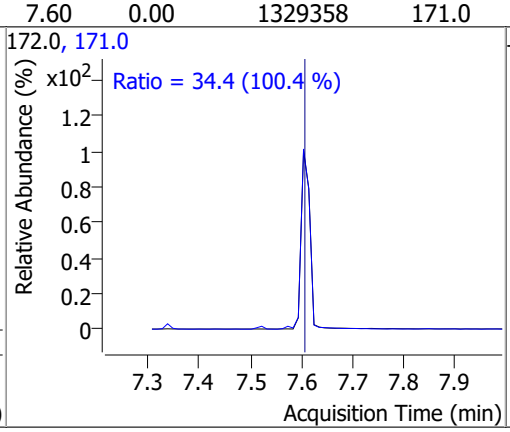


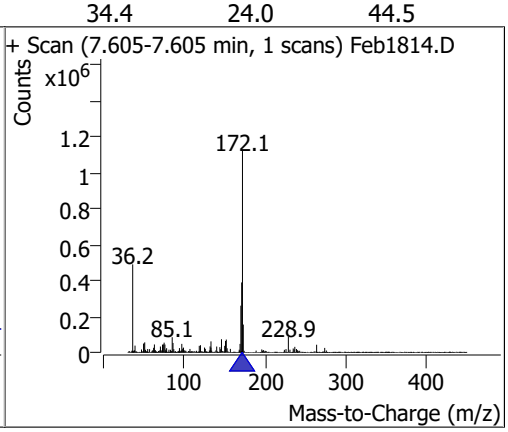




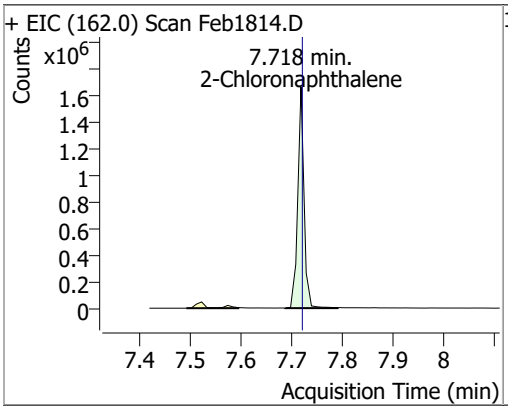
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	68.8547	7.60	0.00	1329358	171.0	34.4	24.0	44.5

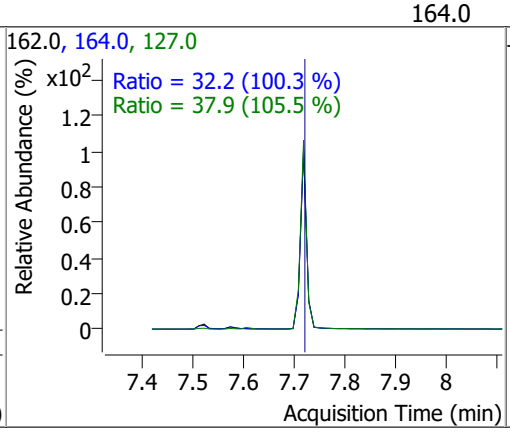


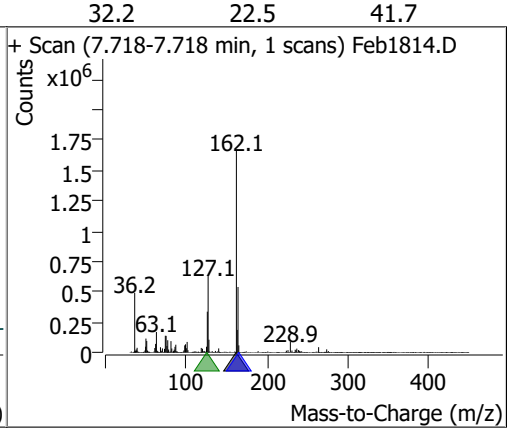




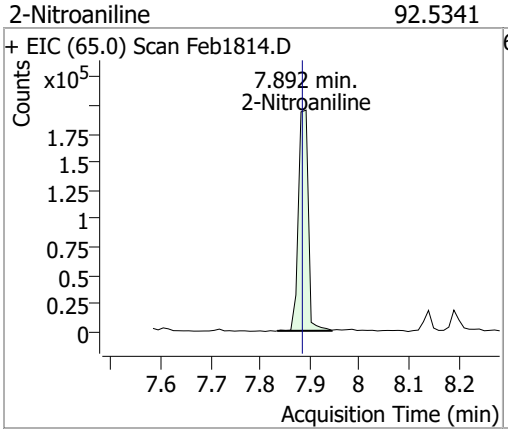
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	87.4924	7.72	0.00	1418958	127.0	37.9	25.1	46.7
					164.0	32.2	22.5	41.7

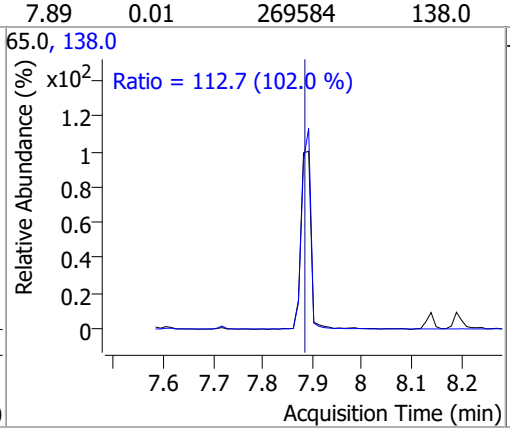


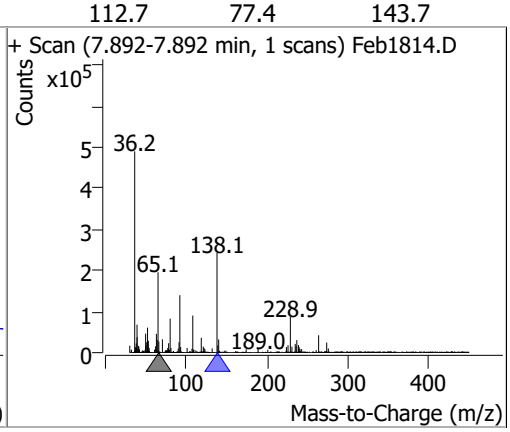




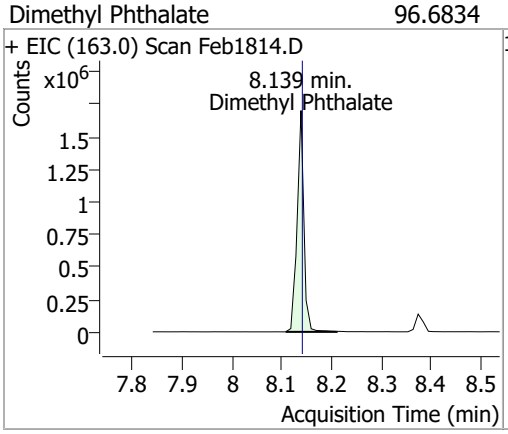
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	92.5341	7.89	0.01	269584	138.0	112.7	77.4	143.7

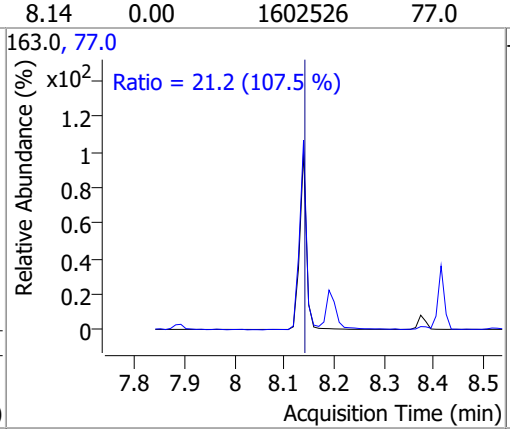


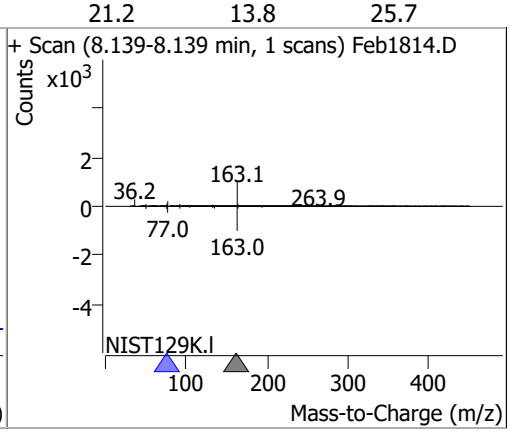




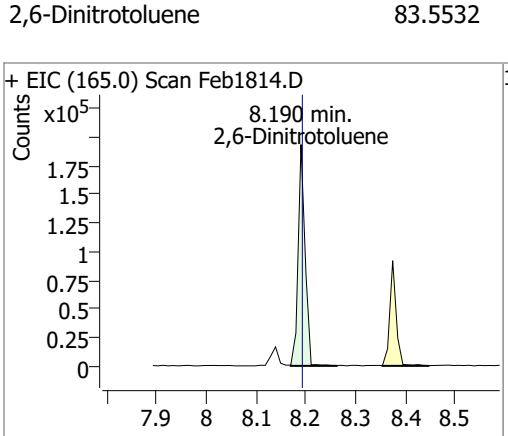
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	96.6834	8.14	0.00	1602526	77.0	21.2	13.8	25.7

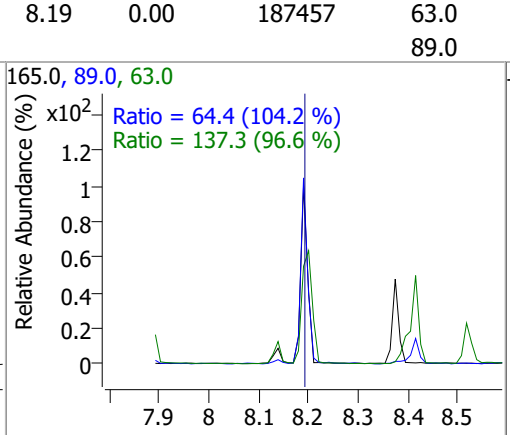


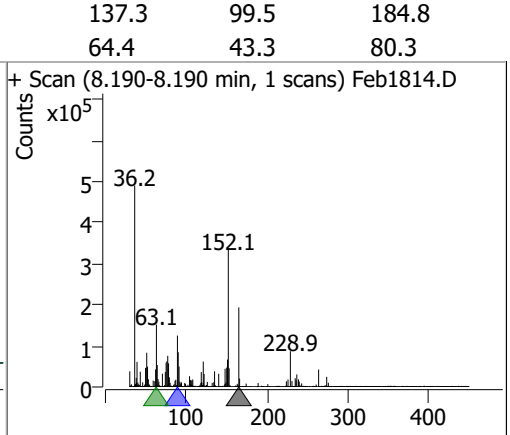




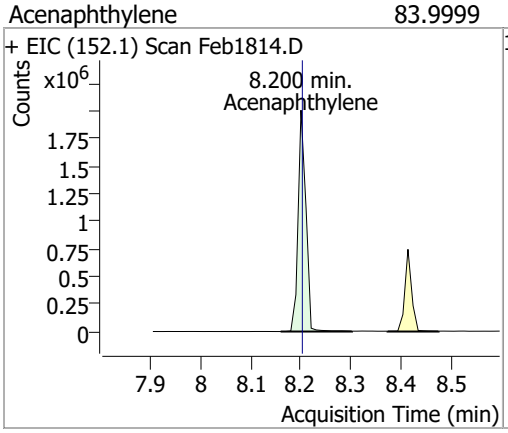
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	83.5532	8.19	0.00	187457	63.0	137.3	99.5	184.8
					89.0	64.4	43.3	80.3

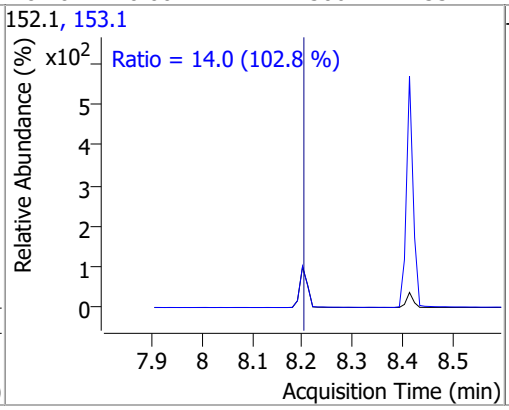


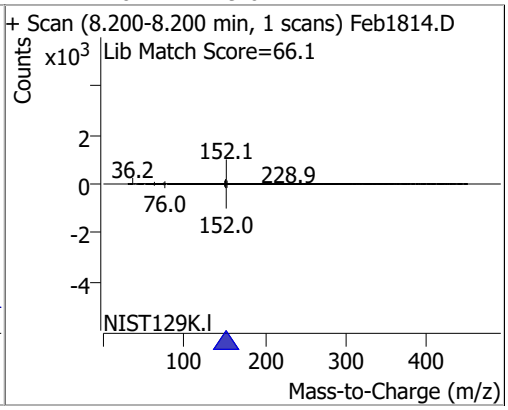




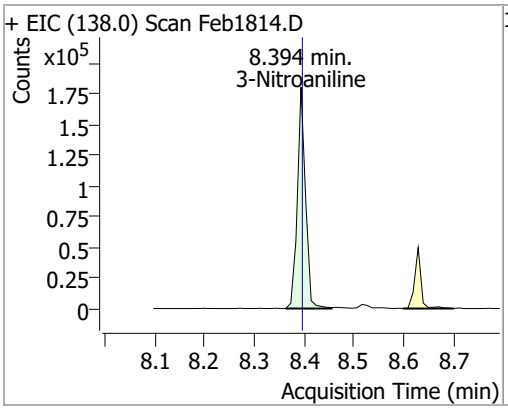
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	83.9999	8.20	0.00	2177506	153.1	14.0	9.6	17.7

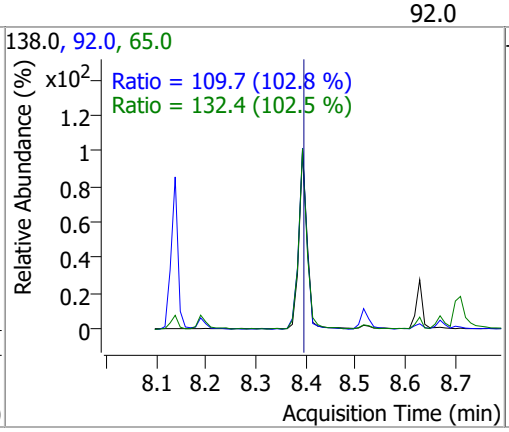


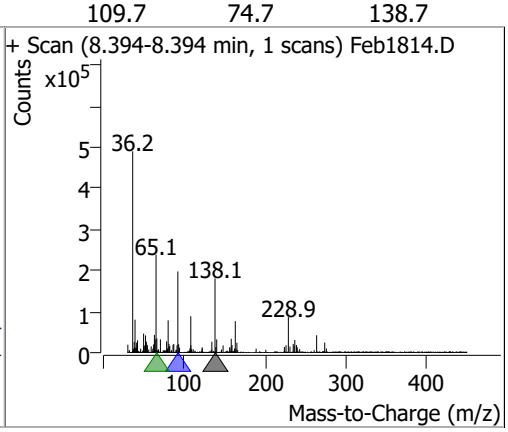




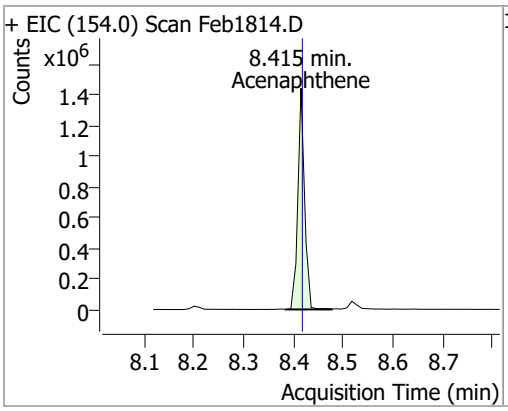
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	80.6483	8.39	0.00	205556	65.0	132.4	90.4	167.8
					92.0	109.7	74.7	138.7

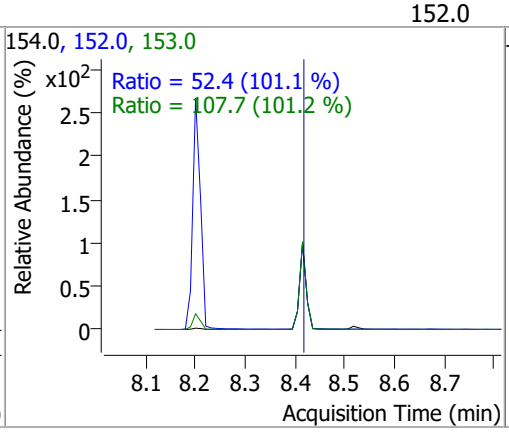


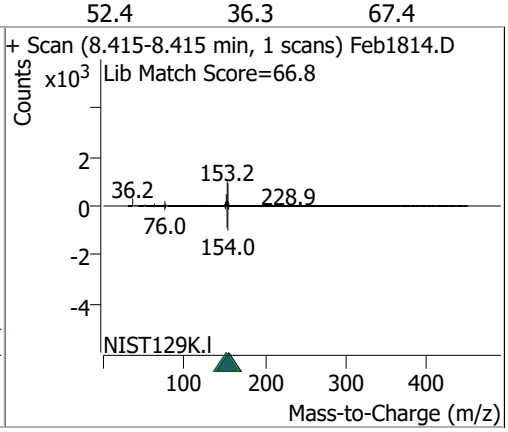




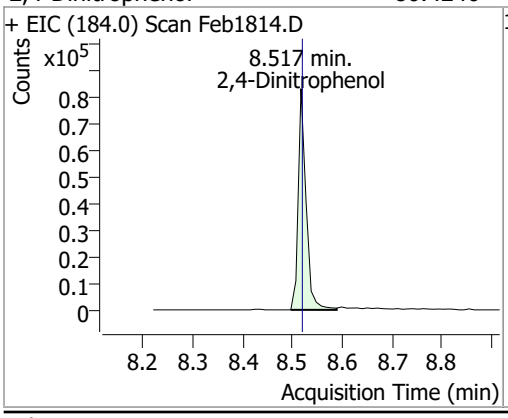
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	92.2475	8.41	0.00	1359092	153.0	107.7	74.5	138.4
					152.0	52.4	36.3	67.4

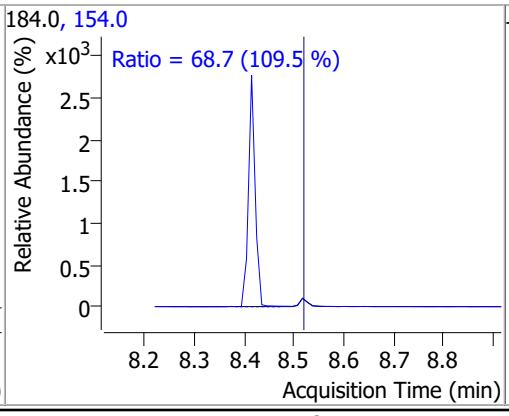


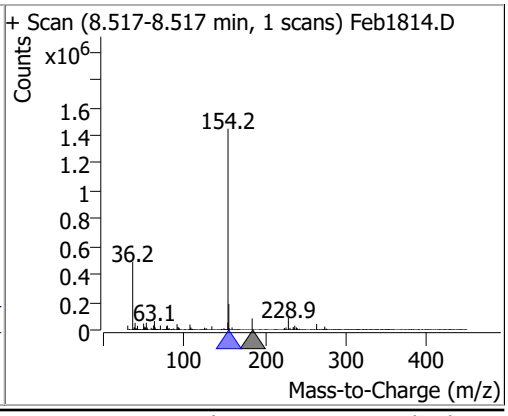




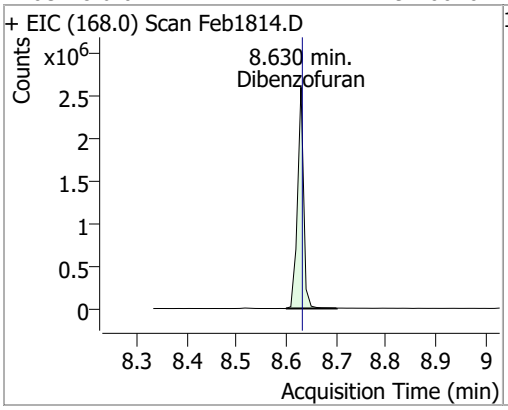
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	80.4246	8.52	0.00	91113	154.0	68.7	43.9	81.5

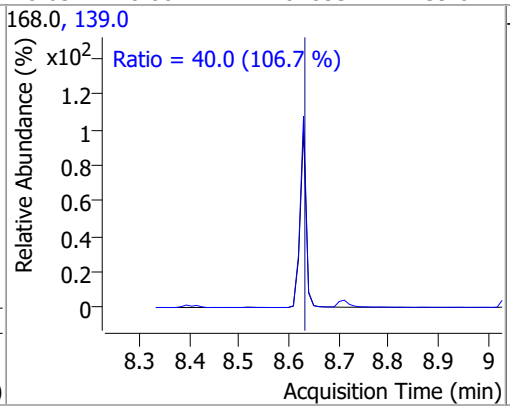


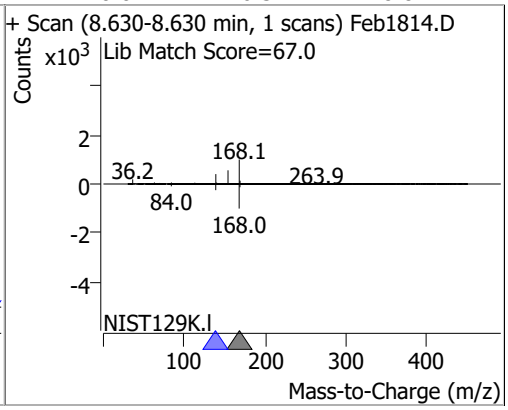




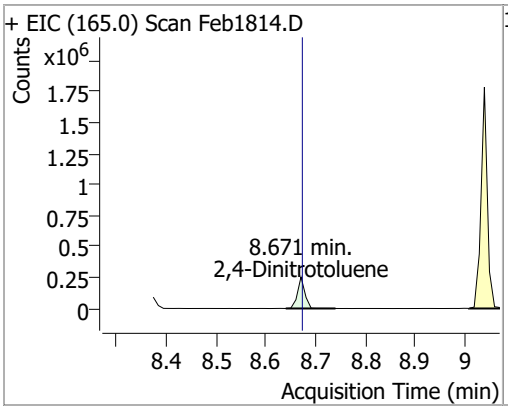
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	91.6616	8.63	0.00	2202853	139.0	40.0	26.3	48.8

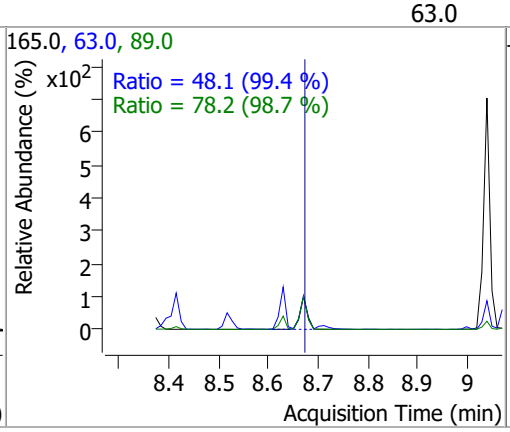


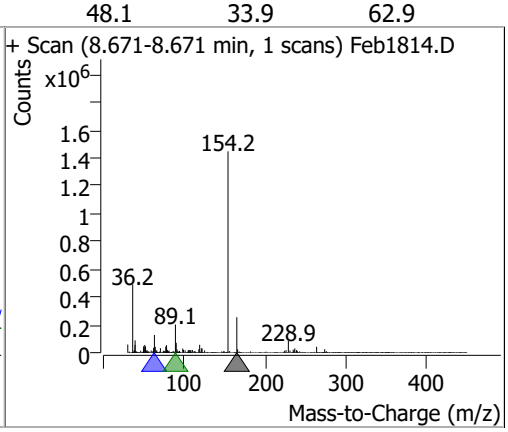




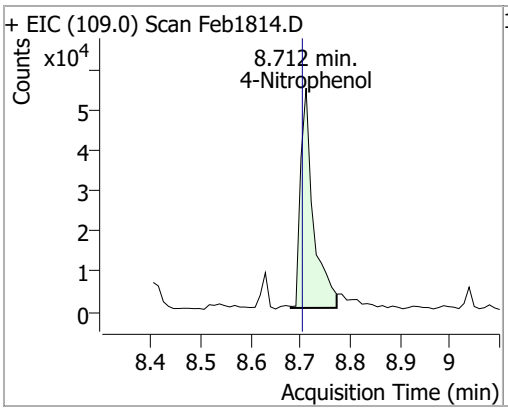
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	90.5214	8.67	0.00	258295	89.0	78.2	55.4	102.9
					63.0	48.1	33.9	62.9

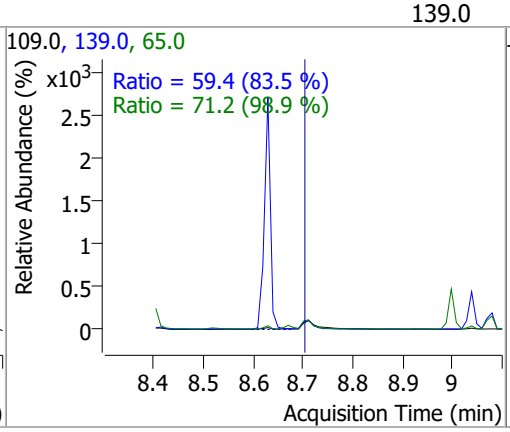


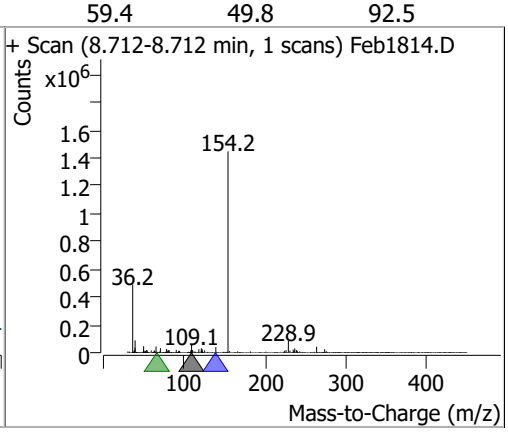




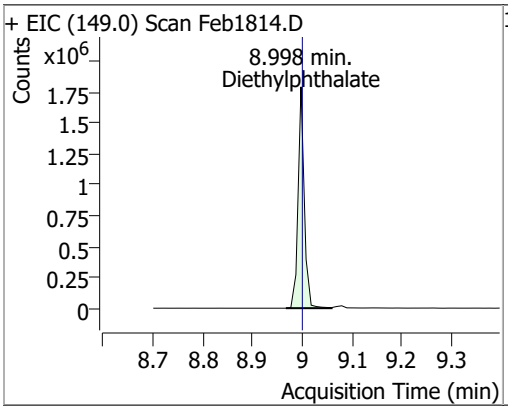
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	37.8509	8.71	0.01	96914	65.0	71.2	50.4	93.6
					139.0	59.4	49.8	92.5

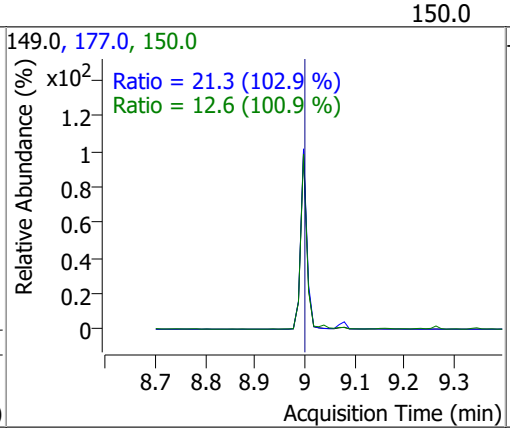


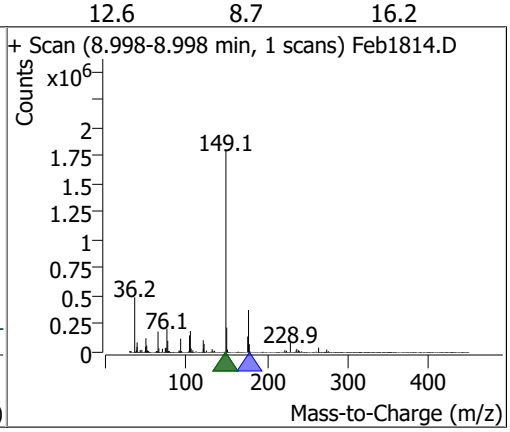




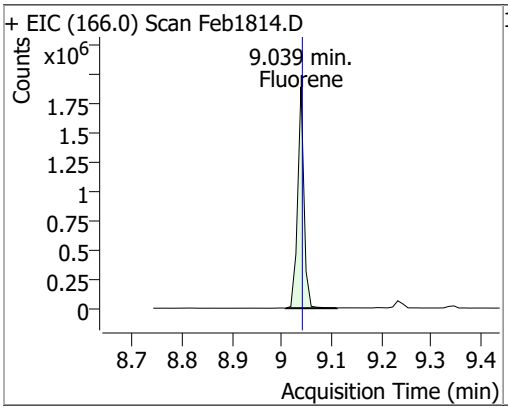
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	90.2565	9.00	0.00	1545601	177.0	21.3	14.5	27.0
					150.0	12.6	8.7	16.2

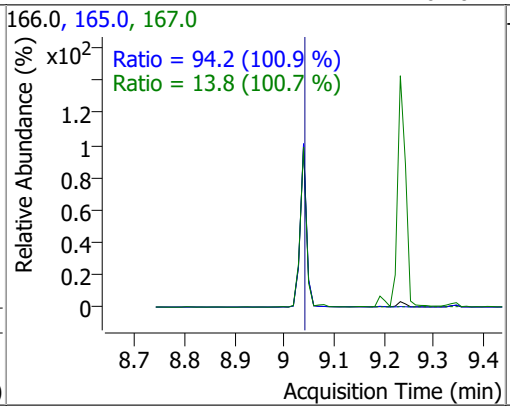


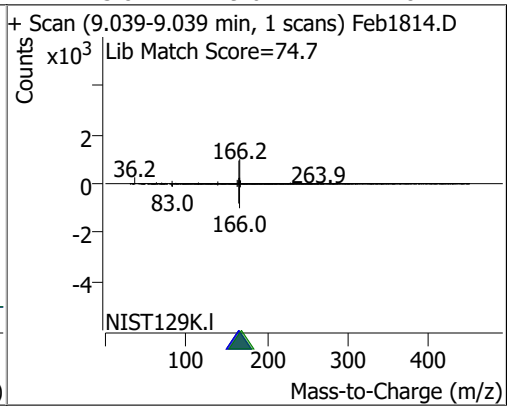




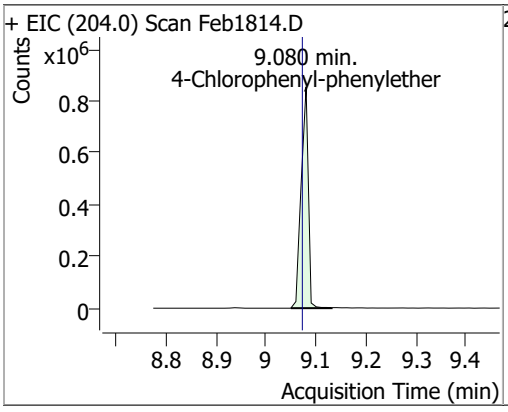
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	86.0688	9.04	0.00	1675369	165.0	94.2	65.4	121.4
					167.0	13.8	9.6	17.8

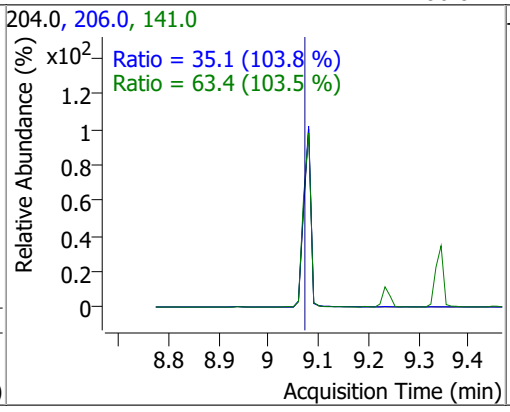


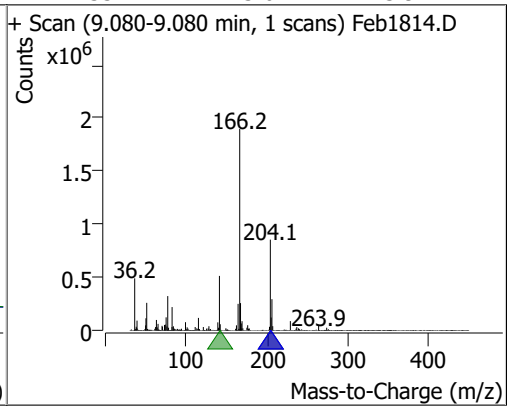




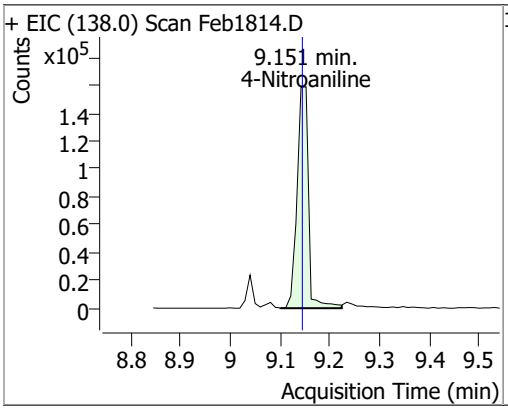
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	94.9428	9.08	0.01	840884	141.0	63.4	42.8	79.6
					206.0	35.1	23.6	43.9

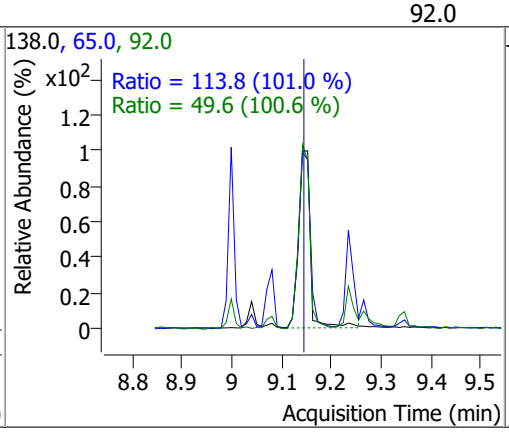


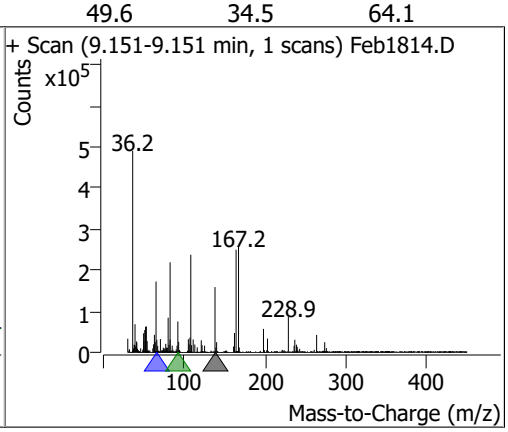




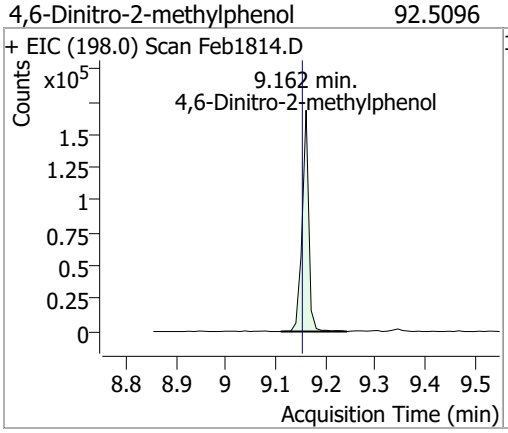
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	93.0200	9.15	0.01	253680	65.0	113.8	78.9	146.6
					92.0	49.6	34.5	64.1

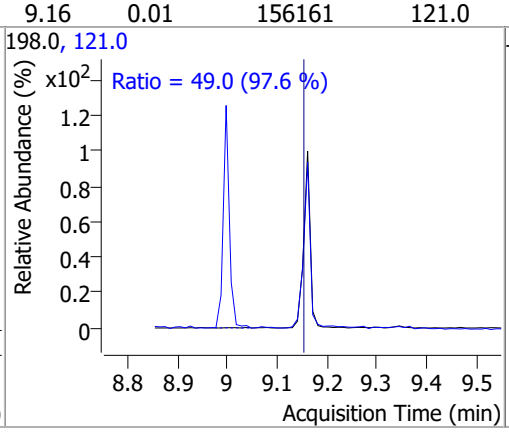


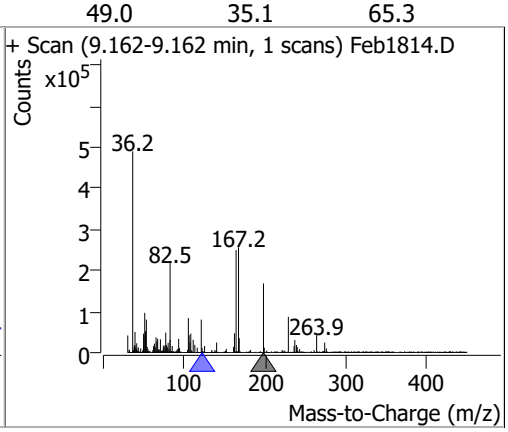




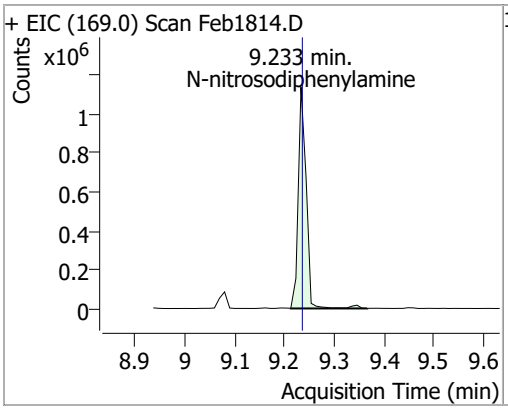
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	92.5096	9.16	0.01	156161	121.0	49.0	35.1	65.3

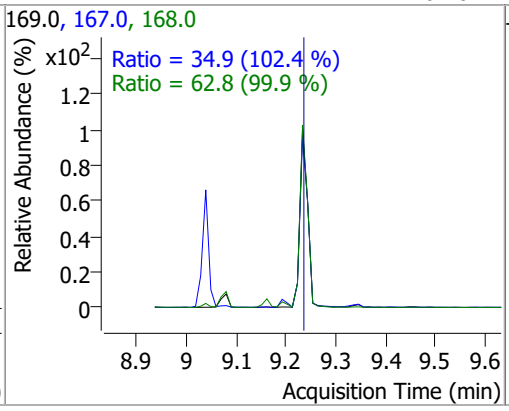


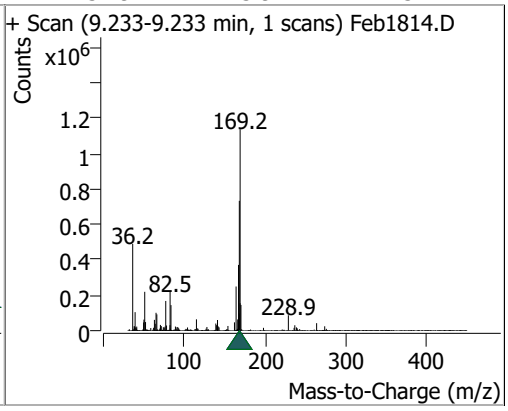




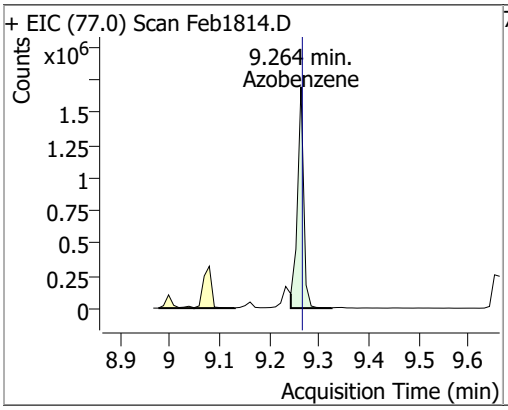
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	99.2895	9.23	0.00	1261362	168.0	62.8	44.0	81.7
					167.0	34.9	23.9	44.3

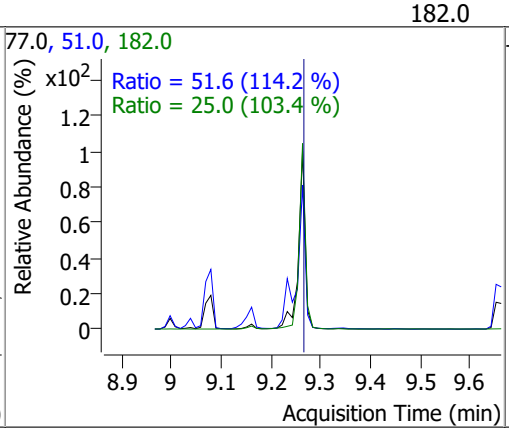


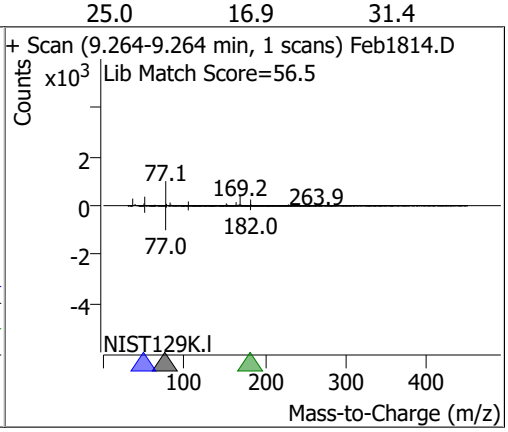




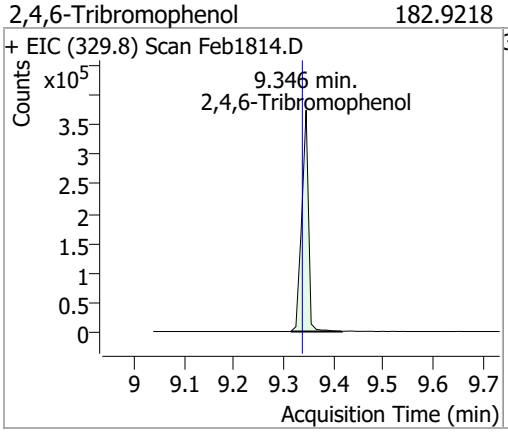
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	87.4325	9.26	0.00	1476102	51.0	51.6	31.6	58.7
					182.0	25.0	16.9	31.4

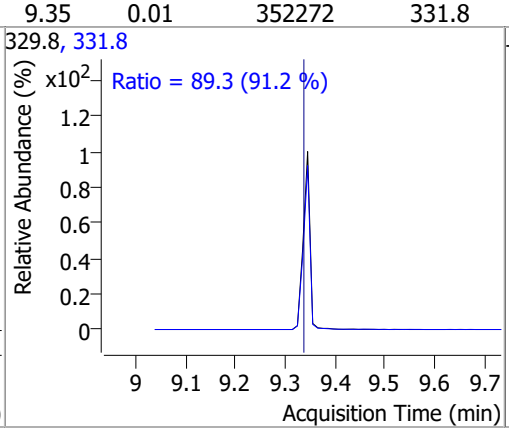


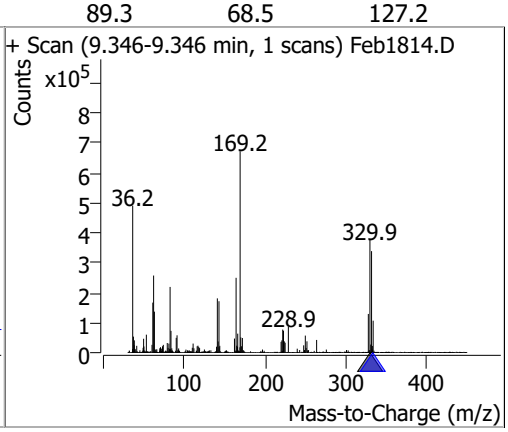




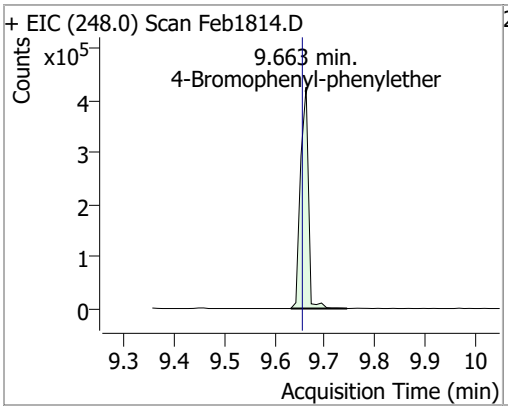
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	182.9218	9.35	0.01	352272	331.8	89.3	68.5	127.2

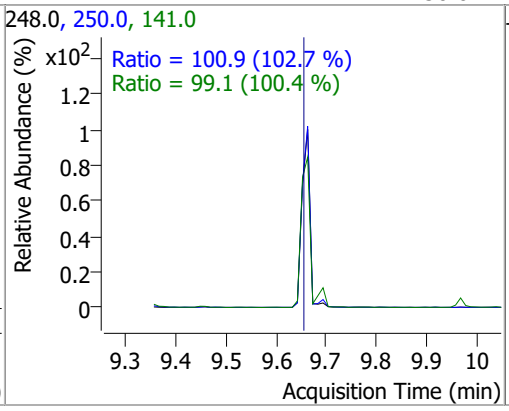


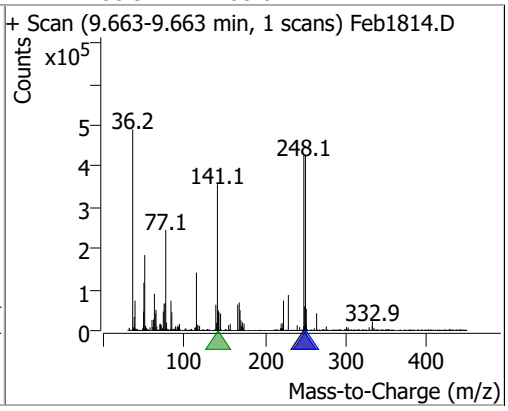




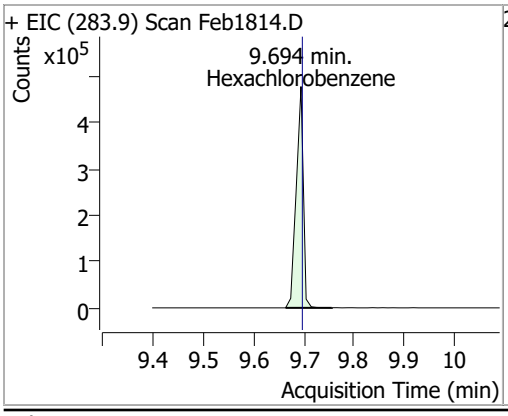
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	95.7030	9.66	0.01	467808	141.0	99.1	69.1	128.4
					250.0	100.9	68.8	127.7

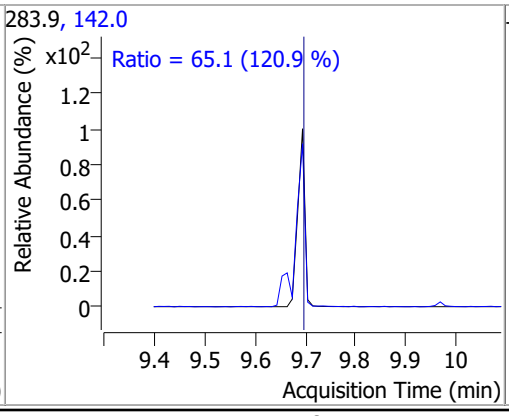


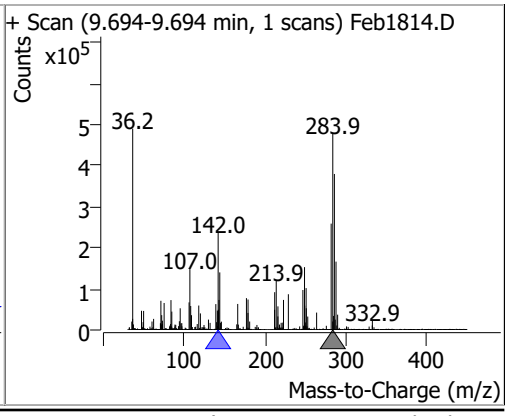




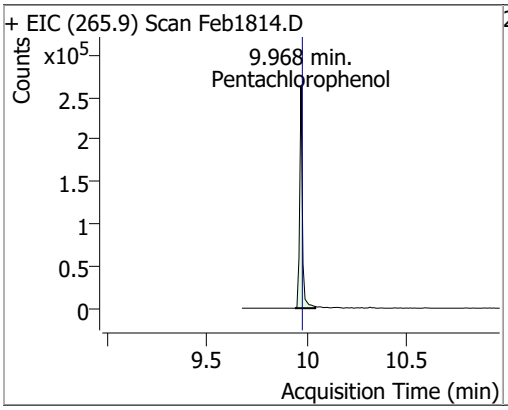
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	96.4221	9.69	0.00	468646	142.0	65.1	37.7	70.0

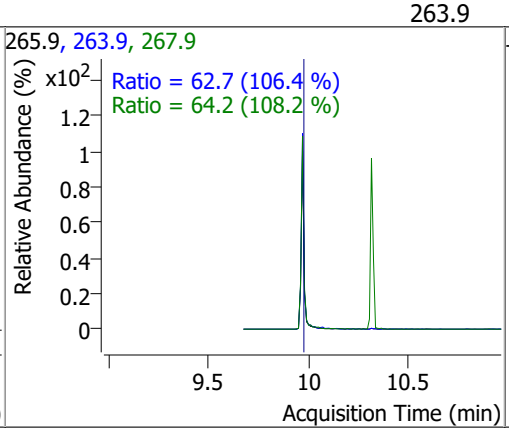


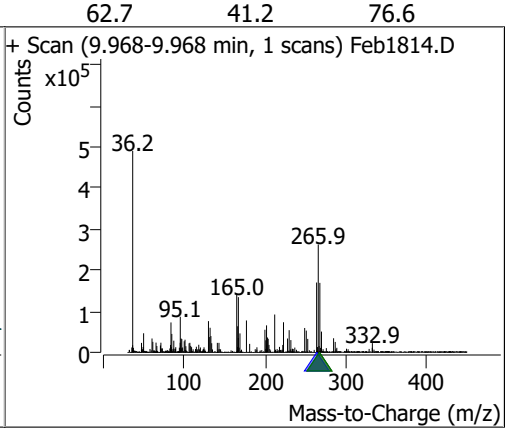




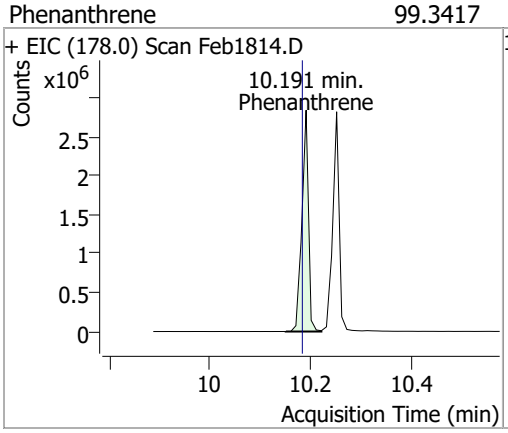
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	102.6887	9.97	0.00	246256	267.9	64.2	41.5	77.2
					263.9	62.7	41.2	76.6

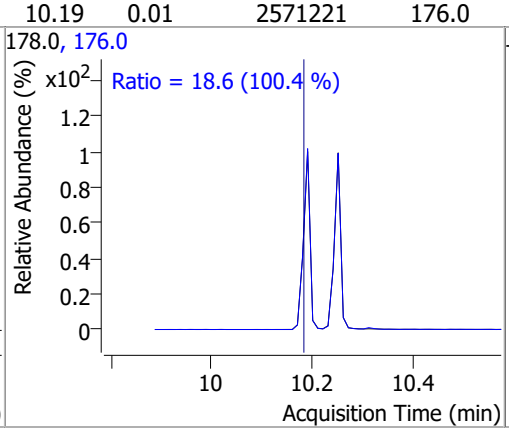


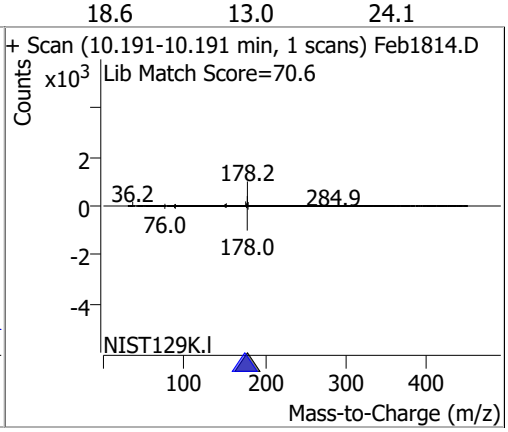




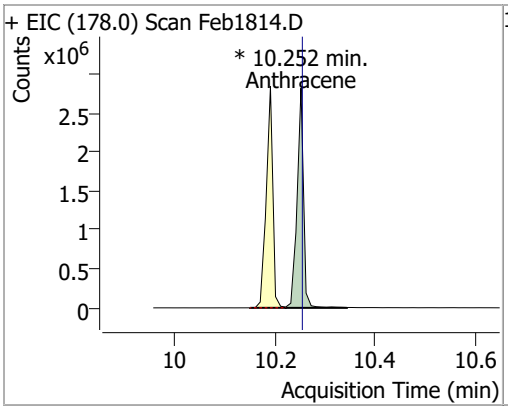
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	99.3417	10.19	0.01	2571221	176.0	18.6	13.0	24.1

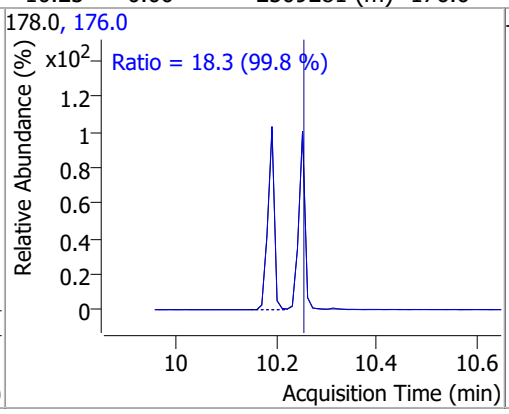


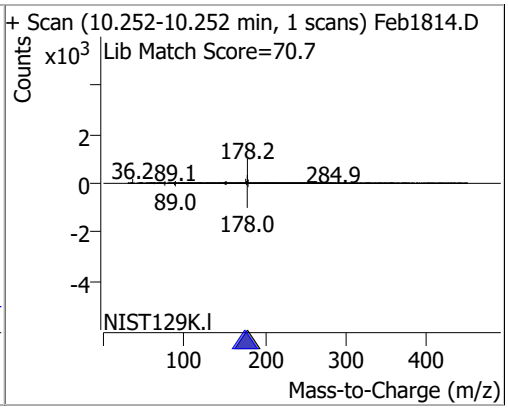




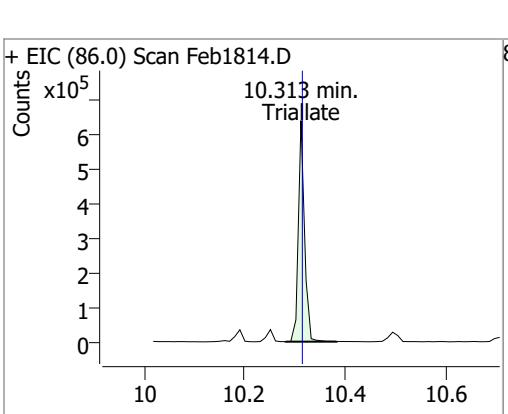
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	101.1685	10.25	0.00	2509281 (m)	176.0	18.3	12.9	23.9

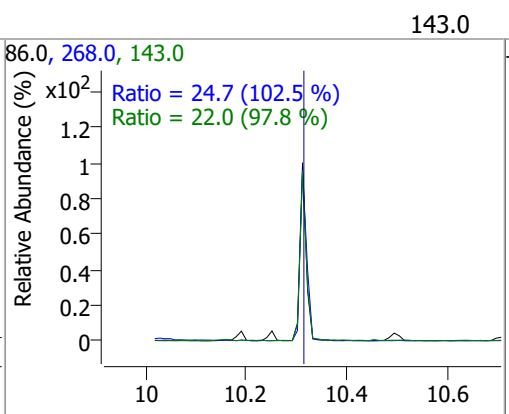


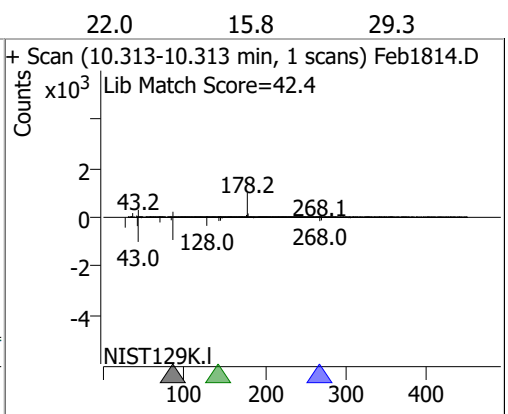




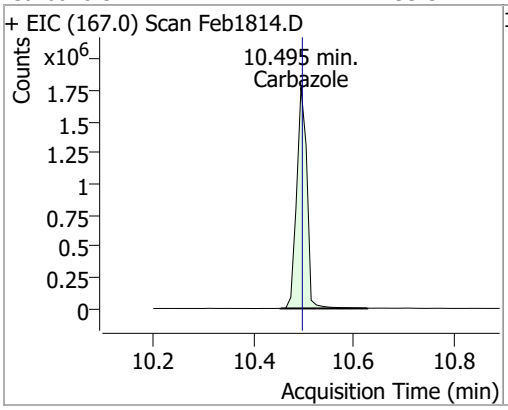
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	91.0470	10.31	0.00	548502	268.0	24.7	16.9	31.4
					143.0	22.0	15.8	29.3

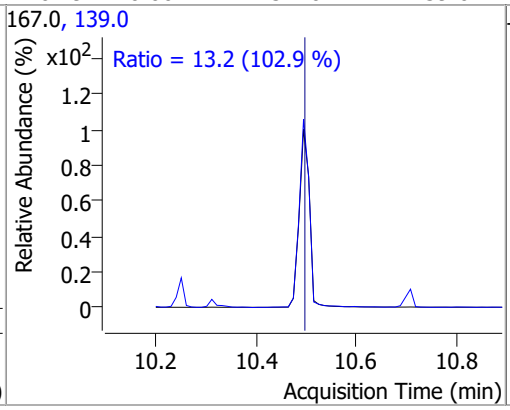


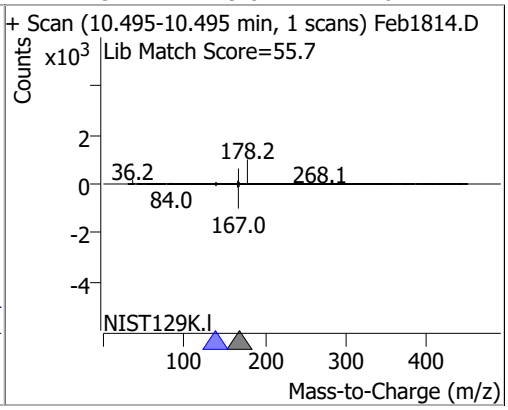




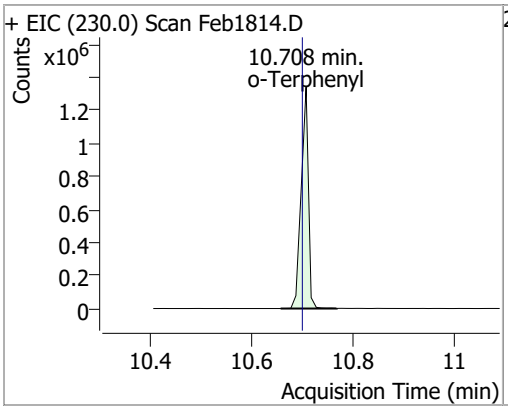
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	99.9442	10.49	0.00	2522042	139.0	13.2	9.0	16.7

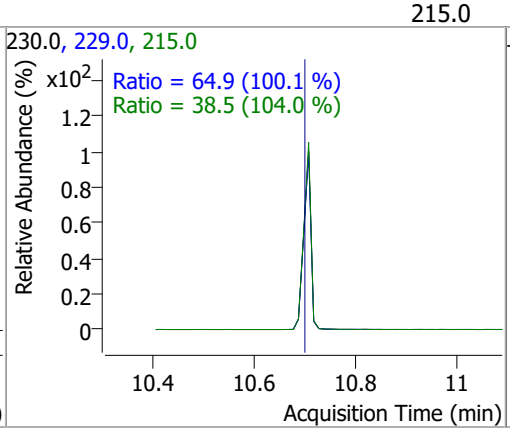


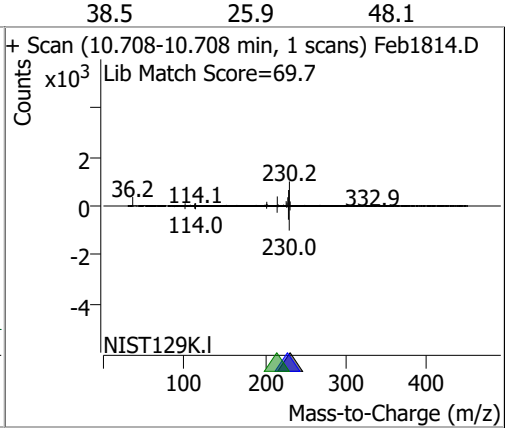




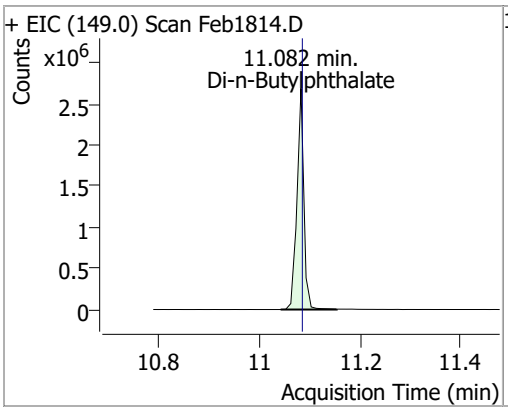
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	96.4666	10.71	0.01	1339598	229.0	64.9	45.4	84.3
					215.0	38.5	25.9	48.1

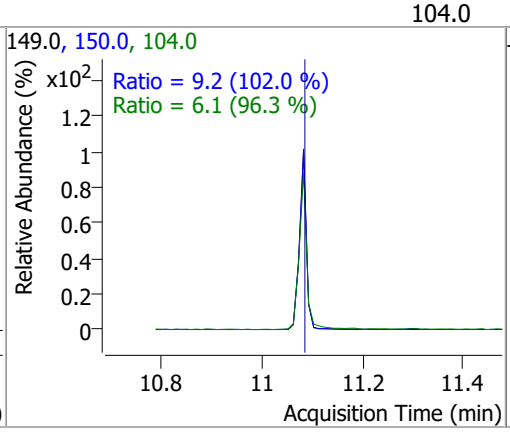


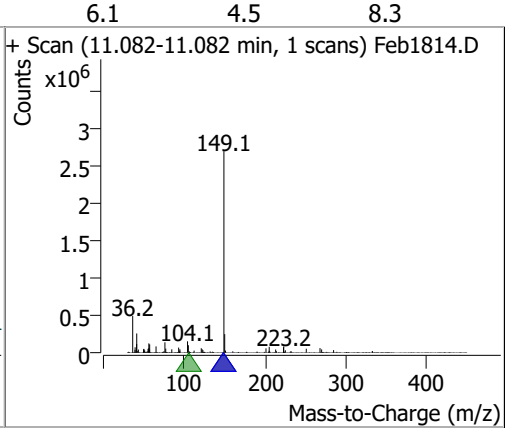




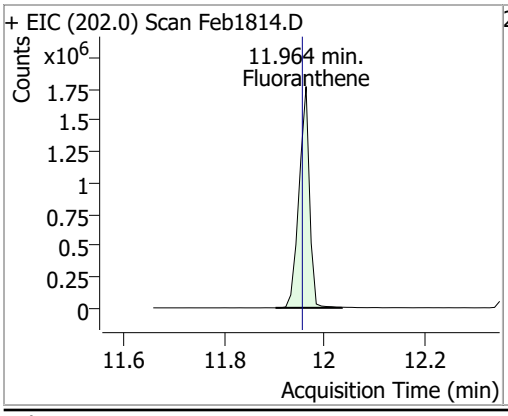
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	102.8703	11.08	0.00	2563247	150.0	9.2	6.3	11.8
					104.0	6.1	4.5	8.3

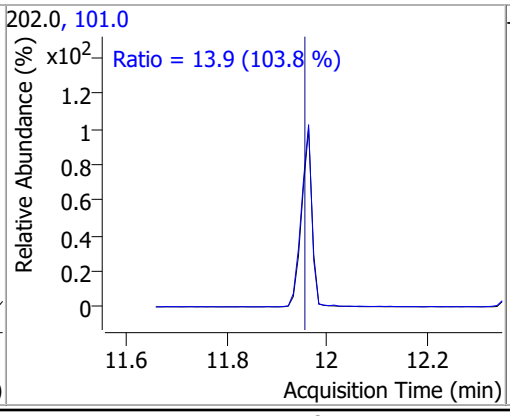


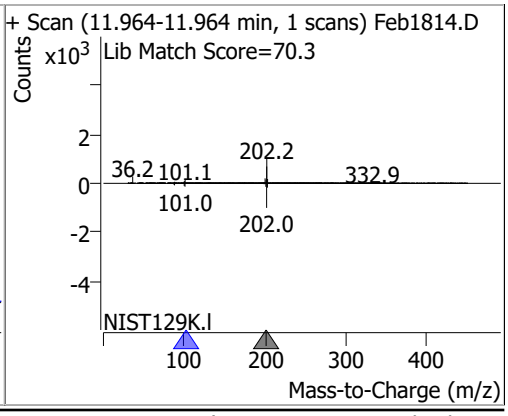




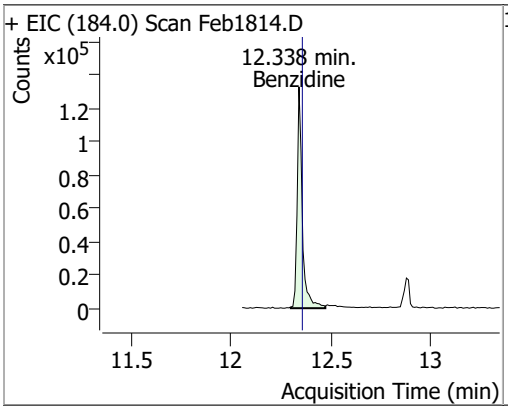
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	96.5770	11.96	0.01	2547135	101.0	13.9	9.4	17.4

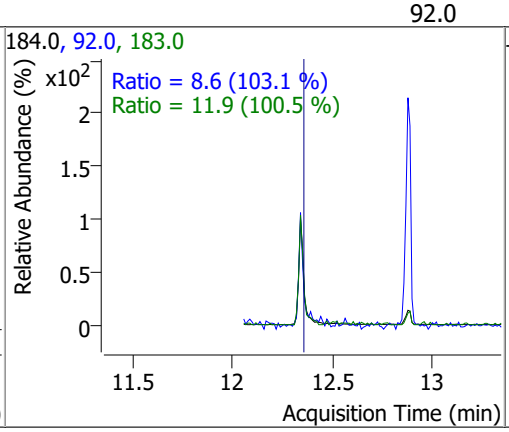


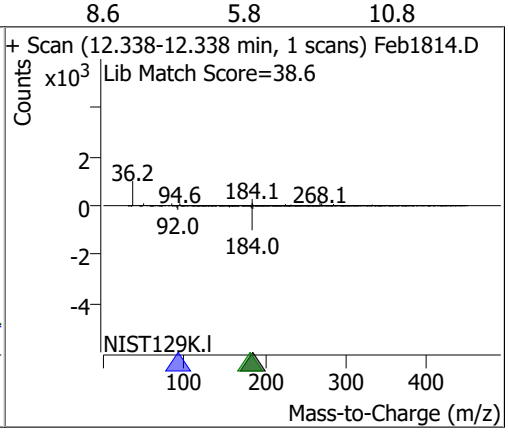




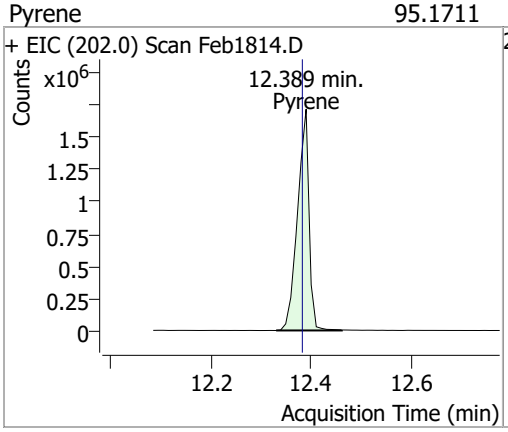
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	24.4583	12.34	-0.01	234871	183.0	11.9	8.3	15.4
					92.0	8.6	5.8	10.8

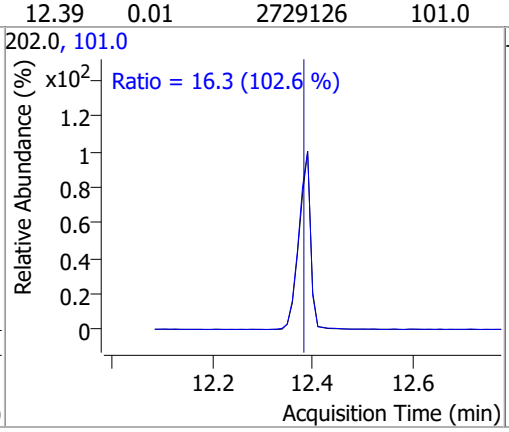


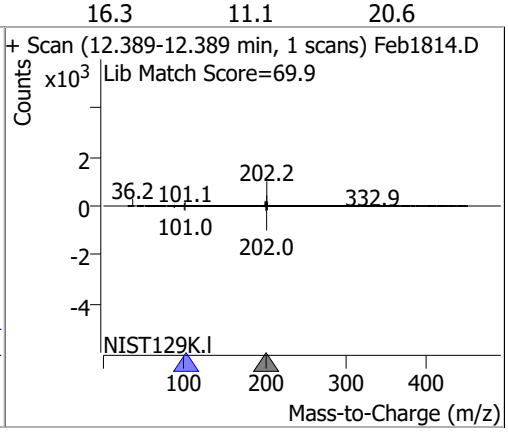




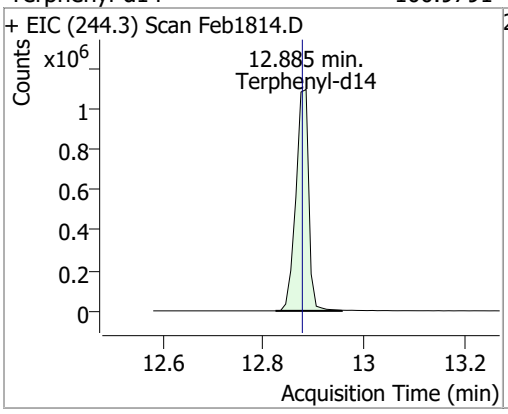
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	95.1711	12.39	0.01	2729126	101.0	16.3	11.1	20.6

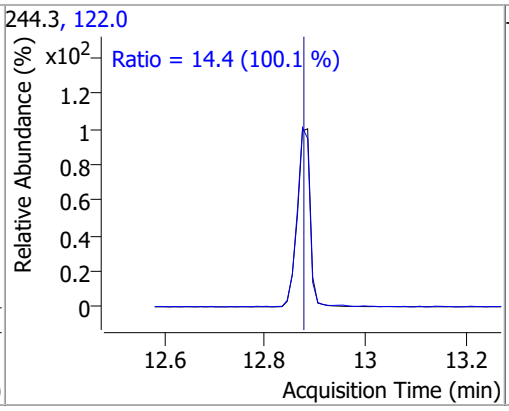


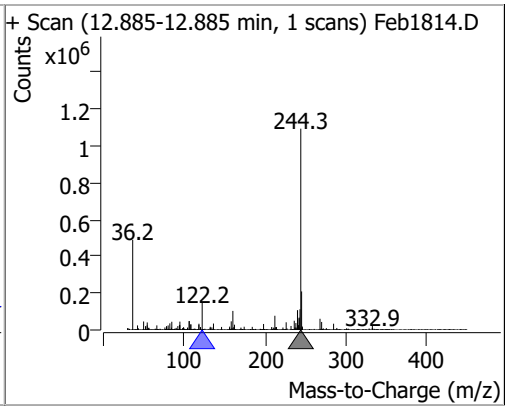




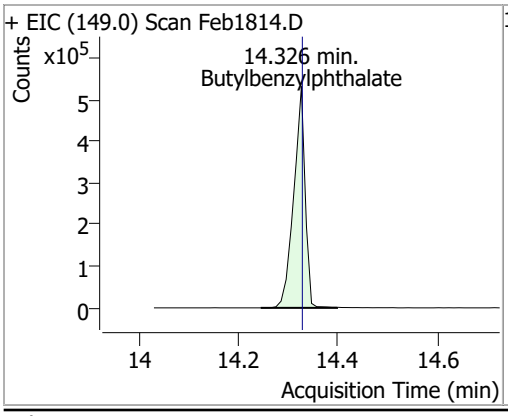
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	100.9791	12.89	0.01	1952631	122.0	14.4	10.1	18.7

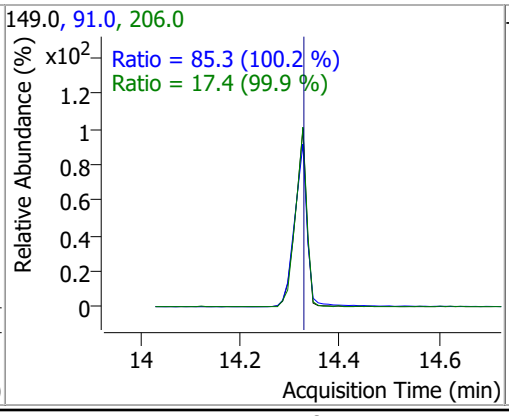


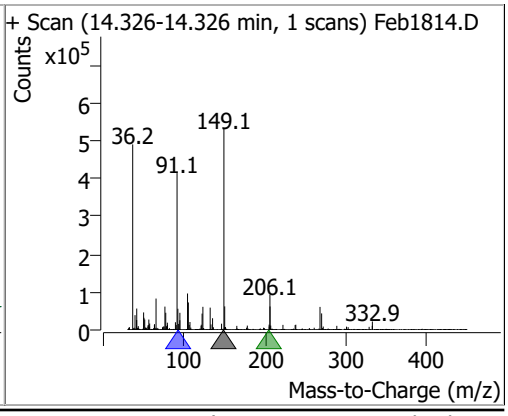




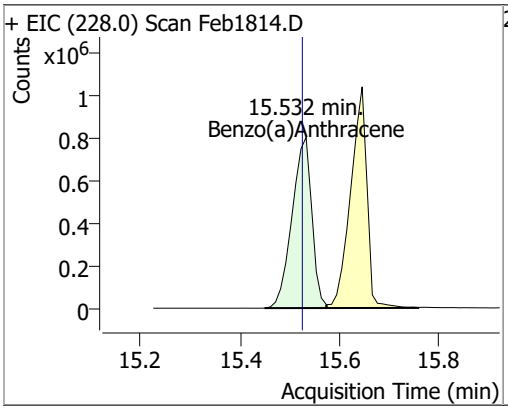
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	95.5621	14.33	0.01	847978	91.0	85.3	59.6	110.6
					206.0	17.4	12.2	22.7

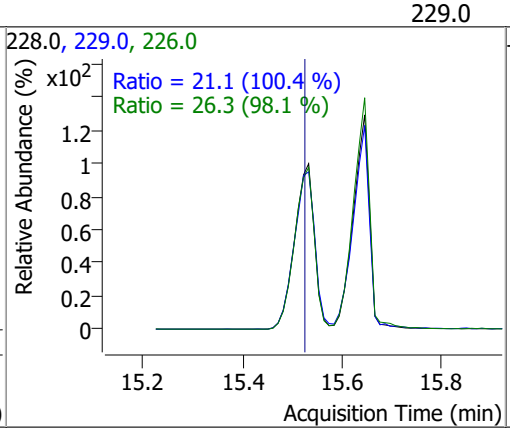


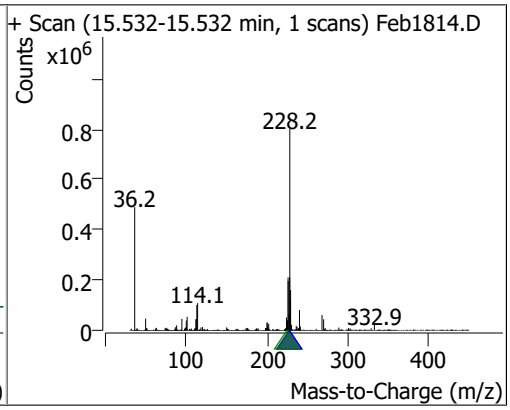




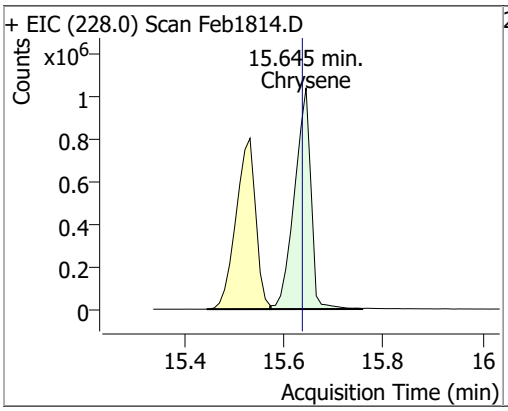
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	98.2422	15.53	0.02	2194895	226.0	26.3	18.8	34.9
					229.0	21.1	14.7	27.4

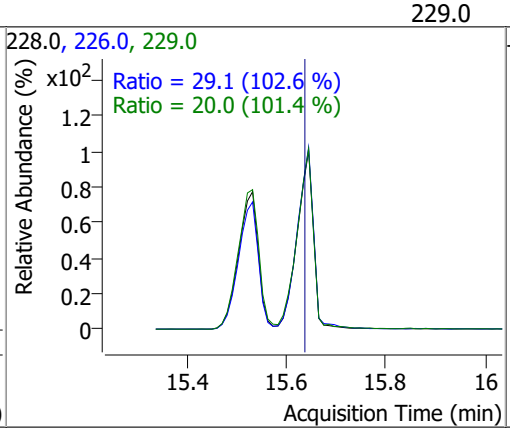


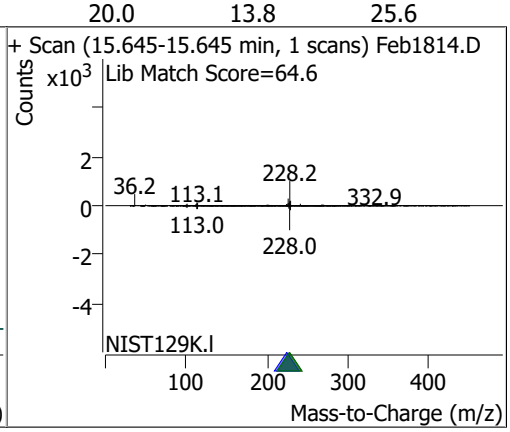




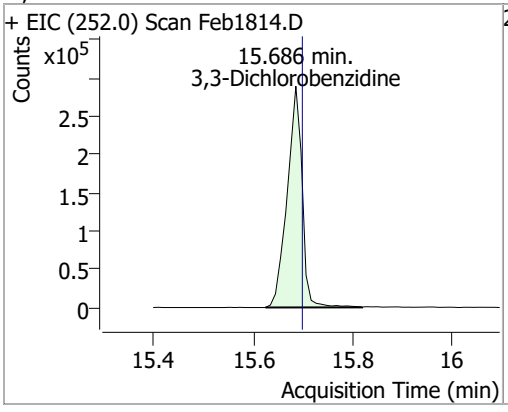
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	95.2611	15.64	0.02	2365548	226.0	29.1	19.9	36.9
					229.0	20.0	13.8	25.6

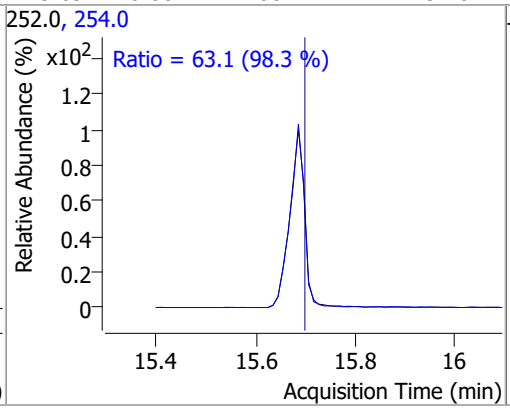


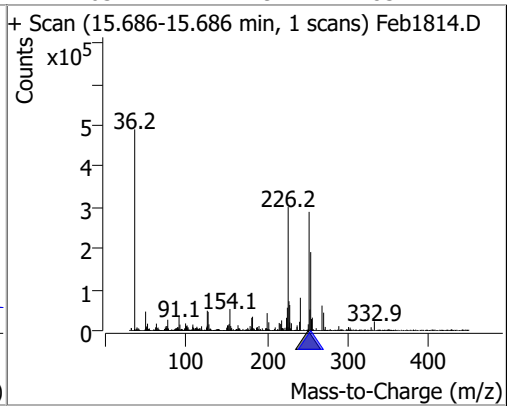




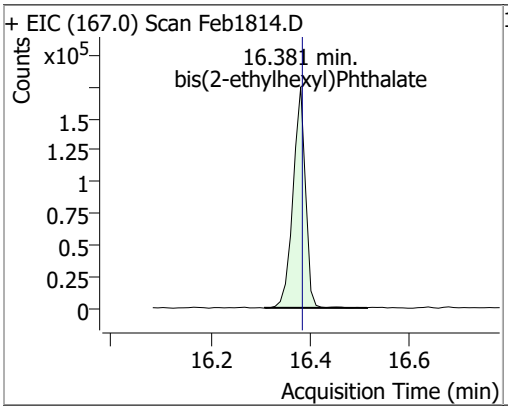
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	76.4062	15.69	0.00	601724	254.0	63.1	44.9	83.4

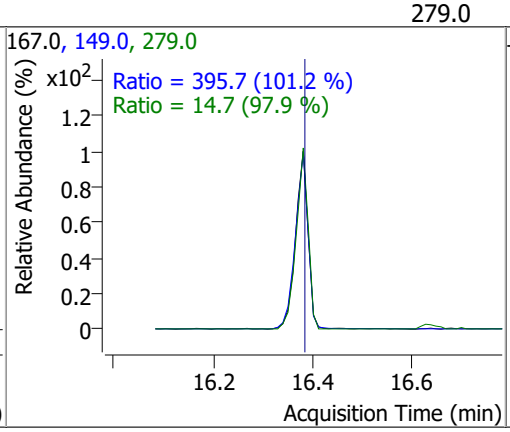


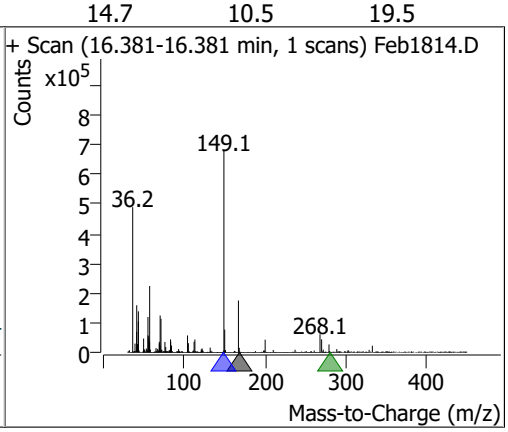




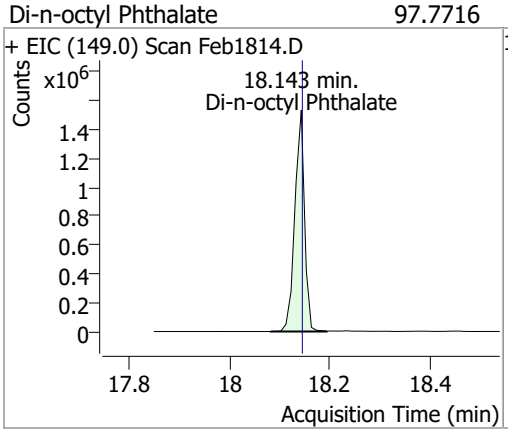
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	97.8966	16.38	0.01	302100	149.0	395.7	273.6	508.0
					279.0	14.7	10.5	19.5

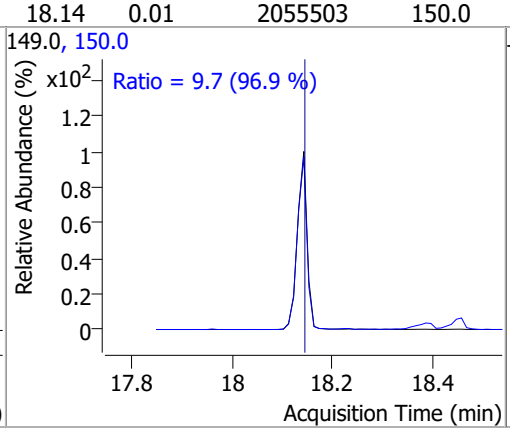


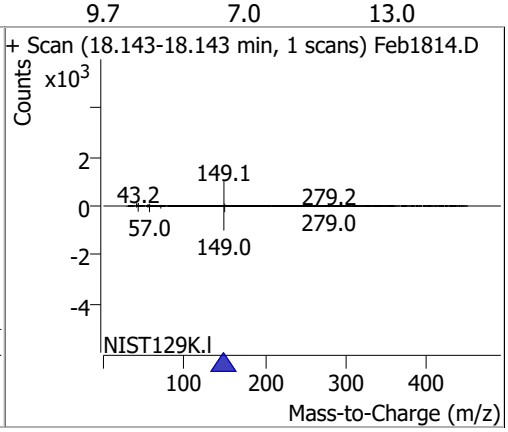




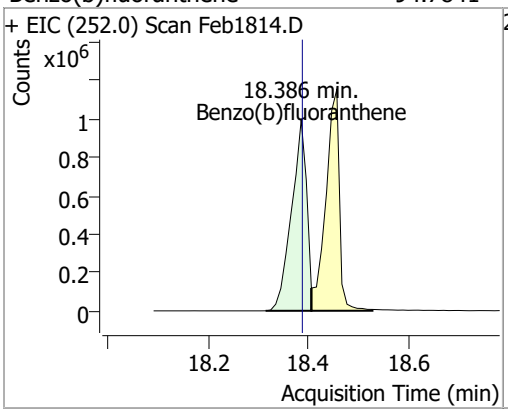
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	97.7716	18.14	0.01	2055503	150.0	9.7	7.0	13.0

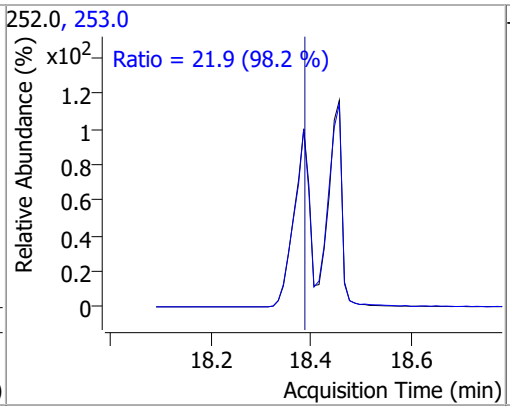


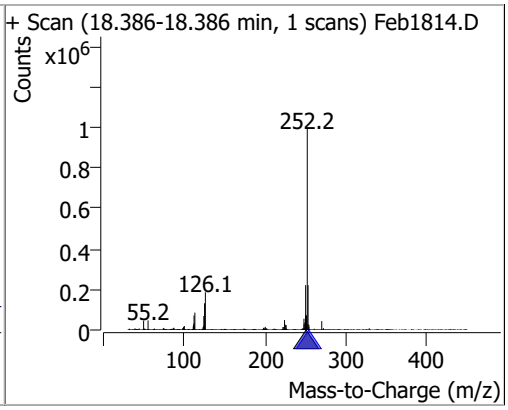




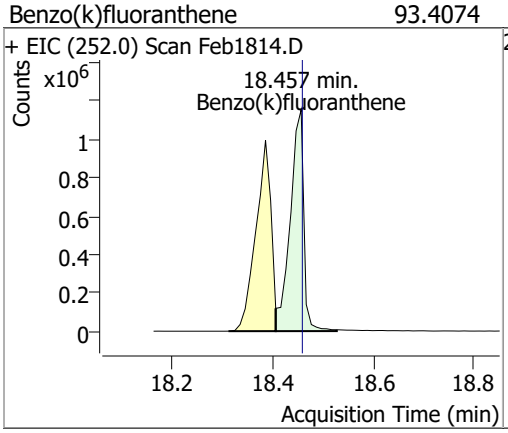
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	94.7841	18.39	0.01	2066351	253.0	21.9	15.6	29.0

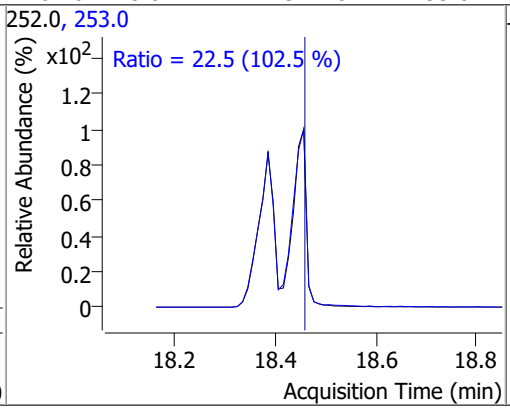


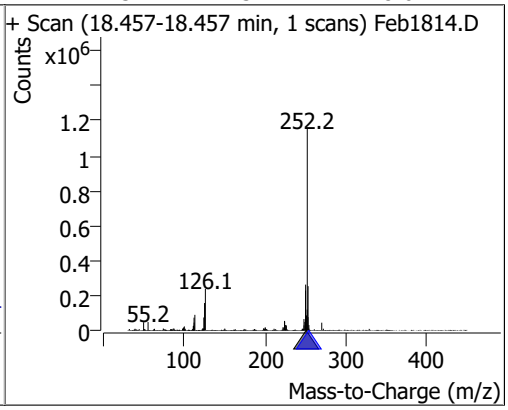




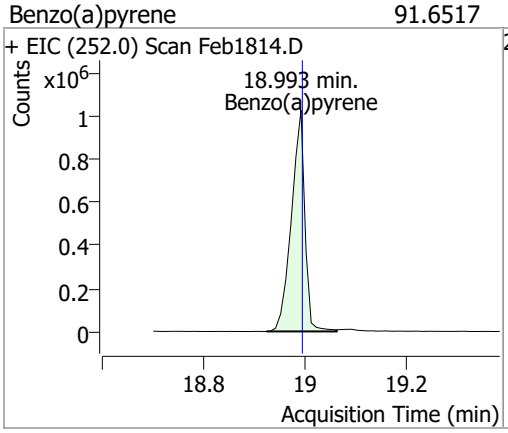
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	93.4074	18.46	0.01	2157428	253.0	22.5	15.4	28.6

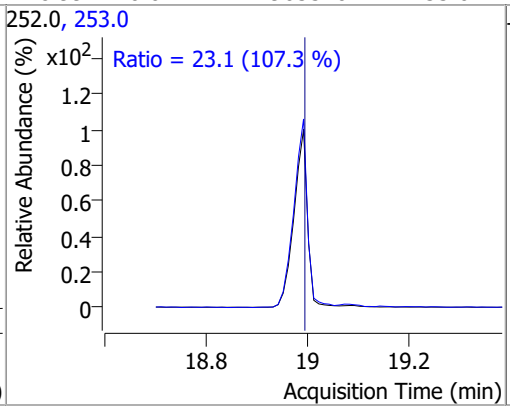


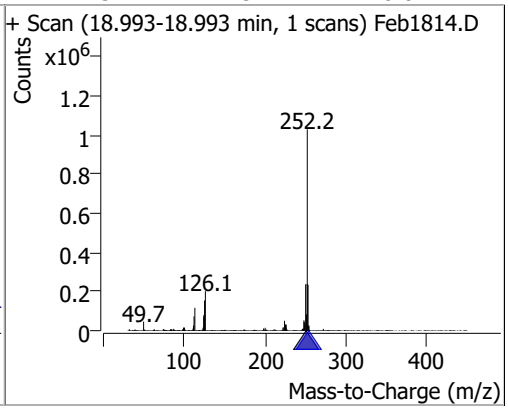




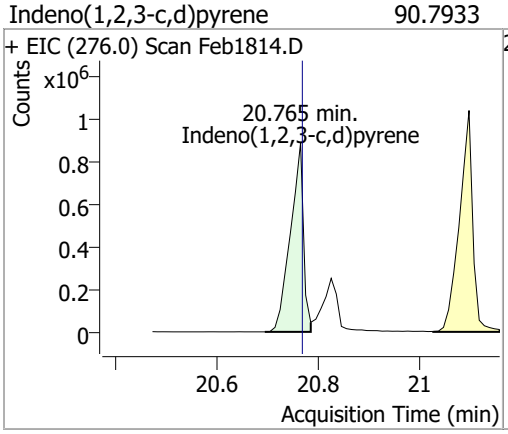
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	91.6517	18.99	0.01	1905570	253.0	23.1	15.1	28.0

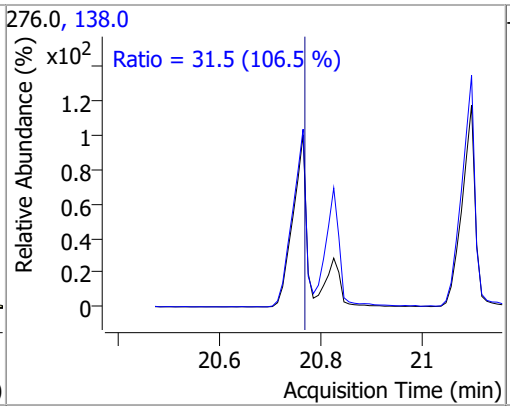


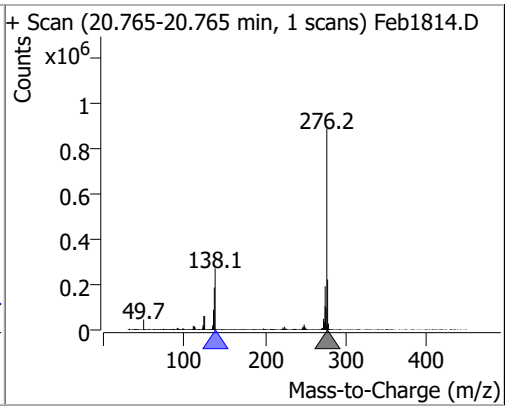




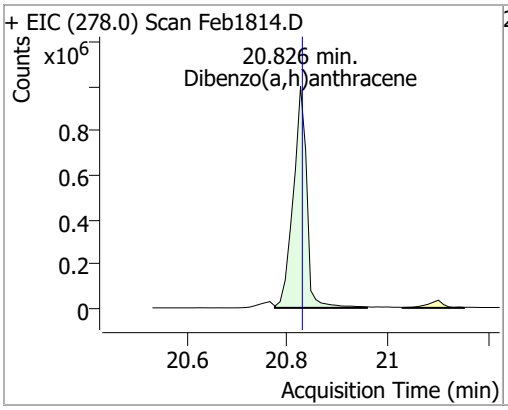
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	90.7933	20.77	0.01	1582783	138.0	31.5	20.7	38.5

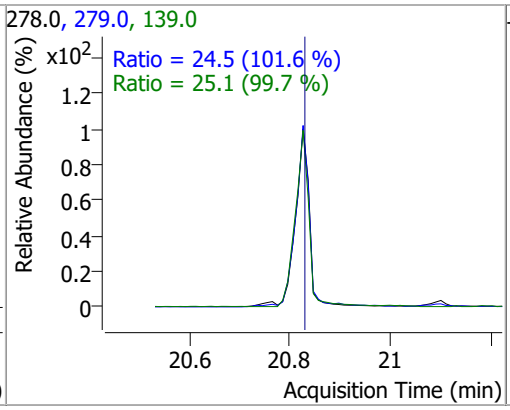


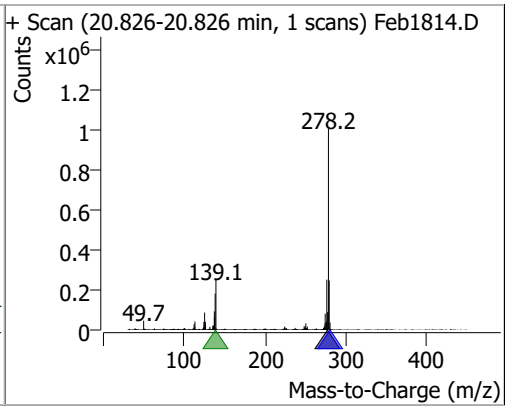




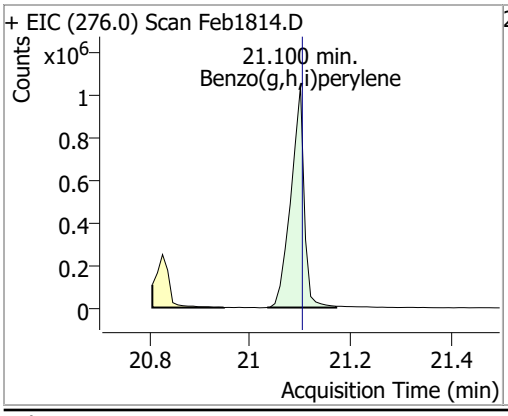
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	98.3235	20.83	0.01	1868827	139.0	25.1	17.6	32.7
					279.0	24.5	16.9	31.3

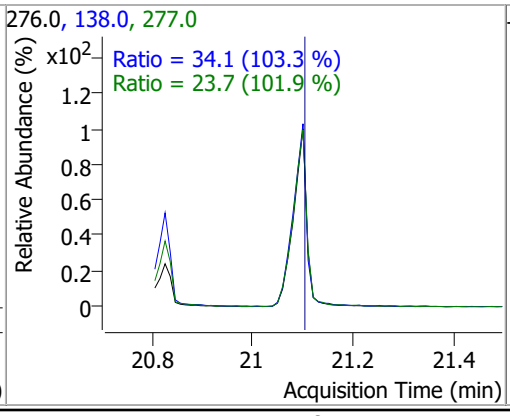


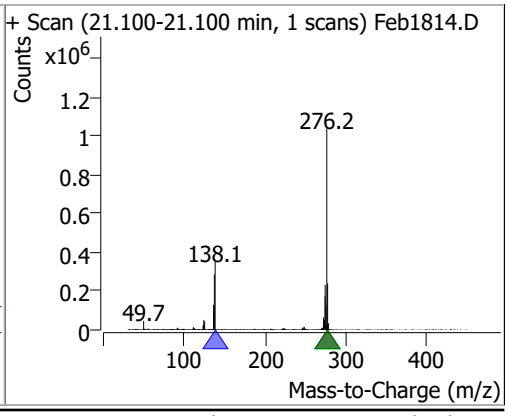




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	94.2176	21.10	0.01	1894237	138.0	34.1	23.1	42.9
					277.0	23.7	16.3	30.2

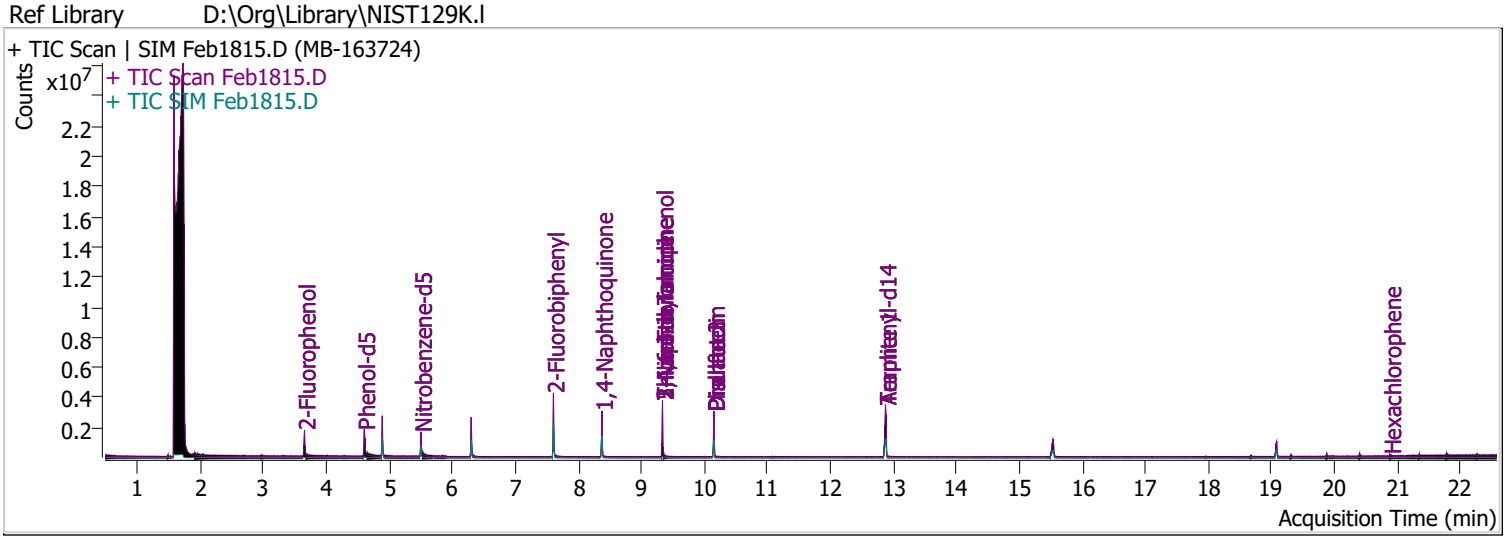






Quantitation Results Report (QT Reviewed)

Data File	Feb1815.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 3:33:22 PM
Sample Name	MB-163724	Instrument	Instrument #1
Vial	15	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



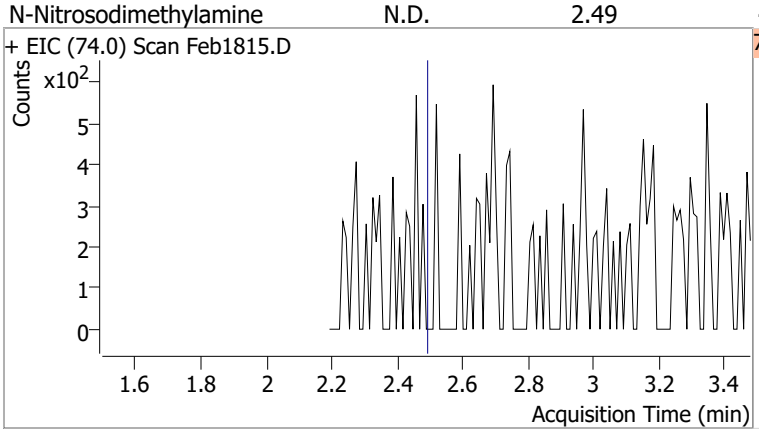
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	609667	64.6773	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 32.34%			
S Phenol-d5	4.603	99.0	778814	63.6930	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 31.85%			
S Nitrobenzene-d5	5.502	82.0	418262	61.8257	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 61.83%			
S 2-Fluorobiphenyl	7.605	172.0	1277952	66.7563	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 66.76%			
S 2,4,6-Tribromophenol	9.336	329.8	279834	160.5017	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 80.25%			
S Terphenyl-d14	12.875	244.3	2007009	109.6928	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 109.69%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.			
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

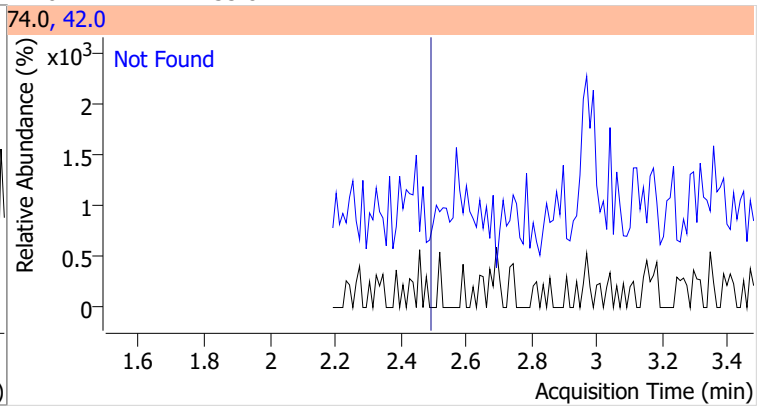
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	6.301	130.0	0		µg/L	md	1
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

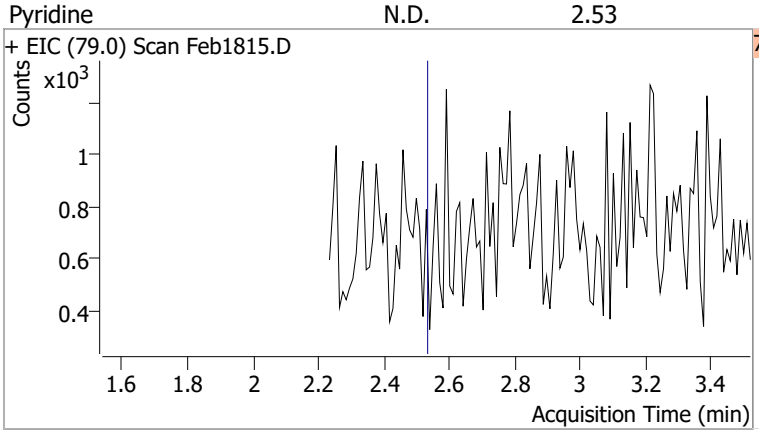
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

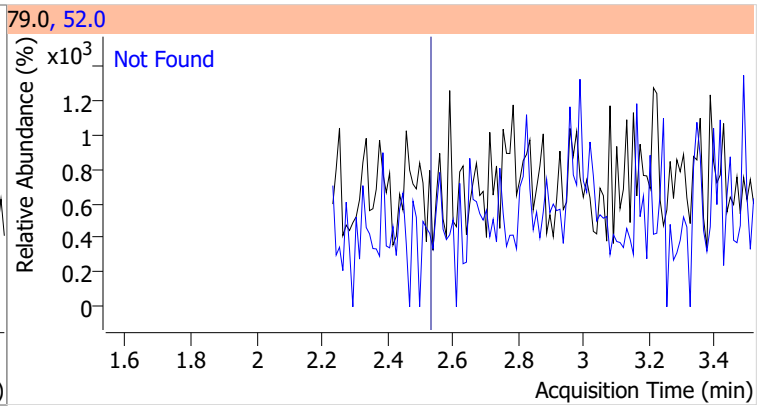
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



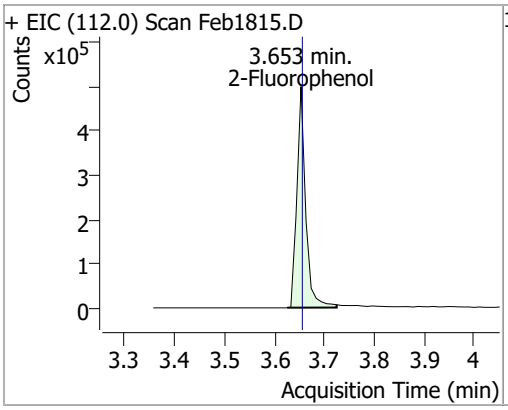


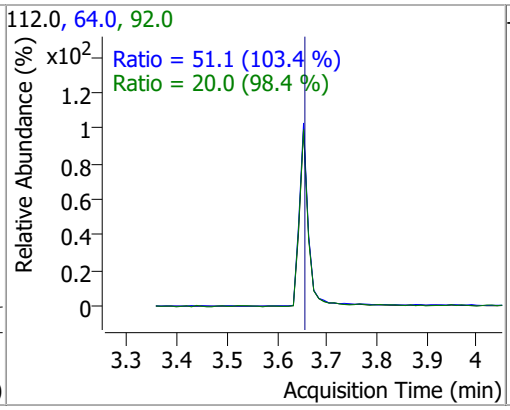
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

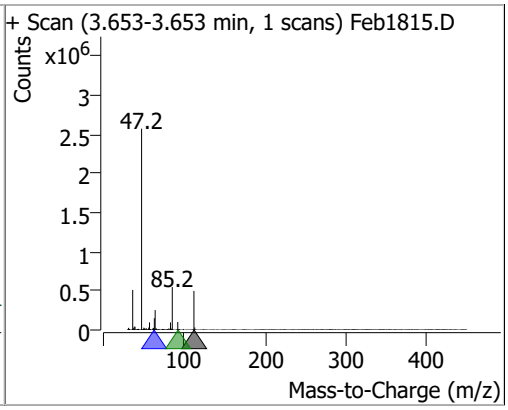




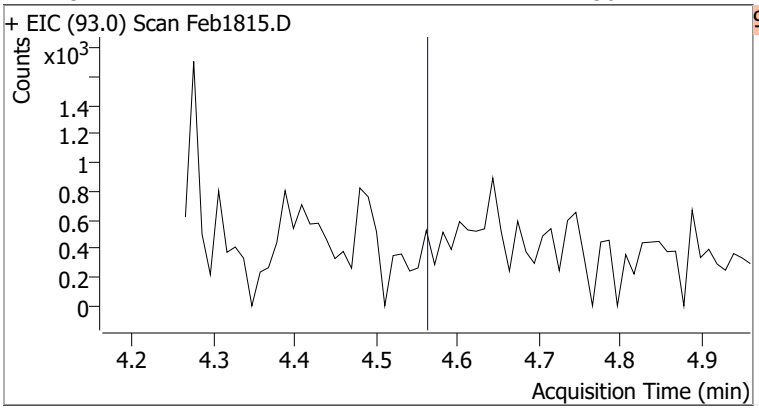
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	64.6773	3.65	0.00	609667	64.0	51.1	34.6	64.3
					92.0	20.0	14.2	26.5

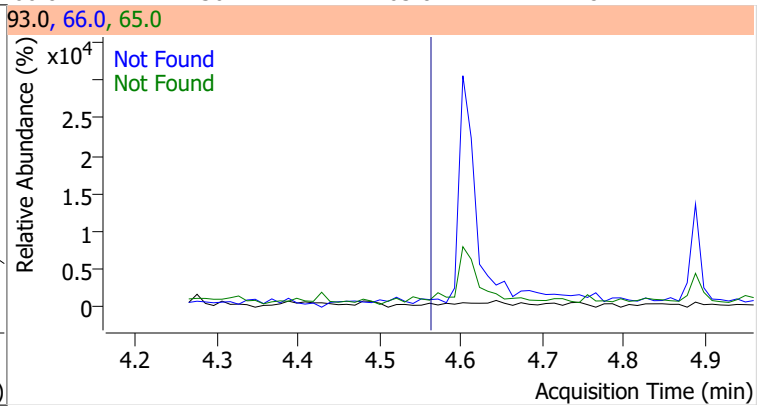






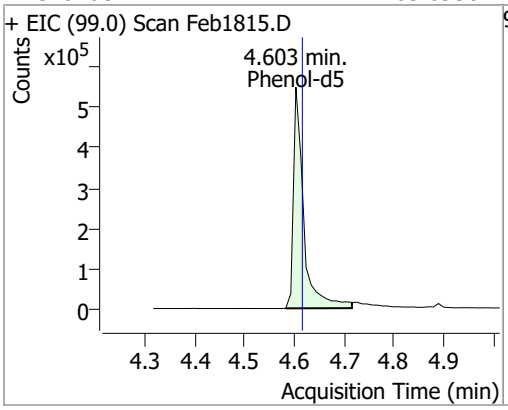
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

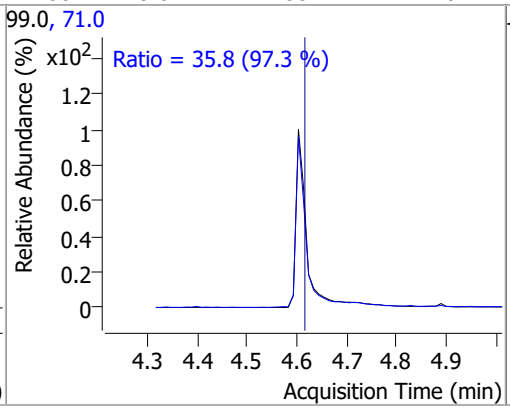


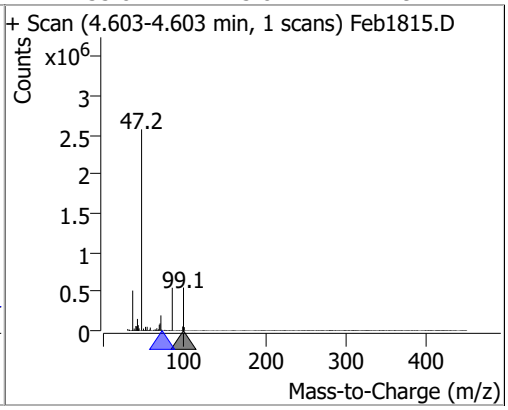


Quantitation Results Report (QT Reviewed)

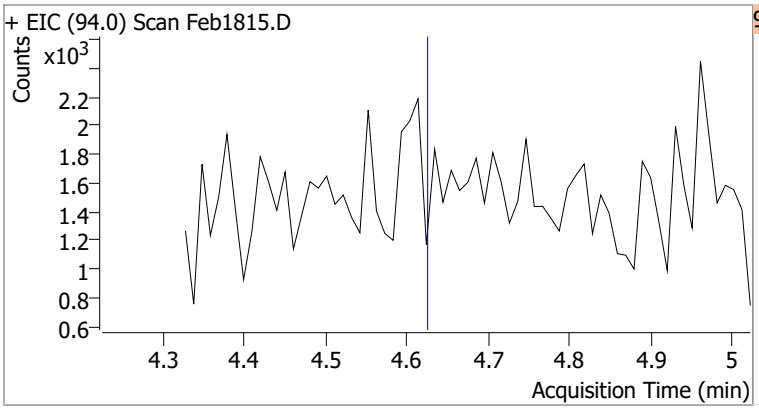
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	63.6930	4.60	-0.01	778814	71.0	35.8	25.8	47.9

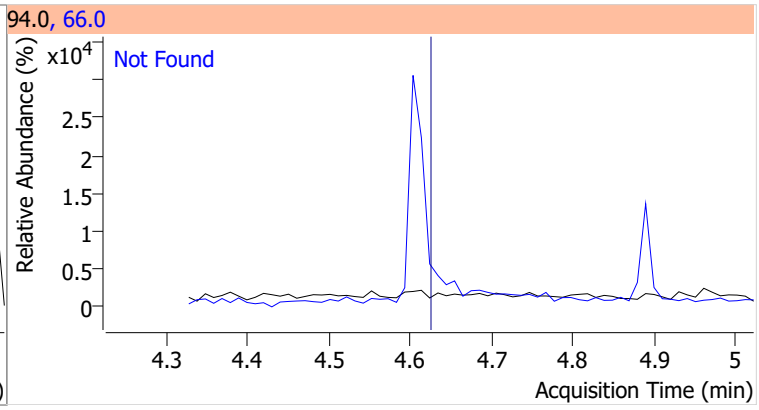




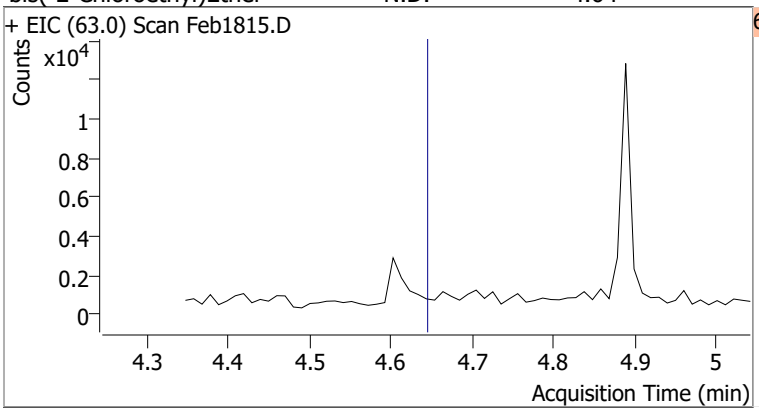


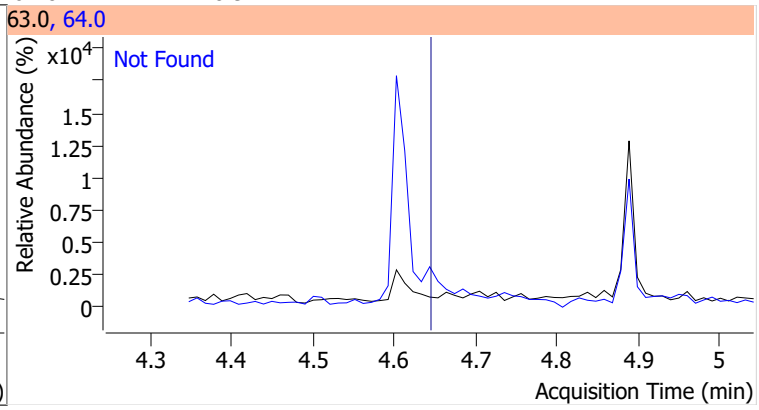
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



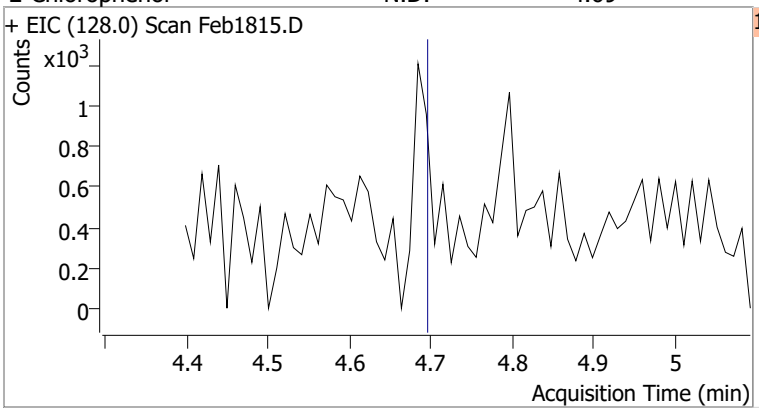


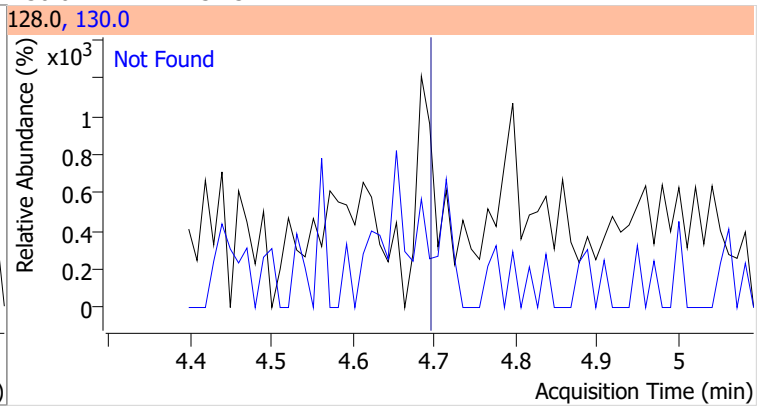
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



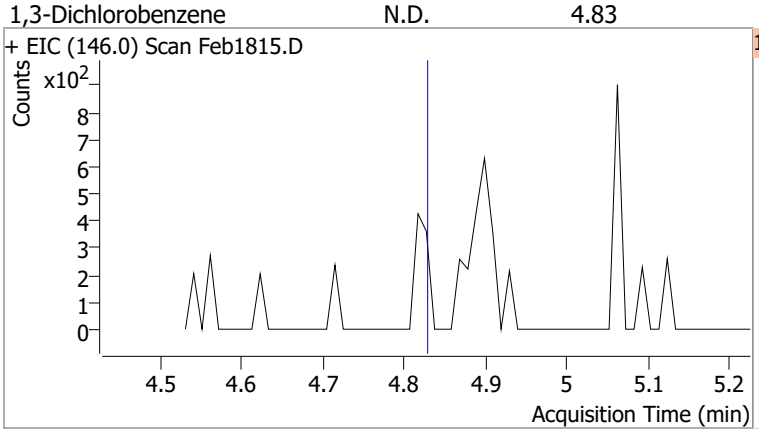


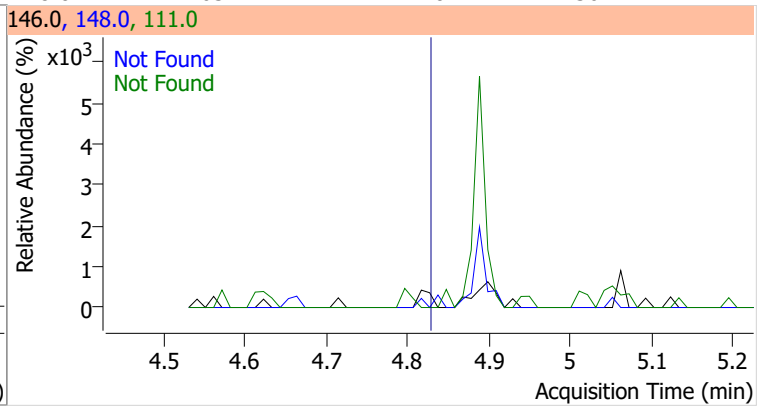
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



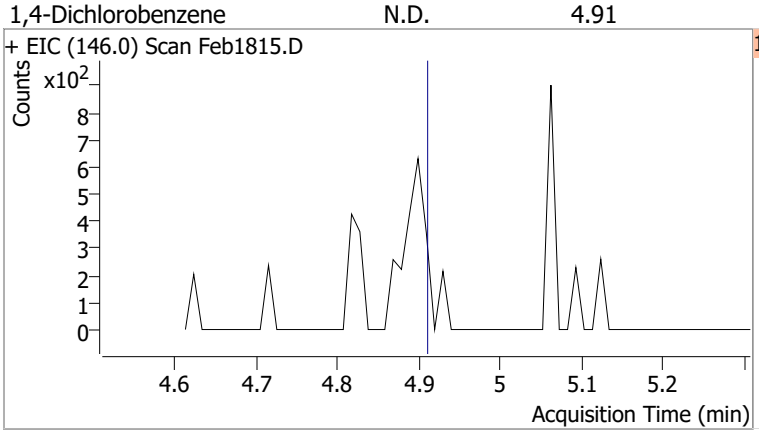


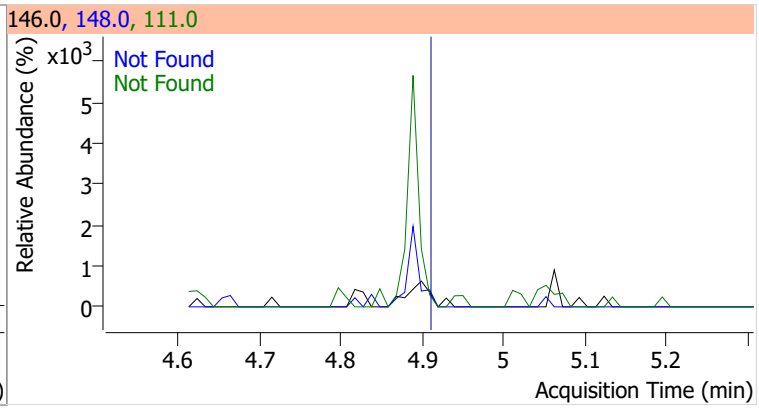
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



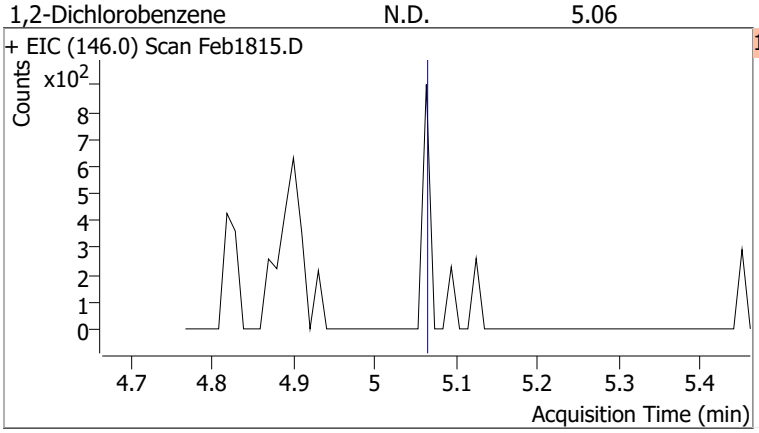


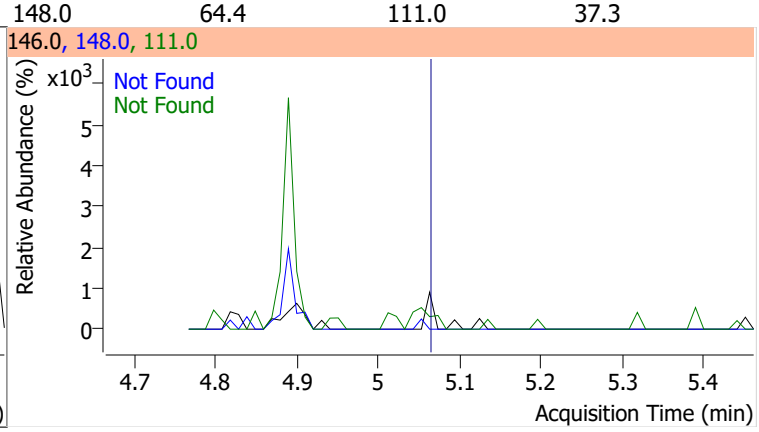
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



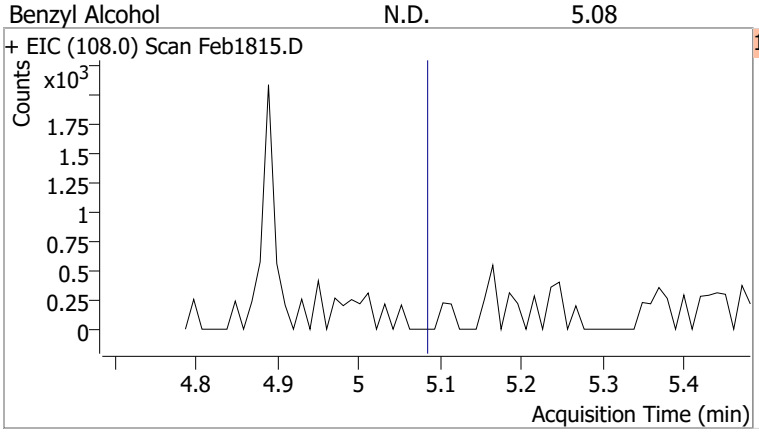


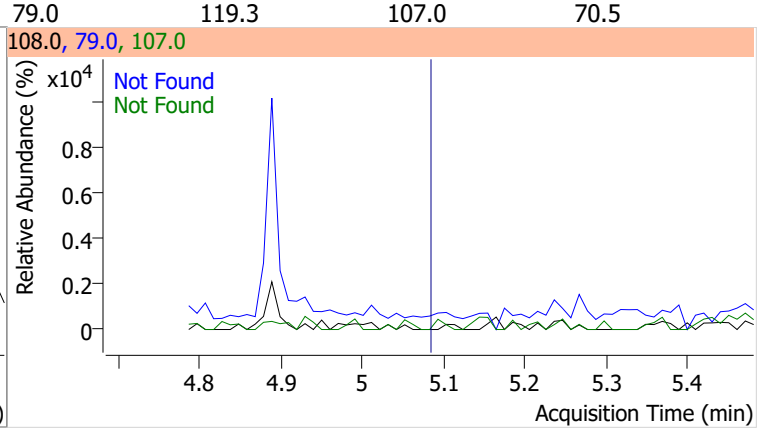
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



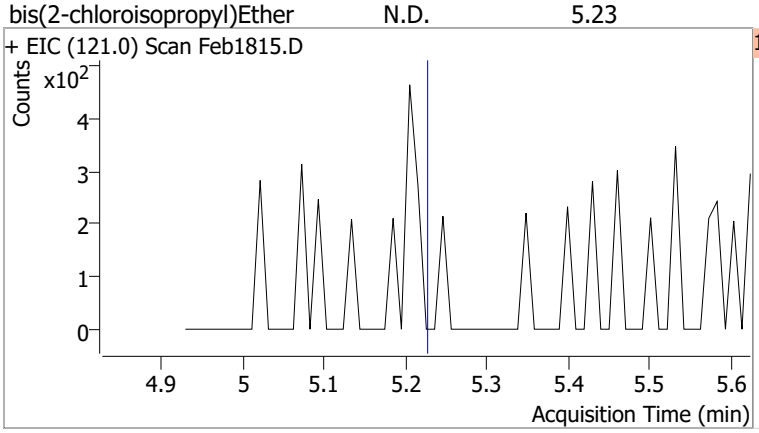


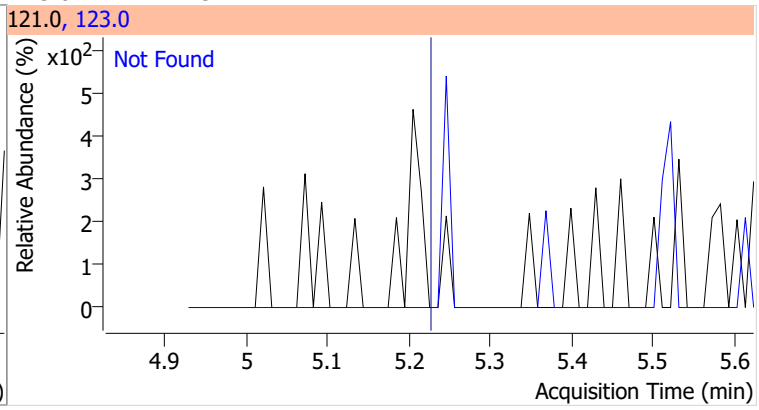
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



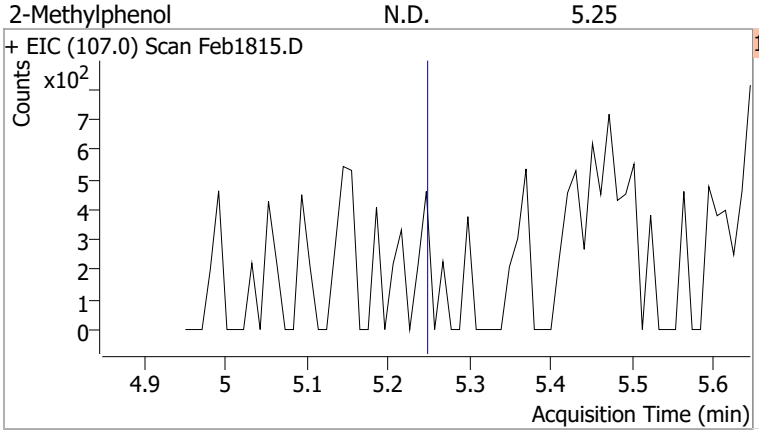


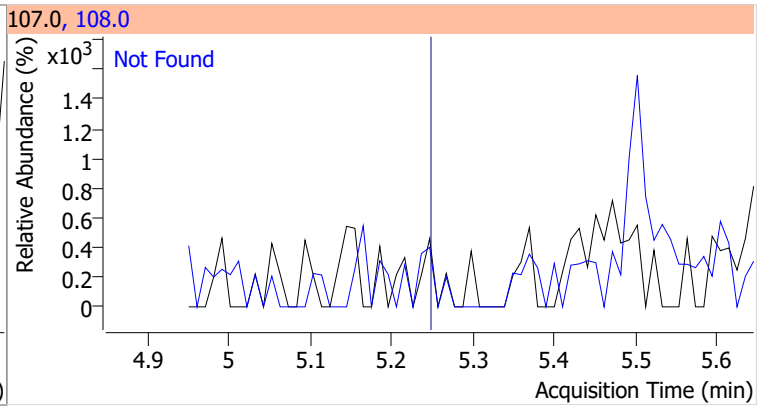
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



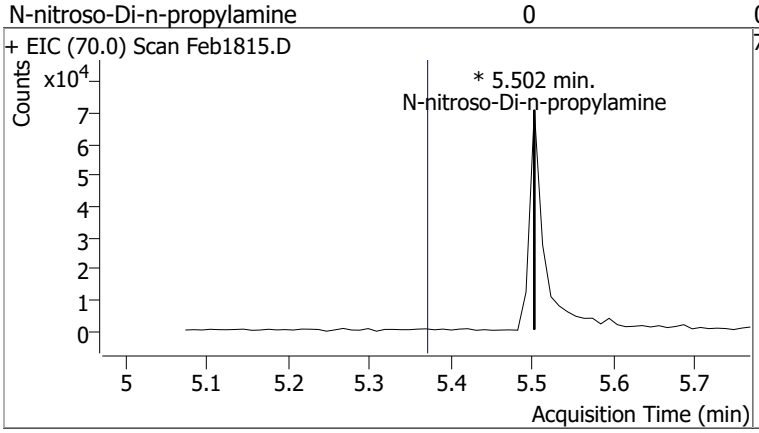


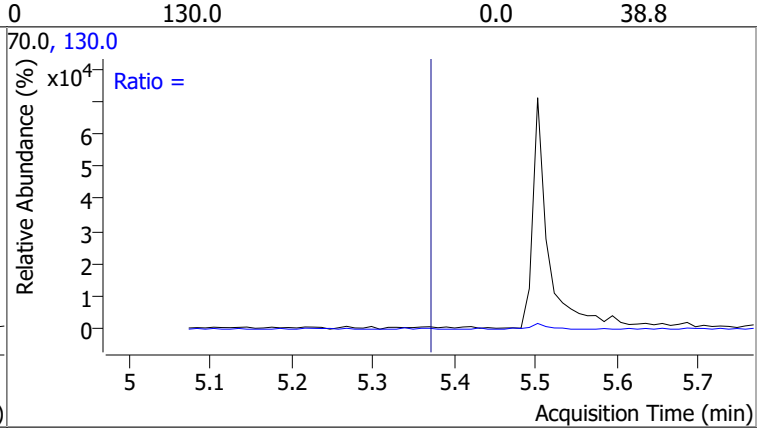
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



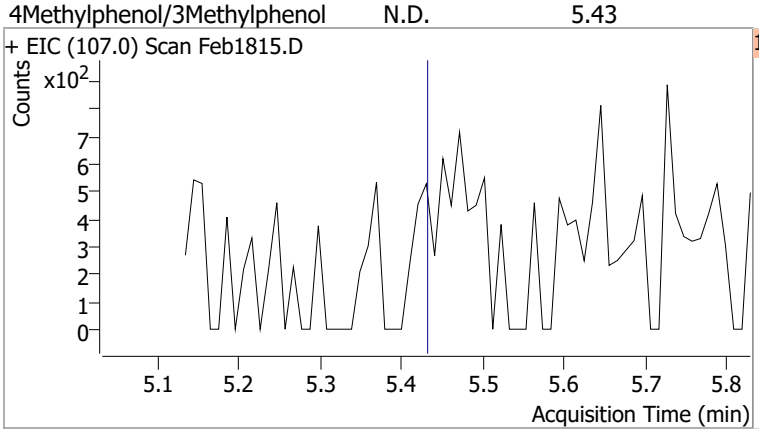


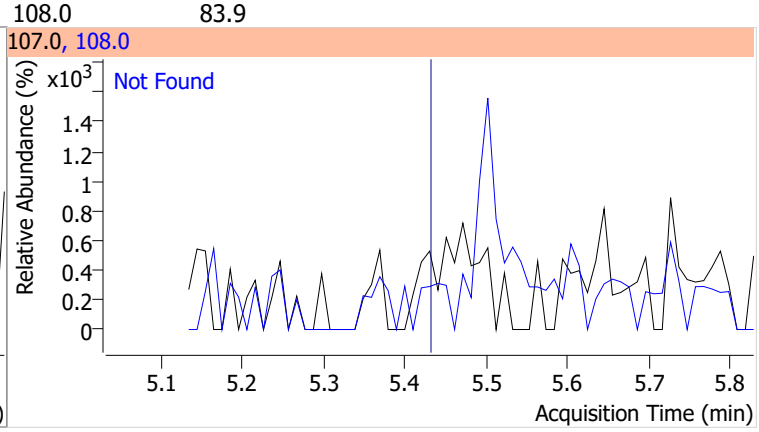
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



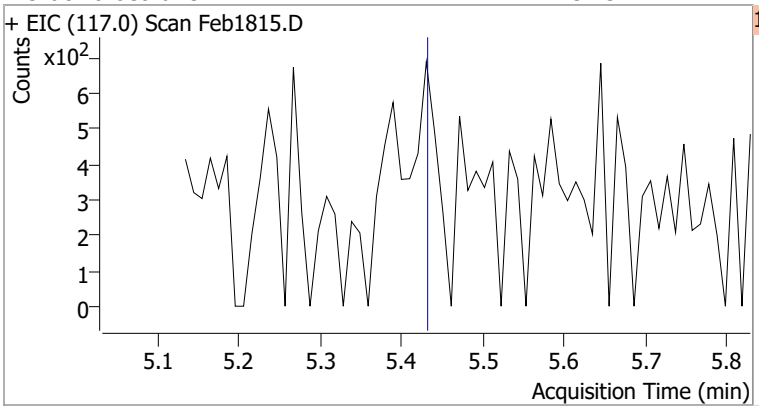


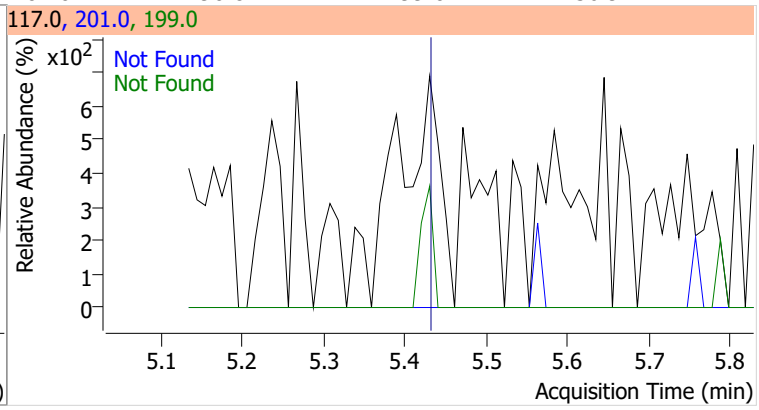
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



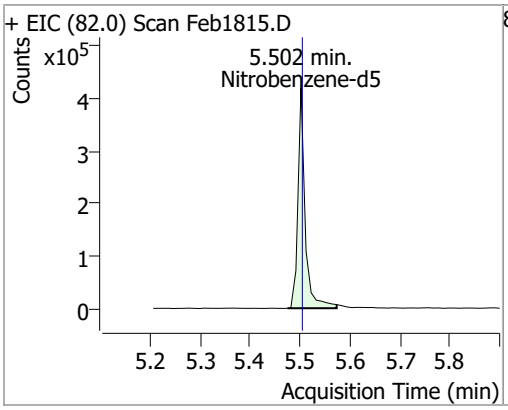


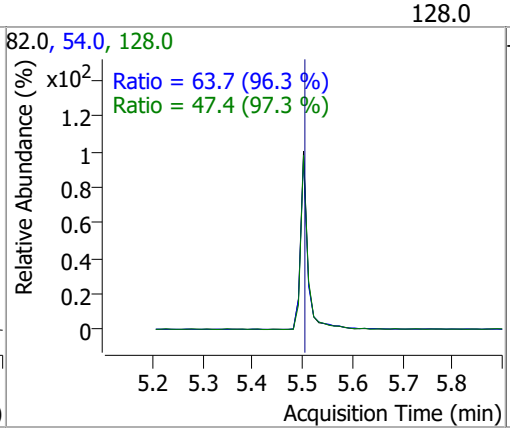
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

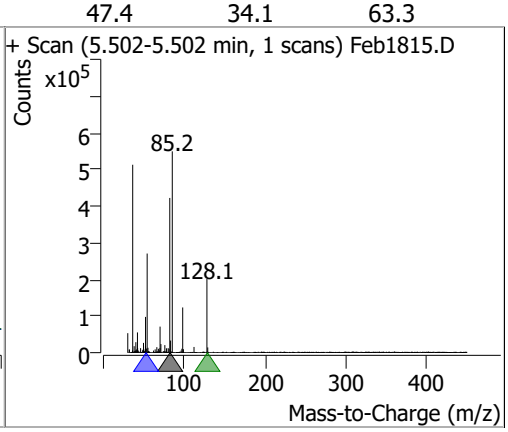




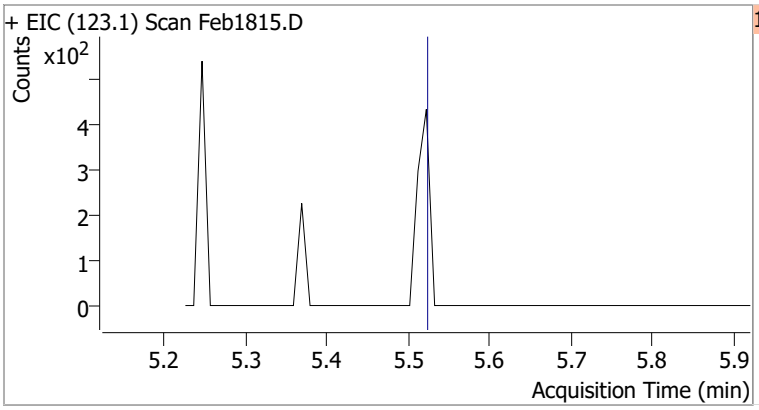
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	61.8257	5.50	0.00	418262	54.0	63.7	46.3	86.0
					128.0	47.4	34.1	63.3

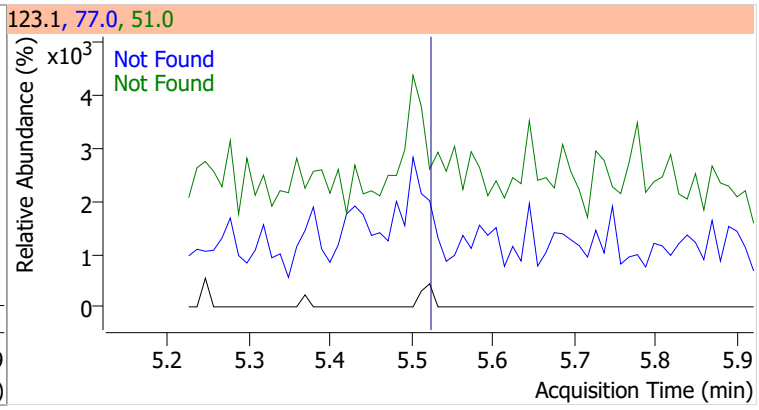




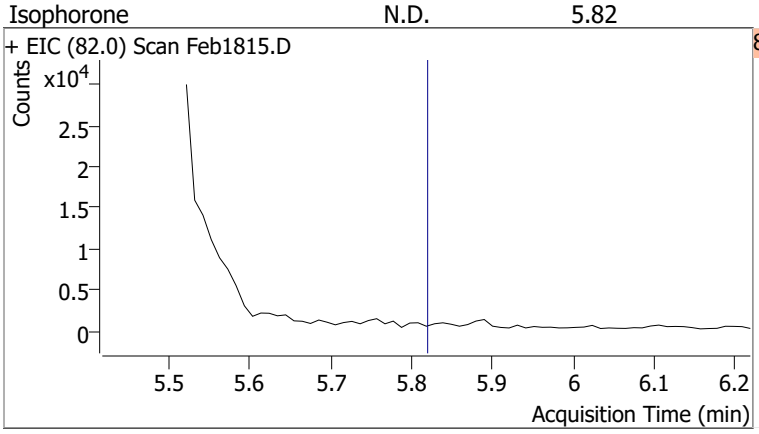


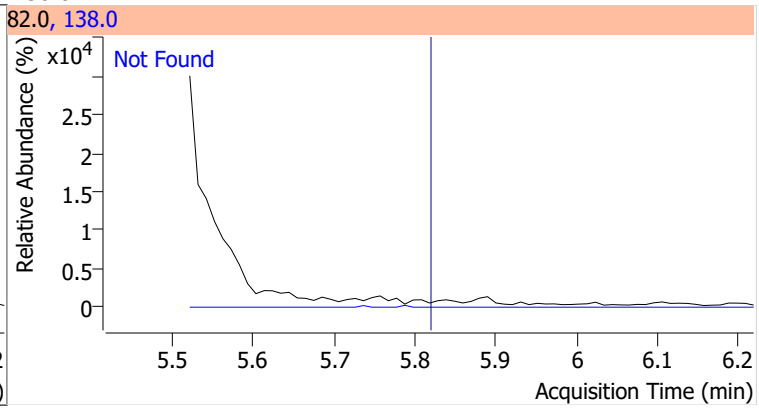
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



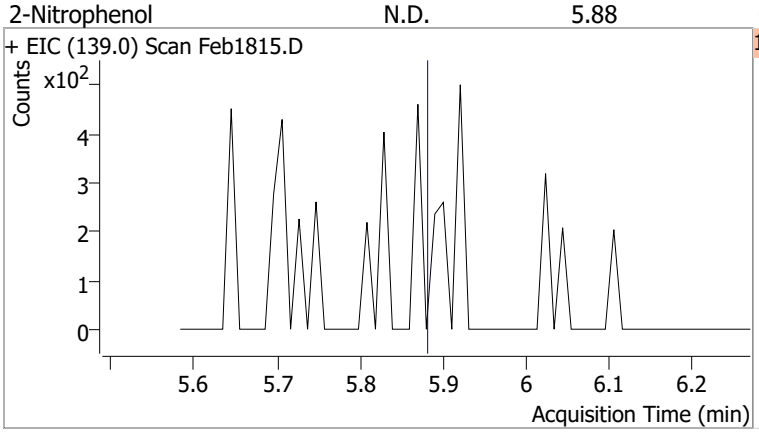


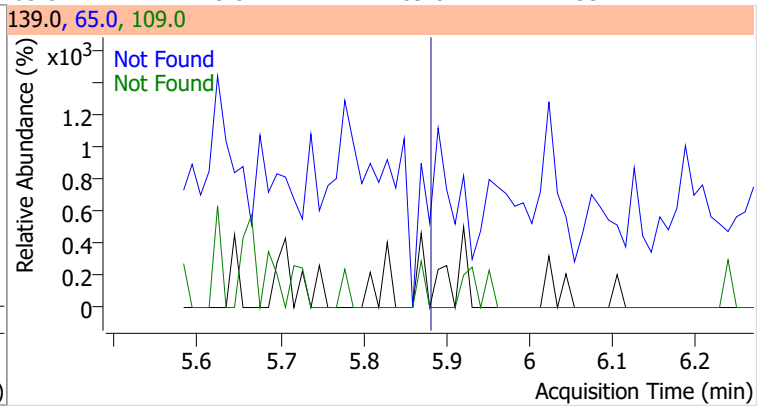
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



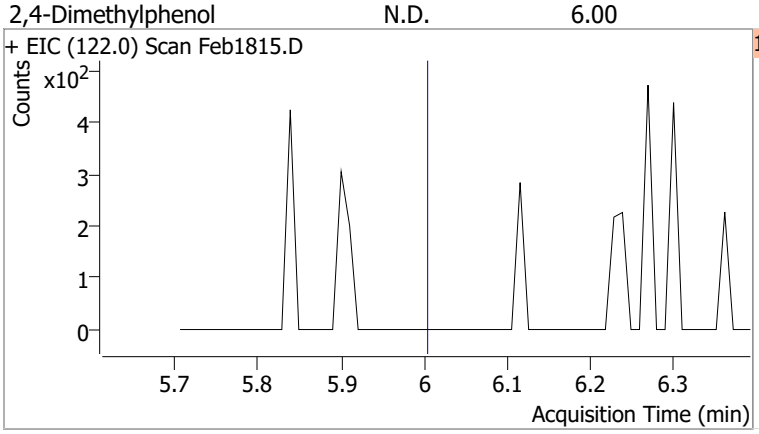


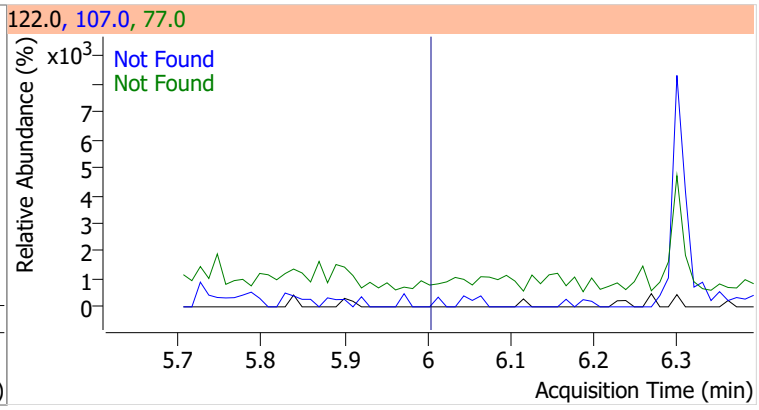
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



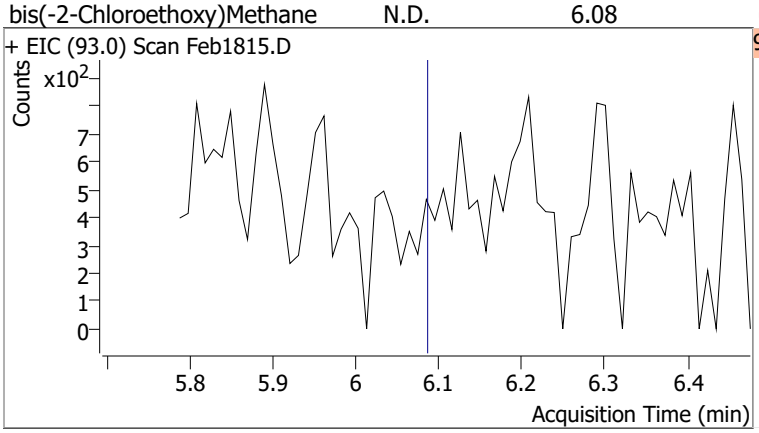


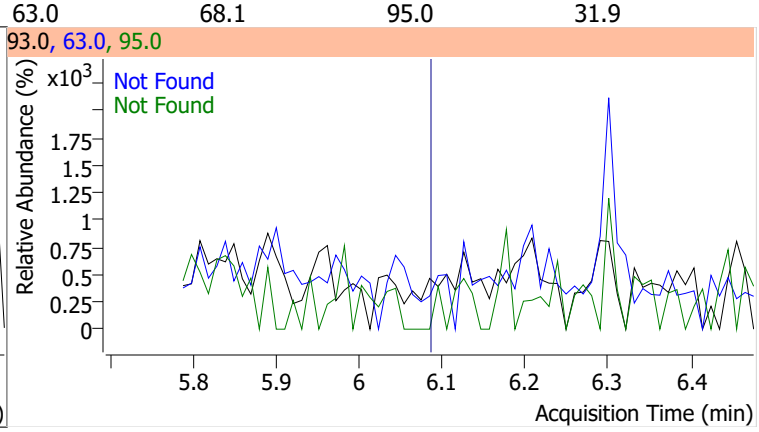
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



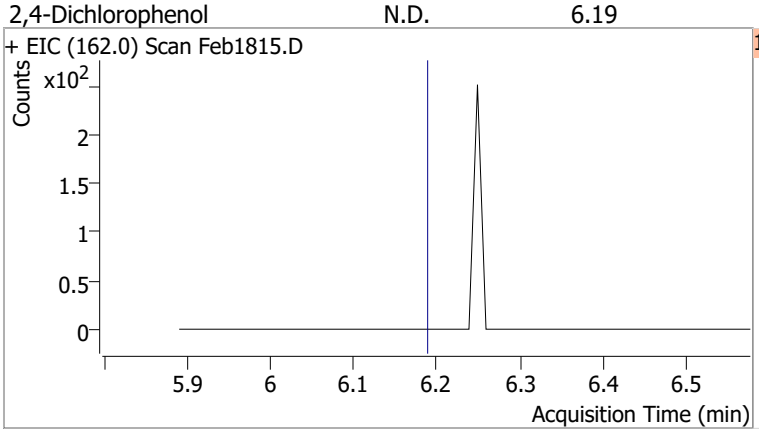


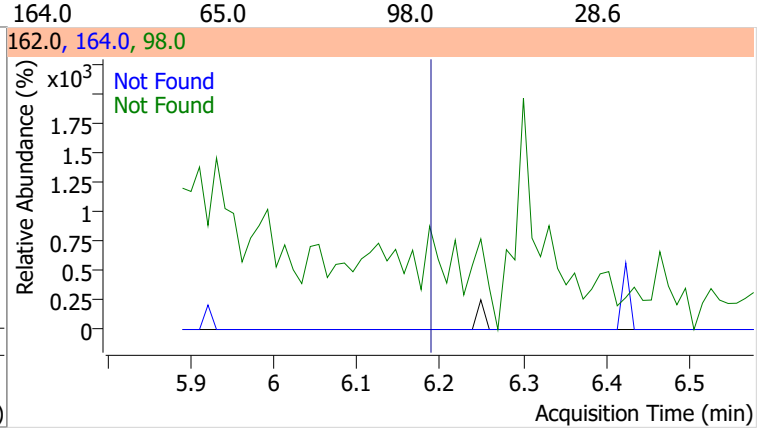
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



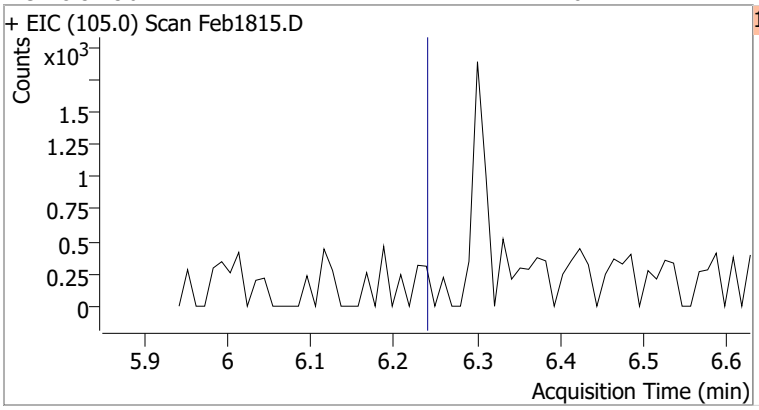


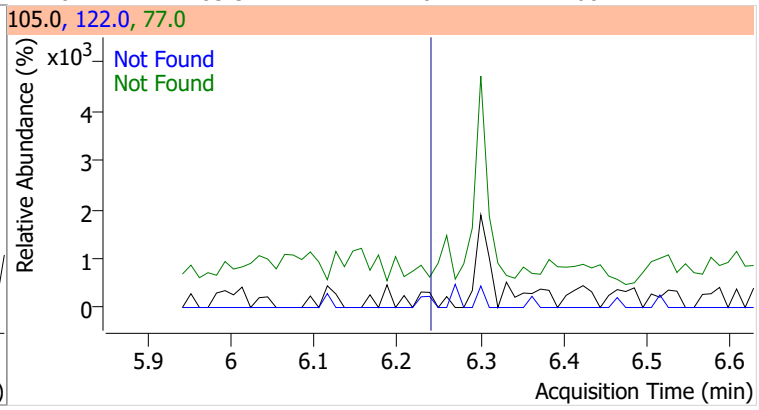
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



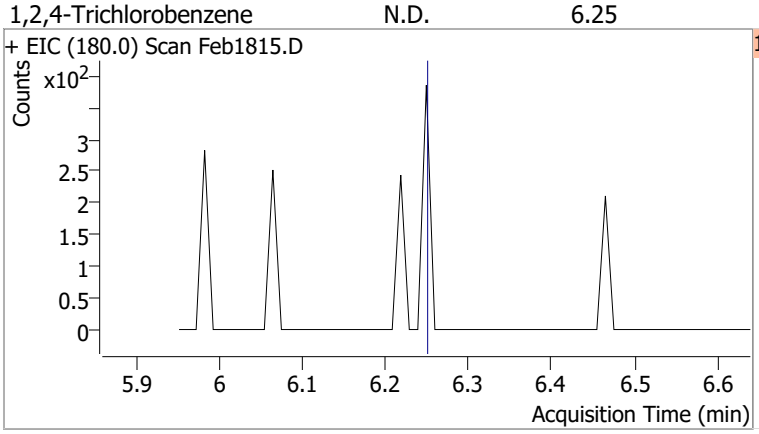


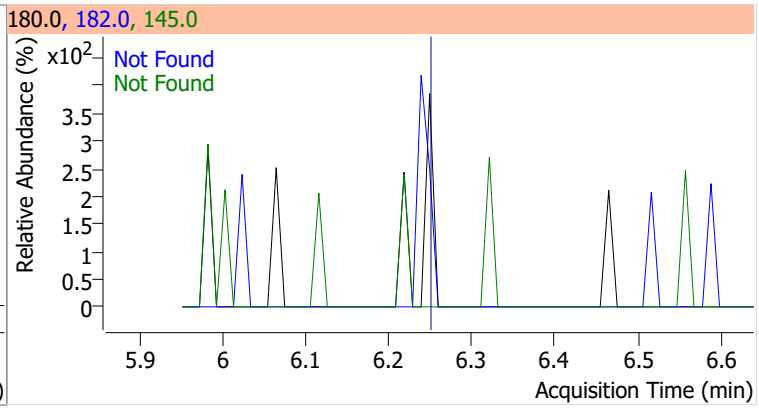
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



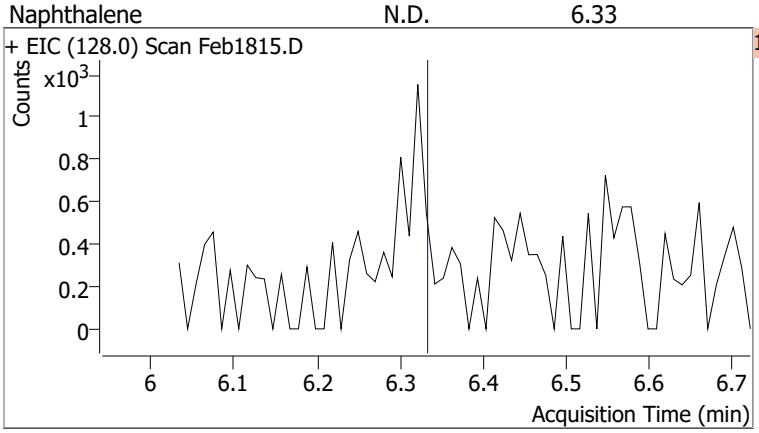


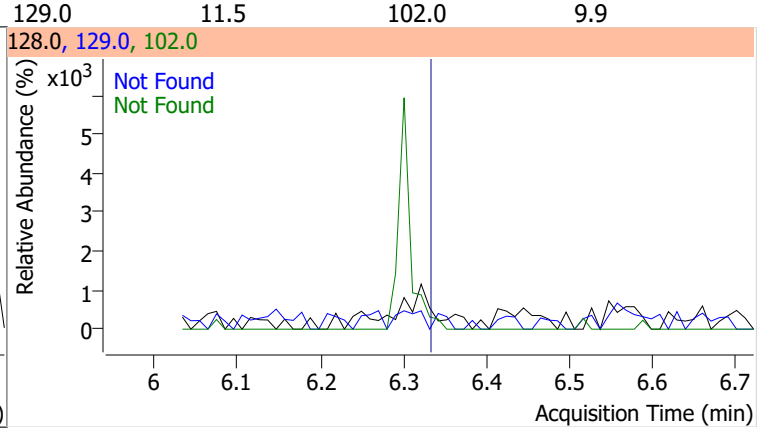
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



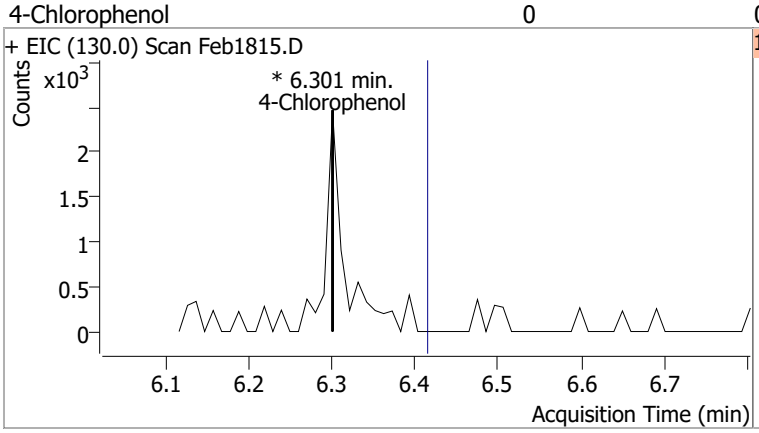


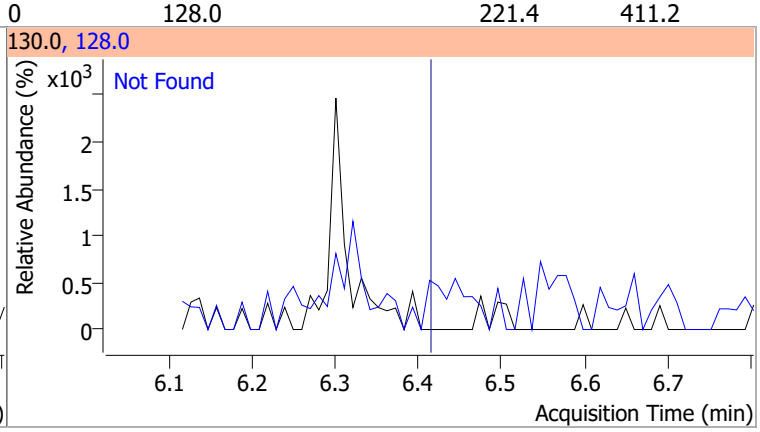
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



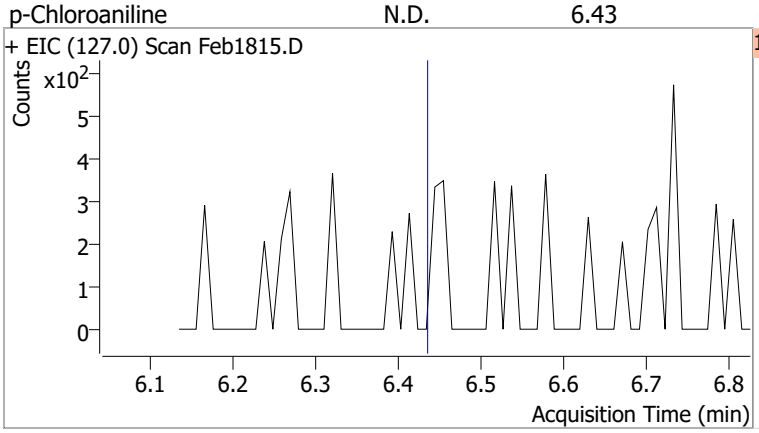


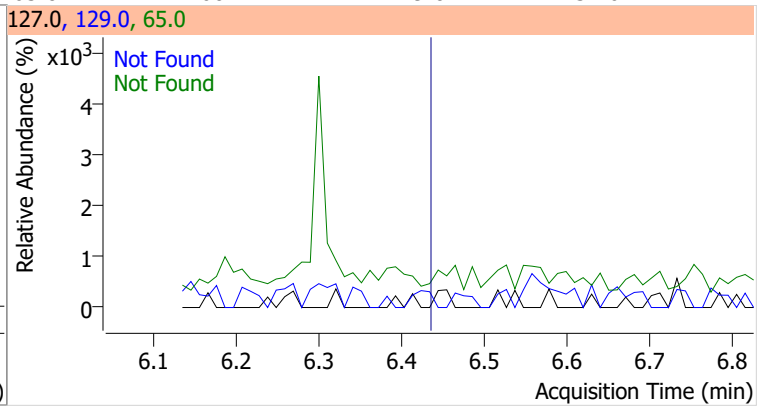
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol		0		0	128.0		221.4	411.2



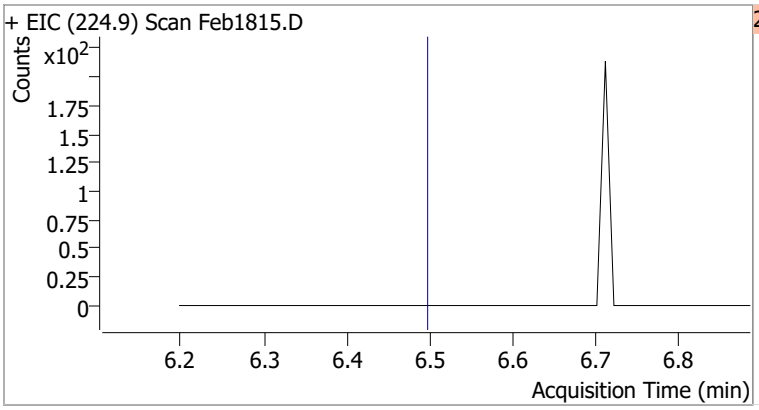


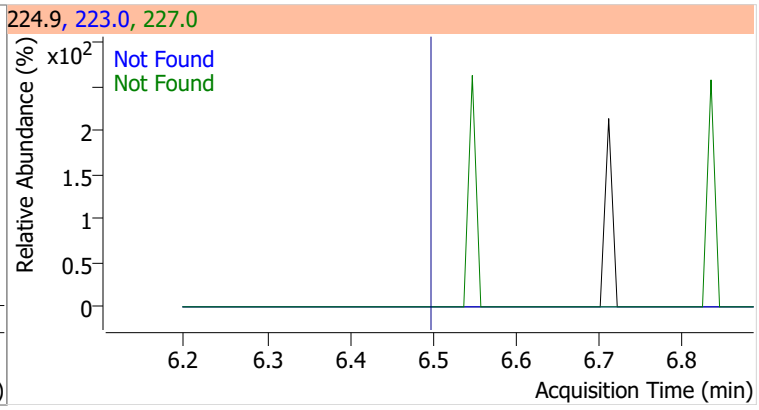
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



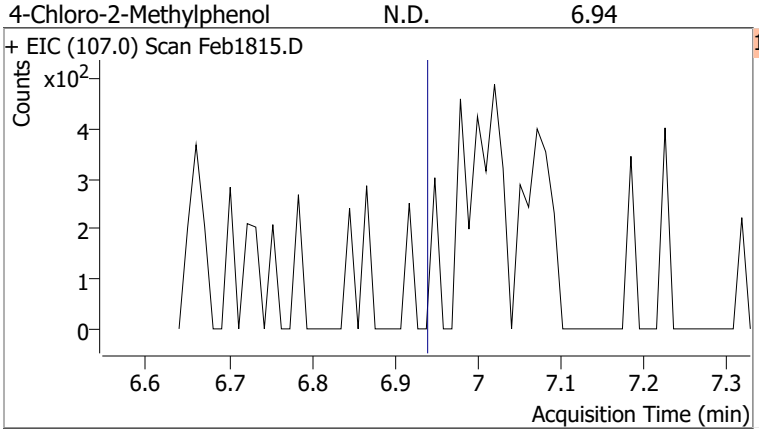


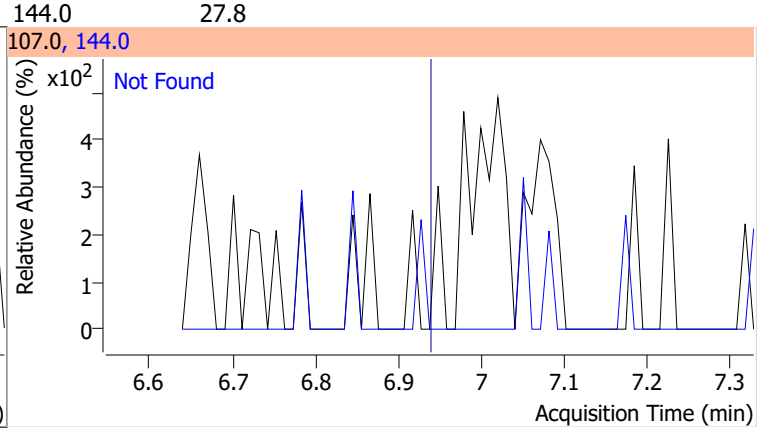
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



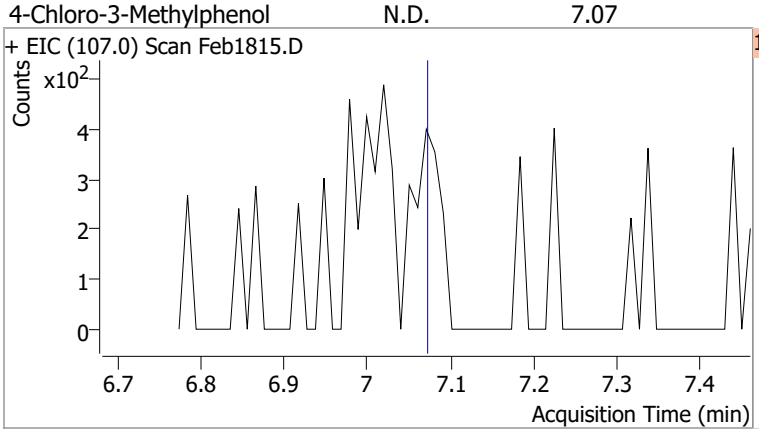


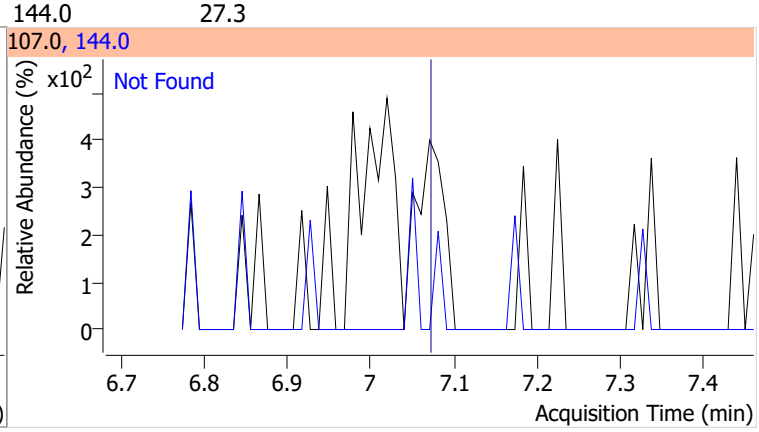
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



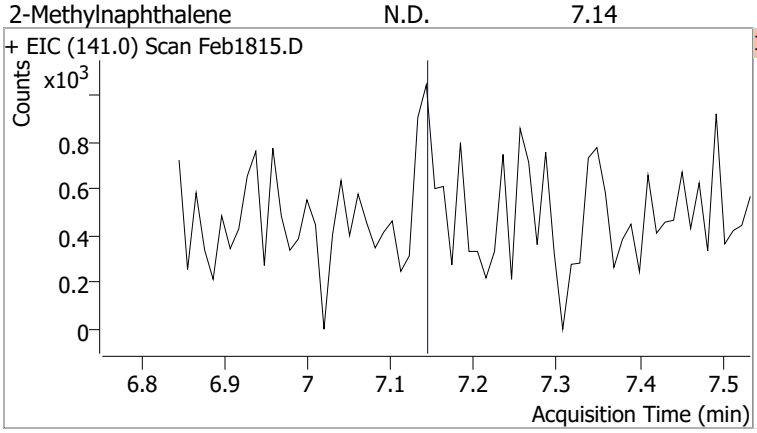


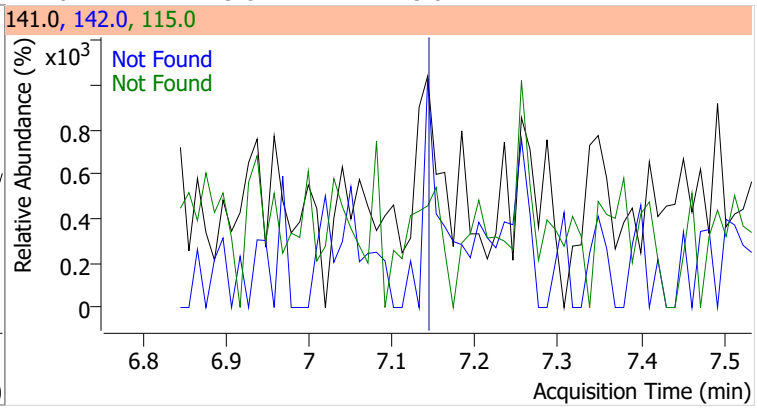
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



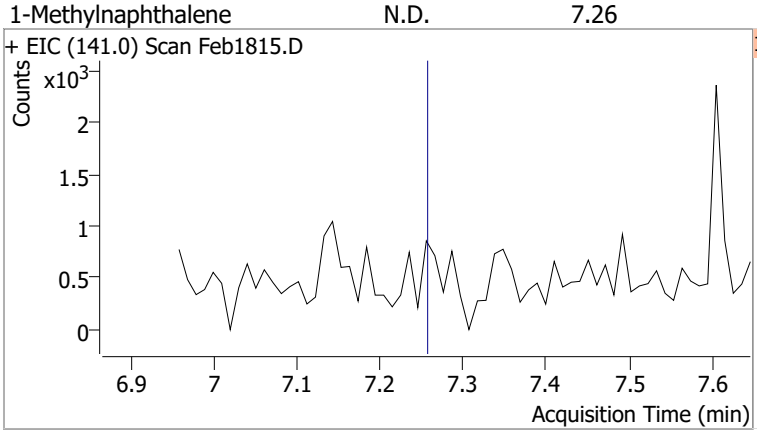


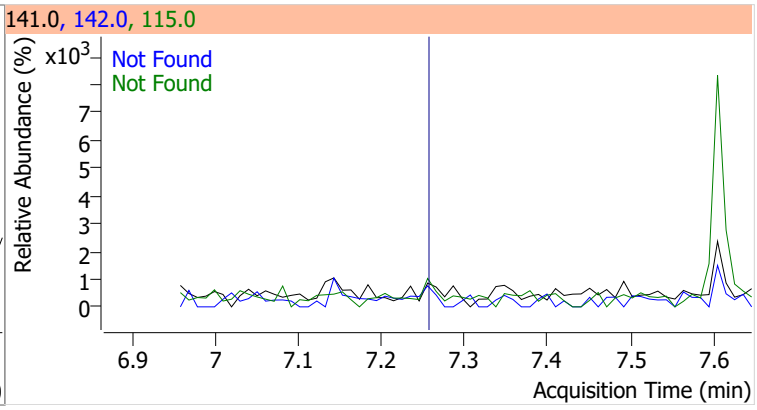
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



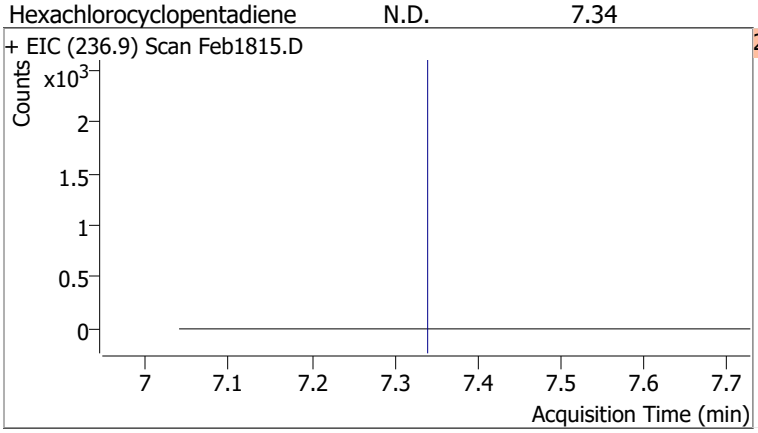


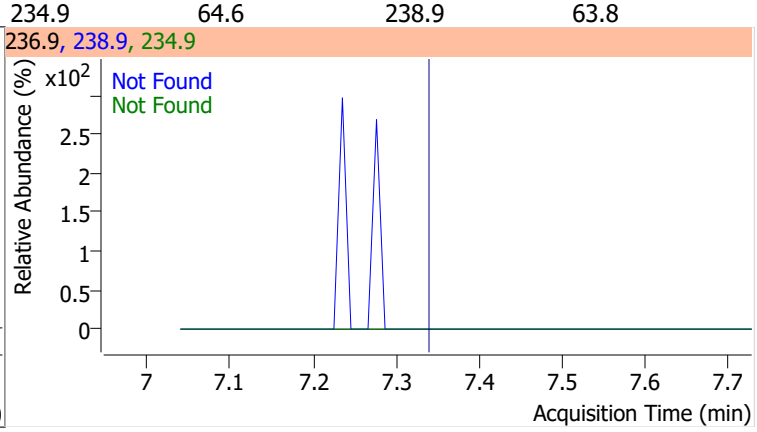
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



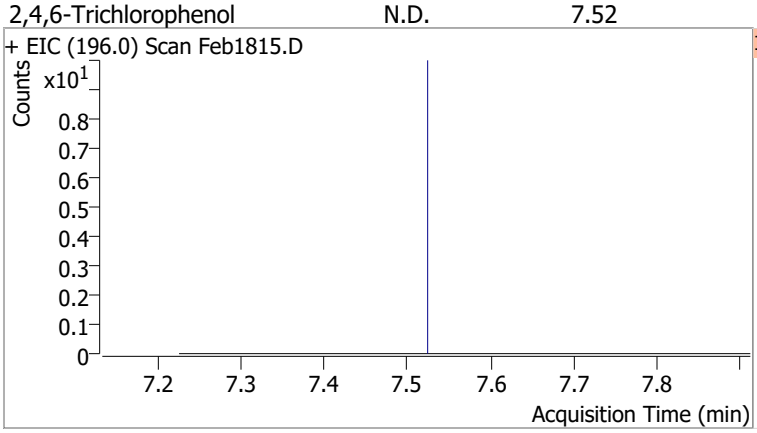


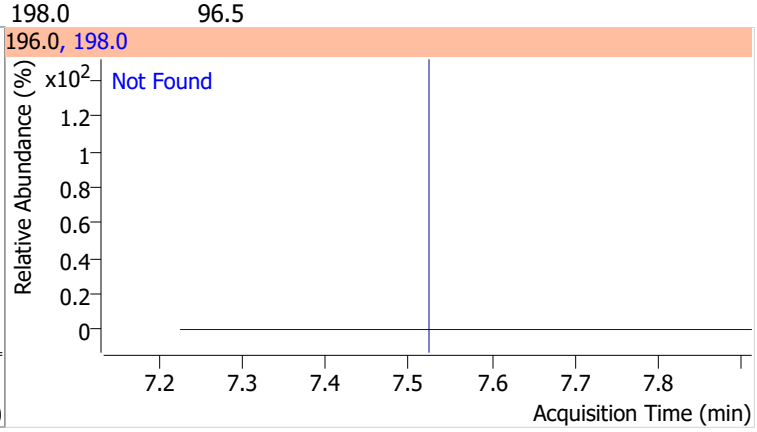
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



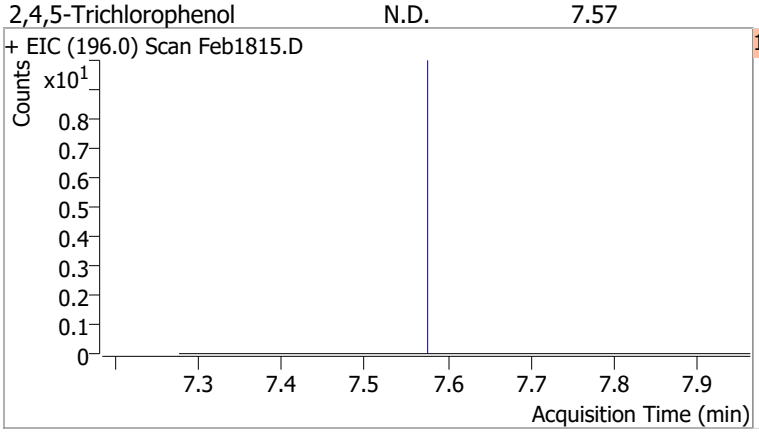


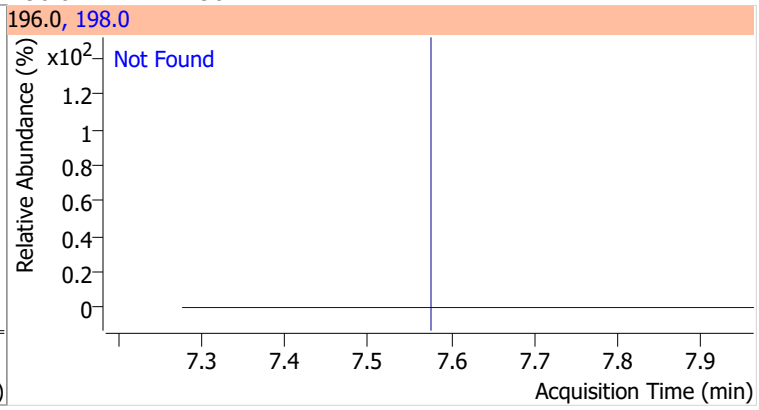
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



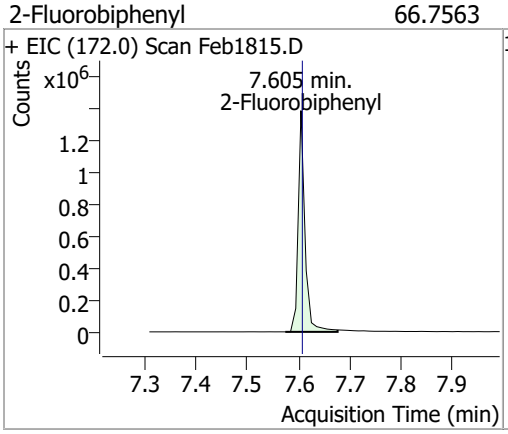


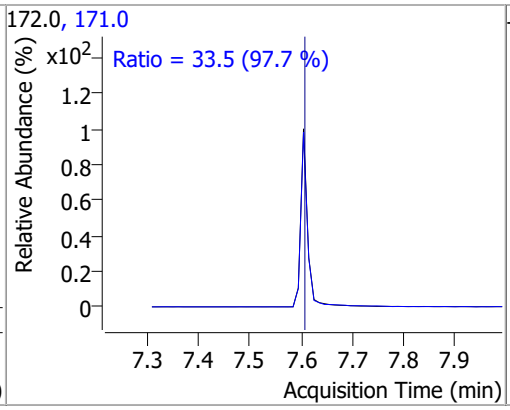
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

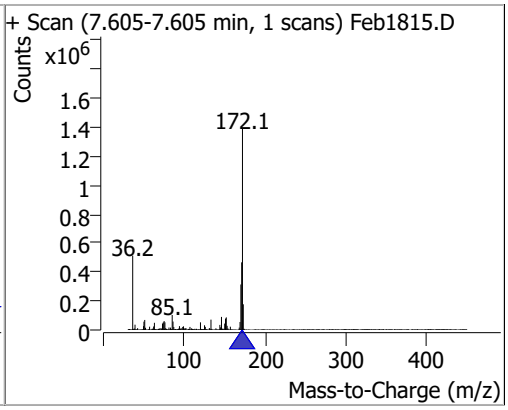




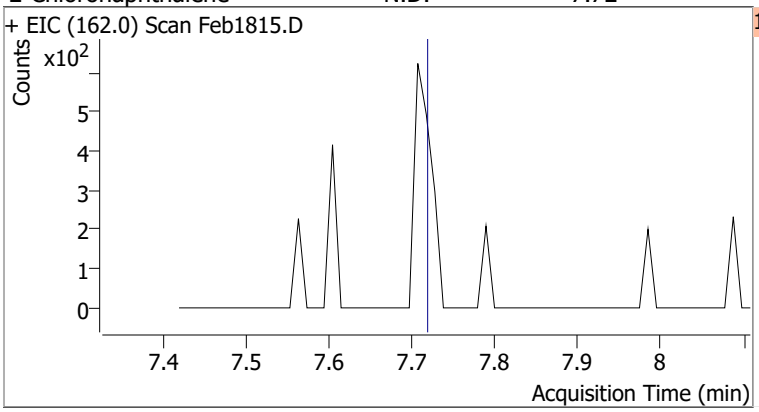
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	66.7563	7.60	0.00	1277952	171.0	33.5	24.0	44.5

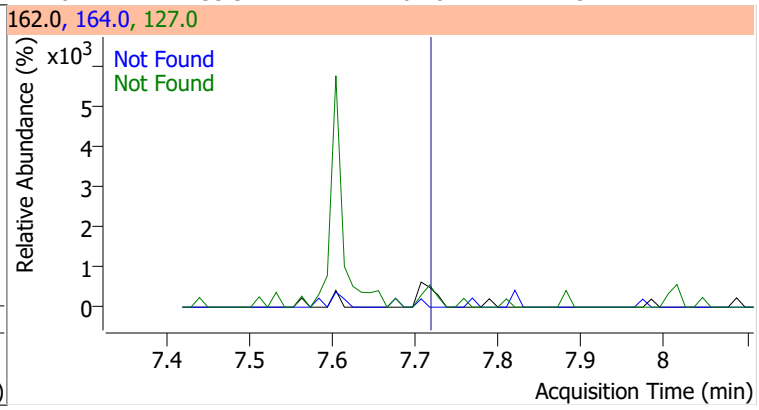




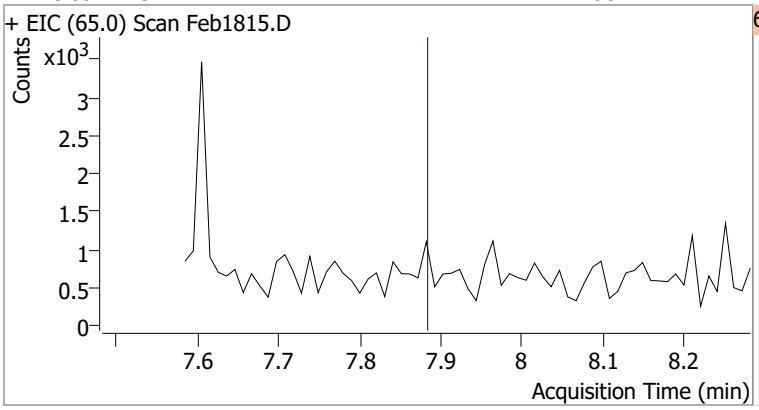


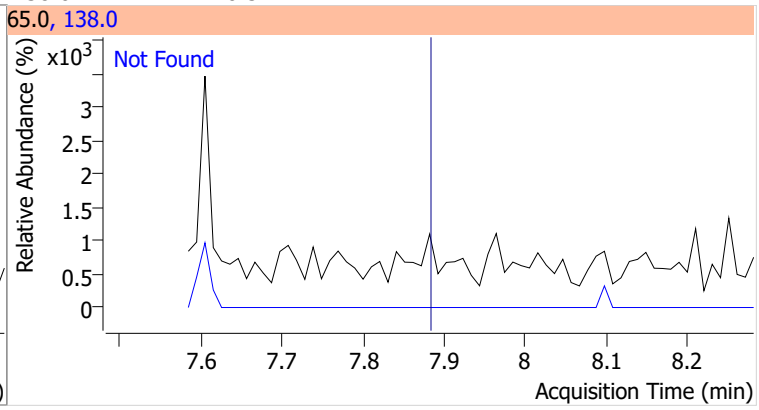
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



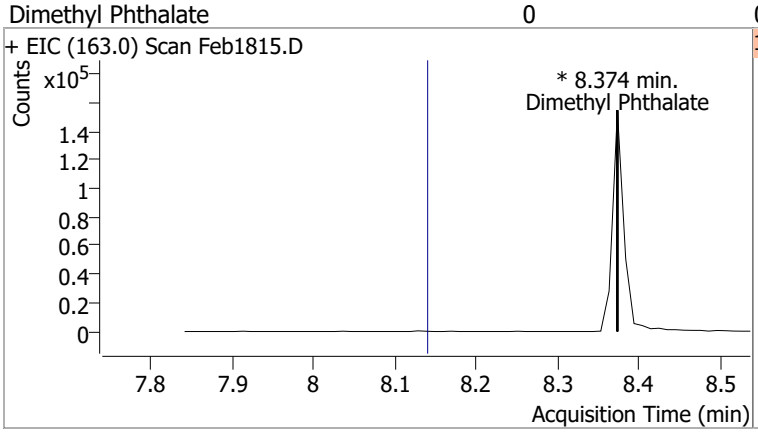


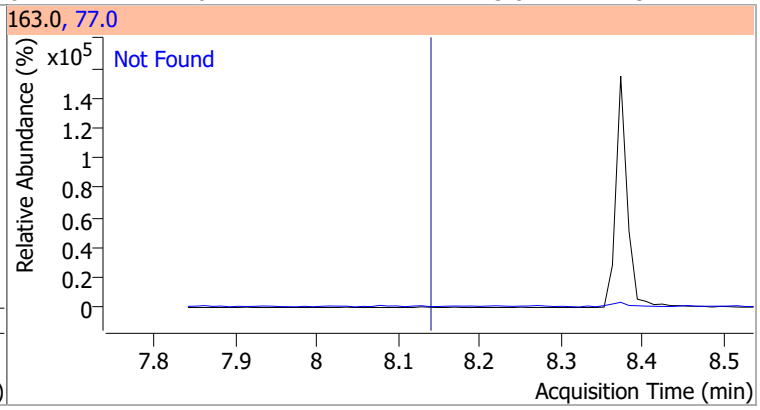
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



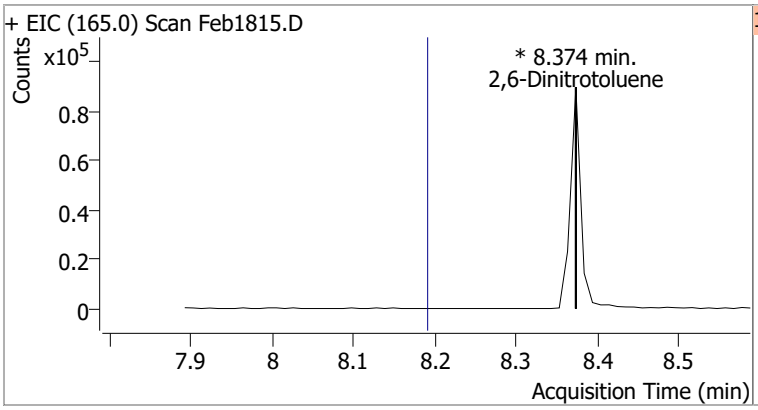


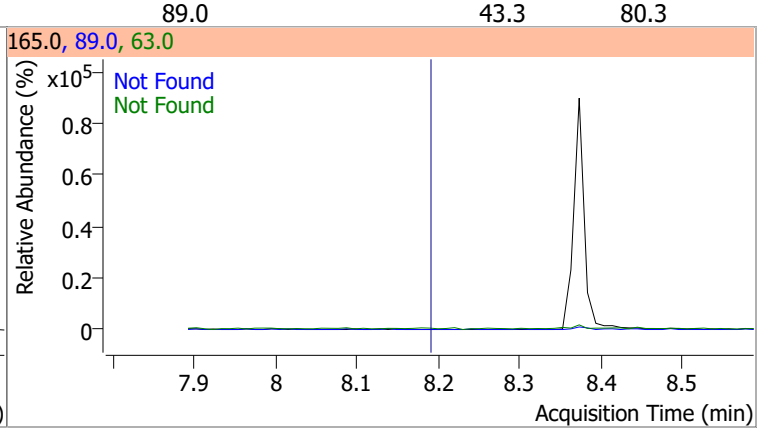
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



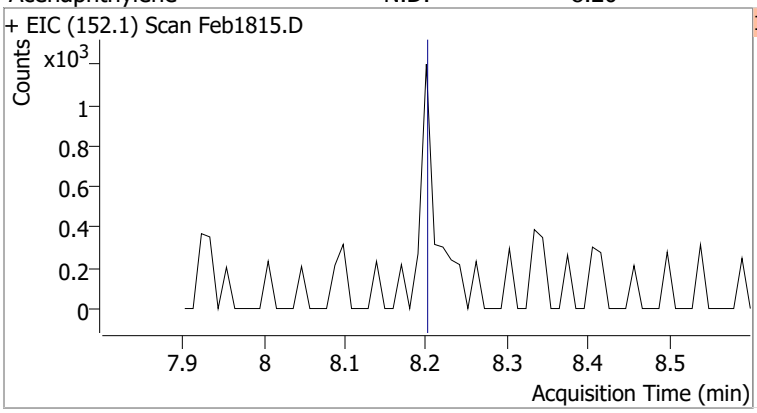


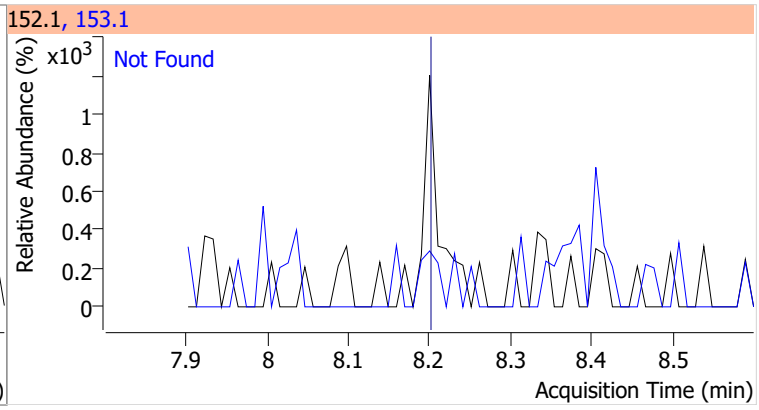
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



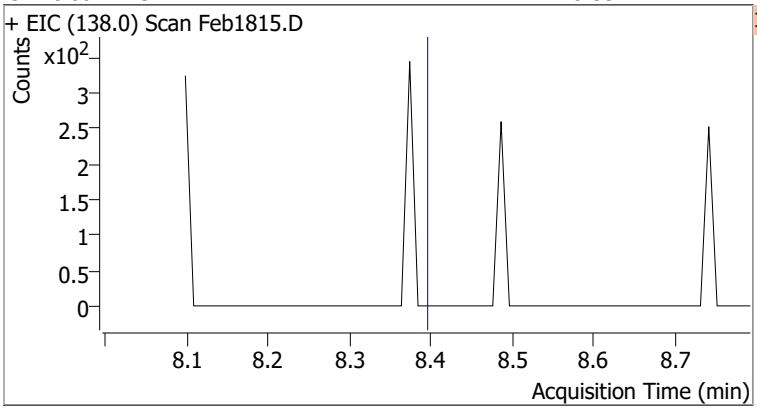


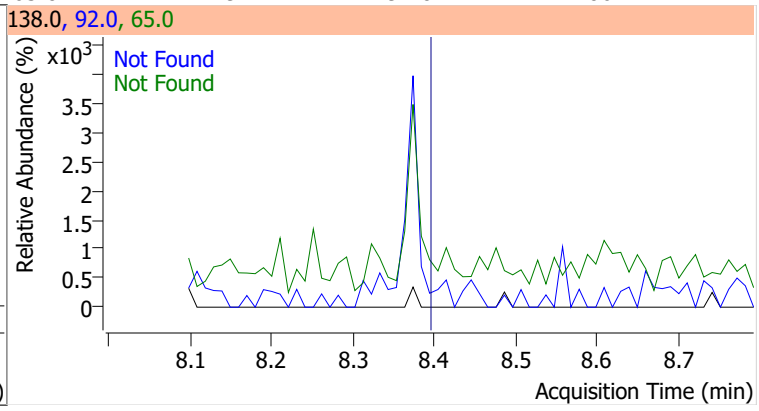
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



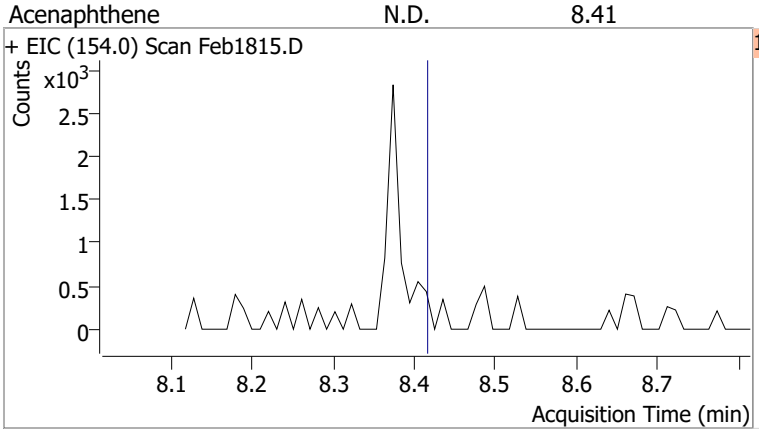


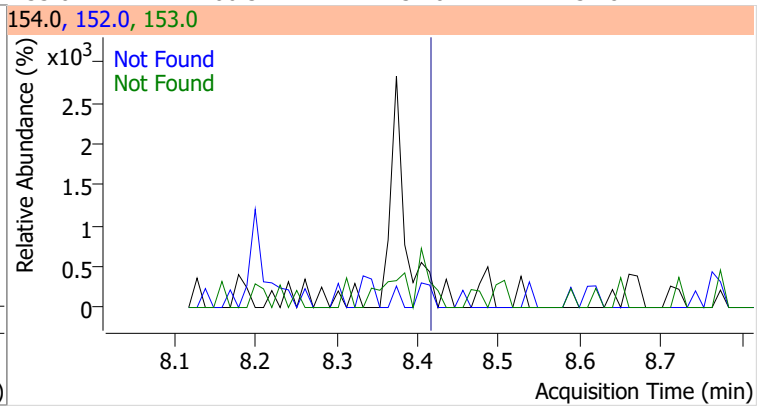
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



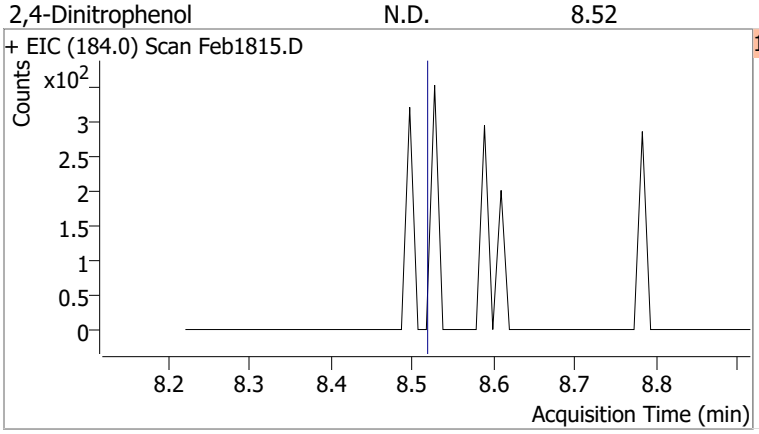


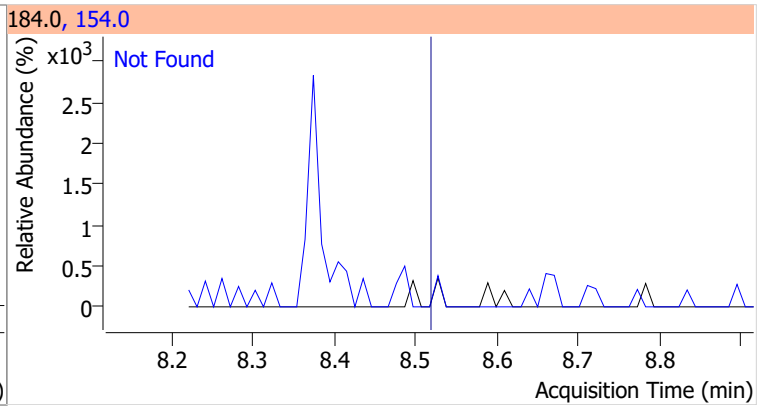
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



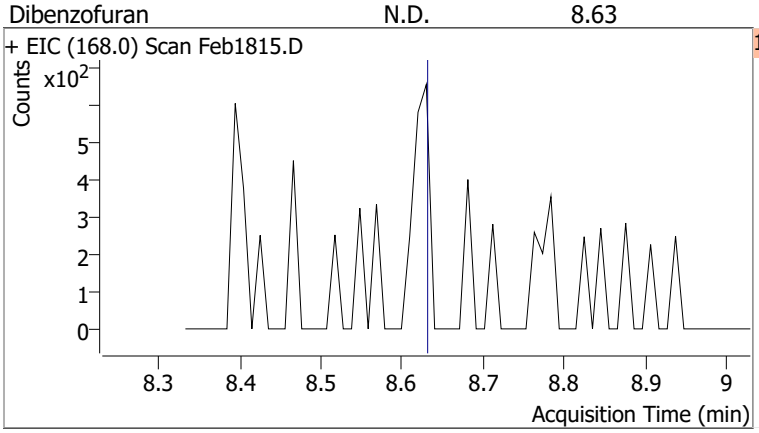


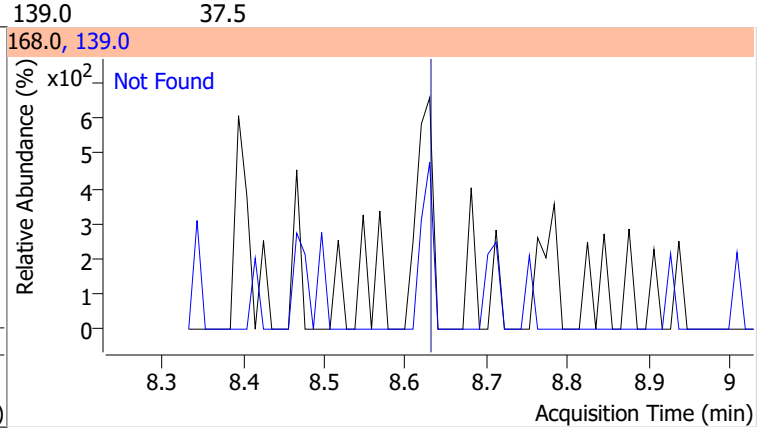
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



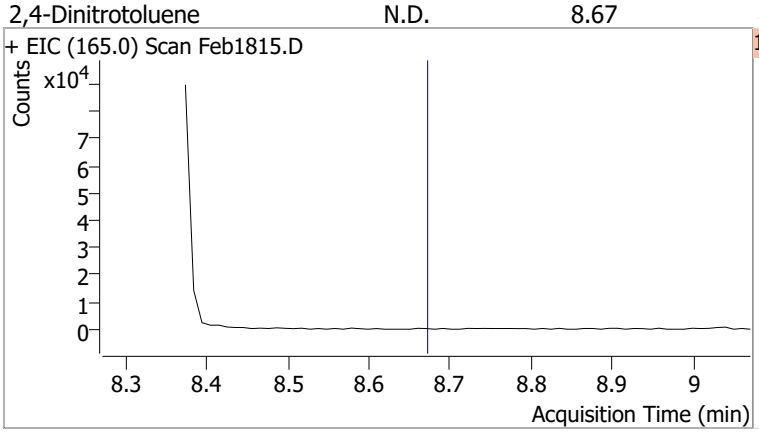


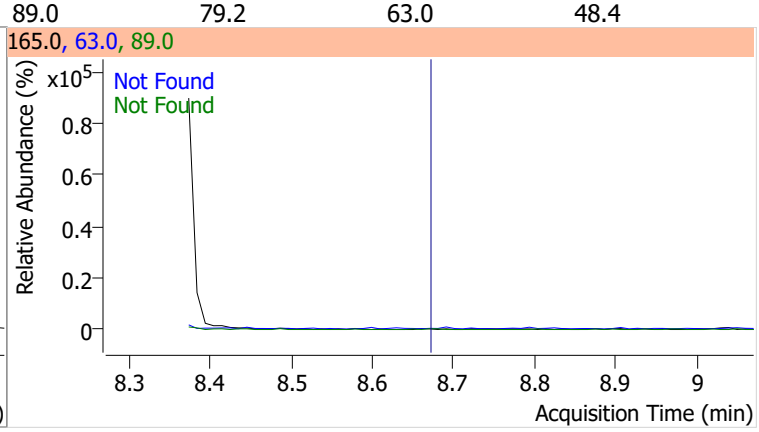
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



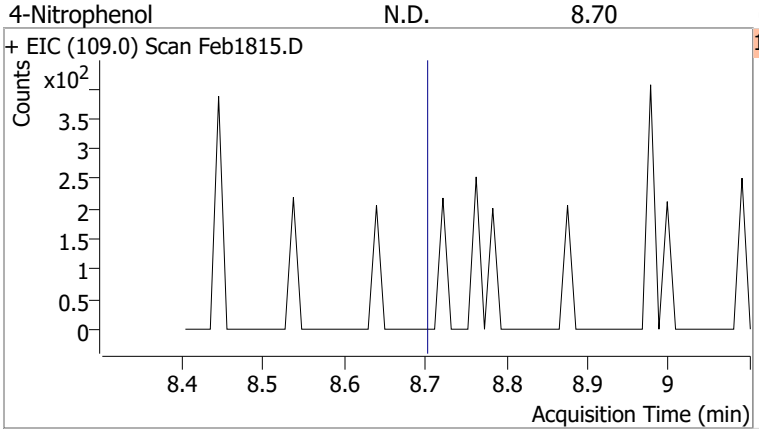


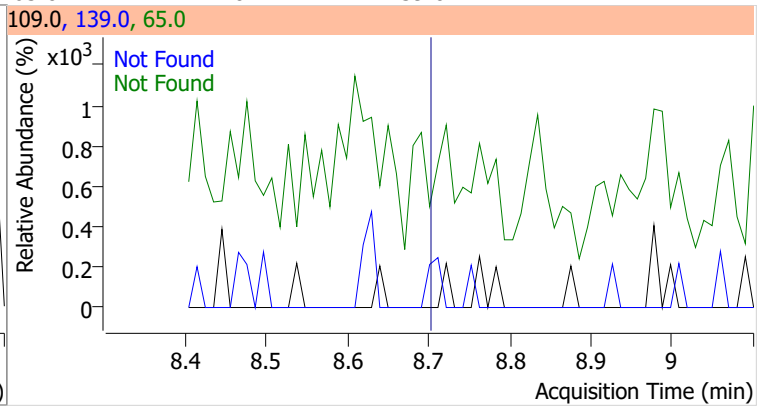
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



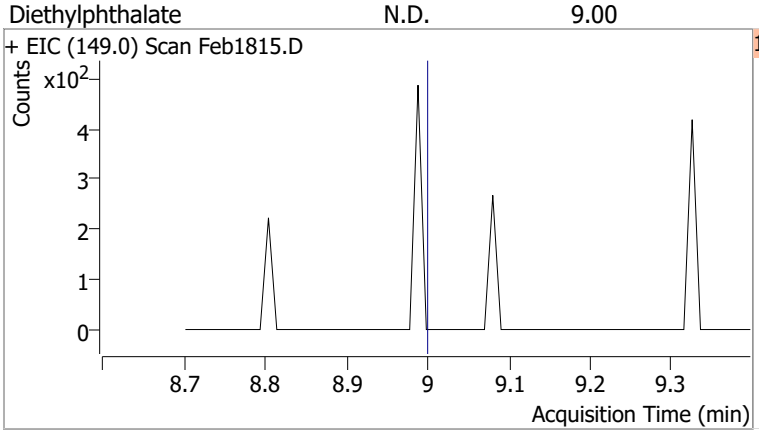


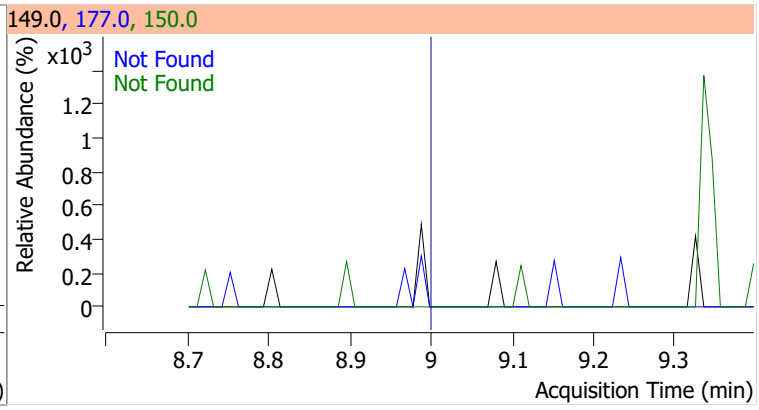
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



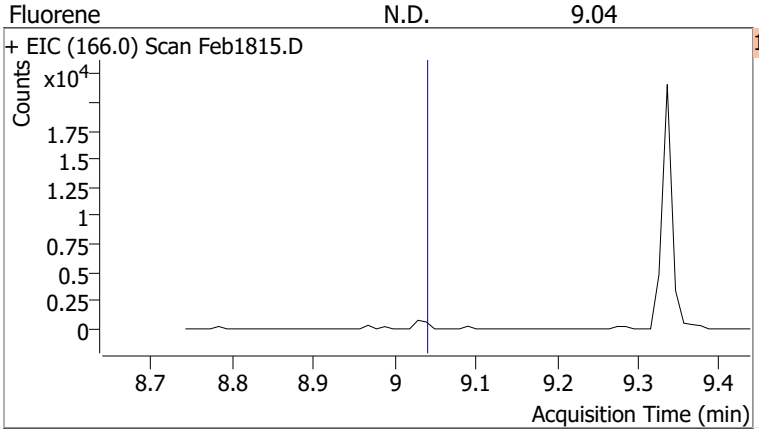


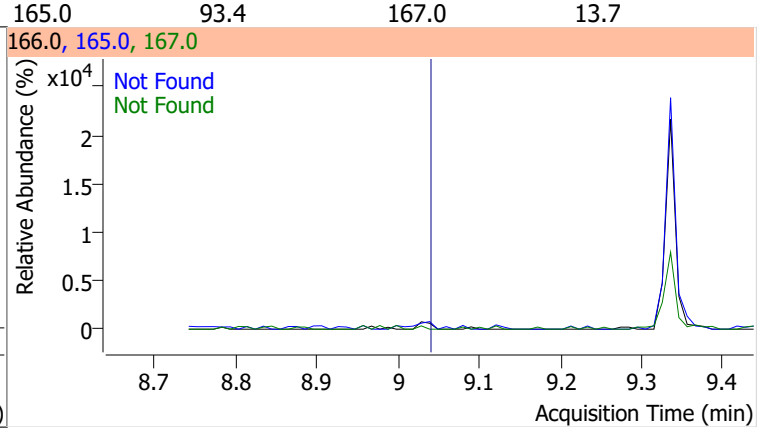
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



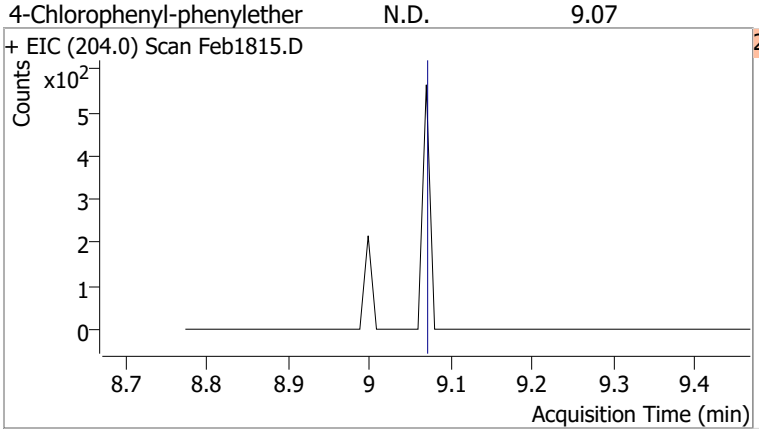


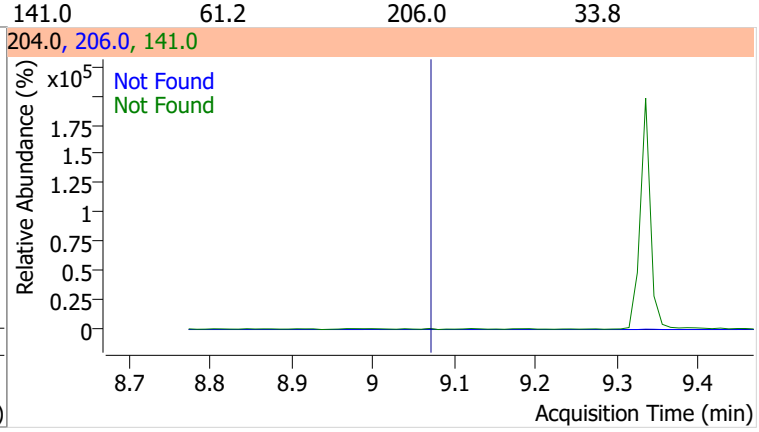
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



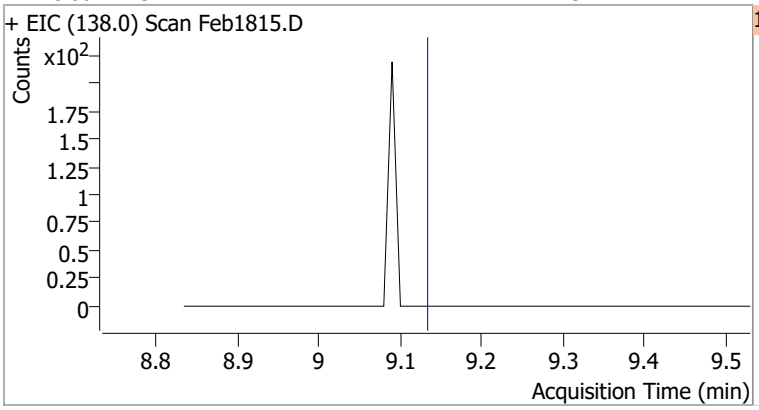


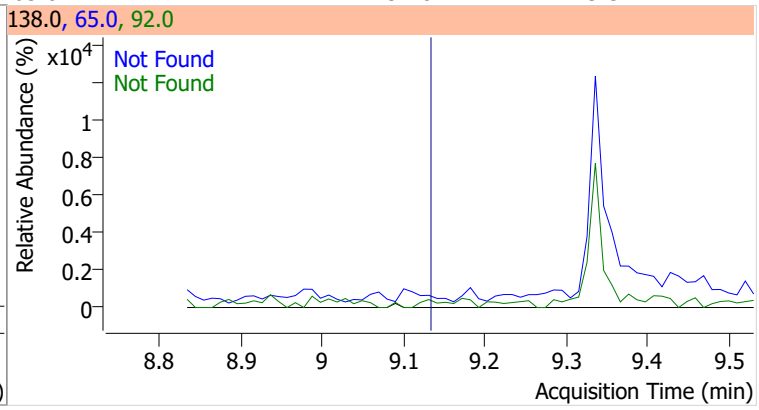
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



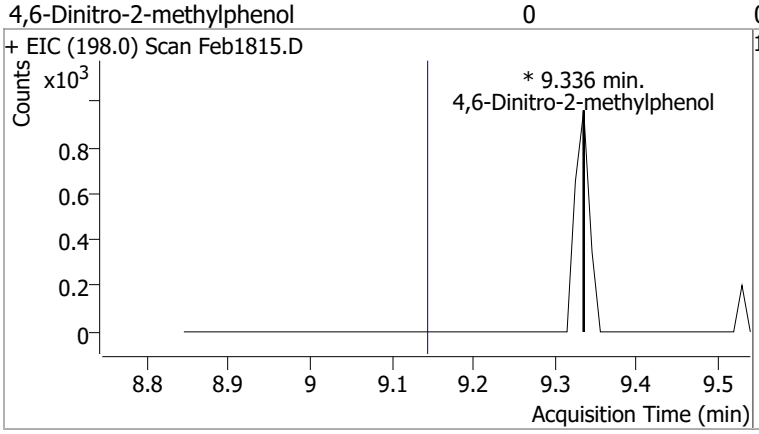


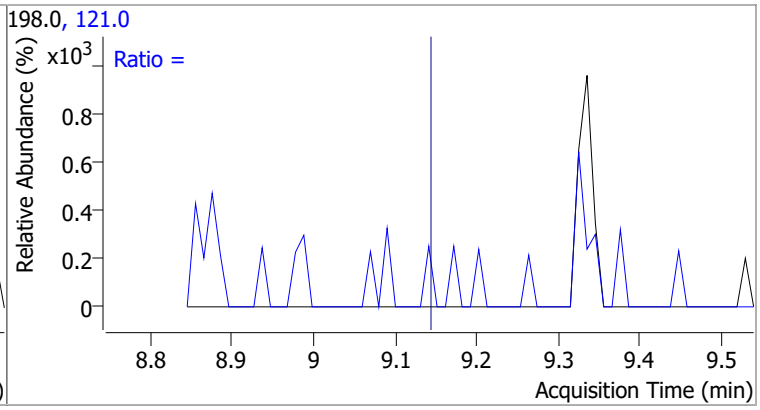
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



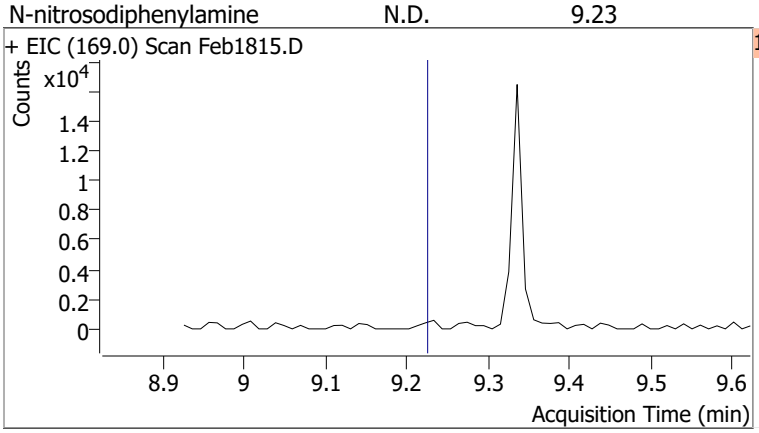


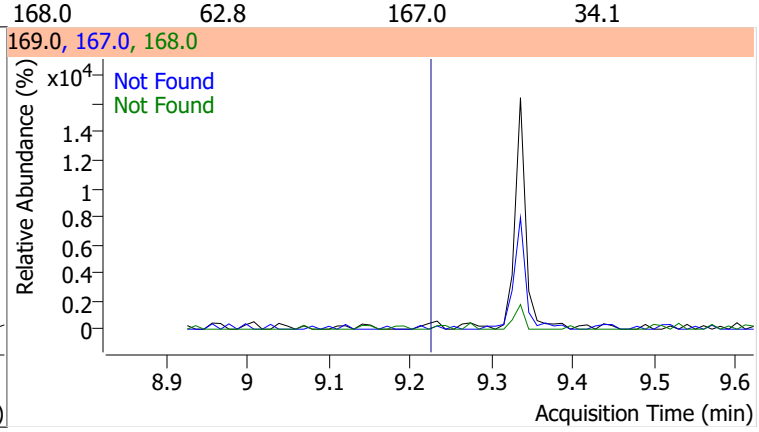
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



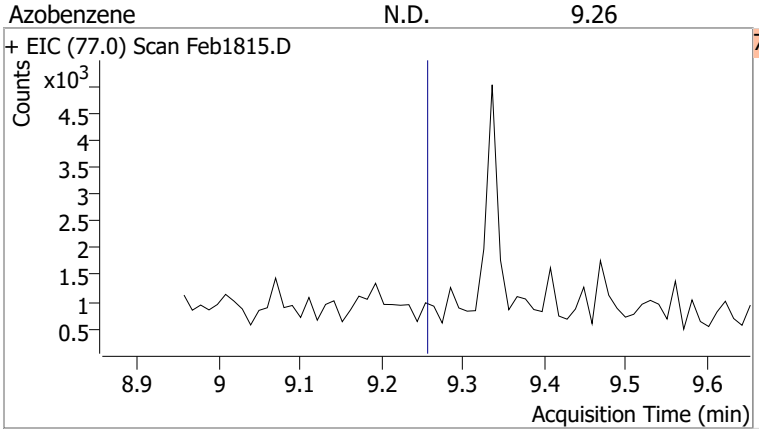


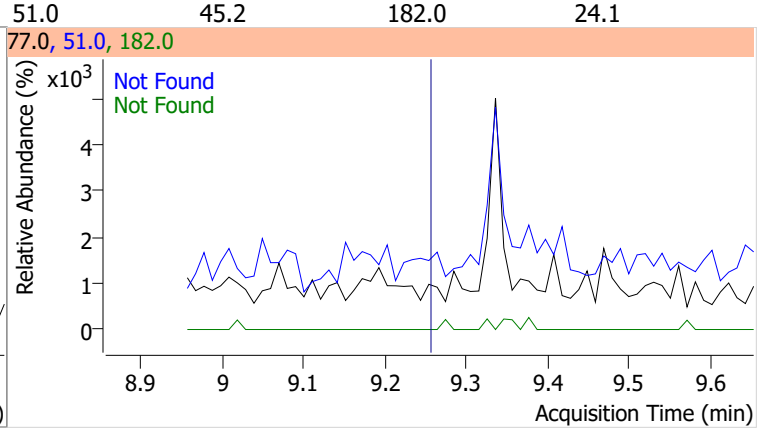
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1





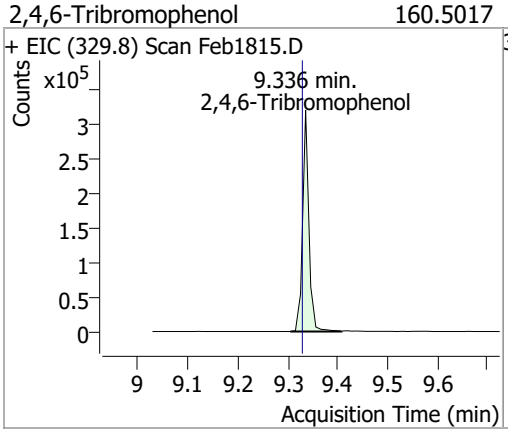
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

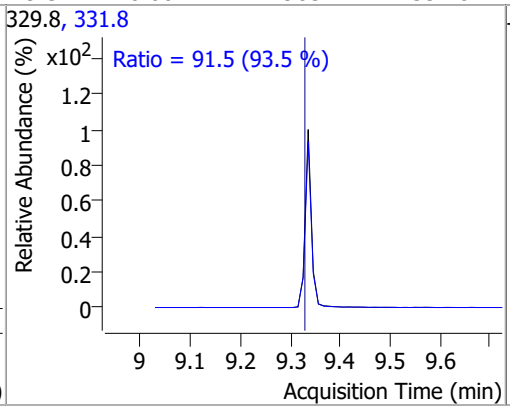


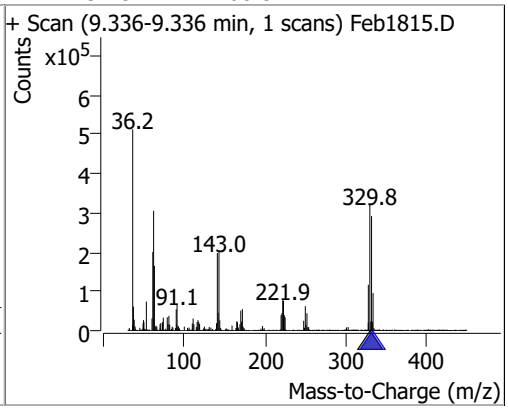


Quantitation Results Report (QT Reviewed)

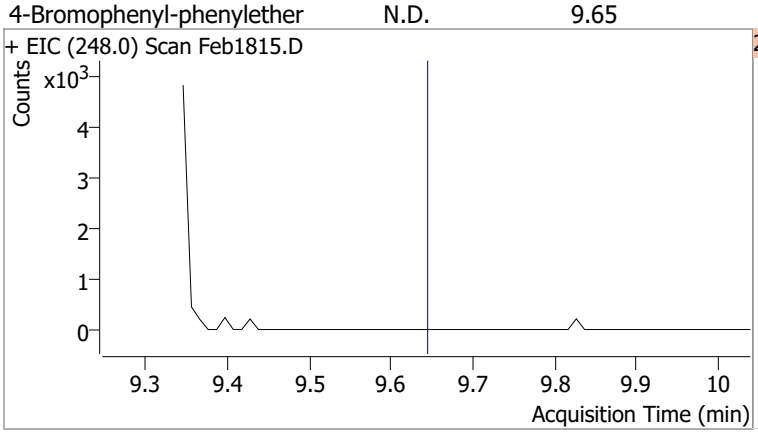
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	160.5017	9.34	0.00	279834	331.8	91.5	68.5	127.2

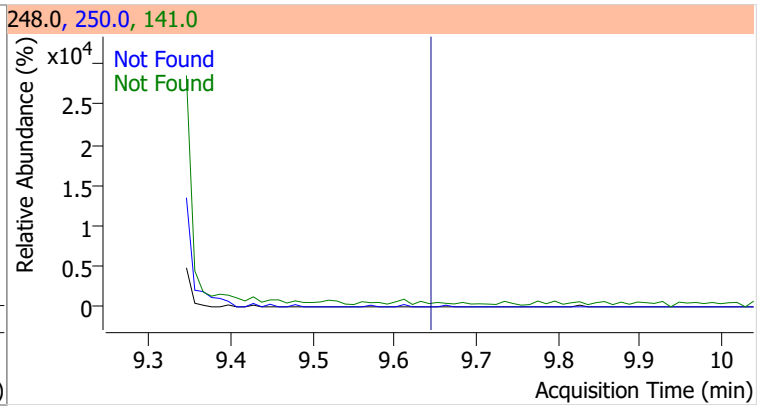




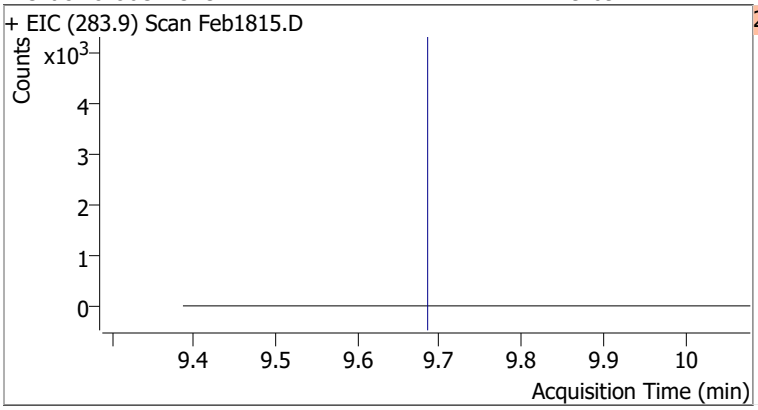


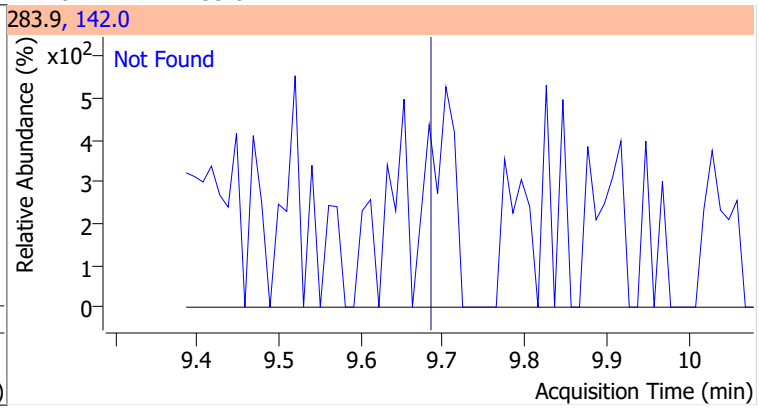
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



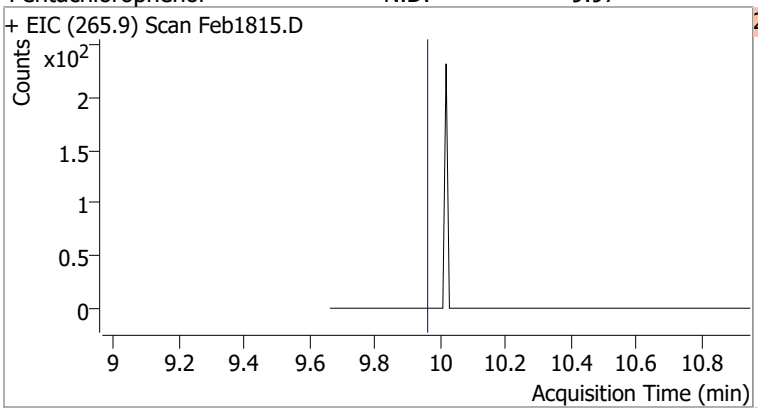


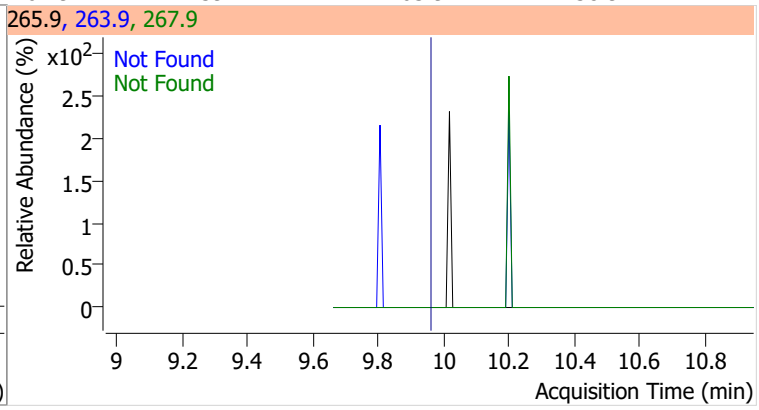
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



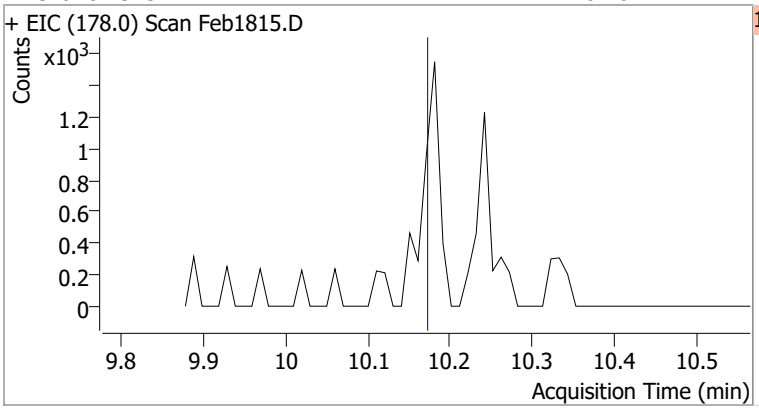


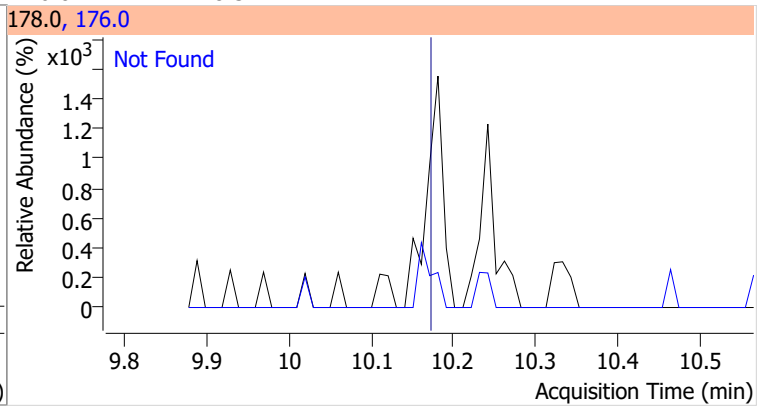
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



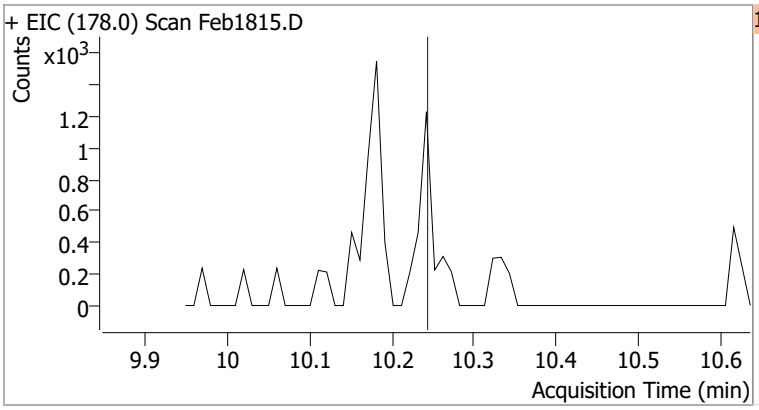


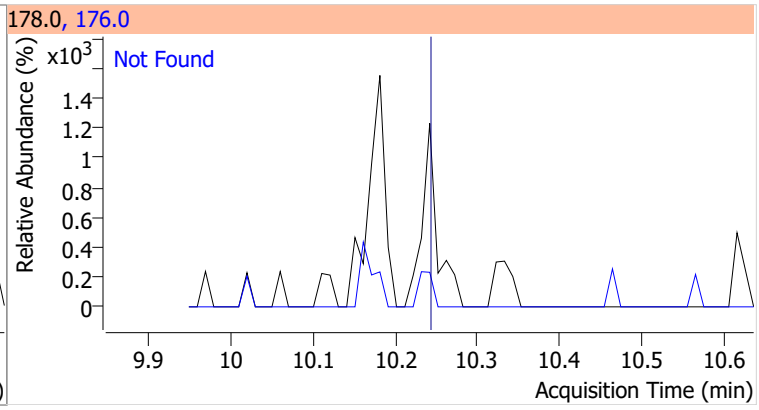
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



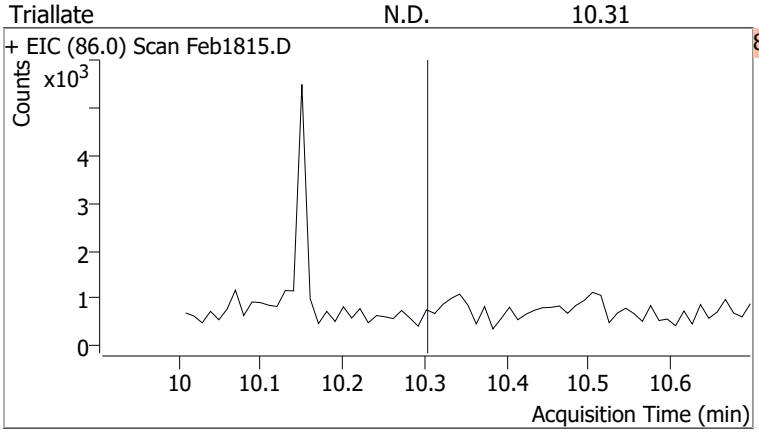


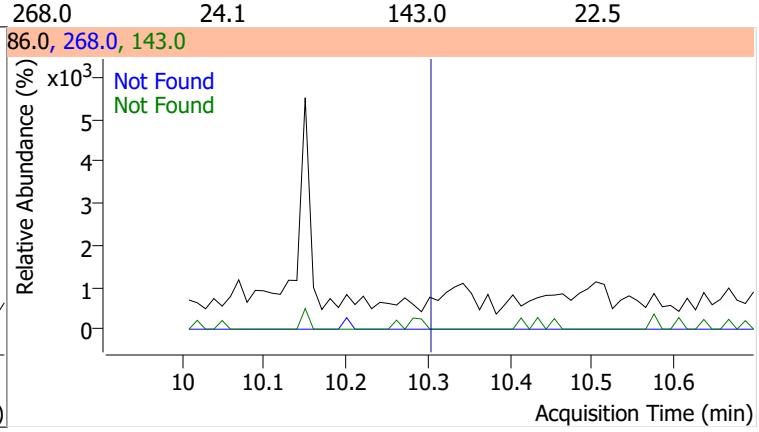
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



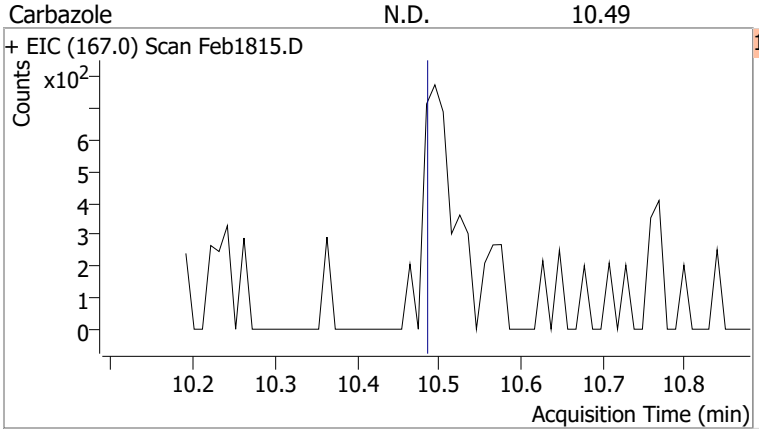


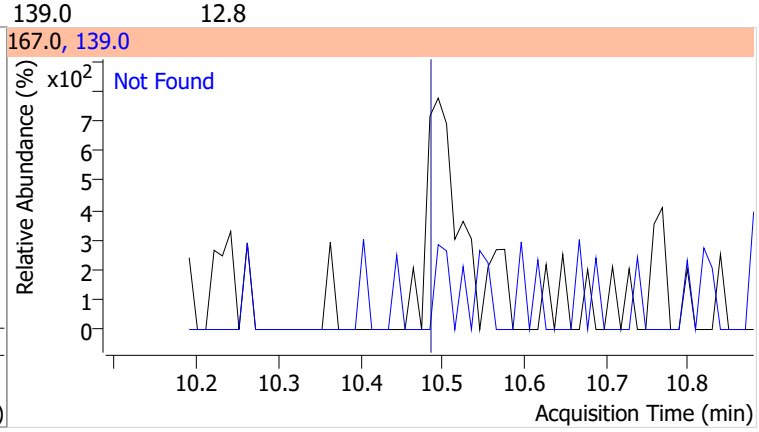
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



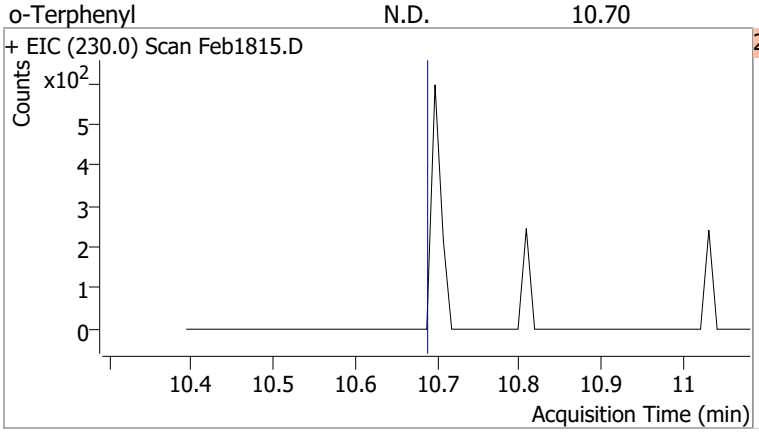


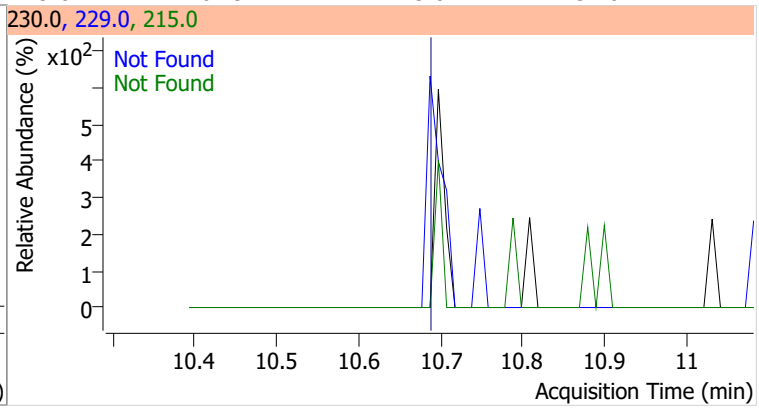
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



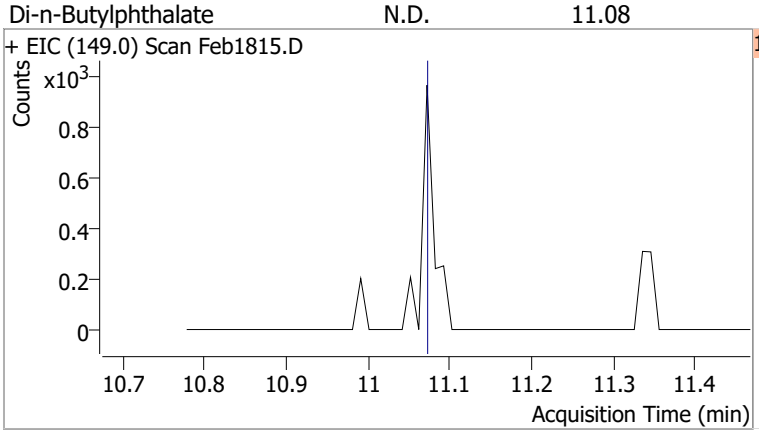


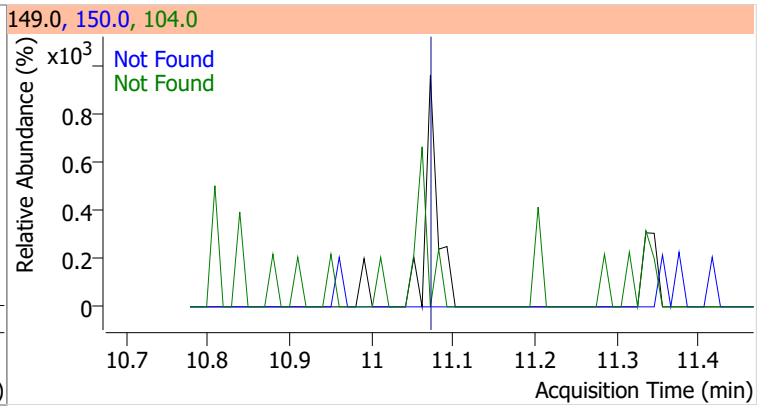
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



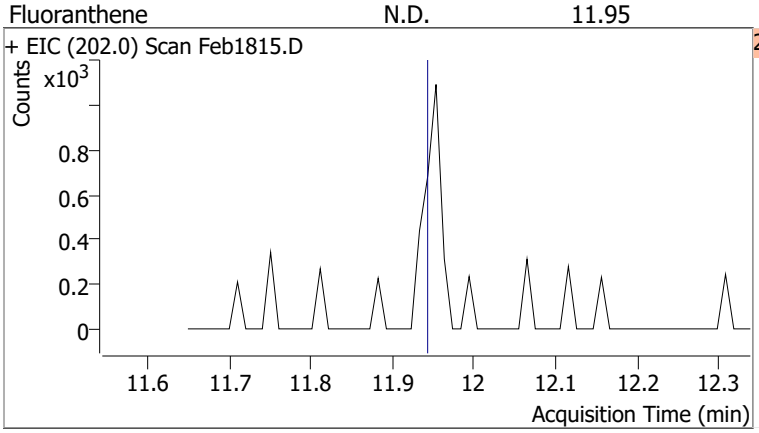


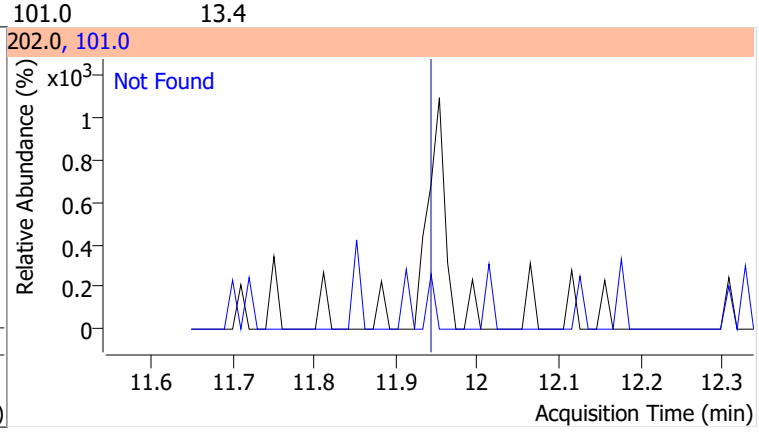
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



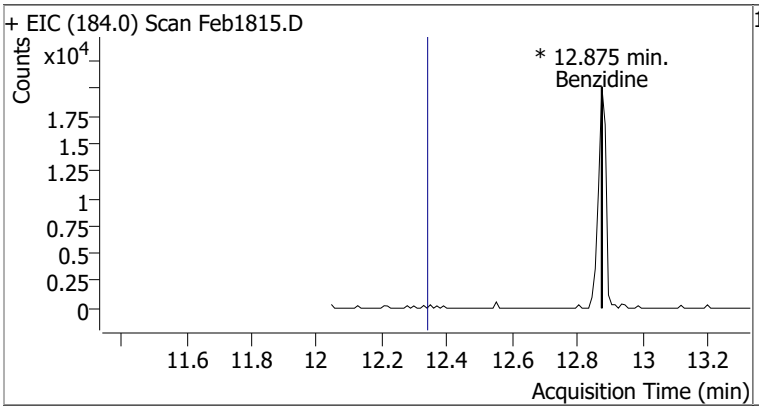


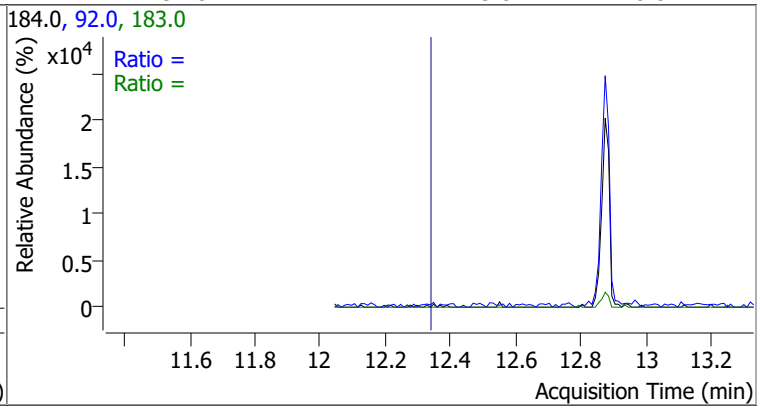
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



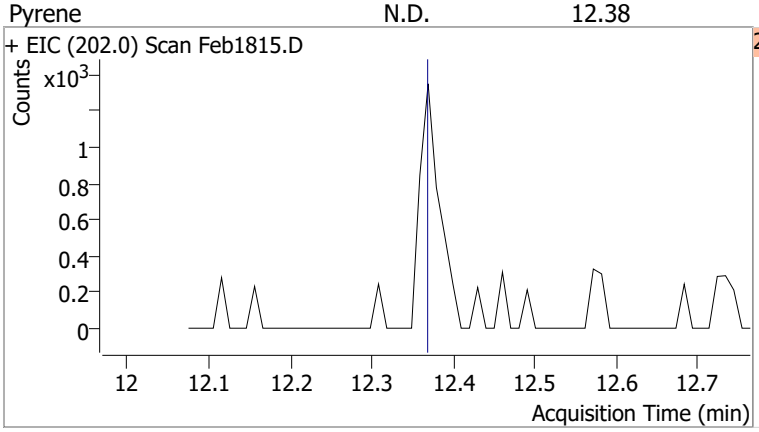


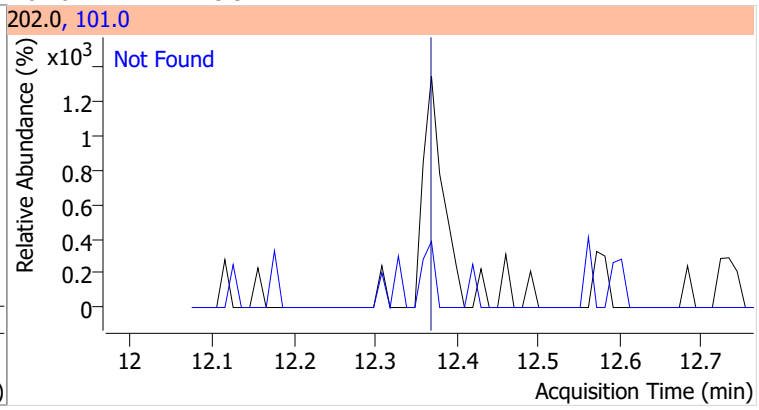
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



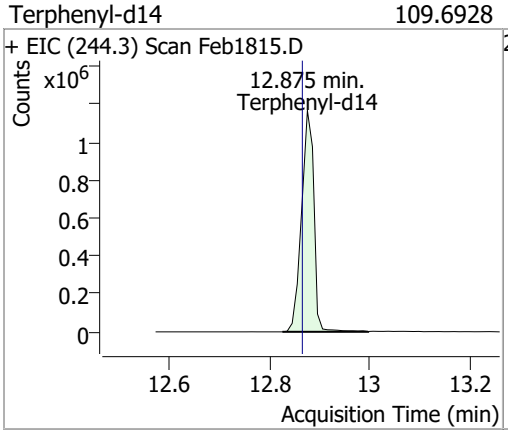


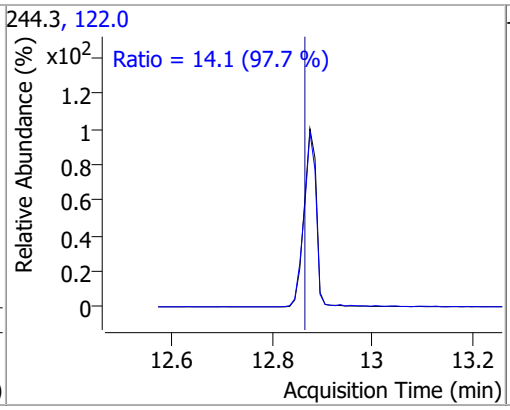
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

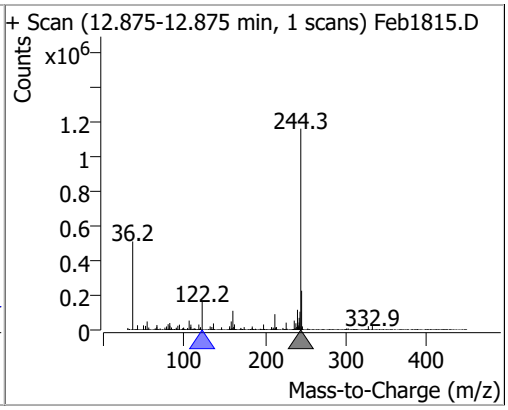




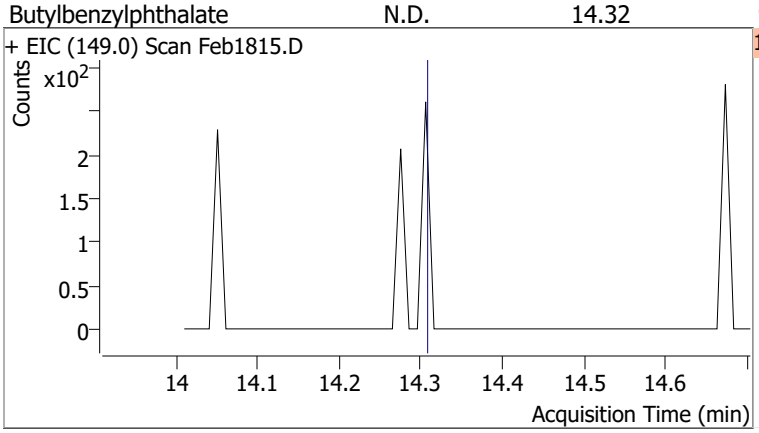
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	109.6928	12.88	0.00	2007009	122.0	14.1	10.1	18.7

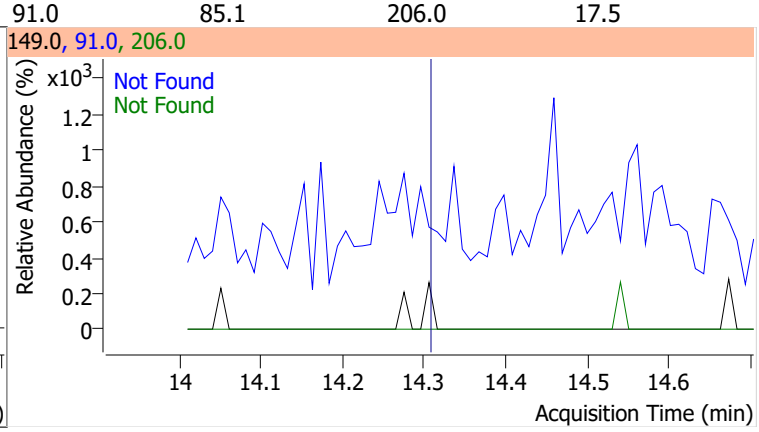




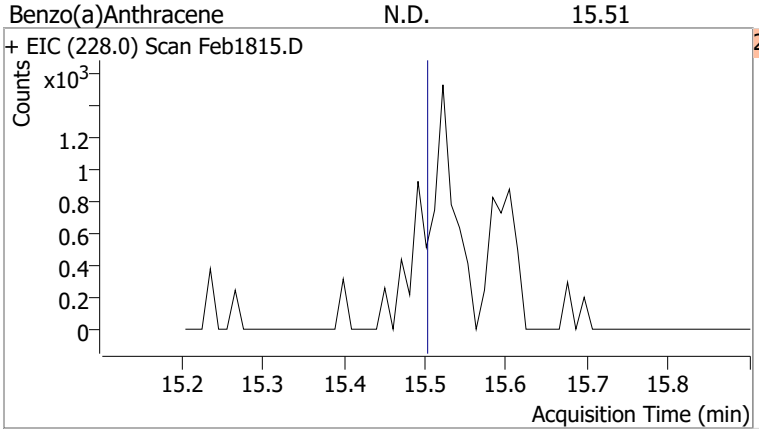


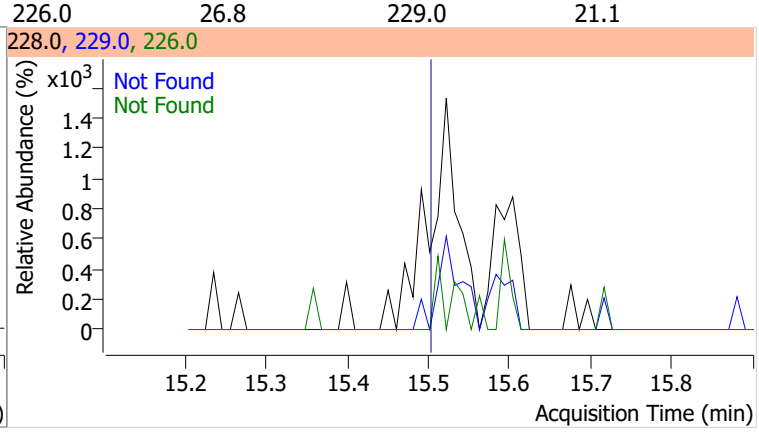
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



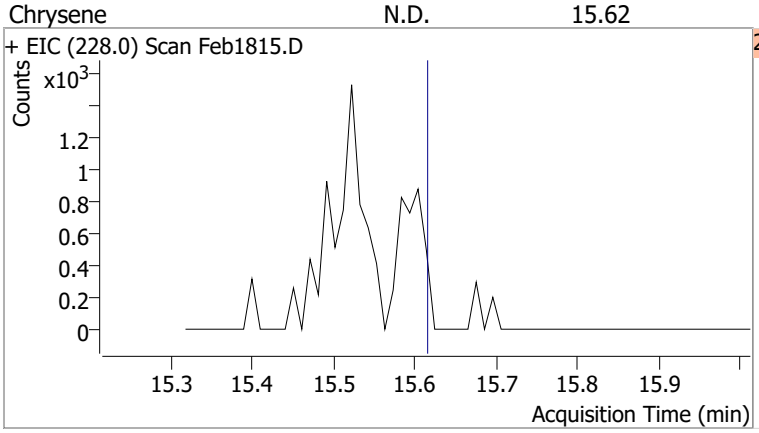


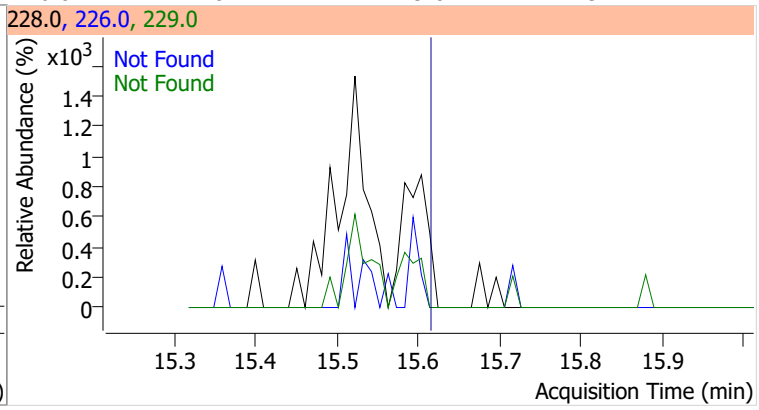
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



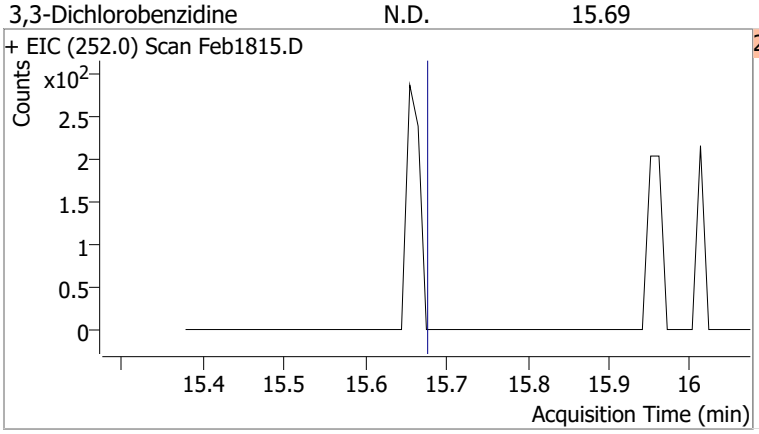


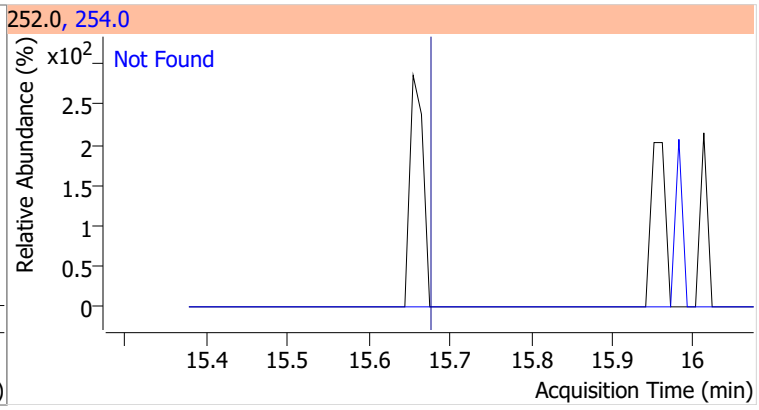
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



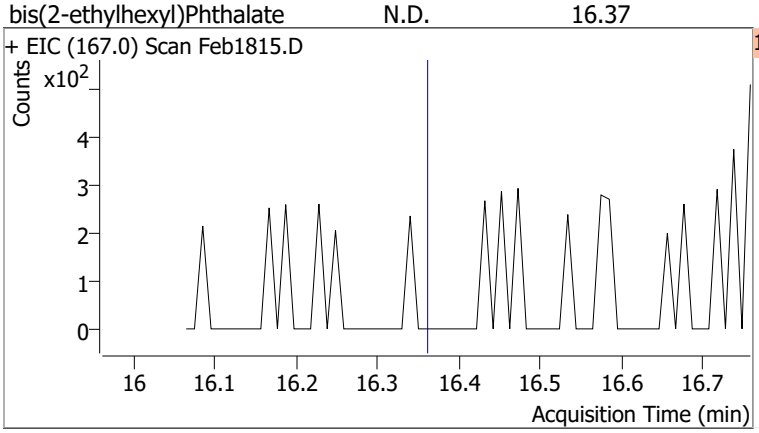


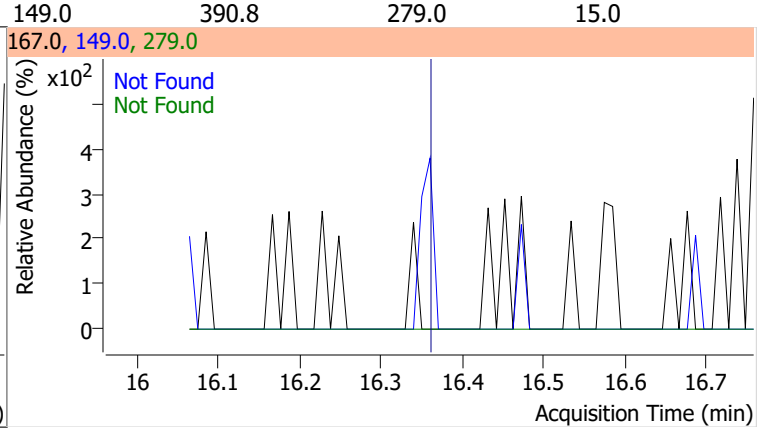
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



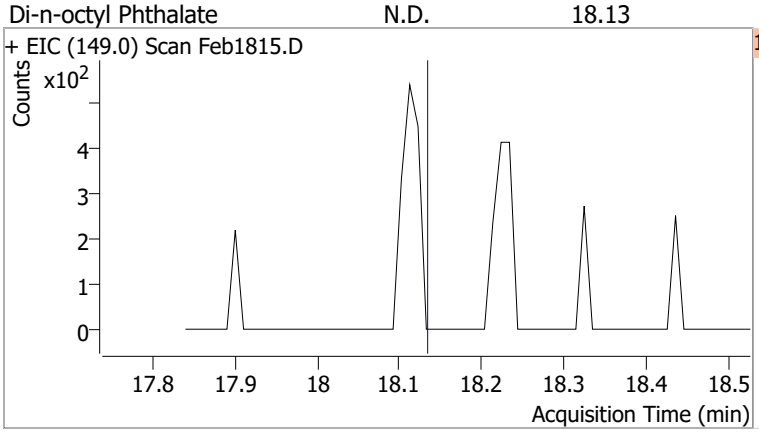


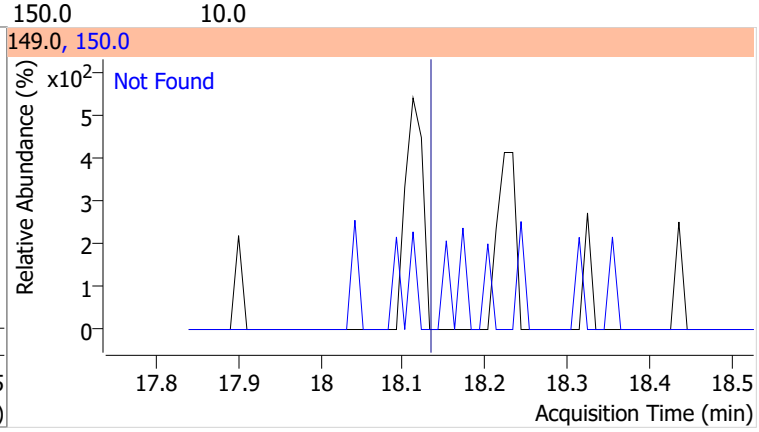
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



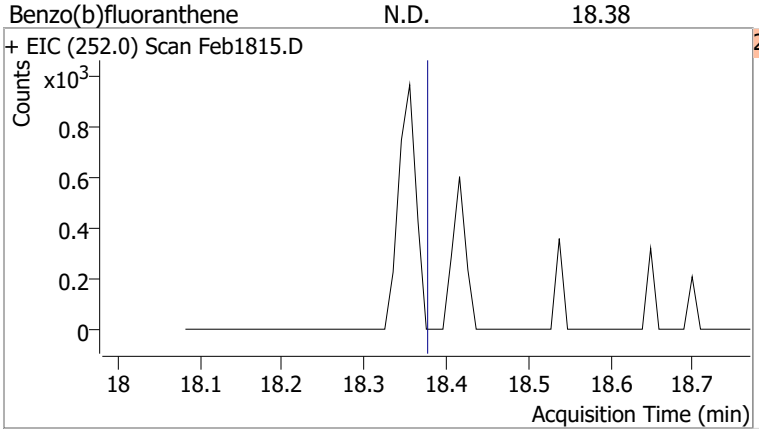


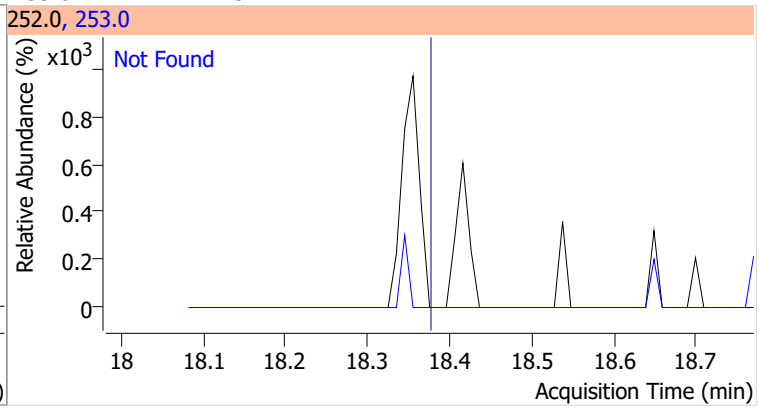
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



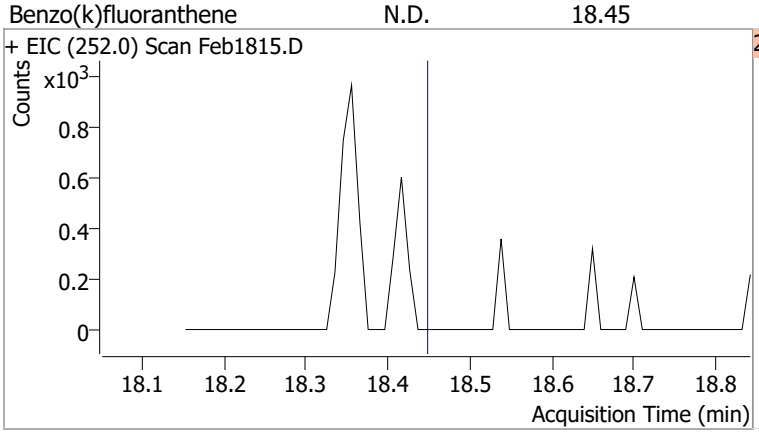


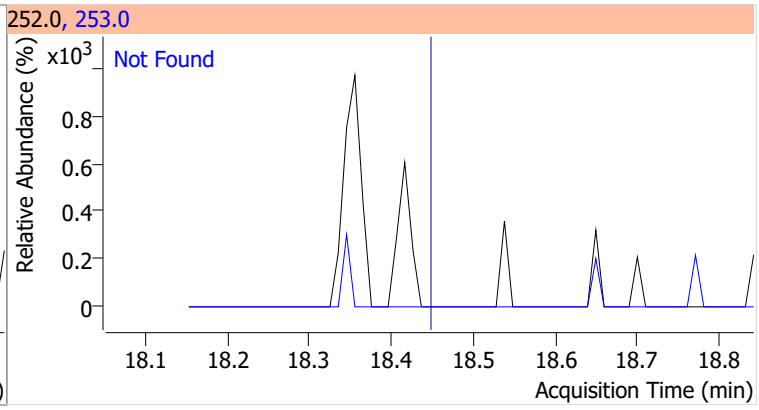
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



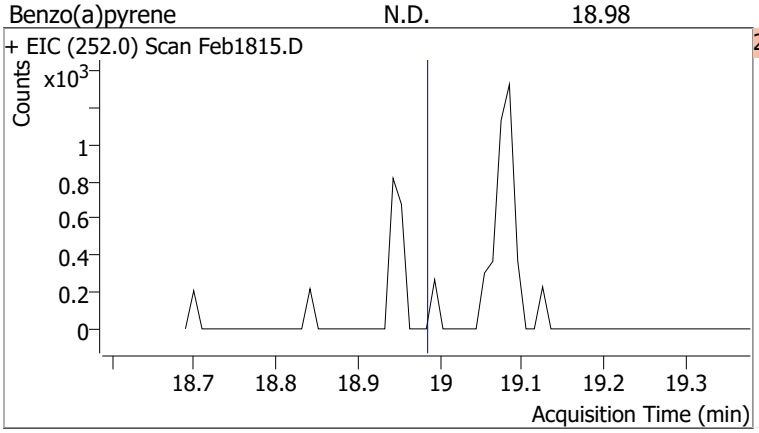


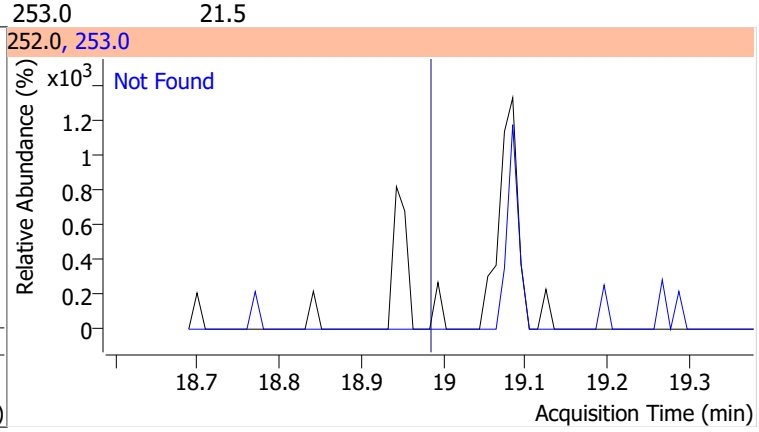
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



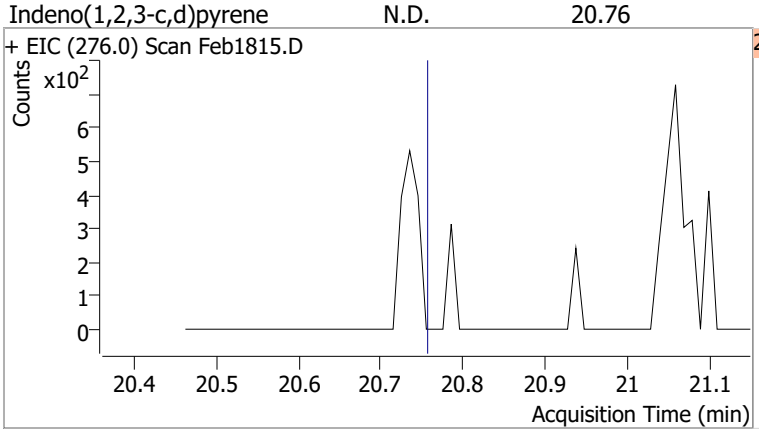


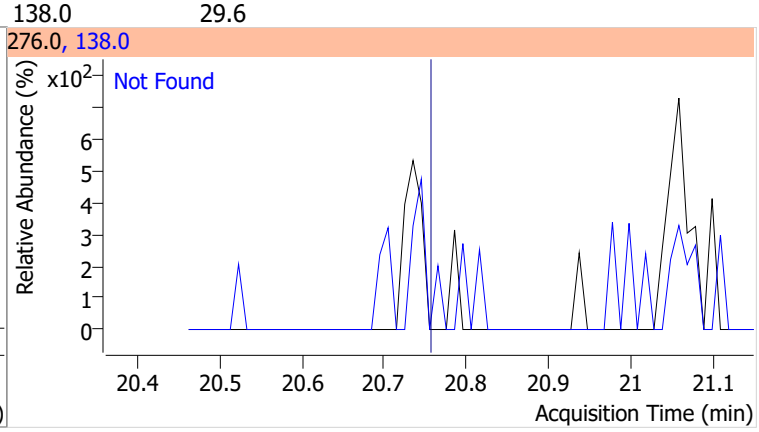
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



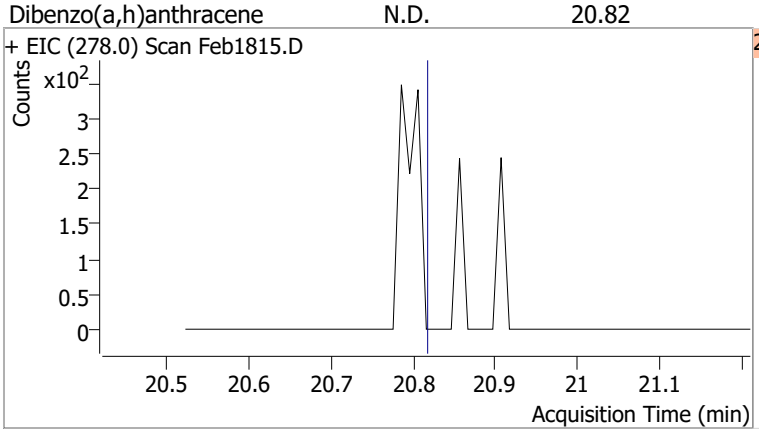


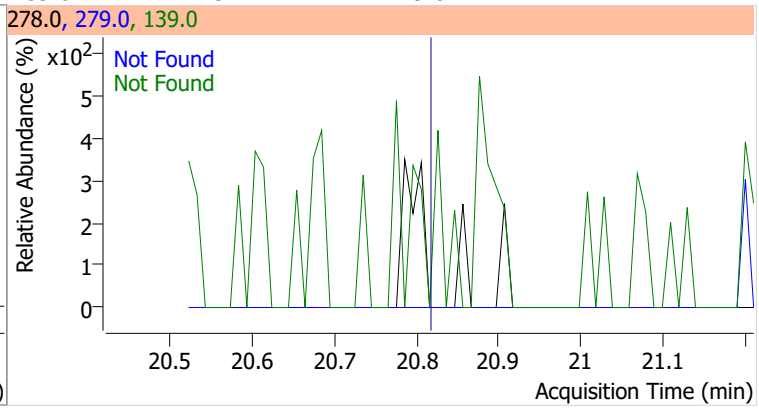
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



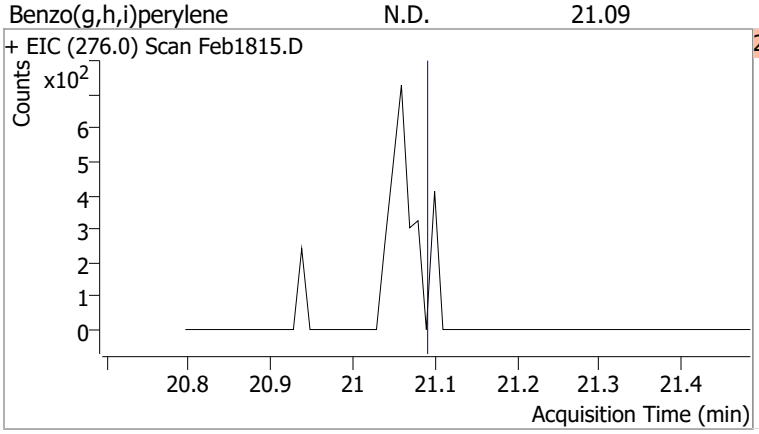


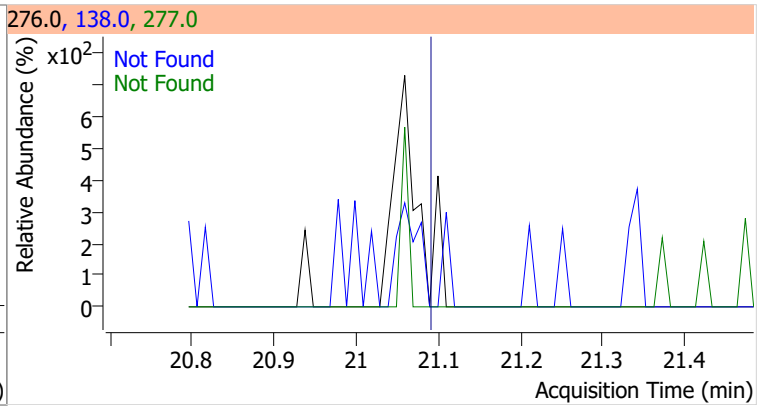
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





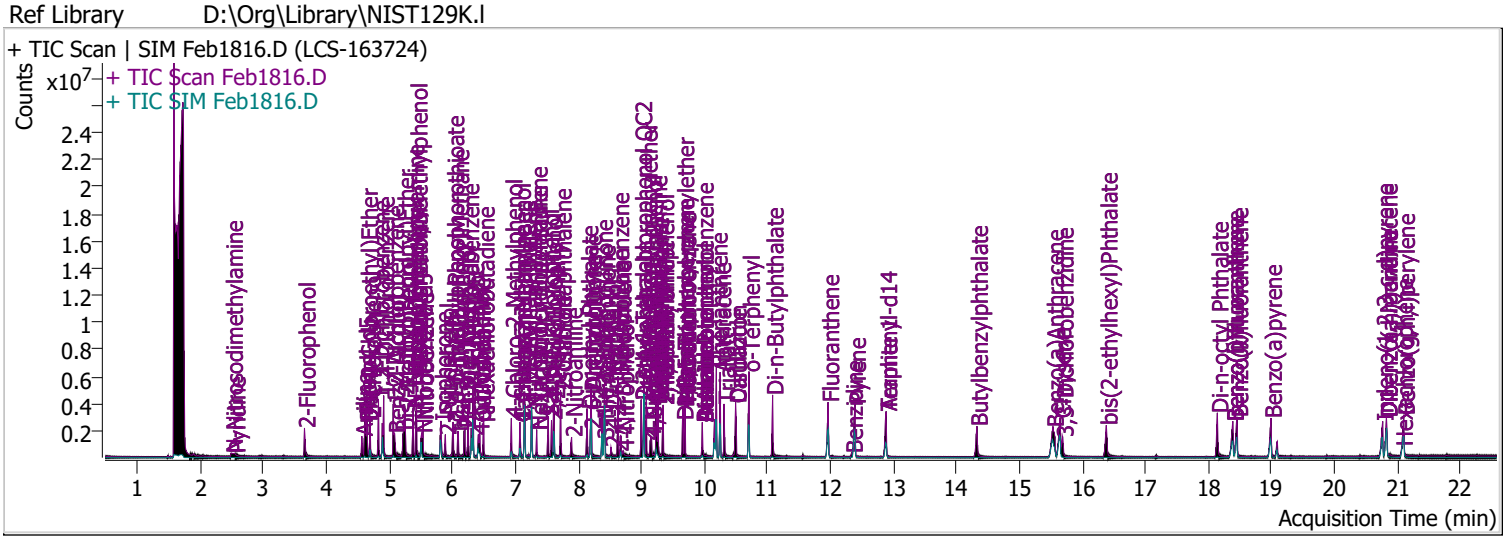
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1816.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 4:05:47 PM
Sample Name	LCS-163724	Instrument	Instrument #1
Vial	16	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



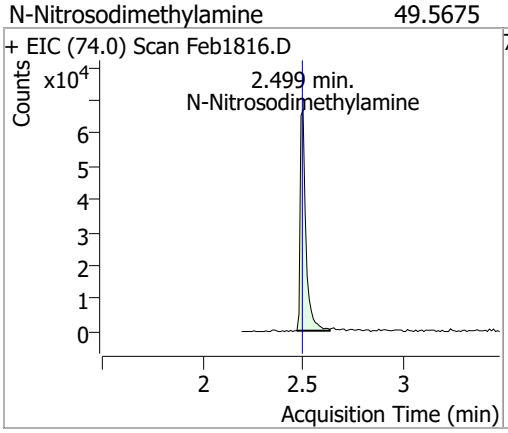
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	721287	78.2897	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 39.14%			
S Phenol-d5	4.613	99.0	959303	81.0766	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 40.54%			
S Nitrobenzene-d5	5.512	82.0	496809	75.3044	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 75.30%			
S 2-Fluorobiphenyl	7.615	172.0	1606095	86.6113	µg/L		0.010
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 86.61%			
S 2,4,6-Tribromophenol	9.346	329.8	344581	182.7258	µg/L		0.010
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 91.36%			
S Terphenyl-d14	12.885	244.3	1890224	99.7889	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 99.79%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.499	74.0	132233	49.5675	µg/L		97
T Pyridine	2.540	79.0	236191	34.7825	µg/L		98
T Aniline	4.562	93.0	718666	42.3950	µg/L	m	96
T Phenol	4.623	94.0	628400	48.0061	µg/L		91
T bis(-2-Chloroethyl)Ether	4.644	63.0	673446	75.5709	µg/L	m	96
T 2-Chlorophenol	4.695	128.0	710050	67.1948	µg/L		99
T 1,3-Dichlorobenzene	4.828	146.0	950762	70.1869	µg/L	m	98
T 1,4-Dichlorobenzene	4.909	146.0	924293	67.4122	µg/L	m	99
T 1,2-Dichlorobenzene	5.063	146.0	889485	67.1819	µg/L		97
T Benzyl Alcohol	5.083	108.0	334545	64.8569	µg/L		97
T bis(2-chloroisopropyl)Ether	5.226	121.0	230930	64.7289	µg/L		100
T 2-Methylphenol	5.246	107.0	689854	75.3135	µg/L		94
T N-nitroso-Di-n-propylamine	5.379	70.0	648358	100.5449	µg/L		98
T 4Methylphenol/3Methylphenol	5.430	107.0	944879	75.6937	µg/L		98
T Hexachloroethane	5.430	117.0	259597	64.6644	µg/L		98

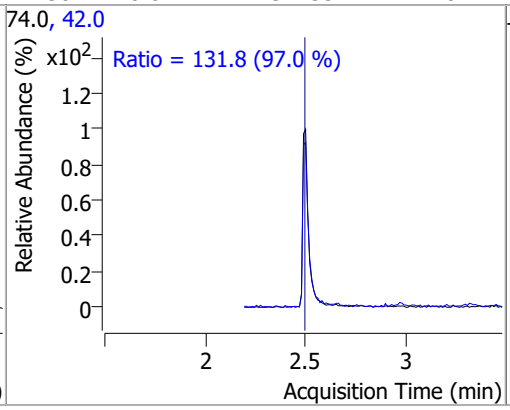
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.532	123.1	293453	88.7235	µg/L		98
T Isophorone	5.818	82.0	1289009	81.3276	µg/L		99
T 2-Nitrophenol	5.890	139.0	293902	82.2133	µg/L		98
T 2,4-Dimethylphenol	6.013	122.0	589838	80.0755	µg/L		98
T bis(-2-Chloroethoxy)Methane	6.095	93.0	788755	85.0692	µg/L		97
T 2,4-Dichlorophenol	6.198	162.0	528068	74.9634	µg/L		97
T Benzoic Acid	6.198	105.0	91311	28.6632	µg/L		86
T 1,2,4-Trichlorobenzene	6.249	180.0	619571	73.0803	µg/L		100
T Naphthalene	6.331	128.0	2090973	83.7566	µg/L		99
T 4-Chlorophenol	6.413	130.0	175506	66.4694	µg/L		99
T p-Chloroaniline	6.434	127.0	631810	63.8638	µg/L		97
T Hexachlorobutadiene	6.496	224.9	309403	70.6360	µg/L		99
T 4-Chloro-2-Methylphenol	6.937	107.0	541291	83.0057	µg/L	m	96
T 4-Chloro-3-Methylphenol	7.071	107.0	585346	85.8097	µg/L	m	97
T 2-Methylnaphthalene	7.153	141.0	1247204	87.3370	µg/L		98
T 1-Methylnaphthalene	7.256	141.0	1067616	76.9002	µg/L	m	98
T Hexachlorocyclopentadiene	7.338	236.9	203656	77.8774	µg/L		96
T 2,4,6-Trichlorophenol	7.523	196.0	416677	90.6601	µg/L	m	96
T 2,4,5-Trichlorophenol	7.574	196.0	423746	82.8088	µg/L	m	95
T 2-Chloronaphthalene	7.718	162.0	1288800	82.8006	µg/L		97
T 2-Nitroaniline	7.892	65.0	258428	92.4304	µg/L		97
T Dimethyl Phthalate	8.139	163.0	1523524	95.8472	µg/L		96
T 2,6-Dinitrotoluene	8.190	165.0	182491	84.7267	µg/L		94
T Acenaphthylene	8.200	152.1	2135675	85.8553	µg/L		99
T 3-Nitroaniline	8.394	138.0	182072	74.9042	µg/L		98
T Acenaphthene	8.415	154.0	1283172	90.6285	µg/L		100
T 2,4-Dinitrophenol	8.517	184.0	97120	87.3775	µg/L		96
T Dibenzofuran	8.630	168.0	2089603	90.4568	µg/L		97
T 2,4-Dinitrotoluene	8.671	165.0	251542	91.6677	µg/L		97
T 4-Nitrophenol	8.712	109.0	87507	35.8244	µg/L		97
T Diethylphthalate	8.998	149.0	1511372	91.8115	µg/L		99
T Fluorene	9.039	166.0	1614179	86.4198	µg/L		99
T 4-Chlorophenyl-phenylether	9.080	204.0	842337	98.9256	µg/L		96
T 4-Nitroaniline	9.141	138.0	231827	87.3097	µg/L		95
T 4,6-Dinitro-2-methylphenol	9.162	198.0	148340	90.2228	µg/L		99
T N-nitrosodiphenylamine	9.233	169.0	1205943	96.9653	µg/L		99
T Azobenzene	9.264	77.0	1390559	84.3975	µg/L		93
T 4-Bromophenyl-phenylether	9.663	248.0	467477	97.3942	µg/L		99
T Hexachlorobenzene	9.694	283.9	443718	93.1678	µg/L		100
T Pentachlorophenol	9.968	265.9	238505	101.7675	µg/L		94
T Phenanthrene	10.191	178.0	2456282	96.6684	µg/L		100
T Anthracene	10.252	178.0	2343786	96.4654	µg/L	m	98
T Triallate	10.313	86.0	557371	93.9925	µg/L		100
T Carbazole	10.495	167.0	2380539	96.3496	µg/L		99
T o-Terphenyl	10.708	230.0	1265554	92.9410	µg/L		99
T Di-n-Butylphthalate	11.082	149.0	2425933	99.9731	µg/L		100
T Fluoranthene	11.964	202.0	2439462	94.4396	µg/L		100
T Benzidine	12.338	184.0	188674	20.2375	µg/L		98
T Pyrene	12.389	202.0	2592219	92.2453	µg/L		99
T Butylbenzylphthalate	14.326	149.0	822113	95.5304	µg/L		98
T Benzo(a)Anthracene	15.532	228.0	2173145	100.2859	µg/L		99
T Chrysene	15.645	228.0	2297117	95.3801	µg/L		98
T 3,3-Dichlorobenzidine	15.686	252.0	566118	74.3920	µg/L		98
T bis(2-ethylhexyl)Phthalate	16.381	167.0	291197	97.4358	µg/L		99
T Di-n-octyl Phthalate	18.143	149.0	2030132	97.2895	µg/L		99

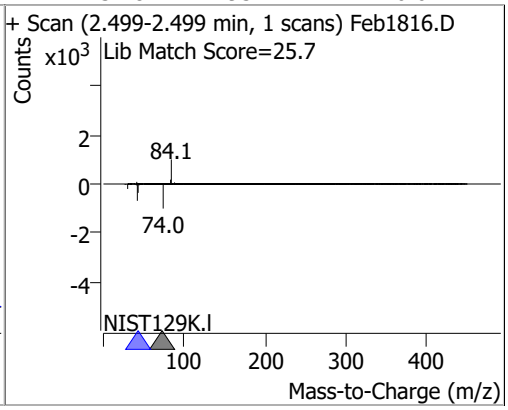
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.386	252.0	1997422	92.0372	µg/L	100
T Benzo(k)fluoranthene	18.457	252.0	2081903	90.6541	µg/L	99
T Benzo(a)pyrene	18.993	252.0	1829561	88.4845	µg/L	98
T Indeno(1,2,3-c,d)pyrene	20.765	276.0	1578527	91.1159	µg/L	97
T Dibenzo(a,h)anthracene	20.826	278.0	1757287	92.9687	µg/L	99
T Benzo(g,h,i)perylene	21.100	276.0	1834971	91.7932	µg/L	97

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

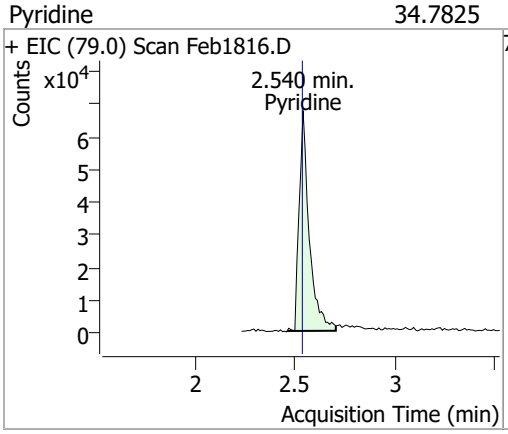
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	49.5675	2.50	0.01	132233	42.0	131.8	95.1	176.6

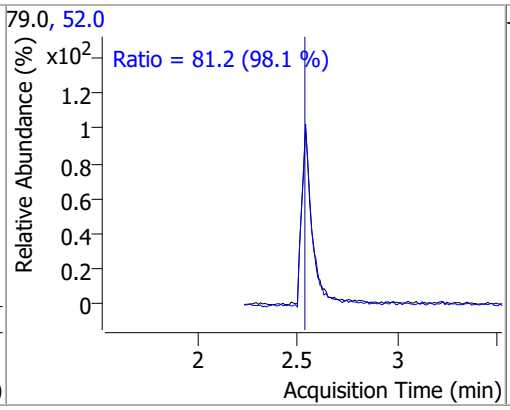


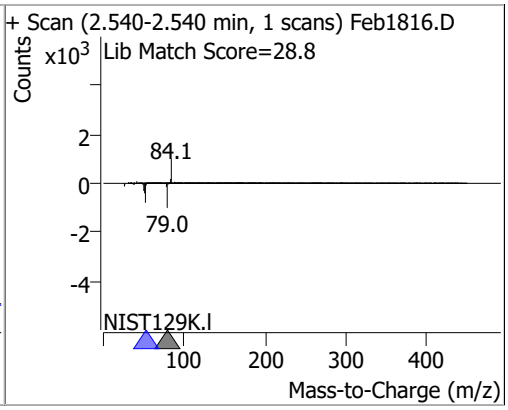




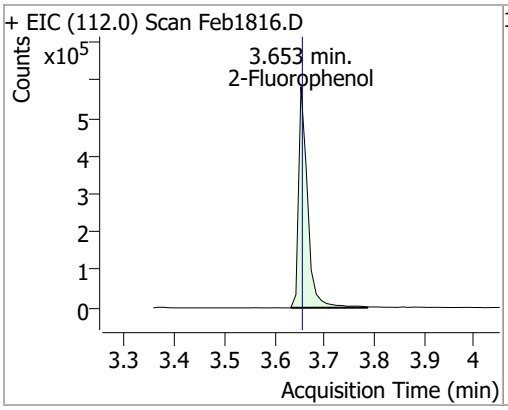
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	34.7825	2.54	0.01	236191	52.0	81.2	57.9	107.6

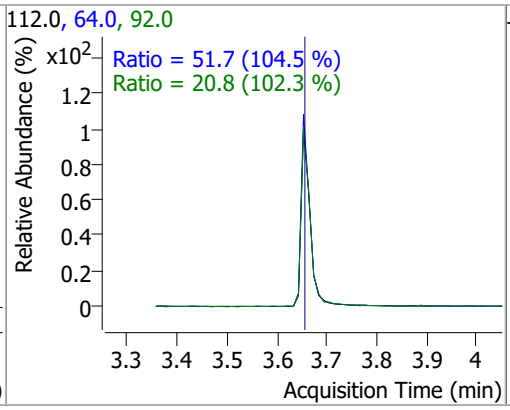


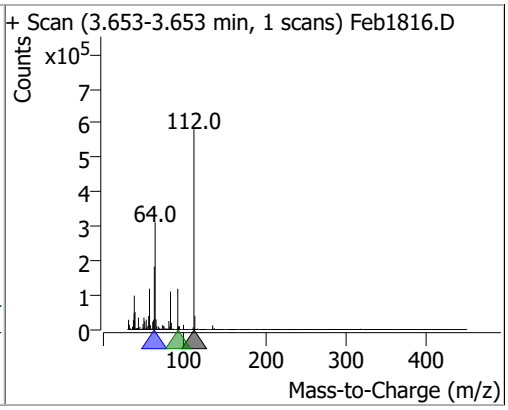




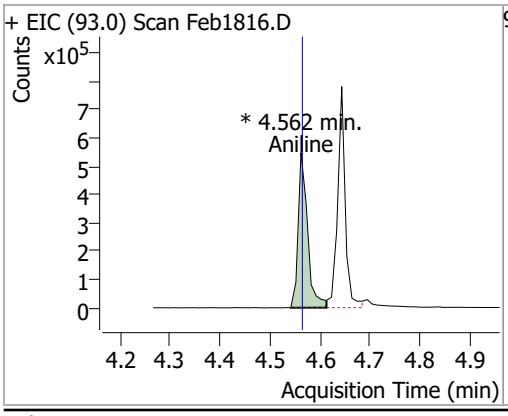
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	78.2897	3.65	0.00	721287	64.0	51.7	34.6	64.3
					92.0	20.8	14.2	26.5

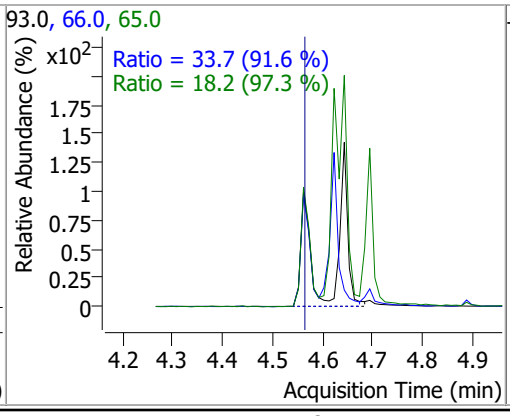


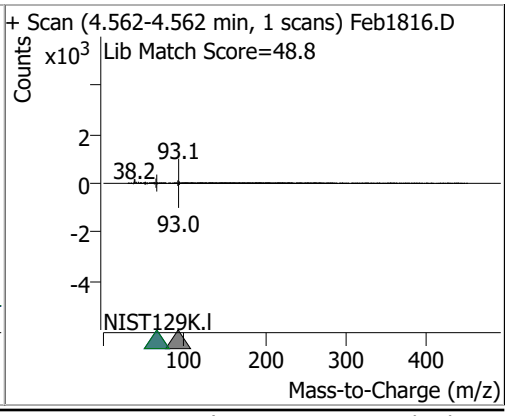




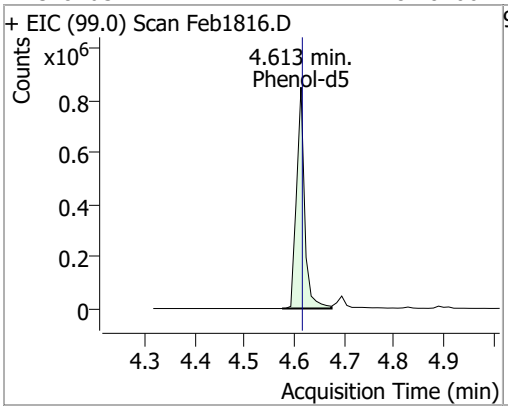
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	42.3950	4.56	0.00	718666 (m)	66.0	33.7	25.7	47.8
					65.0	18.2	13.1	24.4

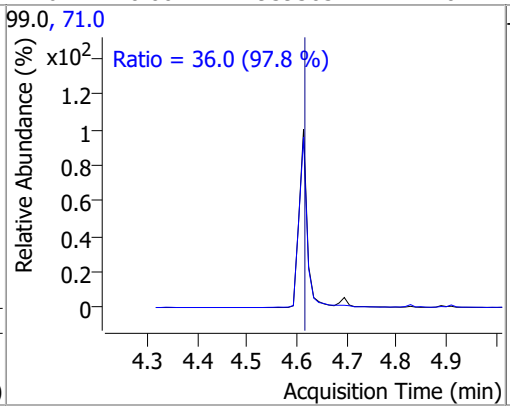


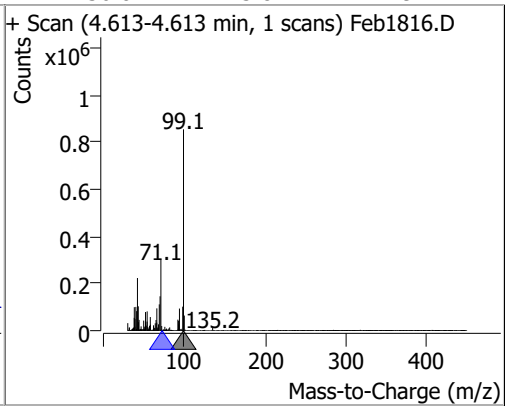




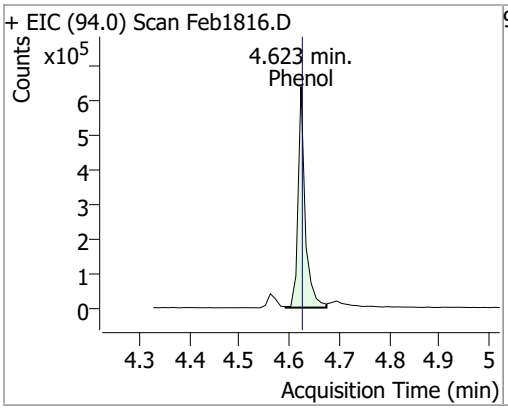
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	81.0766	4.61	0.00	959303	71.0	36.0	25.8	47.9

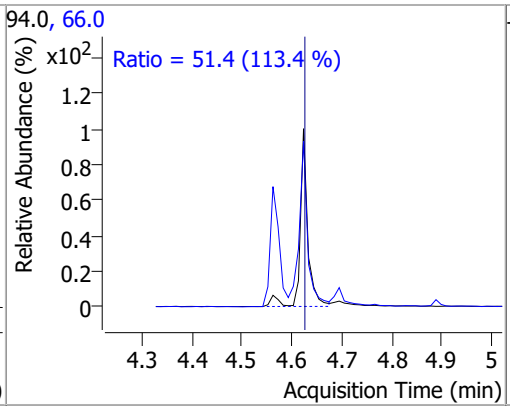


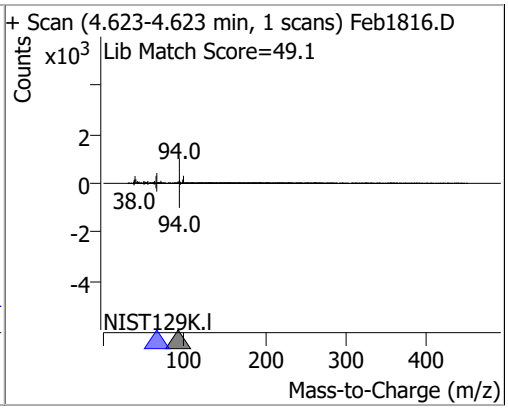




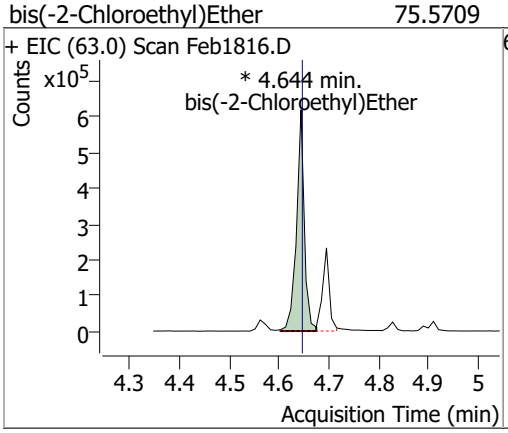
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	48.0061	4.62	0.00	628400	66.0	51.4	31.7	58.9

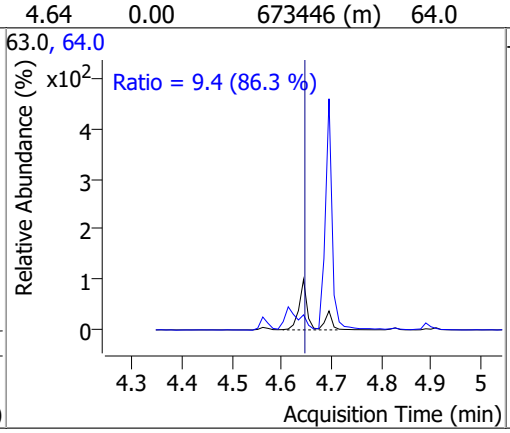


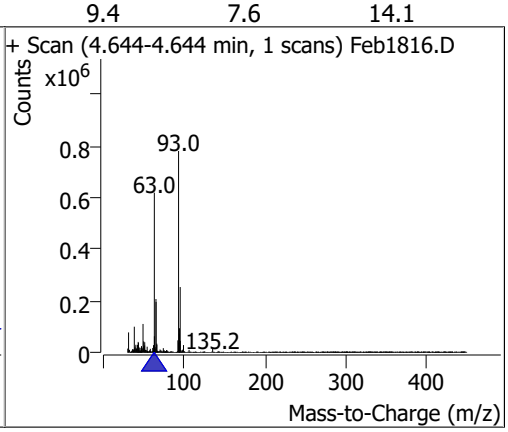




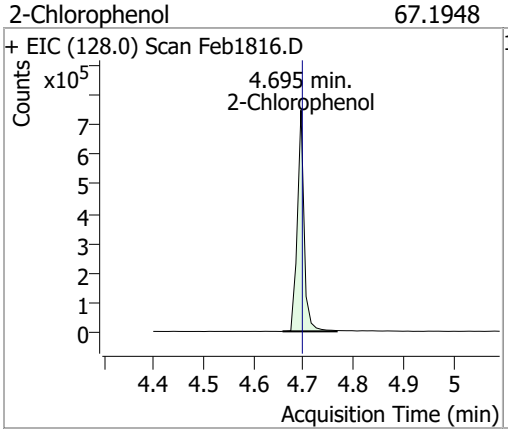
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	75.5709	4.64	0.00	673446 (m)	64.0	9.4	7.6	14.1

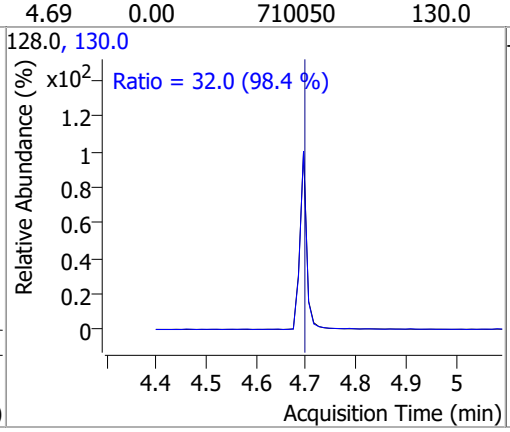


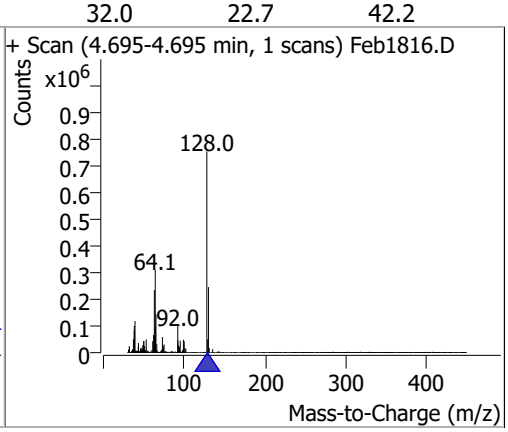




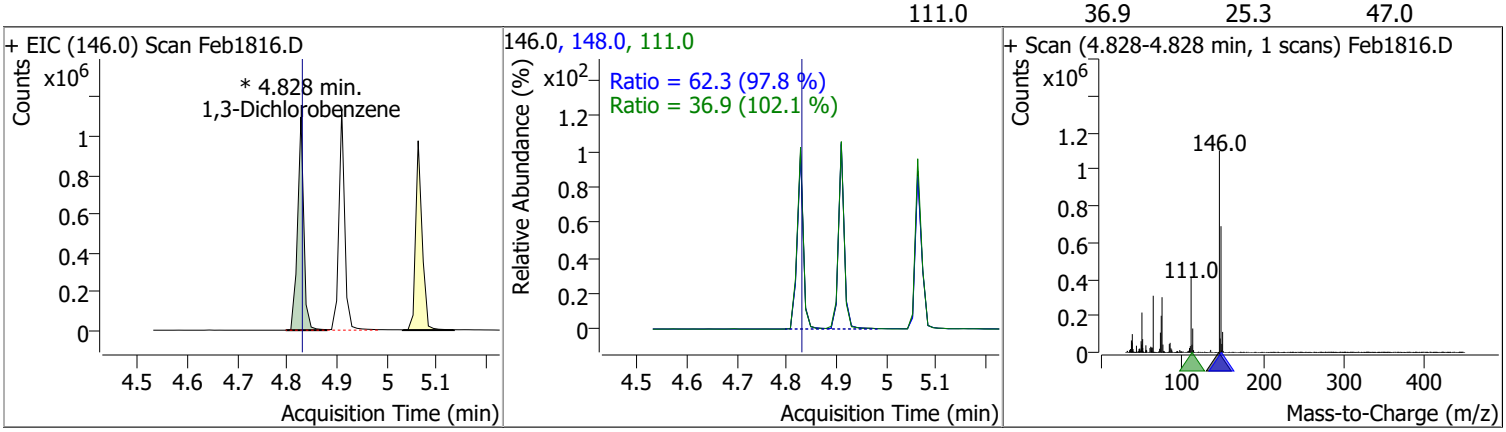
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	67.1948	4.69	0.00	710050	130.0	32.0	22.7	42.2



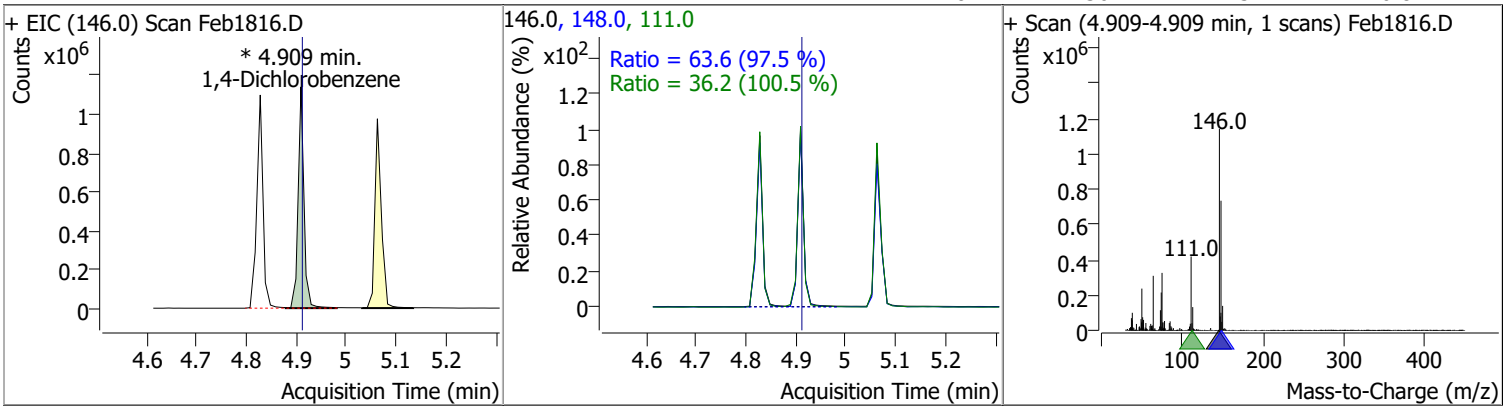




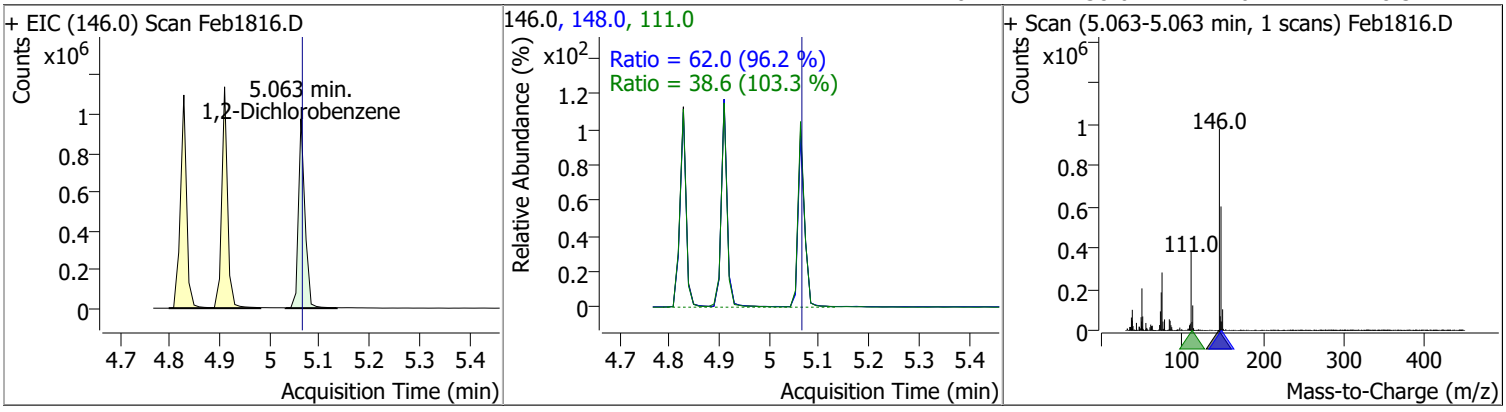
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	70.1869	4.83	0.00	950762 (m)	148.0	62.3	44.6	82.8
					111.0	36.9	25.3	47.0



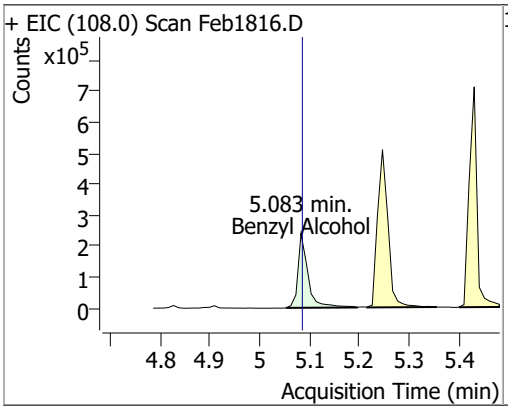
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	67.4122	4.91	0.00	924293 (m)	148.0	63.6	45.6	84.8
					111.0	36.2	25.2	46.8

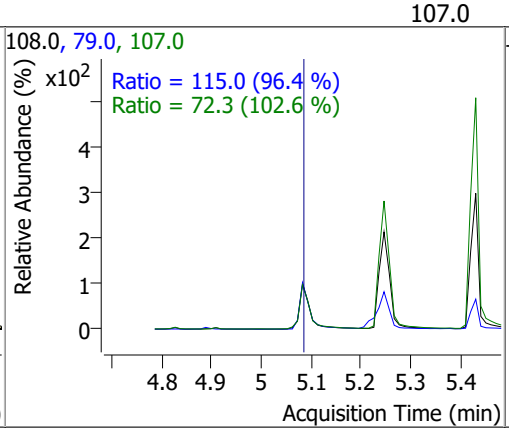


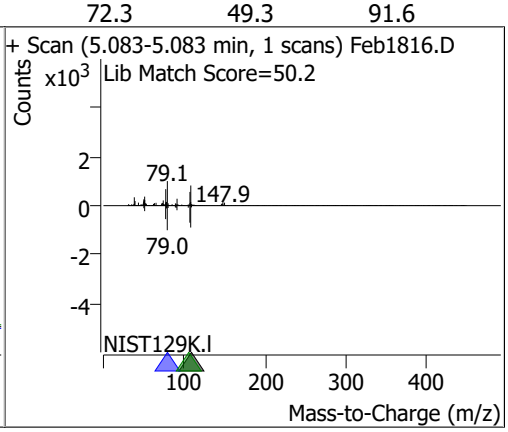
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	67.1819	5.06	0.00	889485	148.0	62.0	45.1	83.8
					111.0	38.6	26.1	48.5



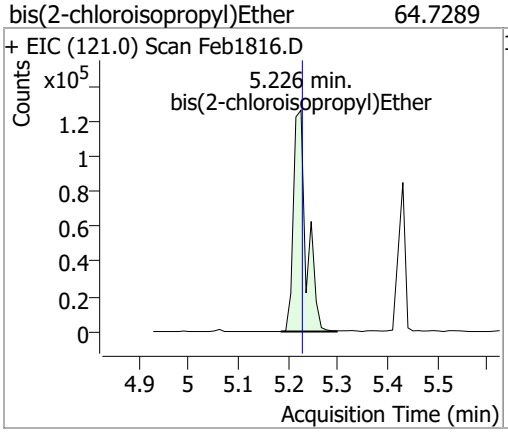
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	64.8569	5.08	0.00	334545	79.0	115.0	83.5	155.1
					107.0	72.3	49.3	91.6

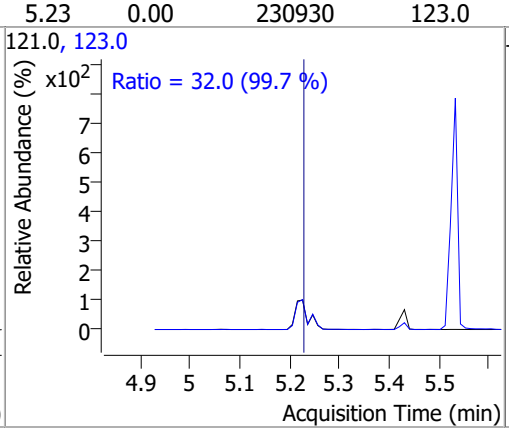


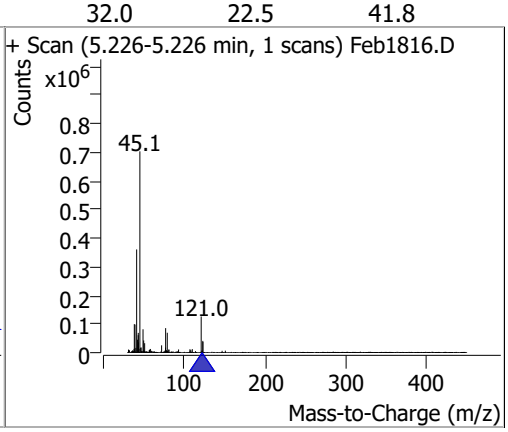




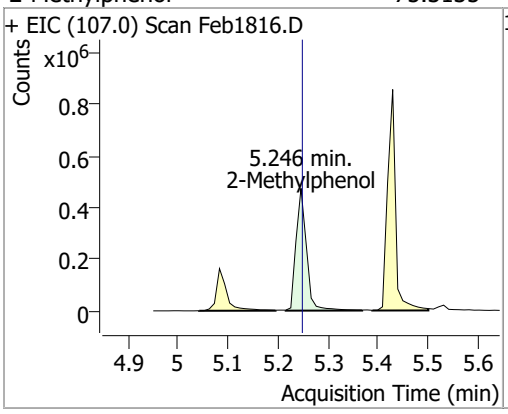
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	64.7289	5.23	0.00	230930	123.0	32.0	22.5	41.8

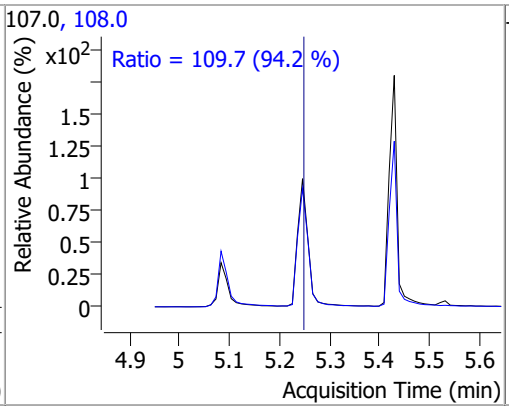


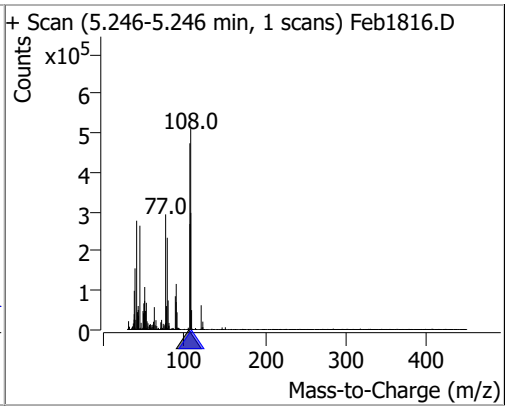




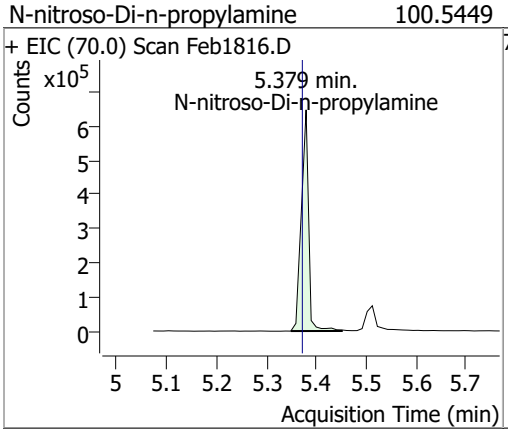
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	75.3135	5.25	0.00	689854	108.0	109.7	81.5	151.4

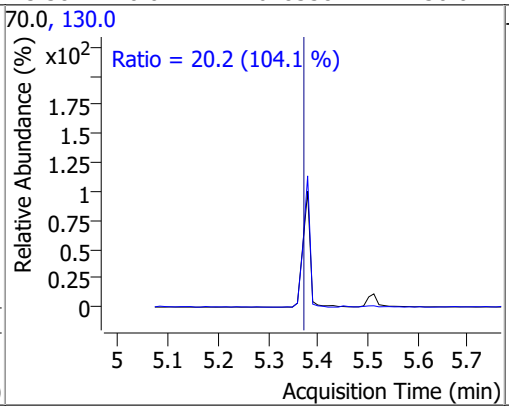


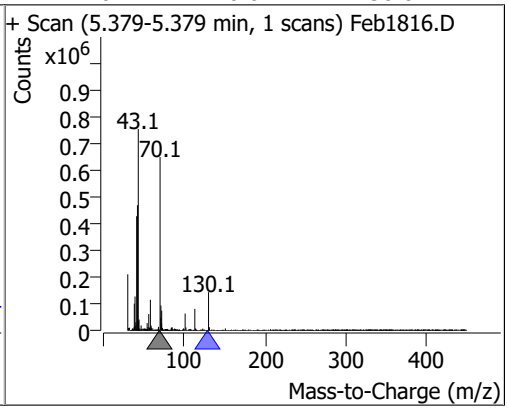




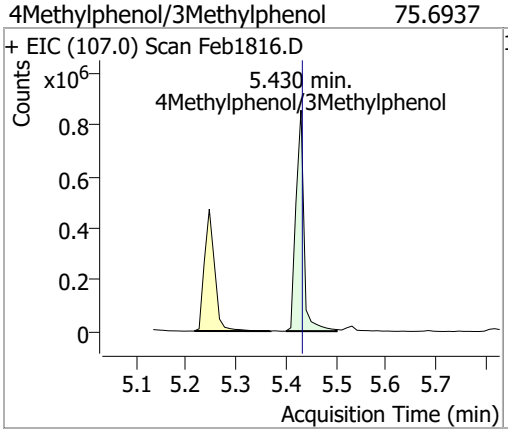
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	100.5449	5.38	0.01	648358	130.0	20.2	0.0	38.8

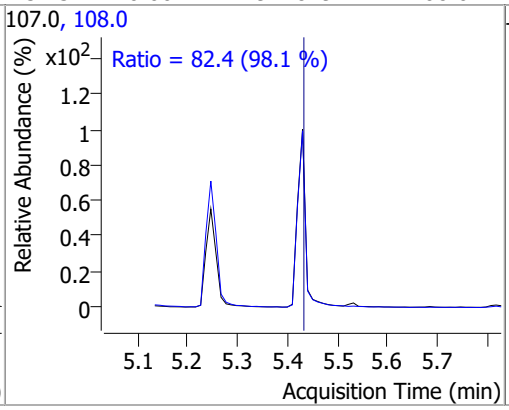


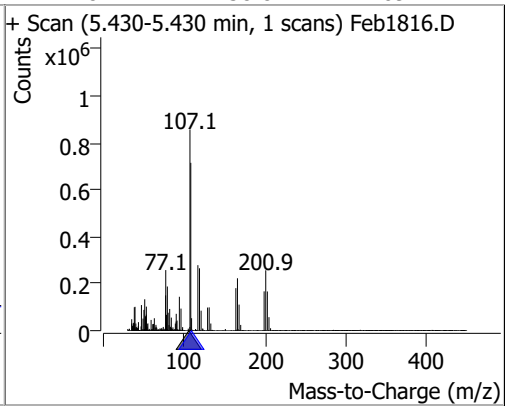




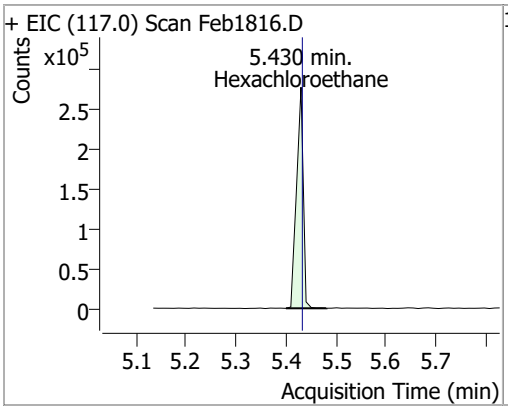
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	75.6937	5.43	0.00	944879	108.0	82.4	58.8	109.1

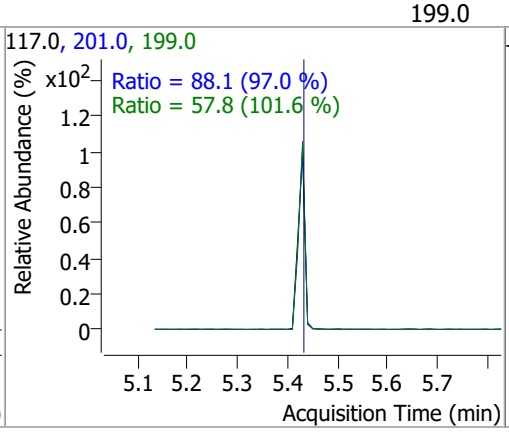


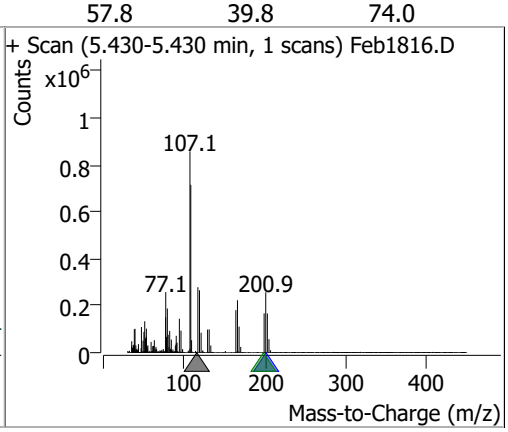




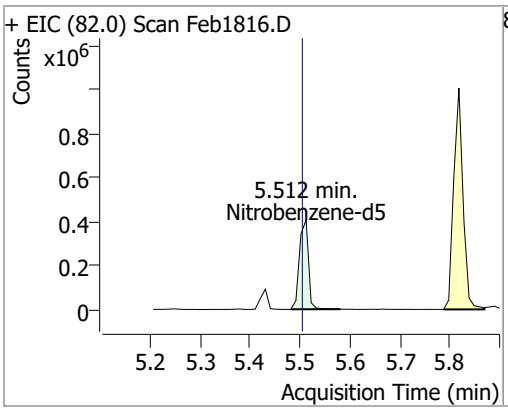
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	64.6644	5.43	0.00	259597	201.0	88.1	63.5	118.0
					199.0	57.8	39.8	74.0

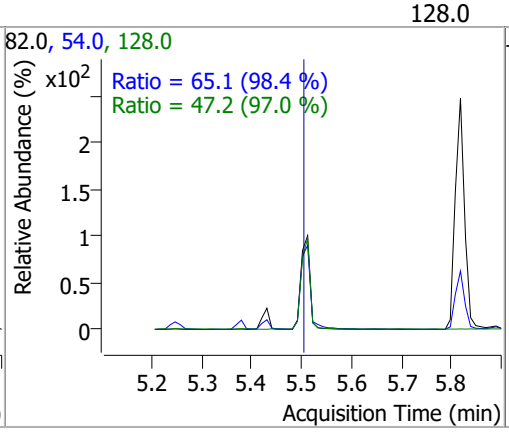


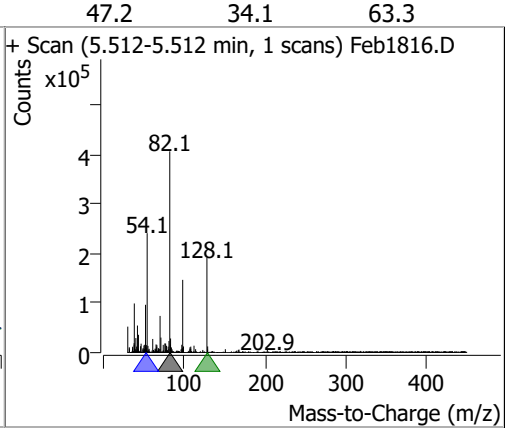




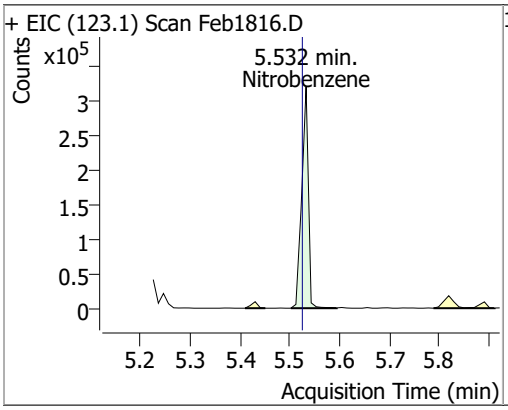
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	75.3044	5.51	0.01	496809	54.0	65.1	46.3	86.0
					128.0	47.2	34.1	63.3

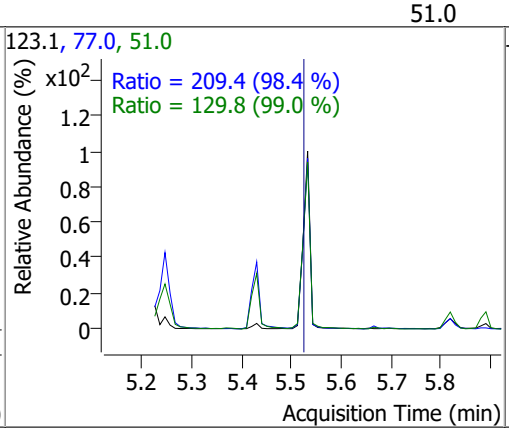


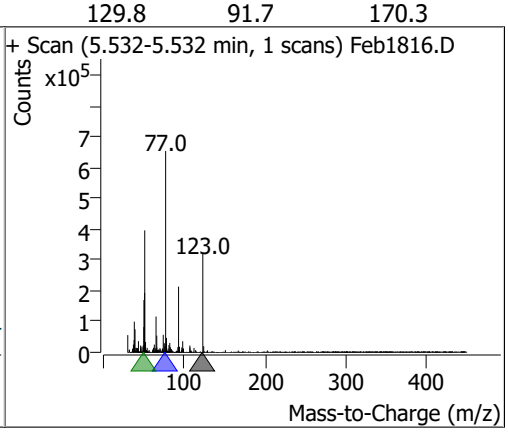




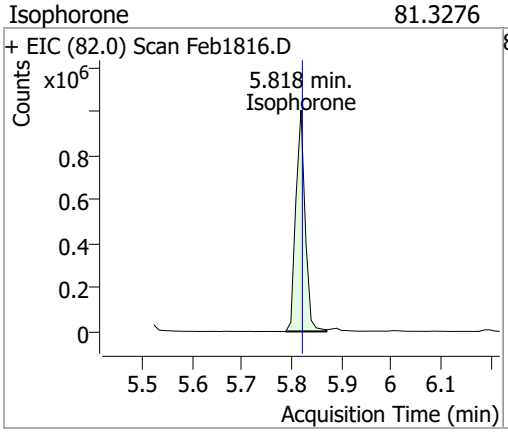
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	88.7235	5.53	0.01	293453	77.0	209.4	148.9	276.5
					51.0	129.8	91.7	170.3

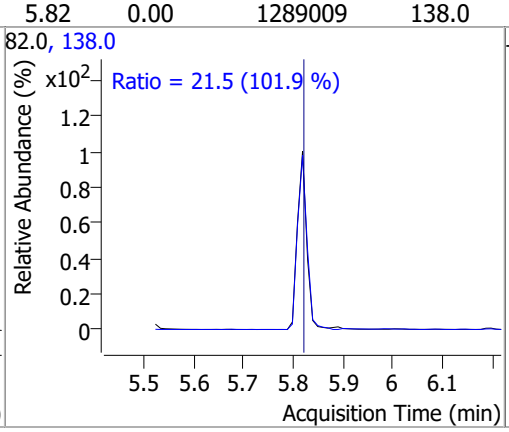


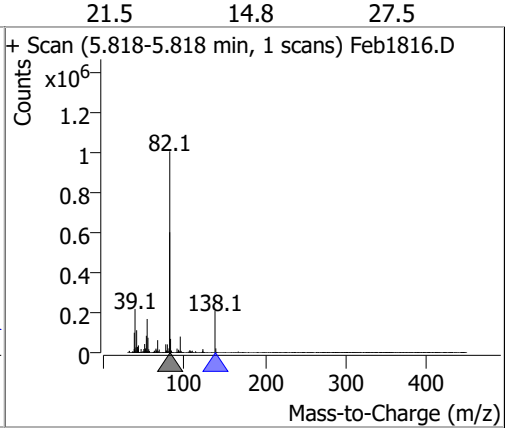




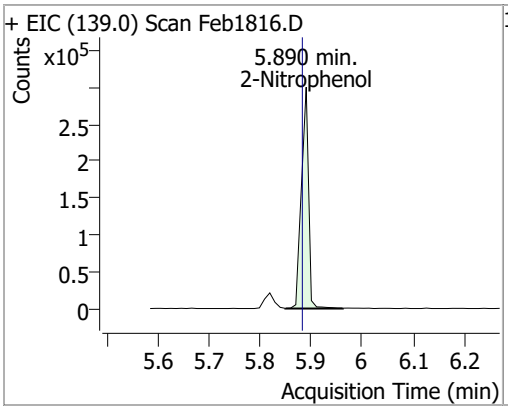
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	81.3276	5.82	0.00	1289009	138.0	21.5	14.8	27.5

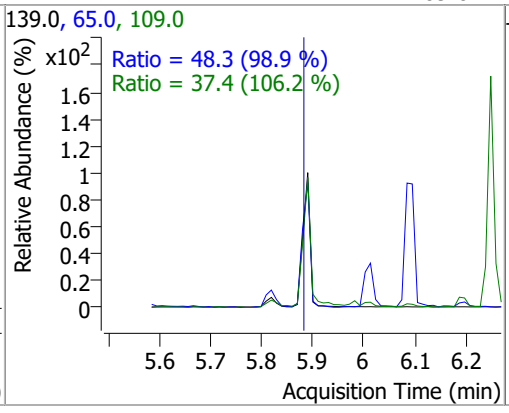


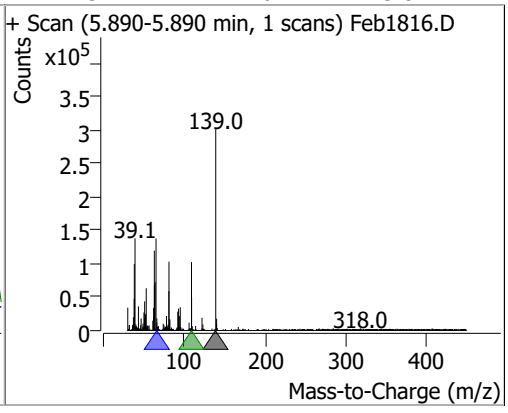




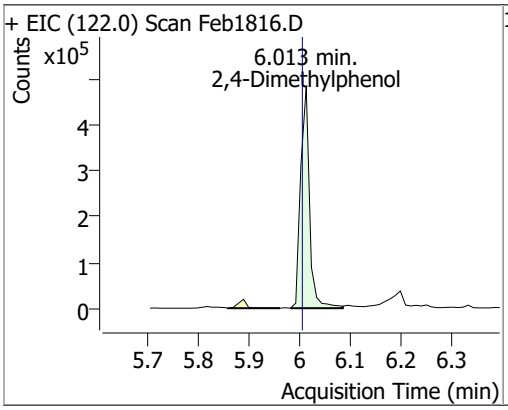
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	82.2133	5.89	0.01	293902	65.0	48.3	34.2	63.4
					109.0	37.4	24.6	45.8

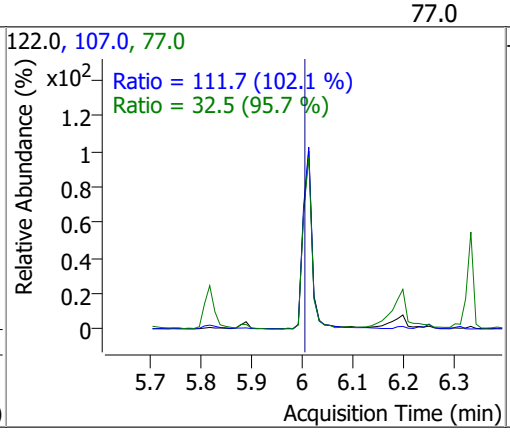


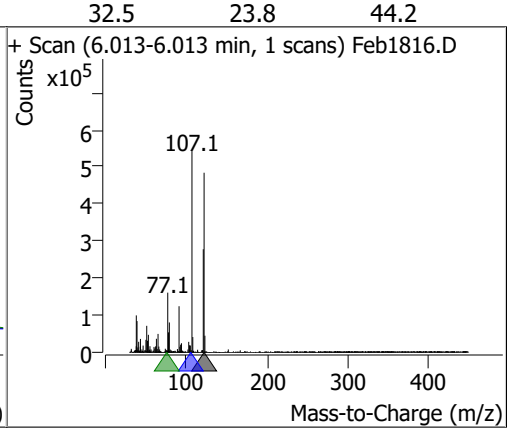




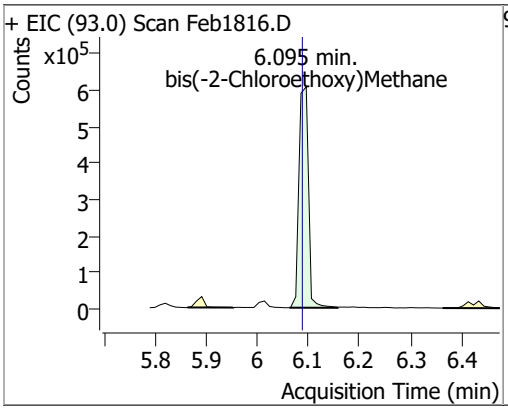
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	80.0755	6.01	0.01	589838	107.0	111.7	76.6	142.3
					77.0	32.5	23.8	44.2

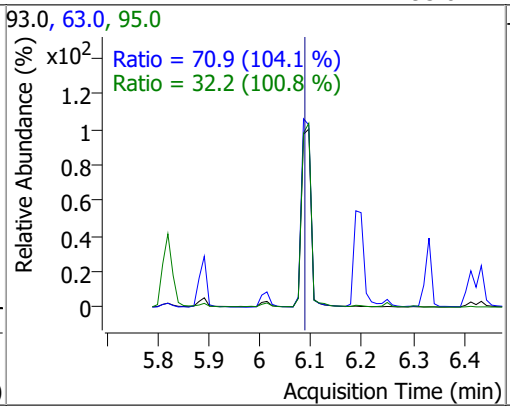


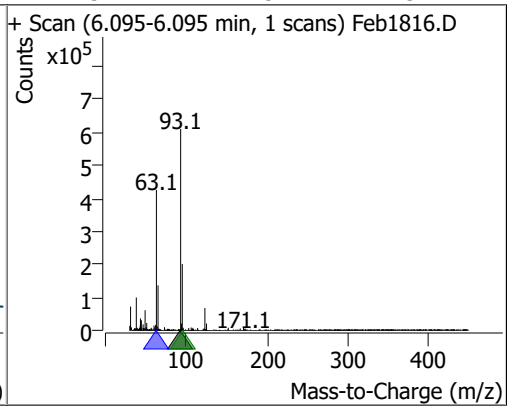




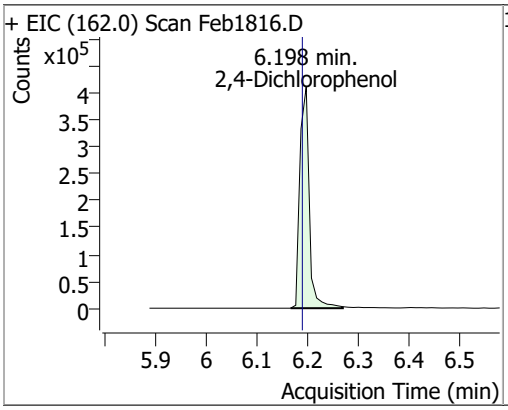
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	85.0692	6.10	0.01	788755	63.0	70.9	47.7	88.6
					95.0	32.2	22.3	41.5

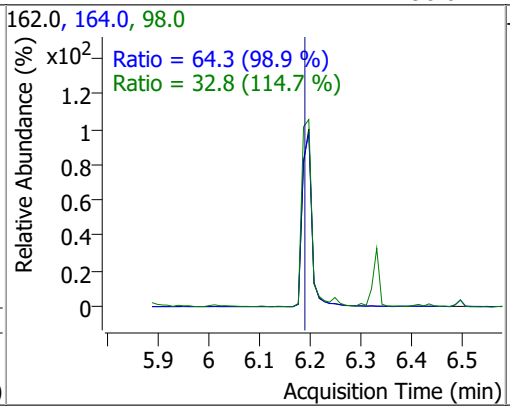


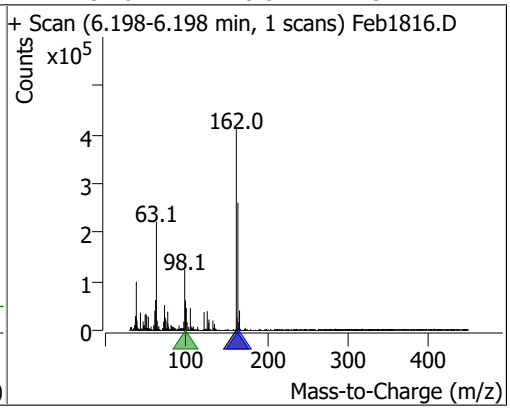




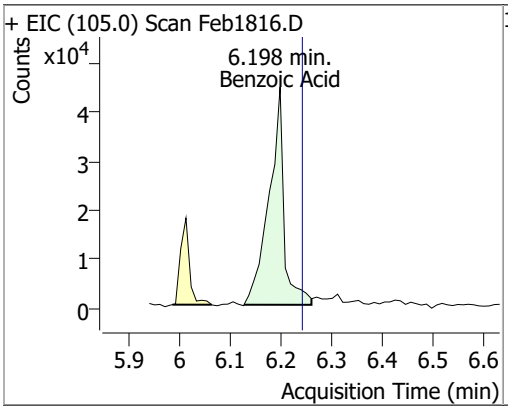
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	74.9634	6.20	0.01	528068	164.0	64.3	45.5	84.5
					98.0	32.8	20.0	37.1

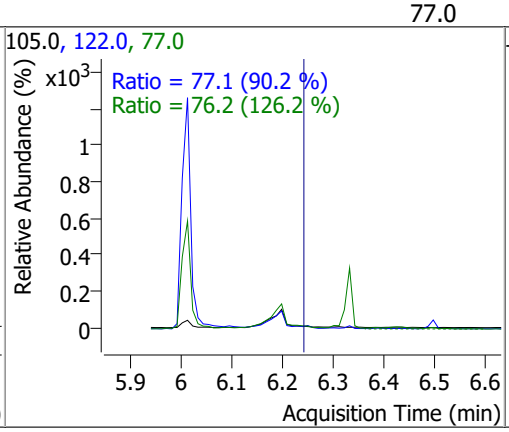


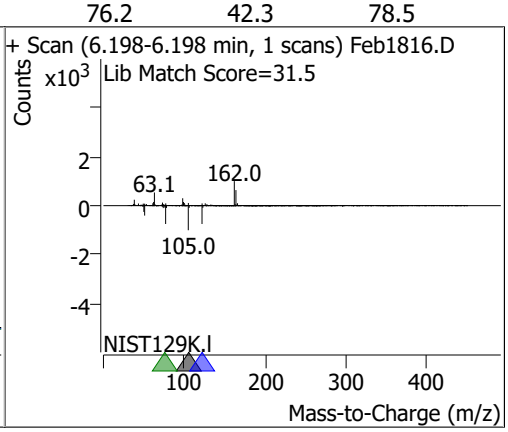




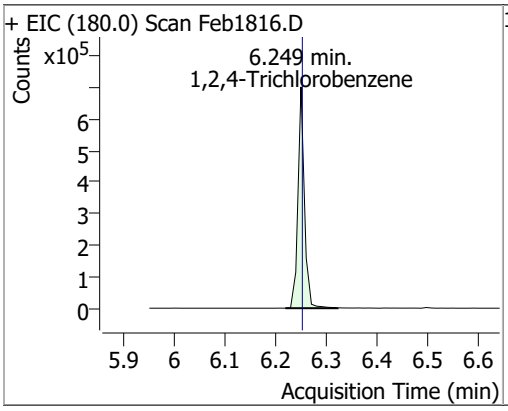
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	28.6632	6.20	-0.04	91311	122.0	77.1	59.9	111.2
					77.0	76.2	42.3	78.5

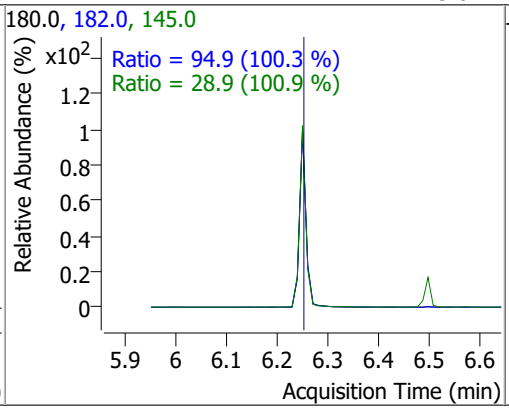


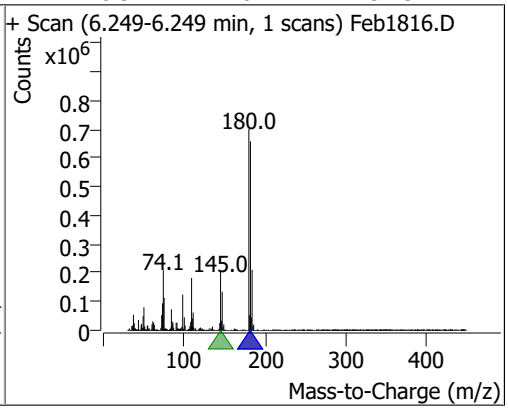




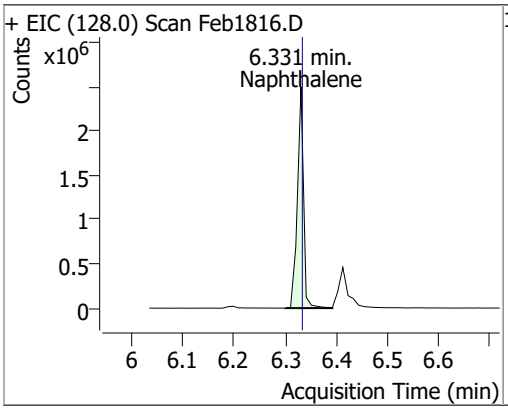
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	73.0803	6.25	0.00	619571	182.0	94.9	66.2	122.9
					145.0	28.9	20.1	37.3

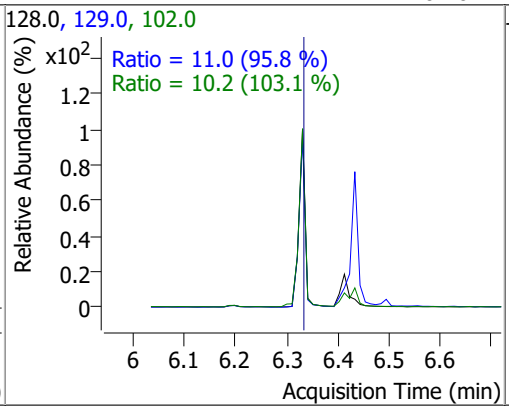


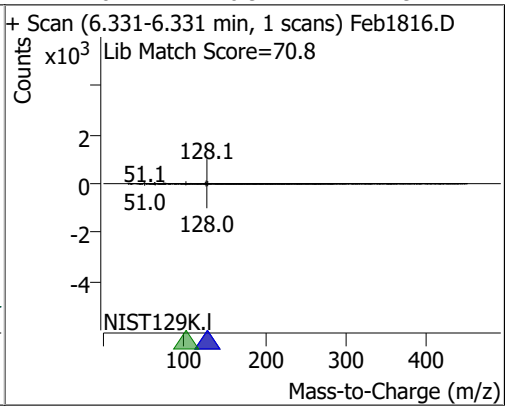




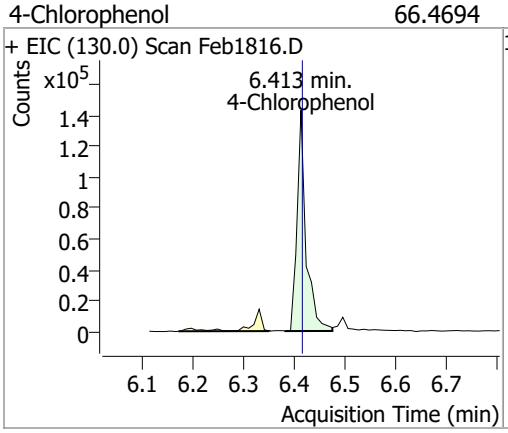
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	83.7566	6.33	0.00	2090973	129.0	11.0	8.0	14.9
					102.0	10.2	6.9	12.9

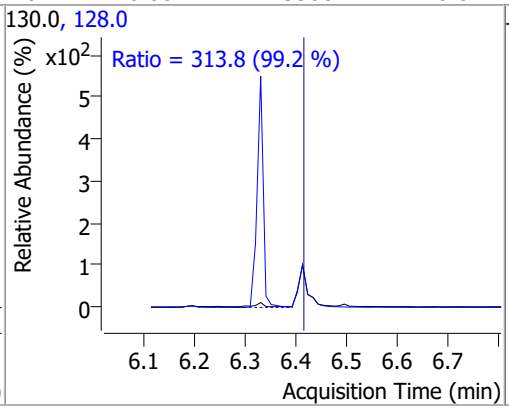


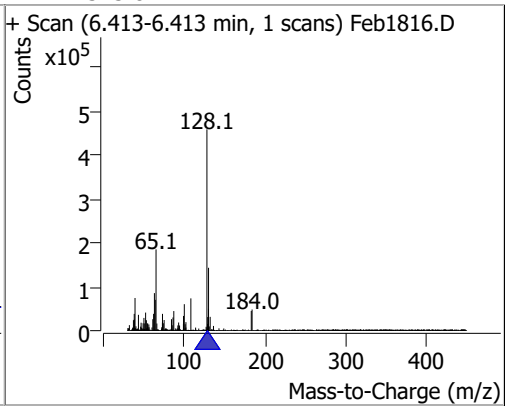




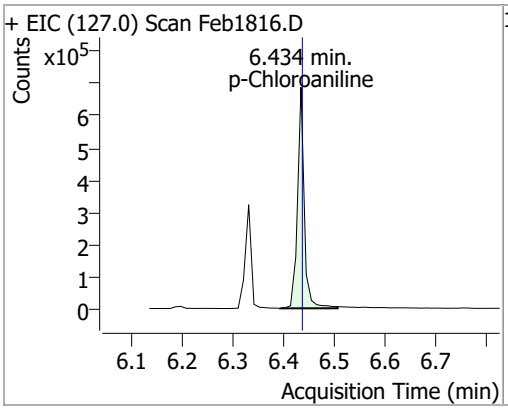
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	66.4694	6.41	0.00	175506	128.0	313.8	221.4	411.2

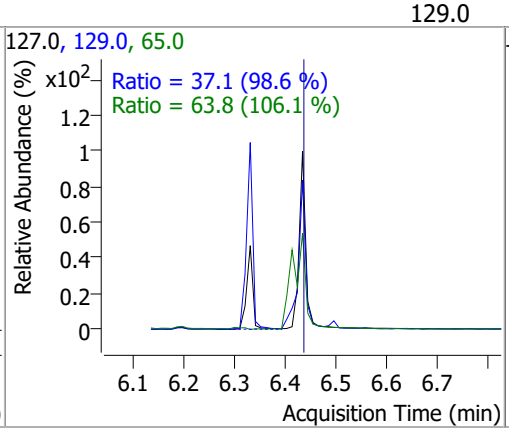


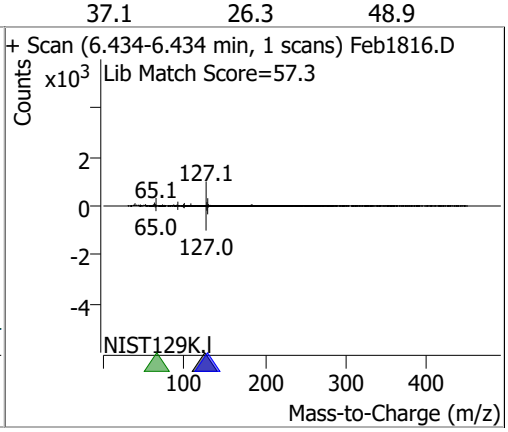




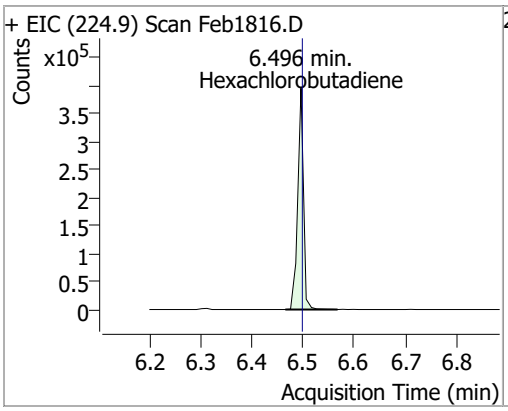
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	63.8638	6.43	0.00	631810	65.0	63.8	42.1	78.2
					129.0	37.1	26.3	48.9

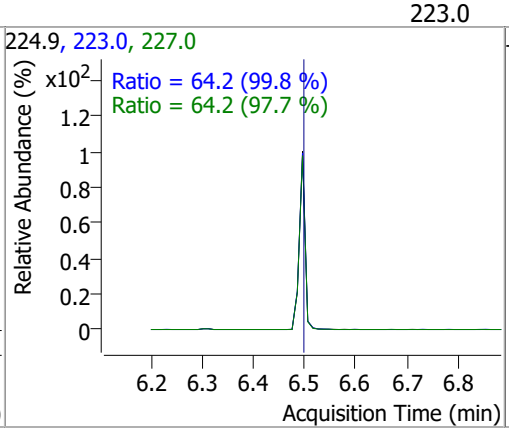


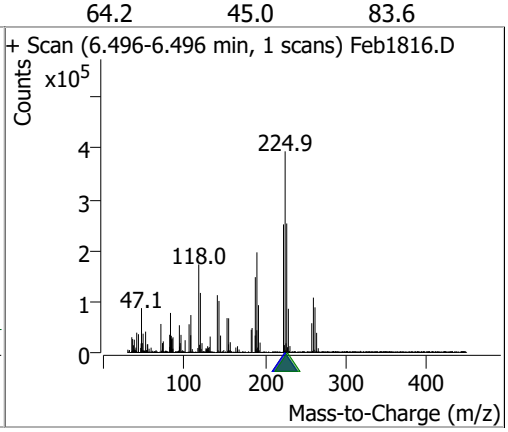




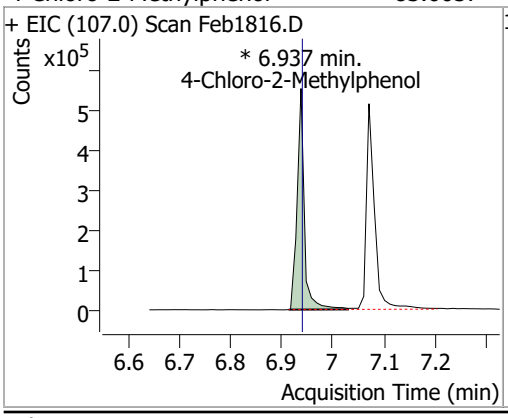
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	70.6360	6.50	0.00	309403	227.0	64.2	46.0	85.4
					223.0	64.2	45.0	83.6

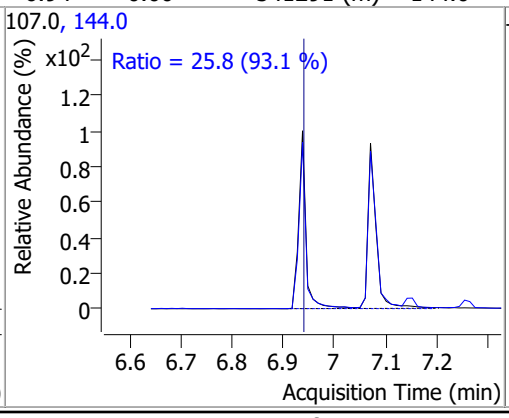


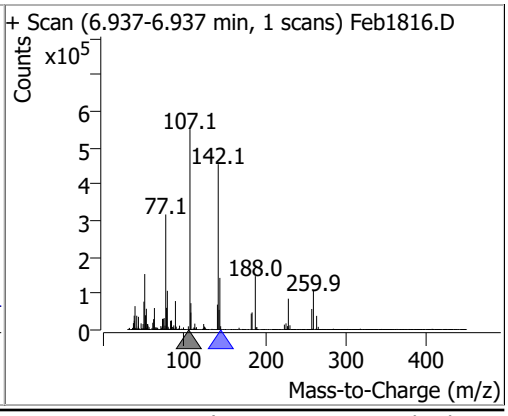




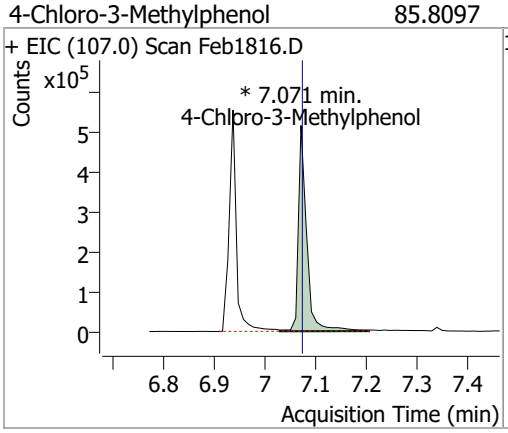
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	83.0057	6.94	0.00	541291 (m)	144.0	25.8	19.4	36.1

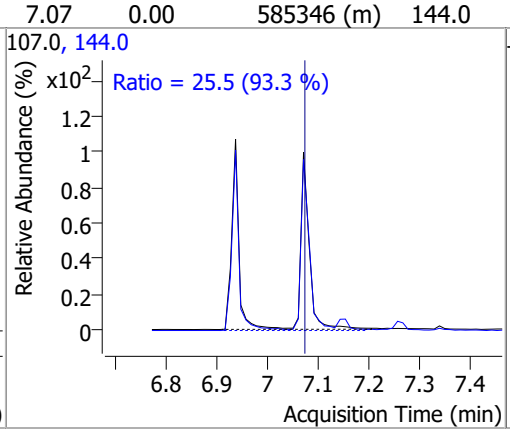


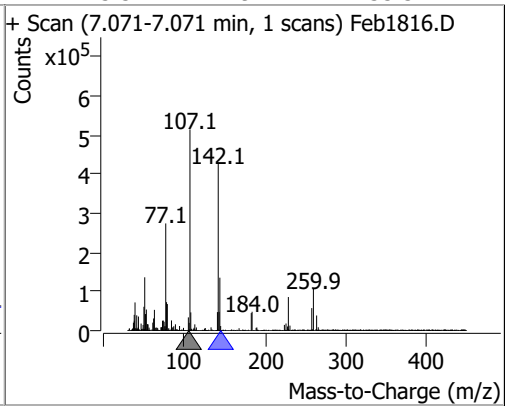




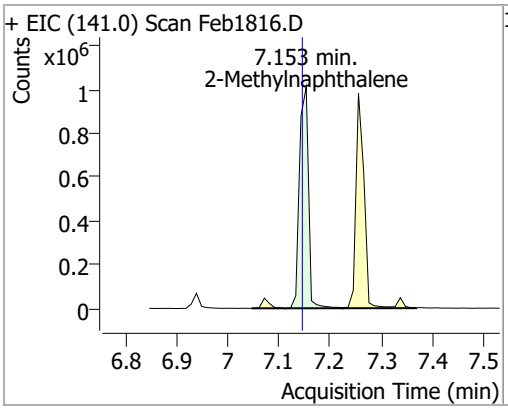
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	85.8097	7.07	0.00	585346 (m)	144.0	25.5	19.1	35.5

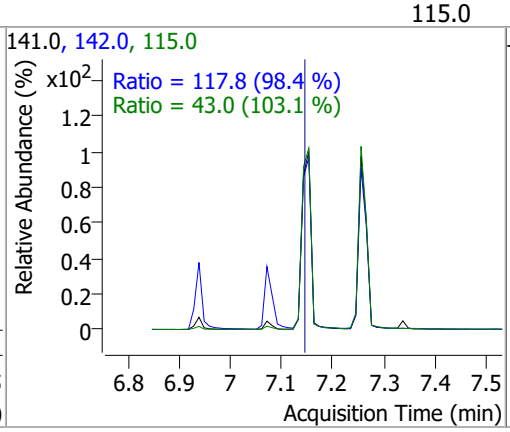


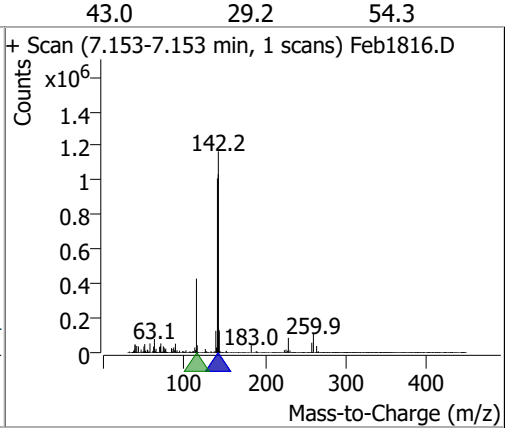




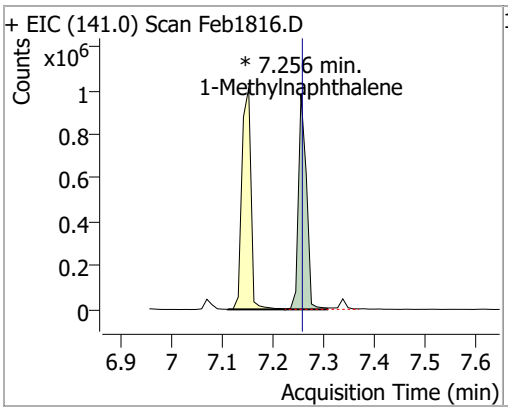
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	87.3370	7.15	0.01	1247204	142.0	117.8	83.8	155.7
					115.0	43.0	29.2	54.3

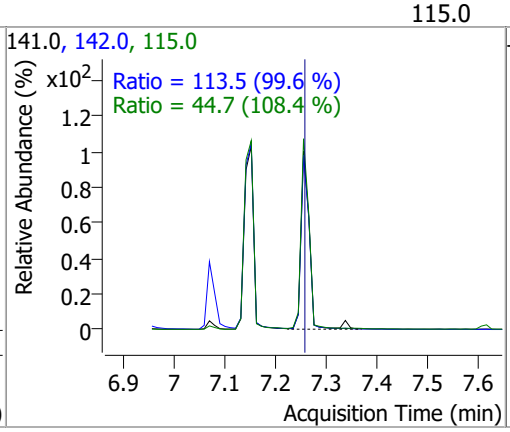


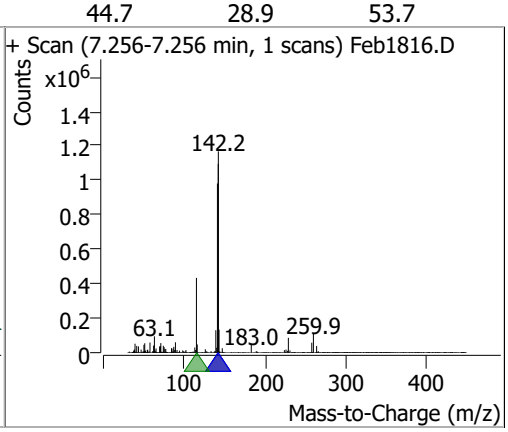




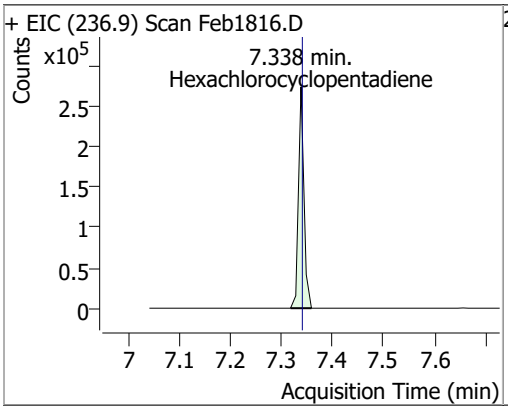
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	76.9002	7.26	0.00	1067616 (m)	142.0	113.5	79.8	148.2
					115.0	44.7	28.9	53.7

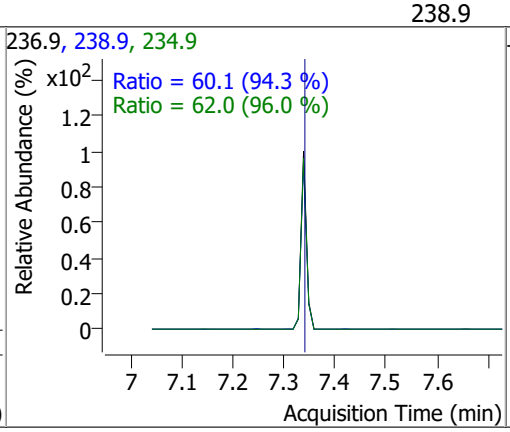


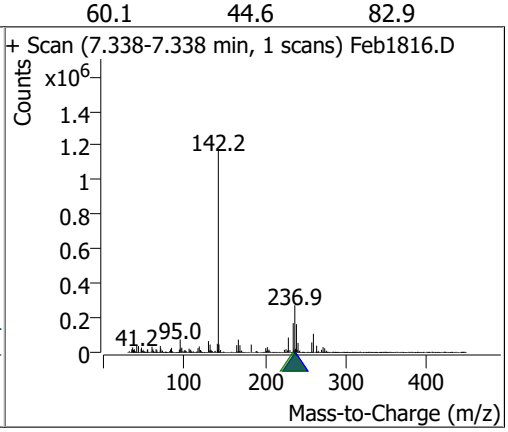




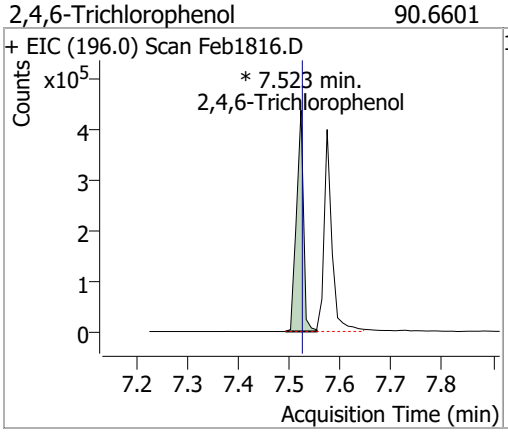
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	77.8774	7.34	0.00	203656	234.9	62.0	45.2	84.0
					238.9	60.1	44.6	82.9

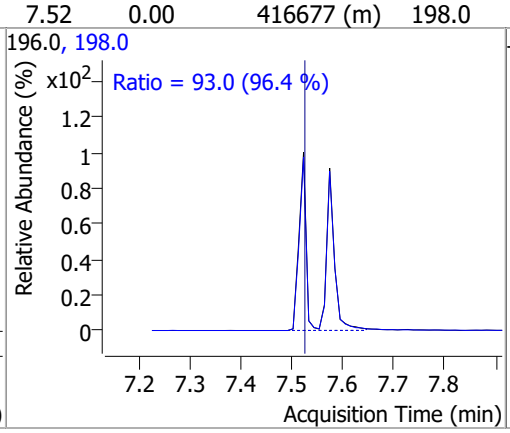


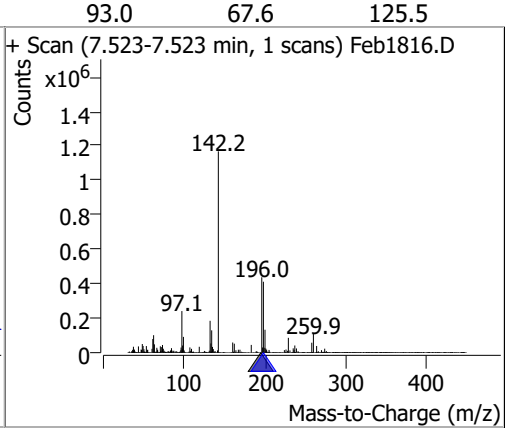




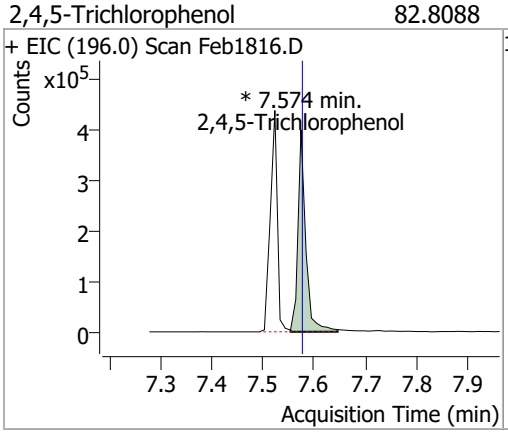
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	90.6601	7.52	0.00	416677 (m)	198.0	93.0	67.6	125.5

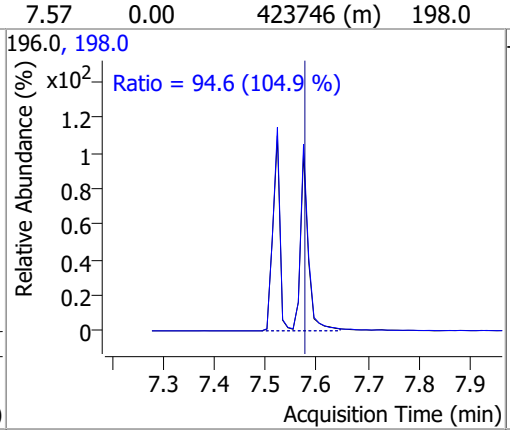


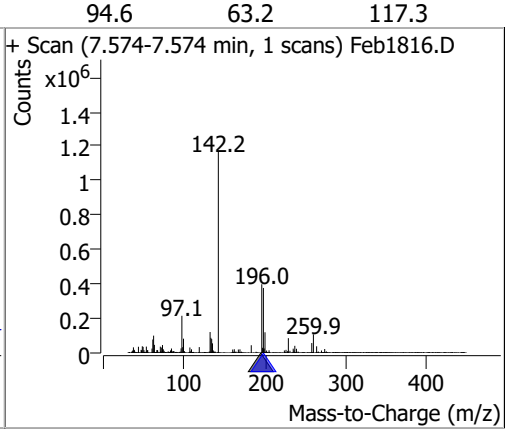




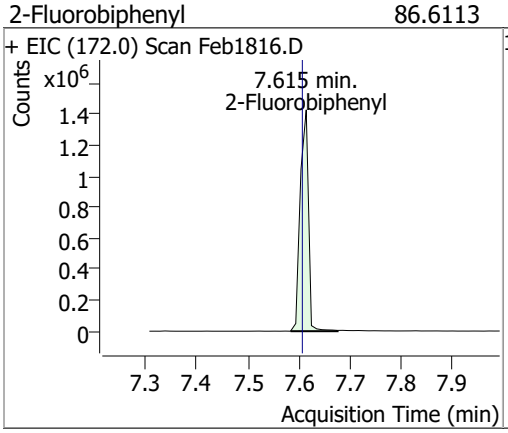
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	82.8088	7.57	0.00	423746 (m)	198.0	94.6	63.2	117.3

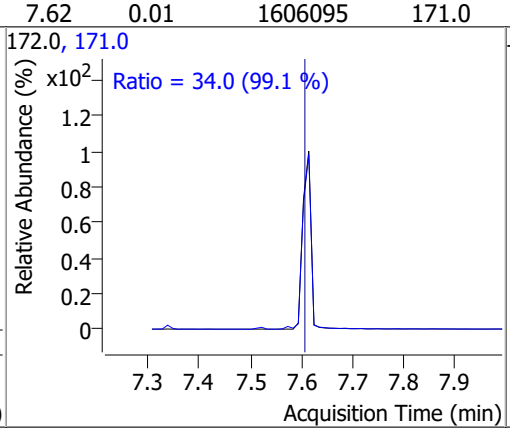


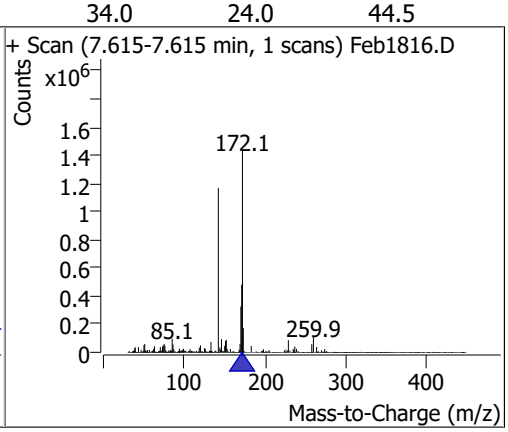




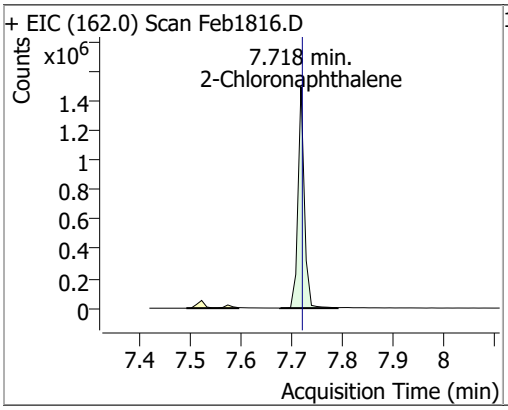
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	86.6113	7.62	0.01	1606095	171.0	34.0	24.0	44.5

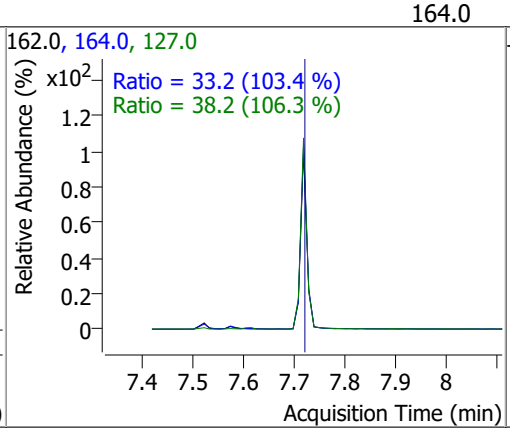


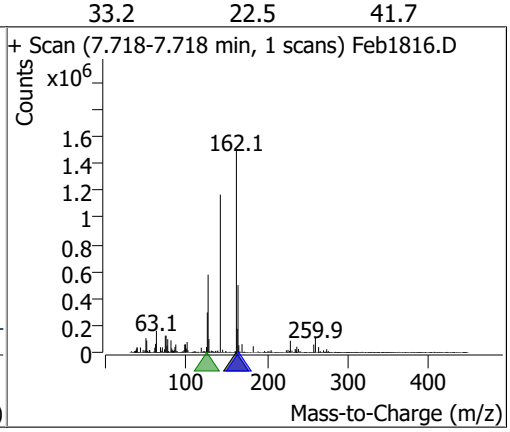




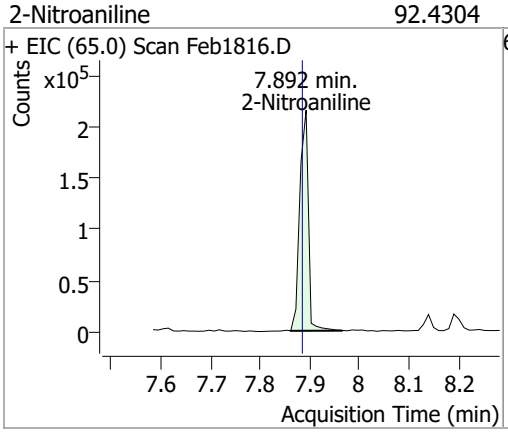
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	82.8006	7.72	0.00	1288800	127.0	38.2	25.1	46.7
					164.0	33.2	22.5	41.7

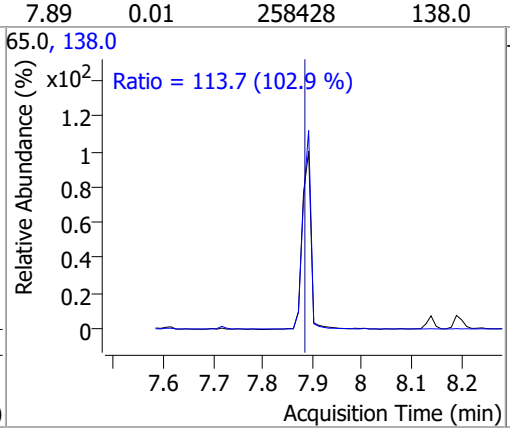


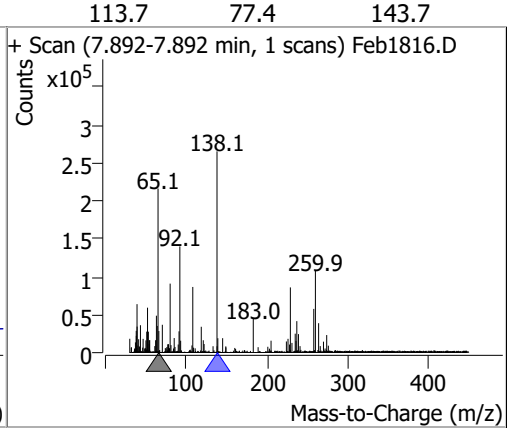




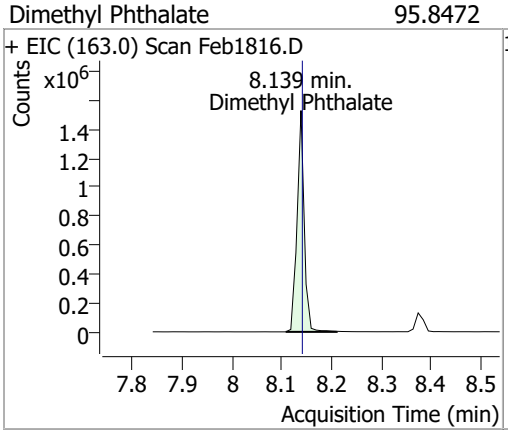
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	92.4304	7.89	0.01	258428	138.0	113.7	77.4	143.7

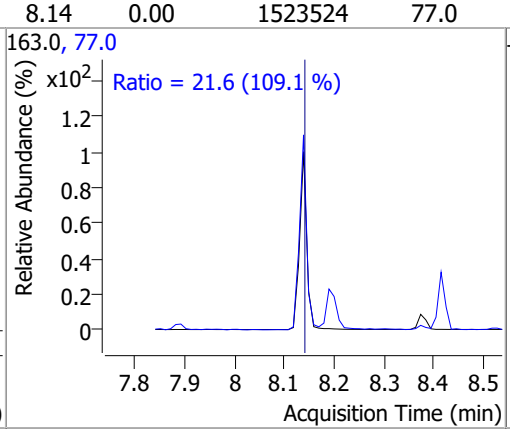


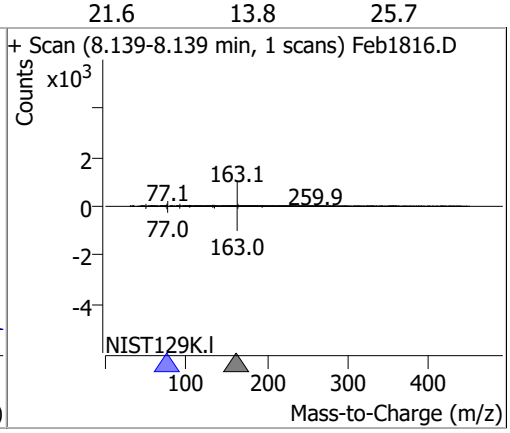




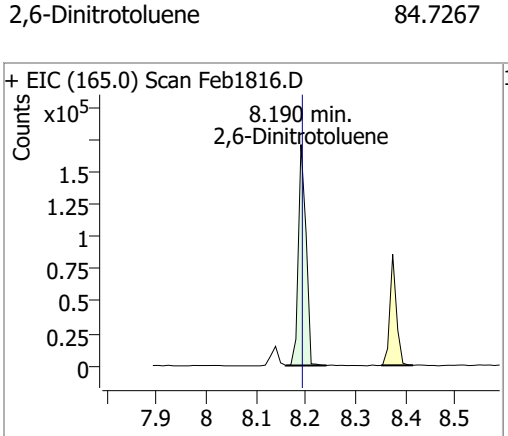
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	95.8472	8.14	0.00	1523524	77.0	21.6	13.8	25.7

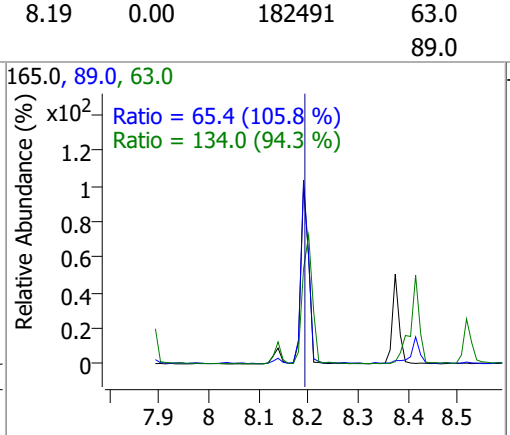


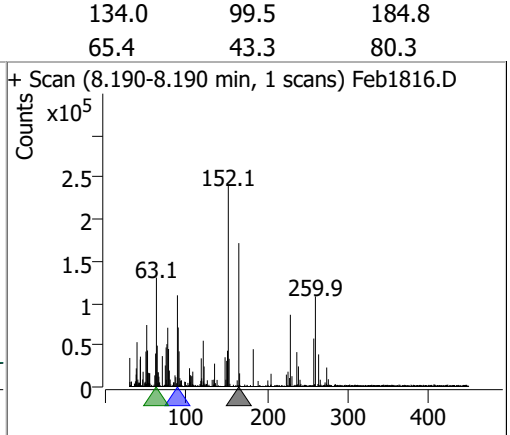




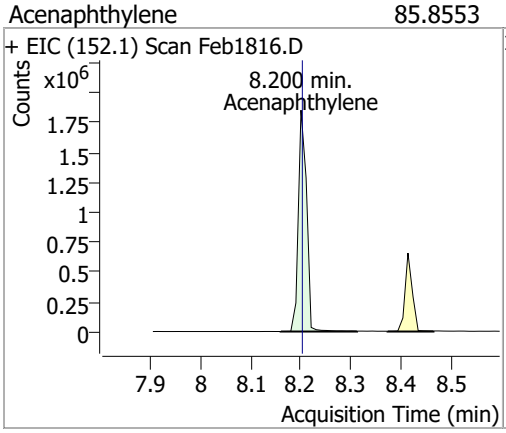
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	84.7267	8.19	0.00	182491	63.0	134.0	99.5	184.8
					89.0	65.4	43.3	80.3

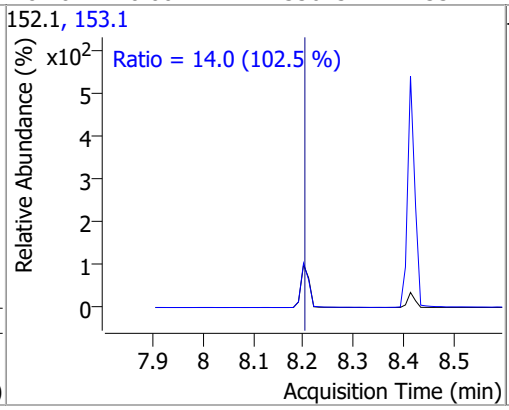


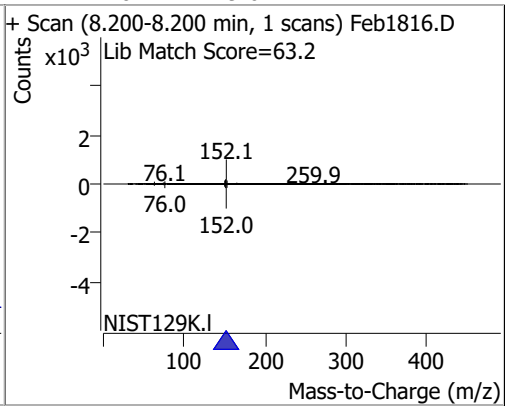




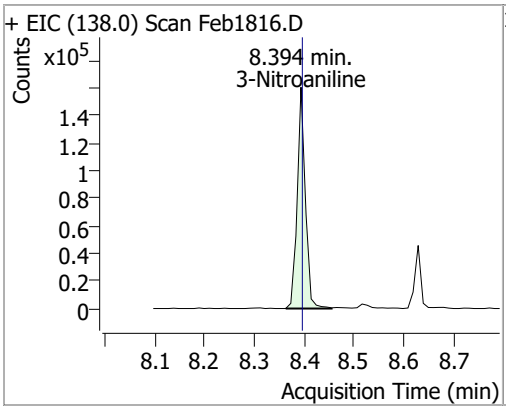
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	85.8553	8.20	0.00	2135675	153.1	14.0	9.6	17.7

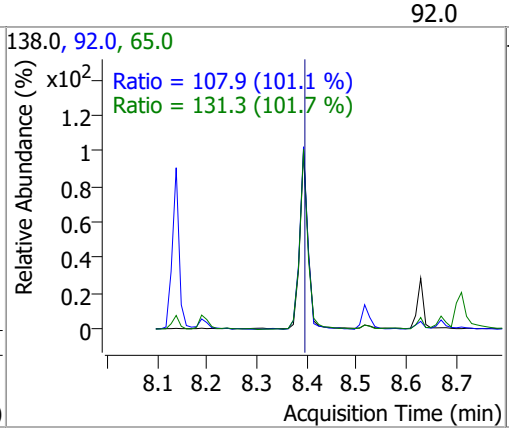


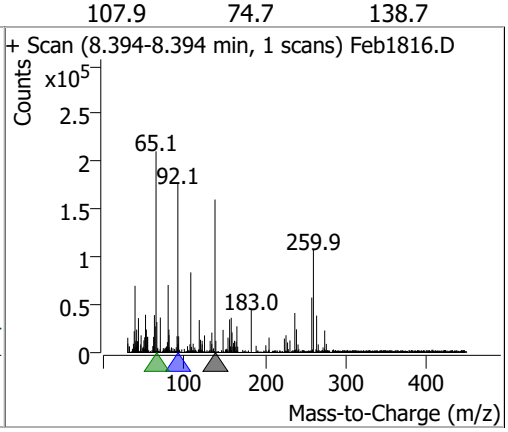




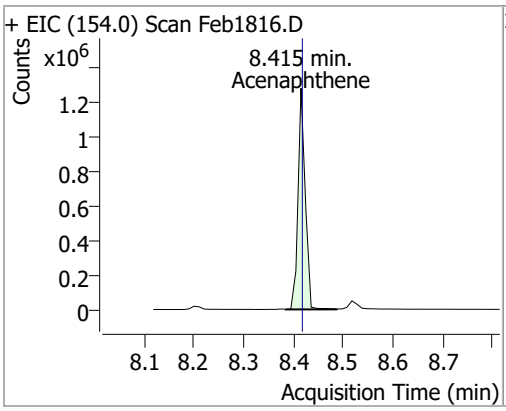
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	74.9042	8.39	0.00	182072	65.0	131.3	90.4	167.8
					92.0	107.9	74.7	138.7

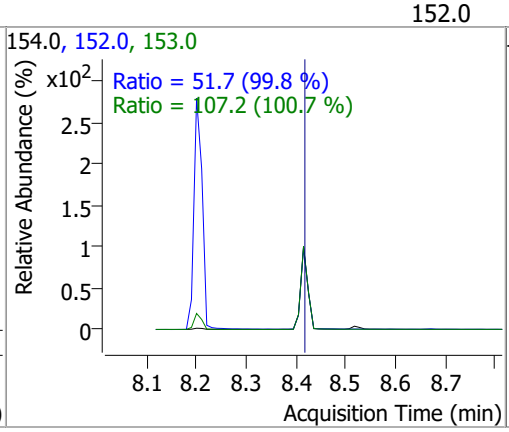


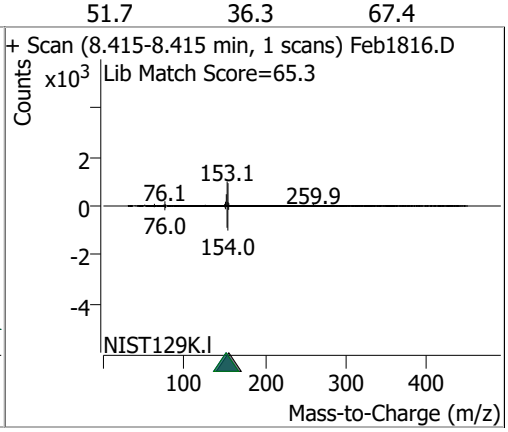




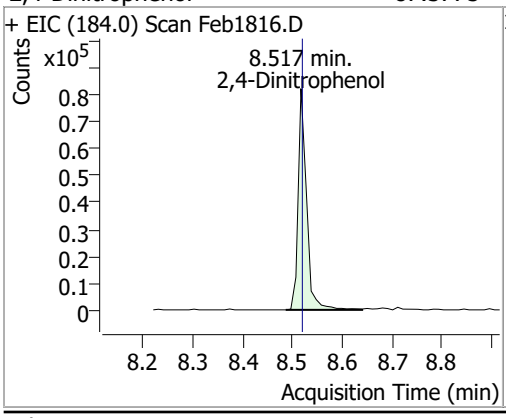
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	90.6285	8.41	0.00	1283172	153.0	107.2	74.5	138.4
					152.0	51.7	36.3	67.4

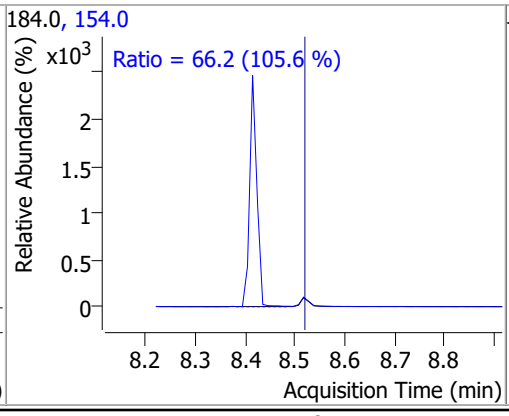


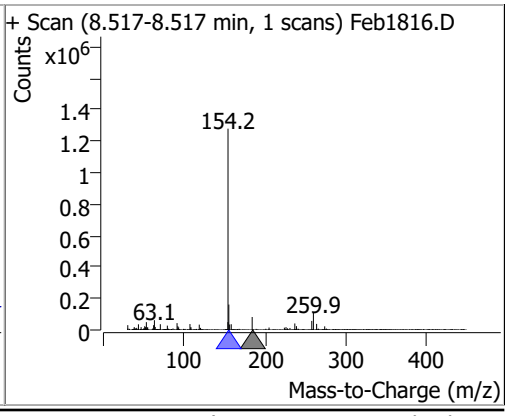




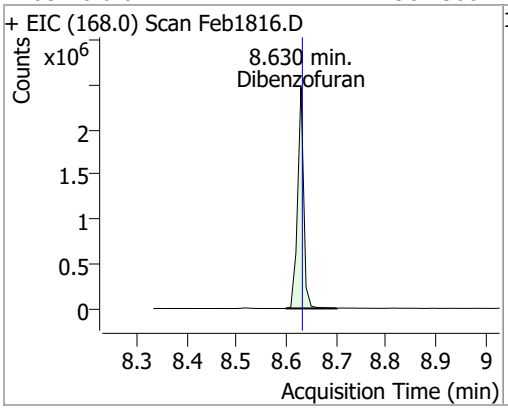
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	87.3775	8.52	0.00	97120	154.0	66.2	43.9	81.5

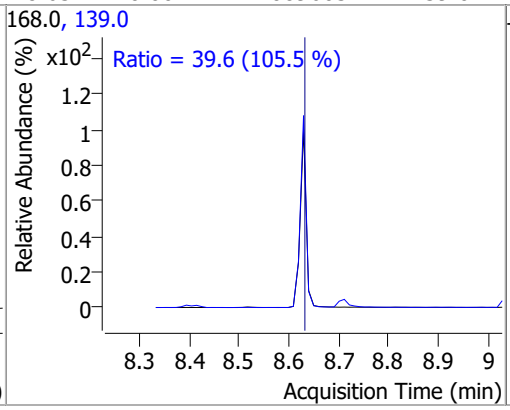


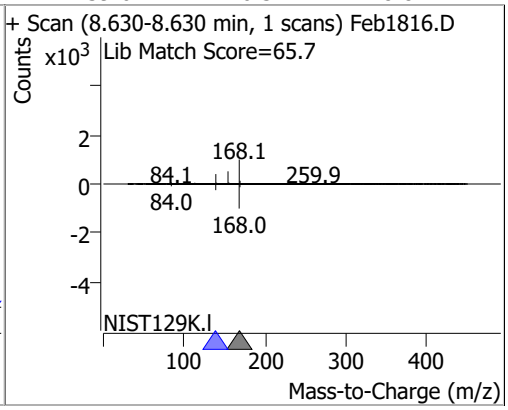




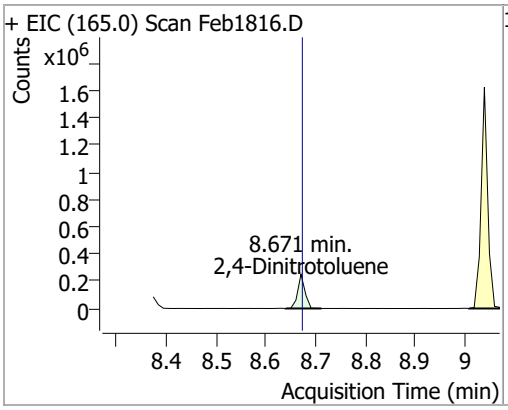
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	90.4568	8.63	0.00	2089603	139.0	39.6	26.3	48.8

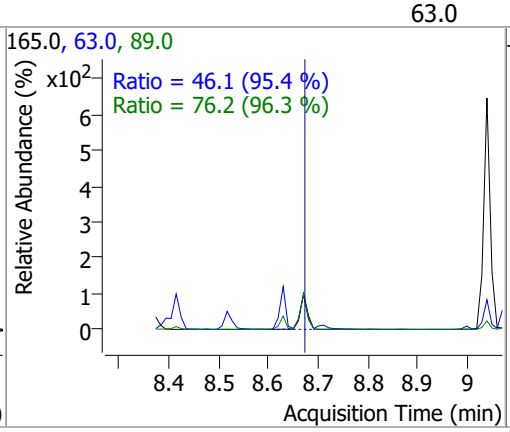


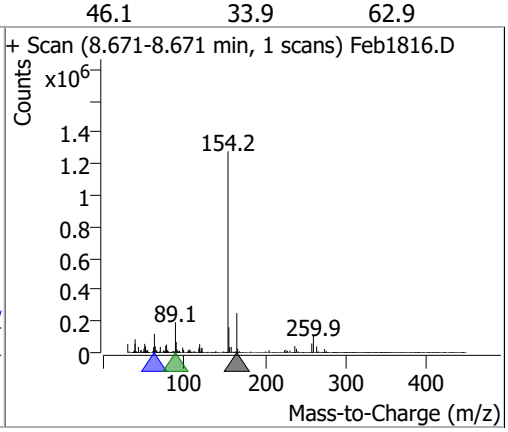




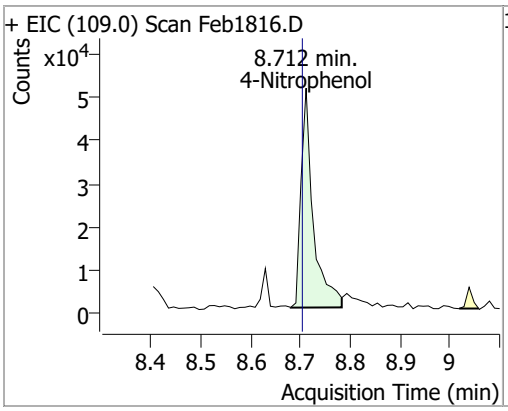
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	91.6677	8.67	0.00	251542	89.0	76.2	55.4	102.9
					63.0	46.1	33.9	62.9

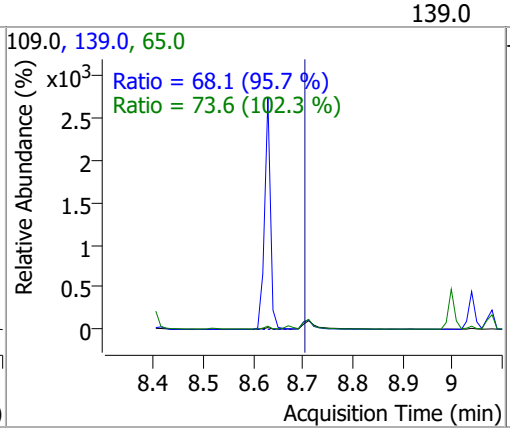


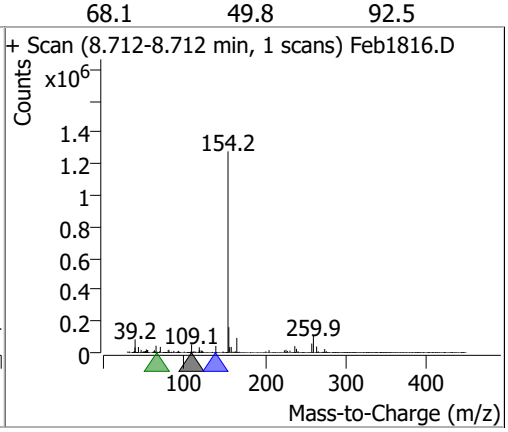




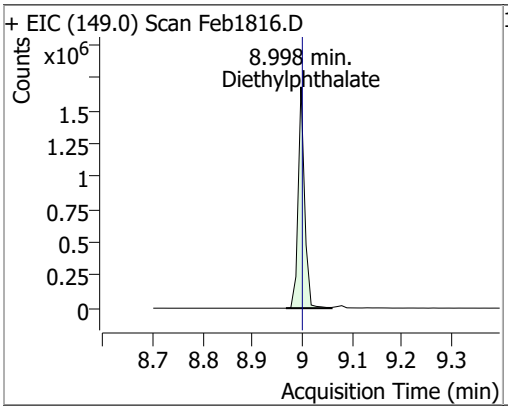
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	35.8244	8.71	0.01	87507	65.0	73.6	50.4	93.6
					139.0	68.1	49.8	92.5

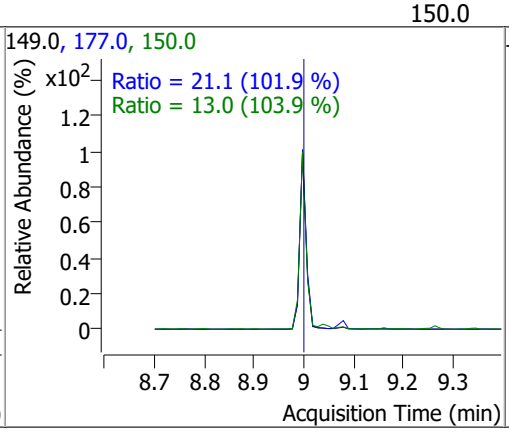


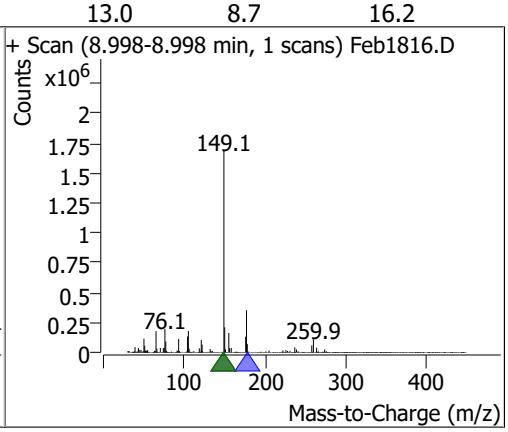




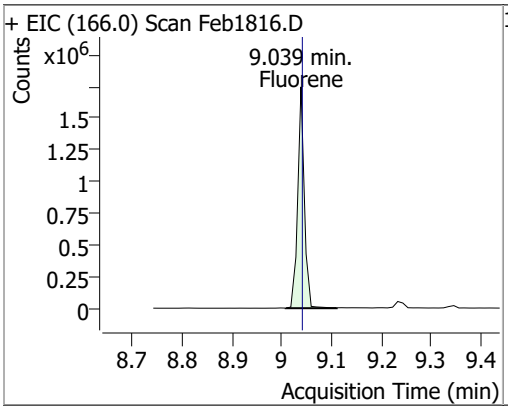
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	91.8115	9.00	0.00	1511372	177.0	21.1	14.5	27.0
					150.0	13.0	8.7	16.2

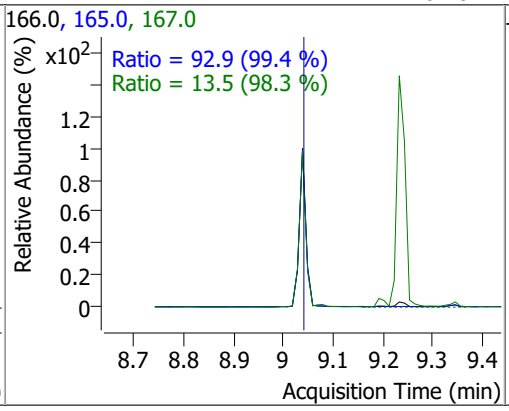


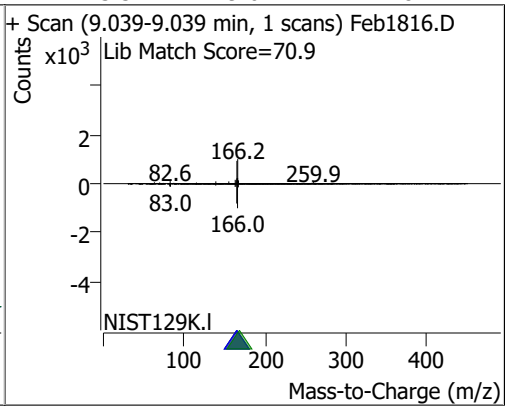




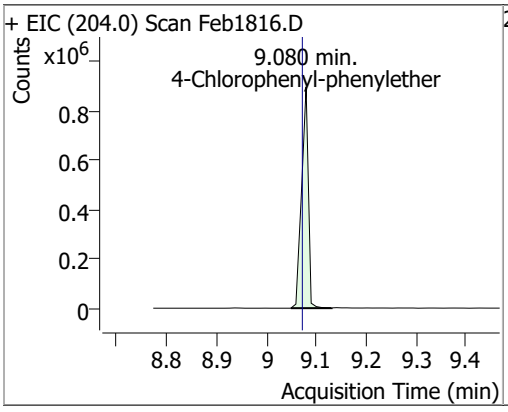
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	86.4198	9.04	0.00	1614179	165.0	92.9	65.4	121.4
					167.0	13.5	9.6	17.8

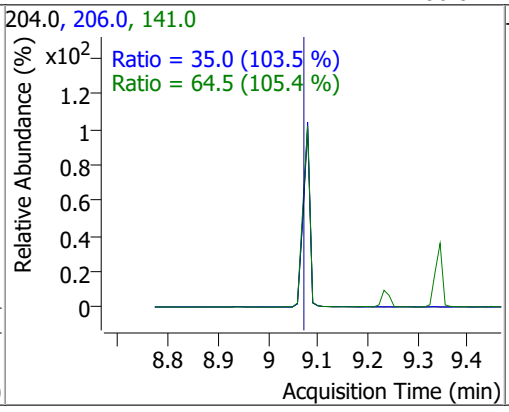


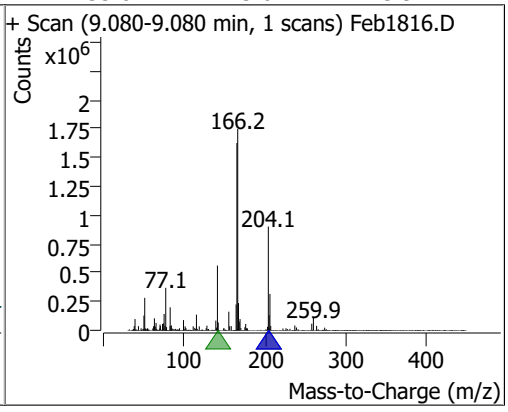




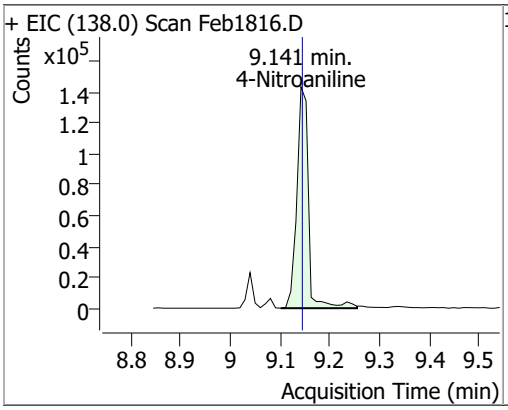
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	98.9256	9.08	0.01	842337	141.0	64.5	42.8	79.6
					206.0	35.0	23.6	43.9

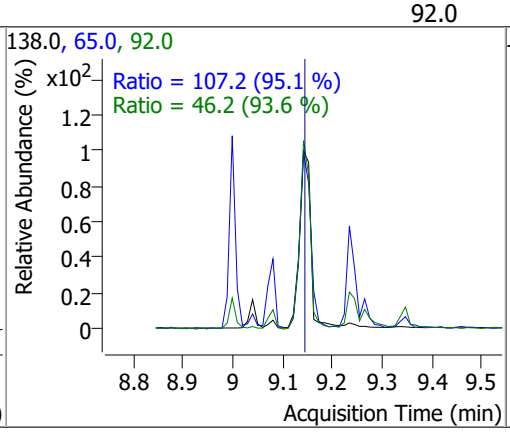


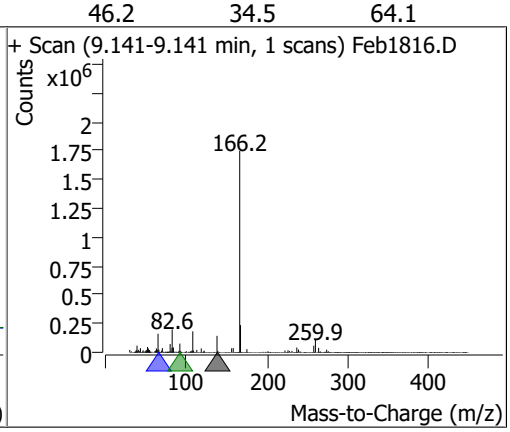




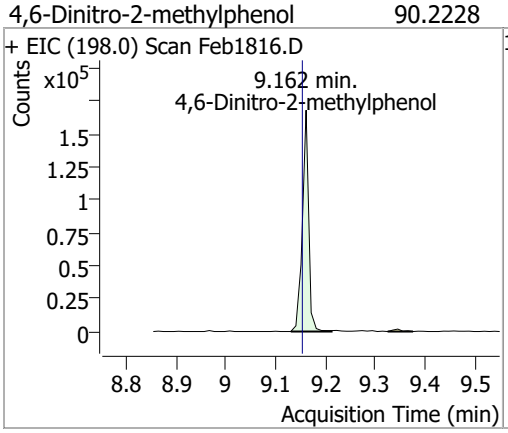
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	87.3097	9.14	0.00	231827	65.0	107.2	78.9	146.6
					92.0	46.2	34.5	64.1

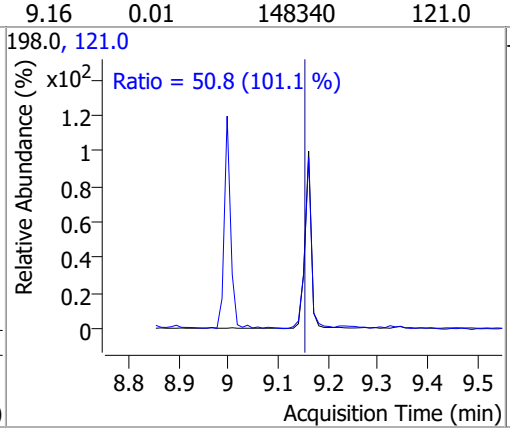


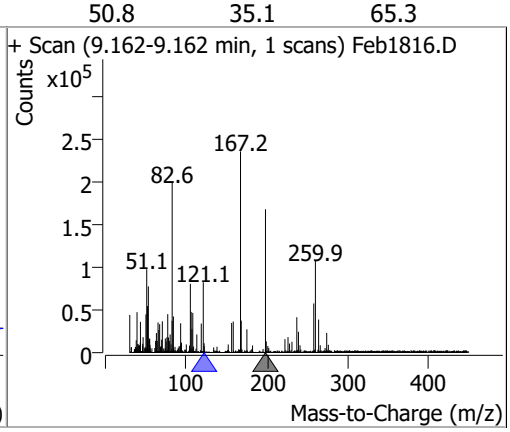




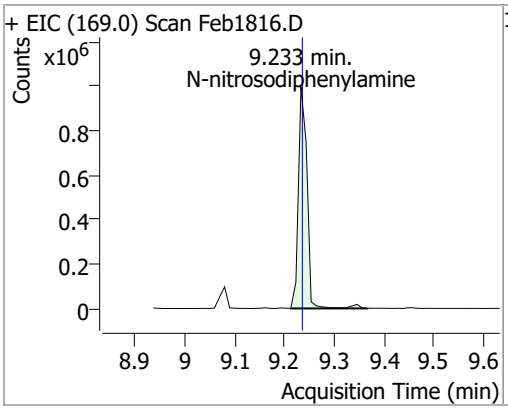
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	90.2228	9.16	0.01	148340	121.0	50.8	35.1	65.3

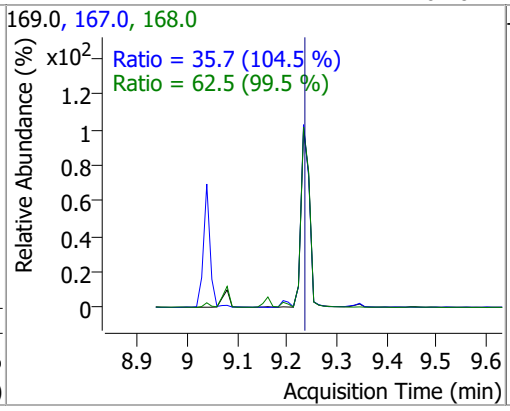


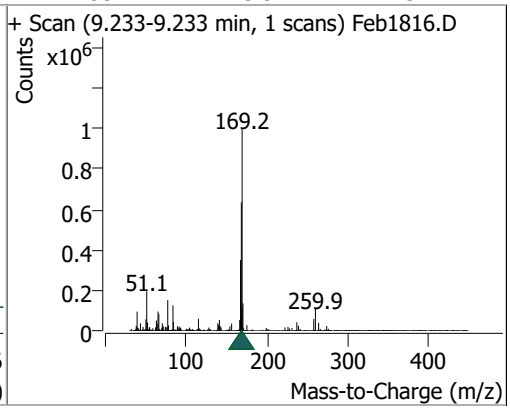




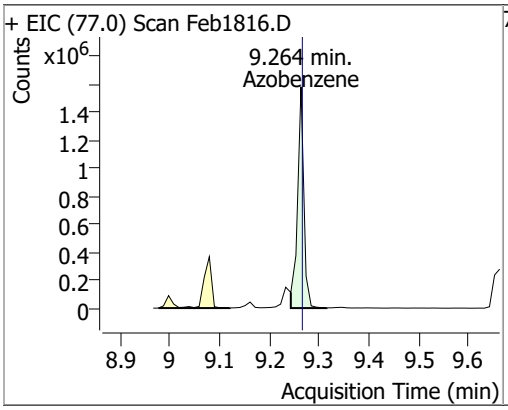
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	96.9653	9.23	0.00	1205943	168.0	62.5	44.0	81.7
					167.0	35.7	23.9	44.3

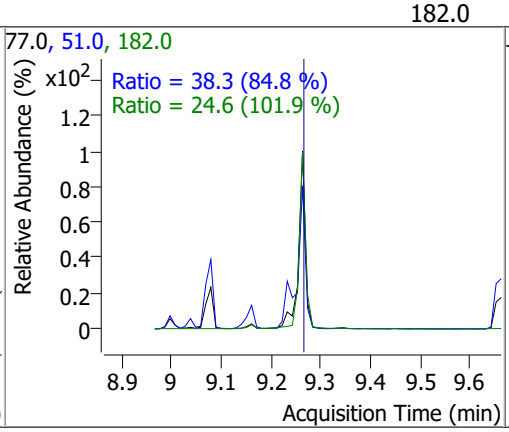


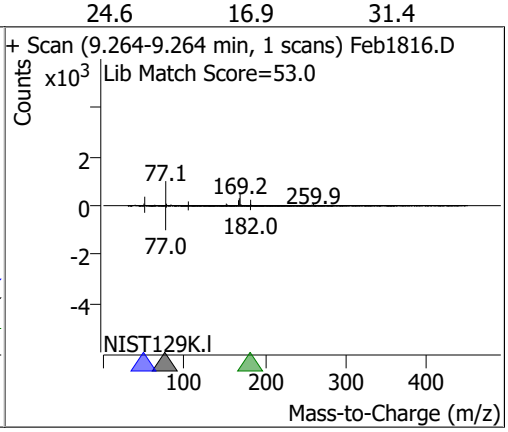




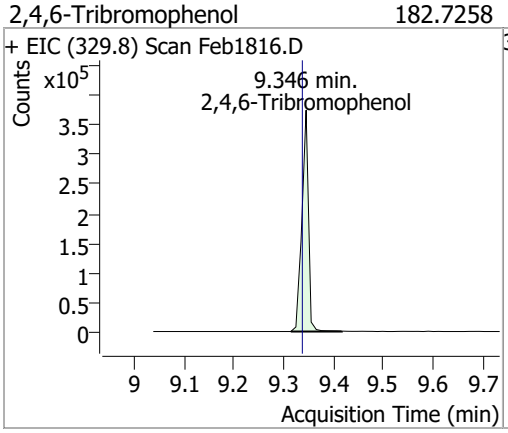
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	84.3975	9.26	0.00	1390559	51.0	38.3	31.6	58.7
					182.0	24.6	16.9	31.4

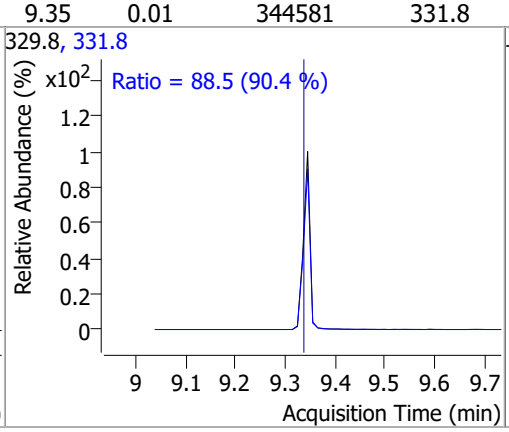


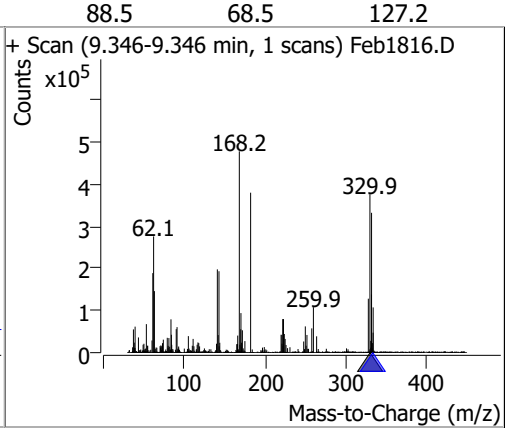




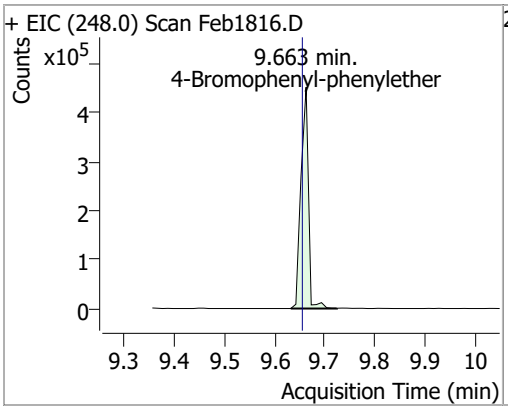
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	182.7258	9.35	0.01	344581	331.8	88.5	68.5	127.2

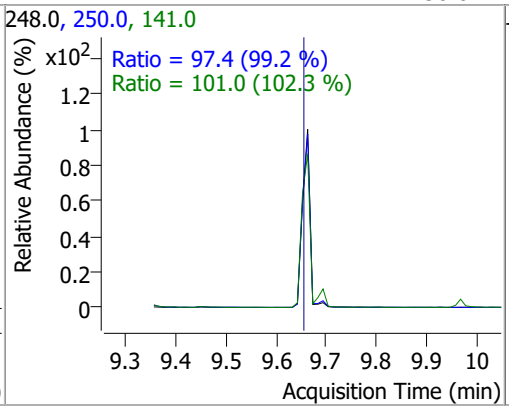


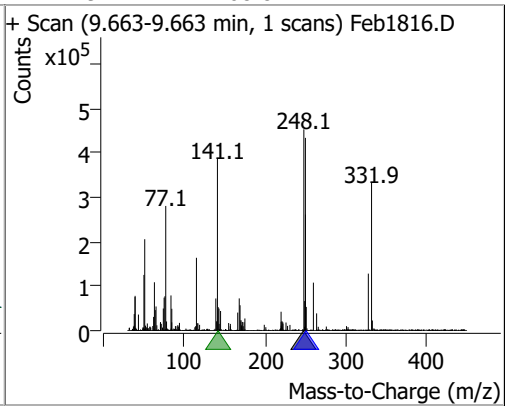




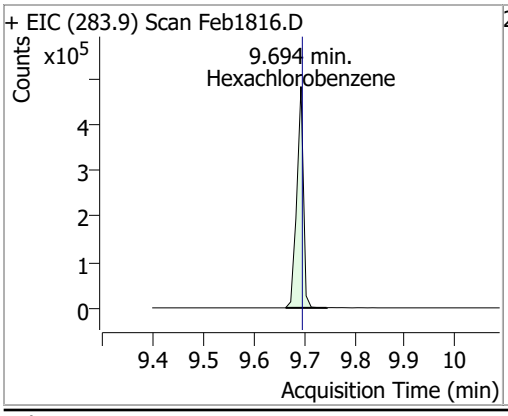
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	97.3942	9.66	0.01	467477	141.0	101.0	69.1	128.4
					250.0	97.4	68.8	127.7

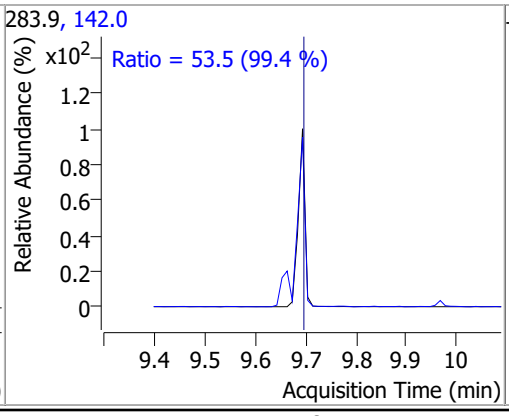


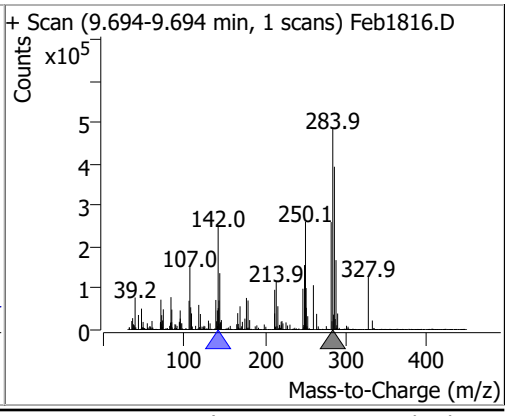




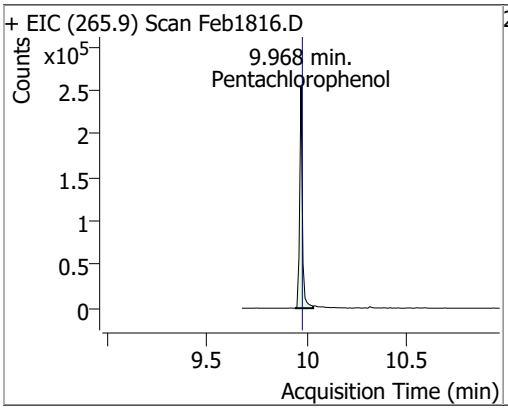
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	93.1678	9.69	0.00	443718	142.0	53.5	37.7	70.0

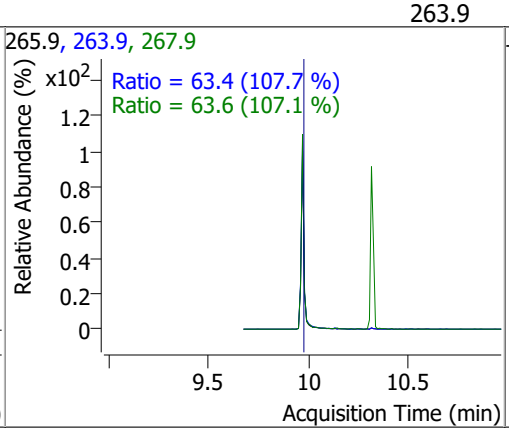


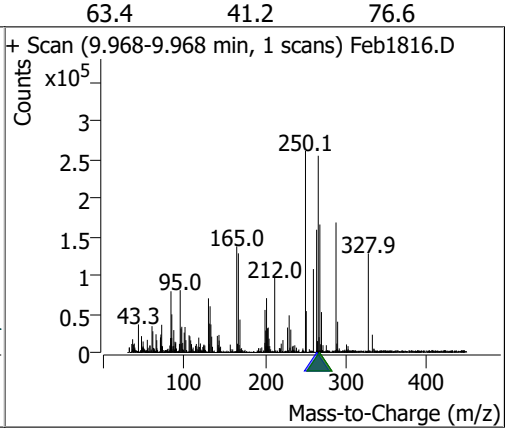




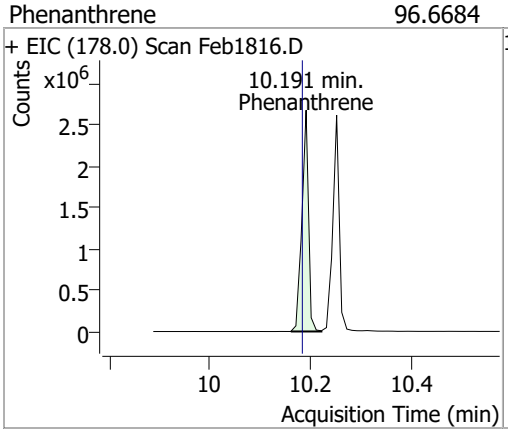
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	101.7675	9.97	0.00	238505	267.9	63.6	41.5	77.2
					263.9	63.4	41.2	76.6

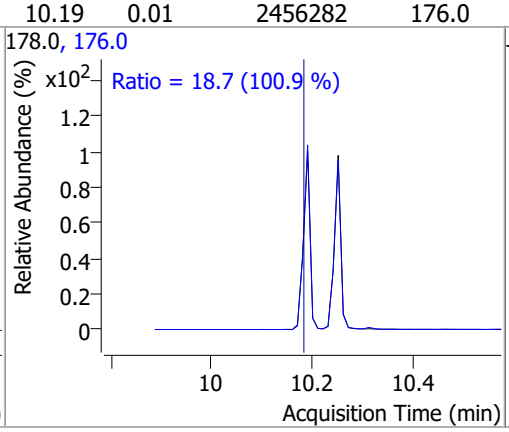


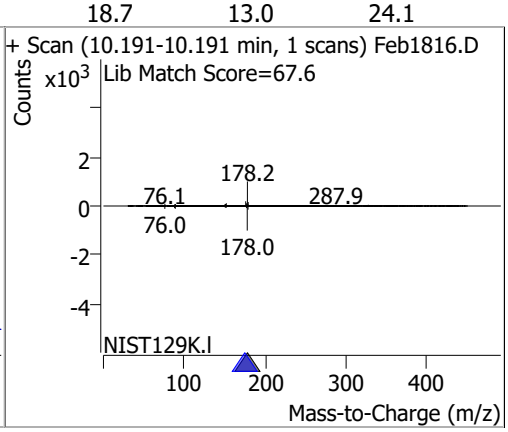




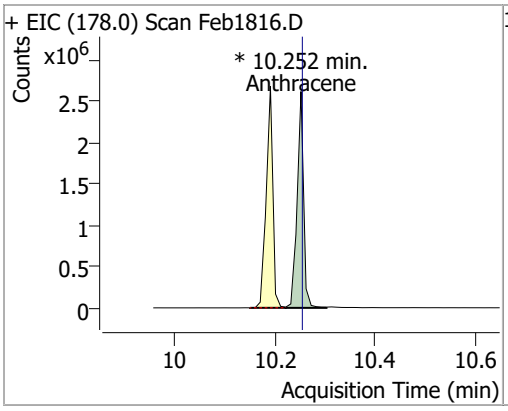
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	96.6684	10.19	0.01	2456282	176.0	18.7	13.0	24.1

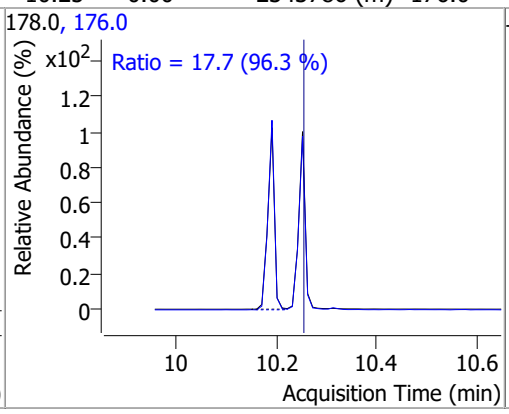


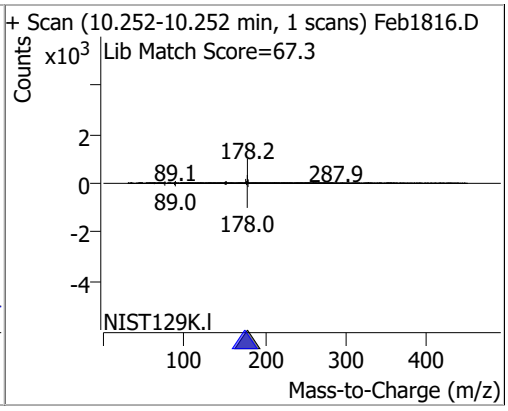




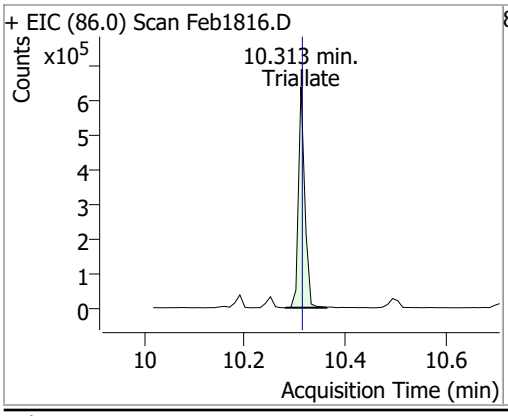
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	96.4654	10.25	0.00	2343786 (m)	176.0	17.7	12.9	23.9

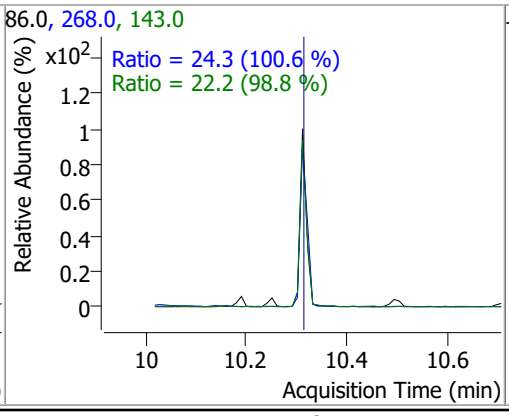


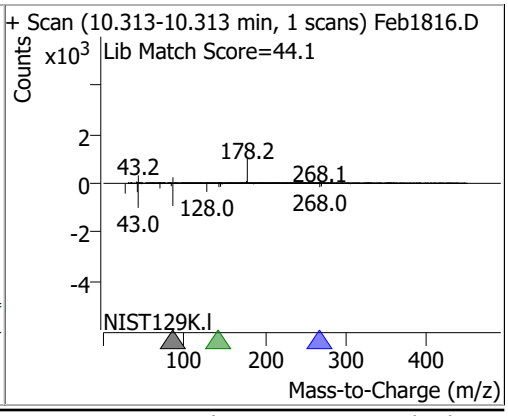




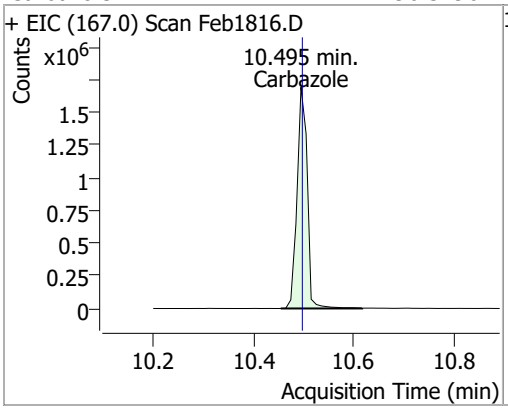
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	93.9925	10.31	0.00	557371	268.0	24.3	16.9	31.4
					143.0	22.2	15.8	29.3

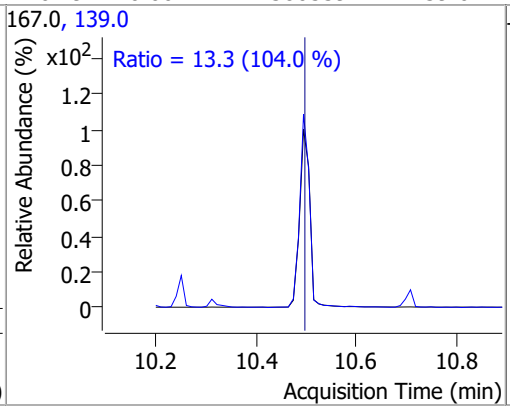


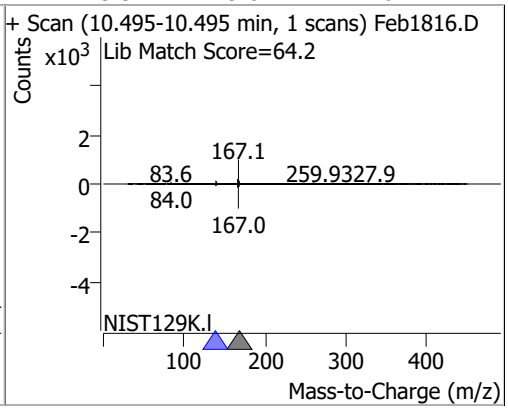




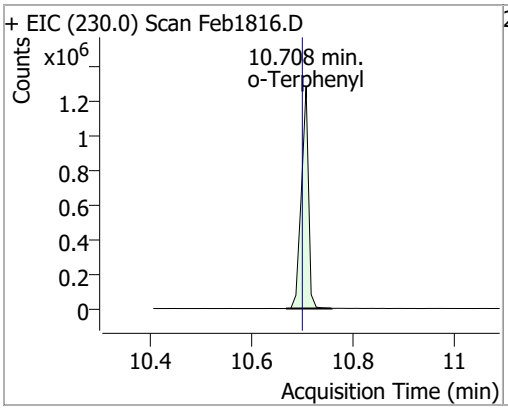
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	96.3496	10.49	0.00	2380539	139.0	13.3	9.0	16.7

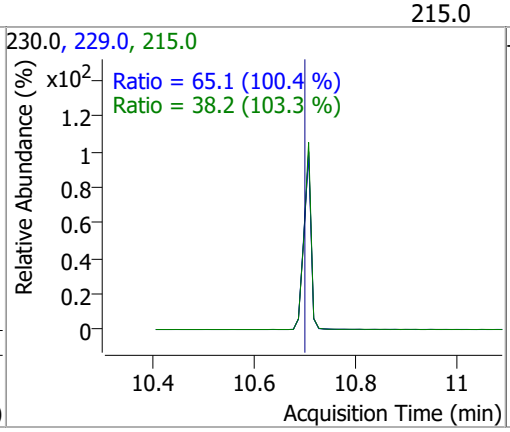


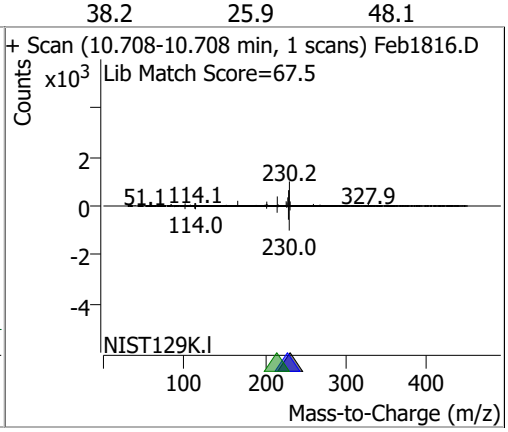




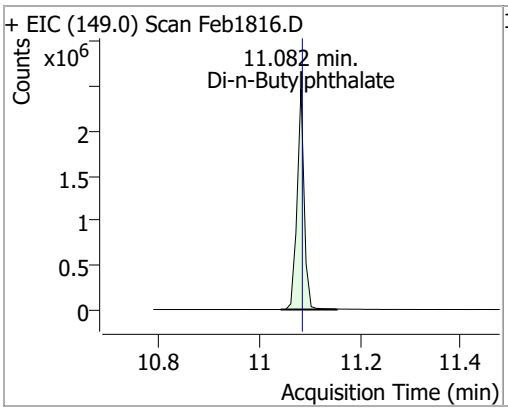
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	92.9410	10.71	0.01	1265554	229.0	65.1	45.4	84.3
					215.0	38.2	25.9	48.1

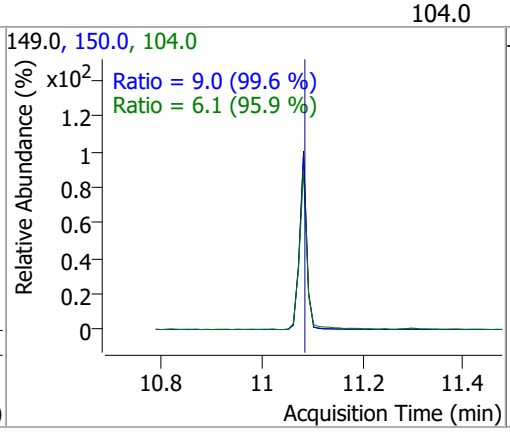


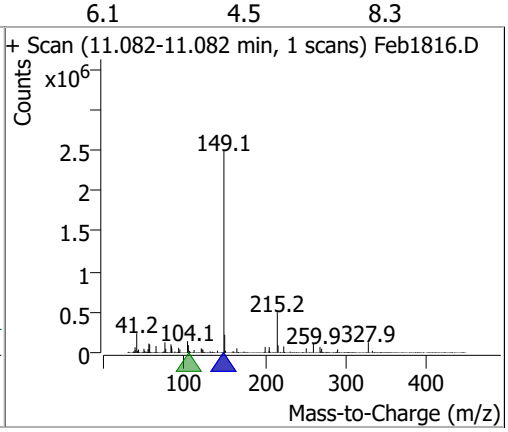




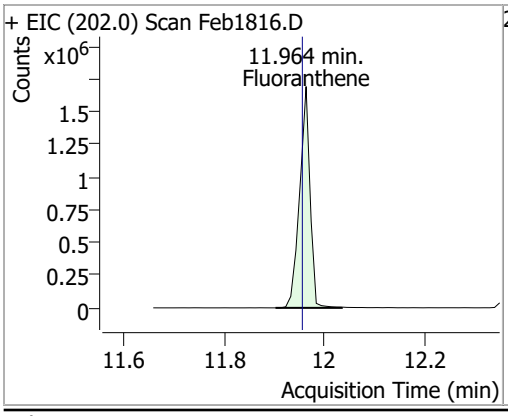
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	99.9731	11.08	0.00	2425933	150.0	9.0	6.3	11.8
					104.0	6.1	4.5	8.3

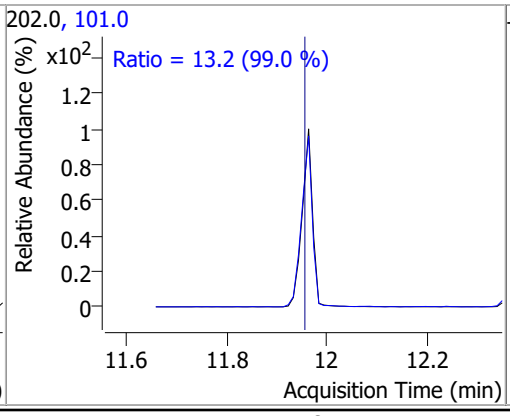


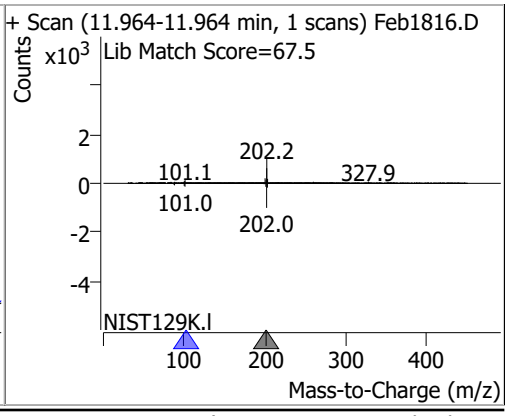




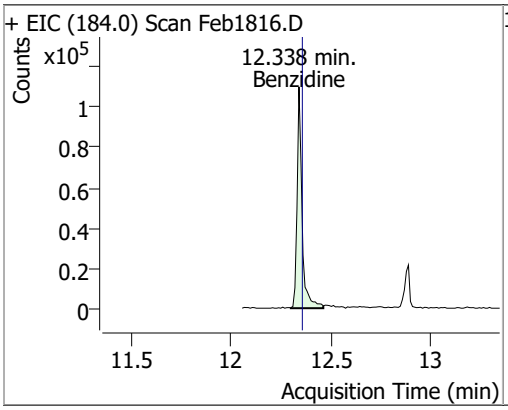
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	94.4396	11.96	0.01	2439462	101.0	13.2	9.4	17.4

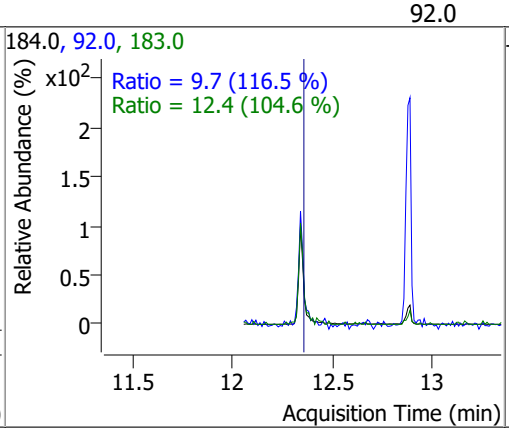


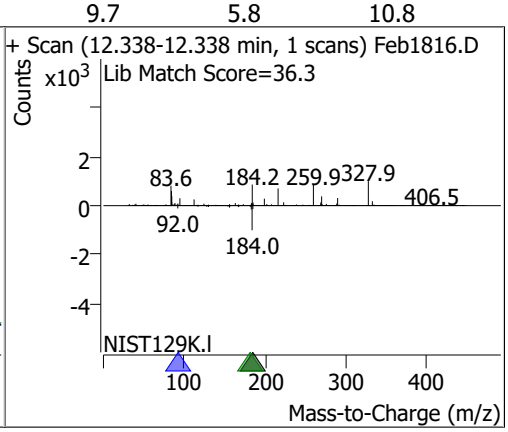




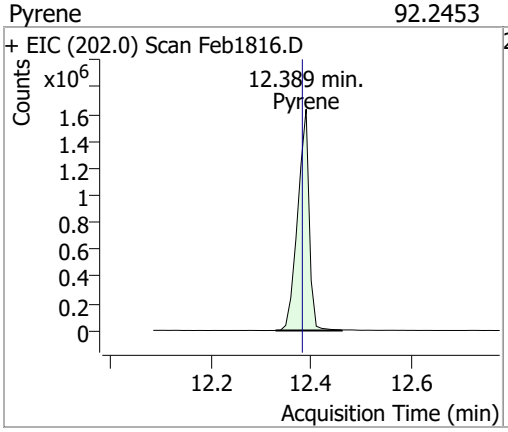
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	20.2375	12.34	-0.01	188674	183.0	12.4	8.3	15.4
					92.0	9.7	5.8	10.8

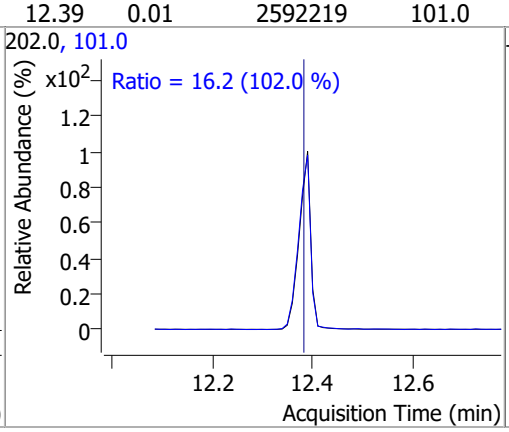


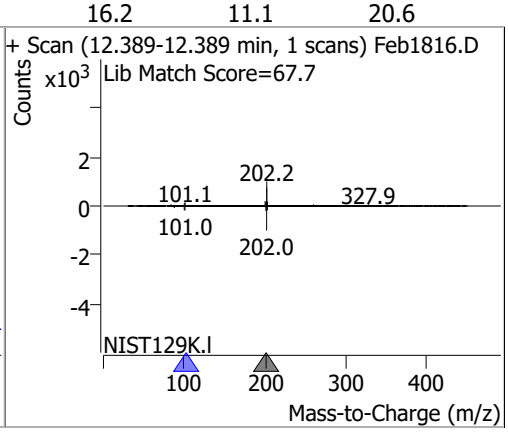




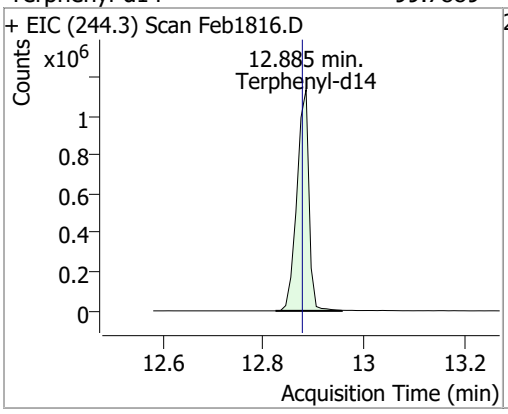
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	92.2453	12.39	0.01	2592219	101.0	16.2	11.1	20.6

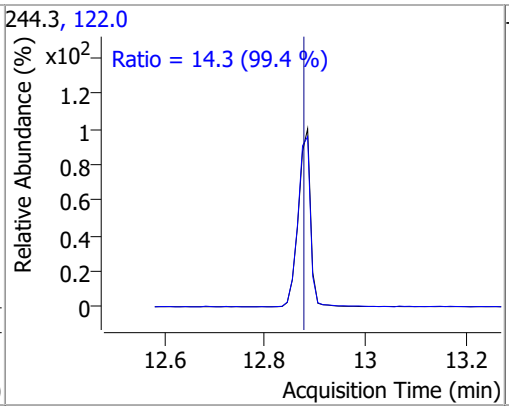


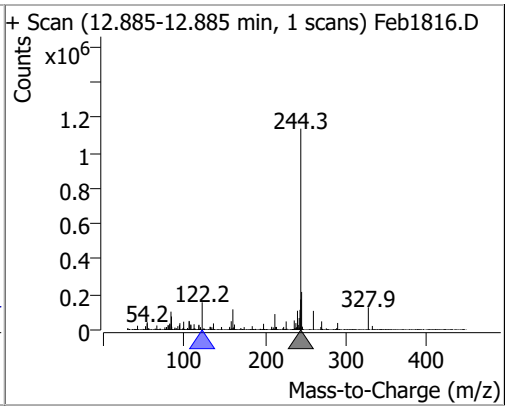




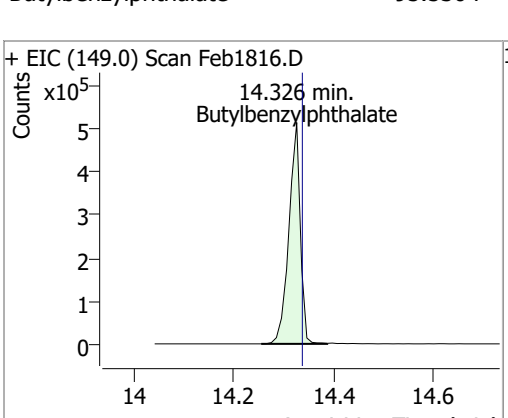
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	99.7889	12.89	0.01	1890224	122.0	14.3	10.1	18.7

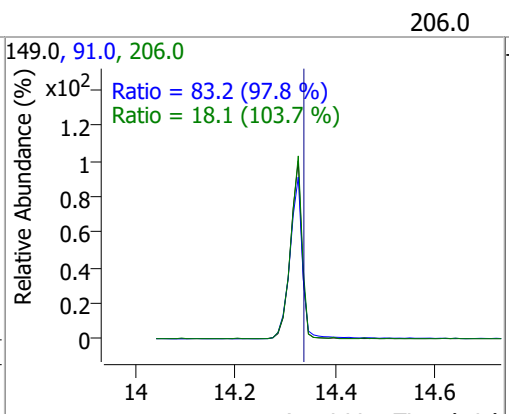


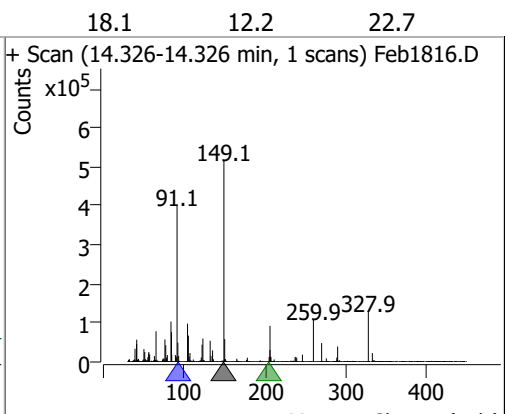




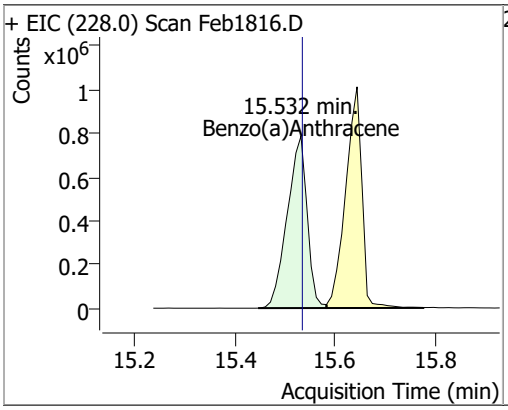
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	95.5304	14.33	0.01	822113	91.0	83.2	59.6	110.6
					206.0	18.1	12.2	22.7

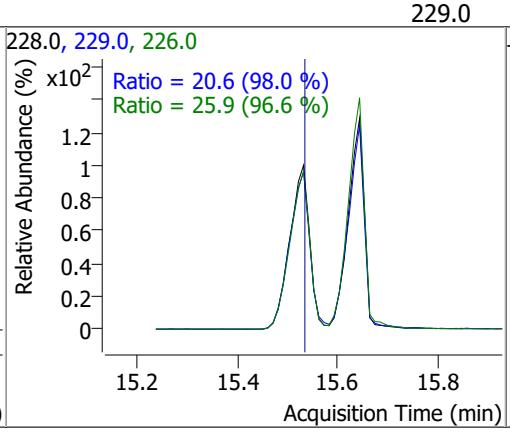


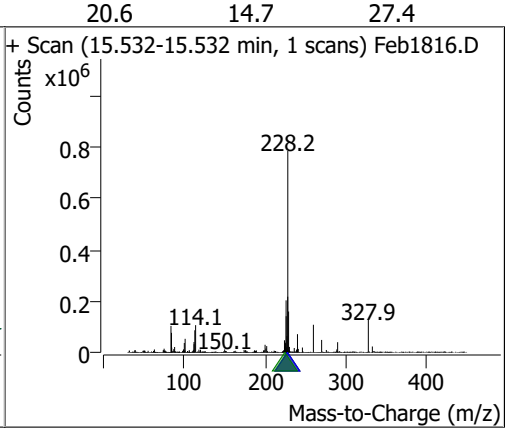




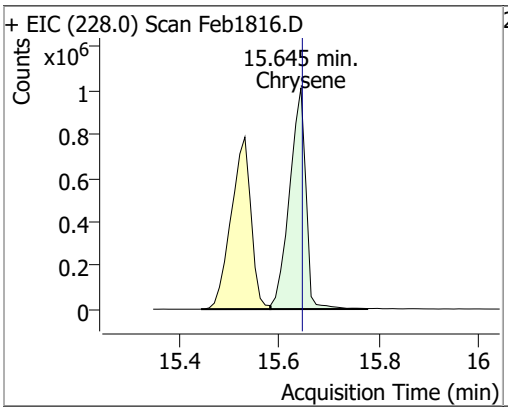
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	100.2859	15.53	0.02	2173145	226.0	25.9	18.8	34.9
					229.0	20.6	14.7	27.4

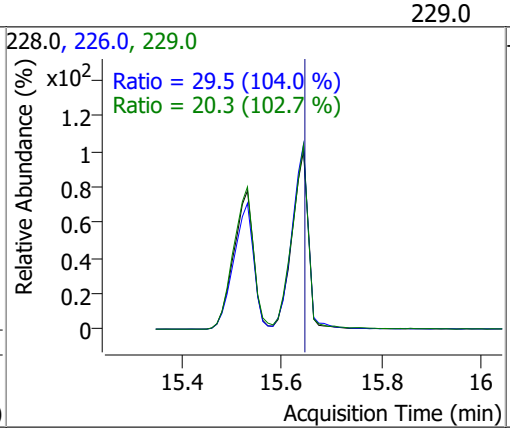


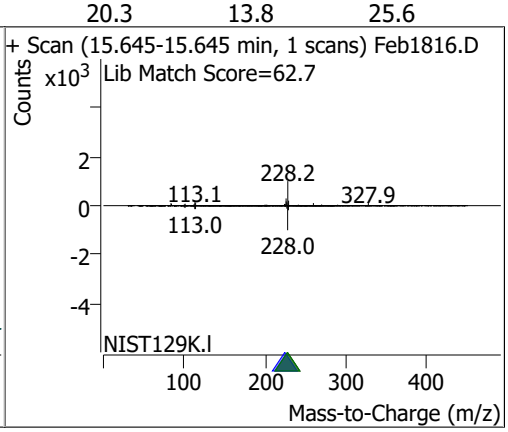




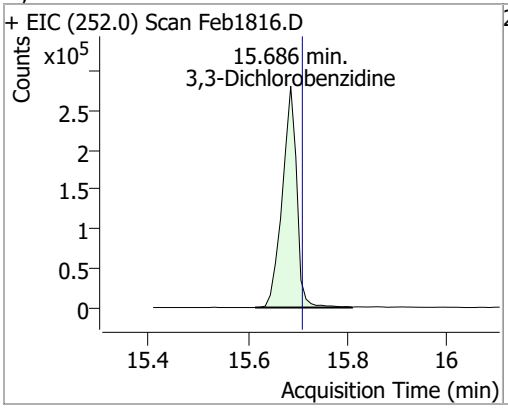
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	95.3801	15.64	0.02	2297117	226.0	29.5	19.9	36.9
					229.0	20.3	13.8	25.6

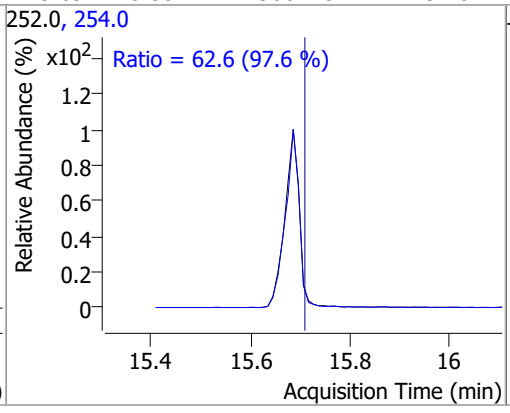


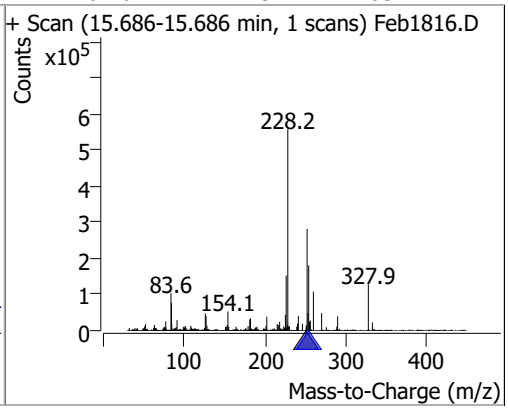




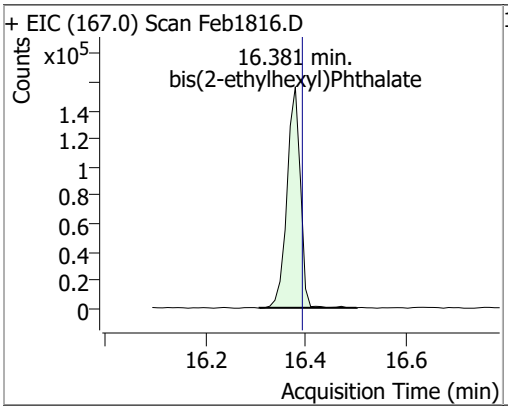
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	74.3920	15.69	0.00	566118	254.0	62.6	44.9	83.4

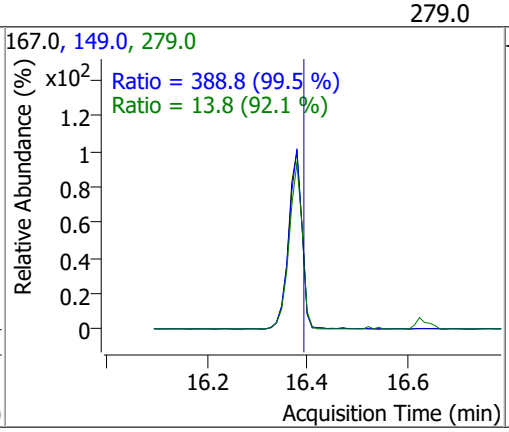


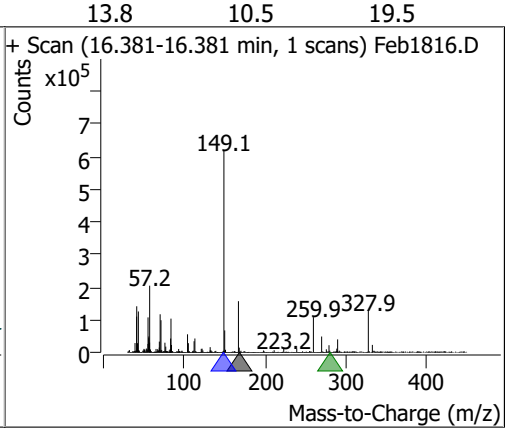




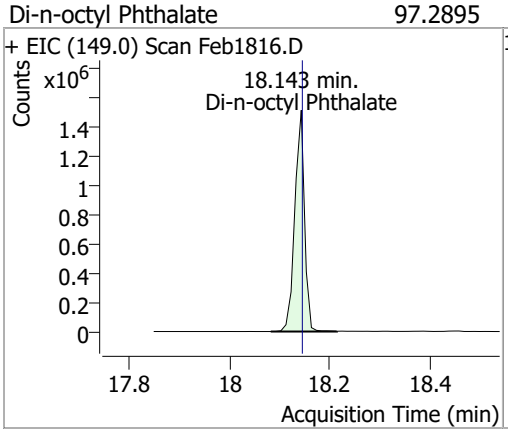
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	97.4358	16.38	0.01	291197	149.0	388.8	273.6	508.0
					279.0	13.8	10.5	19.5

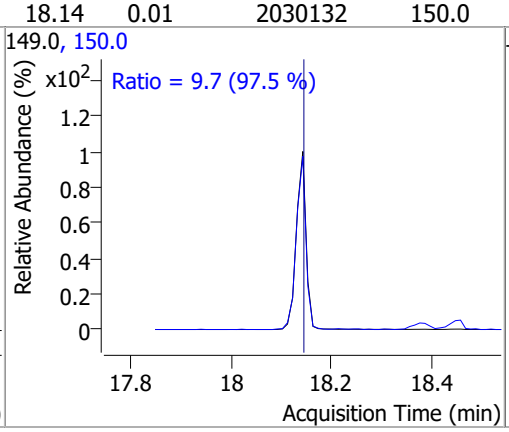


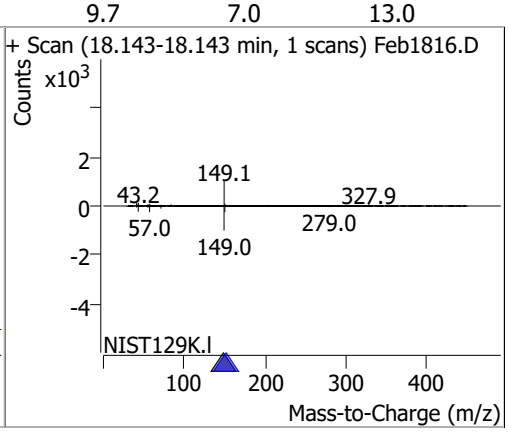




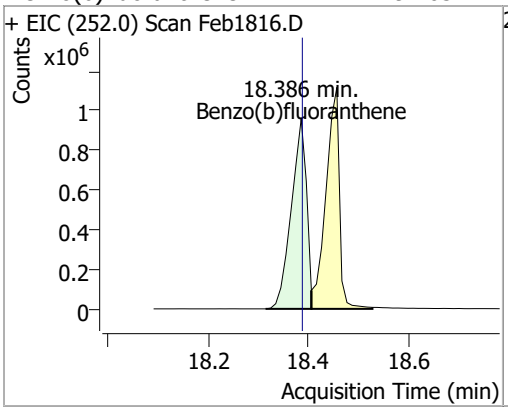
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	97.2895	18.14	0.01	2030132	150.0	9.7	7.0	13.0

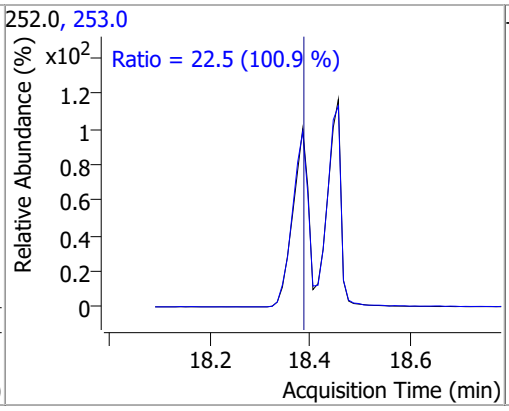


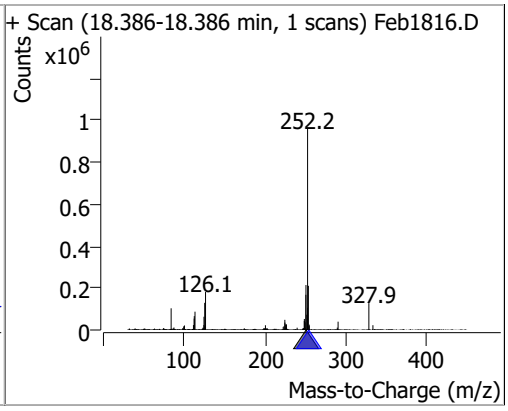




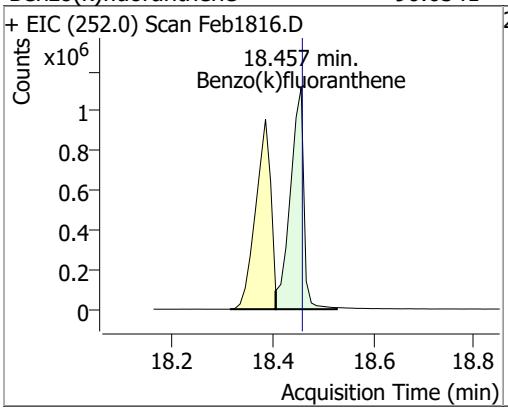
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	92.0372	18.39	0.01	1997422	253.0	22.5	15.6	29.0

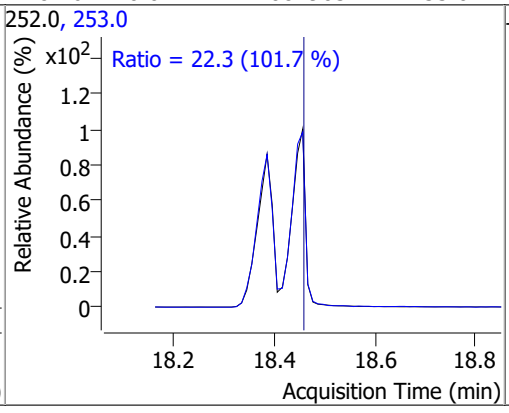


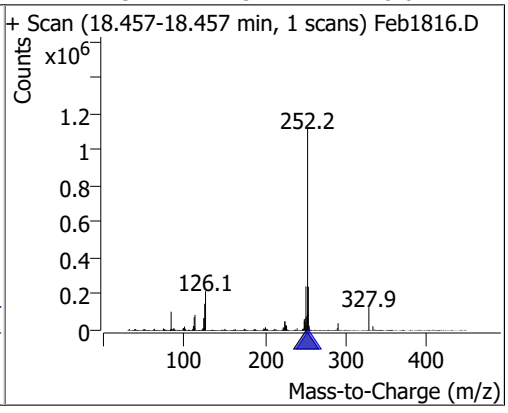




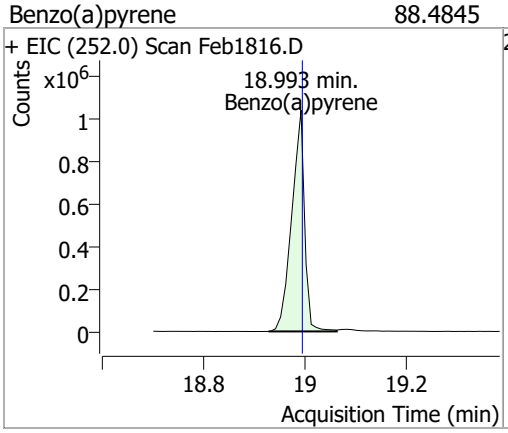
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	90.6541	18.46	0.01	2081903	253.0	22.3	15.4	28.6

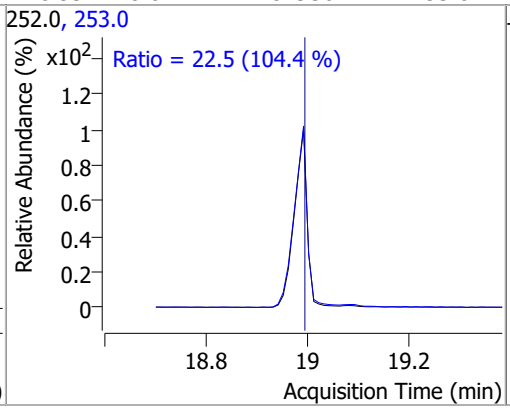


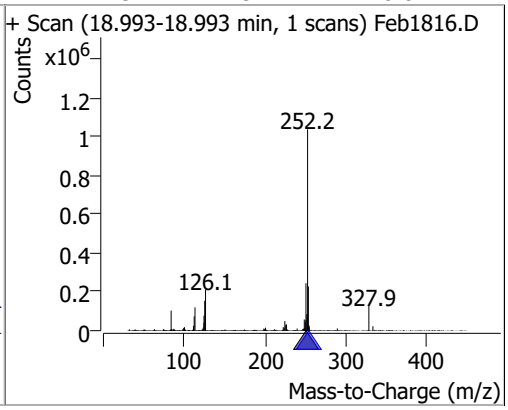




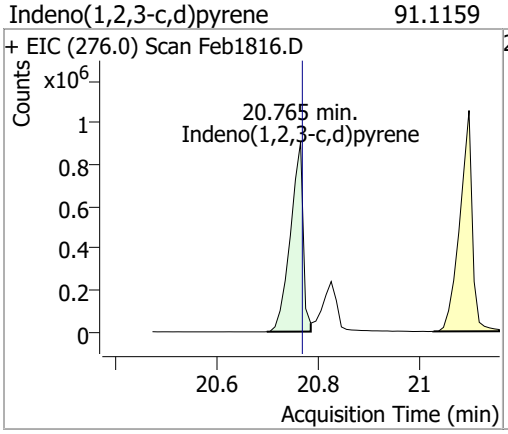
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	88.4845	18.99	0.01	1829561	253.0	22.5	15.1	28.0

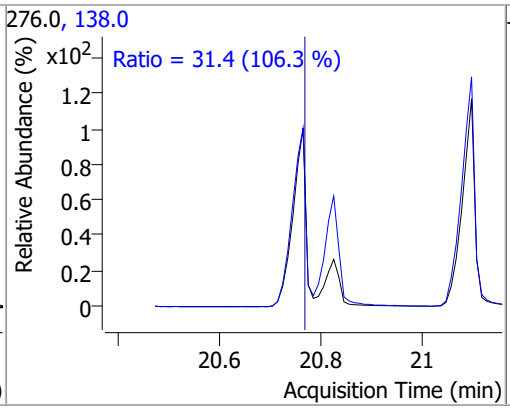


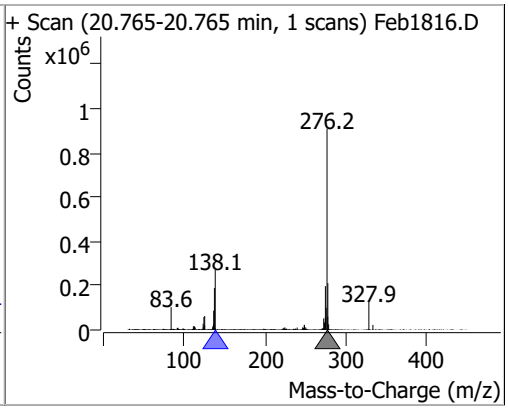




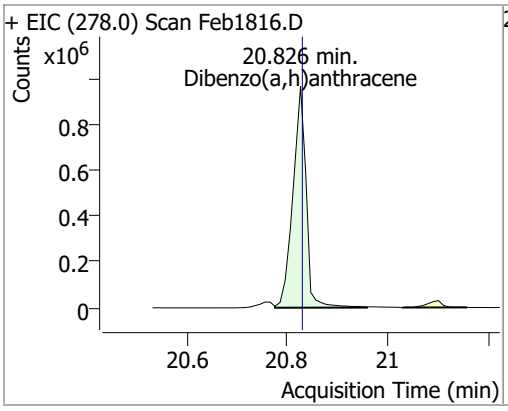
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	91.1159	20.77	0.01	1578527	138.0	31.4	20.7	38.5

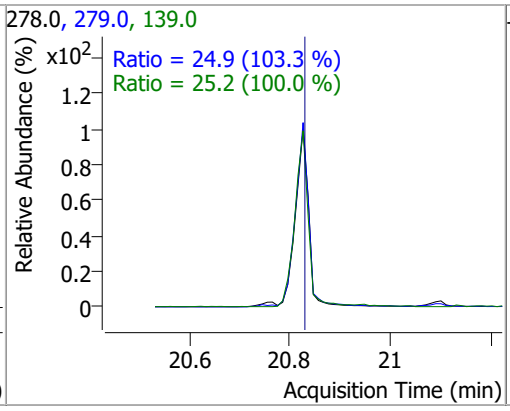


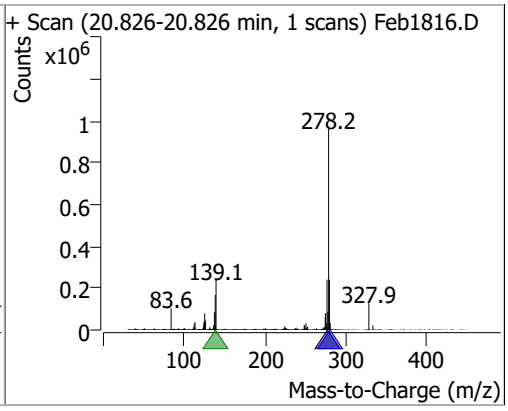




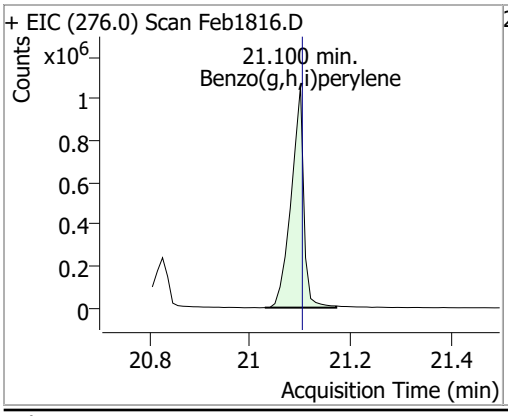
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	92.9687	20.83	0.01	1757287	139.0	25.2	17.6	32.7
					279.0	24.9	16.9	31.3

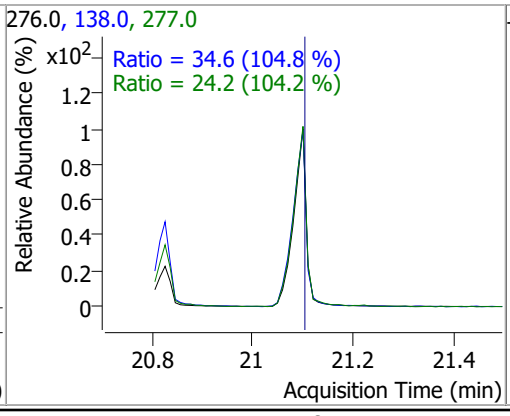


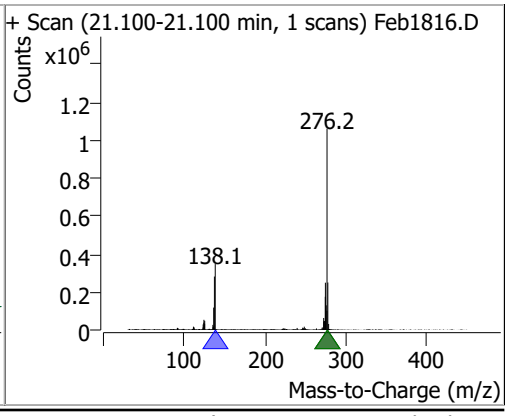




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	91.7932	21.10	0.01	1834971	138.0	34.6	23.1	42.9
					277.0	24.2	16.3	30.2

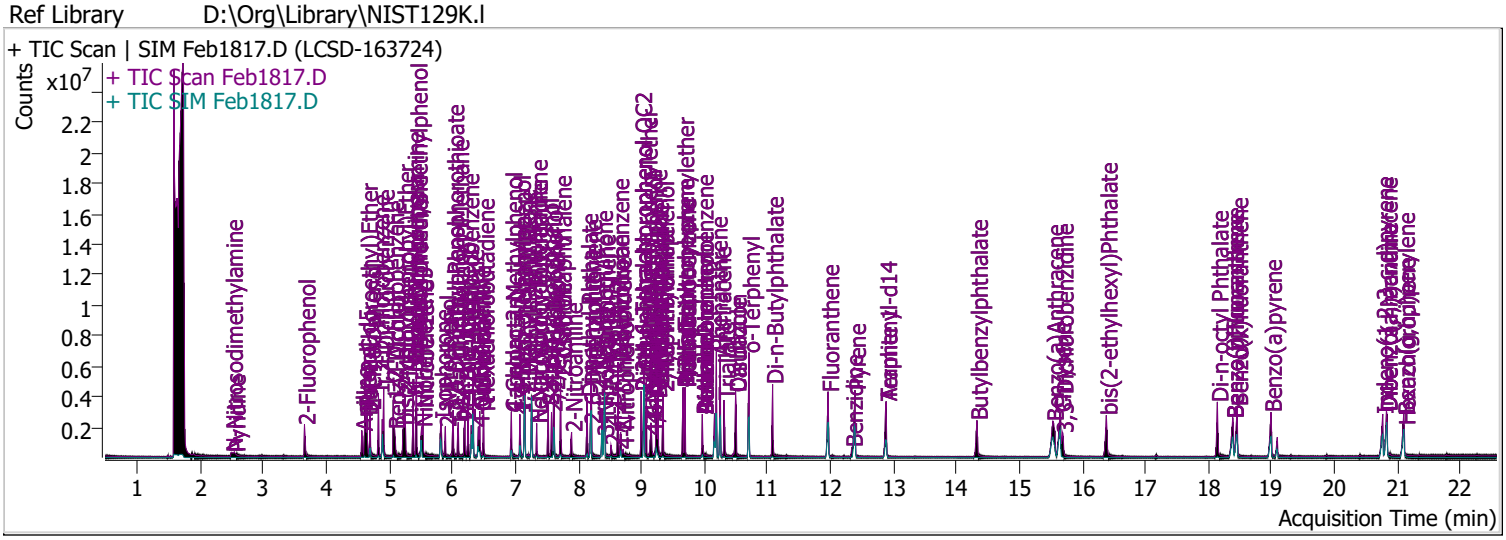






Quantitation Results Report (QT Reviewed)

Data File	Feb1817.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 4:38:11 PM
Sample Name	LCSD-163724	Instrument	Instrument #1
Vial	17	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



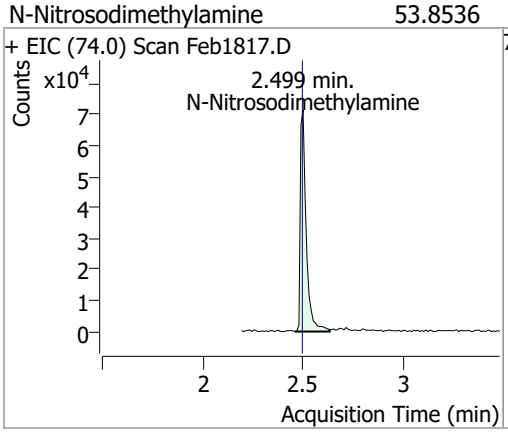
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	731491	78.3066	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 39.15%			
S Phenol-d5	4.613	99.0	1020514	85.1217	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 42.56%			
S Nitrobenzene-d5	5.512	82.0	548705	81.8175	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 81.82%			
S 2-Fluorobiphenyl	7.615	172.0	1661623	85.7735	µg/L		0.010
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 85.77%			
S 2,4,6-Tribromophenol	9.346	329.8	367875	182.5204	µg/L		0.010
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 91.26%			
S Terphenyl-d14	12.885	244.3	2067821	102.0971	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 102.10%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.499	74.0	146742	53.8536	µg/L		91
T Pyridine	2.540	79.0	266643	38.5727	µg/L		98
T Aniline	4.562	93.0	856490	49.8189	µg/L	m	97
T Phenol	4.623	94.0	663834	49.9716	µg/L		89
T bis(-2-Chloroethyl)Ether	4.644	63.0	706215	78.2003	µg/L	m	97
T 2-Chlorophenol	4.695	128.0	757195	70.7789	µg/L		99
T 1,3-Dichlorobenzene	4.828	146.0	921522	66.8702	µg/L	m	99
T 1,4-Dichlorobenzene	4.909	146.0	931046	66.9263	µg/L	m	99
T 1,2-Dichlorobenzene	5.063	146.0	905959	67.5089	µg/L		99
T Benzyl Alcohol	5.083	108.0	379572	71.4775	µg/L		97
T bis(2-chloroisopropyl)Ether	5.226	121.0	246182	68.1941	µg/L		97
T 2-Methylphenol	5.246	107.0	749921	80.8434	µg/L		95
T N-nitroso-Di-n-propylamine	5.379	70.0	664837	101.5848	µg/L		97
T 4Methylphenol/3Methylphenol	5.430	107.0	1068634	84.8619	µg/L		99
T Hexachloroethane	5.430	117.0	227105	55.9791	µg/L		84

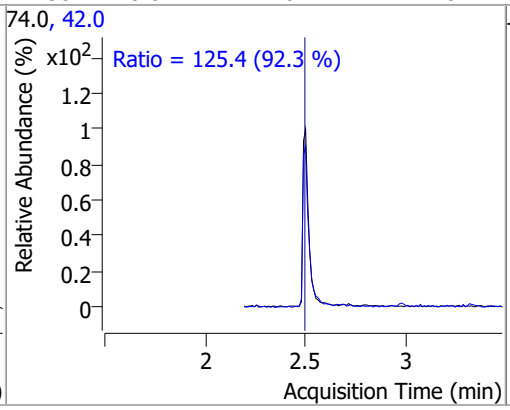
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.532	123.1	320629	96.1775	µg/L		100
T Isophorone	5.818	82.0	1394842	85.8817	µg/L		99
T 2-Nitrophenol	5.890	139.0	329542	88.8447	µg/L		98
T 2,4-Dimethylphenol	6.013	122.0	656449	87.5029	µg/L		100
T bis(-2-Chloroethoxy)Methane	6.095	93.0	864099	90.7592	µg/L		97
T 2,4-Dichlorophenol	6.198	162.0	567267	78.6105	µg/L		97
T Benzoic Acid	6.198	105.0	105225	31.8182	µg/L	#	83
T 1,2,4-Trichlorobenzene	6.249	180.0	639500	73.7524	µg/L		100
T Naphthalene	6.331	128.0	2188991	85.9185	µg/L		99
T 4-Chlorophenol	6.413	130.0	202982	75.0525	µg/L		97
T p-Chloroaniline	6.434	127.0	740594	73.5508	µg/L		99
T Hexachlorobutadiene	6.496	224.9	325291	72.5363	µg/L		99
T 4-Chloro-2-Methylphenol	6.937	107.0	596161	89.6296	µg/L	m	95
T 4-Chloro-3-Methylphenol	7.071	107.0	636364	91.1575	µg/L	m	97
T 2-Methylnaphthalene	7.153	141.0	1348720	92.1358	µg/L		98
T 1-Methylnaphthalene	7.255	141.0	1169318	82.2967	µg/L	m	97
T Hexachlorocyclopentadiene	7.338	236.9	218680	79.9142	µg/L		97
T 2,4,6-Trichlorophenol	7.522	196.0	452699	94.1385	µg/L	m	100
T 2,4,5-Trichlorophenol	7.574	196.0	446352	83.4736	µg/L	m	94
T 2-Chloronaphthalene	7.718	162.0	1420664	87.3647	µg/L		98
T 2-Nitroaniline	7.892	65.0	287797	98.2821	µg/L		99
T Dimethyl Phthalate	8.139	163.0	1658944	99.5583	µg/L		98
T 2,6-Dinitrotoluene	8.190	165.0	213503	94.6751	µg/L		90
T Acenaphthylene	8.200	152.1	2307362	88.8083	µg/L		99
T 3-Nitroaniline	8.394	138.0	220827	85.9335	µg/L		95
T Acenaphthene	8.415	154.0	1443838	98.2159	µg/L		98
T 2,4-Dinitrophenol	8.517	184.0	109510	92.7690	µg/L		91
T Dibenzofuran	8.630	168.0	2194616	90.9985	µg/L		97
T 2,4-Dinitrotoluene	8.671	165.0	272504	94.5728	µg/L		97
T 4-Nitrophenol	8.711	109.0	100807	39.1277	µg/L		99
T Diethylphthalate	8.998	149.0	1643005	95.2040	µg/L		99
T Fluorene	9.039	166.0	1722341	88.3509	µg/L		100
T 4-Chlorophenyl-phenylether	9.080	204.0	933069	104.6332	µg/L		99
T 4-Nitroaniline	9.151	138.0	276941	96.5971	µg/L		99
T 4,6-Dinitro-2-methylphenol	9.162	198.0	153887	88.0254	µg/L		96
T N-nitrosodiphenylamine	9.233	169.0	1323156	99.4366	µg/L		98
T Azobenzene	9.264	77.0	1523922	86.3002	µg/L		94
T 4-Bromophenyl-phenylether	9.663	248.0	518024	100.4969	µg/L		98
T Hexachlorobenzene	9.694	283.9	474881	93.2563	µg/L		100
T Pentachlorophenol	9.968	265.9	261837	103.9201	µg/L		96
T Phenanthrene	10.191	178.0	2554166	93.7934	µg/L		99
T Anthracene	10.252	178.0	2466442	94.9415	µg/L	m	99
T Triallate	10.313	86.0	582930	92.2071	µg/L		99
T Carbazole	10.495	167.0	2612382	98.8542	µg/L		99
T o-Terphenyl	10.708	230.0	1384295	95.1386	µg/L		99
T Di-n-Butylphthalate	11.082	149.0	2648677	101.7237	µg/L		99
T Fluoranthene	11.963	202.0	2654095	96.0829	µg/L		100
T Benzidine	12.338	184.0	399463	39.5313	µg/L		99
T Pyrene	12.389	202.0	2820024	93.8750	µg/L		99
T Butylbenzylphthalate	14.326	149.0	919992	102.1230	µg/L		98
T Benzo(a)Anthracene	15.532	228.0	2336100	105.0410	µg/L		99
T Chrysene	15.645	228.0	2488700	100.9429	µg/L		99
T 3,3-Dichlorobenzidine	15.686	252.0	631463	80.0220	µg/L		100
T bis(2-ethylhexyl)Phthalate	16.380	167.0	335192	106.2539	µg/L		96
T Di-n-octyl Phthalate	18.143	149.0	2225726	102.4781	µg/L		99

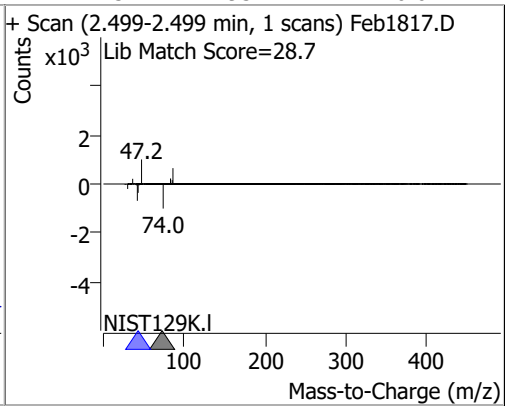
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.386	252.0	2246056	101.4242	µg/L	100
T Benzo(k)fluoranthene	18.456	252.0	2136394	90.6520	µg/L	99
T Benzo(a)pyrene	18.993	252.0	2046889	96.6283	µg/L	98
T Indeno(1,2,3-c,d)pyrene	20.765	276.0	1660169	93.4428	µg/L	96
T Dibenzo(a,h)anthracene	20.826	278.0	1995247	102.9883	µg/L	98
T Benzo(g,h,i)perylene	21.099	276.0	2064319	100.7959	µg/L	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

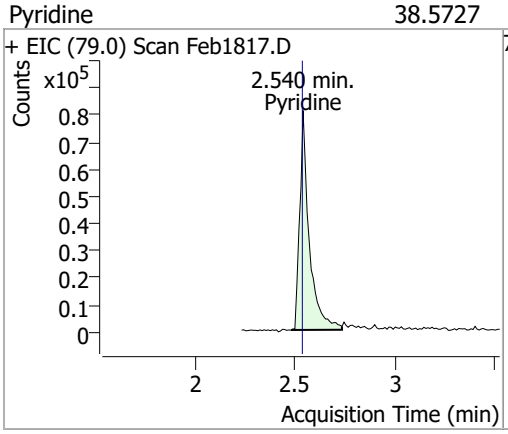
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	53.8536	2.50	0.01	146742	42.0	125.4	95.1	176.6

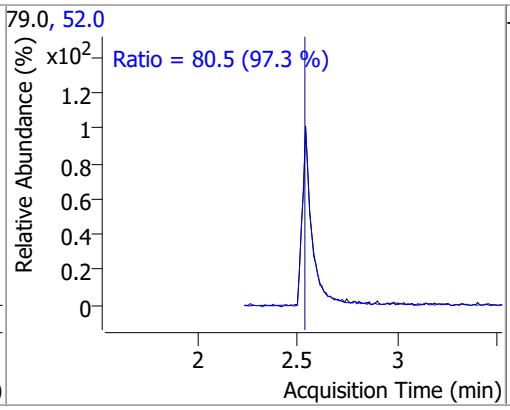


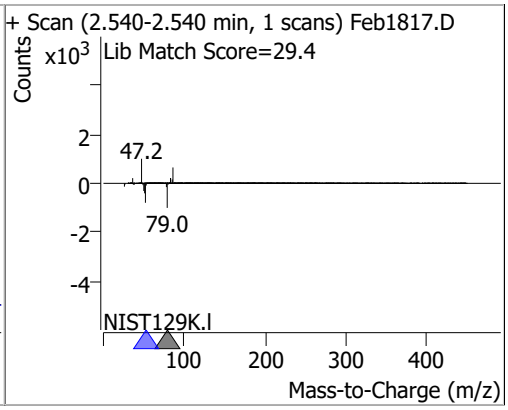




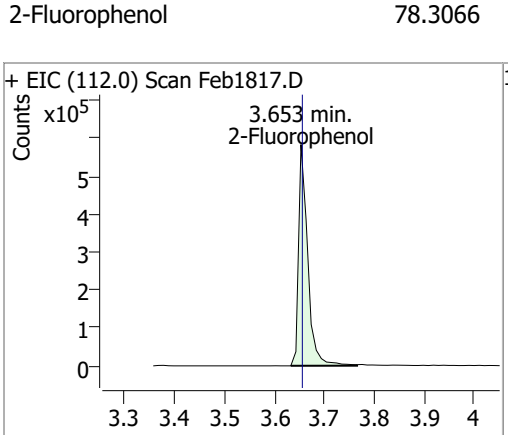
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	38.5727	2.54	0.01	266643	52.0	80.5	57.9	107.6

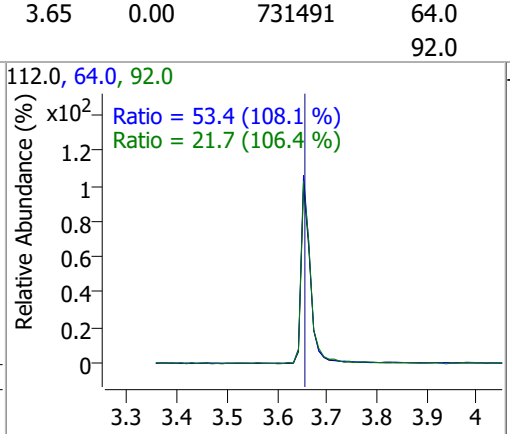


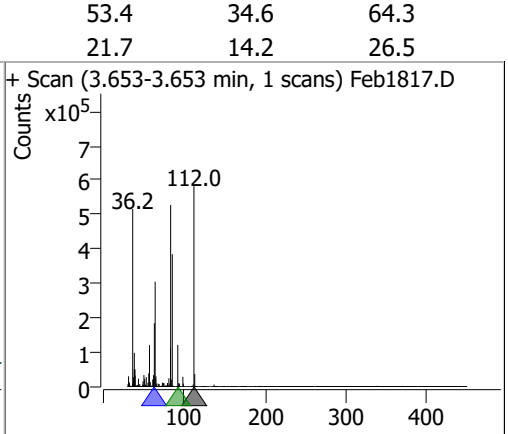




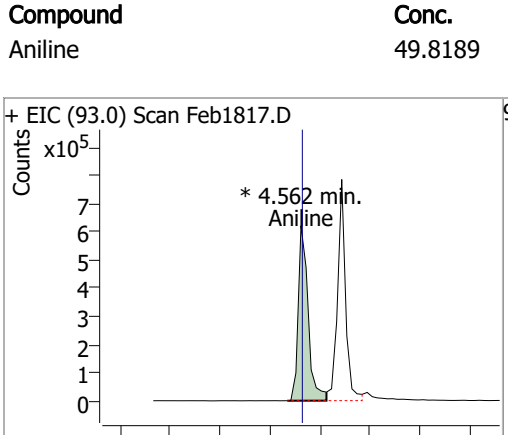
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	78.3066	3.65	0.00	731491	64.0	53.4	34.6	64.3
					92.0	21.7	14.2	26.5

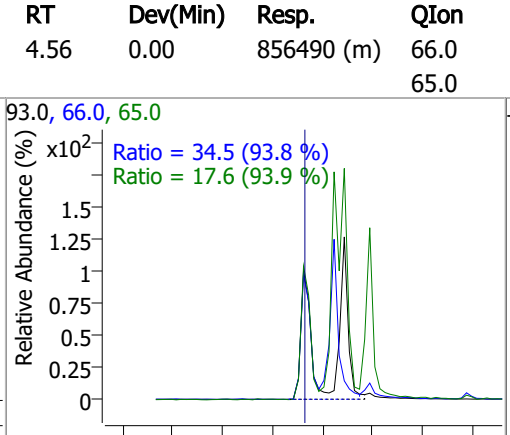


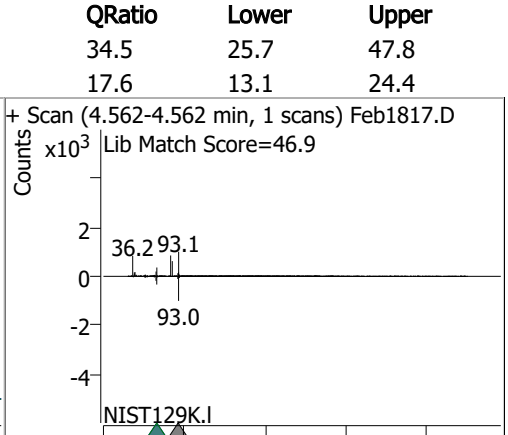




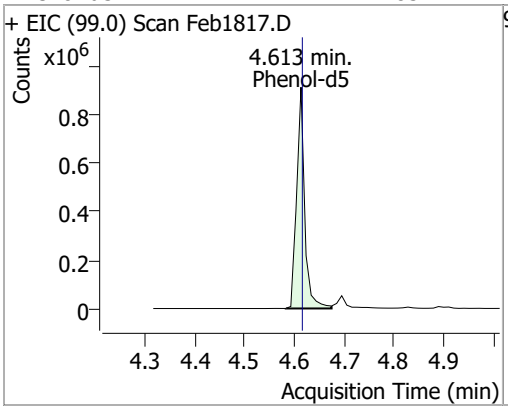
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	49.8189	4.56	0.00	856490 (m)	66.0	34.5	25.7	47.8
					65.0	17.6	13.1	24.4

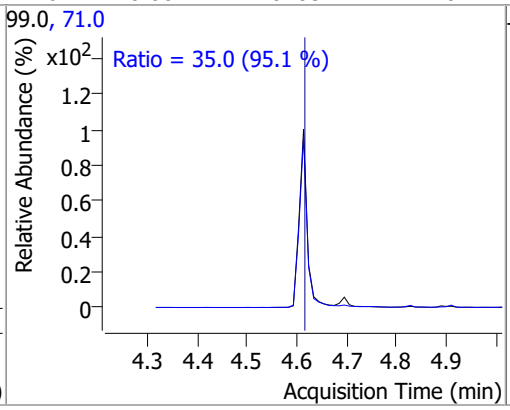


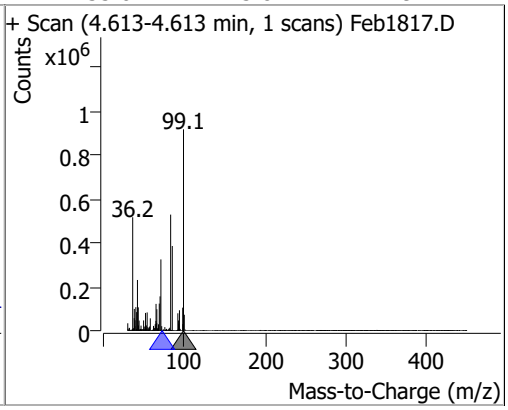




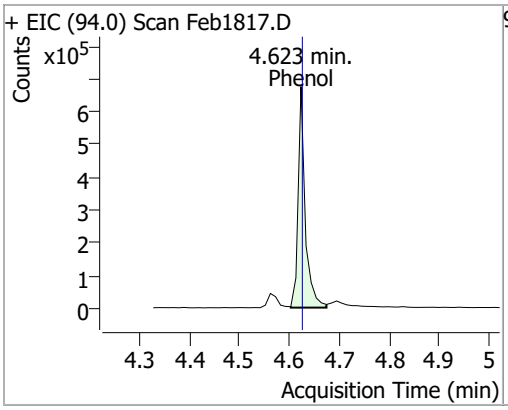
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	85.1217	4.61	0.00	1020514	71.0	35.0	25.8	47.9

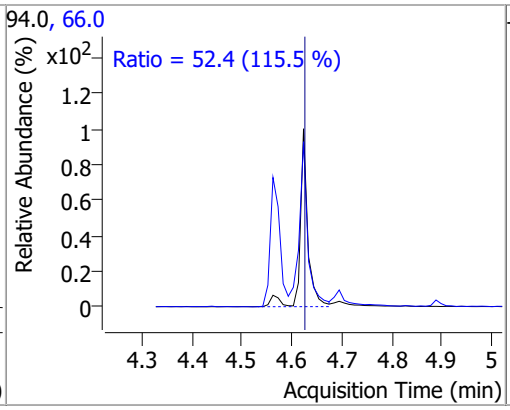


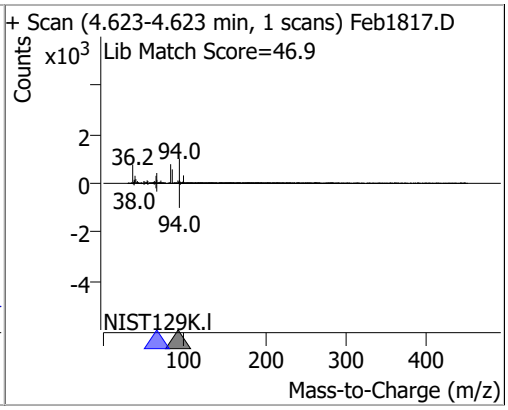




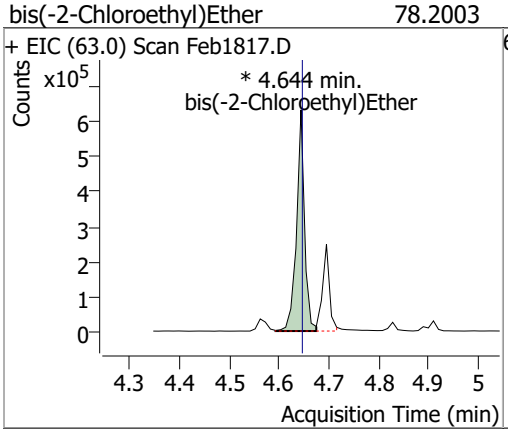
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	49.9716	4.62	0.00	663834	66.0	52.4	31.7	58.9

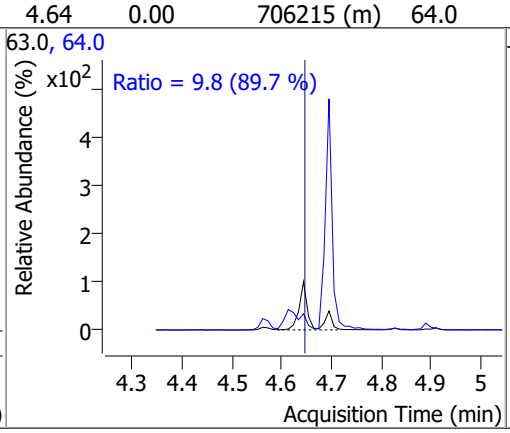


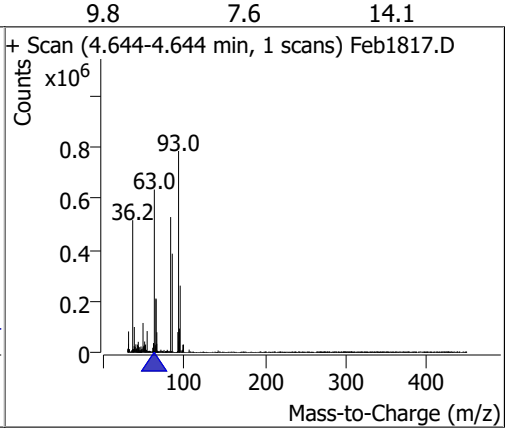




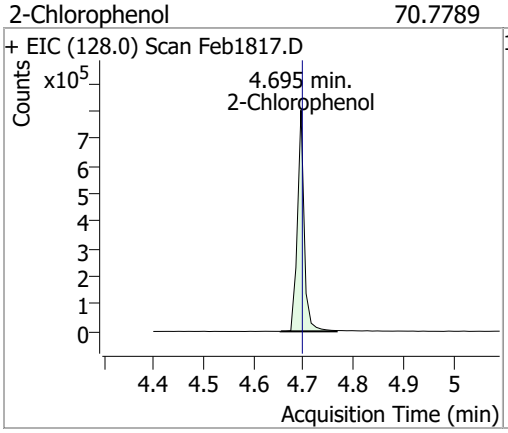
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	78.2003	4.64	0.00	706215 (m)	64.0	9.8	7.6	14.1

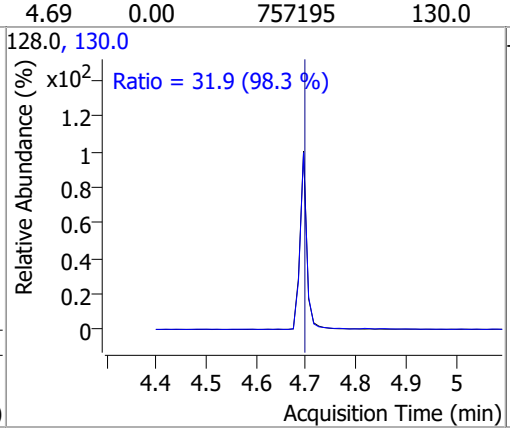


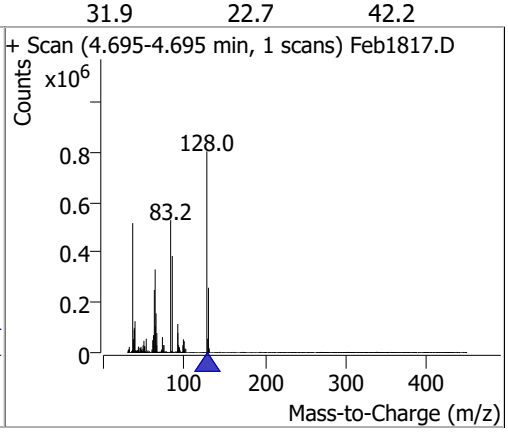




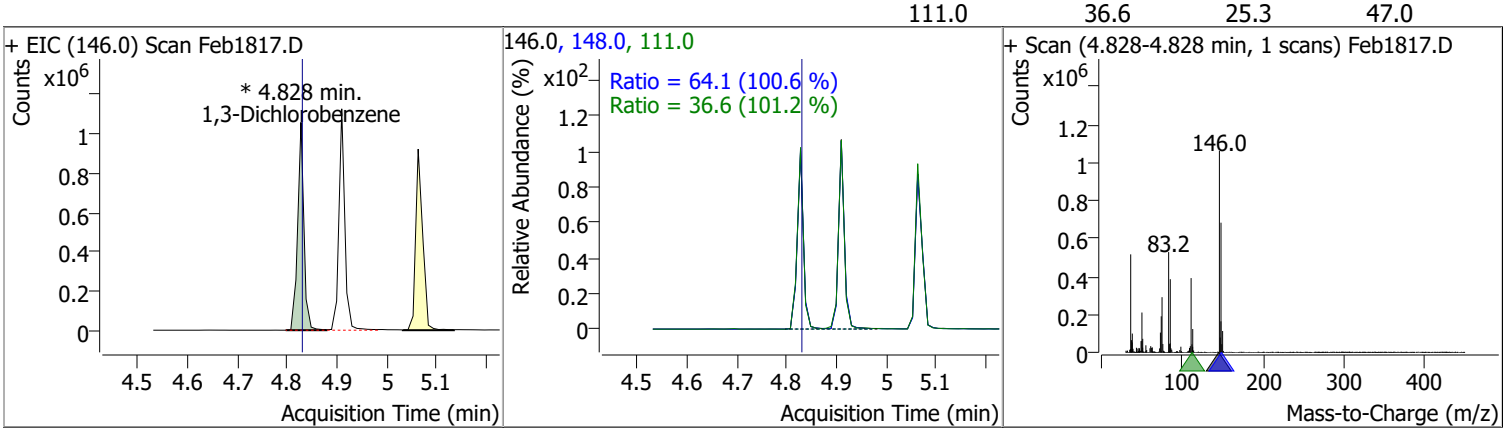
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	70.7789	4.69	0.00	757195	130.0	31.9	22.7	42.2



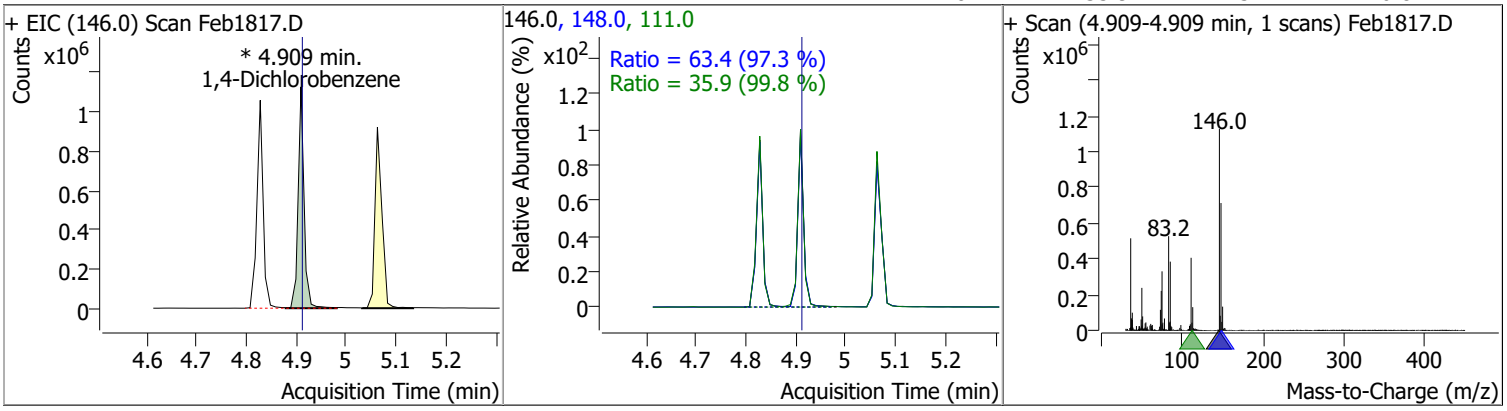




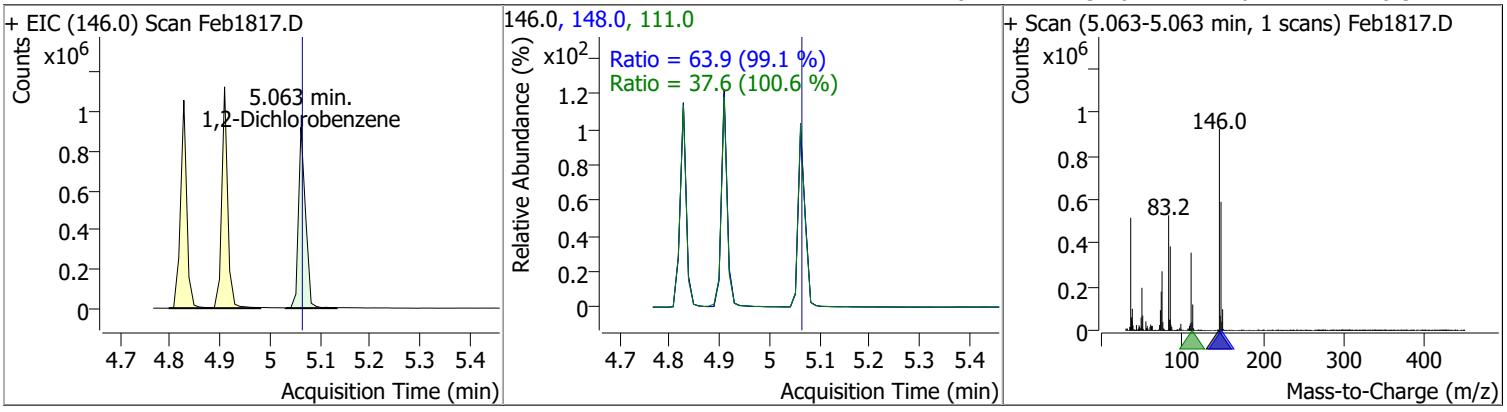
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	66.8702	4.83	0.00	921522 (m)	148.0	64.1	44.6	82.8
					111.0	36.6	25.3	47.0



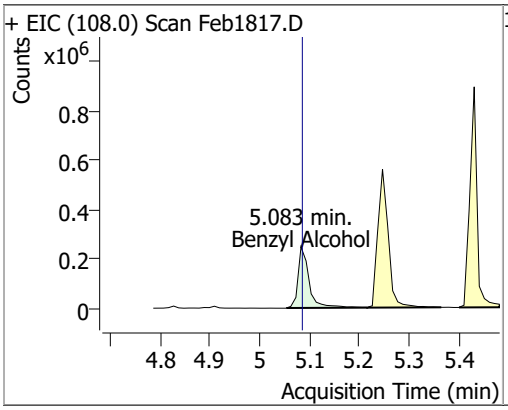
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	66.9263	4.91	0.00	931046 (m)	148.0	63.4	45.6	84.8
					111.0	35.9	25.2	46.8

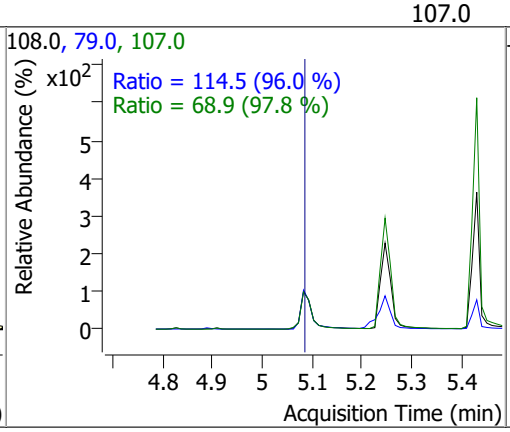


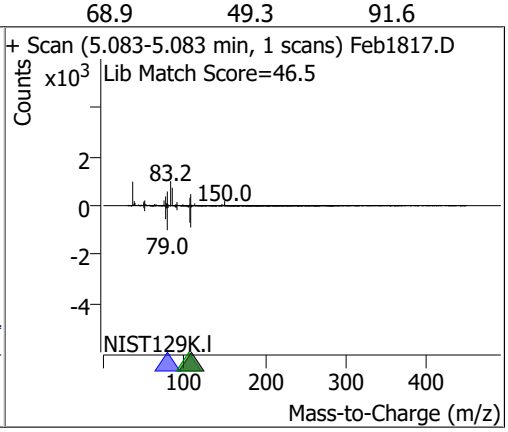
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	67.5089	5.06	0.00	905959	148.0	63.9	45.1	83.8
					111.0	37.6	26.1	48.5



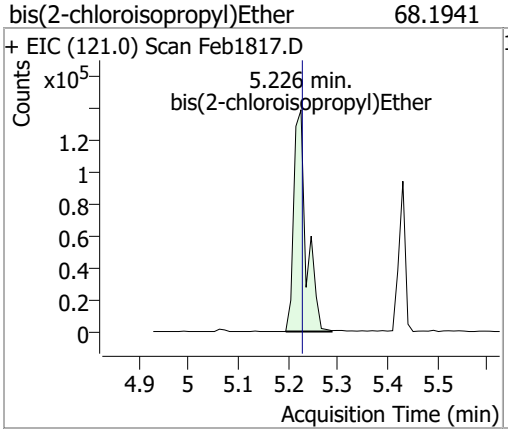
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	71.4775	5.08	0.00	379572	79.0	114.5	83.5	155.1
					107.0	68.9	49.3	91.6

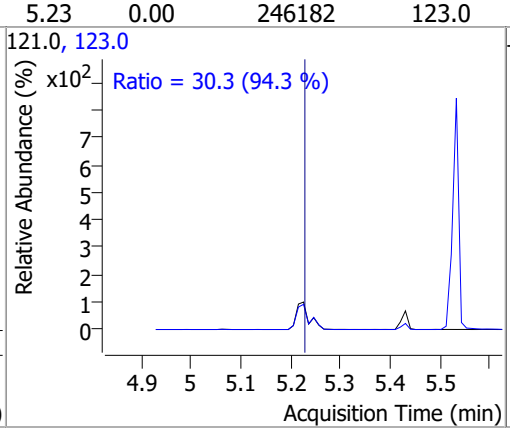


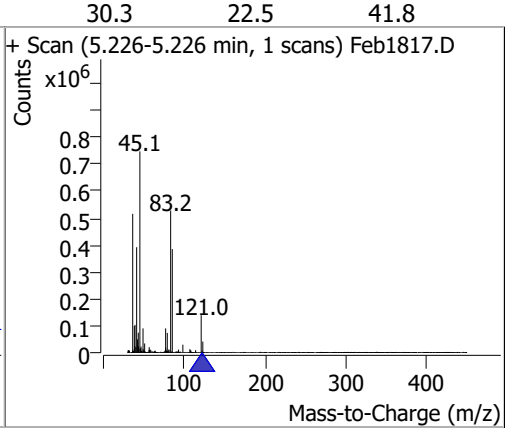




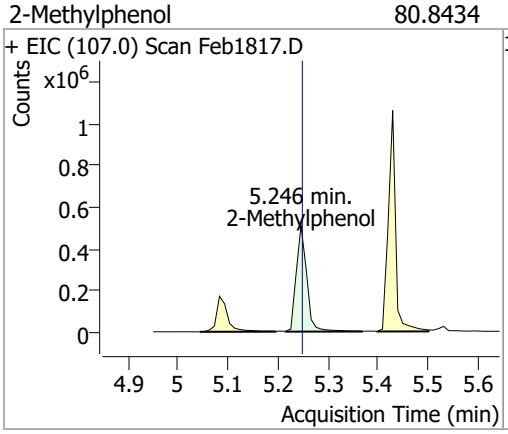
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	68.1941	5.23	0.00	246182	123.0	30.3	22.5	41.8

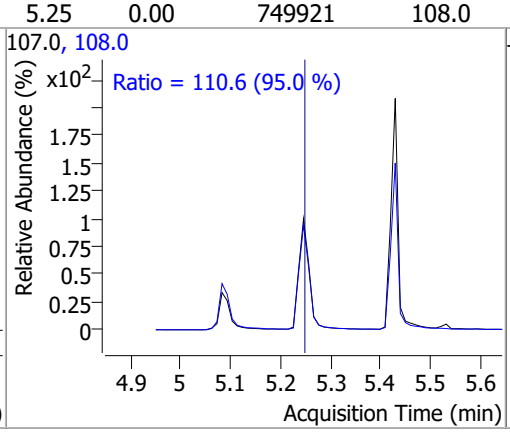


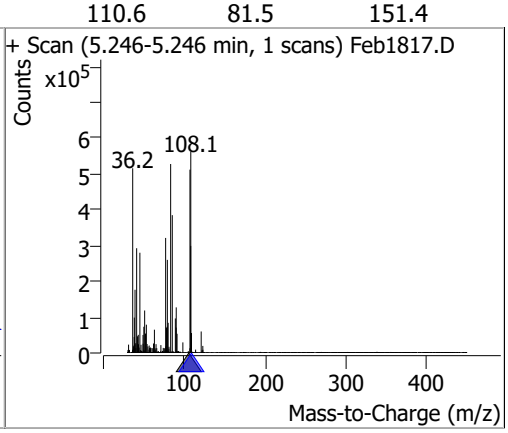




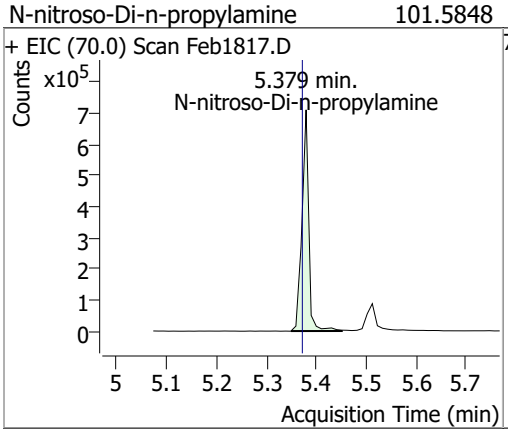
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	80.8434	5.25	0.00	749921	108.0	110.6	81.5	151.4

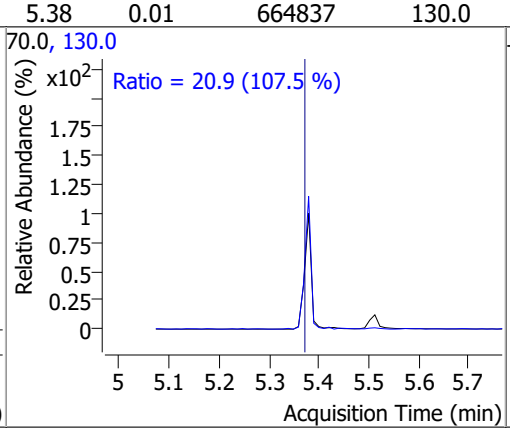


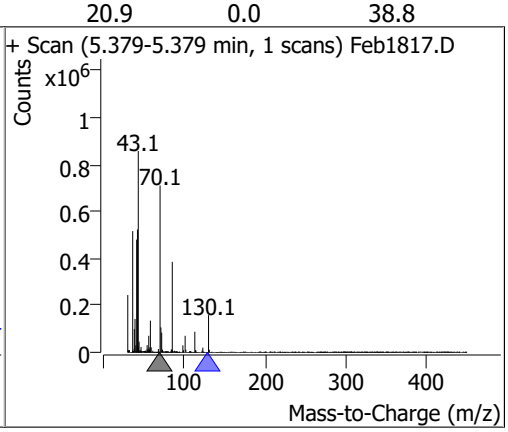




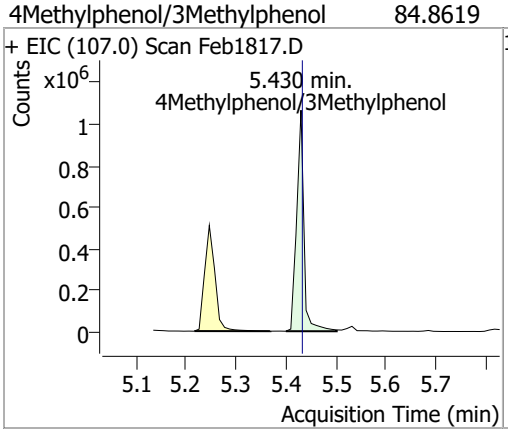
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	101.5848	5.38	0.01	664837	130.0	20.9	0.0	38.8

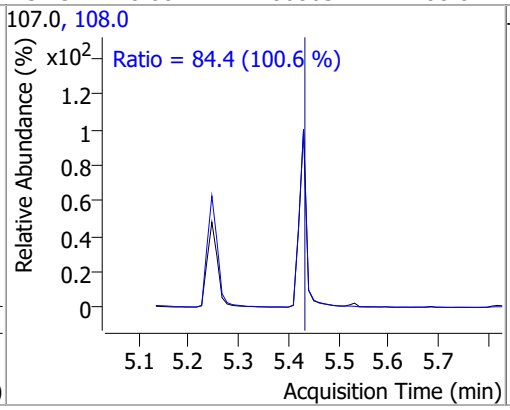


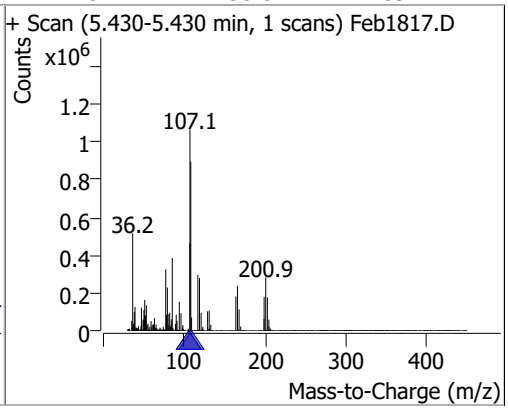




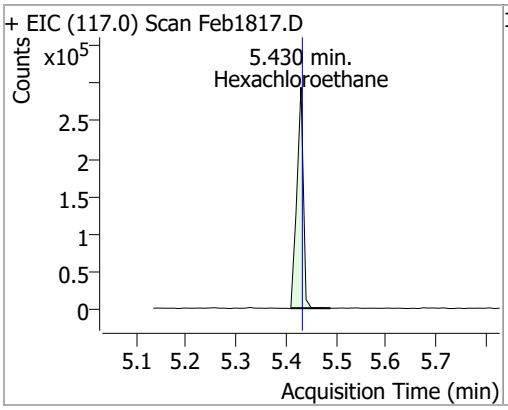
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	84.8619	5.43	0.00	1068634	108.0	84.4	58.8	109.1

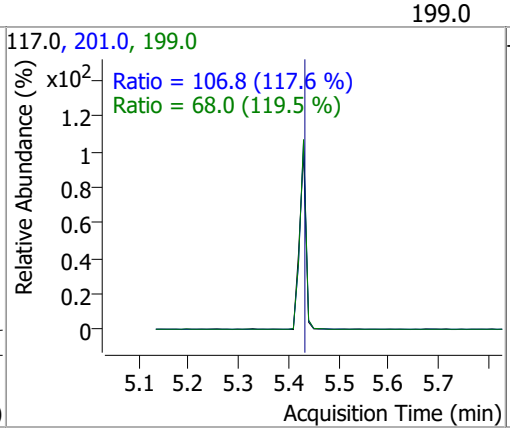


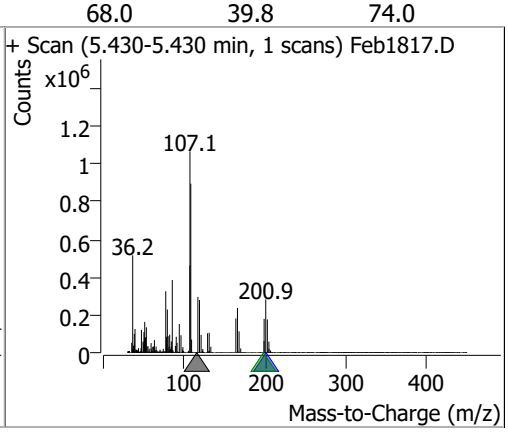




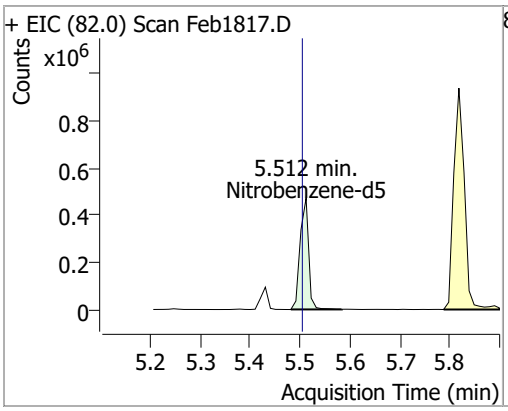
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	55.9791	5.43	0.00	227105	201.0	106.8	63.5	118.0
					199.0	68.0	39.8	74.0

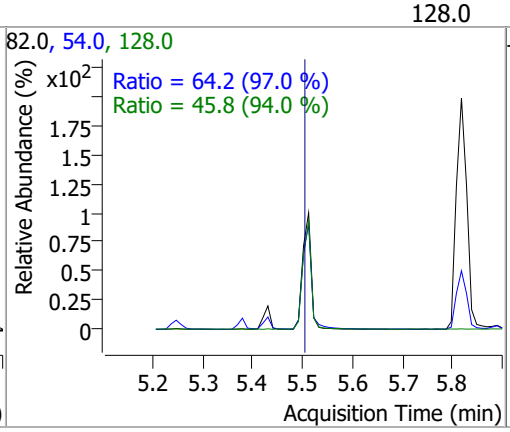


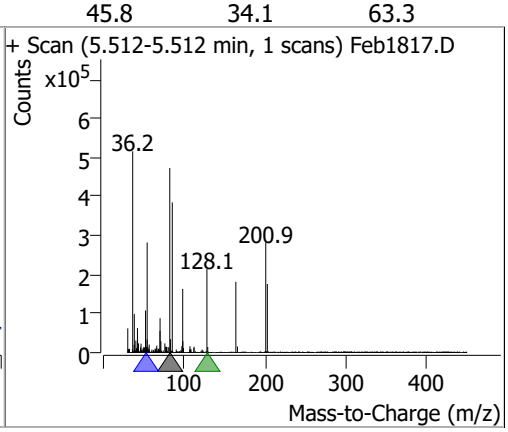




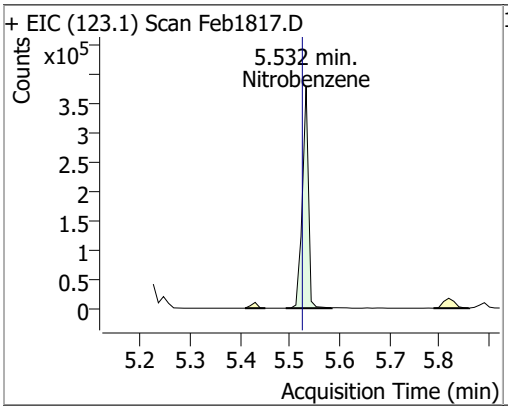
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	81.8175	5.51	0.01	548705	54.0	64.2	46.3	86.0
					128.0	45.8	34.1	63.3

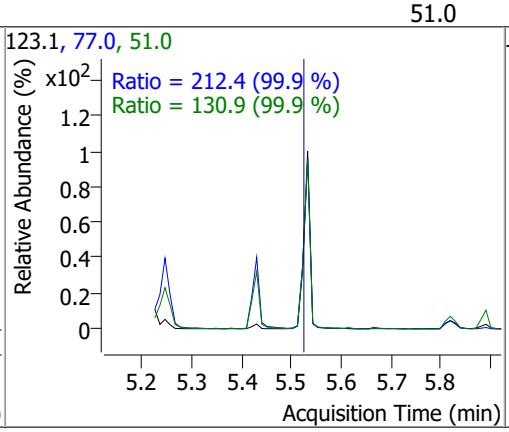


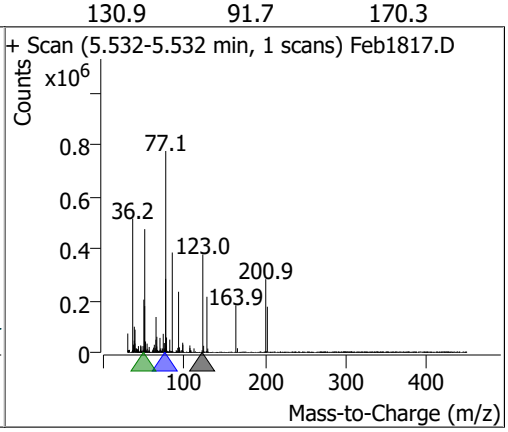




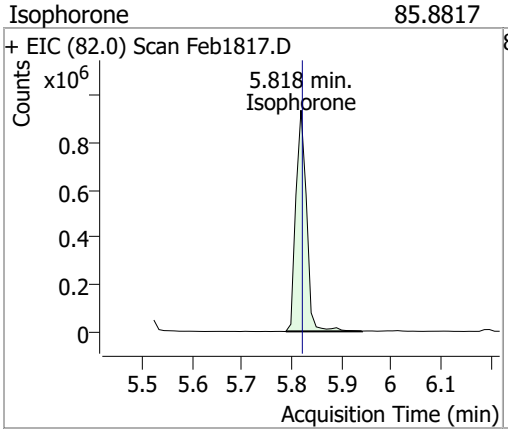
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	96.1775	5.53	0.01	320629	77.0	212.4	148.9	276.5
					51.0	130.9	91.7	170.3

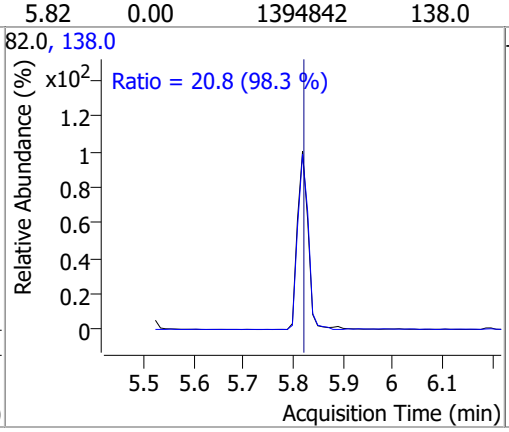


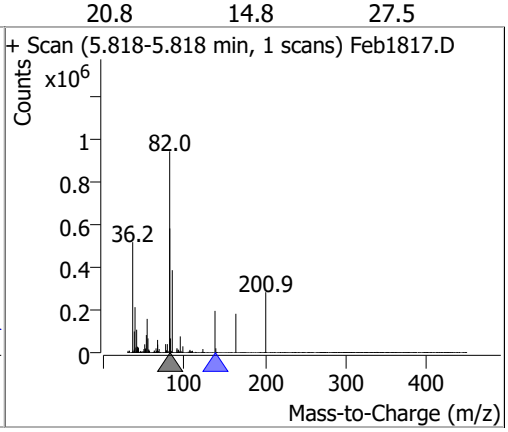




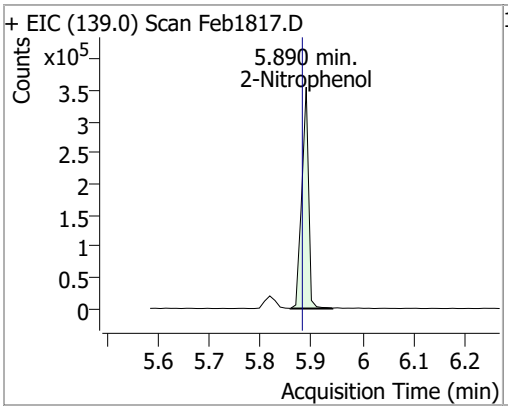
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	85.8817	5.82	0.00	1394842	138.0	20.8	14.8	27.5

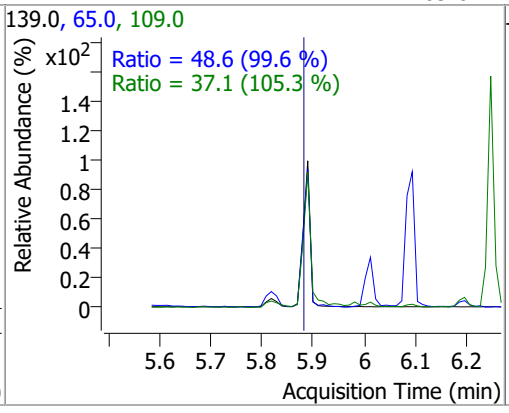


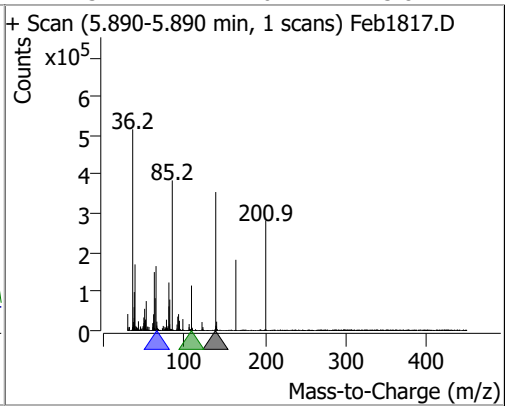




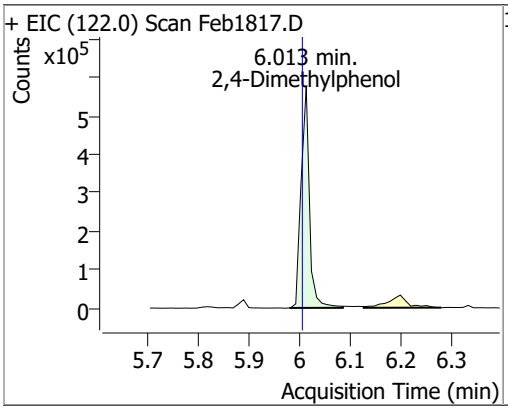
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	88.8447	5.89	0.01	329542	65.0	48.6	34.2	63.4
					109.0	37.1	24.6	45.8

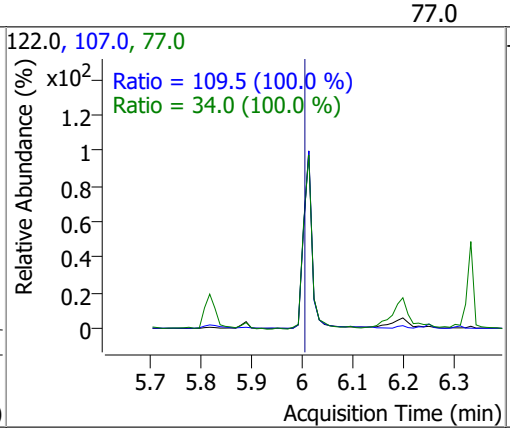


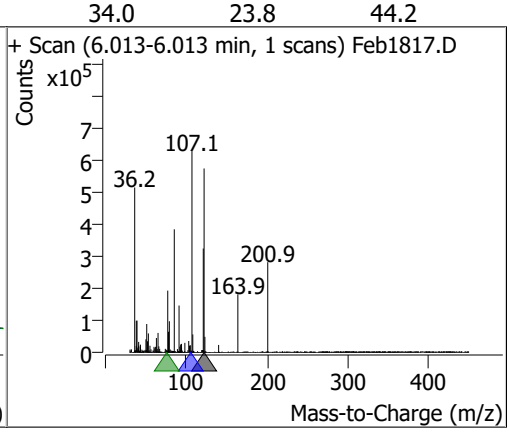




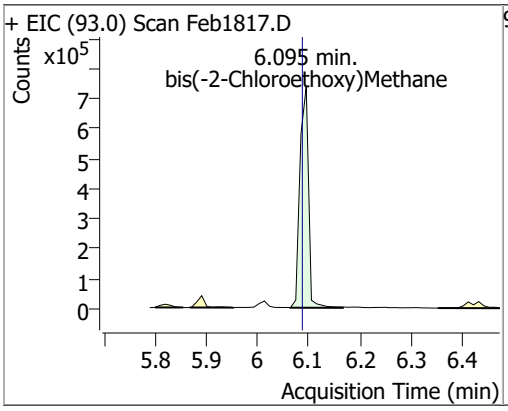
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	87.5029	6.01	0.01	656449	107.0	109.5	76.6	142.3
					77.0	34.0	23.8	44.2

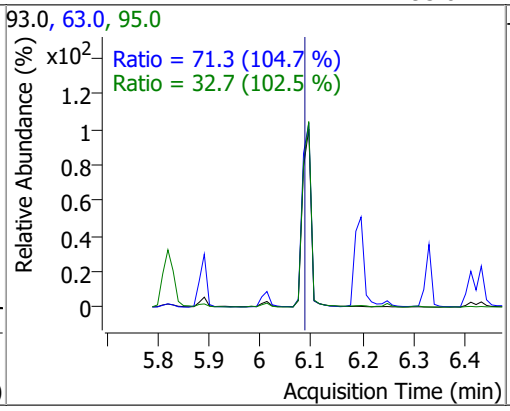


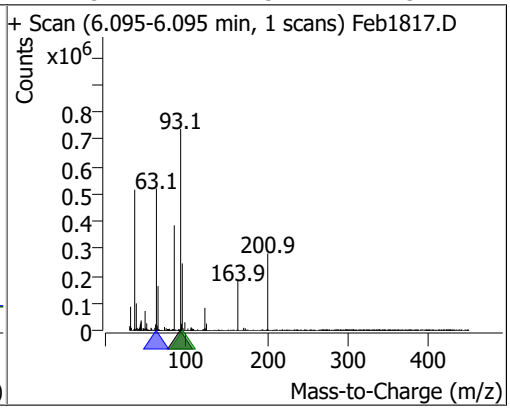




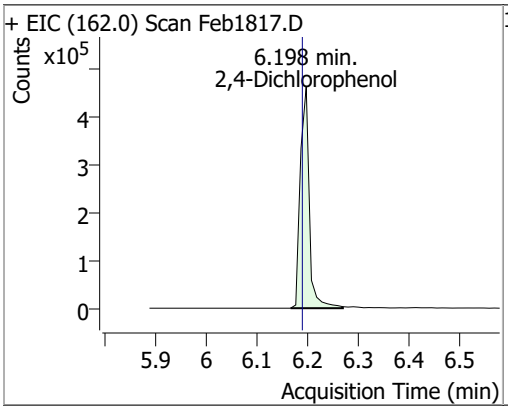
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	90.7592	6.10	0.01	864099	63.0	71.3	47.7	88.6
					95.0	32.7	22.3	41.5

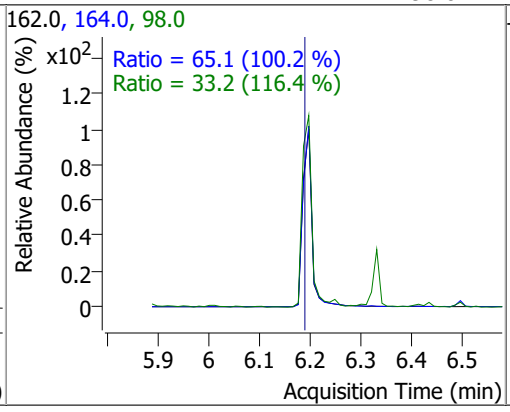


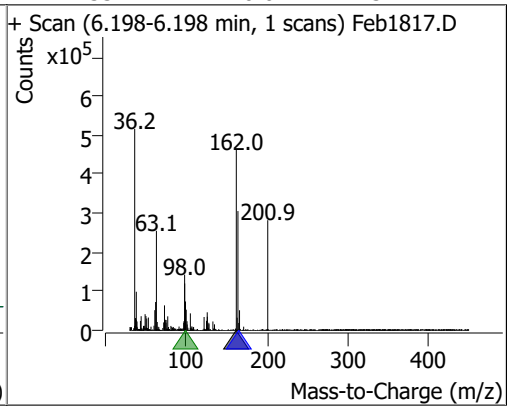




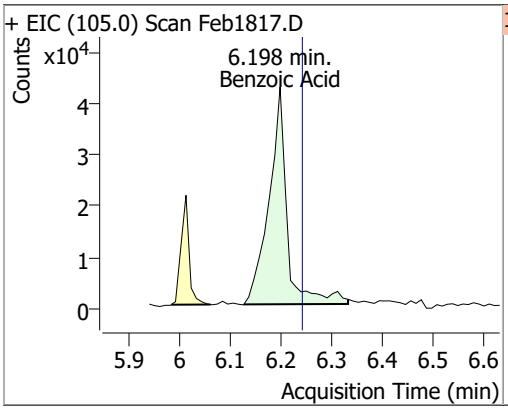
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	78.6105	6.20	0.01	567267	164.0	65.1	45.5	84.5
					98.0	33.2	20.0	37.1

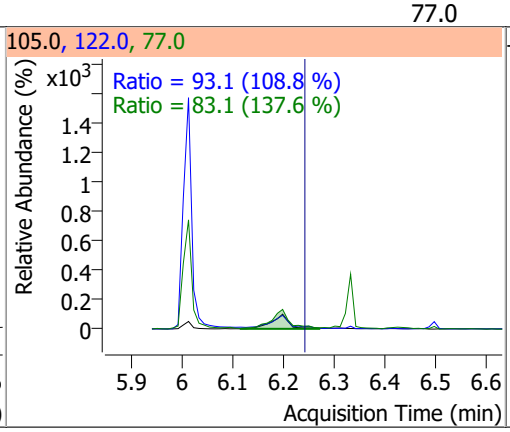


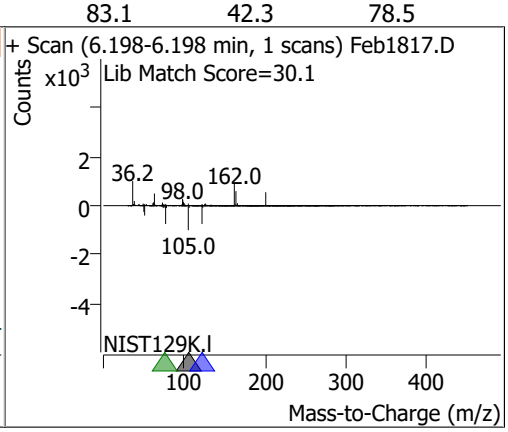




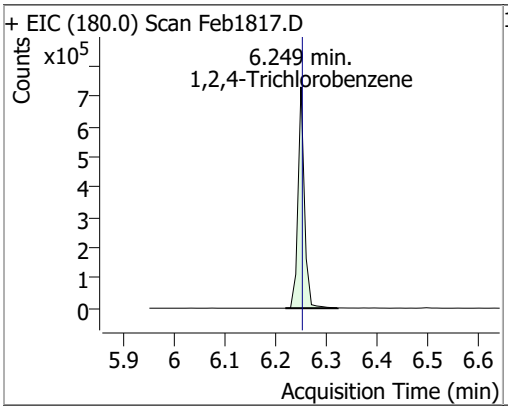
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	31.8182	6.20	-0.04	105225	122.0	93.1	59.9	111.2
					77.0	83.1	42.3	78.5

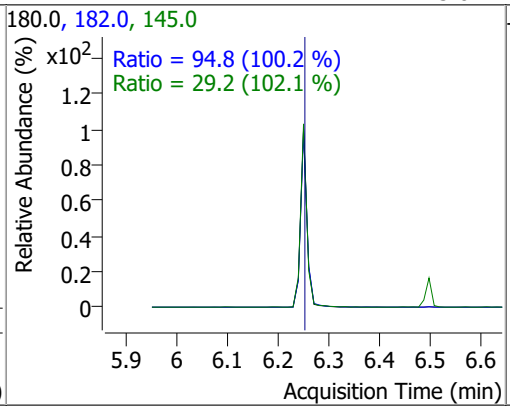


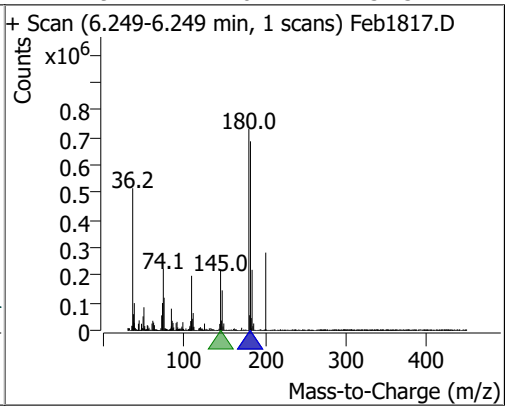




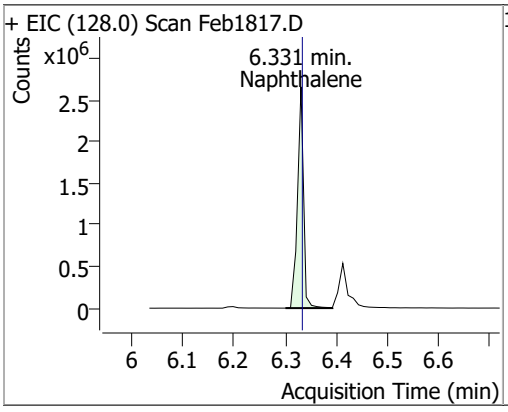
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	73.7524	6.25	0.00	639500	182.0	94.8	66.2	122.9
					145.0	29.2	20.1	37.3

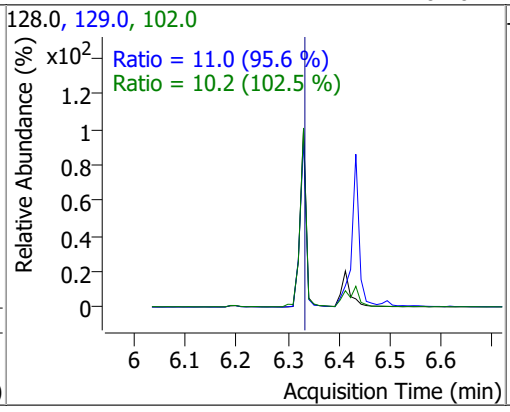


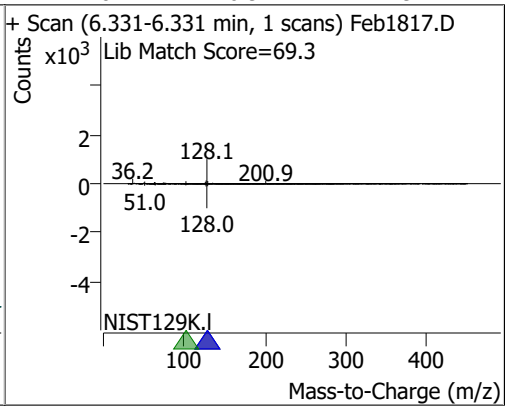




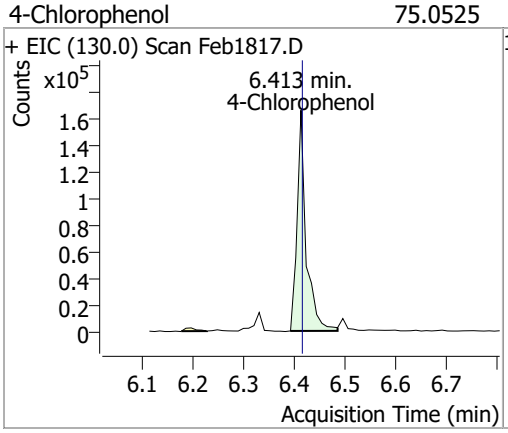
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	85.9185	6.33	0.00	2188991	129.0	11.0	8.0	14.9
					102.0	10.2	6.9	12.9

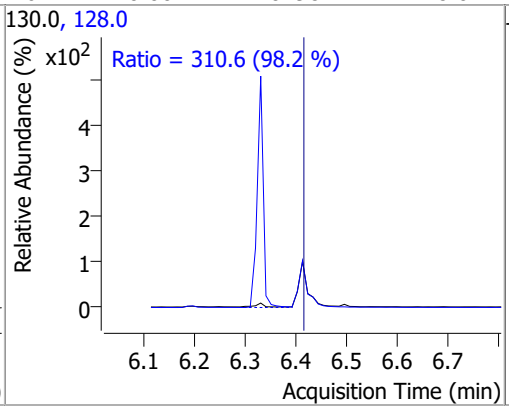


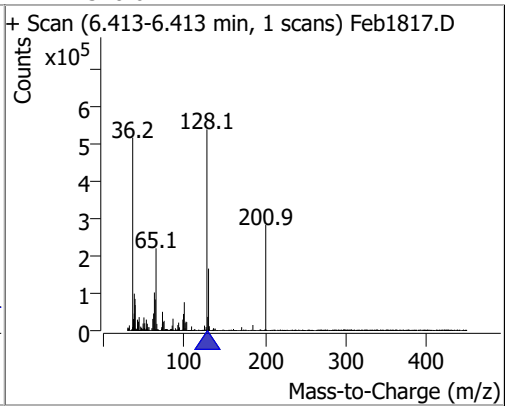




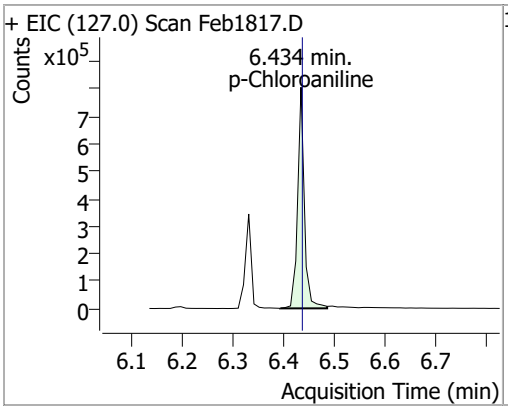
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	75.0525	6.41	0.00	202982	128.0	310.6	221.4	411.2

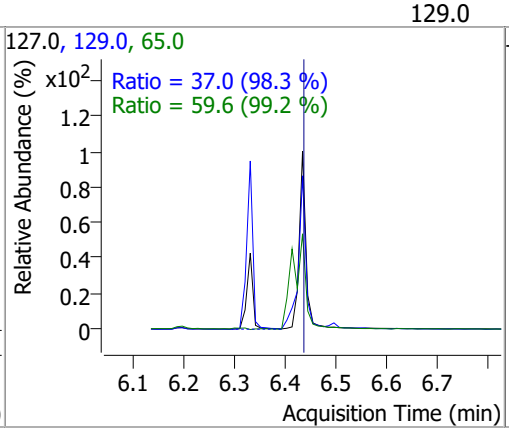


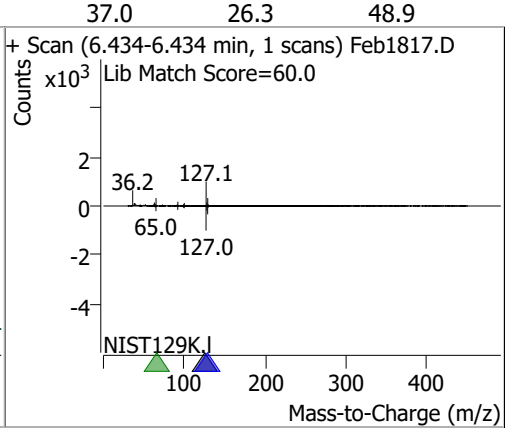




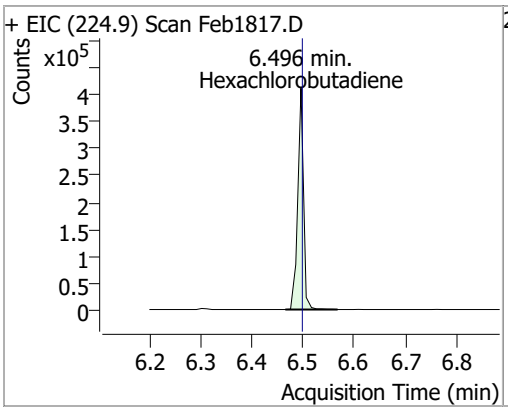
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	73.5508	6.43	0.00	740594	65.0	59.6	42.1	78.2
					129.0	37.0	26.3	48.9

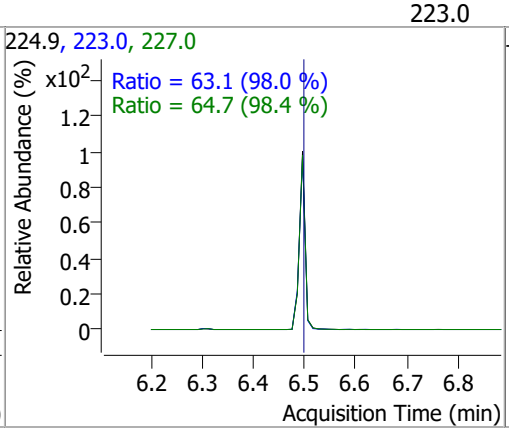


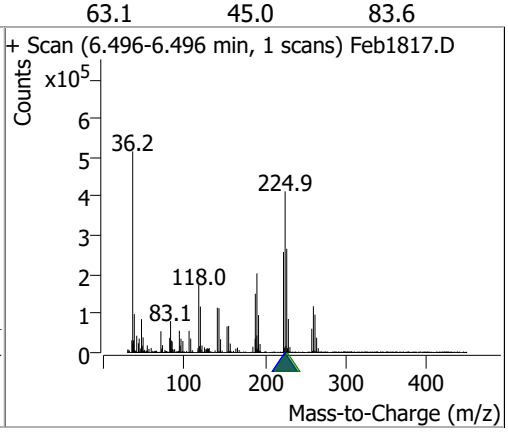




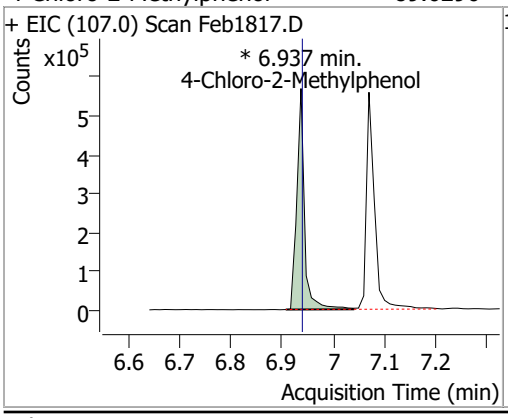
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	72.5363	6.50	0.00	325291	227.0	64.7	46.0	85.4
					223.0	63.1	45.0	83.6

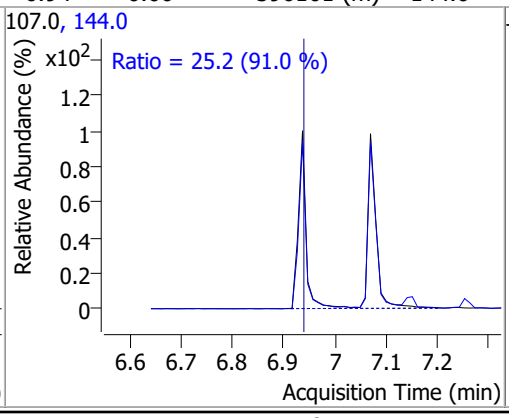


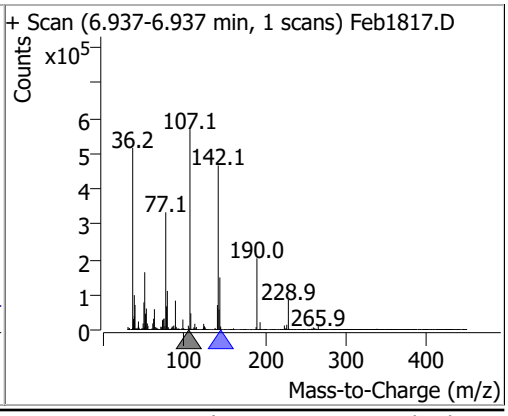




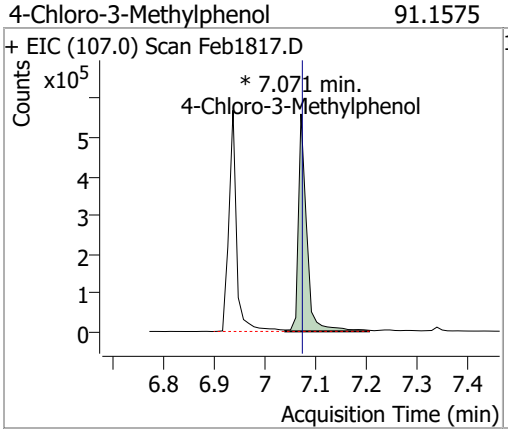
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	89.6296	6.94	0.00	596161 (m)	144.0	25.2	19.4	36.1

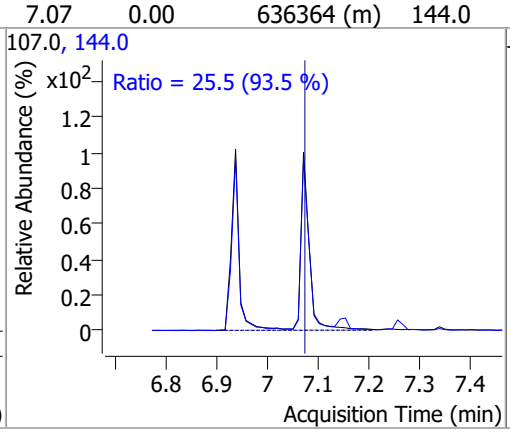


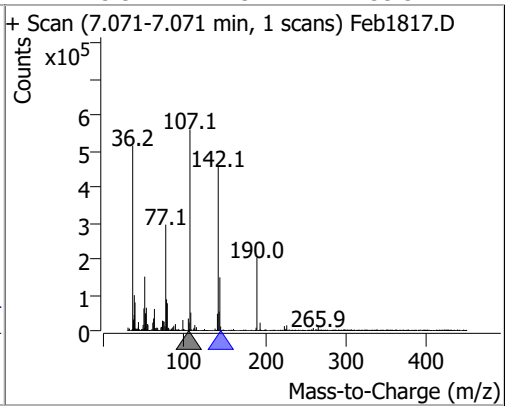




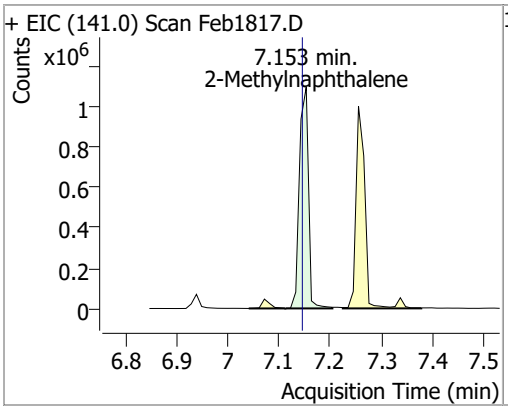
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	91.1575	7.07	0.00	636364 (m)	144.0	25.5	19.1	35.5

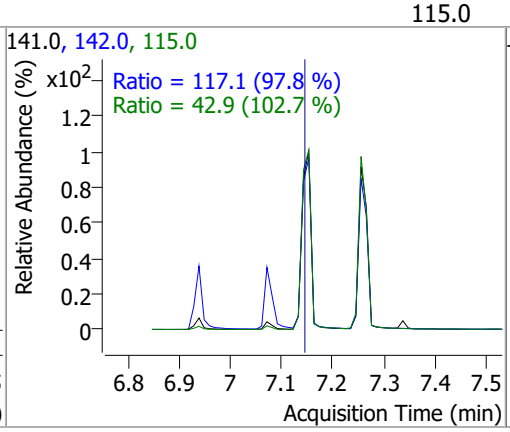


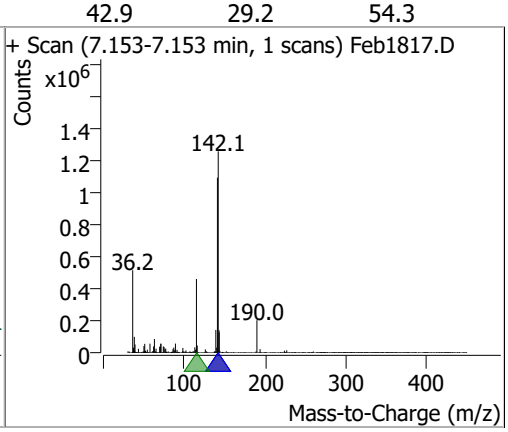




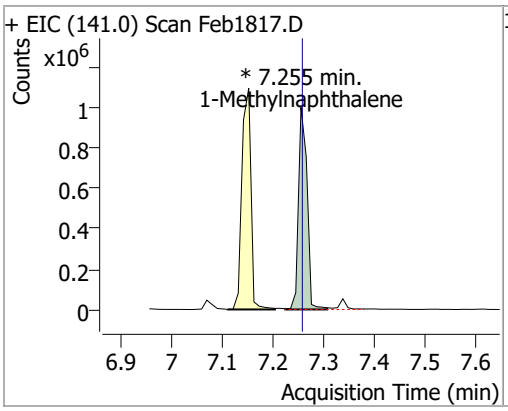
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	92.1358	7.15	0.01	1348720	142.0	117.1	83.8	155.7
					115.0	42.9	29.2	54.3

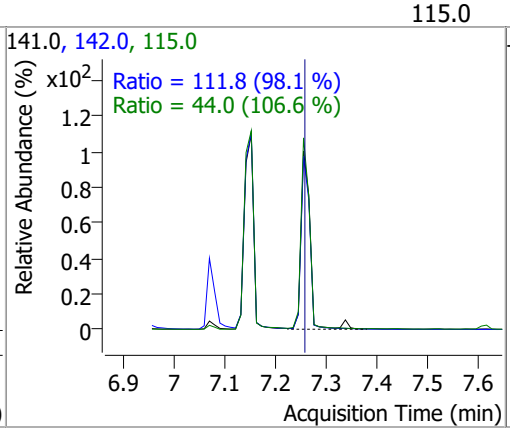


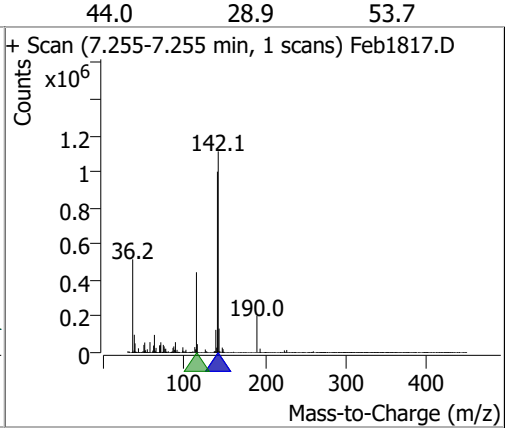




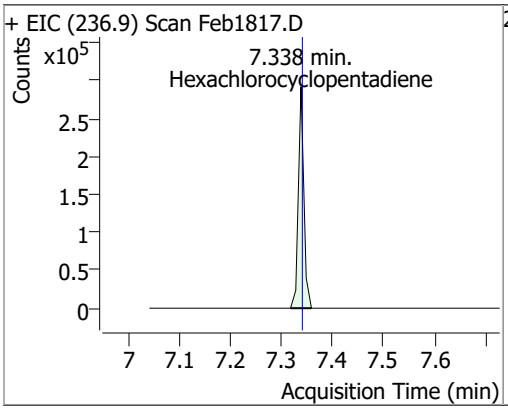
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	82.2967	7.26	0.00	1169318 (m)	142.0	111.8	79.8	148.2
					115.0	44.0	28.9	53.7

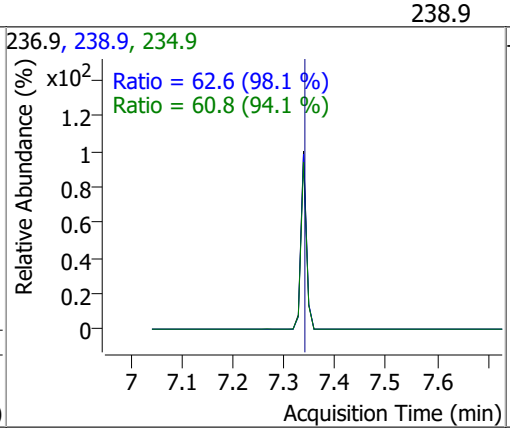


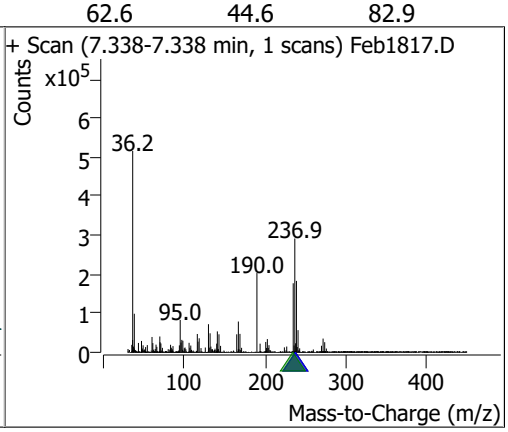




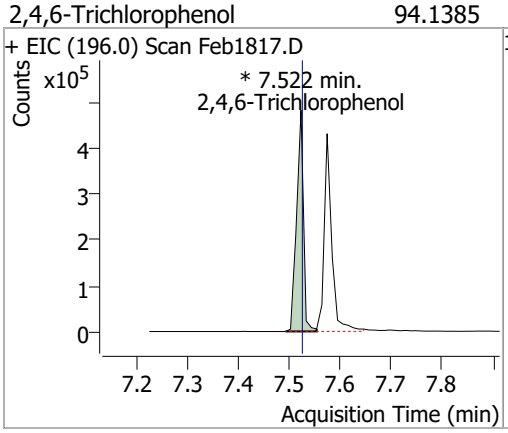
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	79.9142	7.34	0.00	218680	234.9	60.8	45.2	84.0
					238.9	62.6	44.6	82.9

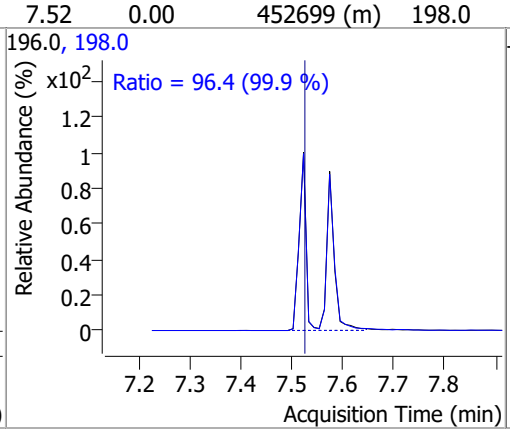


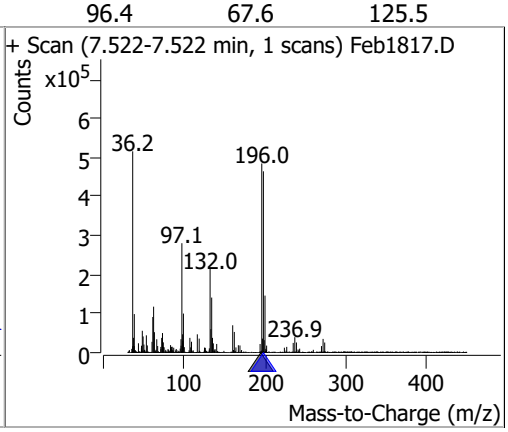




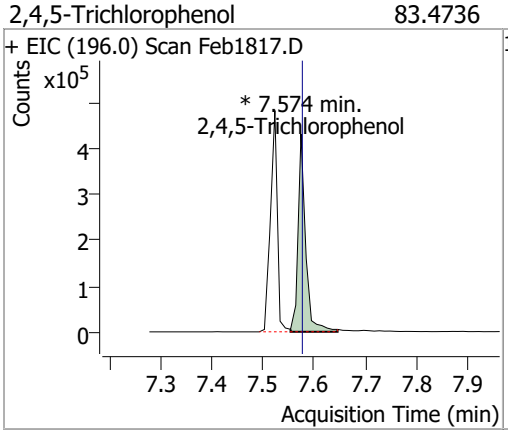
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	94.1385	7.52	0.00	452699 (m)	198.0	96.4	67.6	125.5

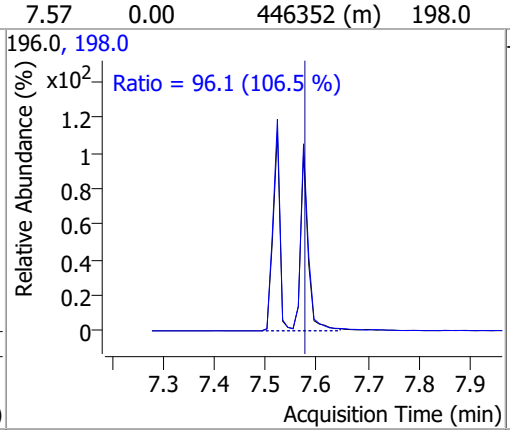


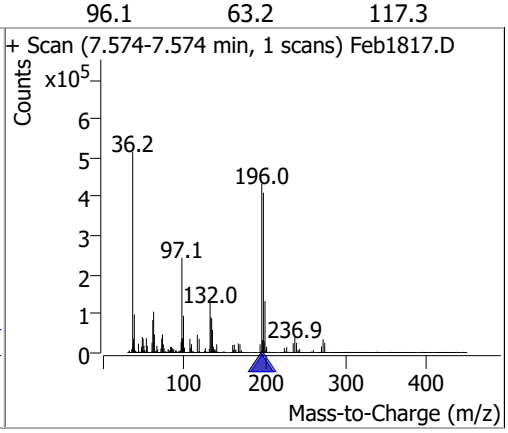




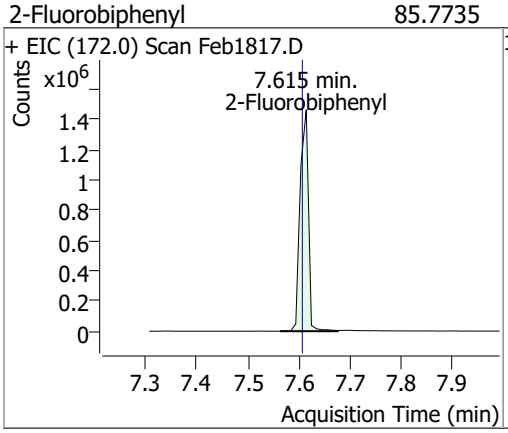
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	83.4736	7.57	0.00	446352 (m)	198.0	96.1	63.2	117.3

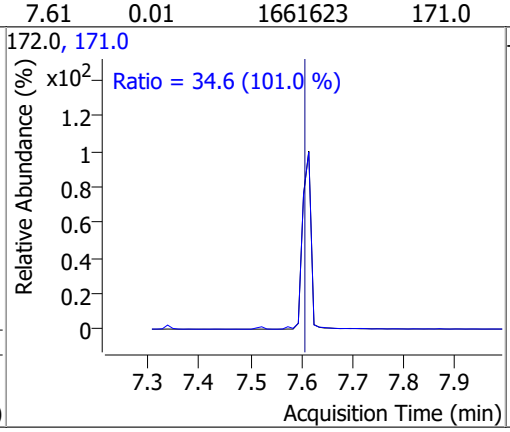


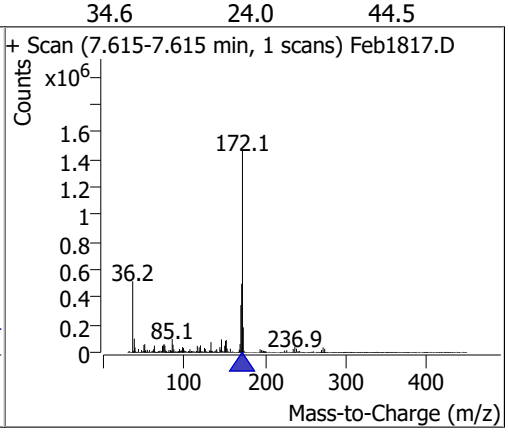




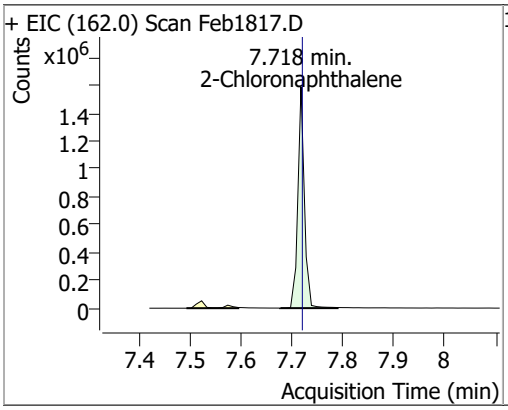
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	85.7735	7.61	0.01	1661623	171.0	34.6	24.0	44.5

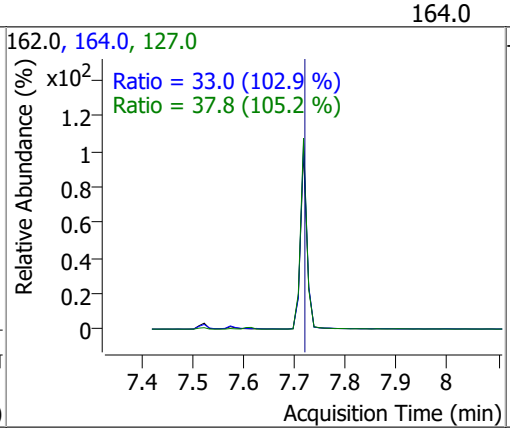


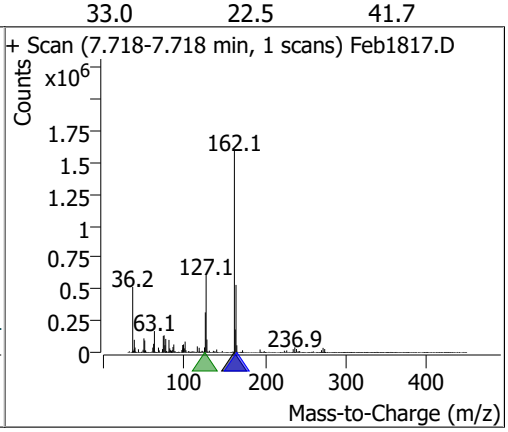




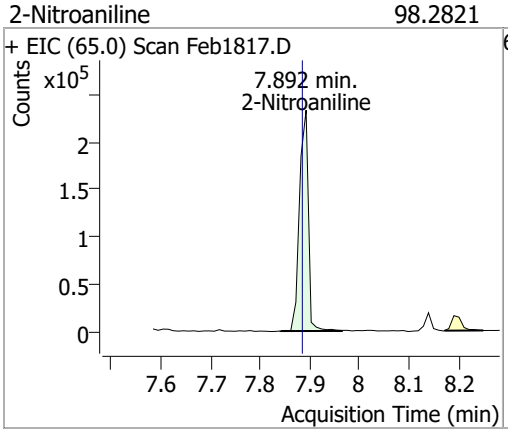
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	87.3647	7.72	0.00	1420664	127.0	37.8	25.1	46.7
					164.0	33.0	22.5	41.7

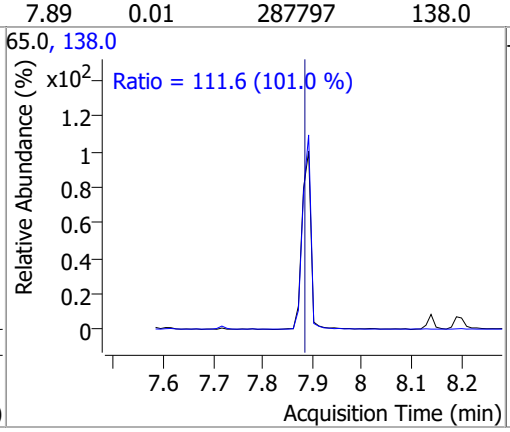


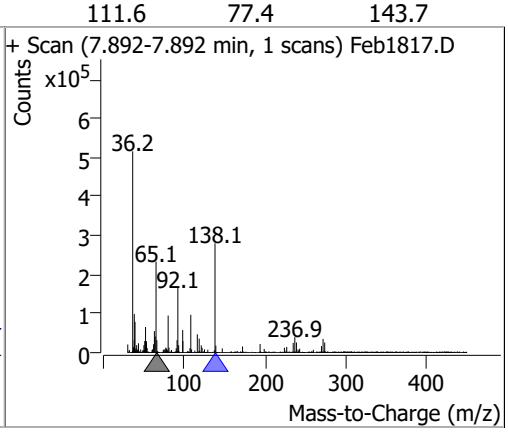




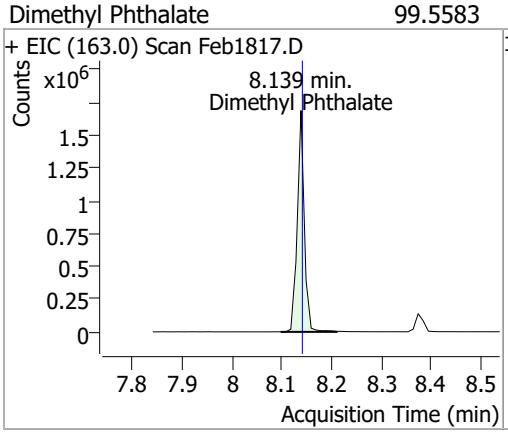
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	98.2821	7.89	0.01	287797	138.0	111.6	77.4	143.7

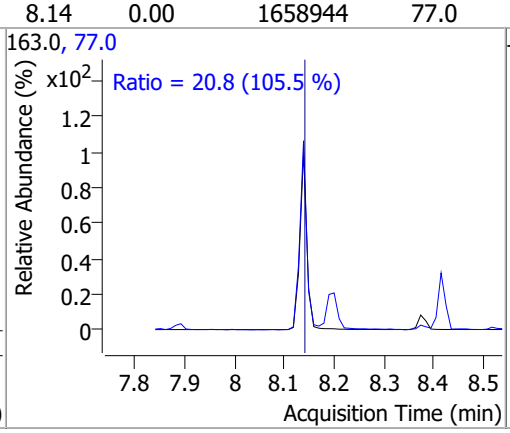


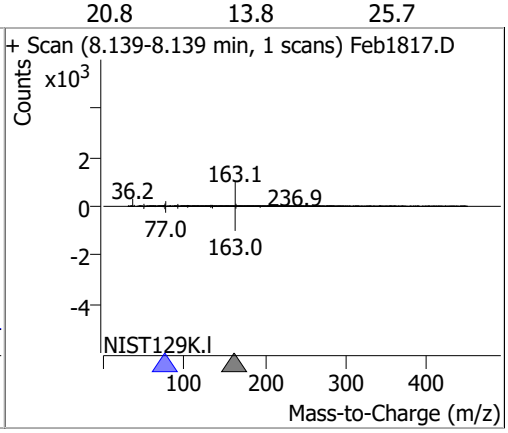




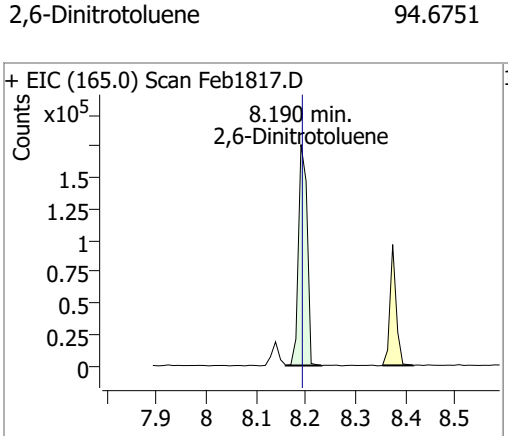
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	99.5583	8.14	0.00	1658944	77.0	20.8	13.8	25.7

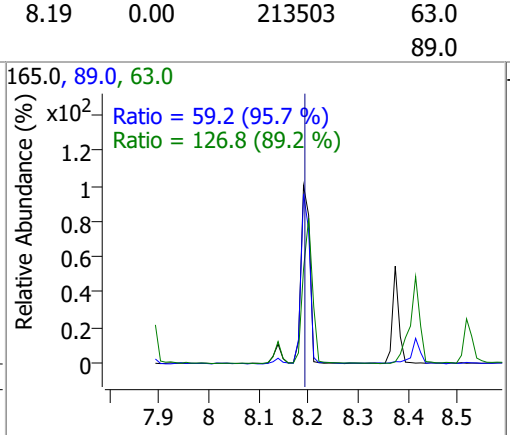


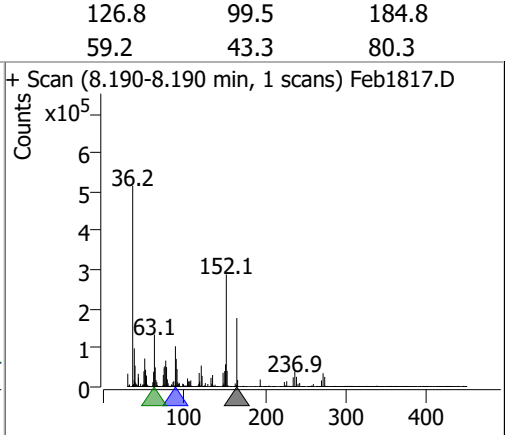




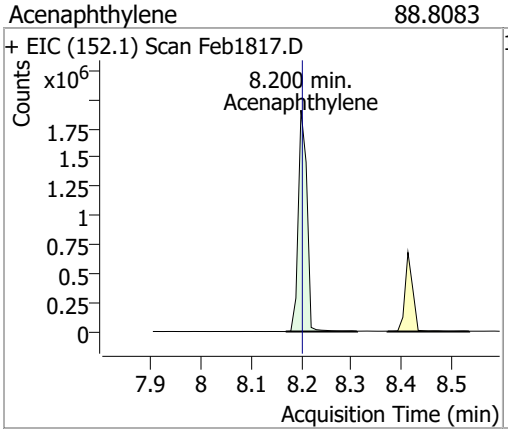
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	94.6751	8.19	0.00	213503	63.0	126.8	99.5	184.8
					89.0	59.2	43.3	80.3

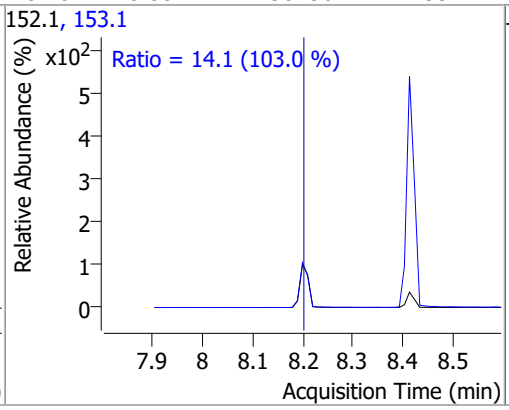


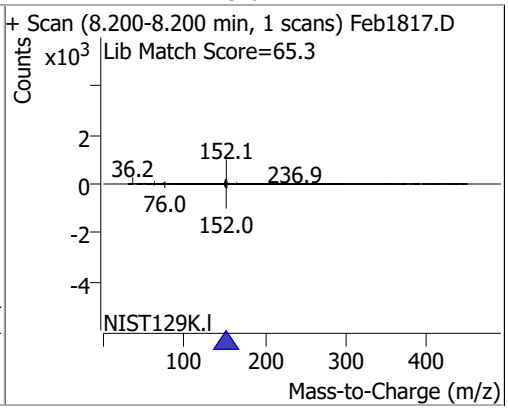




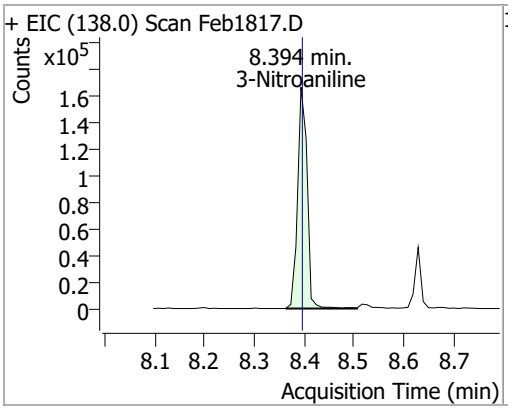
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	88.8083	8.20	0.00	2307362	153.1	14.1	9.6	17.7

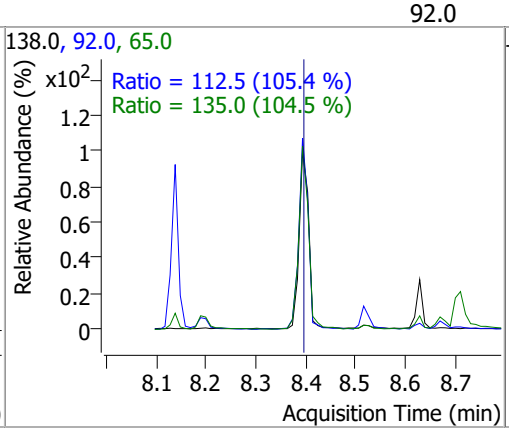


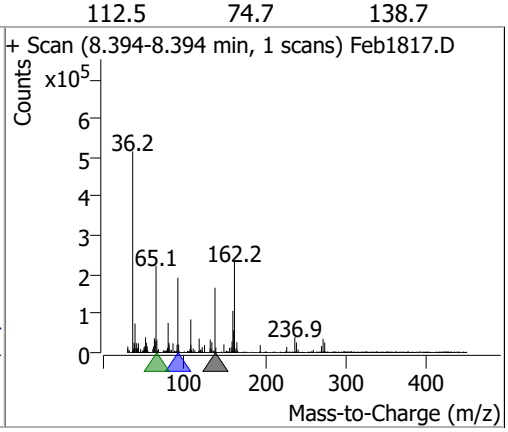




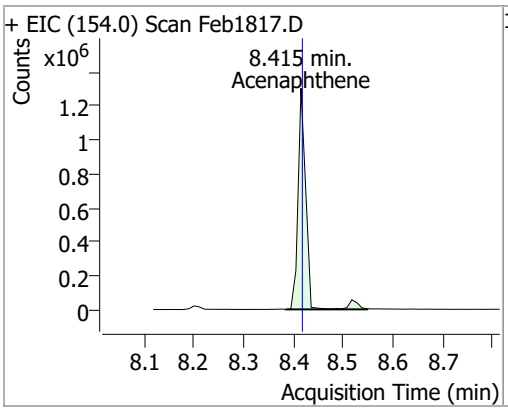
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	85.9335	8.39	0.00	220827	65.0	135.0	90.4	167.8
					92.0	112.5	74.7	138.7

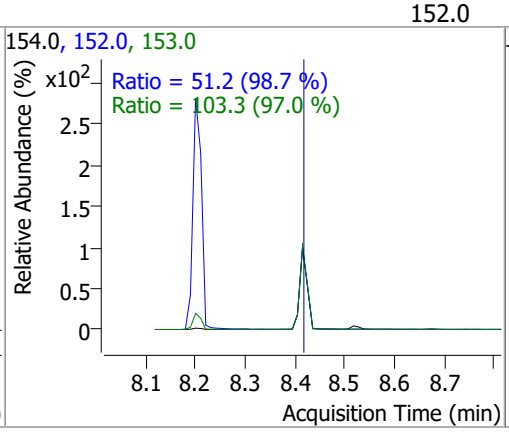


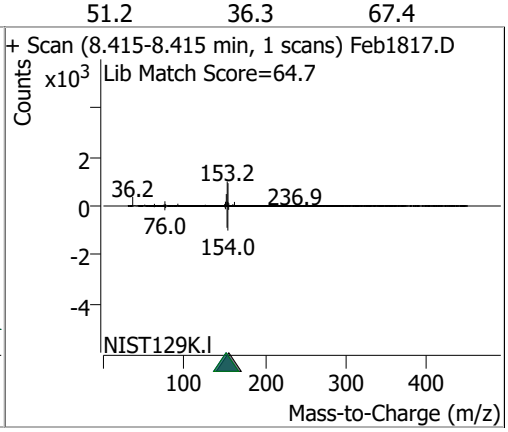




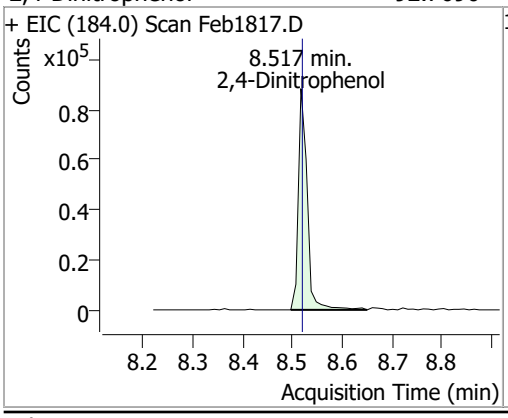
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	98.2159	8.41	0.00	1443838	153.0	103.3	74.5	138.4
					152.0	51.2	36.3	67.4

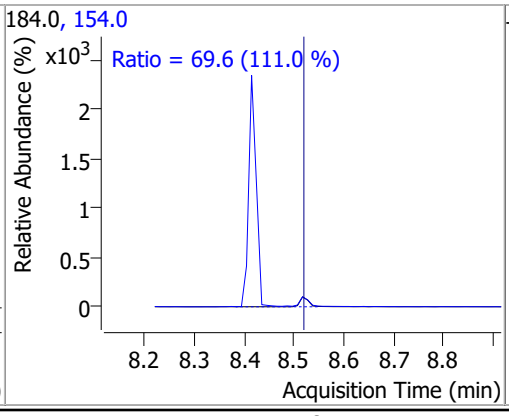


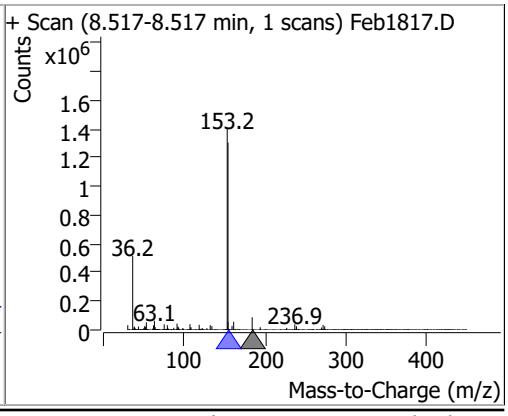




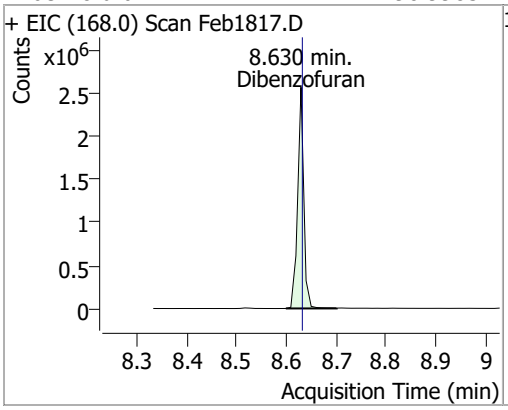
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	92.7690	8.52	0.00	109510	154.0	69.6	43.9	81.5

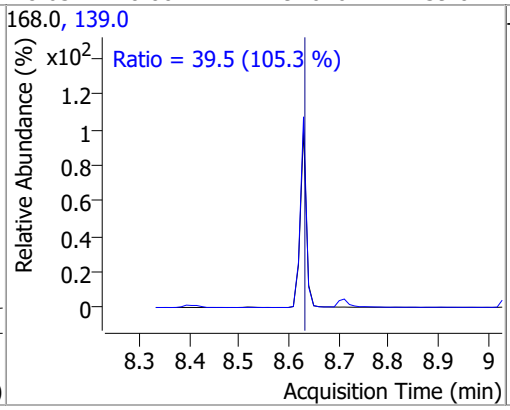


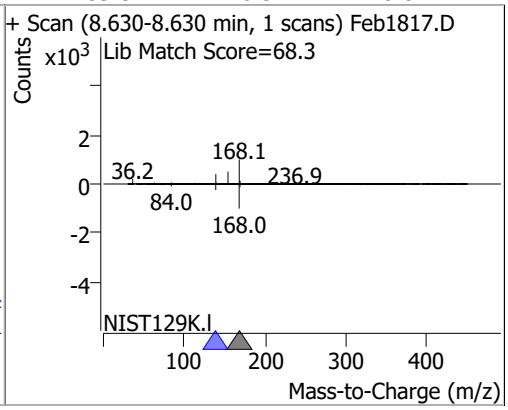




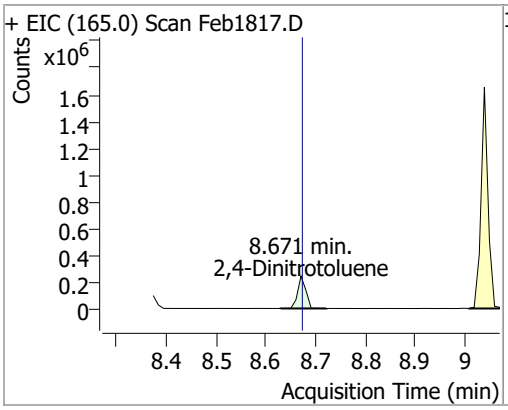
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	90.9985	8.63	0.00	2194616	139.0	39.5	26.3	48.8

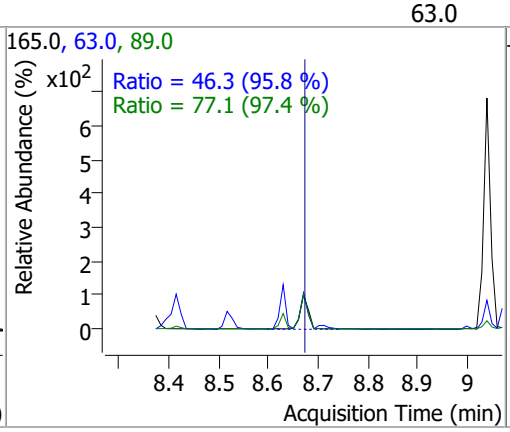


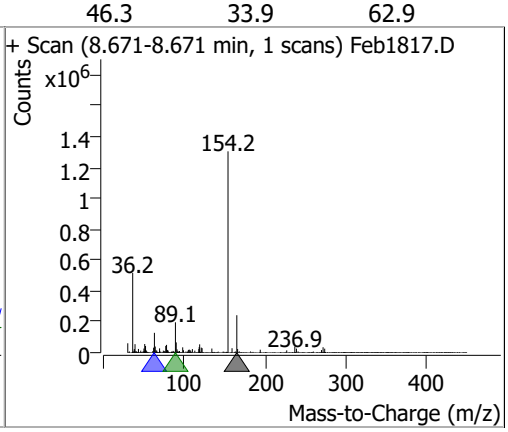




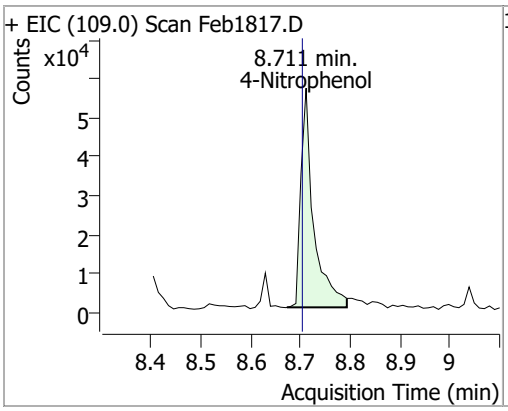
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	94.5728	8.67	0.00	272504	89.0	77.1	55.4	102.9
					63.0	46.3	33.9	62.9

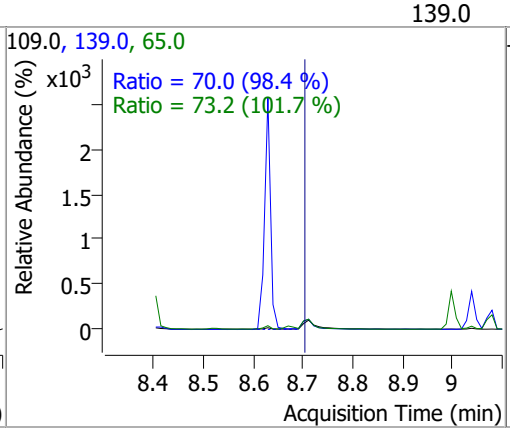


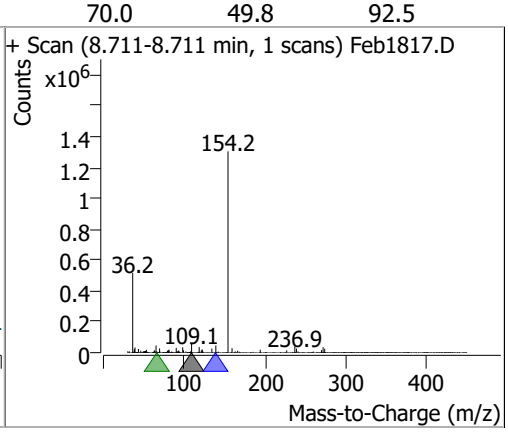




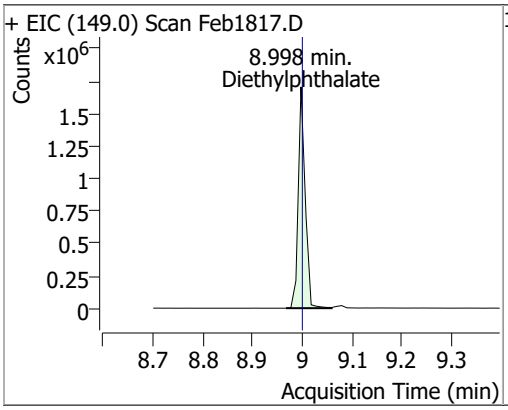
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	39.1277	8.71	0.01	100807	65.0	73.2	50.4	93.6
					139.0	70.0	49.8	92.5

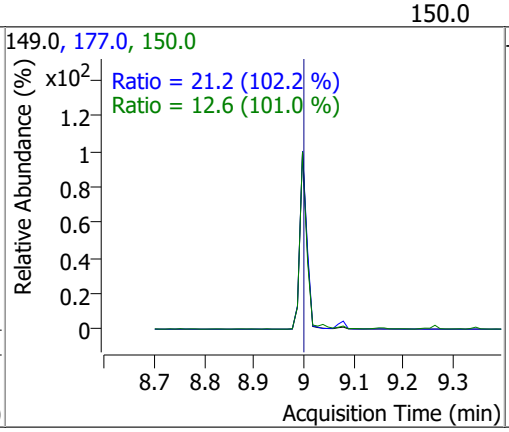


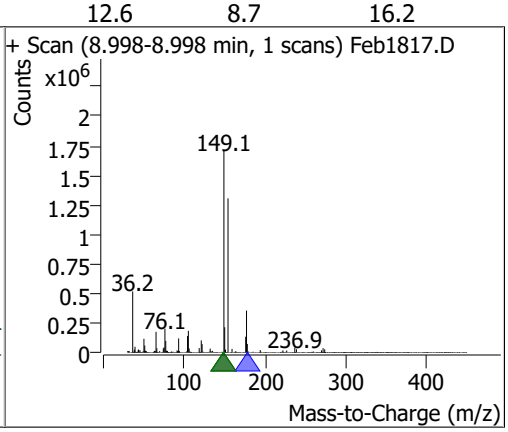




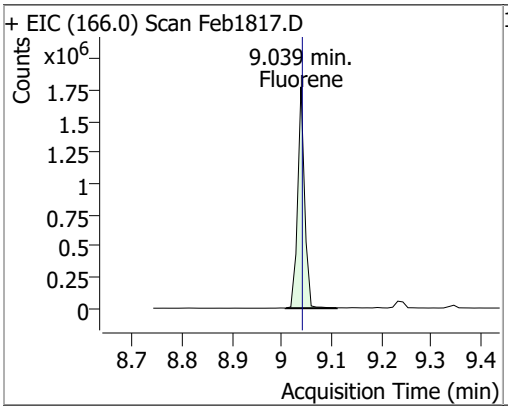
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	95.2040	9.00	0.00	1643005	177.0	21.2	14.5	27.0
					150.0	12.6	8.7	16.2

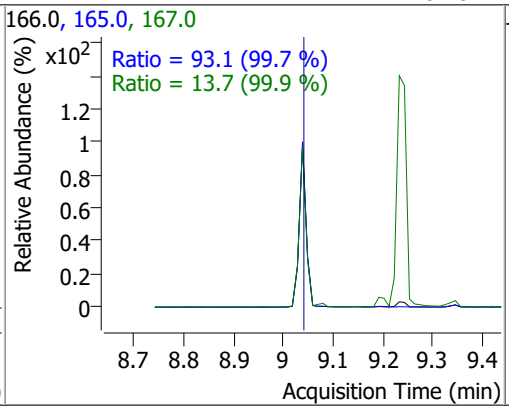


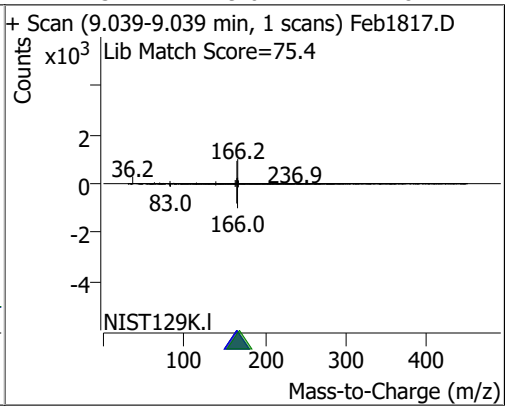




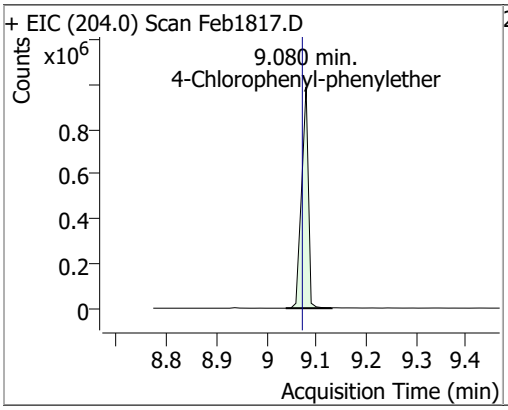
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	88.3509	9.04	0.00	1722341	165.0	93.1	65.4	121.4
					167.0	13.7	9.6	17.8

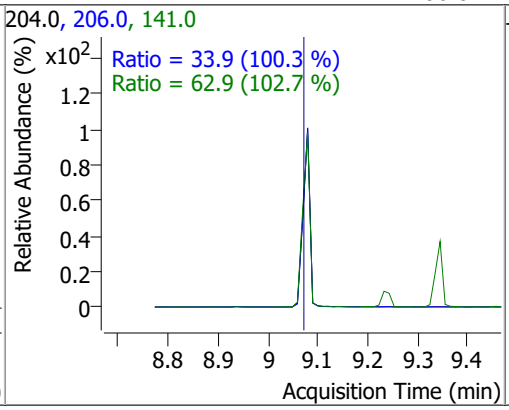


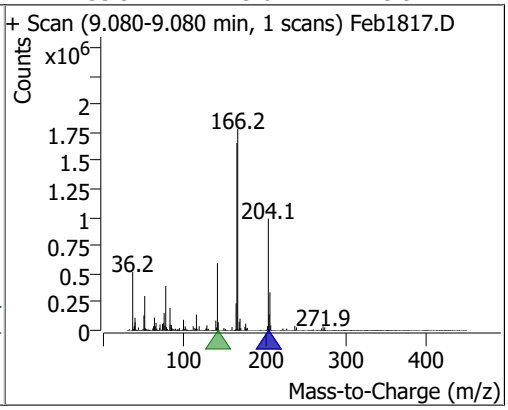




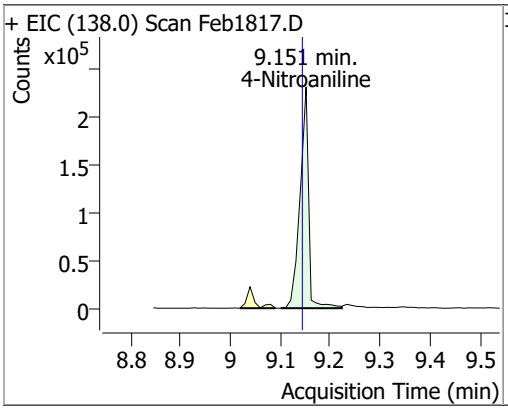
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	104.6332	9.08	0.01	933069	141.0	62.9	42.8	79.6
					206.0	33.9	23.6	43.9

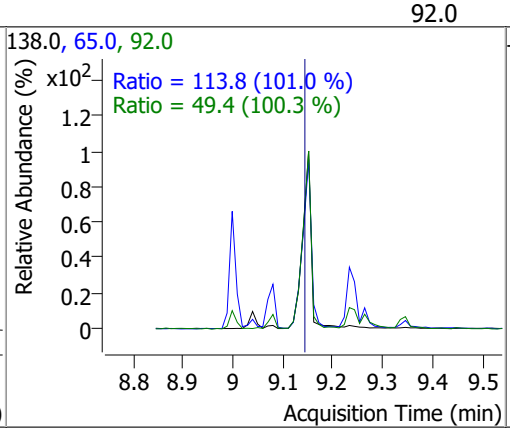


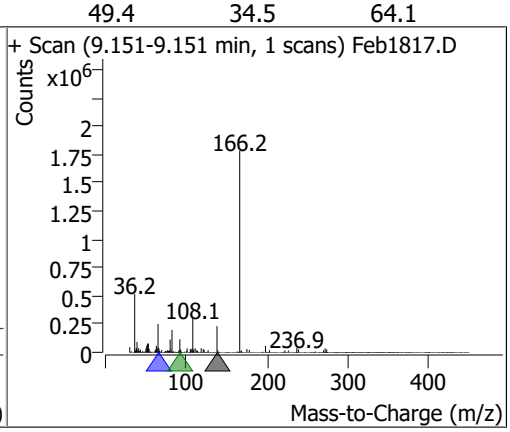




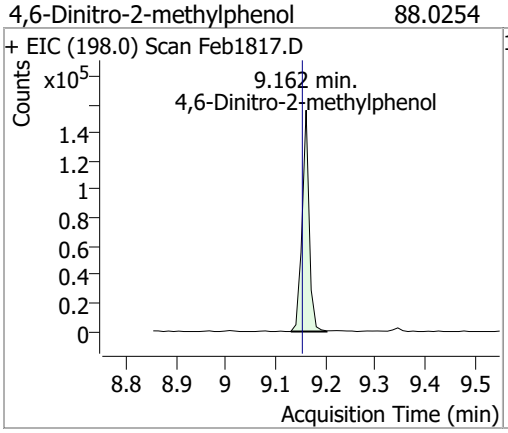
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	96.5971	9.15	0.01	276941	65.0	113.8	78.9	146.6
					92.0	49.4	34.5	64.1

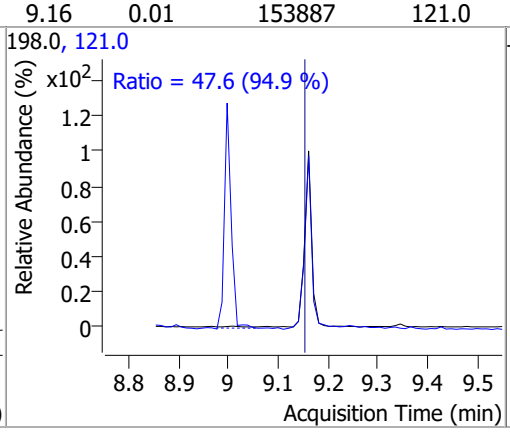


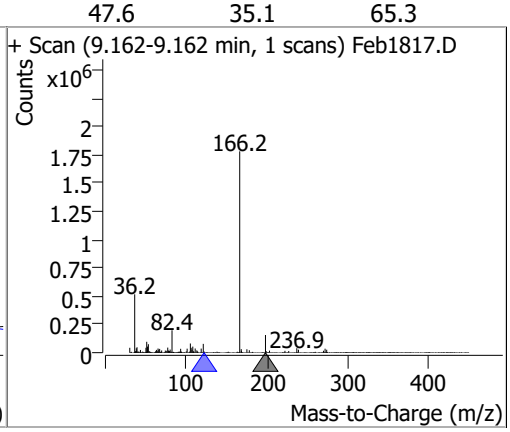




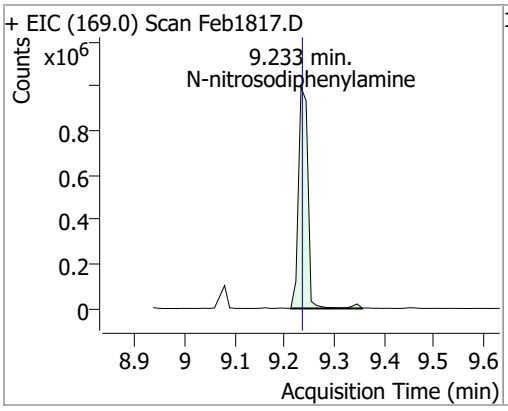
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	88.0254	9.16	0.01	153887	121.0	47.6	35.1	65.3

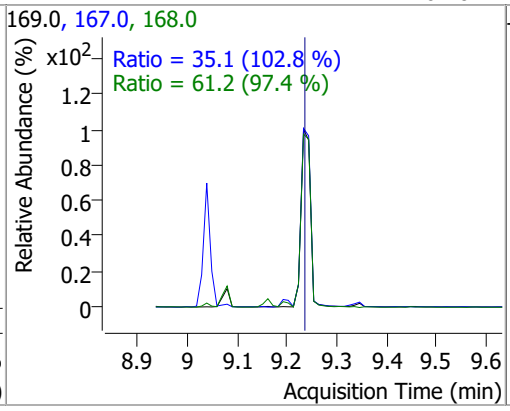


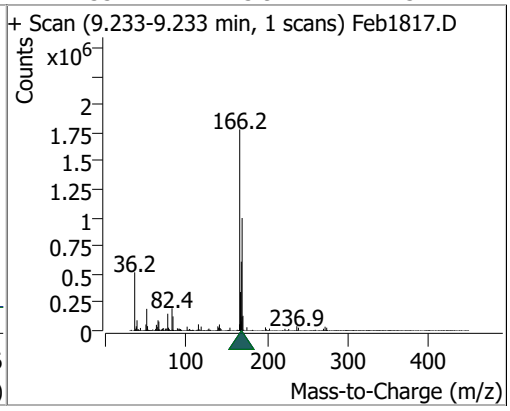




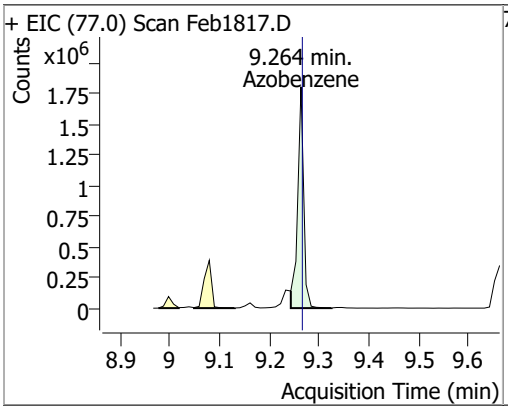
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	99.4366	9.23	0.00	1323156	168.0	61.2	44.0	81.7
					167.0	35.1	23.9	44.3

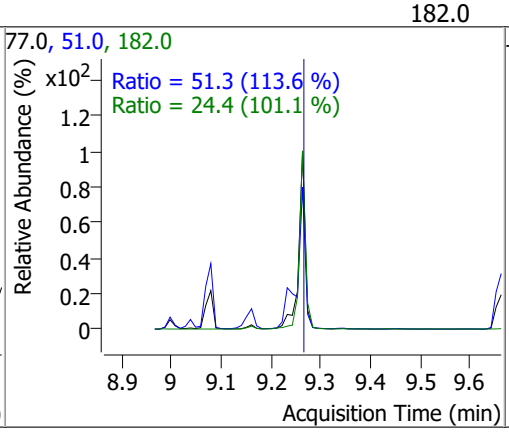


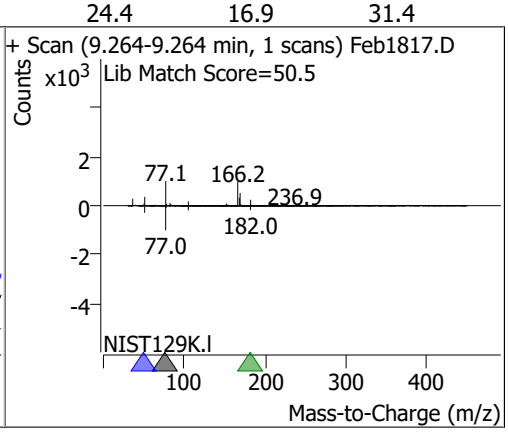




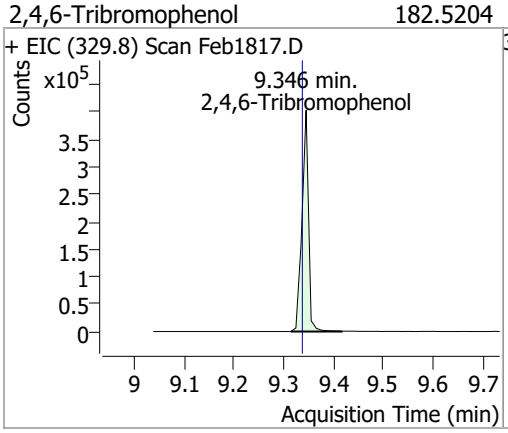
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	86.3002	9.26	0.00	1523922	51.0	51.3	31.6	58.7
					182.0	24.4	16.9	31.4

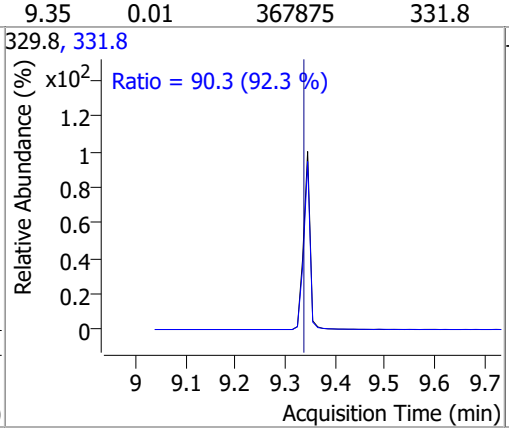


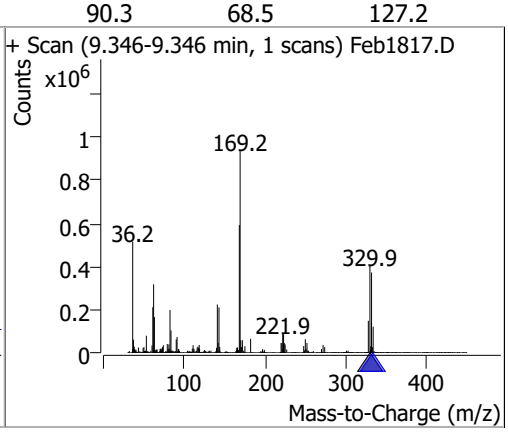




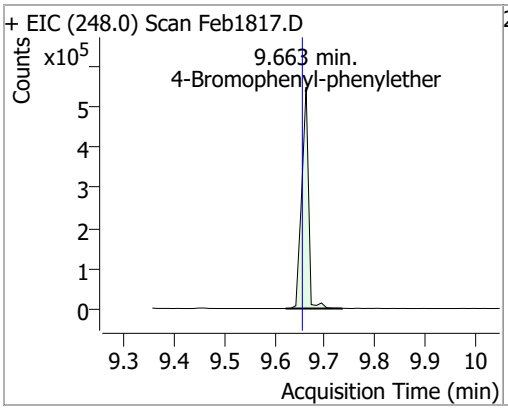
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	182.5204	9.35	0.01	367875	331.8	90.3	68.5	127.2

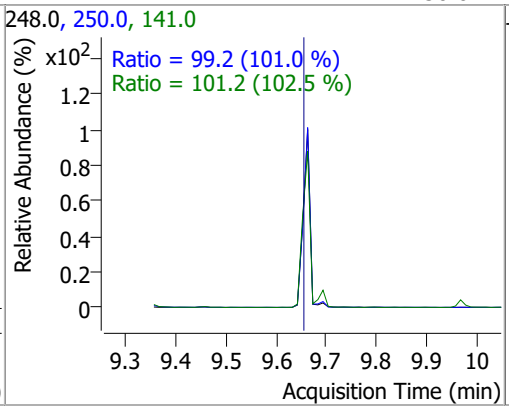


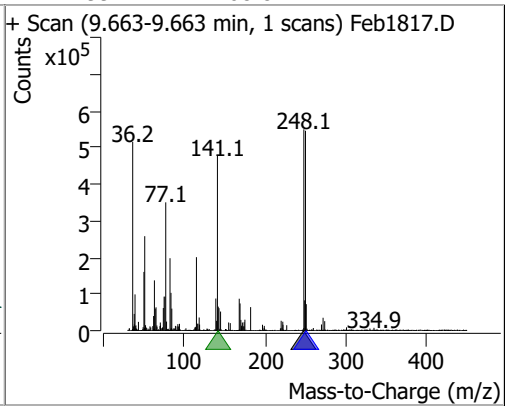




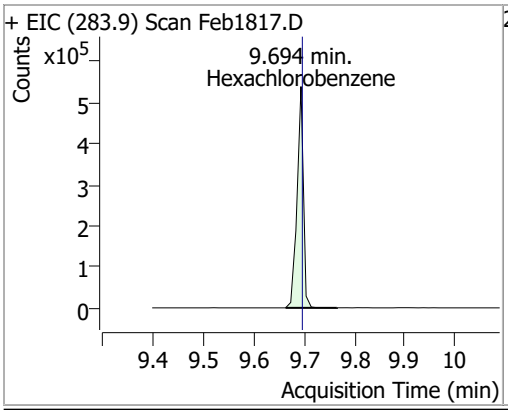
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	100.4969	9.66	0.01	518024	141.0	101.2	69.1	128.4
					250.0	99.2	68.8	127.7

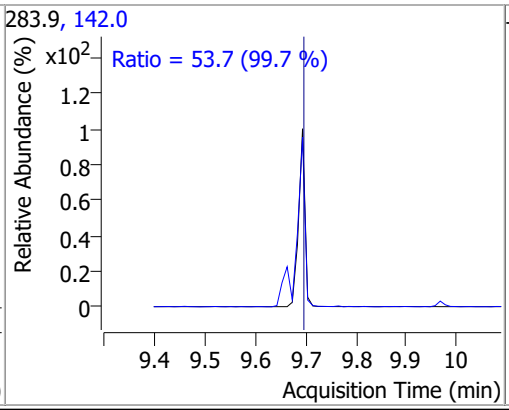


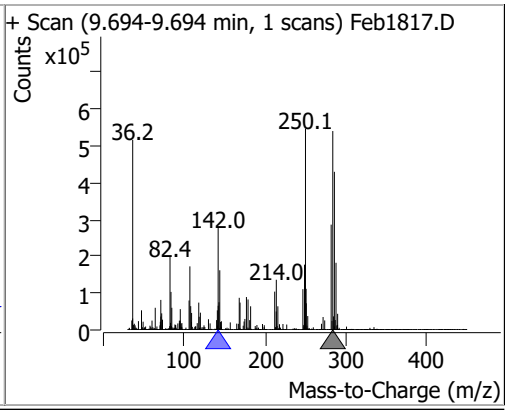




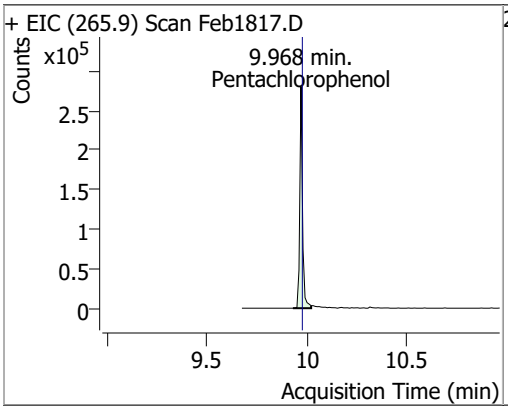
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	93.2563	9.69	0.00	474881	142.0	53.7	37.7	70.0

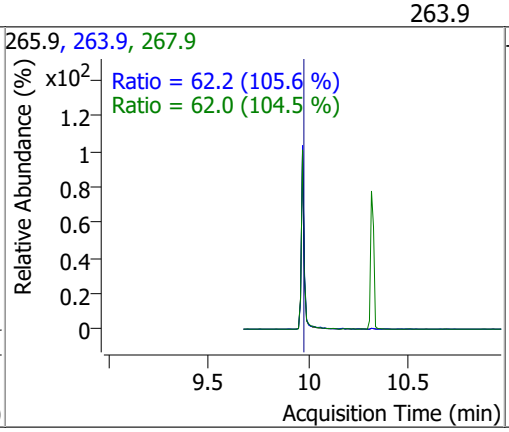


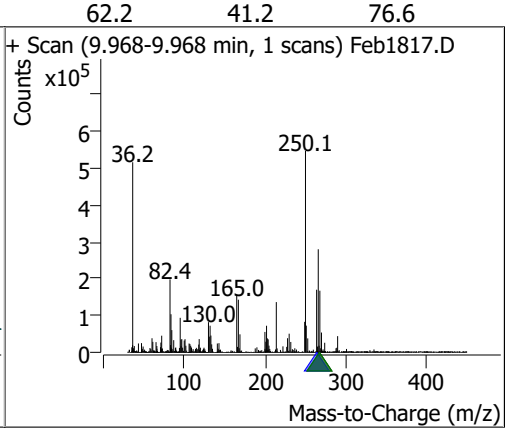




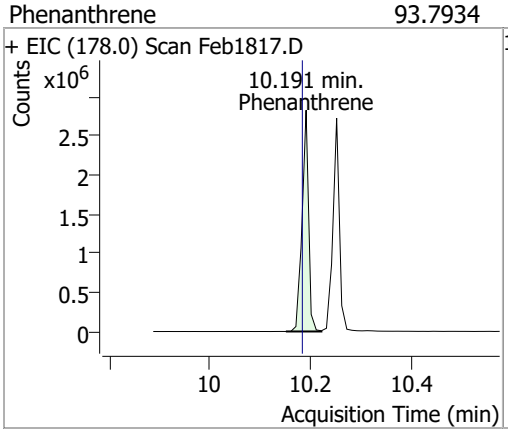
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	103.9201	9.97	0.00	261837	267.9	62.0	41.5	77.2
					263.9	62.2	41.2	76.6

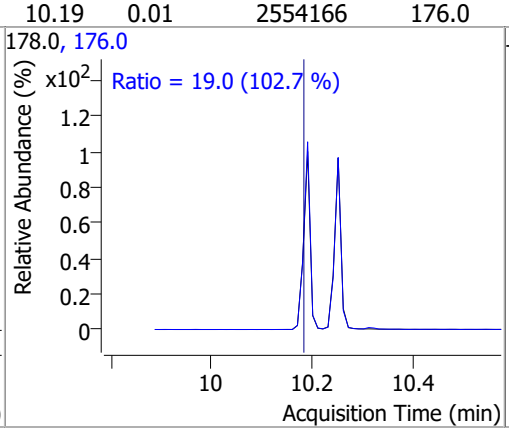


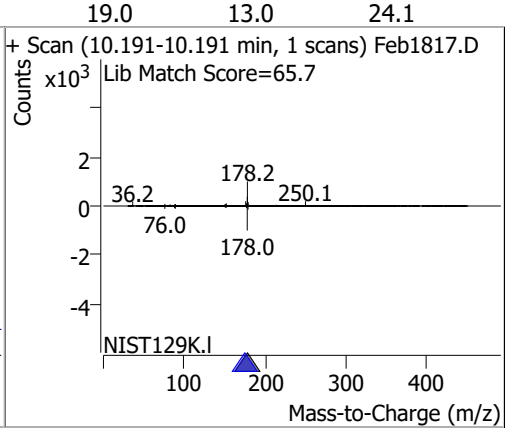




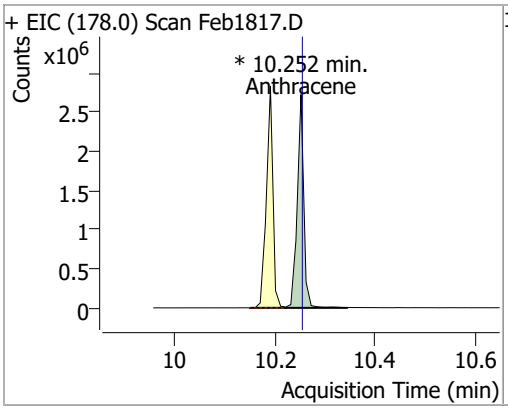
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	93.7934	10.19	0.01	2554166	176.0	19.0	13.0	24.1

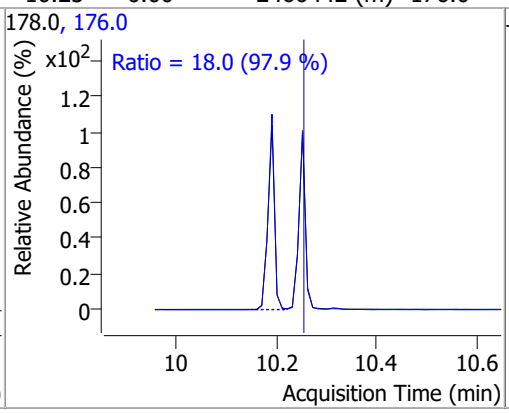


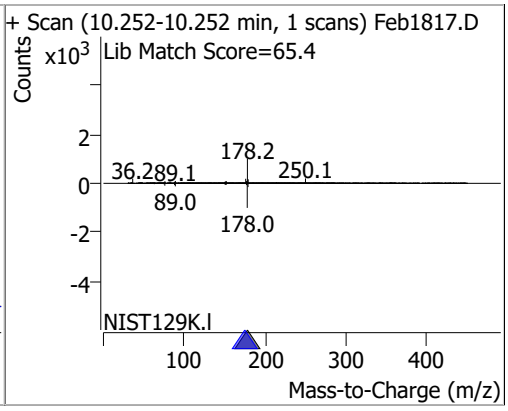




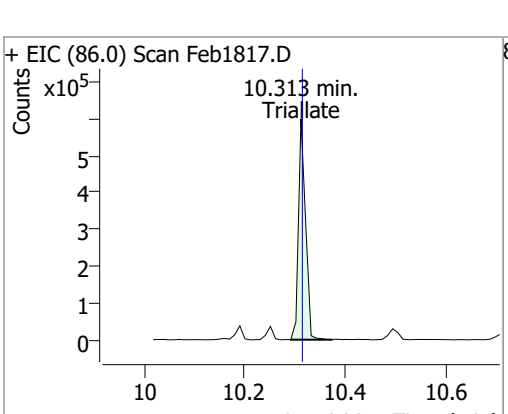
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	94.9415	10.25	0.00	2466442 (m)	176.0	18.0	12.9	23.9

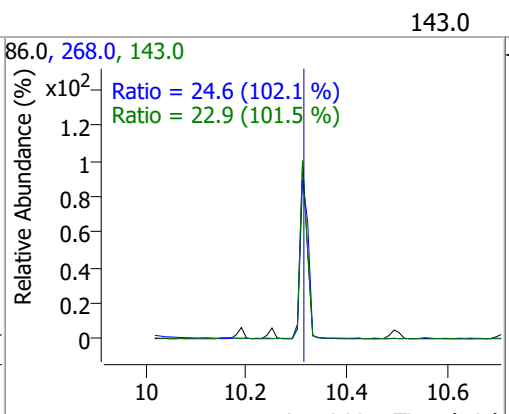


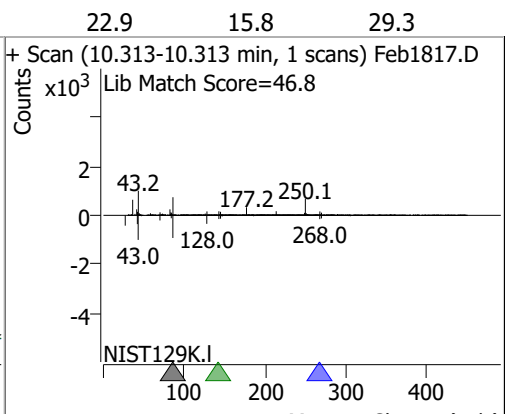




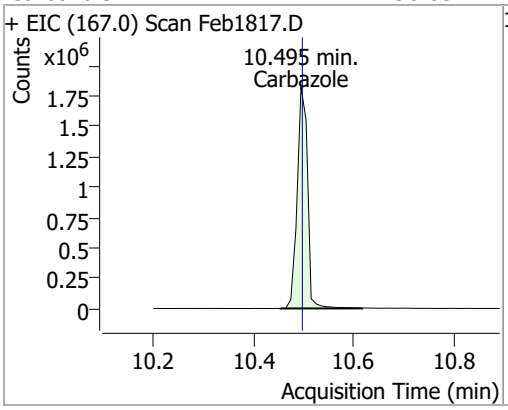
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	92.2071	10.31	0.00	582930	268.0	24.6	16.9	31.4
					143.0	22.9	15.8	29.3

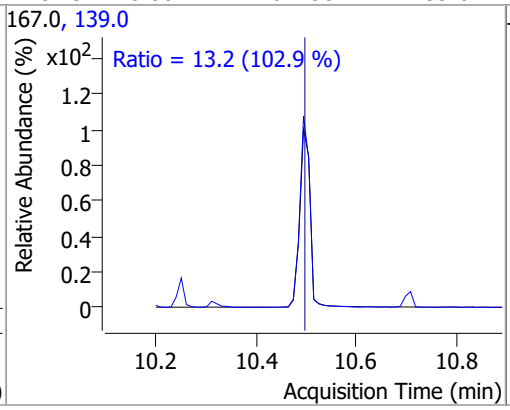


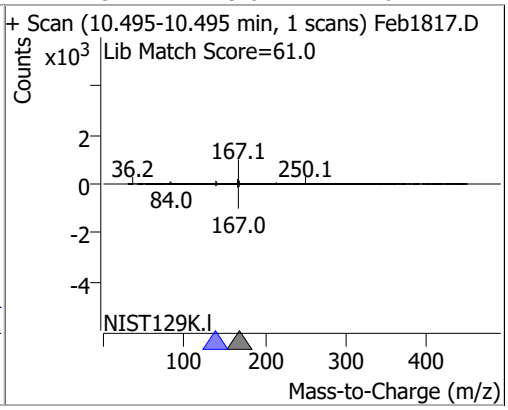




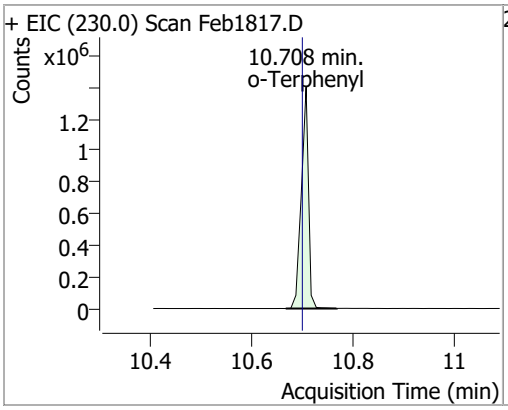
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	98.8542	10.49	0.00	2612382	139.0	13.2	9.0	16.7

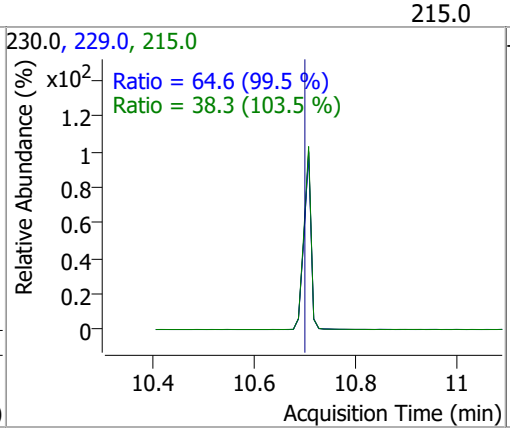


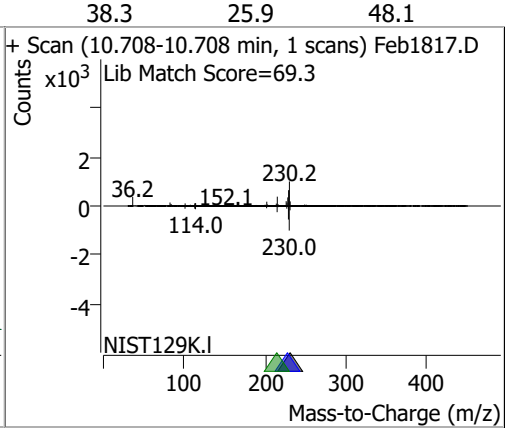




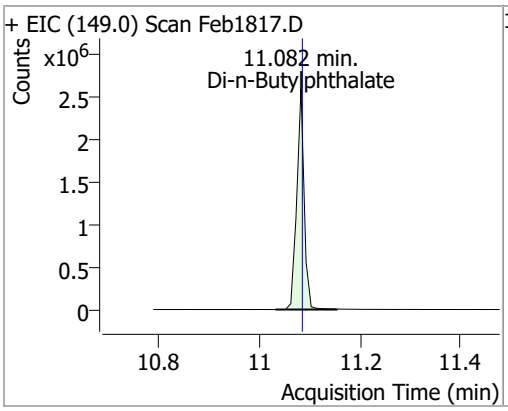
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	95.1386	10.71	0.01	1384295	229.0	64.6	45.4	84.3
					215.0	38.3	25.9	48.1

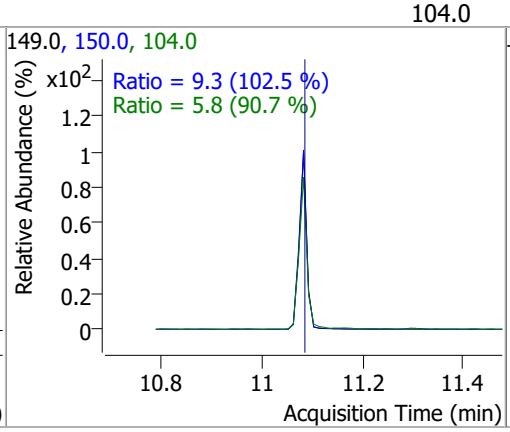


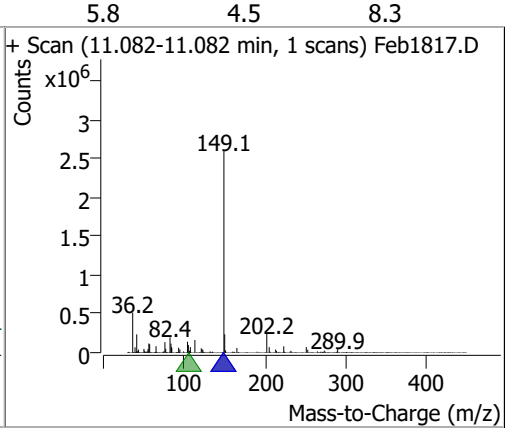




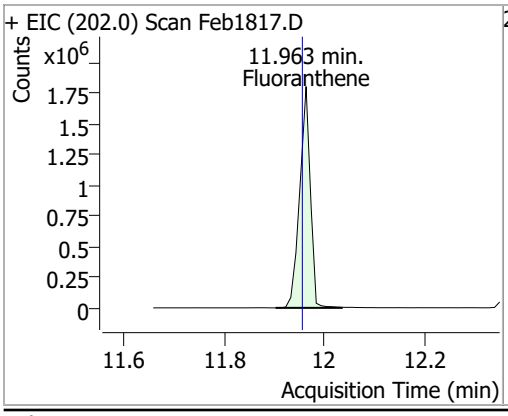
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	101.7237	11.08	0.00	2648677	150.0	9.3	6.3	11.8
					104.0	5.8	4.5	8.3

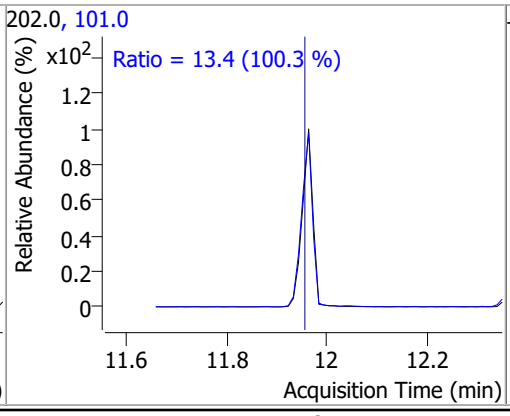


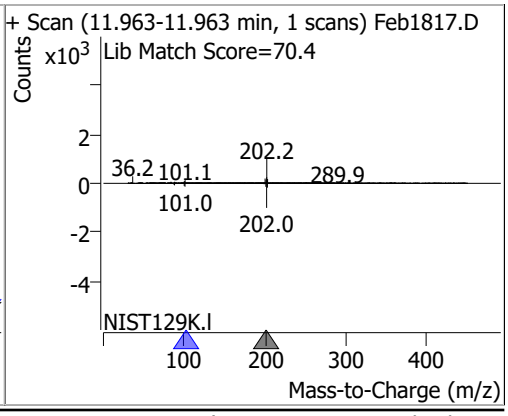




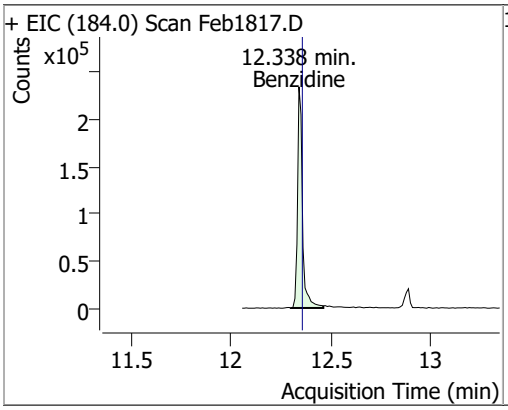
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	96.0829	11.96	0.01	2654095	101.0	13.4	9.4	17.4

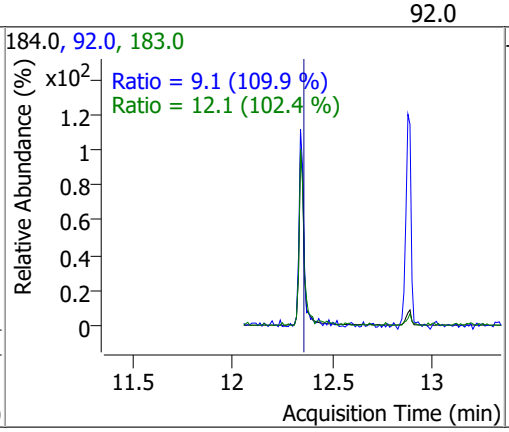


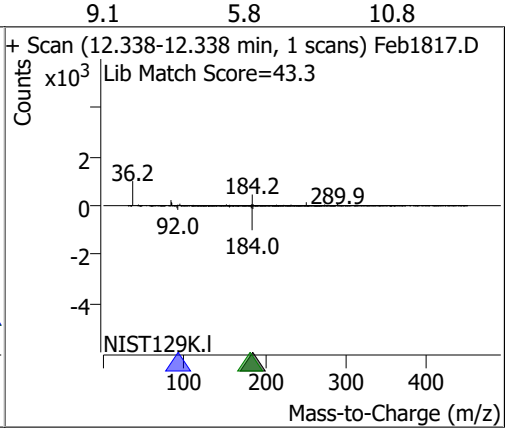




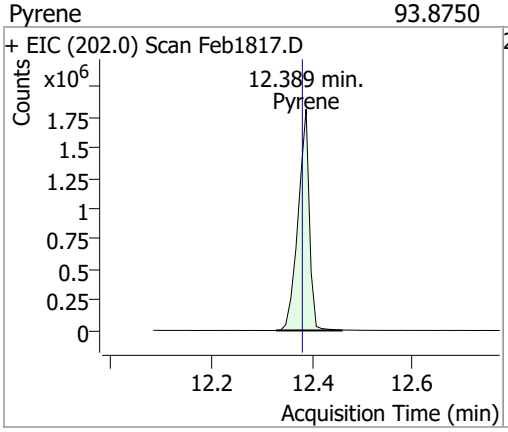
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	39.5313	12.34	-0.01	399463	183.0	12.1	8.3	15.4
					92.0	9.1	5.8	10.8

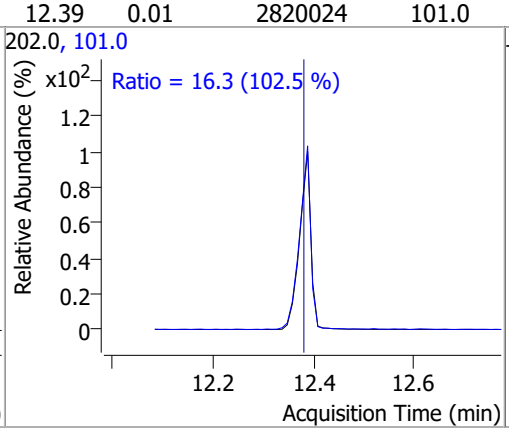


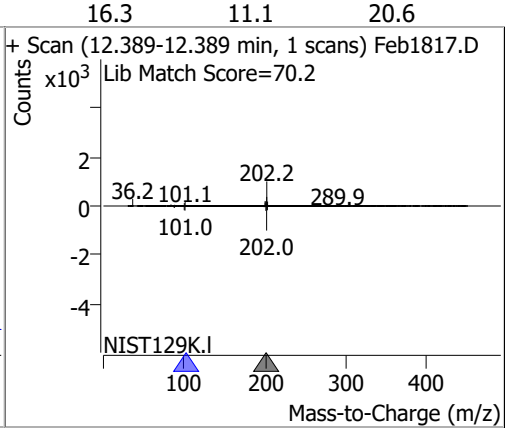




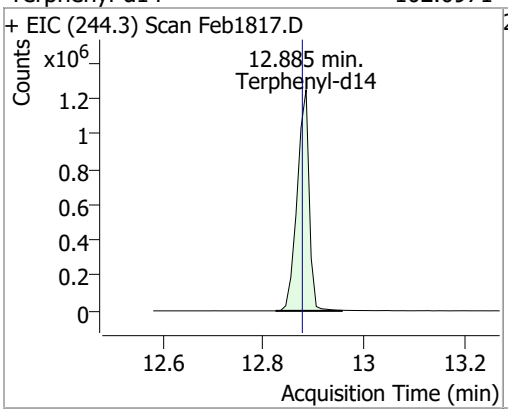
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	93.8750	12.39	0.01	2820024	101.0	16.3	11.1	20.6

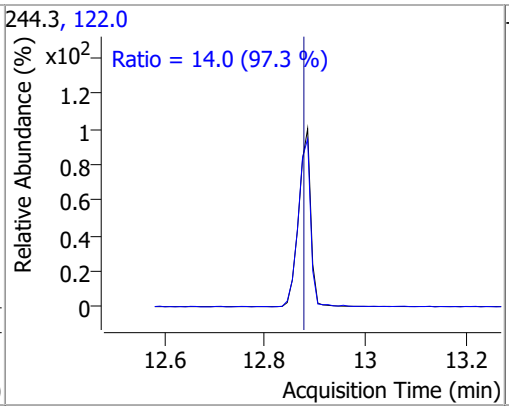


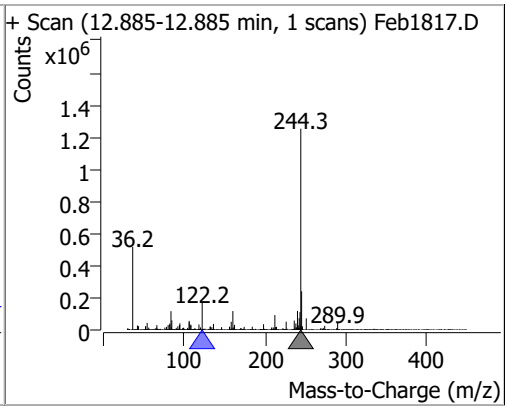




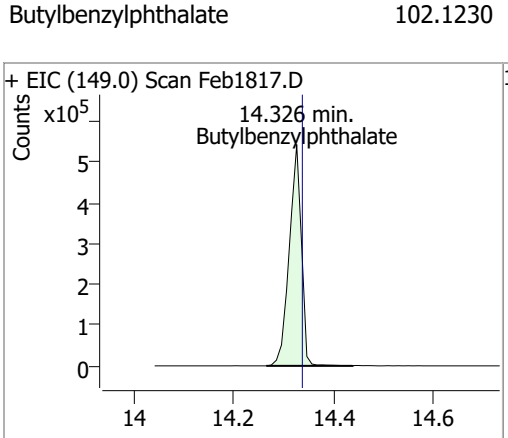
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	102.0971	12.89	0.01	2067821	122.0	14.0	10.1	18.7

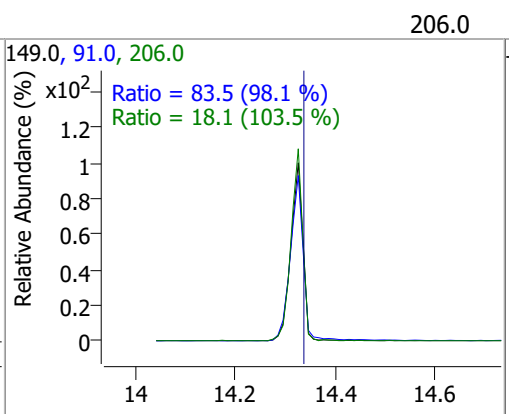


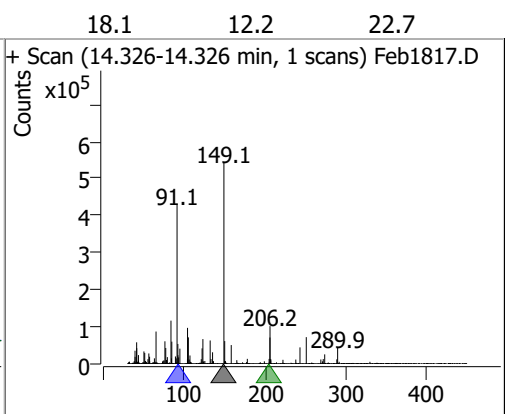




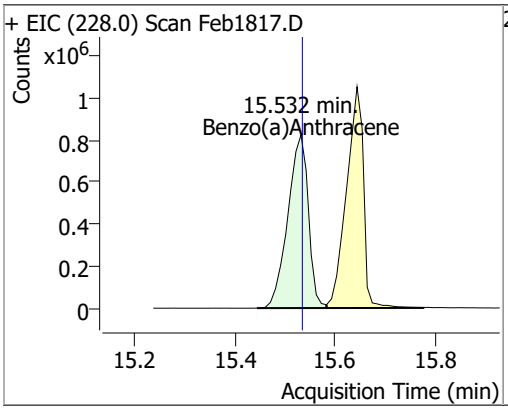
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	102.1230	14.33	0.01	919992	91.0	83.5	59.6	110.6
					206.0	18.1	12.2	22.7

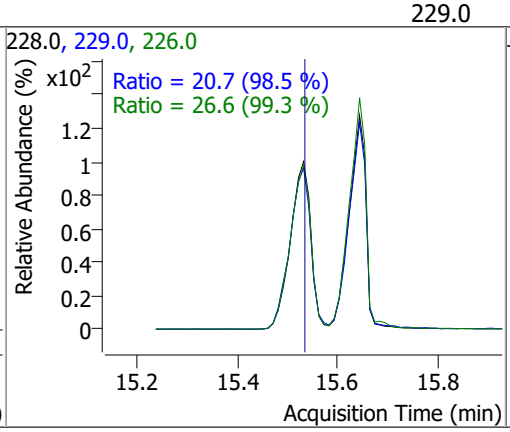


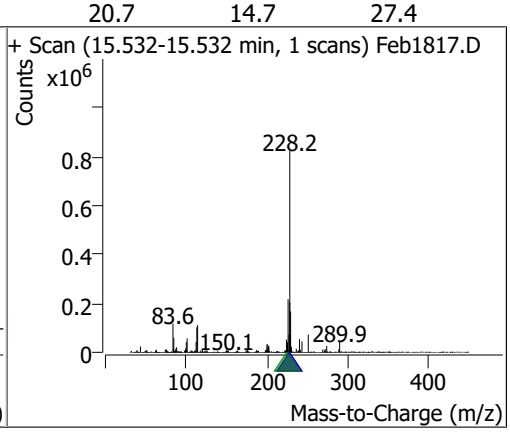




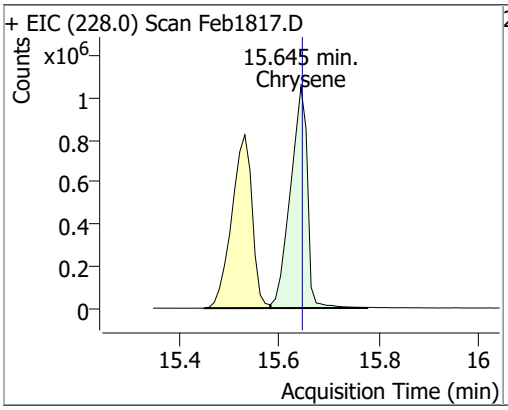
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	105.0410	15.53	0.02	2336100	226.0	26.6	18.8	34.9
					229.0	20.7	14.7	27.4

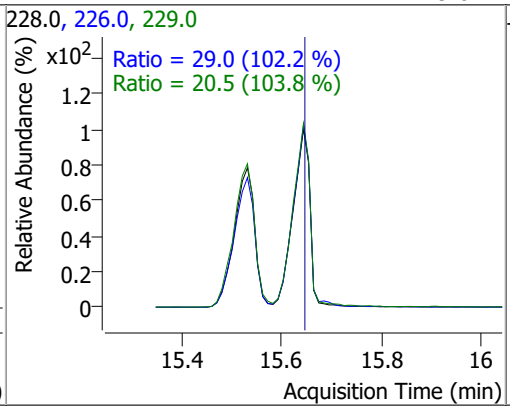


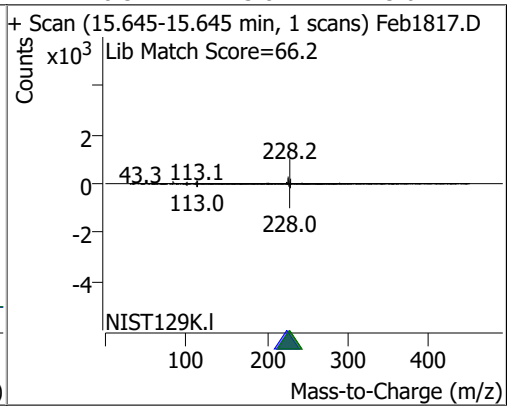




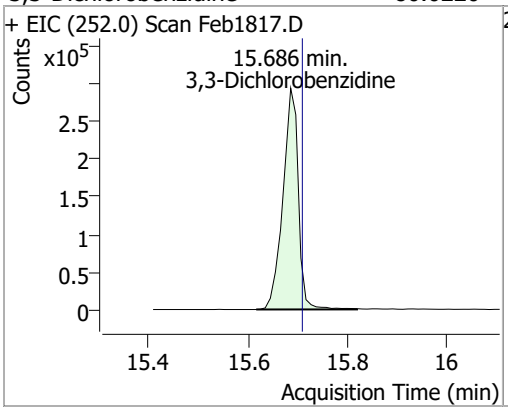
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	100.9429	15.64	0.02	2488700	226.0	29.0	19.9	36.9
					229.0	20.5	13.8	25.6

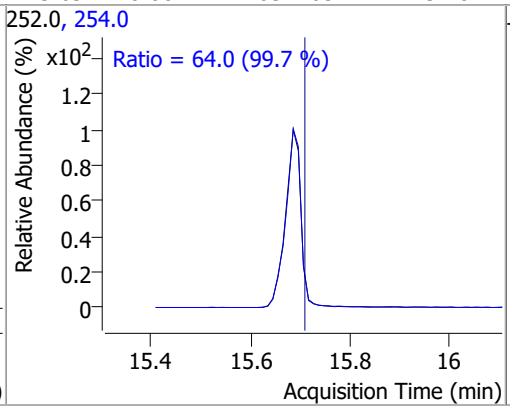


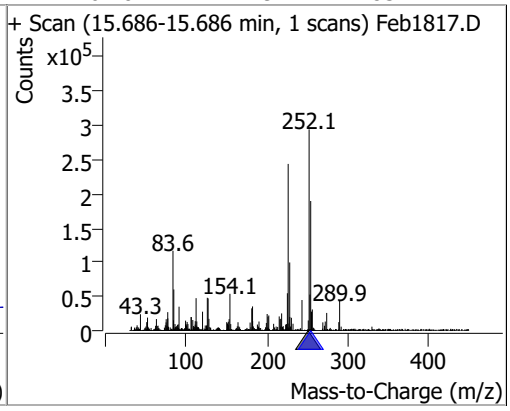




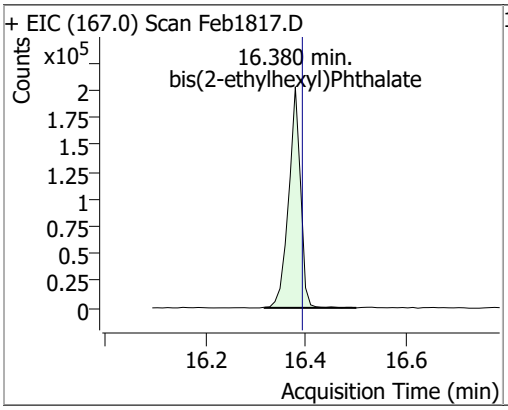
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	80.0220	15.69	0.00	631463	254.0	64.0	44.9	83.4

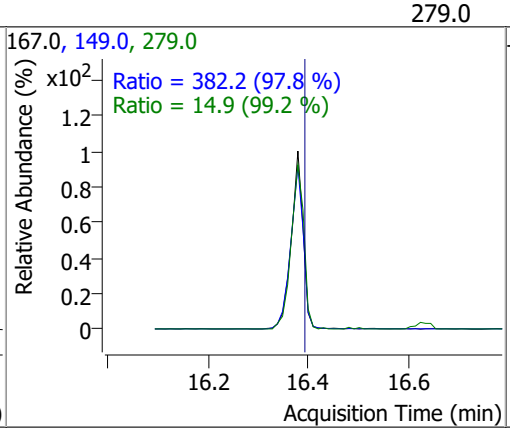


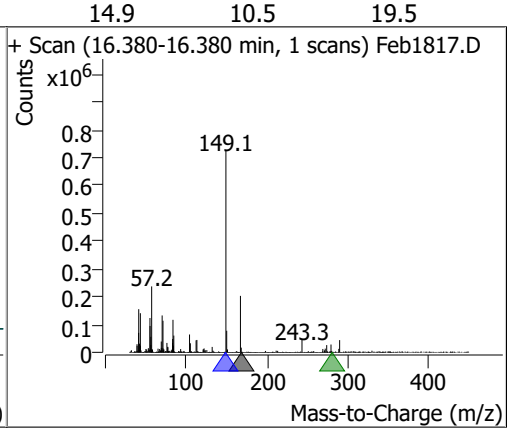




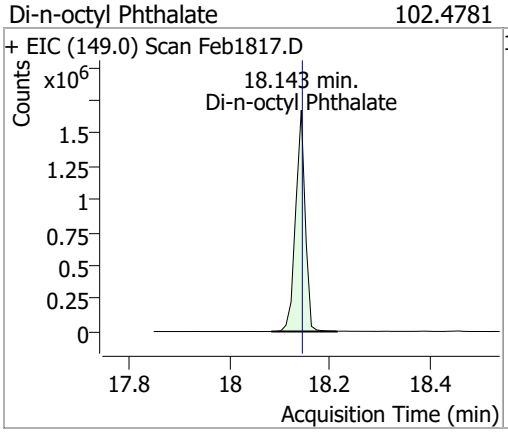
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	106.2539	16.38	0.01	335192	149.0	382.2	273.6	508.0
					279.0	14.9	10.5	19.5

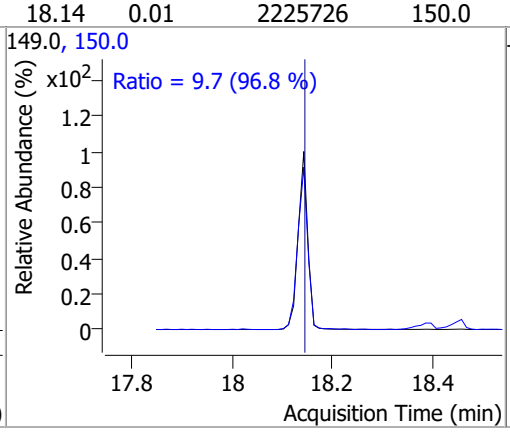


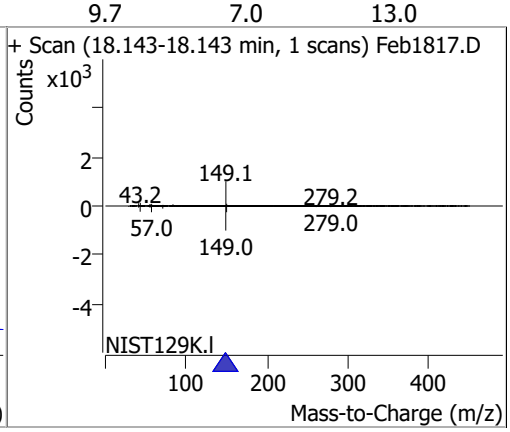




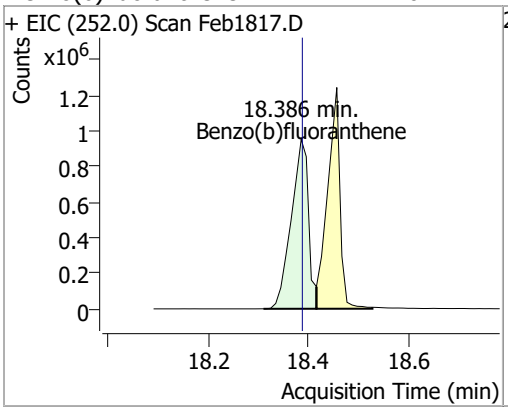
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	102.4781	18.14	0.01	2225726	150.0	9.7	7.0	13.0

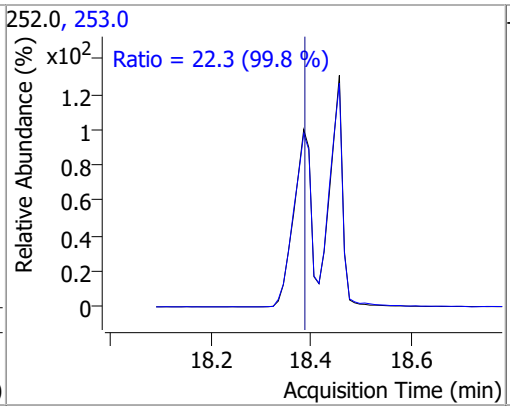


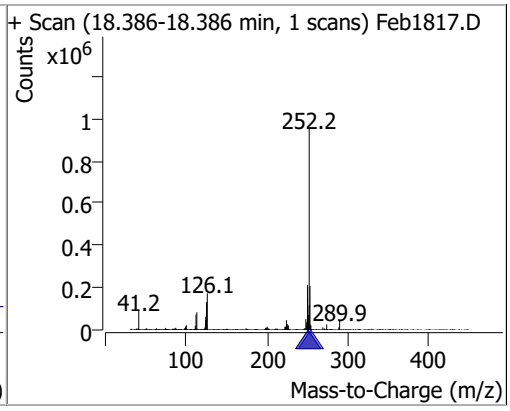




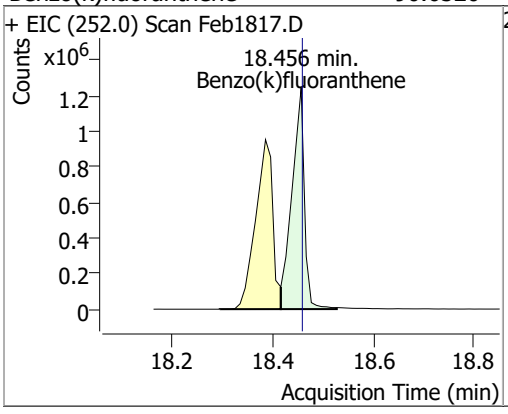
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	101.4242	18.39	0.01	2246056	253.0	22.3	15.6	29.0

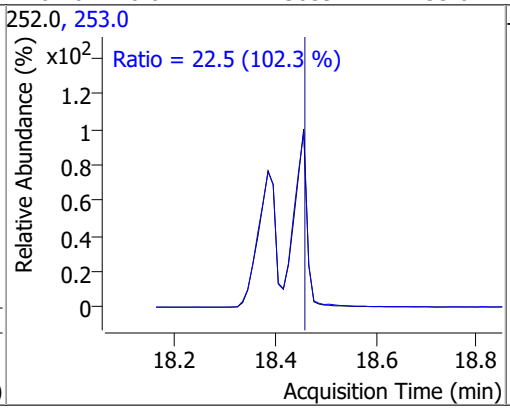


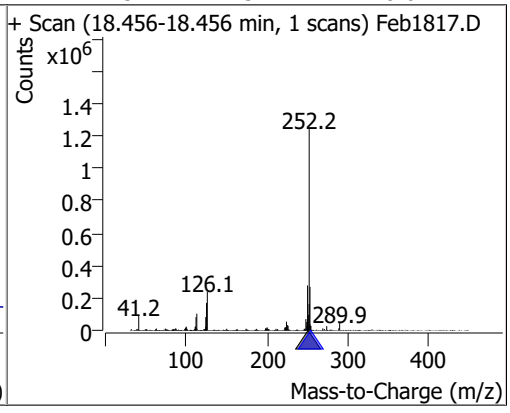




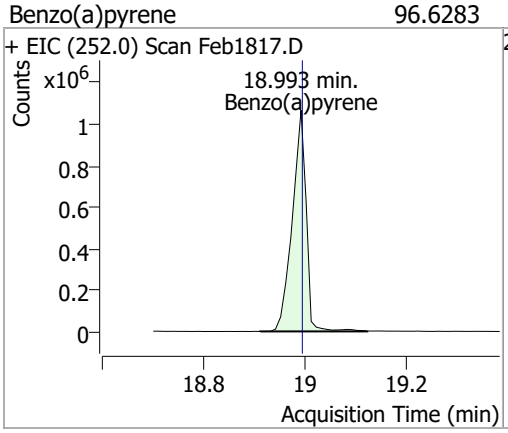
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	90.6520	18.46	0.01	2136394	253.0	22.5	15.4	28.6

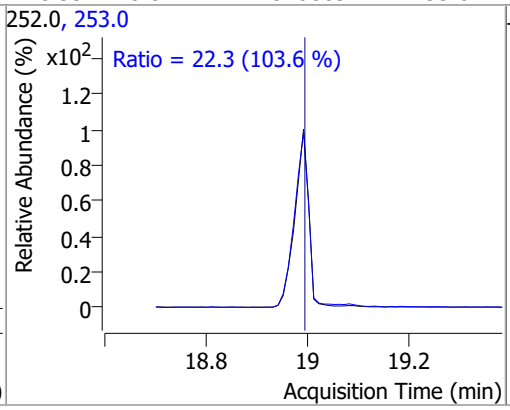


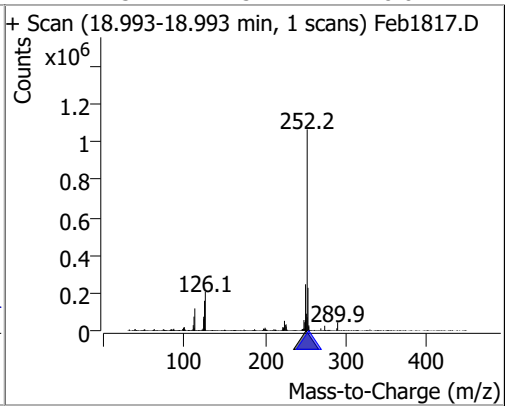




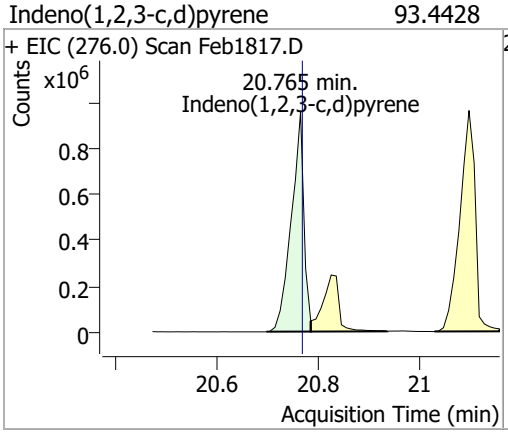
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	96.6283	18.99	0.01	2046889	253.0	22.3	15.1	28.0

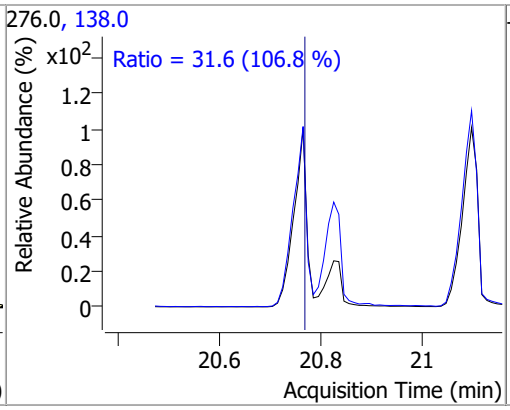


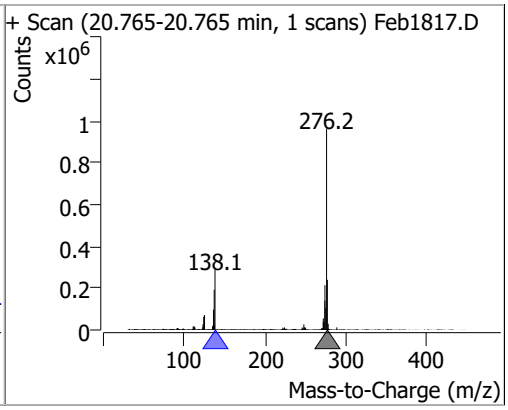




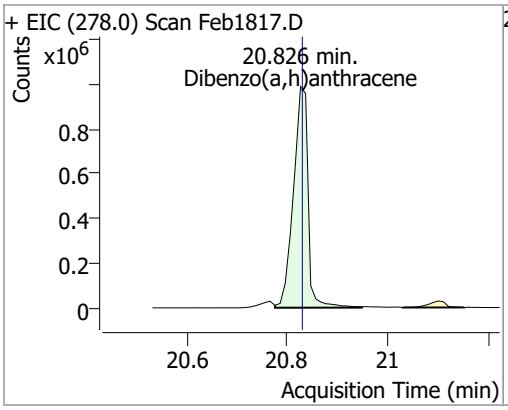
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	93.4428	20.77	0.01	1660169	138.0	31.6	20.7	38.5

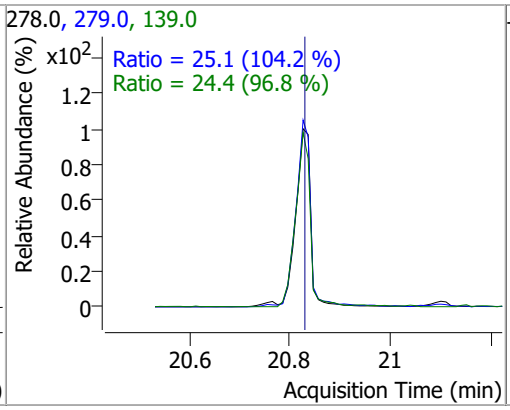


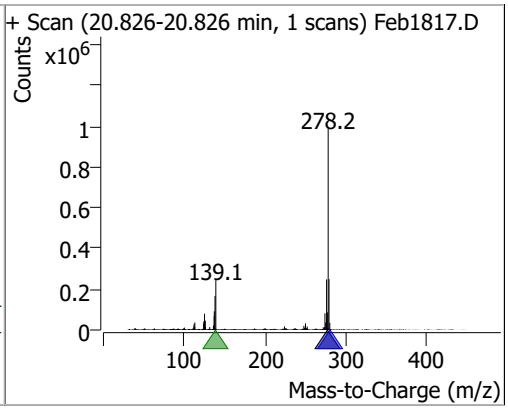




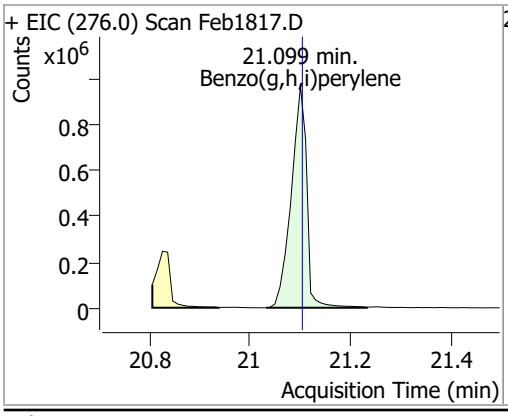
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	102.9883	20.83	0.01	1995247	139.0	24.4	17.6	32.7
					279.0	25.1	16.9	31.3

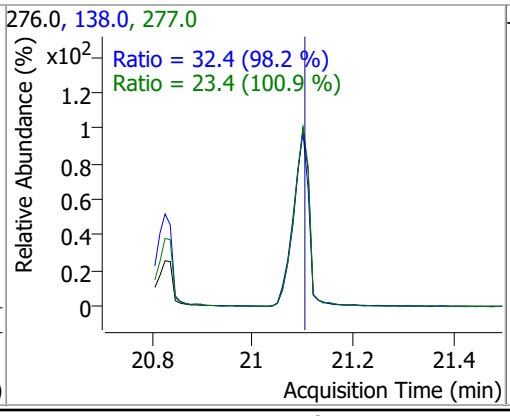


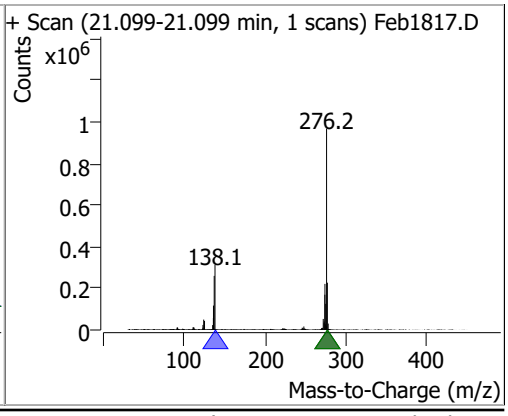




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	100.7959	21.10	0.01	2064319	138.0	32.4	23.1	42.9
					277.0	23.4	16.3	30.2

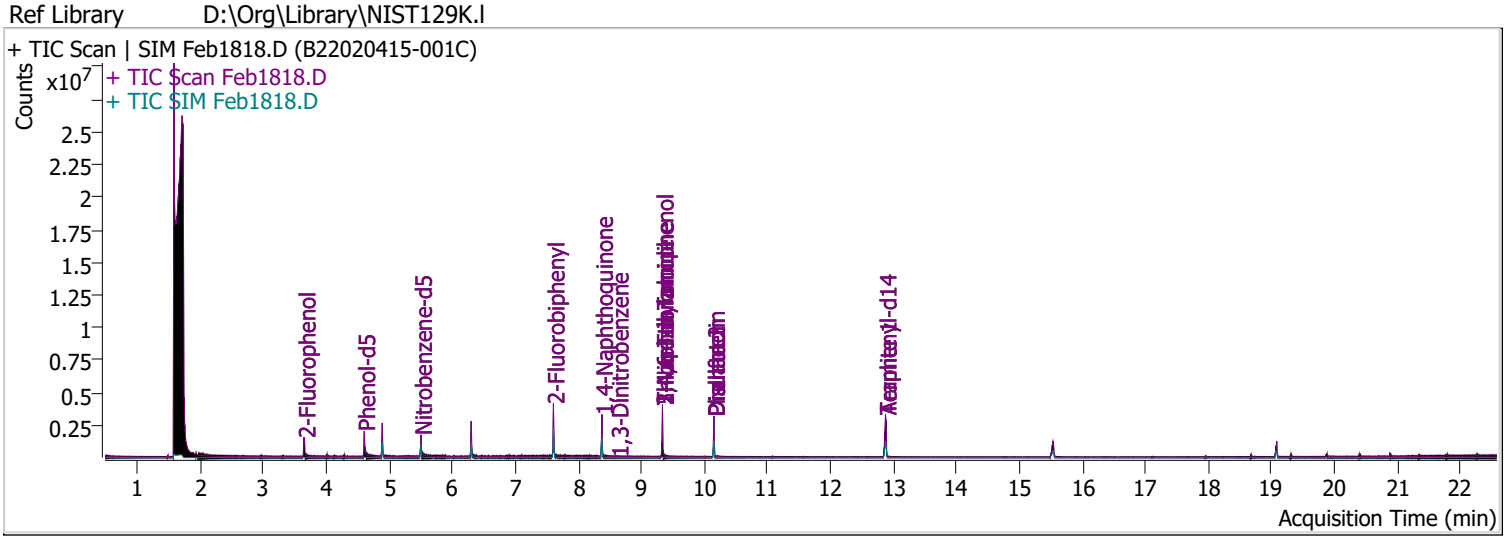






Quantitation Results Report (QT Reviewed)

Data File	Feb1818.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 5:10:38 PM
Sample Name	B22020415-001C	Instrument	Instrument #1
Vial	18	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



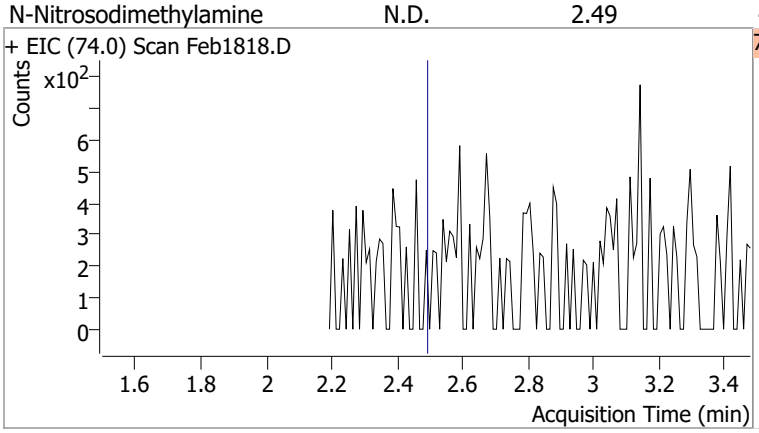
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	595917	65.2404	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 32.62%			
S Phenol-d5	4.603	99.0	678511	57.2893	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 28.64%			
S Nitrobenzene-d5	5.502	82.0	430965	65.6428	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 65.64%			
S 2-Fluorobiphenyl	7.605	172.0	1234757	62.8314	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 62.83%			
S 2,4,6-Tribromophenol	9.336	329.8	304704	167.4576	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 83.73%			
S Terphenyl-d14	12.875	244.3	1945113	103.2925	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 103.29%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	4.889	63.0	0		µg/L	md	1
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

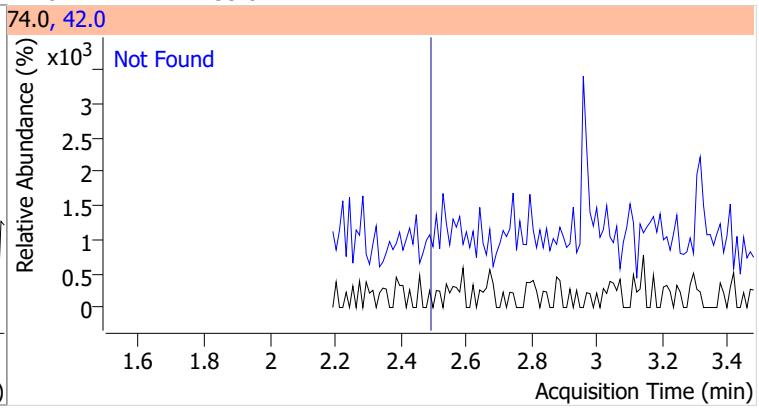
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	6.300	130.0	0		µg/L	md	1
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	7.605	65.0	0		µg/L	md	1
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	8.527	184.0	0		µg/L	md	1
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

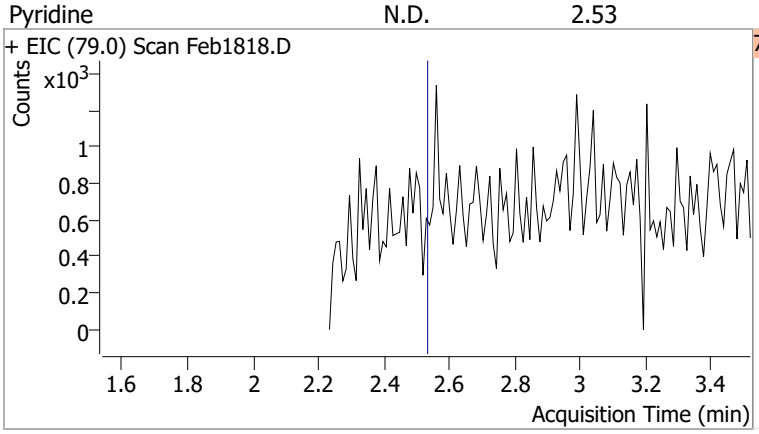
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

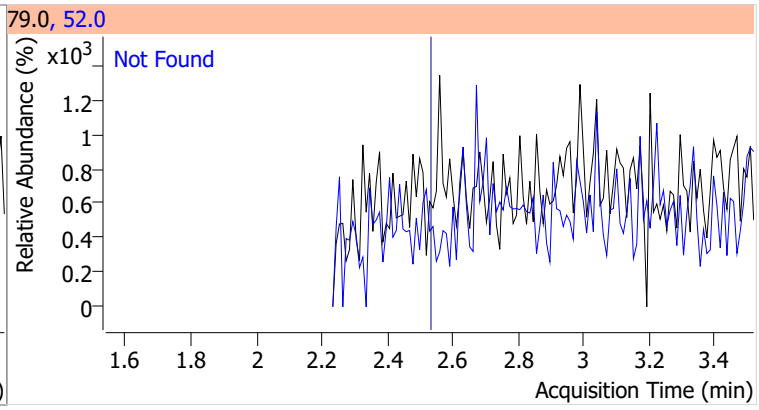
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



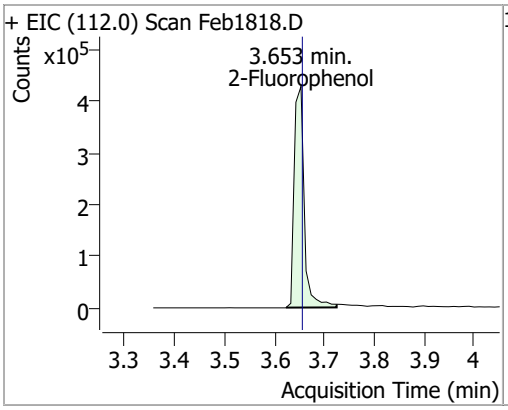


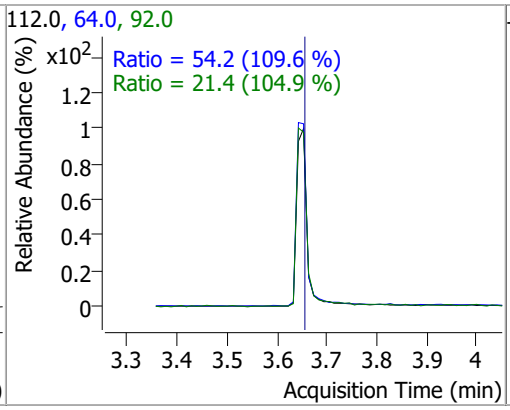
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

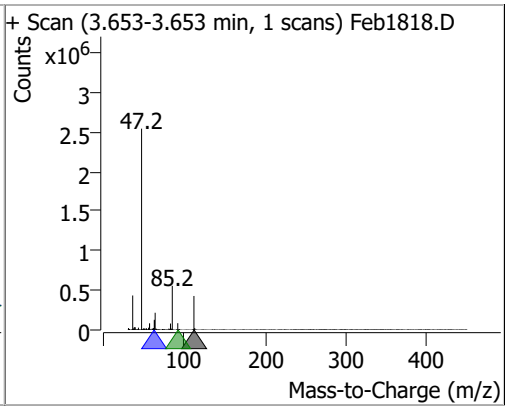




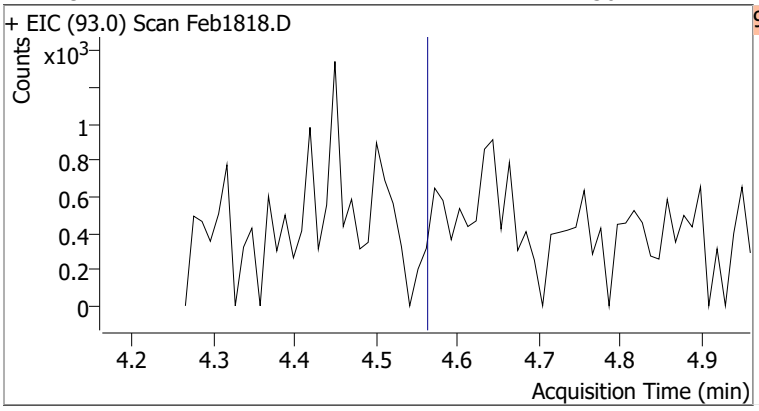
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	65.2404	3.65	0.00	595917	64.0	54.2	34.6	64.3
					92.0	21.4	14.2	26.5

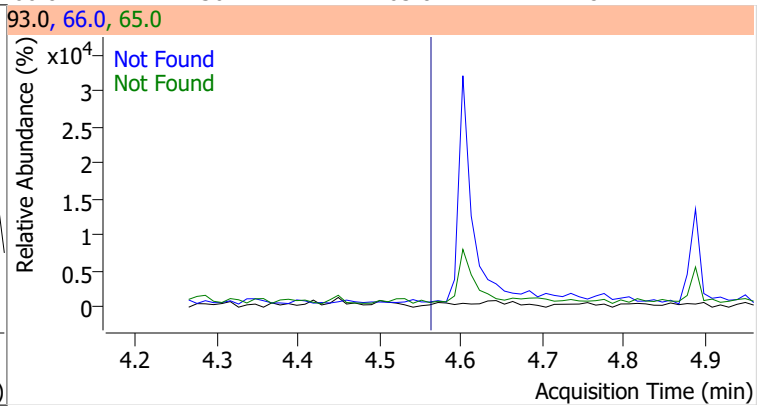




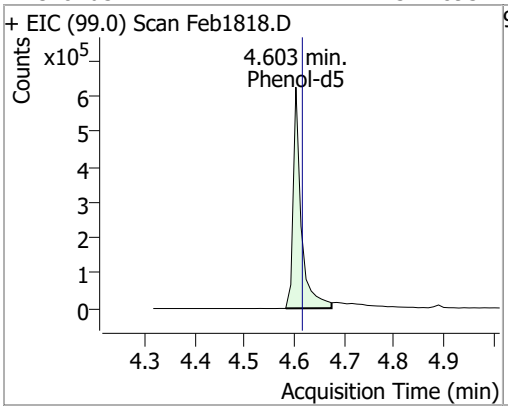


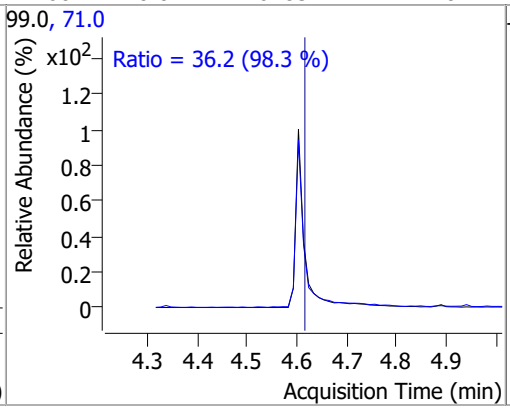
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

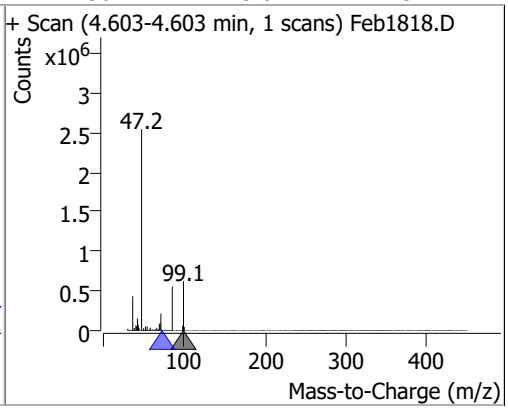




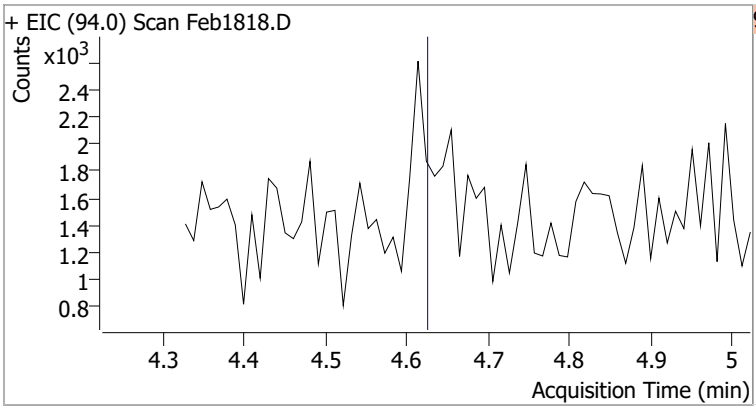
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	57.2893	4.60	-0.01	678511	71.0	36.2	25.8	47.9

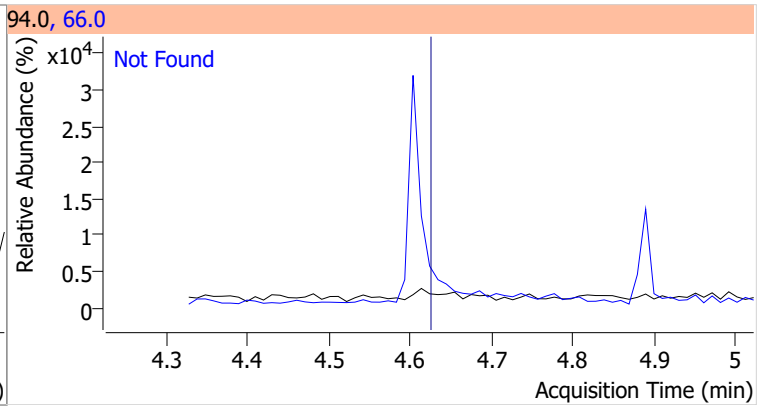




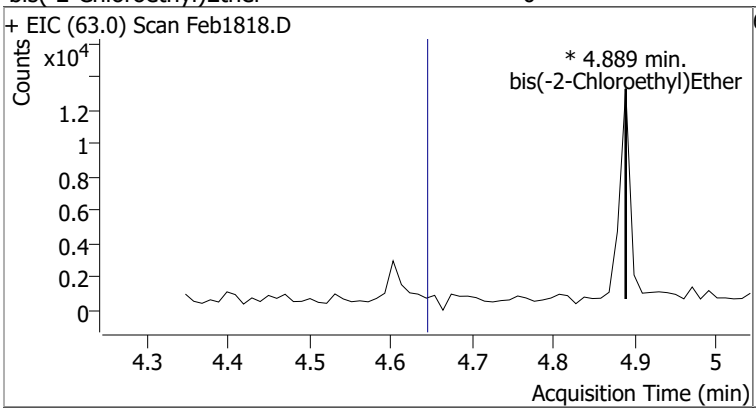


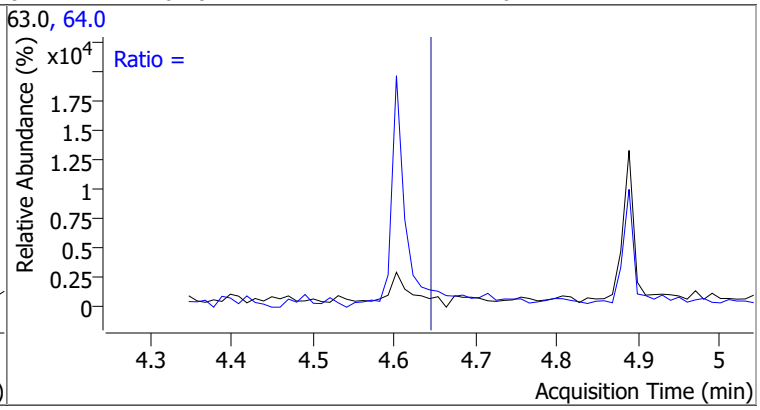
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



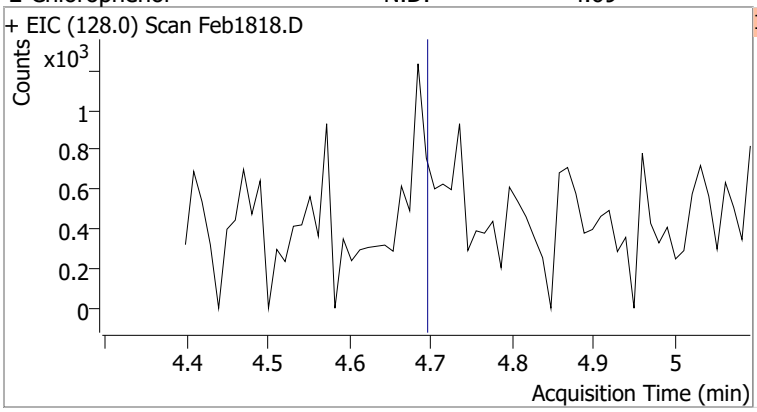


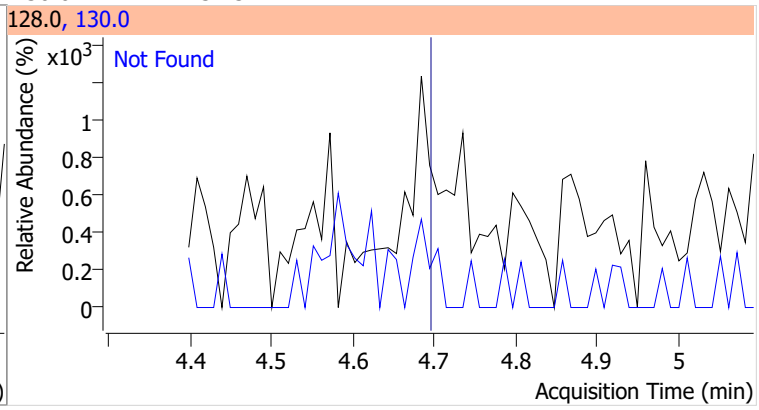
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether		0		0	64.0		7.6	14.1



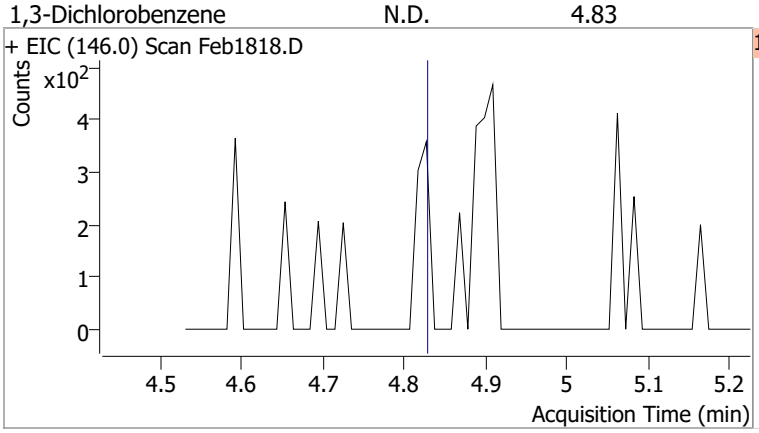


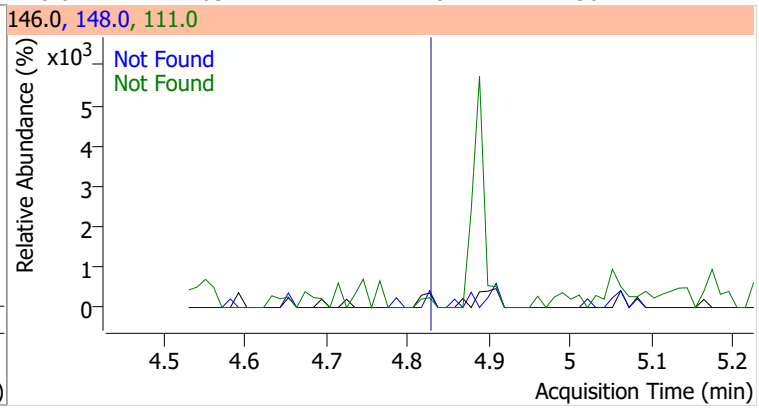
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



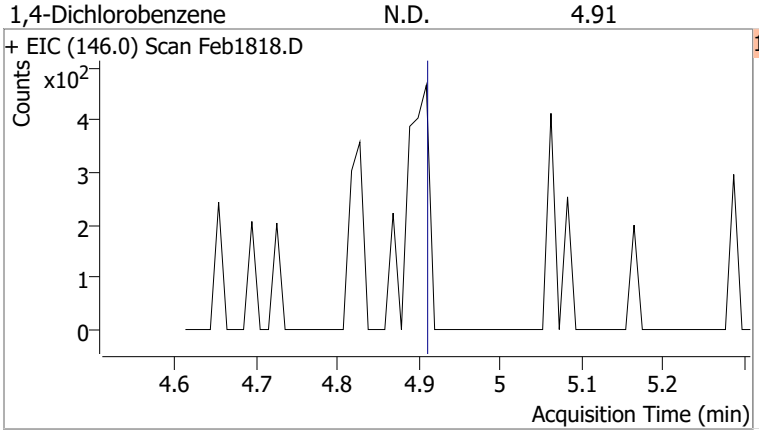


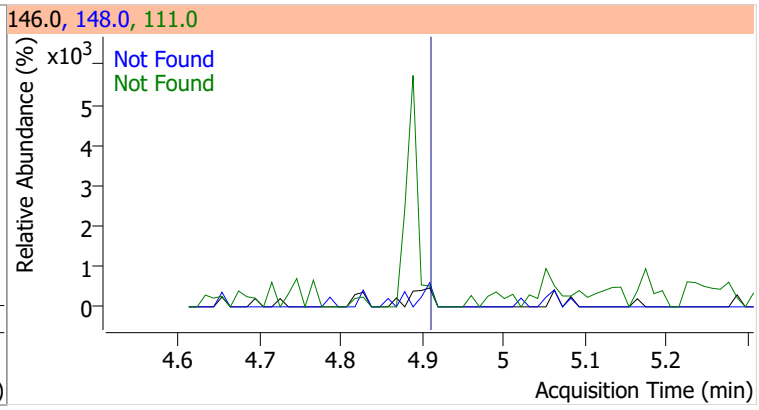
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



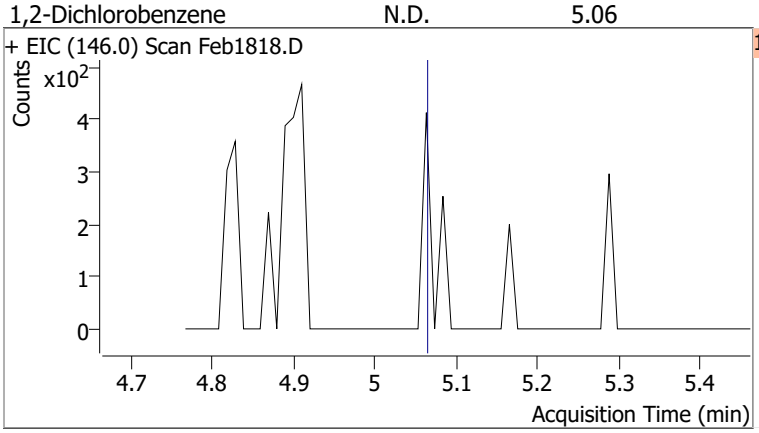


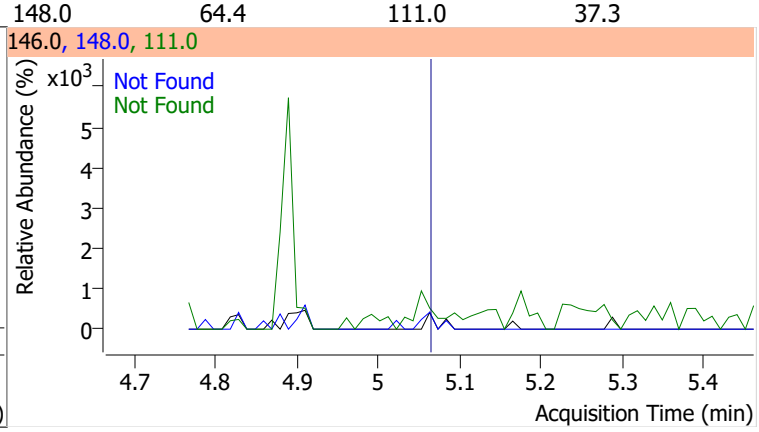
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



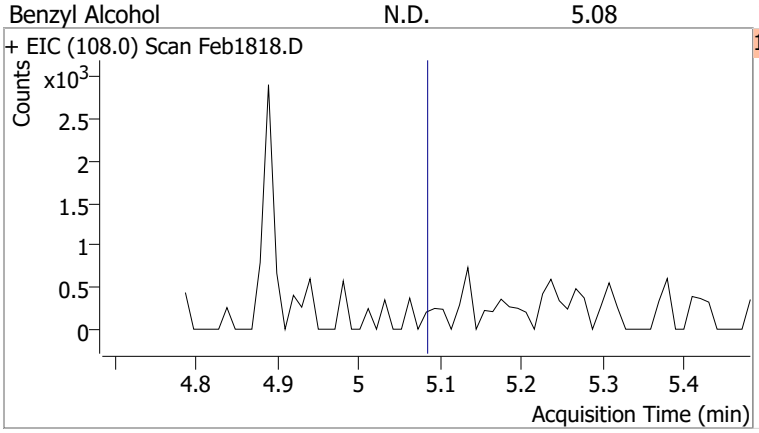


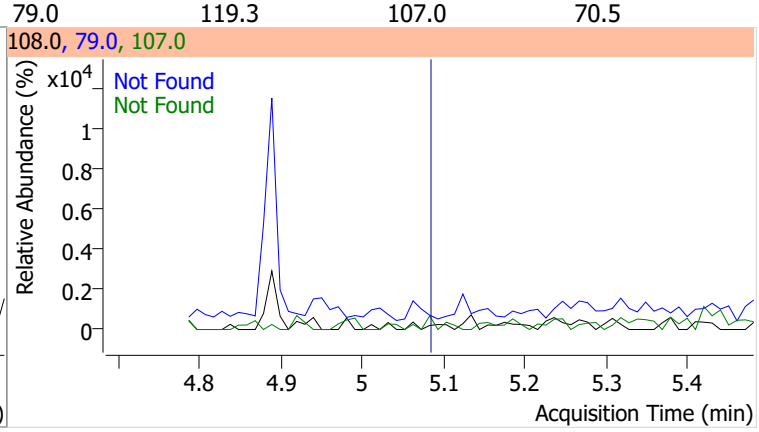
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



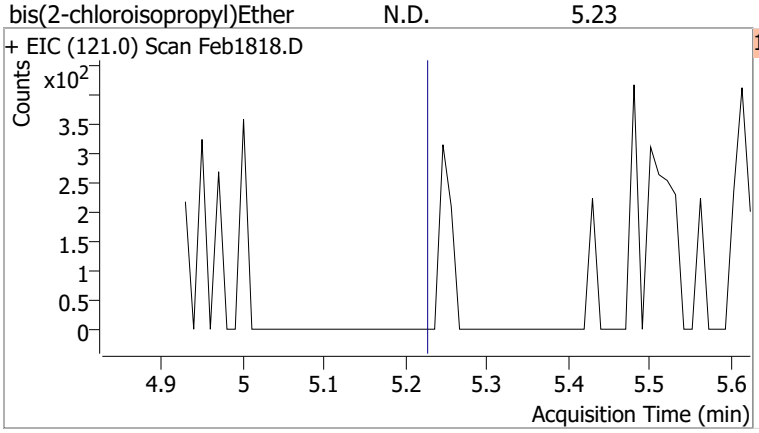


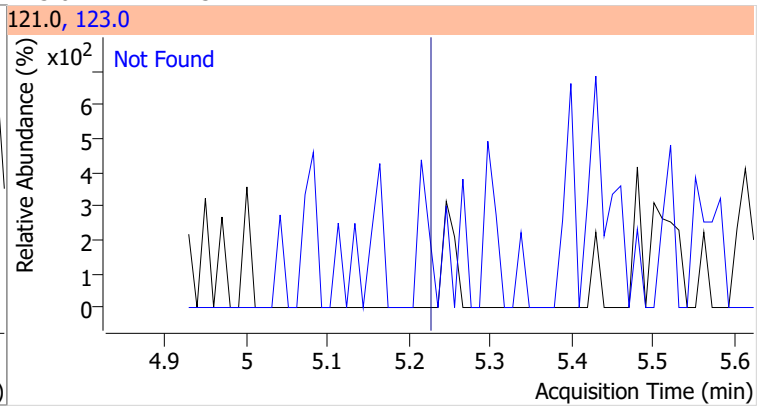
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



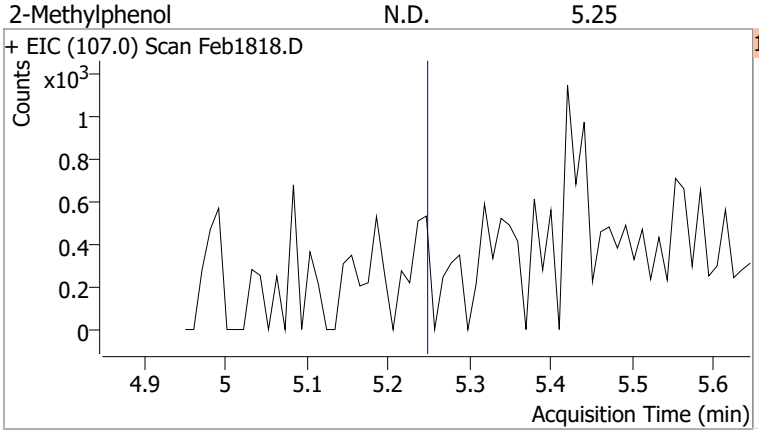


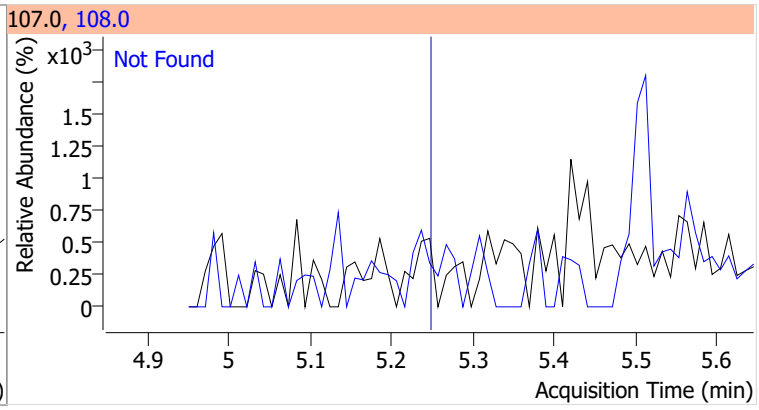
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



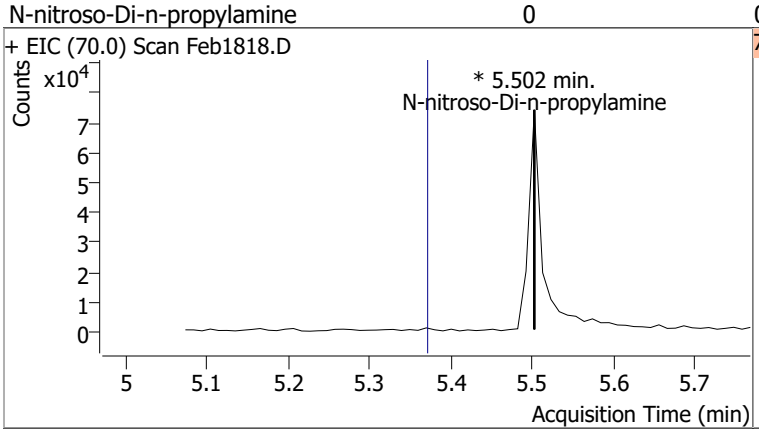


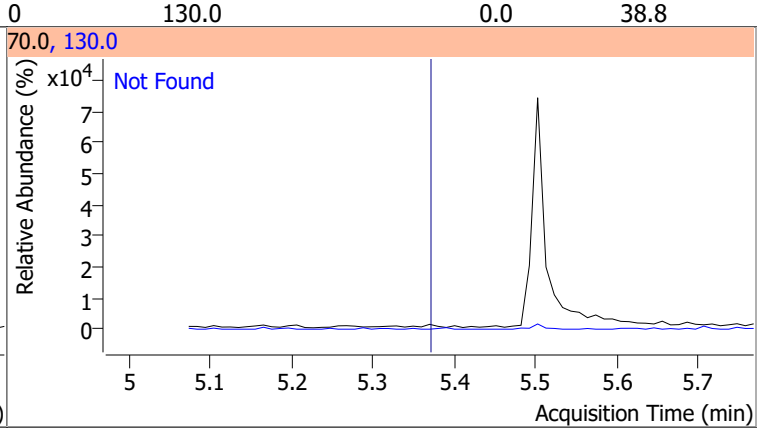
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



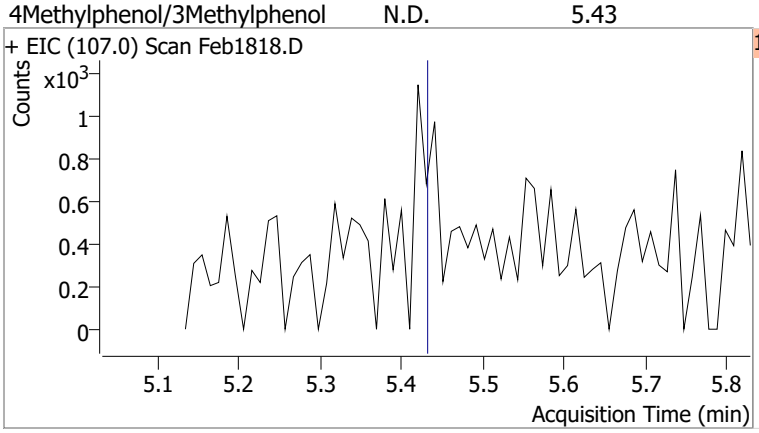


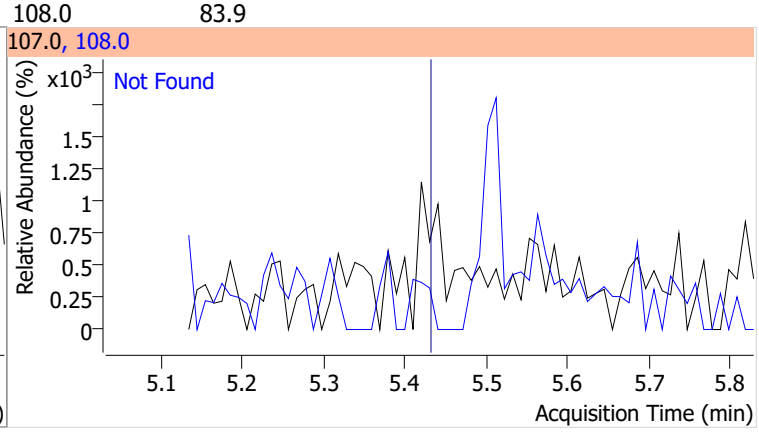
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



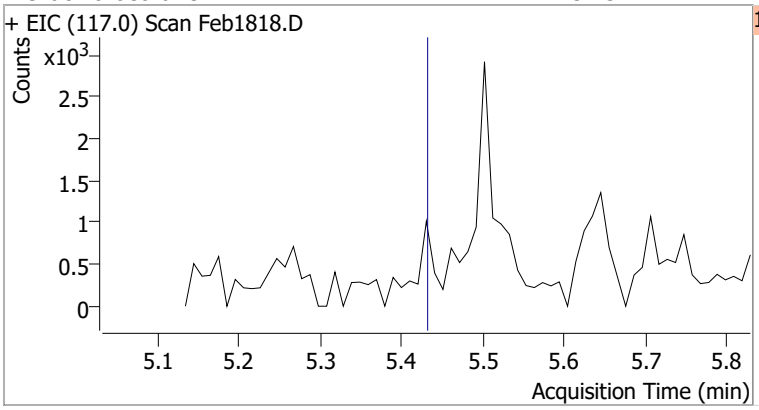


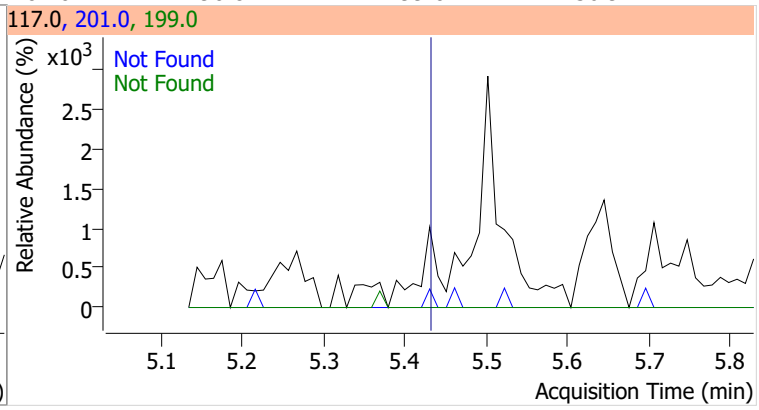
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



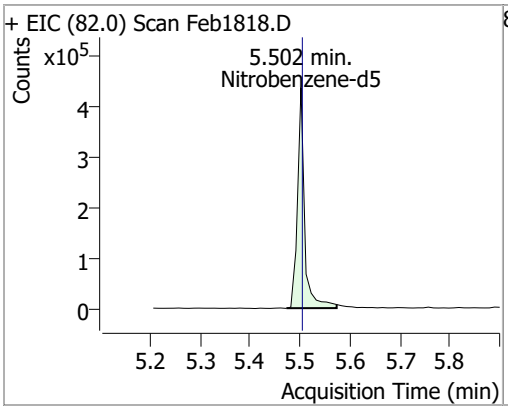


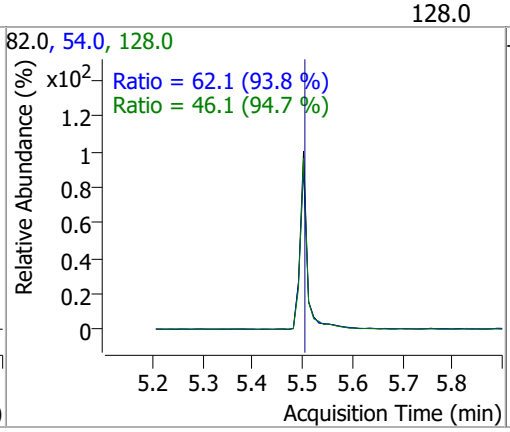
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

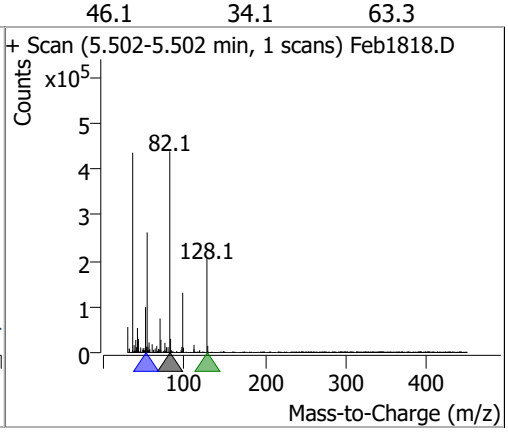




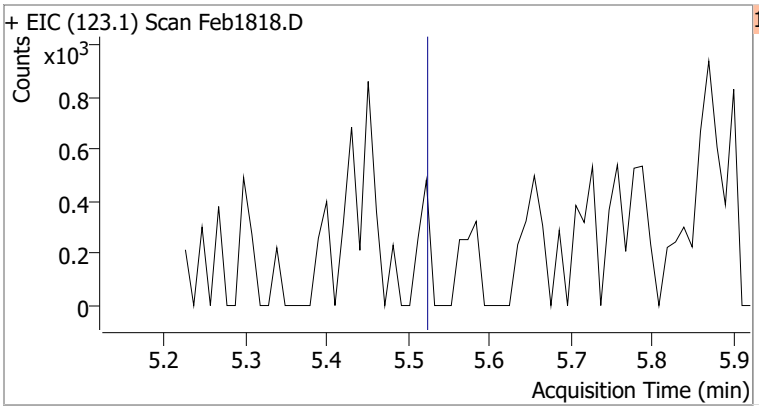
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	65.6428	5.50	0.00	430965	54.0	62.1	46.3	86.0
					128.0	46.1	34.1	63.3

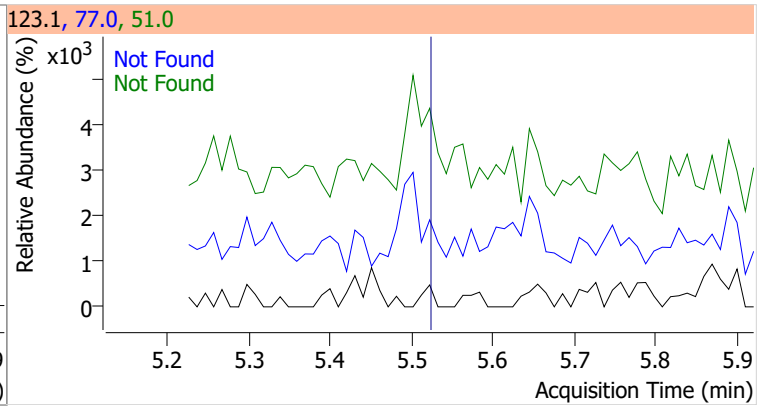




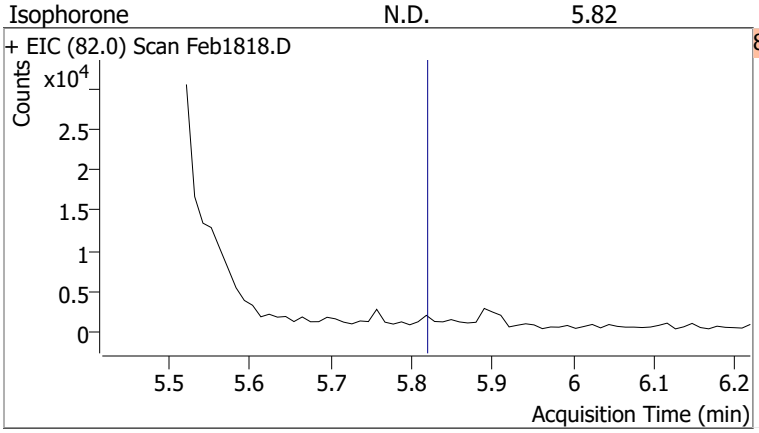


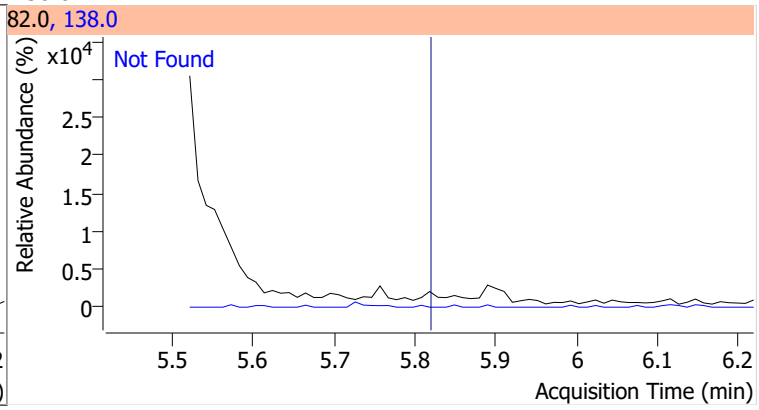
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



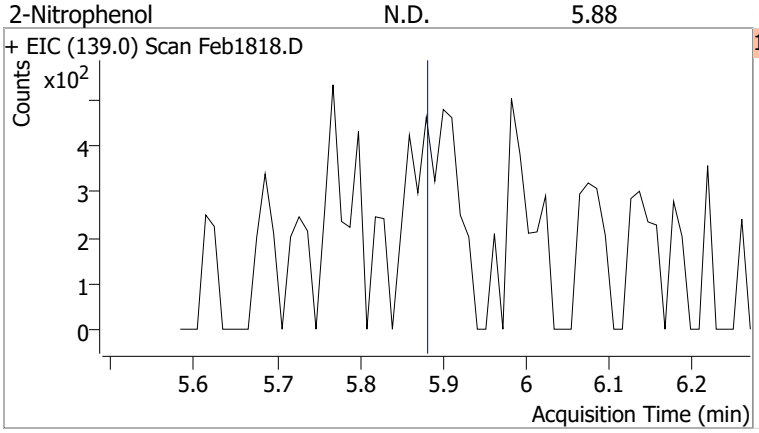


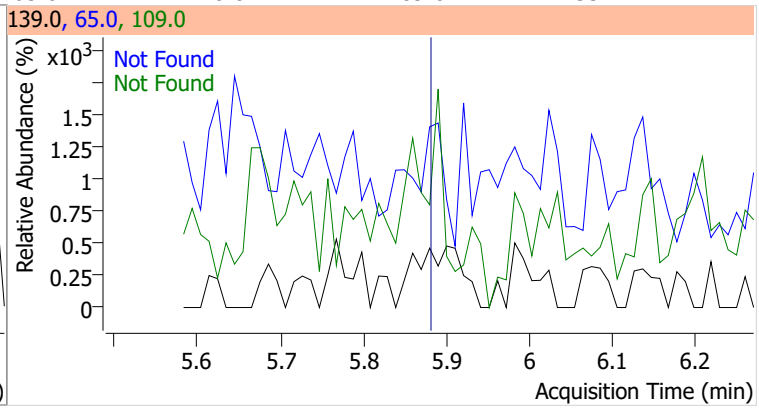
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



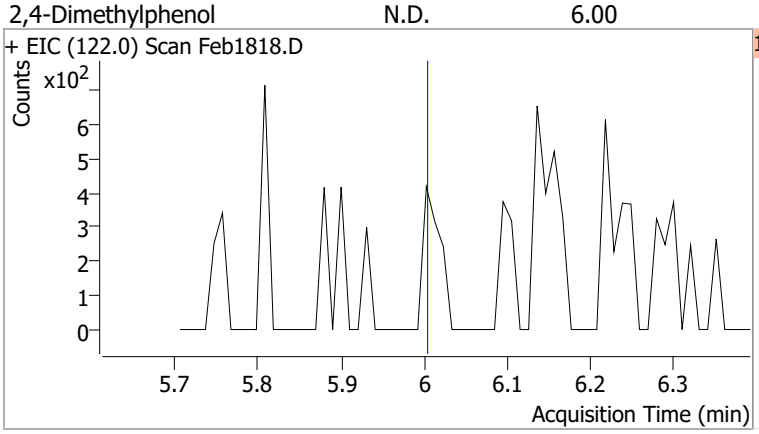


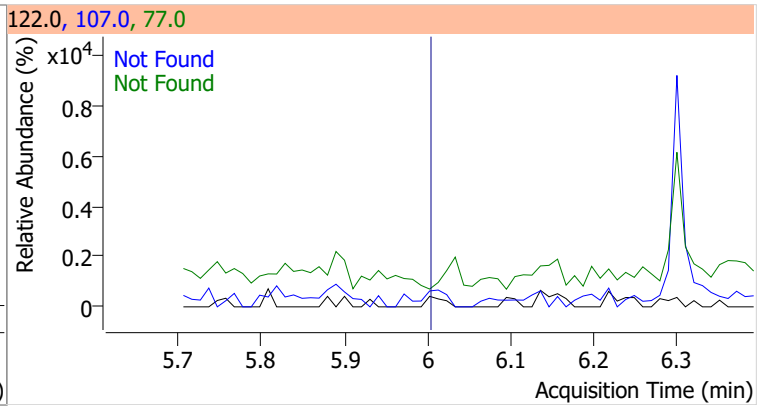
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



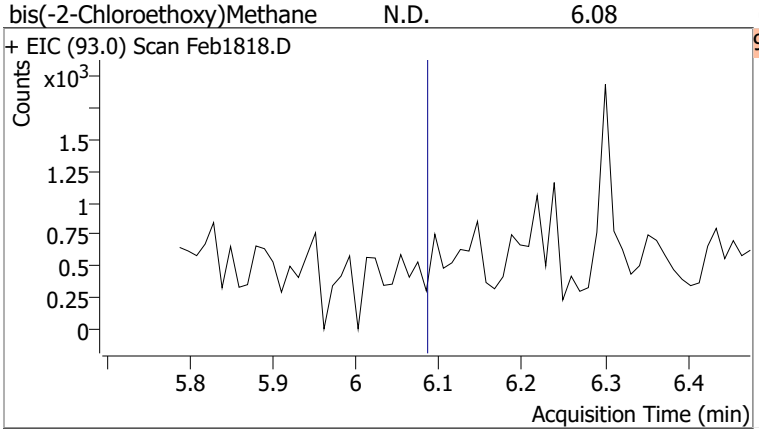


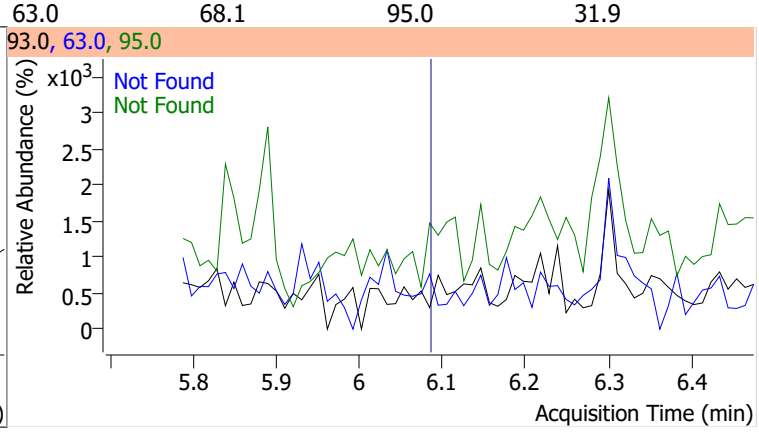
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



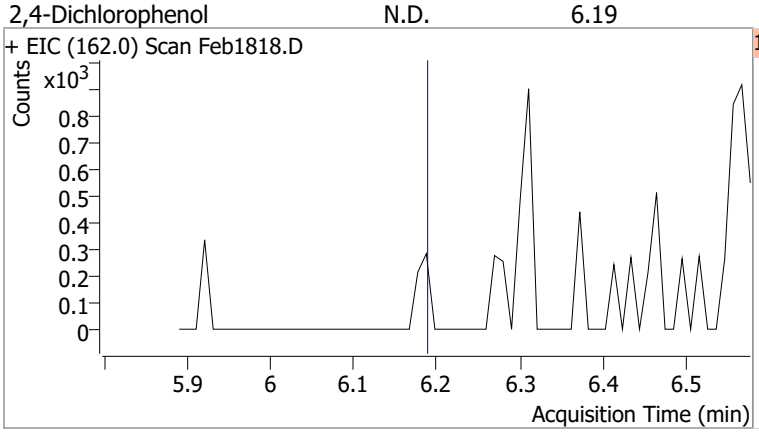


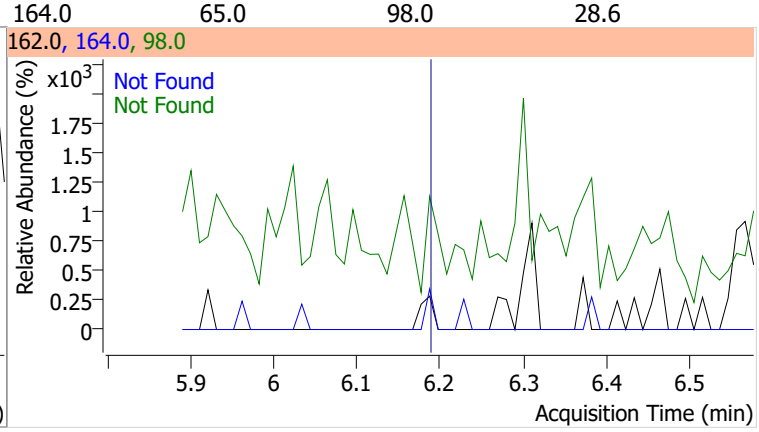
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



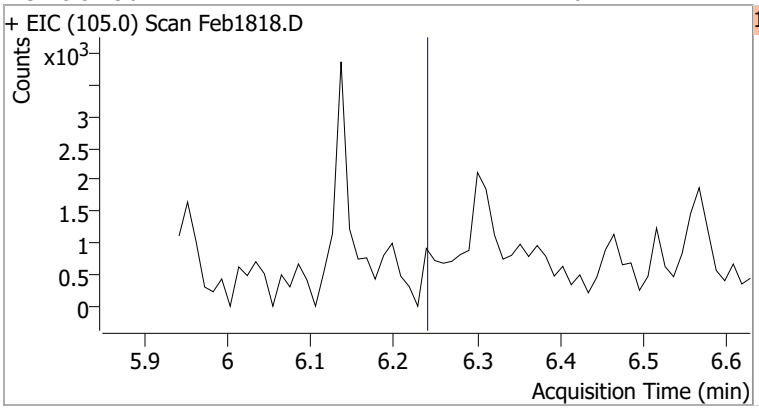


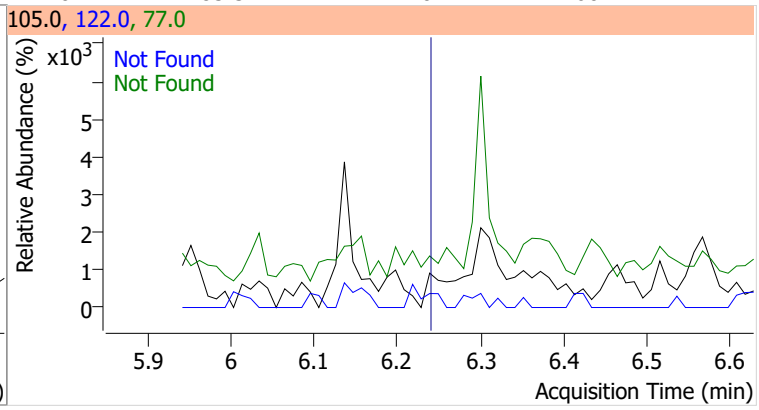
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



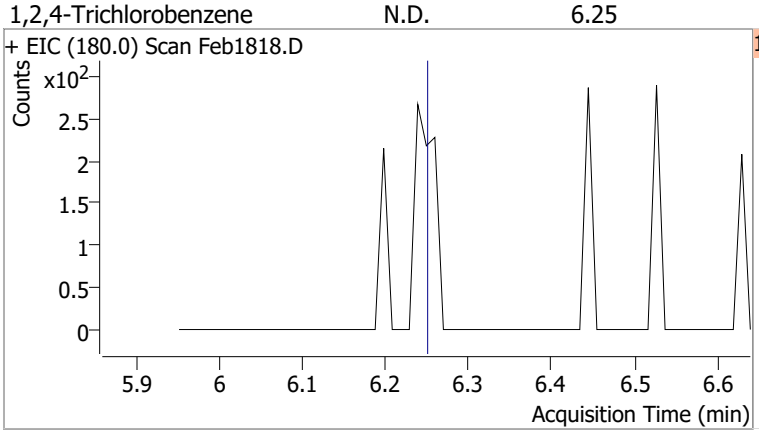


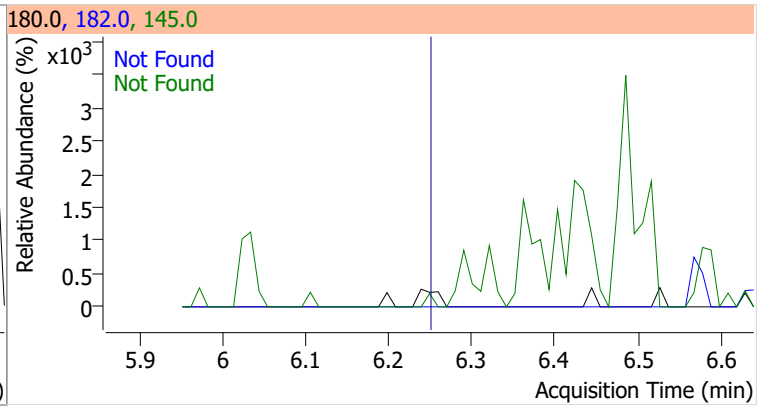
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



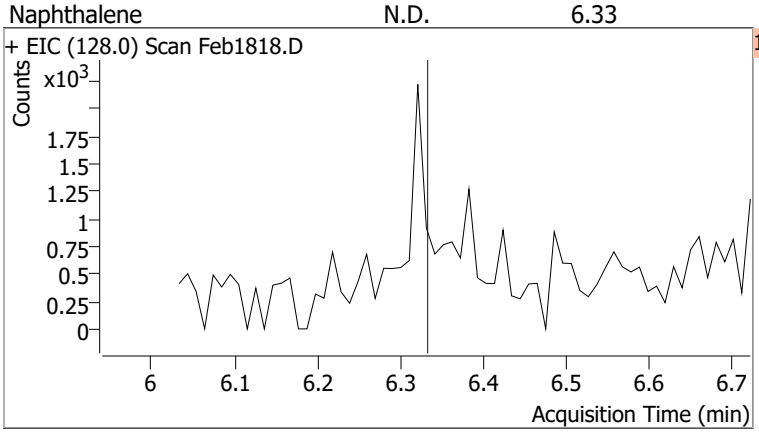


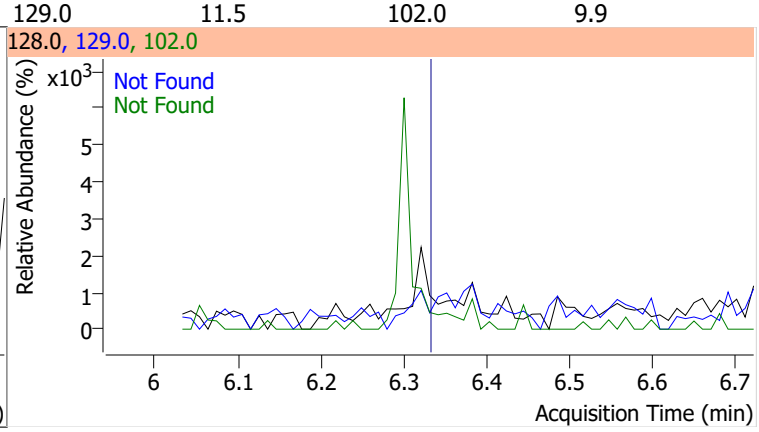
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



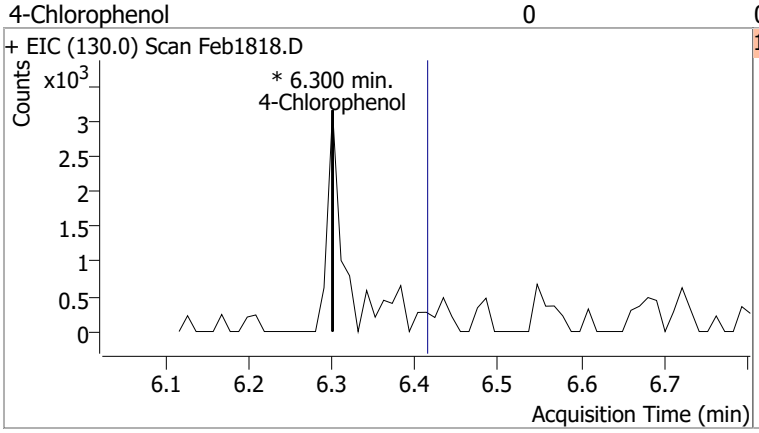


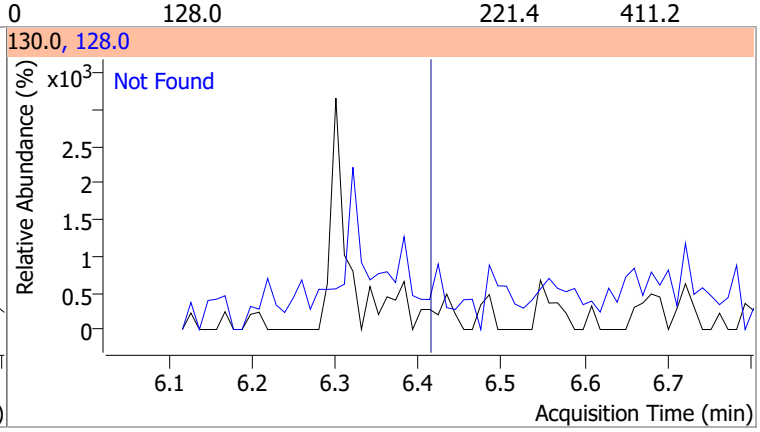
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



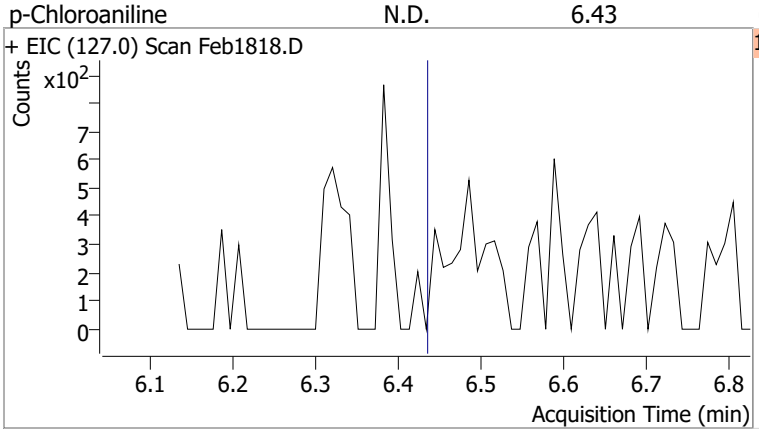


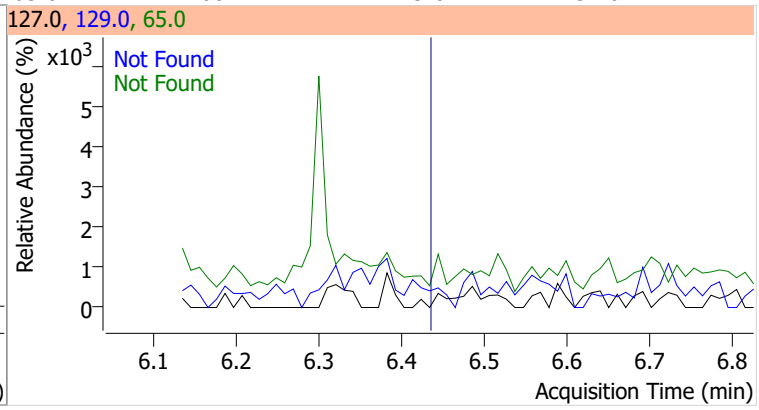
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol		0		0	128.0		221.4	411.2



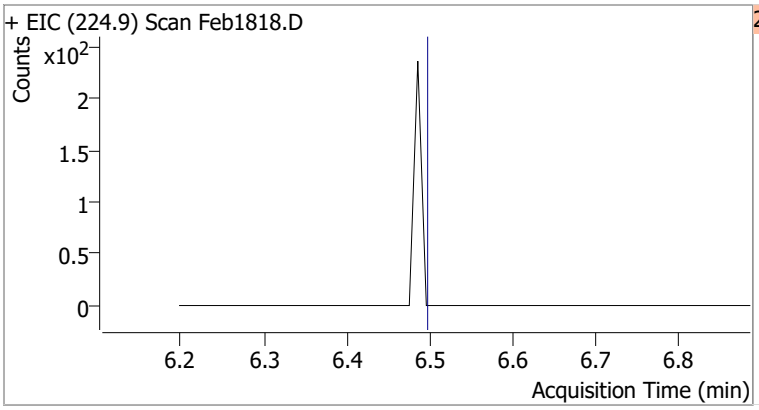


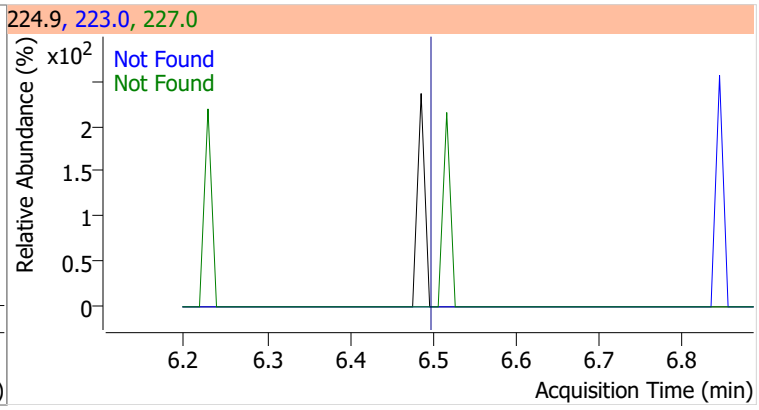
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



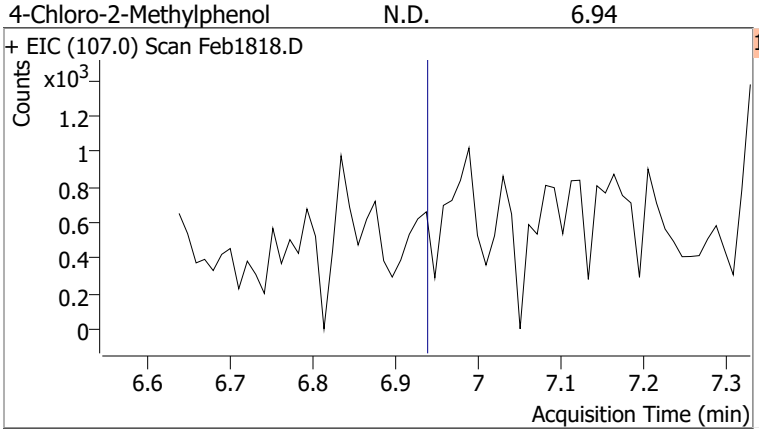


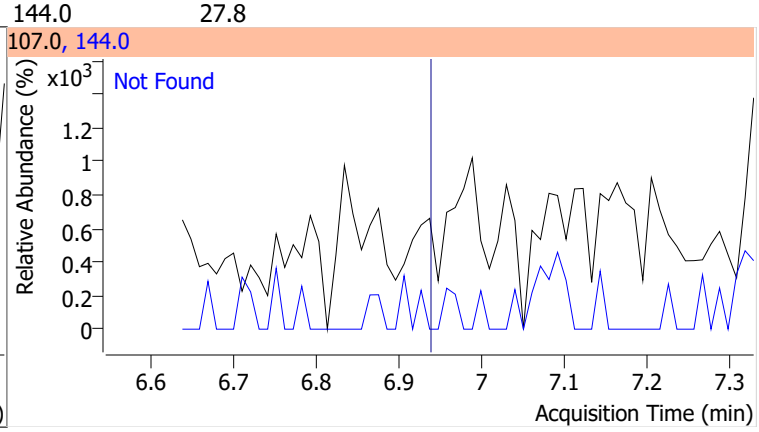
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



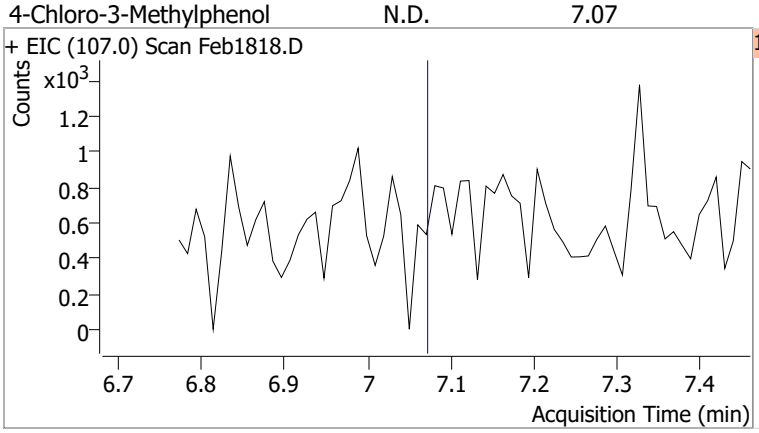


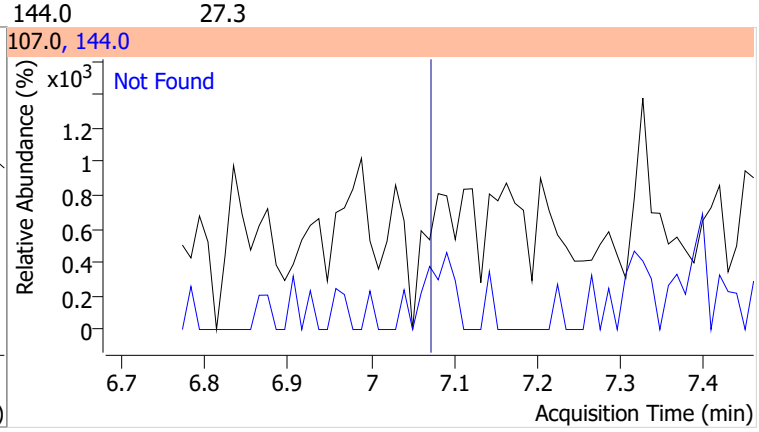
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



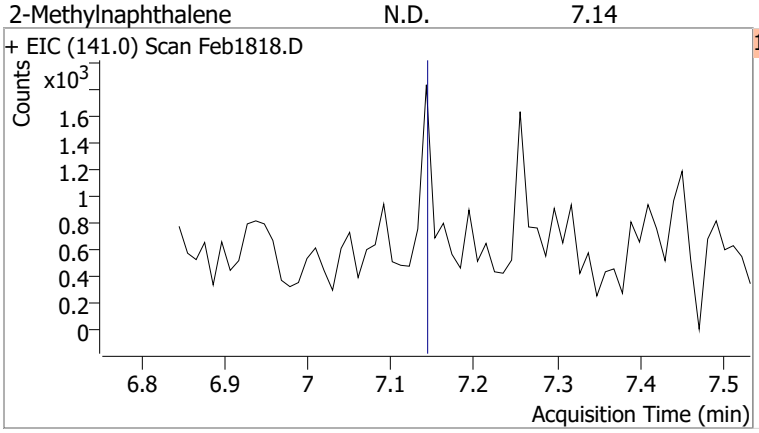


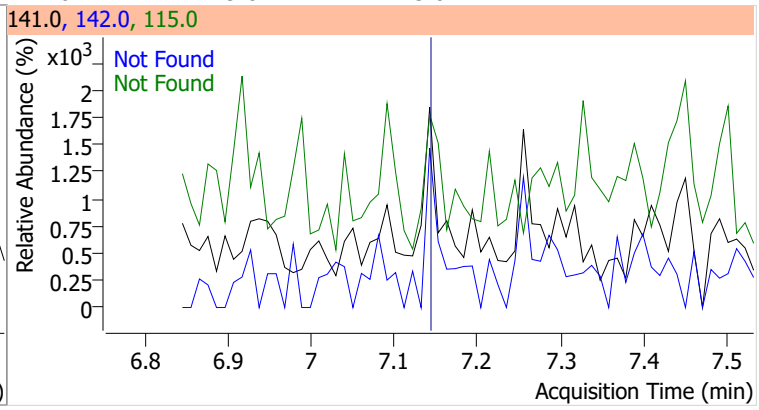
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



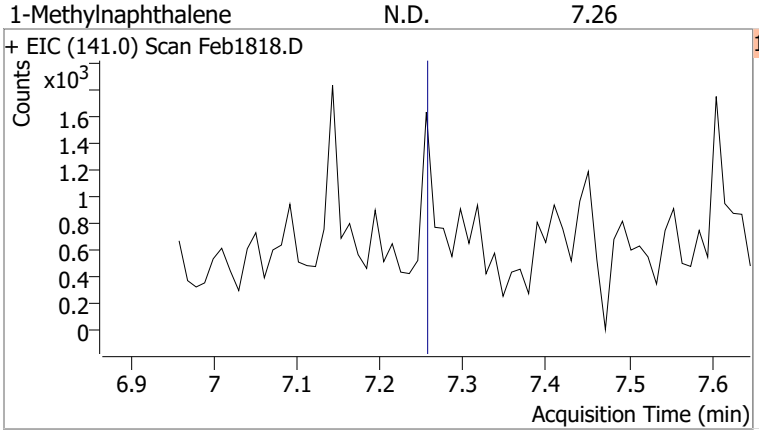


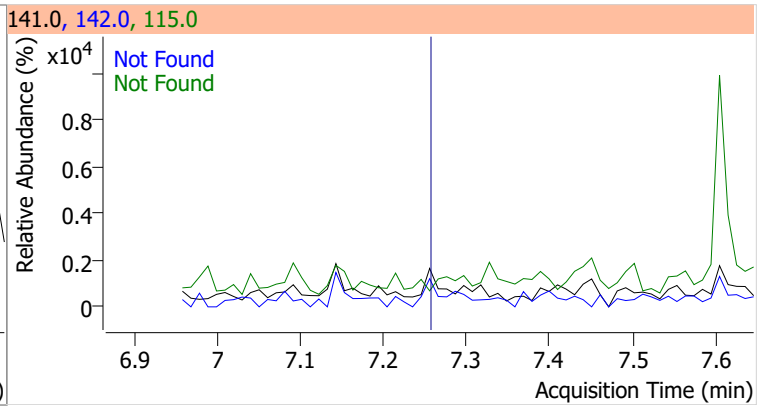
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



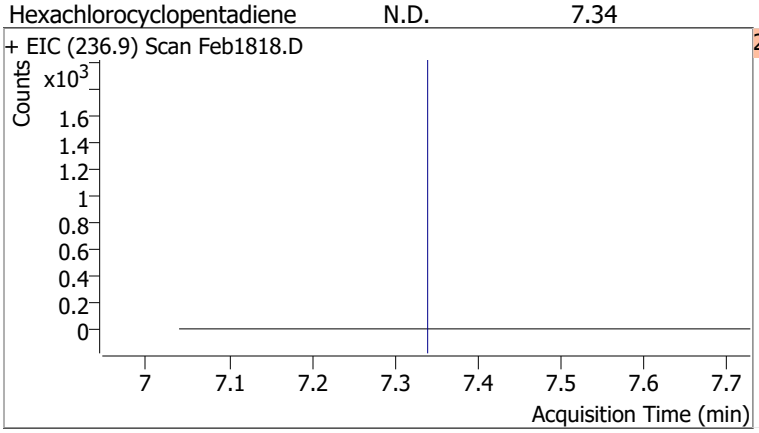


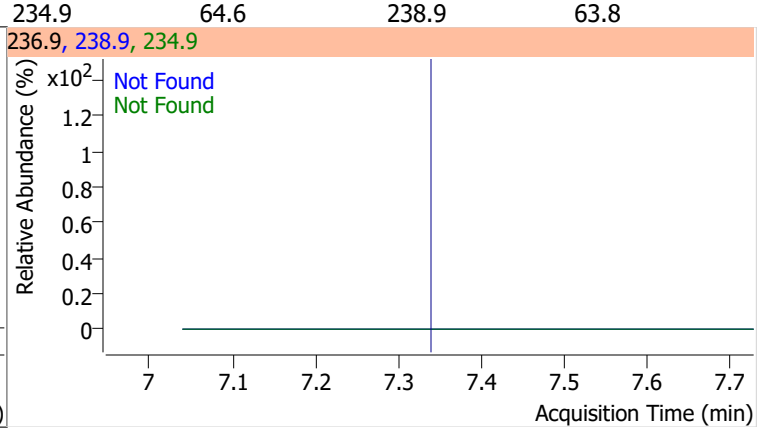
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



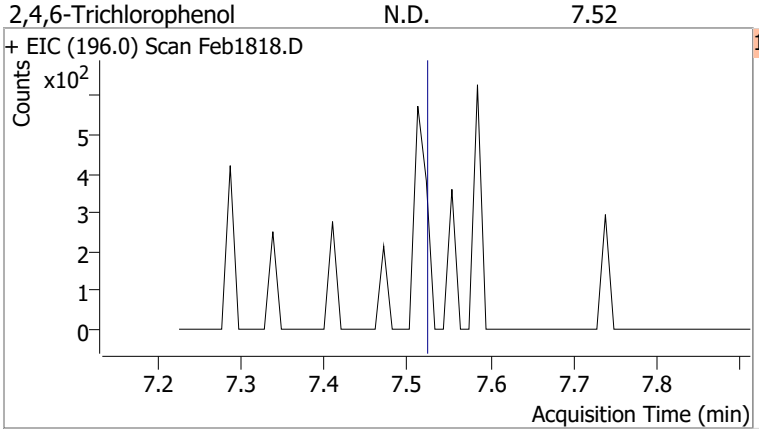


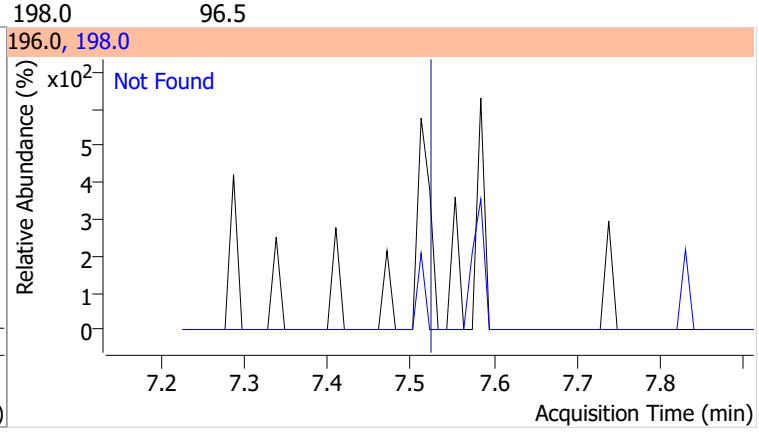
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



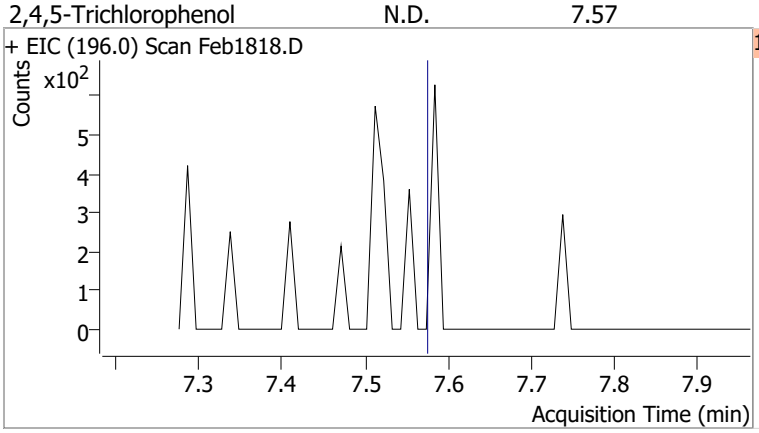


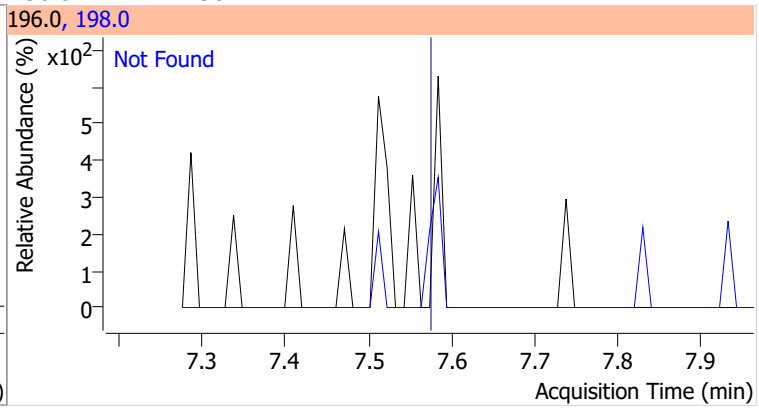
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



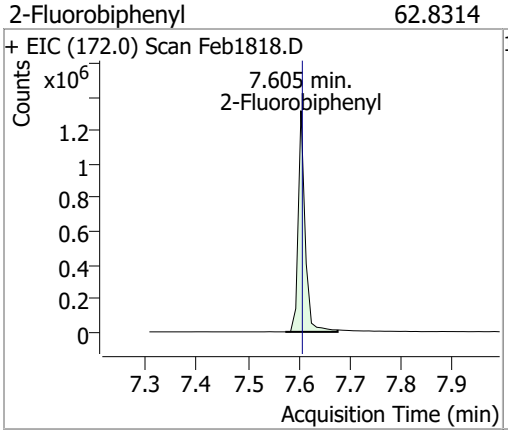


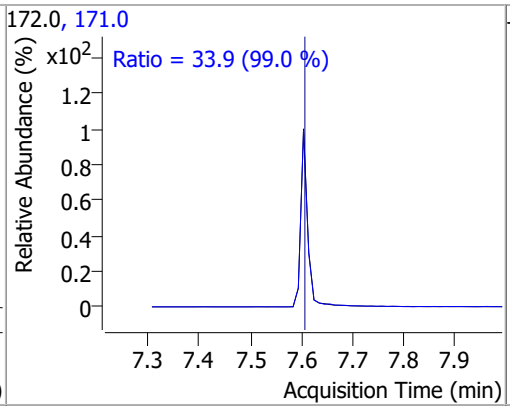
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

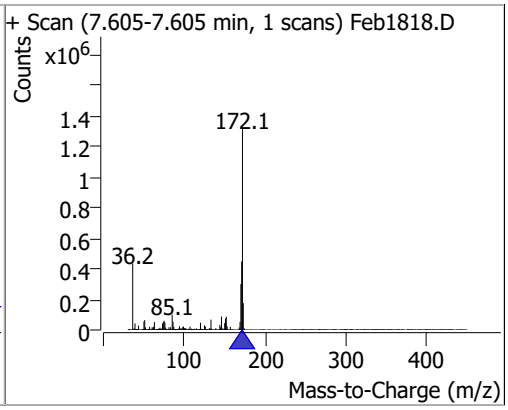




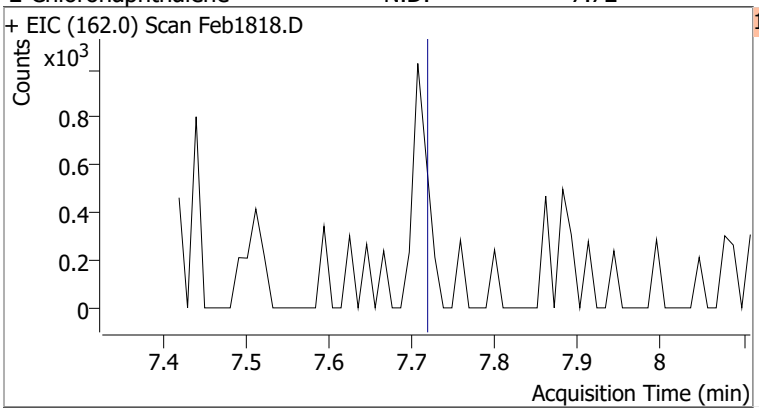
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	62.8314	7.60	0.00	1234757	171.0	33.9	24.0	44.5

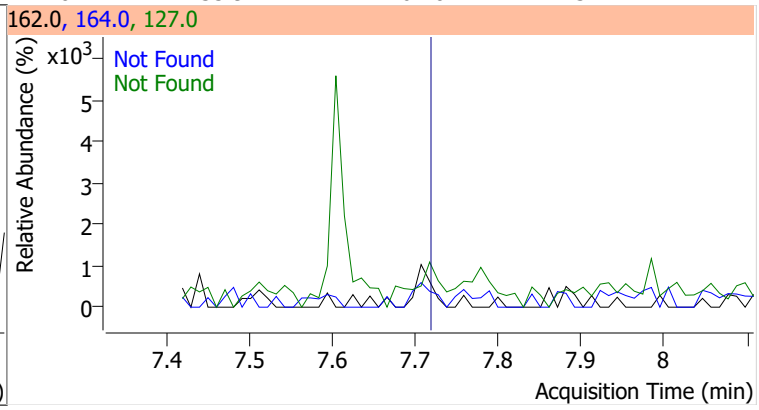




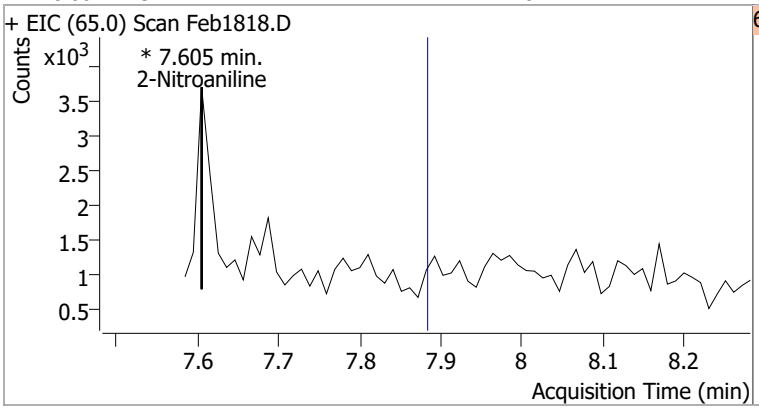


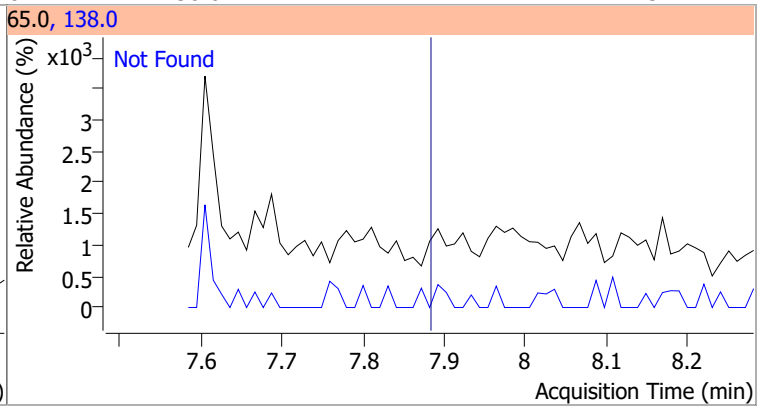
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



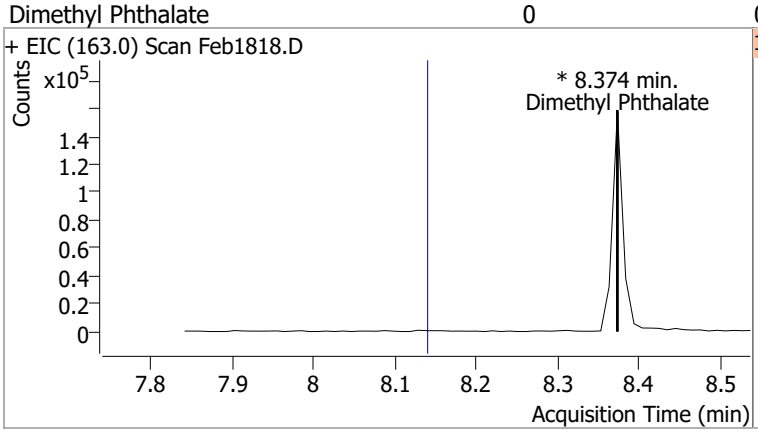


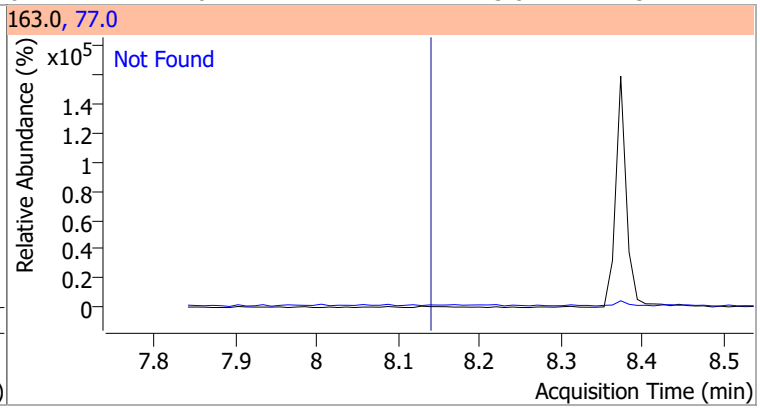
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline		0		0	138.0		77.4	143.7



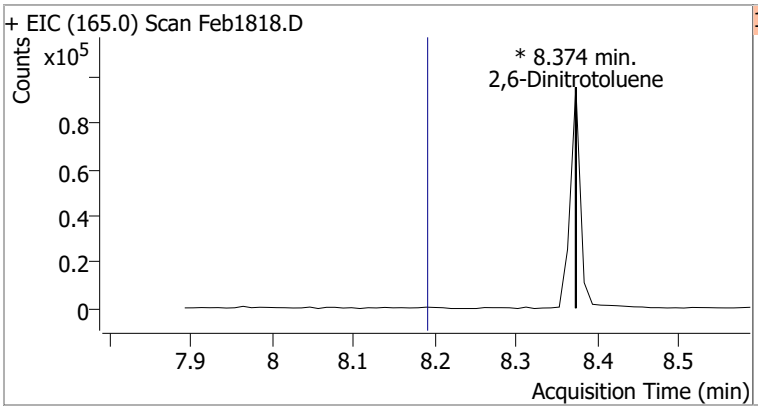


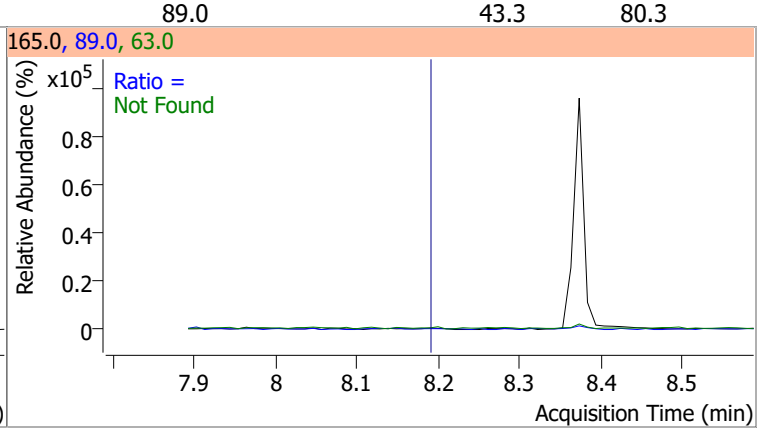
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



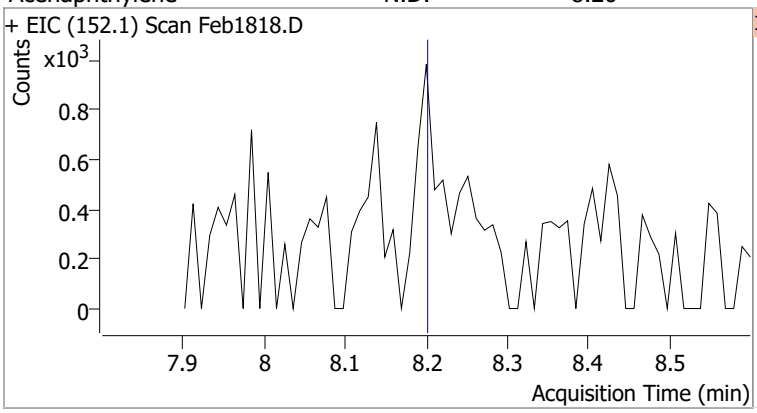


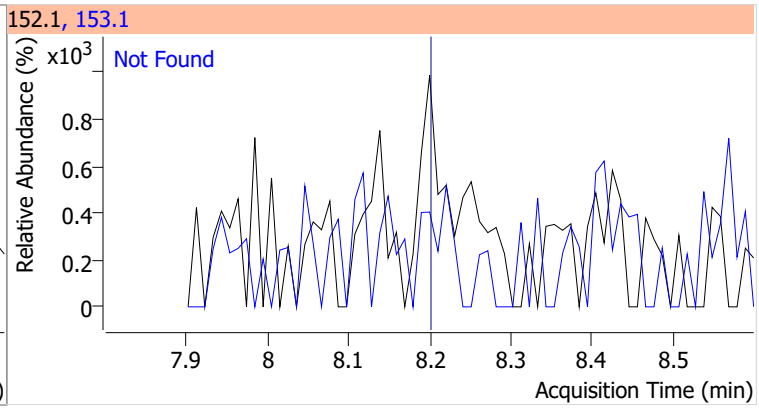
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



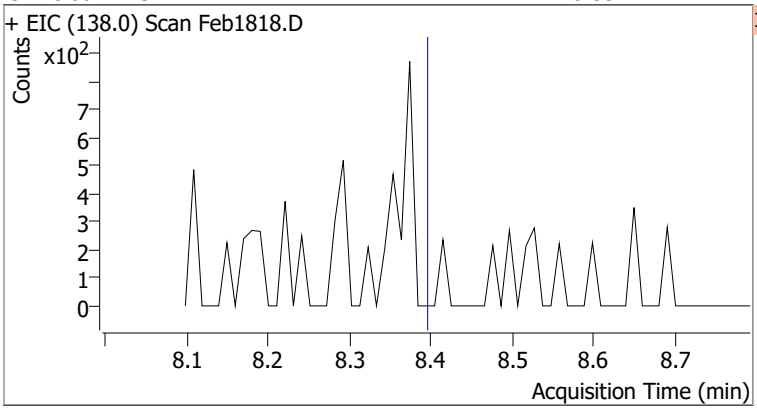


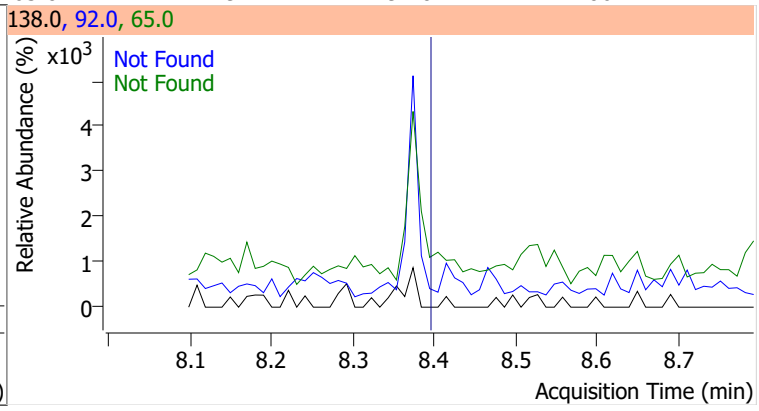
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



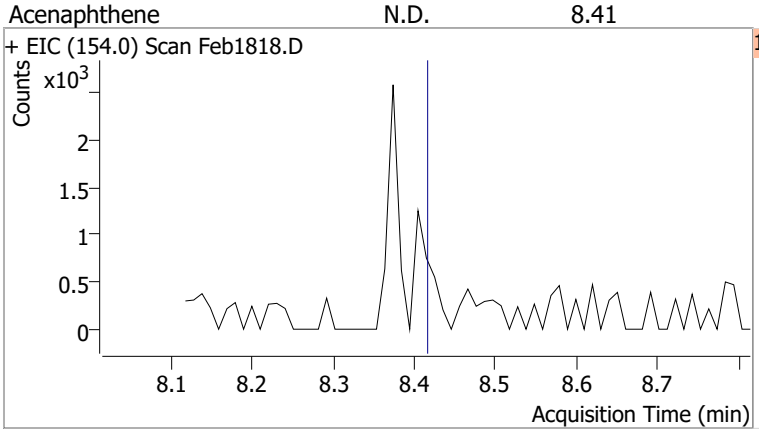


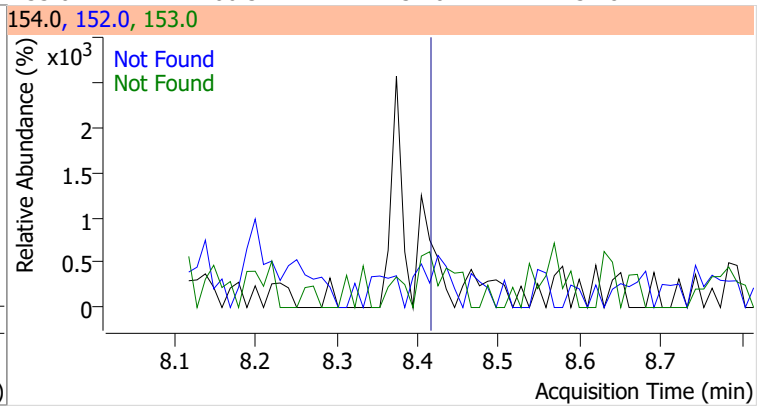
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



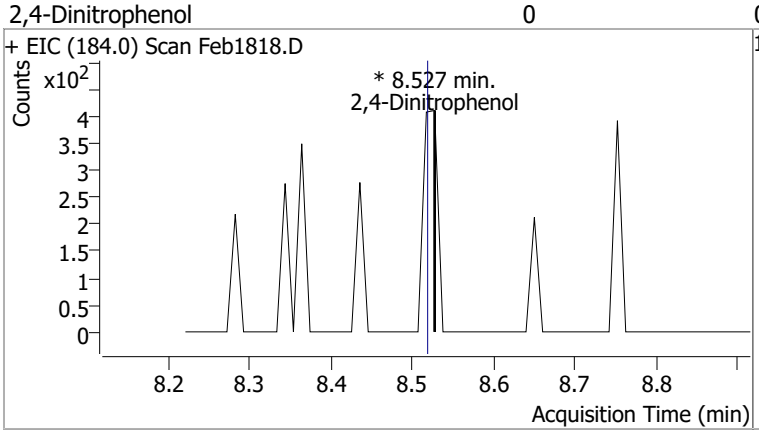


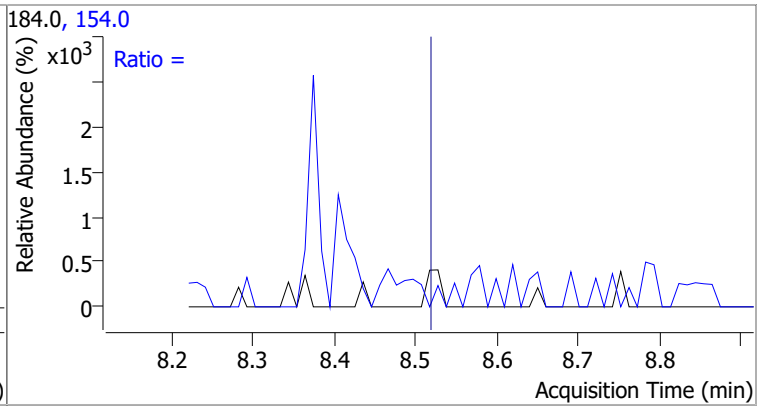
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



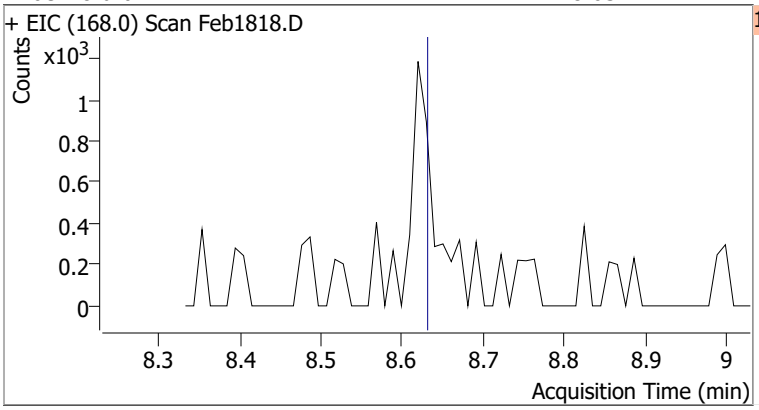


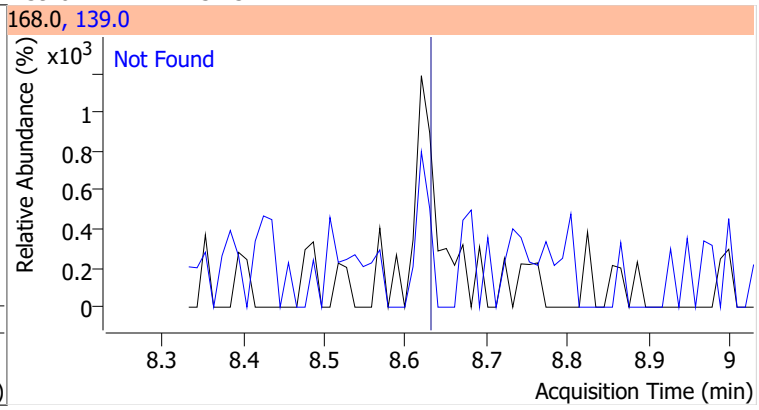
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol		0		0	154.0		43.9	81.5



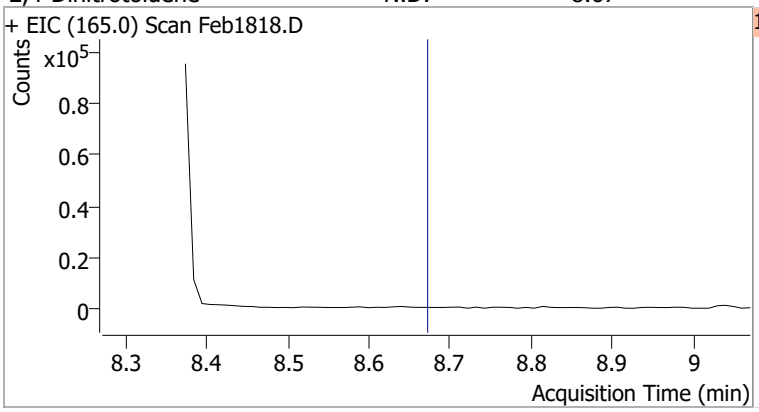


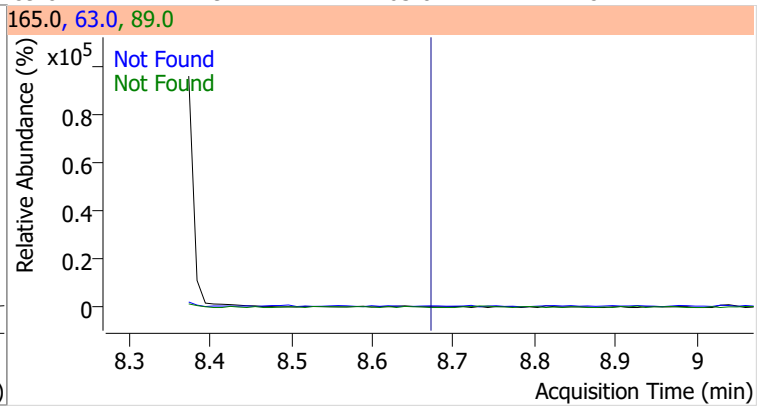
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



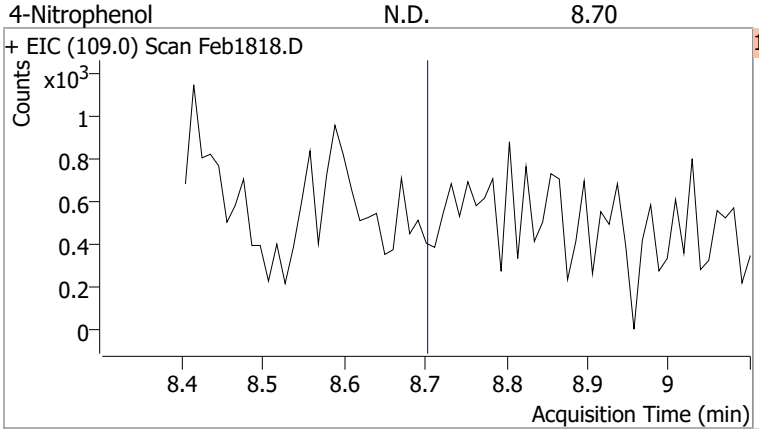


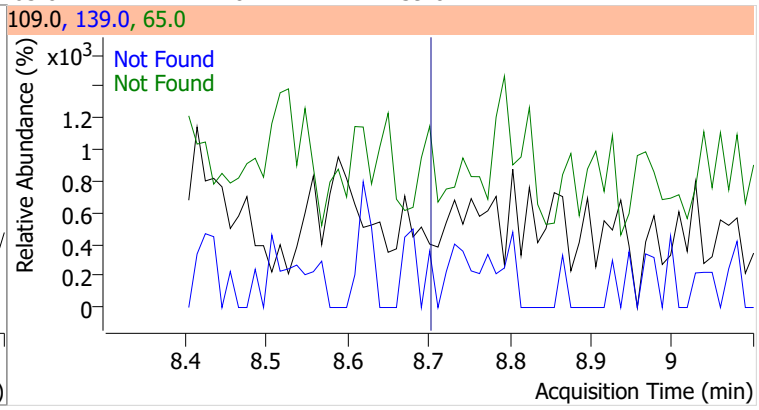
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



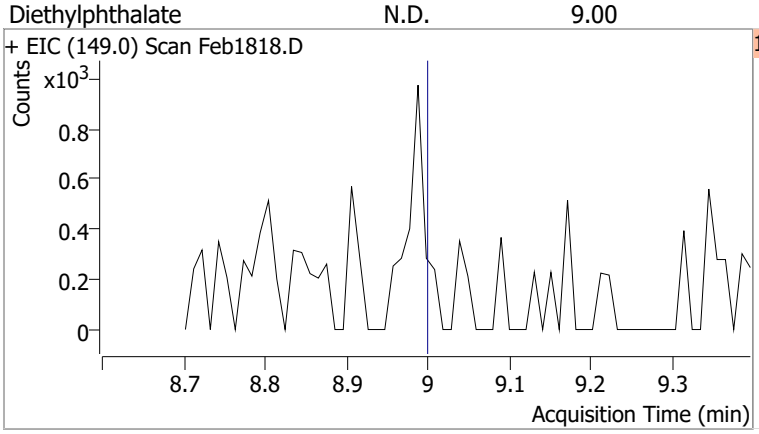


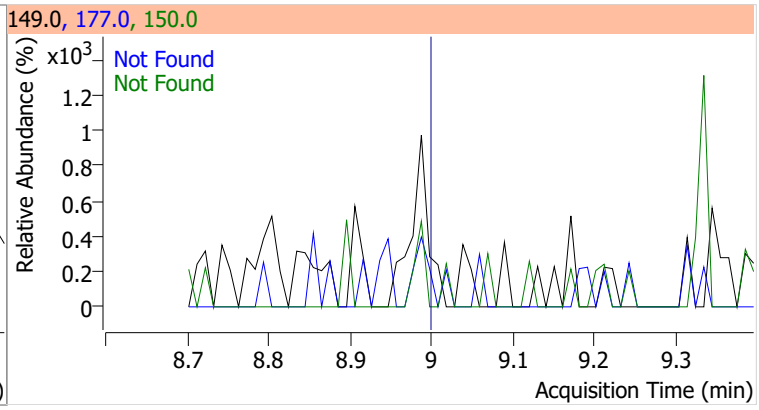
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



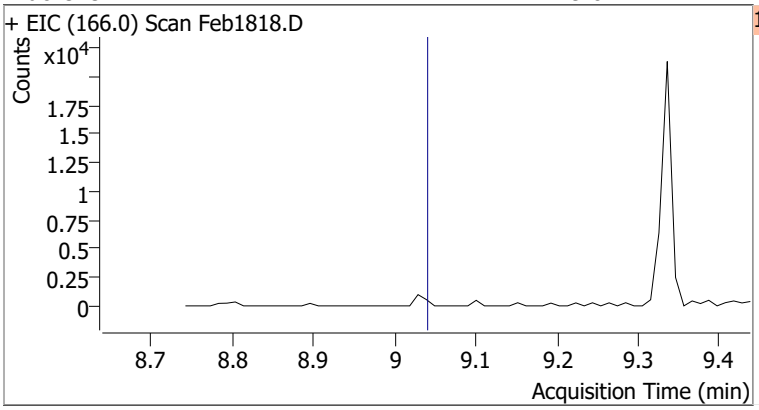


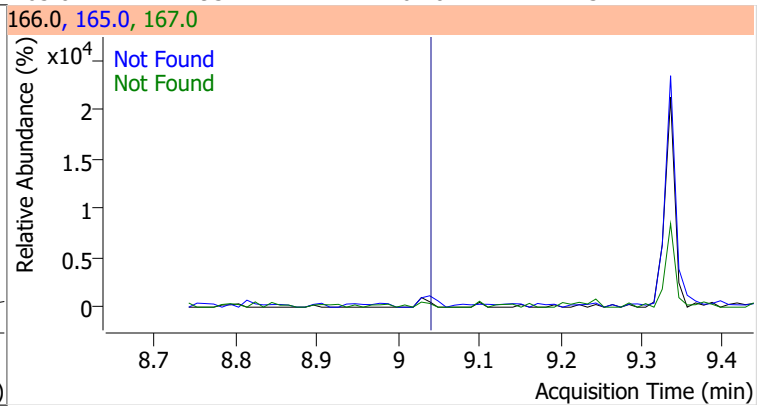
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



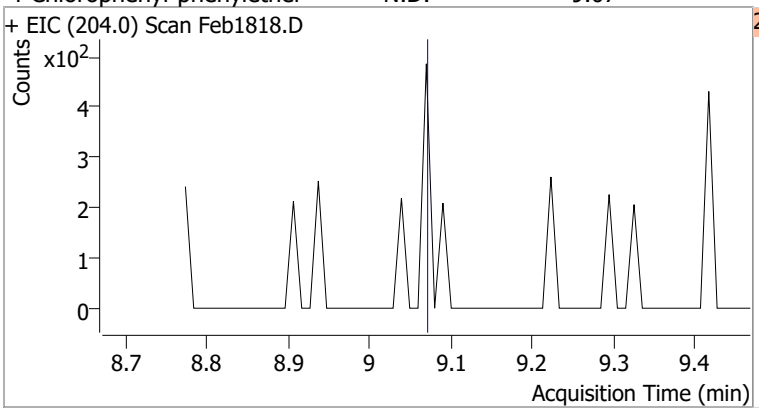


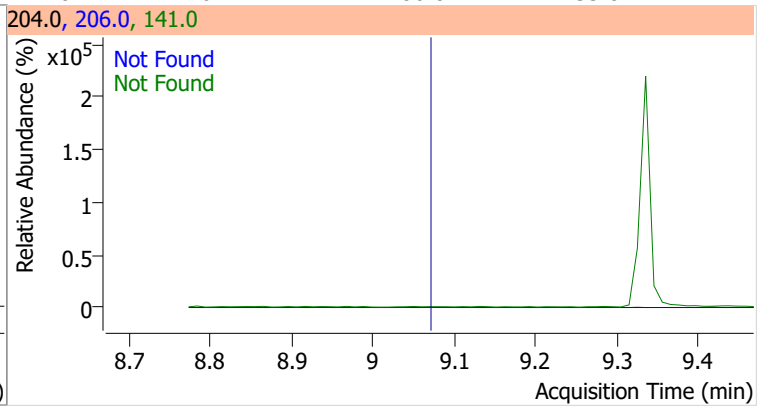
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



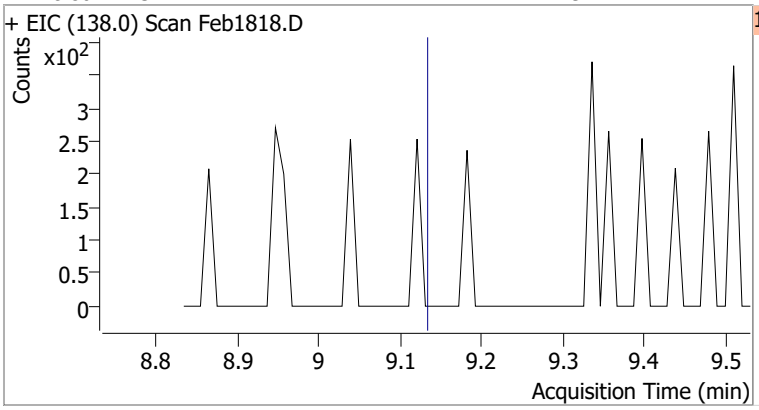


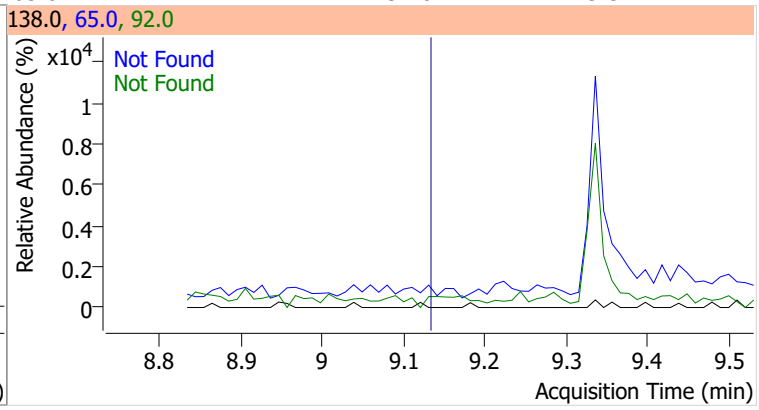
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



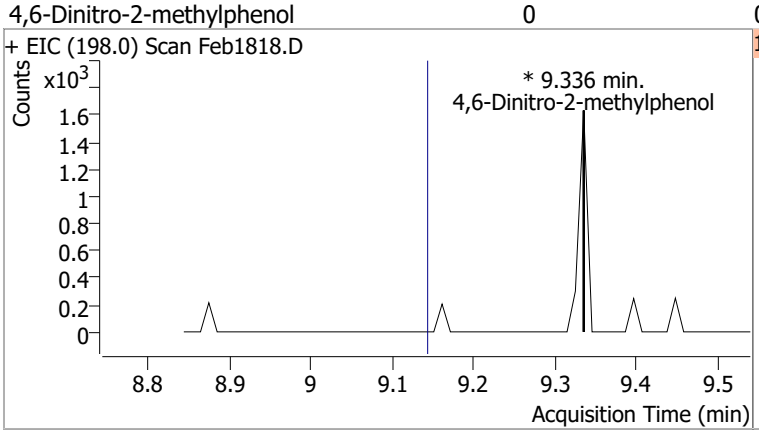


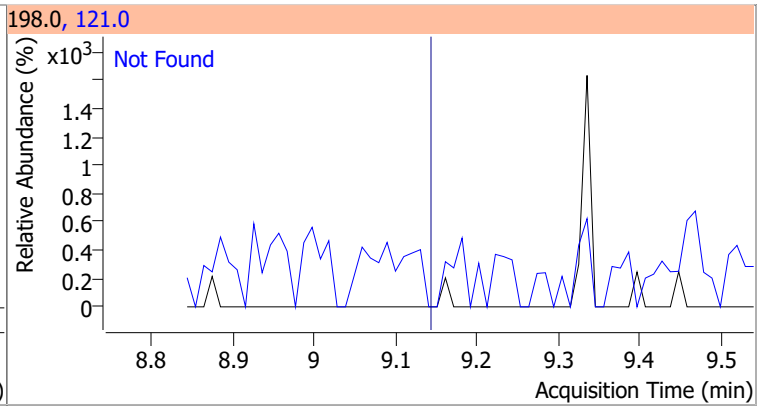
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



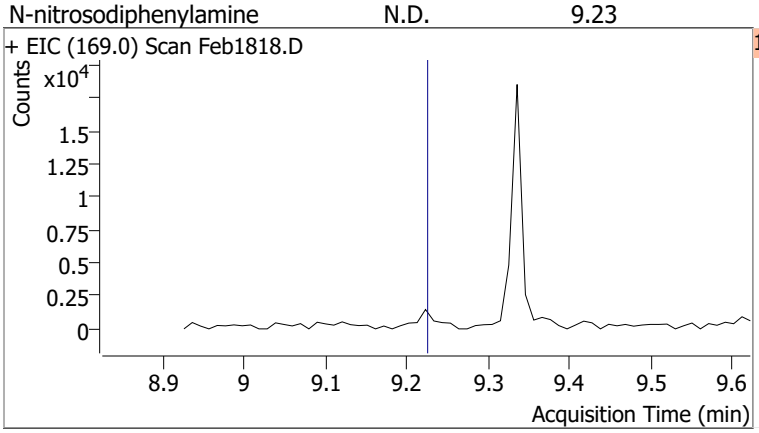


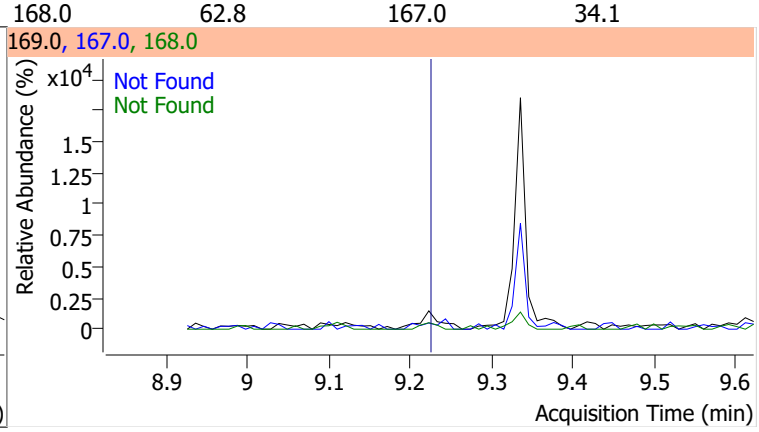
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



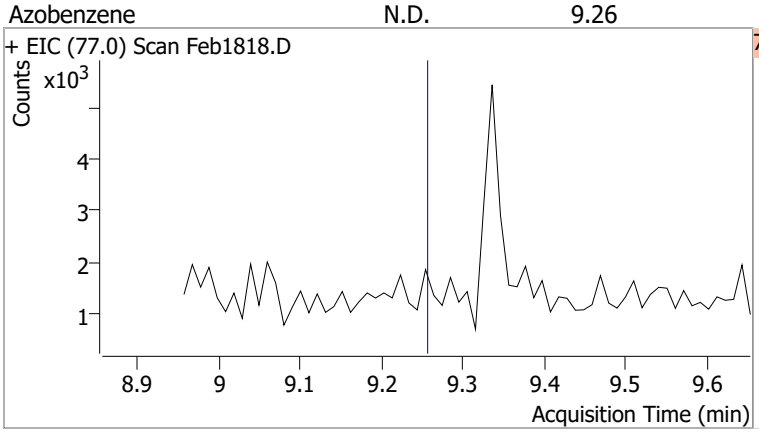


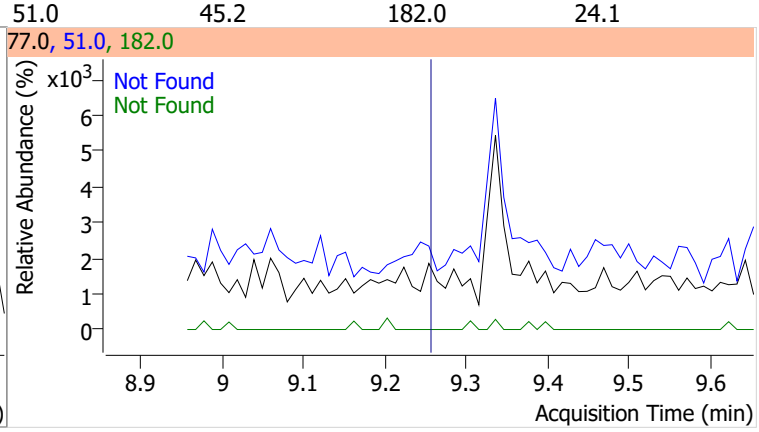
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



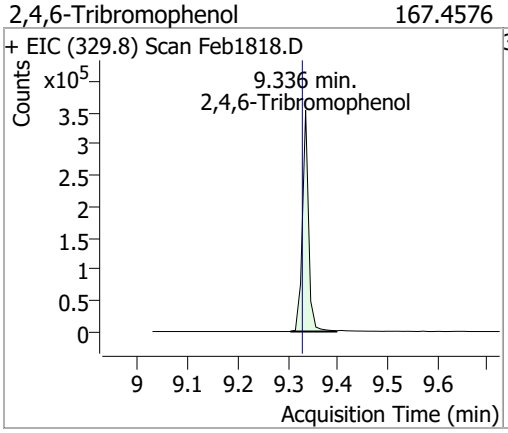


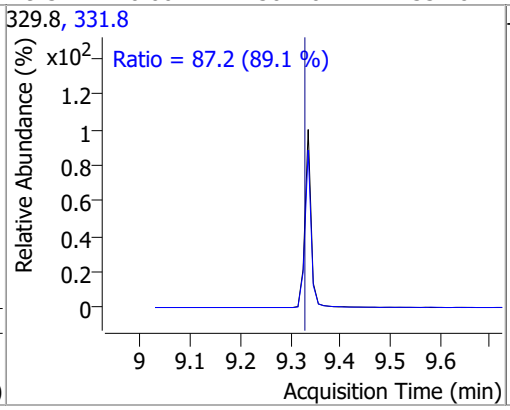
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

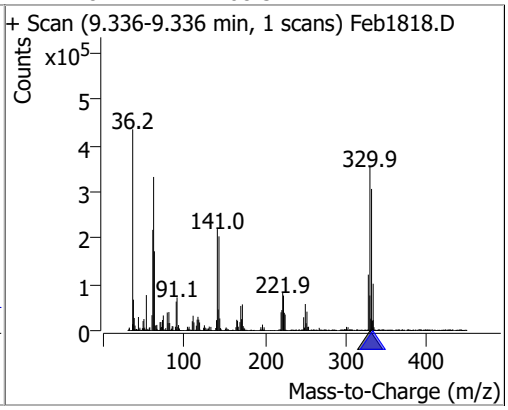




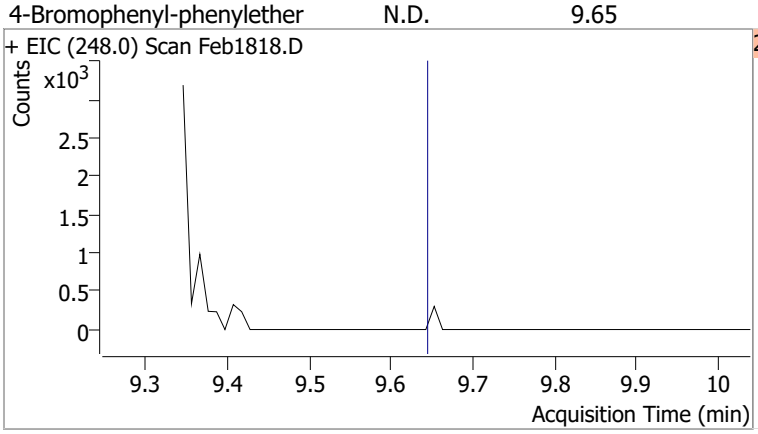
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	167.4576	9.34	0.00	304704	331.8	87.2	68.5	127.2

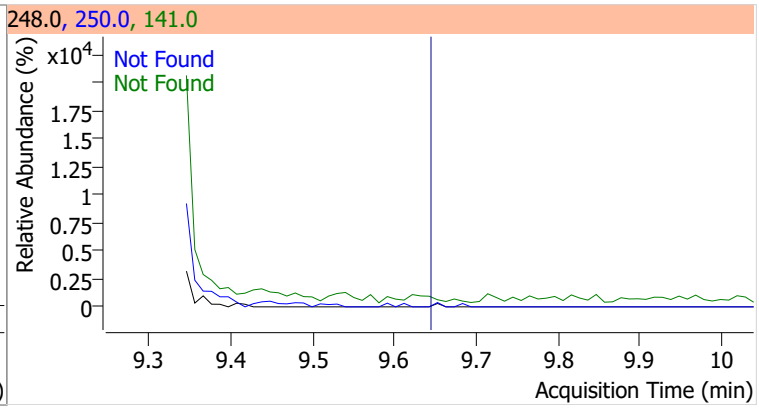




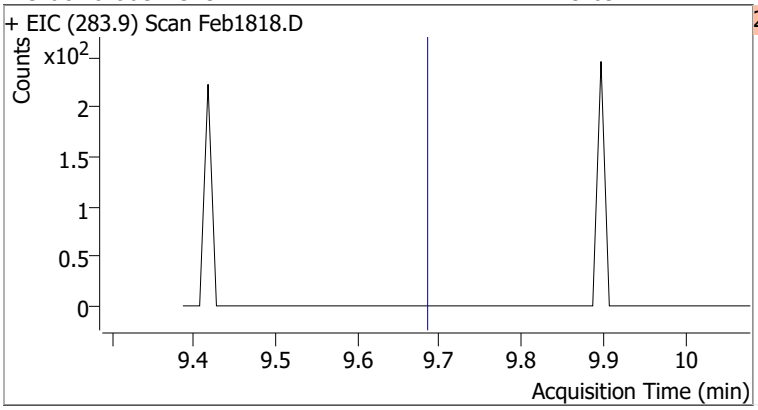


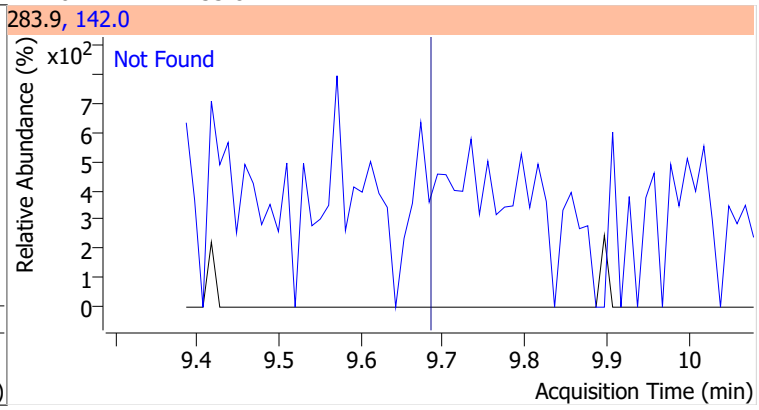
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



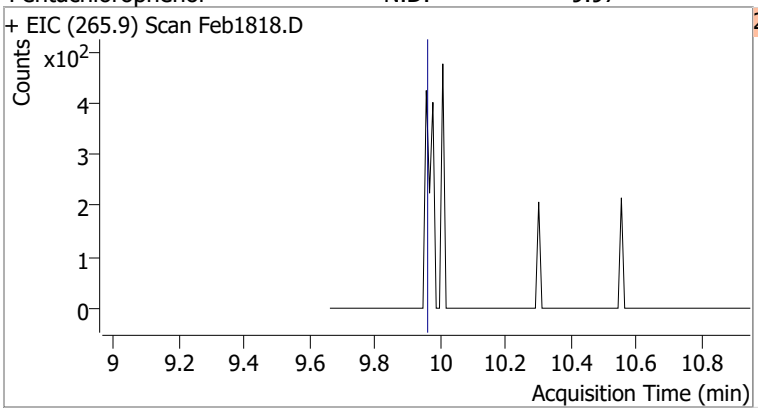


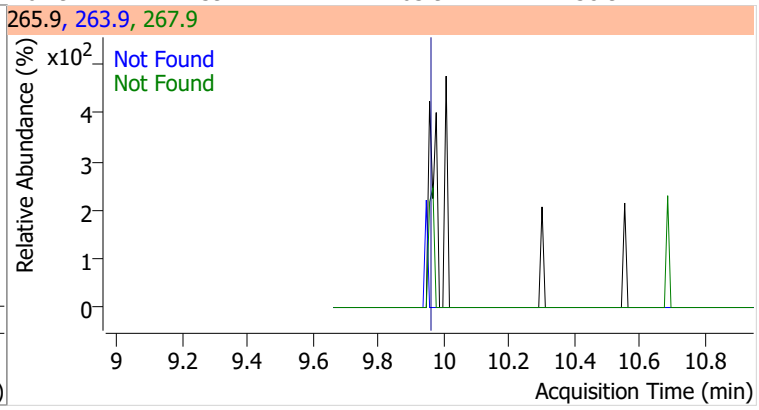
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



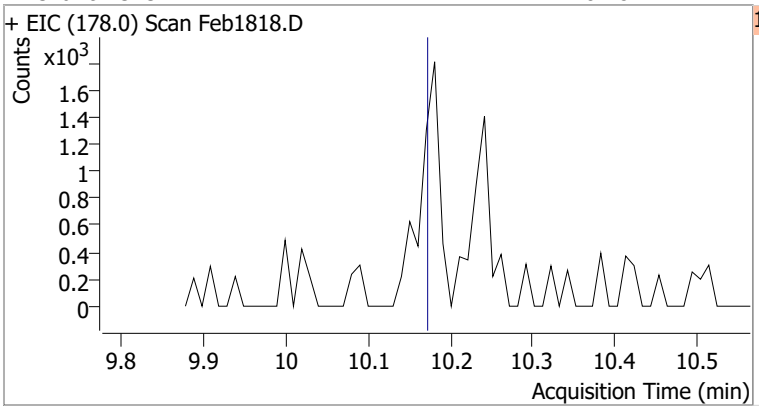


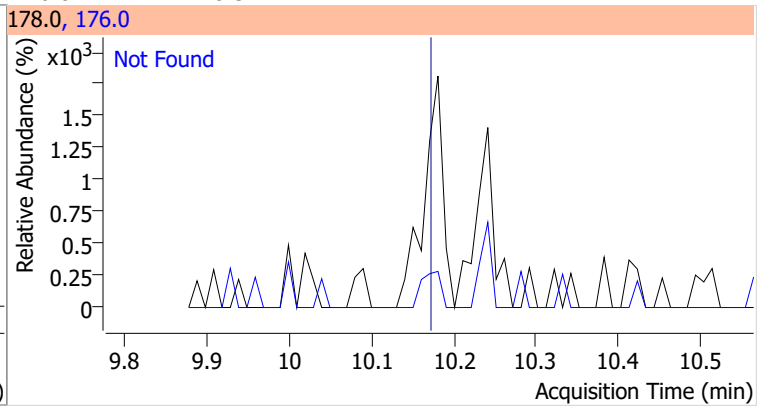
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



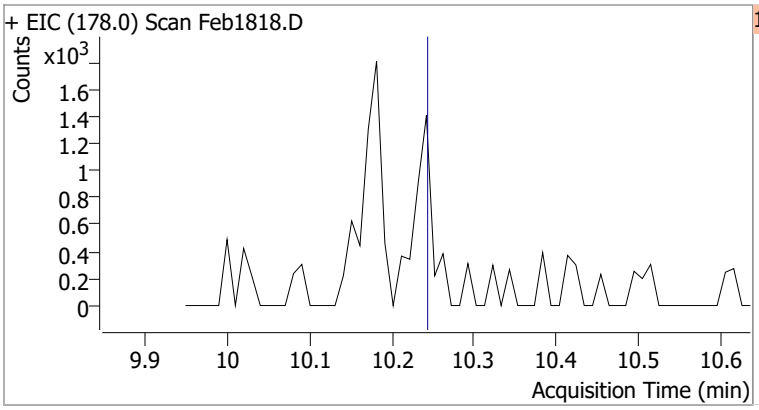


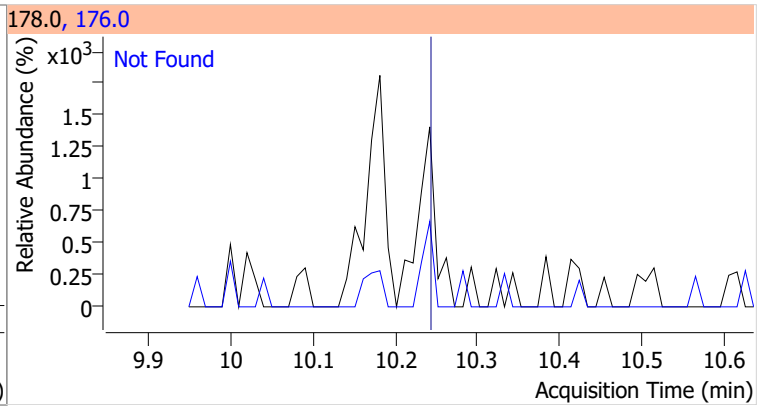
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



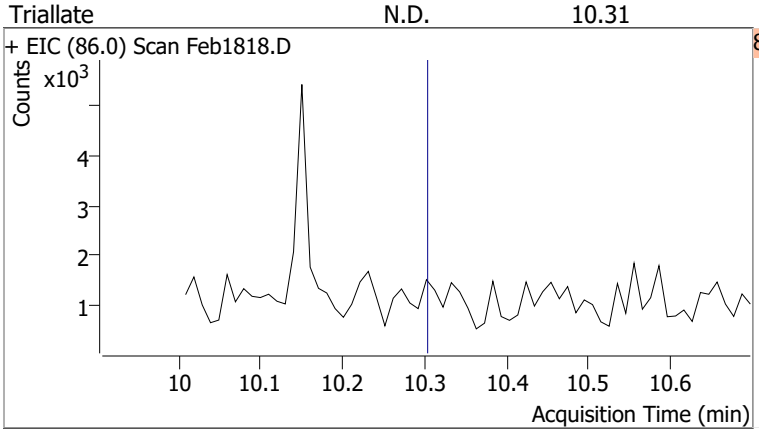


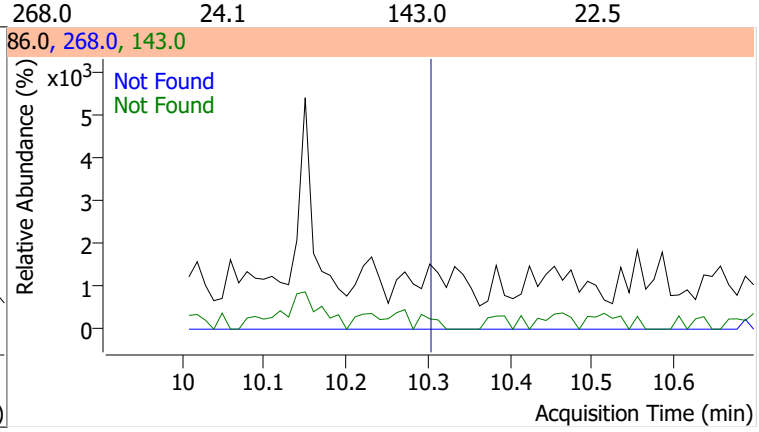
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



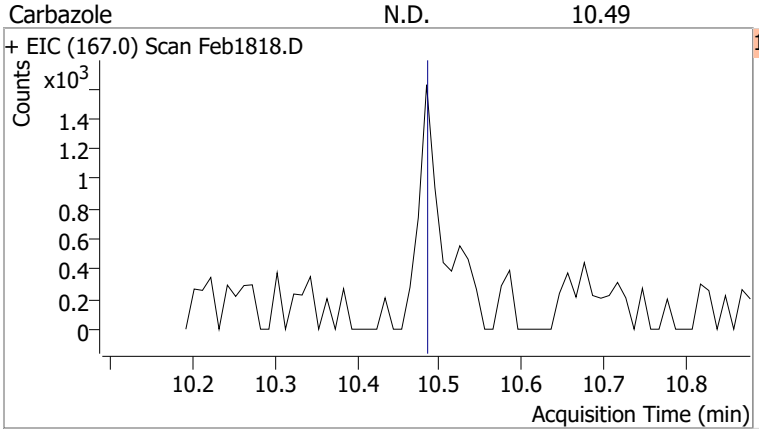


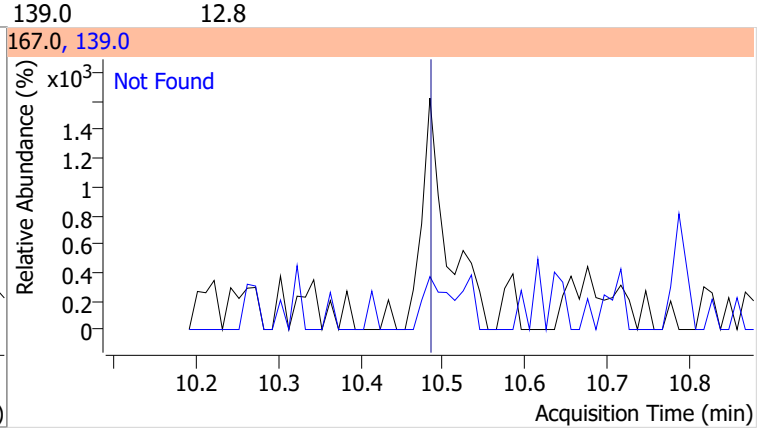
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



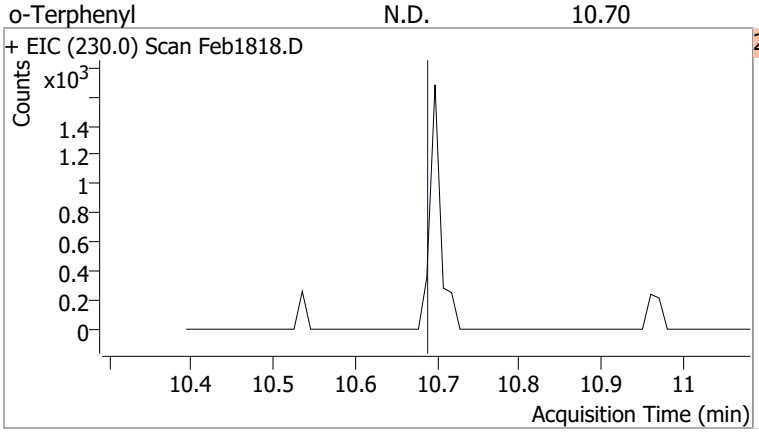


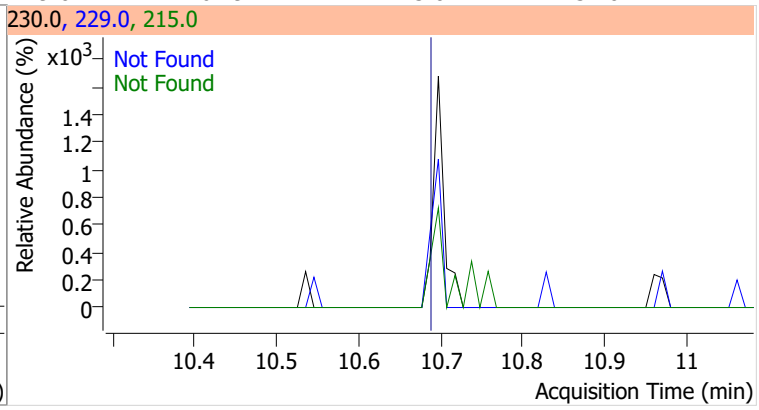
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



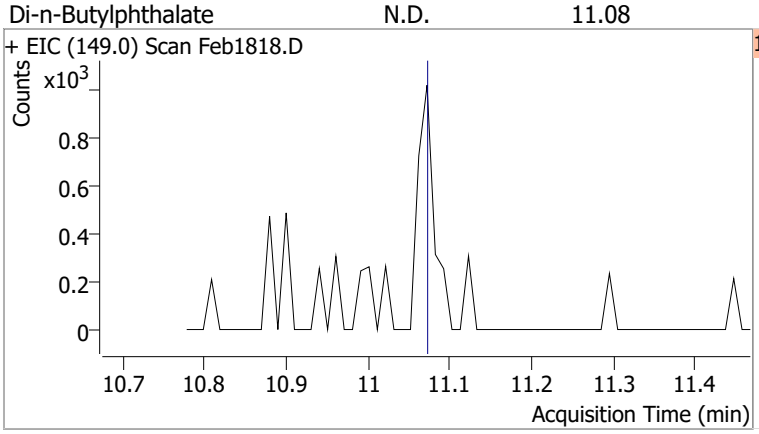


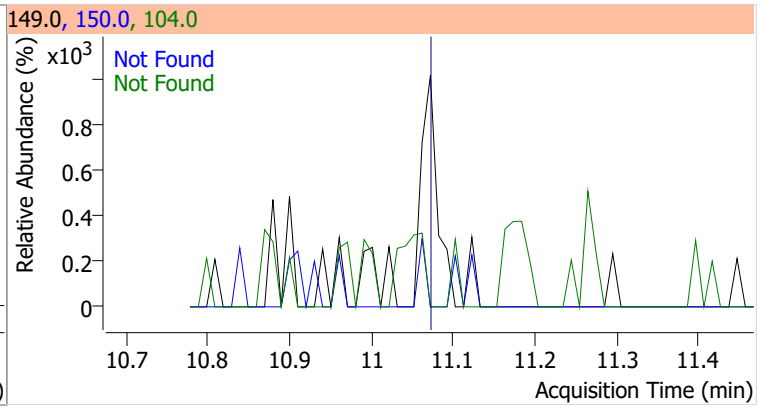
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



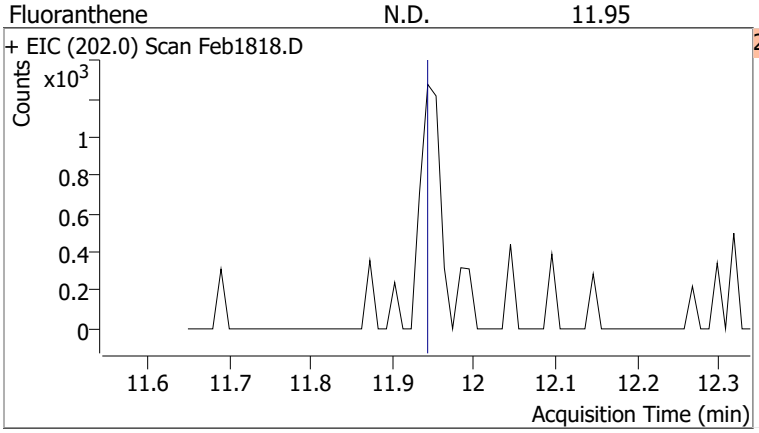


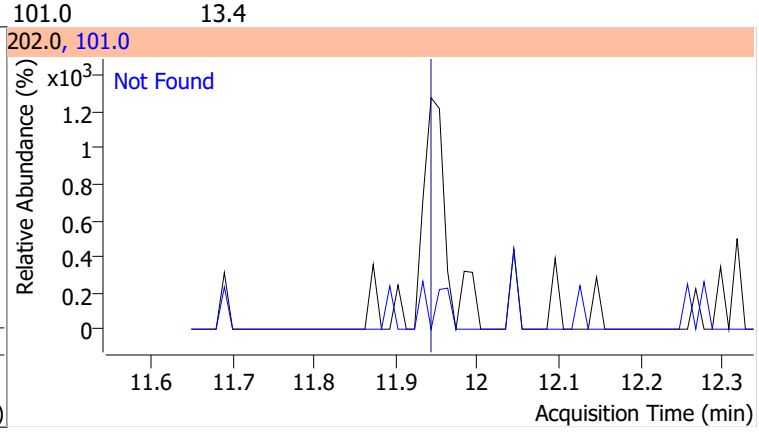
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



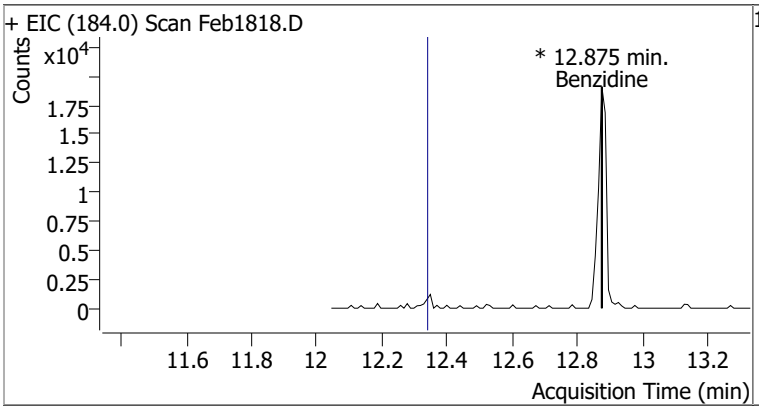


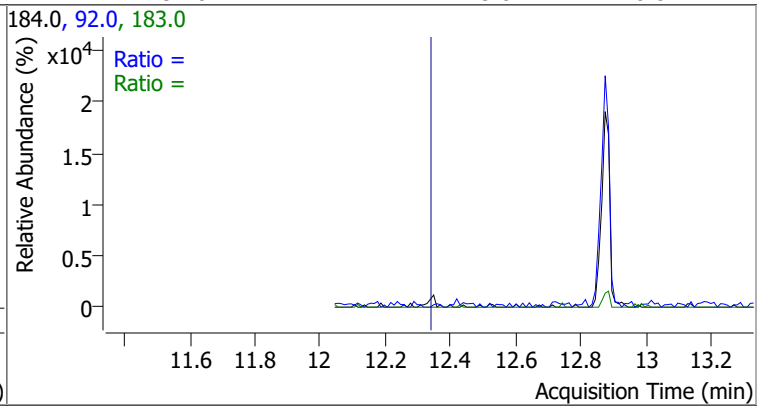
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



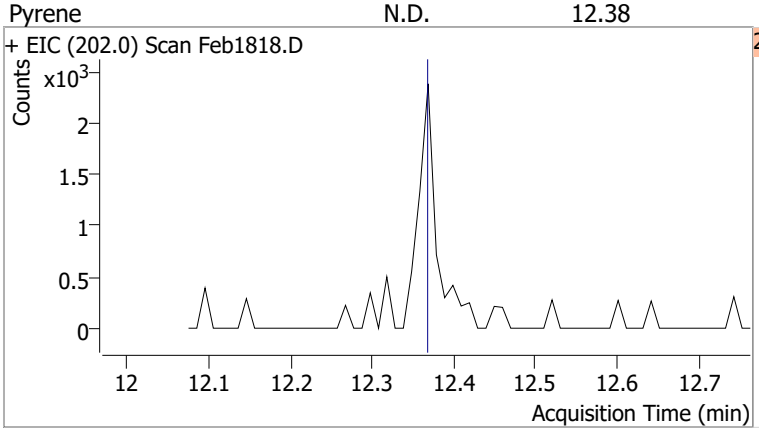


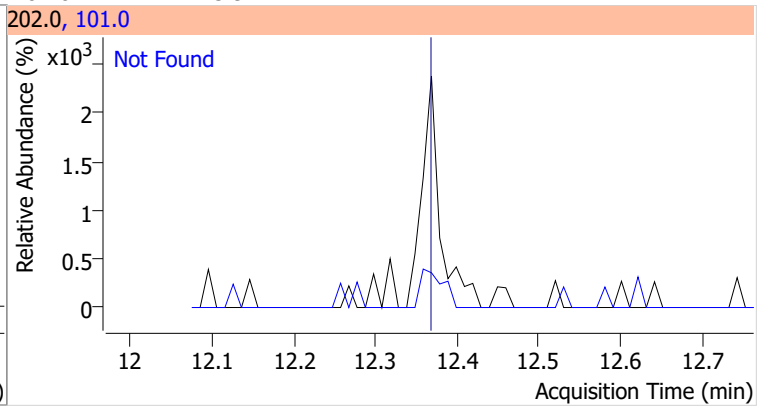
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



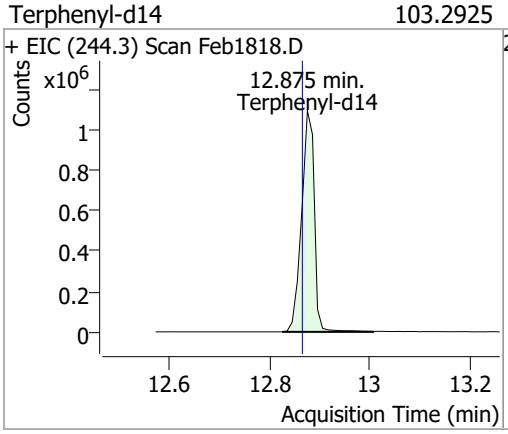


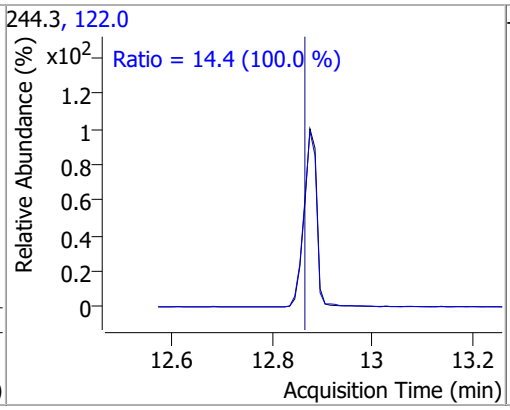
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

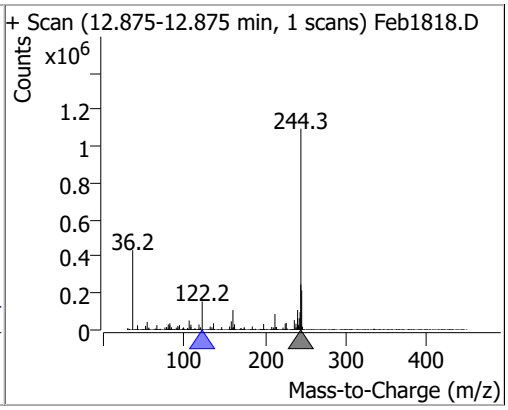




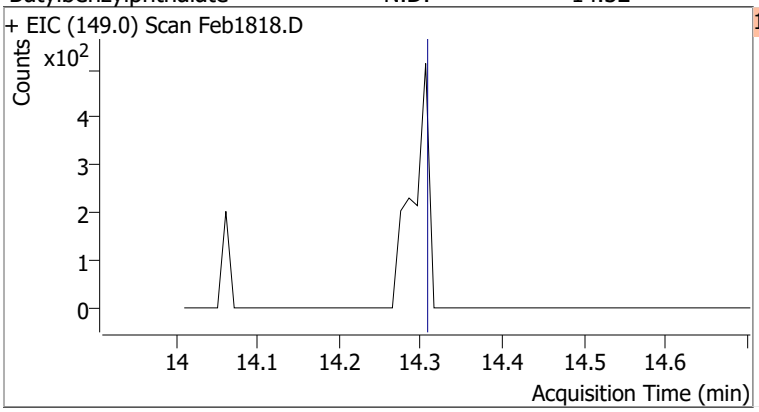
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	103.2925	12.88	0.00	1945113	122.0	14.4	10.1	18.7

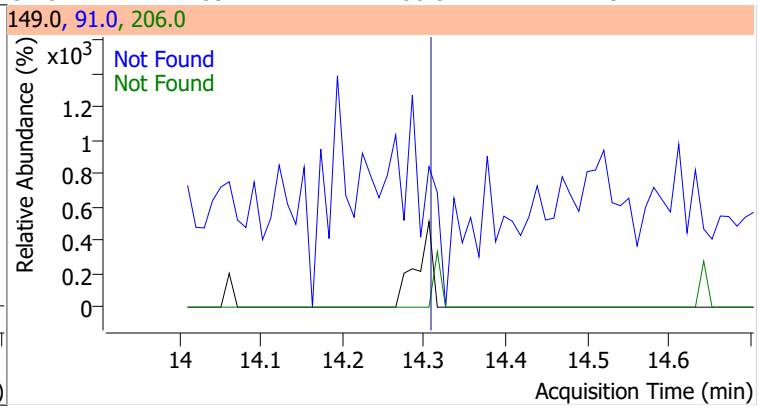




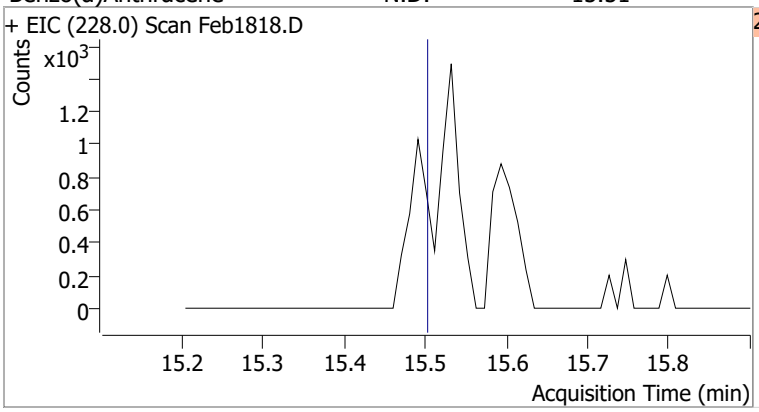


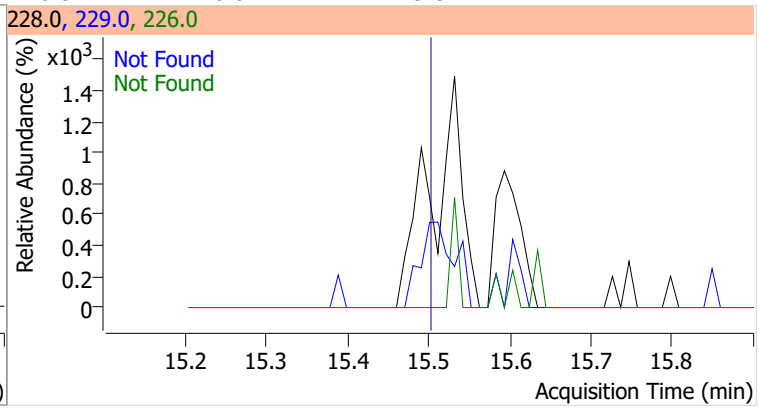
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



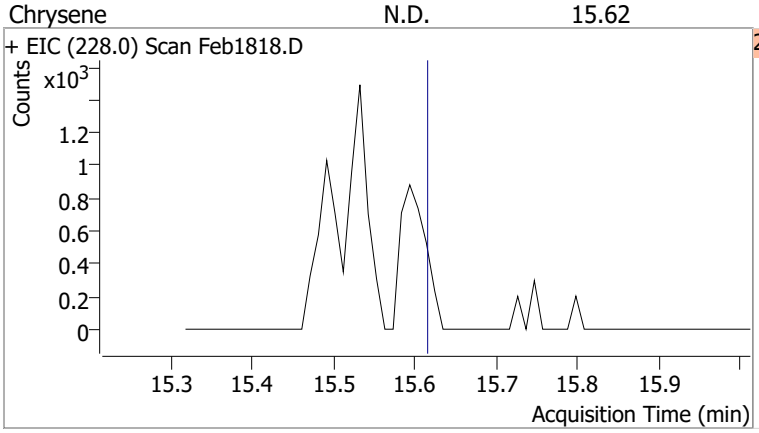


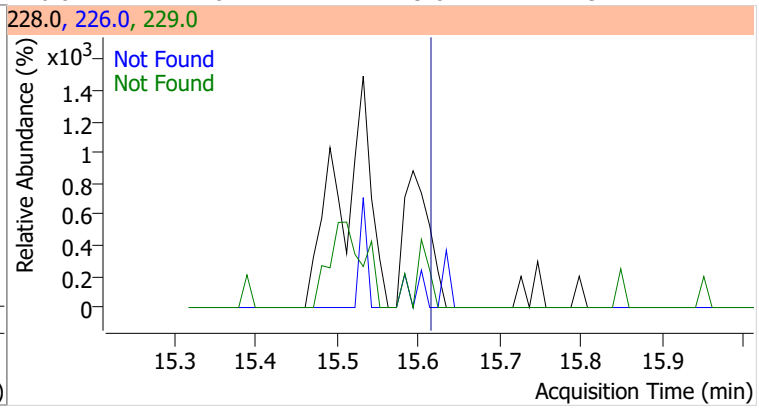
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



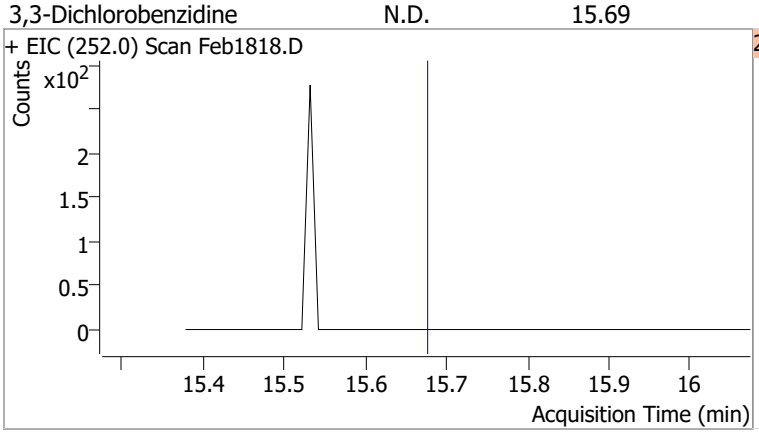


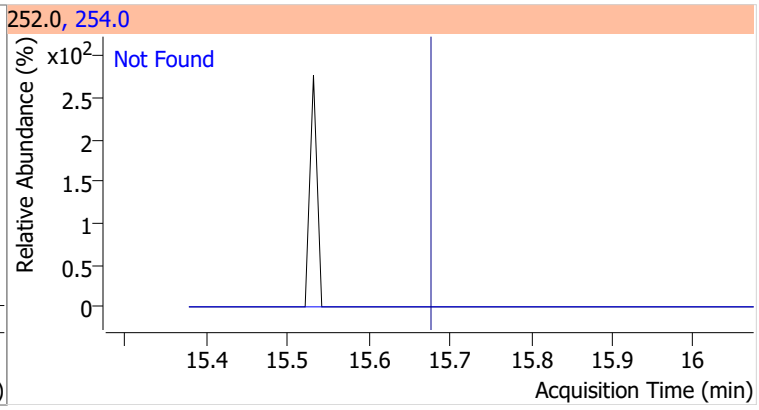
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



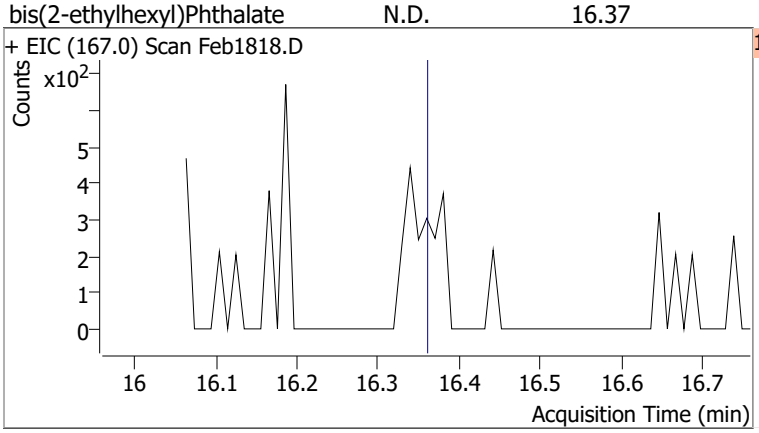


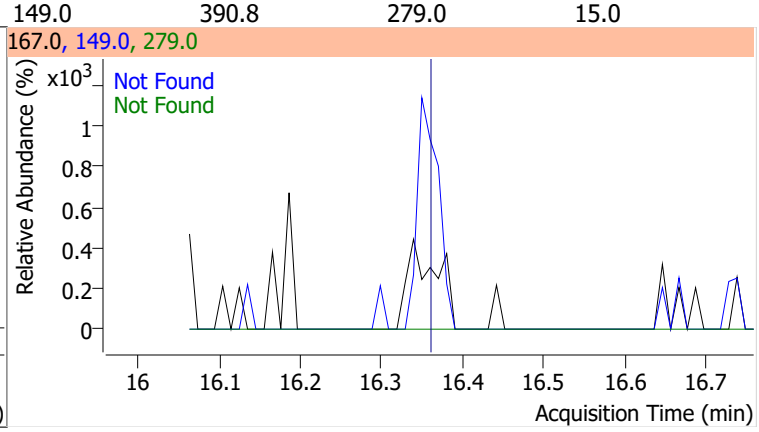
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



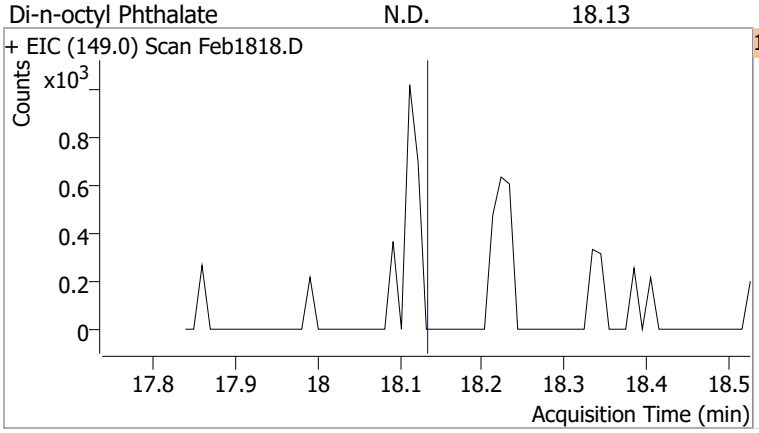


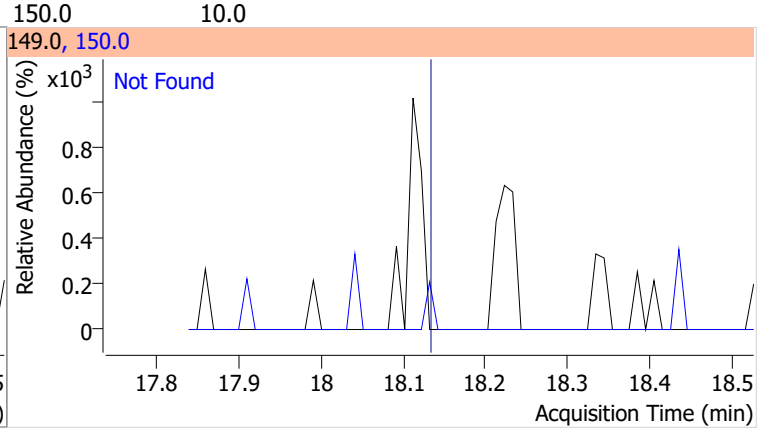
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



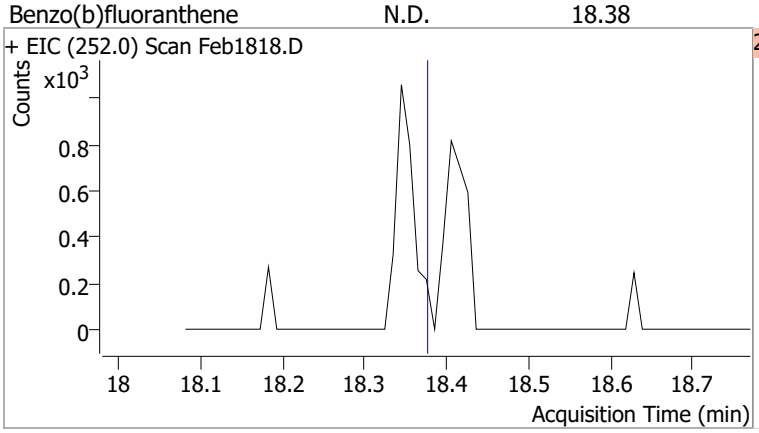


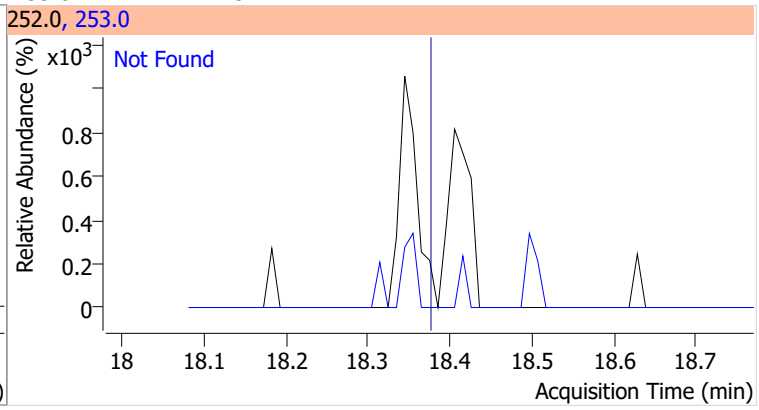
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



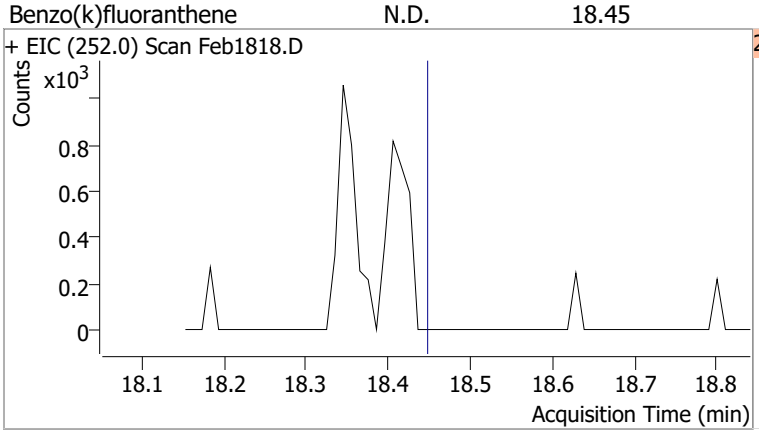


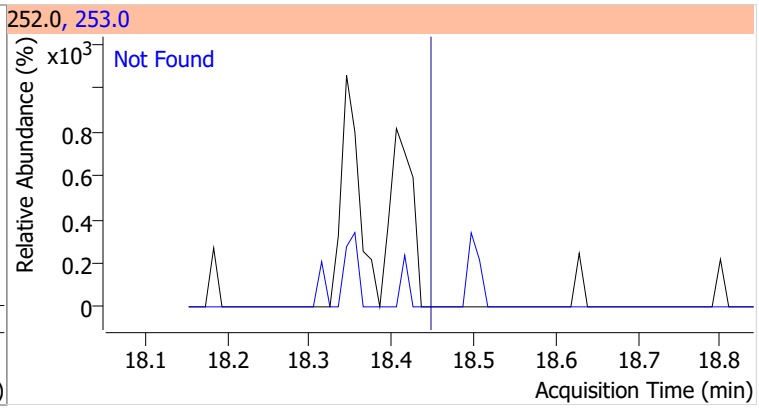
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



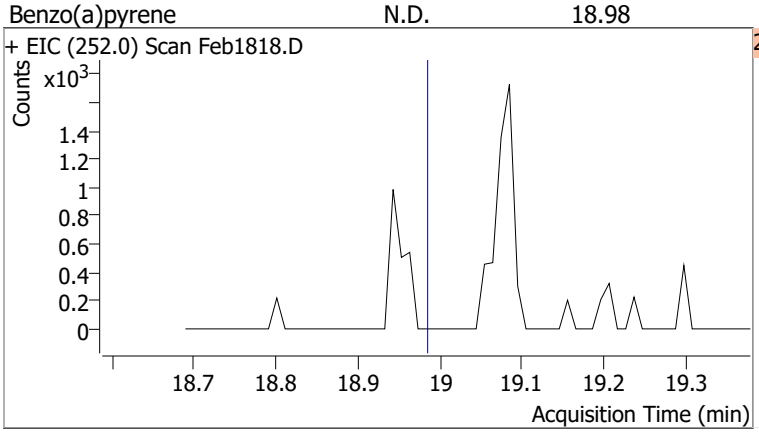


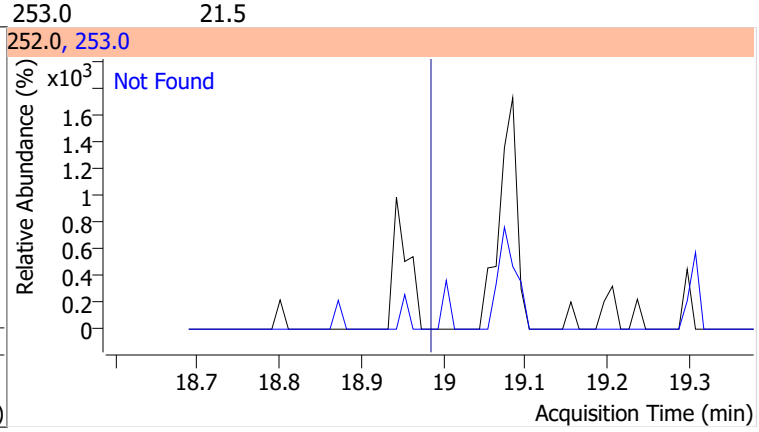
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



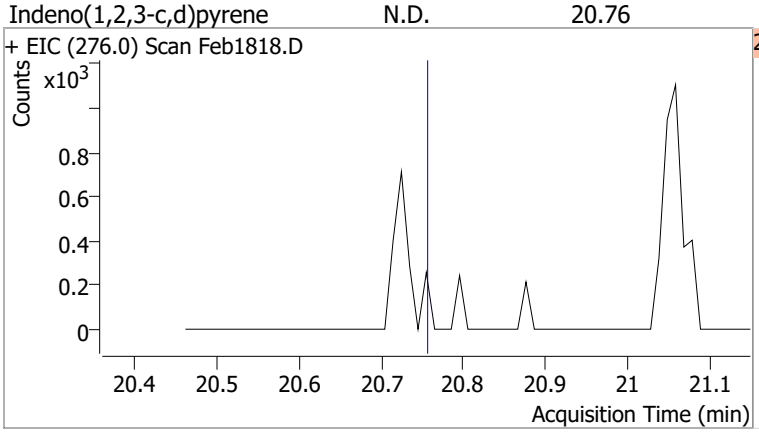


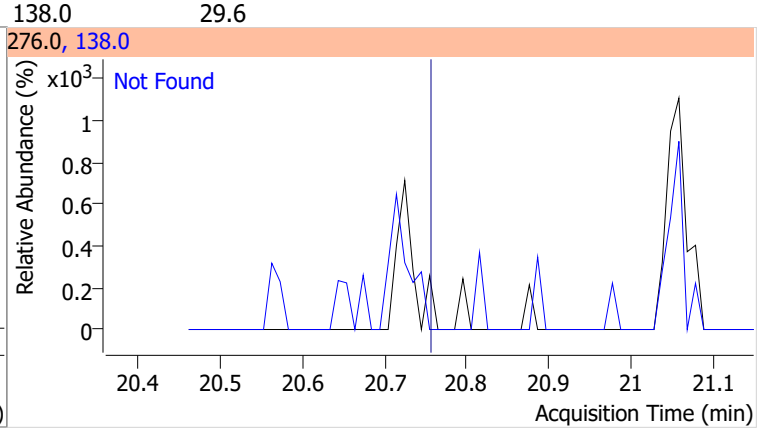
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



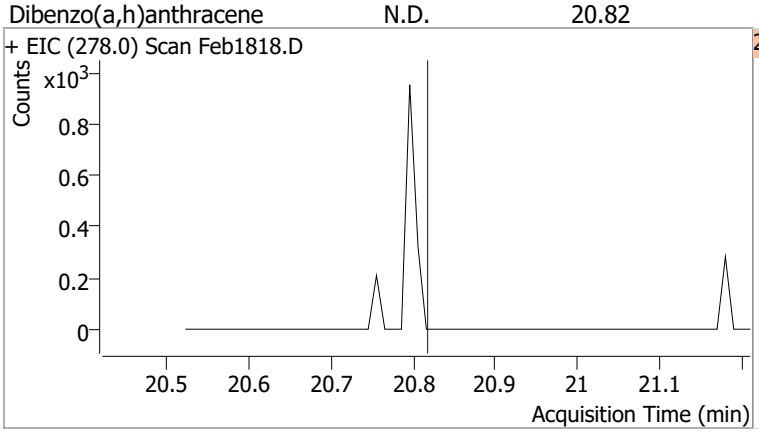


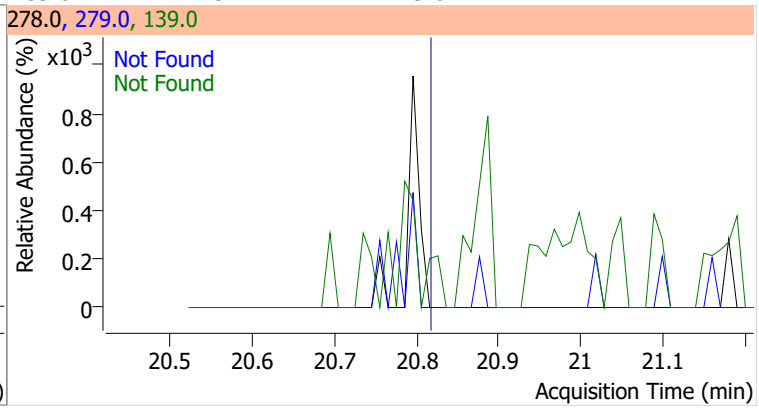
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



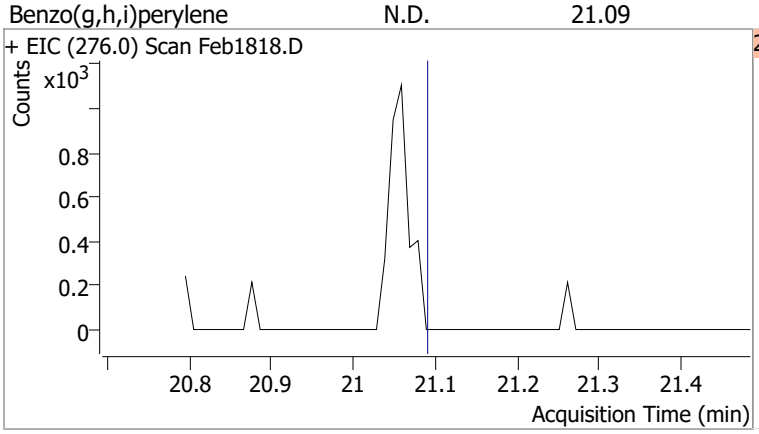


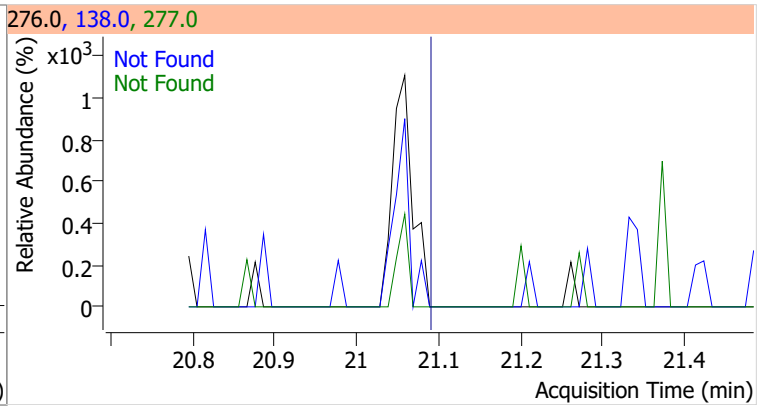
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





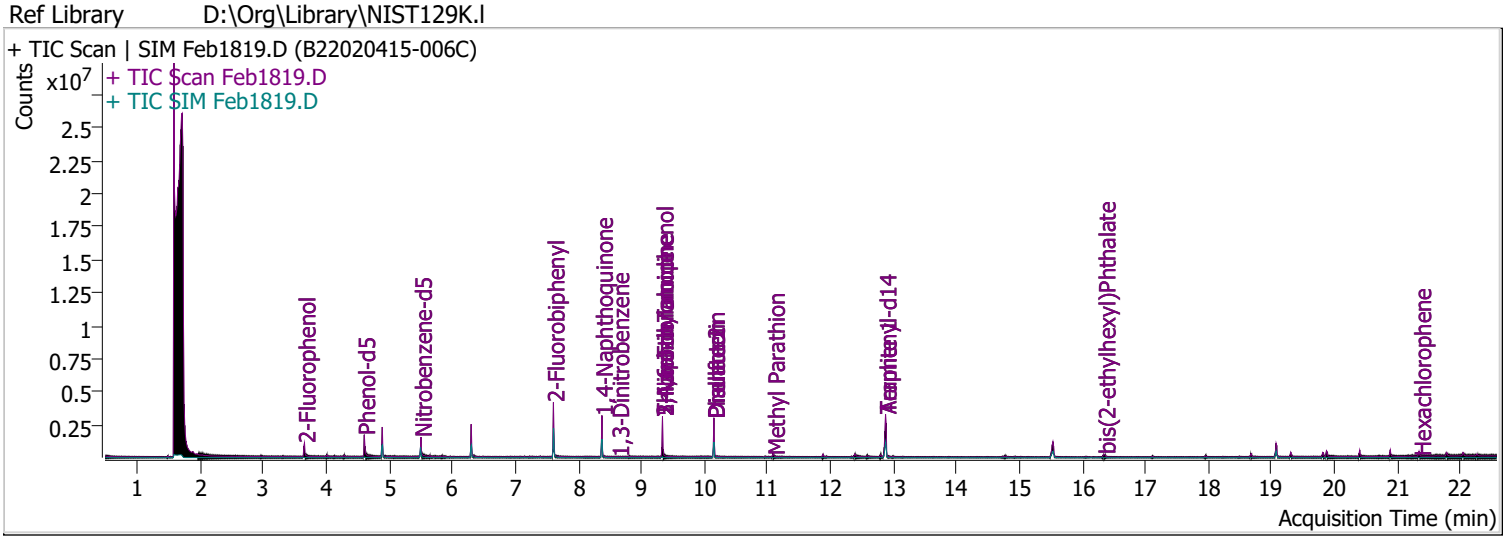
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1819.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 5:42:55 PM
Sample Name	B22020415-006C	Instrument	Instrument #1
Vial	19	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



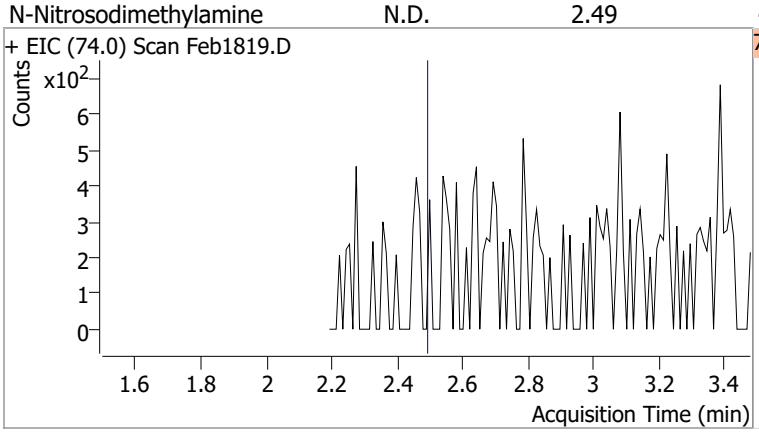
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	403711	48.3128	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 24.16%			
S Phenol-d5	4.603	99.0	603318	55.0310	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 27.52%			
S Nitrobenzene-d5	5.502	82.0	377384	62.1913	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 62.19%			
S 2-Fluorobiphenyl	7.605	172.0	1263545	68.5601	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 68.56%			
S 2,4,6-Tribromophenol	9.336	329.8	238751	141.9139	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 70.96%			
S Terphenyl-d14	12.875	244.3	1862114	101.5098	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 101.51%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.			
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

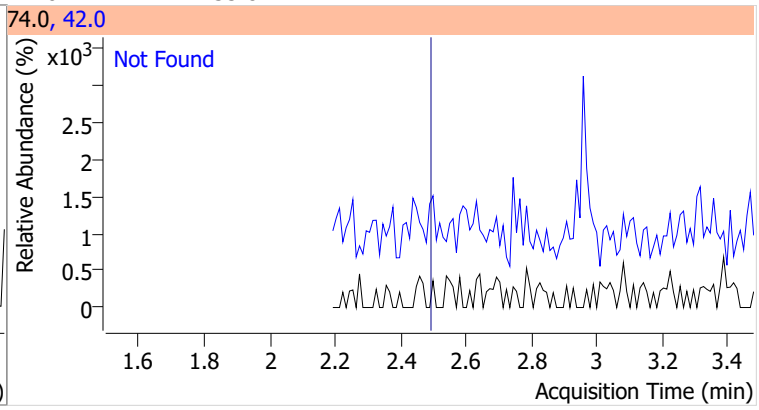
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	6.301	130.0	0		µg/L	md	1
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	9.029	165.0	0		µg/L	md	1
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	16.350	167.0	5389	3.2424	µg/L	#	84
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

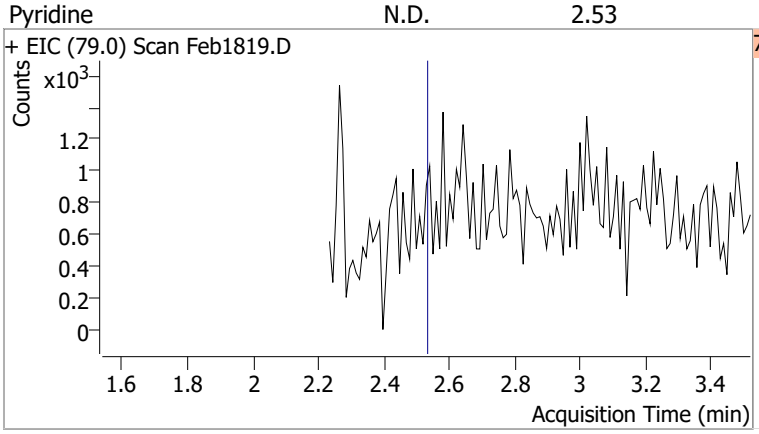
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

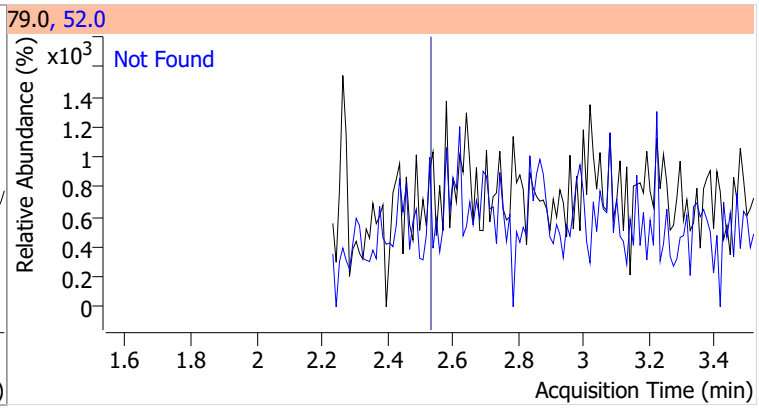
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



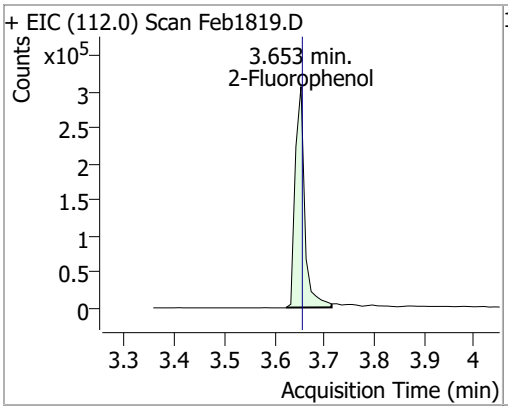


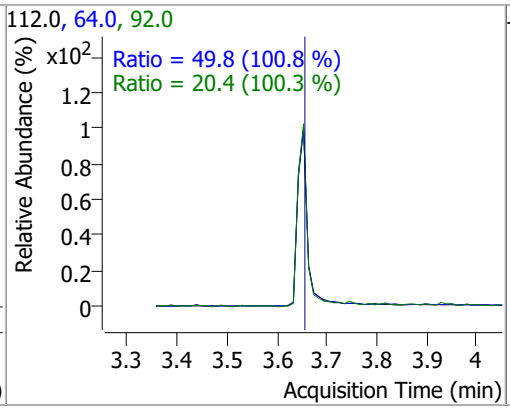
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

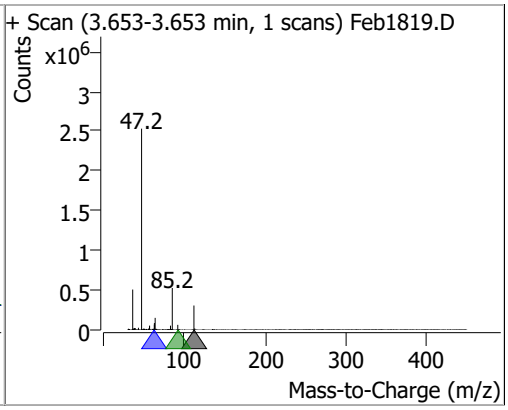




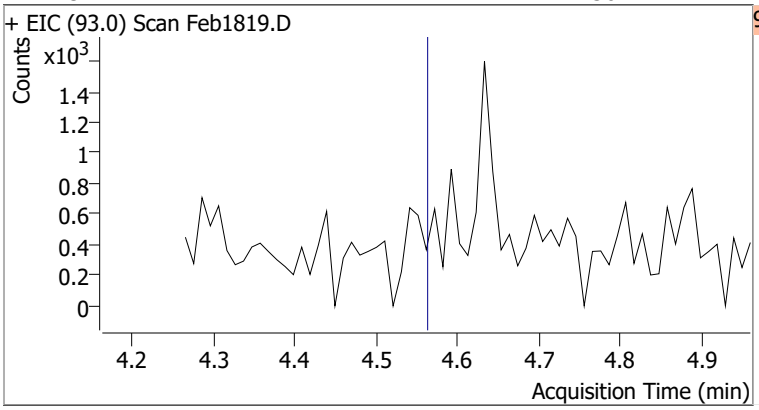
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	48.3128	3.65	0.00	403711	64.0	49.8	34.6	64.3
					92.0	20.4	14.2	26.5

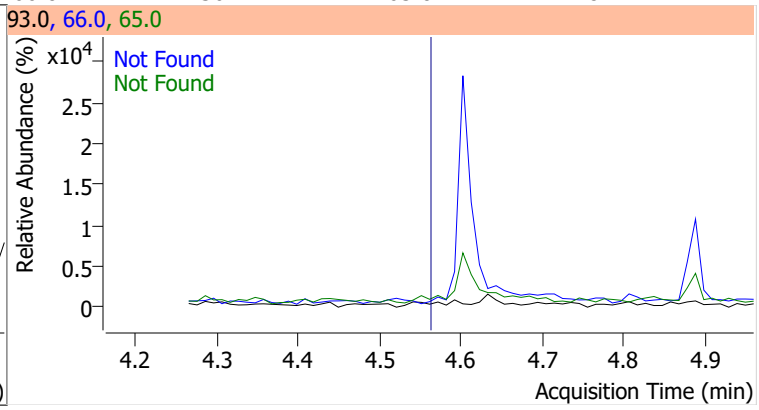




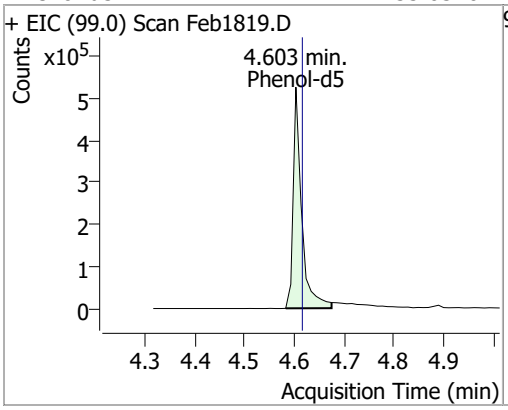


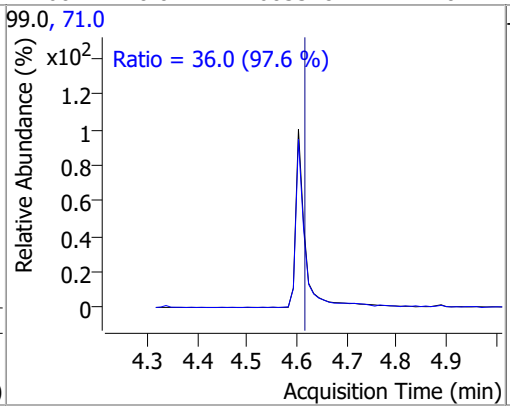
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

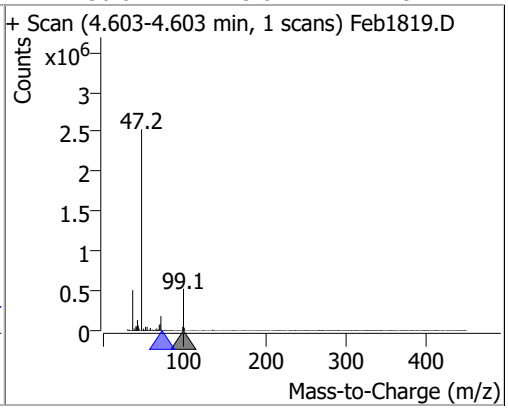




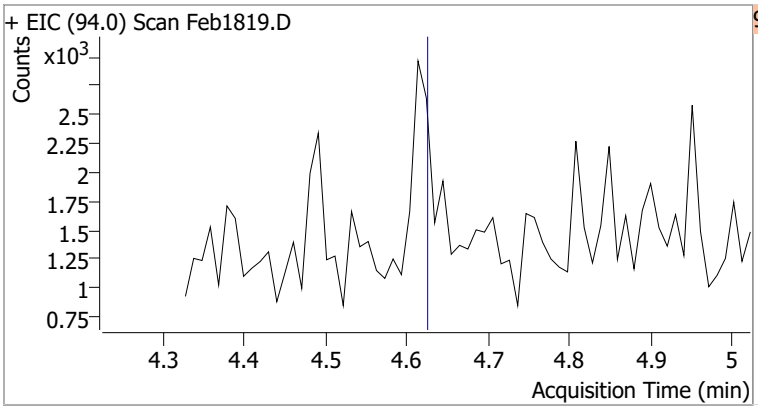
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	55.0310	4.60	-0.01	603318	71.0	36.0	25.8	47.9

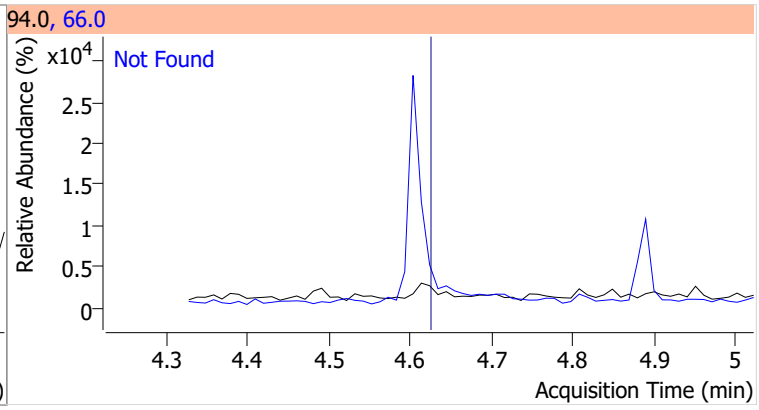




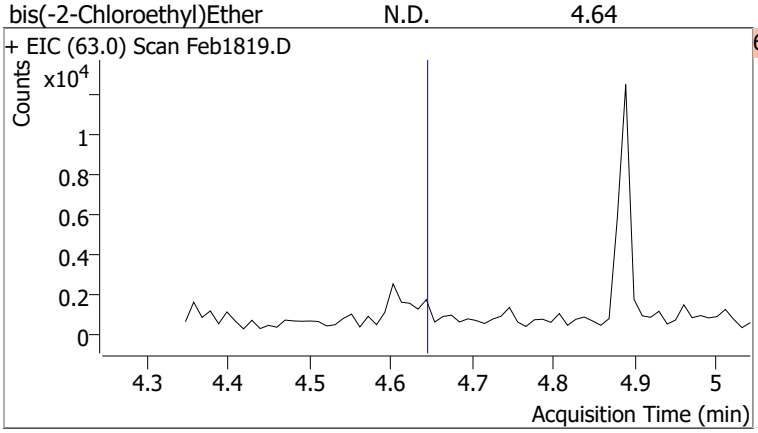


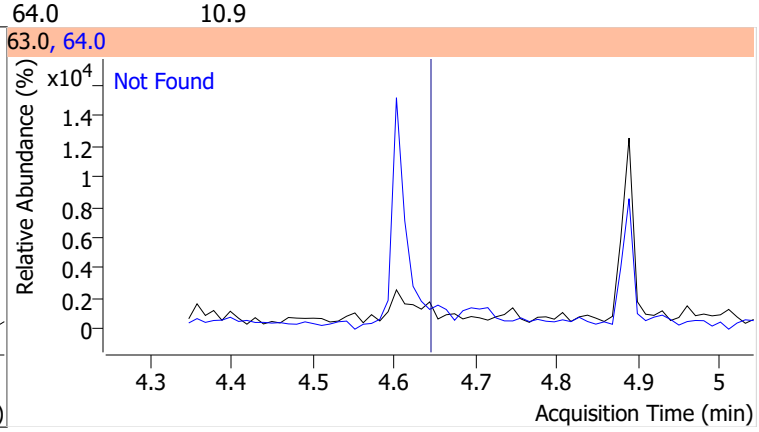
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



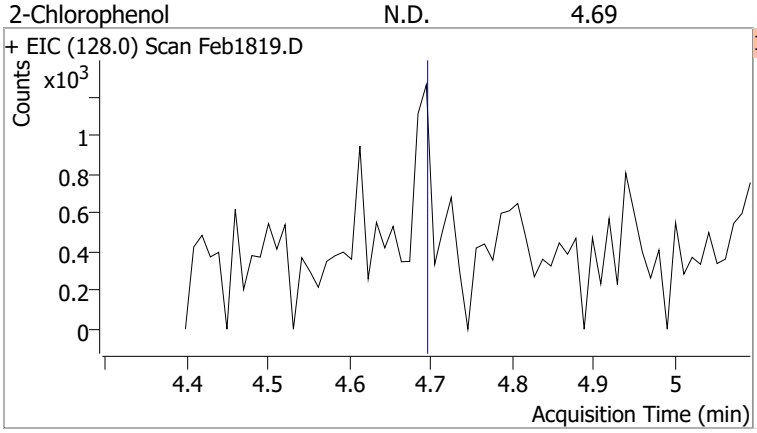


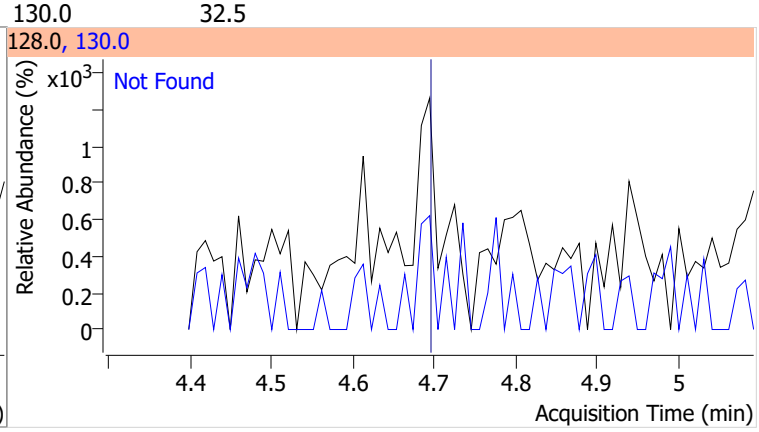
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



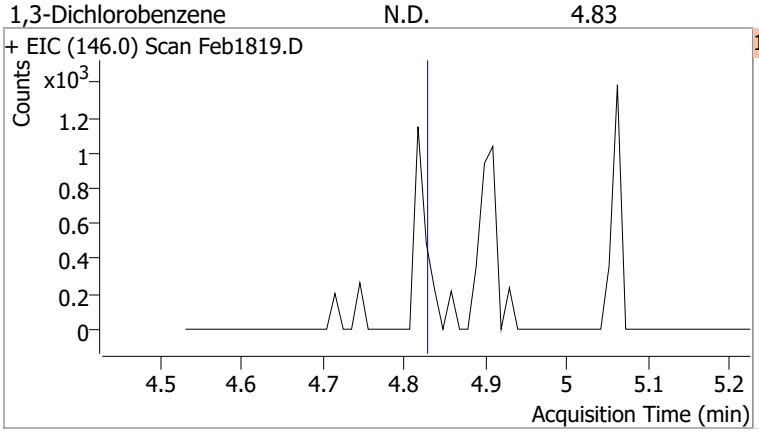


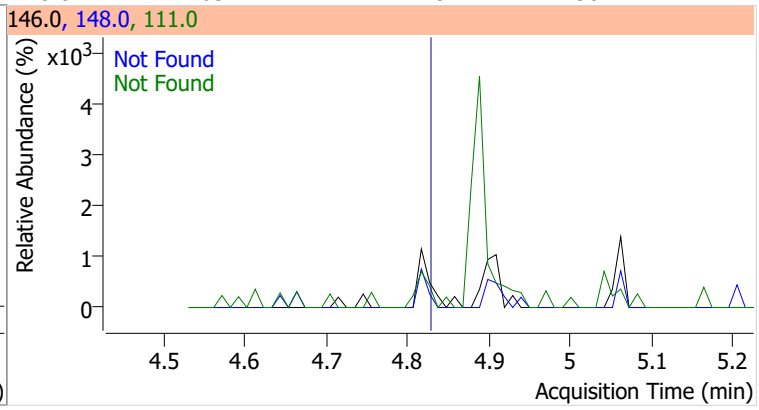
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



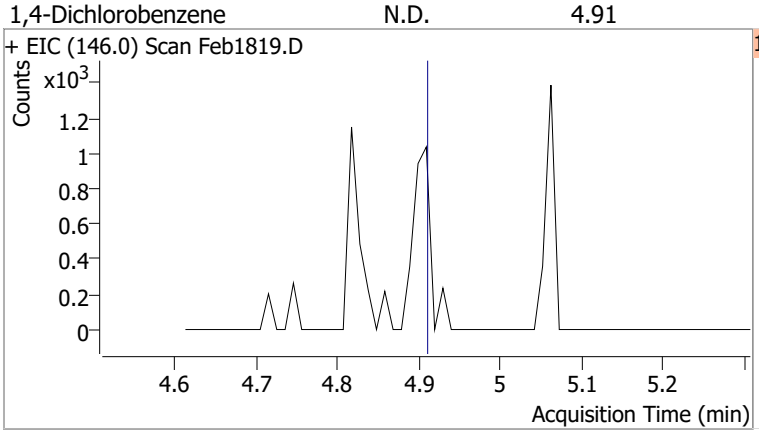


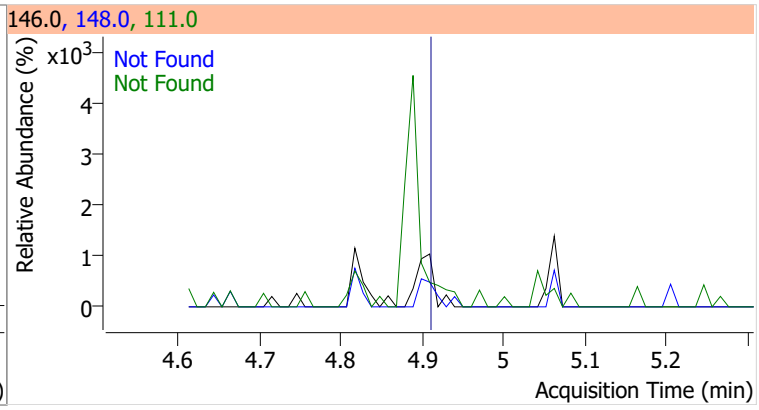
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



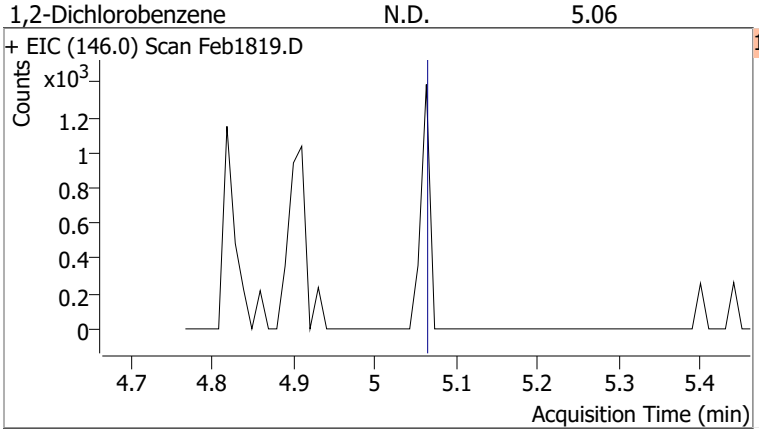


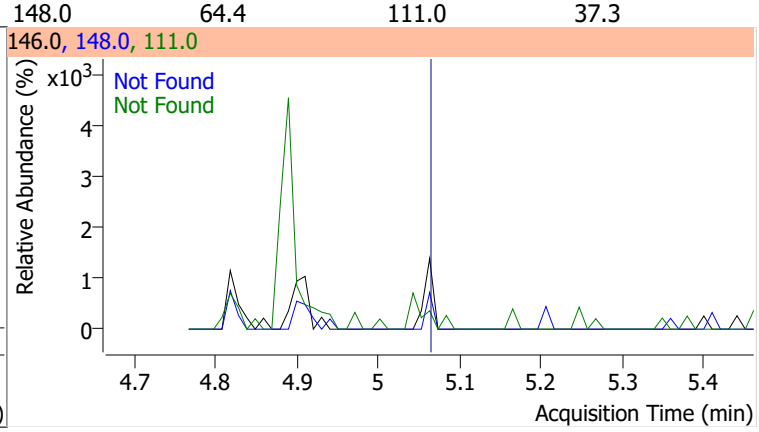
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



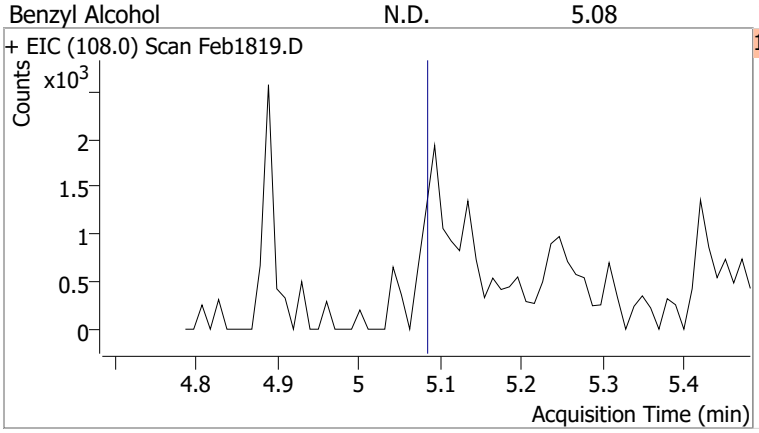


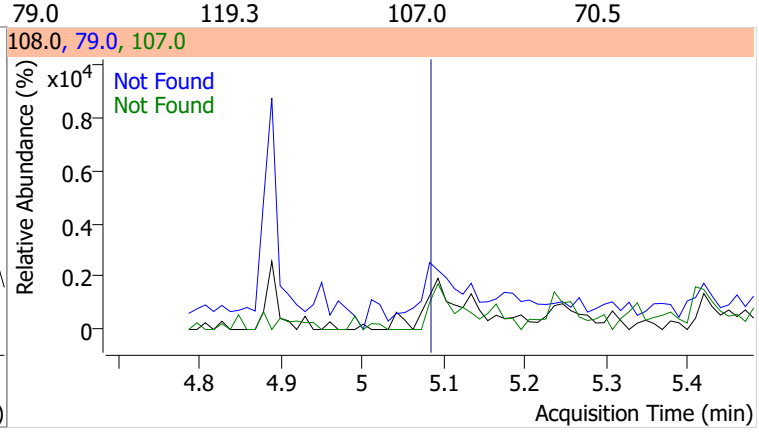
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



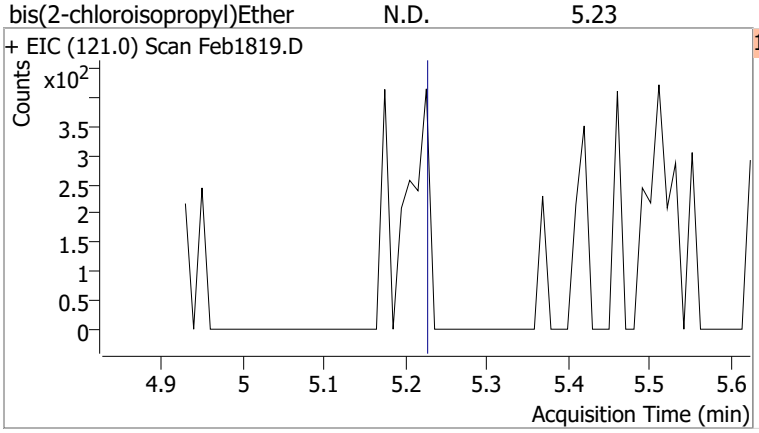


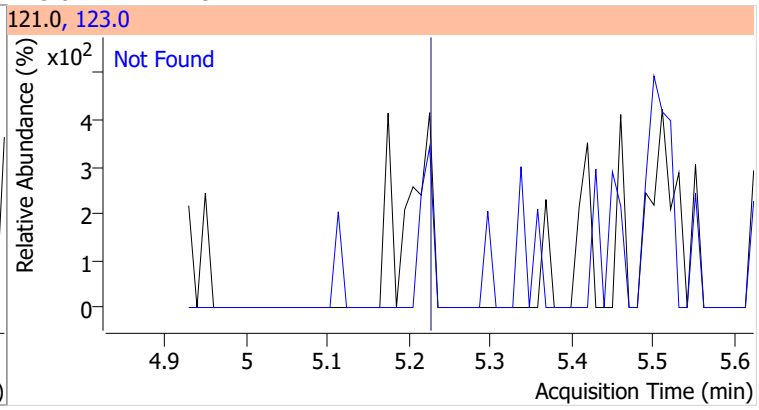
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



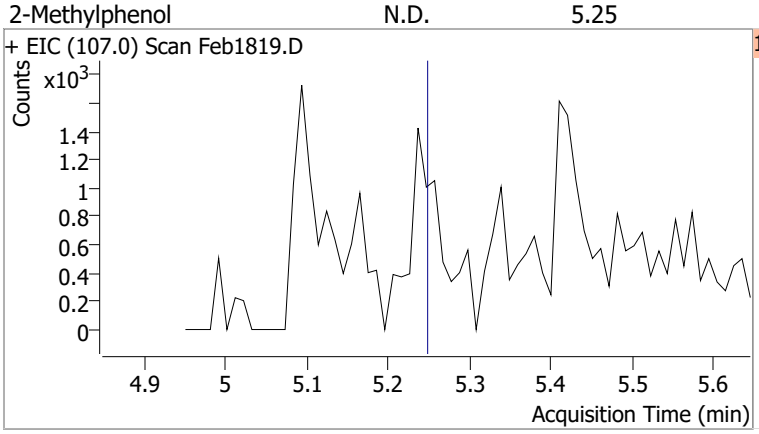


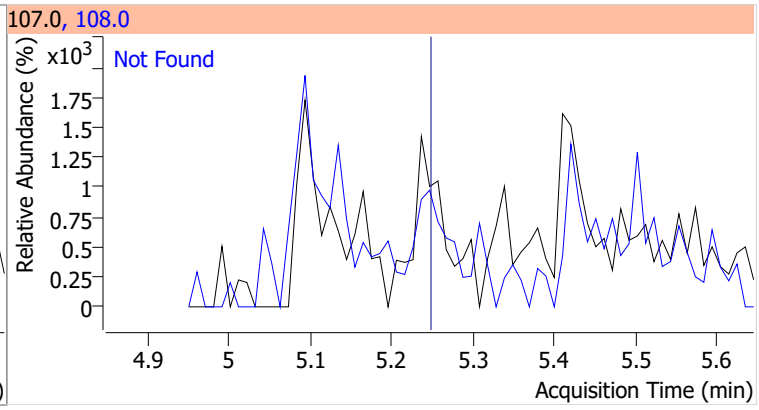
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



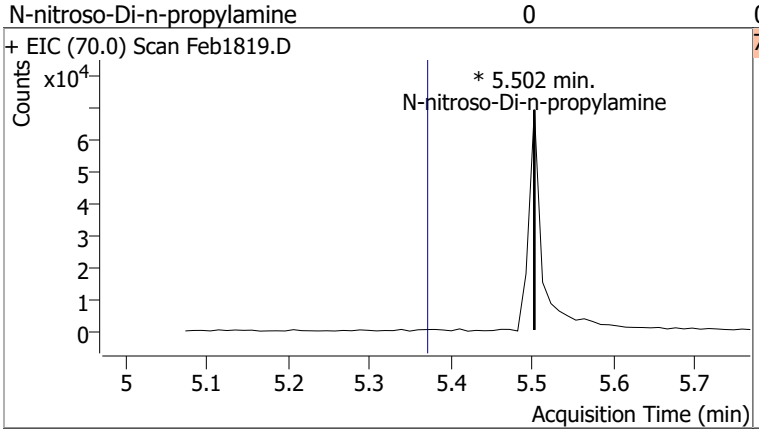


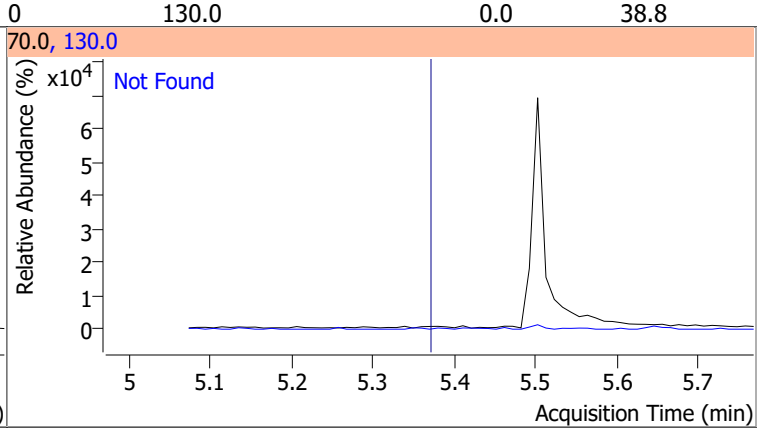
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



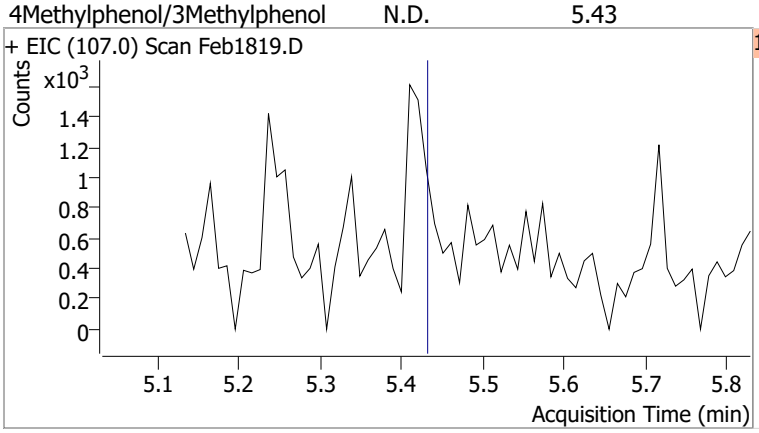


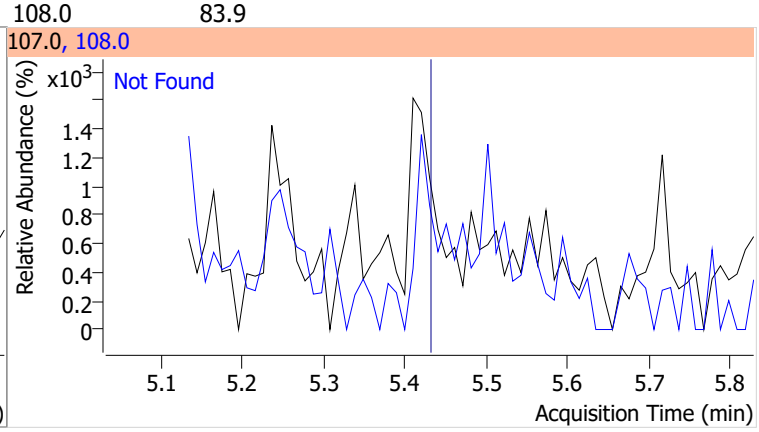
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



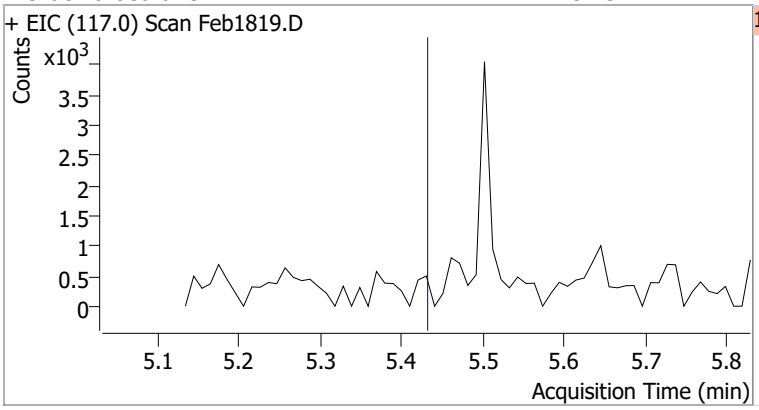


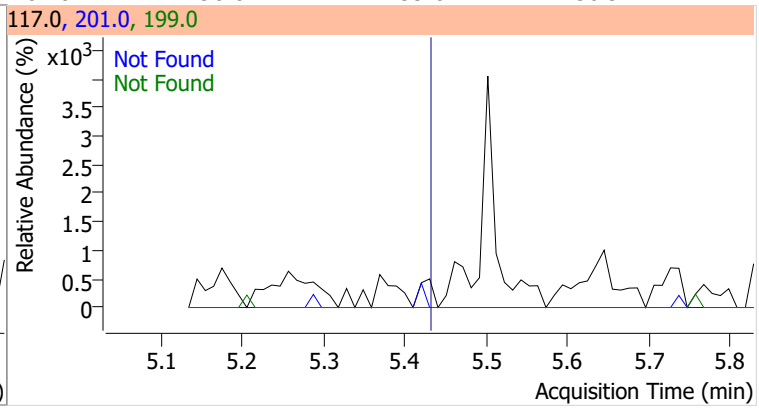
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



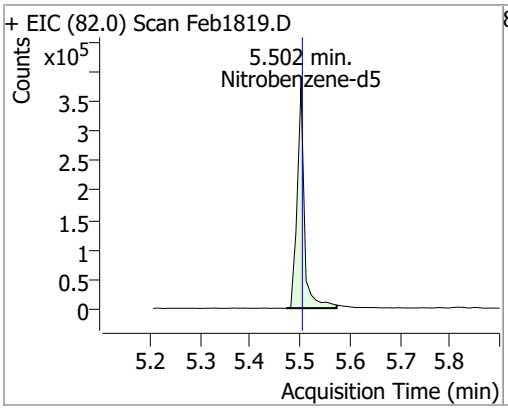


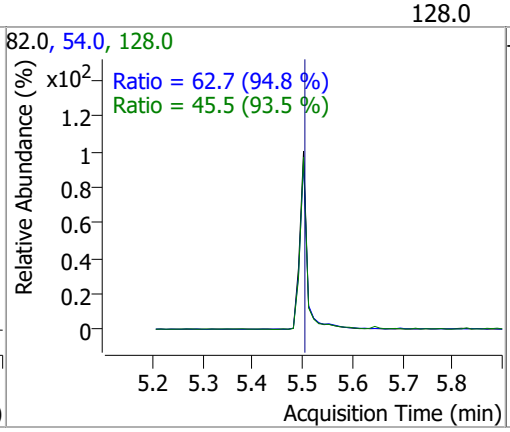
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

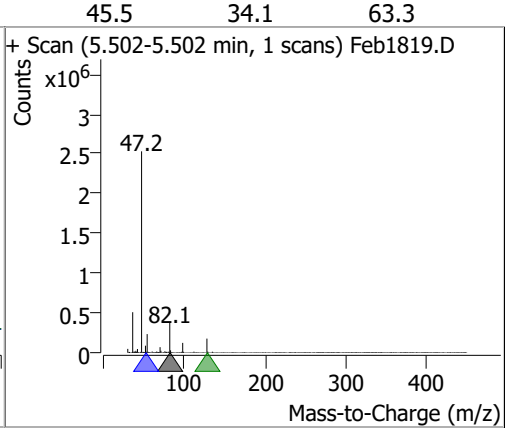




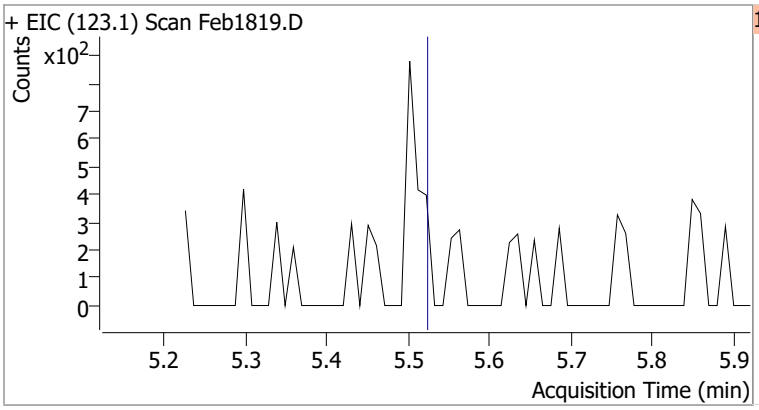
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	62.1913	5.50	0.00	377384	54.0	62.7	46.3	86.0
					128.0	45.5	34.1	63.3

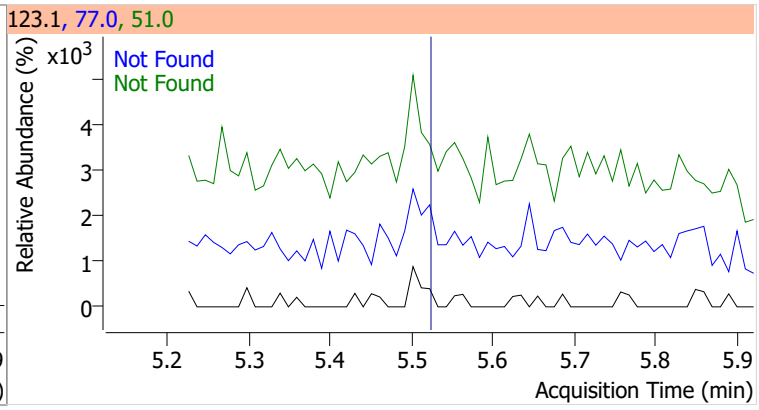




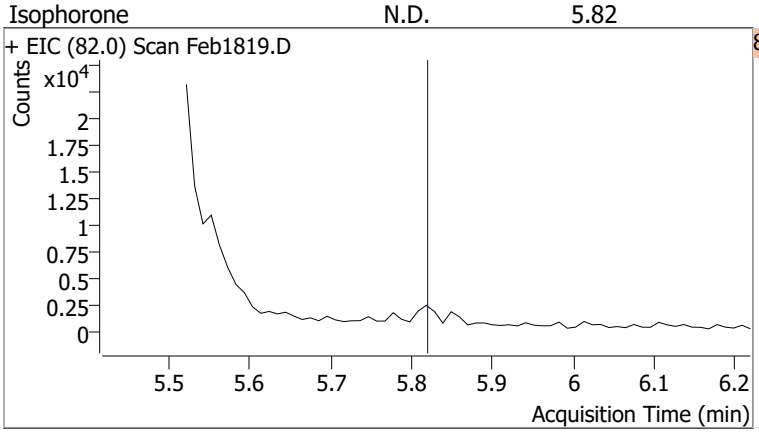


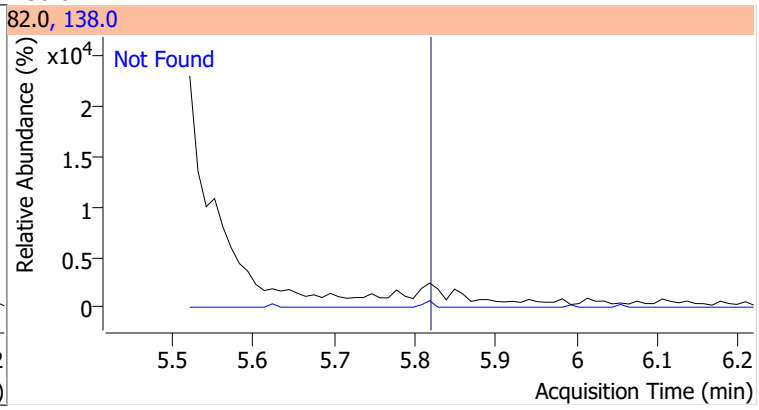
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



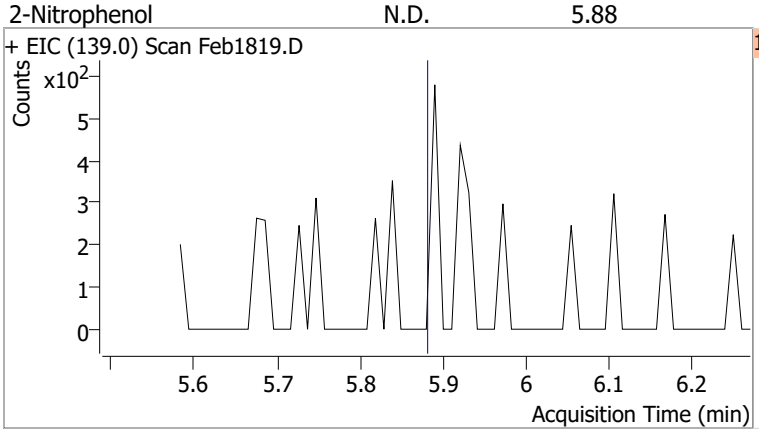


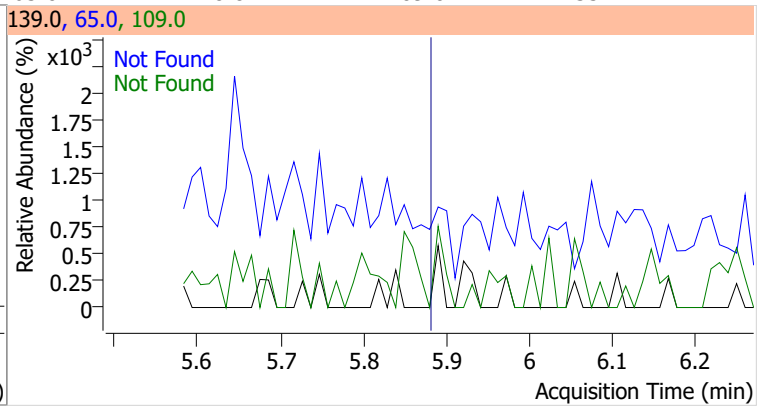
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



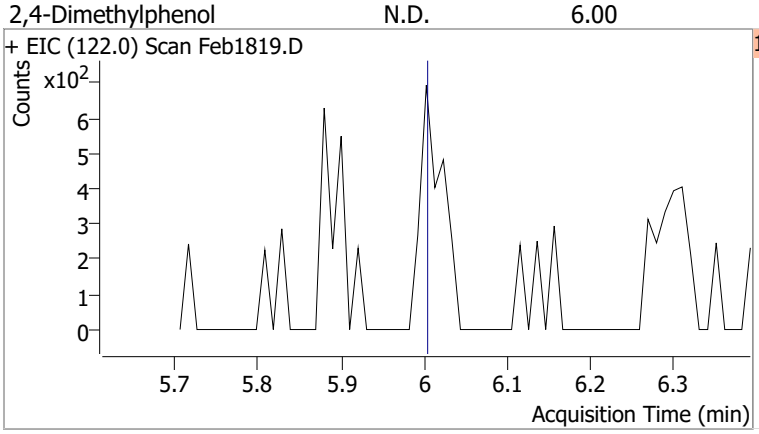


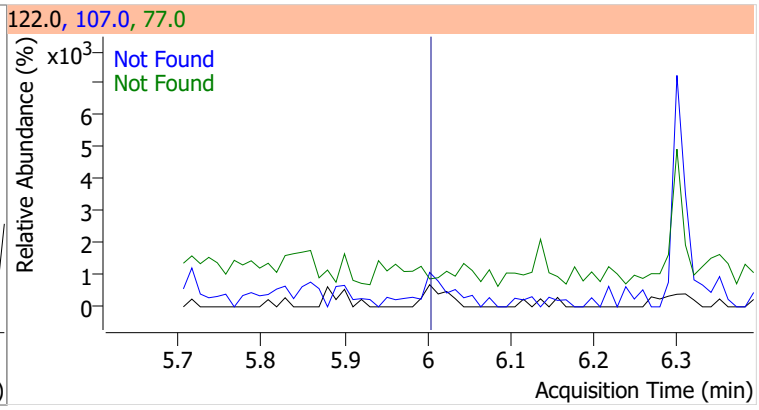
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



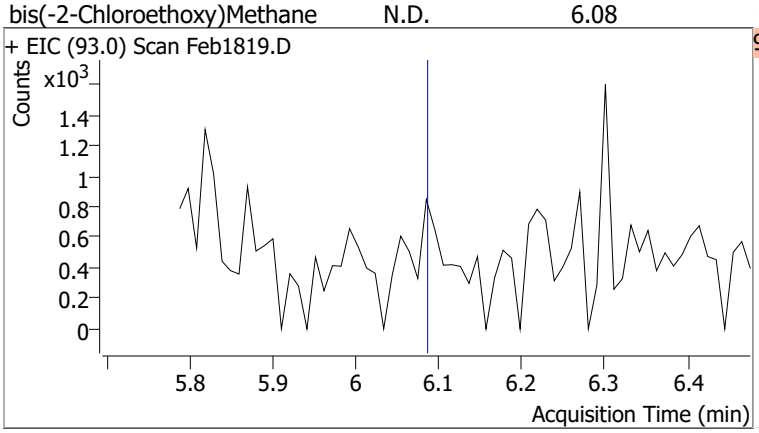


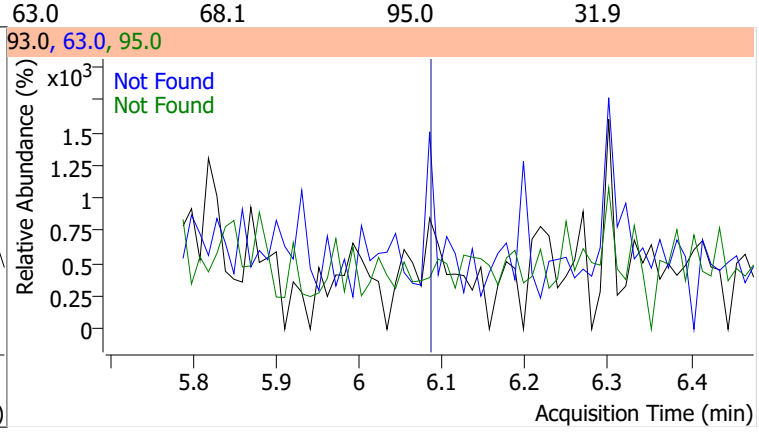
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



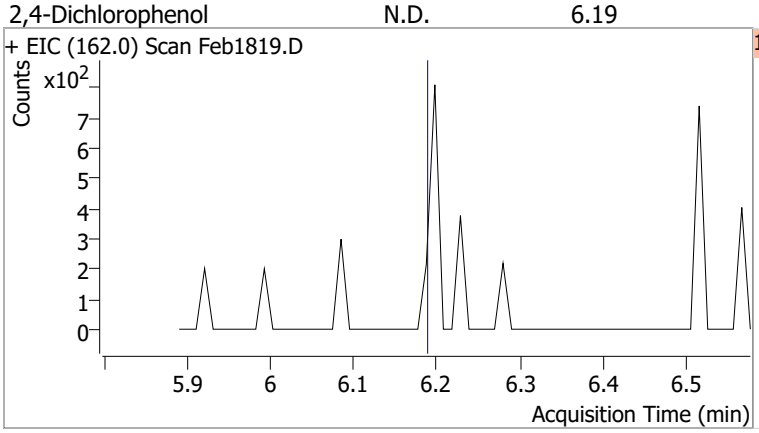


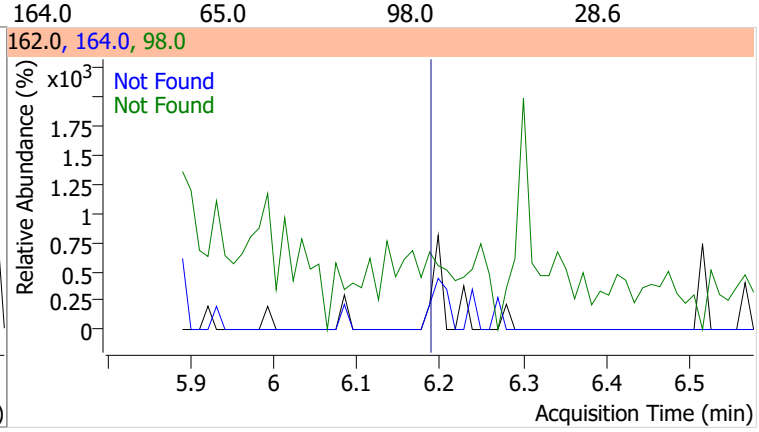
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



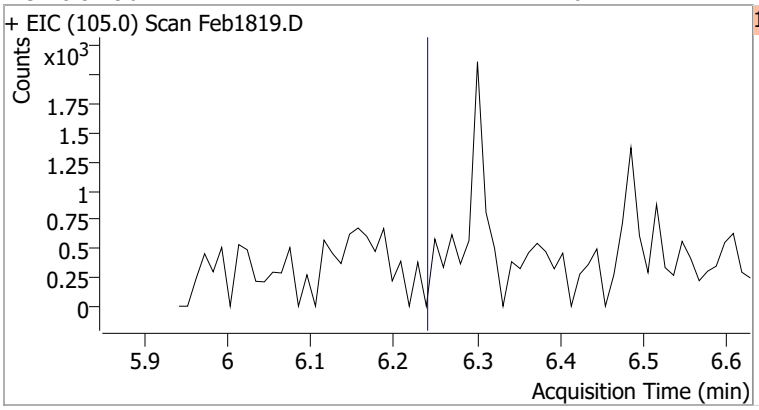


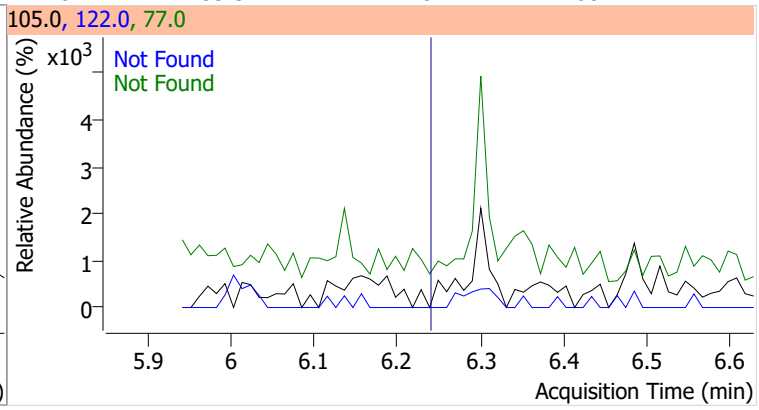
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



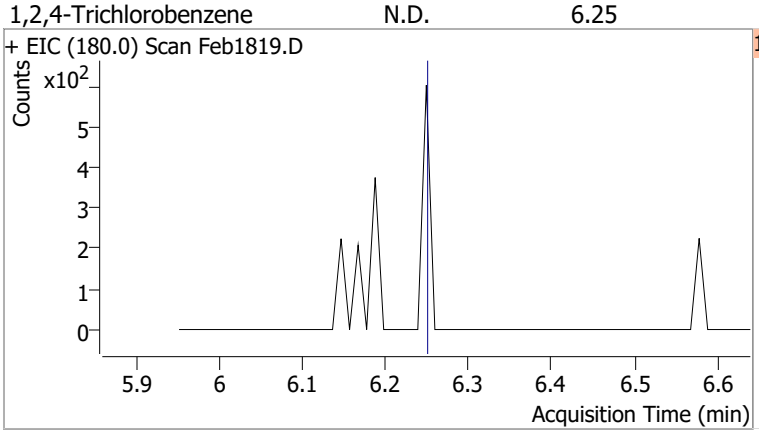


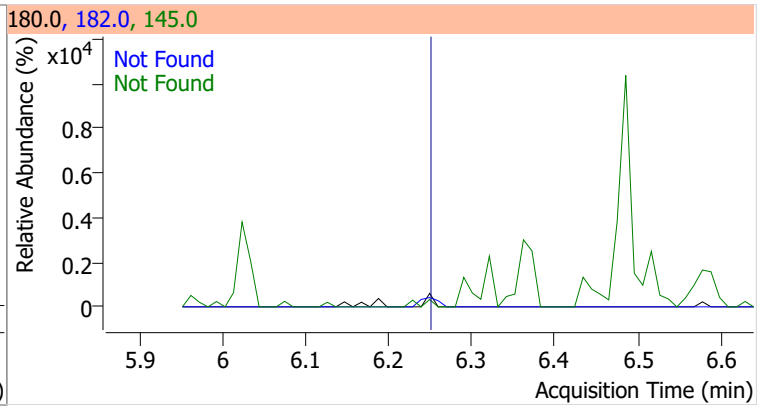
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



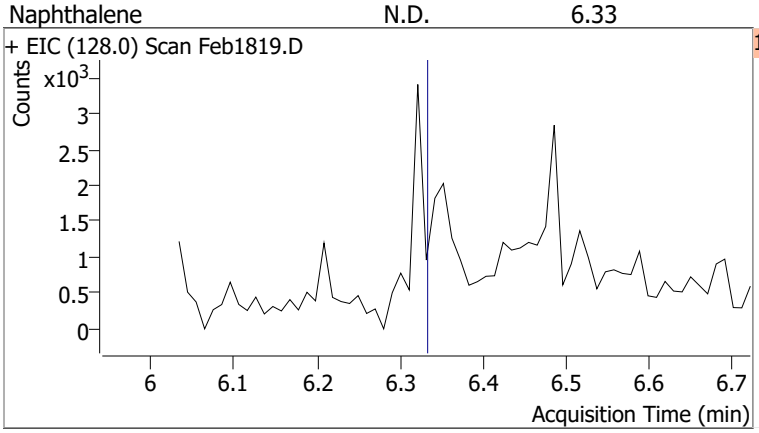


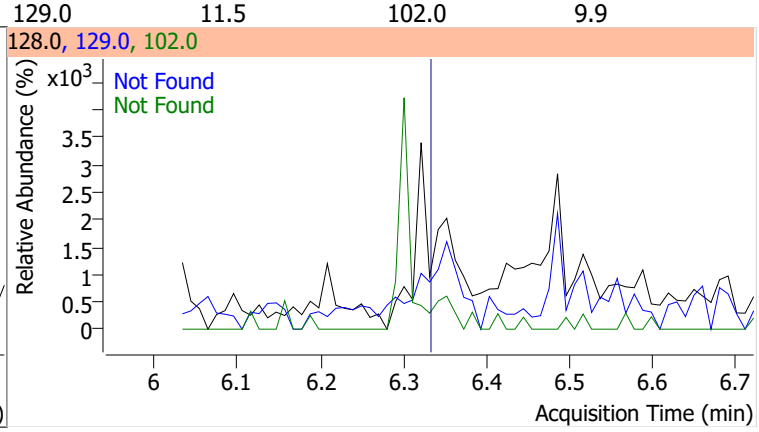
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



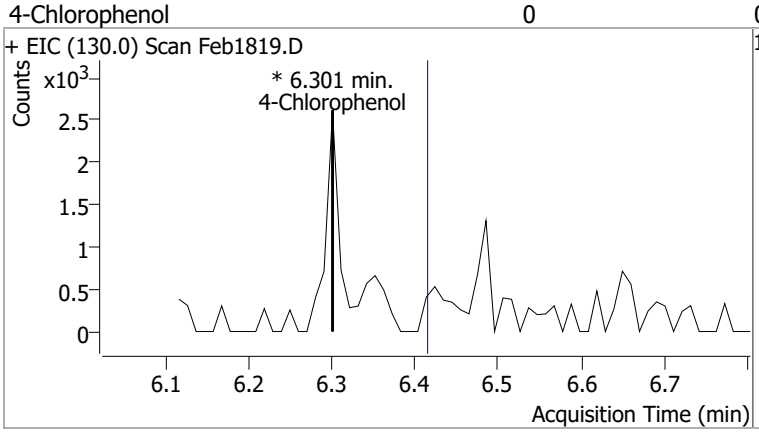


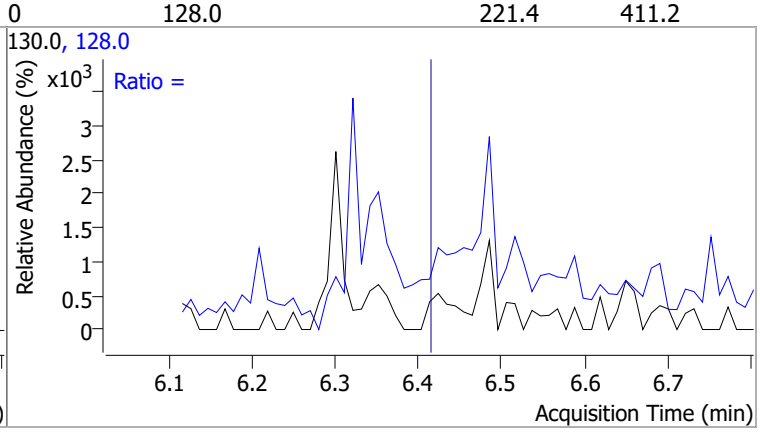
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



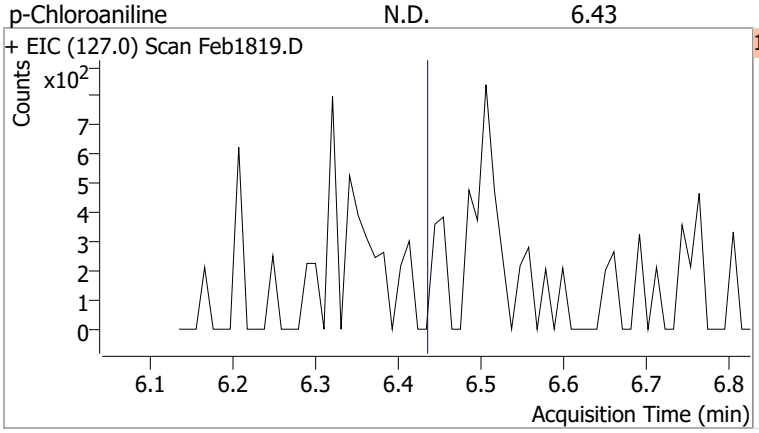


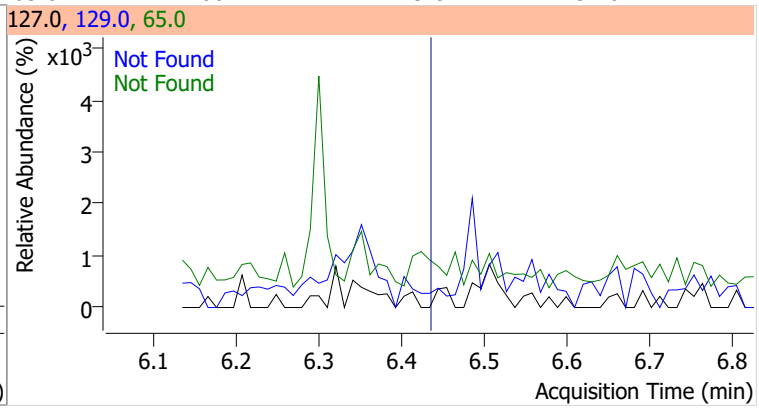
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol		0		0	128.0		221.4	411.2



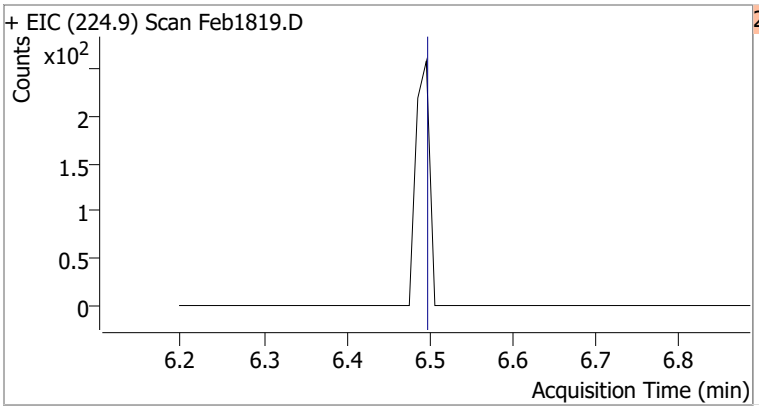


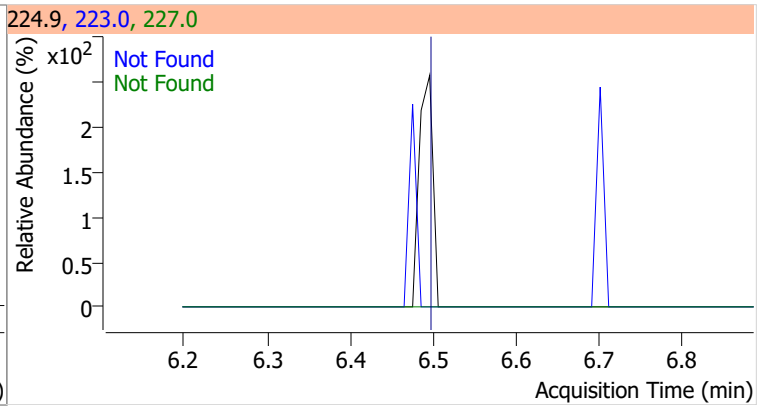
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



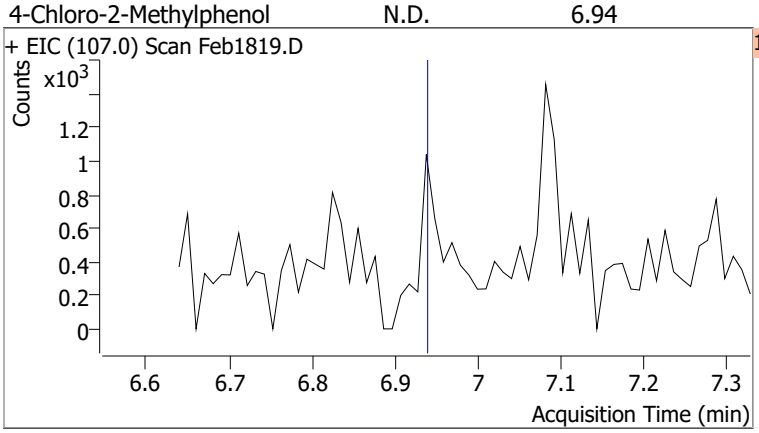


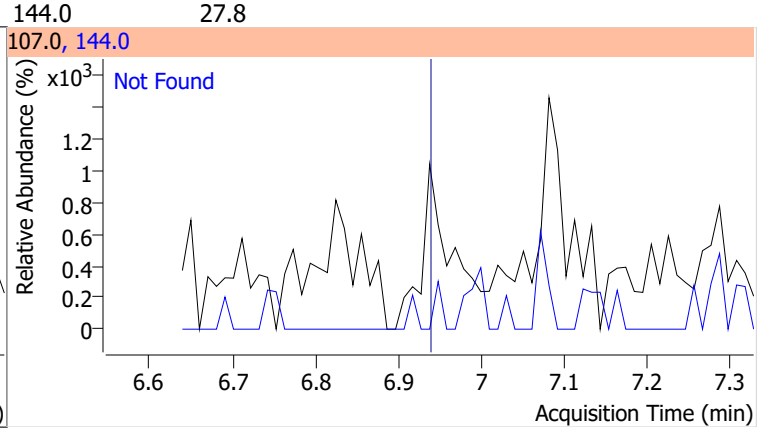
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



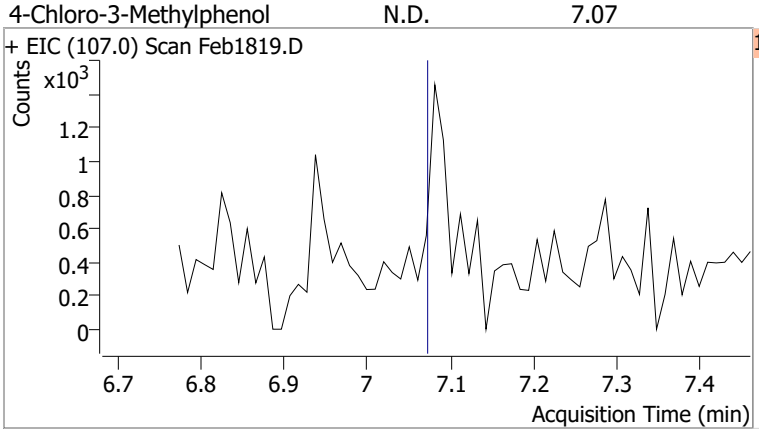


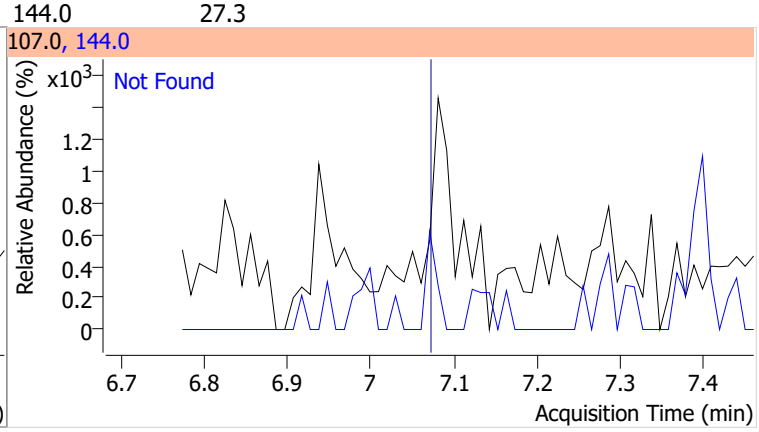
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



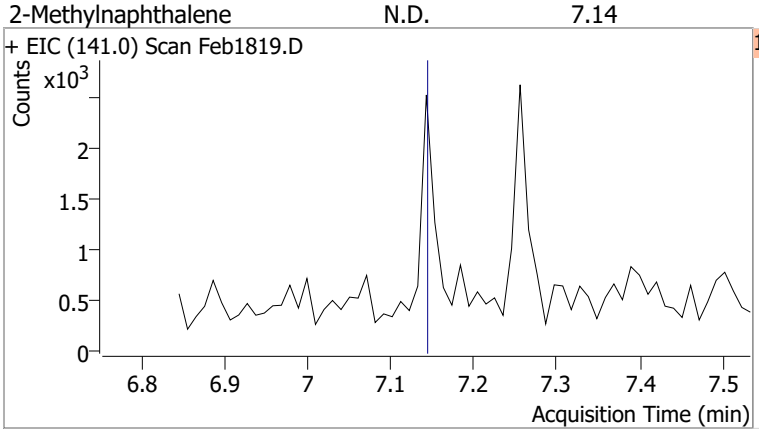


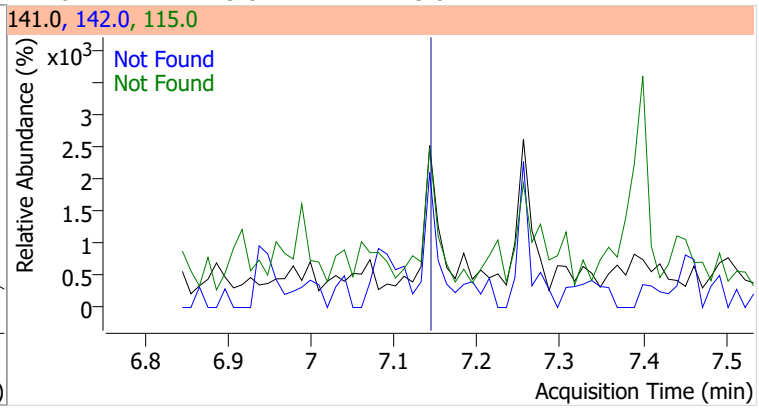
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



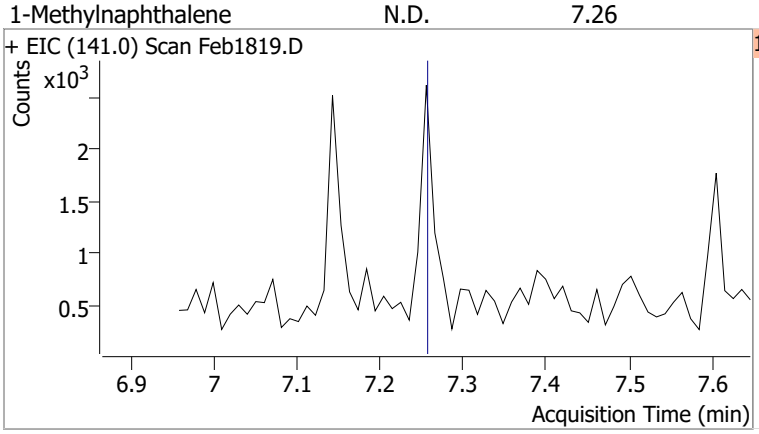


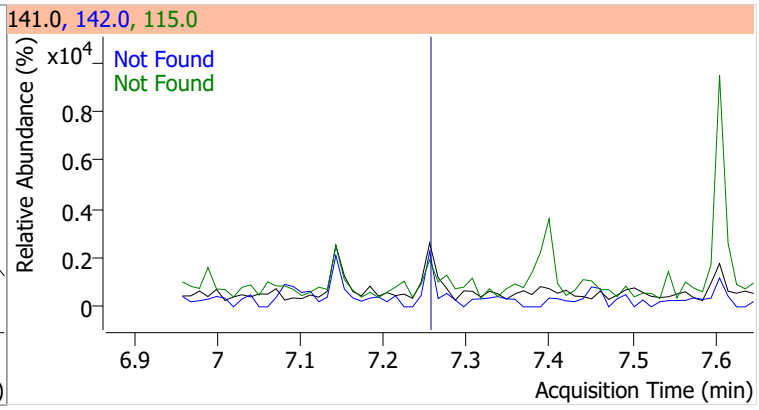
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



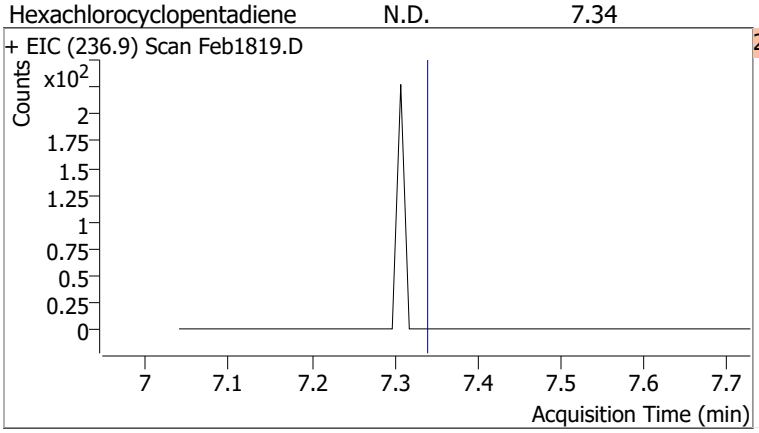


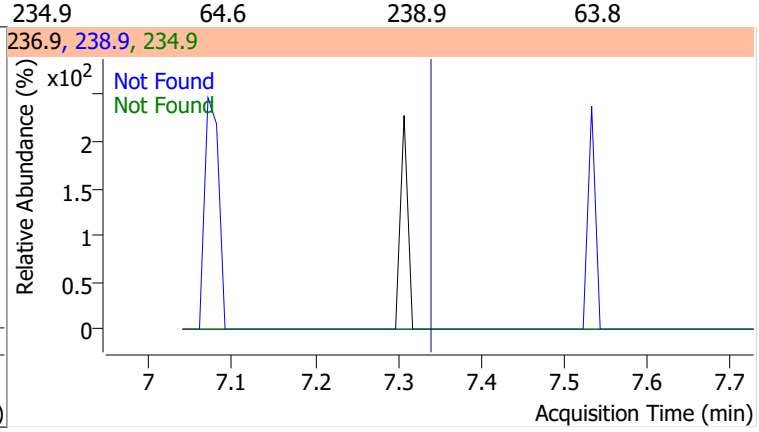
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



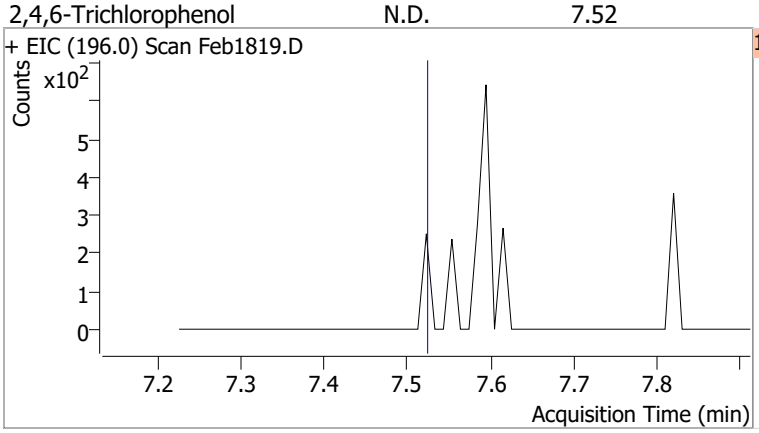


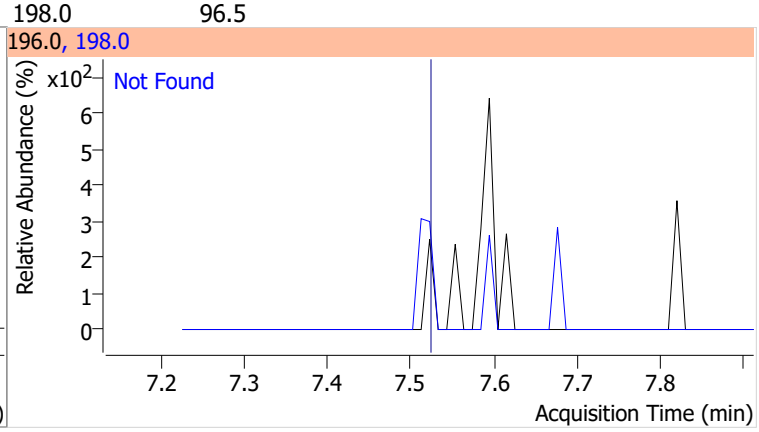
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



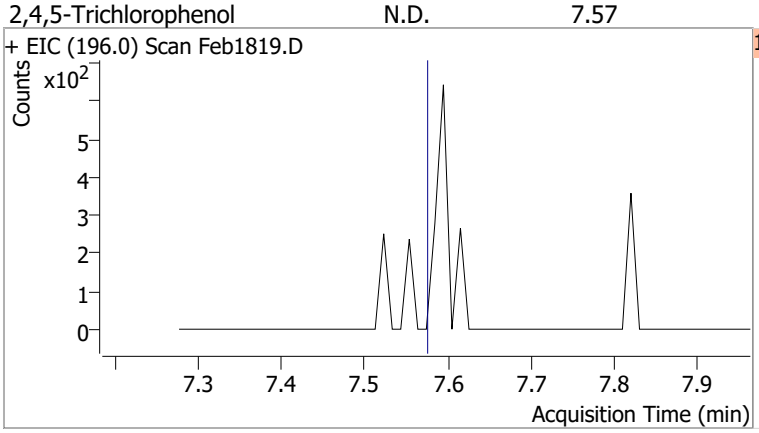


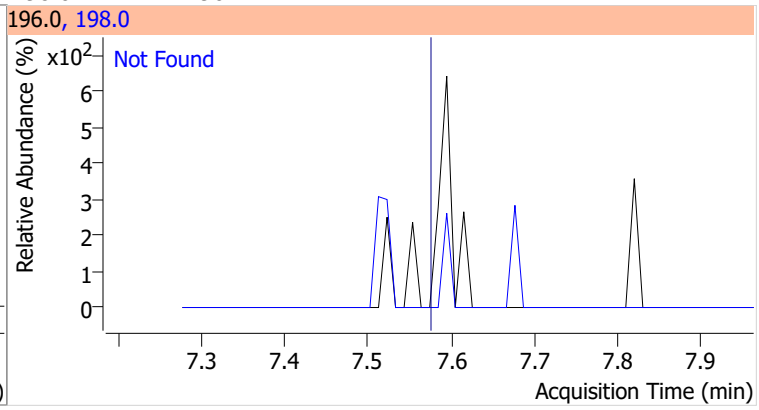
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



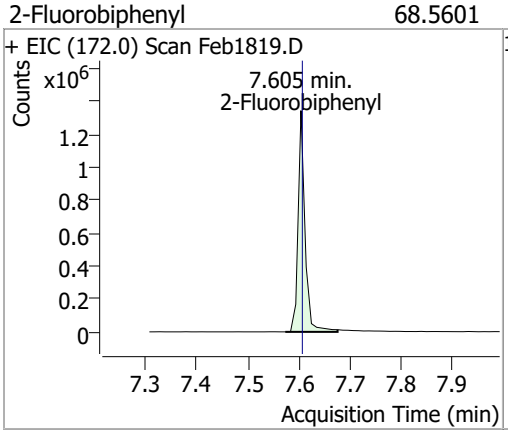


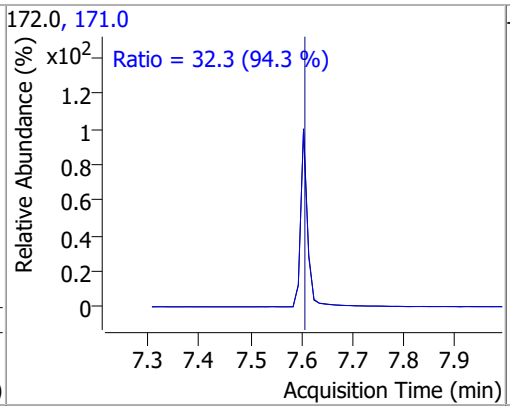
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

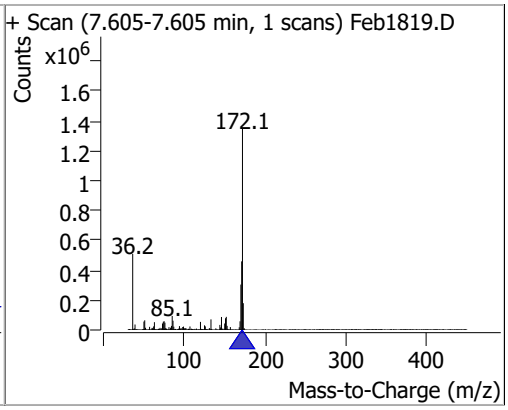




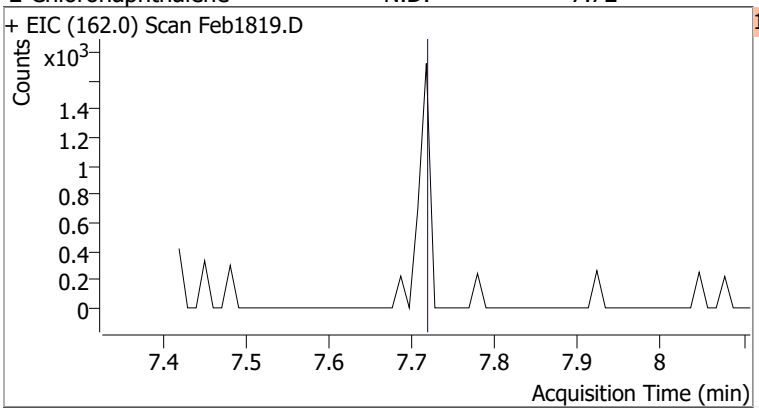
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	68.5601	7.60	0.00	1263545	171.0	32.3	24.0	44.5

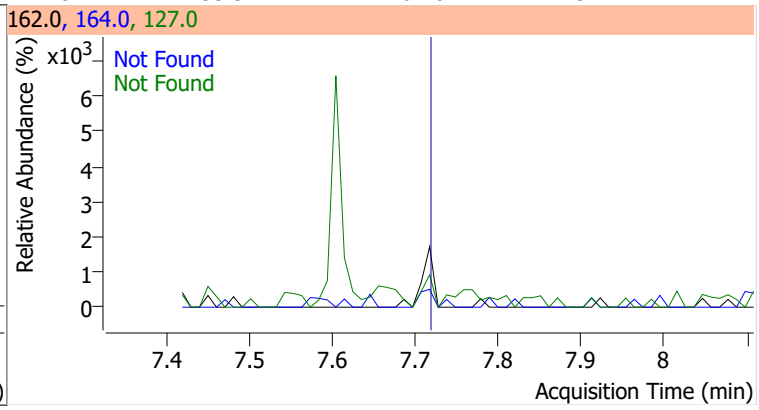




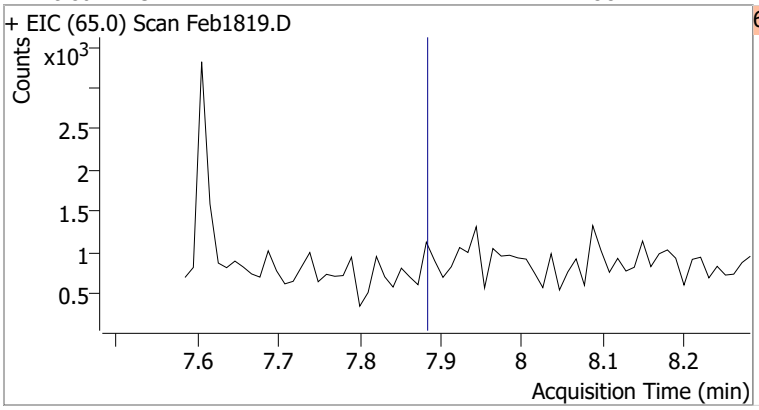


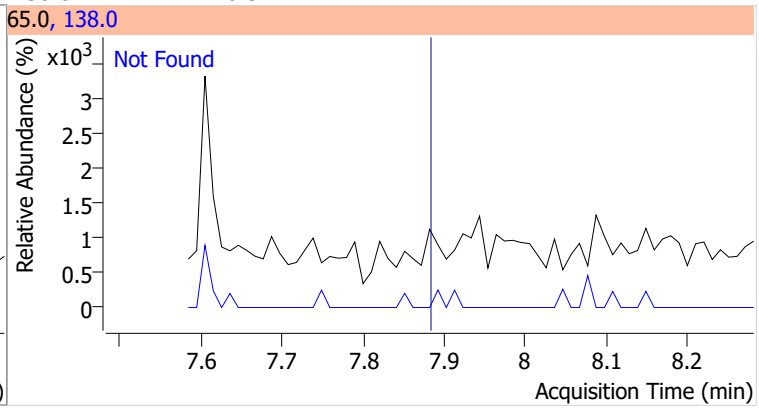
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



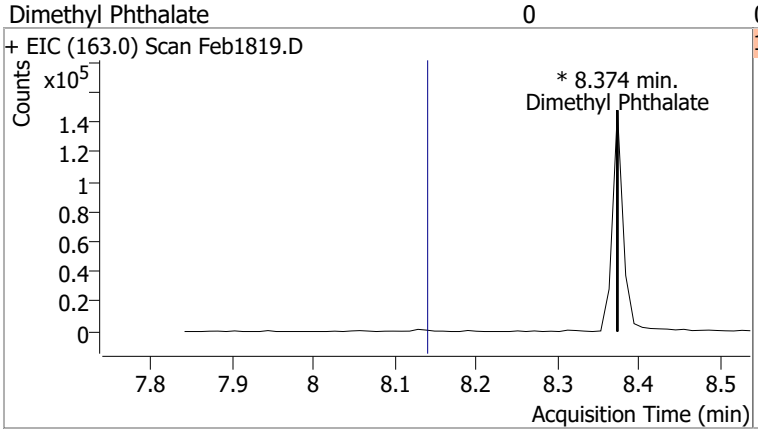


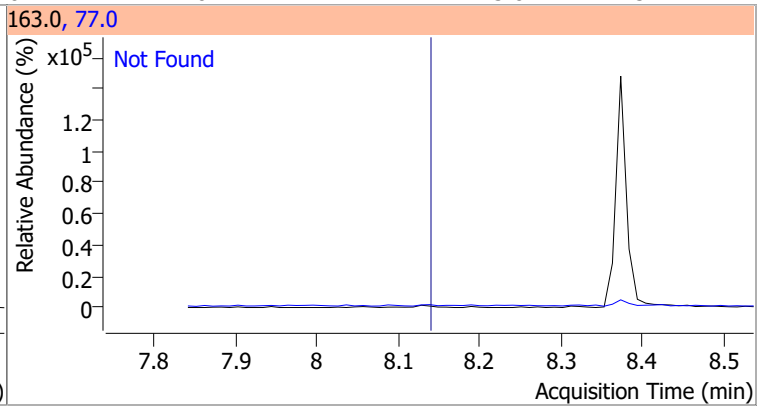
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



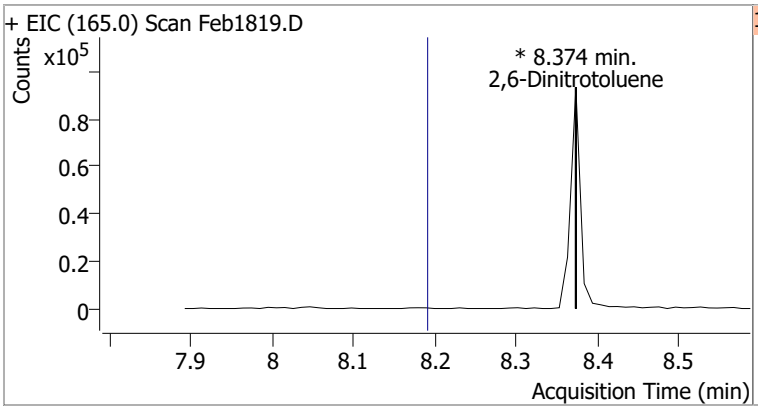


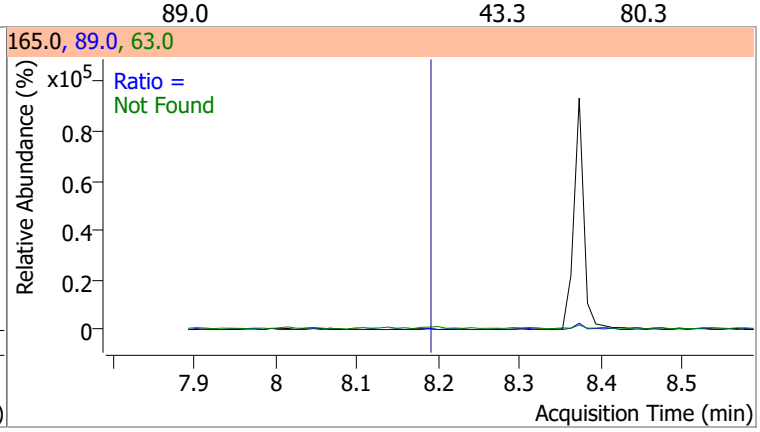
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



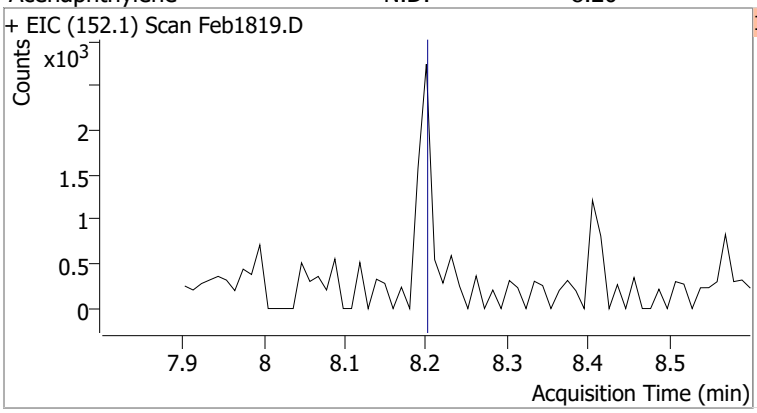


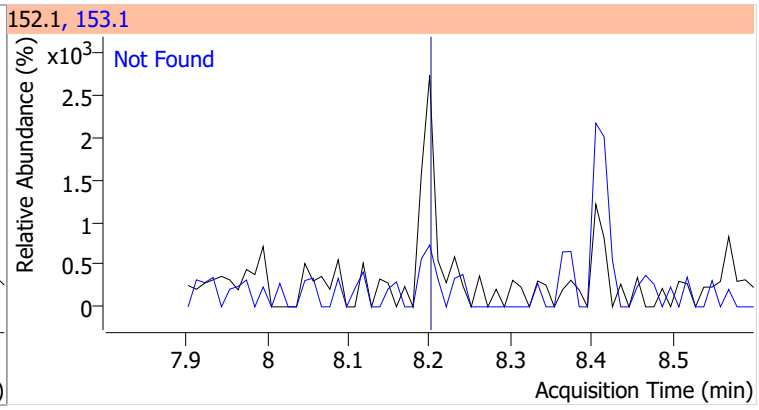
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



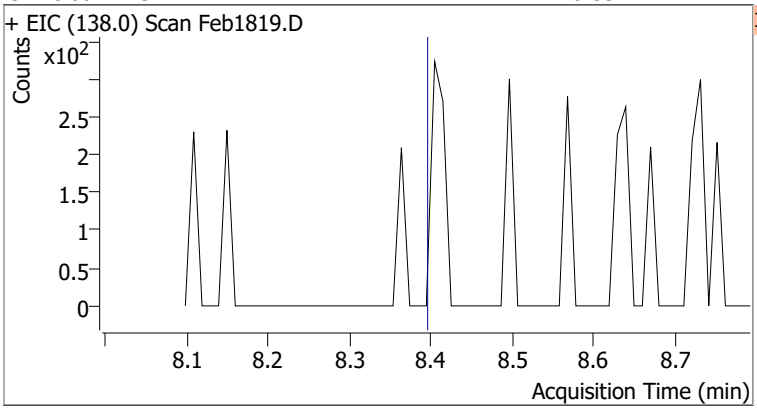


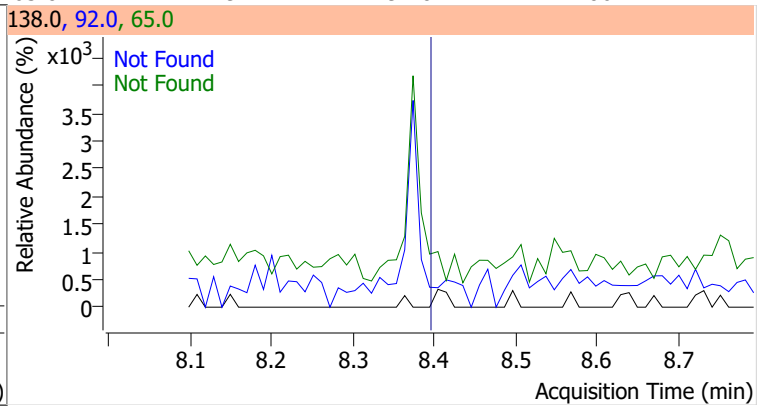
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



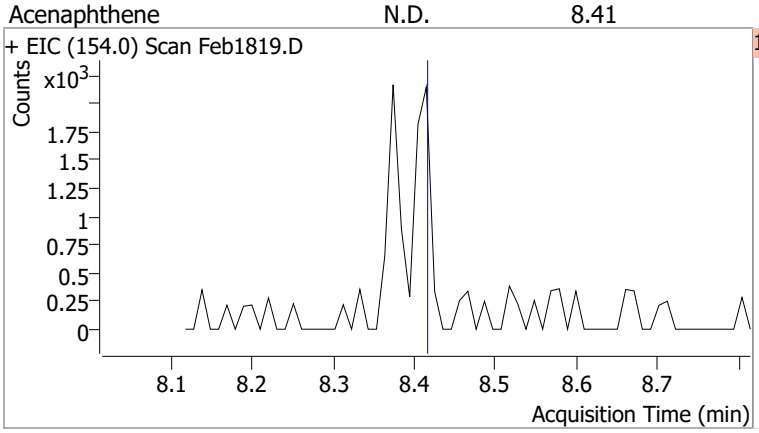


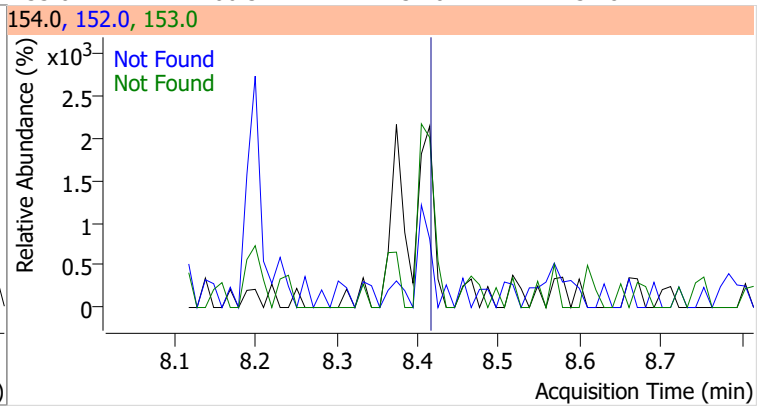
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



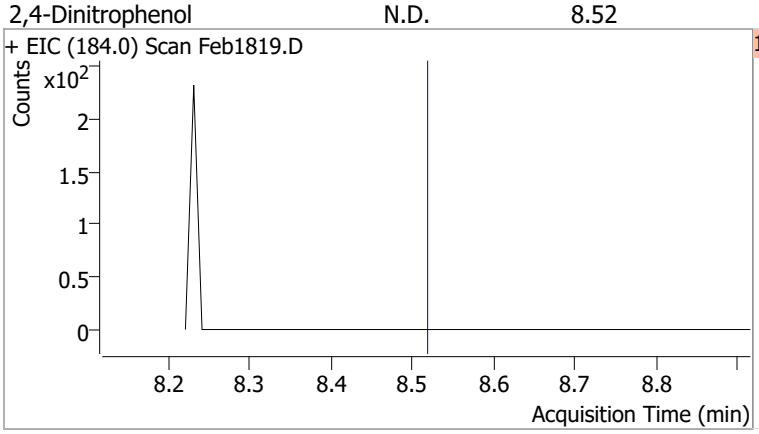


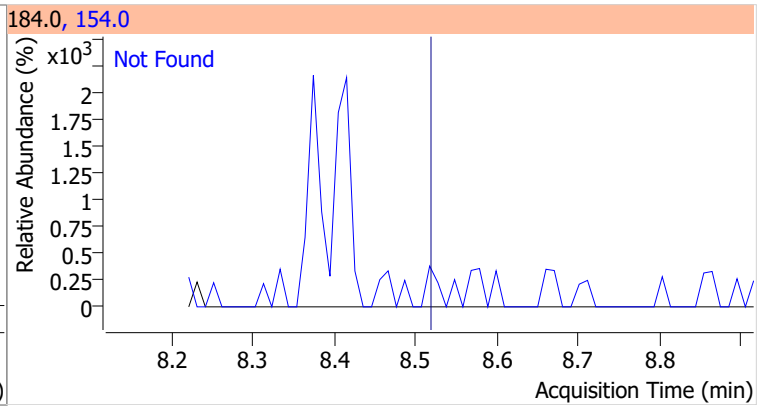
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



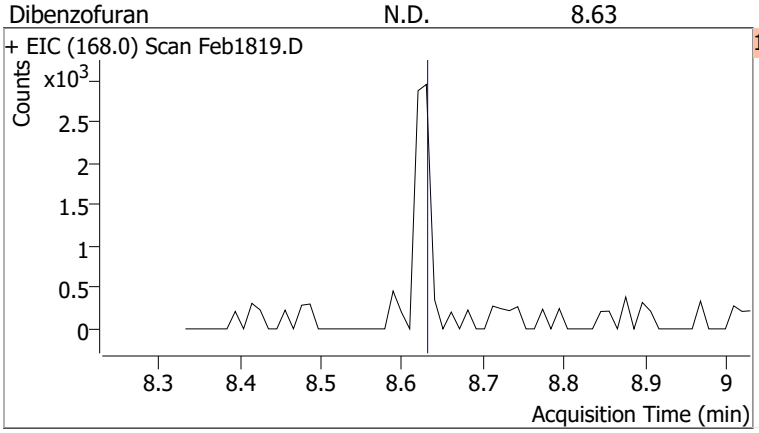


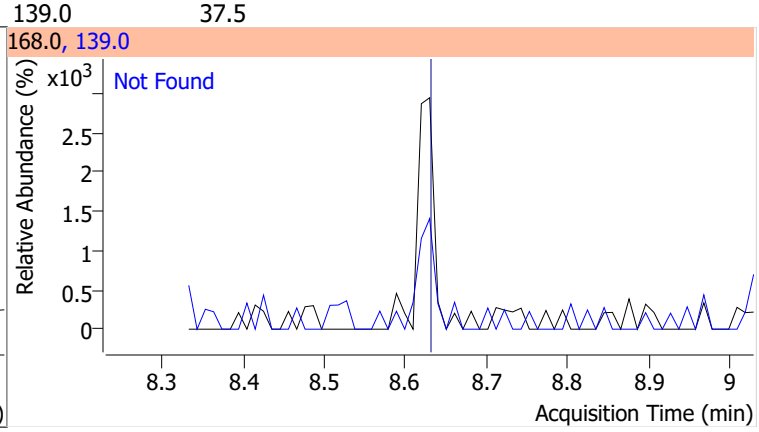
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



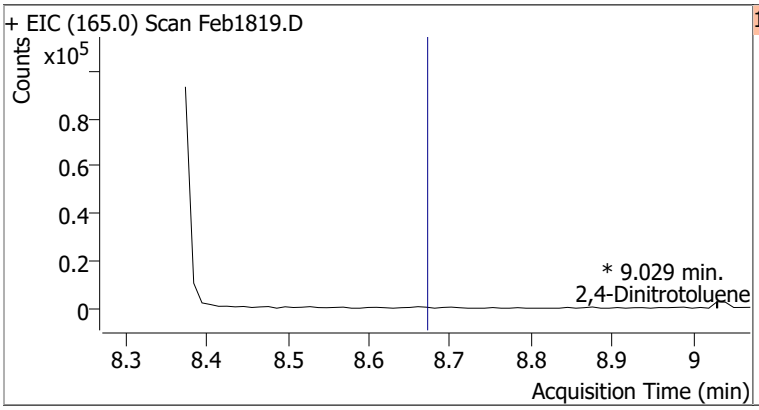


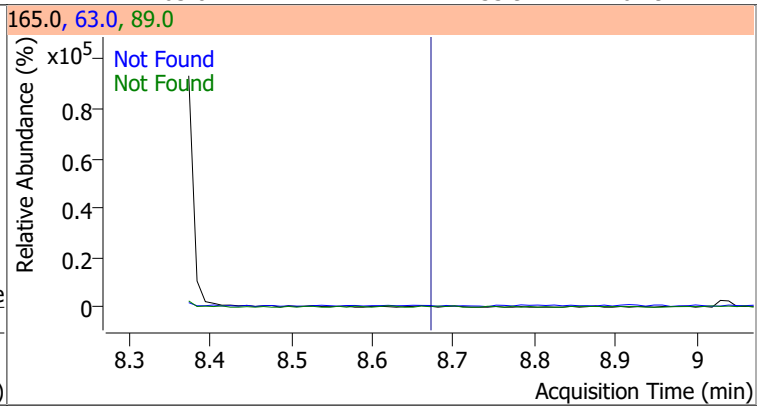
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



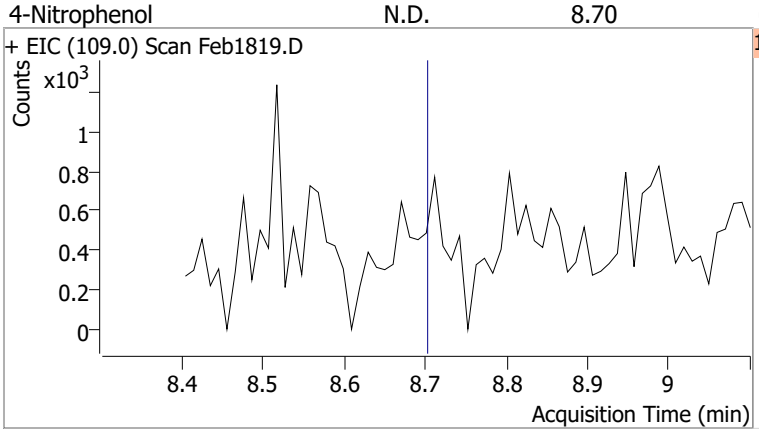


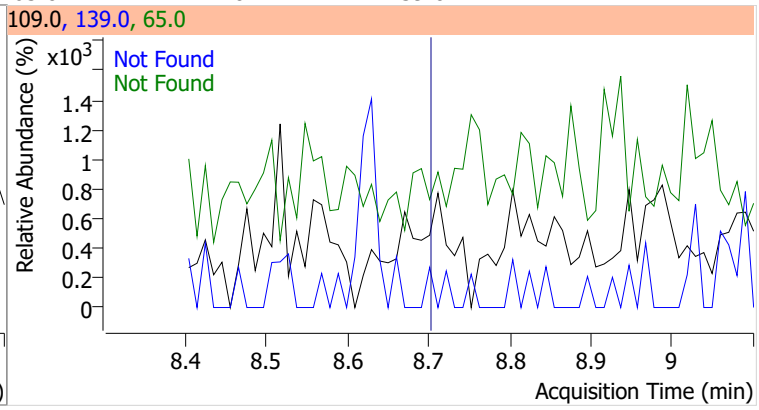
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene		0		0	89.0		55.4	102.9
					63.0		33.9	62.9



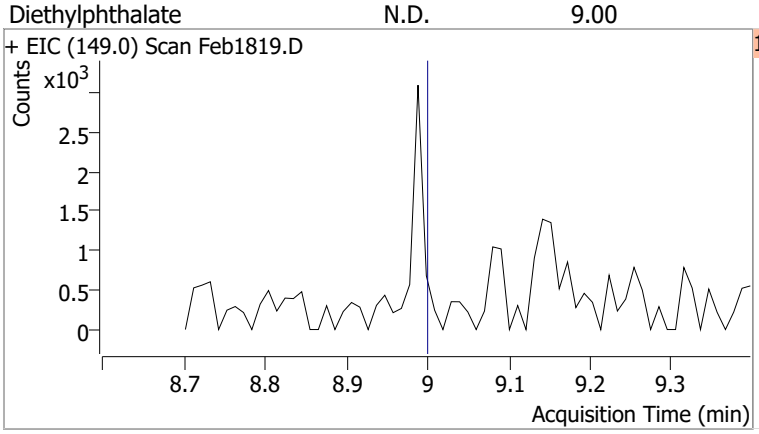


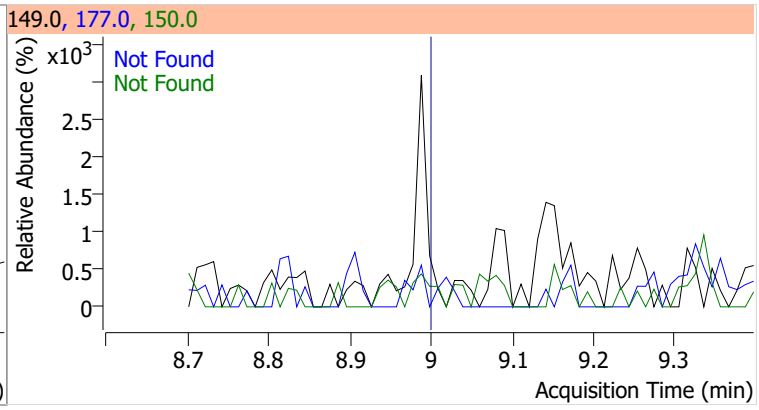
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



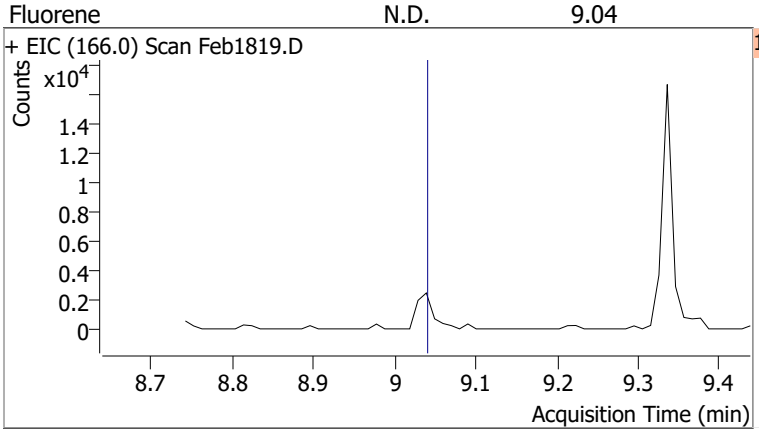


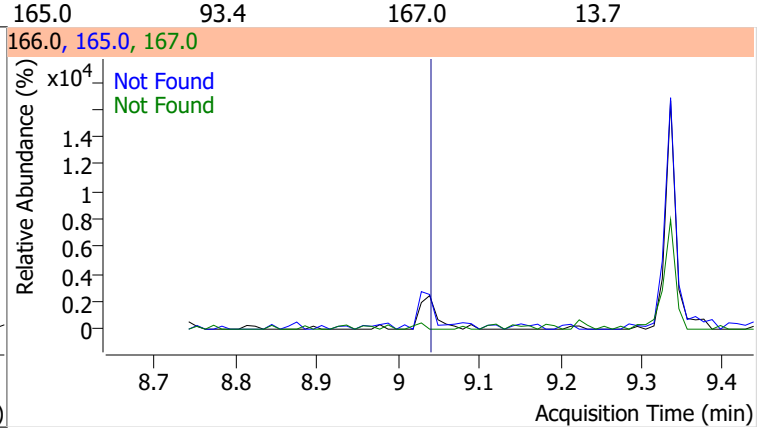
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



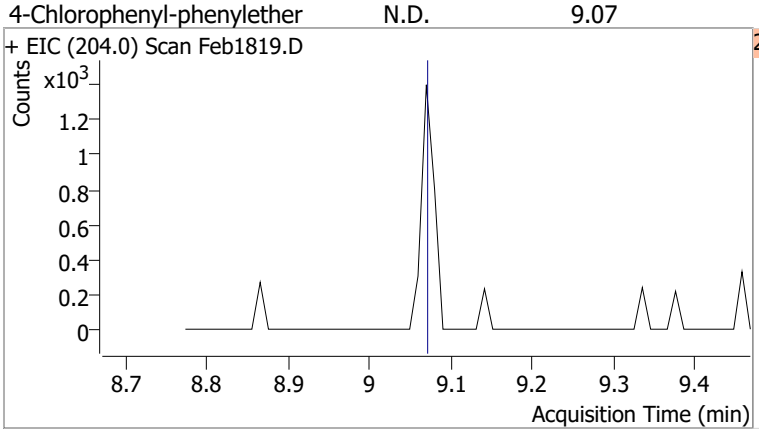


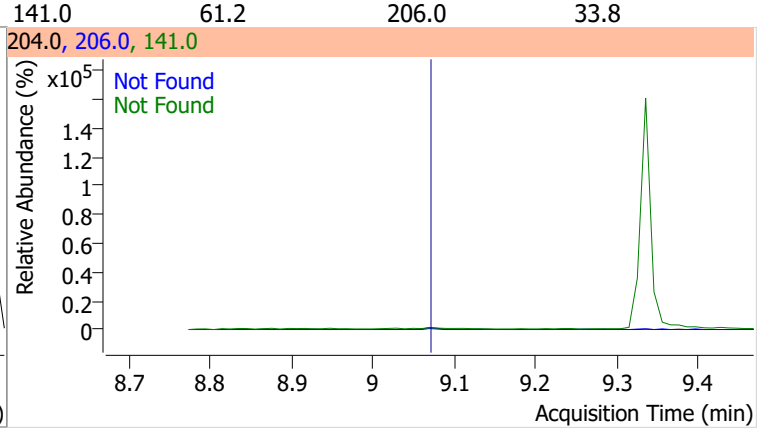
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



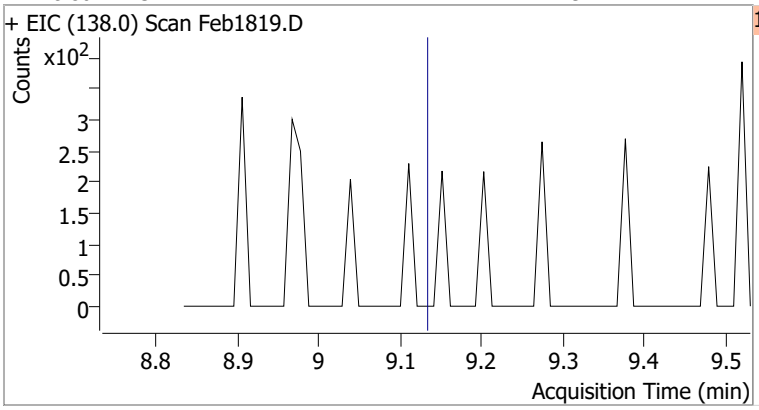


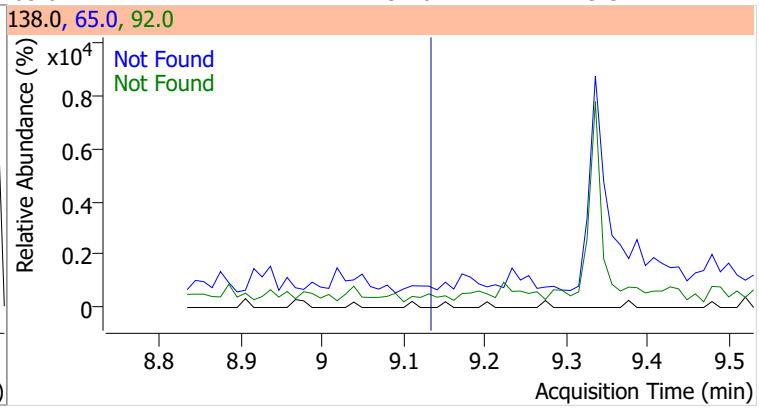
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



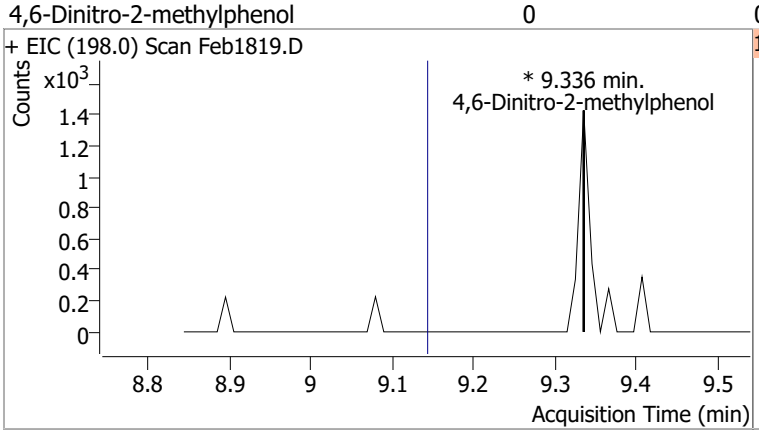


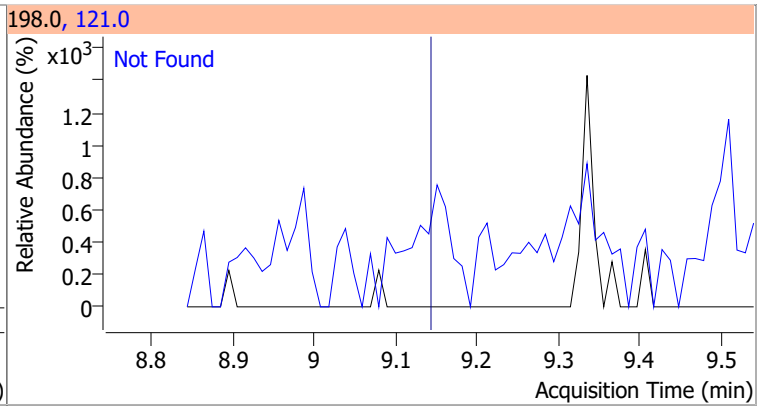
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



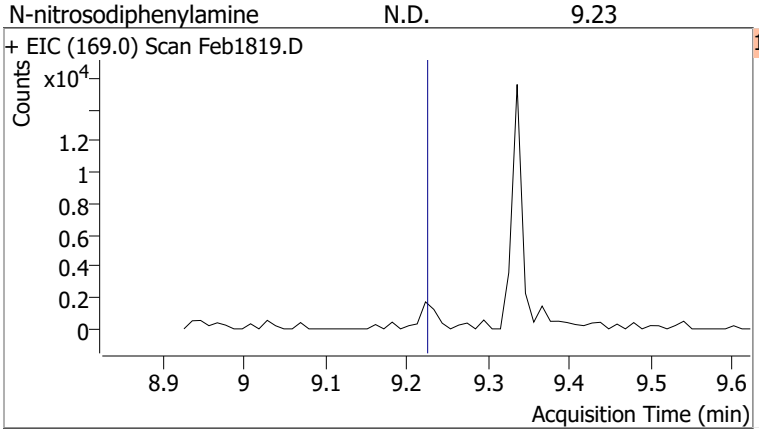


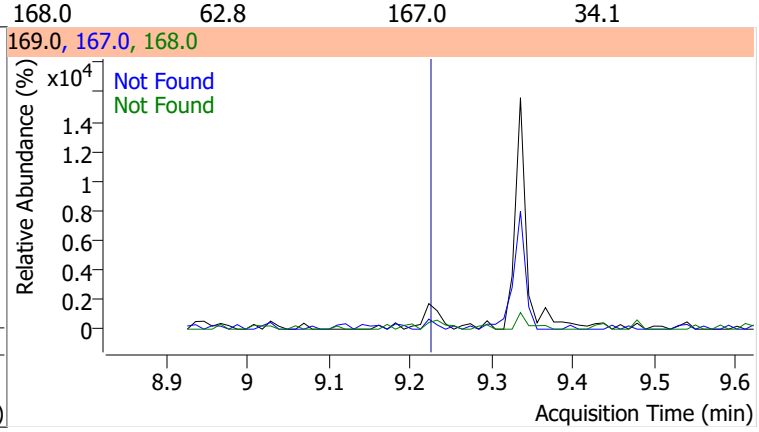
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



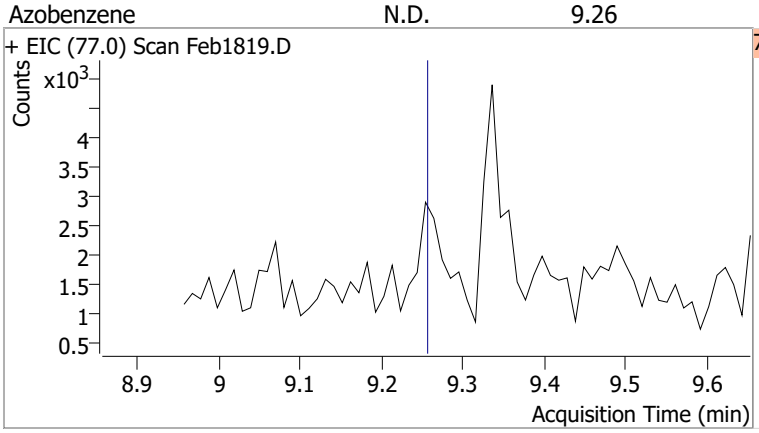


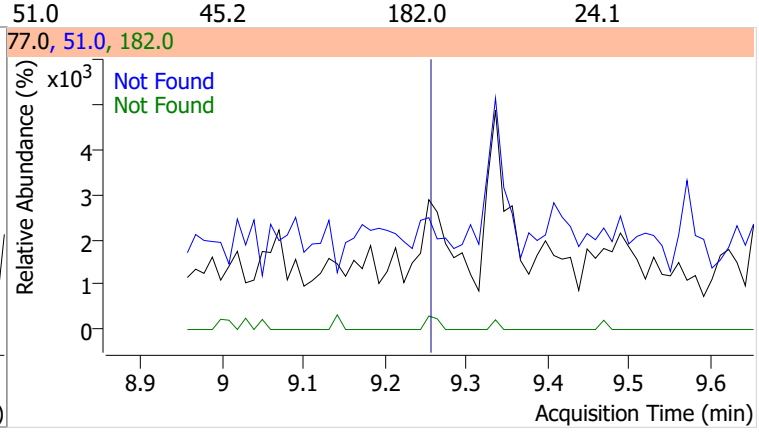
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1





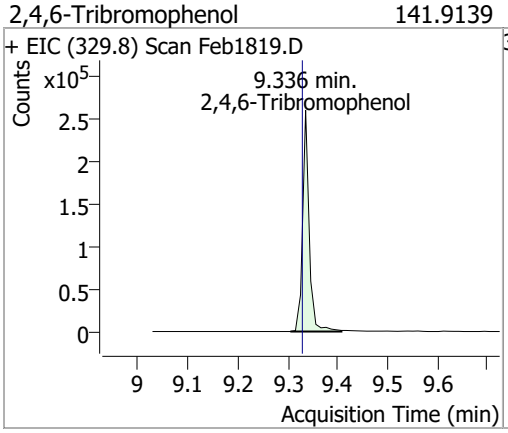
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

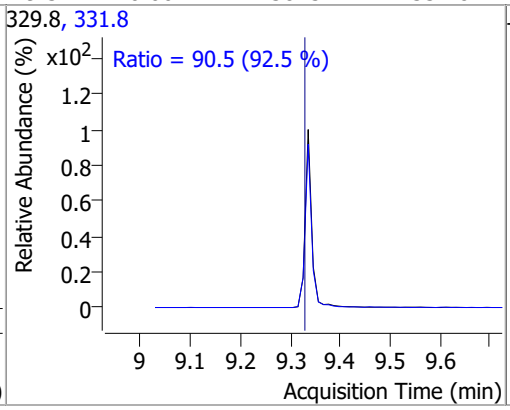


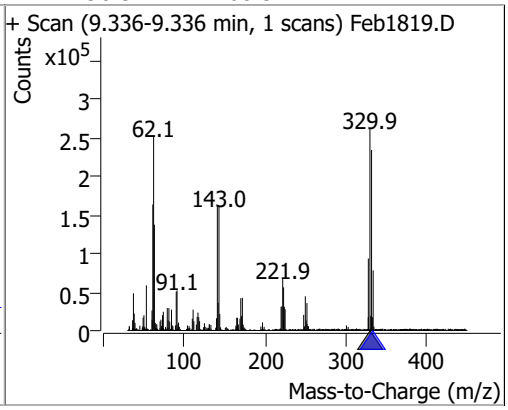


Quantitation Results Report (QT Reviewed)

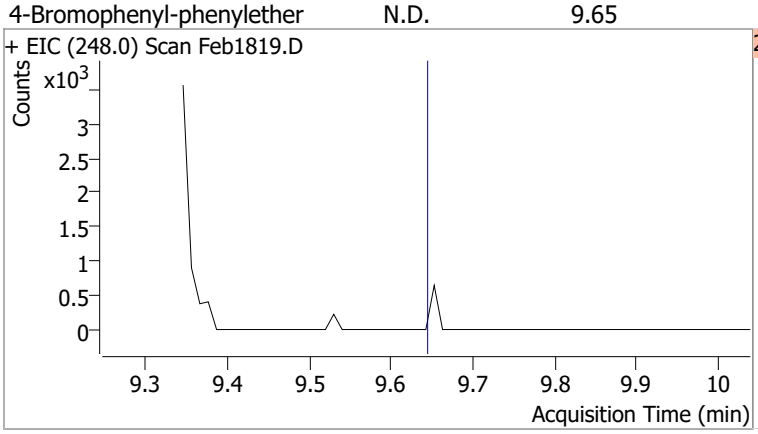
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	141.9139	9.34	0.00	238751	331.8	90.5	68.5	127.2

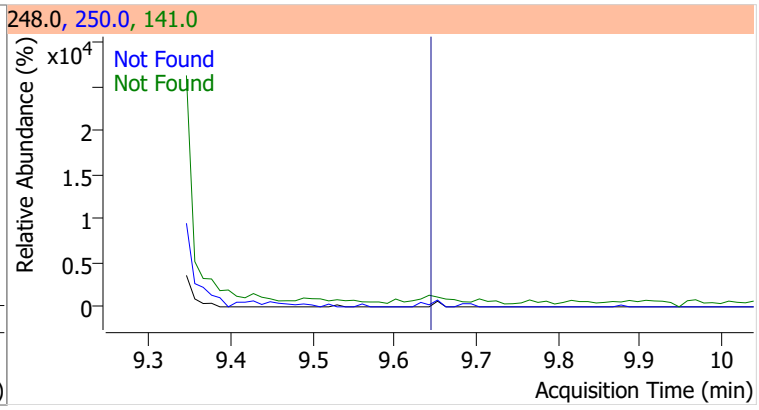




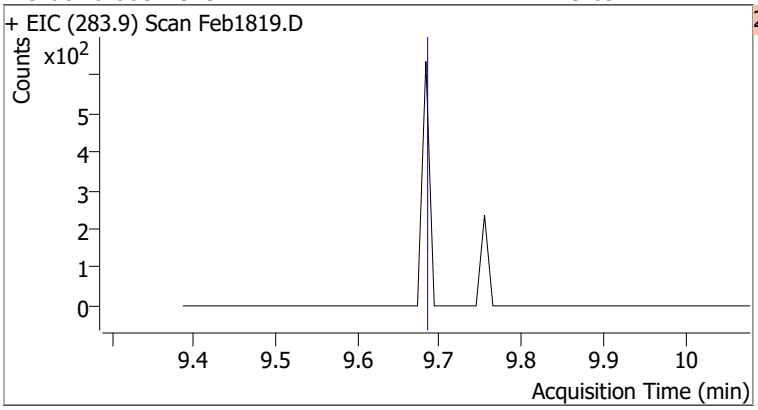


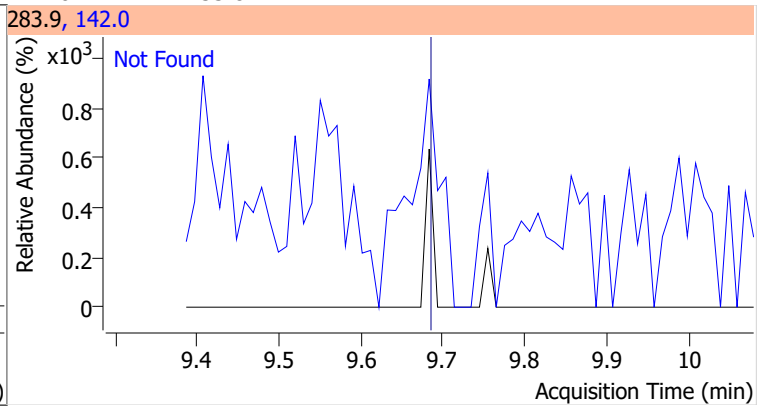
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



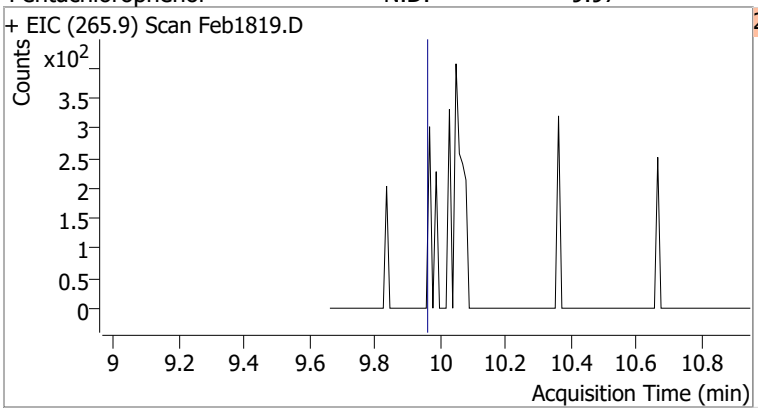


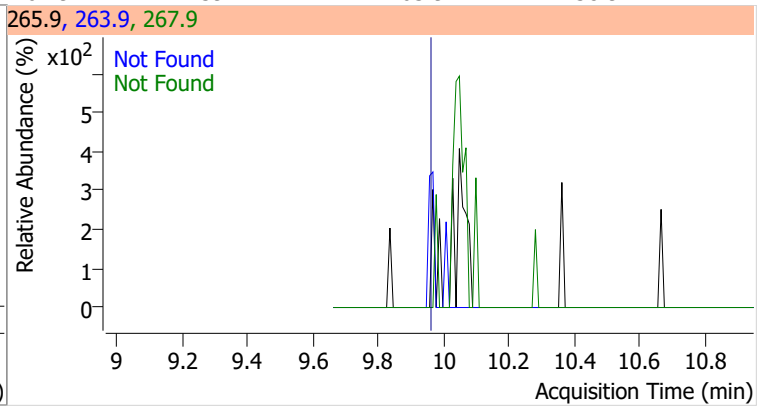
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



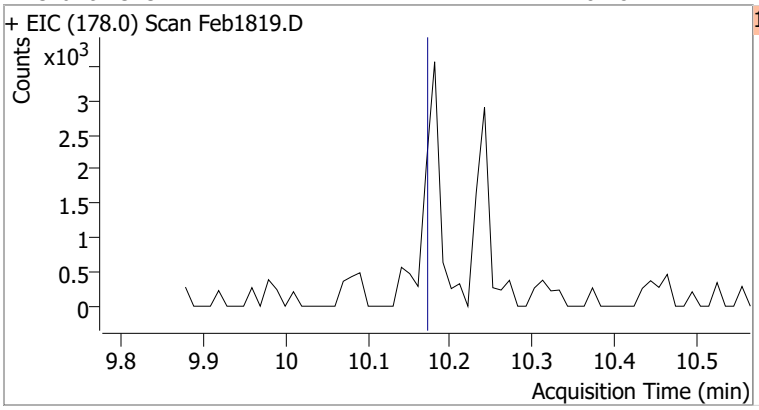


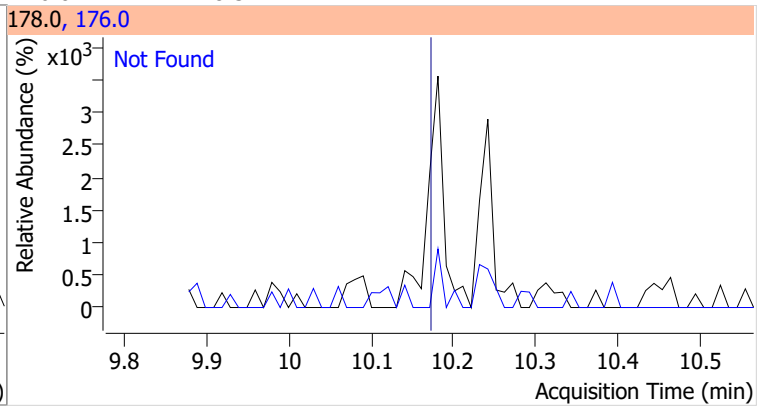
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



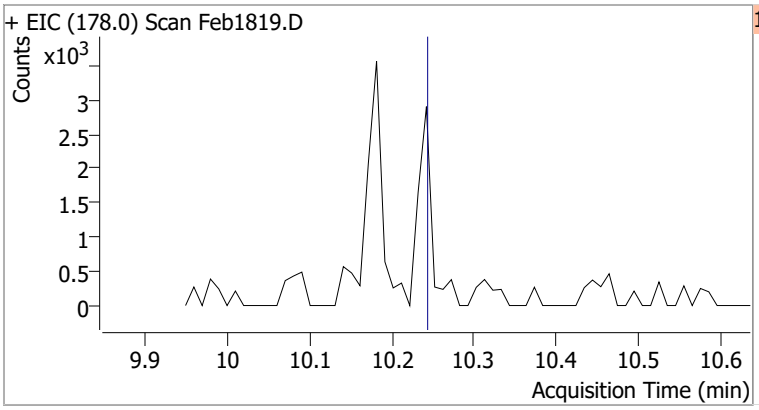


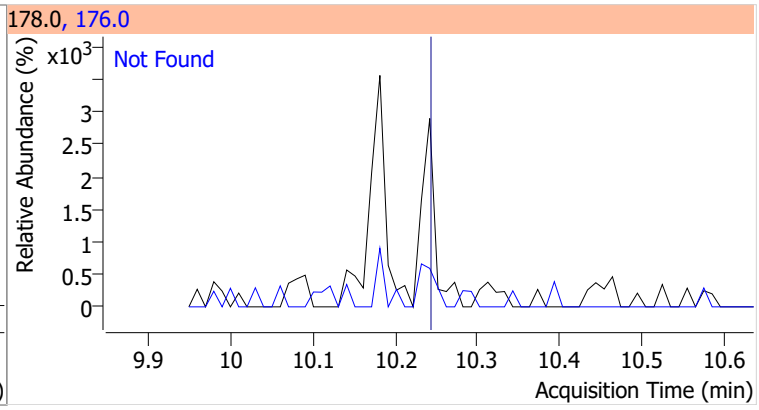
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



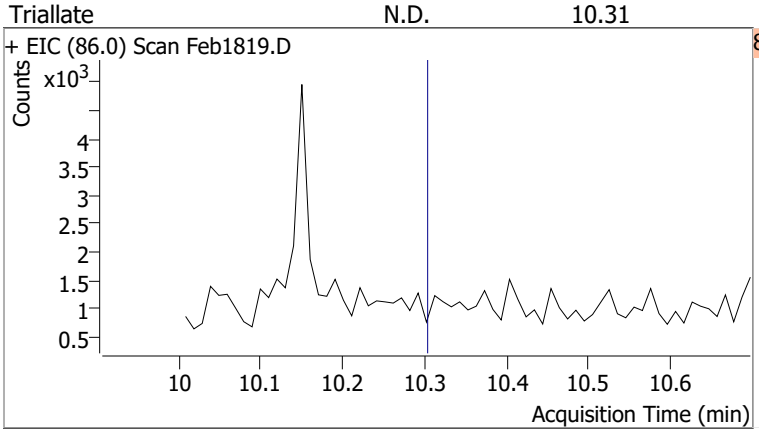


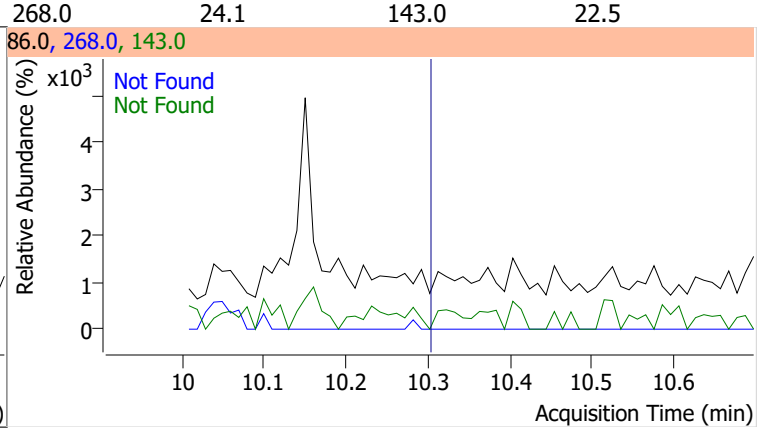
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



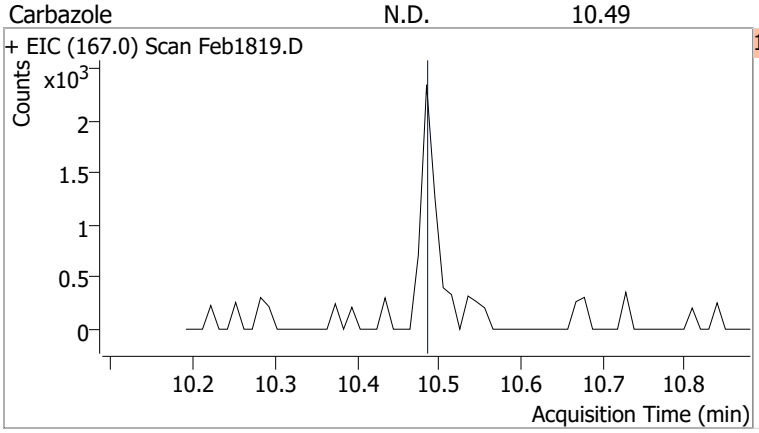


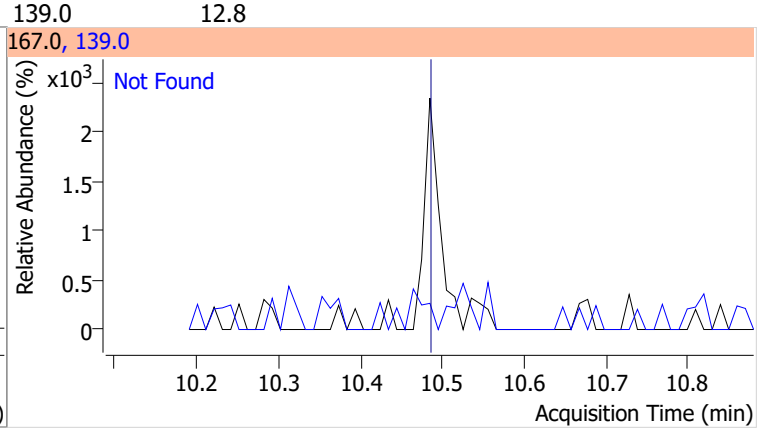
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



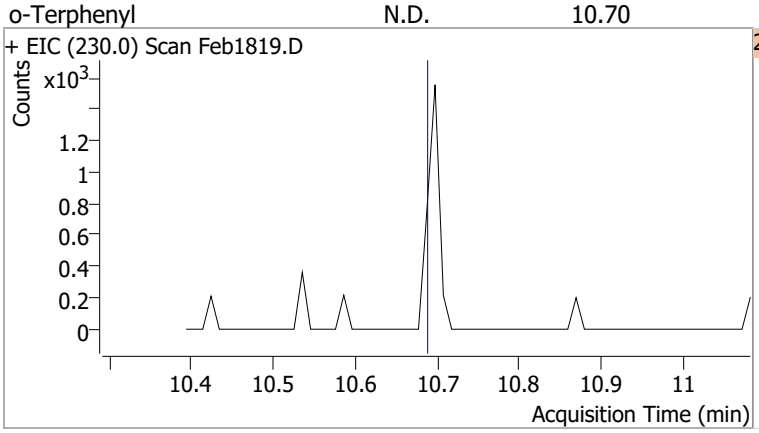


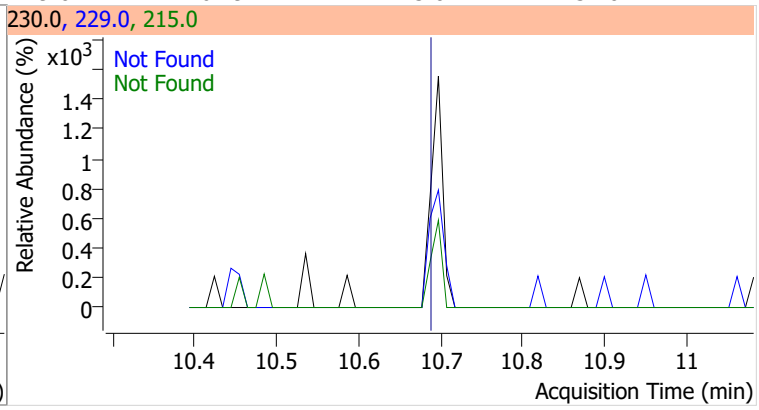
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



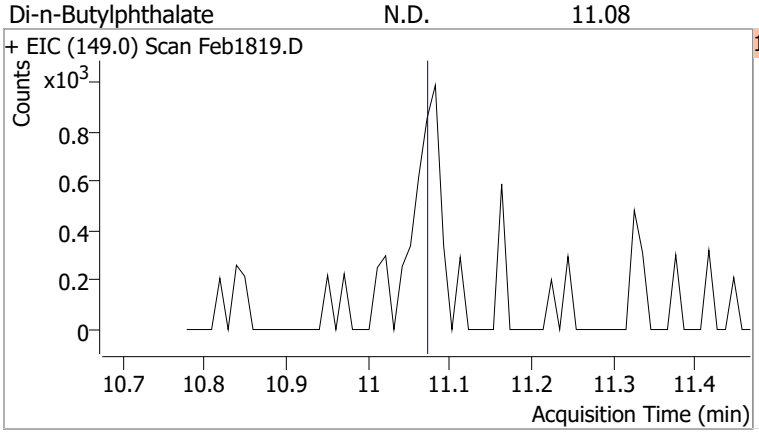


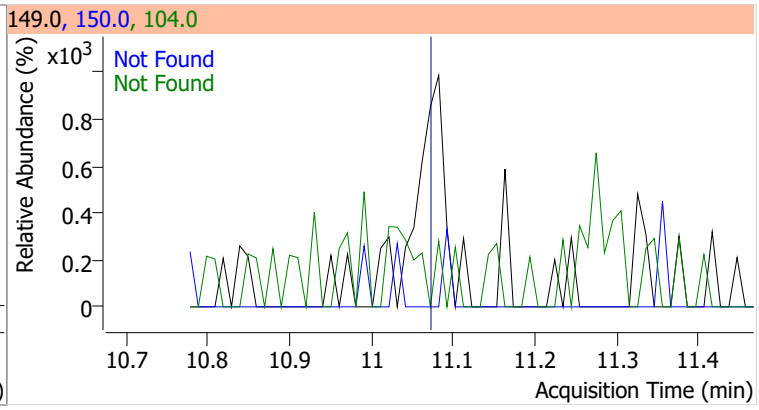
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



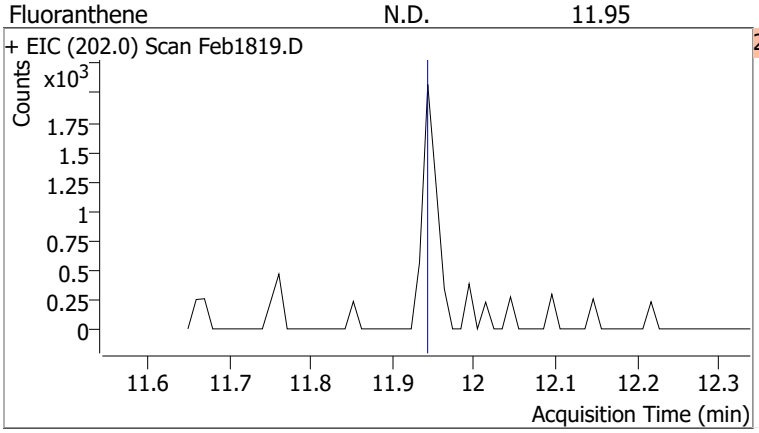


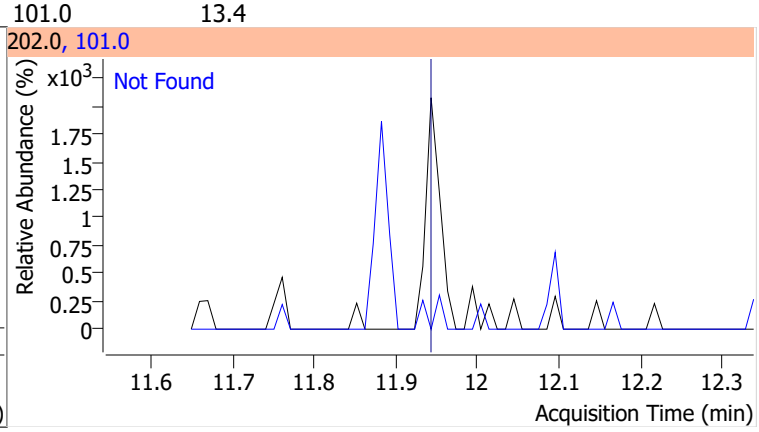
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



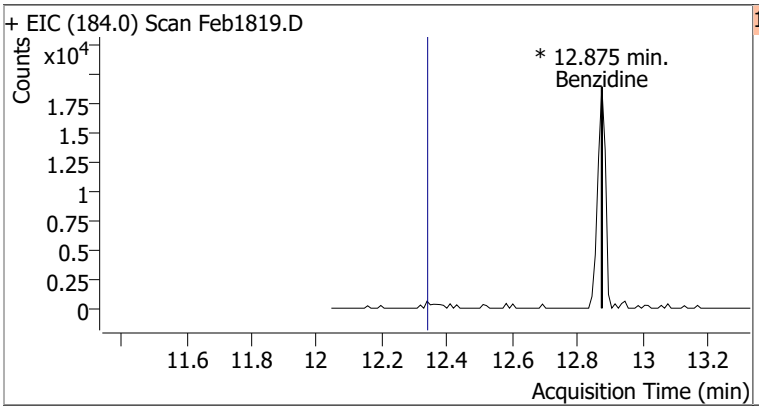


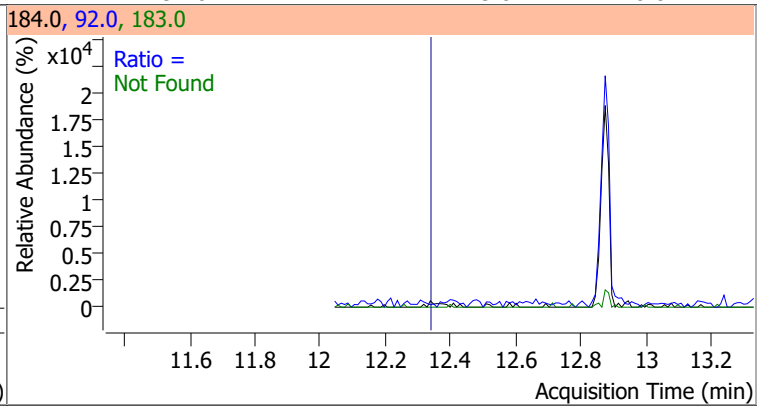
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



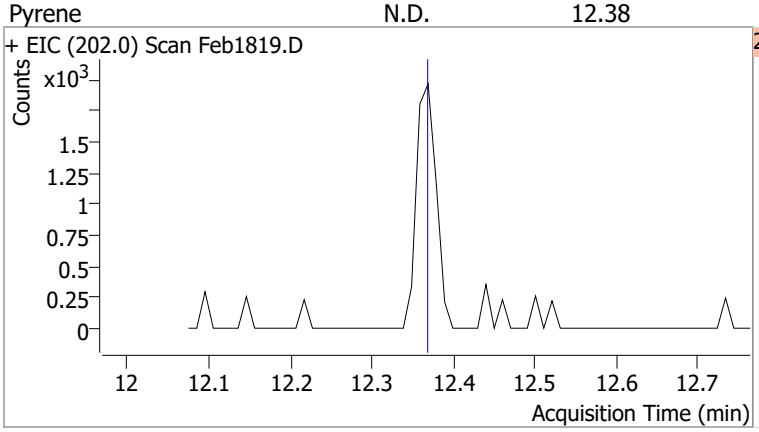


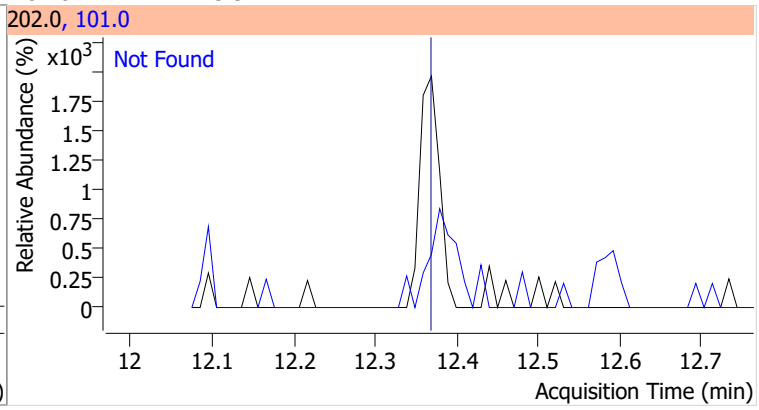
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



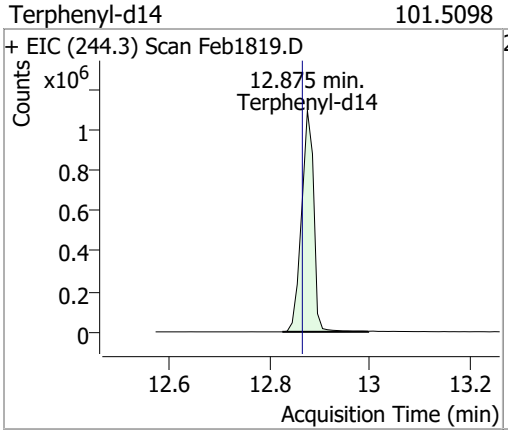


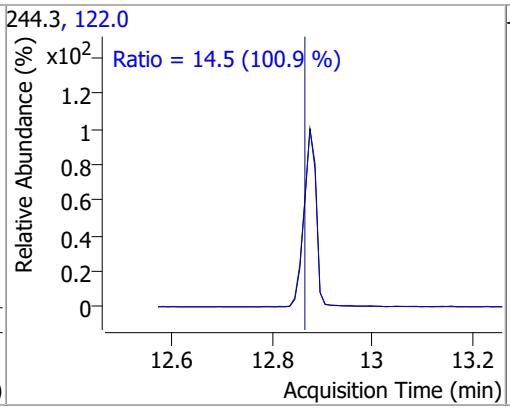
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

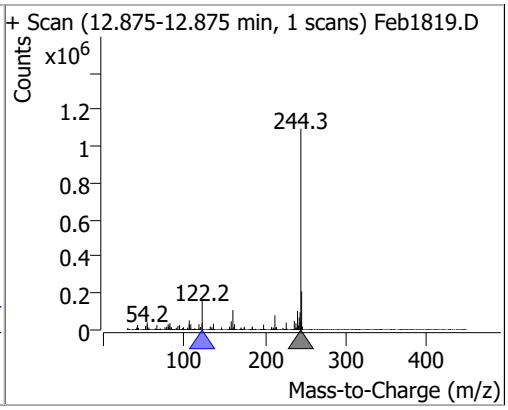




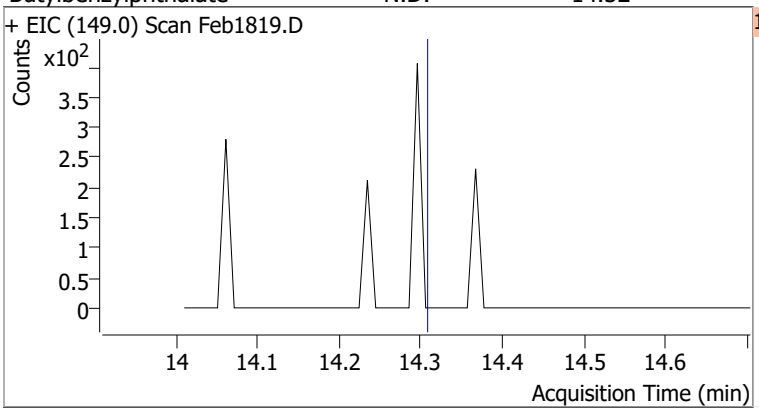
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	101.5098	12.88	0.00	1862114	122.0	14.5	10.1	18.7

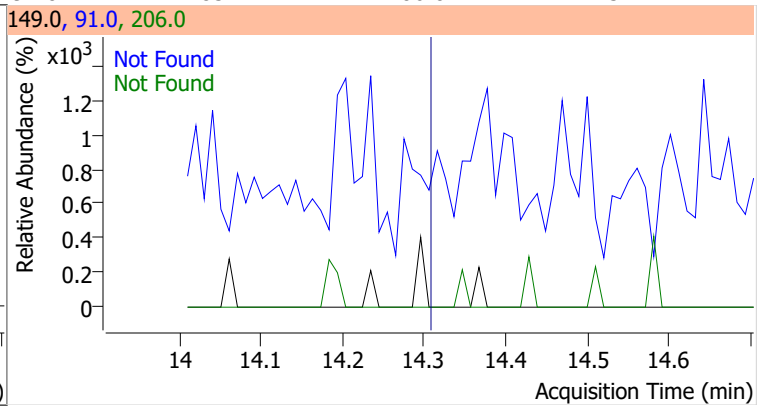




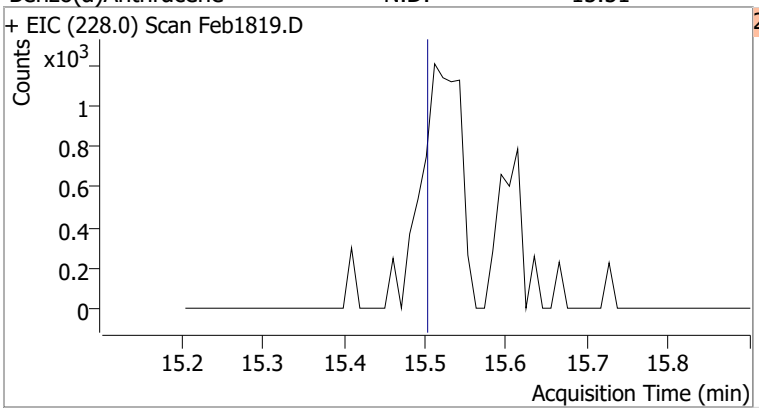


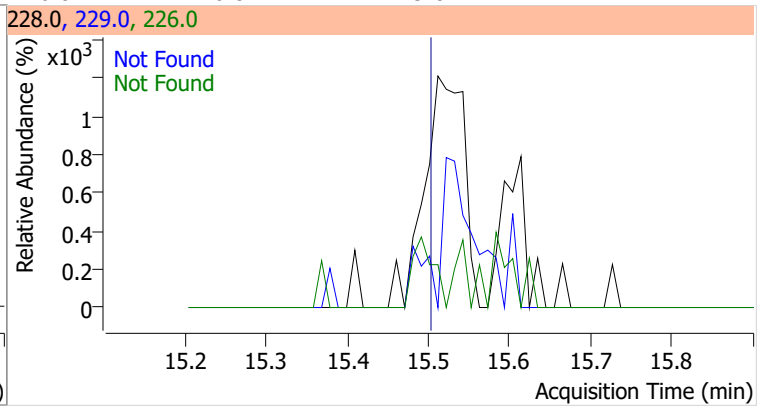
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



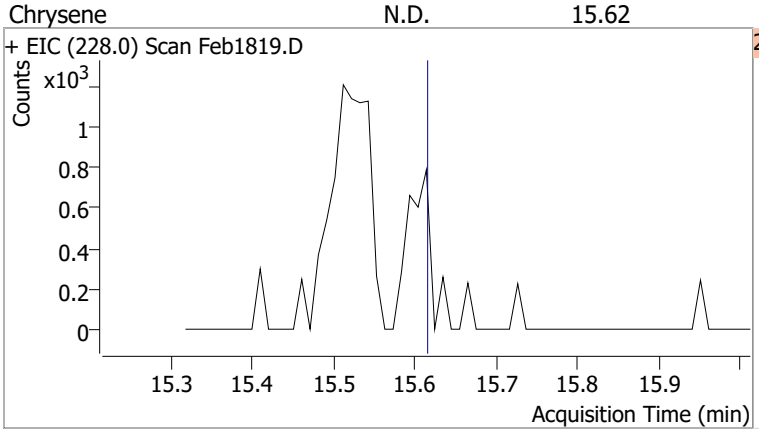


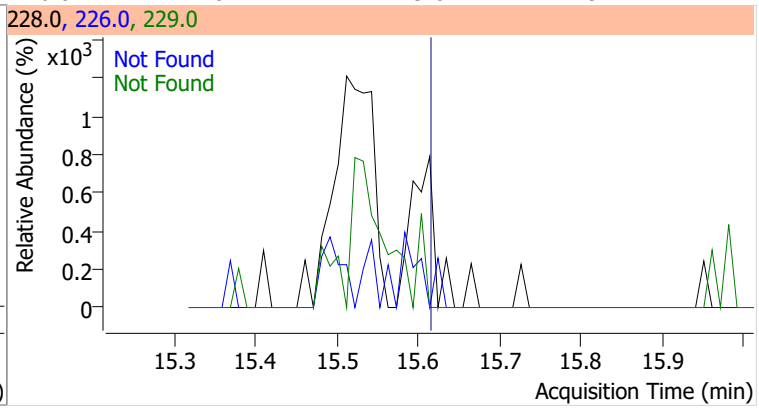
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



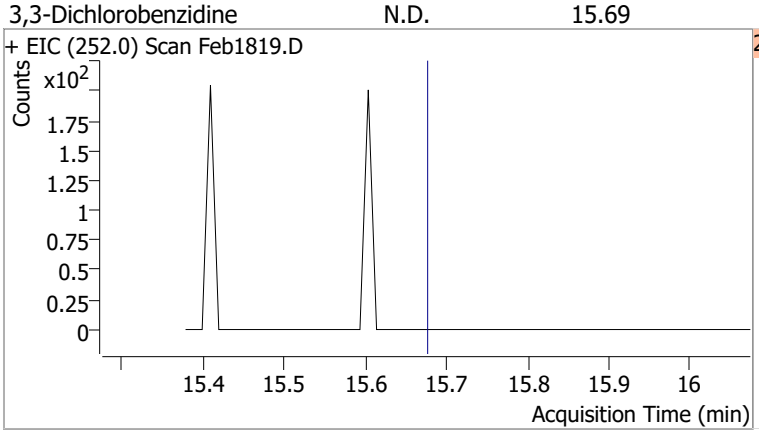


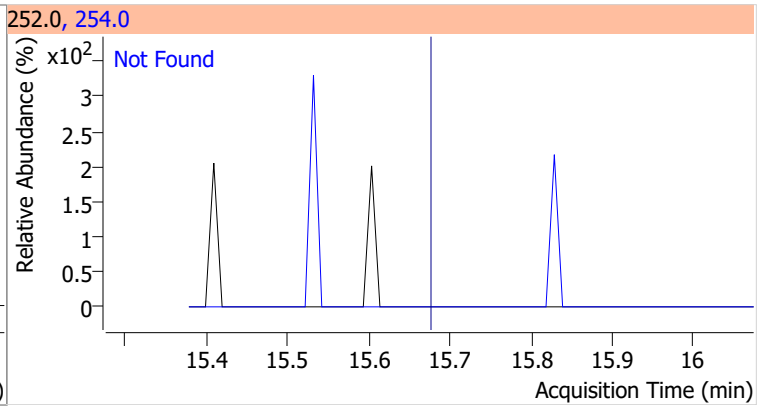
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



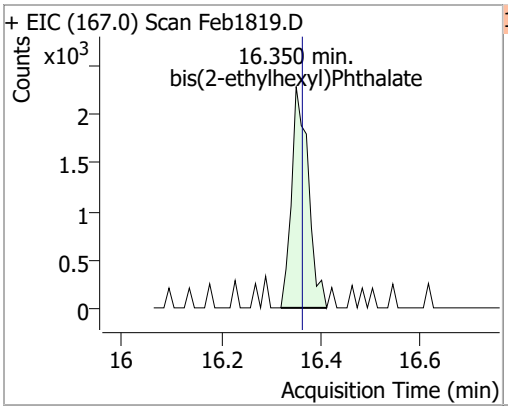


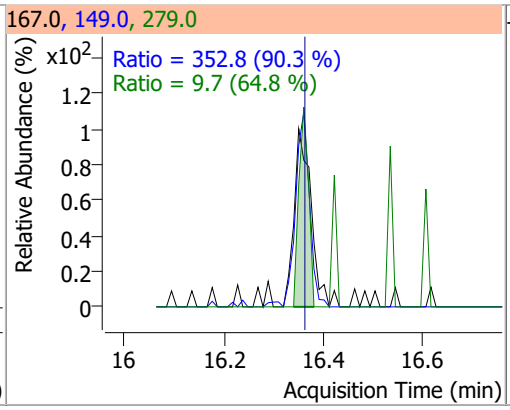
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2

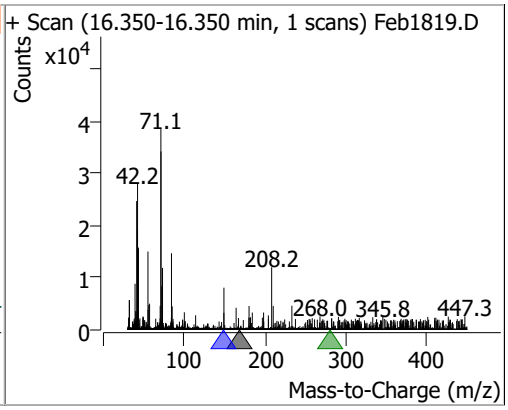




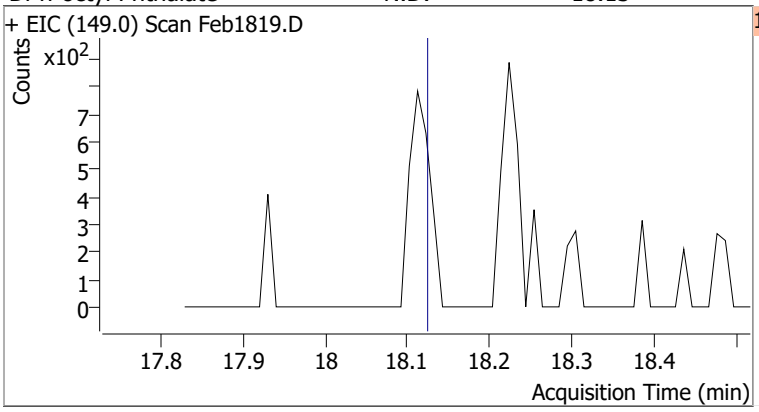
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	3.2424	16.35	-0.02	5389	149.0	352.8	273.6	508.0
					279.0	9.7	10.5	19.5

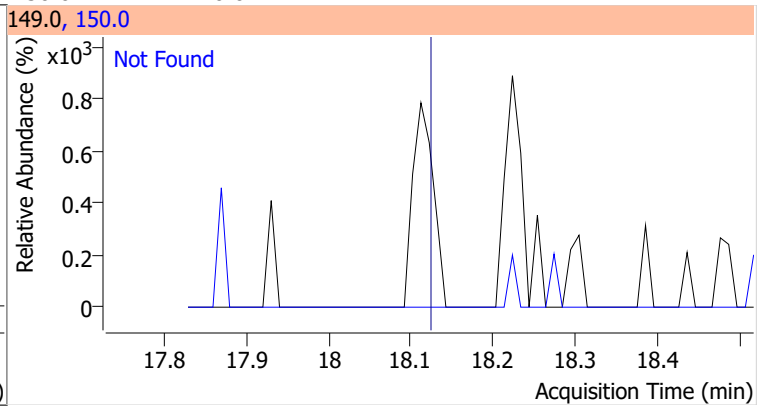




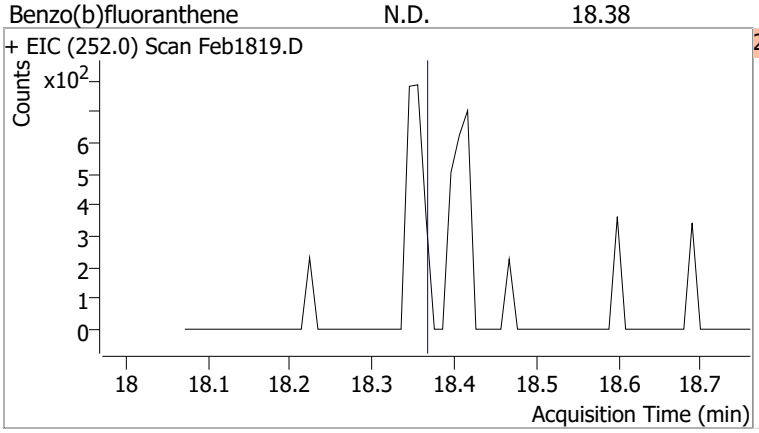


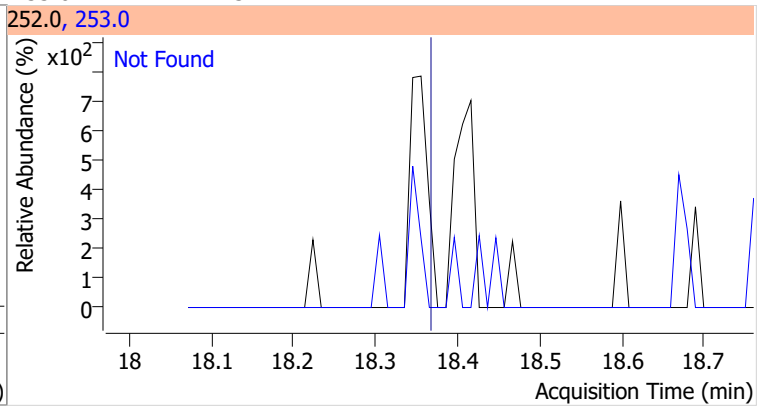
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



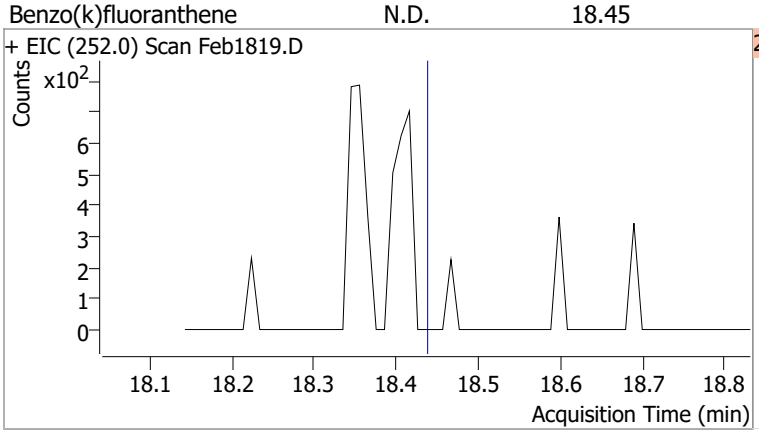


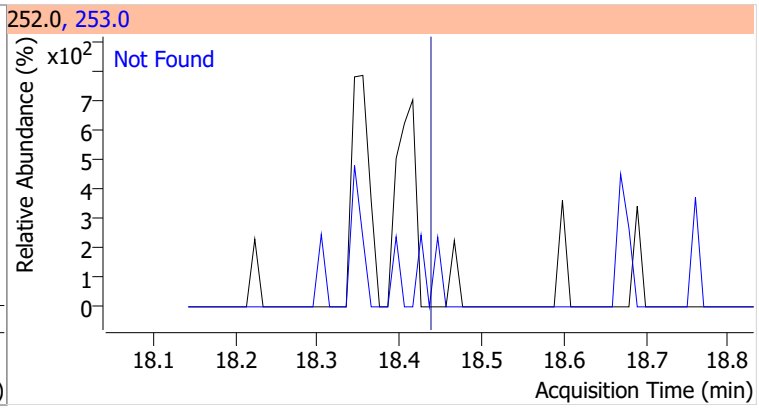
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



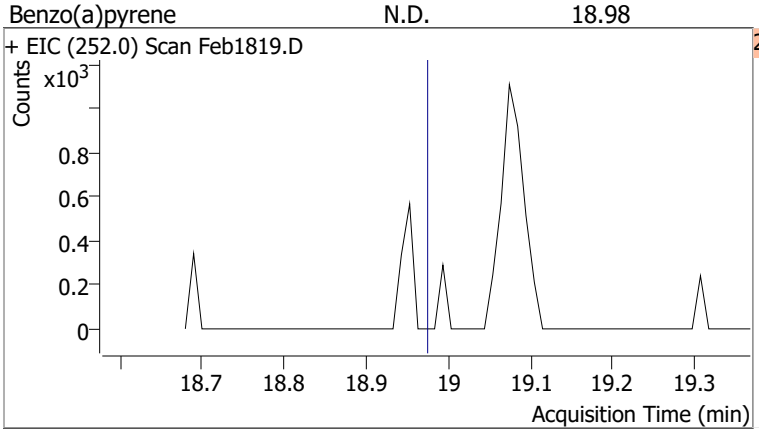


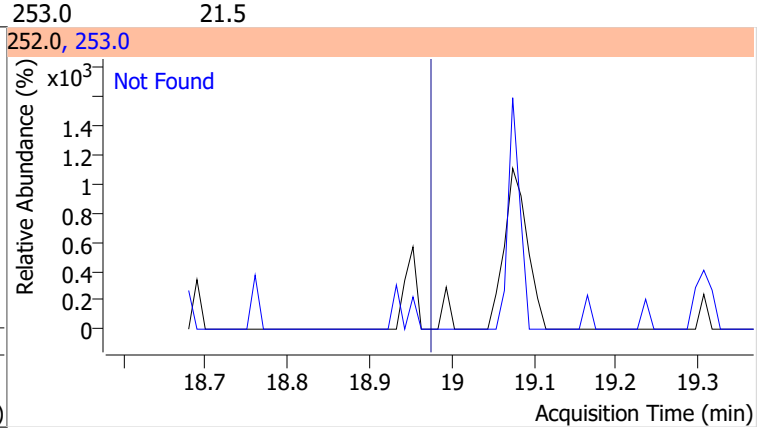
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



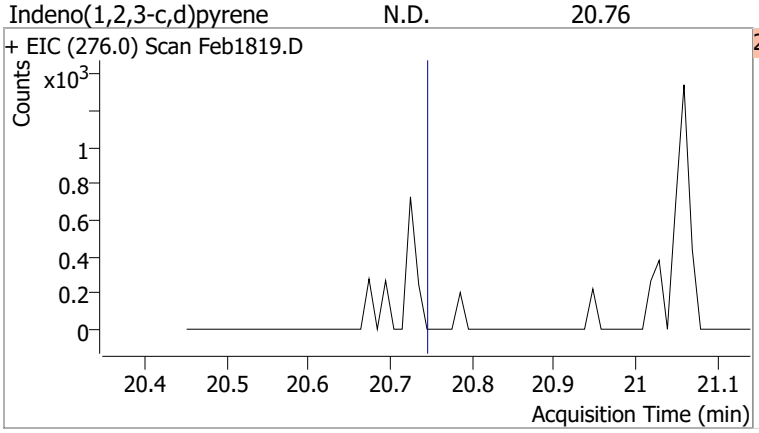


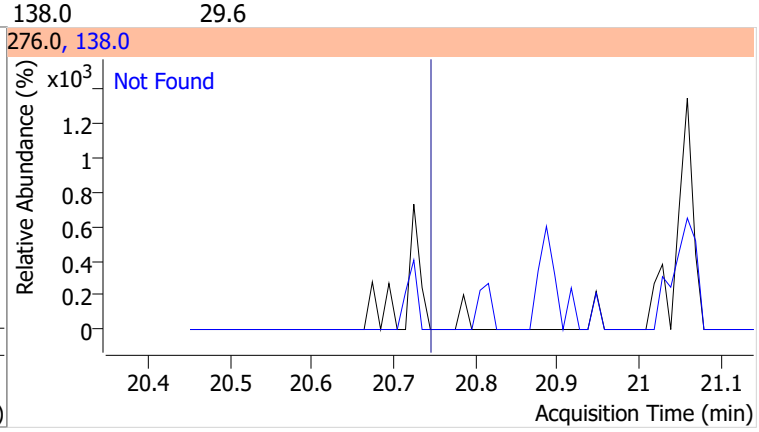
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



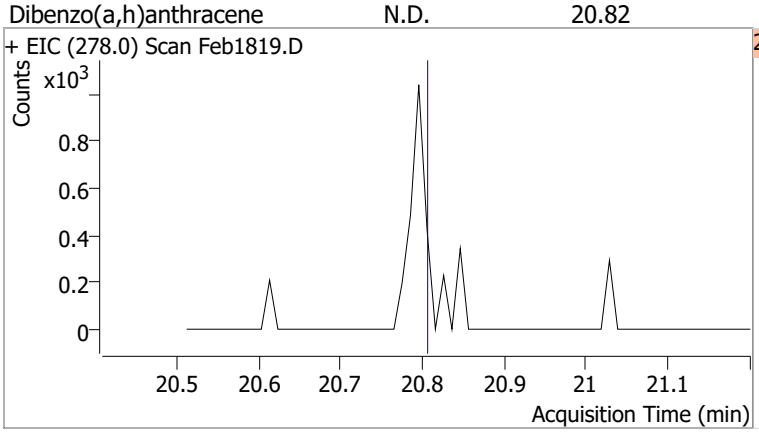


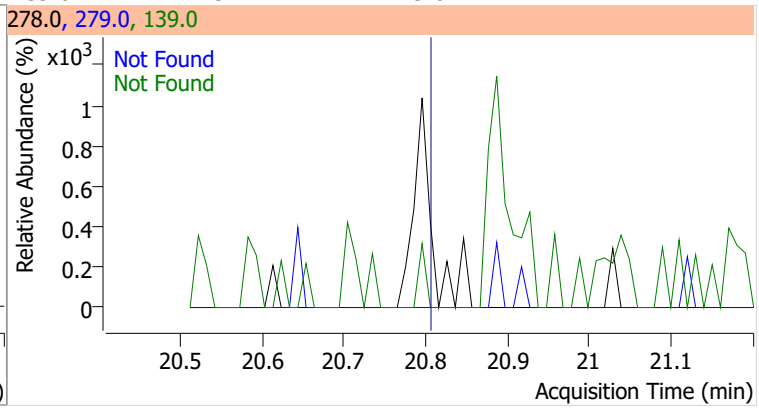
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



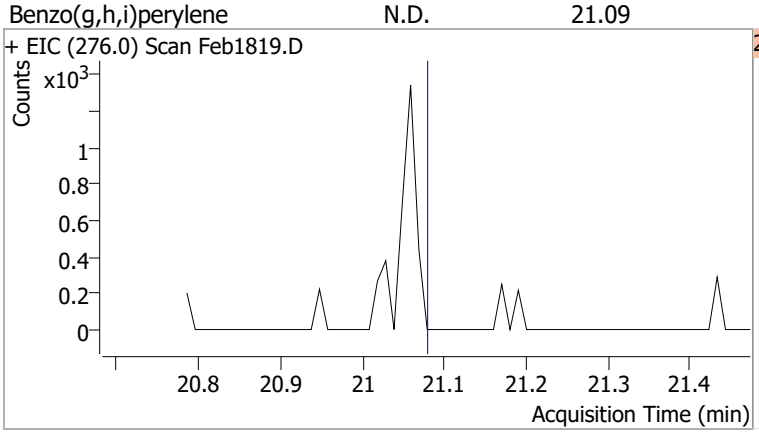


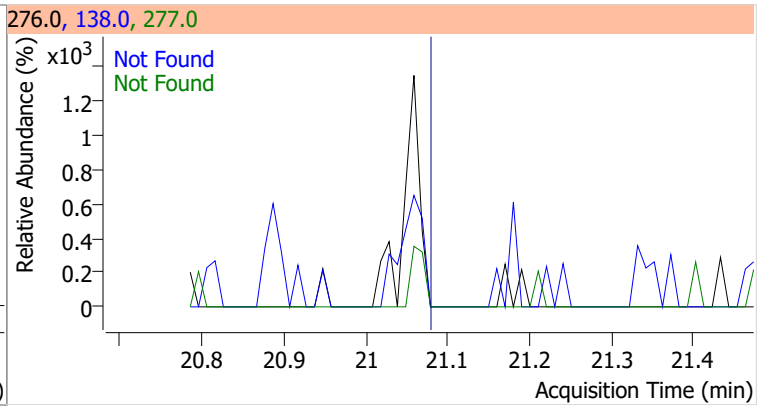
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





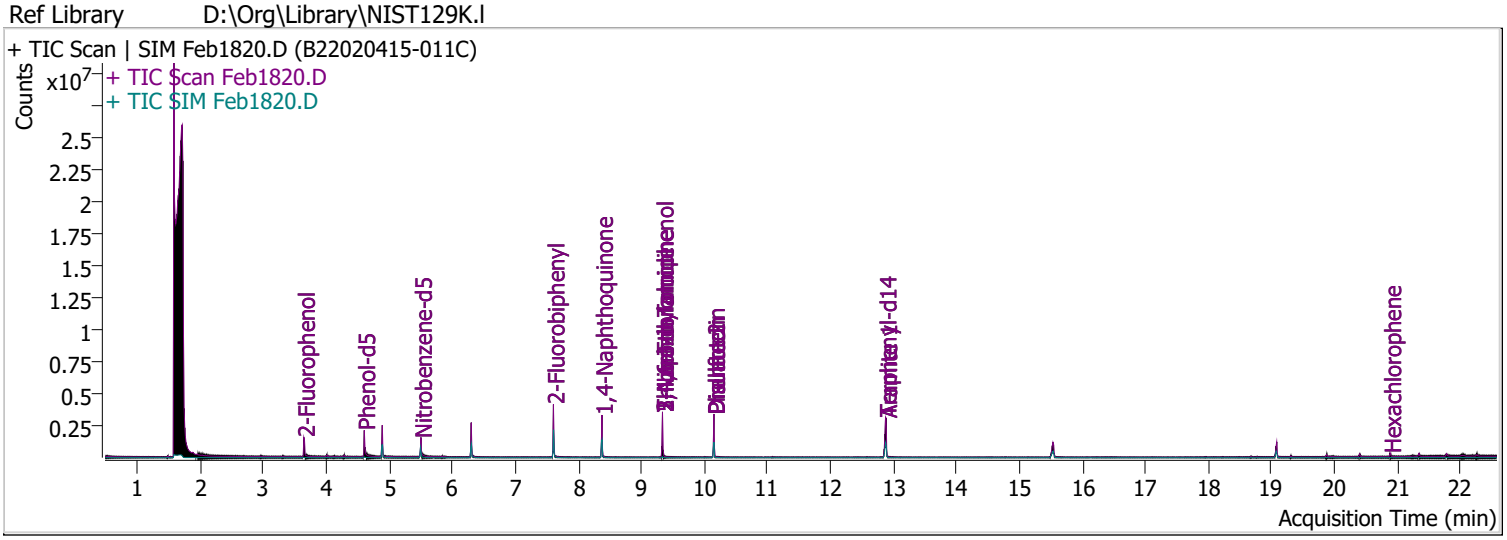
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1820.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 6:15:23 PM
Sample Name	B22020415-011C	Instrument	Instrument #1
Vial	20	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



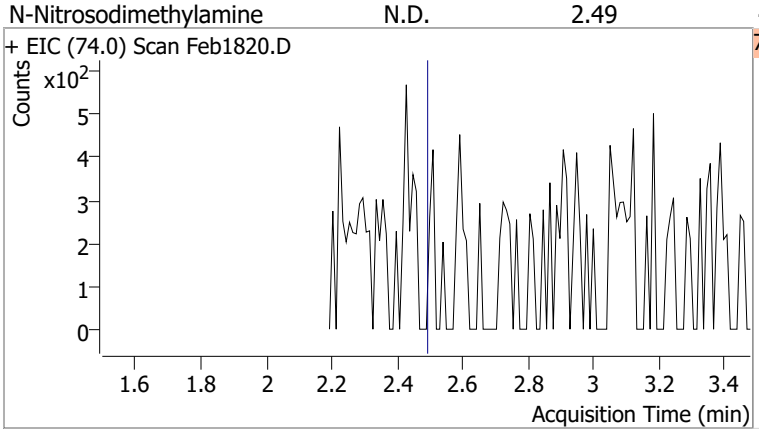
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	575814	61.7869	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 30.89%			
S Phenol-d5	4.603	99.0	708556	58.5025	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 29.25%			
S Nitrobenzene-d5	5.502	82.0	399430	59.6724	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 59.67%			
S 2-Fluorobiphenyl	7.605	172.0	1165516	58.8061	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 58.81%			
S 2,4,6-Tribromophenol	9.336	329.8	265856	147.8680	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 73.93%			
S Terphenyl-d14	12.875	244.3	1939019	100.1463	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 100.15%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	4.889	63.0	0		µg/L	md	1
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

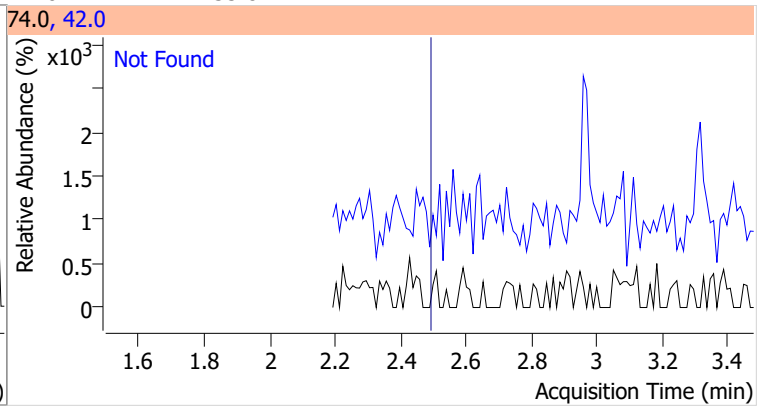
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	6.301	130.0	0		µg/L	md	1
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.885	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

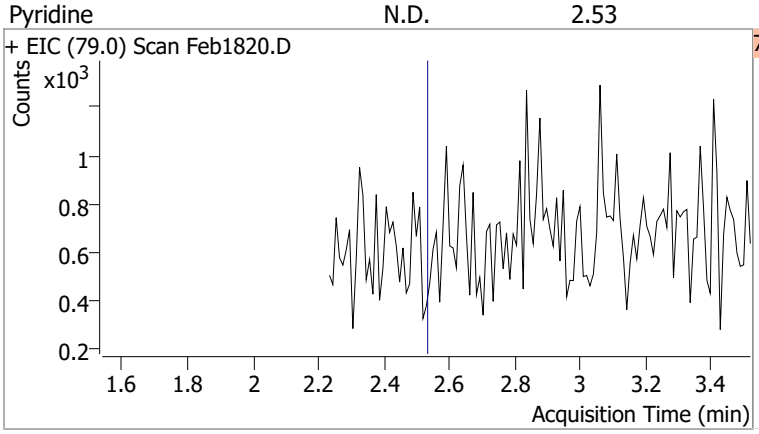
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

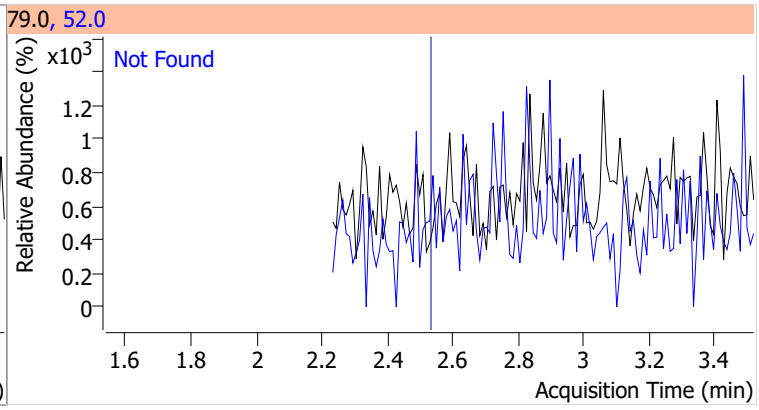
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



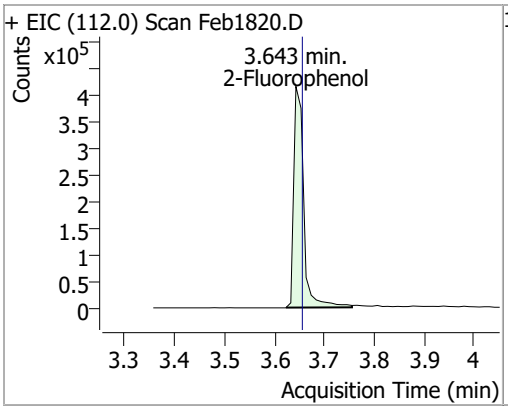


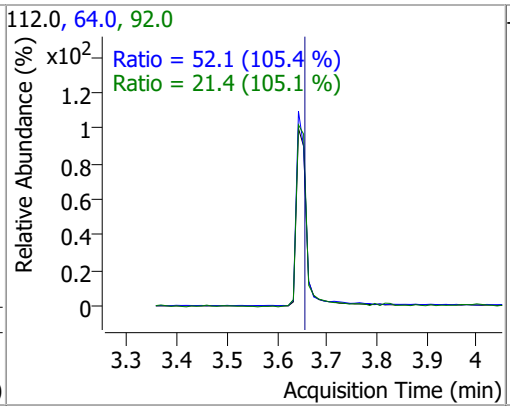
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

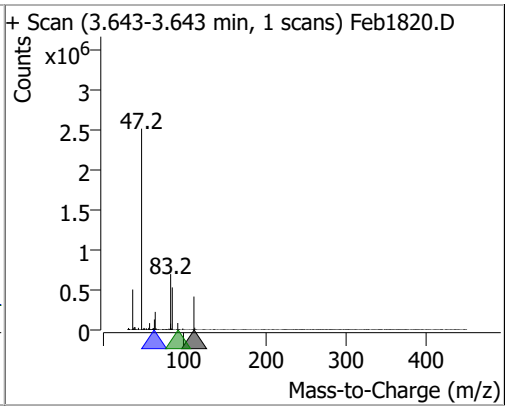




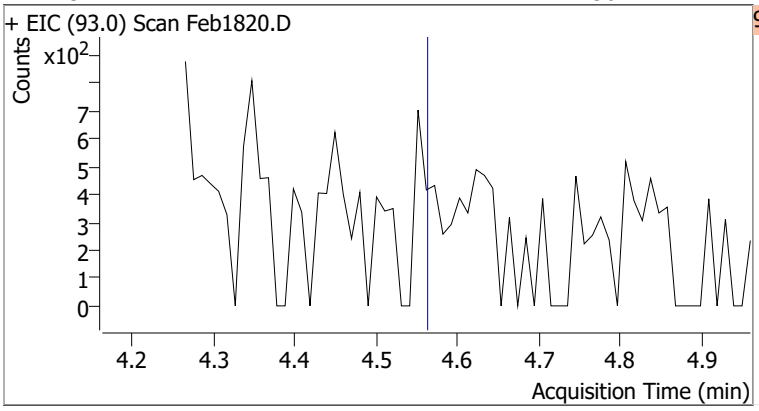
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	61.7869	3.64	-0.01	575814	64.0	52.1	34.6	64.3
					92.0	21.4	14.2	26.5

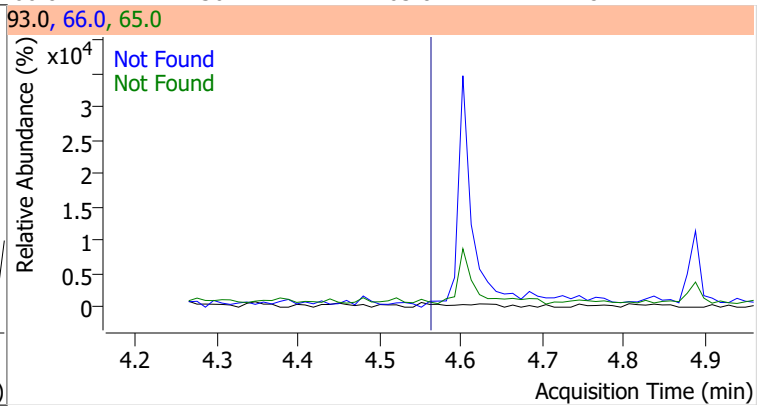




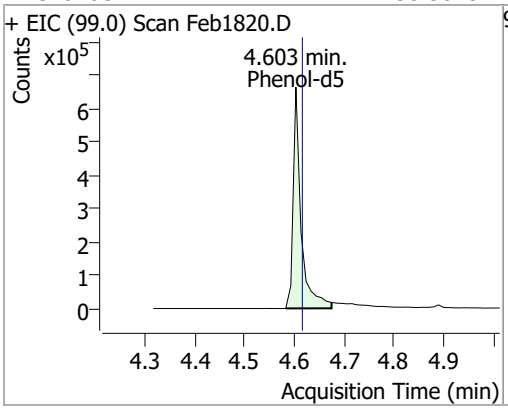


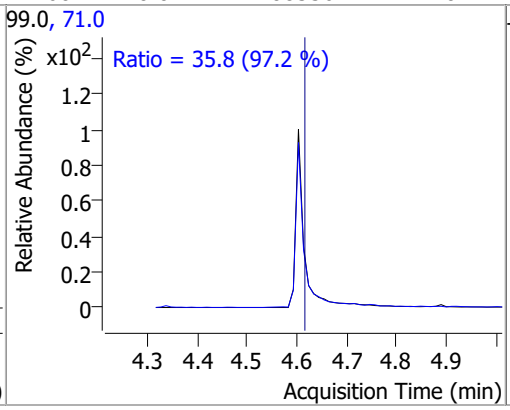
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

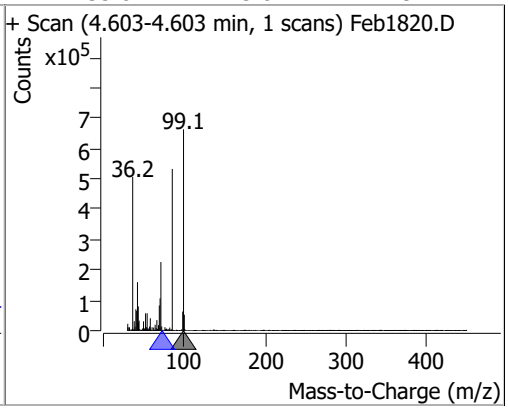




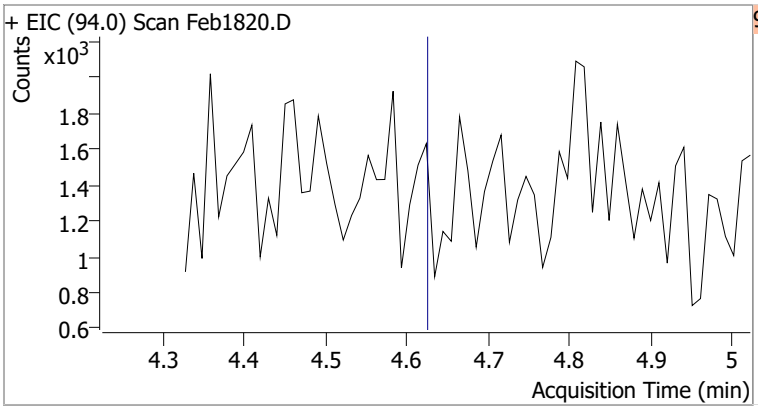
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	58.5025	4.60	-0.01	708556	71.0	35.8	25.8	47.9

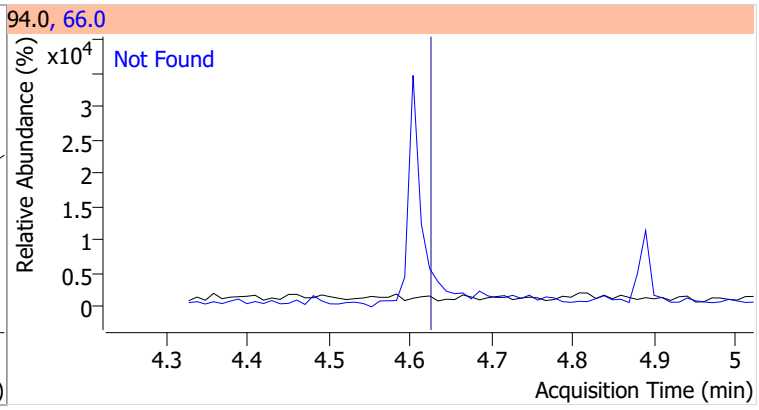




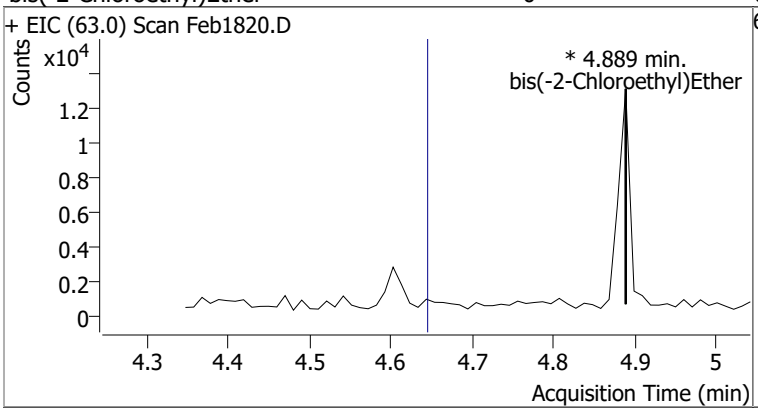


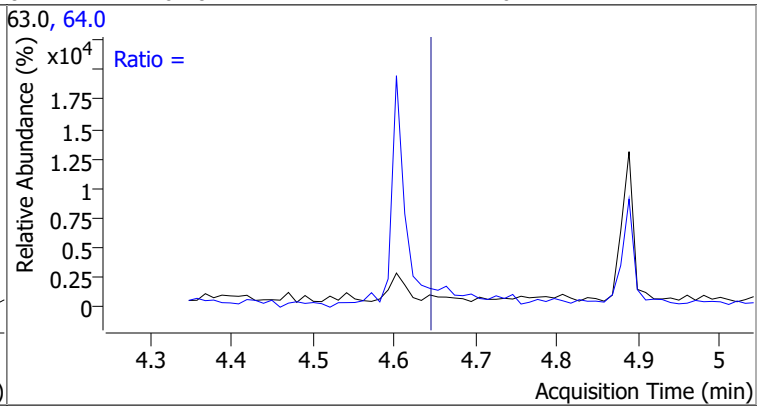
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



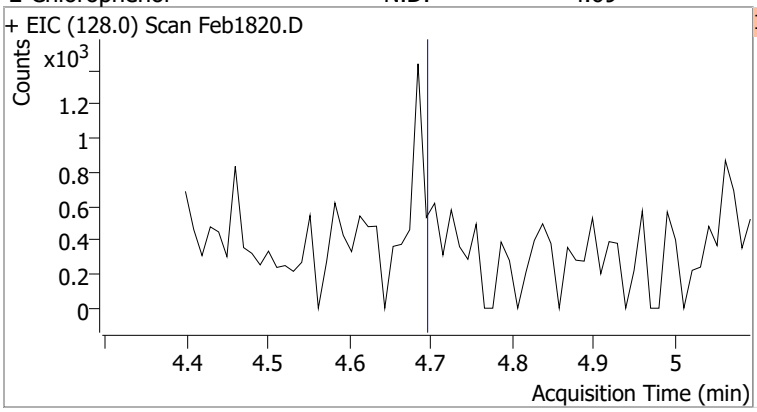


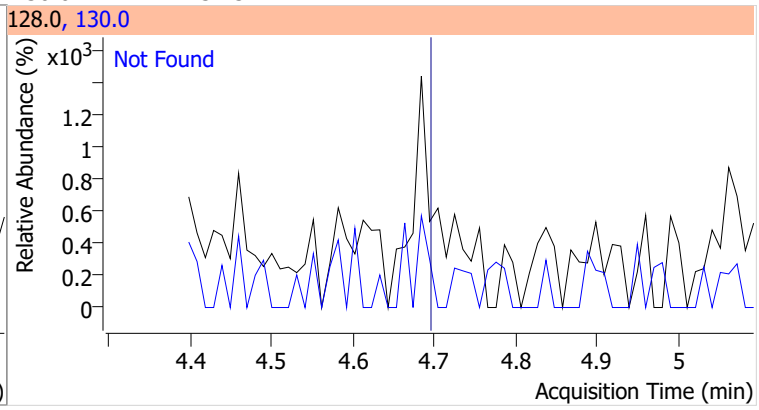
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether		0		0	64.0		7.6	14.1



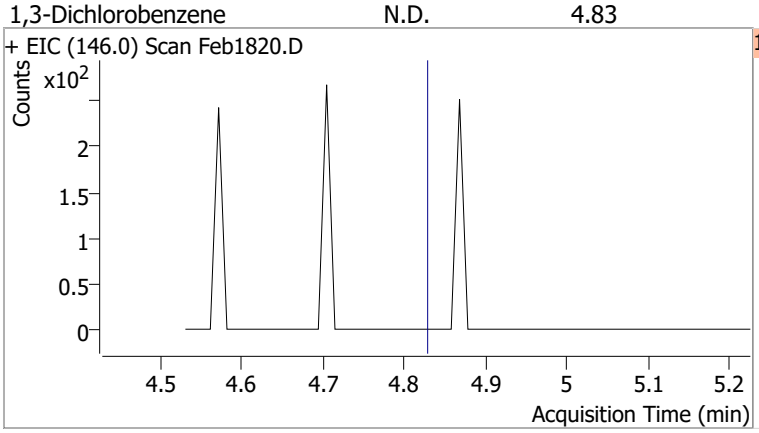


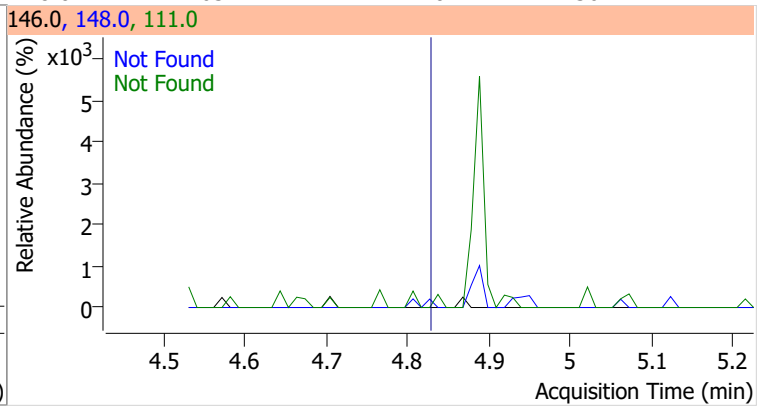
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



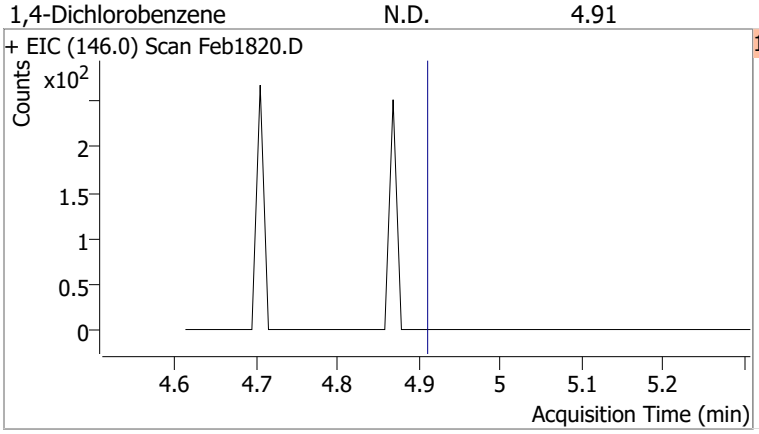


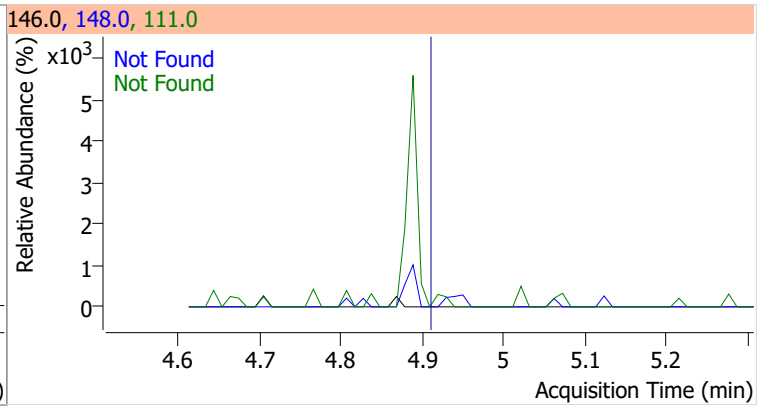
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



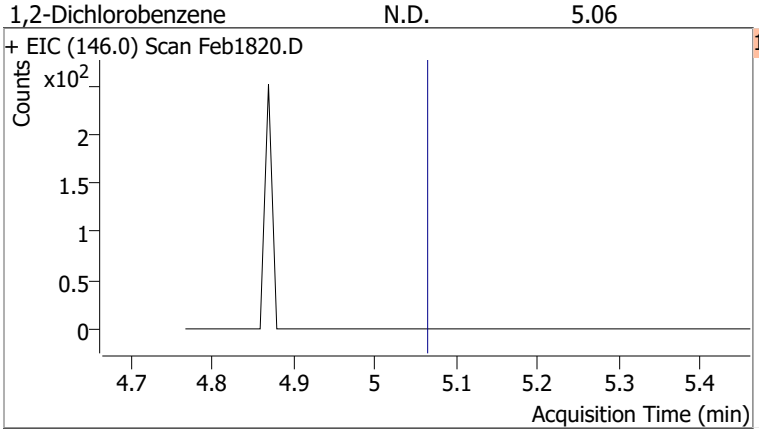


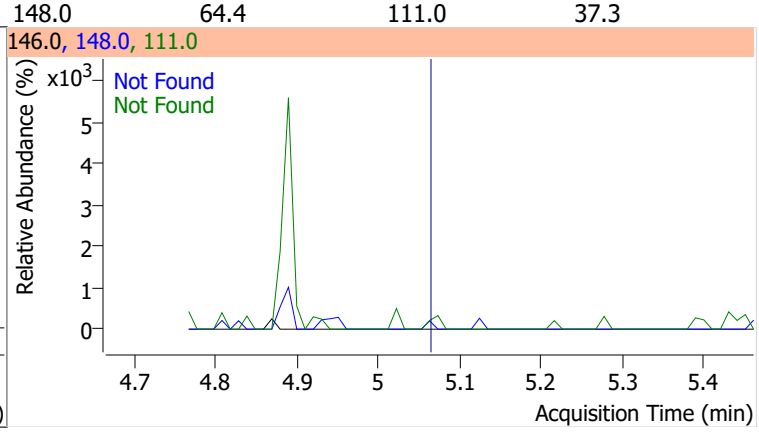
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



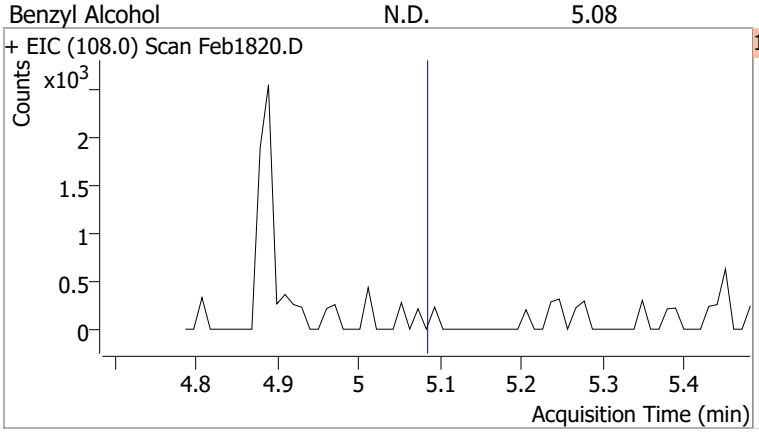


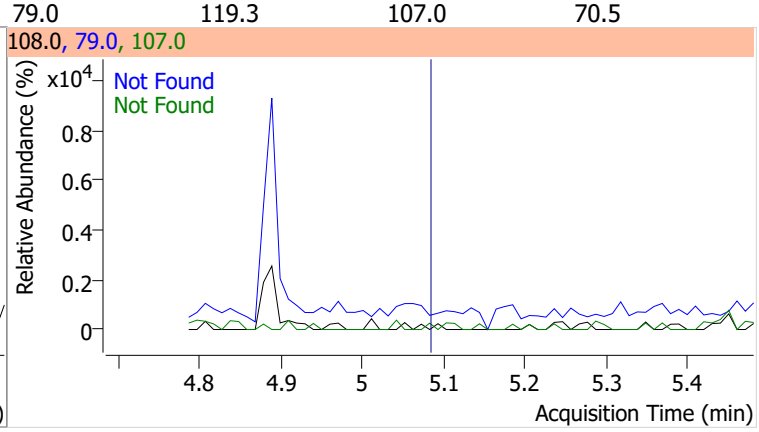
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



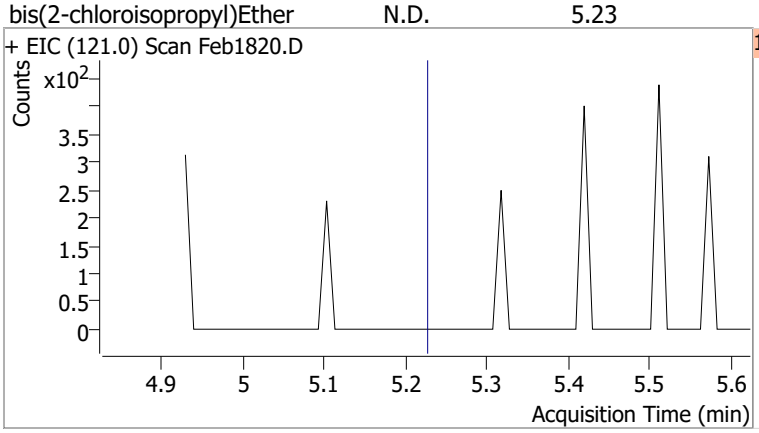


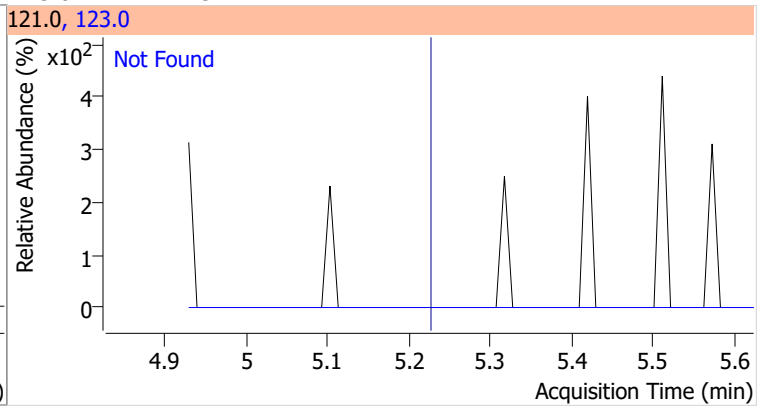
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



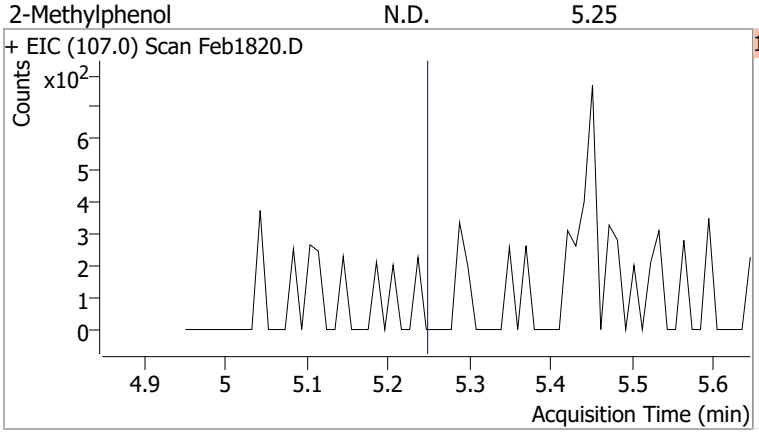


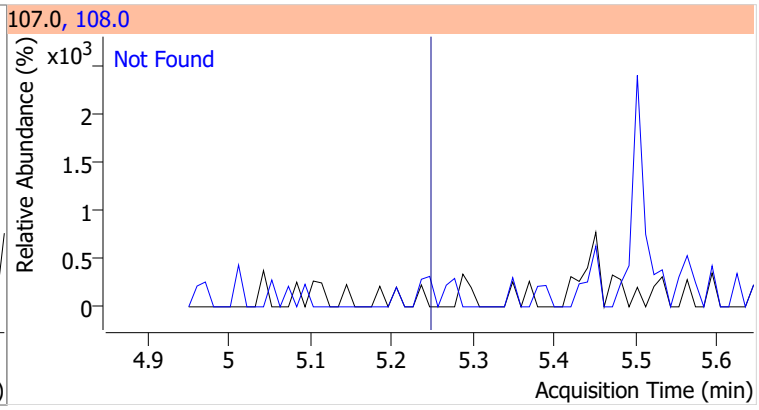
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



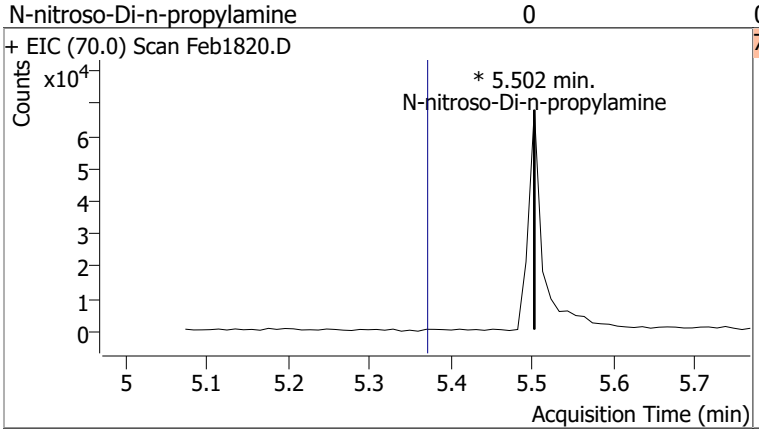


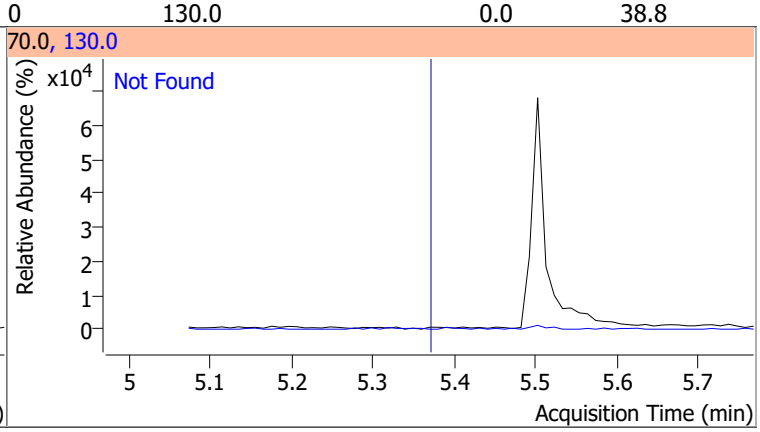
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



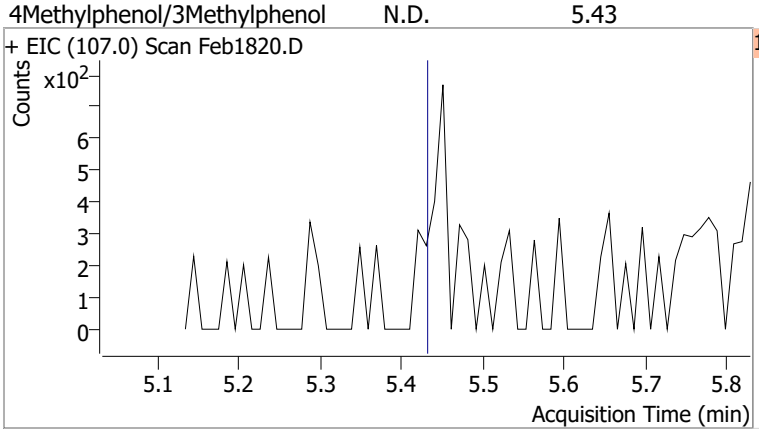


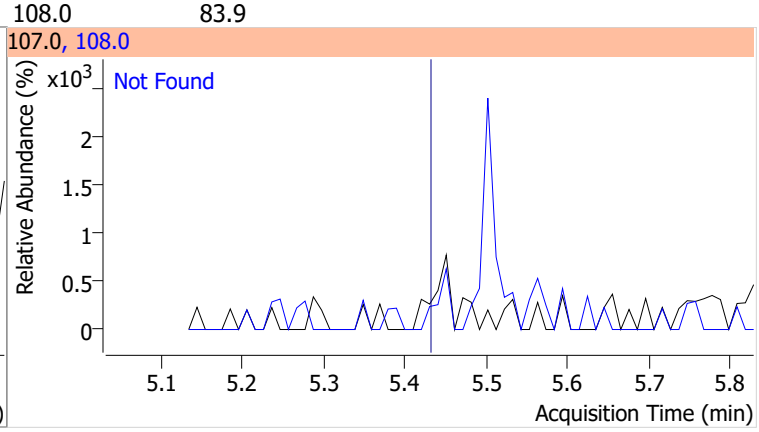
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



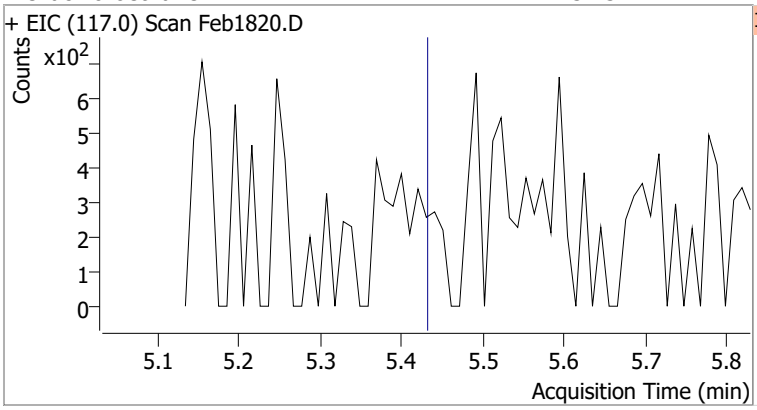


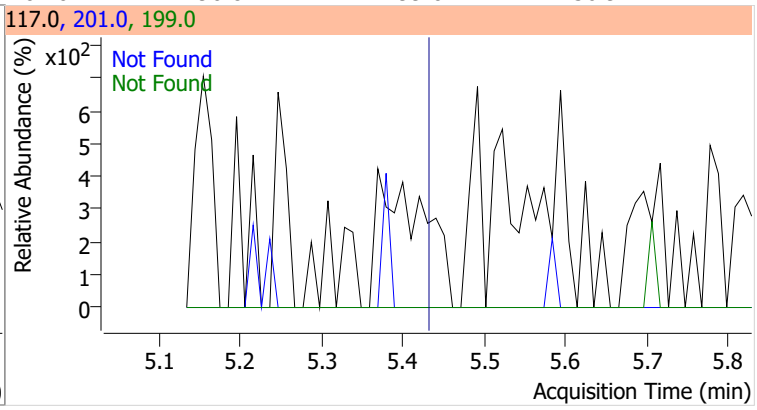
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



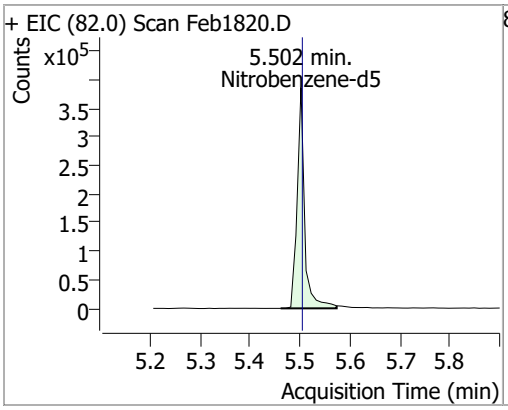


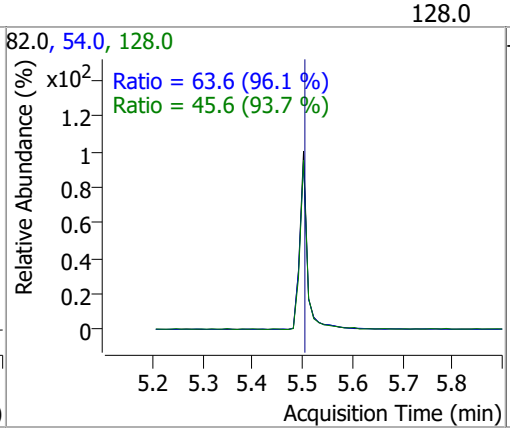
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

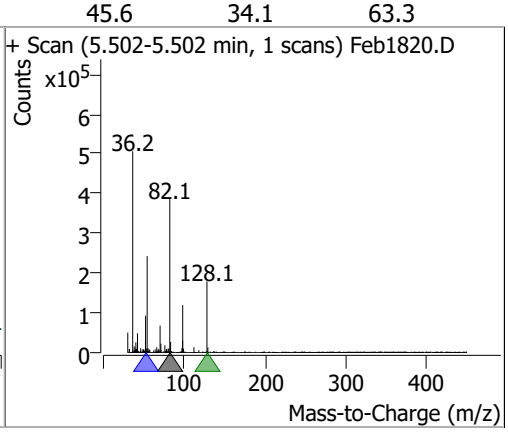




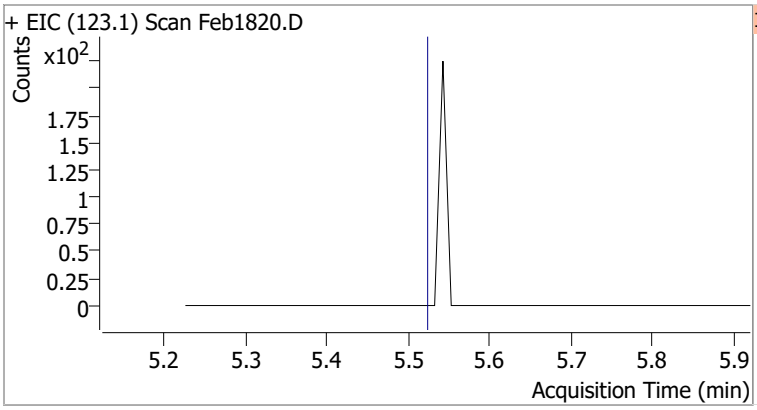
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	59.6724	5.50	0.00	399430	54.0	63.6	46.3	86.0
					128.0	45.6	34.1	63.3

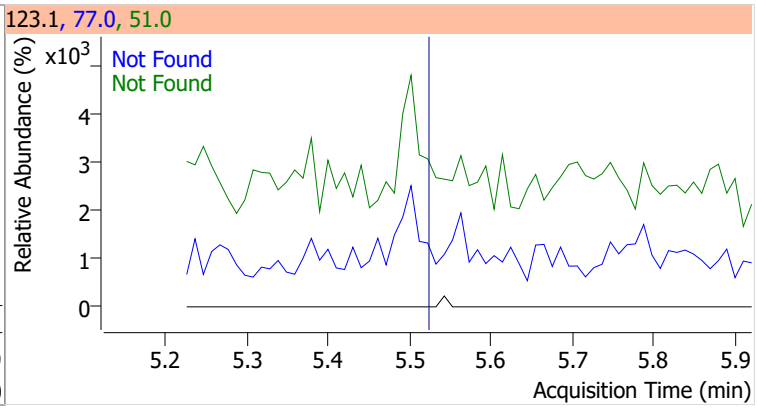




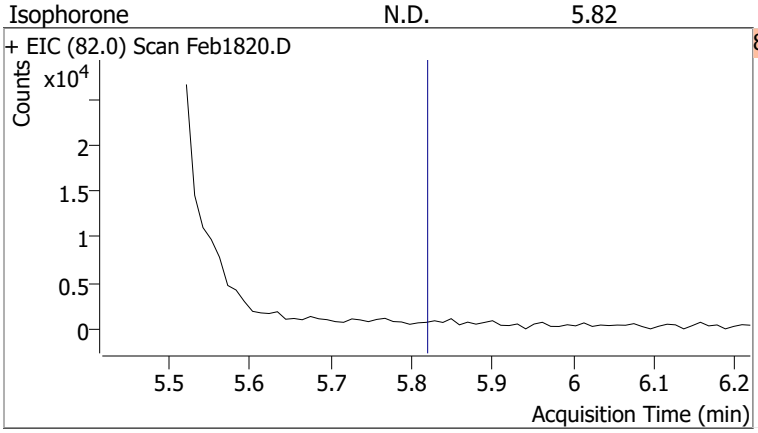


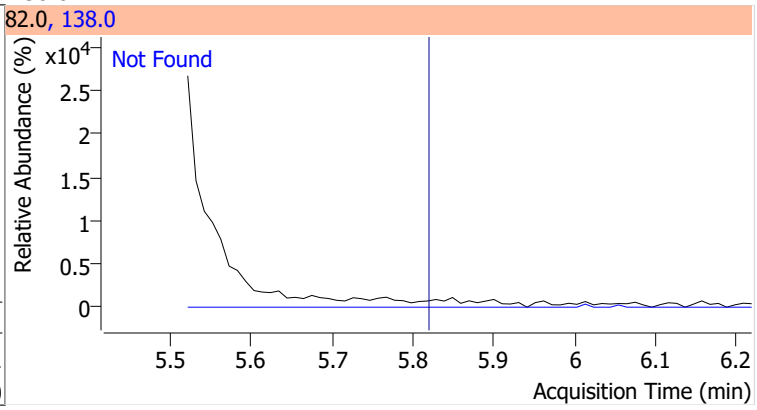
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



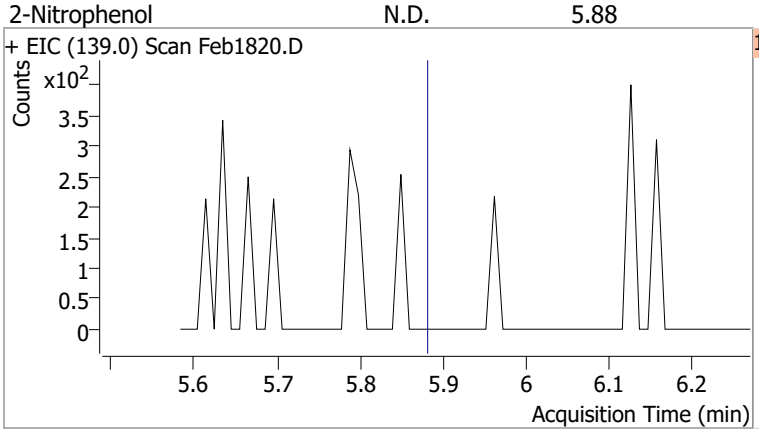


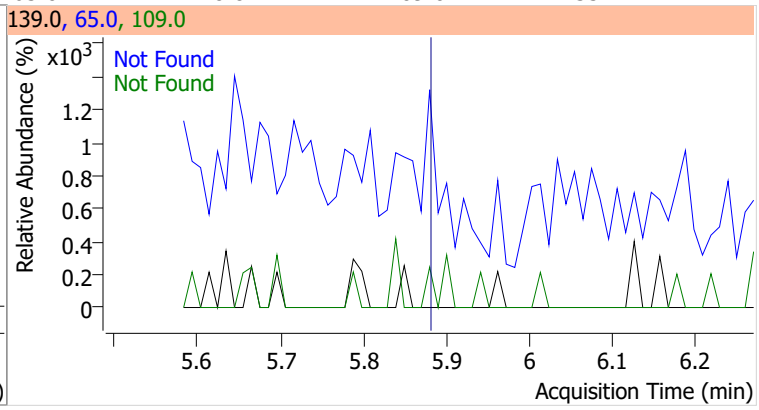
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



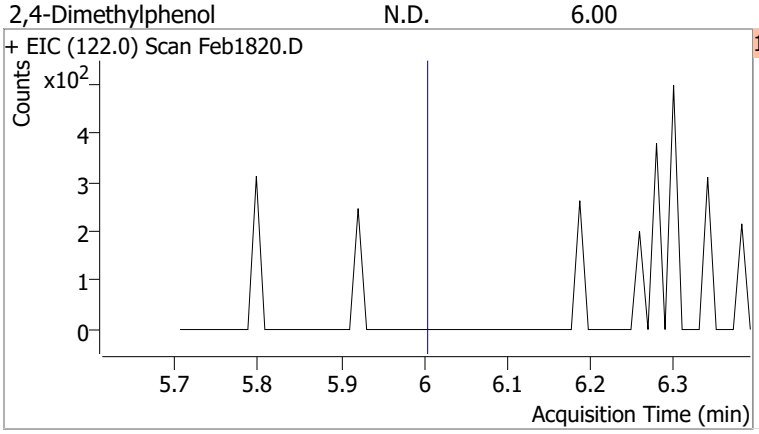


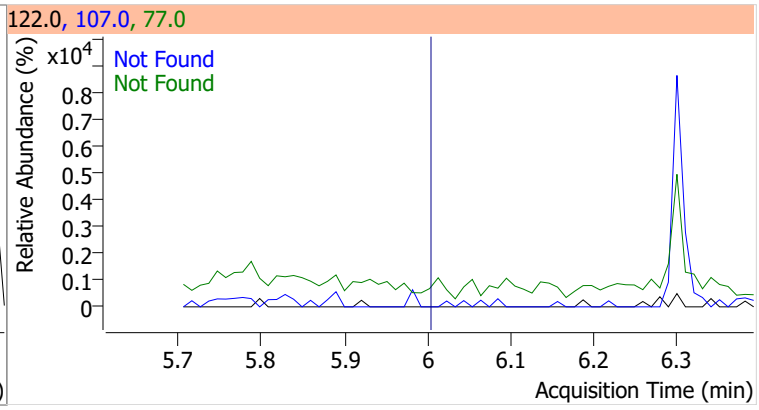
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



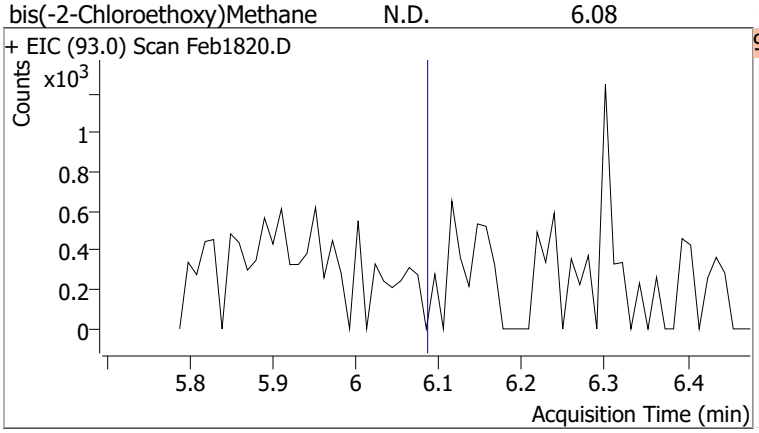


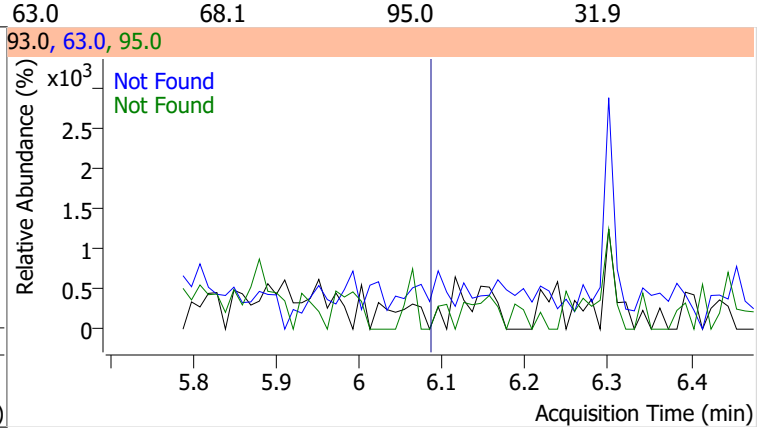
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



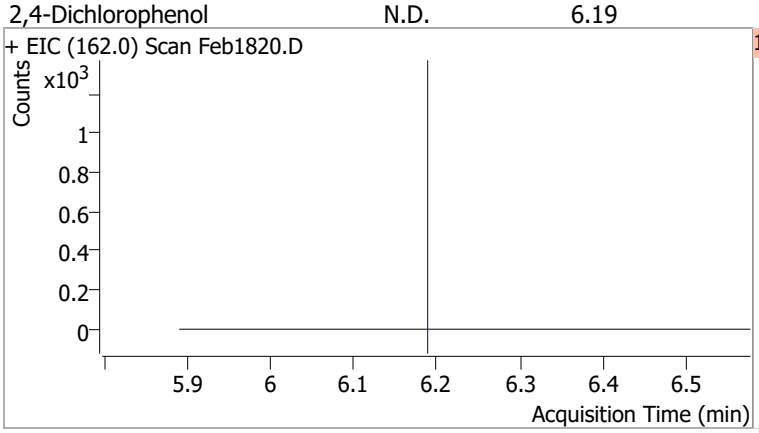


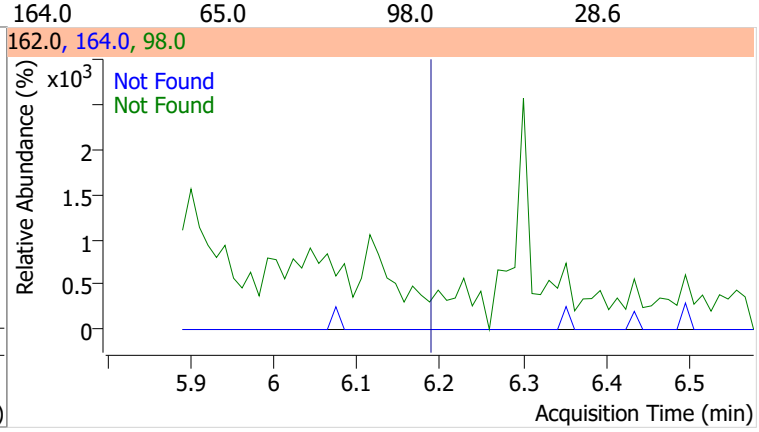
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



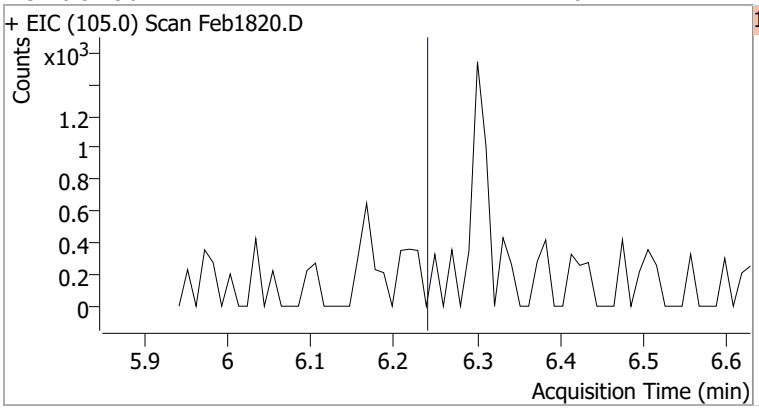


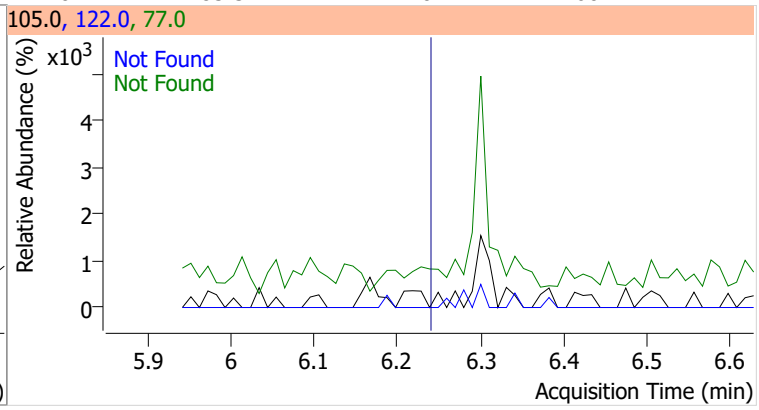
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



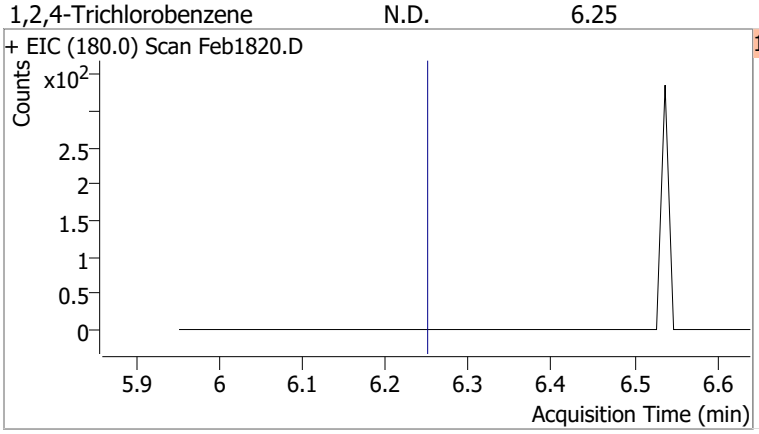


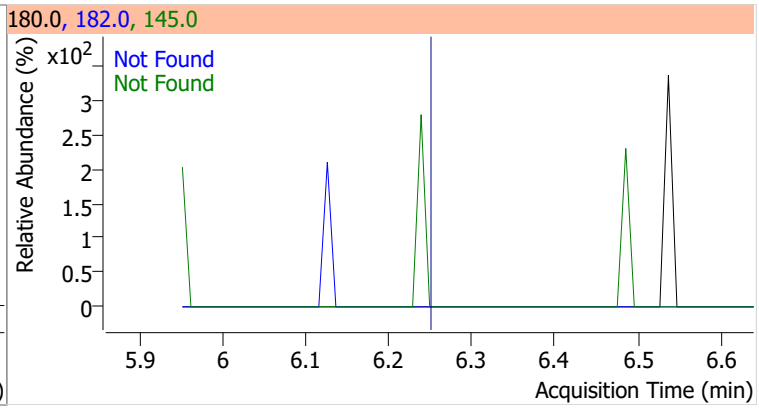
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



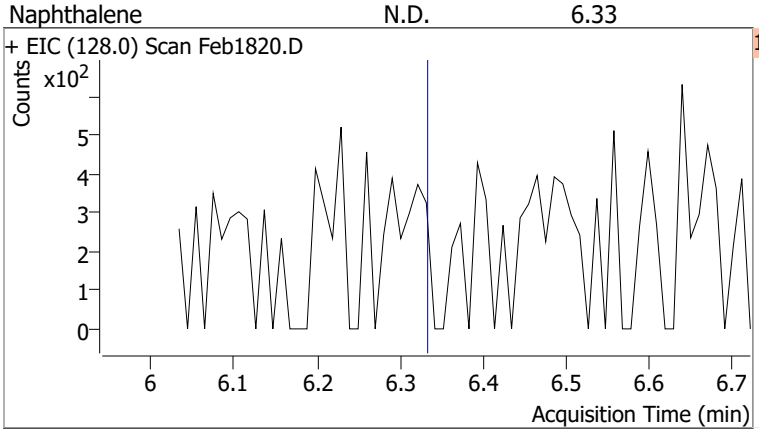


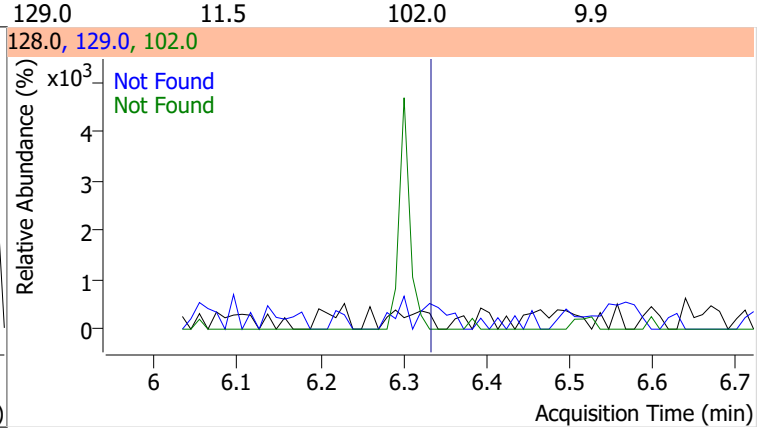
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



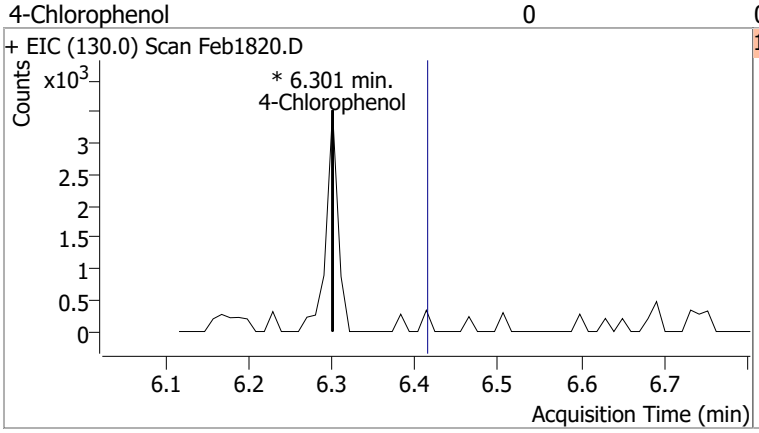


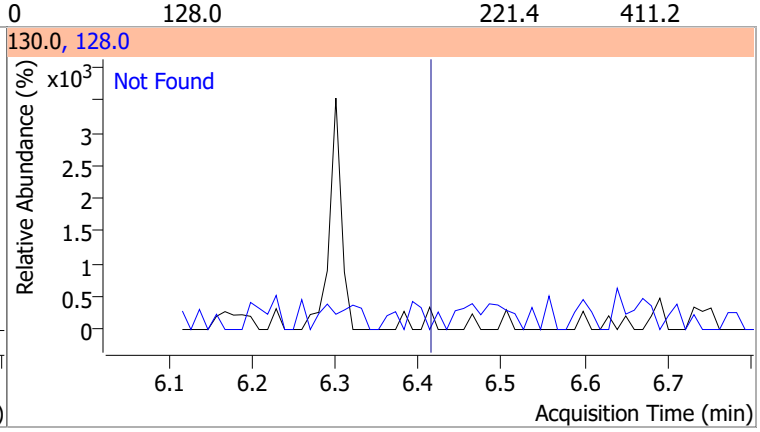
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



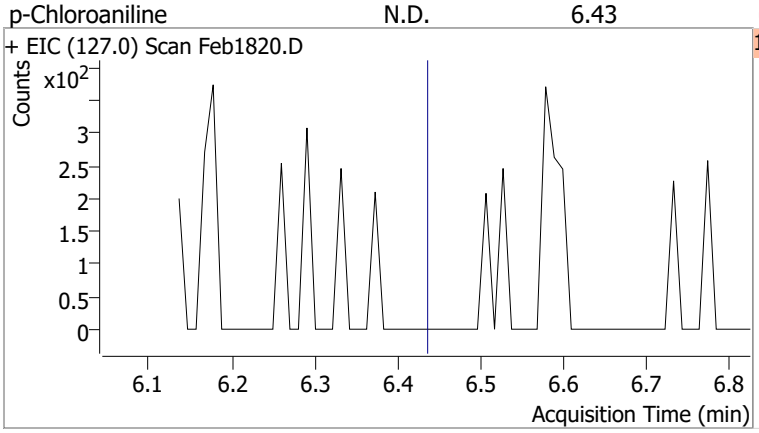


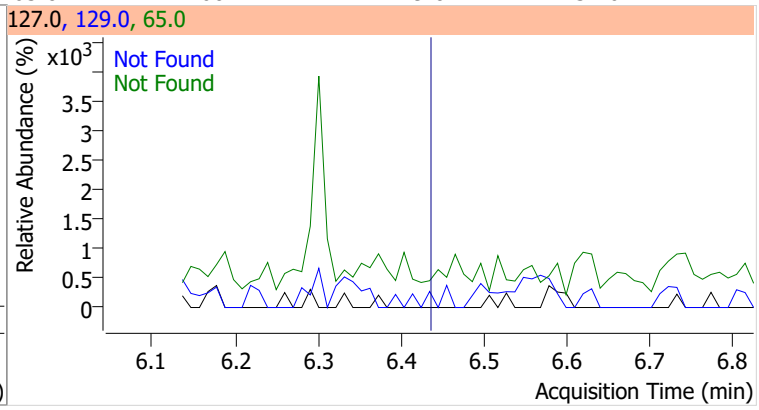
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol		0		0	128.0		221.4	411.2



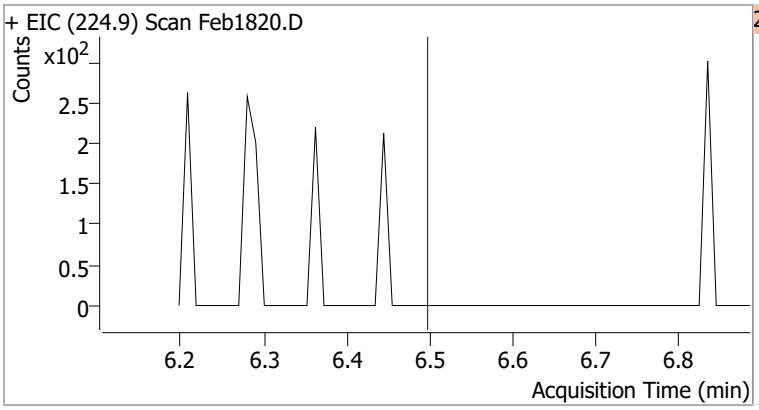


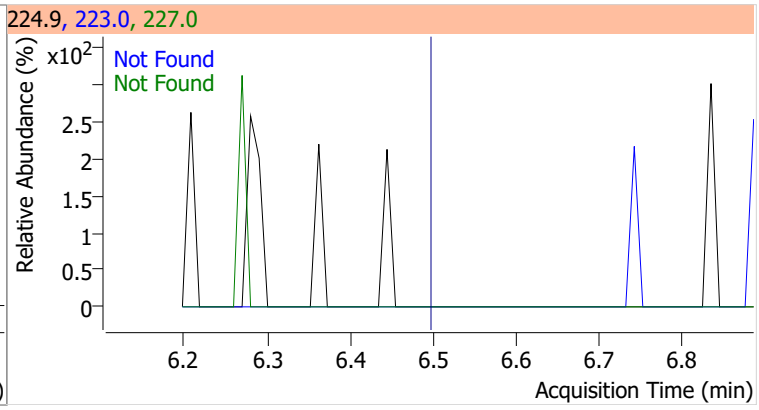
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



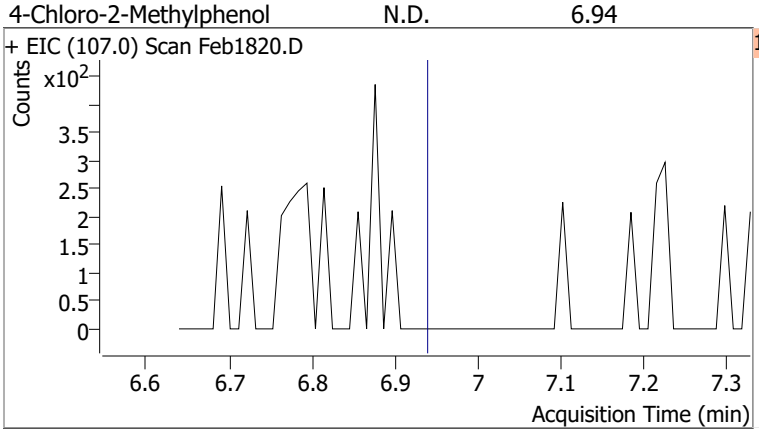


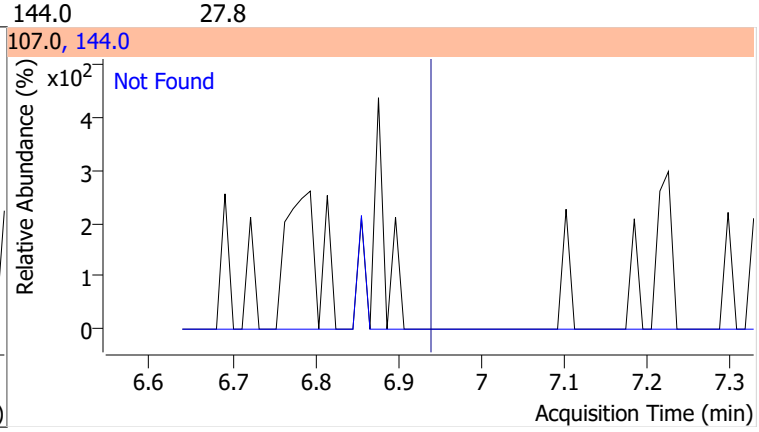
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



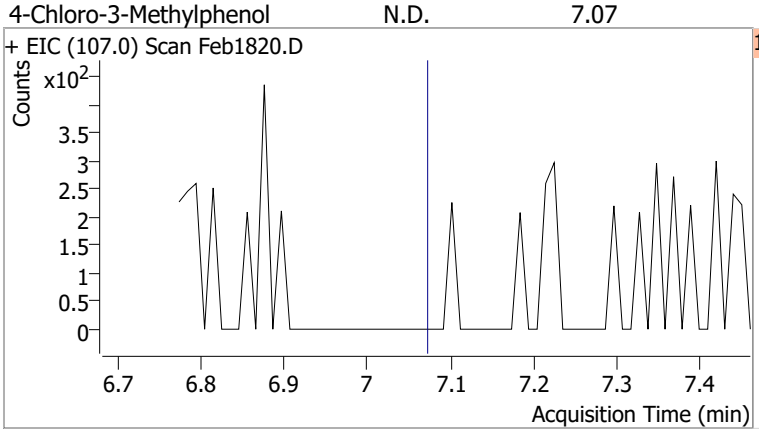


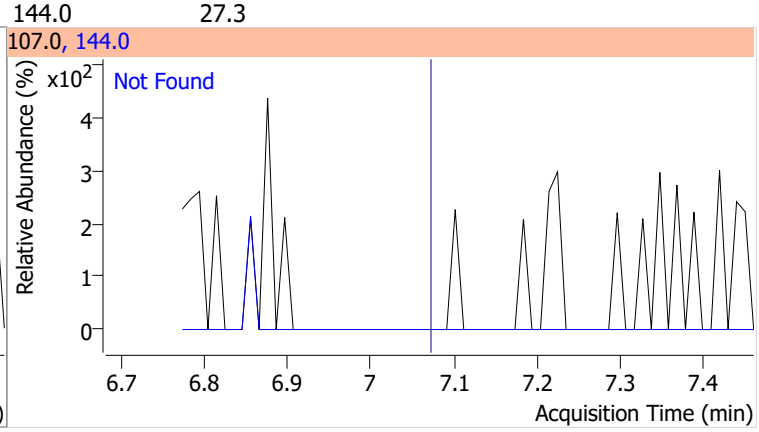
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



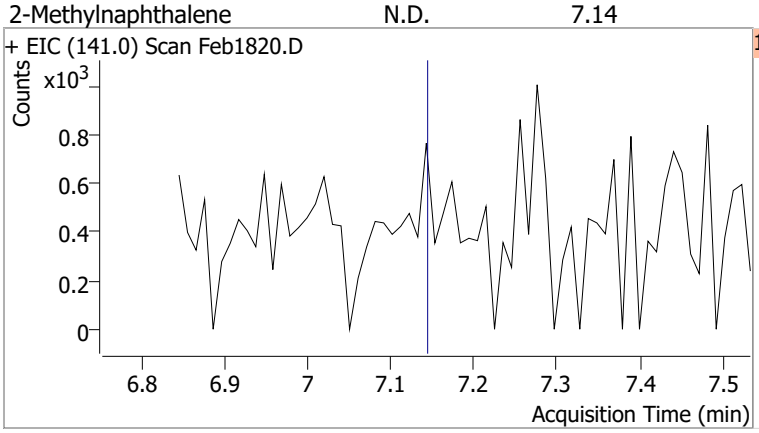


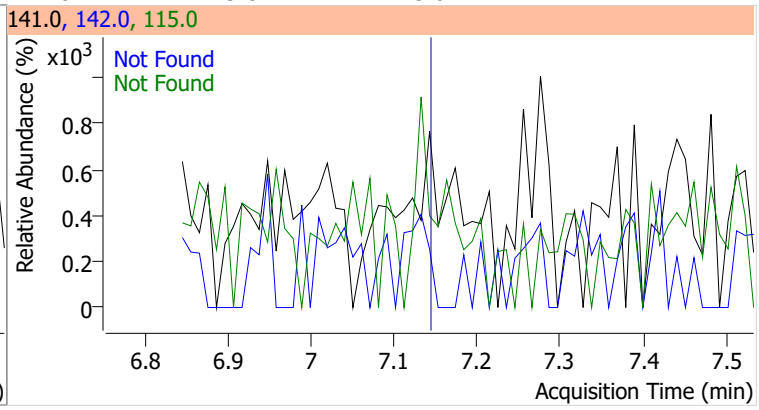
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



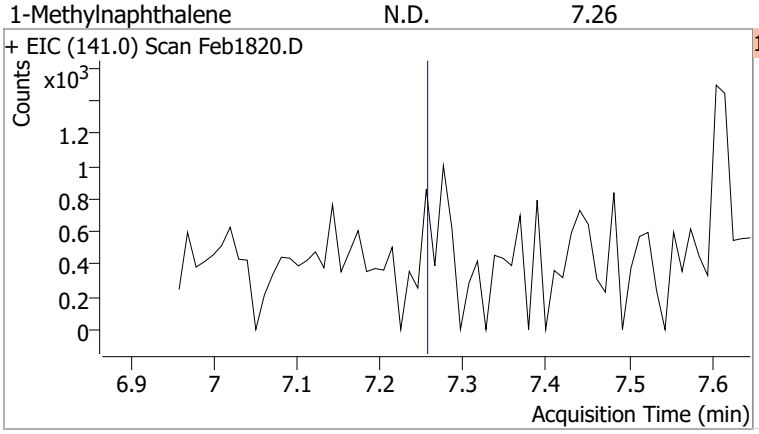


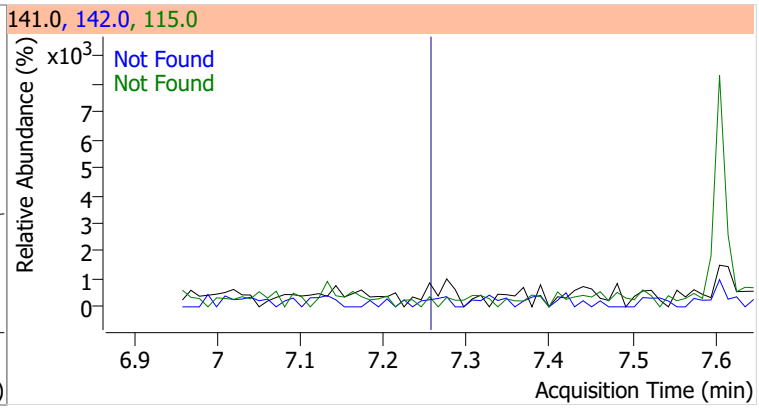
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



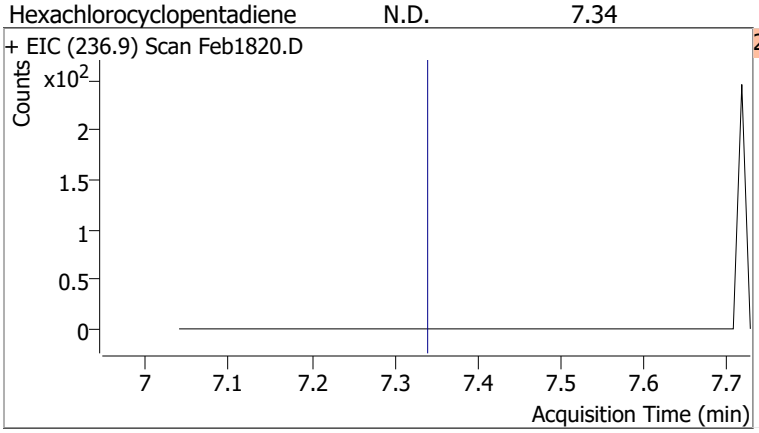


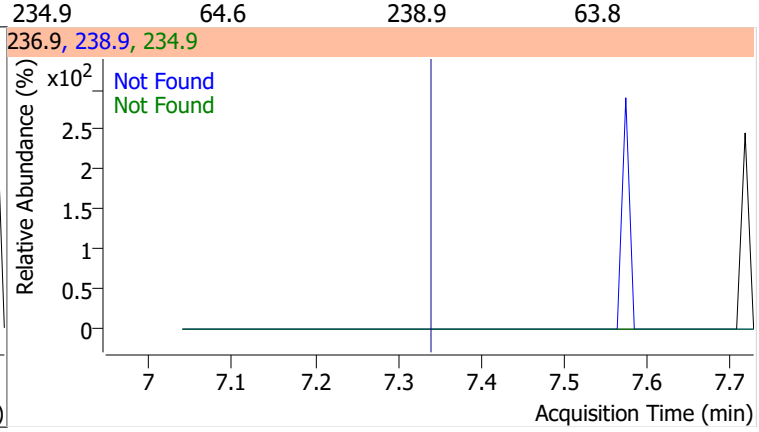
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



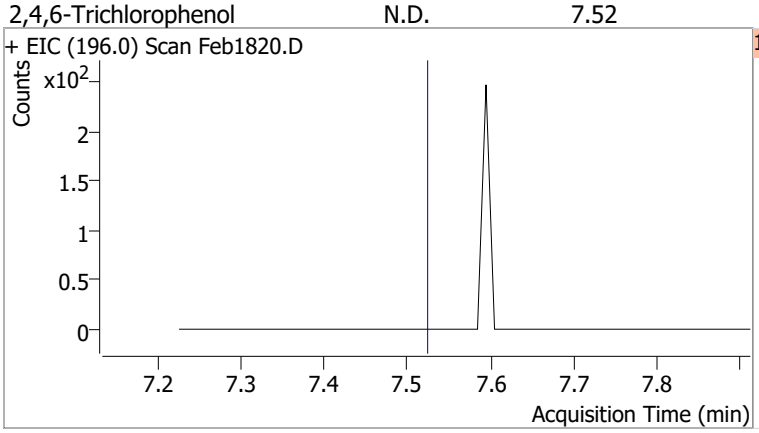


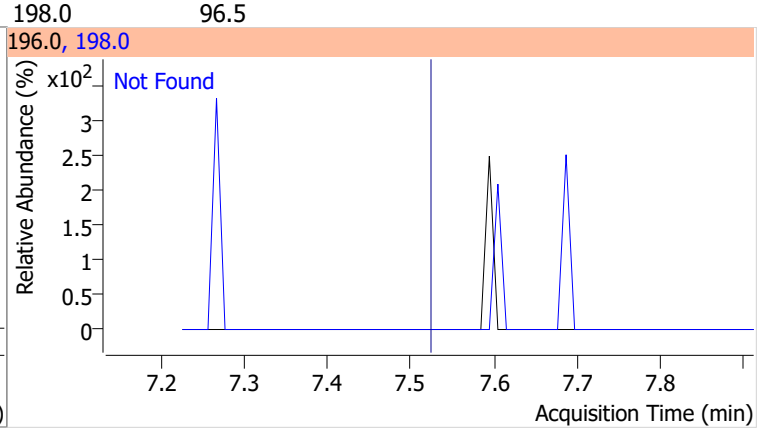
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



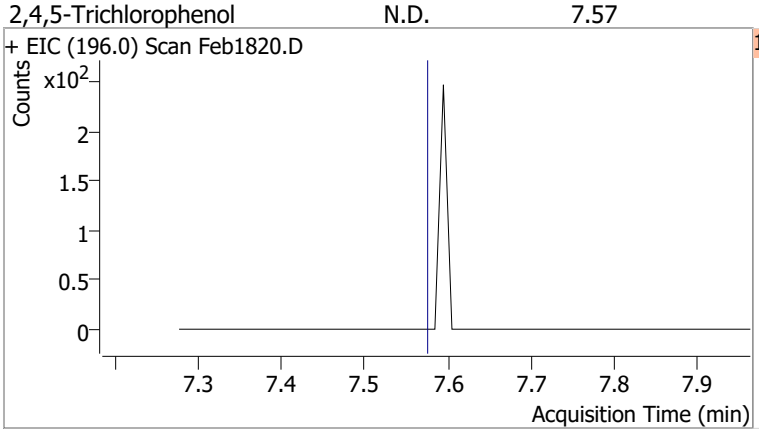


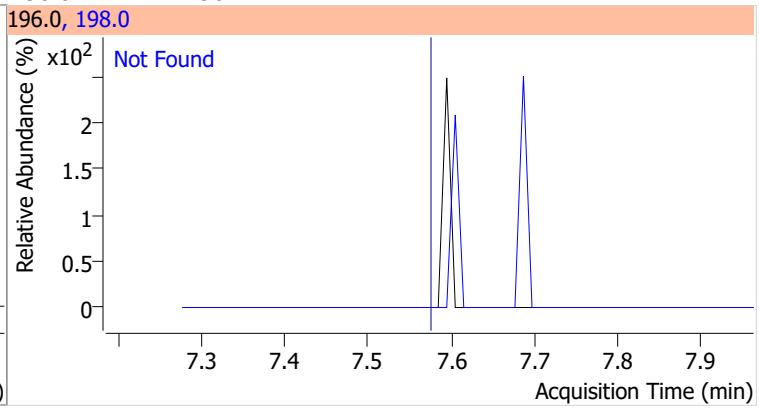
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



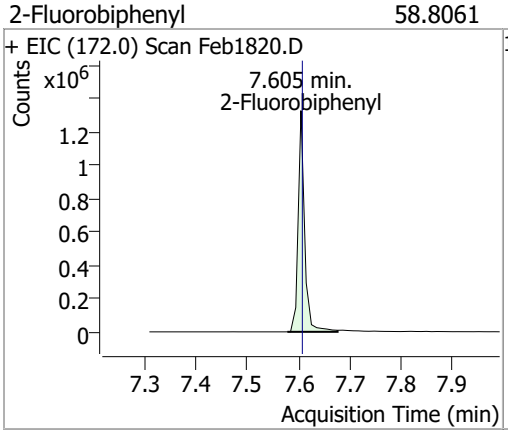


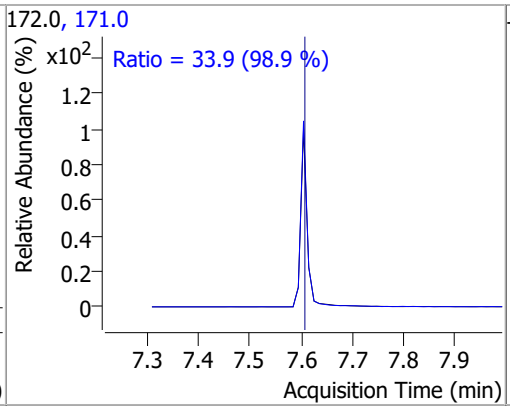
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

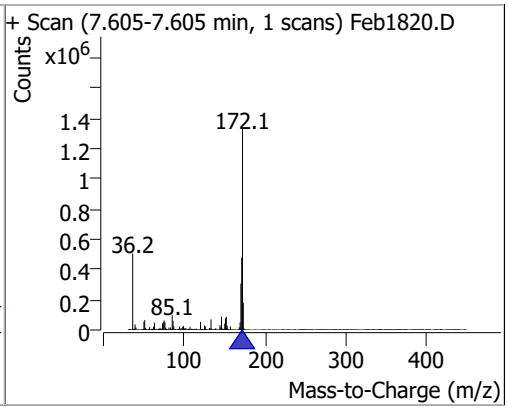




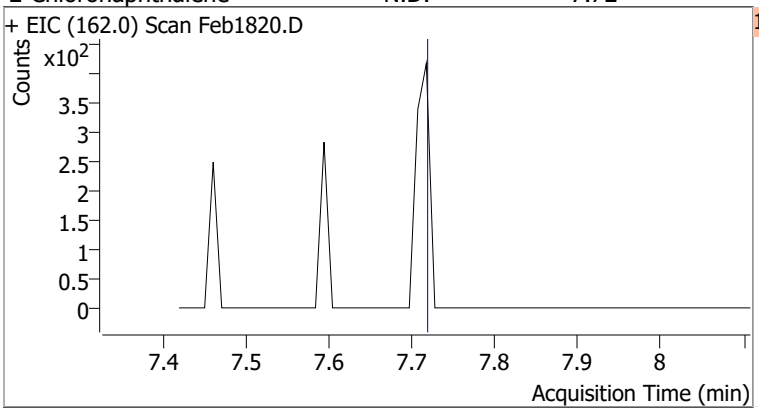
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	58.8061	7.60	0.00	1165516	171.0	33.9	24.0	44.5

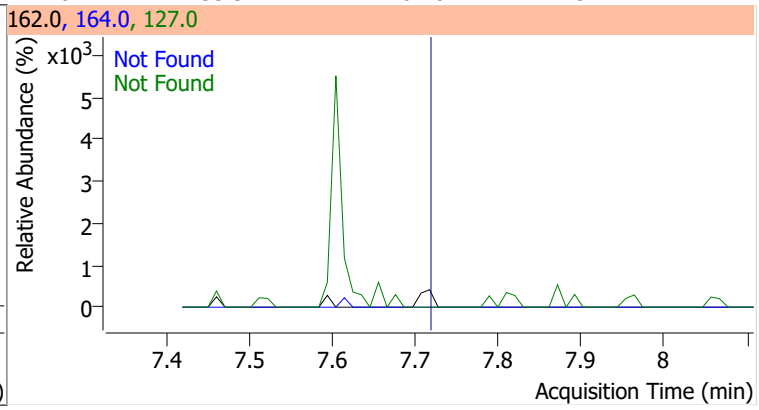




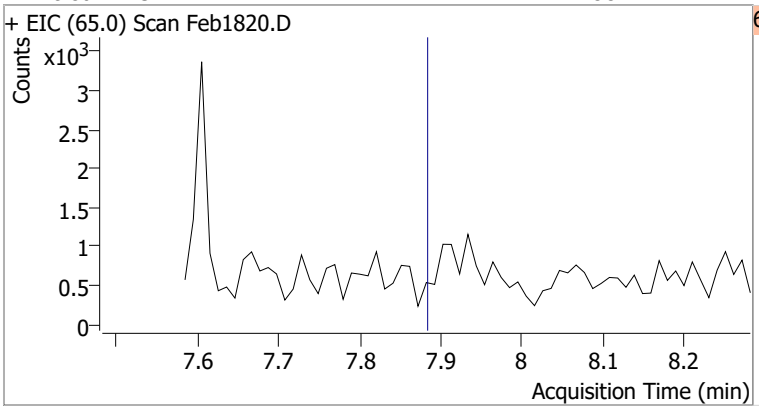


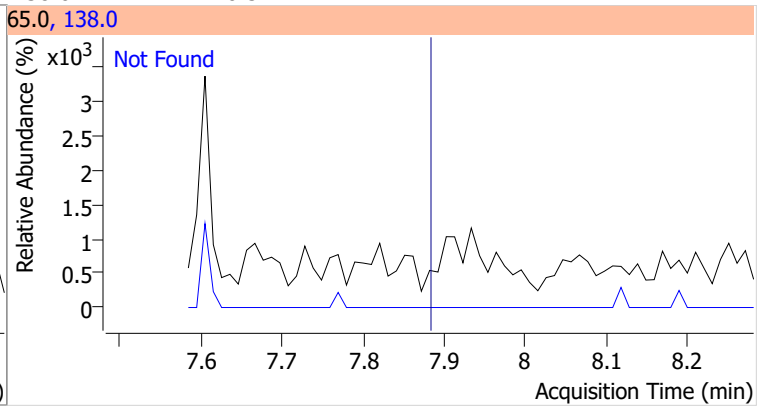
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



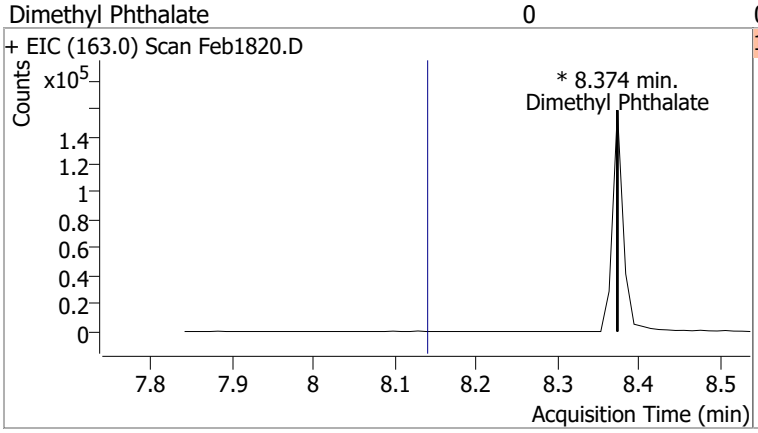


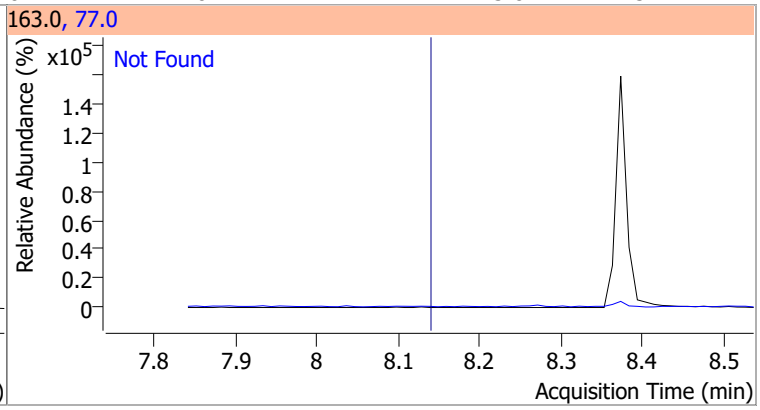
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



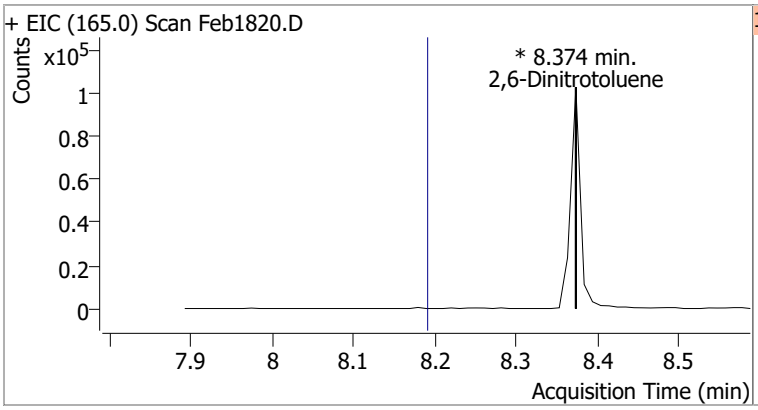


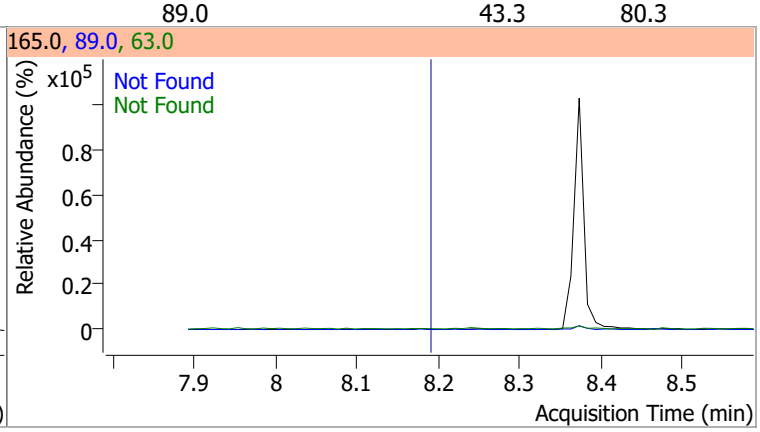
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



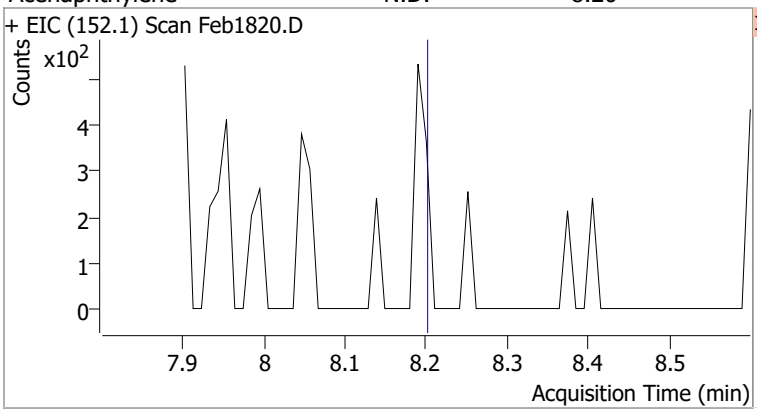


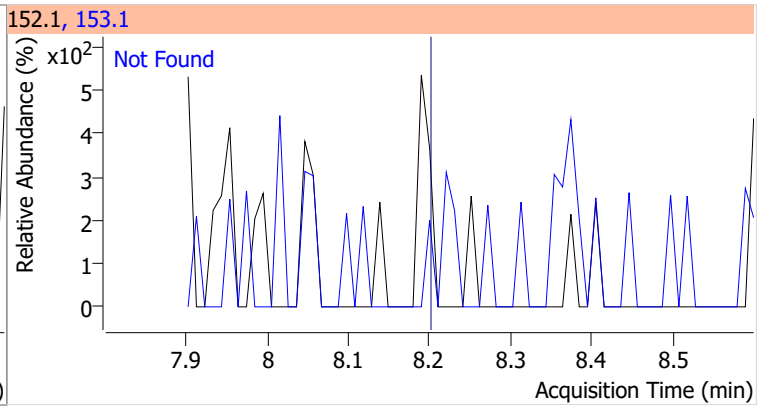
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



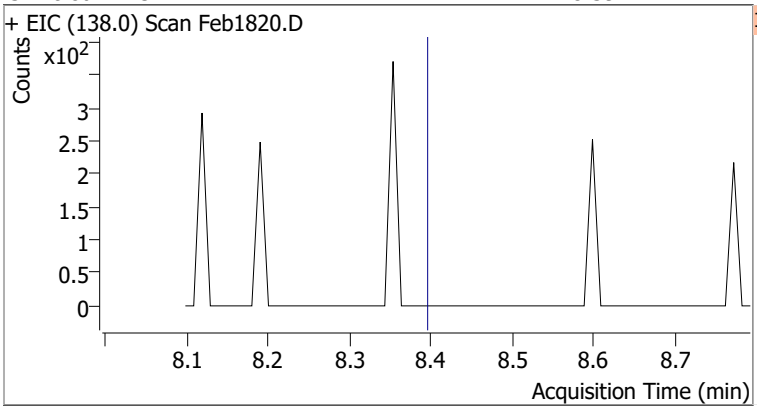


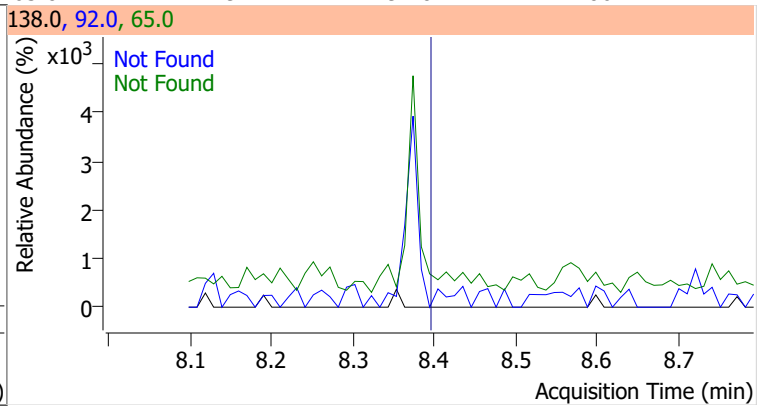
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



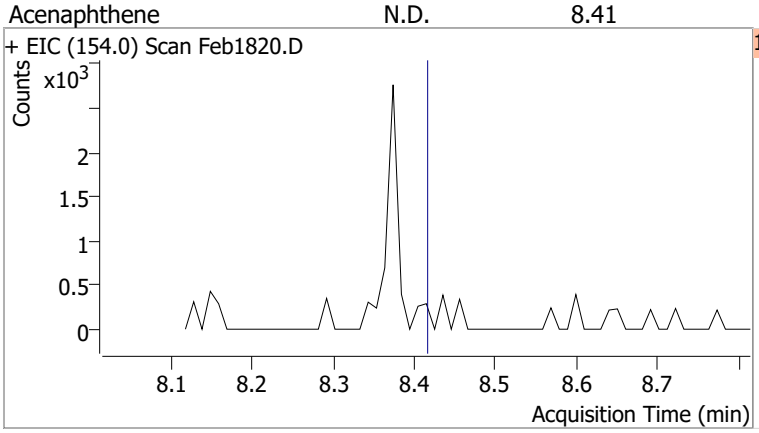


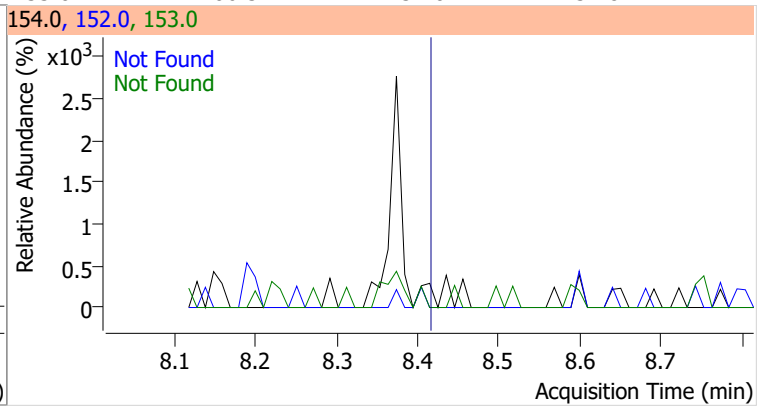
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



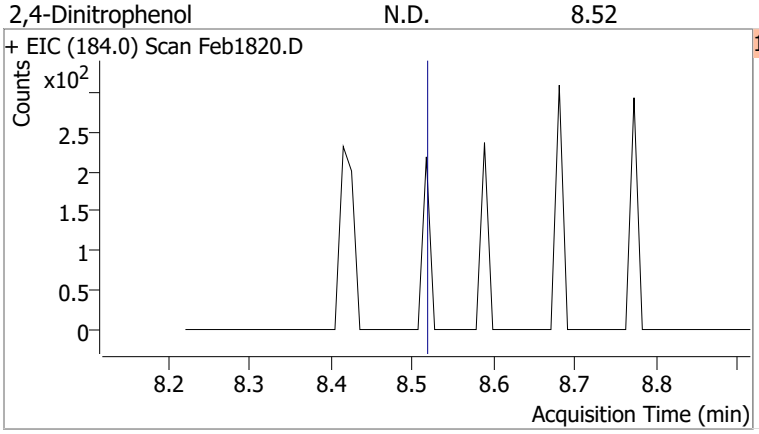


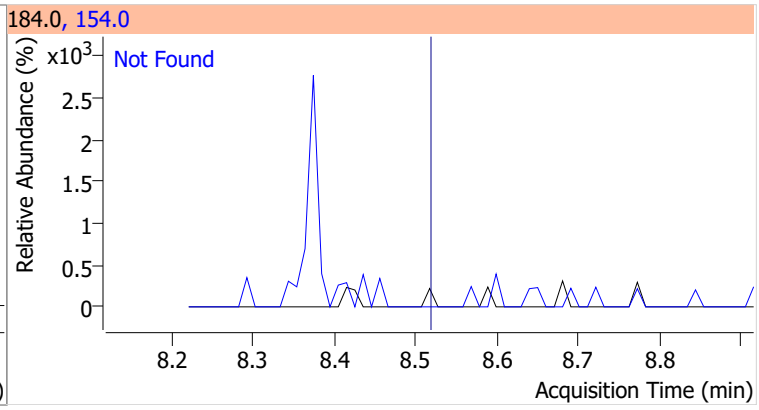
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



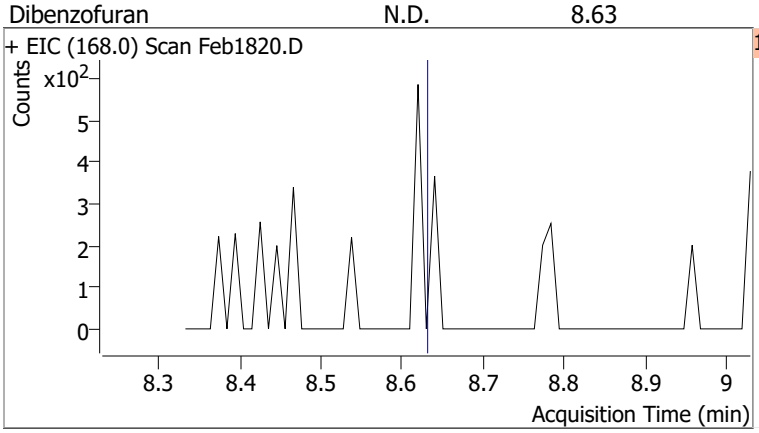


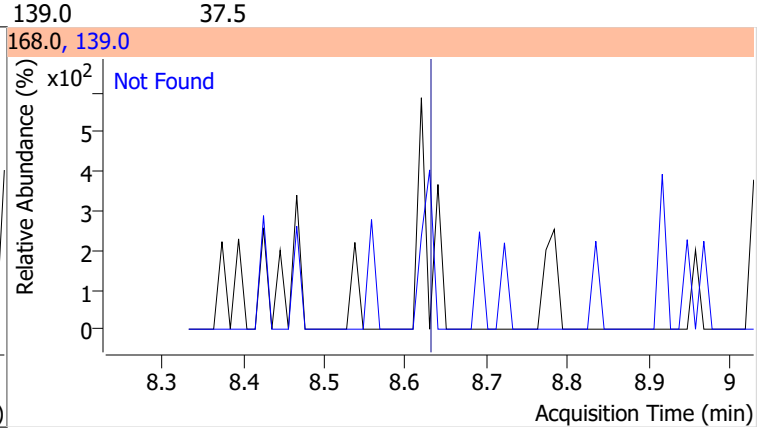
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



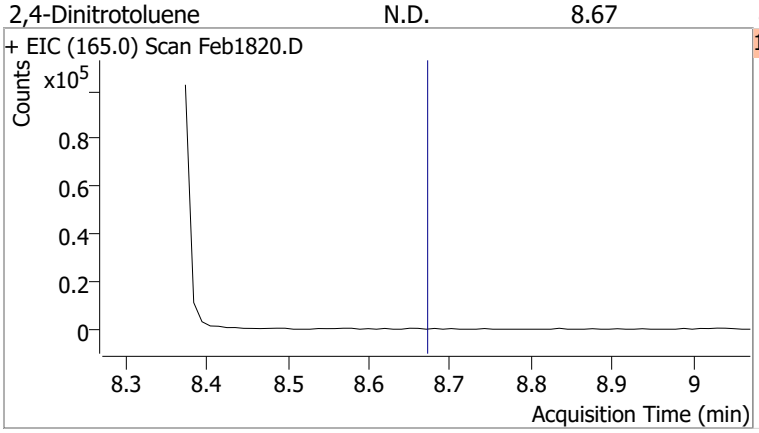


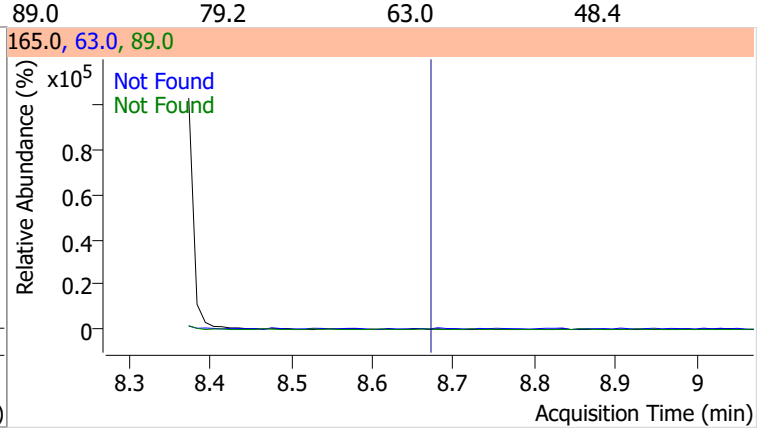
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



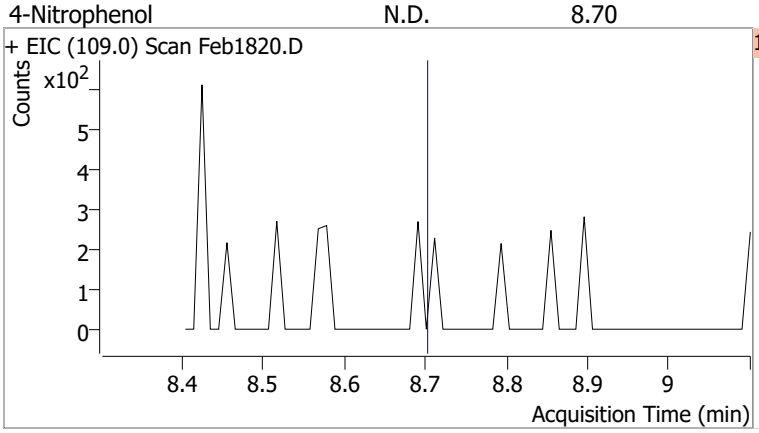


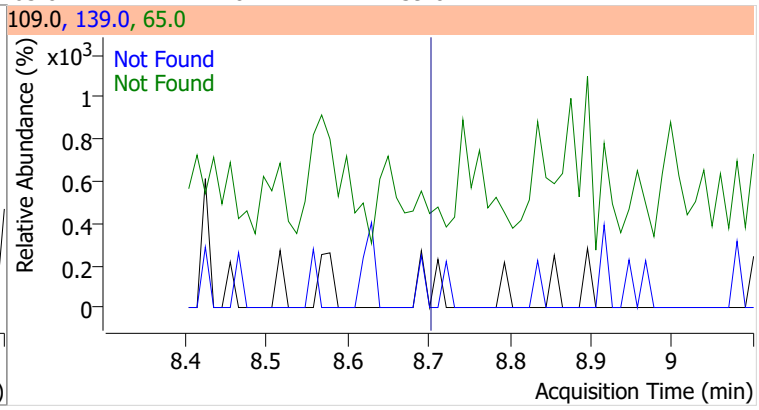
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



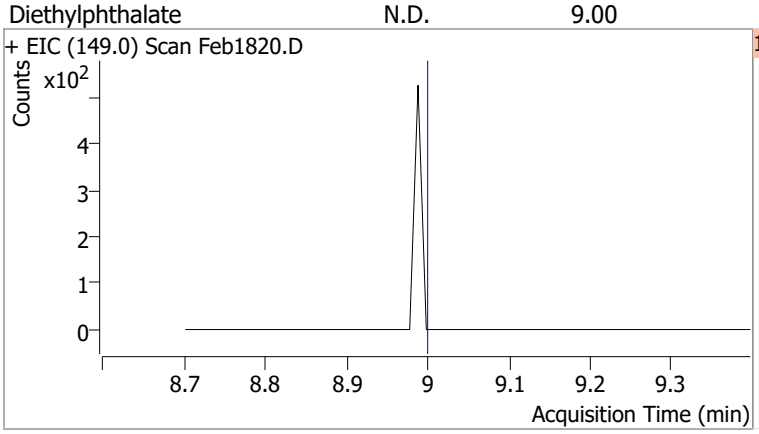


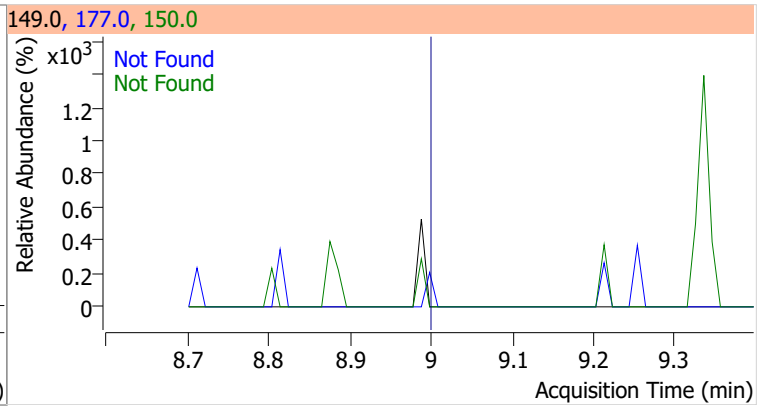
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



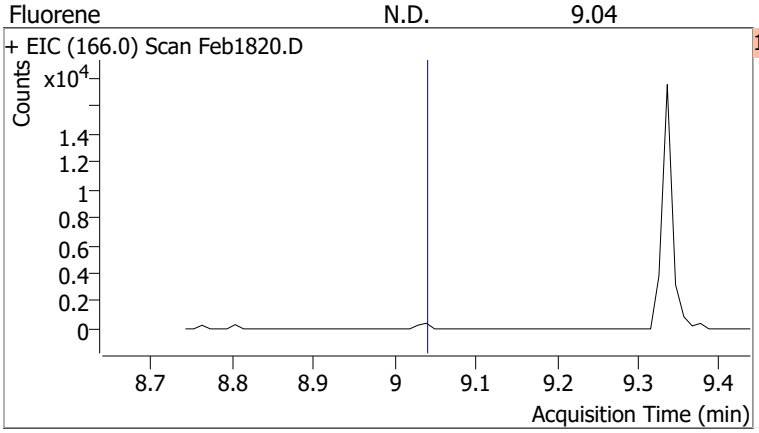


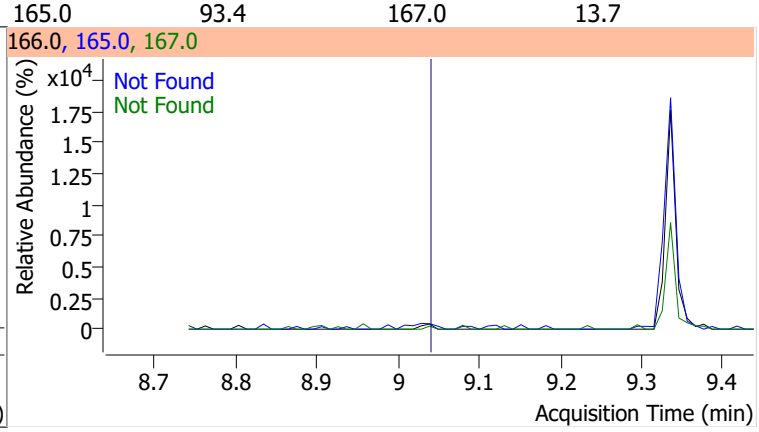
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



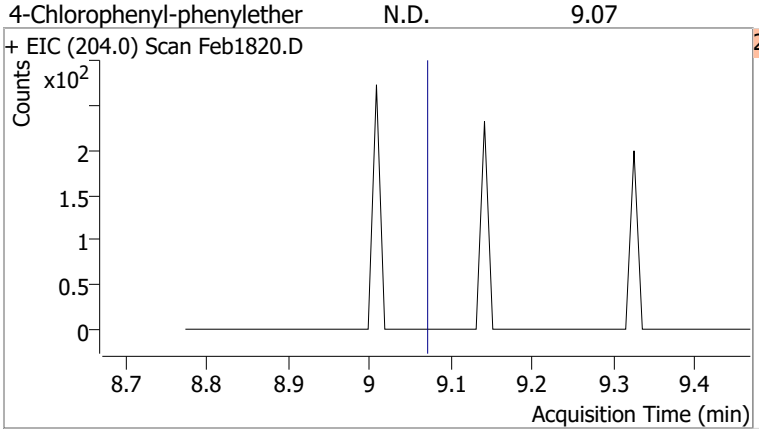


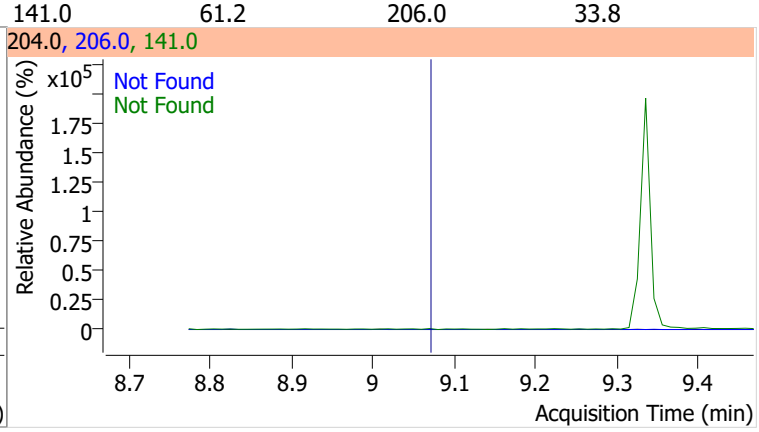
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



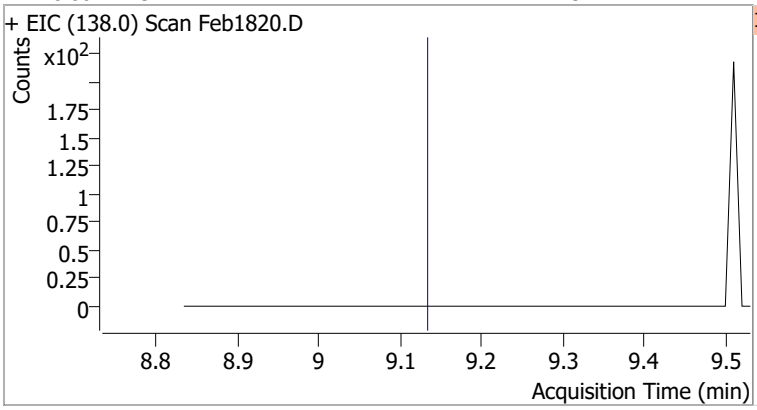


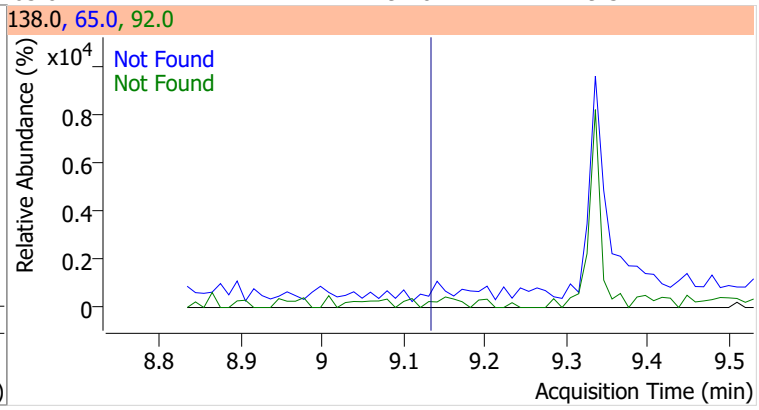
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



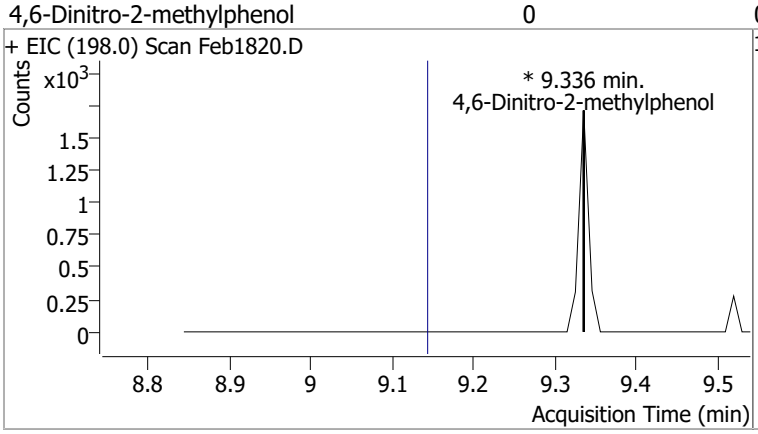


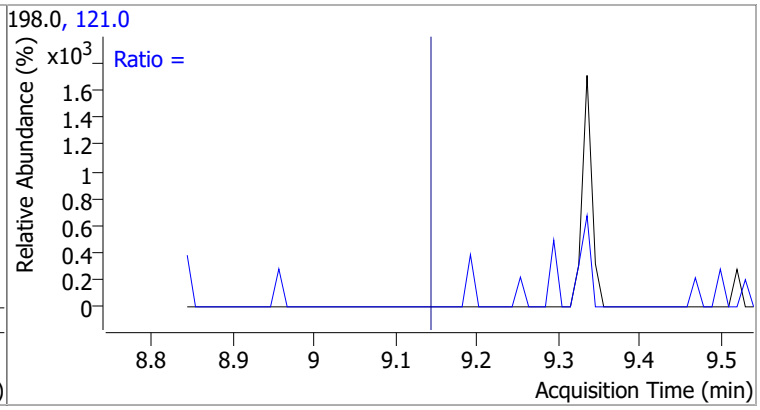
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



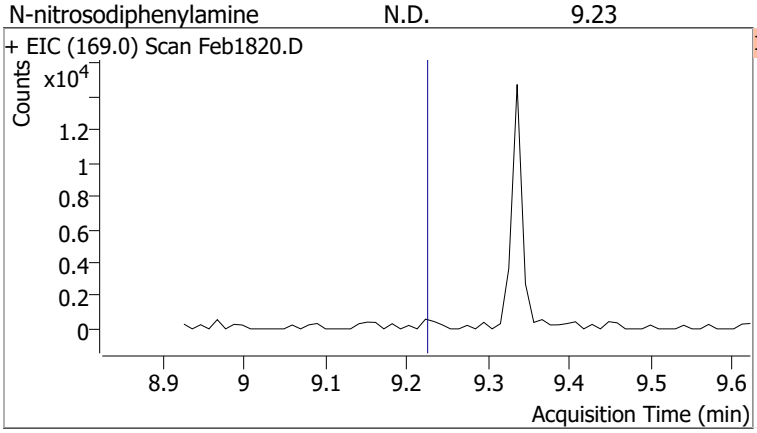


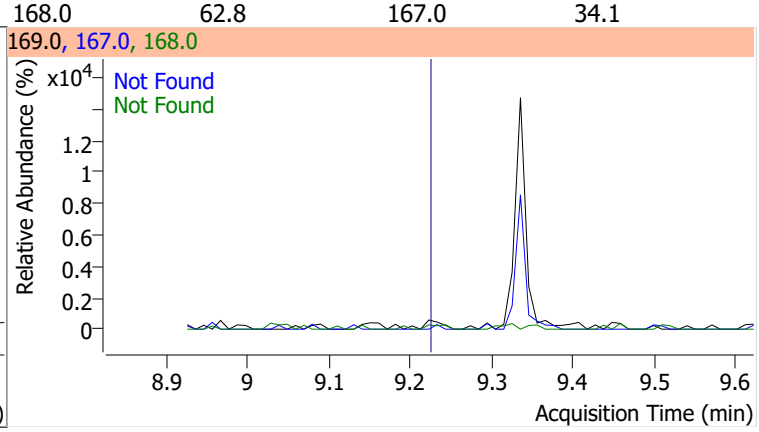
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



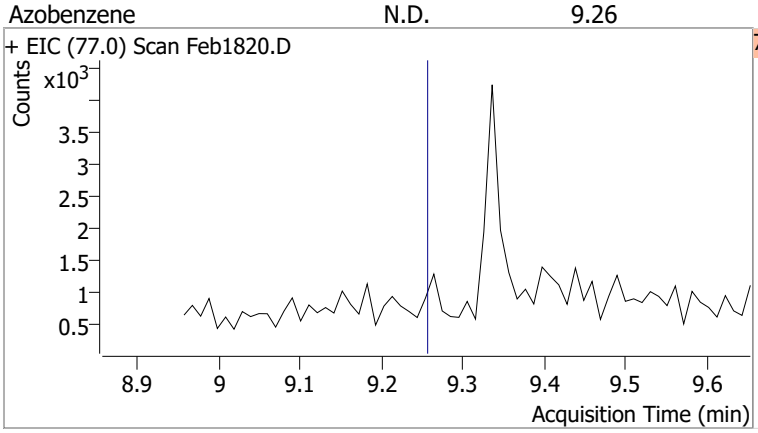


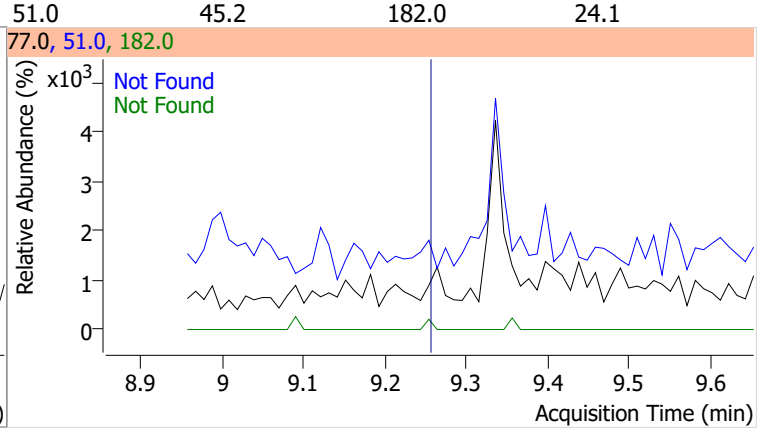
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



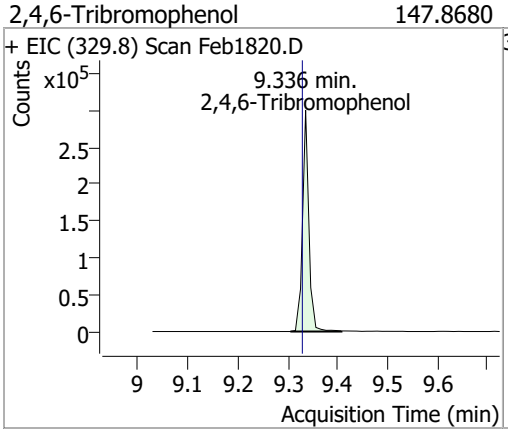


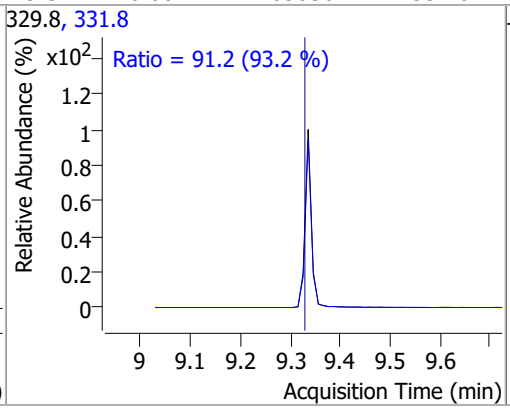
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

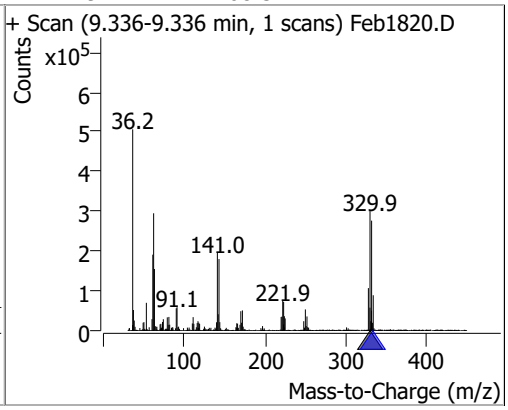




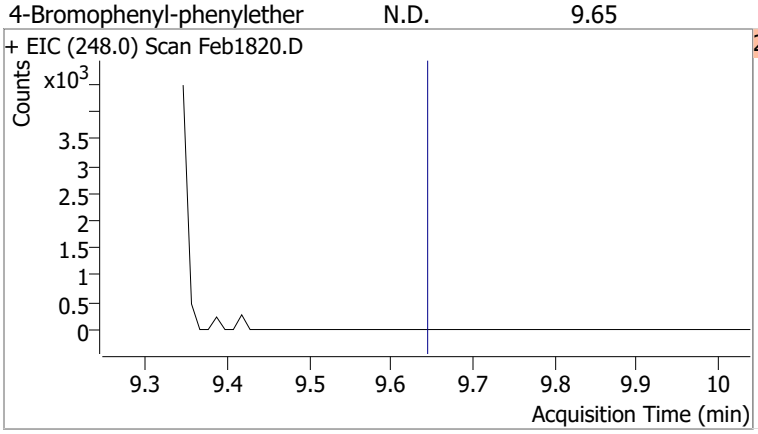
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	147.8680	9.34	0.00	265856	331.8	91.2	68.5	127.2

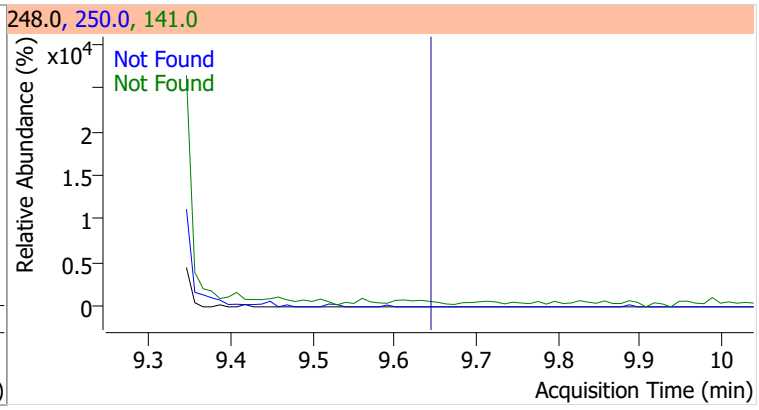




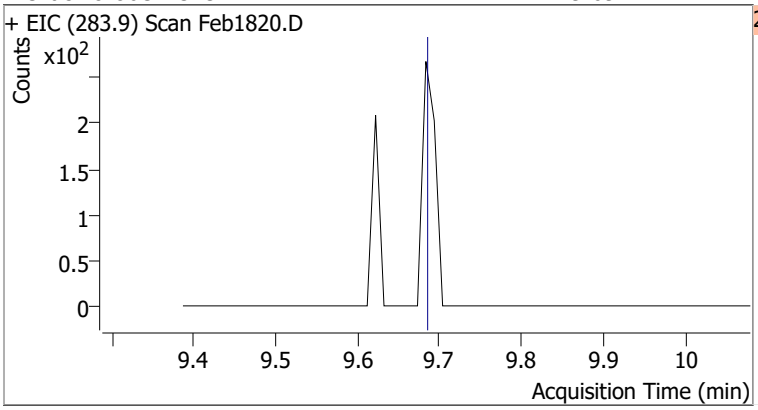


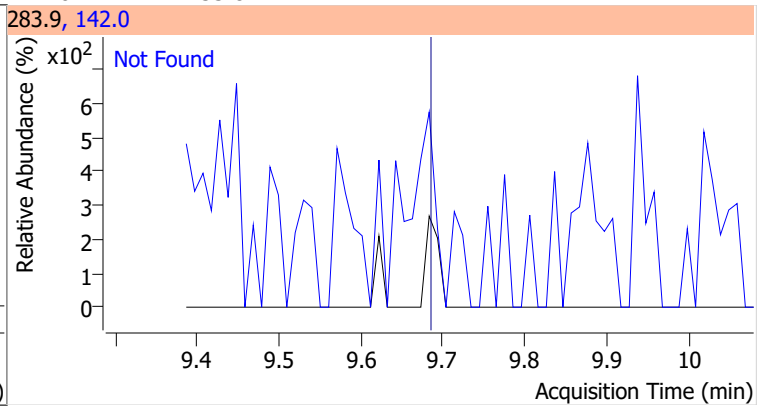
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



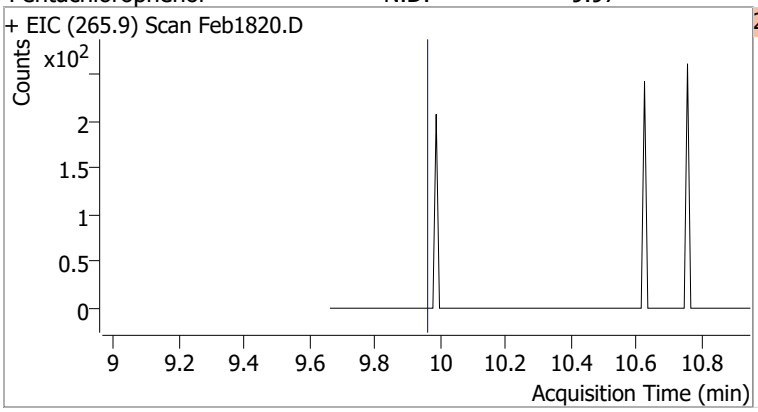


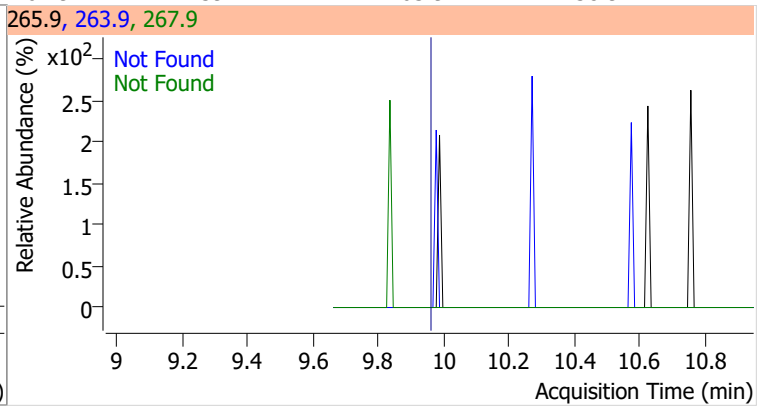
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



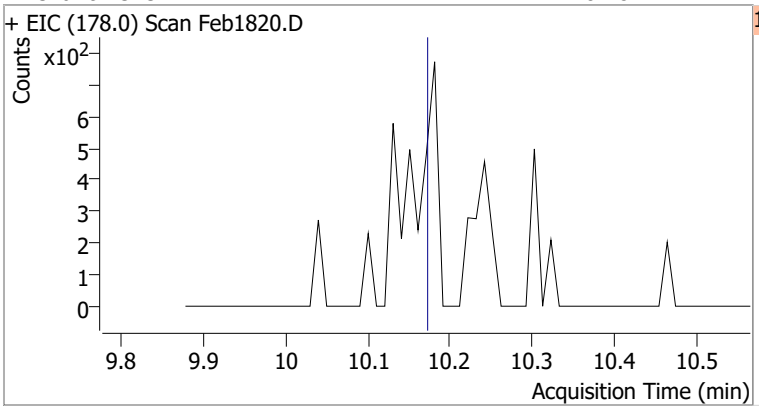


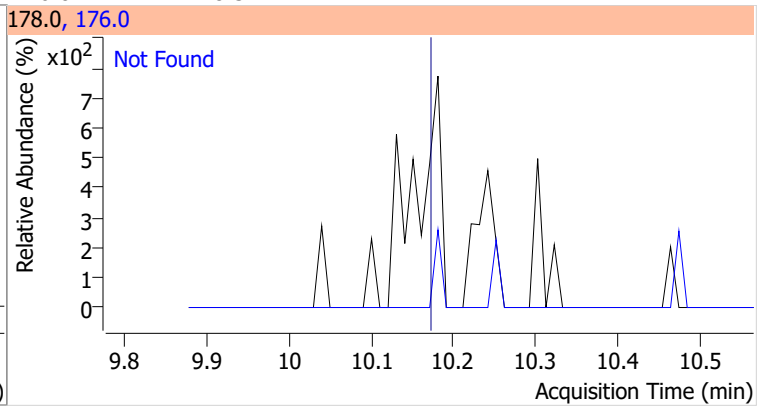
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



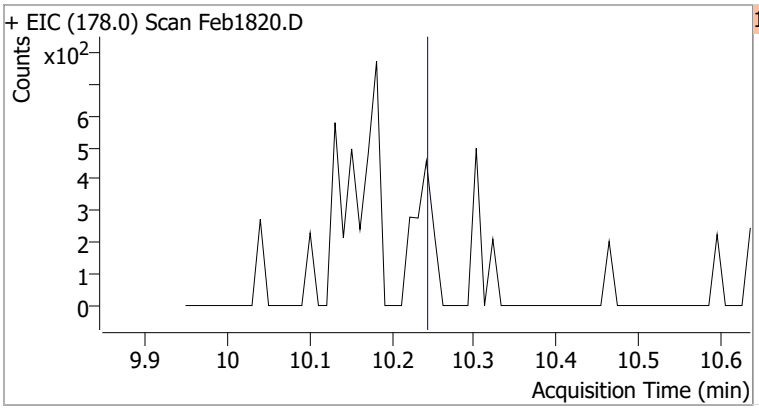


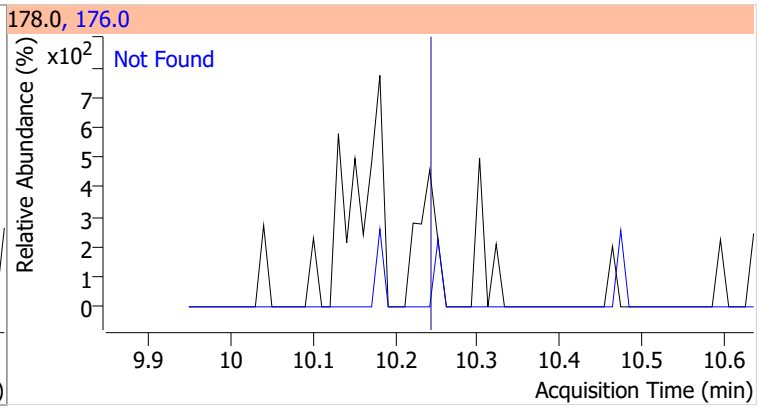
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



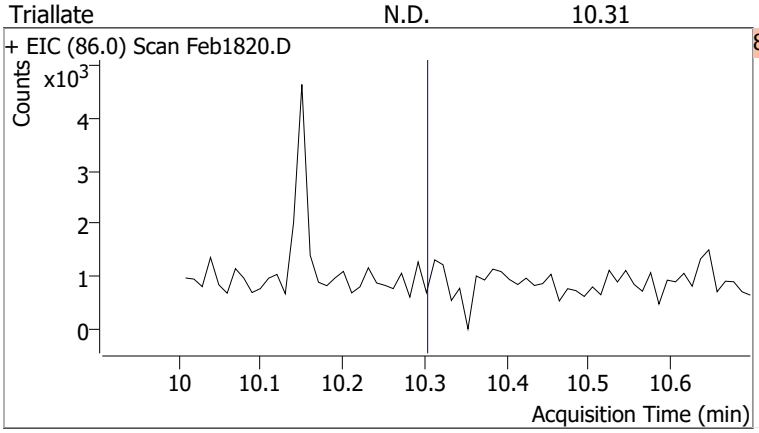


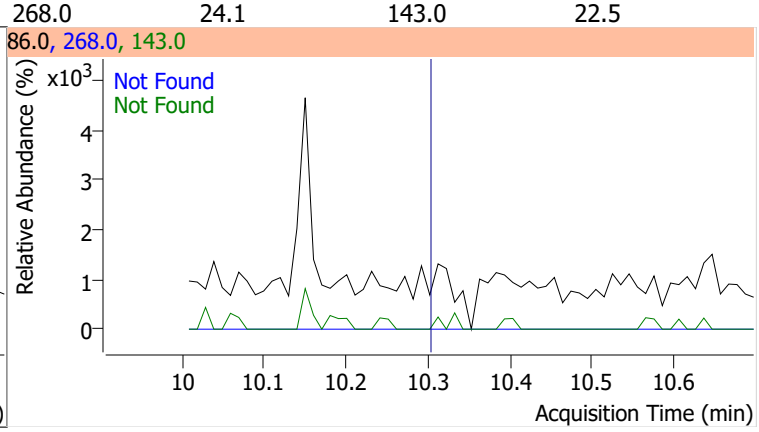
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



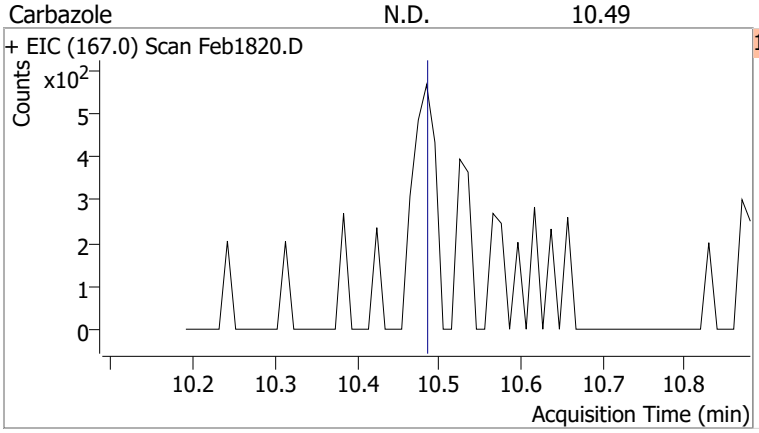


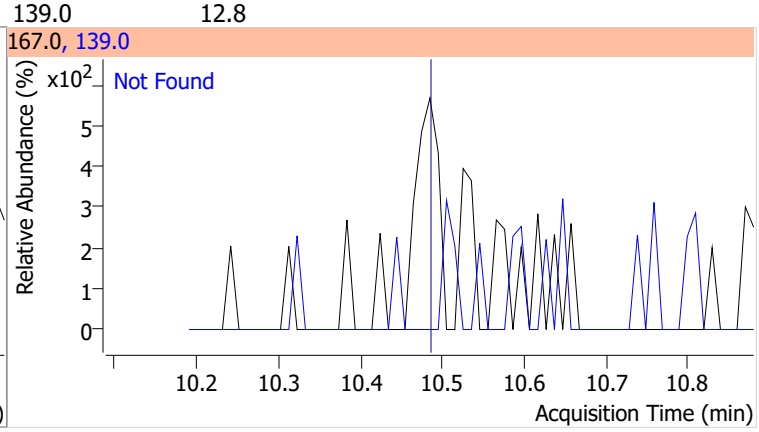
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



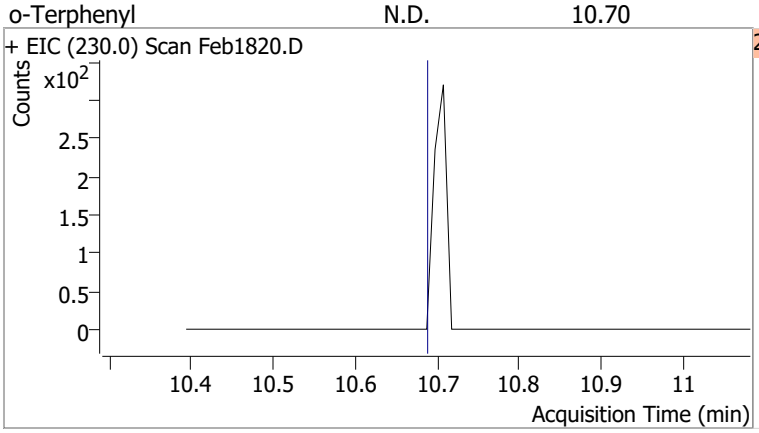


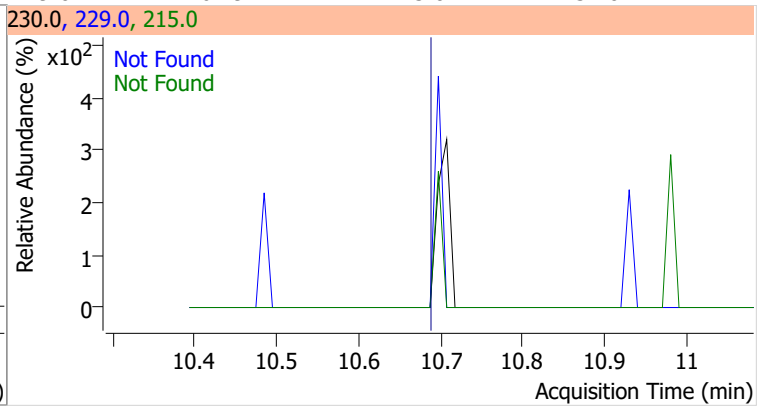
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



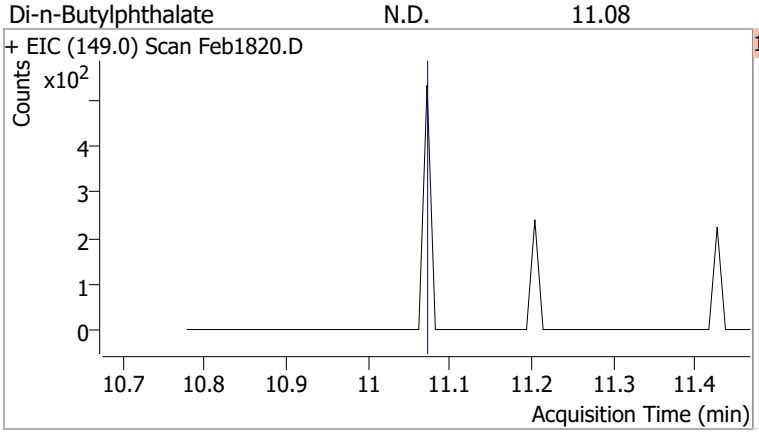


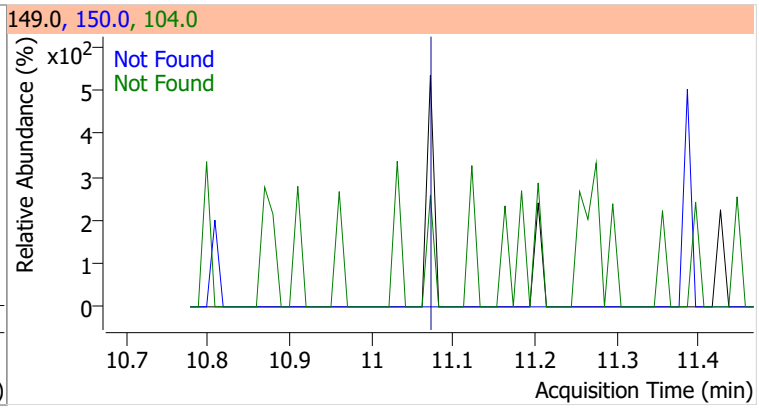
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



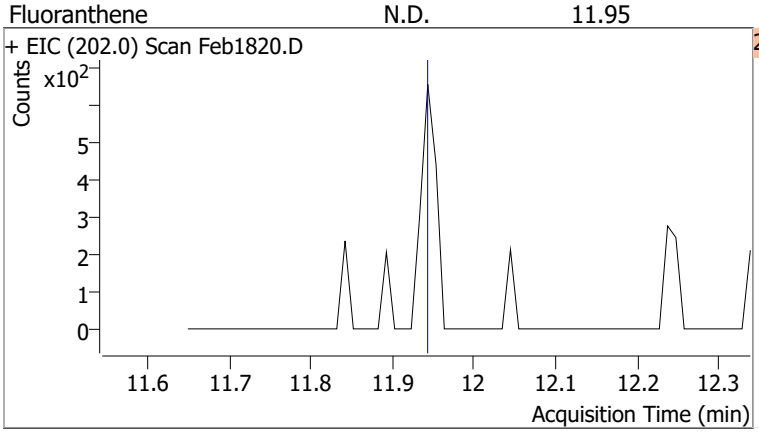


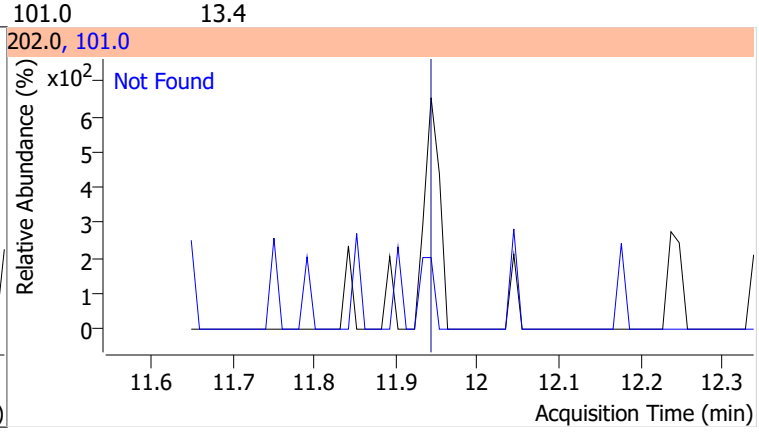
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



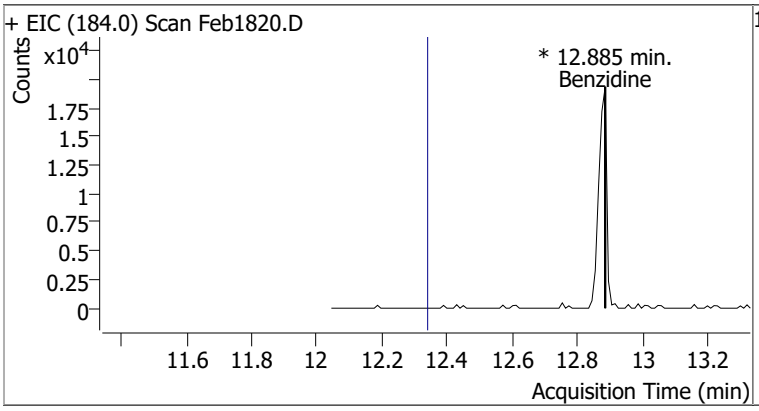


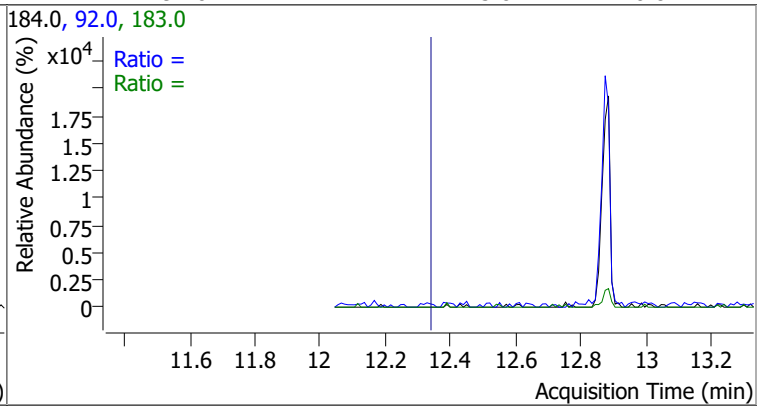
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



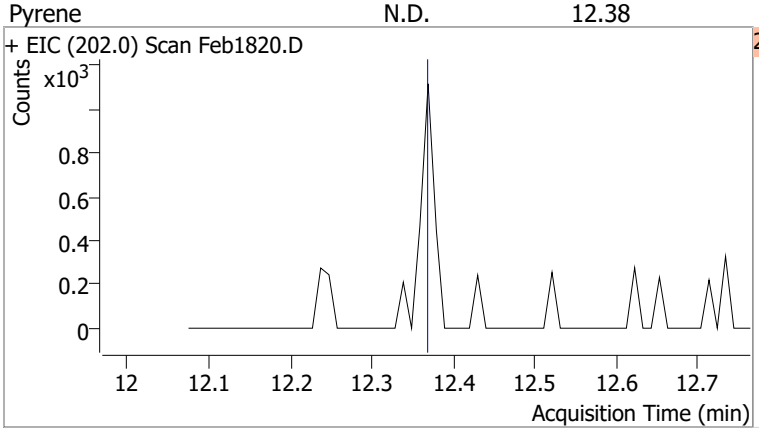


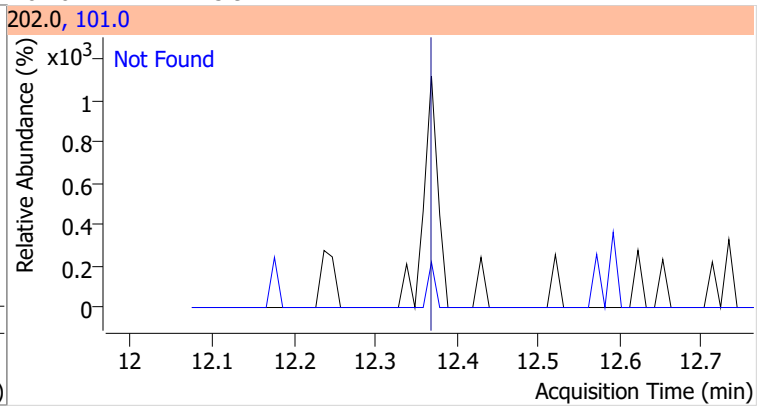
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



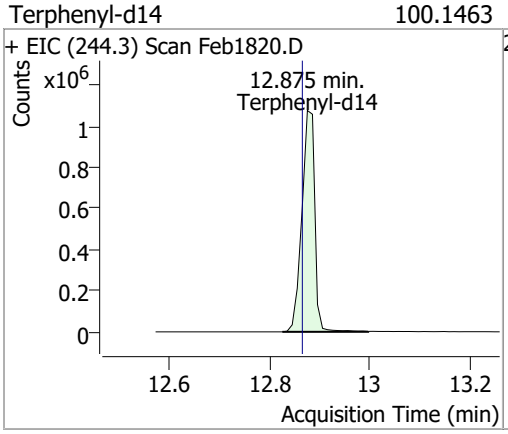


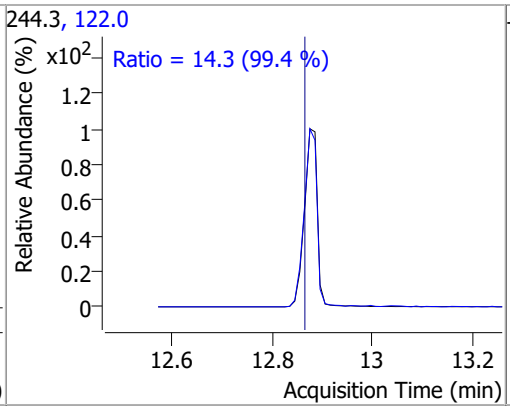
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

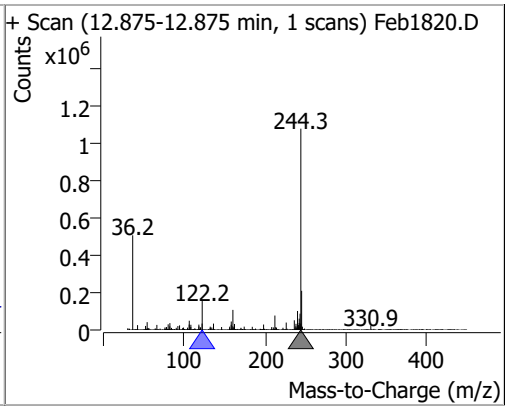




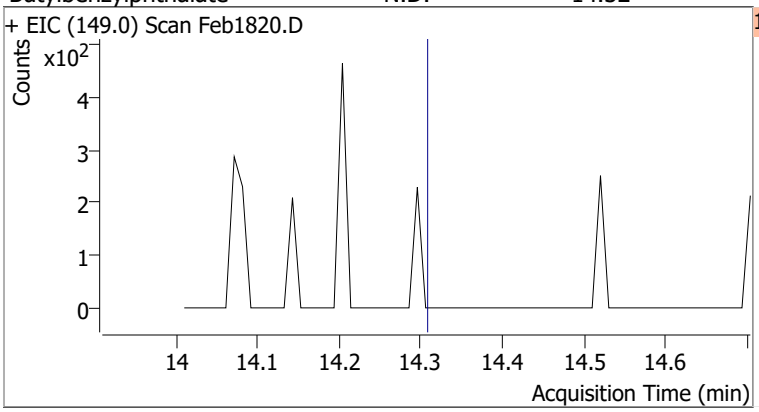
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	100.1463	12.88	0.00	1939019	122.0	14.3	10.1	18.7

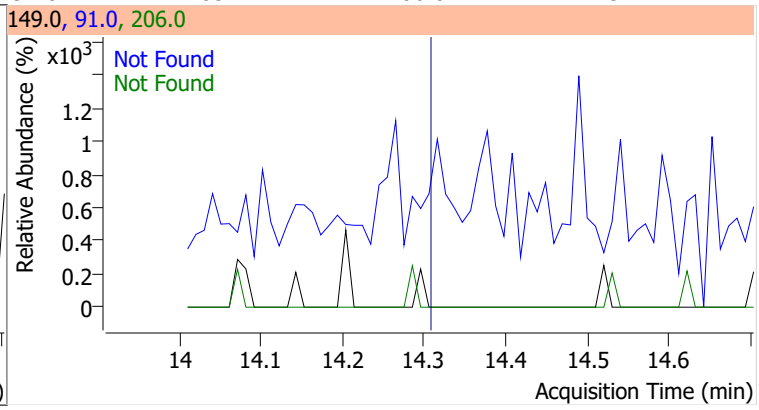




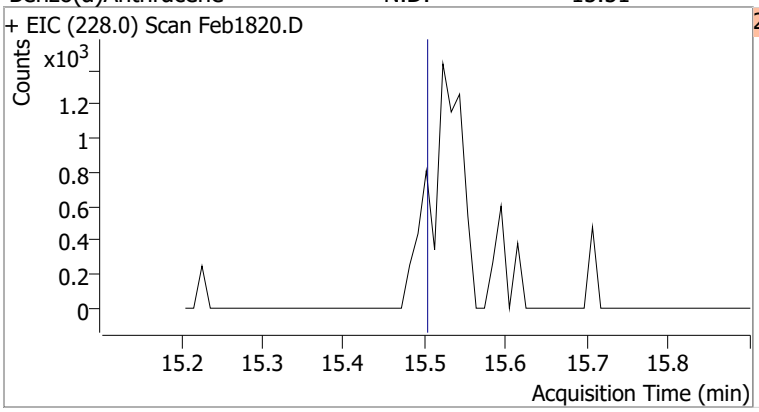


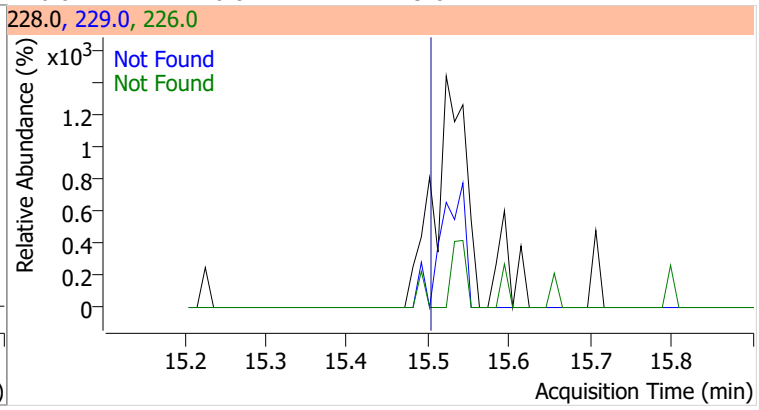
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



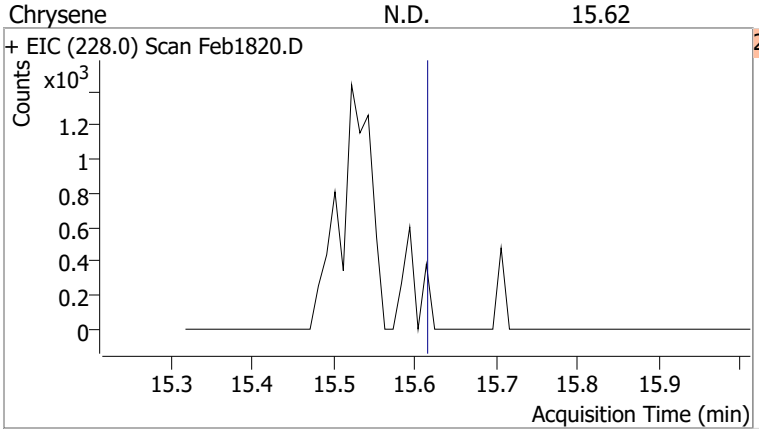


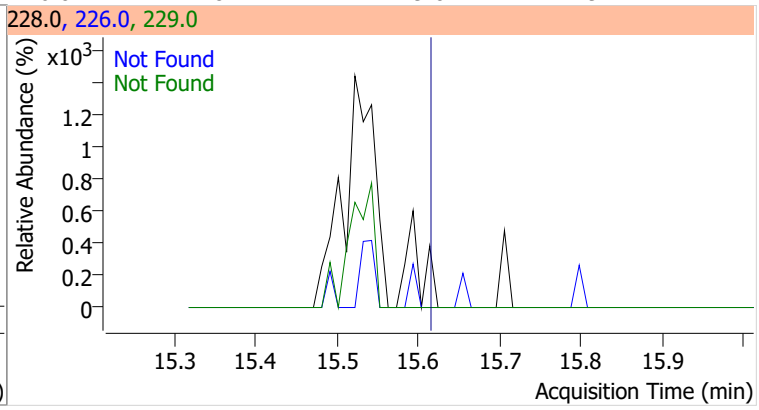
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



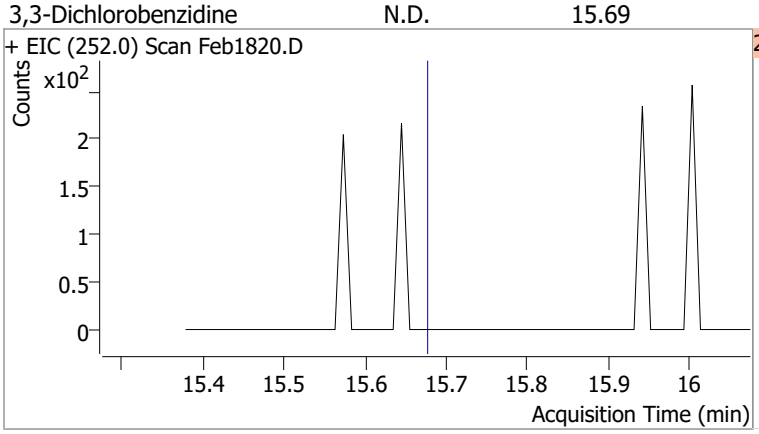


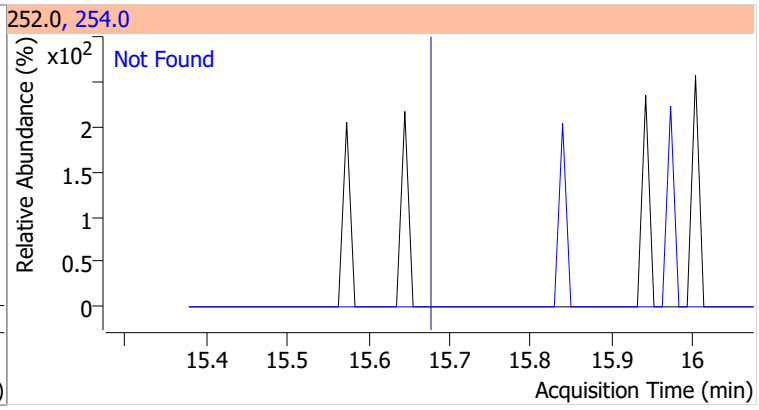
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



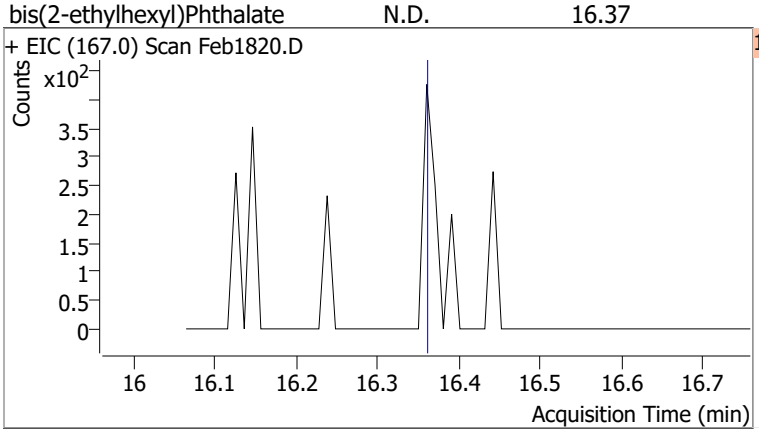


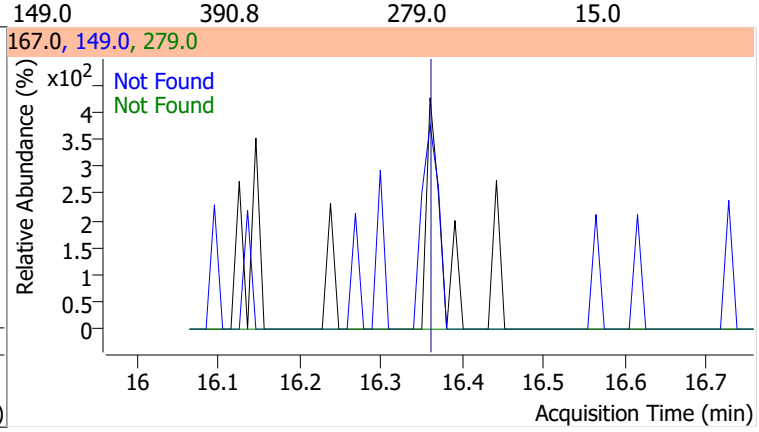
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



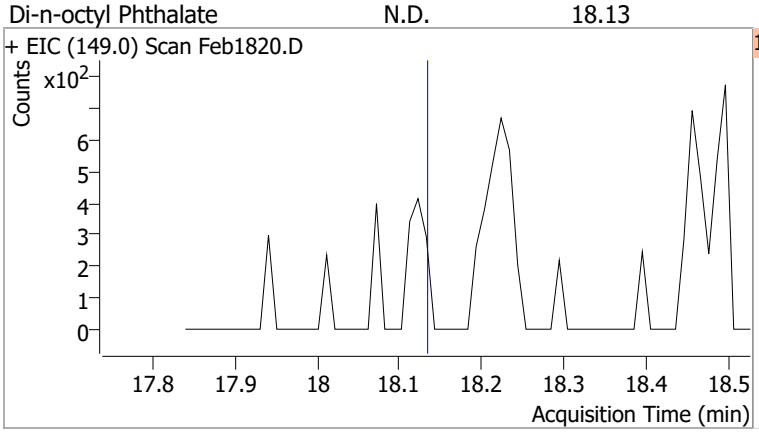


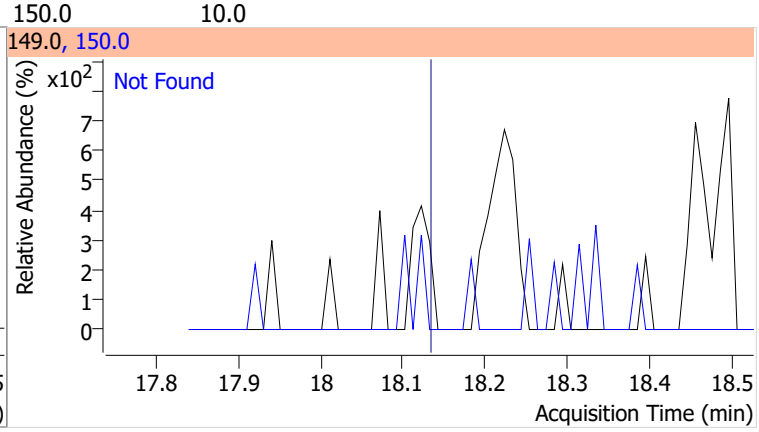
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



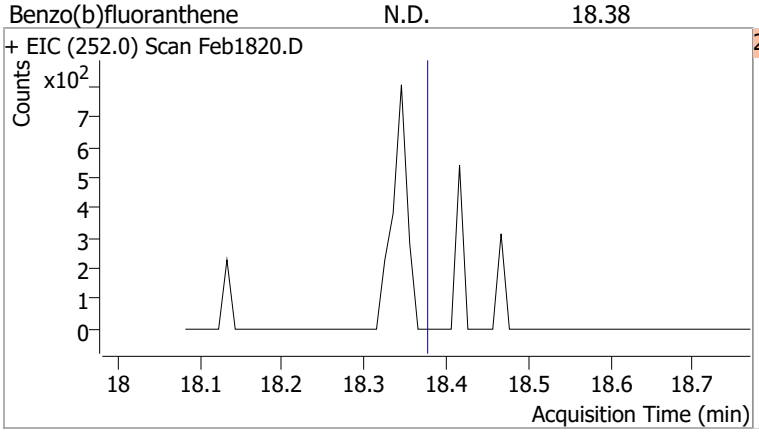


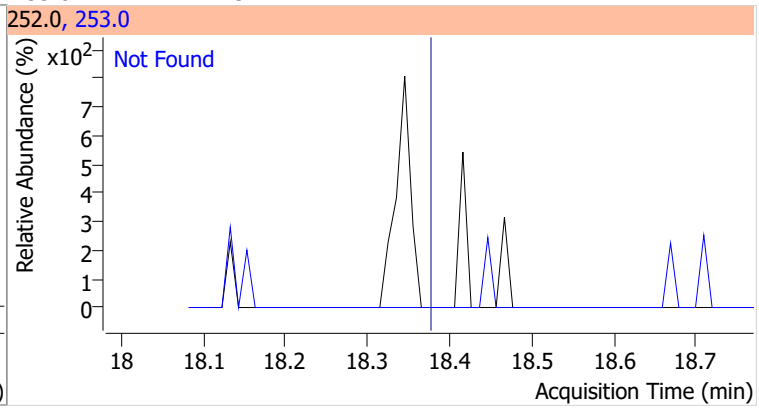
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



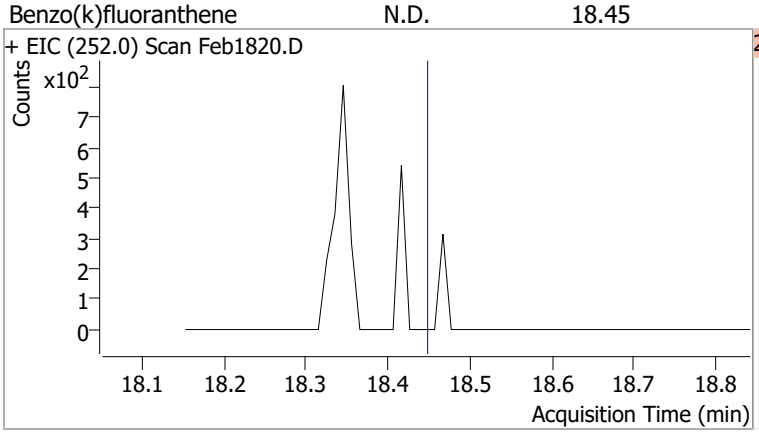


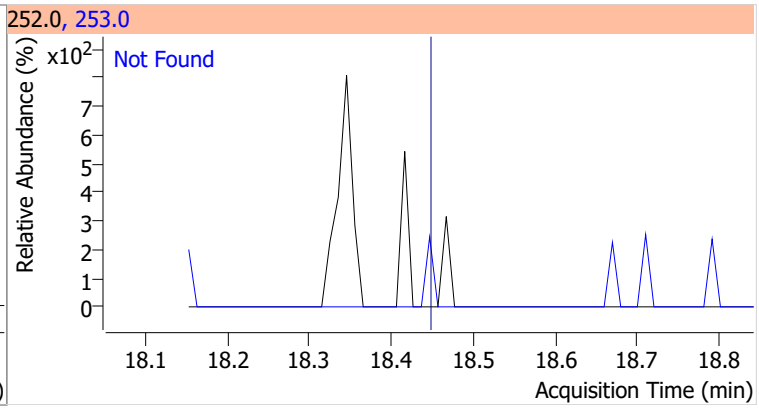
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



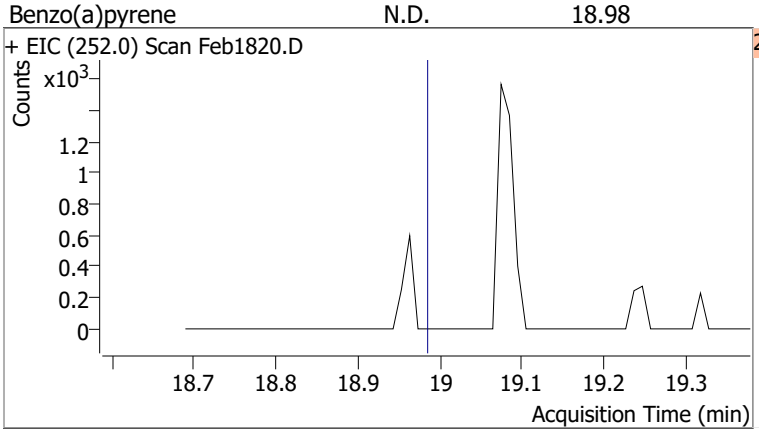


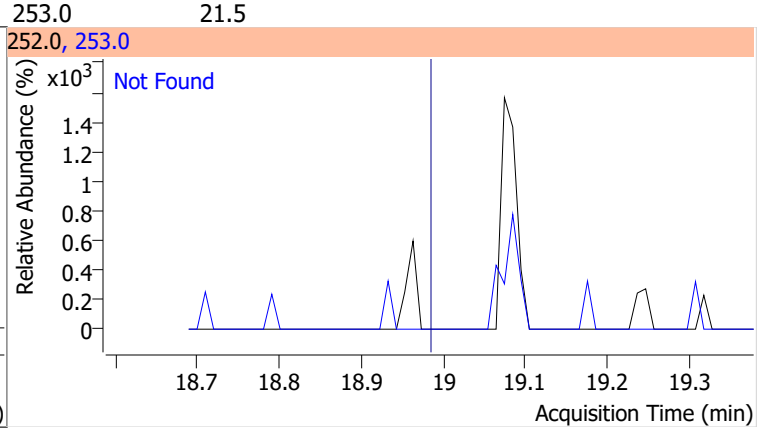
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



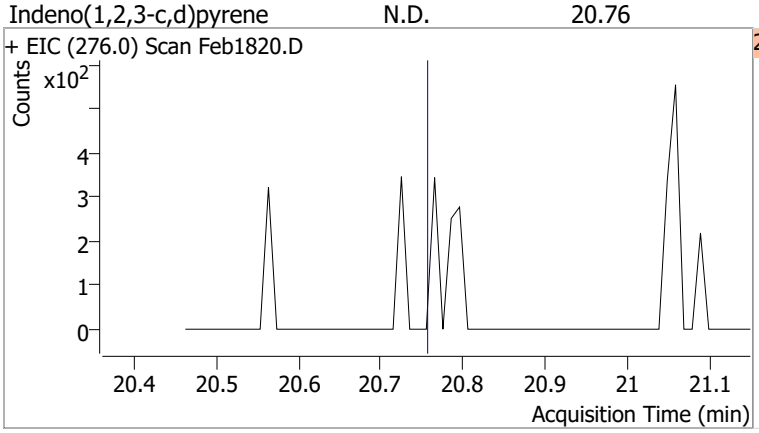


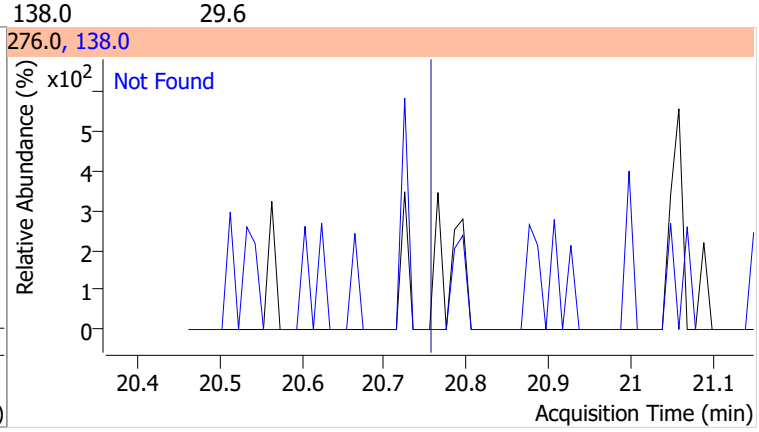
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



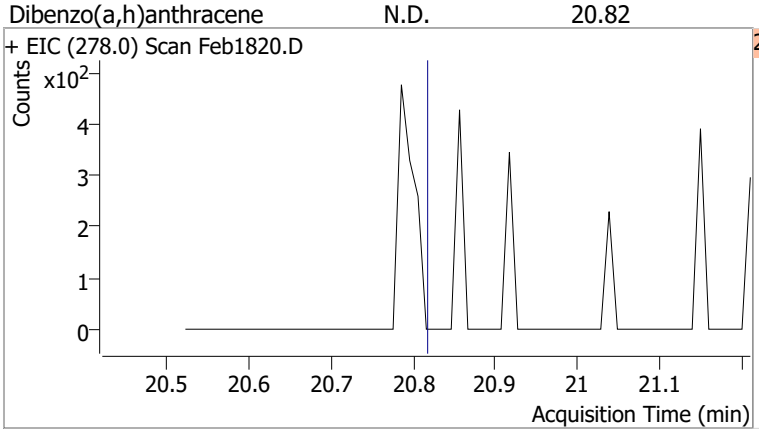


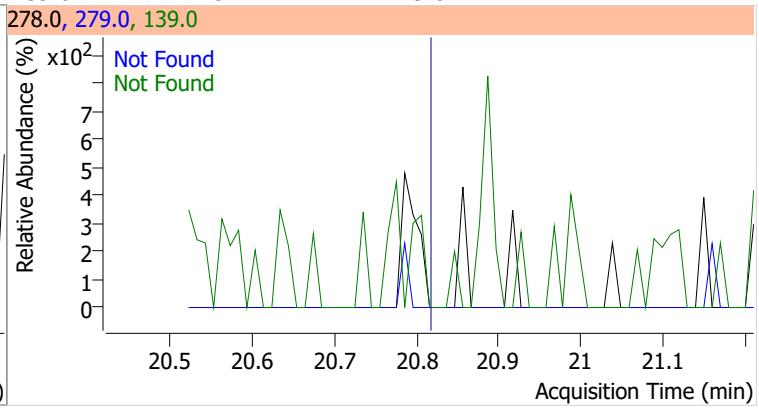
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



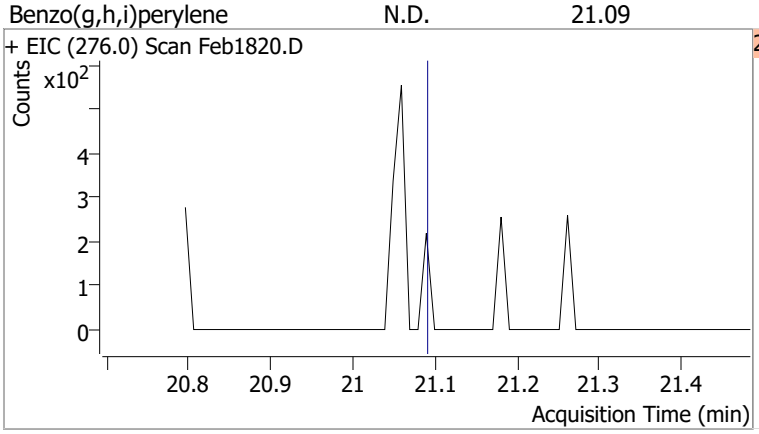


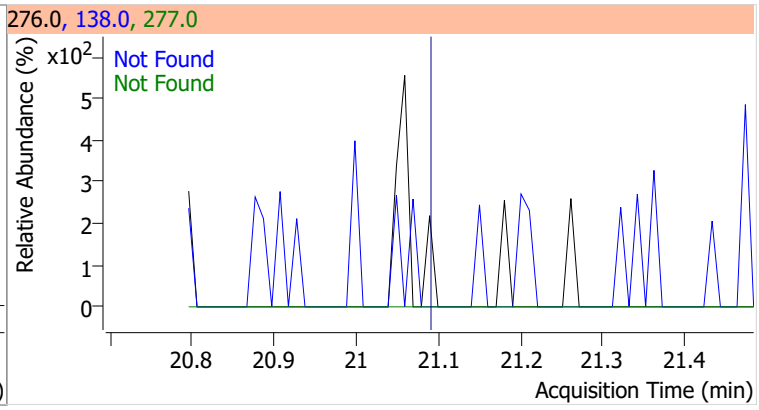
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





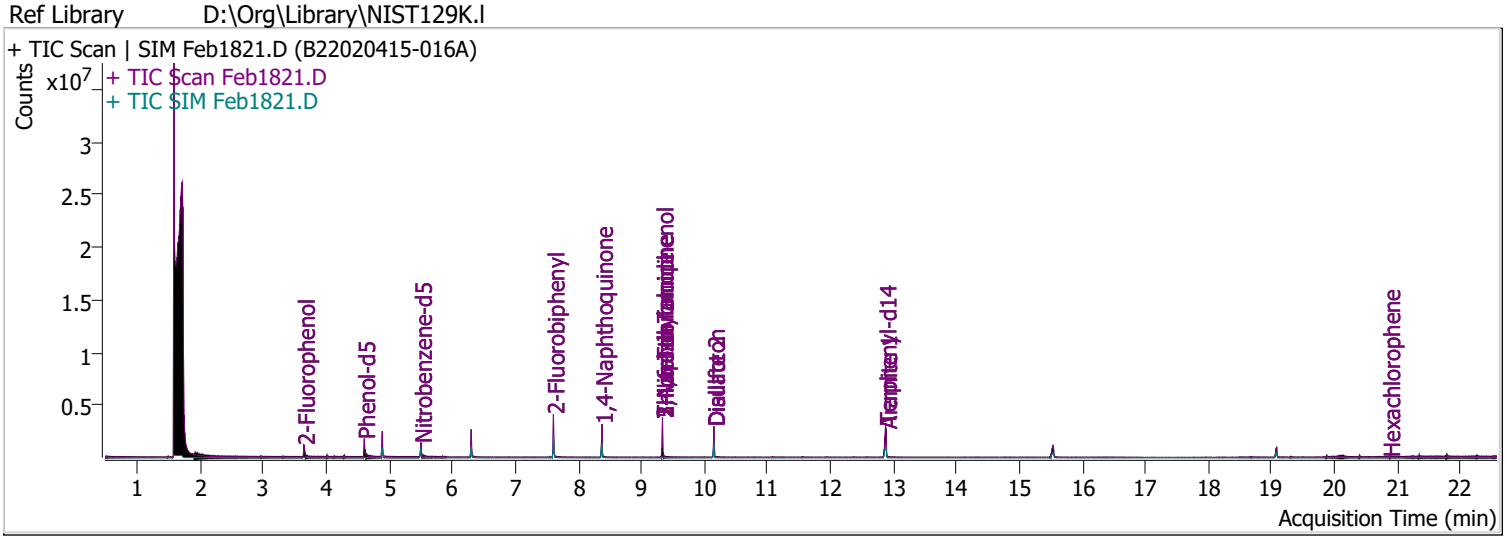
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1821.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 6:47:44 PM
Sample Name	B22020415-016A	Instrument	Instrument #1
Vial	21	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



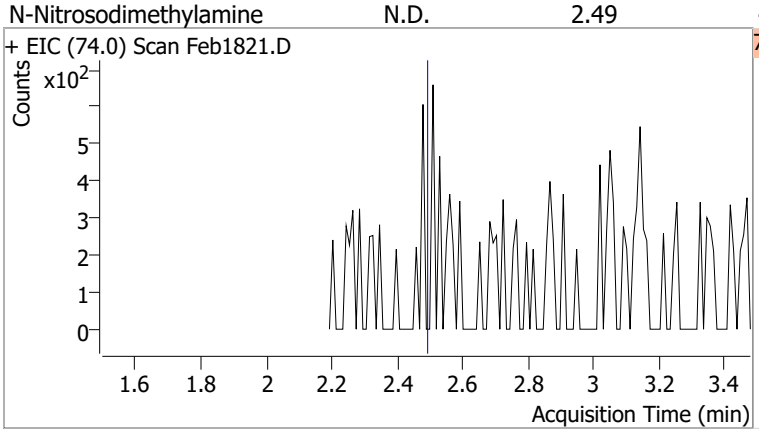
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	470810	51.4928	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 25.75%			
S Phenol-d5	4.603	99.0	621352	51.9424	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 25.97%			
S Nitrobenzene-d5	5.502	82.0	367102	55.6184	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 55.62%			
S 2-Fluorobiphenyl	7.605	172.0	1196424	62.0074	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 62.01%			
S 2,4,6-Tribromophenol	9.336	329.8	280413	162.6494	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 81.32%			
S Terphenyl-d14	12.875	244.3	1865090	103.5335	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 103.53%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.			
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

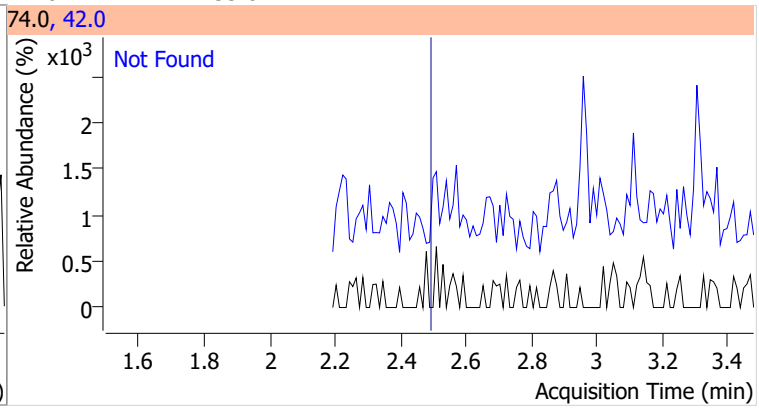
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	6.300	130.0	0		µg/L	md	1
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

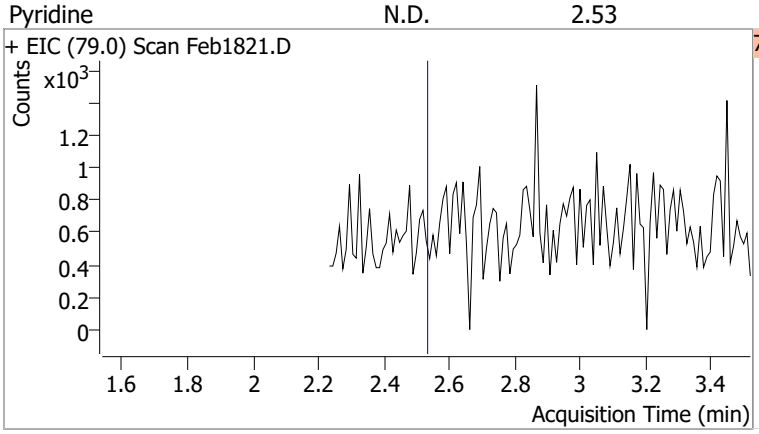
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

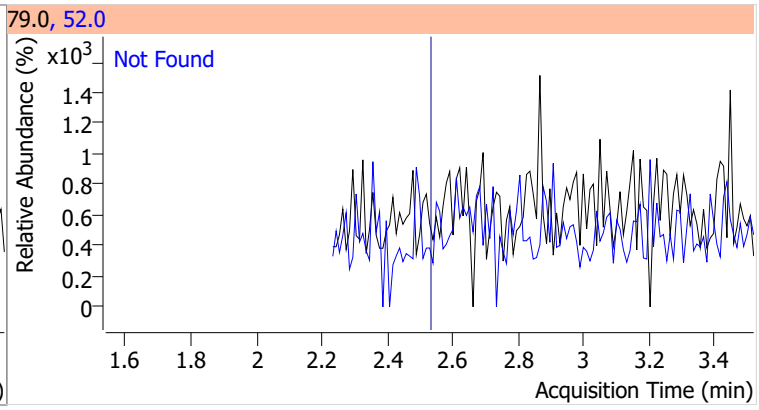
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



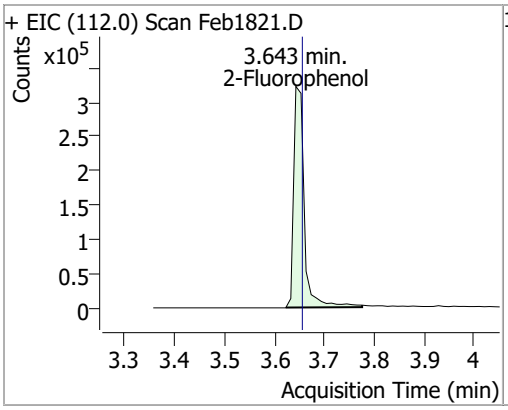


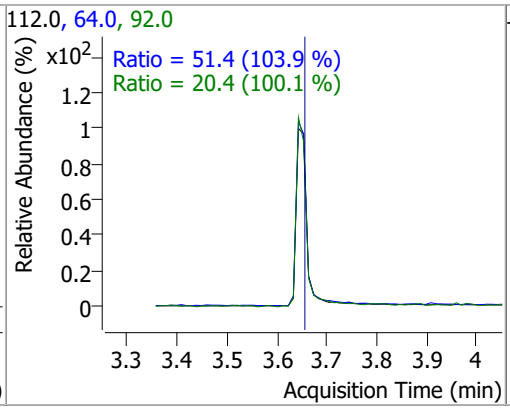
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

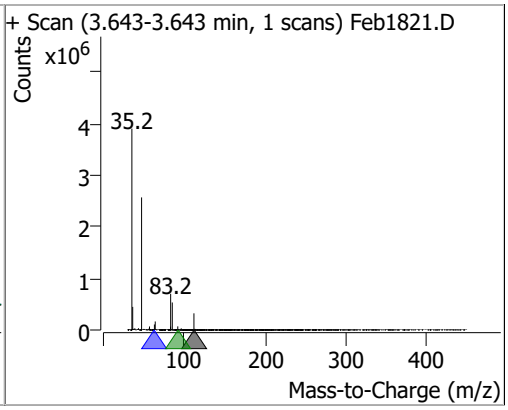




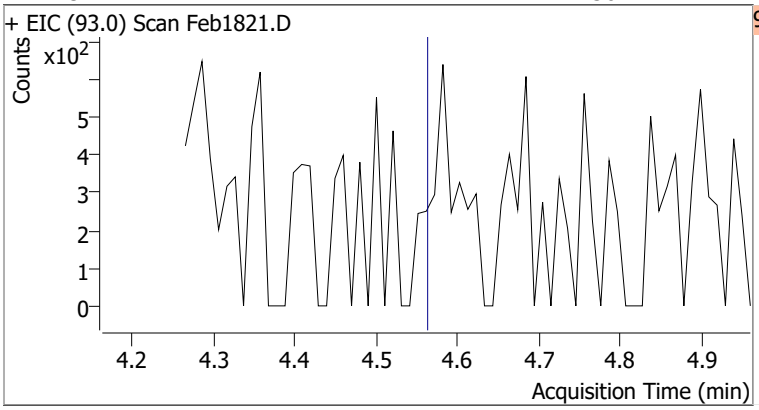
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	51.4928	3.64	-0.01	470810	64.0	51.4	34.6	64.3
					92.0	20.4	14.2	26.5

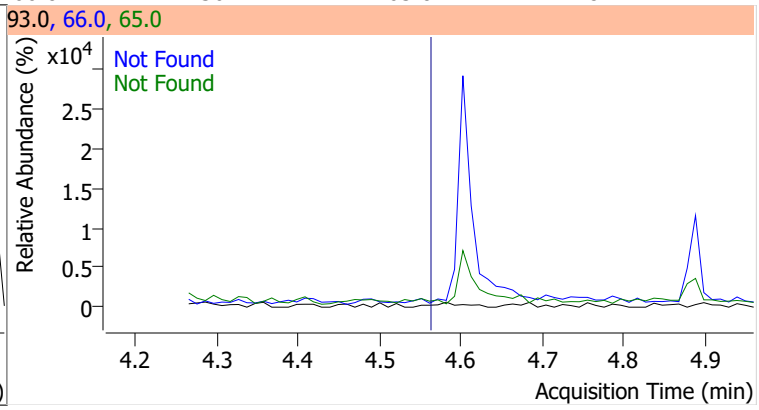




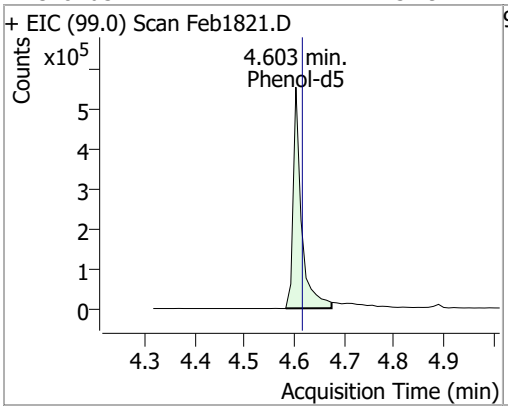


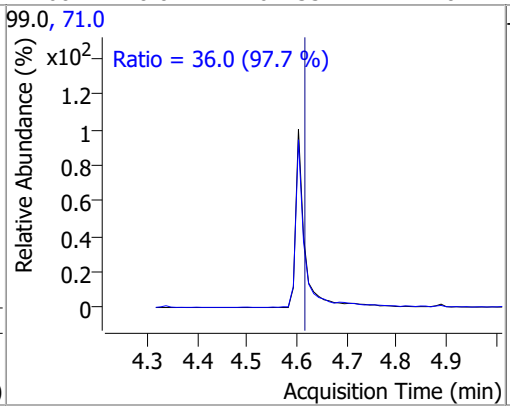
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

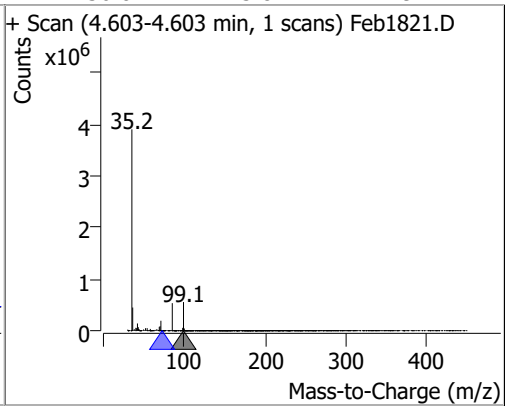




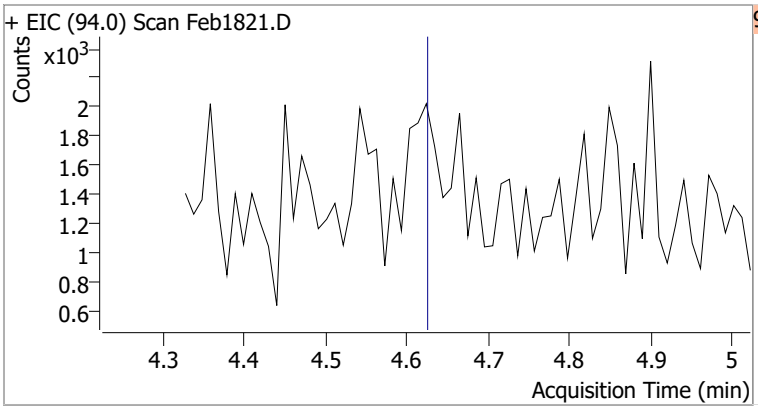
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	51.9424	4.60	-0.01	621352	71.0	36.0	25.8	47.9

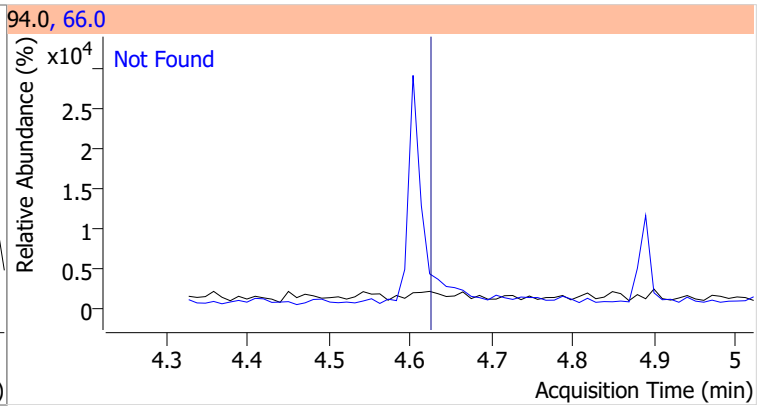




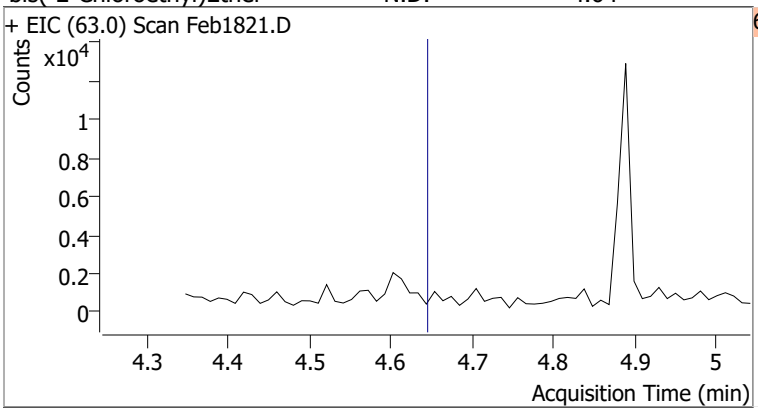


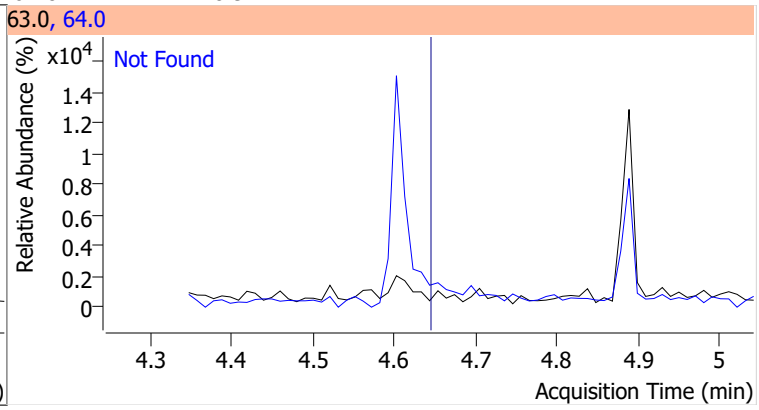
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



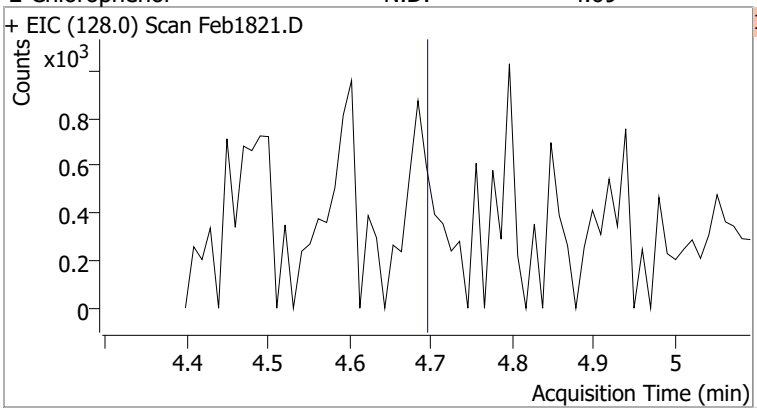


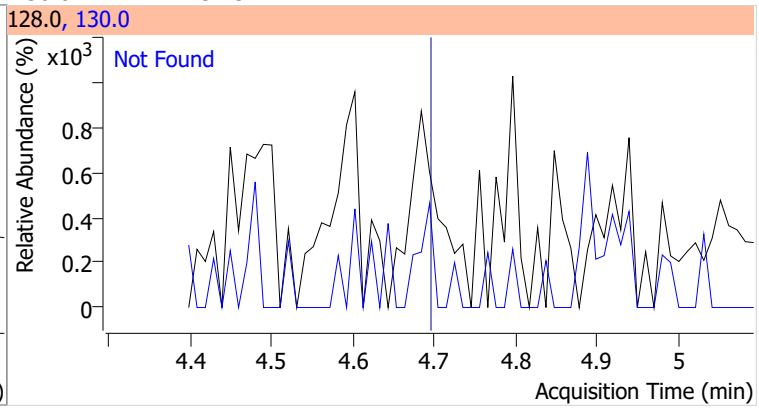
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



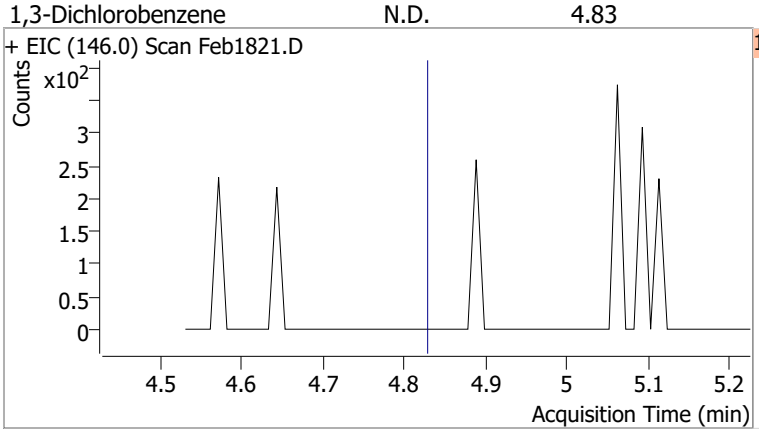


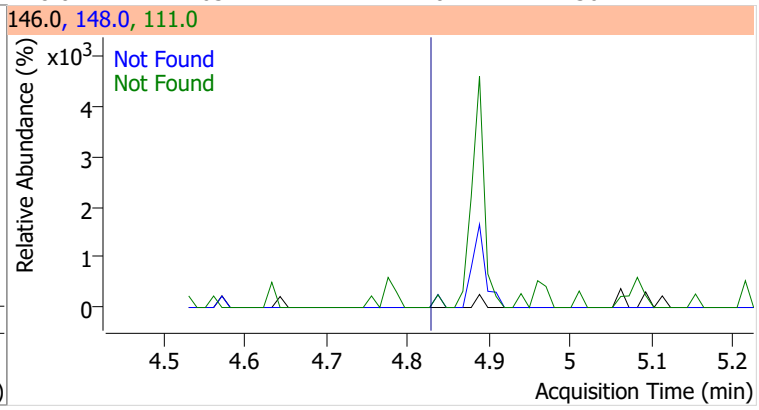
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



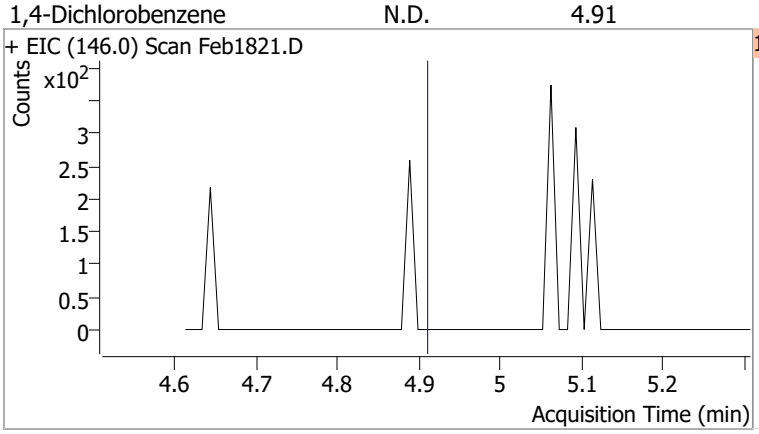


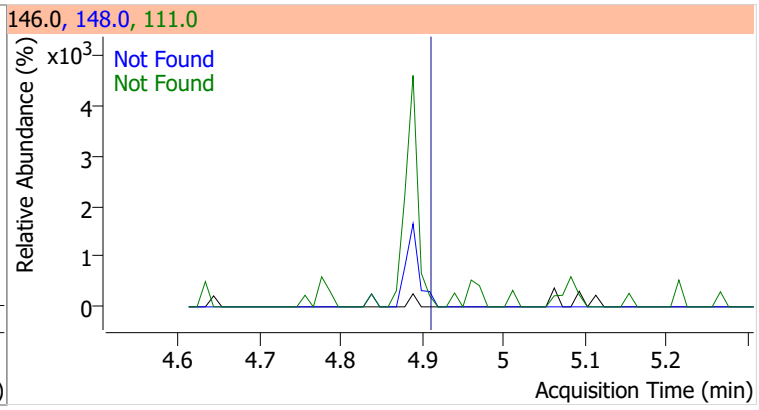
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



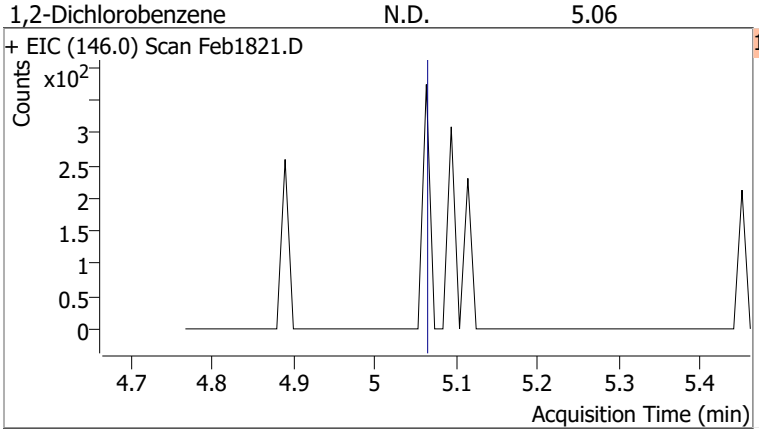


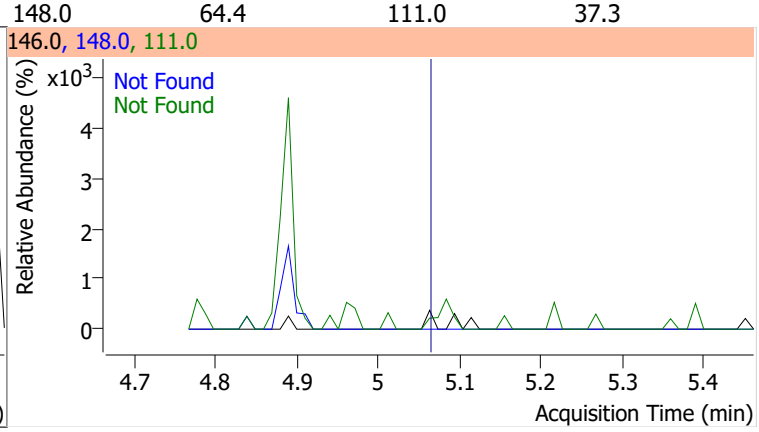
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



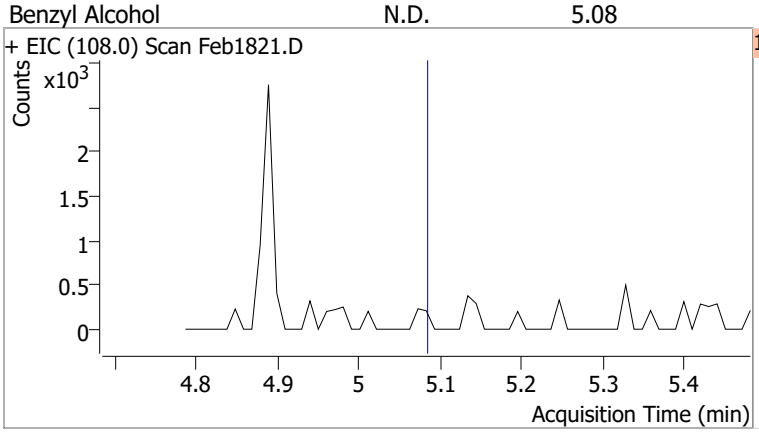


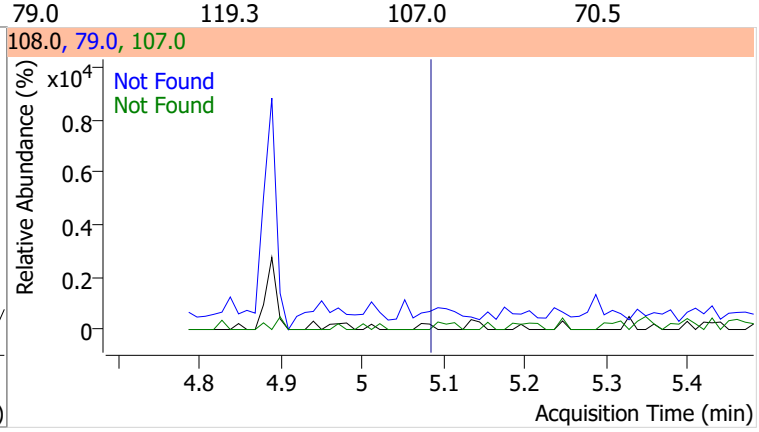
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



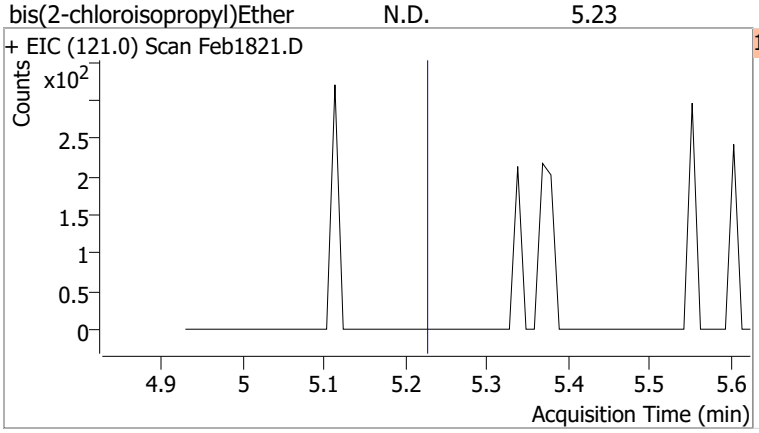


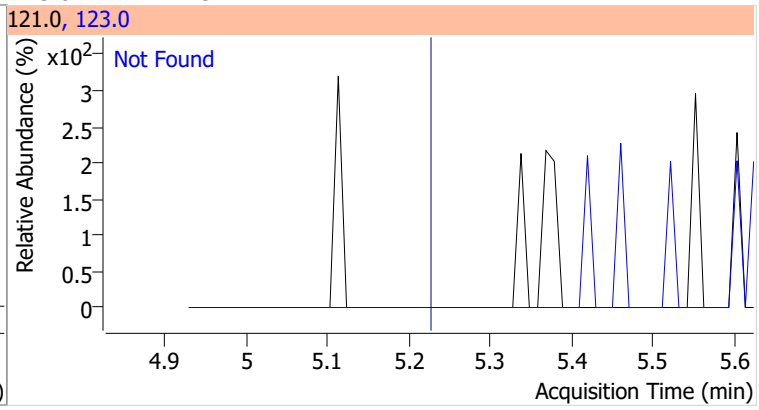
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



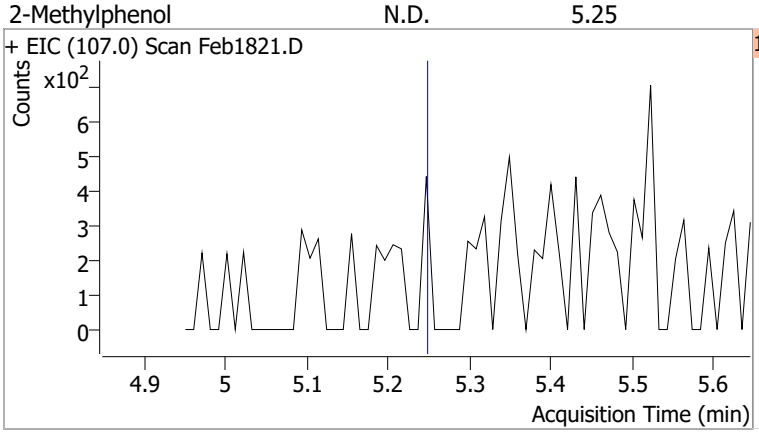


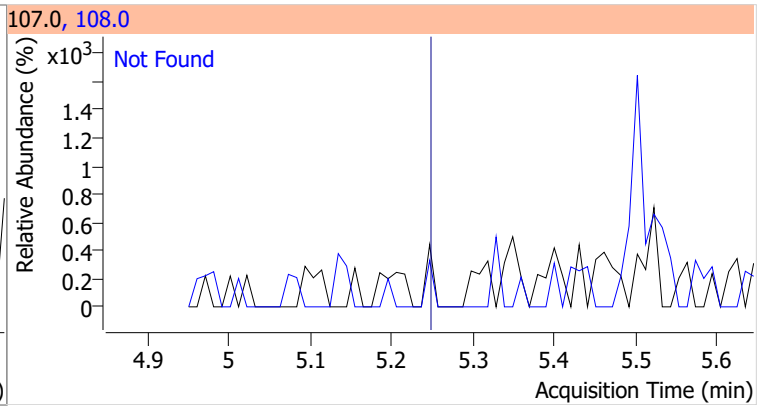
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



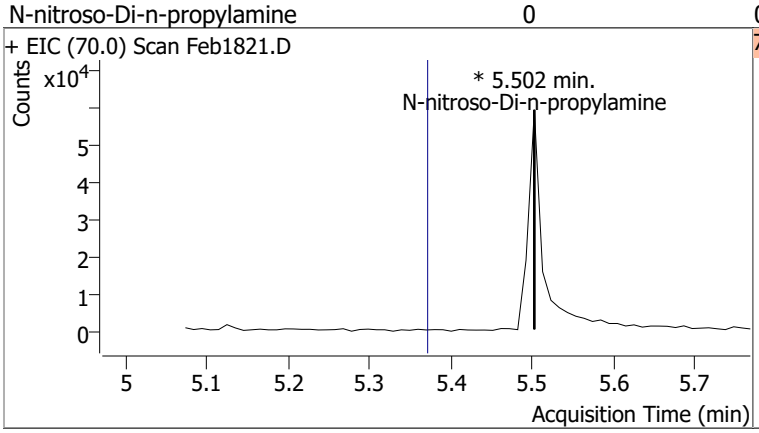


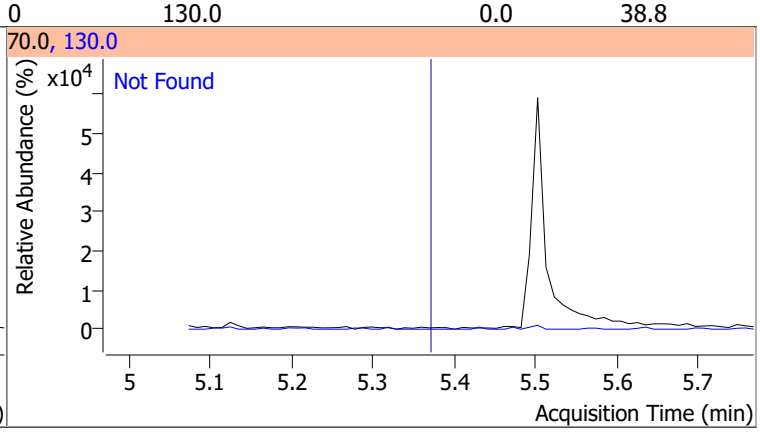
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



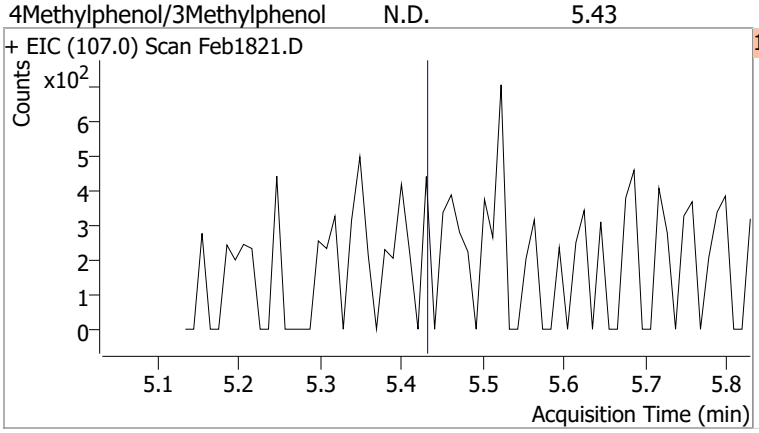


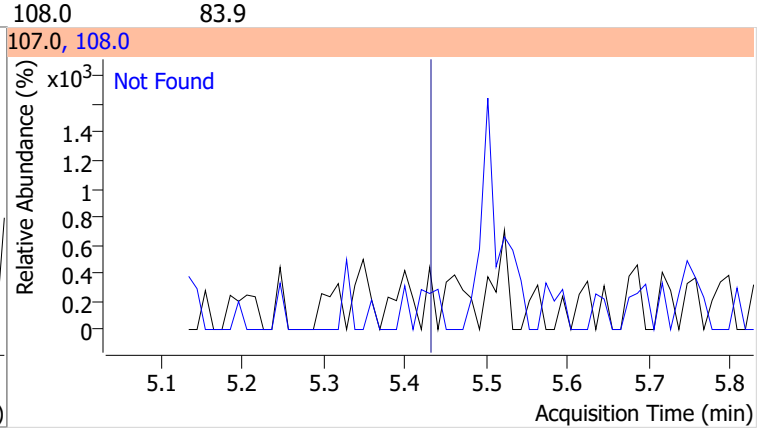
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



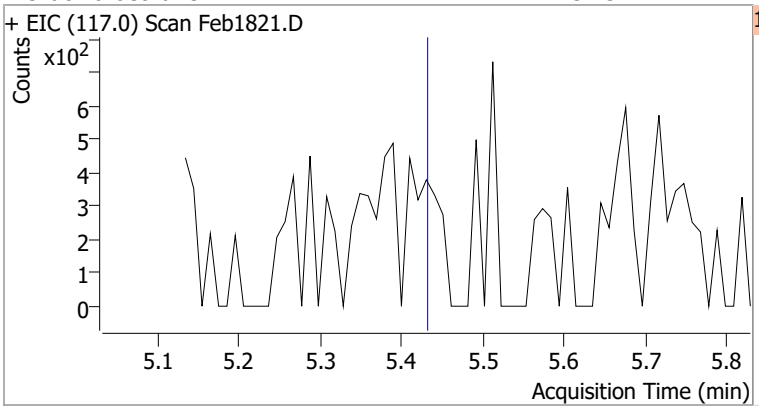


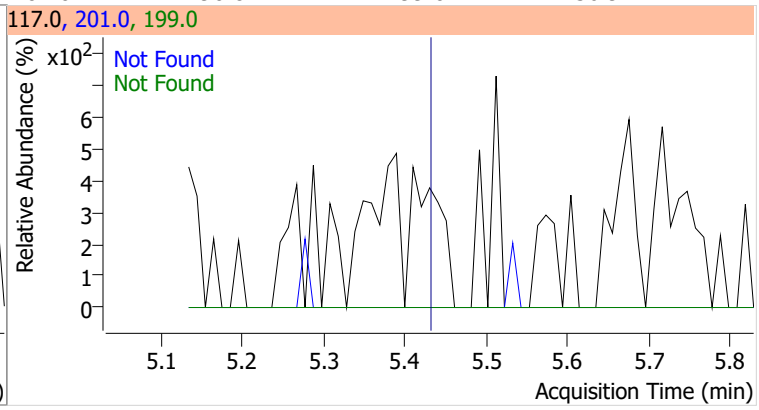
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



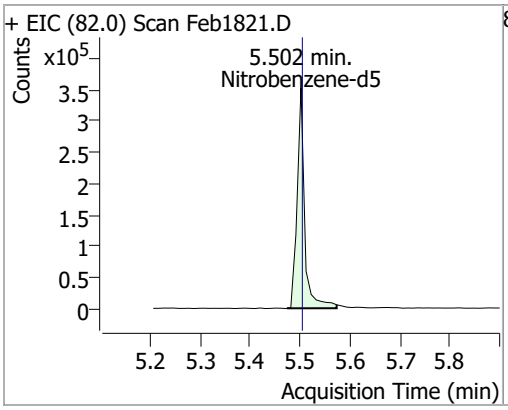


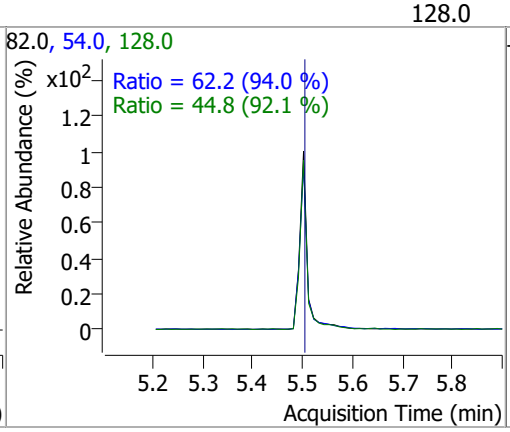
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

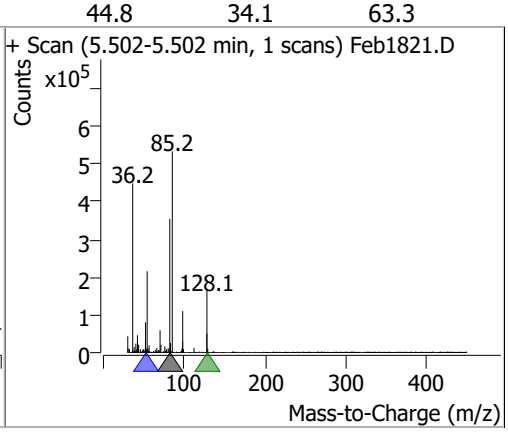




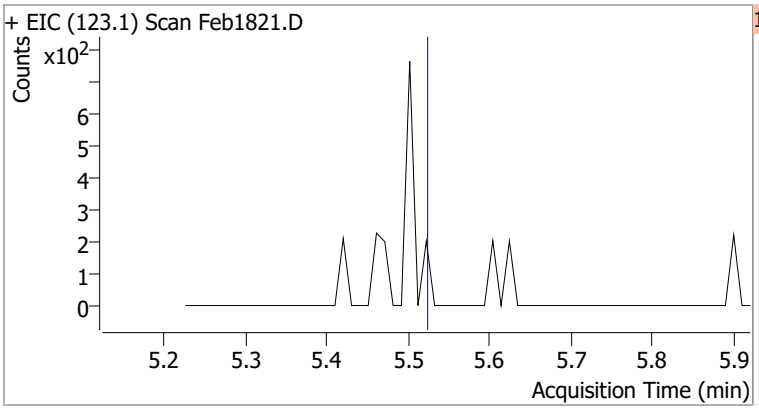
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	55.6184	5.50	0.00	367102	54.0	62.2	46.3	86.0
					128.0	44.8	34.1	63.3

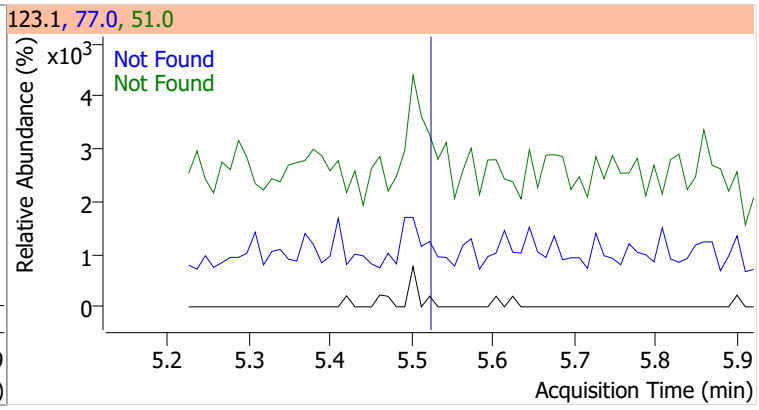




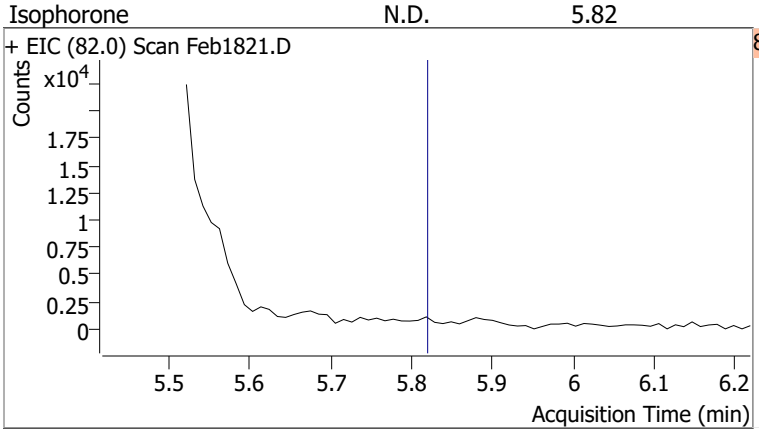


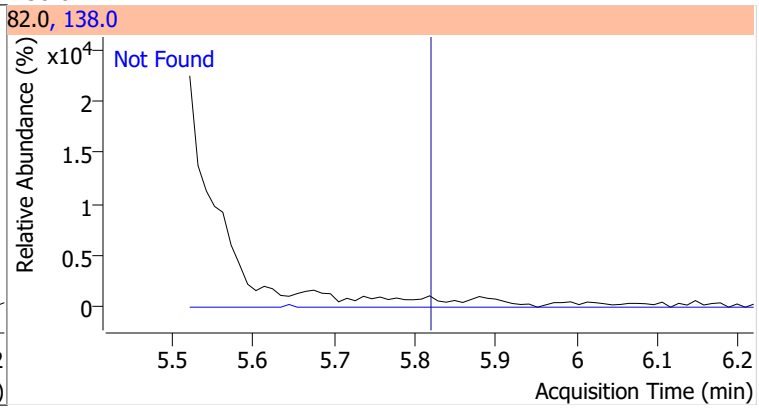
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



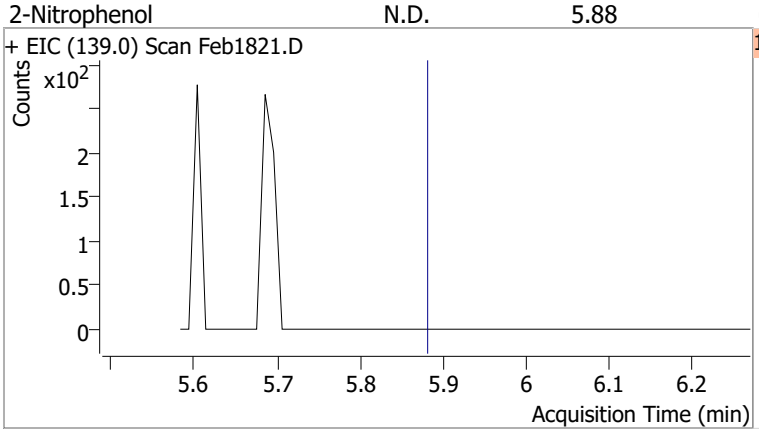


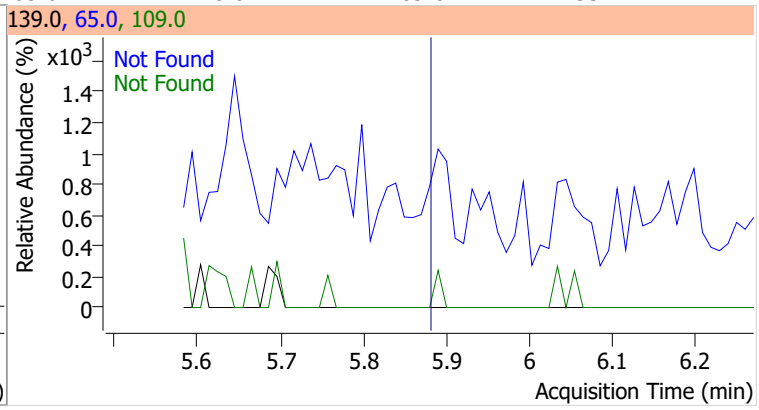
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



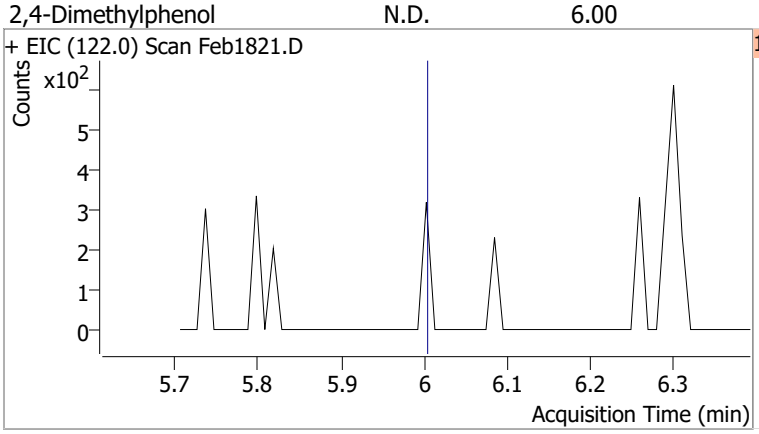


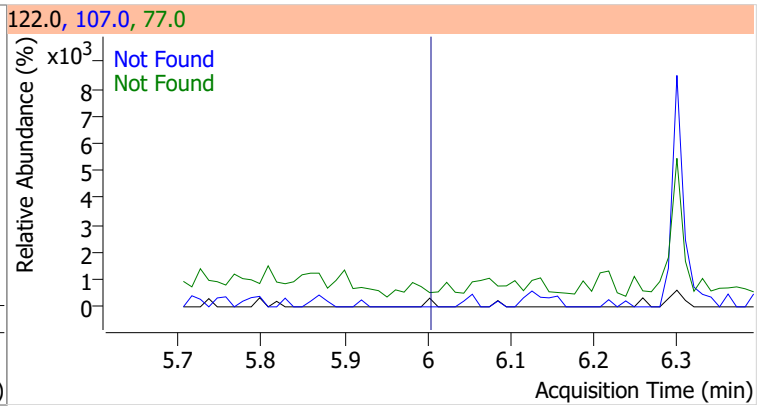
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



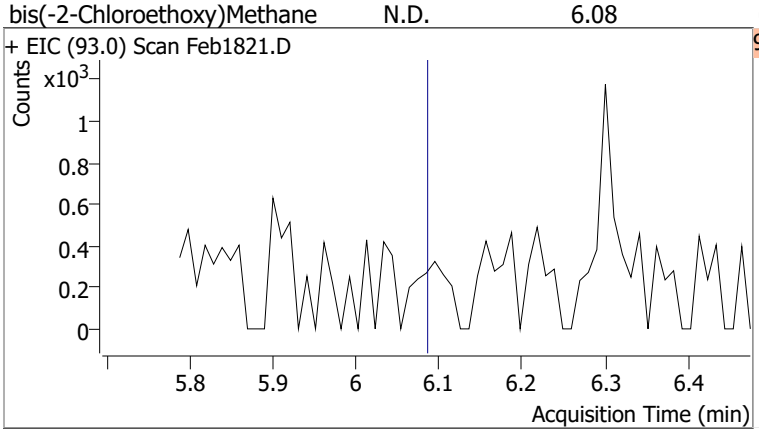


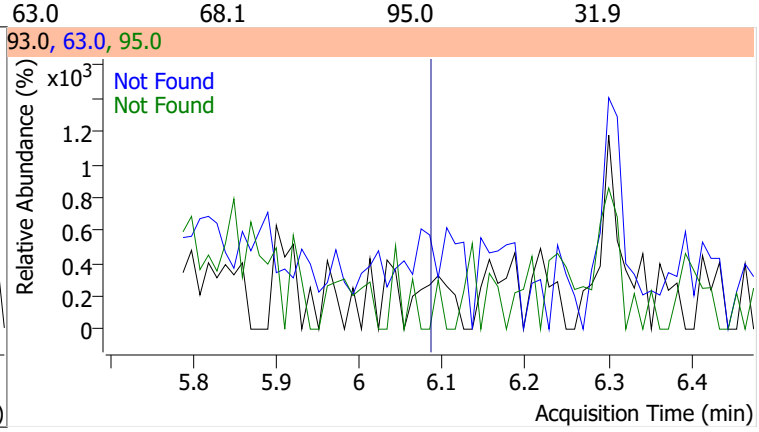
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



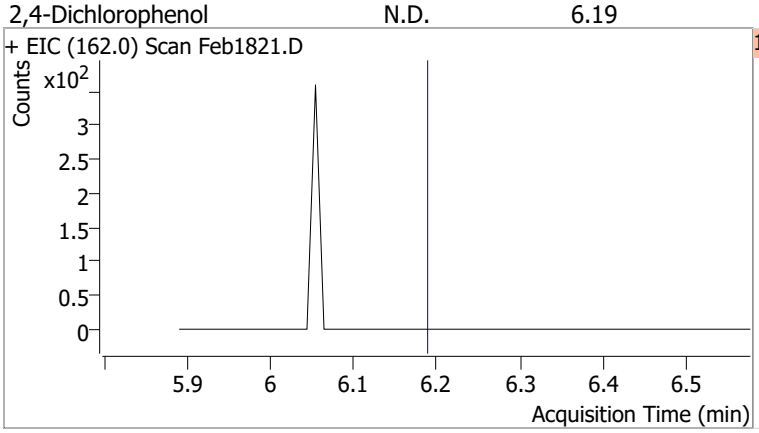


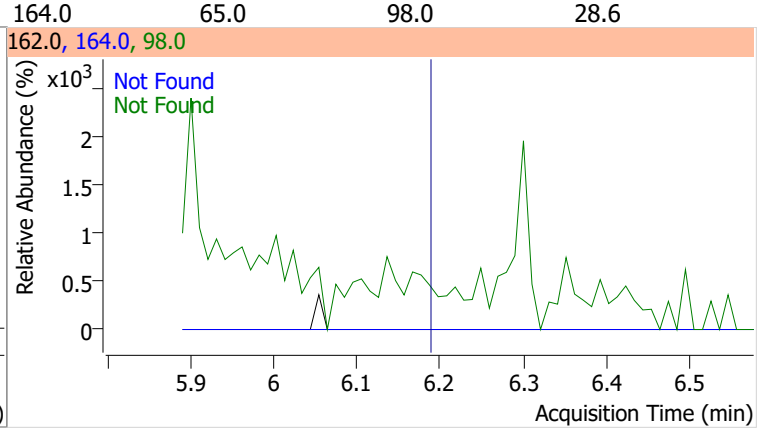
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



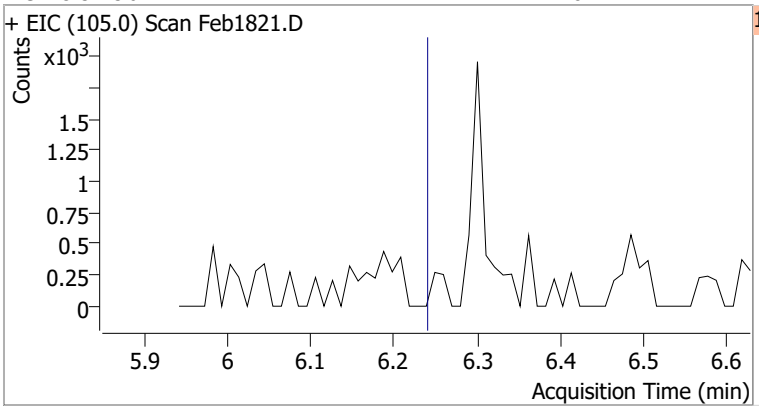


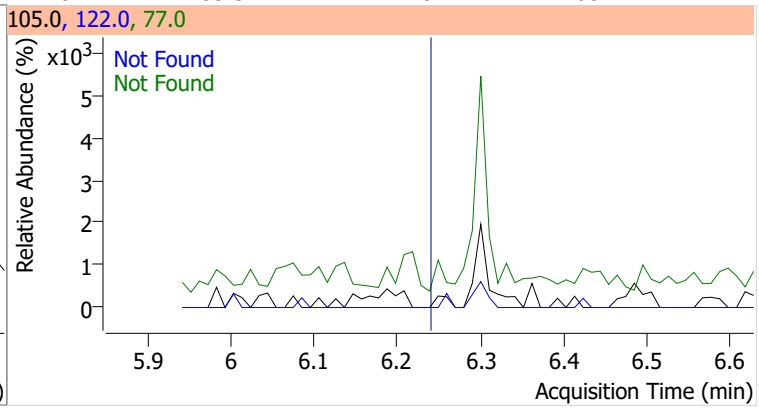
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



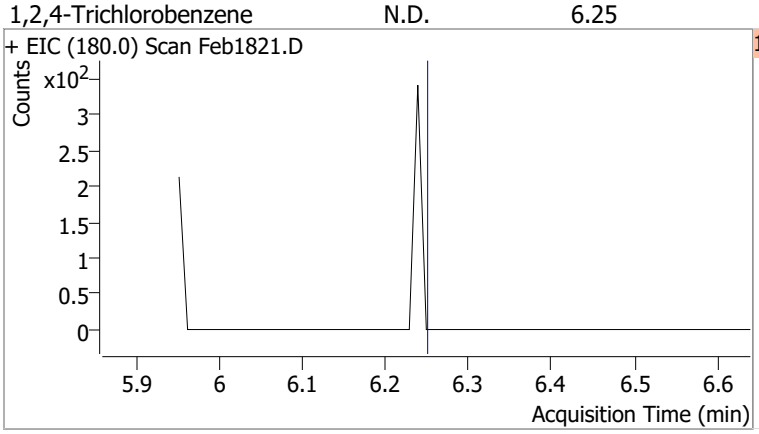


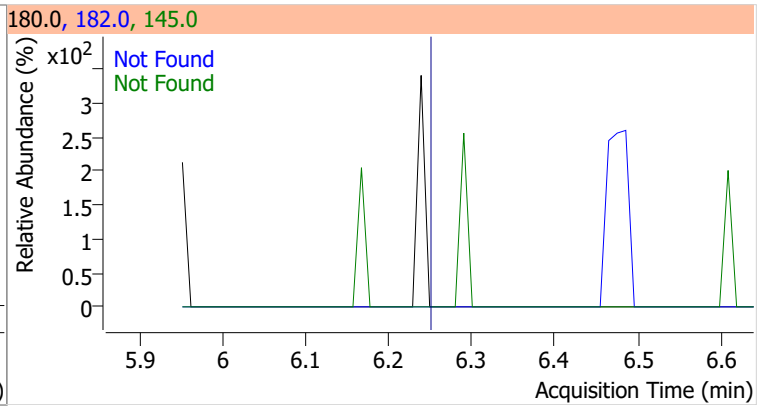
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



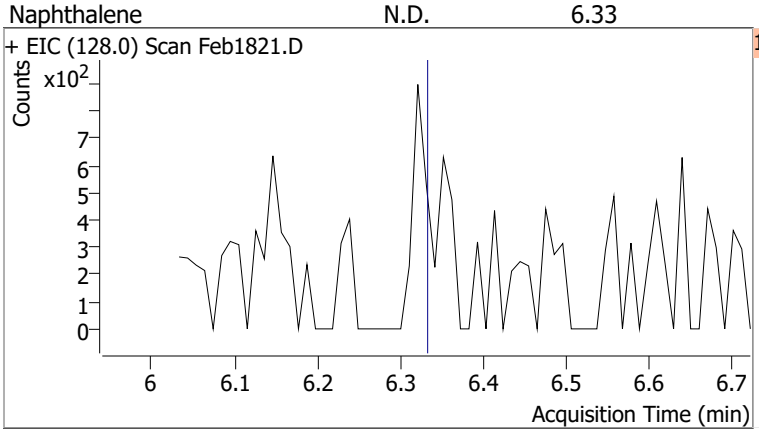


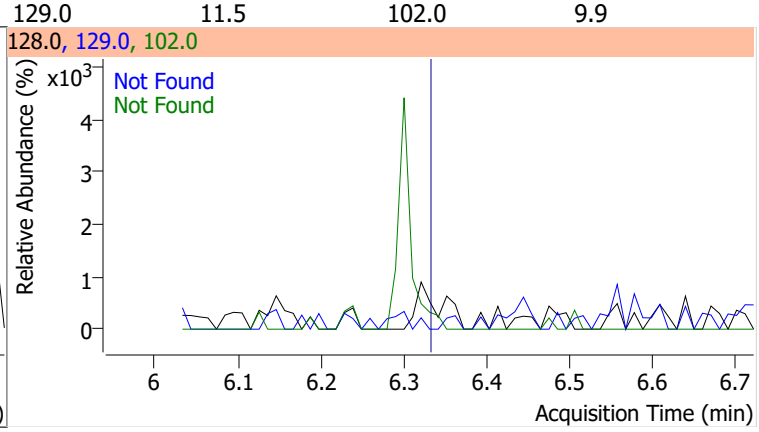
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



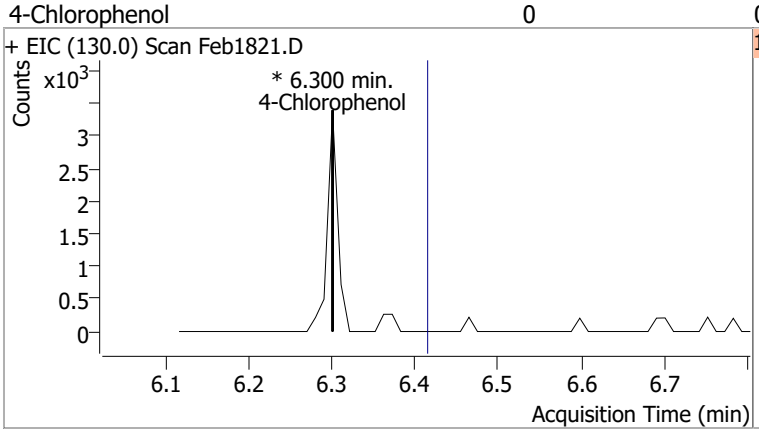


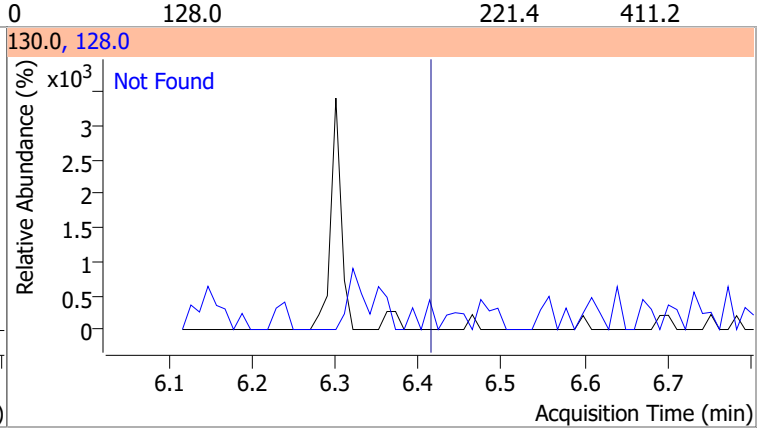
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



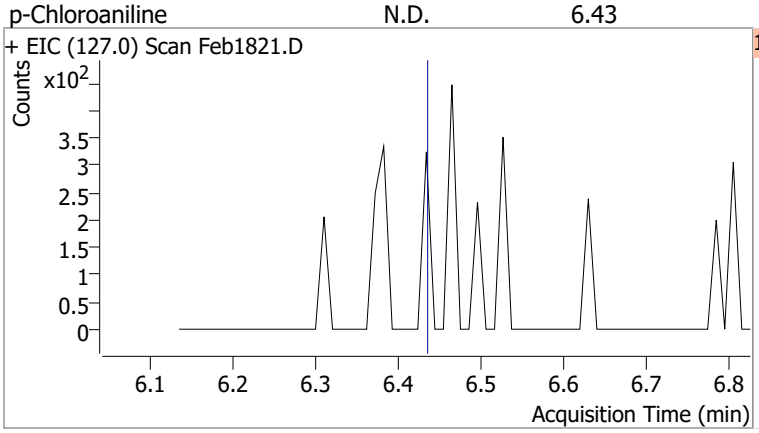


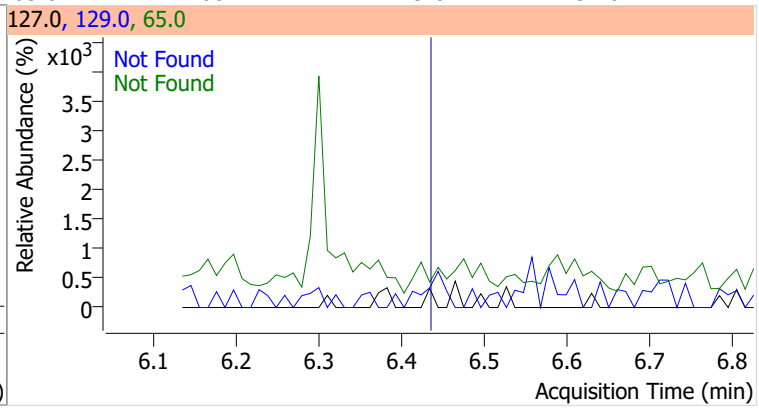
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol		0		0	128.0		221.4	411.2



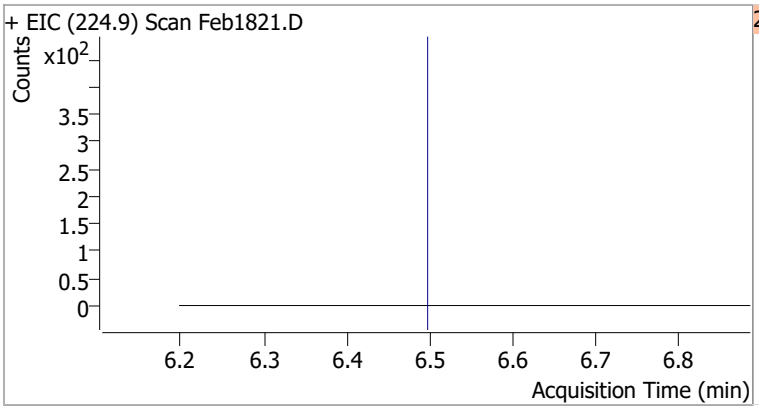


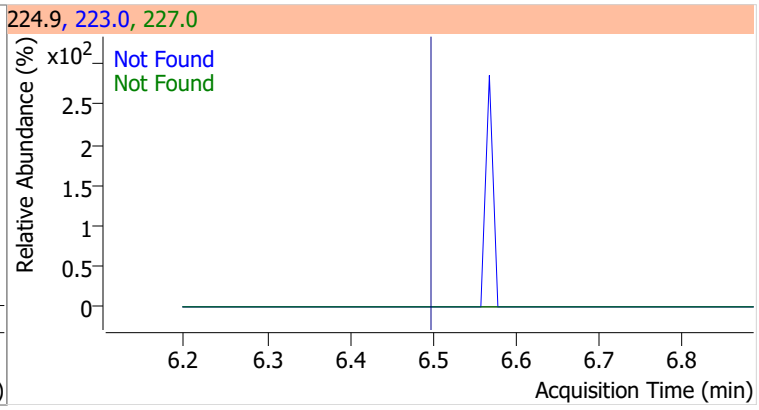
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



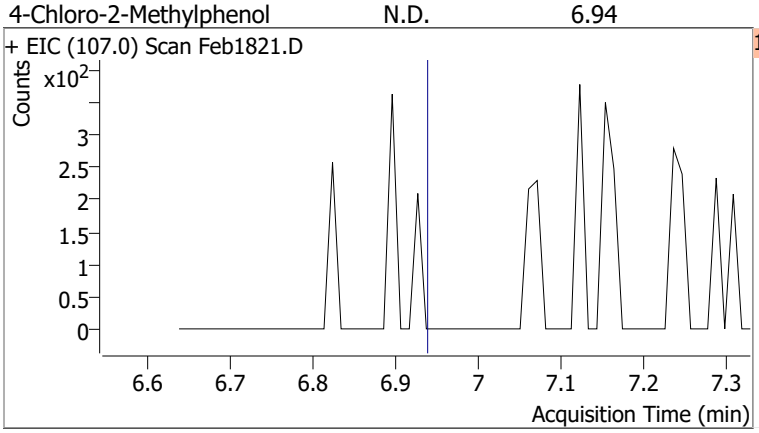


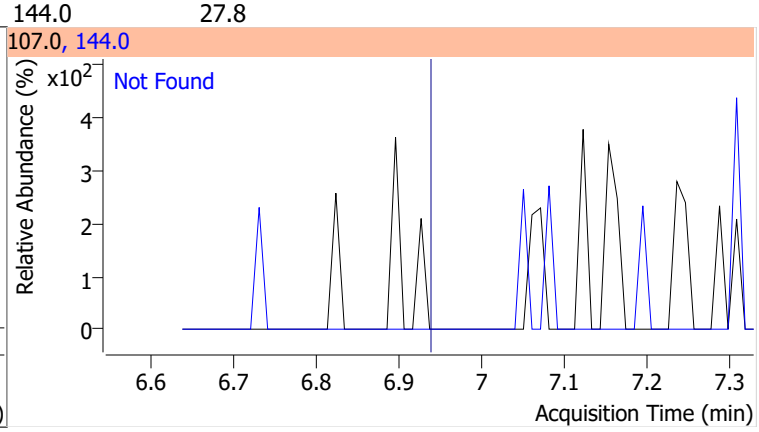
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



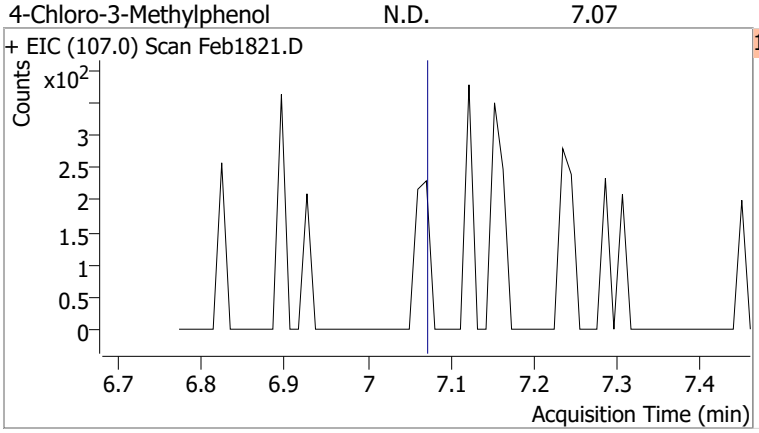


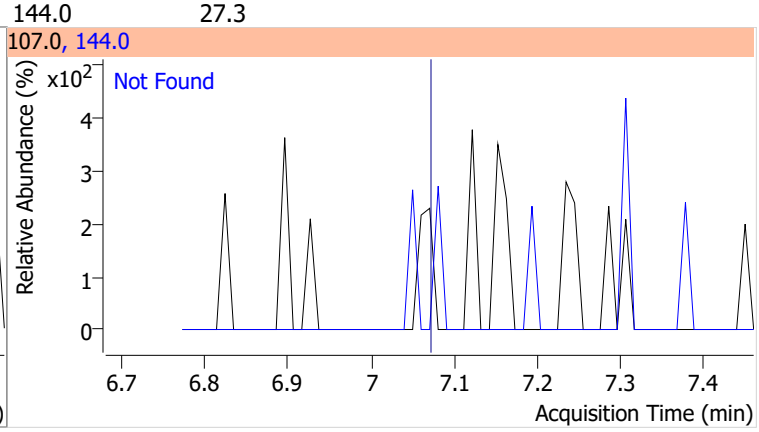
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



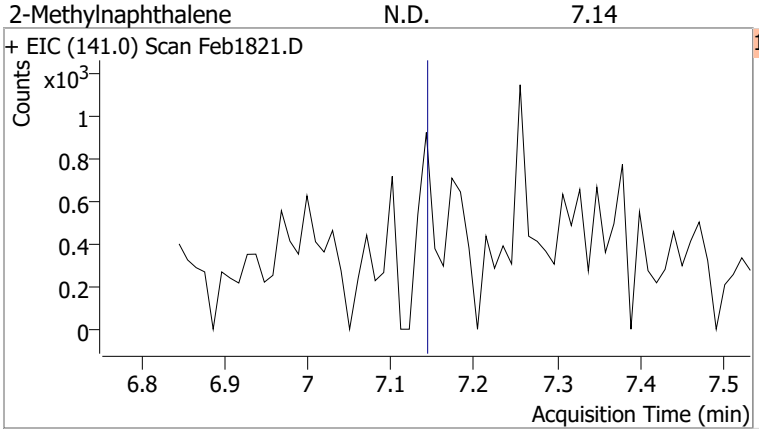


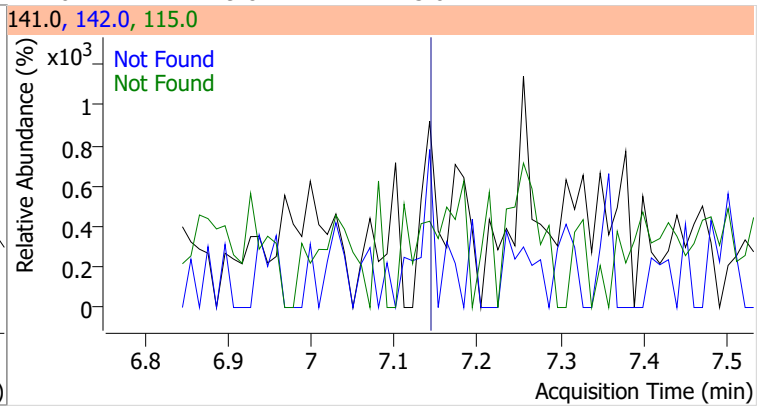
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



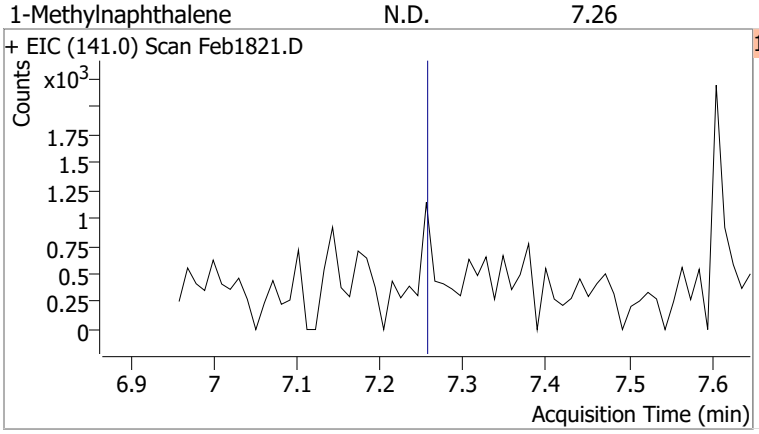


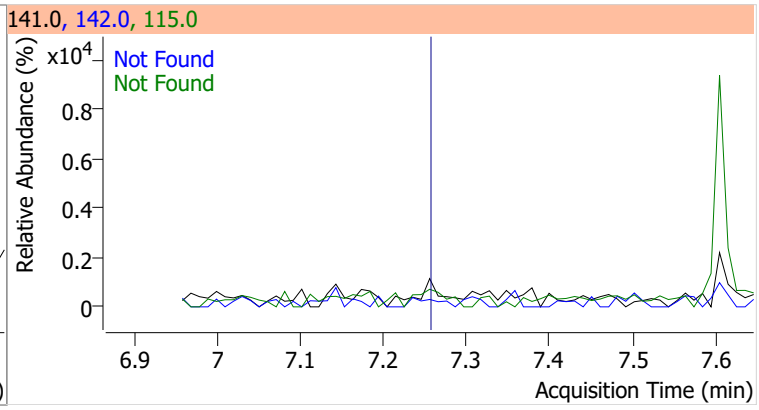
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



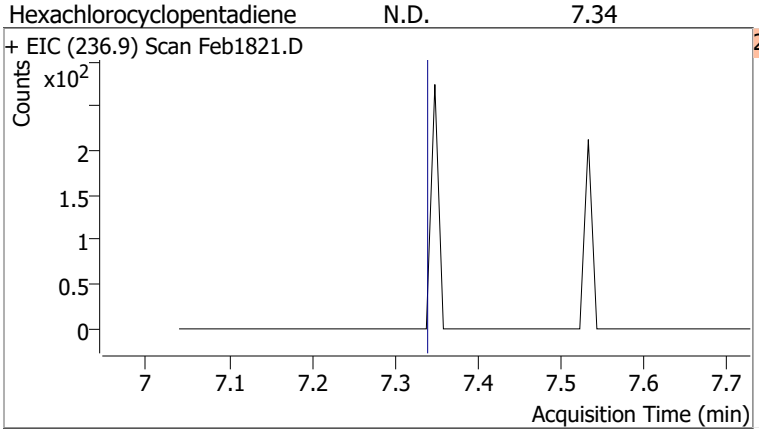


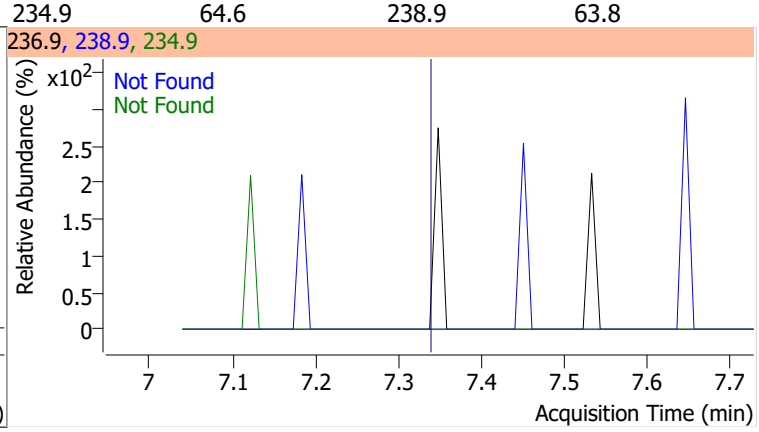
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



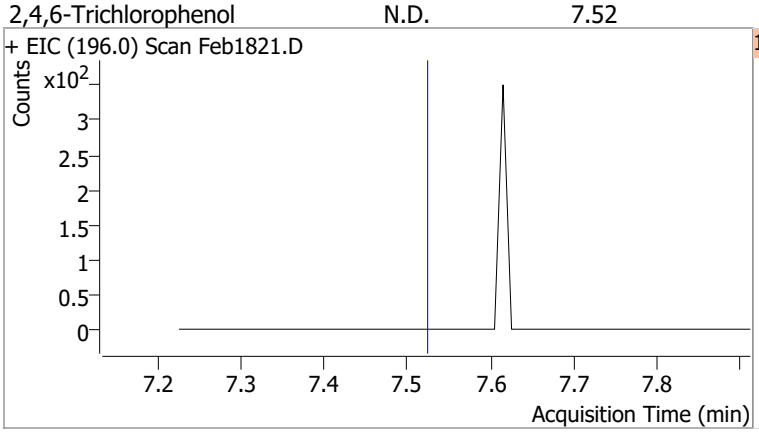


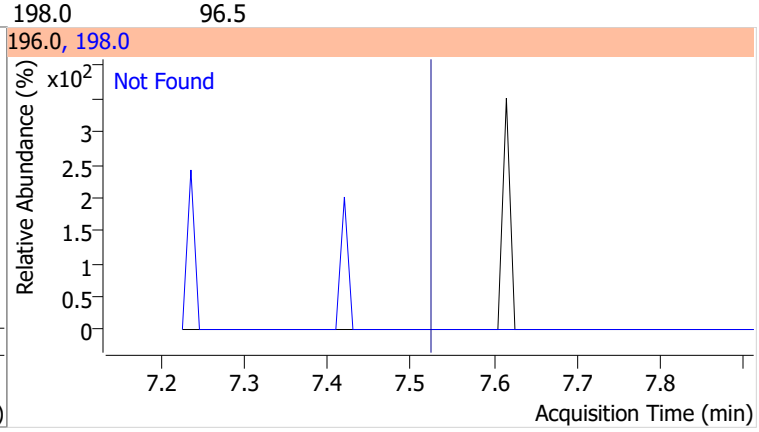
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



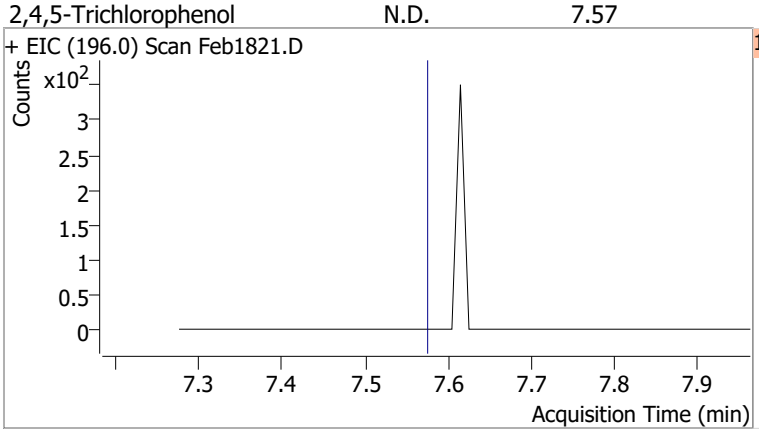


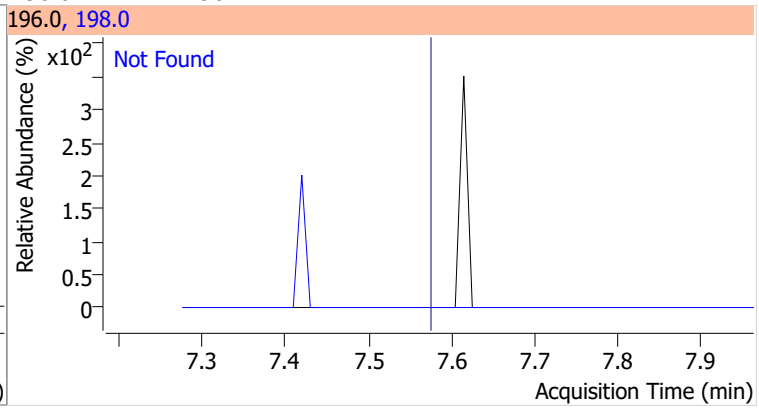
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



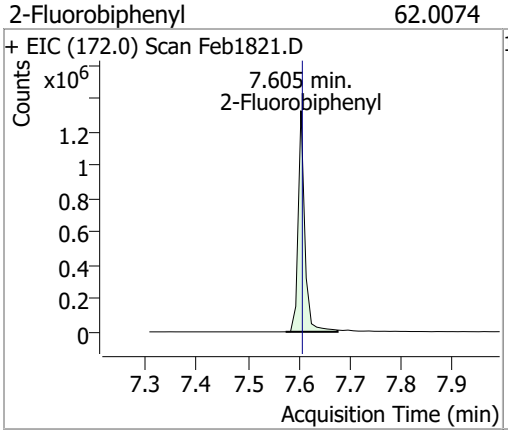


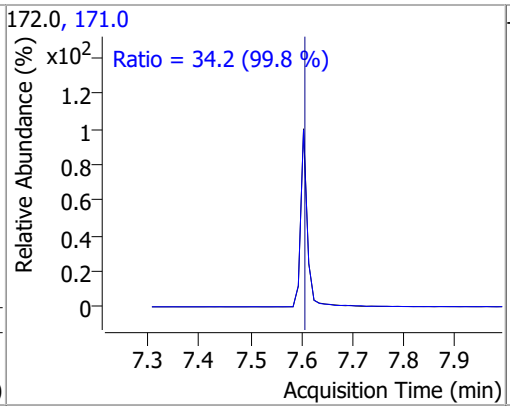
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

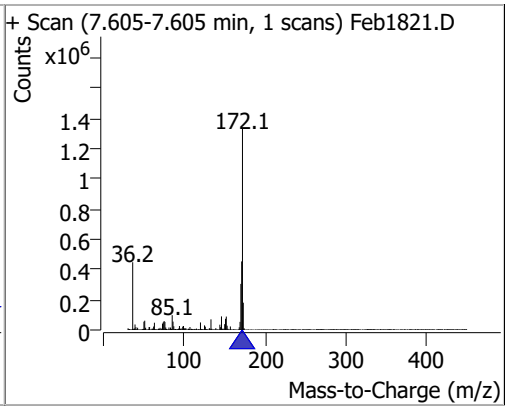




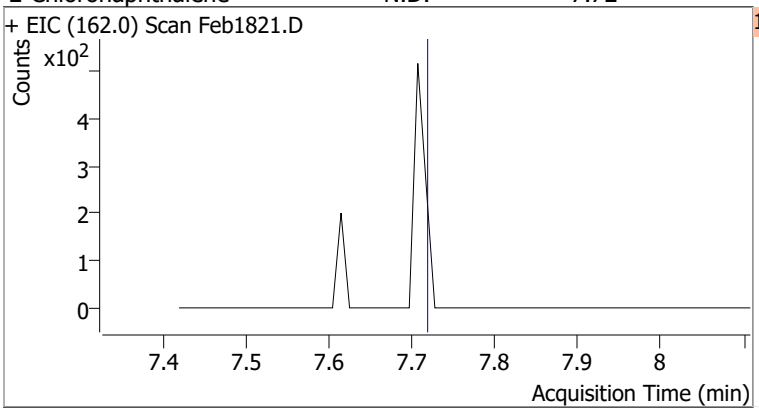
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	62.0074	7.60	0.00	1196424	171.0	34.2	24.0	44.5

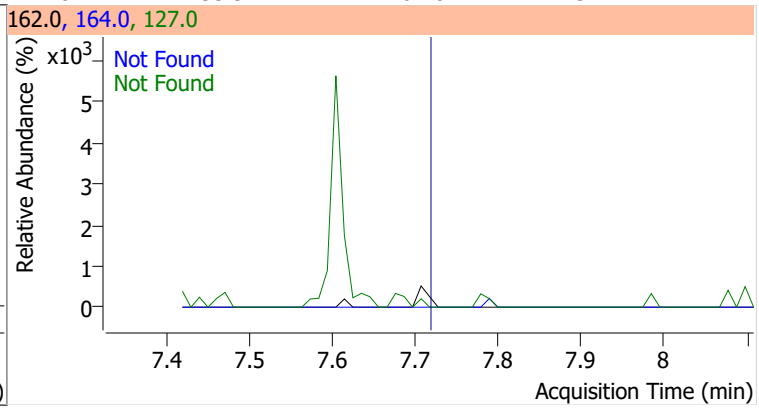




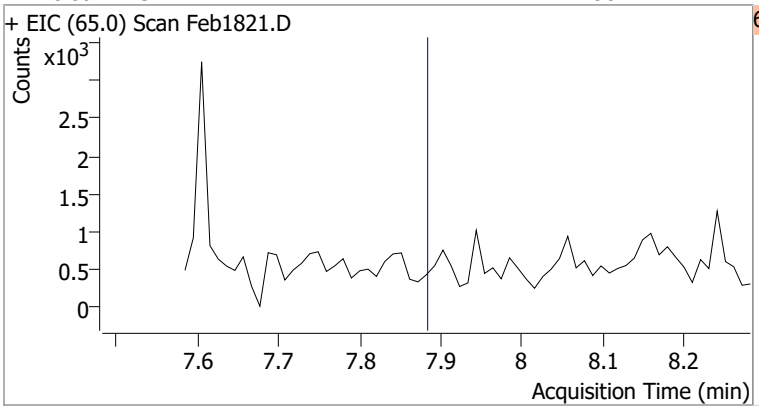


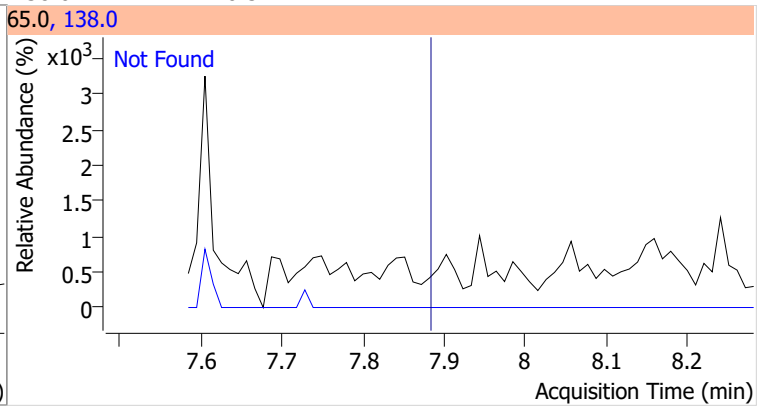
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



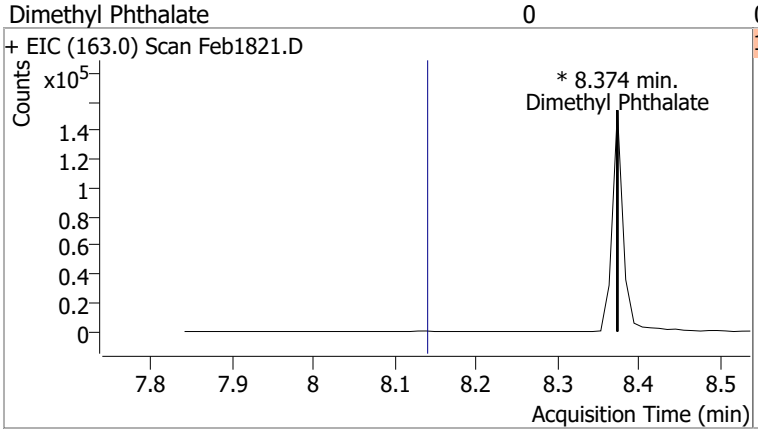


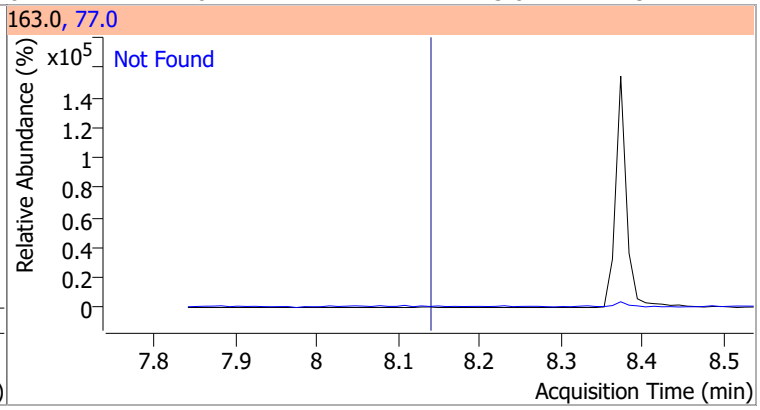
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



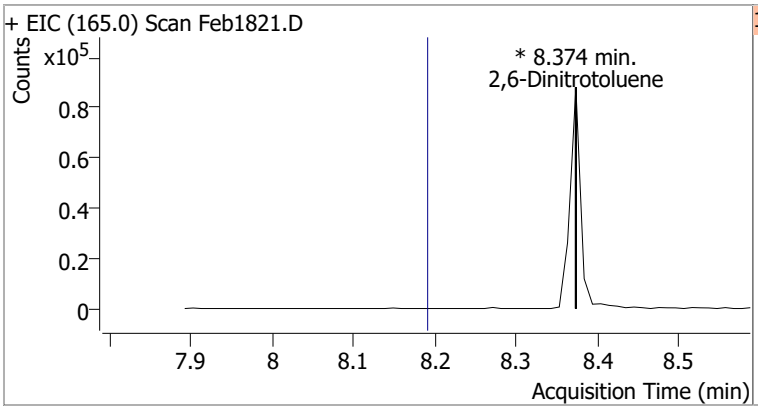


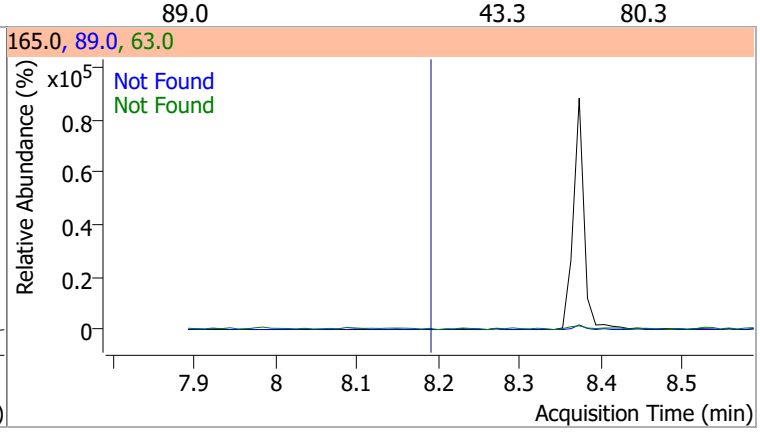
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



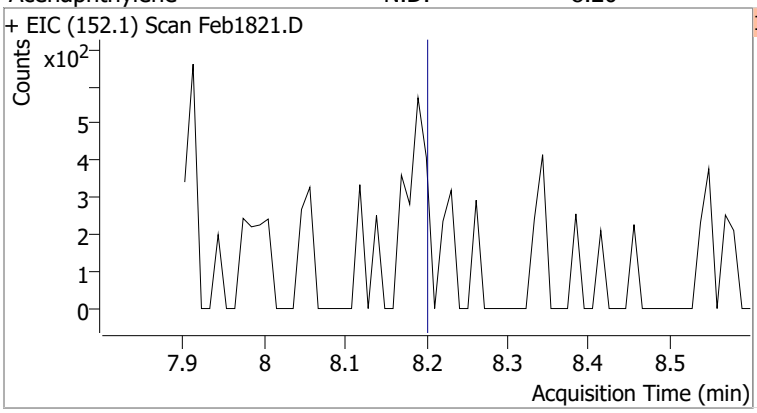


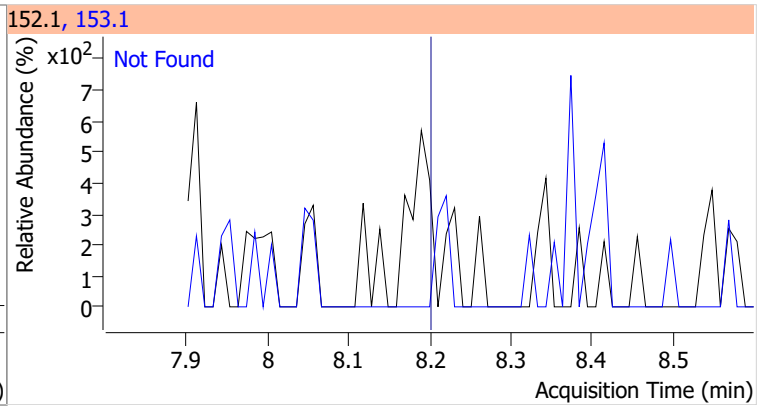
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



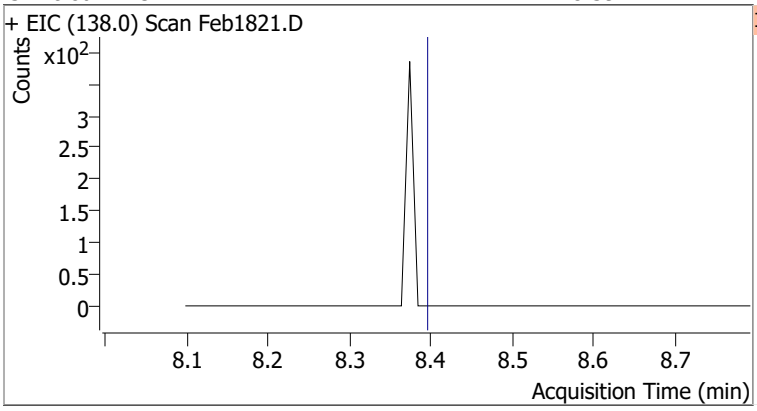


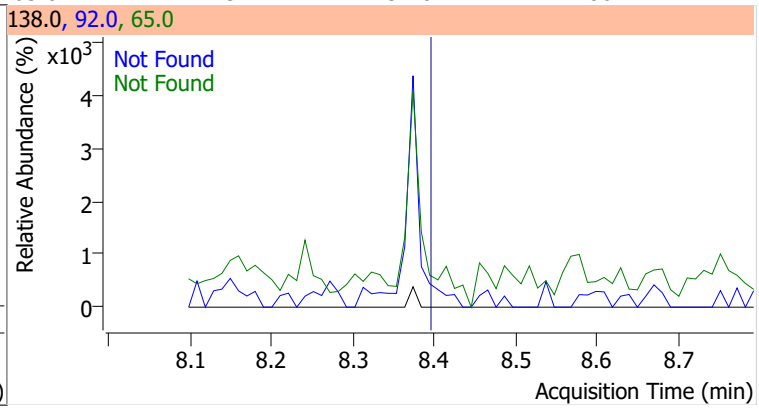
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



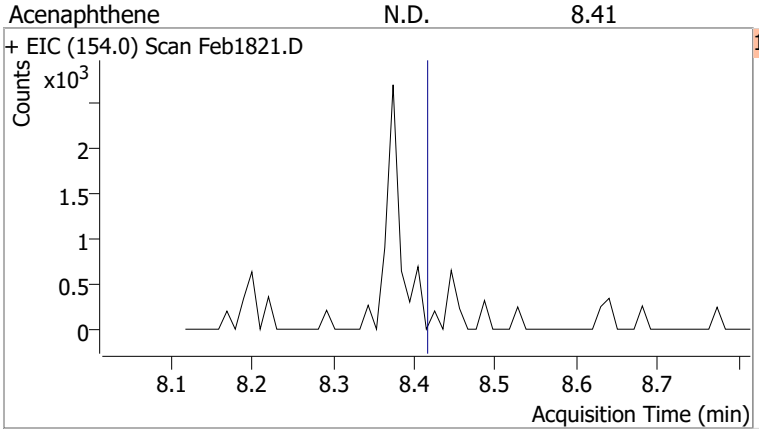


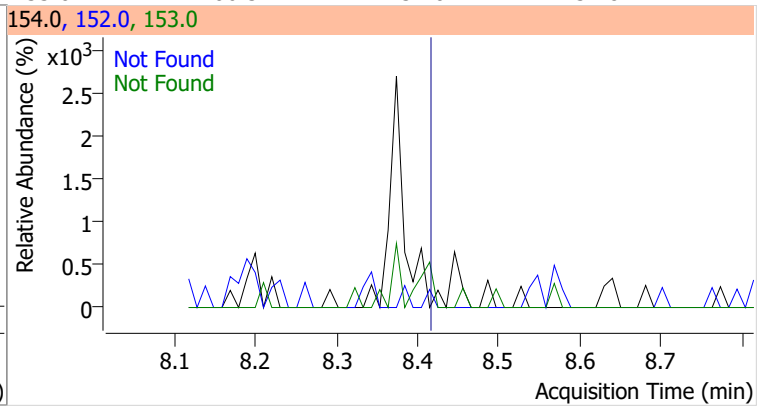
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



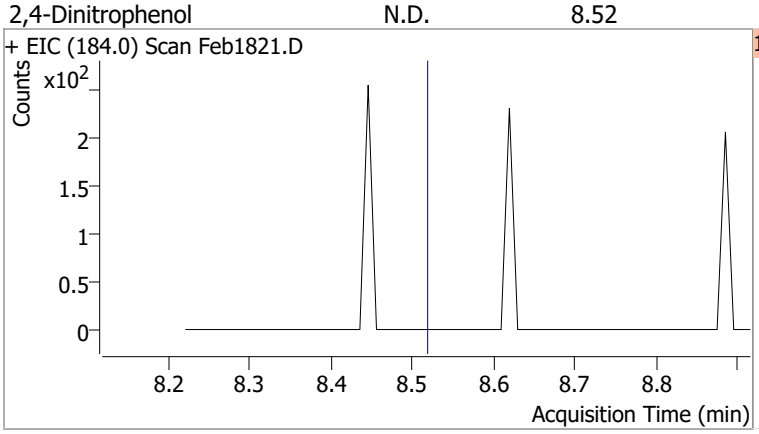


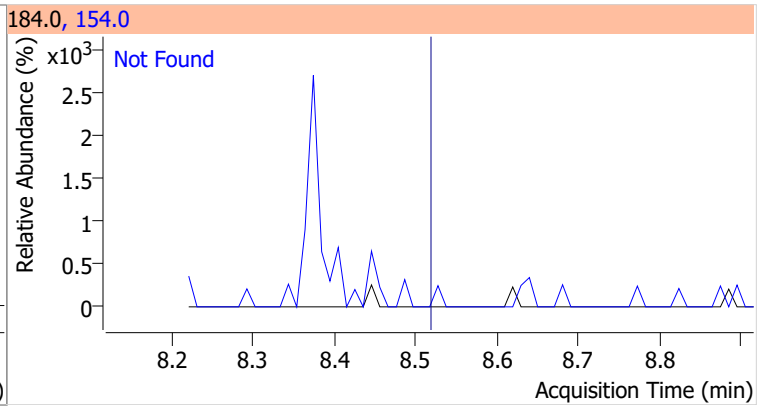
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



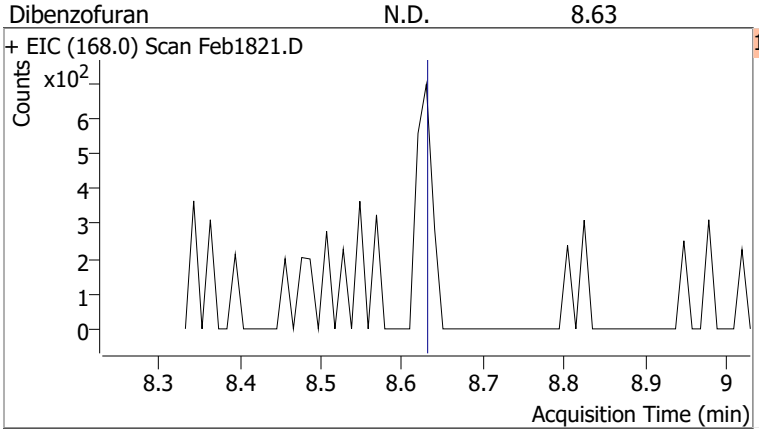


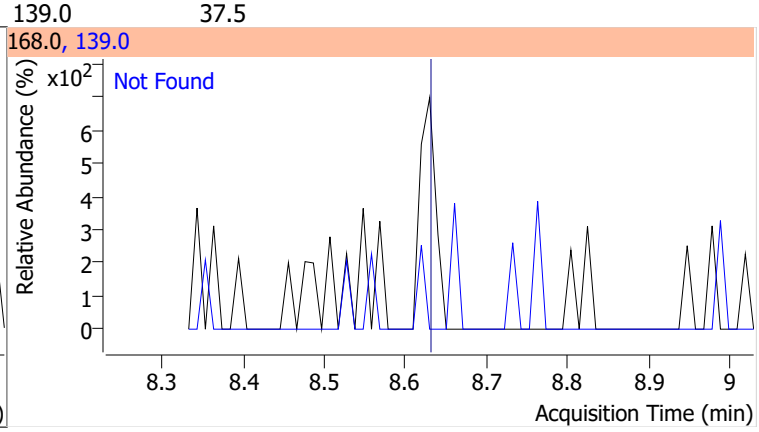
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



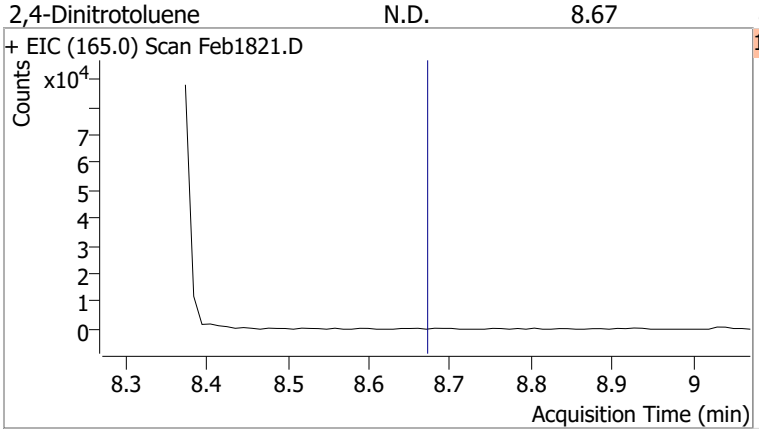


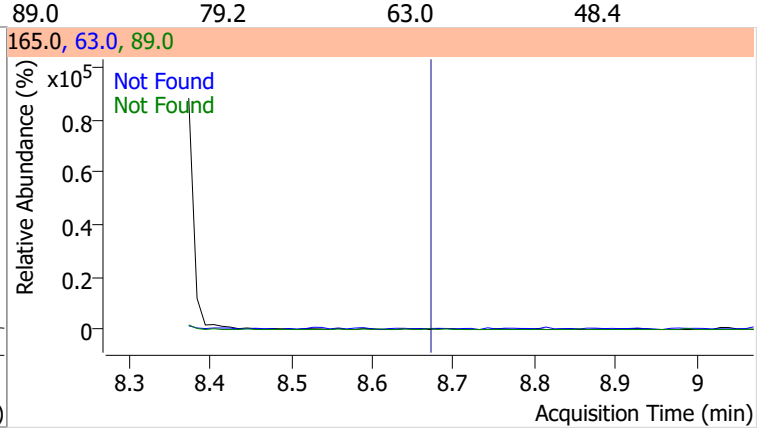
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



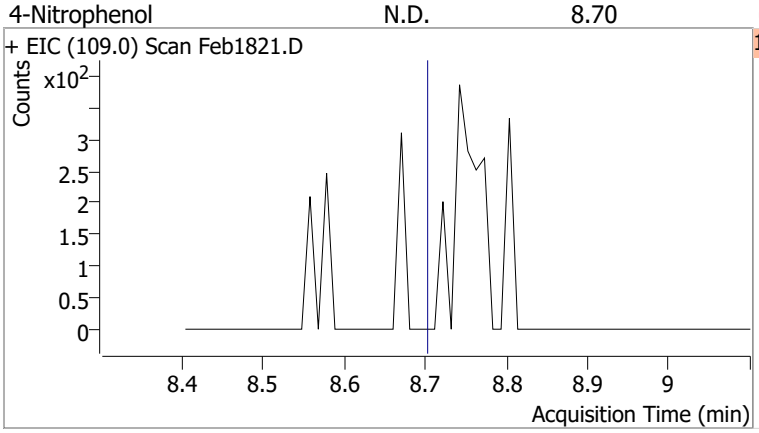


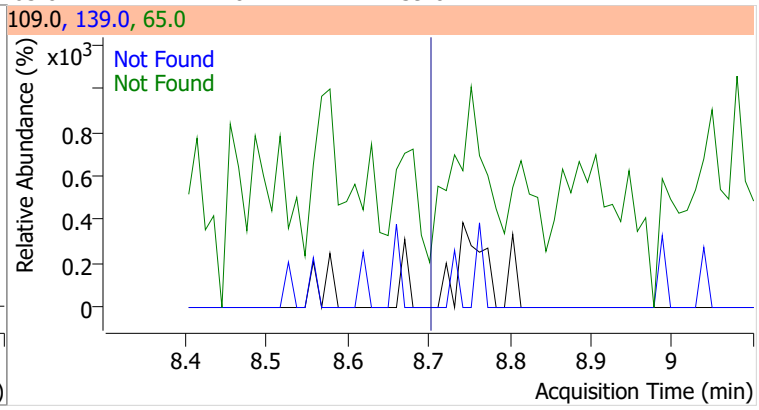
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



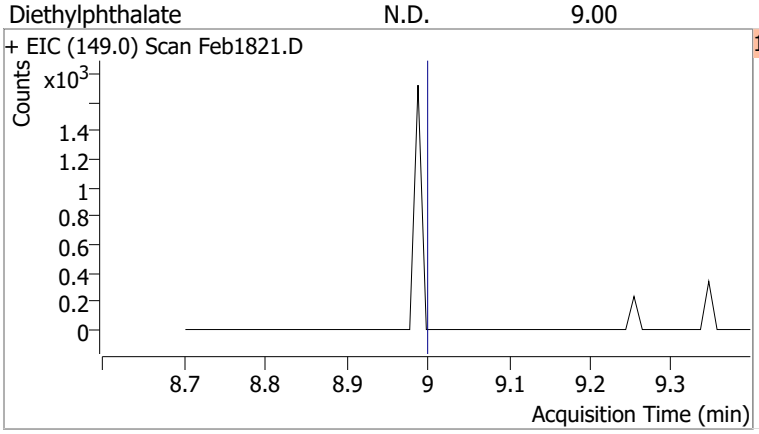


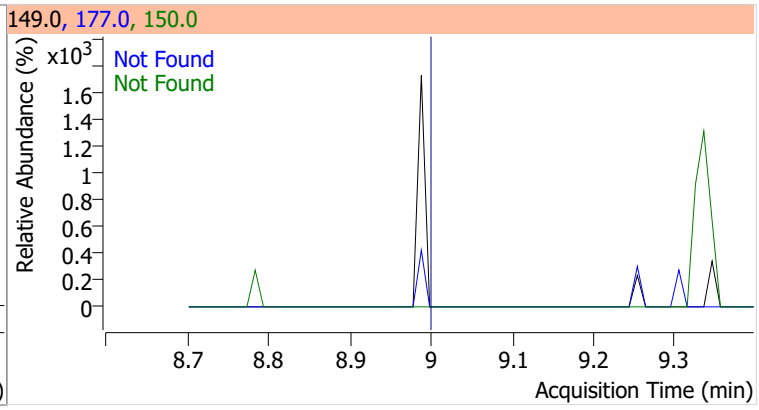
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



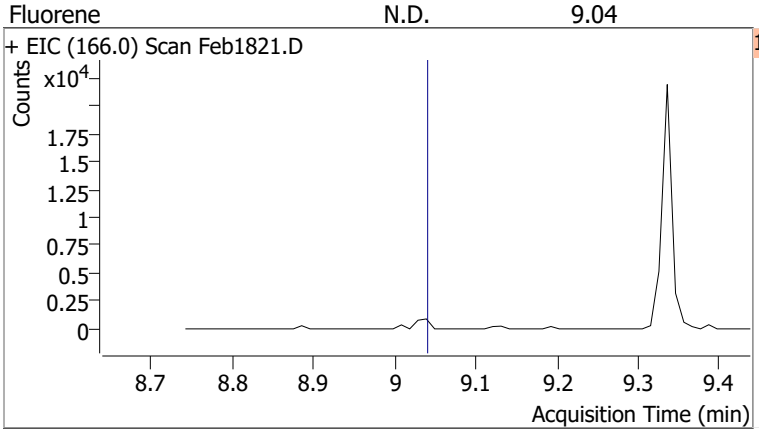


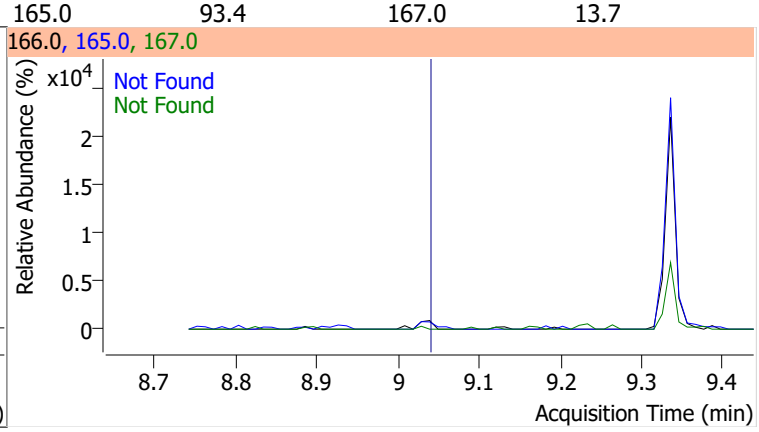
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



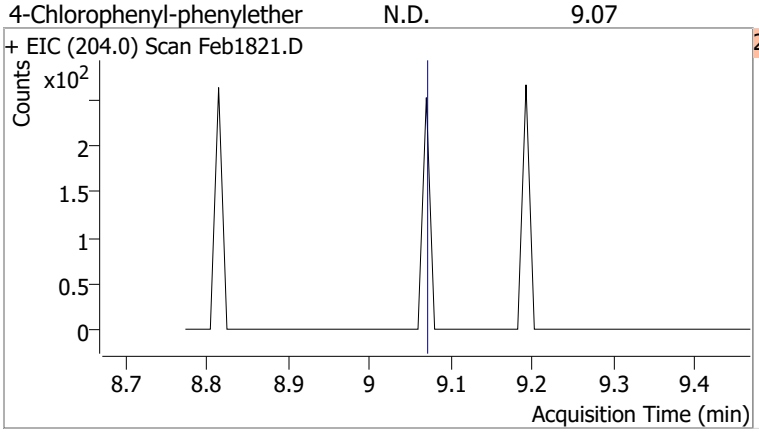


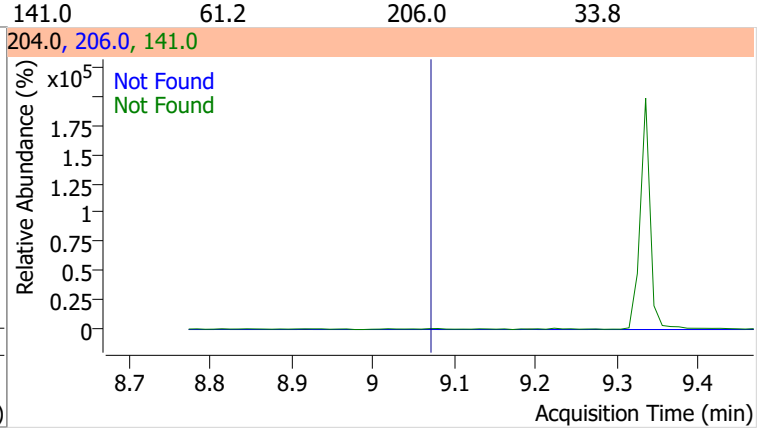
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



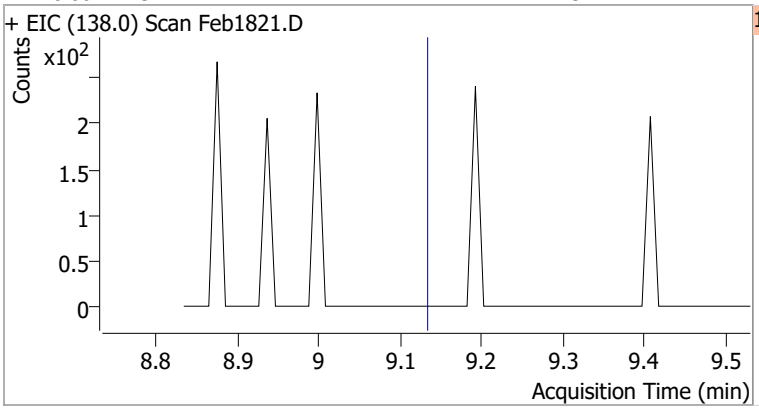


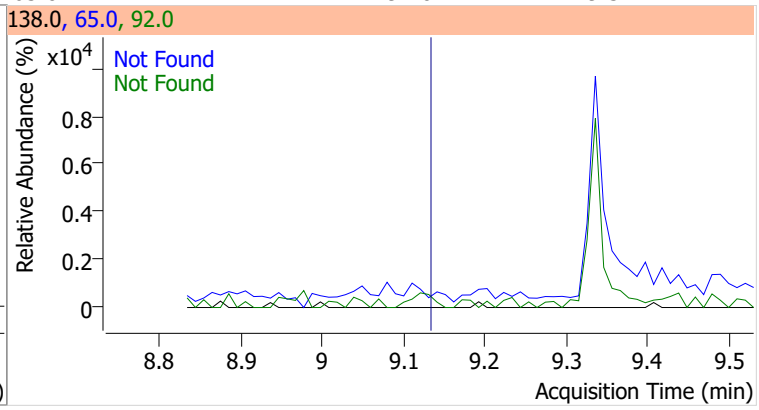
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



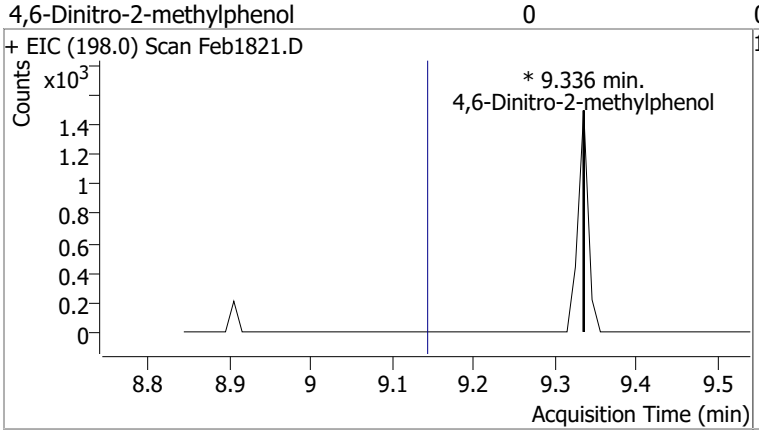


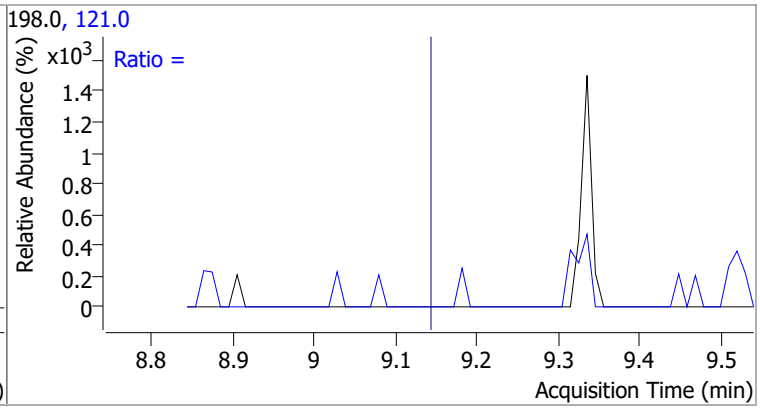
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



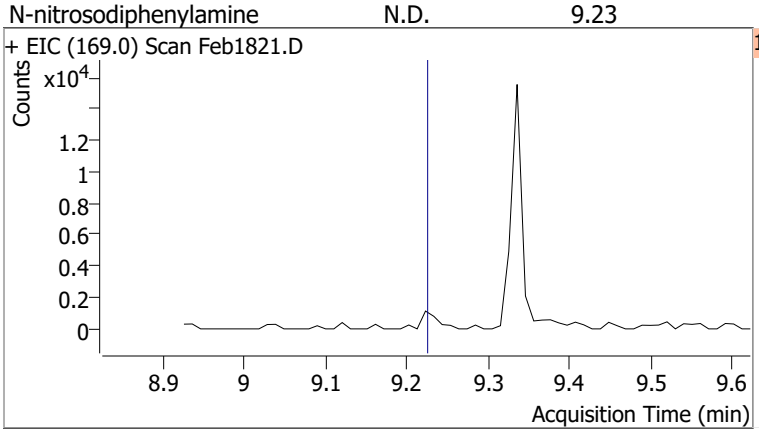


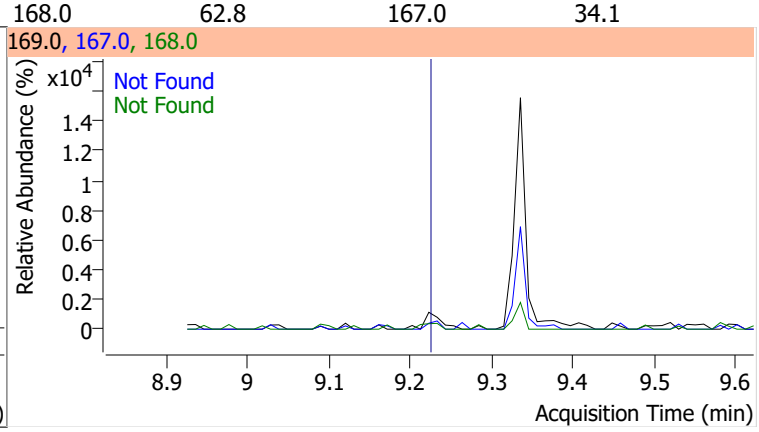
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



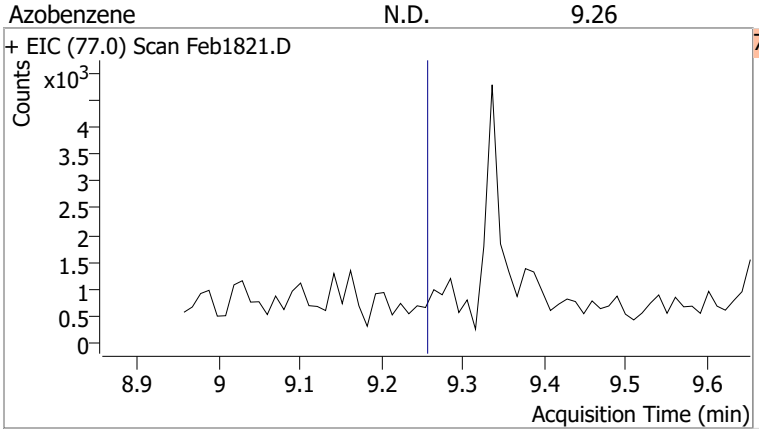


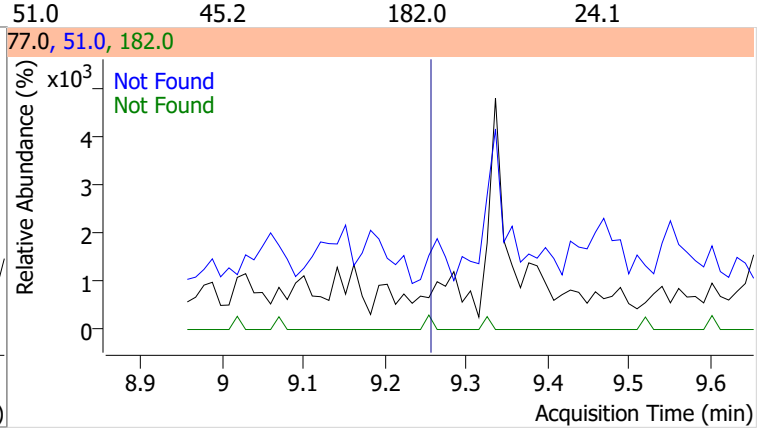
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



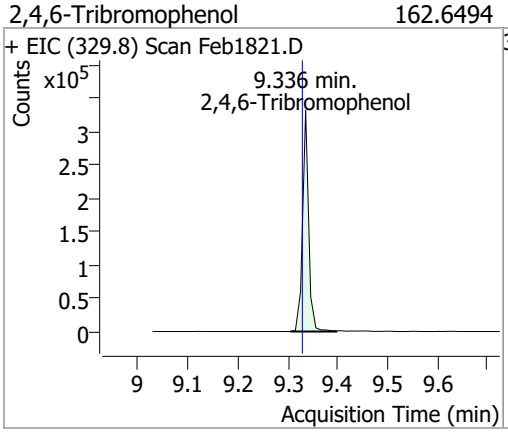


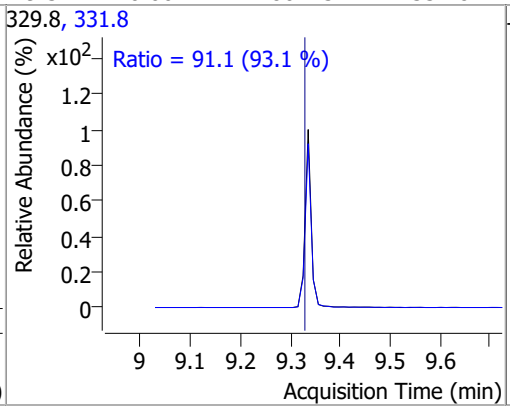
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

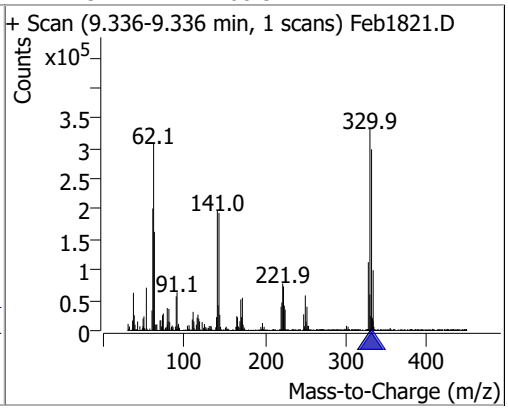




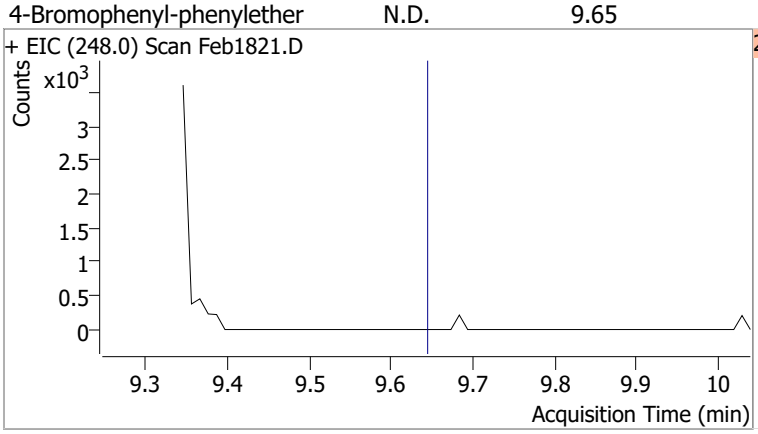
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	162.6494	9.34	0.00	280413	331.8	91.1	68.5	127.2

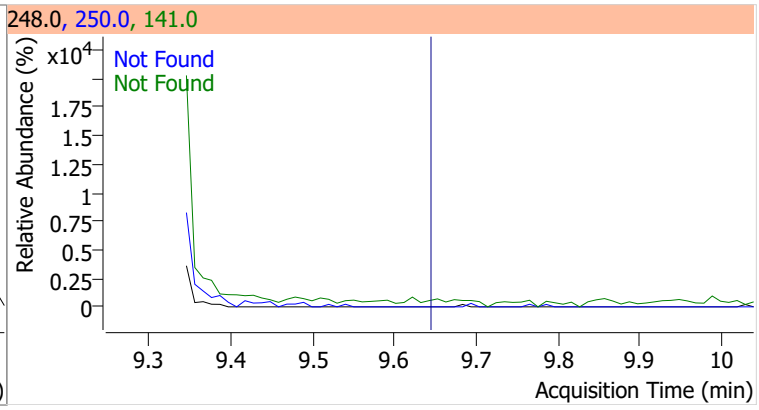




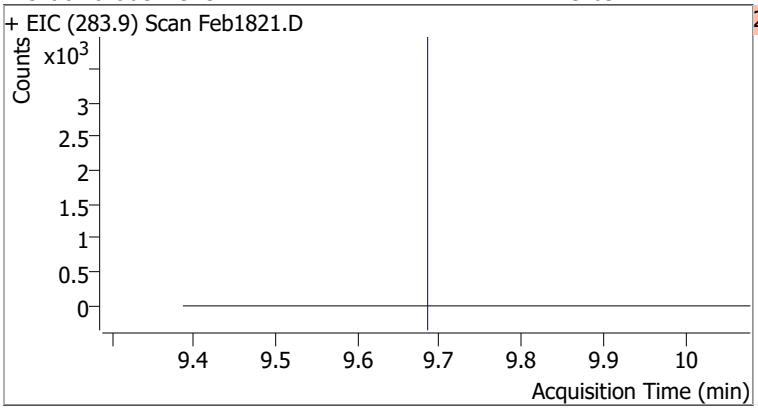


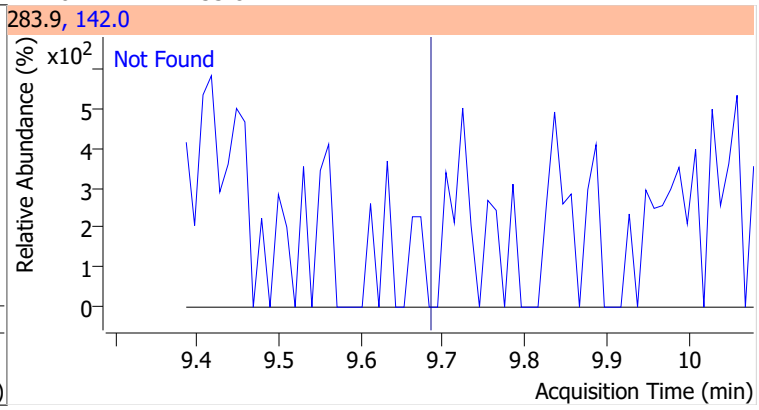
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



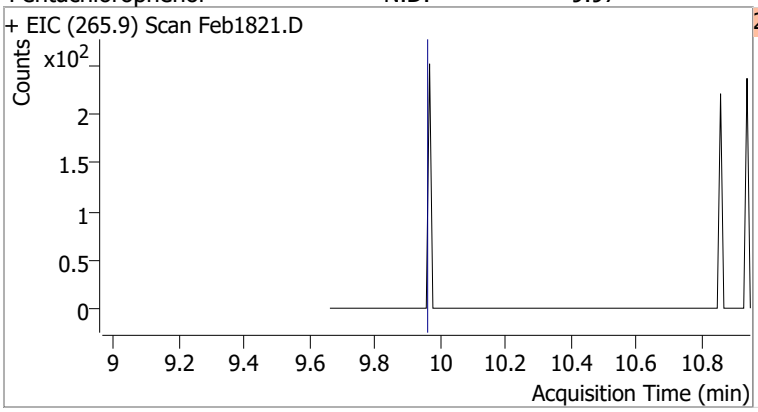


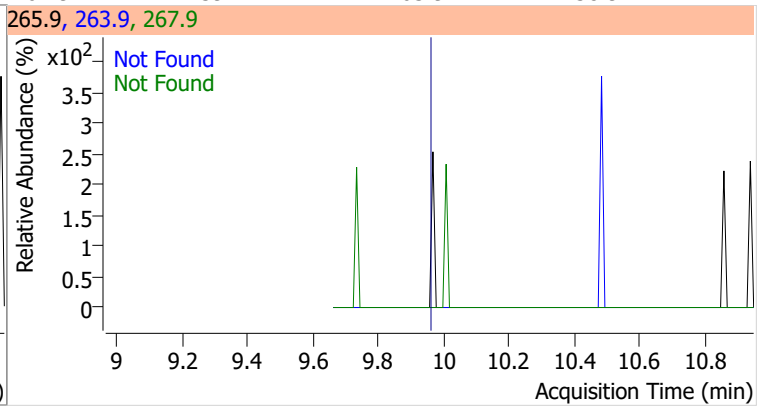
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



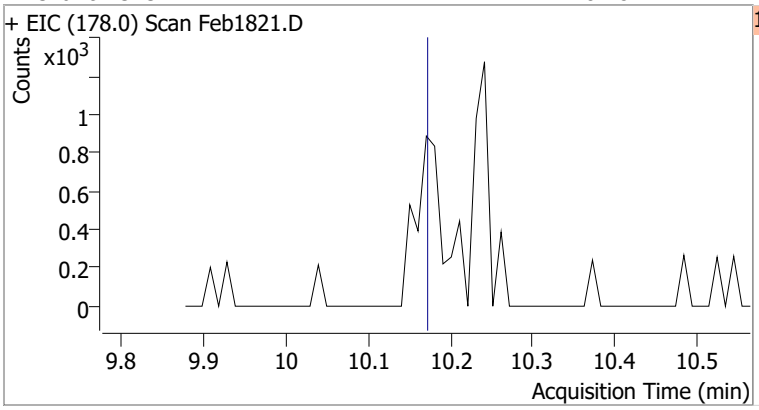


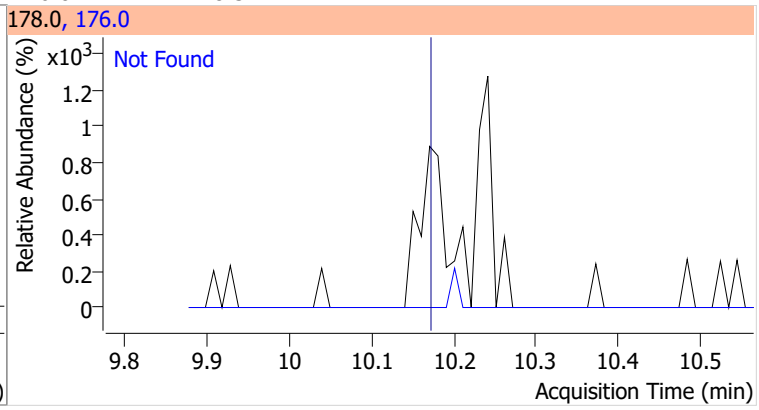
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



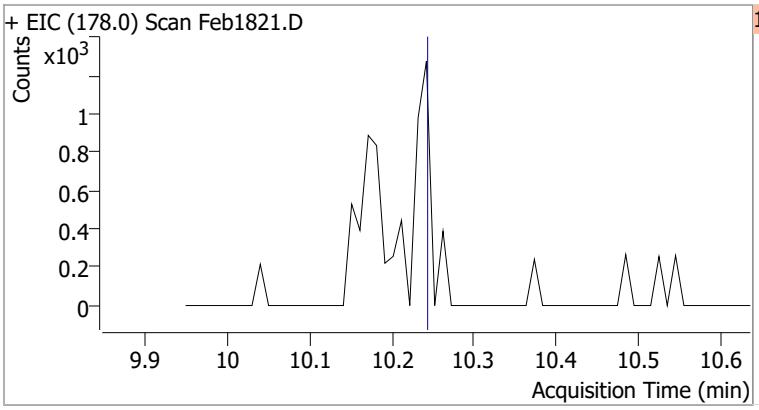


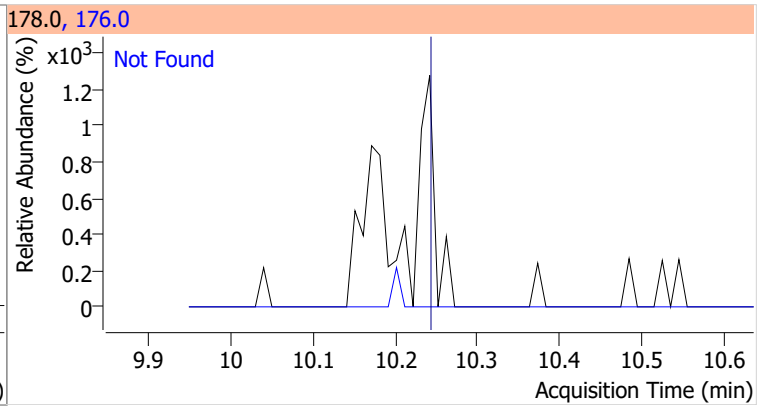
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



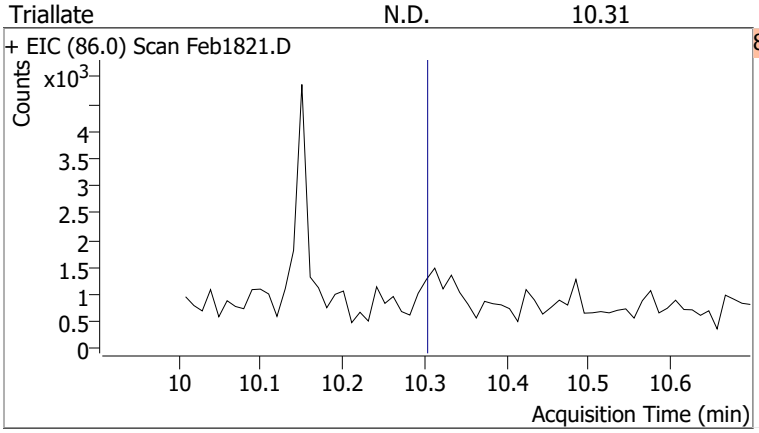


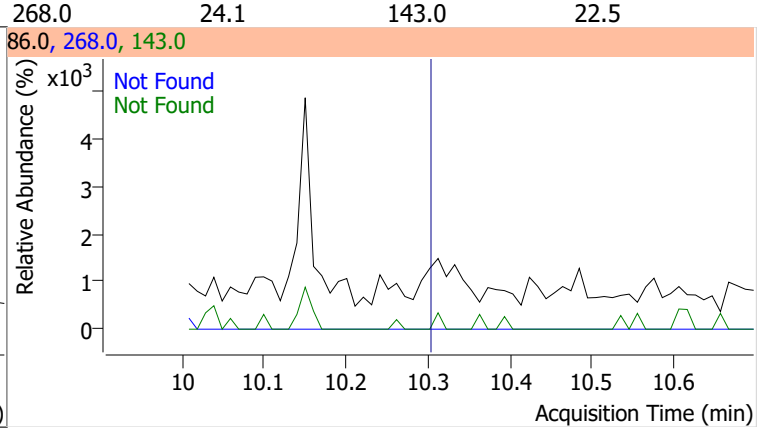
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



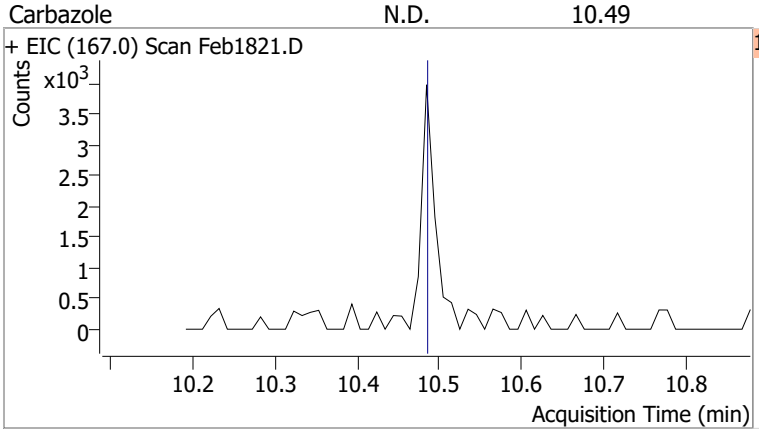


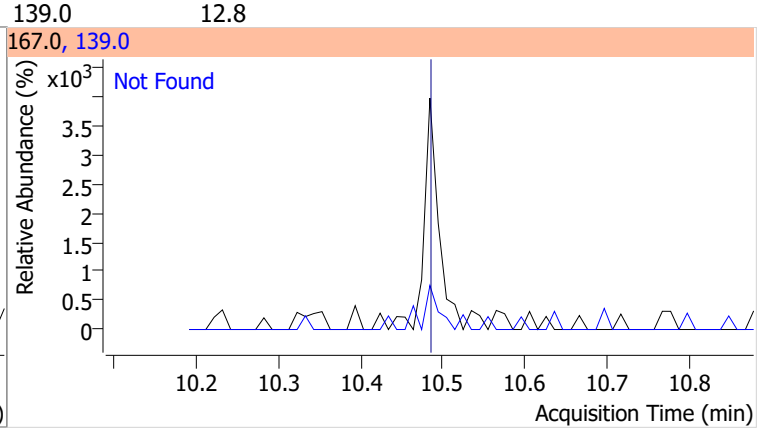
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



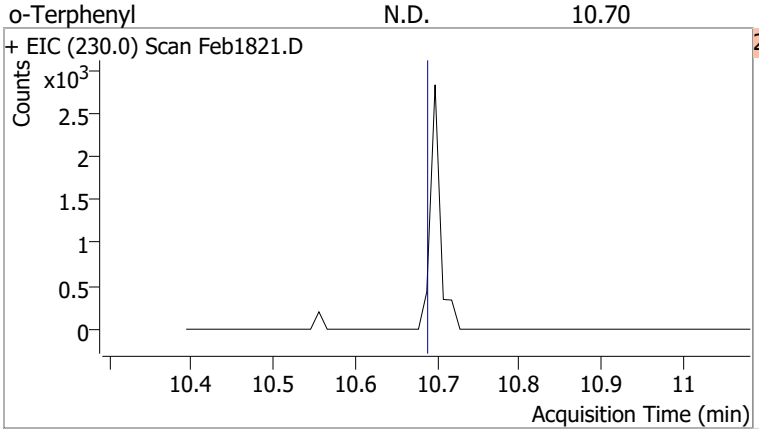


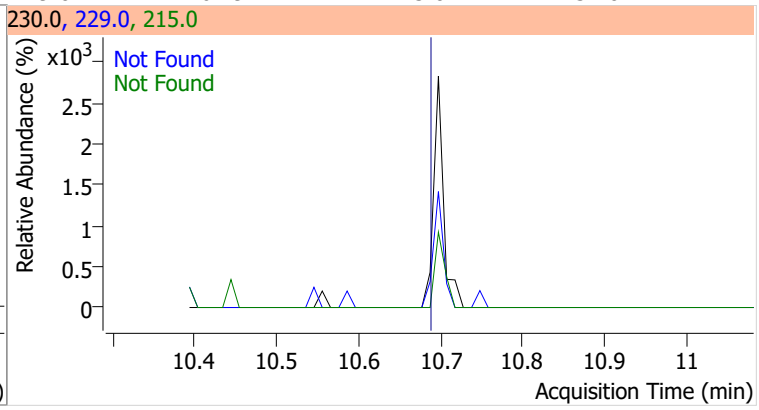
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



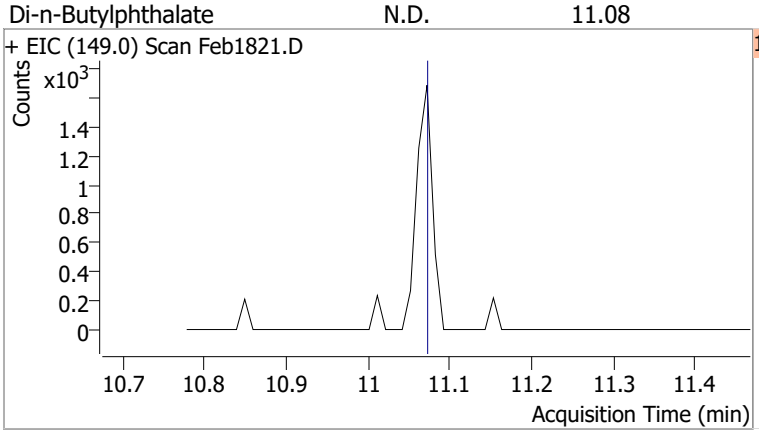


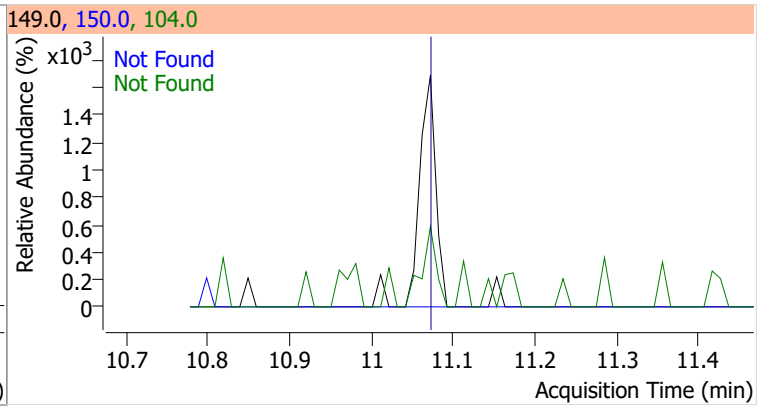
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



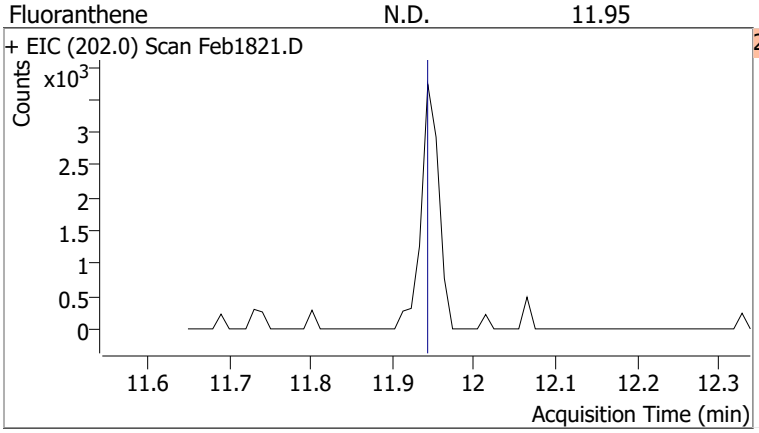


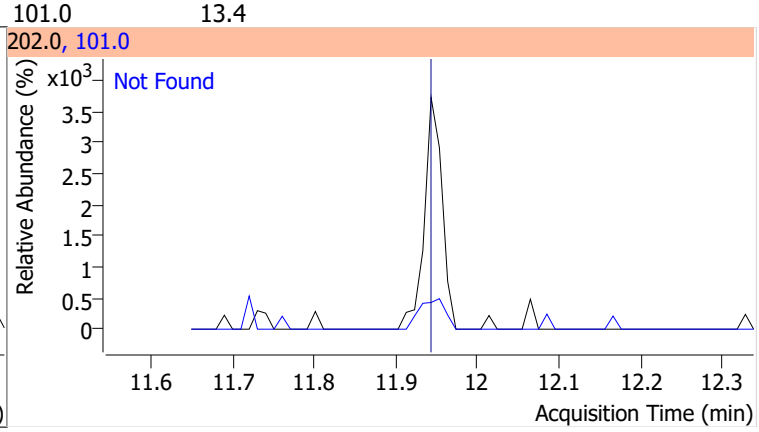
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



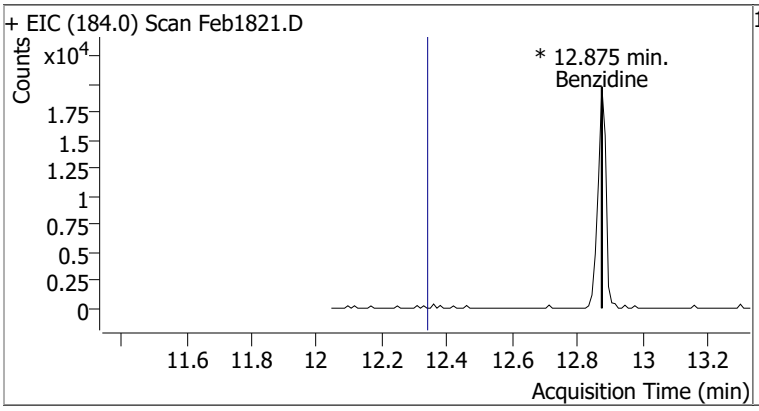


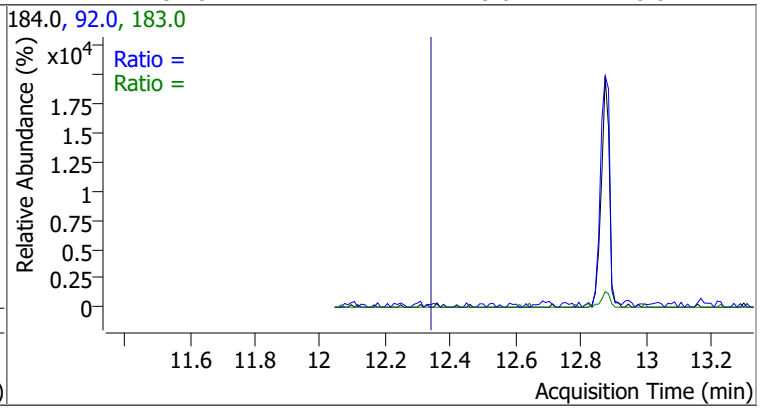
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



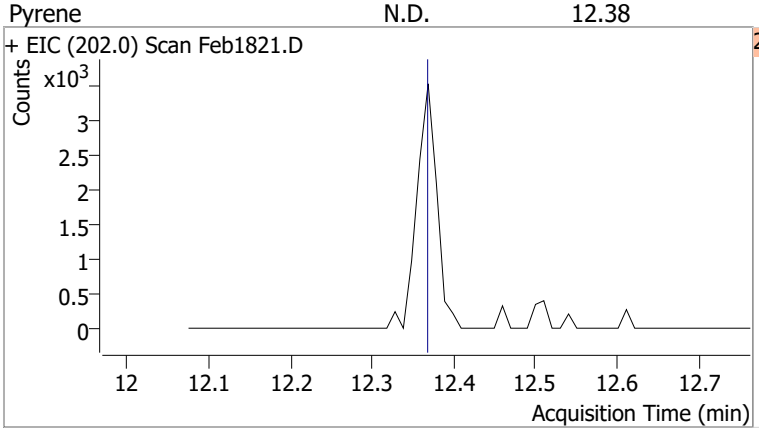


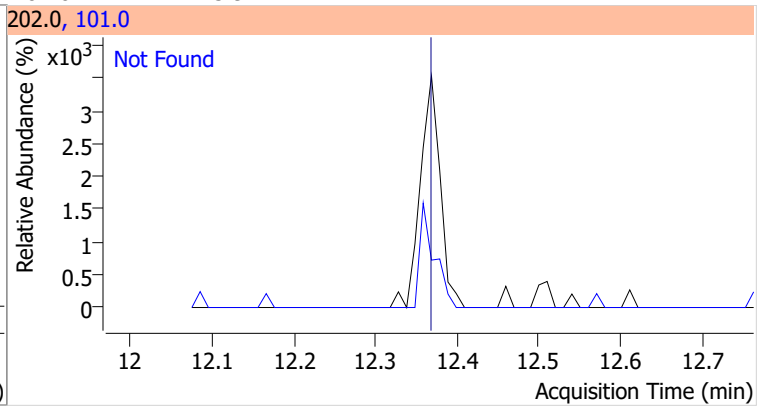
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



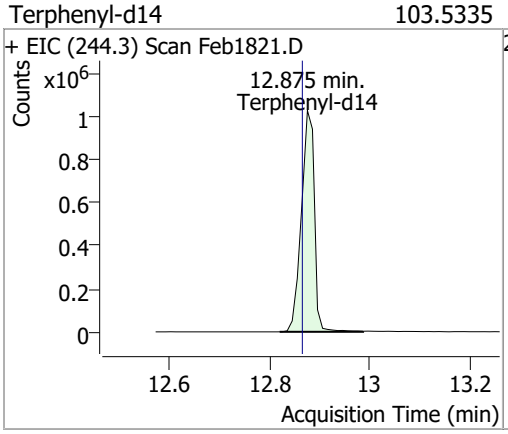


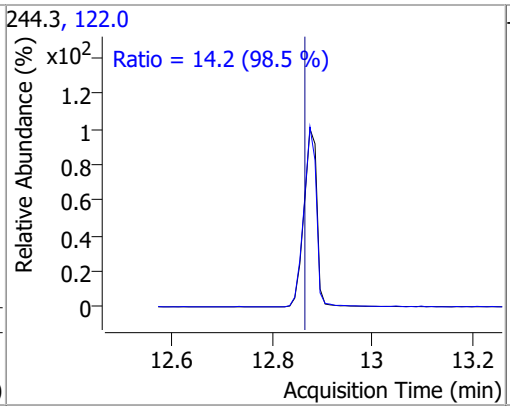
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

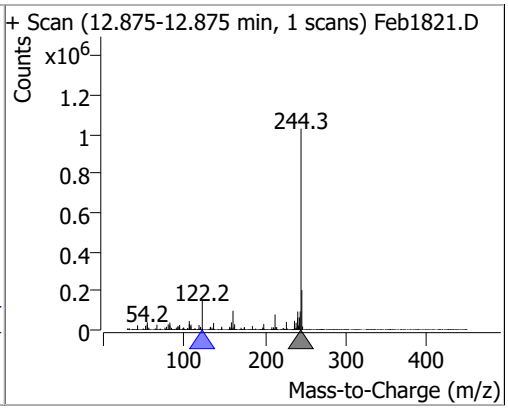




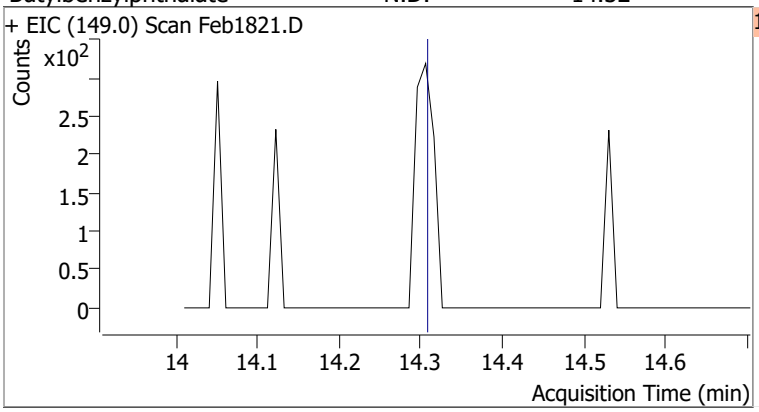
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	103.5335	12.88	0.00	1865090	122.0	14.2	10.1	18.7

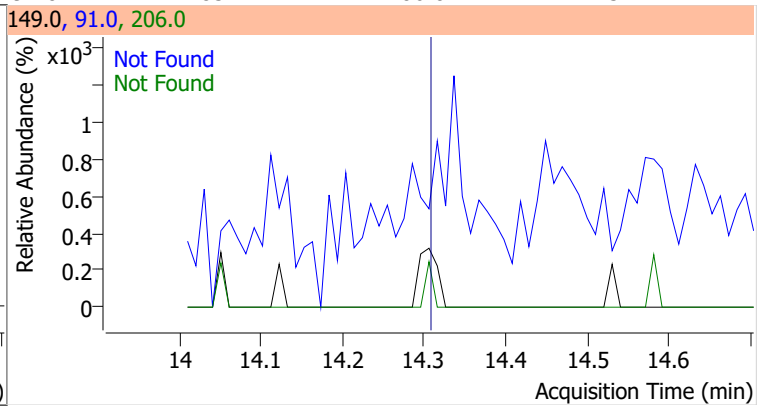




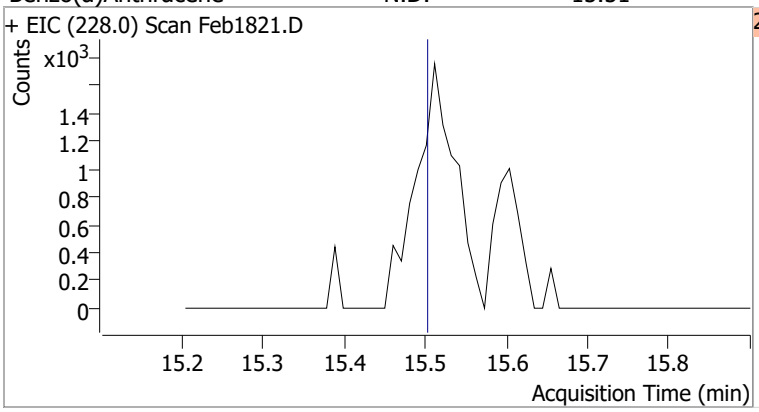


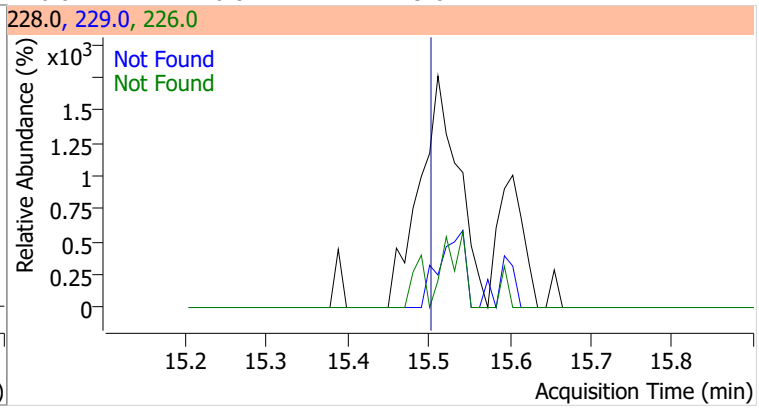
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



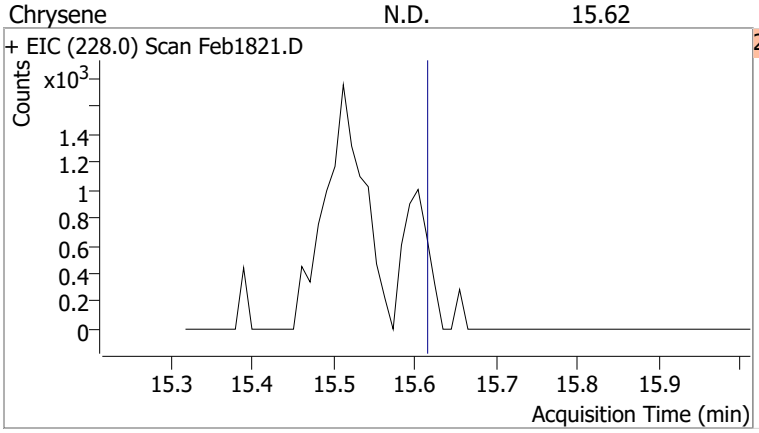


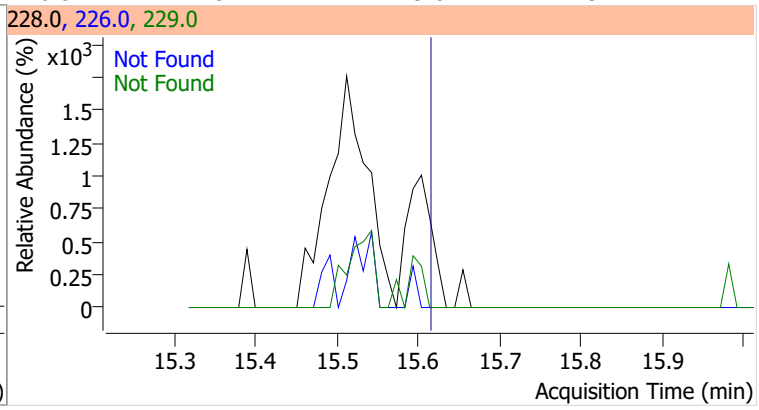
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



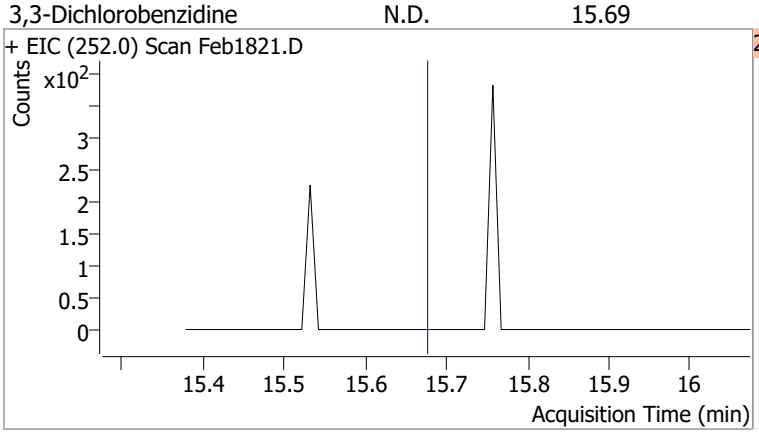


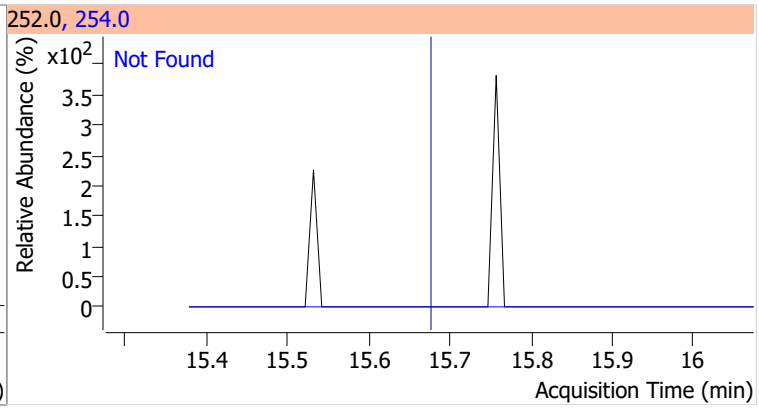
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



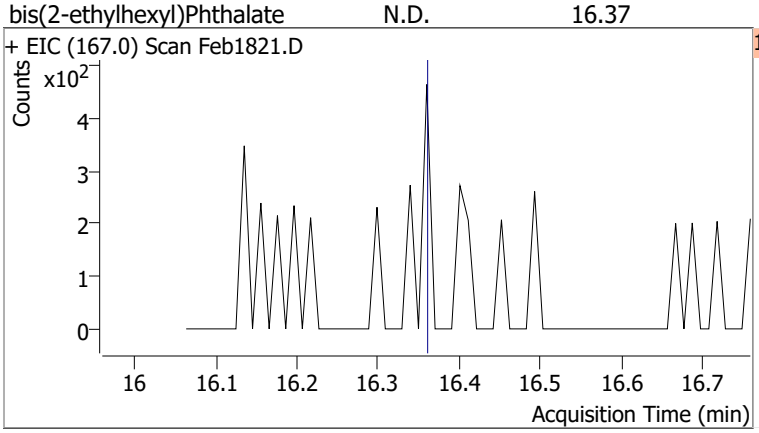


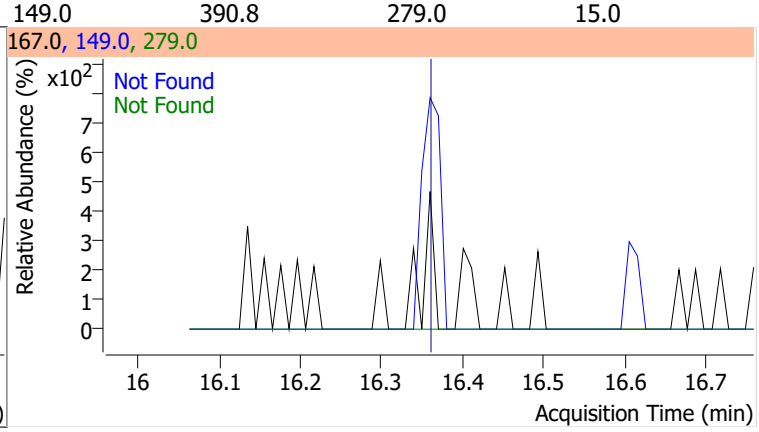
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



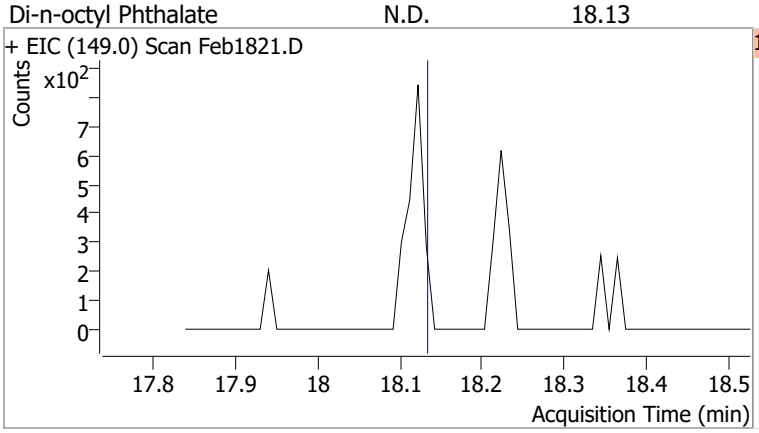


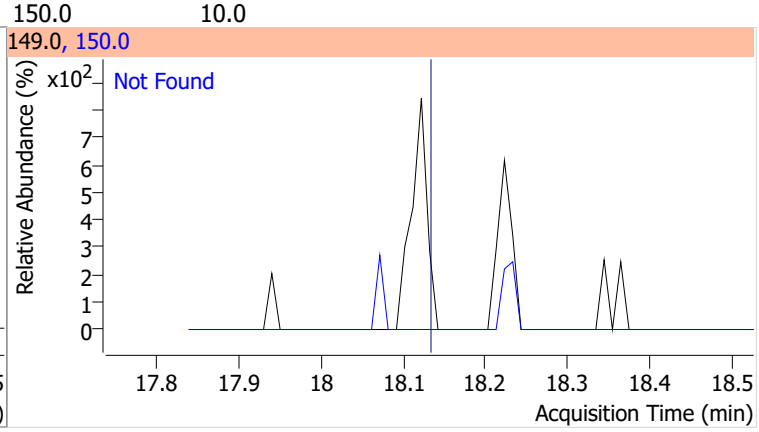
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



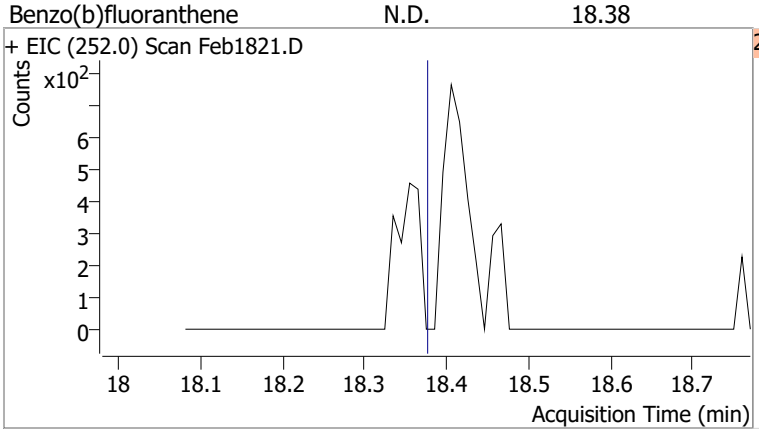


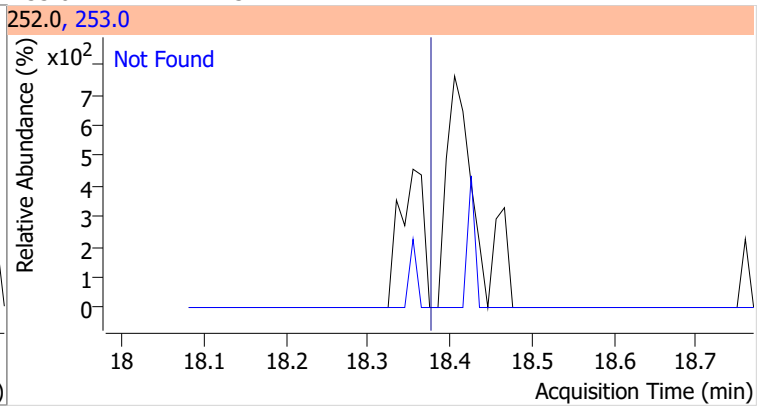
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



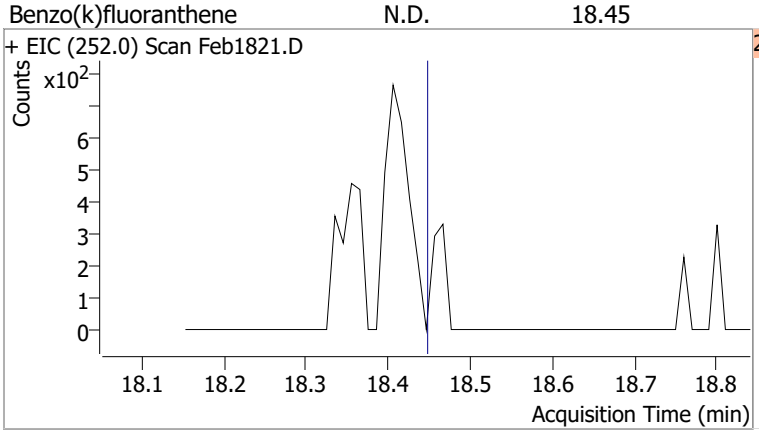


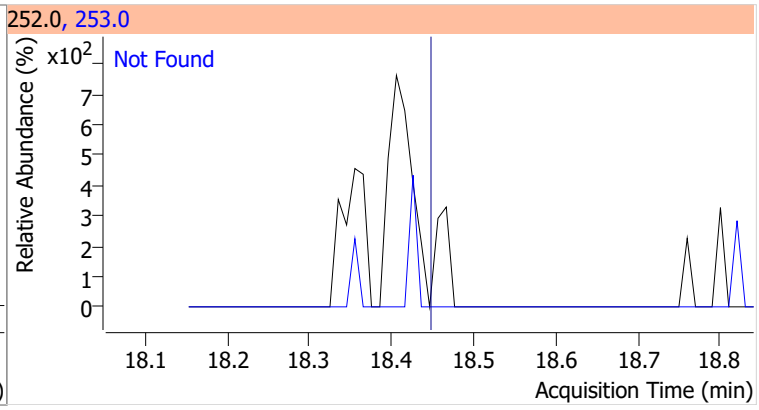
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



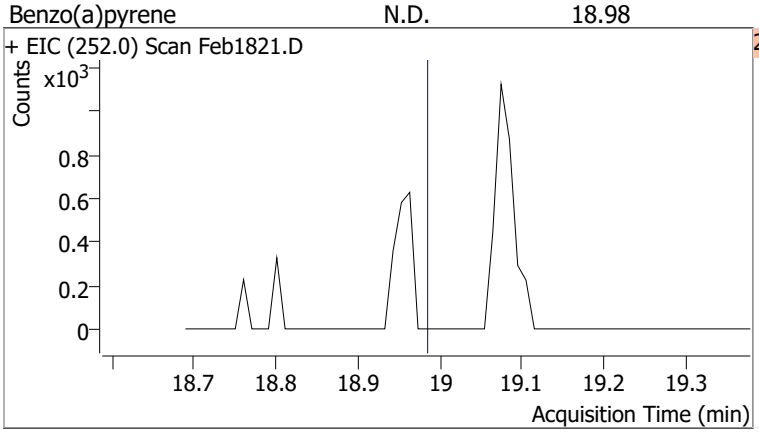


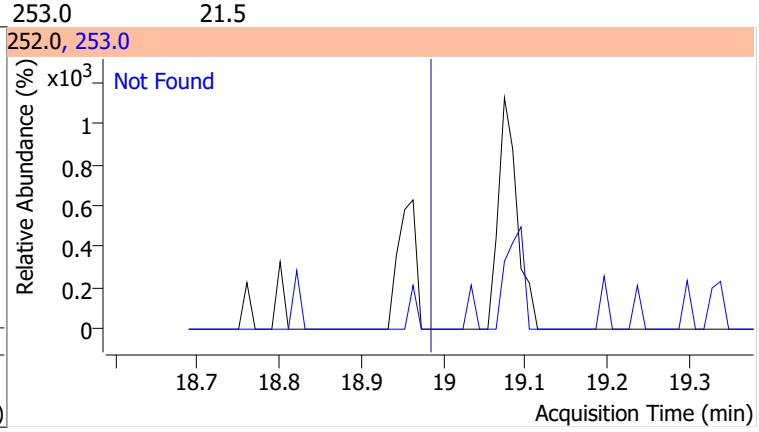
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



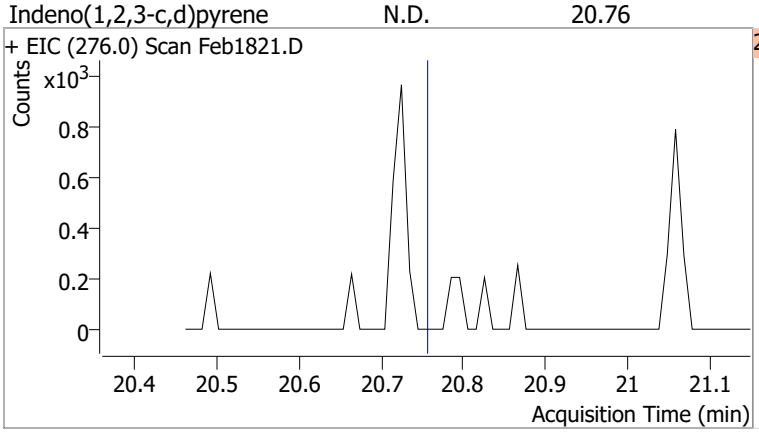


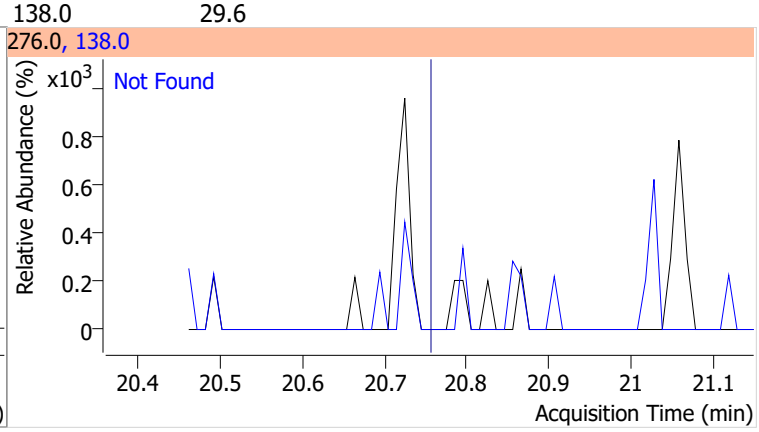
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



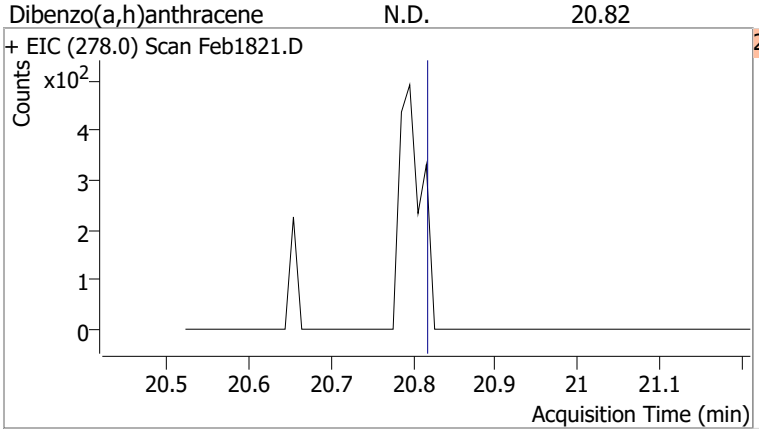


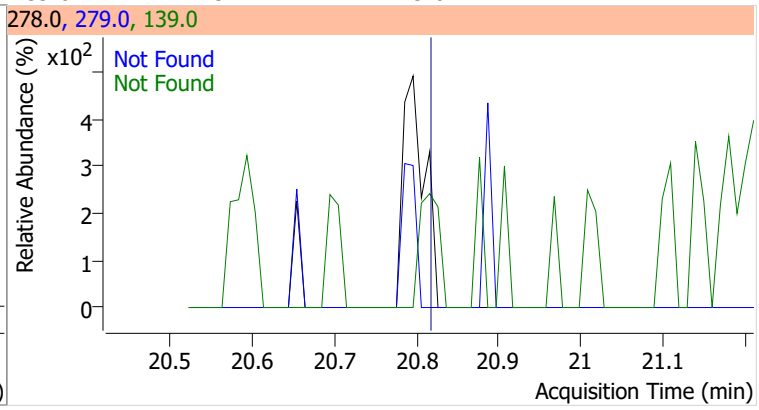
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



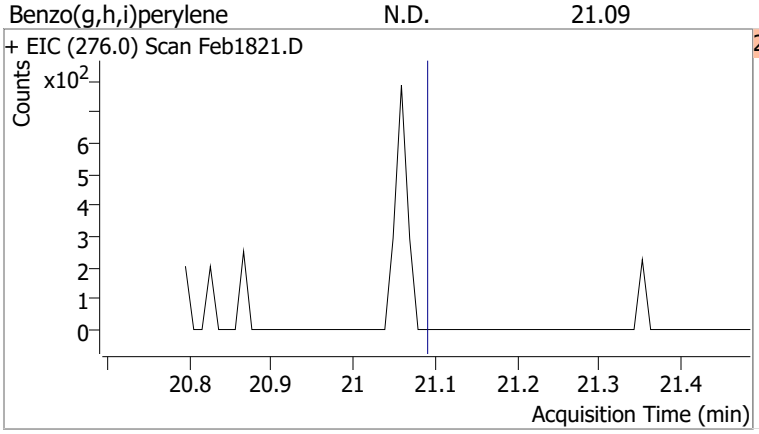


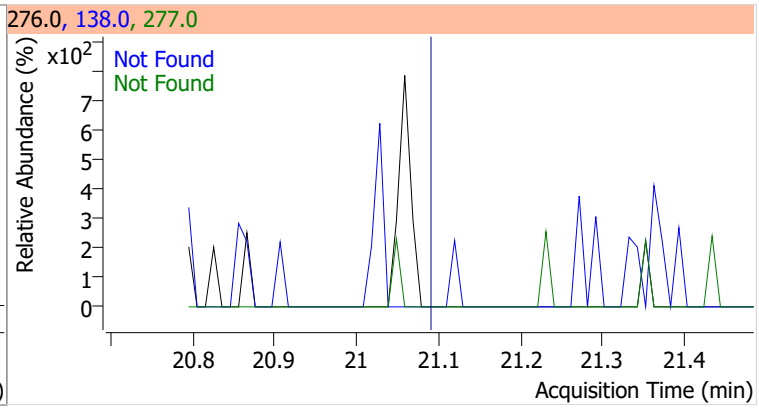
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





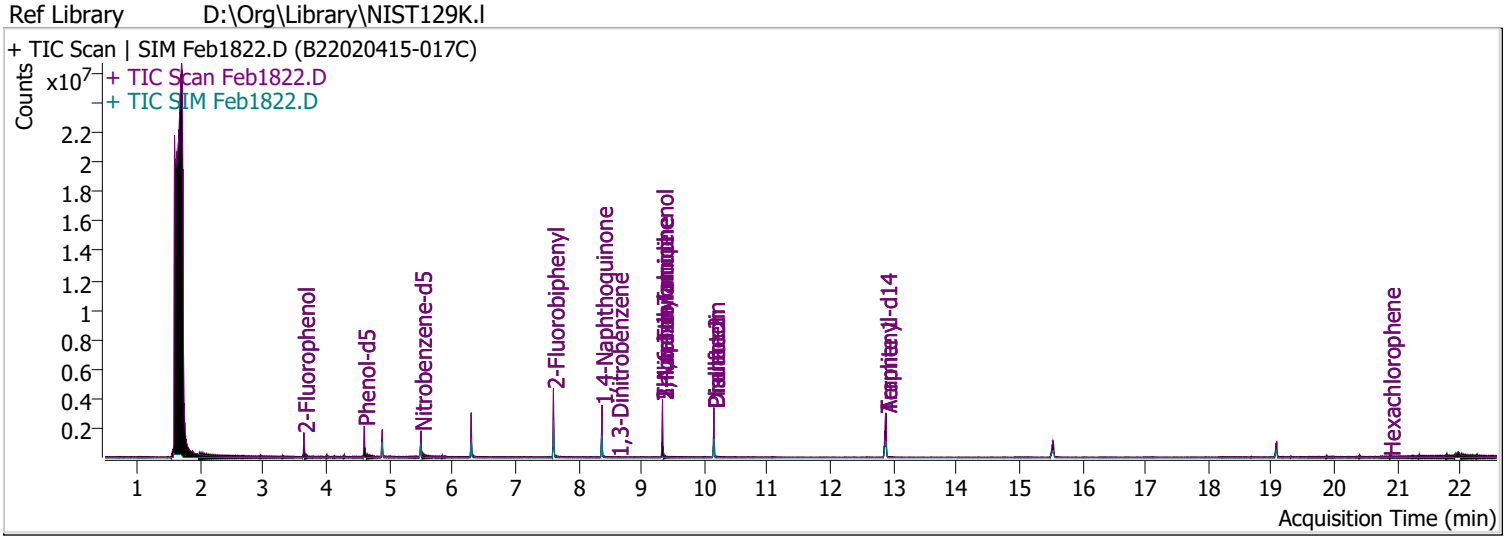
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1822.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 7:20:06 PM
Sample Name	B22020415-017C	Instrument	Instrument #1
Vial	22	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



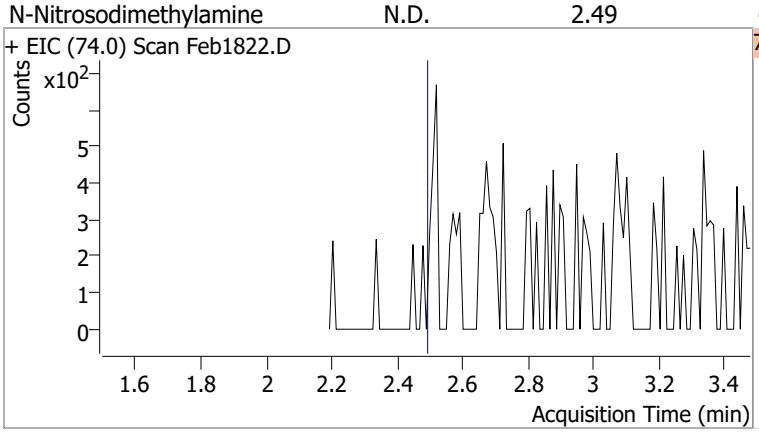
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	460221	57.7143	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 28.86%			
S Phenol-d5	4.603	99.0	714942	68.8146	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 34.41%			
S Nitrobenzene-d5	5.502	82.0	459272	79.2676	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 79.27%			
S 2-Fluorobiphenyl	7.605	172.0	1380011	64.2001	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 64.20%			
S 2,4,6-Tribromophenol	9.336	329.8	304757	156.3387	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 78.17%			
S Terphenyl-d14	12.885	244.3	1945517	94.3049	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 94.30%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.			
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

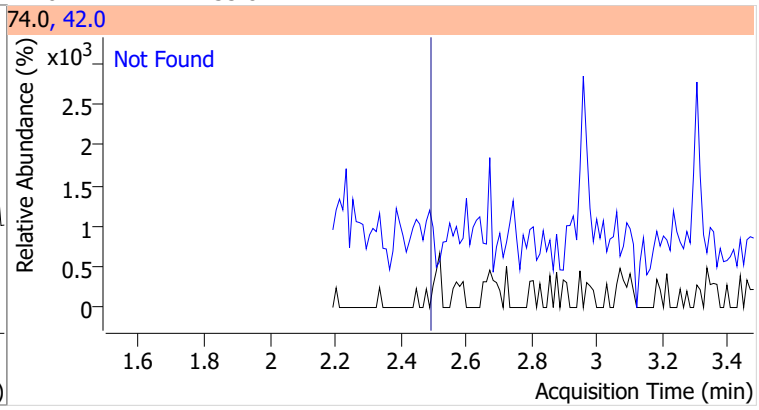
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	6.301	130.0	0		µg/L	md	1
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	9.039	165.0	0		µg/L	md	1
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.885	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

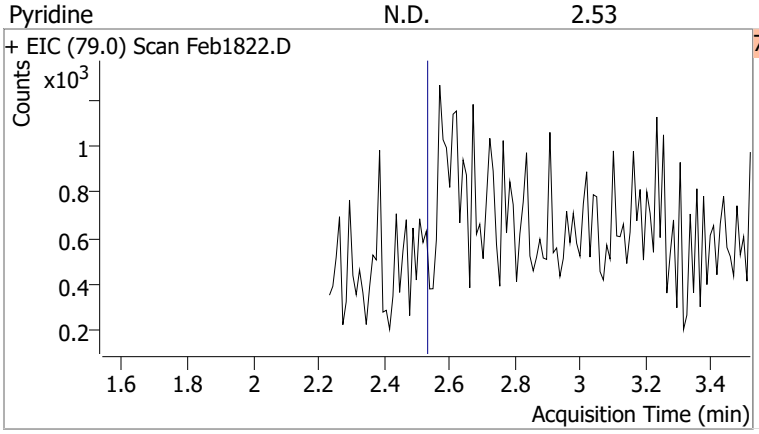
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

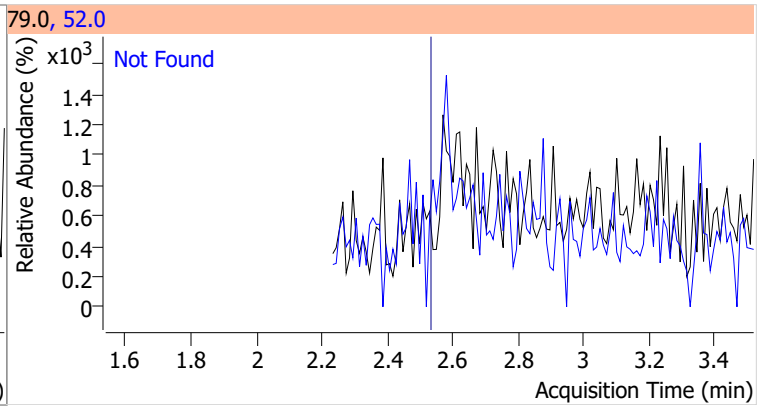
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



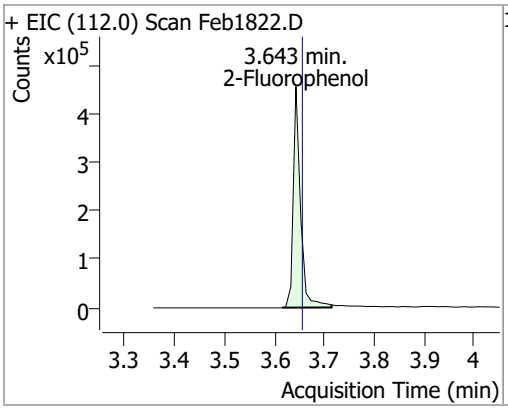


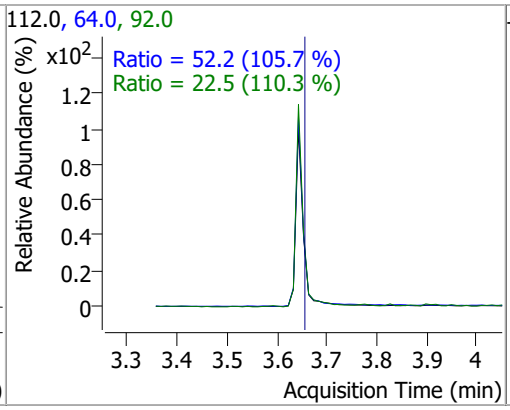
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

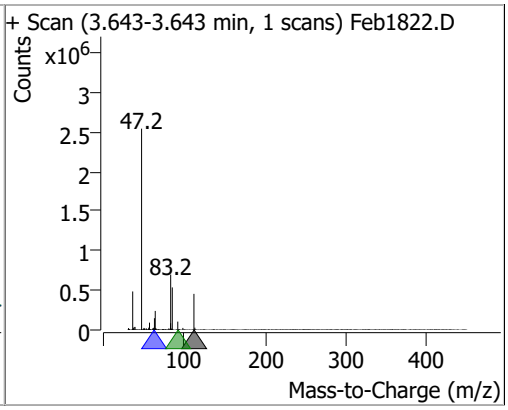




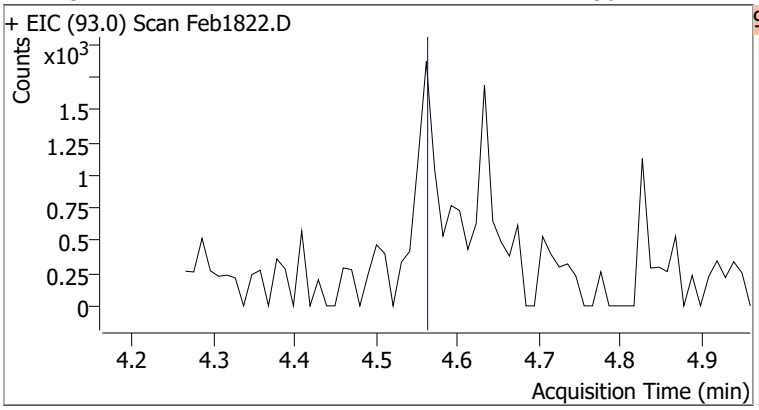
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	57.7143	3.64	-0.01	460221	64.0	52.2	34.6	64.3
					92.0	22.5	14.2	26.5

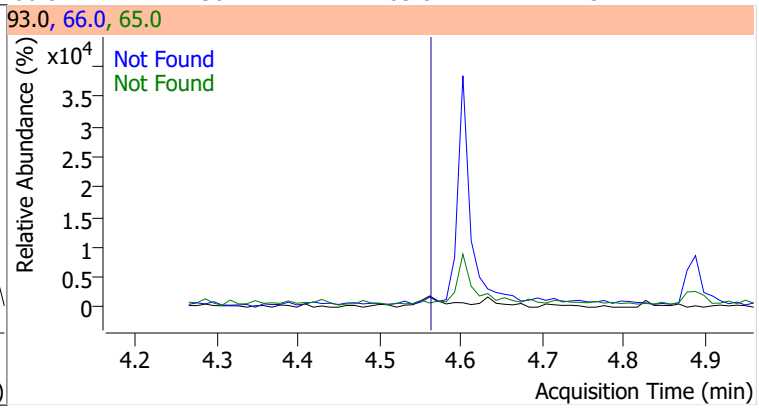






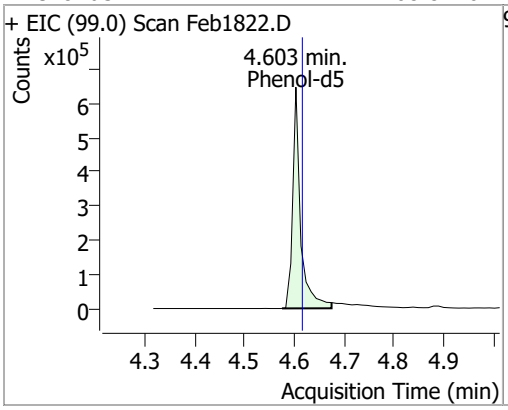
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

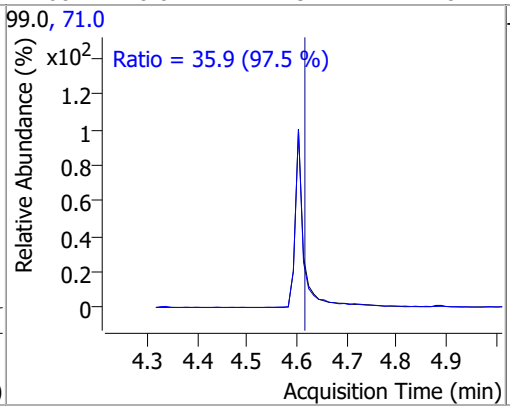


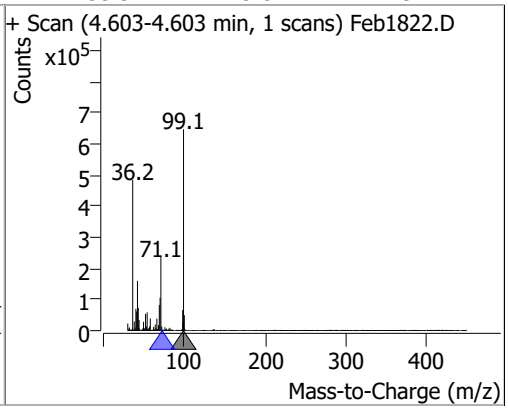


Quantitation Results Report (QT Reviewed)

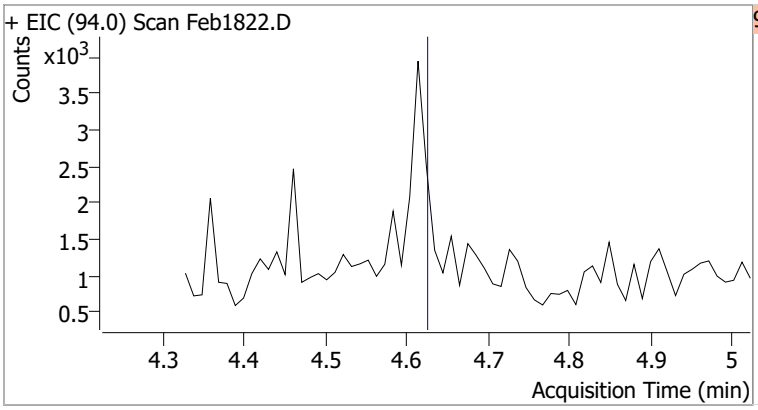
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	68.8146	4.60	-0.01	714942	71.0	35.9	25.8	47.9

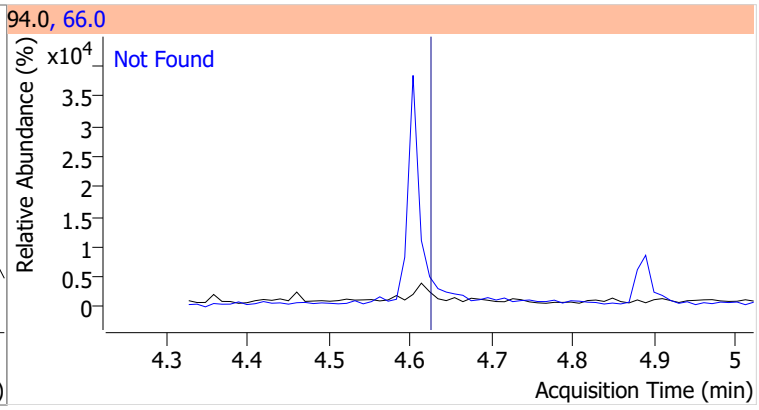




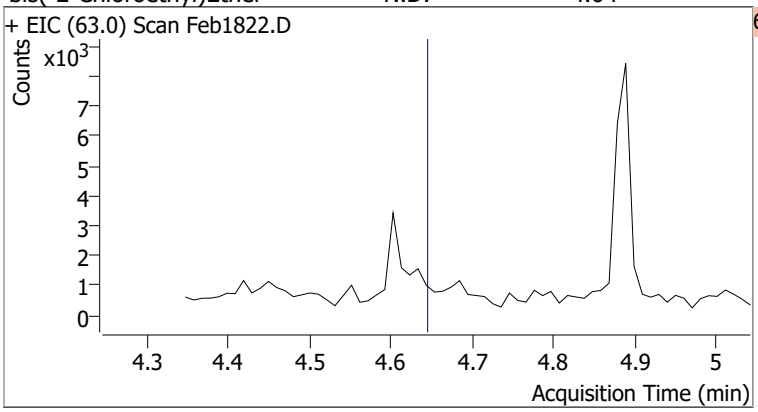


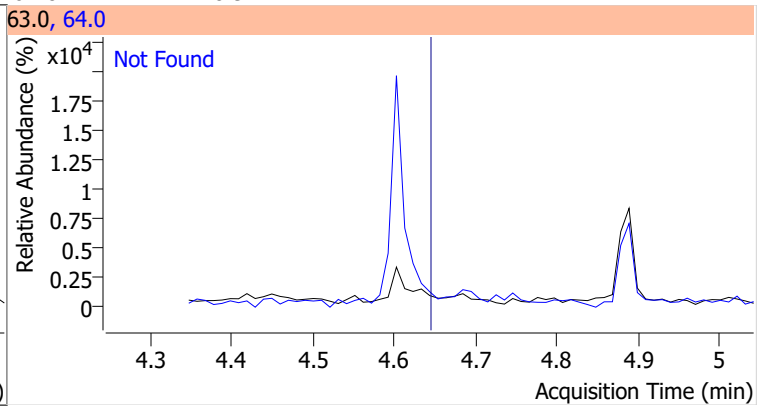
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



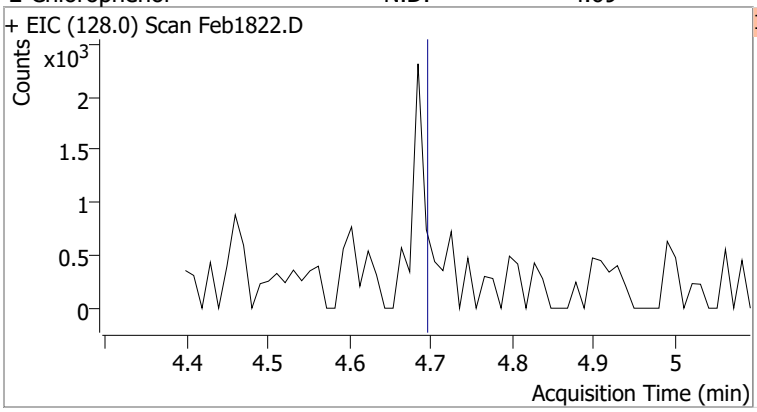


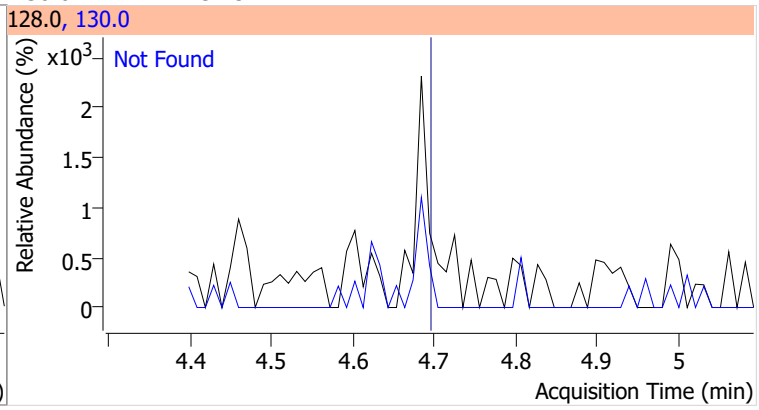
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



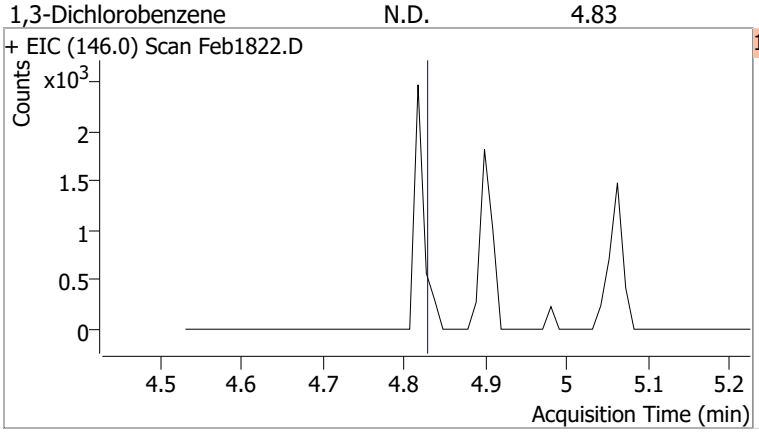


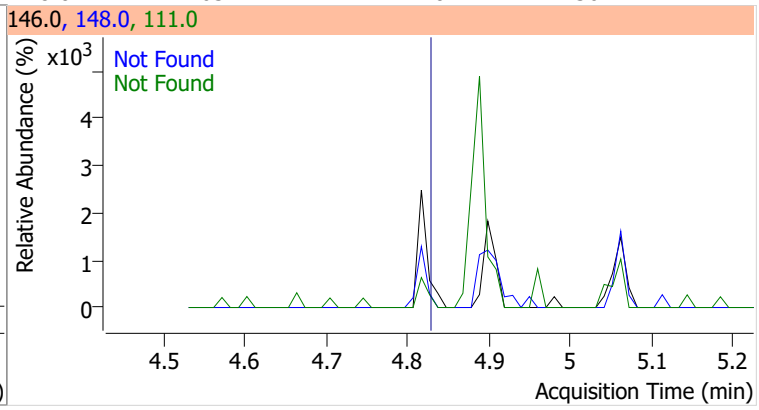
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



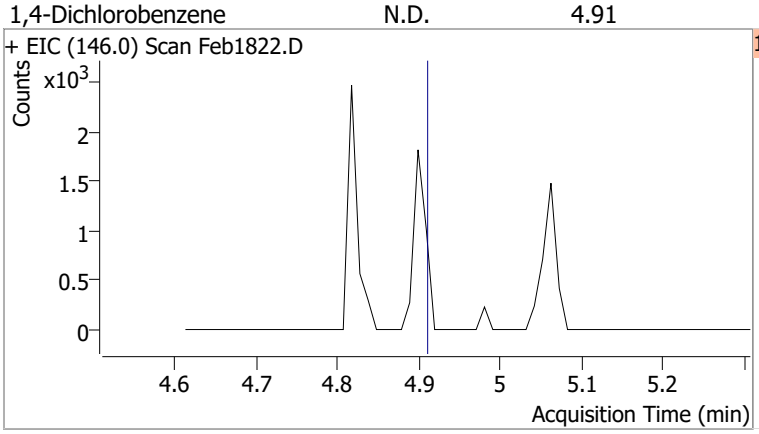


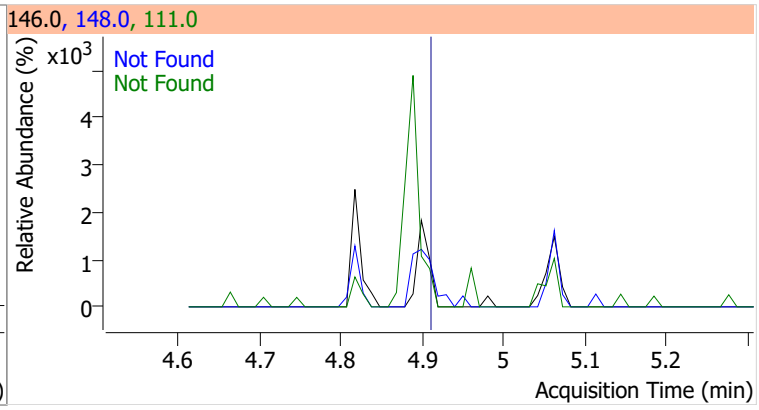
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



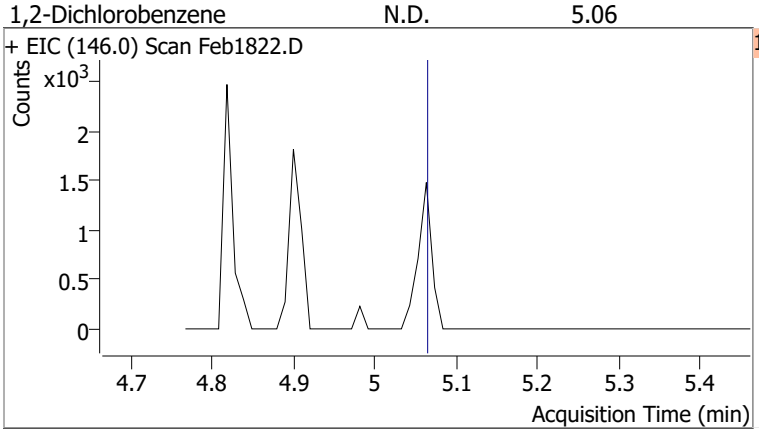


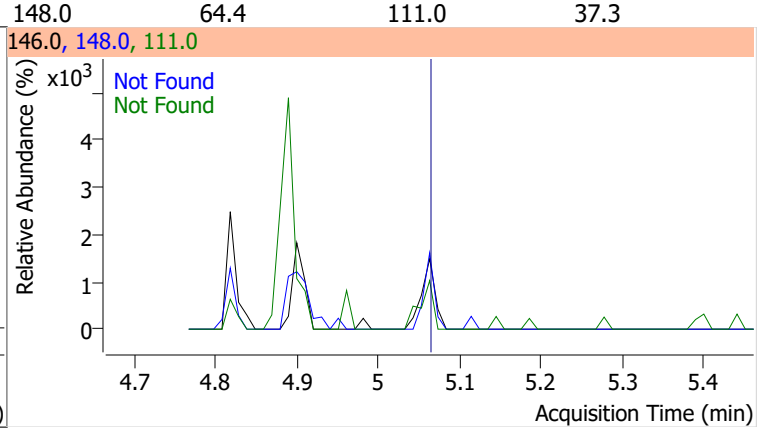
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



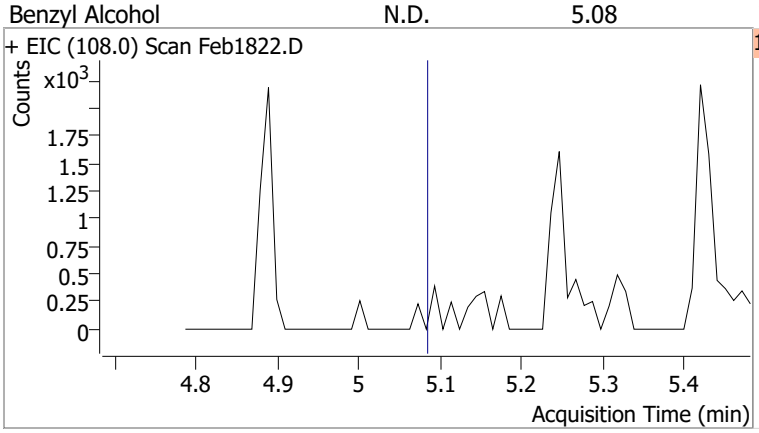


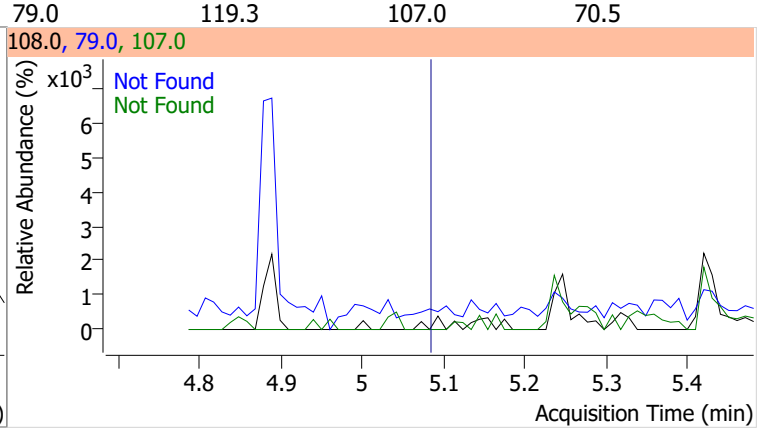
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



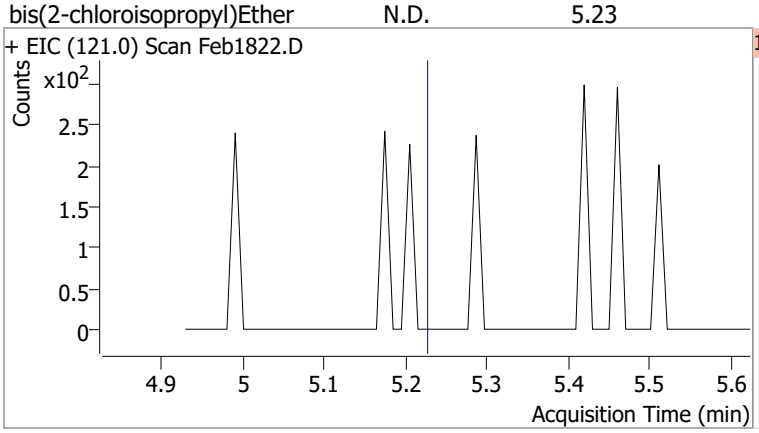


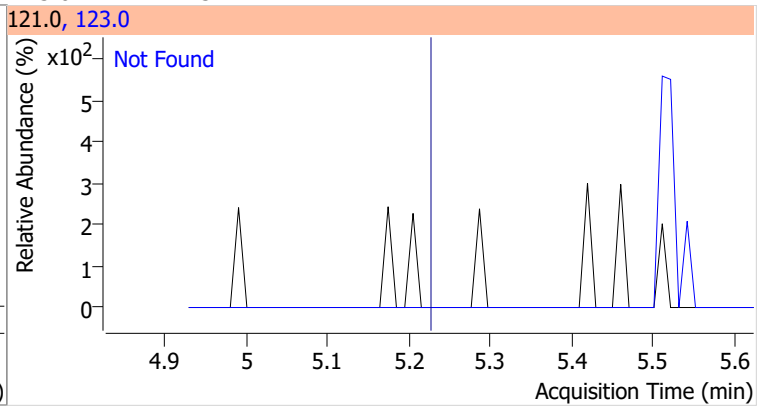
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



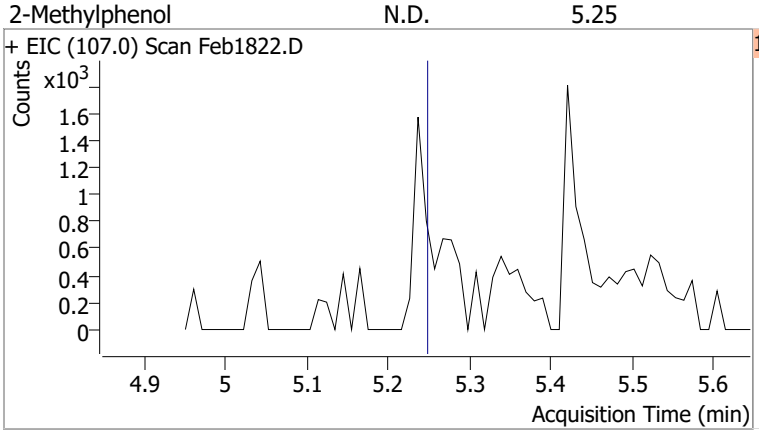


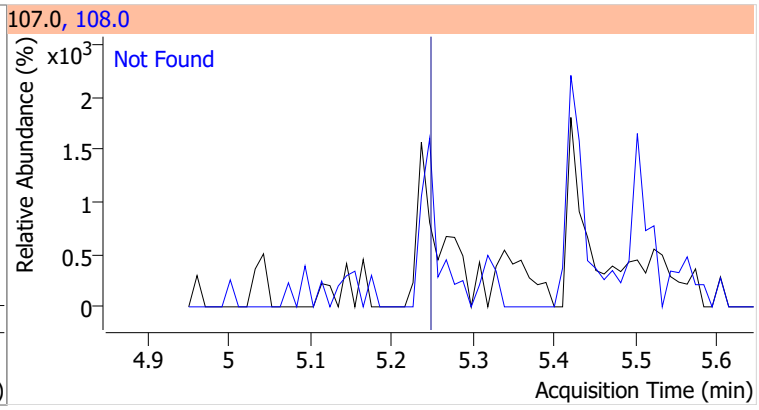
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



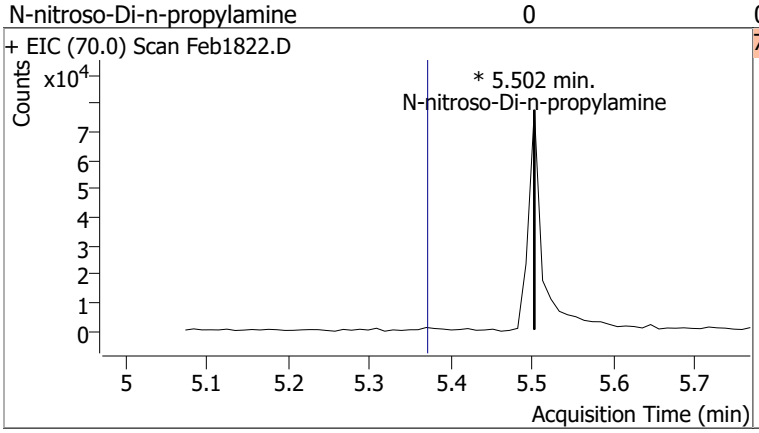


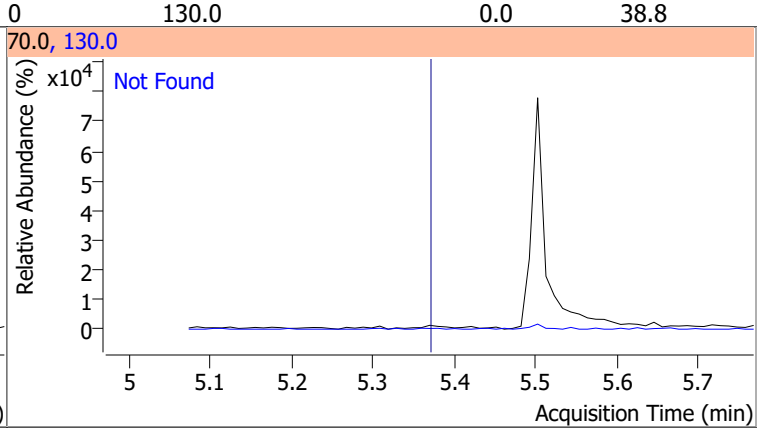
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



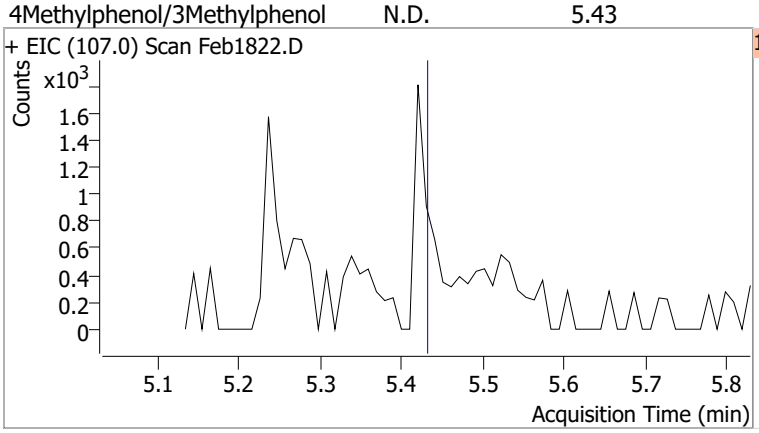


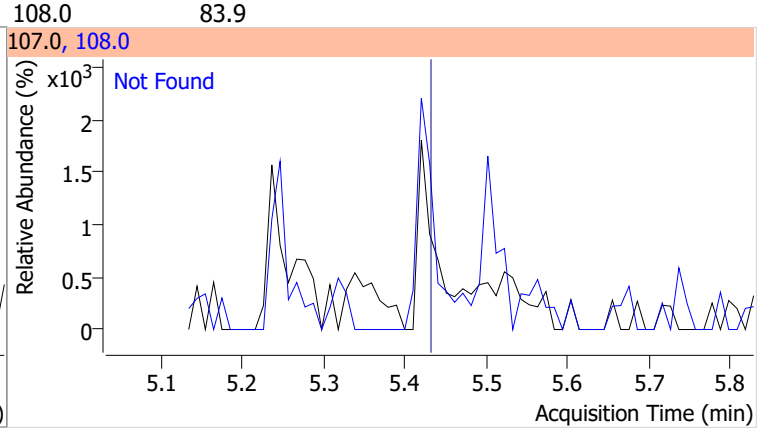
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



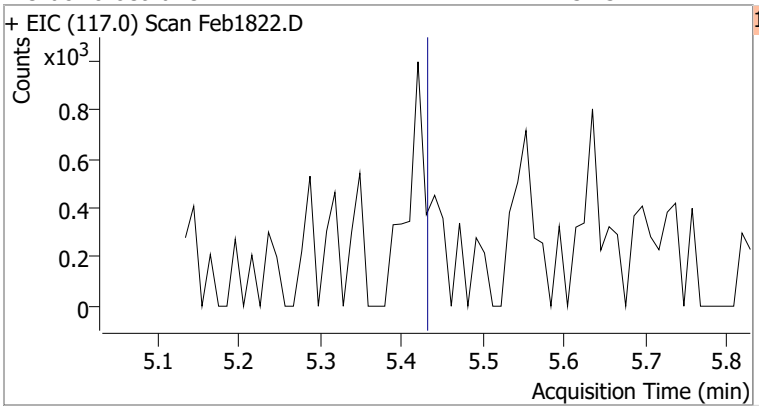


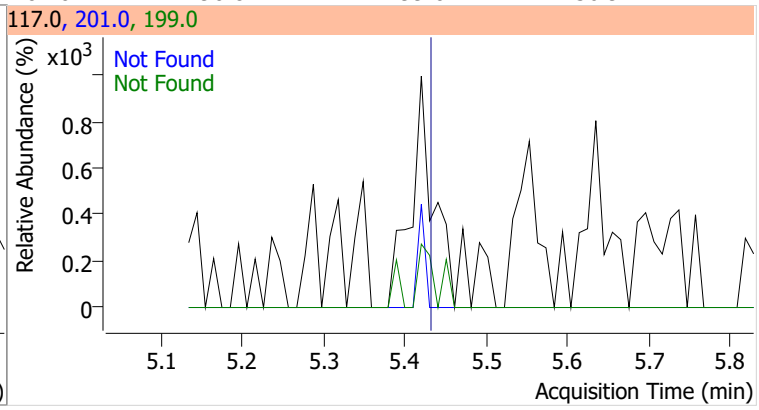
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



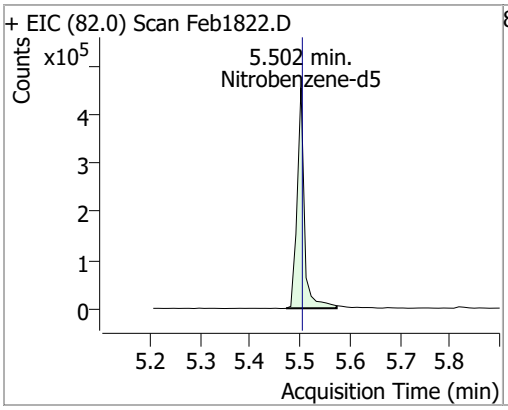


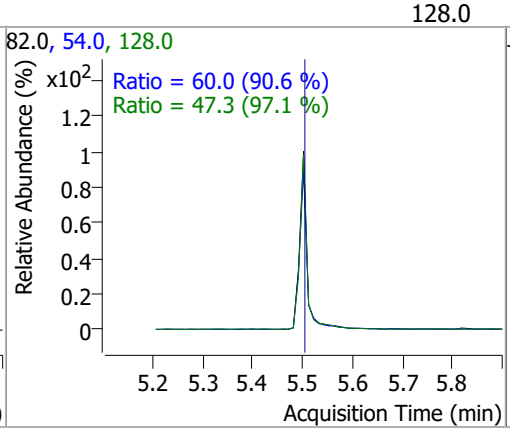
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

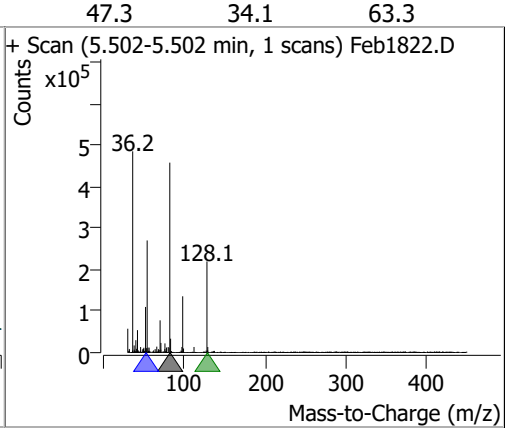




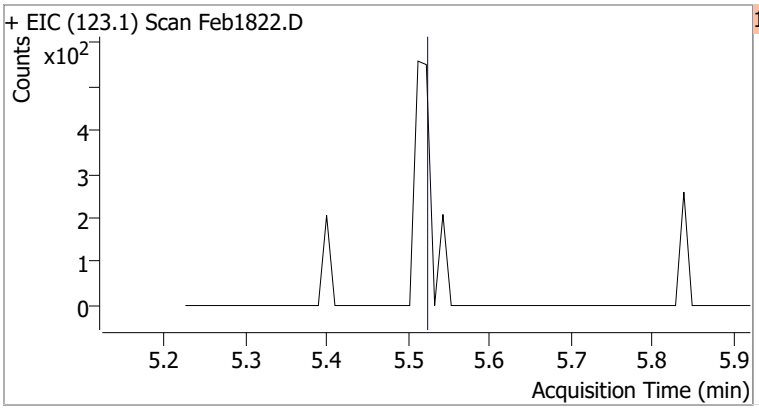
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	79.2676	5.50	0.00	459272	54.0	60.0	46.3	86.0
					128.0	47.3	34.1	63.3

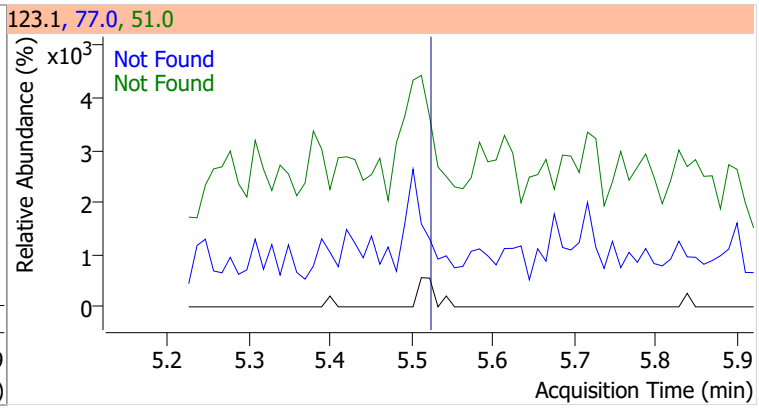




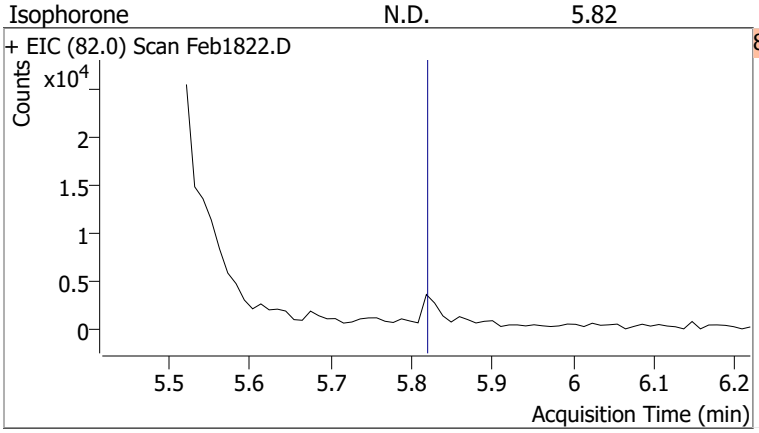


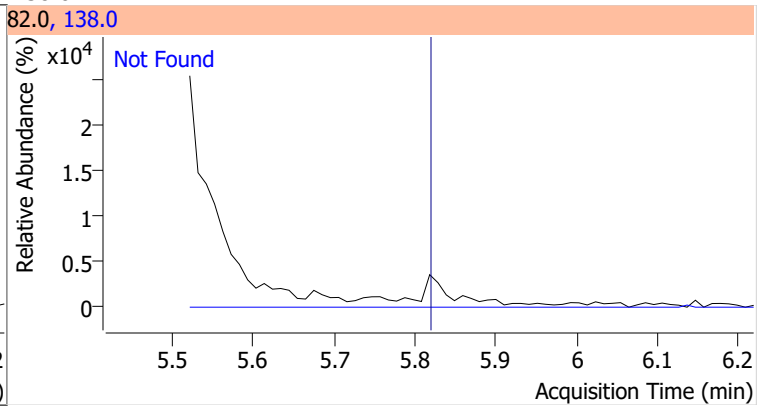
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



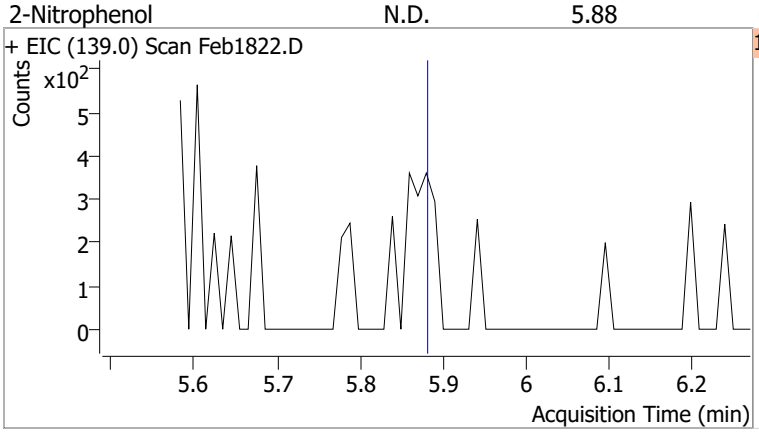


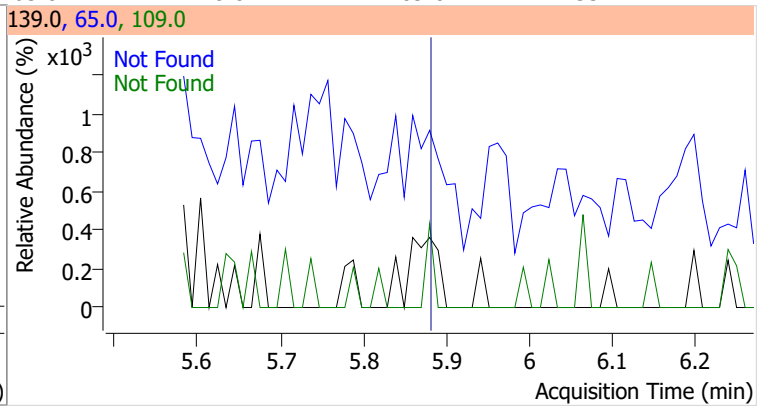
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



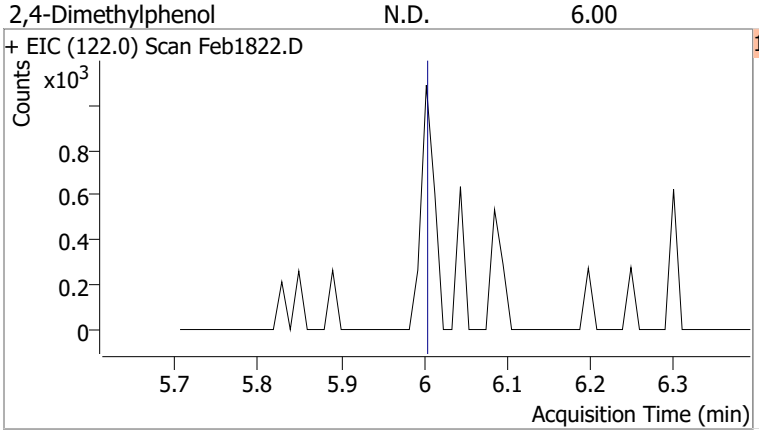


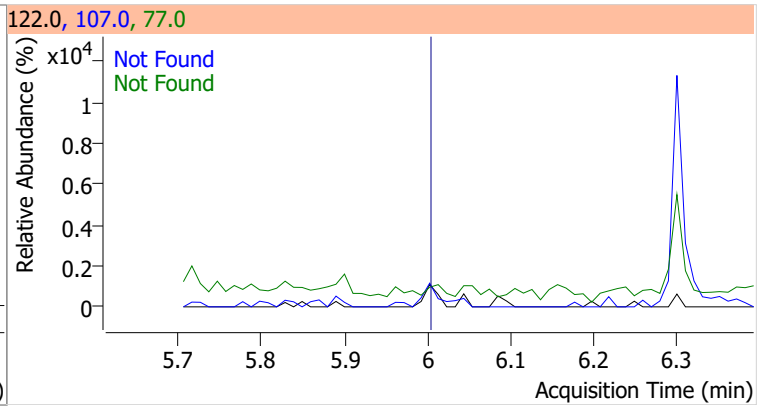
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



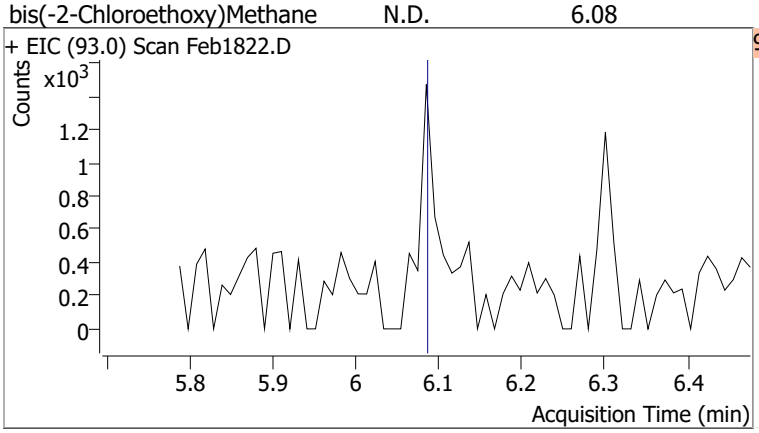


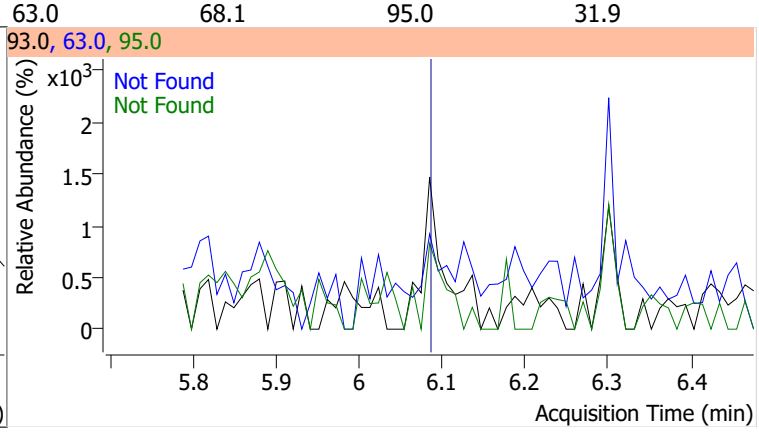
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



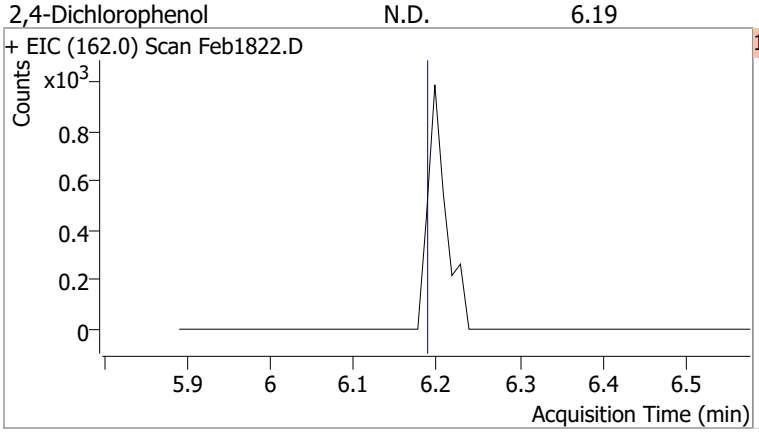


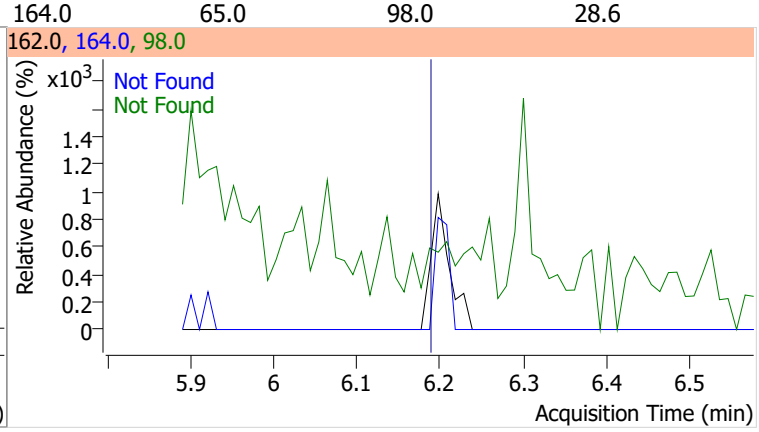
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



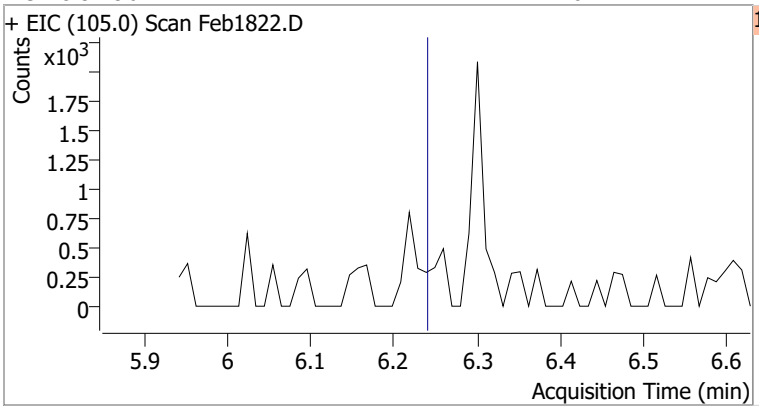


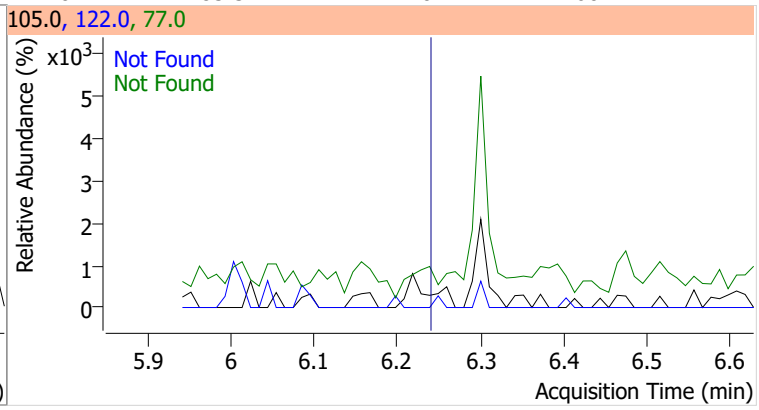
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



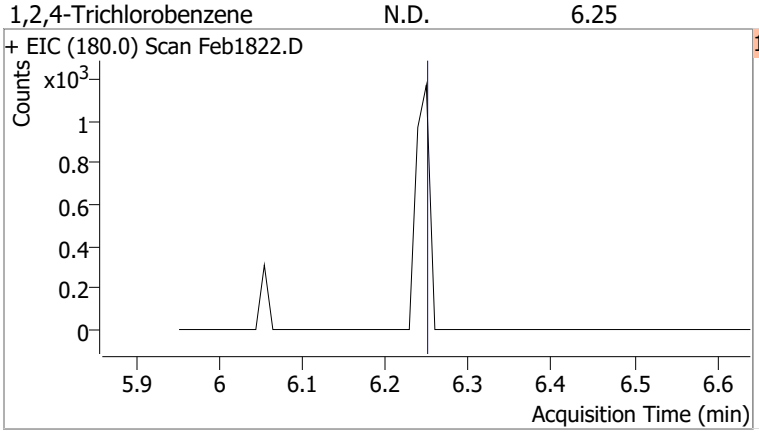


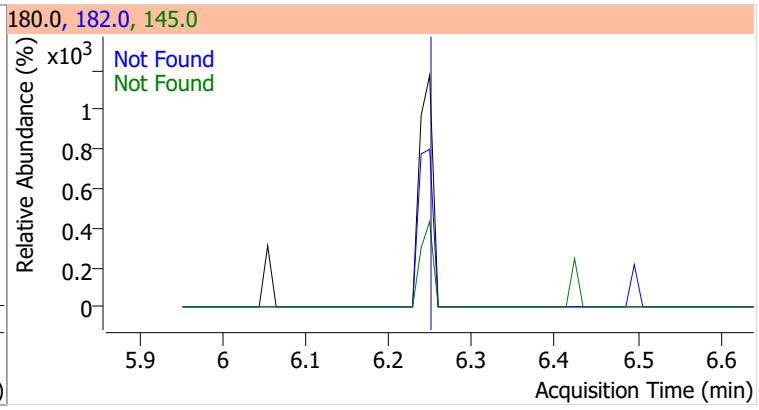
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



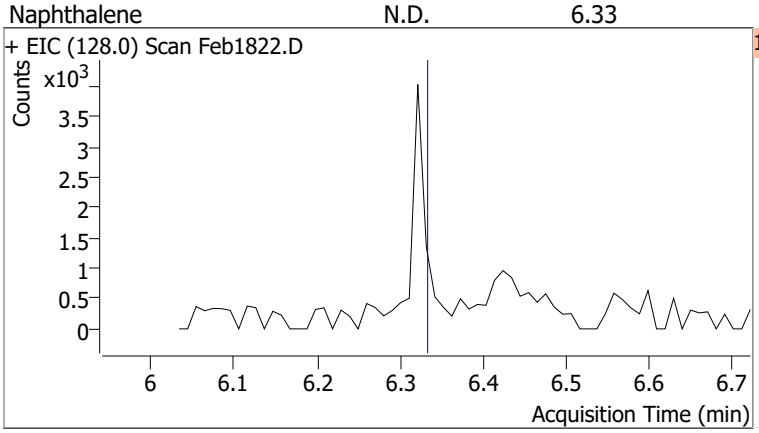


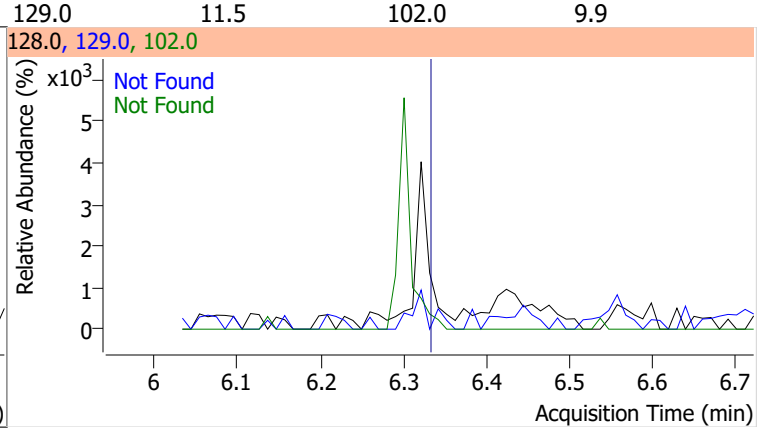
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



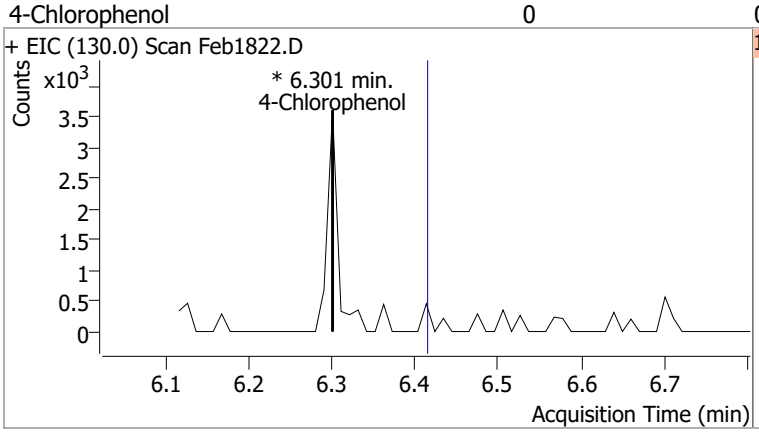


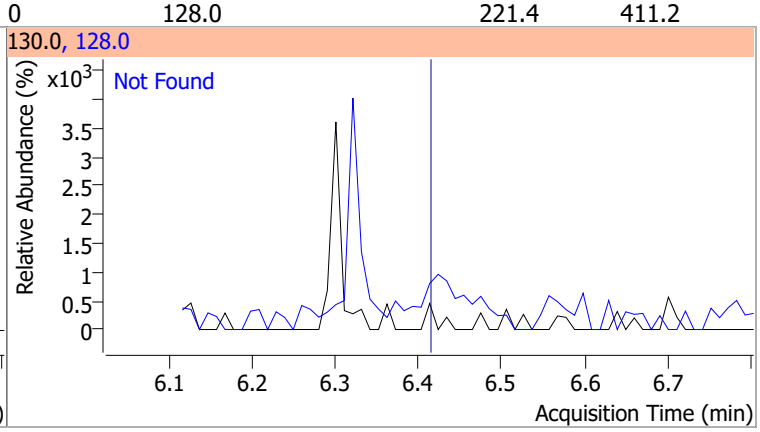
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



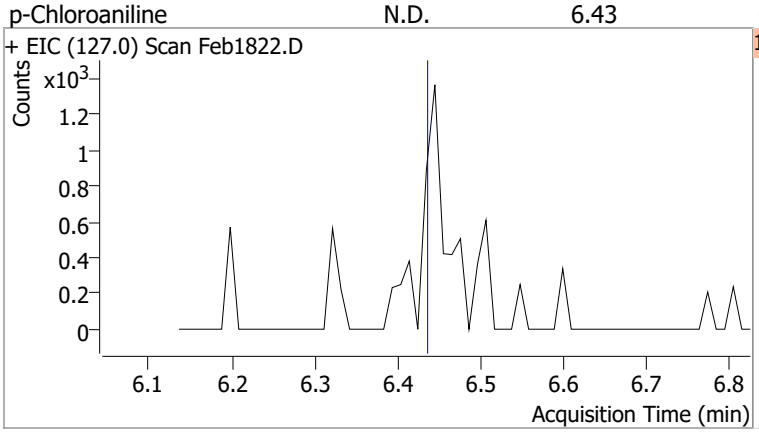


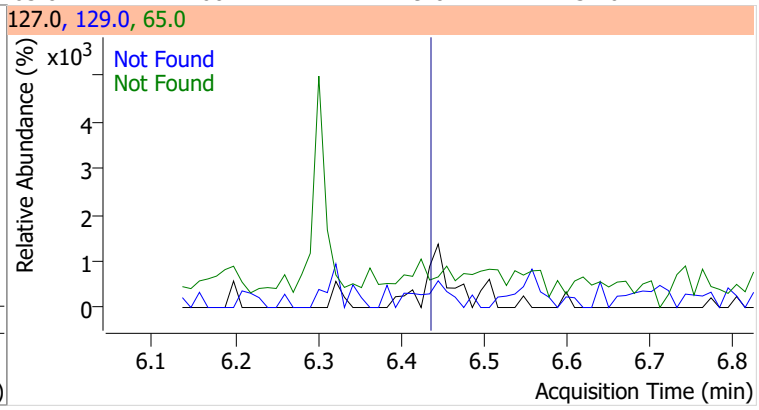
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol		0		0	128.0		221.4	411.2



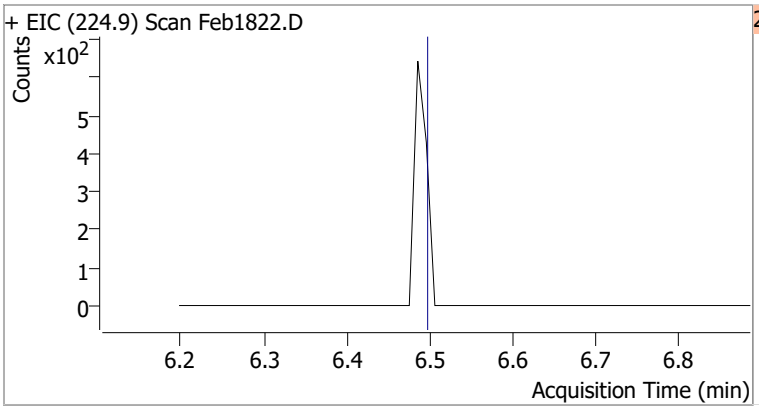


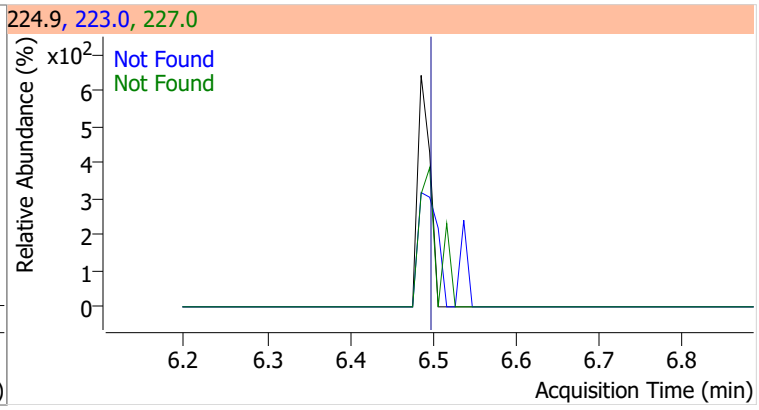
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



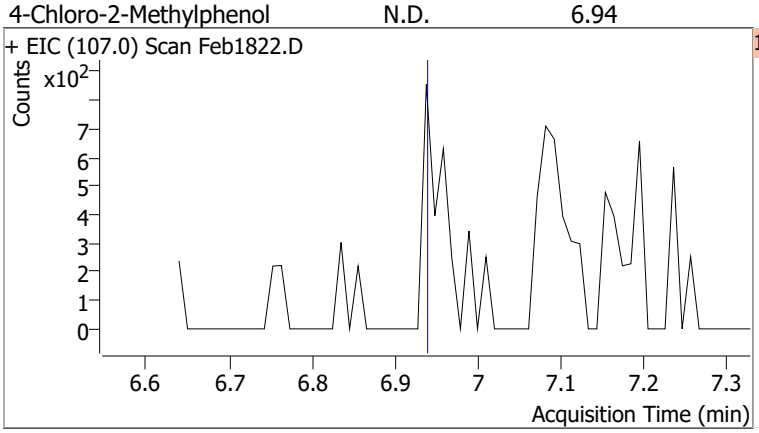


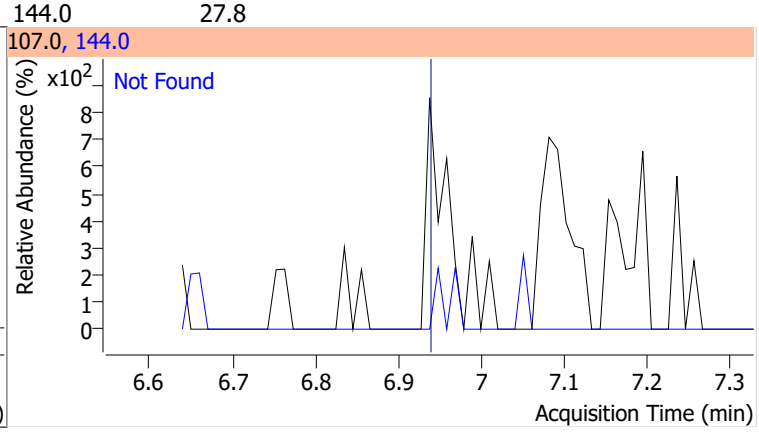
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



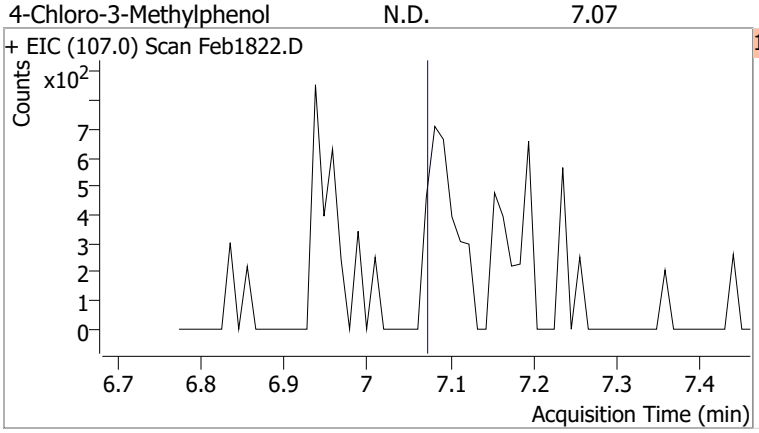


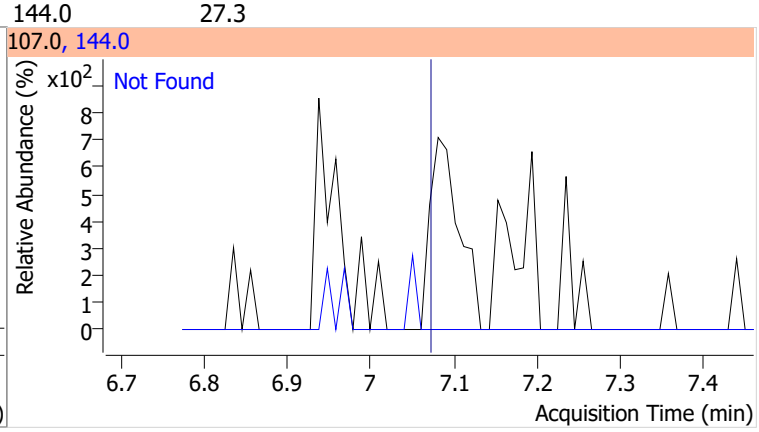
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



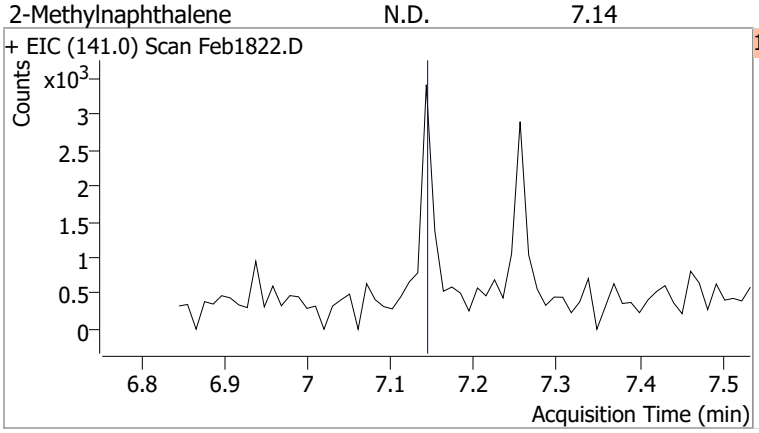


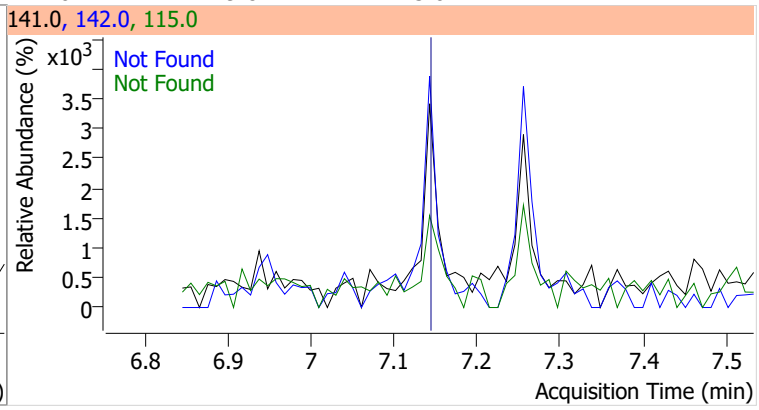
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



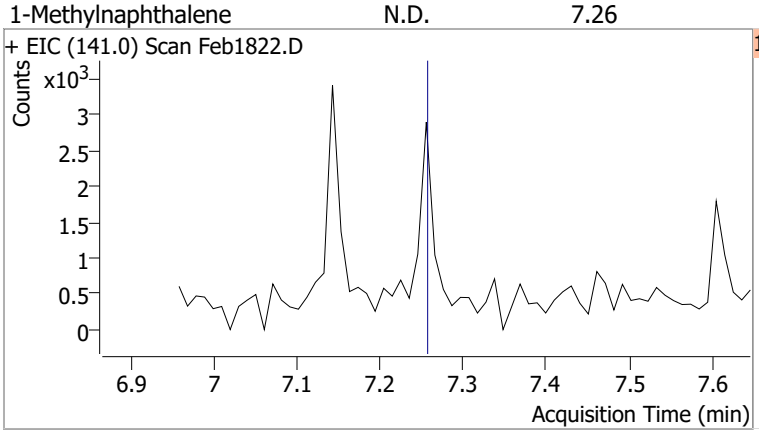


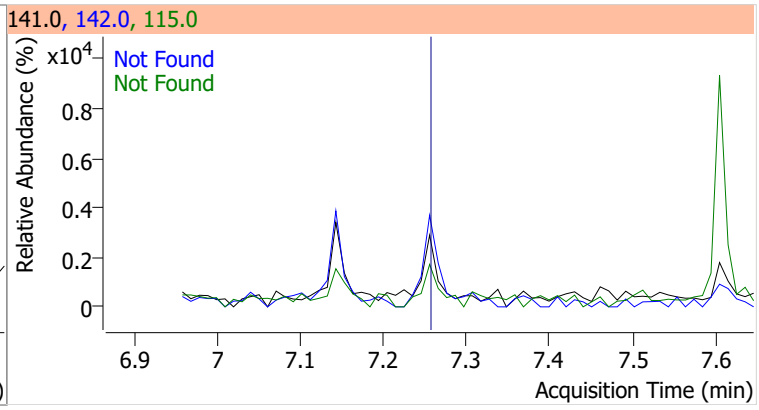
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



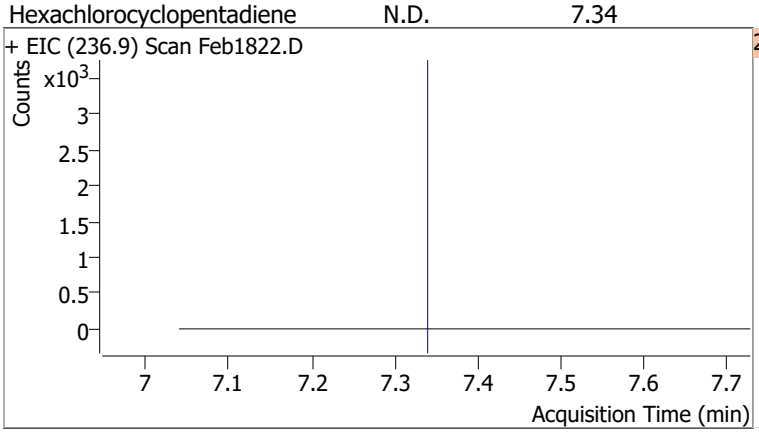


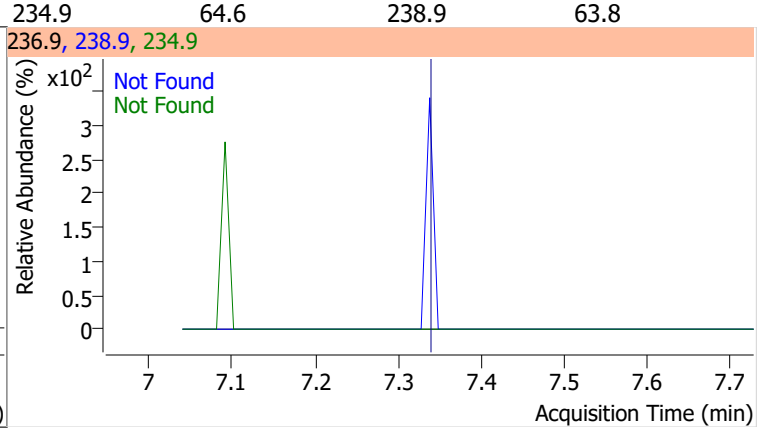
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



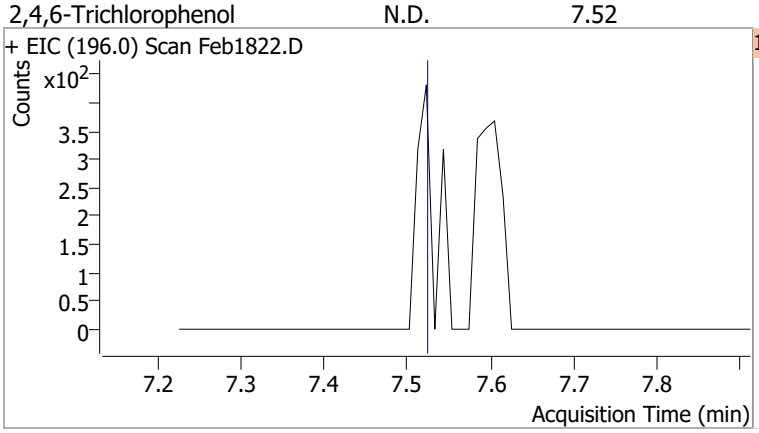


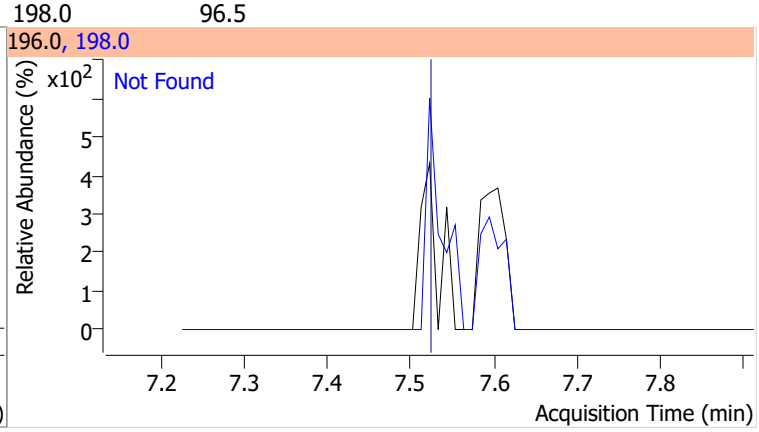
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



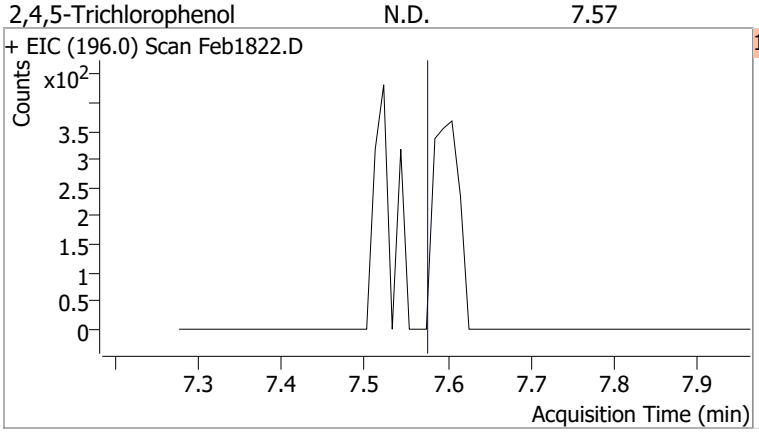


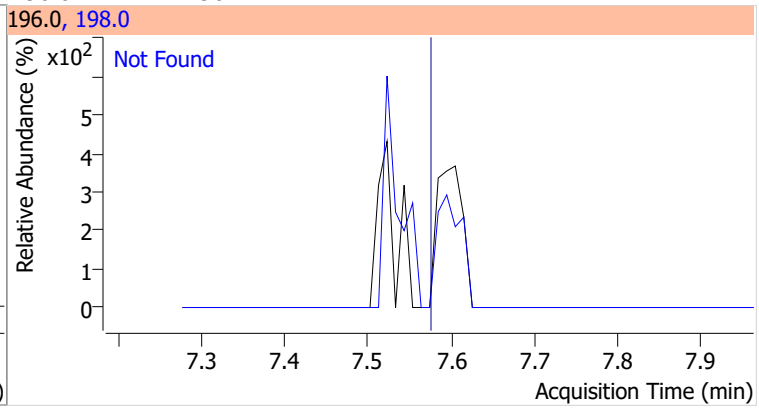
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



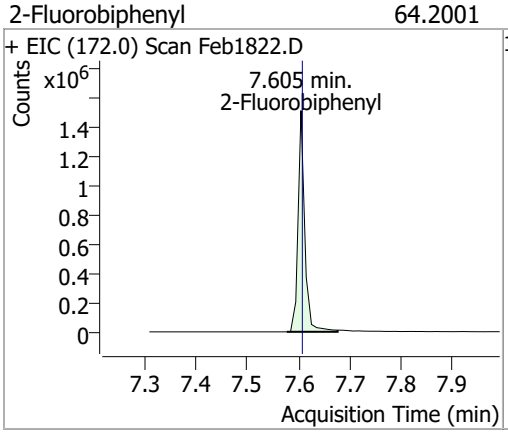


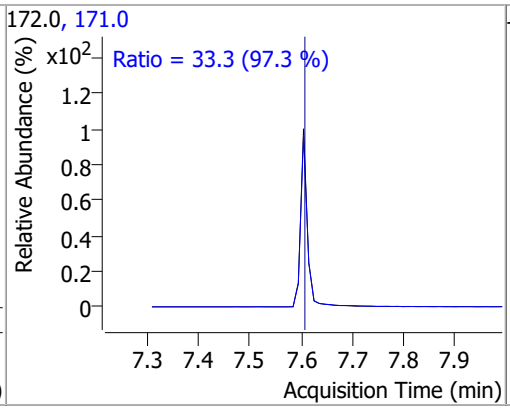
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

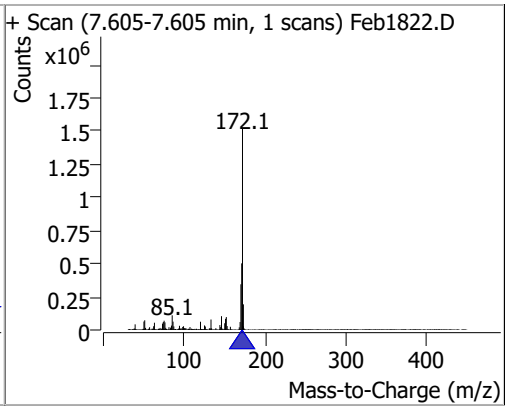




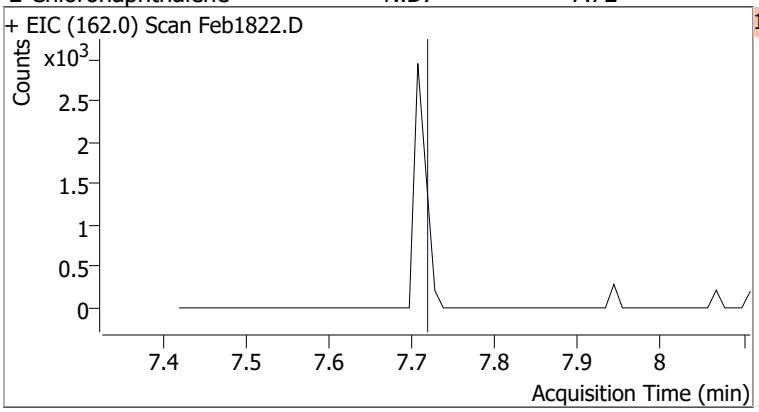
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	64.2001	7.60	0.00	1380011	171.0	33.3	24.0	44.5

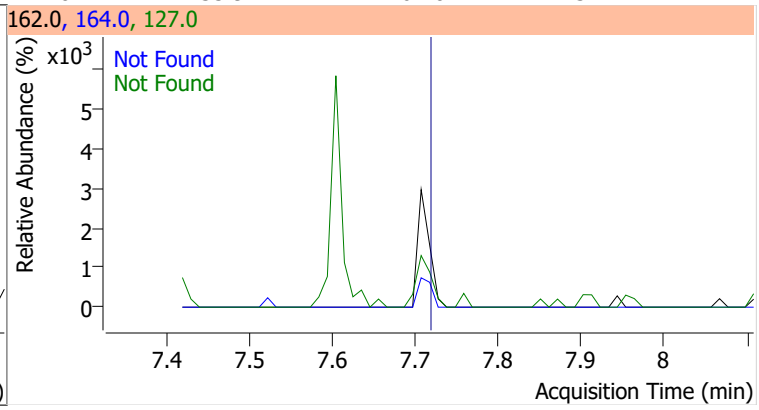




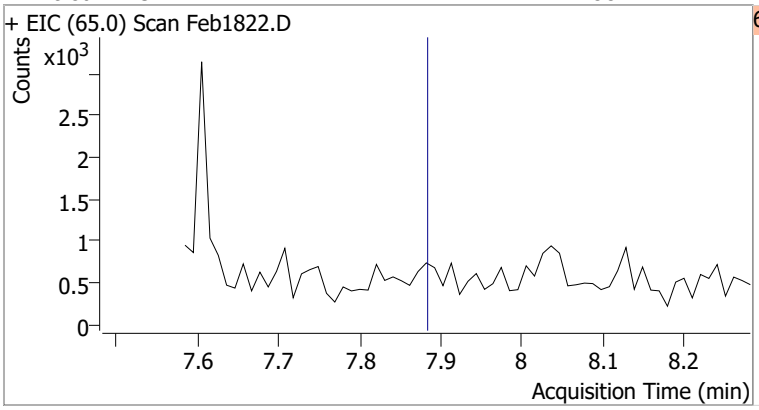


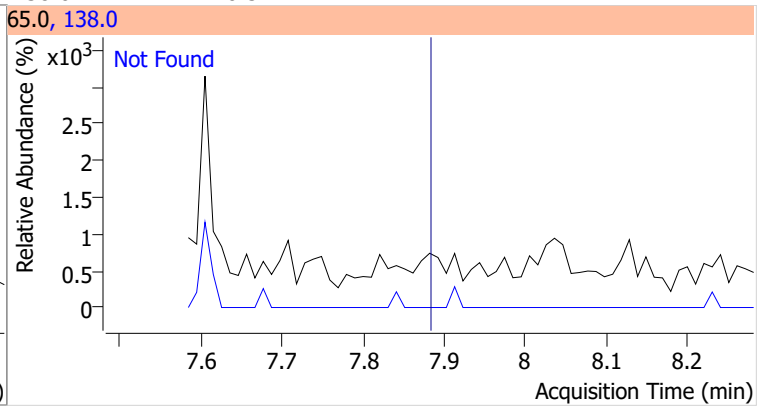
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



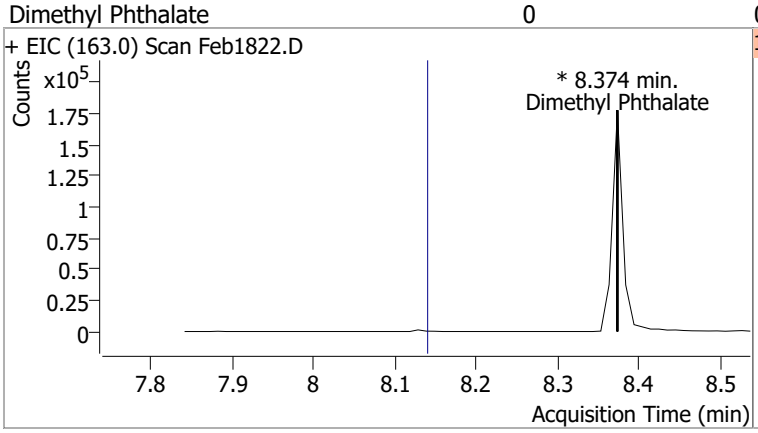


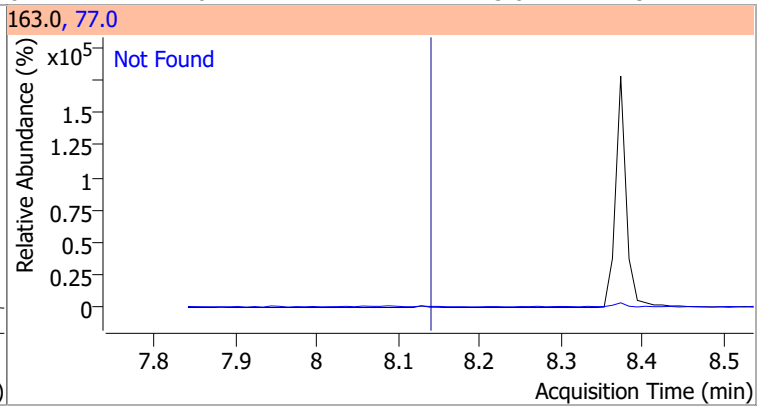
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



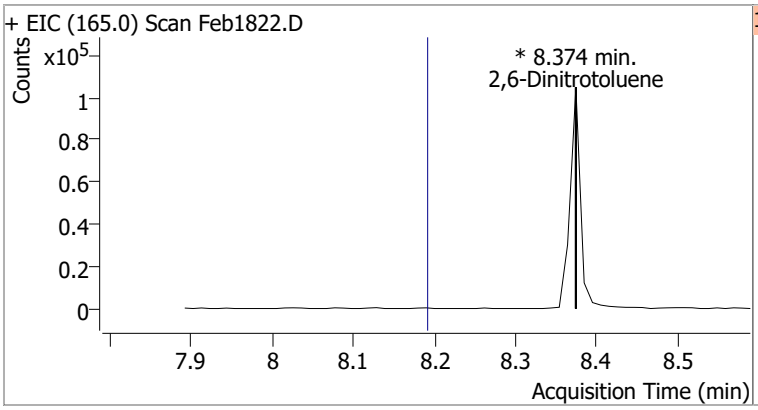


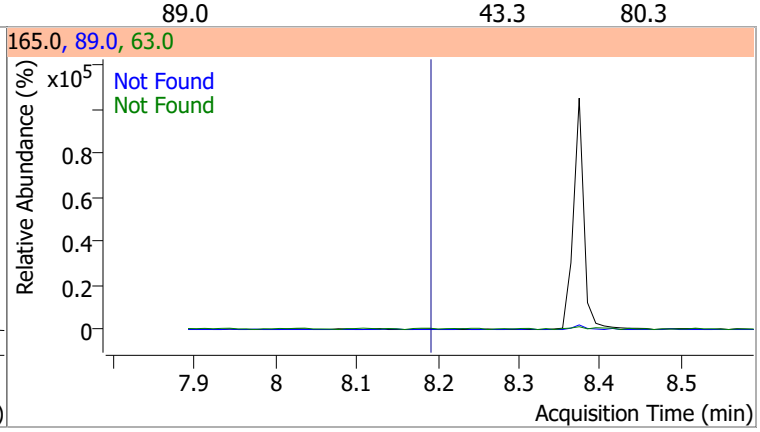
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



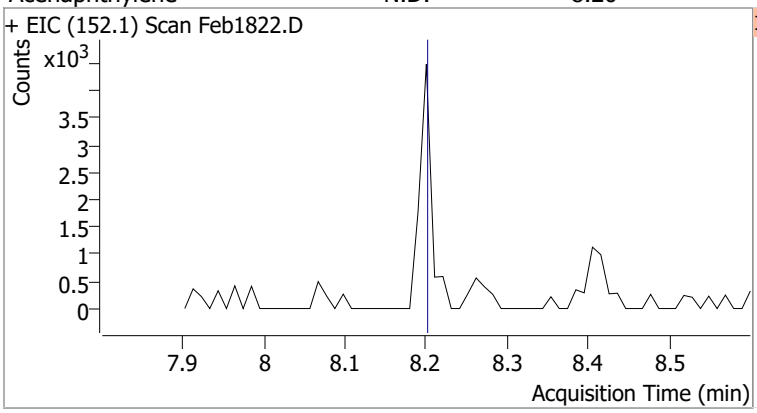


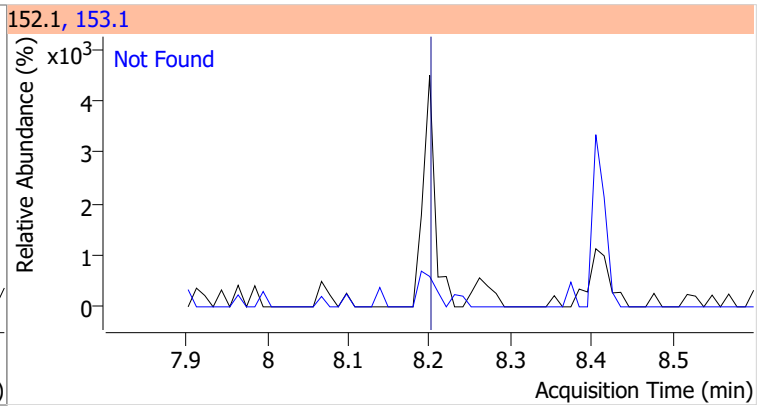
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



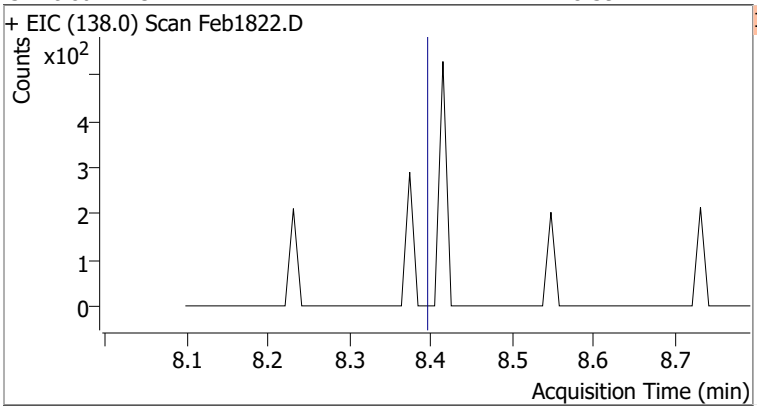


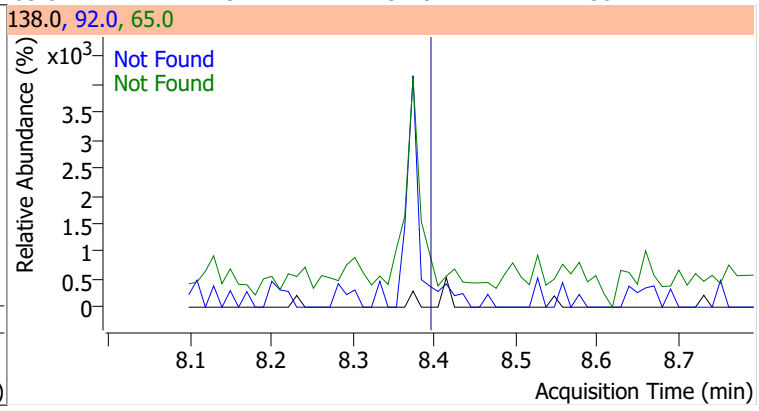
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



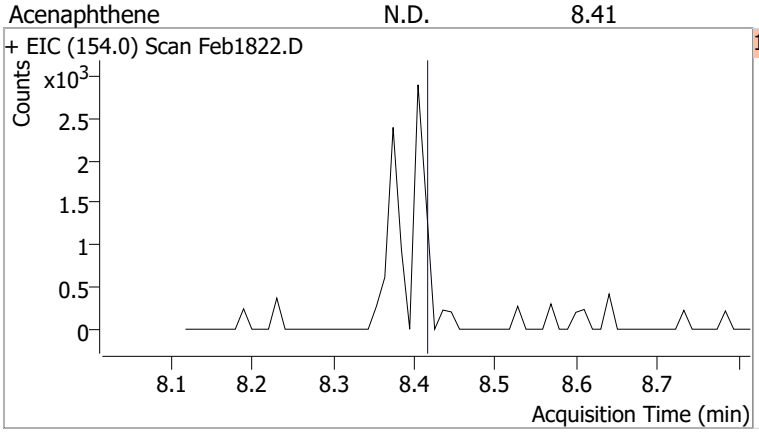


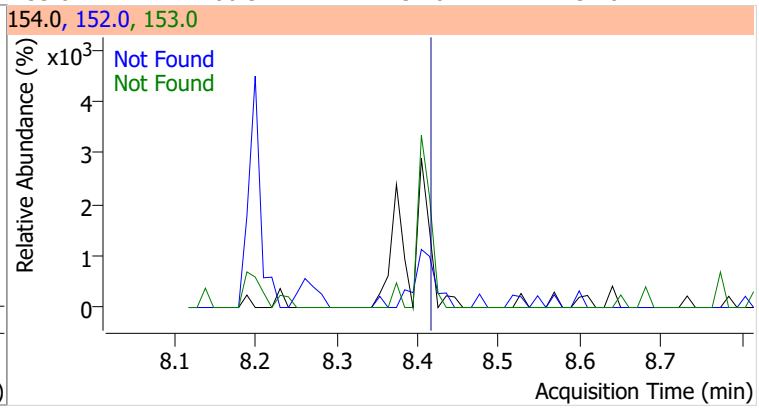
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



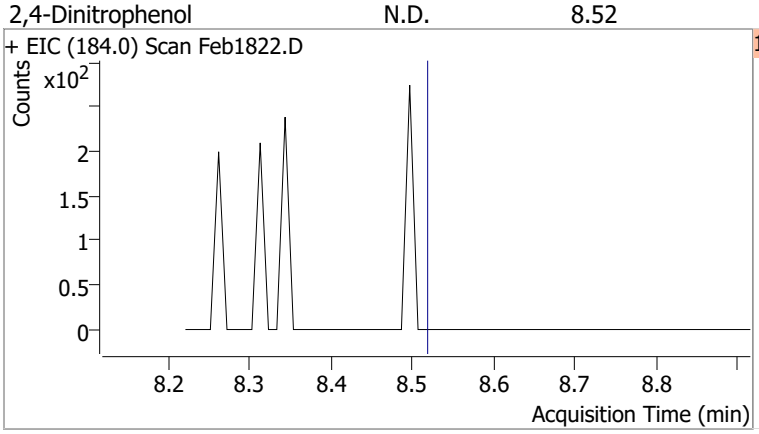


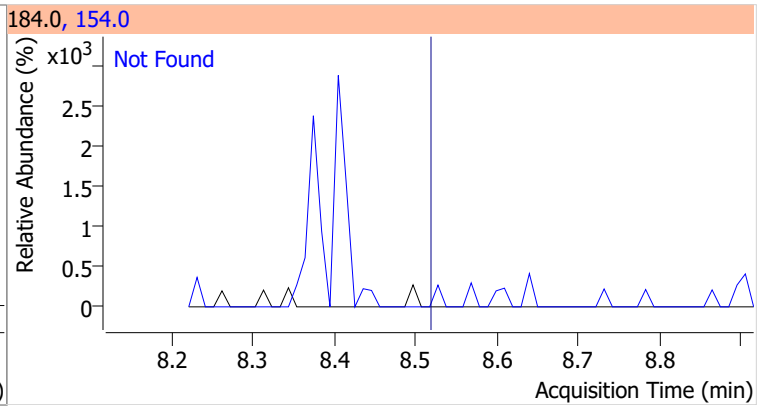
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



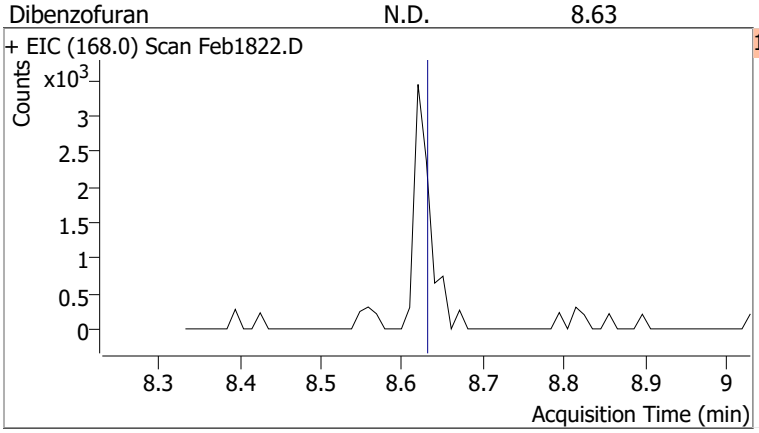


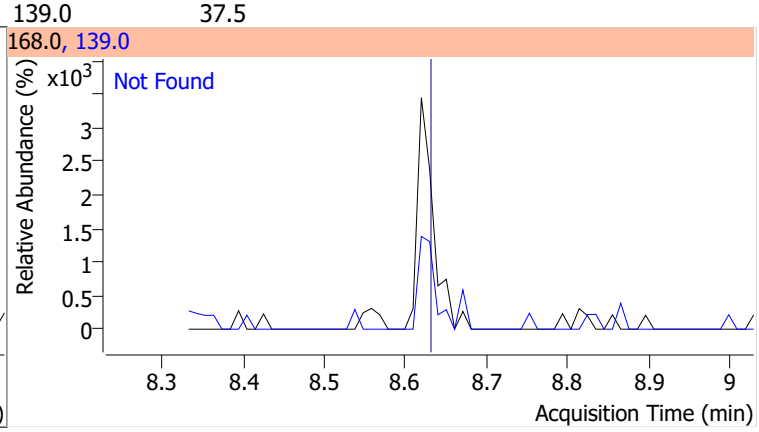
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



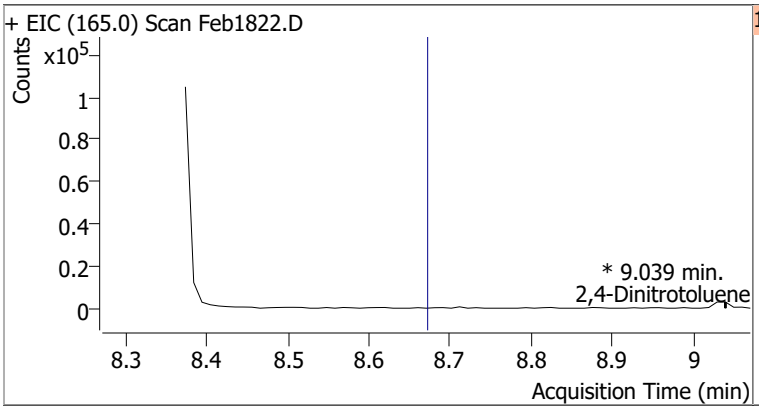


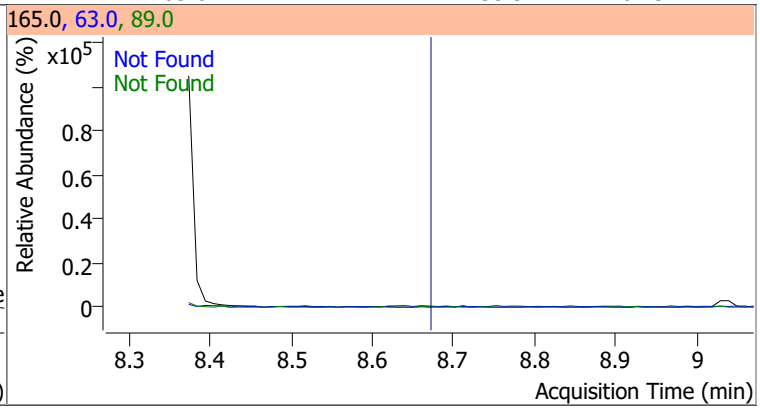
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



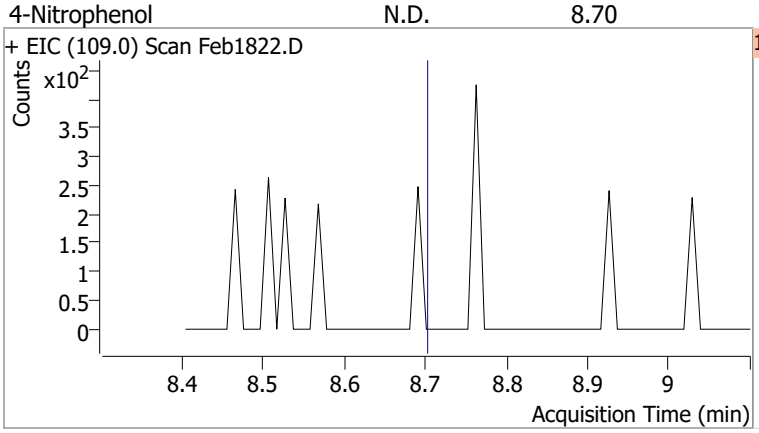


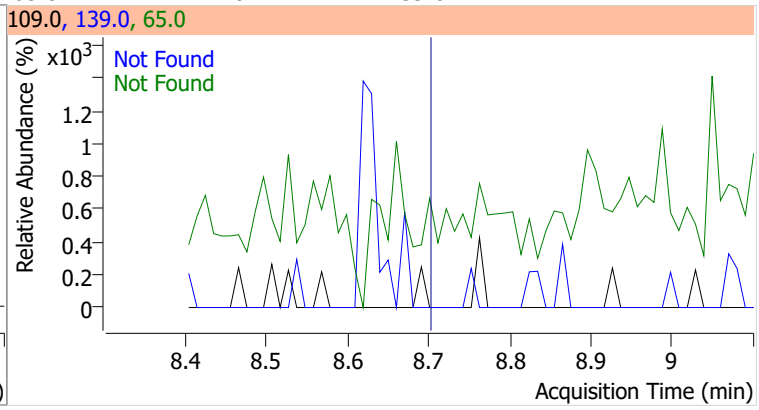
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene		0		0	89.0		55.4	102.9
					63.0		33.9	62.9



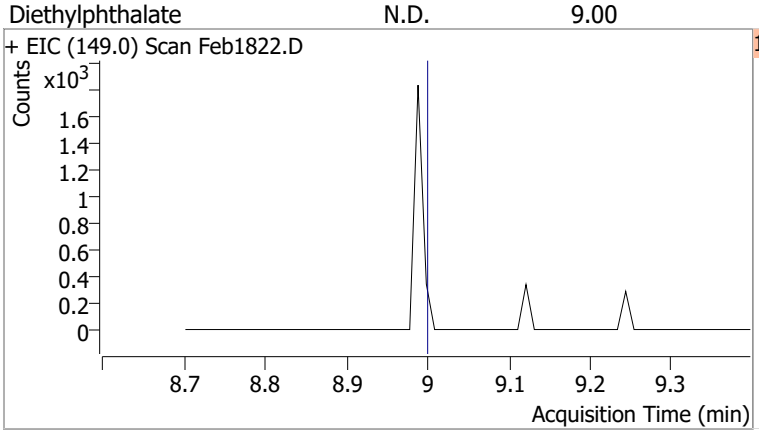


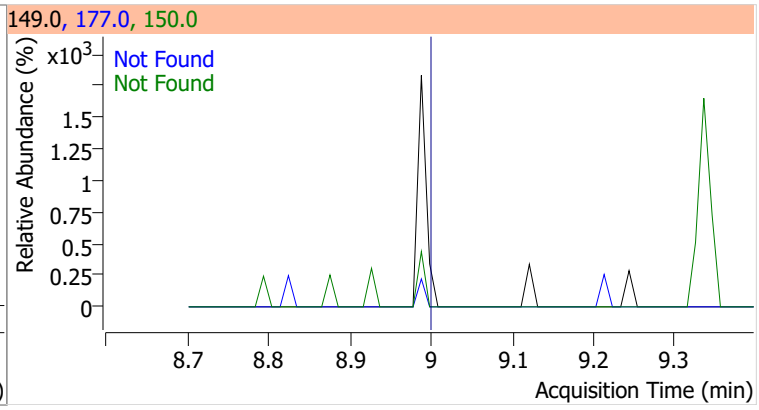
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



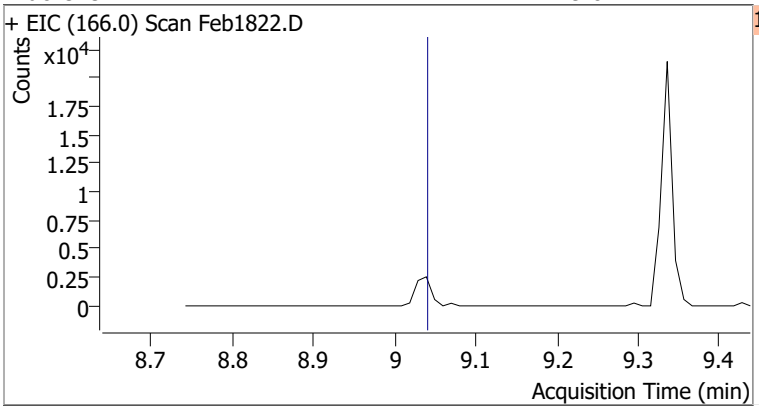


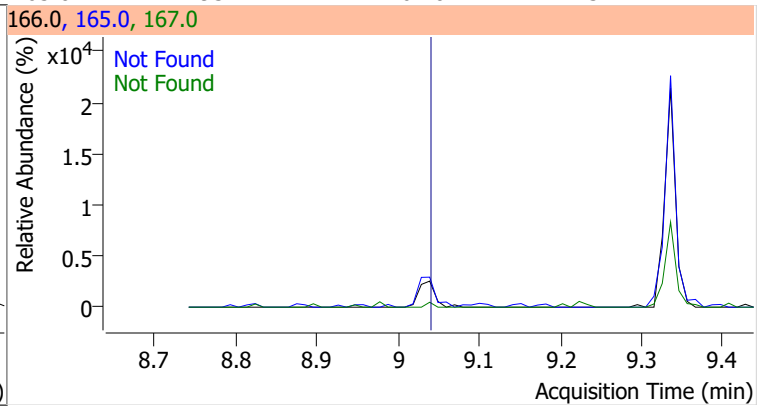
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



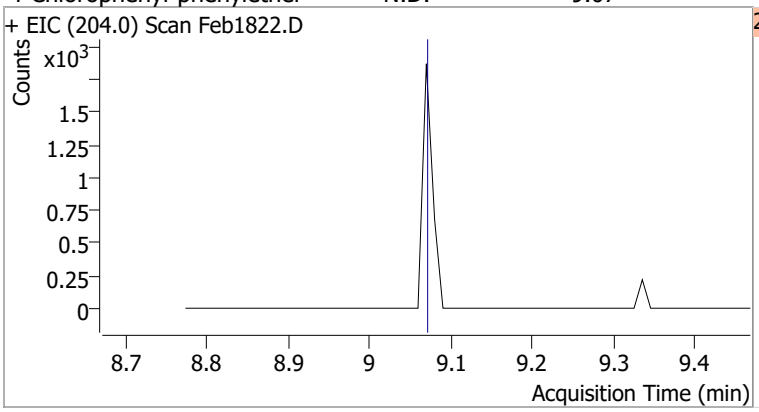


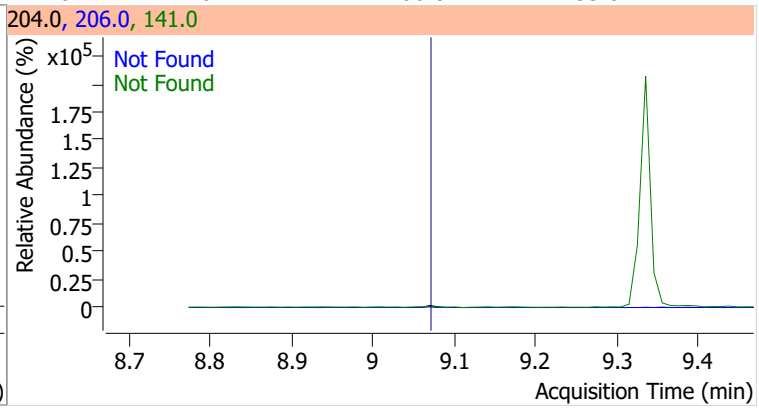
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



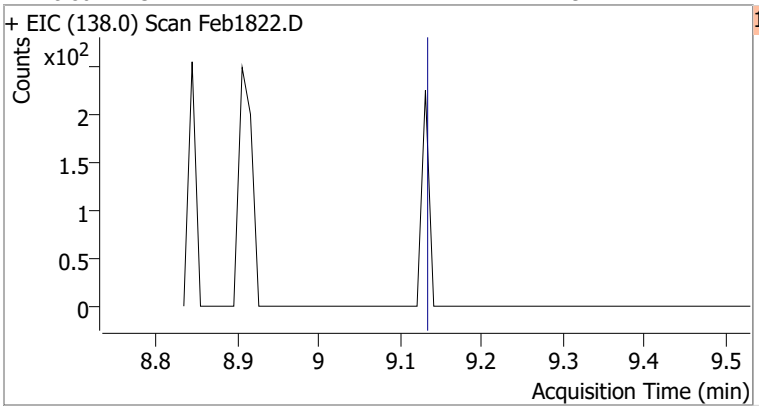


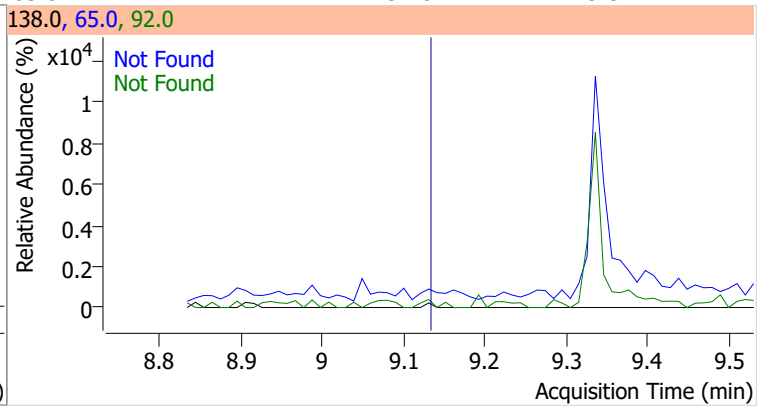
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



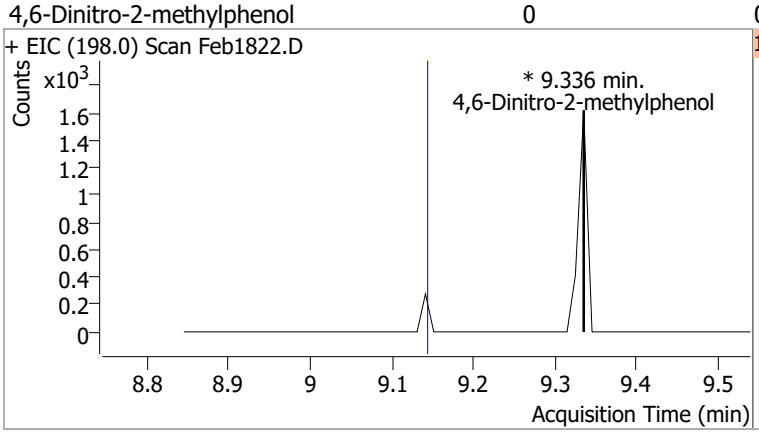


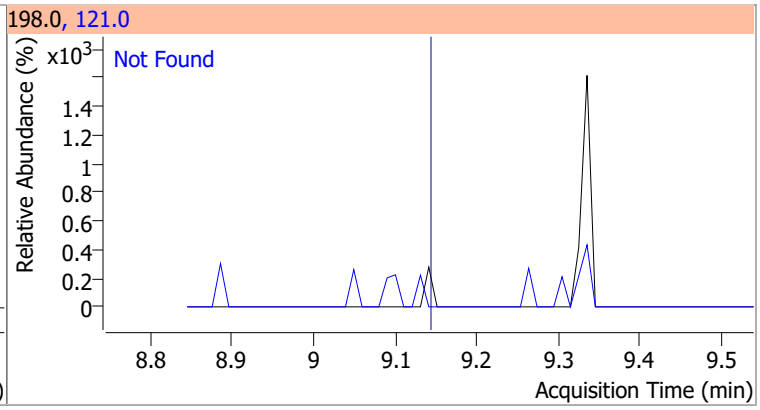
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



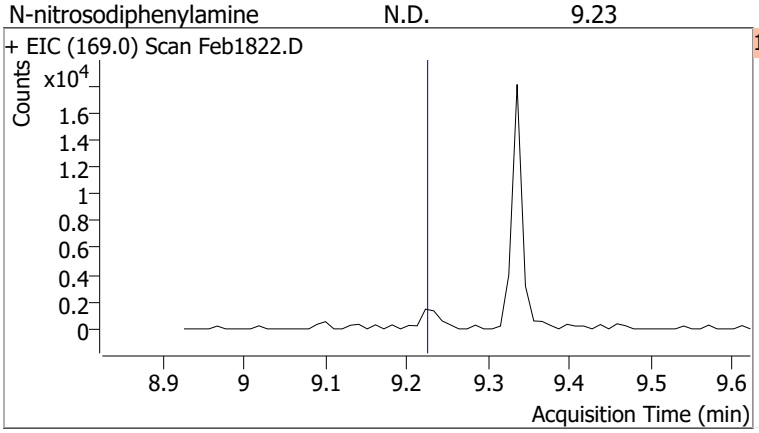


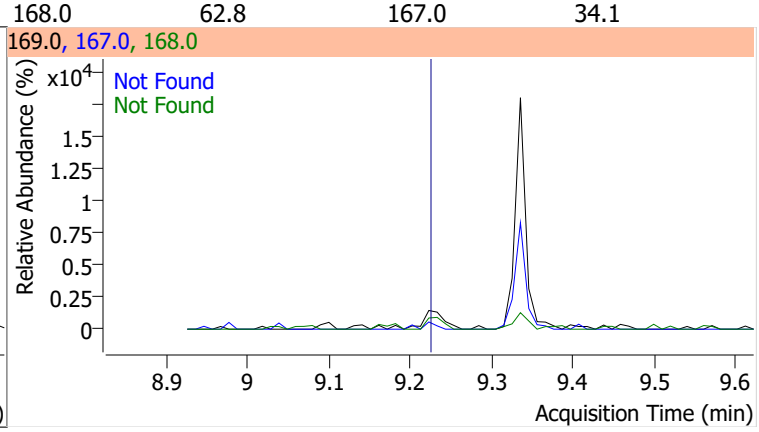
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



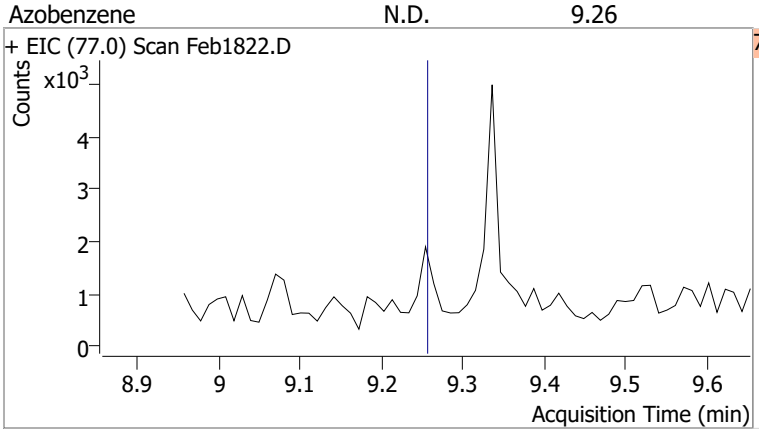


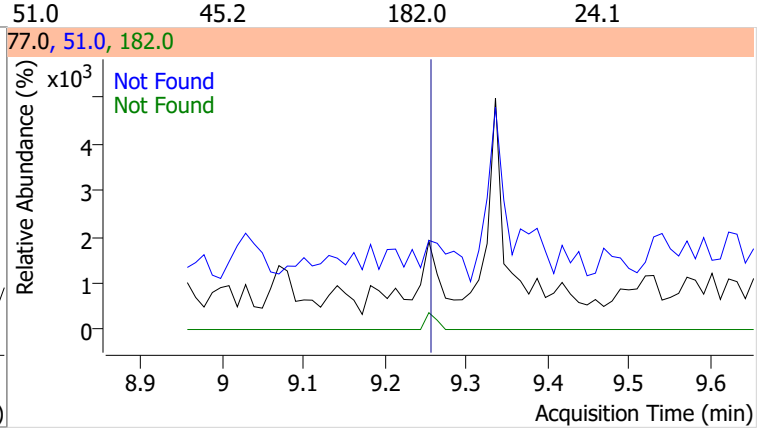
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



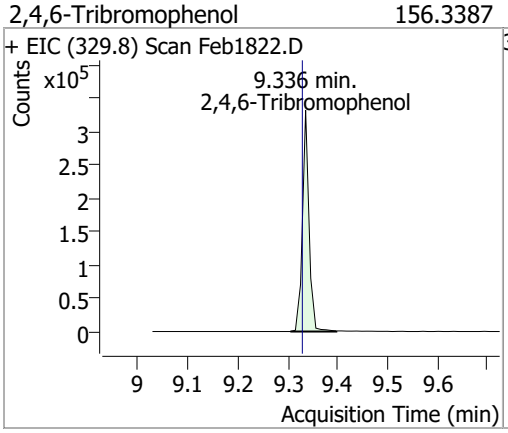


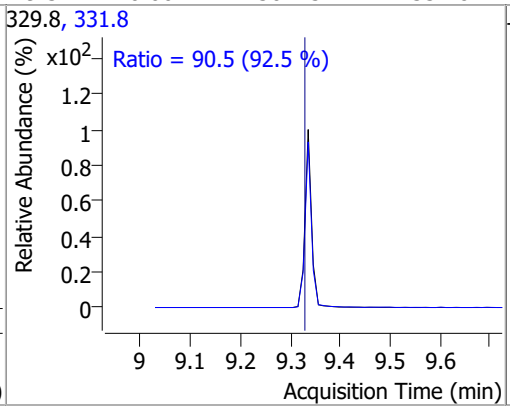
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

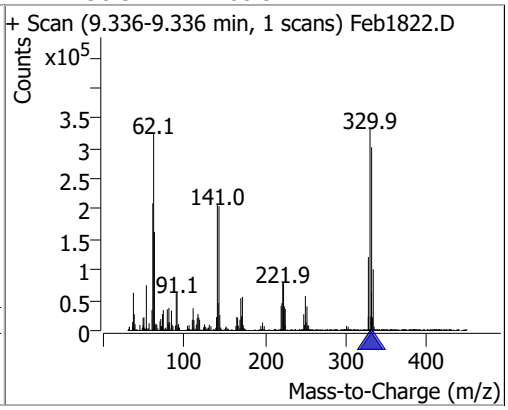




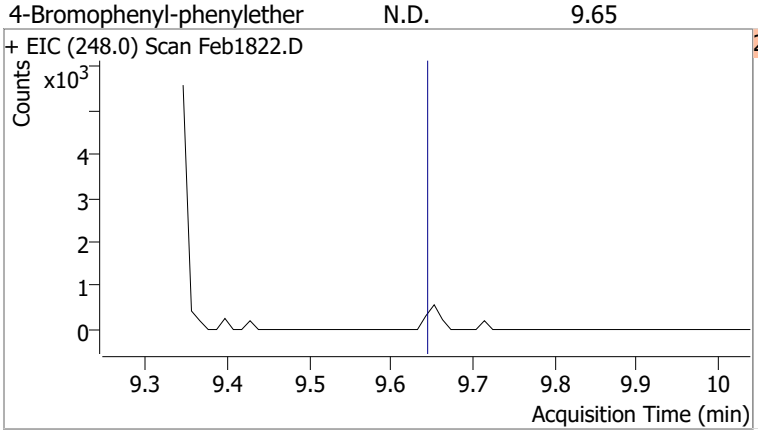
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	156.3387	9.34	0.00	304757	331.8	90.5	68.5	127.2

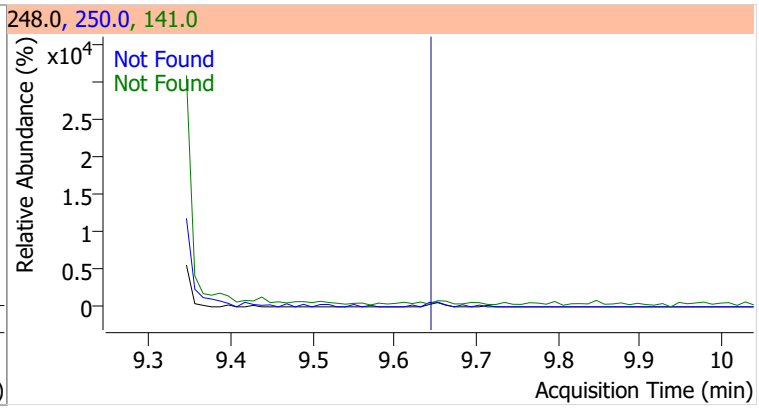




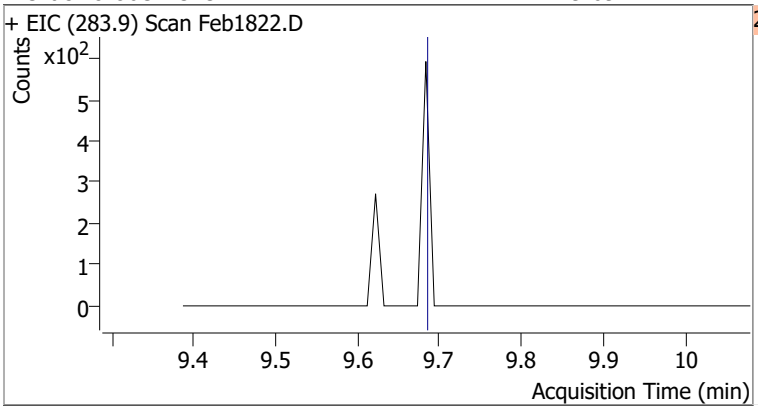


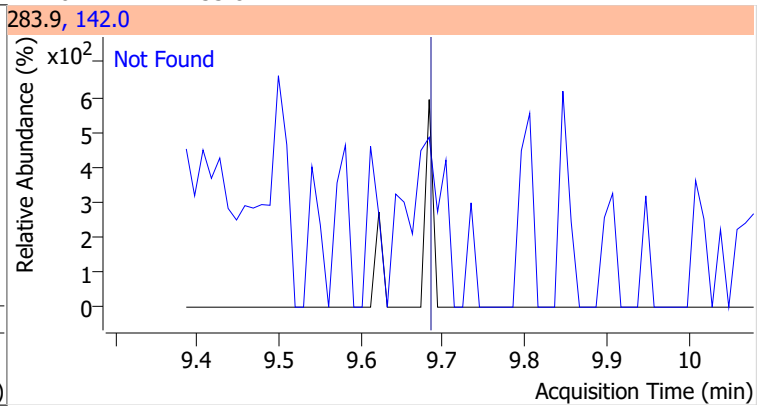
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



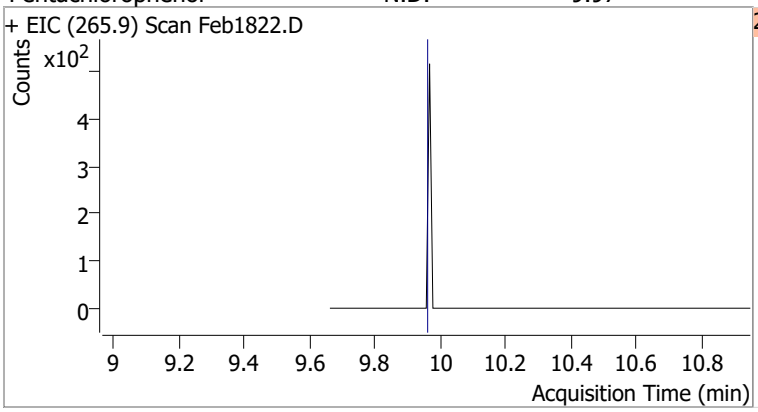


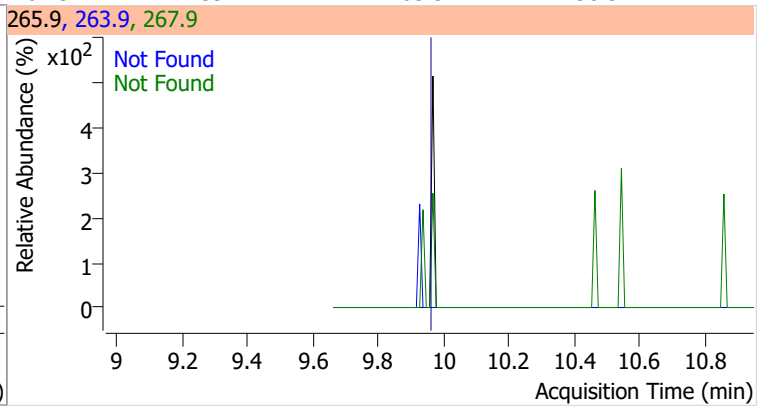
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



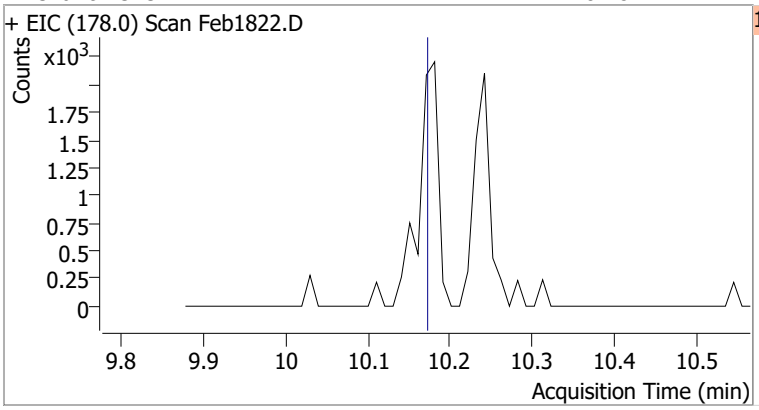


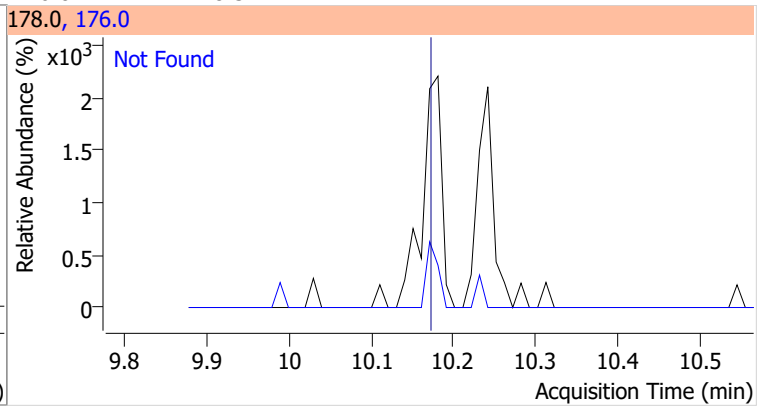
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



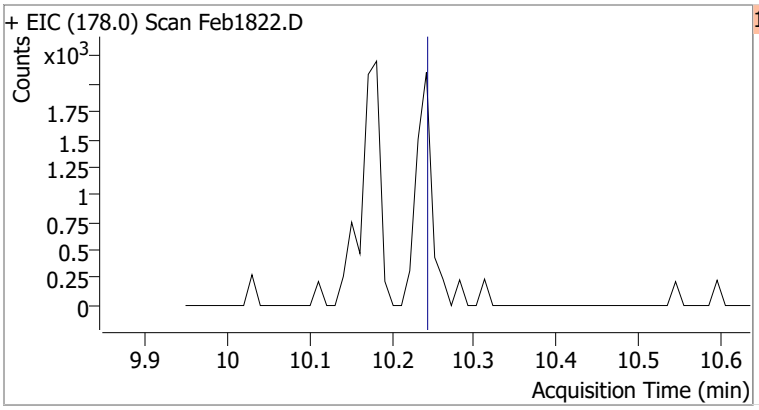


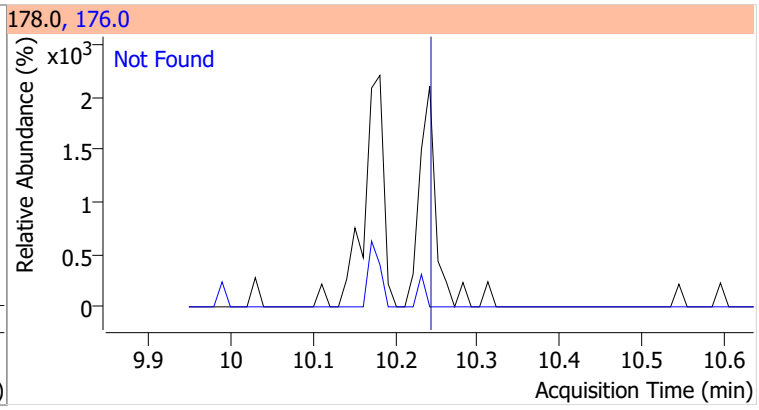
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



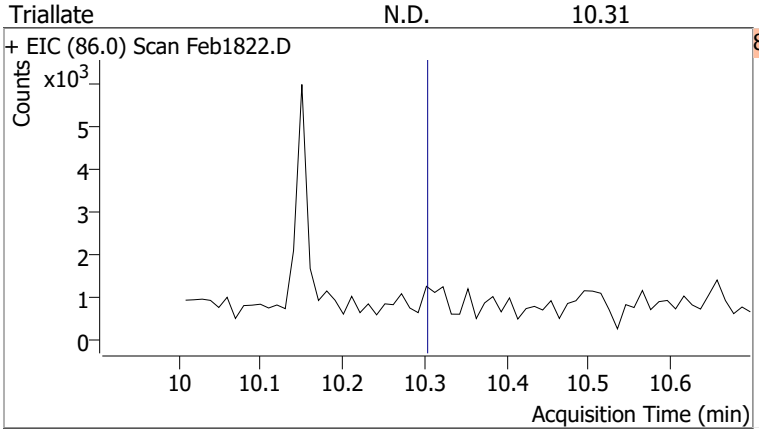


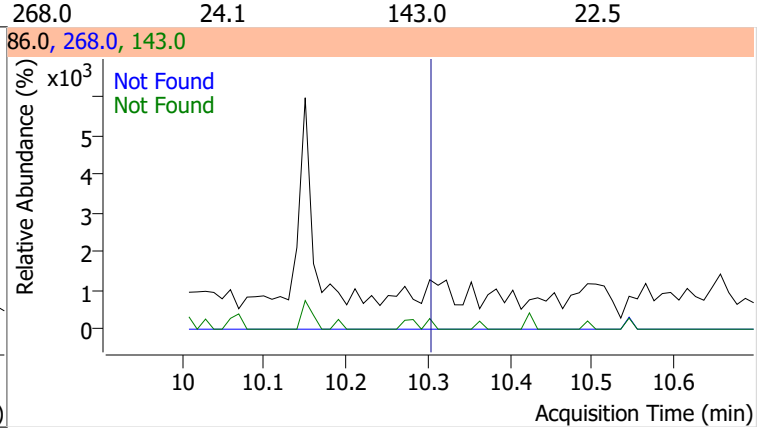
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



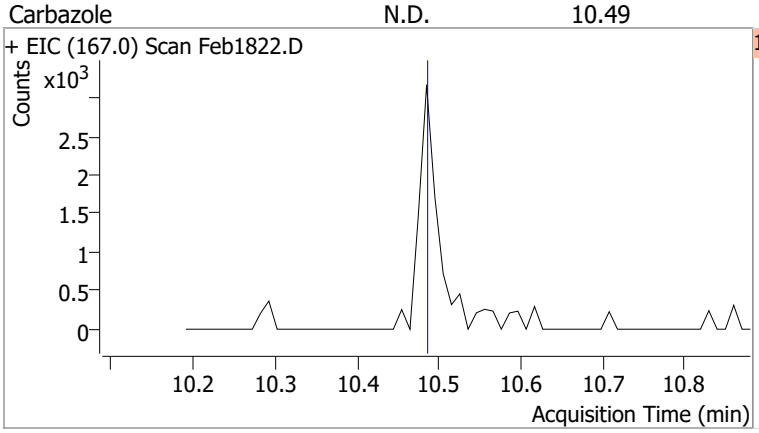


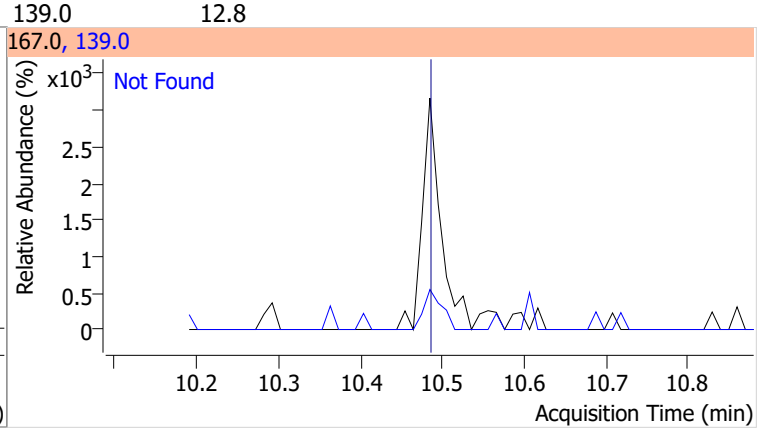
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



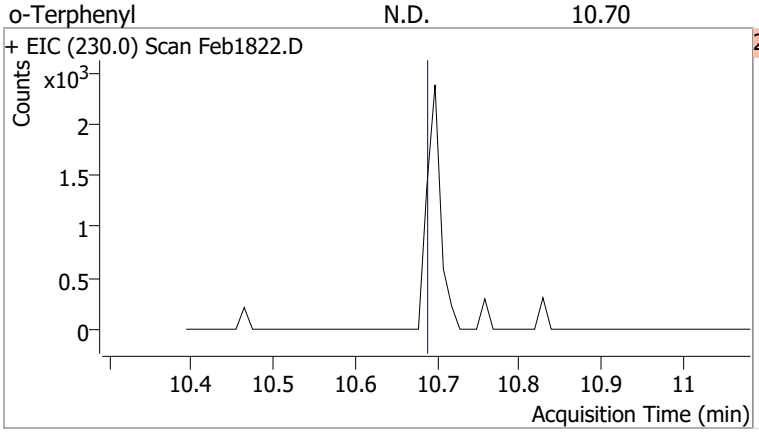


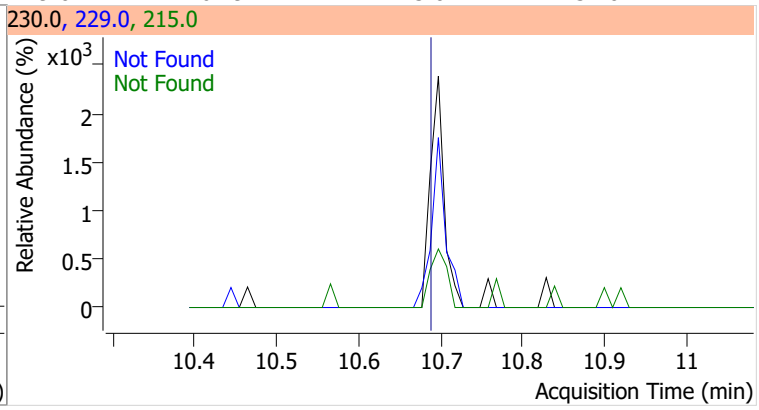
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



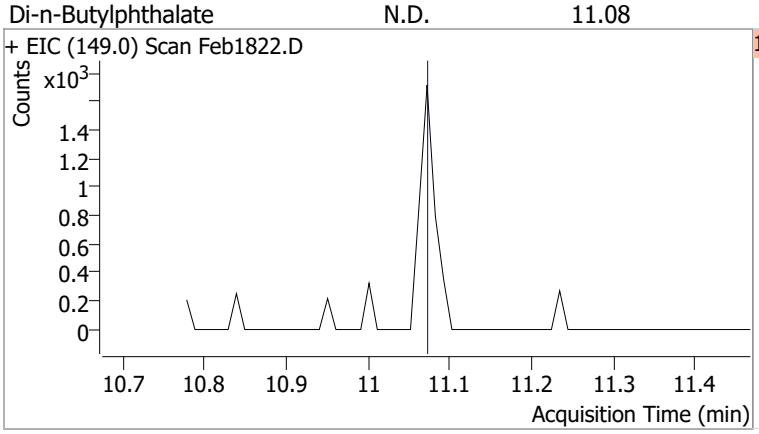


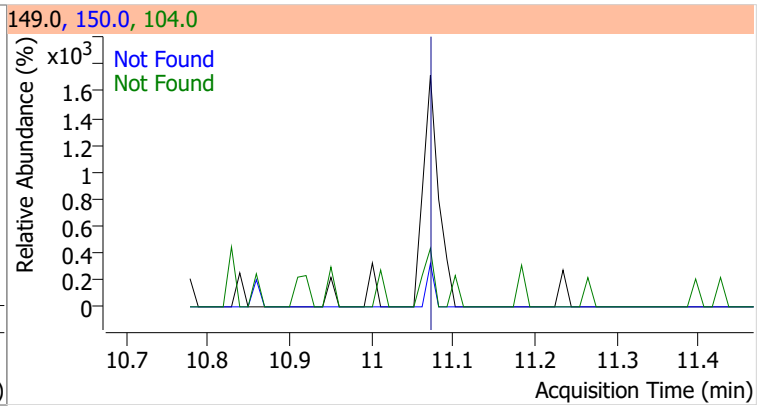
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



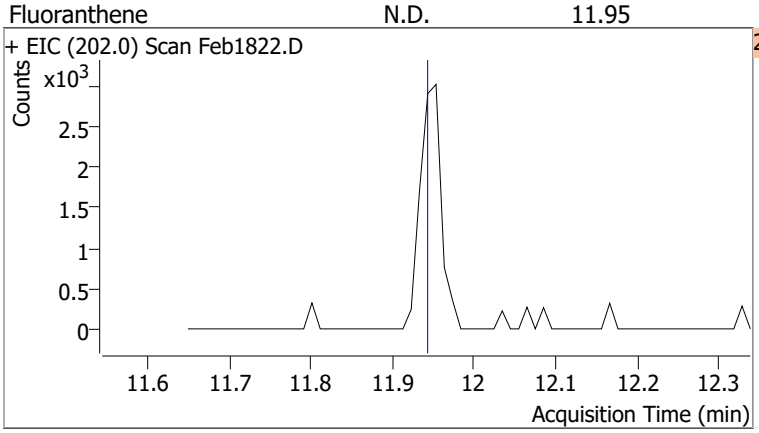


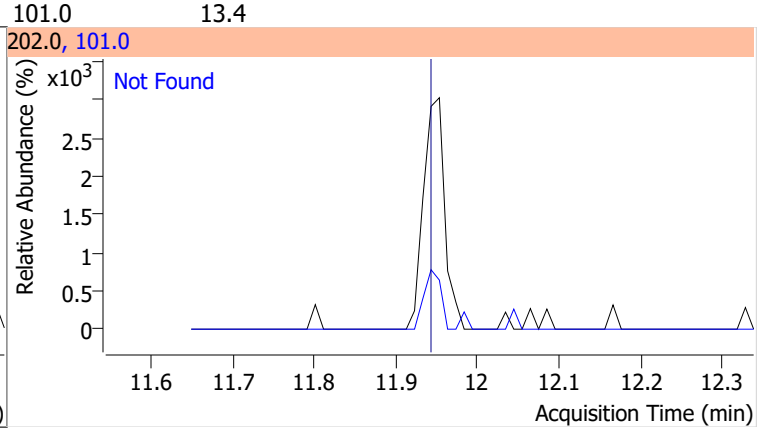
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



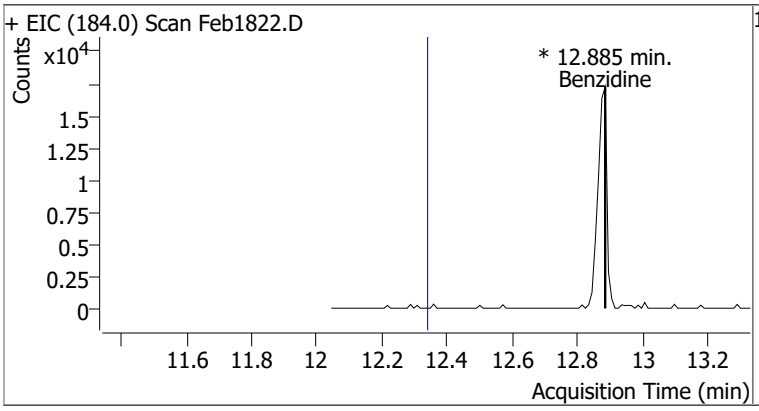


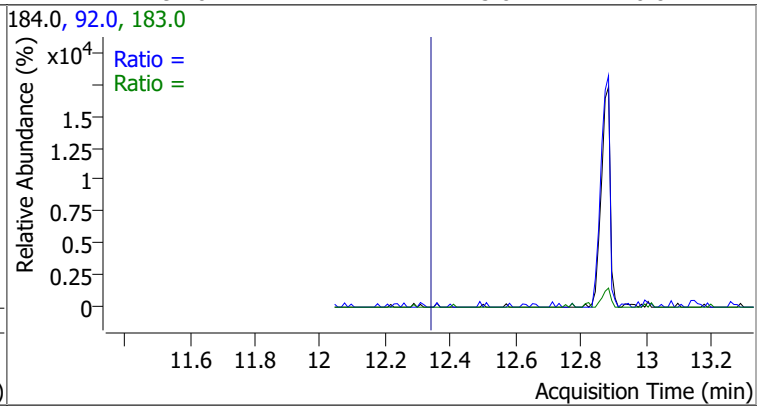
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



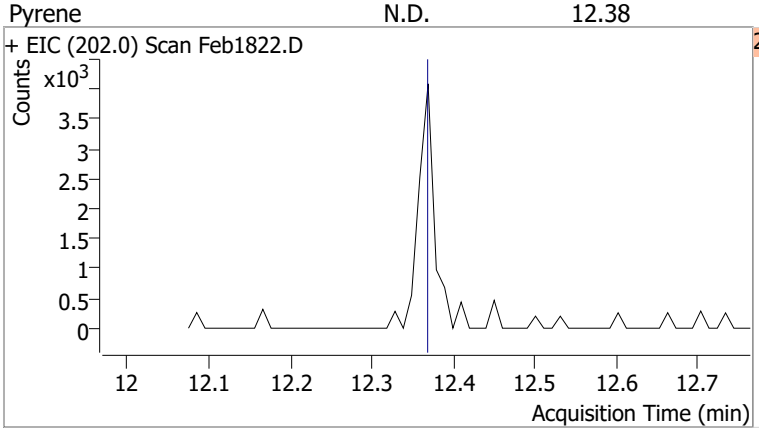


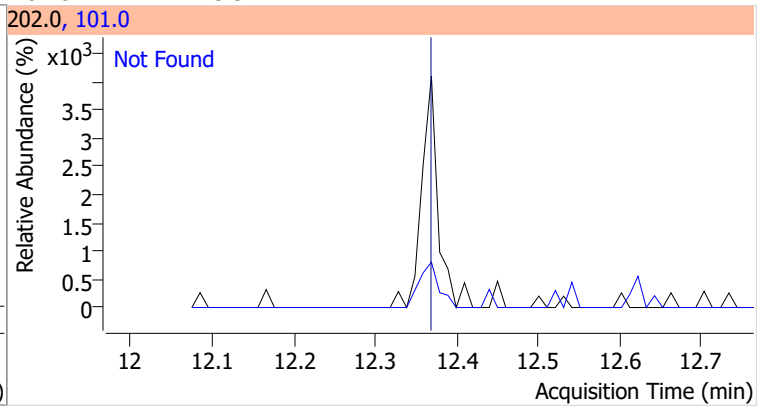
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



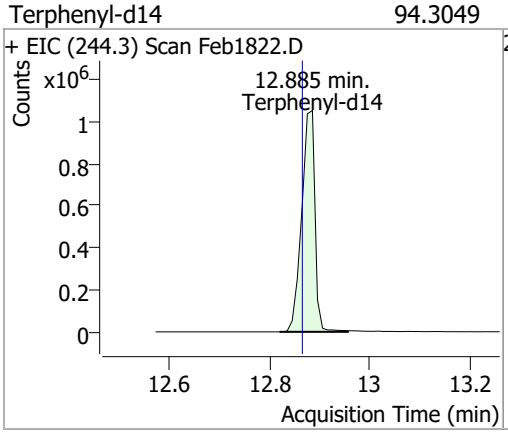


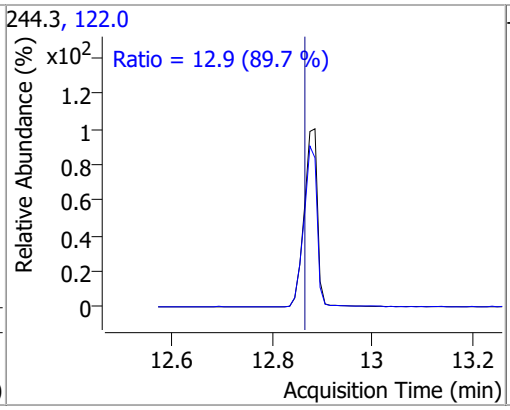
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

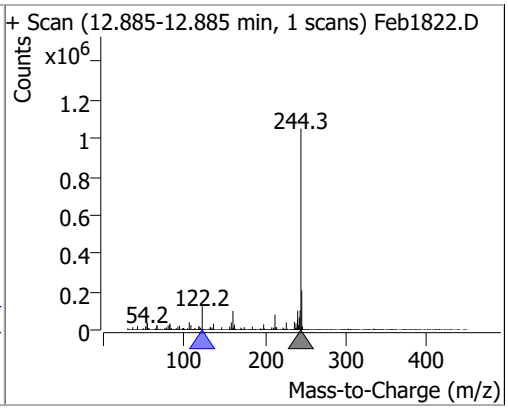




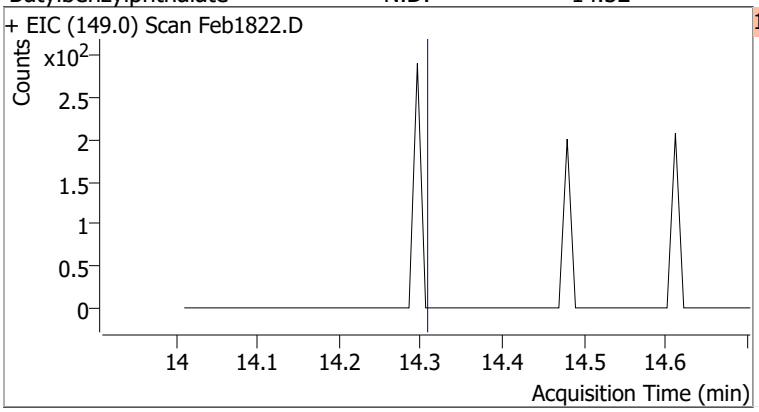
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	94.3049	12.89	0.01	1945517	122.0	12.9	10.1	18.7

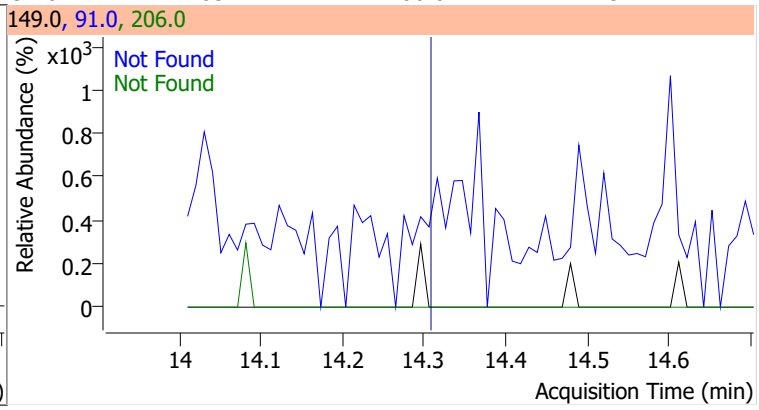




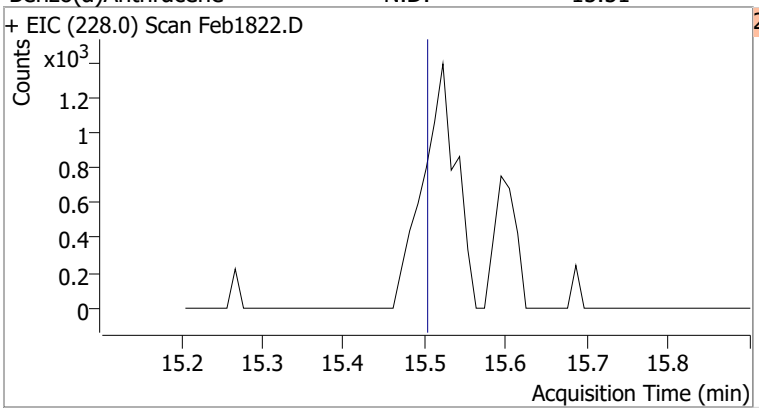


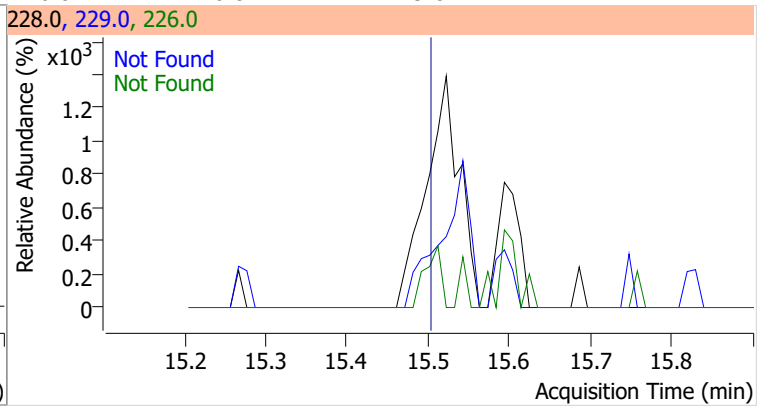
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



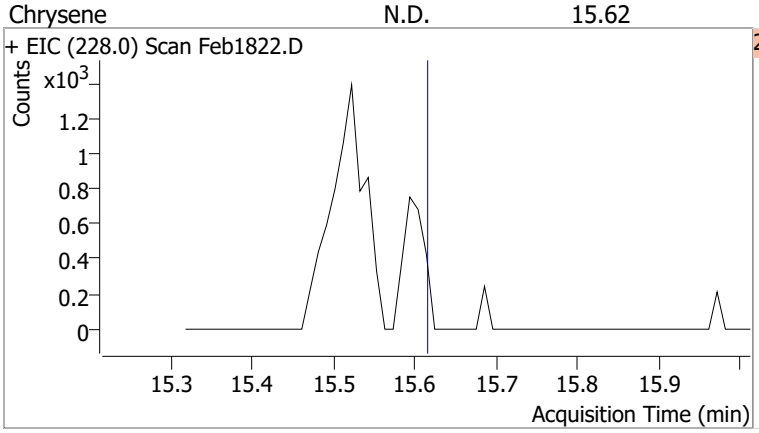


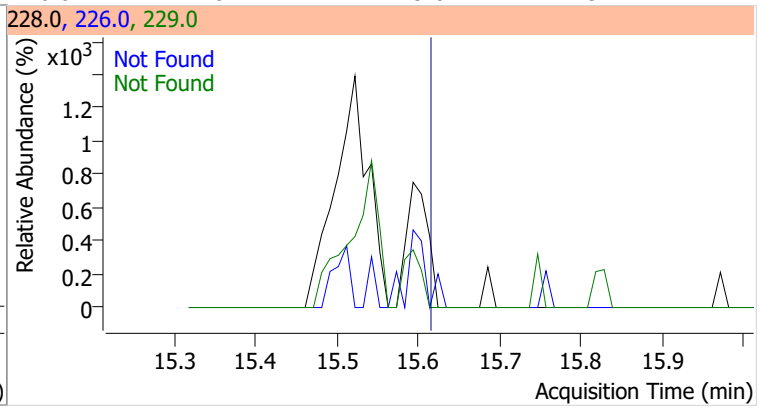
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



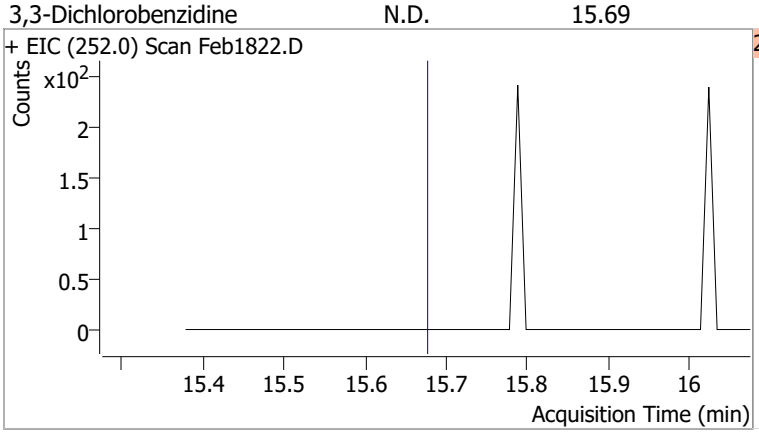


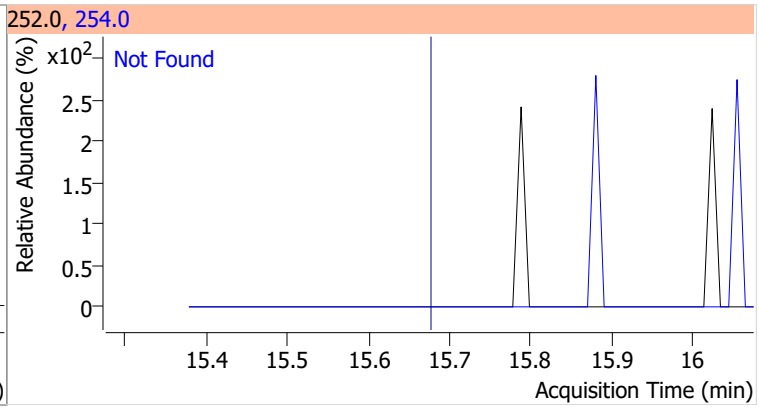
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



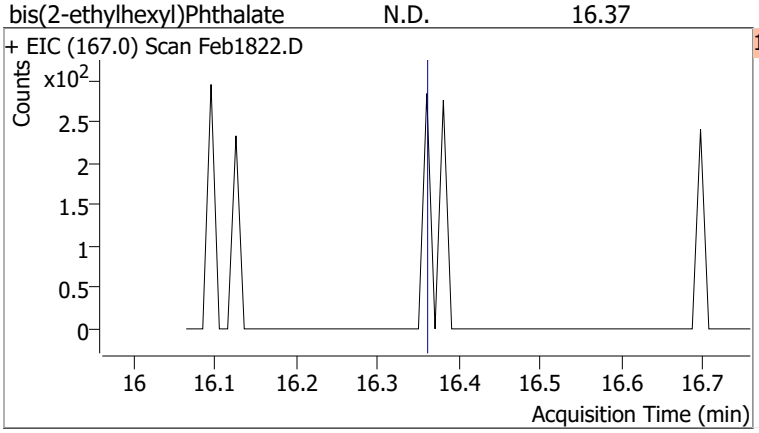


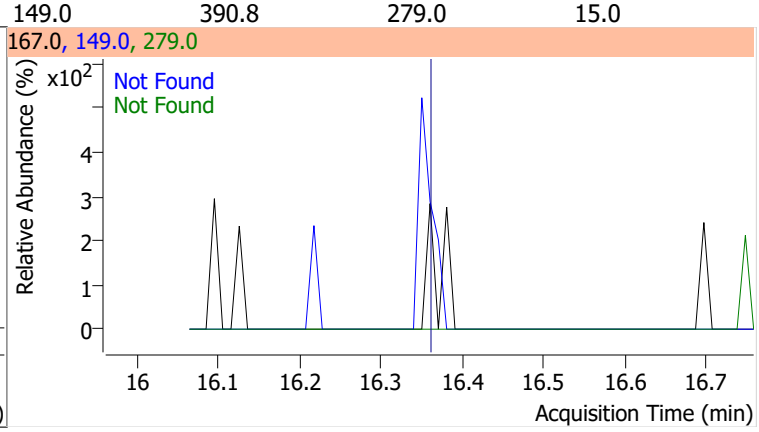
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



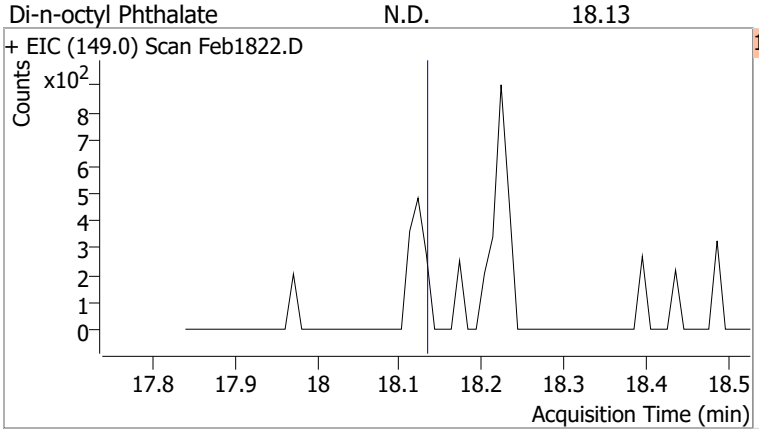


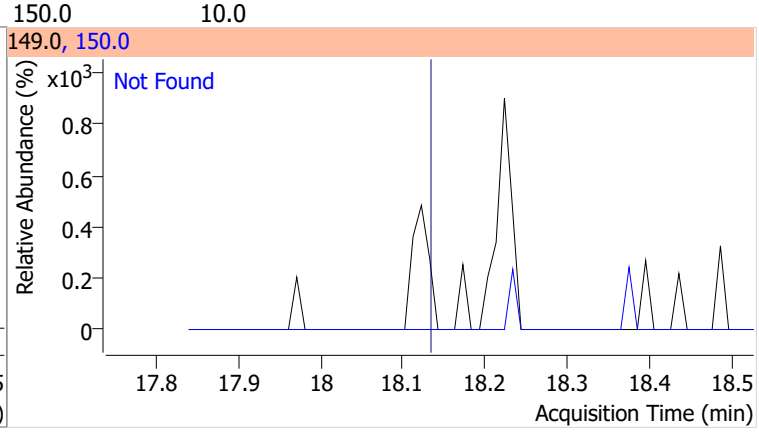
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



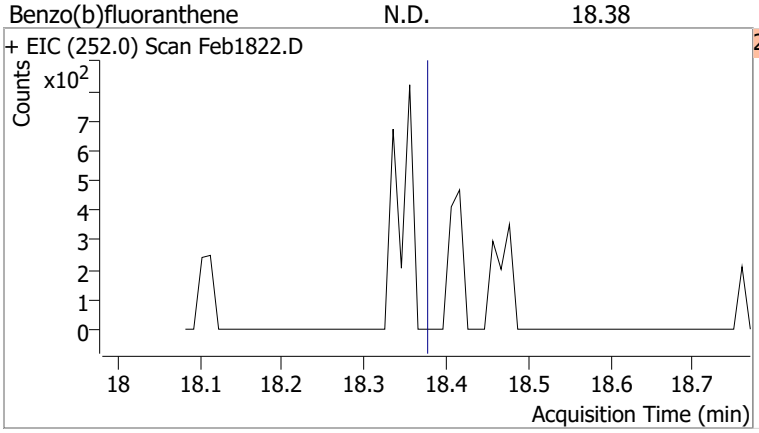


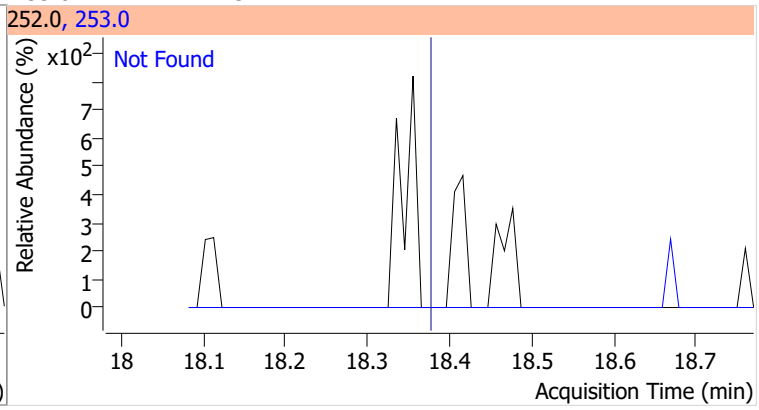
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



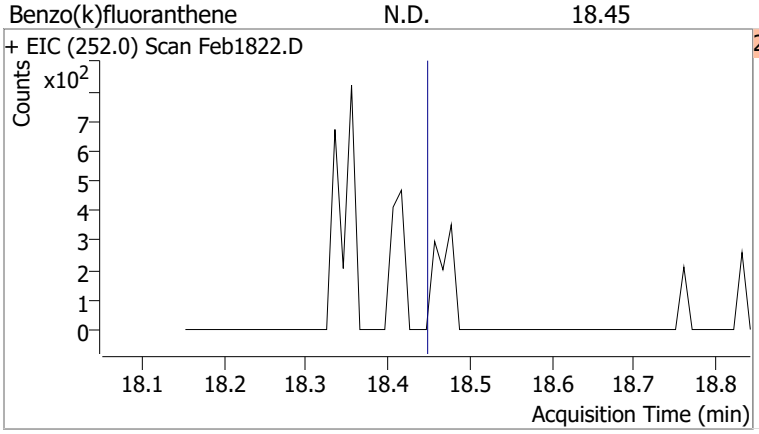


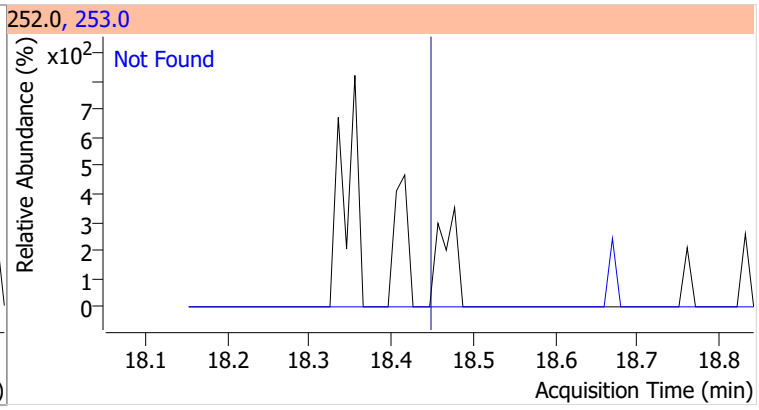
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



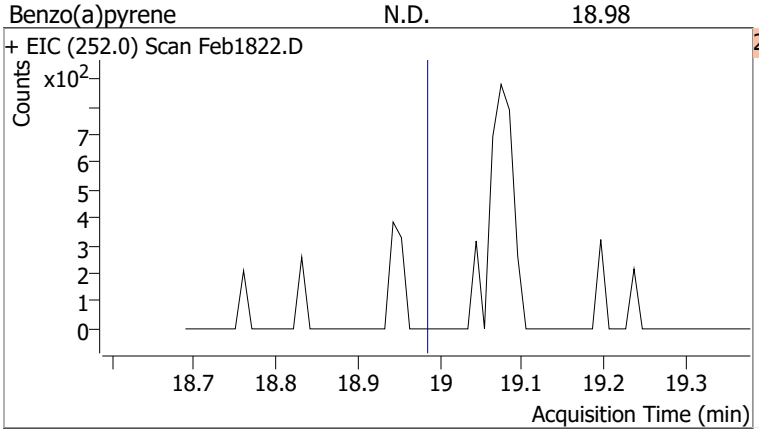


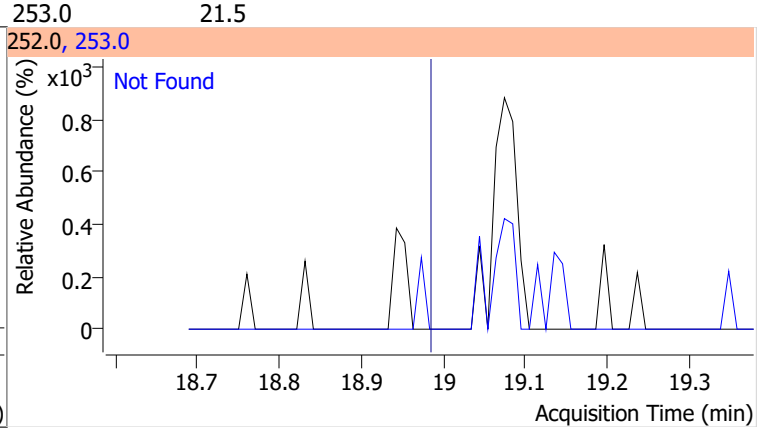
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



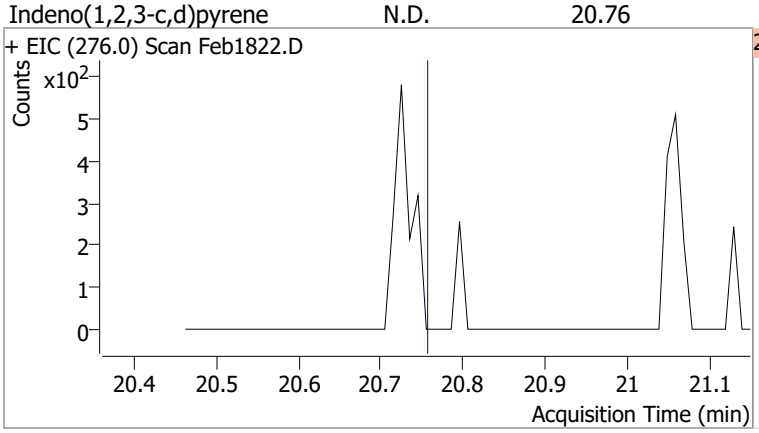


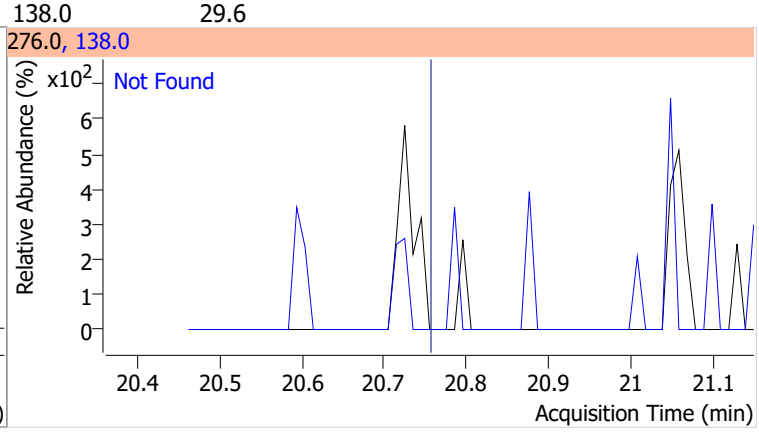
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



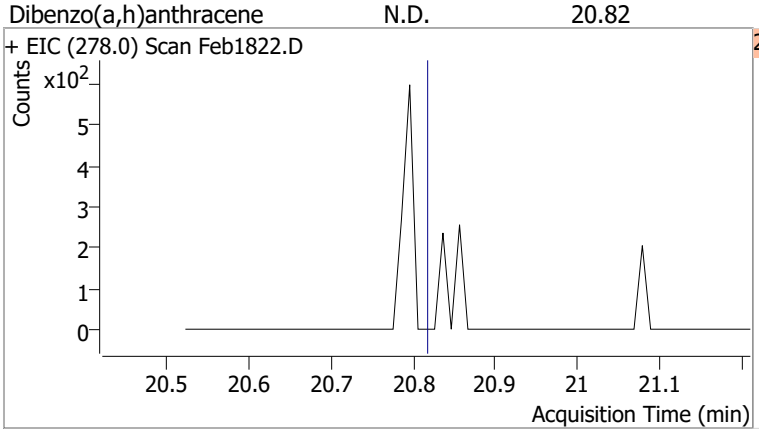


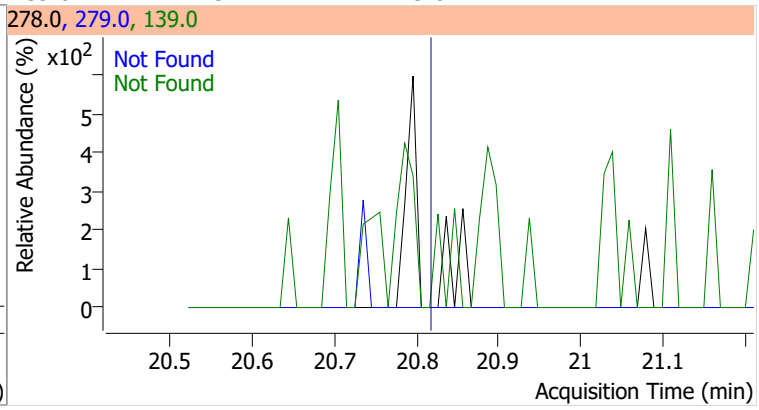
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



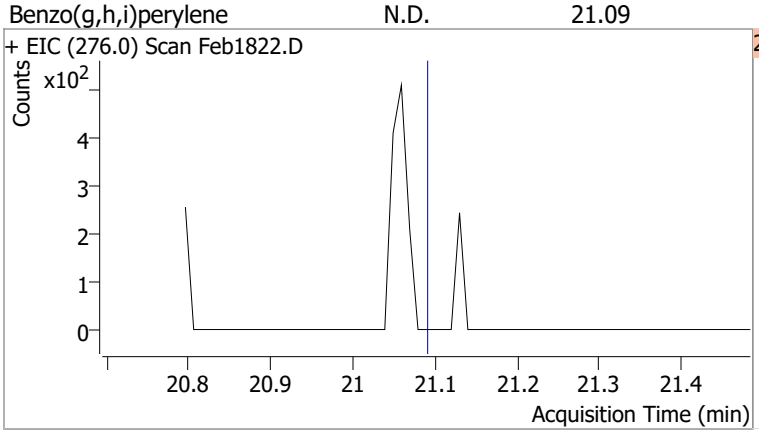


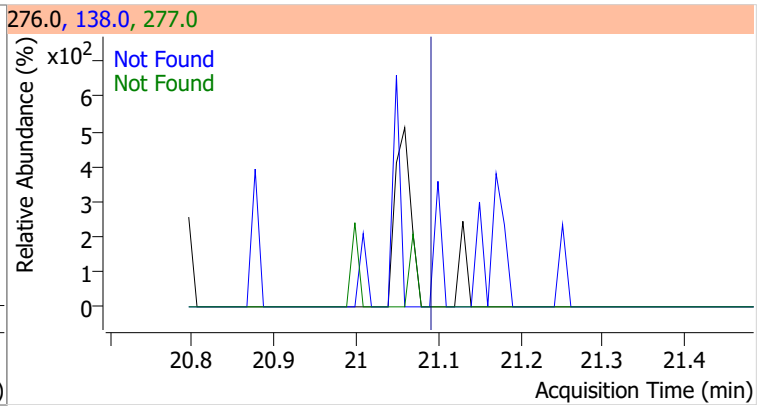
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





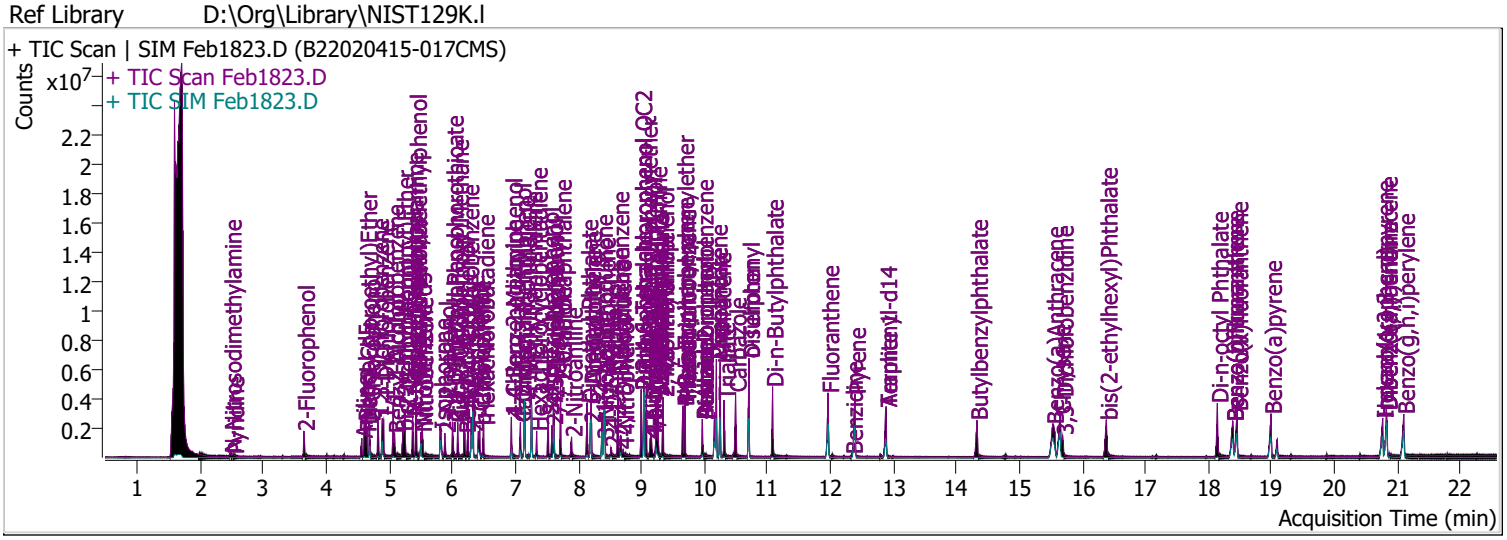
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1823.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 7:52:27 PM
Sample Name	B22020415-017CMS	Instrument	Instrument #1
Vial	23	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



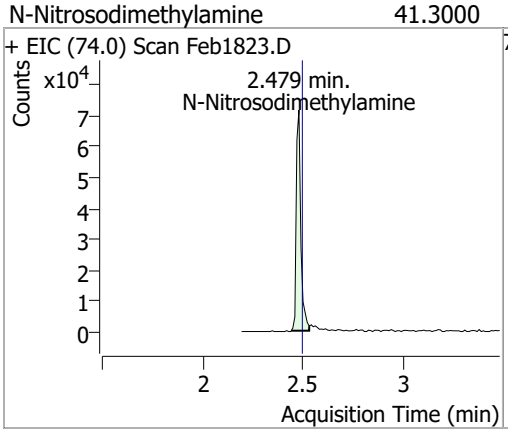
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	620174	65.2707	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 32.64%			
S Phenol-d5	4.603	99.0	928300	75.4135	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 37.71%			
S Nitrobenzene-d5	5.502	82.0	457918	67.0098	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 67.01%			
S 2-Fluorobiphenyl	7.605	172.0	1433935	74.6130	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 74.61%			
S 2,4,6-Tribromophenol	9.346	329.8	365804	180.4475	µg/L		0.010
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 90.22%			
S Terphenyl-d14	12.885	244.3	2024497	98.9855	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 98.99%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.479	74.0	112984	41.3000	µg/L		92
T Pyridine	2.520	79.0	137739	19.9132	µg/L		99
T Aniline	4.562	93.0	557222	31.7511	µg/L		97
T Phenol	4.623	94.0	537937	39.7329	µg/L		90
T bis(-2-Chloroethyl)Ether	4.634	63.0	626271	67.5152	µg/L		97
T 2-Chlorophenol	4.685	128.0	661033	60.0214	µg/L		99
T 1,3-Dichlorobenzene	4.817	146.0	778082	54.3915	µg/L		99
T 1,4-Dichlorobenzene	4.909	146.0	807431	55.7256	µg/L		98
T 1,2-Dichlorobenzene	5.063	146.0	799581	57.5480	µg/L	m	100
T Benzyl Alcohol	5.083	108.0	317983	59.9899	µg/L	m	98
T bis(2-chloroisopropyl)Ether	5.216	121.0	230223	61.9803	µg/L		99
T 2-Methylphenol	5.246	107.0	640512	67.1669	µg/L		95
T N-nitroso-Di-n-propylamine	5.369	70.0	578887	87.4632	µg/L		98
T 4Methylphenol/3Methylphenol	5.420	107.0	831924	63.7239	µg/L		97
T Hexachloroethane	5.420	117.0	225074	54.1510	µg/L		98

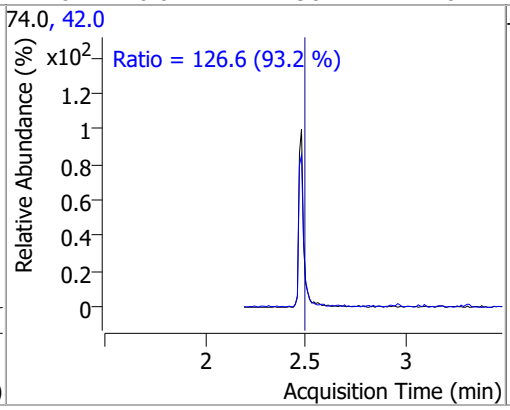
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.522	123.1	239057	68.6000	µg/L		98
T Isophorone	5.808	82.0	1248345	77.3431	µg/L		99
T 2-Nitrophenol	5.880	139.0	295471	81.2303	µg/L		97
T 2,4-Dimethylphenol	6.003	122.0	529818	70.1150	µg/L		99
T bis(-2-Chloroethoxy)Methane	6.085	93.0	694597	73.9926	µg/L		98
T 2,4-Dichlorophenol	6.187	162.0	526530	73.3411	µg/L		96
T Benzoic Acid	6.198	105.0	104440	31.7123	µg/L	#	86
T 1,2,4-Trichlorobenzene	6.249	180.0	580133	66.7328	µg/L		100
T Naphthalene	6.331	128.0	1954869	76.0449	µg/L		99
T 4-Chlorophenol	6.413	130.0	169807	63.0899	µg/L		86
T p-Chloroaniline	6.434	127.0	569012	56.1898	µg/L		90
T Hexachlorobutadiene	6.496	224.9	279479	62.6887	µg/L		98
T 4-Chloro-2-Methylphenol	6.937	107.0	474156	70.8958	µg/L		98
T 4-Chloro-3-Methylphenol	7.081	107.0	582254	83.7140	µg/L		99
T 2-Methylnaphthalene	7.143	141.0	1153139	79.3988	µg/L		99
T 1-Methylnaphthalene	7.256	141.0	1022455	72.2254	µg/L		98
T Hexachlorocyclopentadiene	7.338	236.9	166661	62.3380	µg/L		97
T 2,4,6-Trichlorophenol	7.523	196.0	418844	87.9881	µg/L		98
T 2,4,5-Trichlorophenol	7.584	196.0	437278	82.4166	µg/L	m	99
T 2-Chloronaphthalene	7.718	162.0	1345867	83.3833	µg/L		98
T 2-Nitroaniline	7.892	65.0	256217	88.5282	µg/L		94
T Dimethyl Phthalate	8.139	163.0	1697417	102.3679	µg/L		100
T 2,6-Dinitrotoluene	8.190	165.0	187583	84.0003	µg/L		92
T Acenaphthylene	8.200	152.1	2021184	78.3103	µg/L		99
T 3-Nitroaniline	8.394	138.0	183504	72.9638	µg/L		93
T Acenaphthene	8.415	154.0	1246477	84.4732	µg/L		99
T 2,4-Dinitrophenol	8.517	184.0	110981	94.2882	µg/L		99
T Dibenzofuran	8.630	168.0	2054456	85.1894	µg/L		96
T 2,4-Dinitrotoluene	8.671	165.0	280137	97.4598	µg/L		94
T 4-Nitrophenol	8.711	109.0	107273	41.6721	µg/L		93
T Diethylphthalate	8.998	149.0	1683338	97.9952	µg/L		100
T Fluorene	9.039	166.0	1612148	83.0893	µg/L		98
T 4-Chlorophenyl-phenylether	9.080	204.0	864840	97.9860	µg/L		99
T 4-Nitroaniline	9.141	138.0	256794	89.3712	µg/L		97
T 4,6-Dinitro-2-methylphenol	9.162	198.0	162211	91.1597	µg/L		100
T N-nitrosodiphenylamine	9.233	169.0	1258314	93.7845	µg/L		99
T Azobenzene	9.264	77.0	1394027	78.9061	µg/L		92
T 4-Bromophenyl-phenylether	9.663	248.0	465172	90.6294	µg/L		100
T Hexachlorobenzene	9.694	283.9	445774	86.6372	µg/L		84
T Pentachlorophenol	9.968	265.9	258808	102.1712	µg/L		91
T Phenanthrene	10.191	178.0	2476787	89.7730	µg/L		100
T Anthracene	10.252	178.0	2424090	92.4033	µg/L	m	98
T Triallate	10.313	86.0	594337	92.9791	µg/L		99
T Carbazole	10.495	167.0	2440073	91.5270	µg/L		98
T o-Terphenyl	10.708	230.0	1341460	91.1958	µg/L		99
T Di-n-Butylphthalate	11.082	149.0	2672327	101.6488	µg/L		99
T Fluoranthene	11.964	202.0	2620857	93.9736	µg/L		99
T Benzidine	12.338	184.0	145874	14.8544	µg/L		99
T Pyrene	12.389	202.0	2790299	91.9585	µg/L		99
T Butylbenzylphthalate	14.326	149.0	958563	104.3801	µg/L		97
T Benzo(a)Anthracene	15.532	228.0	2309881	102.5673	µg/L		99
T Chrysene	15.645	228.0	2416068	96.5811	µg/L		98
T 3,3-Dichlorobenzidine	15.686	252.0	606689	76.4222	µg/L		99
T bis(2-ethylhexyl)Phthalate	16.380	167.0	347027	108.0315	µg/L		94
T Di-n-octyl Phthalate	18.143	149.0	2259698	100.6404	µg/L		99

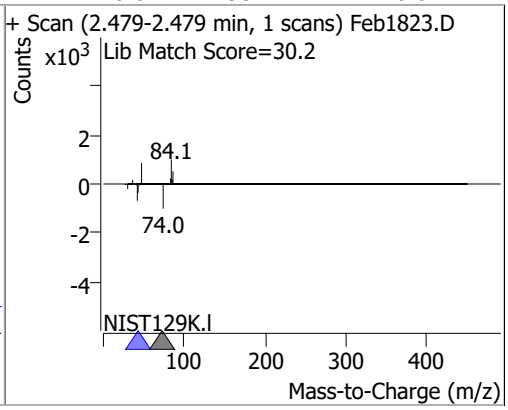
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.386	252.0	2187967	94.7083	µg/L	100
T Benzo(k)fluoranthene	18.457	252.0	2091061	85.3313	µg/L	98
T Benzo(a)pyrene	18.993	252.0	1928088	87.4435	µg/L	97
T Indeno(1,2,3-c,d)pyrene	20.765	276.0	1636496	88.5361	µg/L	97
T Dibenzo(a,h)anthracene	20.826	278.0	1980219	98.3189	µg/L	98
T Benzo(g,h,i)perylene	21.099	276.0	1946027	91.2970	µg/L	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

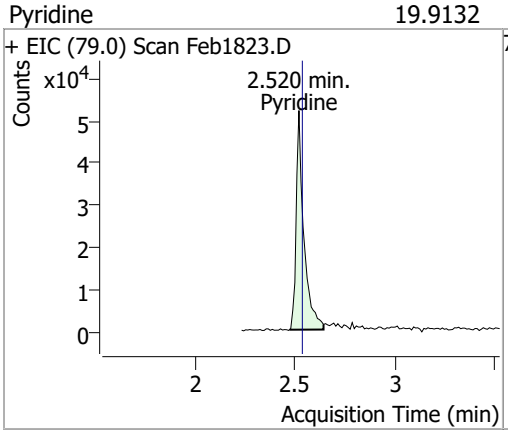
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	41.3000	2.48	-0.01	112984	42.0	126.6	95.1	176.6

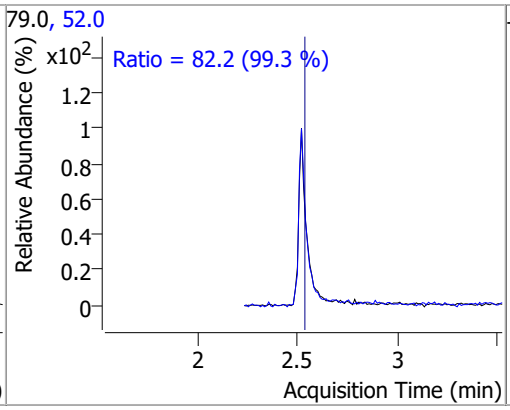


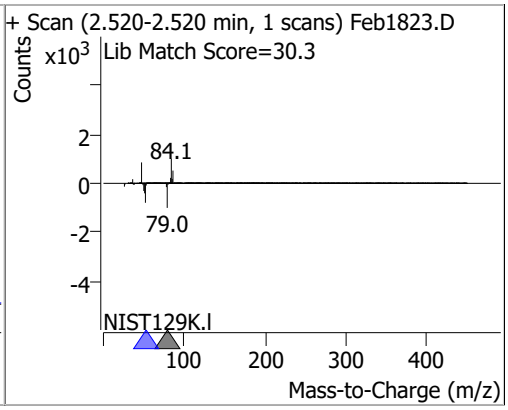




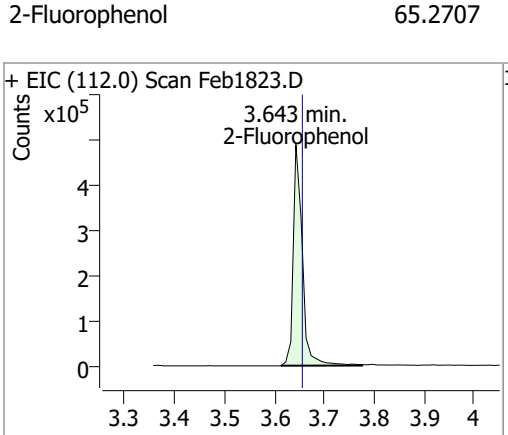
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	19.9132	2.52	-0.01	137739	52.0	82.2	57.9	107.6

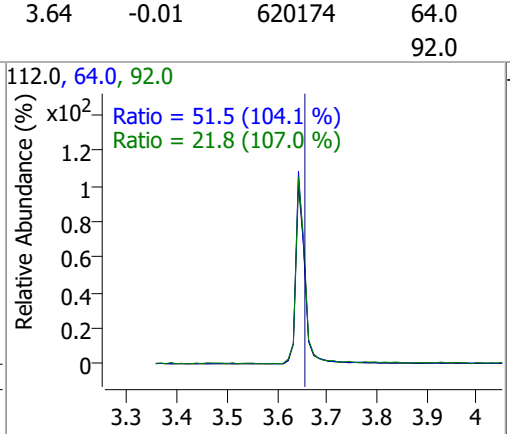


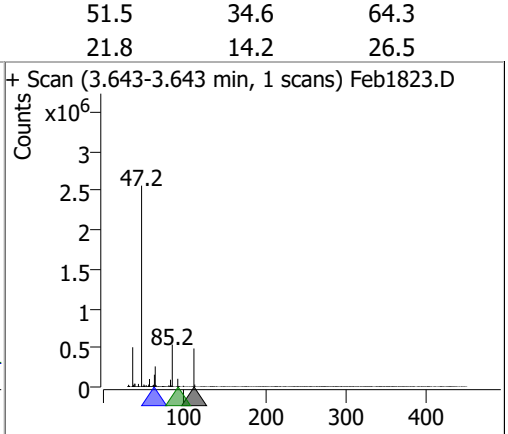




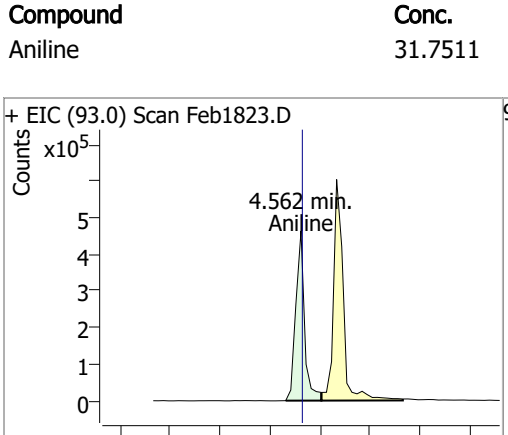
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	65.2707	3.64	-0.01	620174	64.0	51.5	34.6	64.3
					92.0	21.8	14.2	26.5

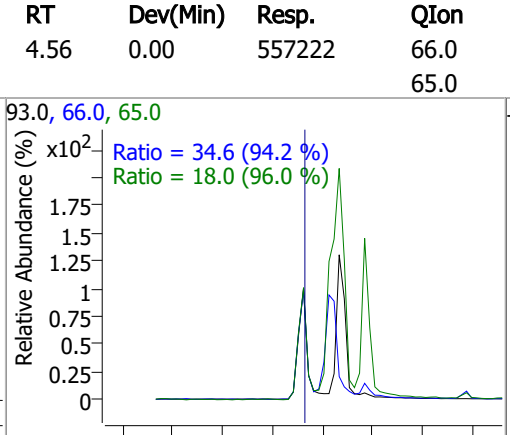


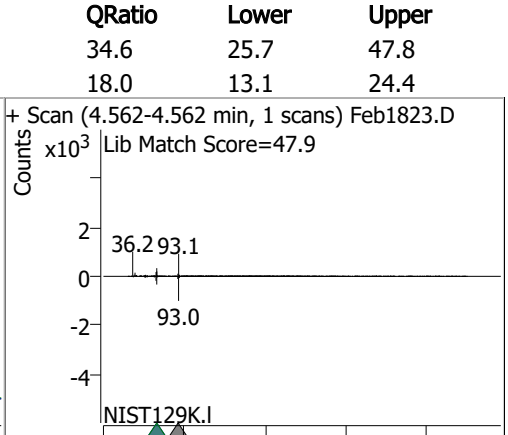




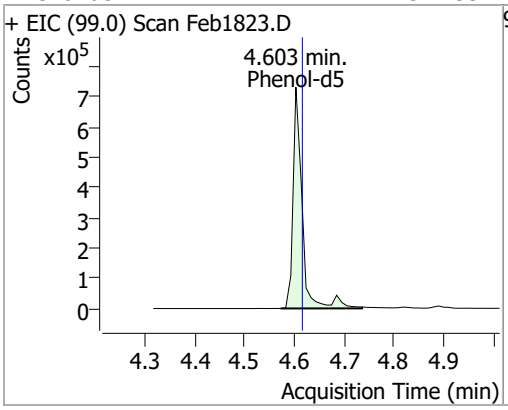
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	31.7511	4.56	0.00	557222	66.0	34.6	25.7	47.8
					65.0	18.0	13.1	24.4

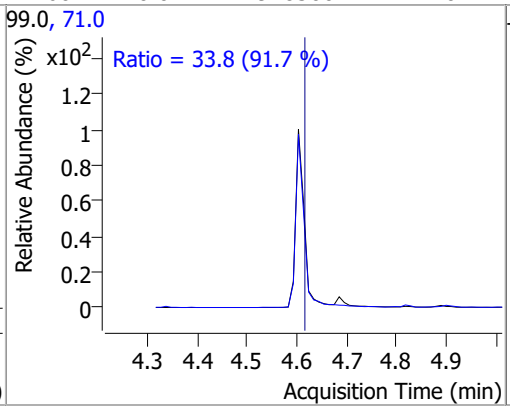


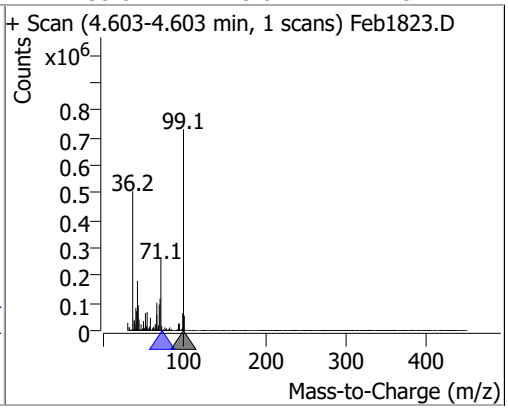




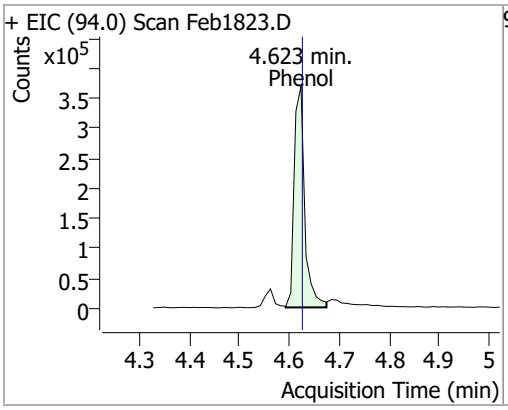
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	75.4135	4.60	-0.01	928300	71.0	33.8	25.8	47.9

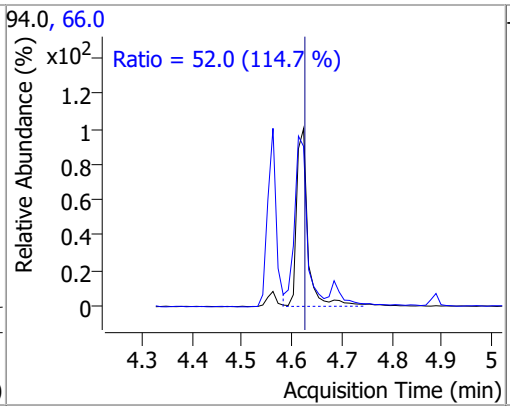


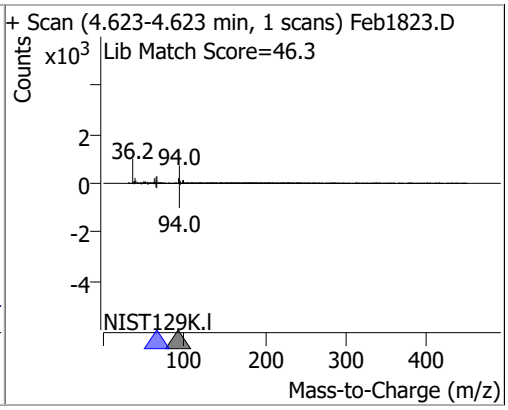




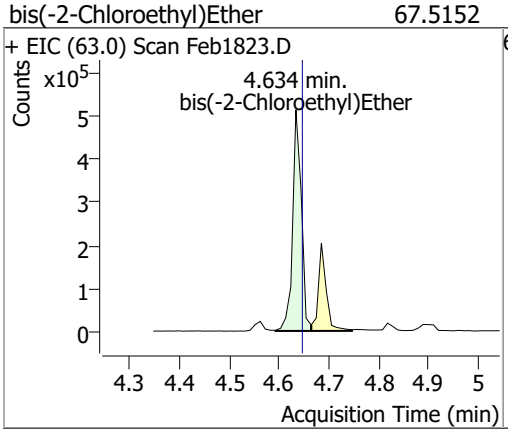
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	39.7329	4.62	0.00	537937	66.0	52.0	31.7	58.9

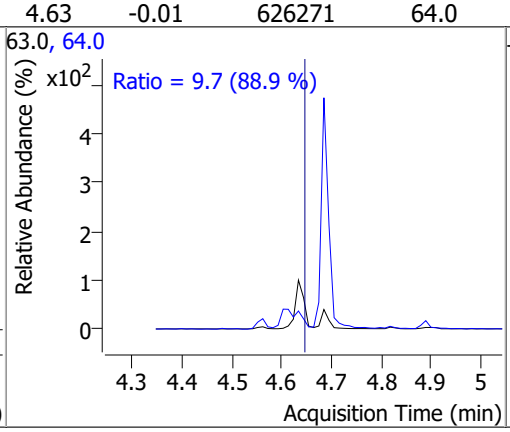


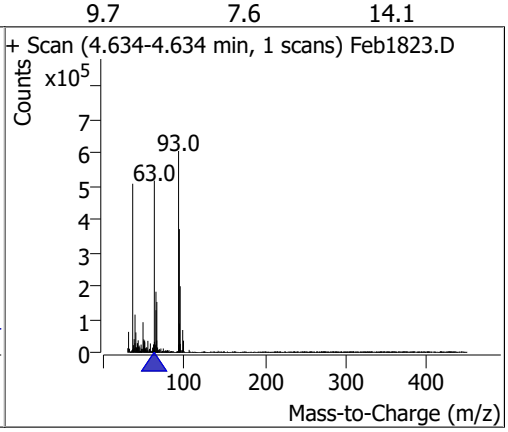




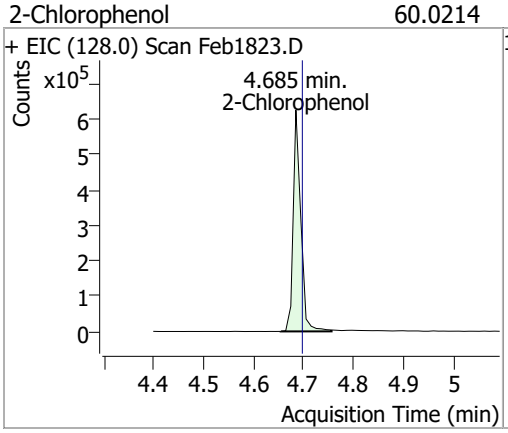
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	67.5152	4.63	-0.01	626271	64.0	9.7	7.6	14.1

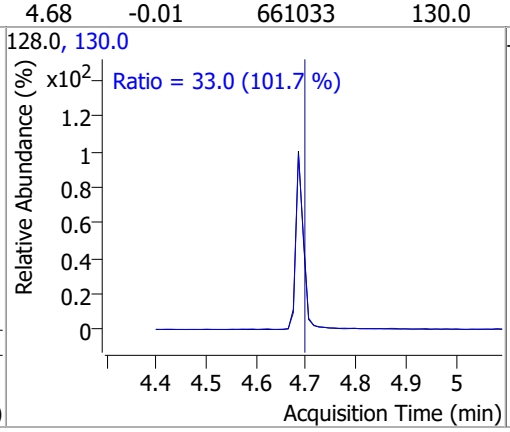


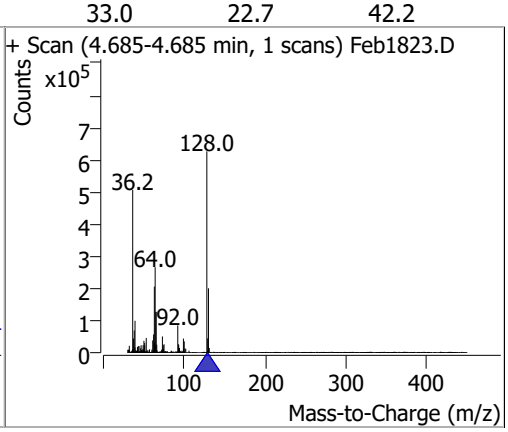




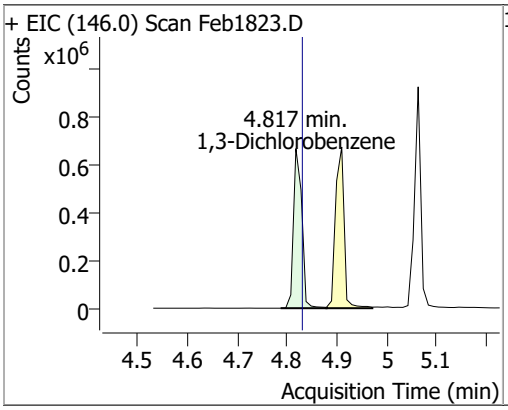
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	60.0214	4.68	-0.01	661033	130.0	33.0	22.7	42.2

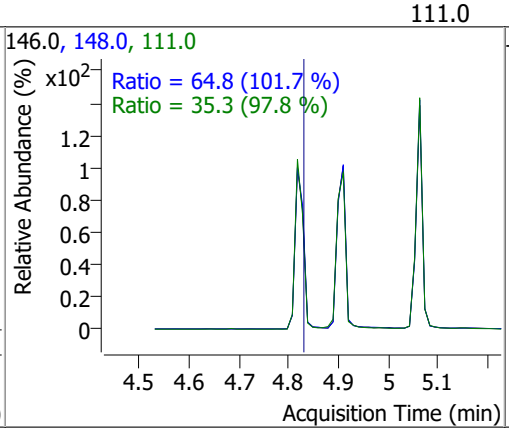


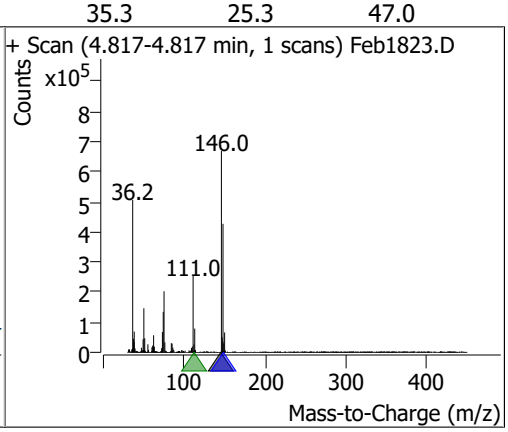




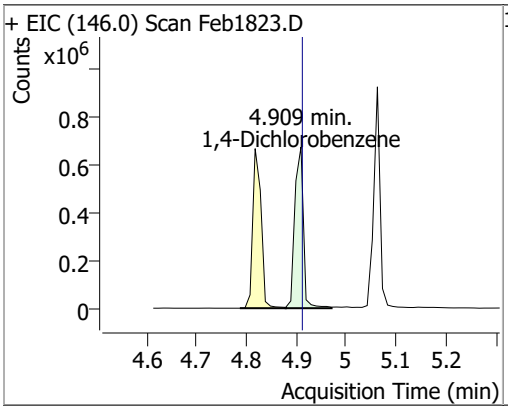
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	54.3915	4.82	-0.01	778082	148.0	64.8	44.6	82.8
					111.0	35.3	25.3	47.0

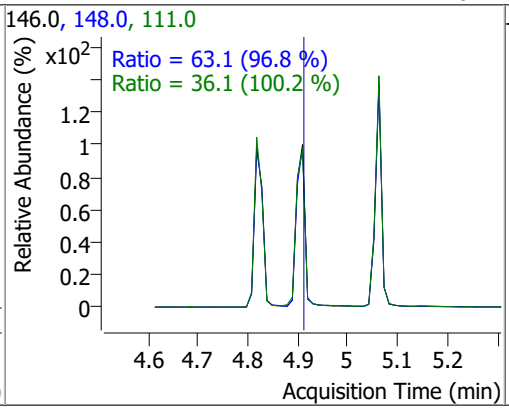


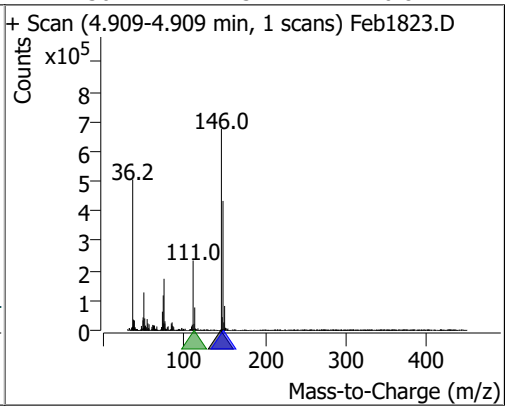




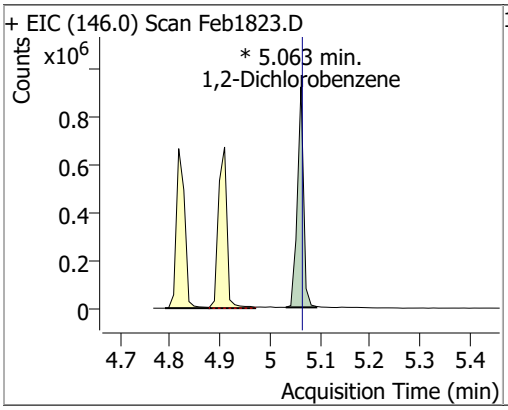
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	55.7256	4.91	0.00	807431	148.0	63.1	45.6	84.8
					111.0	36.1	25.2	46.8

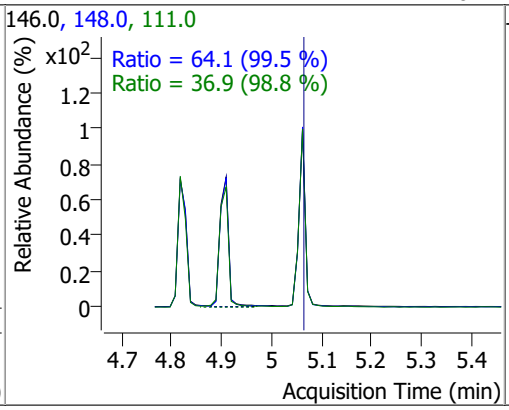


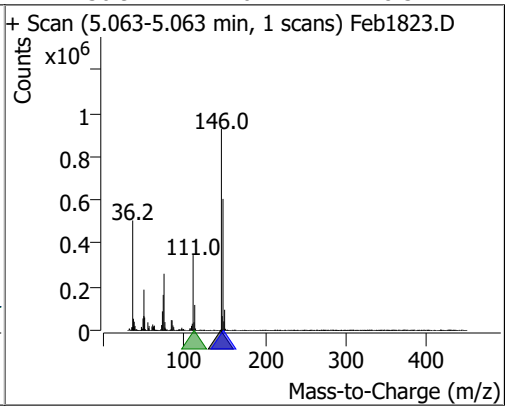




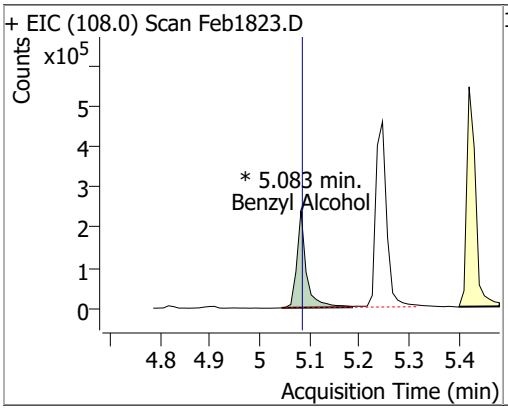
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	57.5480	5.06	0.00	799581 (m)	148.0	64.1	45.1	83.8
					111.0	36.9	26.1	48.5

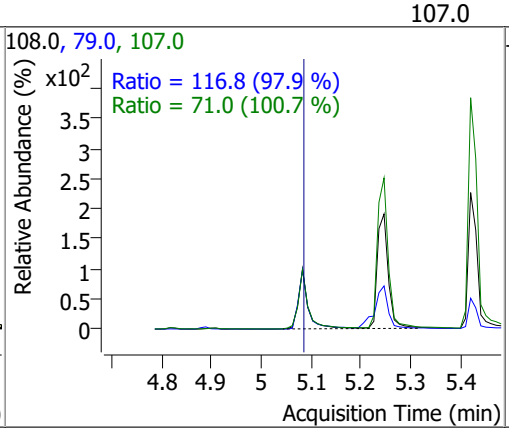


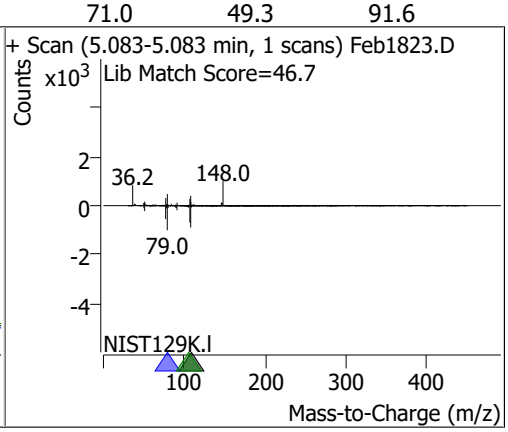




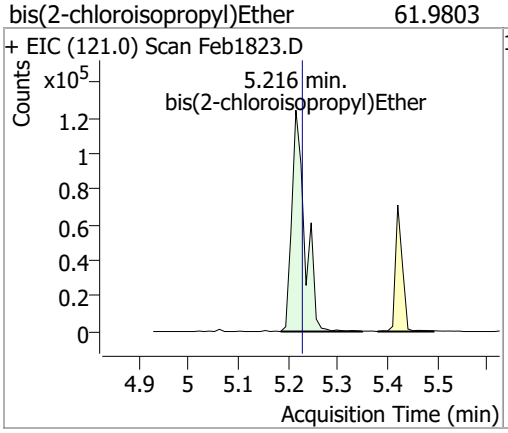
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	59.9899	5.08	0.00	317983 (m)	79.0	116.8	83.5	155.1
					107.0	71.0	49.3	91.6

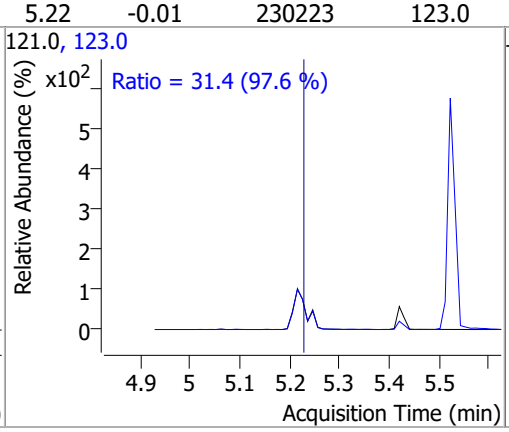


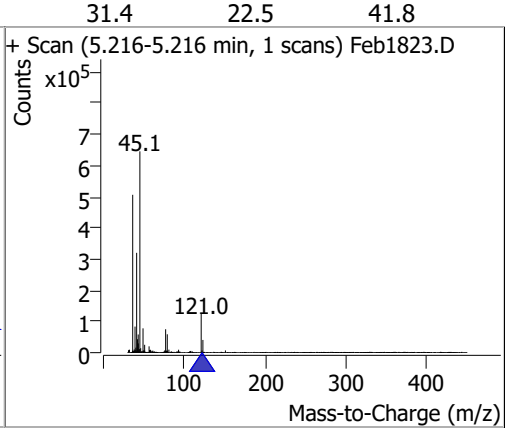




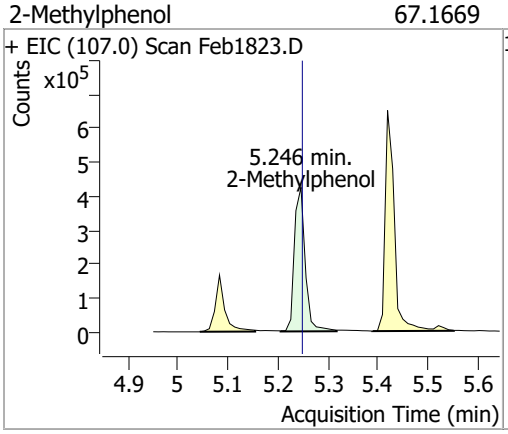
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	61.9803	5.22	-0.01	230223	123.0	31.4	22.5	41.8

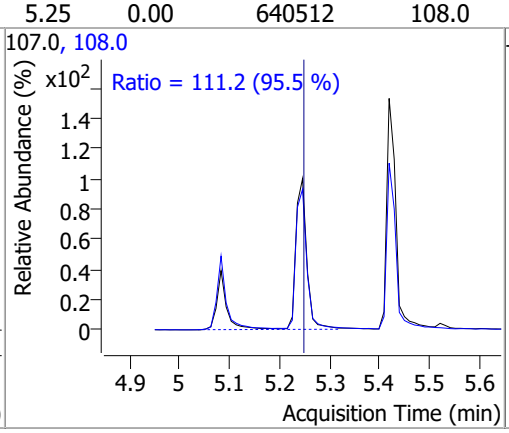


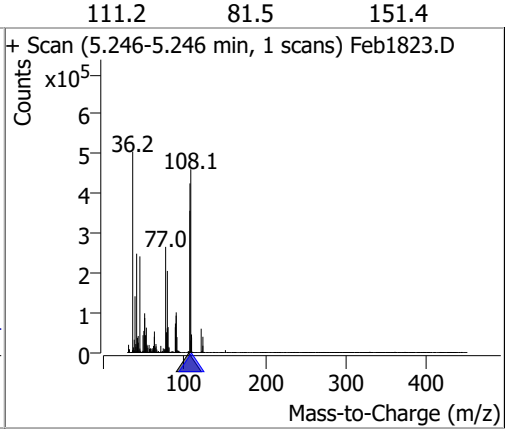




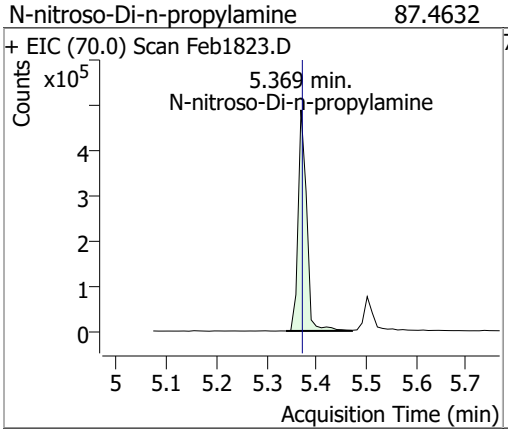
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	67.1669	5.25	0.00	640512	108.0	111.2	81.5	151.4

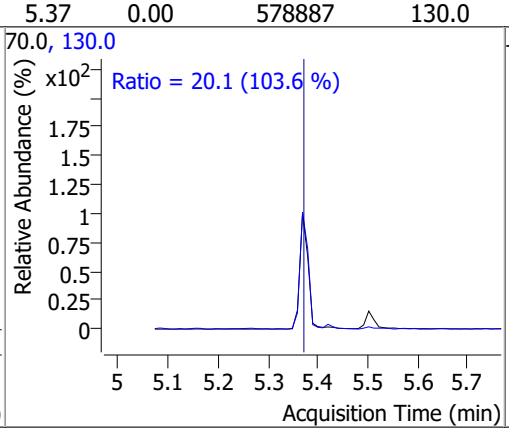


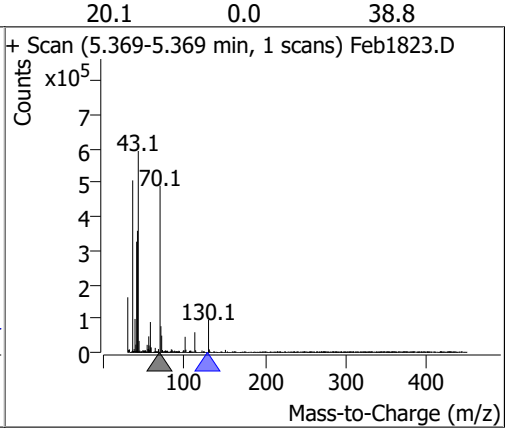




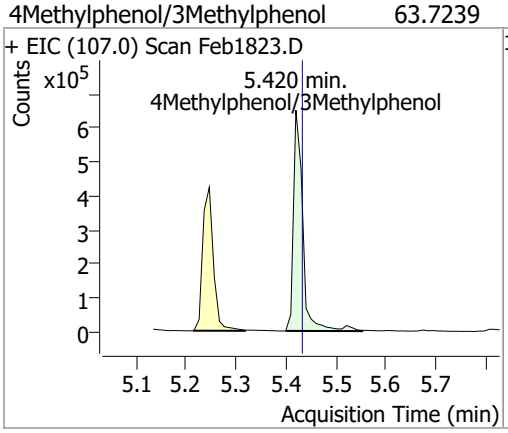
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	87.4632	5.37	0.00	578887	130.0	20.1	0.0	38.8

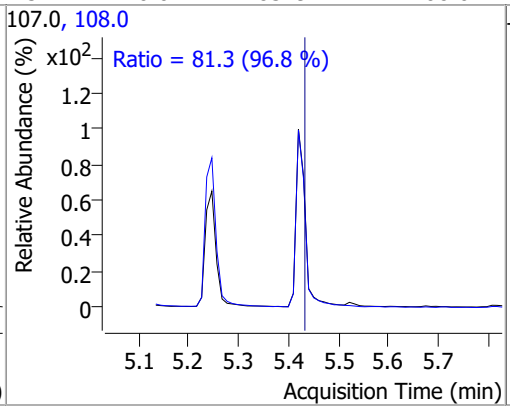


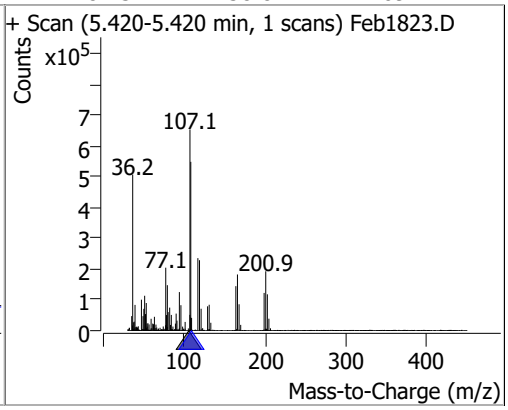




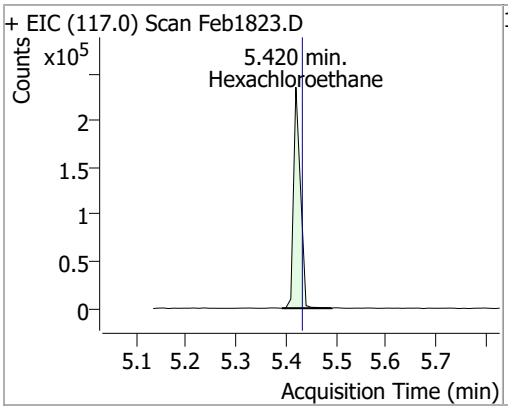
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	63.7239	5.42	-0.01	831924	108.0	81.3	58.8	109.1

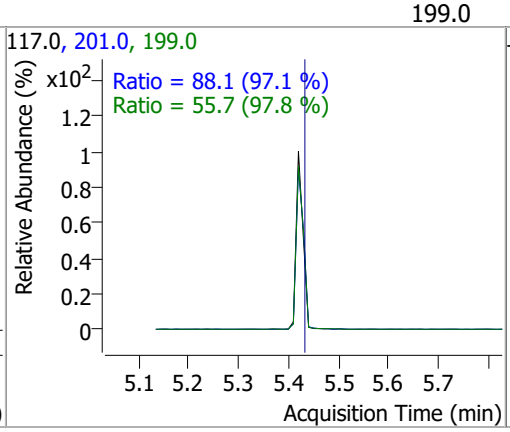


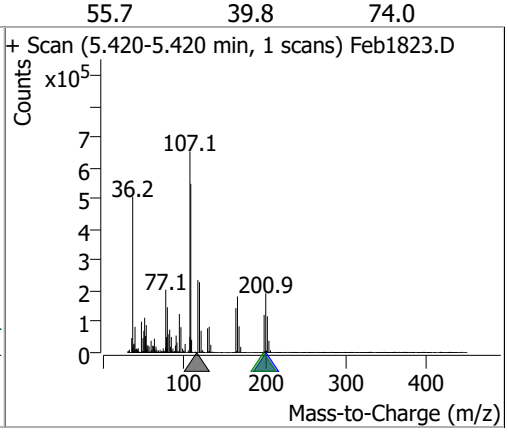




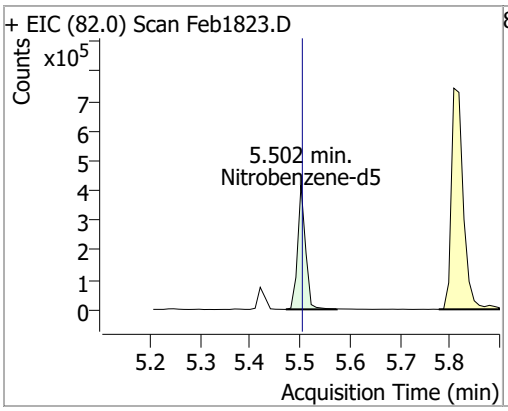
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	54.1510	5.42	-0.01	225074	201.0	88.1	63.5	118.0
					199.0	55.7	39.8	74.0

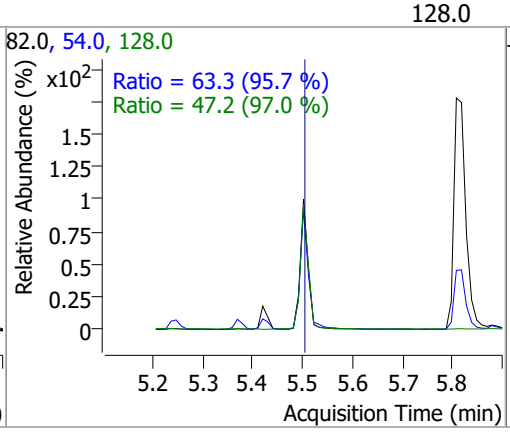


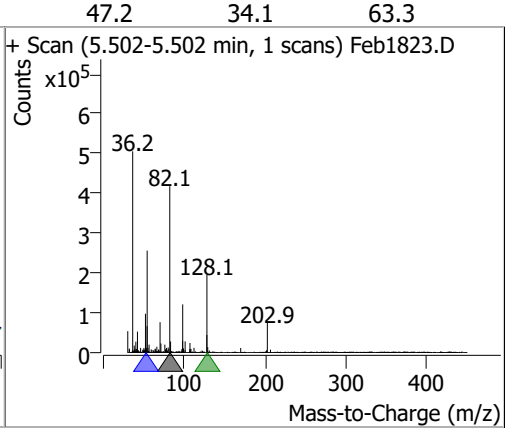




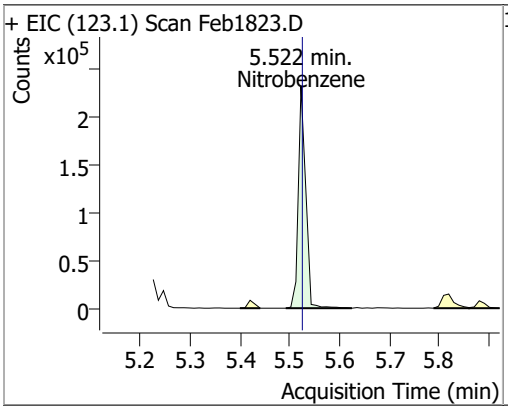
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	67.0098	5.50	0.00	457918	54.0	63.3	46.3	86.0
					128.0	47.2	34.1	63.3

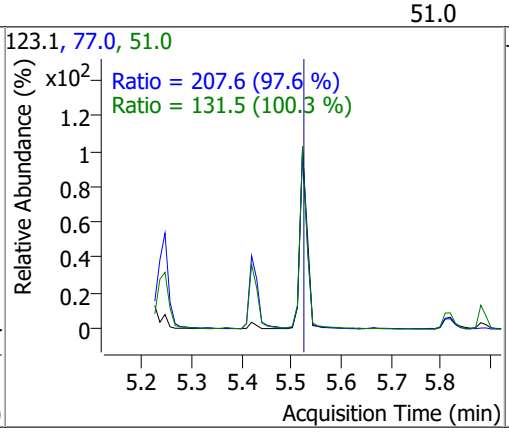


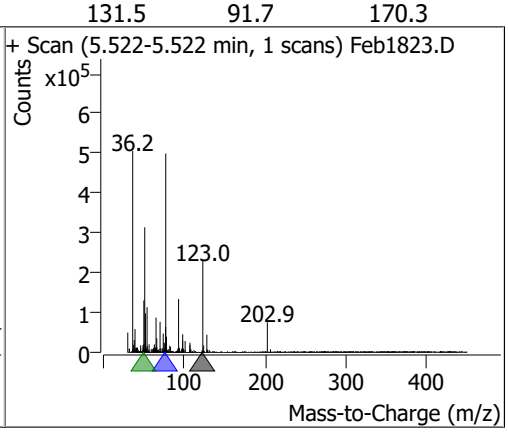




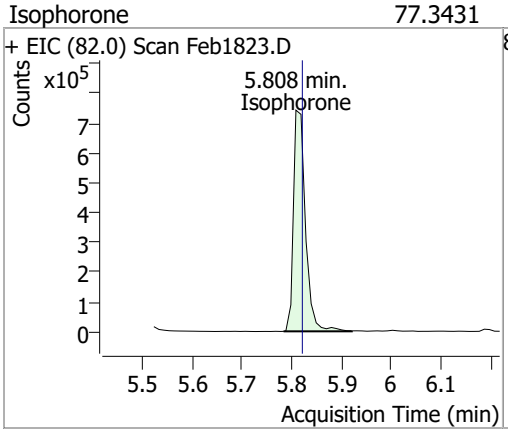
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	68.6000	5.52	0.00	239057	77.0	207.6	148.9	276.5
					51.0	131.5	91.7	170.3

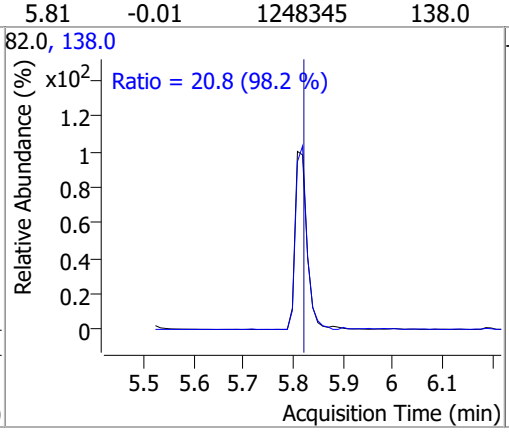


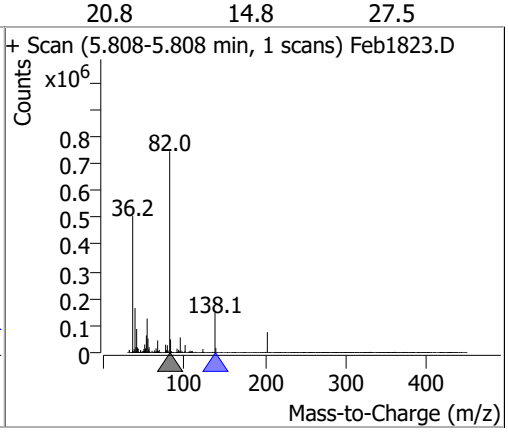




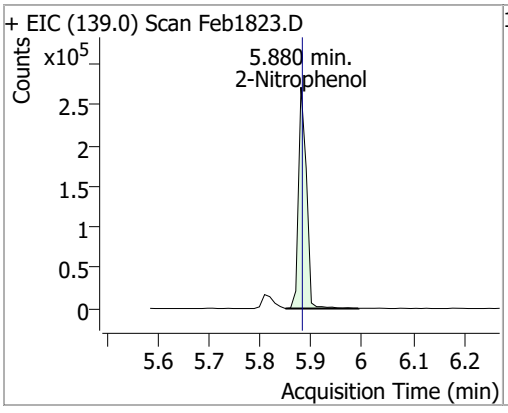
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	77.3431	5.81	-0.01	1248345	138.0	20.8	14.8	27.5

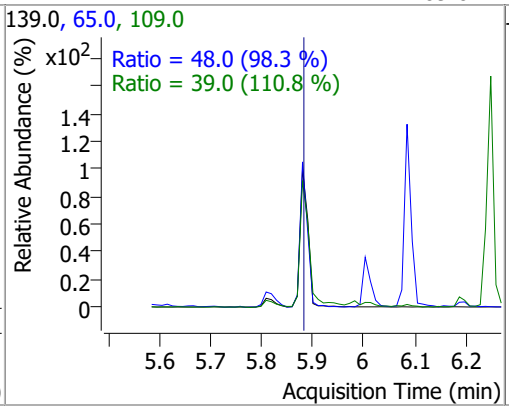


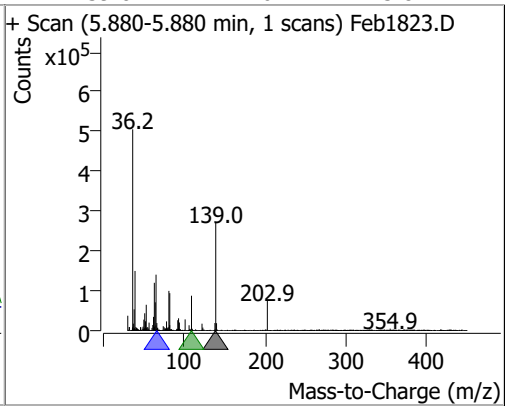




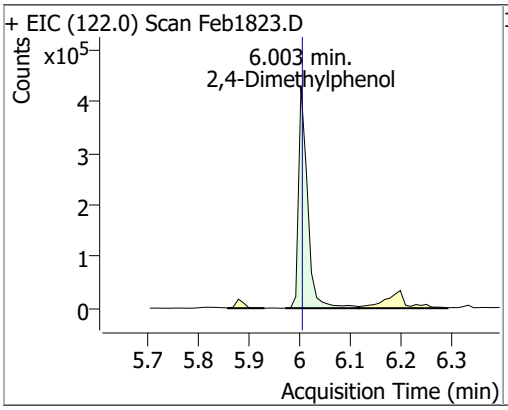
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	81.2303	5.88	0.00	295471	65.0	48.0	34.2	63.4
					109.0	39.0	24.6	45.8

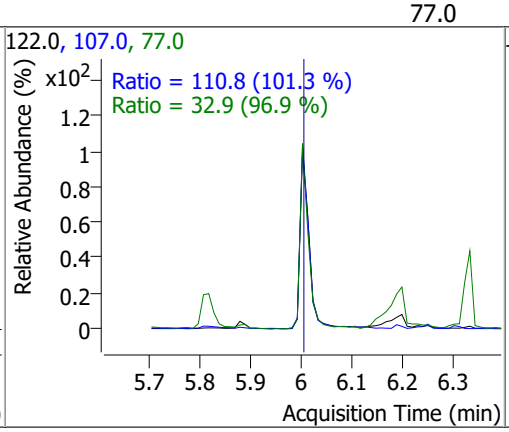


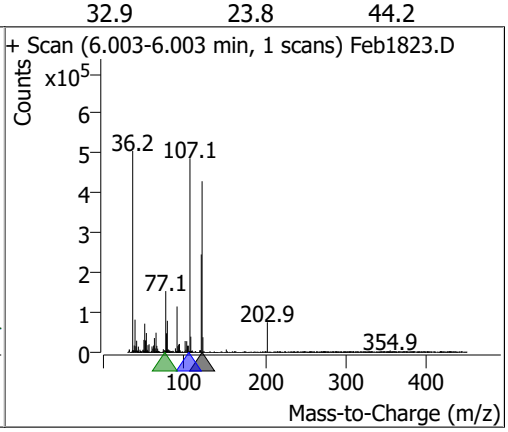




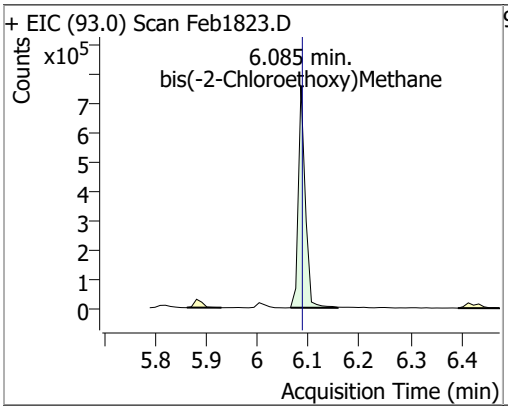
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	70.1150	6.00	0.00	529818	107.0	110.8	76.6	142.3
					77.0	32.9	23.8	44.2

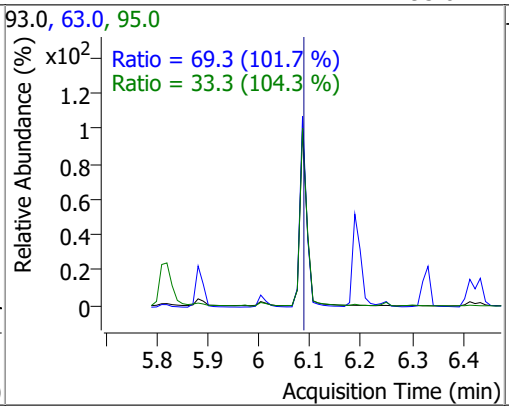


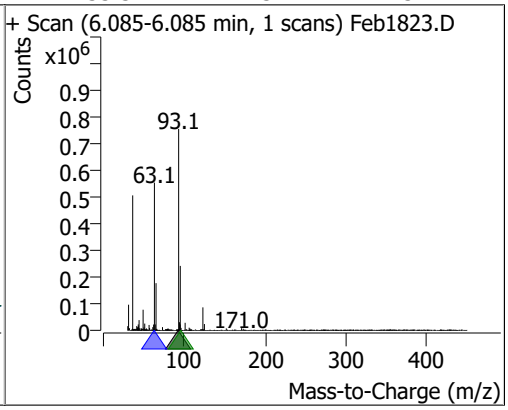




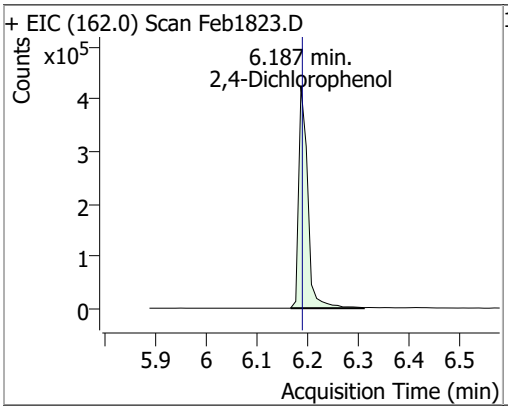
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	73.9926	6.08	0.00	694597	63.0	69.3	47.7	88.6
					95.0	33.3	22.3	41.5

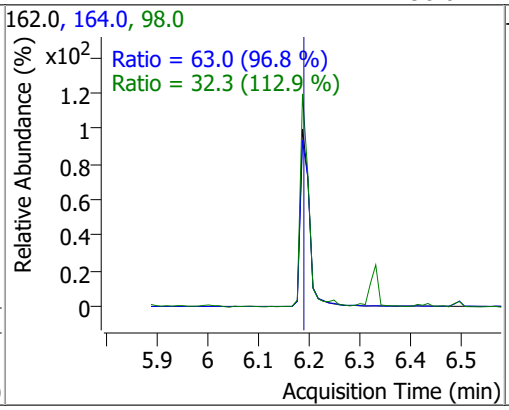


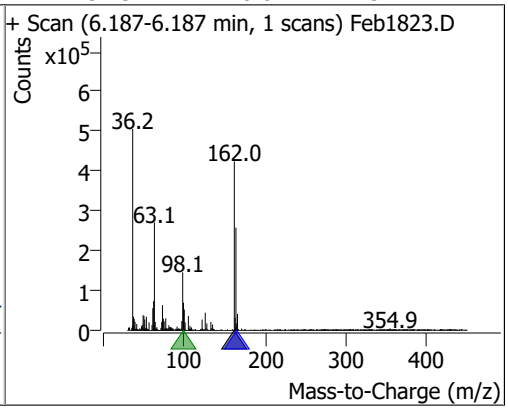




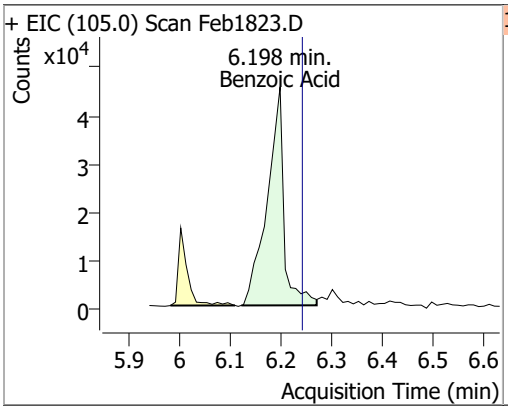
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	73.3411	6.19	0.00	526530	164.0	63.0	45.5	84.5
					98.0	32.3	20.0	37.1

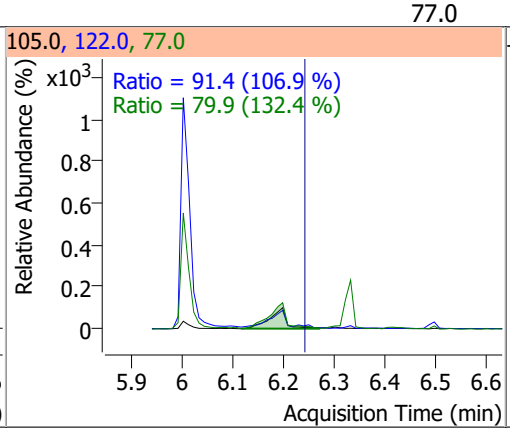


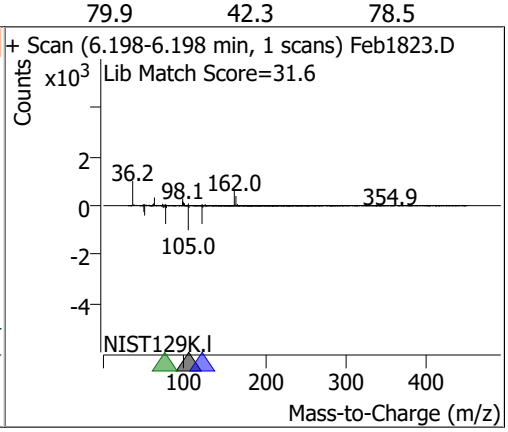




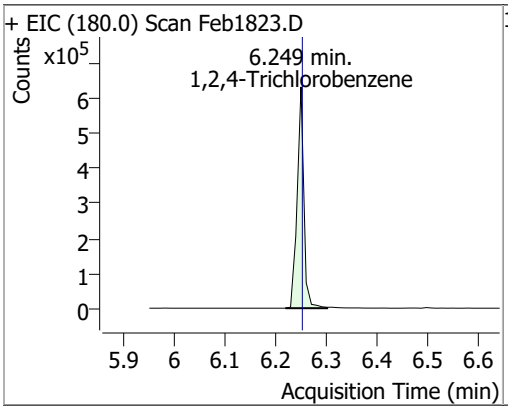
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	31.7123	6.20	-0.04	104440	122.0	91.4	59.9	111.2
					77.0	79.9	42.3	78.5

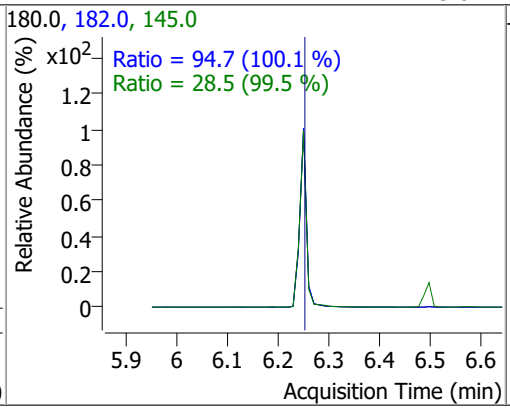


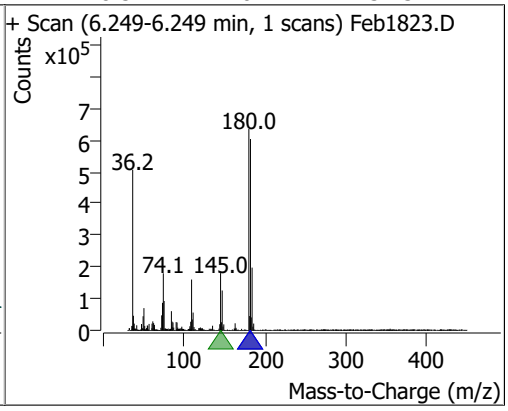




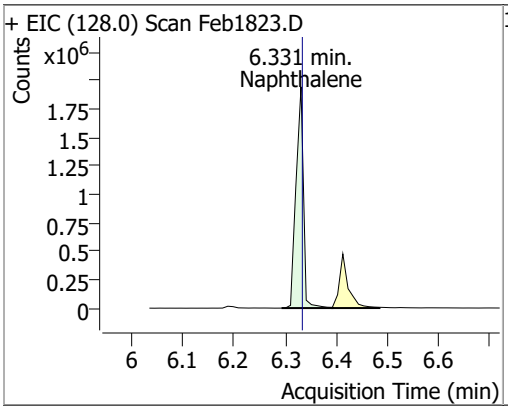
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	66.7328	6.25	0.00	580133	182.0	94.7	66.2	122.9
					145.0	28.5	20.1	37.3

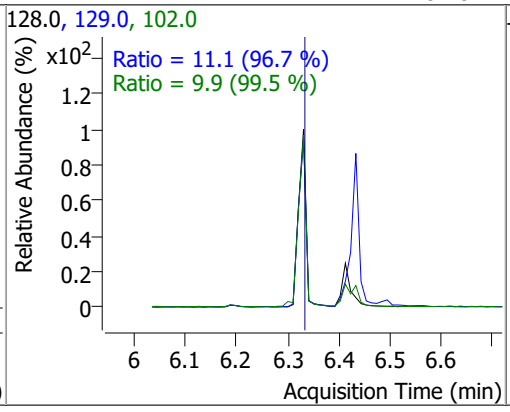


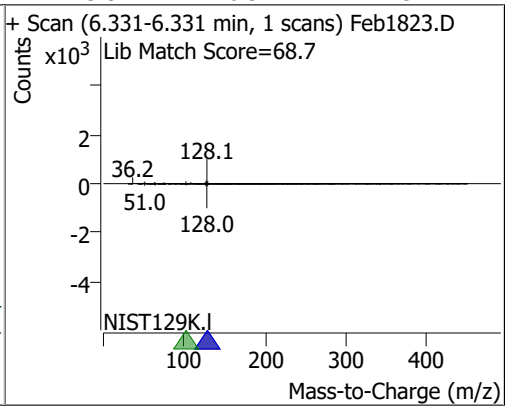




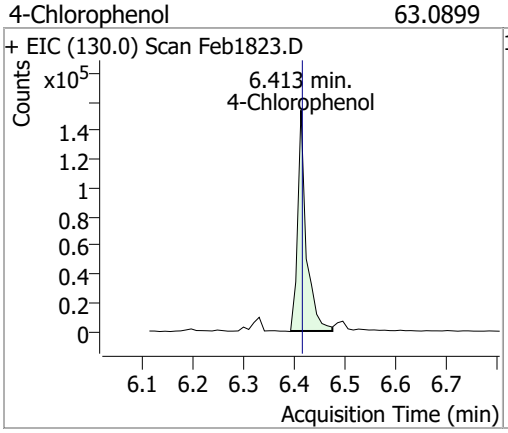
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	76.0449	6.33	0.00	1954869	129.0	11.1	8.0	14.9
					102.0	9.9	6.9	12.9

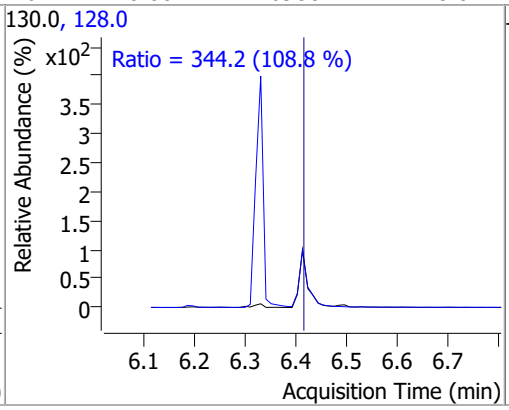


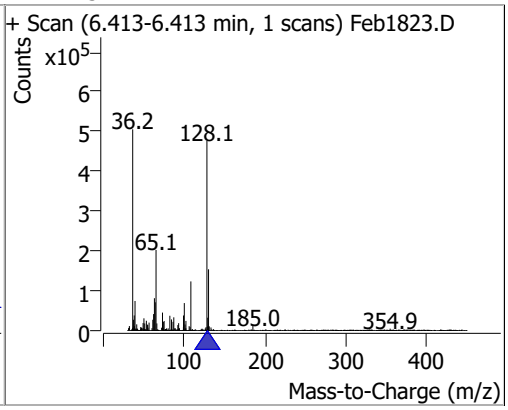




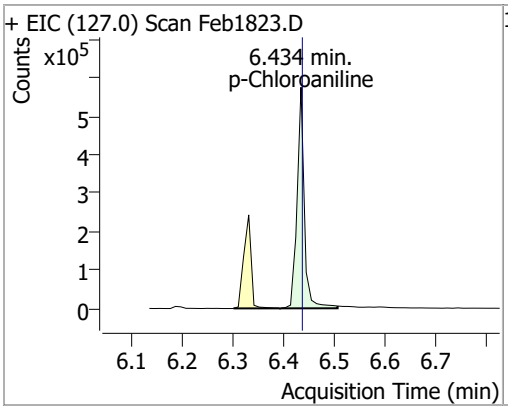
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	63.0899	6.41	0.00	169807	128.0	344.2	221.4	411.2

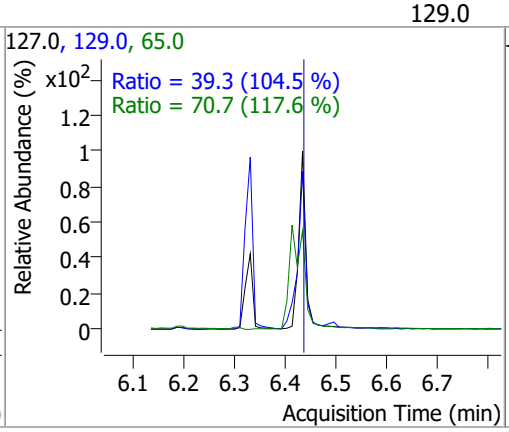


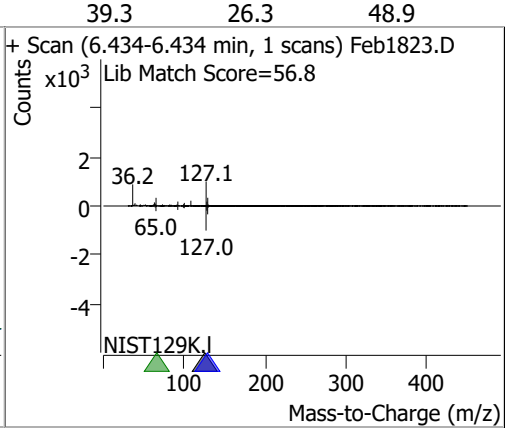




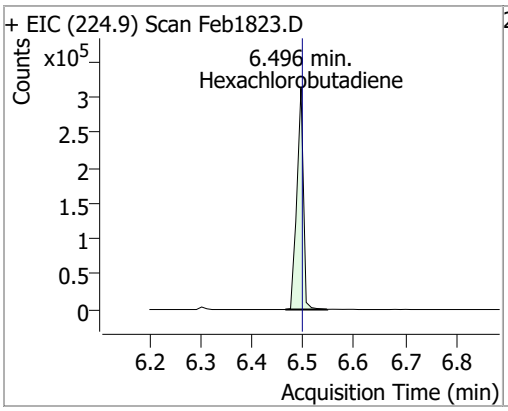
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	56.1898	6.43	0.00	569012	65.0	70.7	42.1	78.2
					129.0	39.3	26.3	48.9

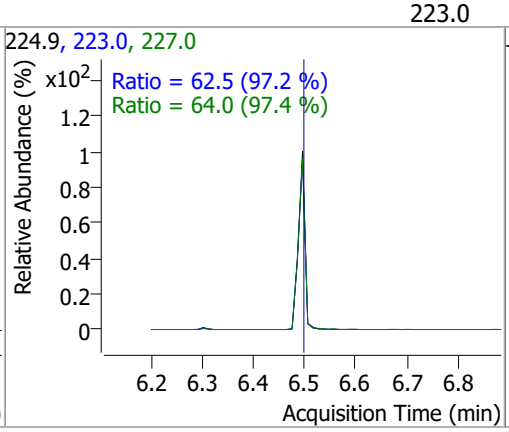


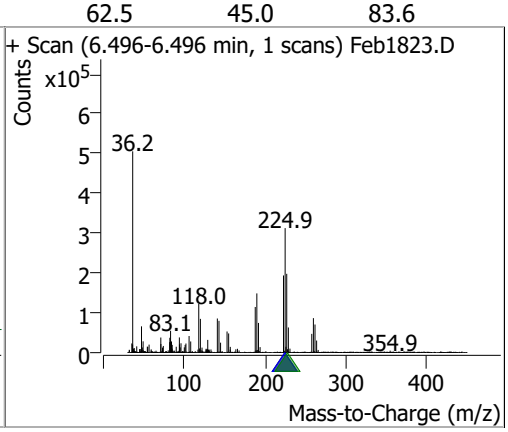




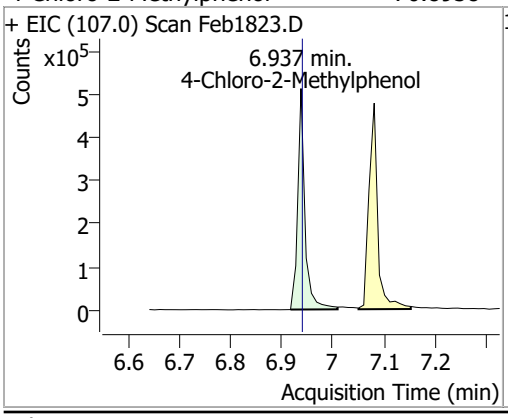
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	62.6887	6.50	0.00	279479	227.0	64.0	46.0	85.4
					223.0	62.5	45.0	83.6

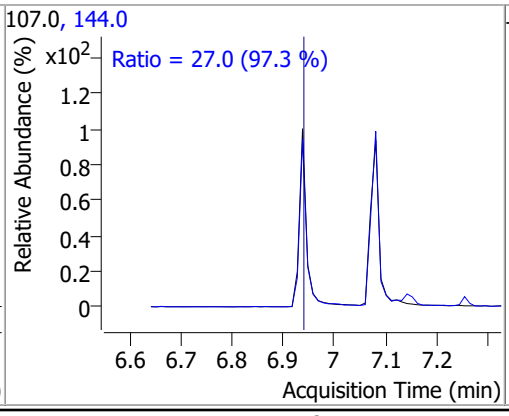


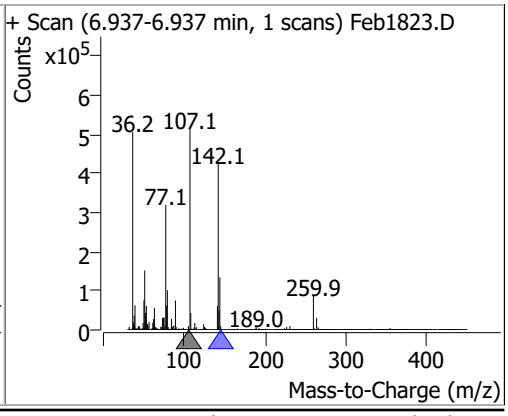




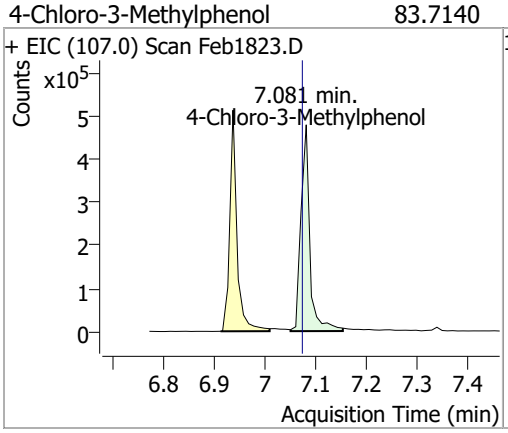
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	70.8958	6.94	0.00	474156	144.0	27.0	19.4	36.1

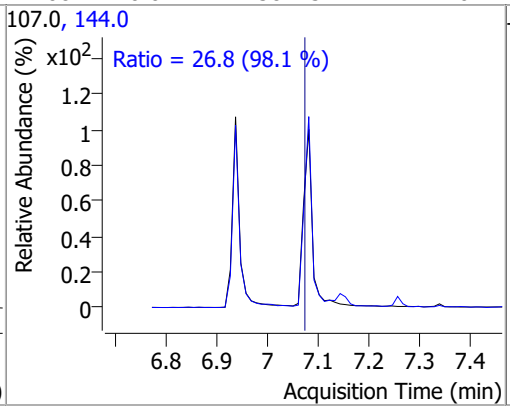


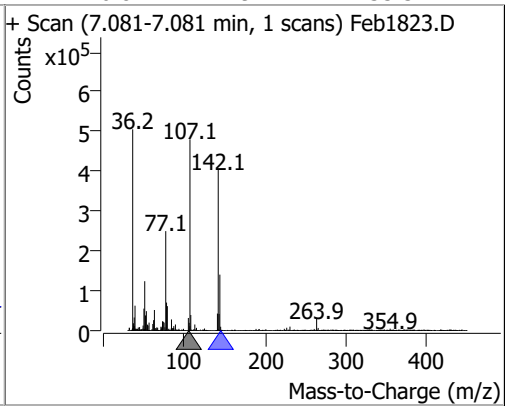




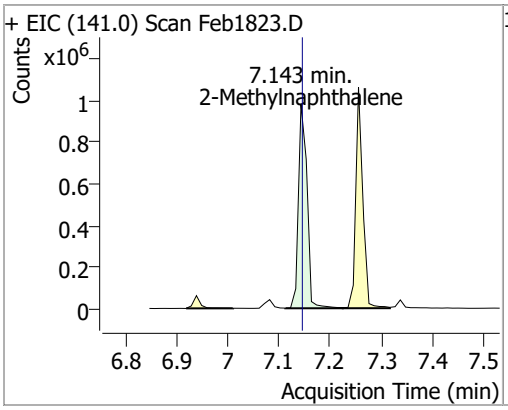
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	83.7140	7.08	0.01	582254	144.0	26.8	19.1	35.5

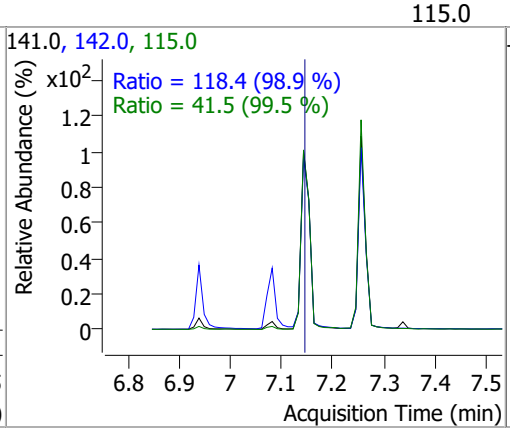


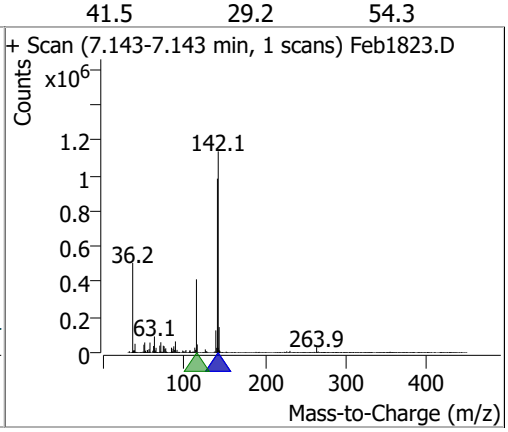




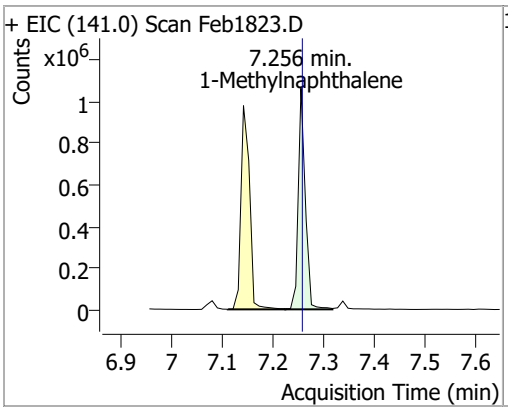
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	79.3988	7.14	0.00	1153139	142.0	118.4	83.8	155.7
					115.0	41.5	29.2	54.3

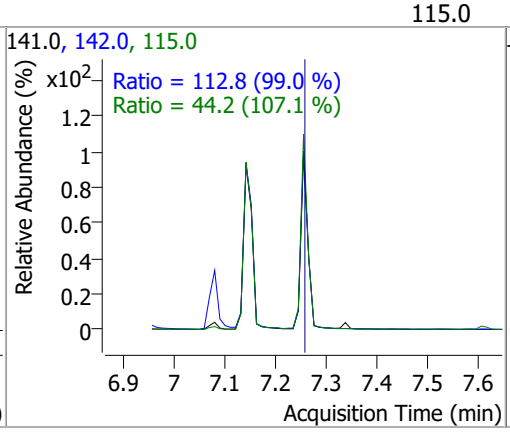


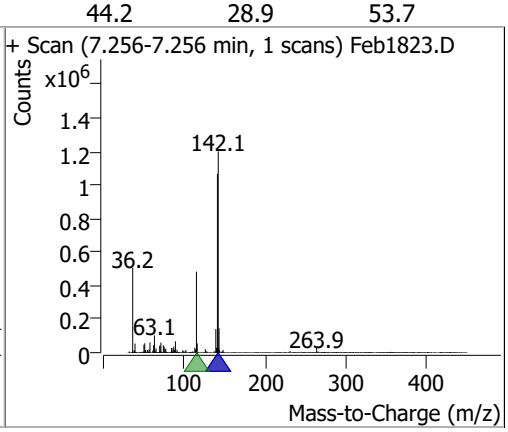




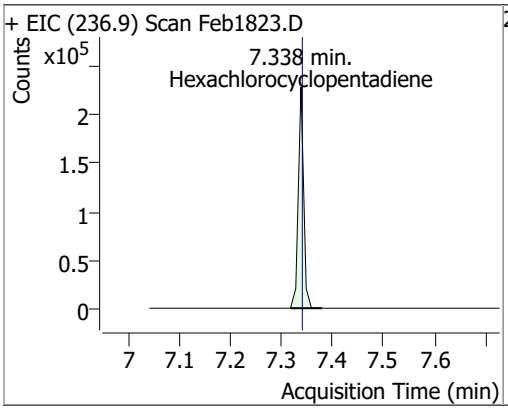
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	72.2254	7.26	0.00	1022455	142.0	112.8	79.8	148.2
					115.0	44.2	28.9	53.7

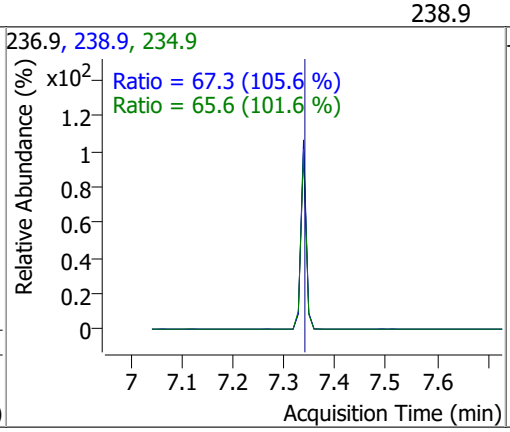


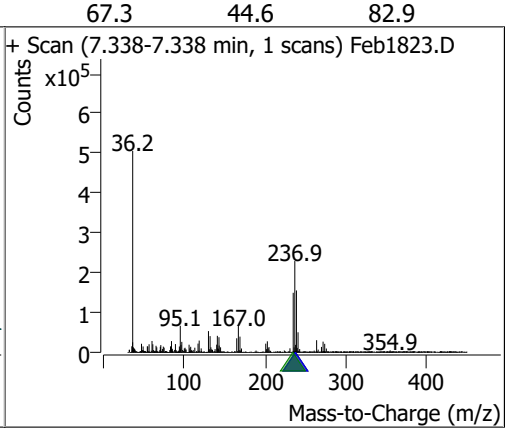




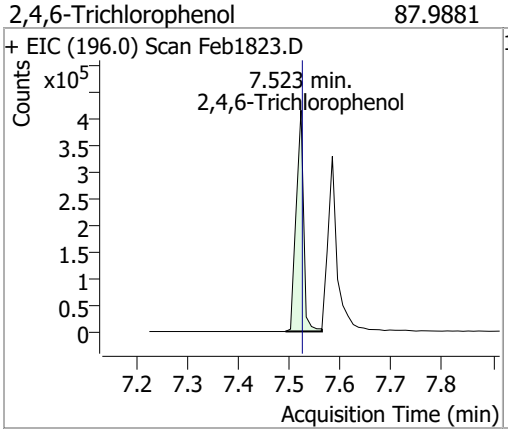
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	62.3380	7.34	0.00	166661	234.9	65.6	45.2	84.0
					238.9	67.3	44.6	82.9

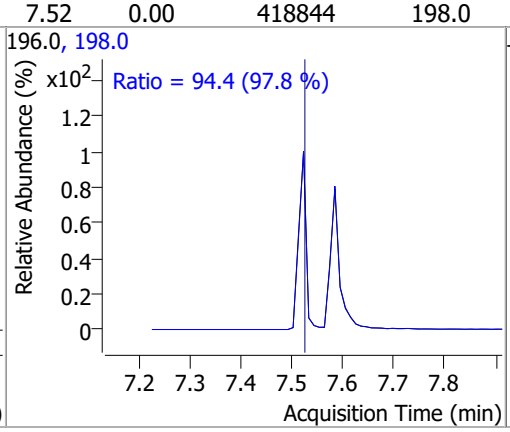


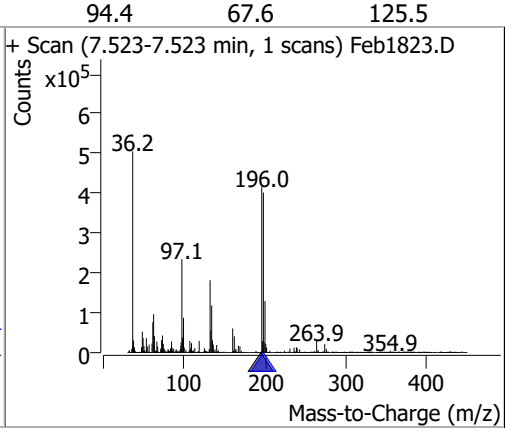




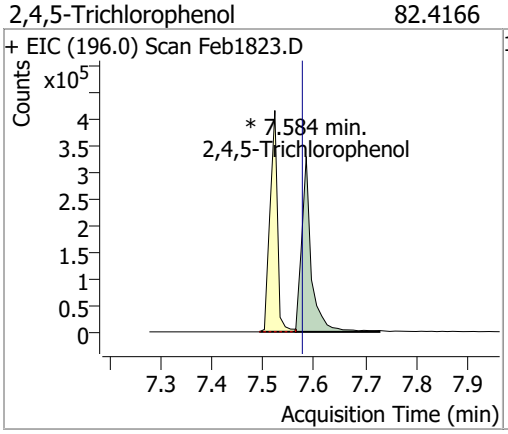
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	87.9881	7.52	0.00	418844	198.0	94.4	67.6	125.5

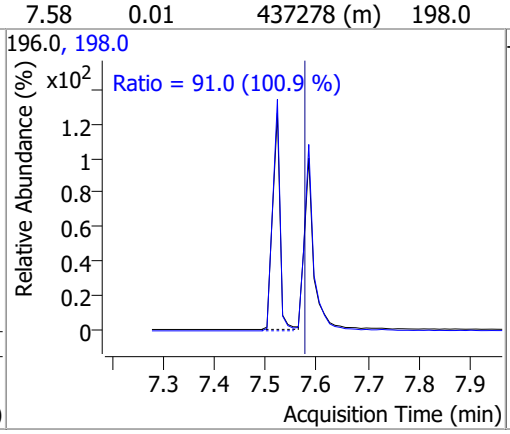


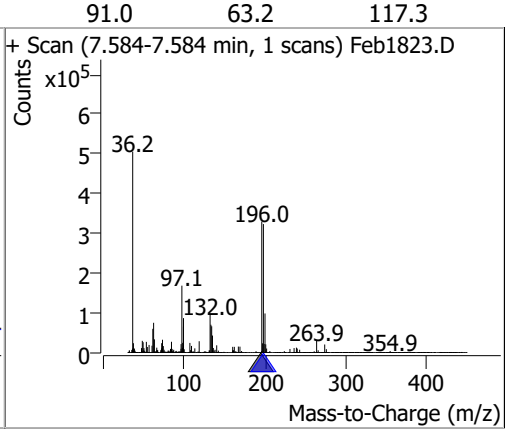




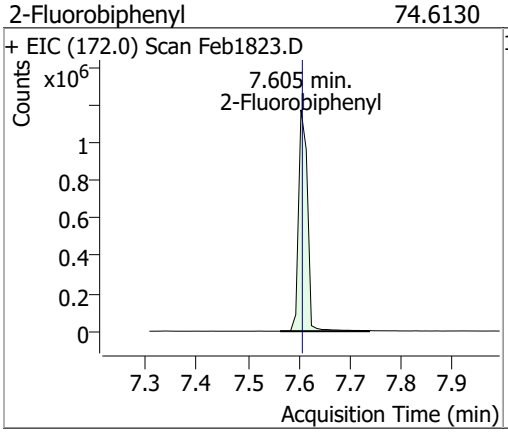
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	82.4166	7.58	0.01	437278 (m)	198.0	91.0	63.2	117.3

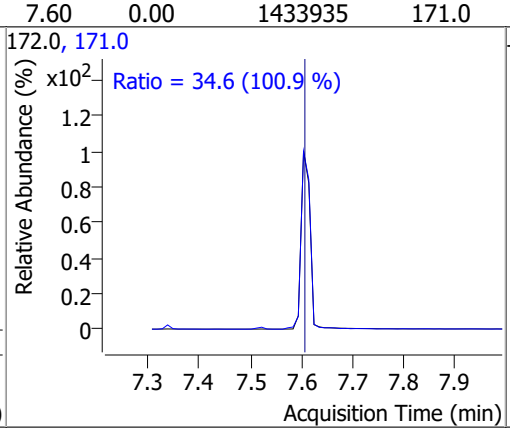


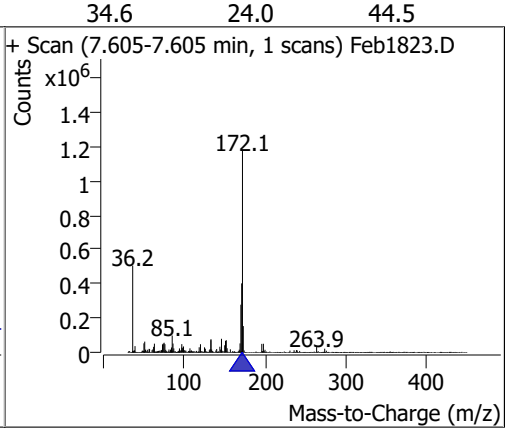




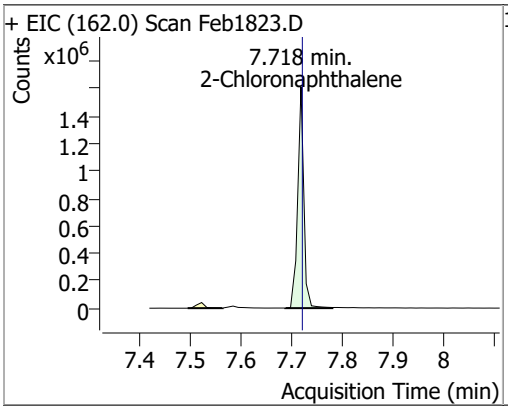
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	74.6130	7.60	0.00	1433935	171.0	34.6	24.0	44.5

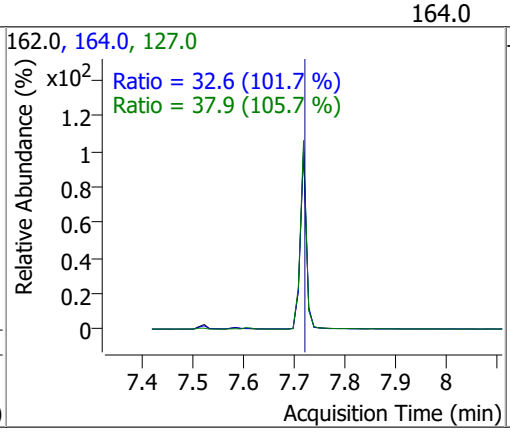


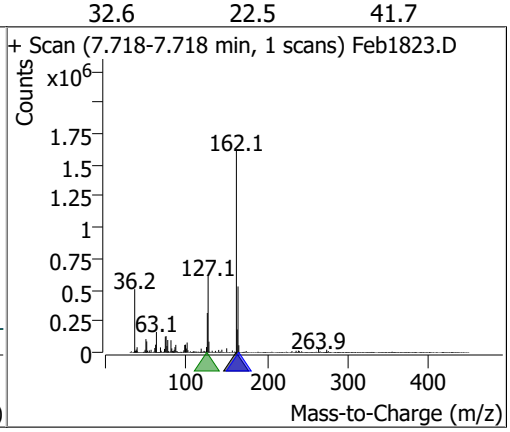




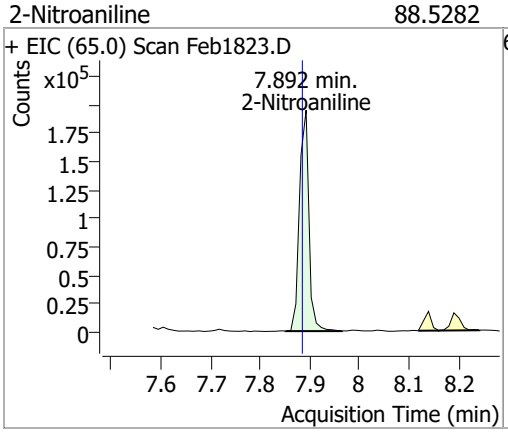
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	83.3833	7.72	0.00	1345867	127.0	37.9	25.1	46.7
					164.0	32.6	22.5	41.7

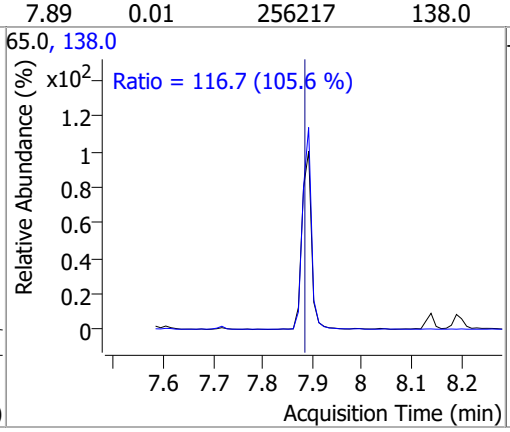


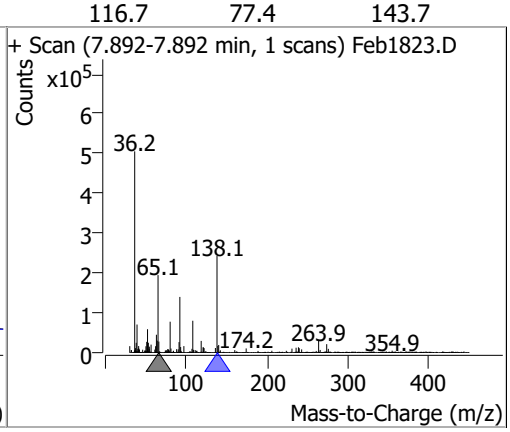




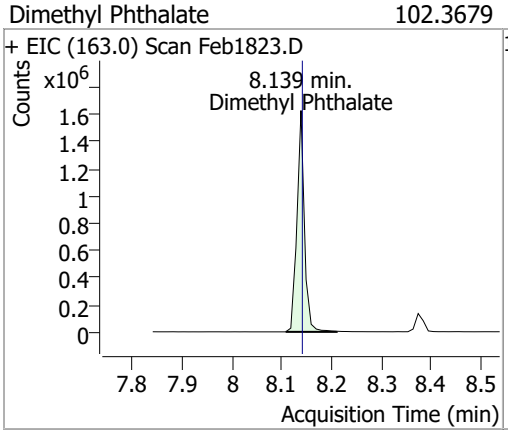
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	88.5282	7.89	0.01	256217	138.0	116.7	77.4	143.7

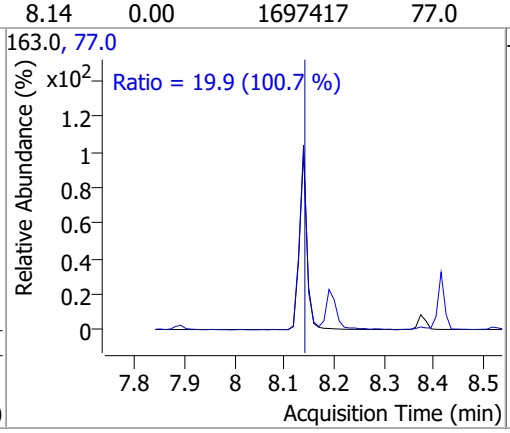


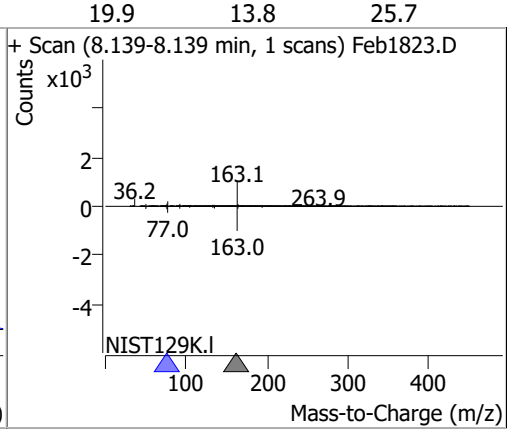




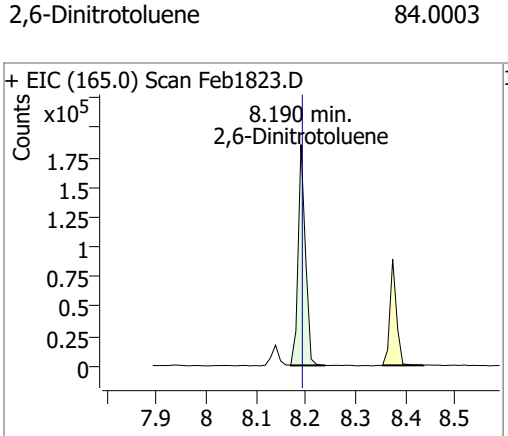
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	102.3679	8.14	0.00	1697417	77.0	19.9	13.8	25.7

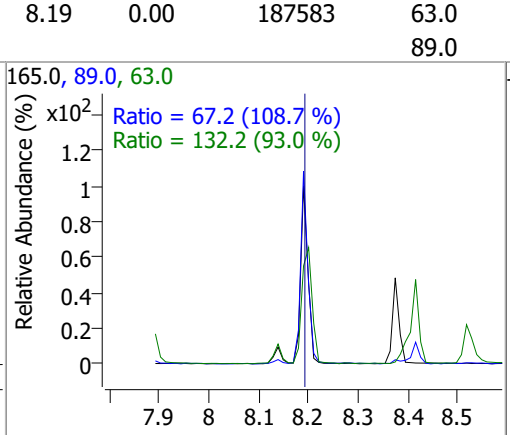


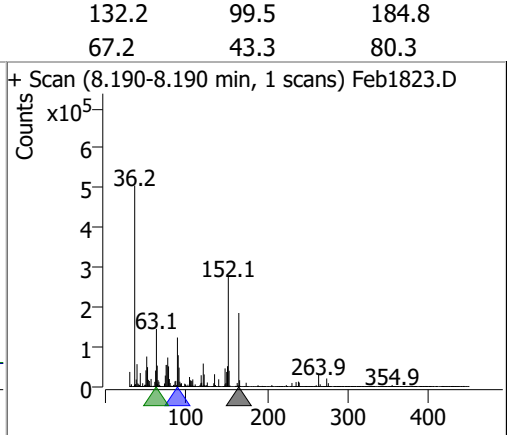




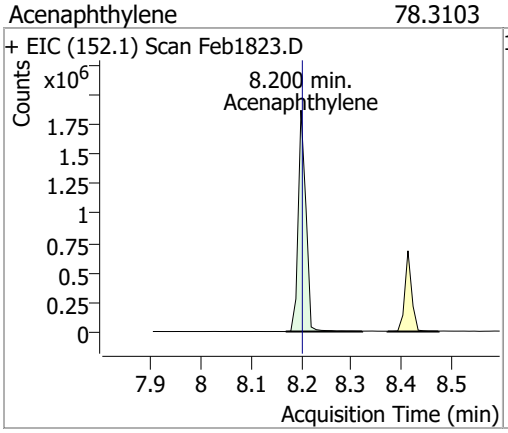
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	84.0003	8.19	0.00	187583	63.0	132.2	99.5	184.8
					89.0	67.2	43.3	80.3

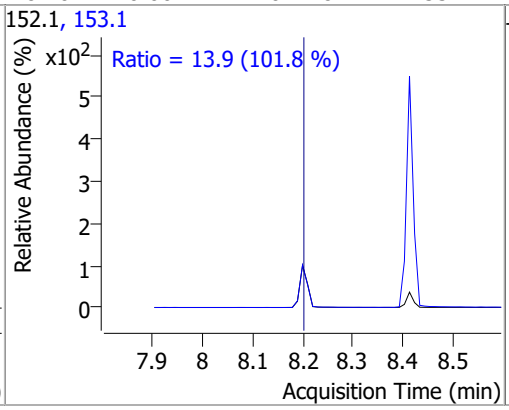


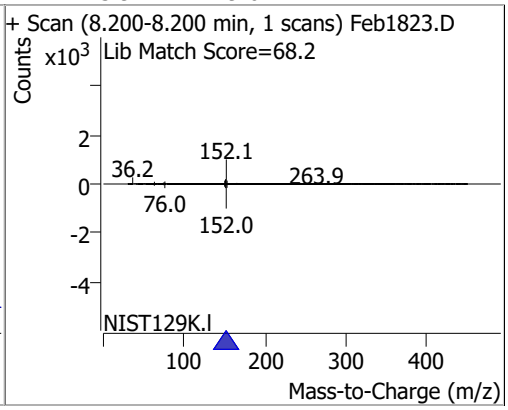




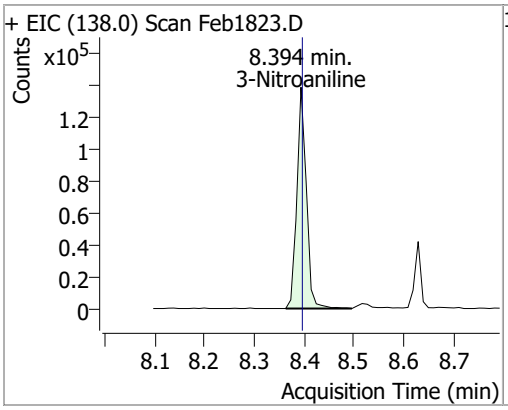
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	78.3103	8.20	0.00	2021184	153.1	13.9	9.6	17.7

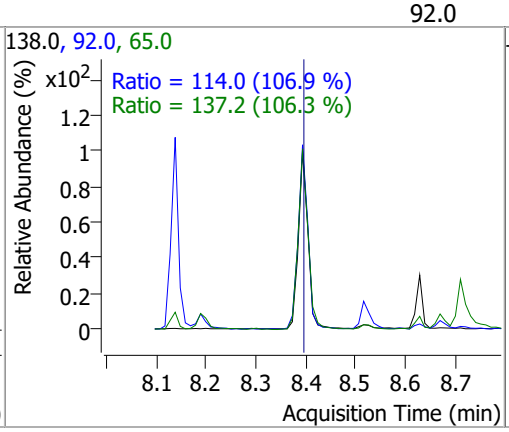


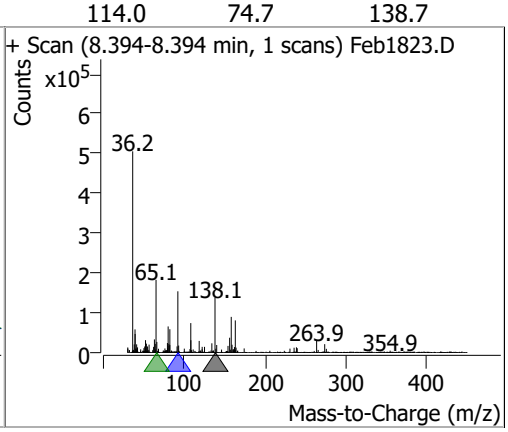




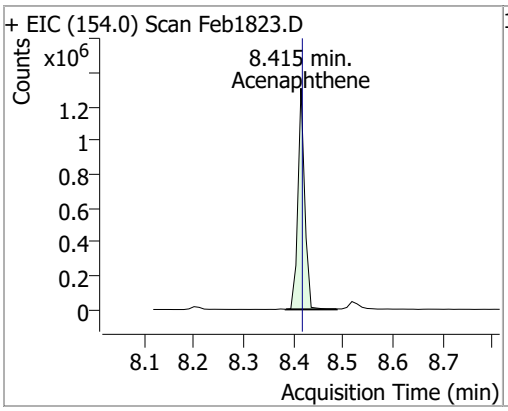
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	72.9638	8.39	0.00	183504	65.0	137.2	90.4	167.8
					92.0	114.0	74.7	138.7

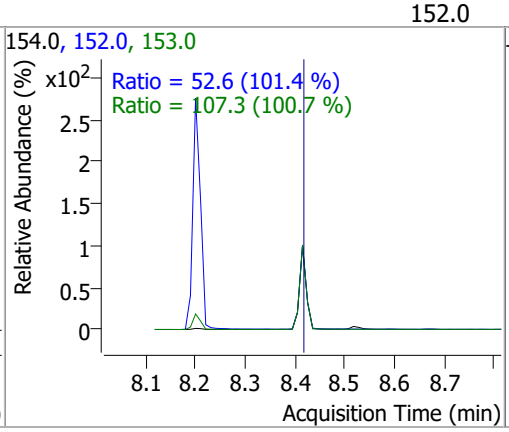


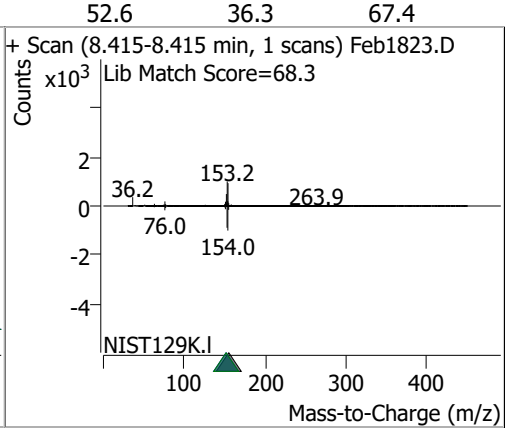




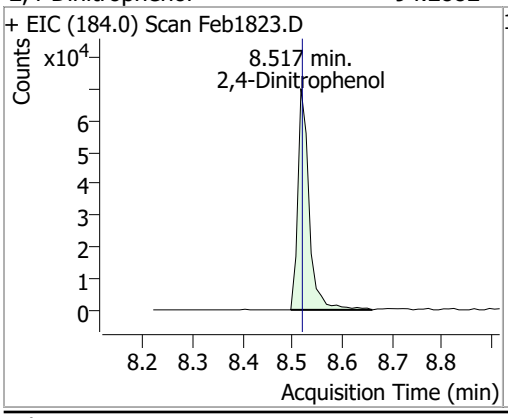
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	84.4732	8.41	0.00	1246477	153.0	107.3	74.5	138.4
					152.0	52.6	36.3	67.4

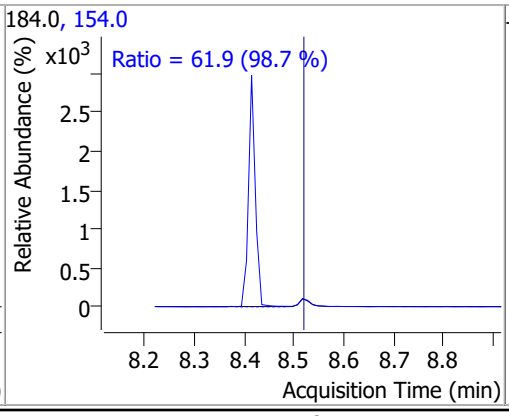


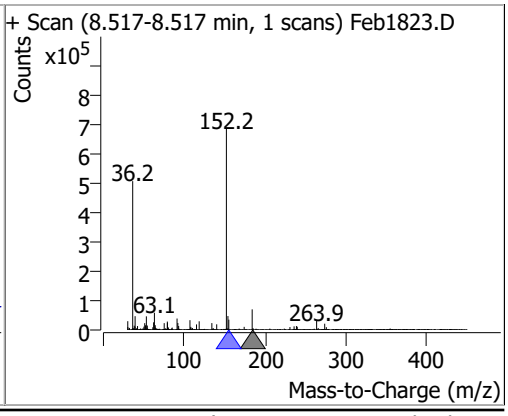




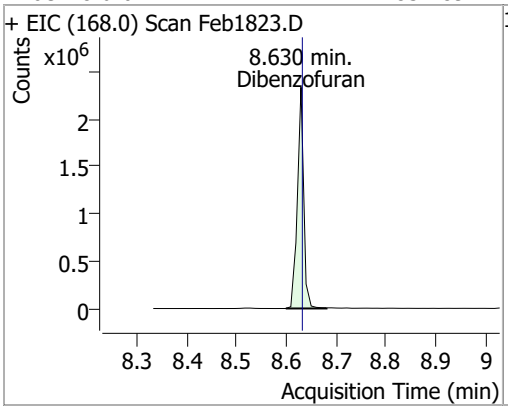
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	94.2882	8.52	0.00	110981	154.0	61.9	43.9	81.5

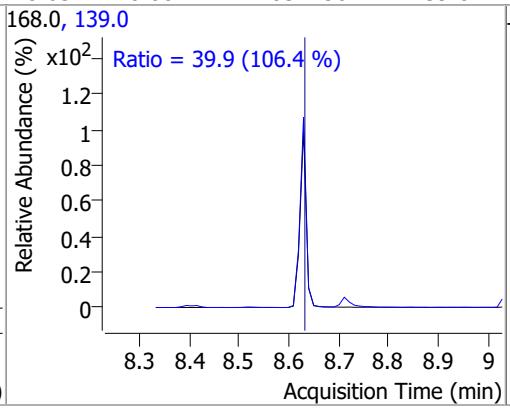


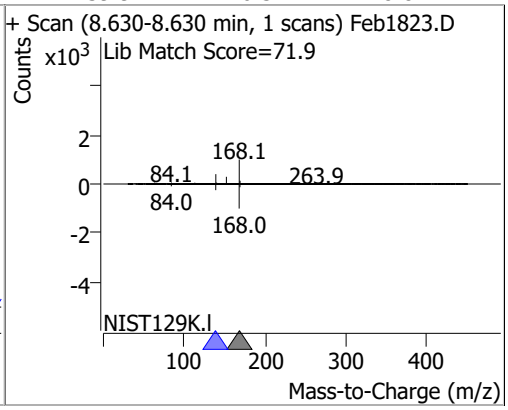




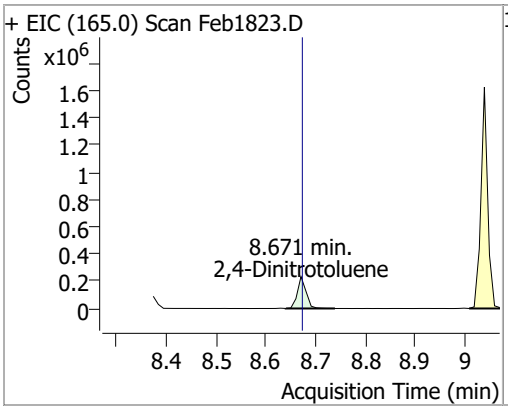
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	85.1894	8.63	0.00	2054456	139.0	39.9	26.3	48.8

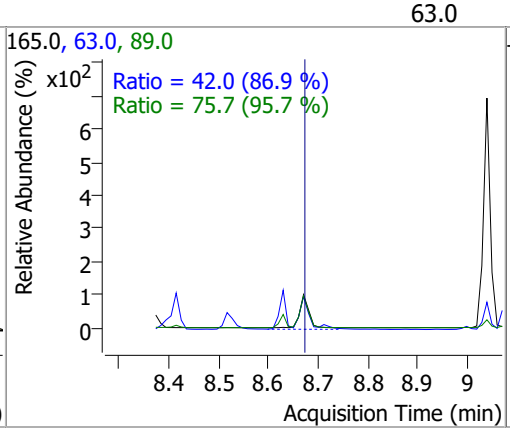


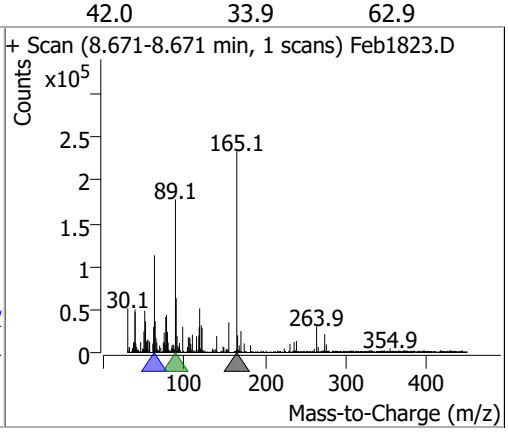




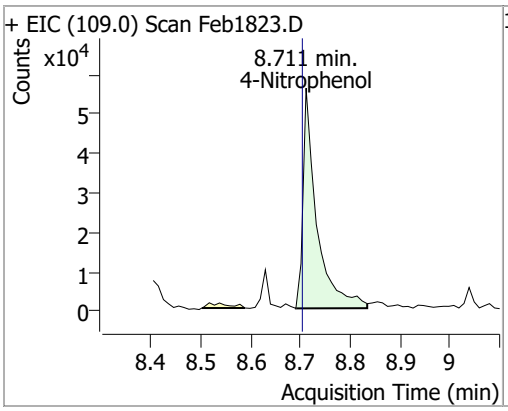
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	97.4598	8.67	0.00	280137	89.0	75.7	55.4	102.9
					63.0	42.0	33.9	62.9

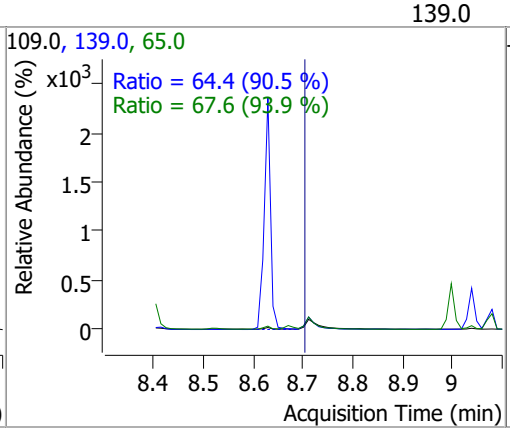


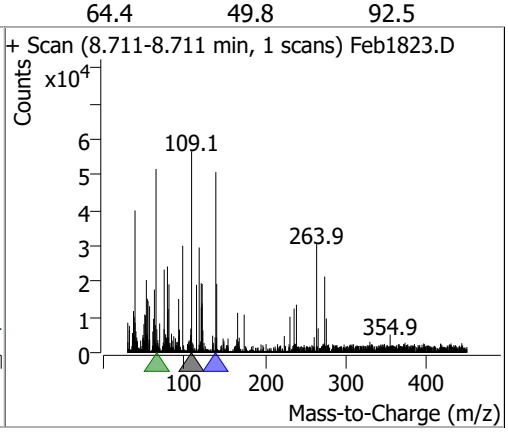




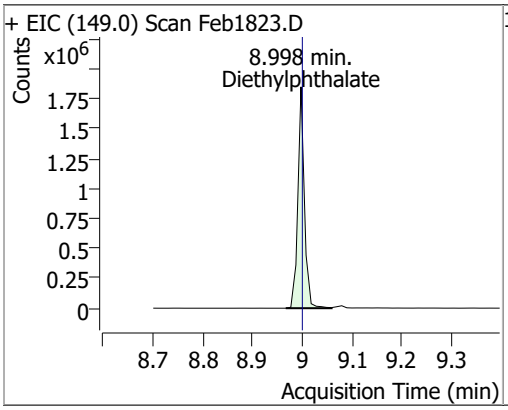
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	41.6721	8.71	0.01	107273	65.0	67.6	50.4	93.6
					139.0	64.4	49.8	92.5

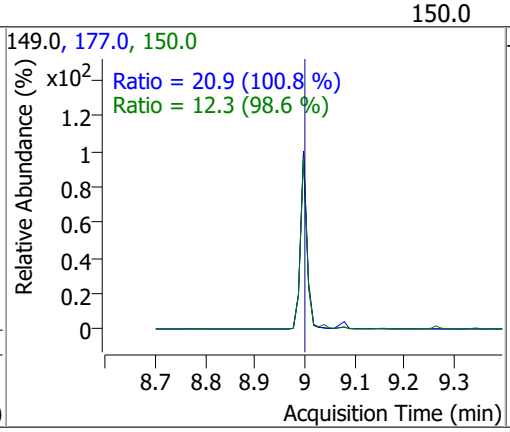


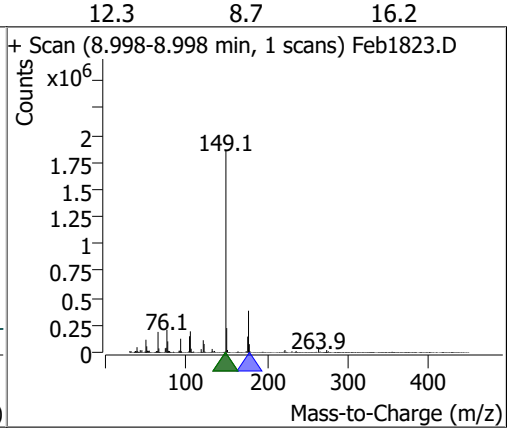




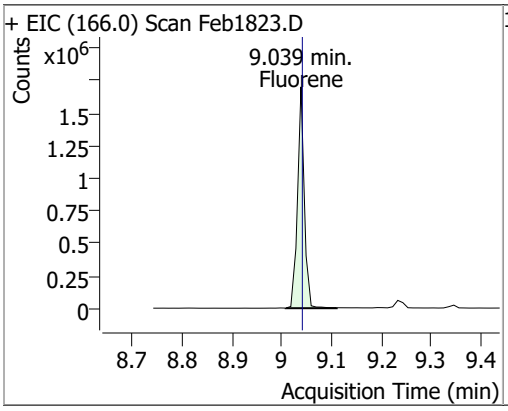
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	97.9952	9.00	0.00	1683338	177.0	20.9	14.5	27.0
					150.0	12.3	8.7	16.2

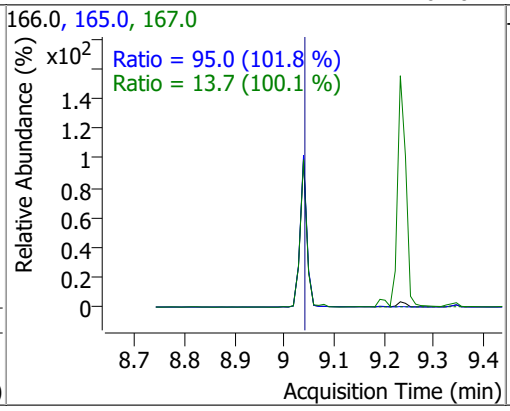


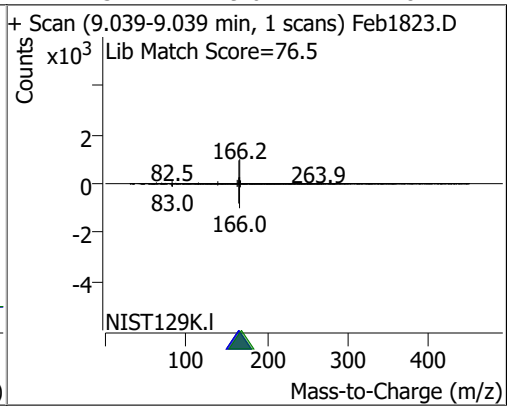




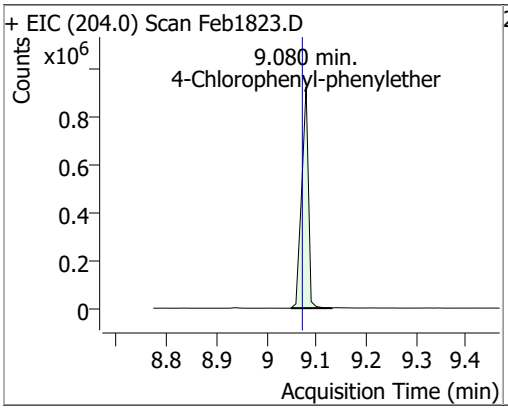
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	83.0893	9.04	0.00	1612148	165.0	95.0	65.4	121.4
					167.0	13.7	9.6	17.8

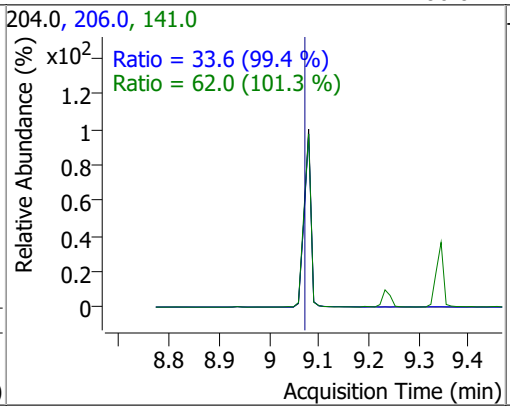


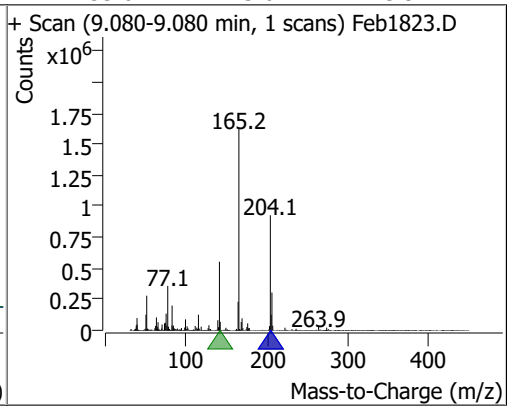




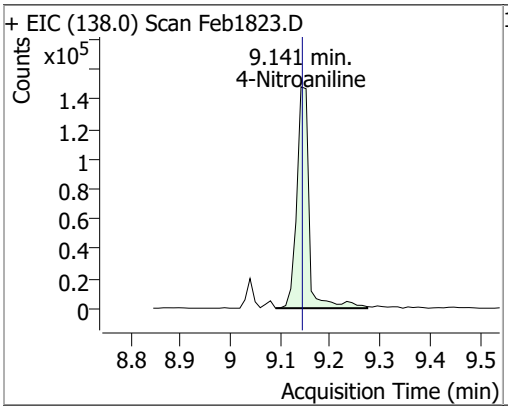
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	97.9860	9.08	0.01	864840	141.0	62.0	42.8	79.6
					206.0	33.6	23.6	43.9

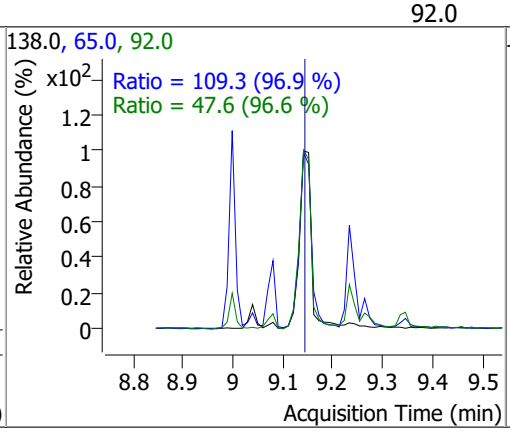


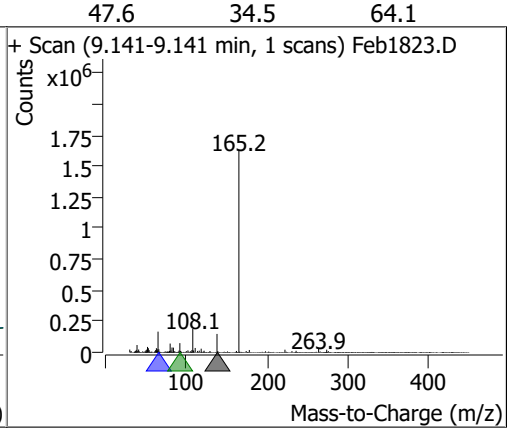




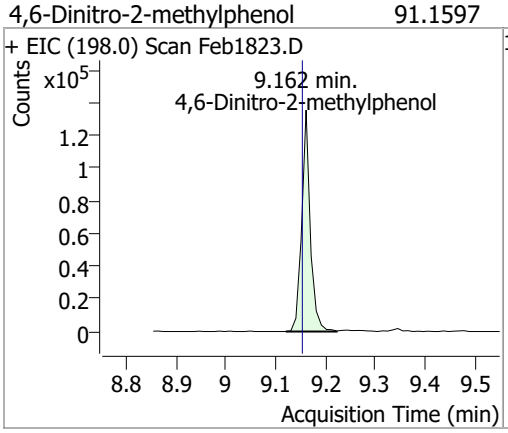
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	89.3712	9.14	0.00	256794	65.0	109.3	78.9	146.6
					92.0	47.6	34.5	64.1

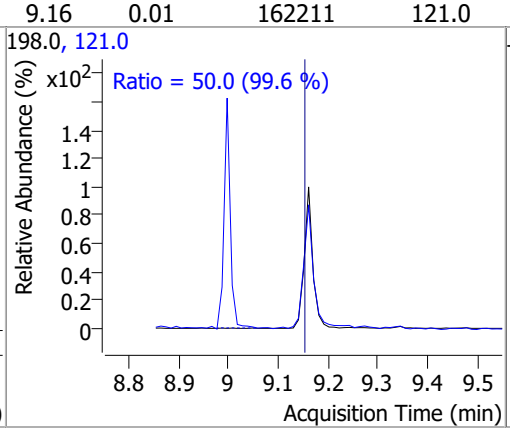


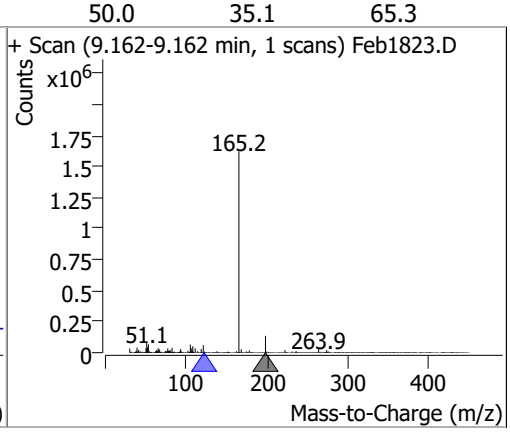




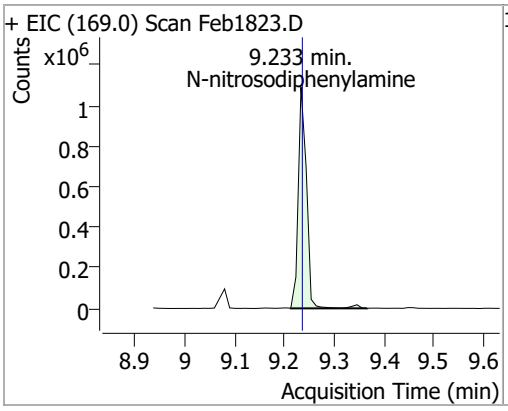
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	91.1597	9.16	0.01	162211	121.0	50.0	35.1	65.3

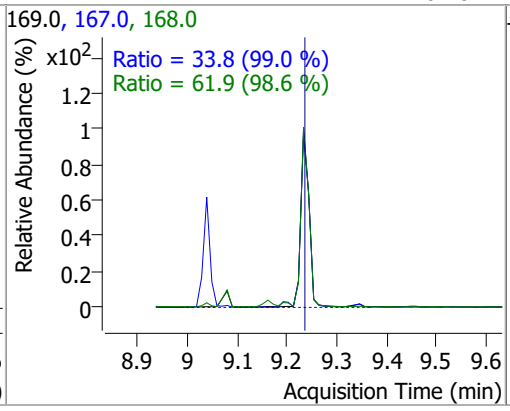


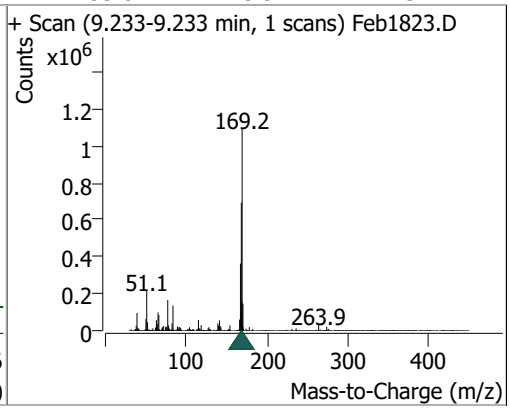




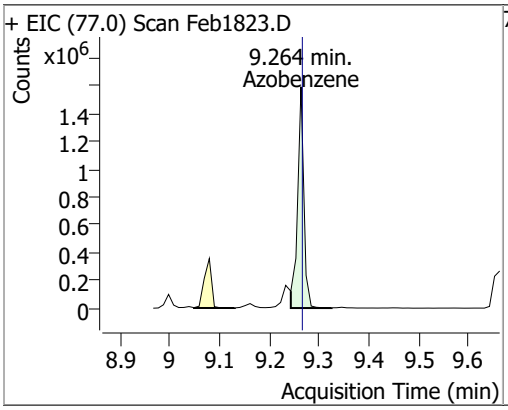
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	93.7845	9.23	0.00	1258314	168.0	61.9	44.0	81.7
					167.0	33.8	23.9	44.3

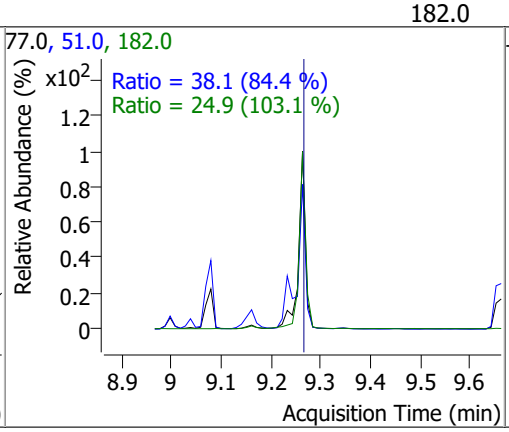


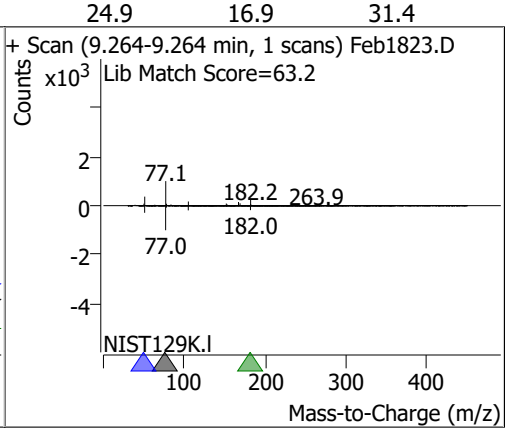




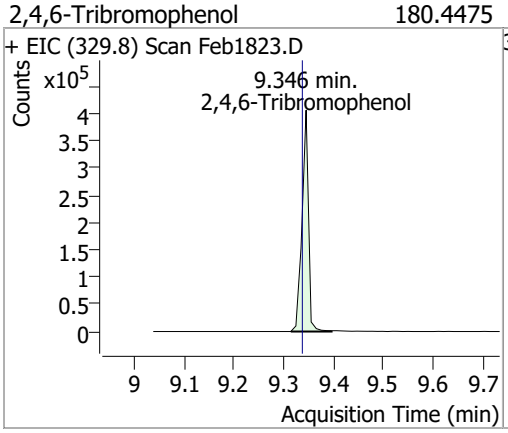
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	78.9061	9.26	0.00	1394027	51.0	38.1	31.6	58.7
					182.0	24.9	16.9	31.4

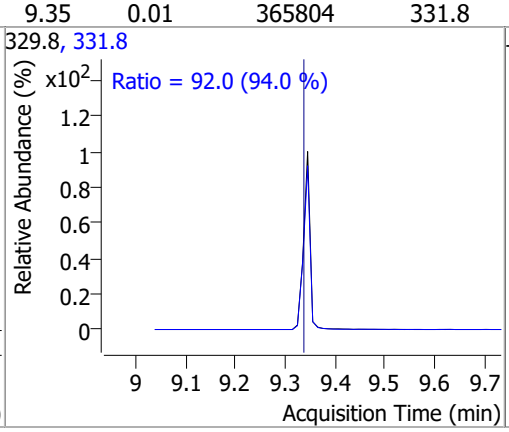


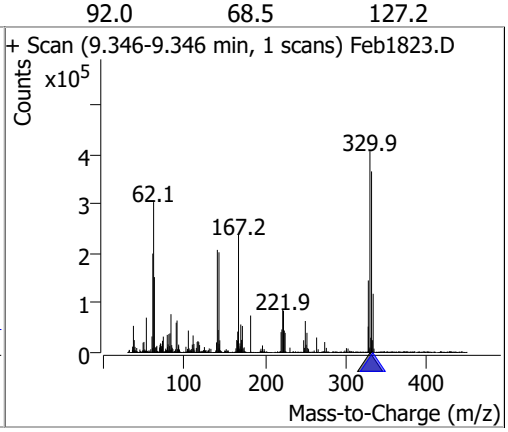




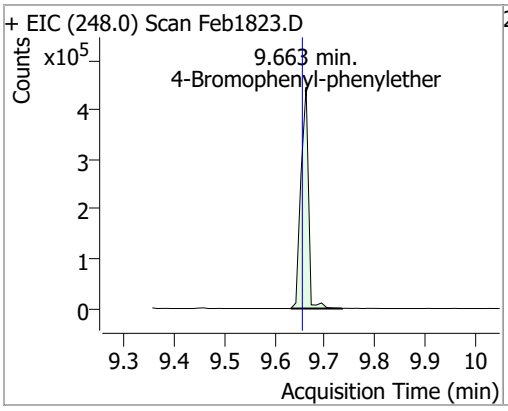
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	180.4475	9.35	0.01	365804	331.8	92.0	68.5	127.2

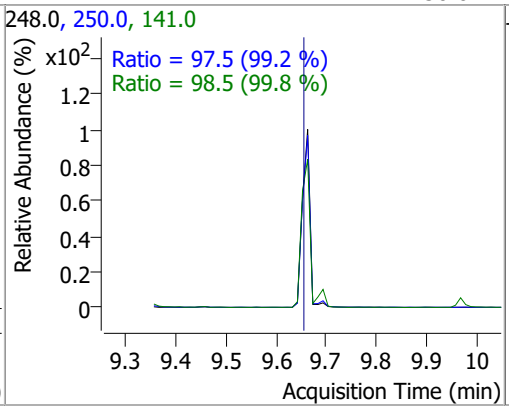


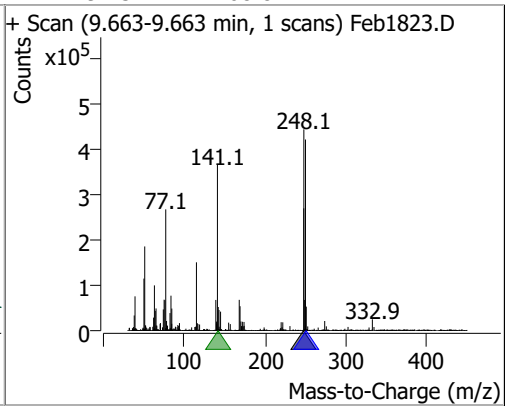




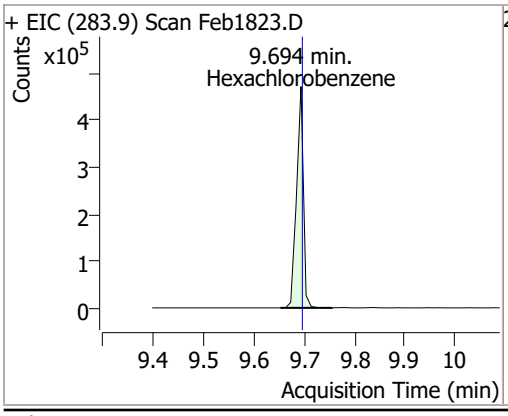
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	90.6294	9.66	0.01	465172	141.0	98.5	69.1	128.4
					250.0	97.5	68.8	127.7

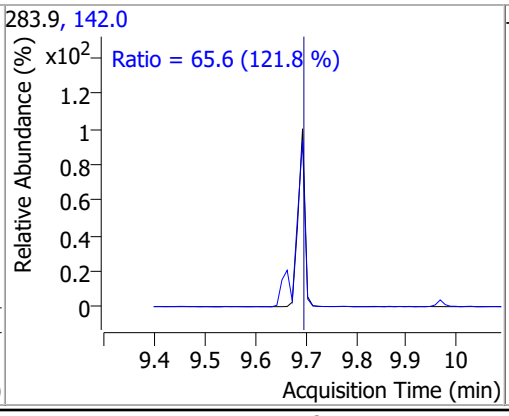


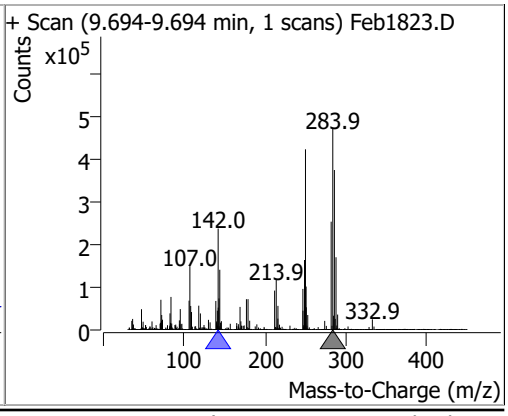




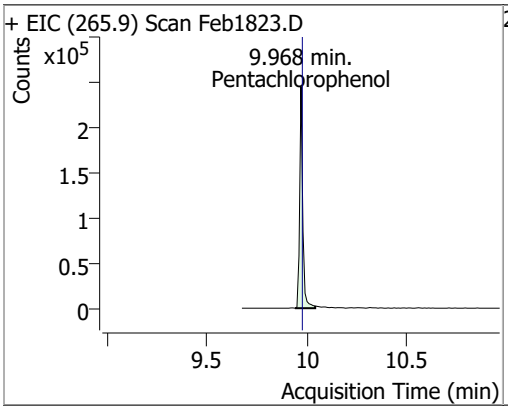
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	86.6372	9.69	0.00	445774	142.0	65.6	37.7	70.0

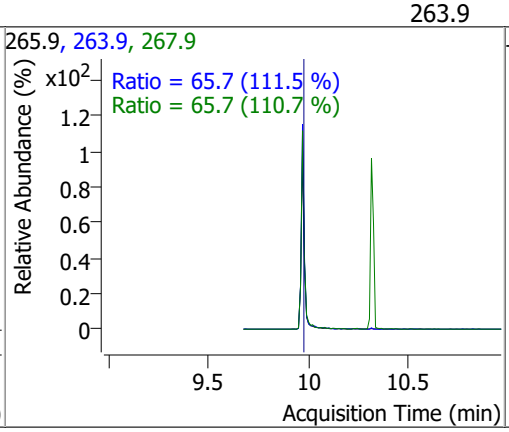


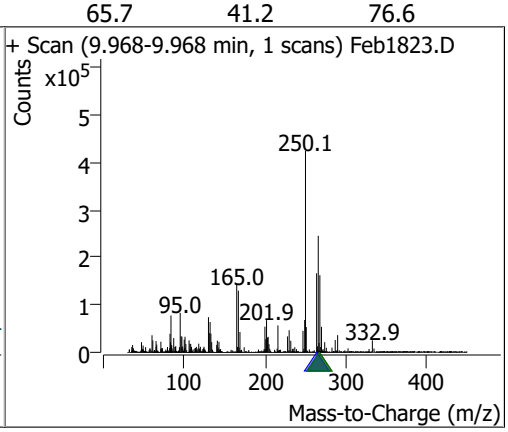




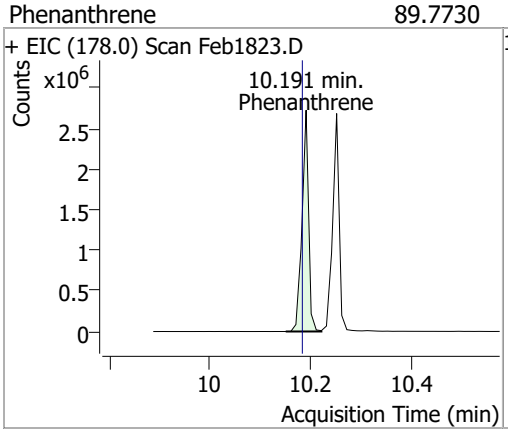
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	102.1712	9.97	0.00	258808	267.9	65.7	41.5	77.2
					263.9	65.7	41.2	76.6

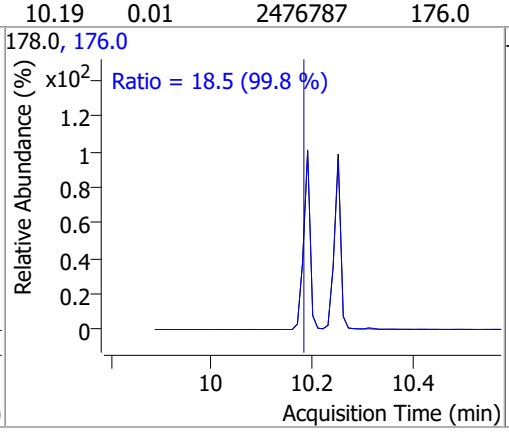


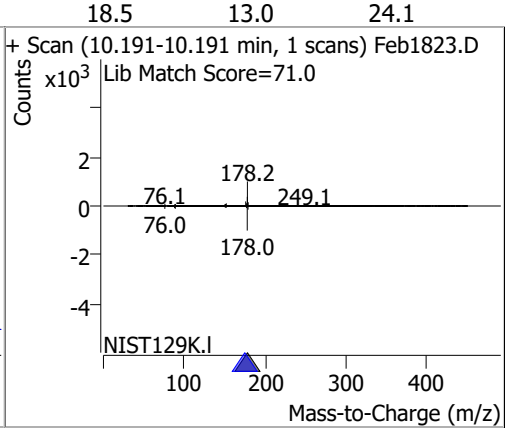




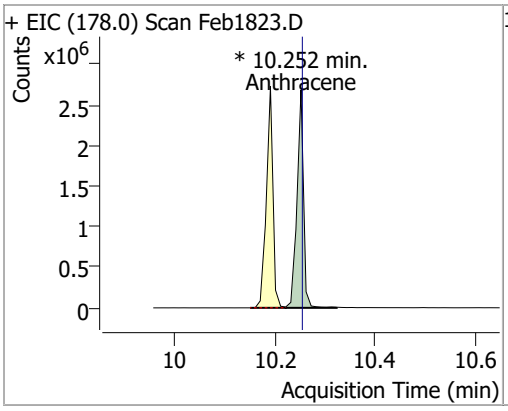
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	89.7730	10.19	0.01	2476787	176.0	18.5	13.0	24.1

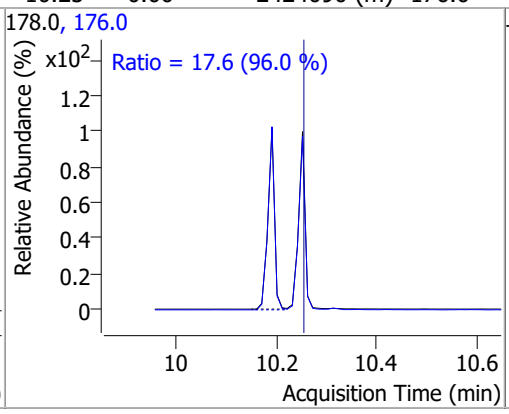


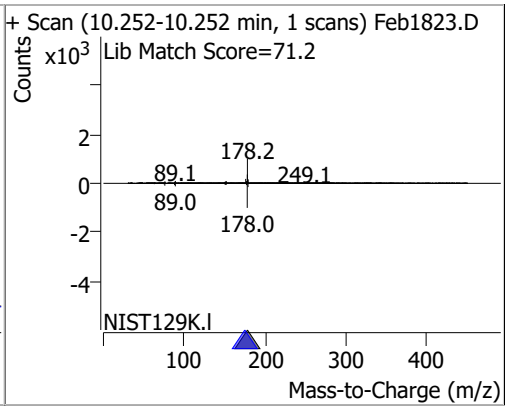




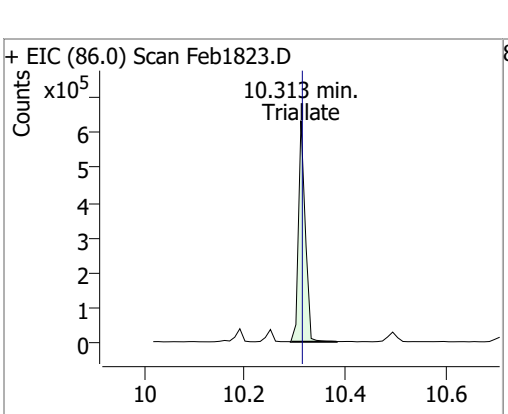
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	92.4033	10.25	0.00	2424090 (m)	176.0	17.6	12.9	23.9

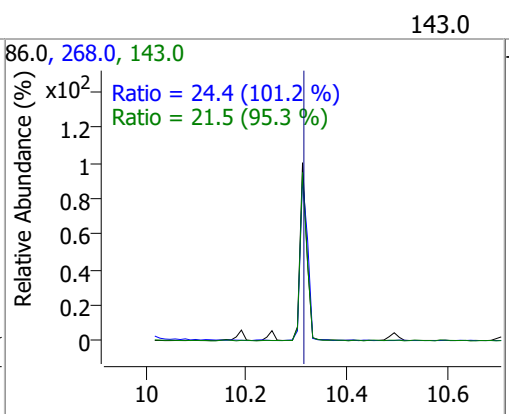


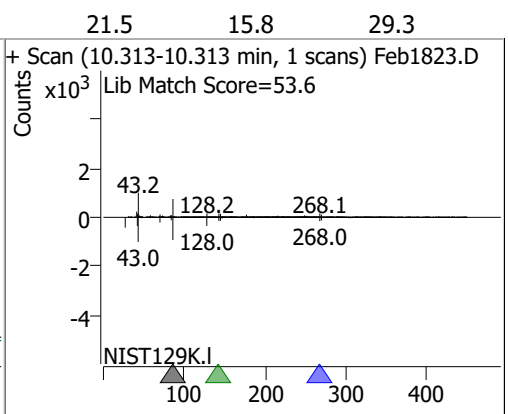




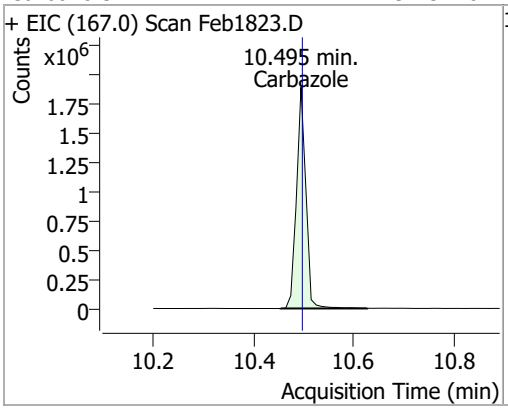
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	92.9791	10.31	0.00	594337	268.0	24.4	16.9	31.4
					143.0	21.5	15.8	29.3

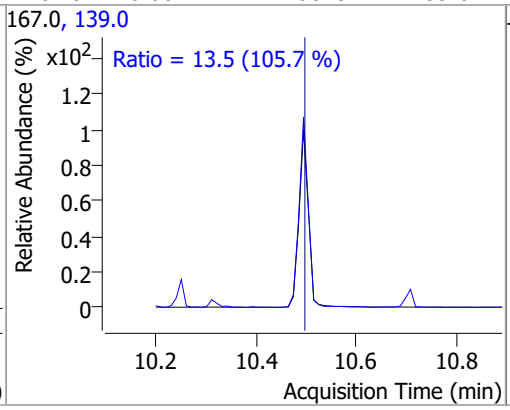


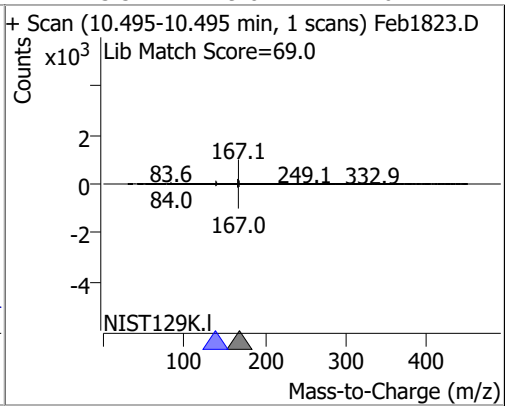




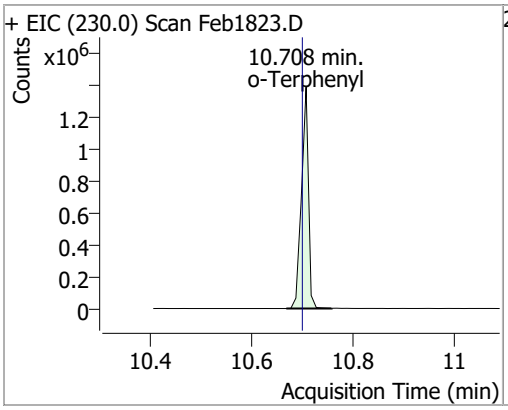
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	91.5270	10.49	0.00	2440073	139.0	13.5	9.0	16.7

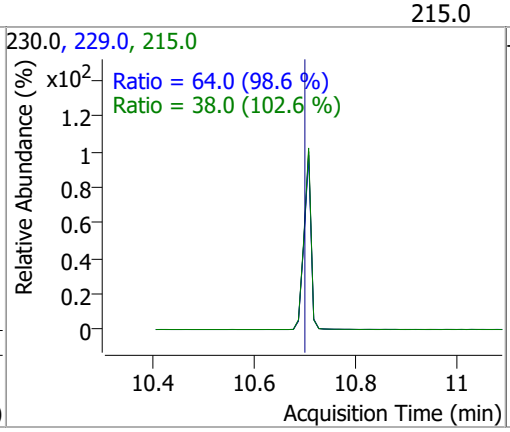


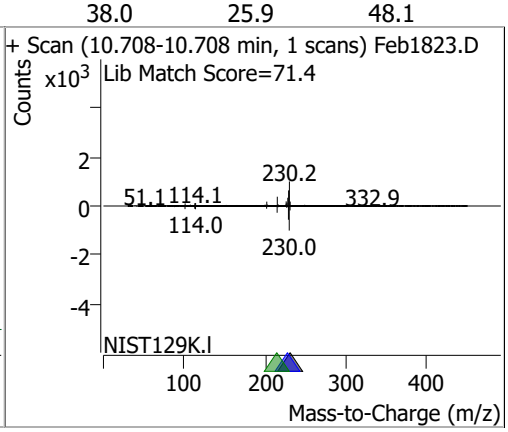




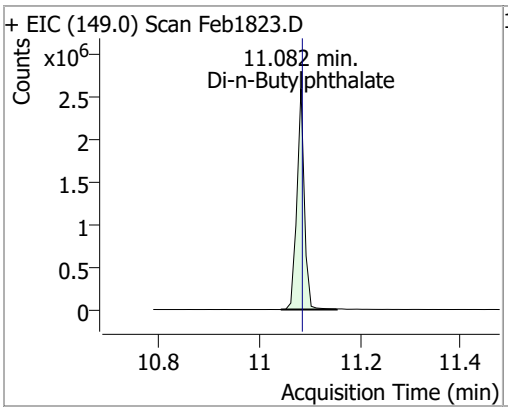
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	91.1958	10.71	0.01	1341460	229.0	64.0	45.4	84.3
					215.0	38.0	25.9	48.1

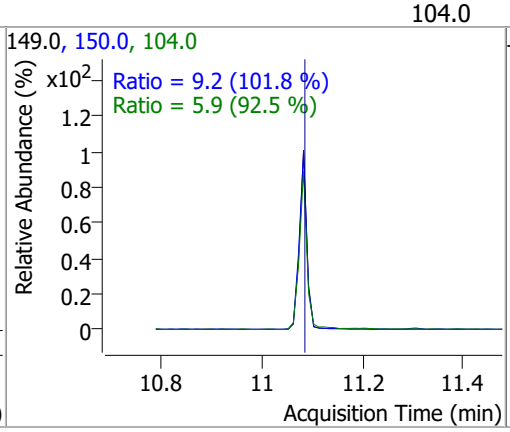


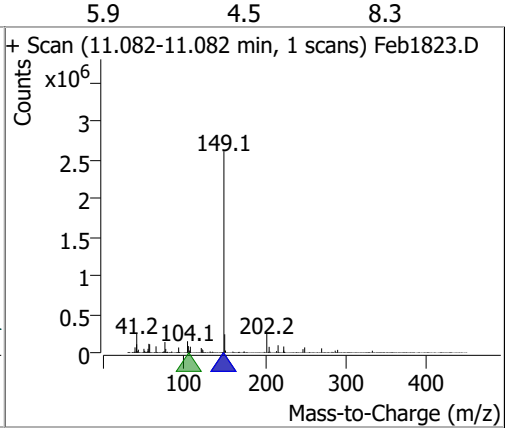




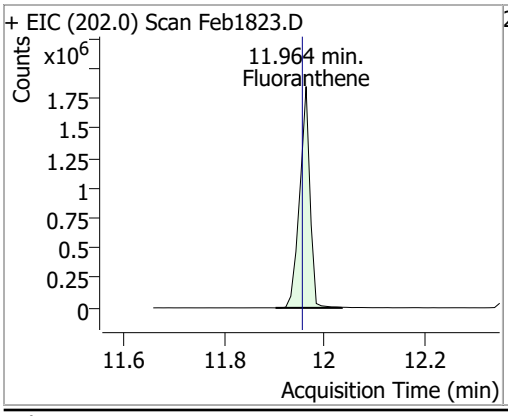
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	101.6488	11.08	0.00	2672327	150.0	9.2	6.3	11.8
					104.0	5.9	4.5	8.3

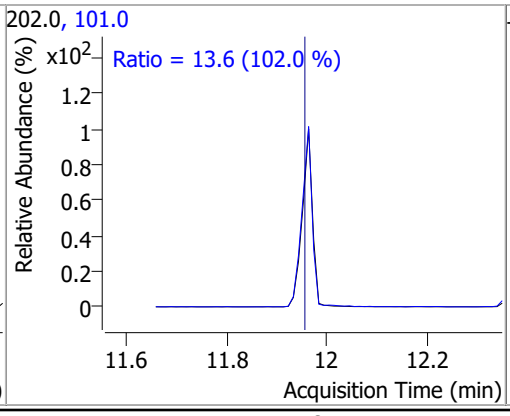


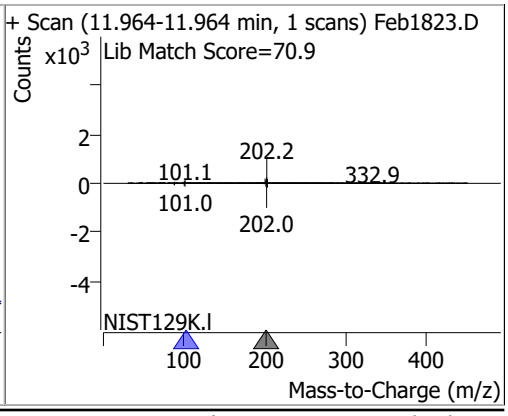




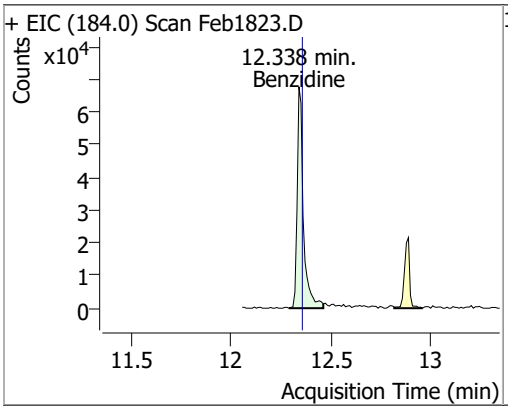
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	93.9736	11.96	0.01	2620857	101.0	13.6	9.4	17.4

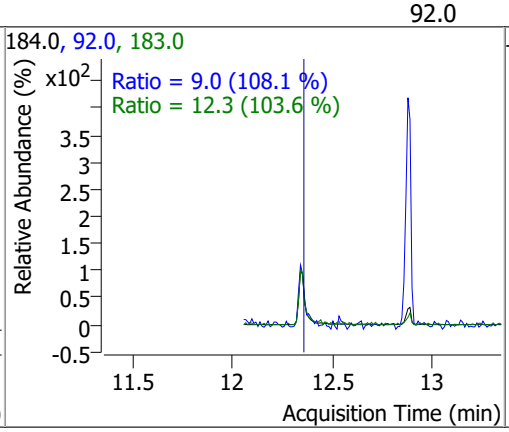


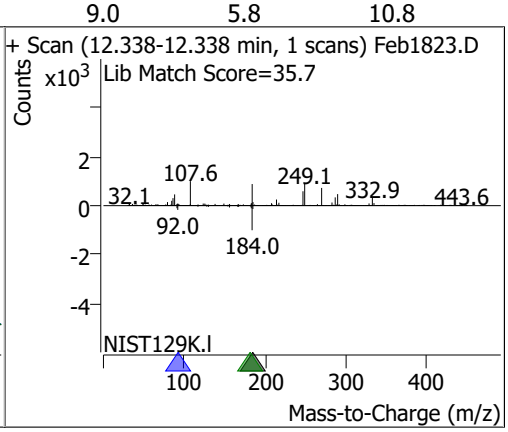




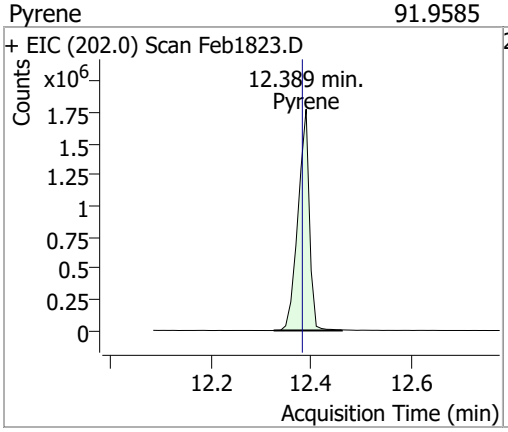
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	14.8544	12.34	-0.01	145874	183.0	12.3	8.3	15.4
					92.0	9.0	5.8	10.8

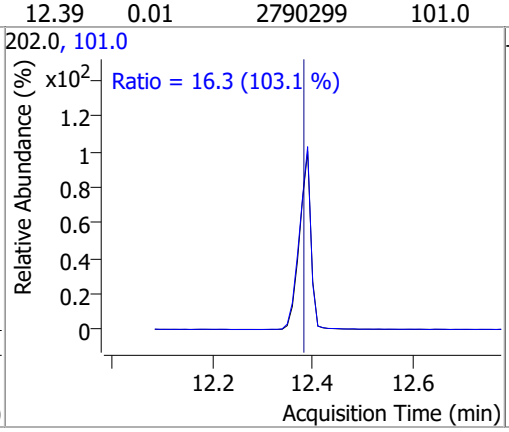


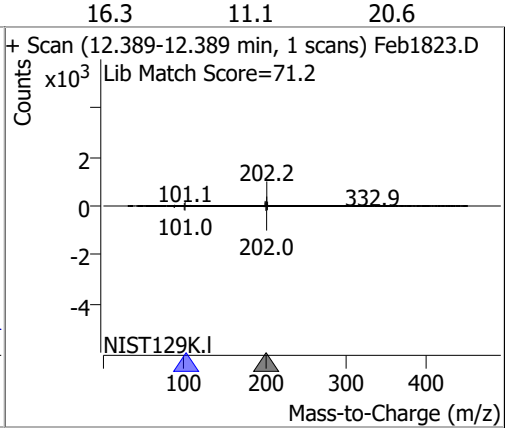




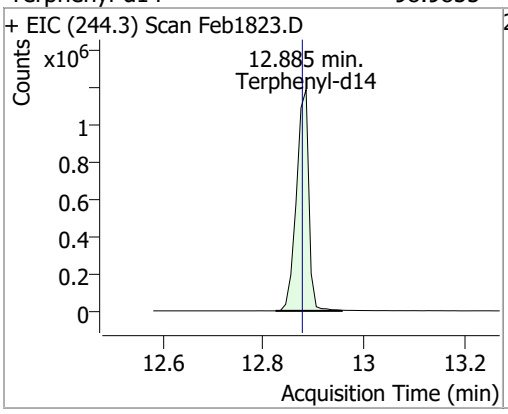
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	91.9585	12.39	0.01	2790299	101.0	16.3	11.1	20.6

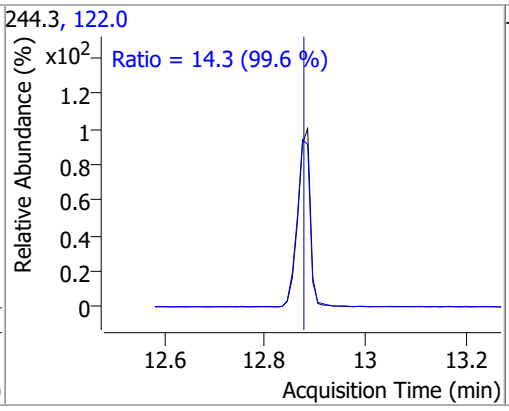


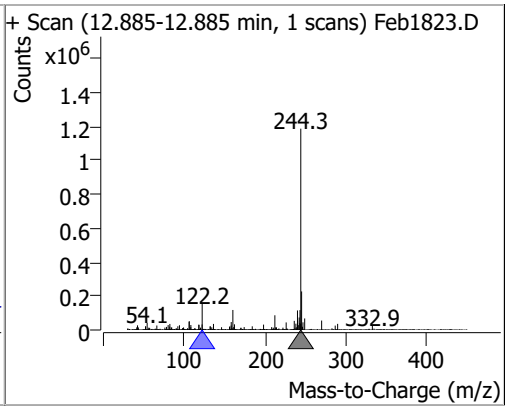




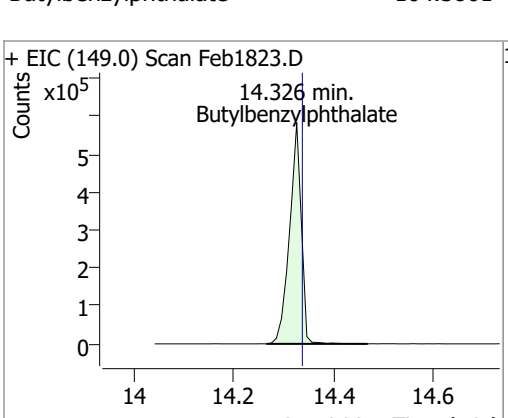
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	98.9855	12.89	0.01	2024497	122.0	14.3	10.1	18.7

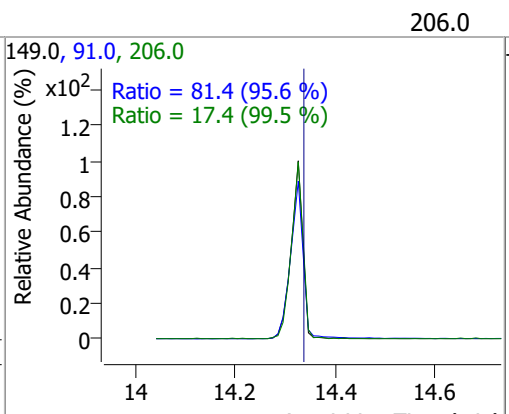


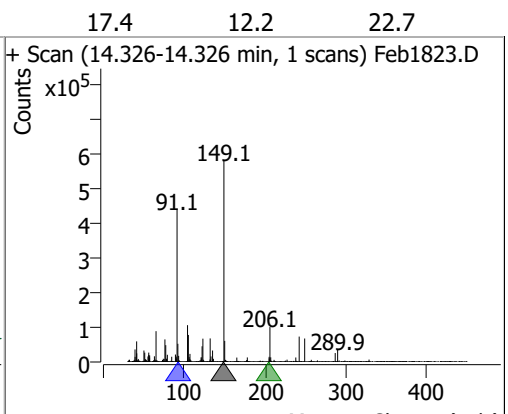




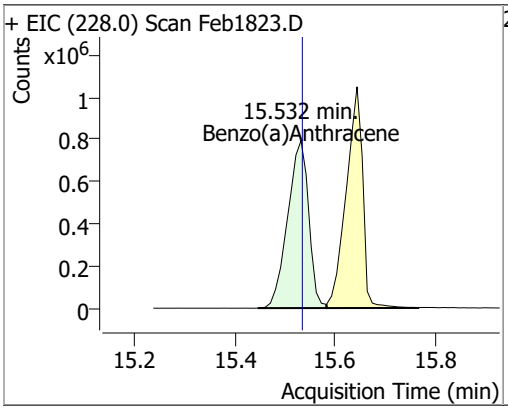
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	104.3801	14.33	0.01	958563	91.0	81.4	59.6	110.6
					206.0	17.4	12.2	22.7

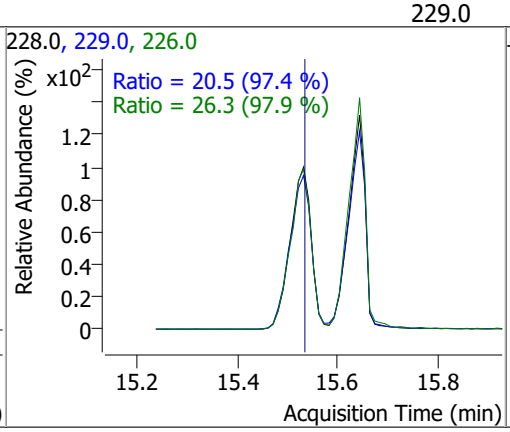


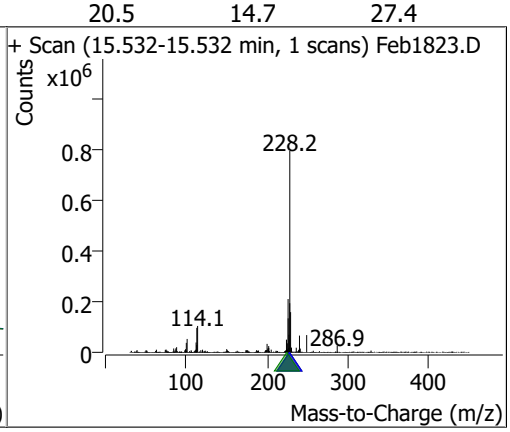




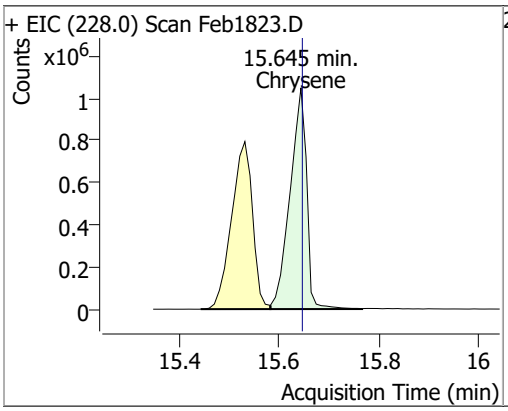
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	102.5673	15.53	0.02	2309881	226.0	26.3	18.8	34.9
					229.0	20.5	14.7	27.4

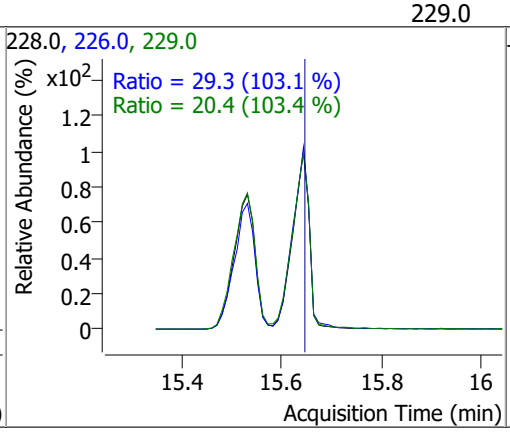


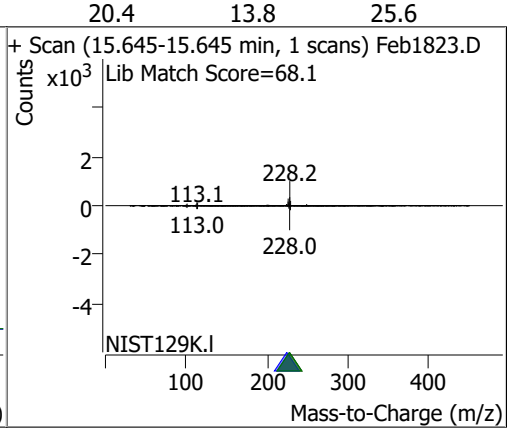




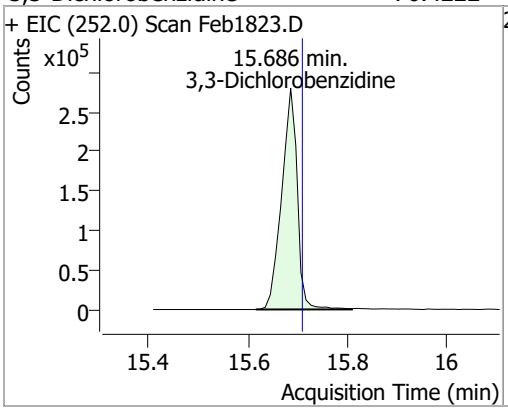
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	96.5811	15.64	0.02	2416068	226.0	29.3	19.9	36.9
					229.0	20.4	13.8	25.6

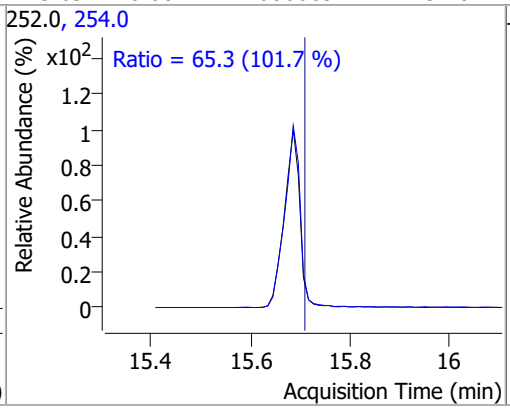


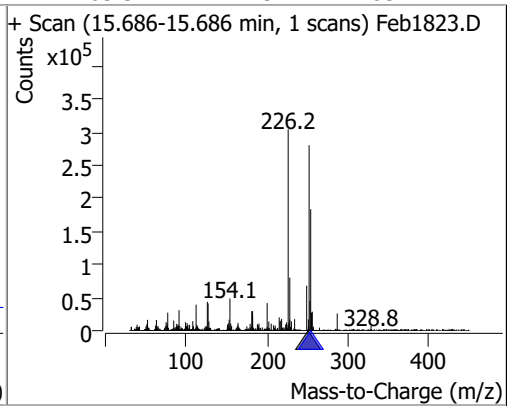




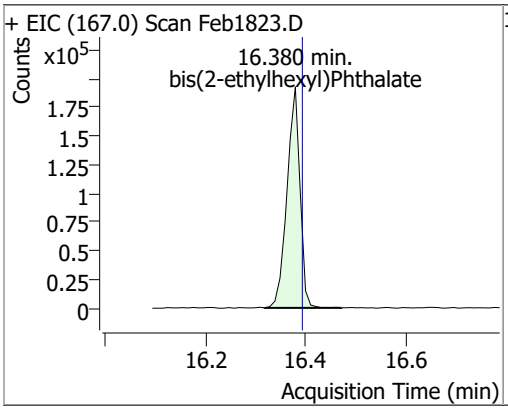
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	76.4222	15.69	0.00	606689	254.0	65.3	44.9	83.4

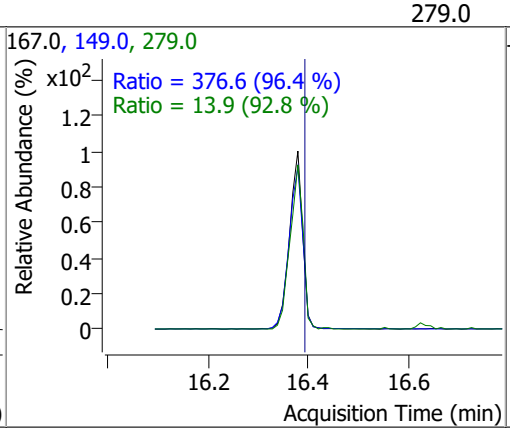


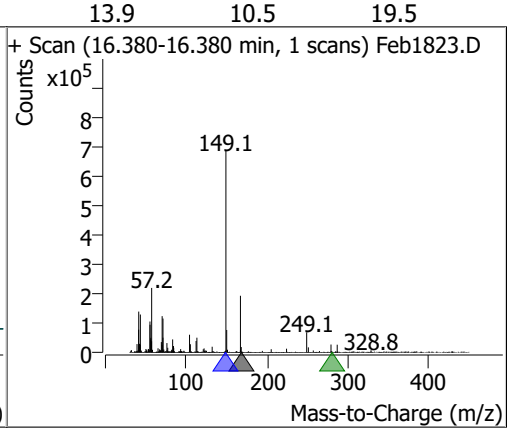




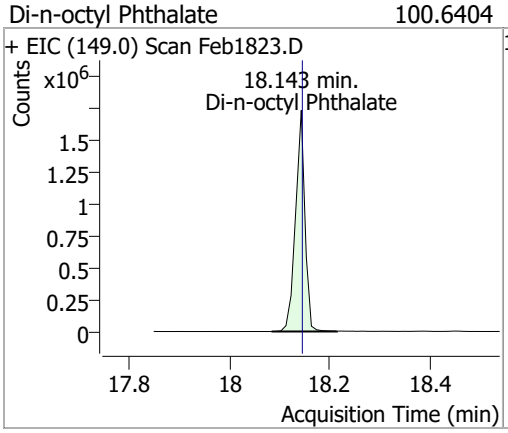
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	108.0315	16.38	0.01	347027	149.0	376.6	273.6	508.0
					279.0	13.9	10.5	19.5

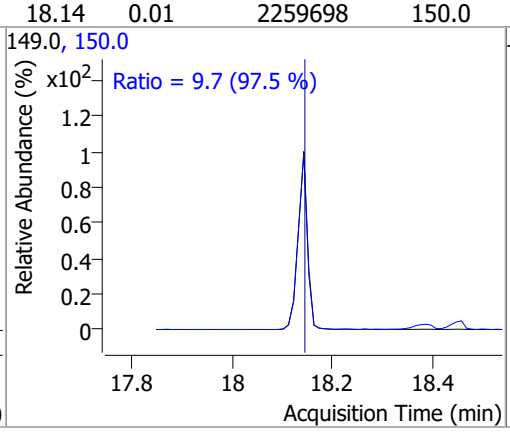


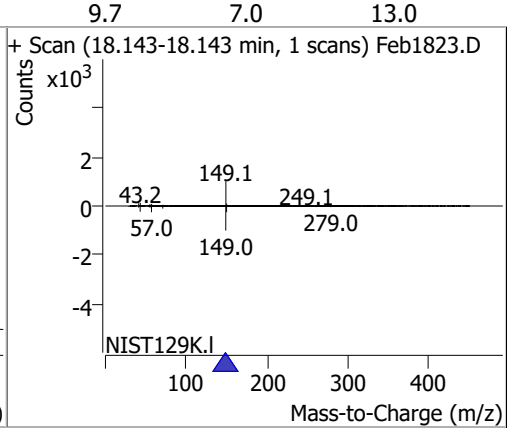




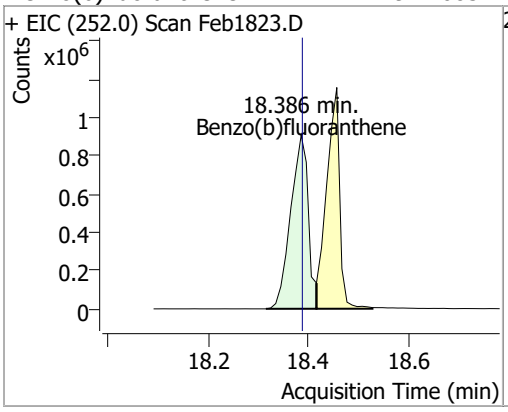
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	100.6404	18.14	0.01	2259698	150.0	9.7	7.0	13.0

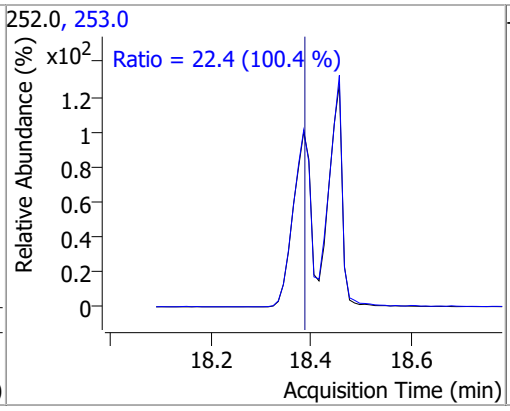


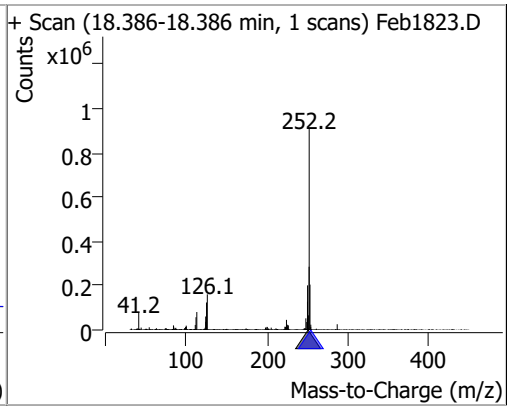




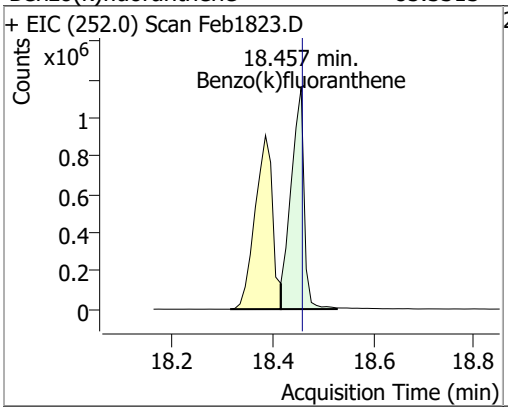
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	94.7083	18.39	0.01	2187967	253.0	22.4	15.6	29.0

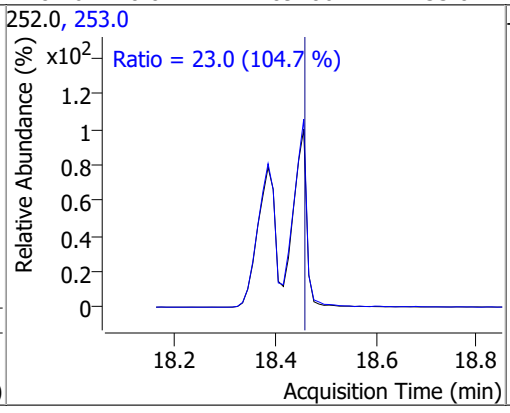


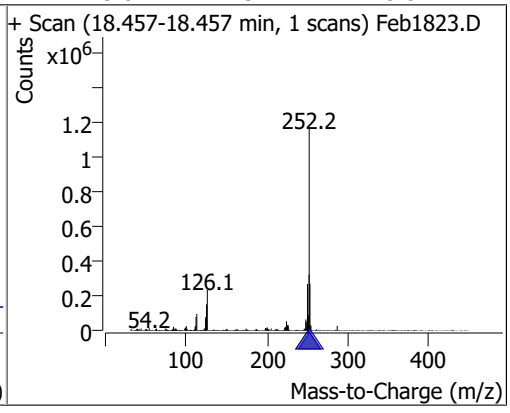




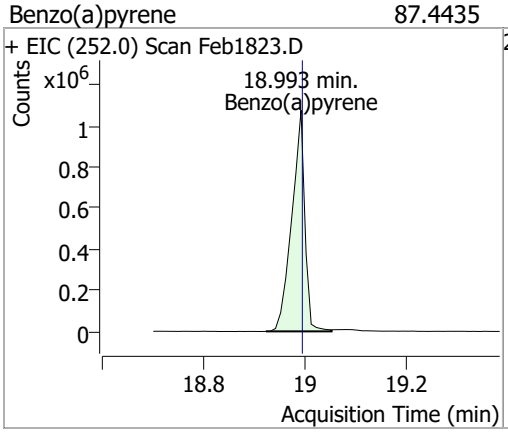
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	85.3313	18.46	0.01	2091061	253.0	23.0	15.4	28.6

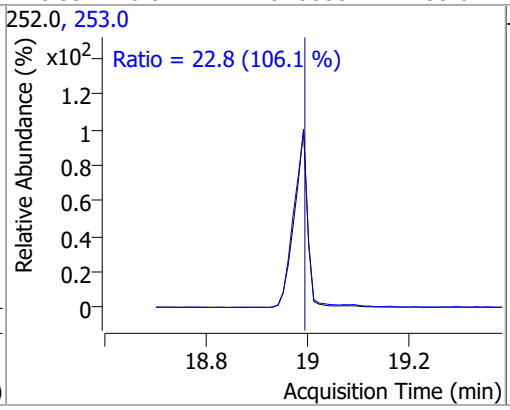


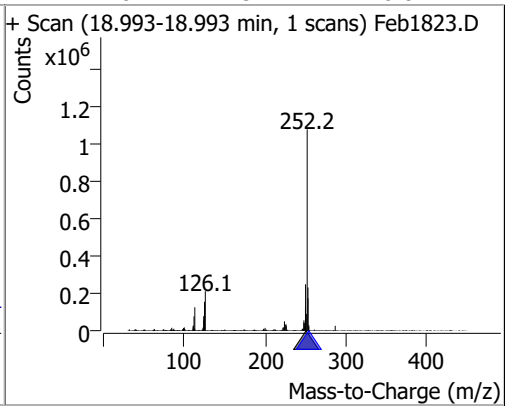




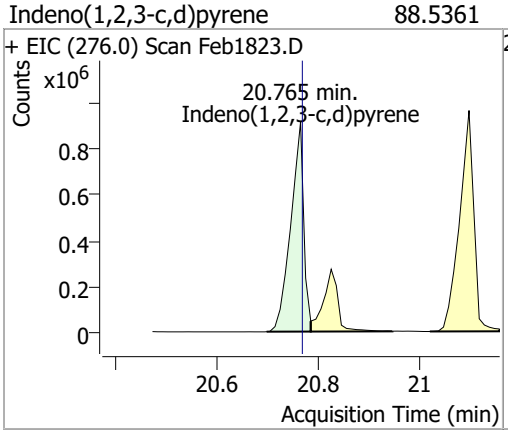
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	87.4435	18.99	0.01	1928088	253.0	22.8	15.1	28.0

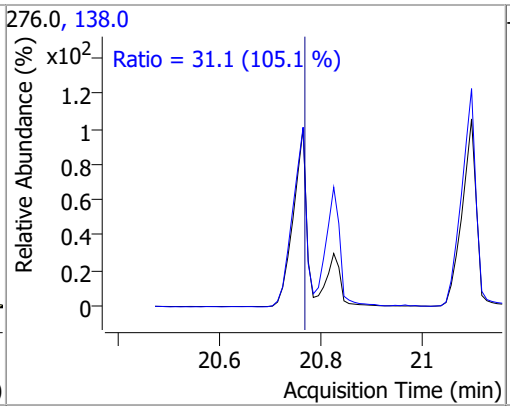


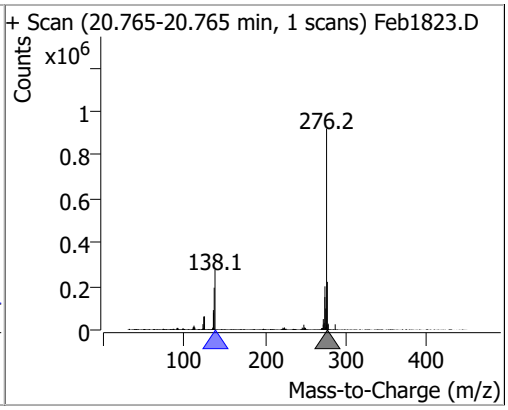




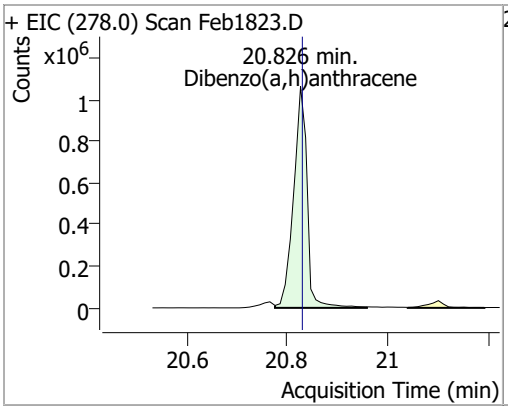
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	88.5361	20.77	0.01	1636496	138.0	31.1	20.7	38.5

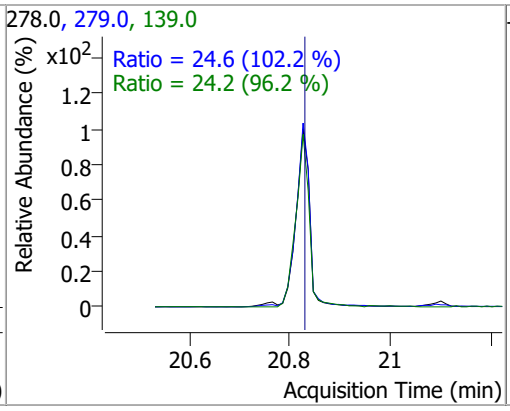


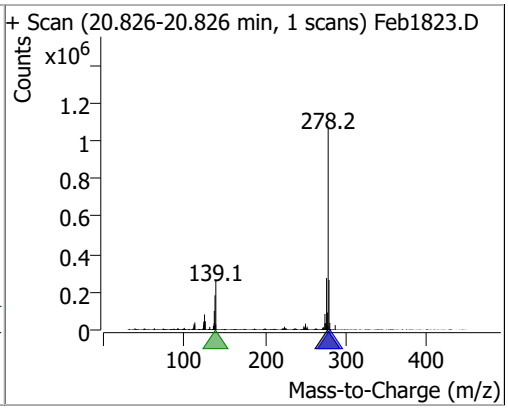




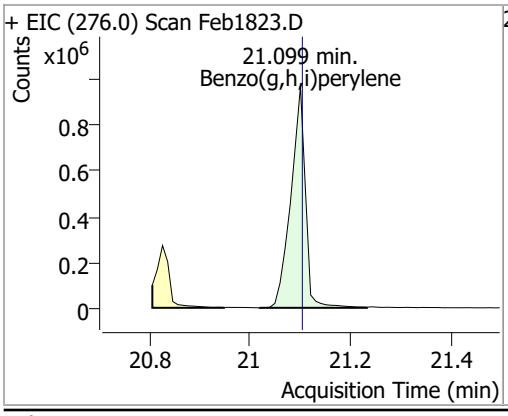
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	98.3189	20.83	0.01	1980219	139.0	24.2	17.6	32.7
					279.0	24.6	16.9	31.3

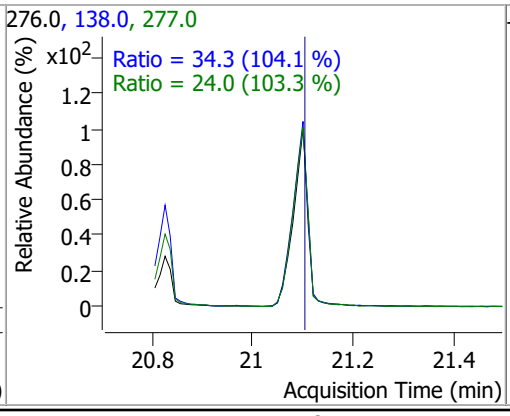


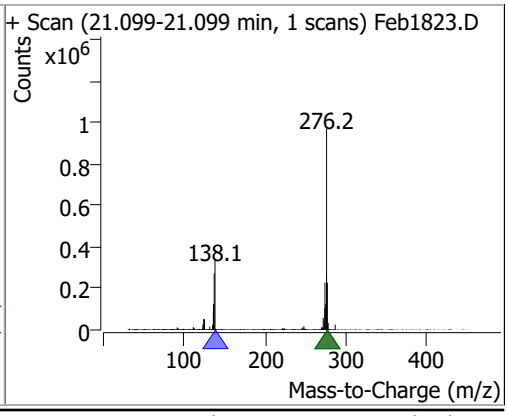




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	91.2970	21.10	0.01	1946027	138.0	34.3	23.1	42.9
					277.0	24.0	16.3	30.2

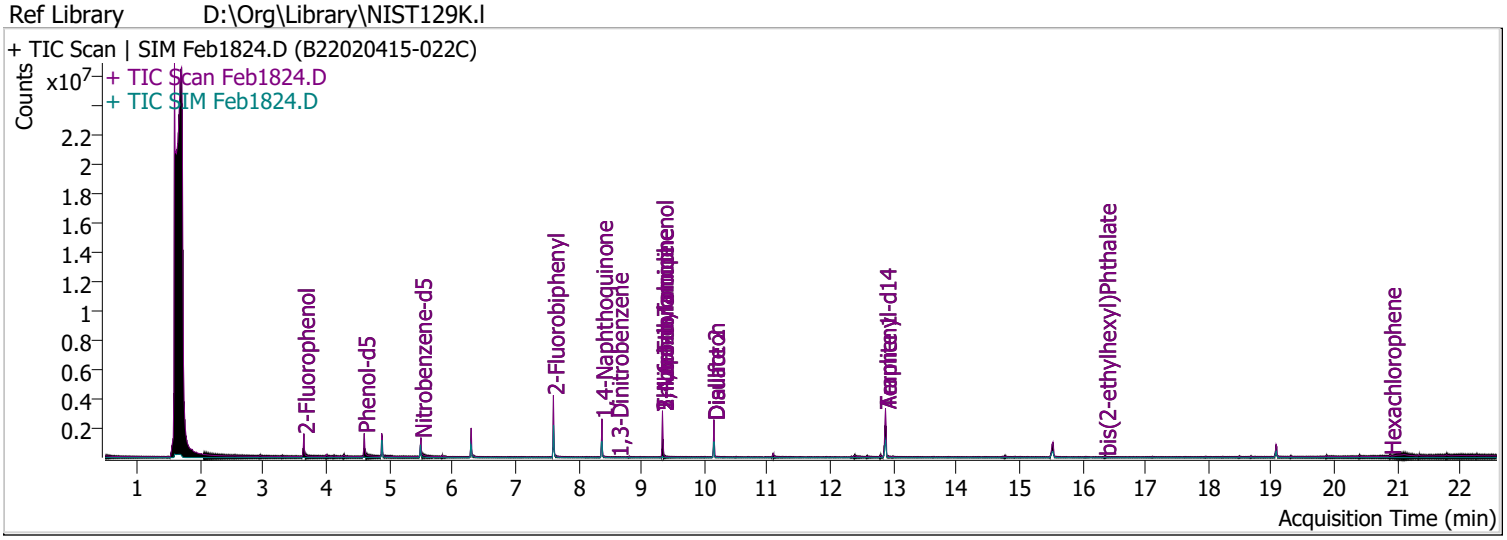






Quantitation Results Report (QT Reviewed)

Data File	Feb1824.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 8:24:47 PM
Sample Name	B22020415-022C	Instrument	Instrument #1
Vial	24	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



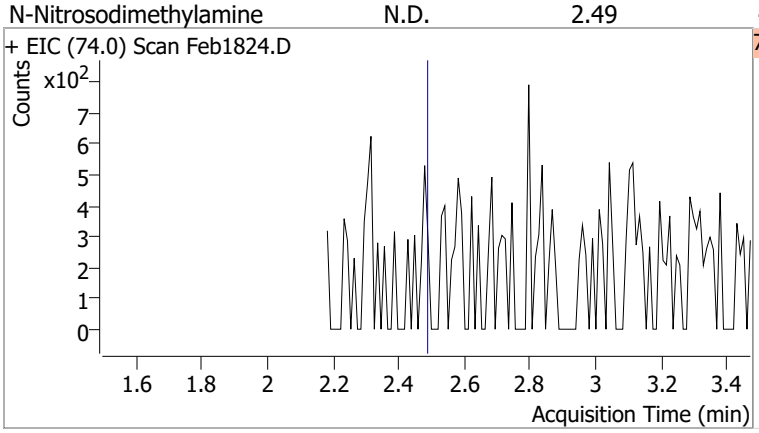
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	522000	65.9730	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 32.99%			
S Phenol-d5	4.603	99.0	624285	60.8729	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 30.44%			
S Nitrobenzene-d5	5.502	82.0	399403	70.1198	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 70.12%			
S 2-Fluorobiphenyl	7.605	172.0	1295160	77.0531	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 77.05%			
S 2,4,6-Tribromophenol	9.336	329.8	276292	172.6317	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 86.32%			
S Terphenyl-d14	12.875	244.3	1817841	110.8779	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 110.88%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.			
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

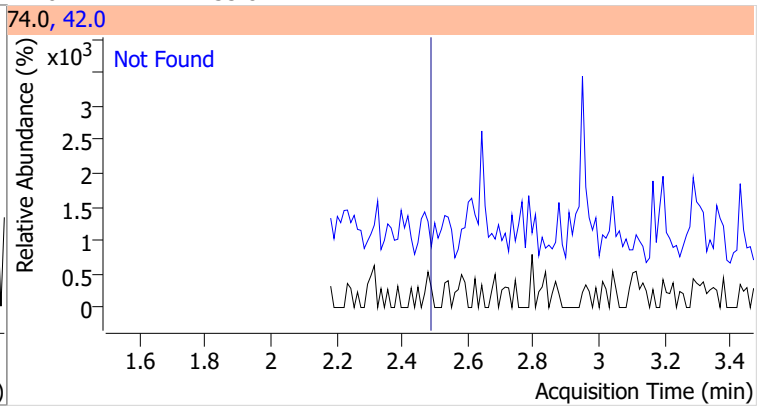
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	0.000		0	N.D.			
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	16.360	167.0	5177	3.5303	µg/L		98
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

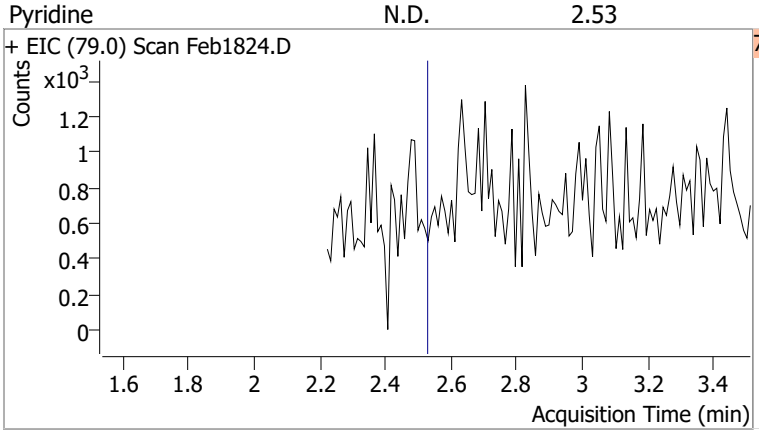
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

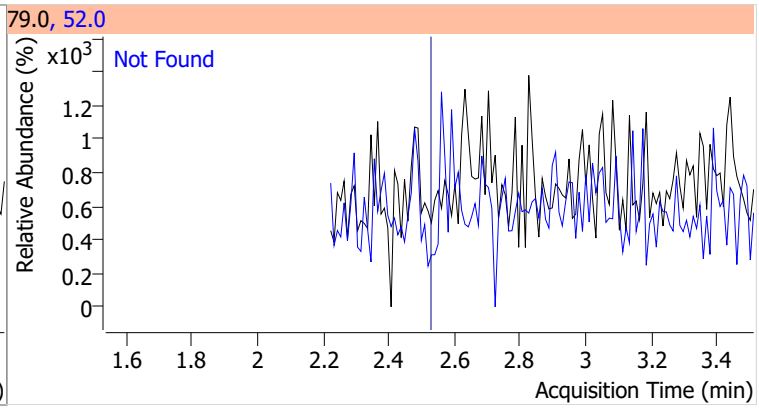
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



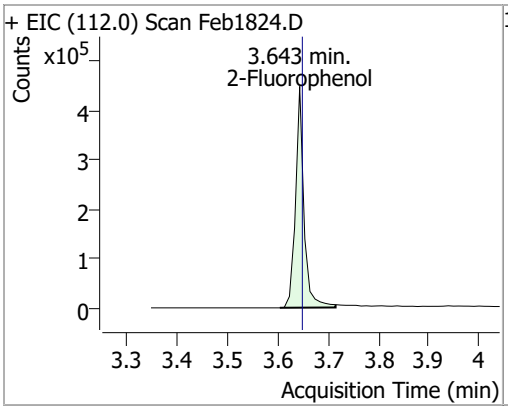


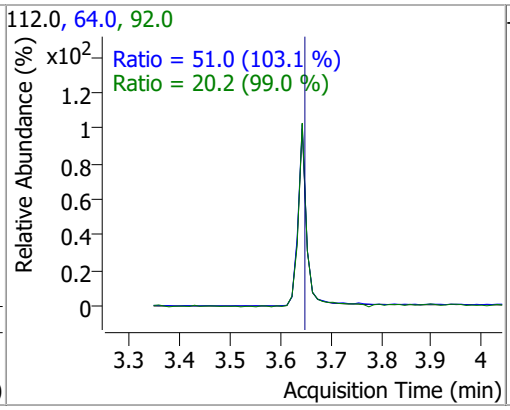
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

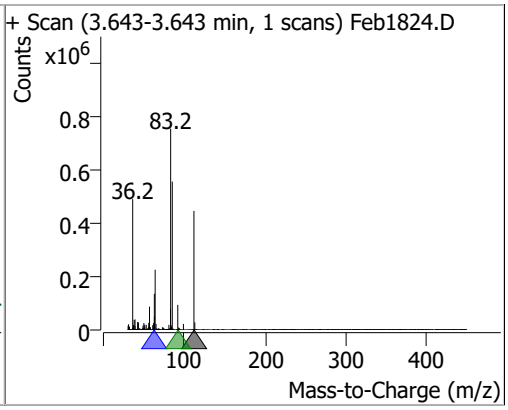




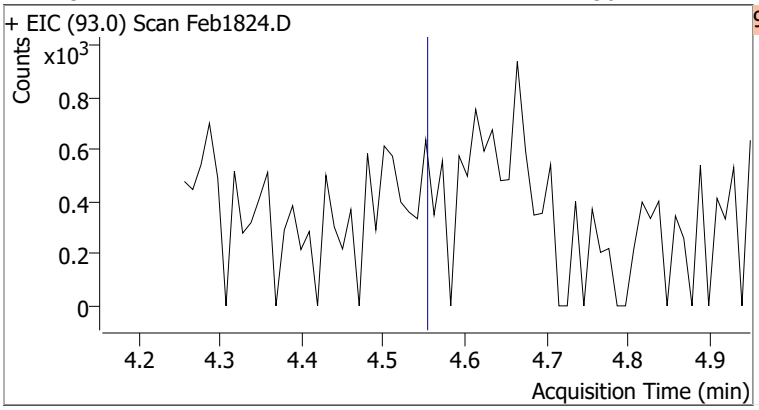
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	65.9730	3.64	-0.01	522000	64.0	51.0	34.6	64.3
					92.0	20.2	14.2	26.5

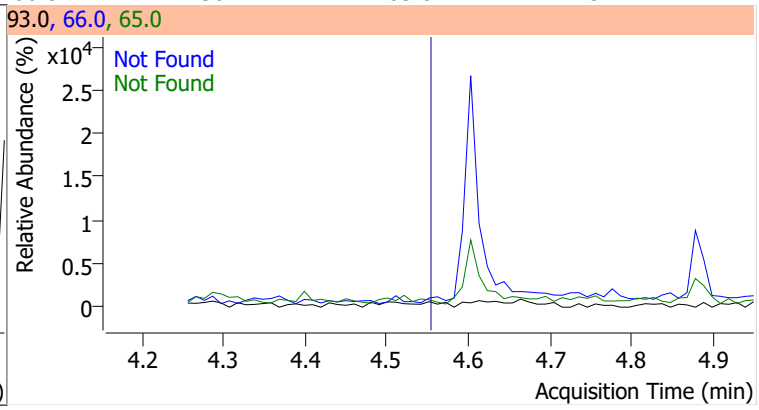




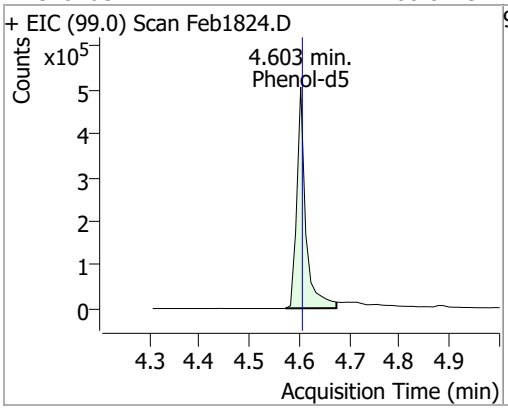


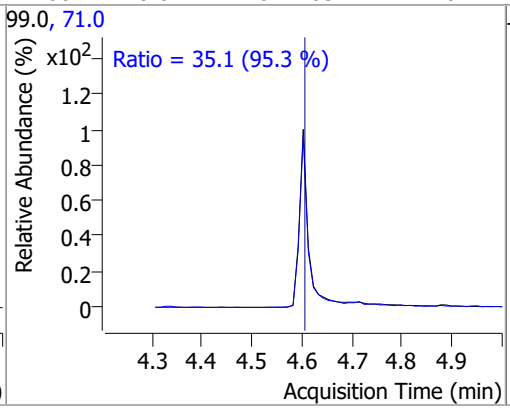
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

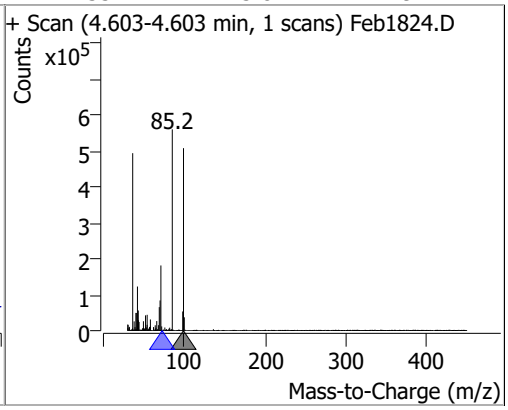




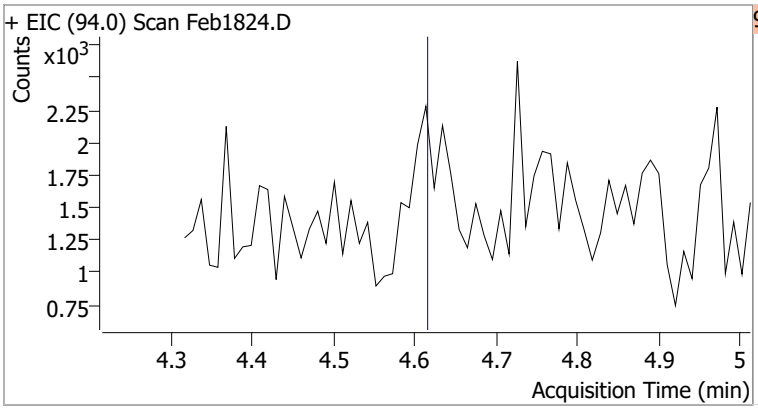
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	60.8729	4.60	-0.01	624285	71.0	35.1	25.8	47.9

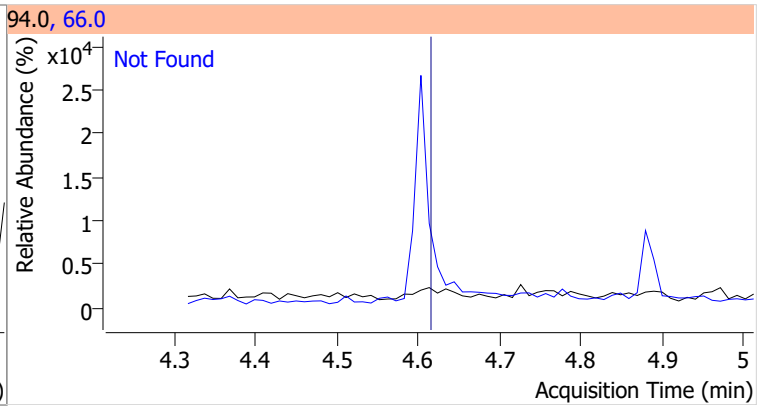




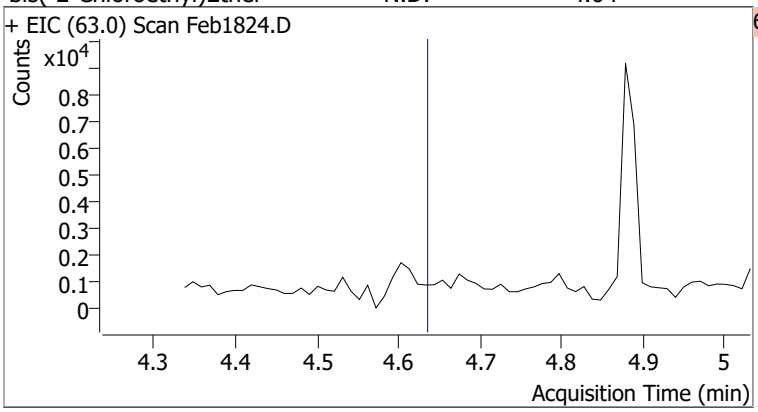


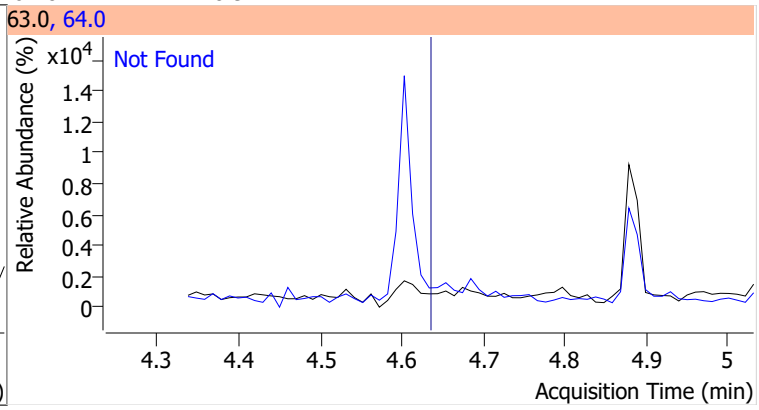
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



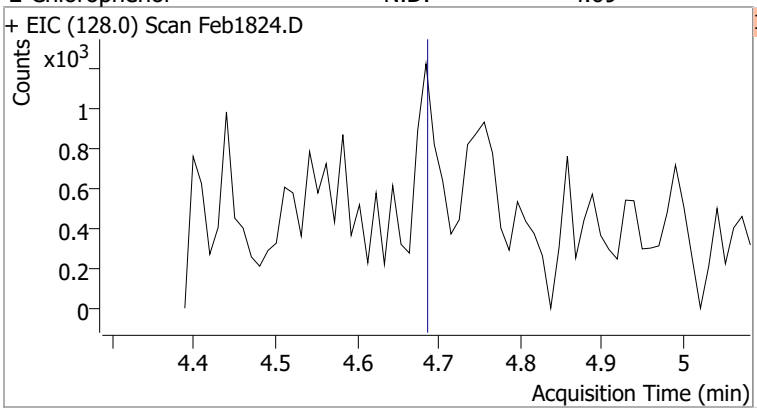


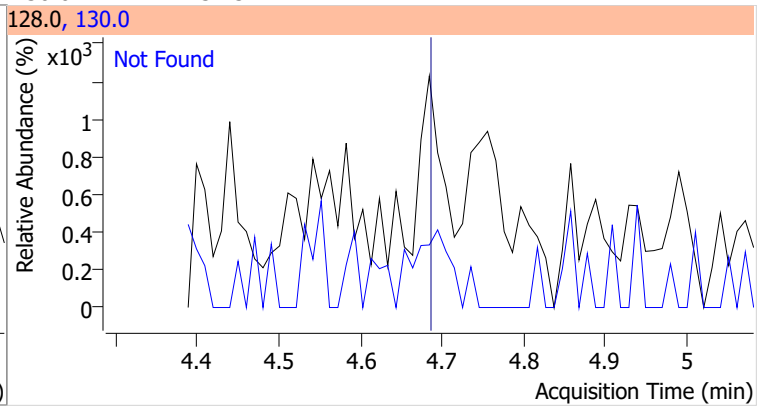
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



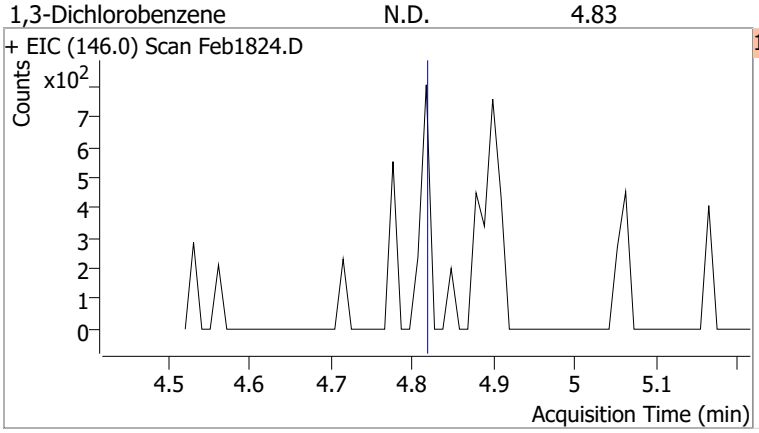


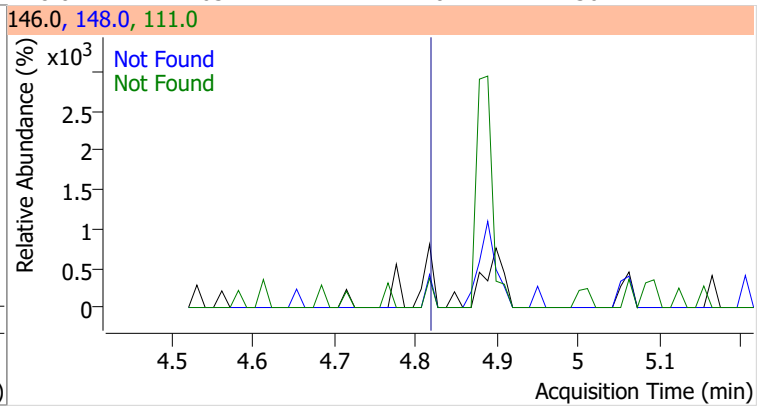
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



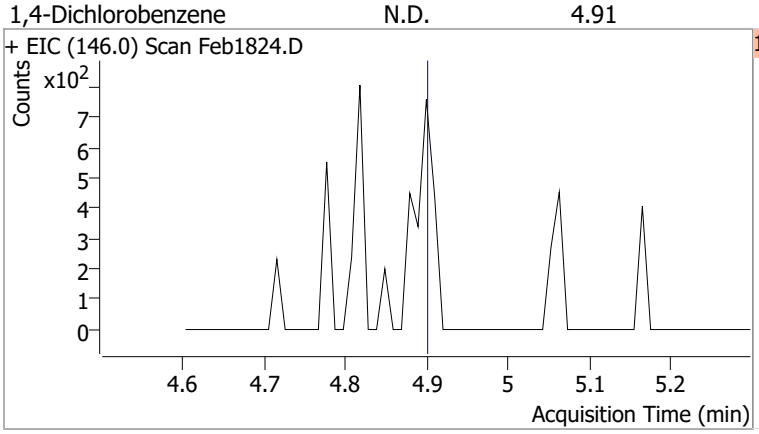


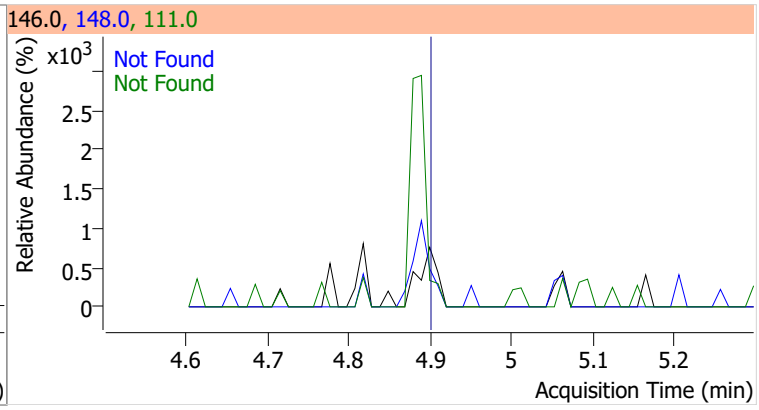
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



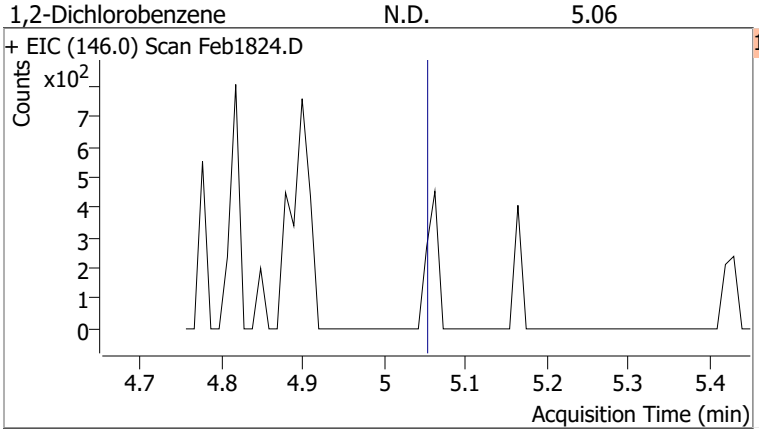


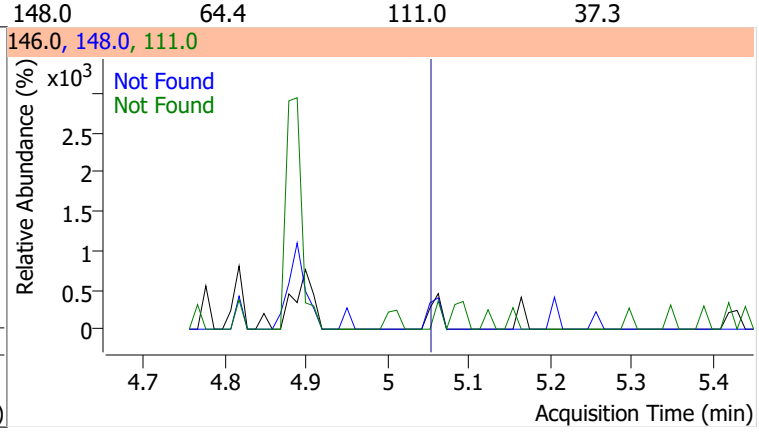
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



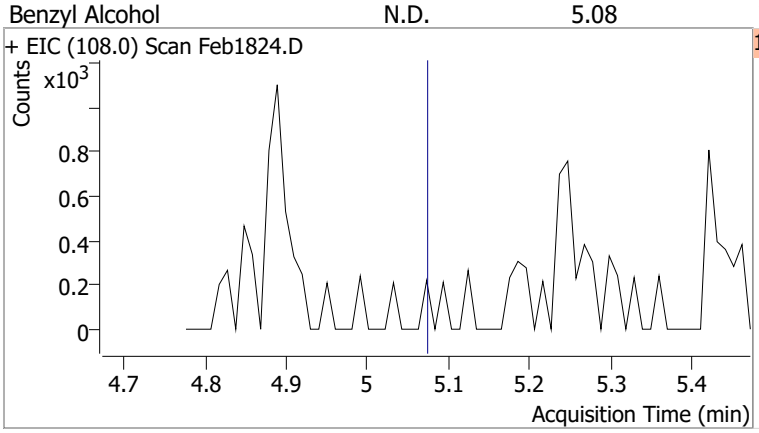


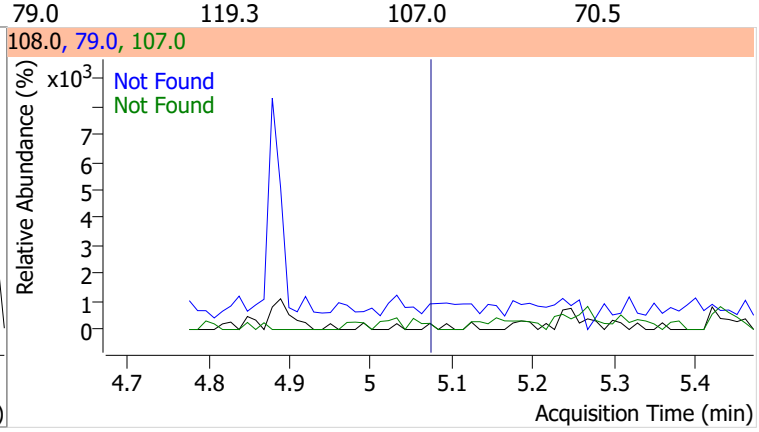
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



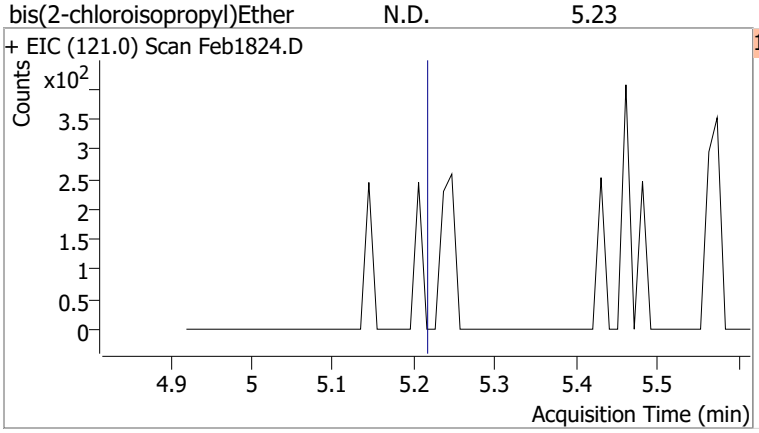


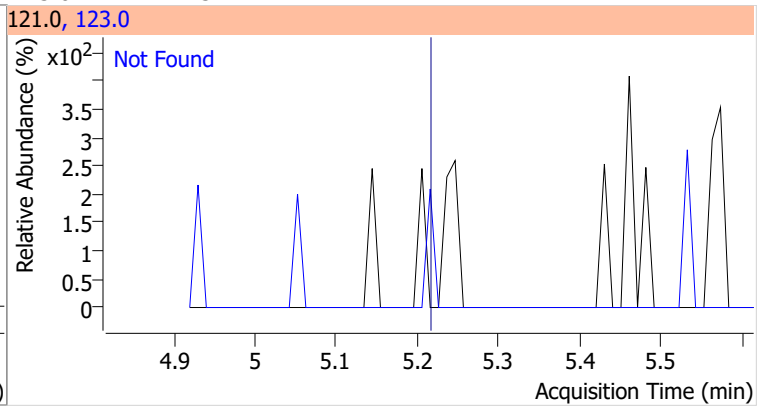
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



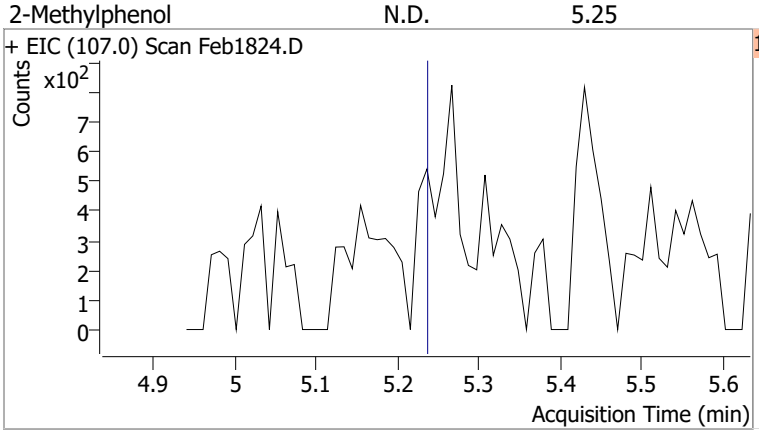


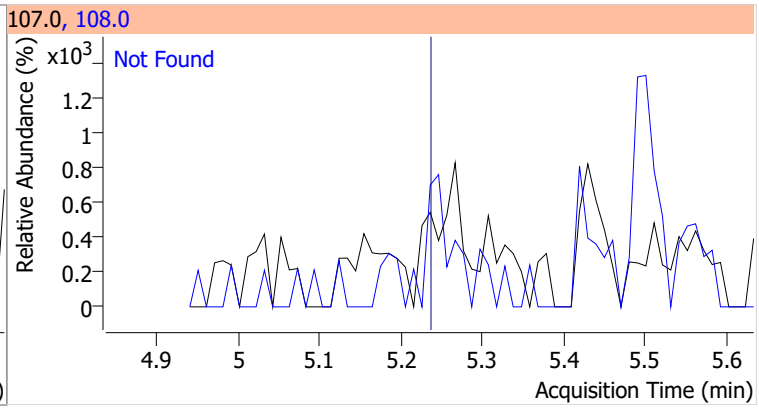
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



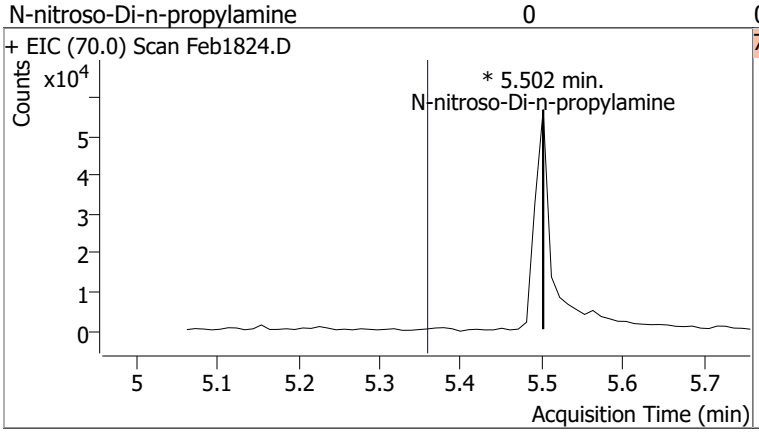


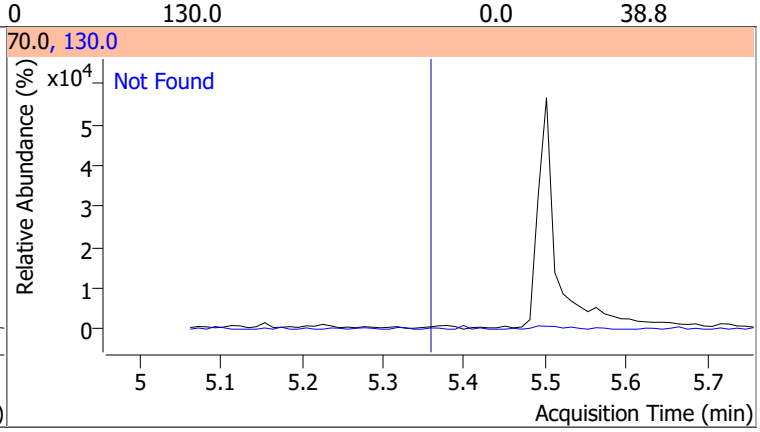
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



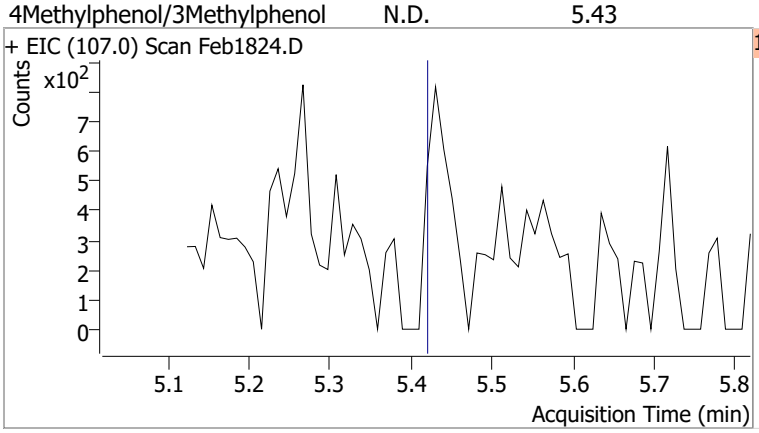


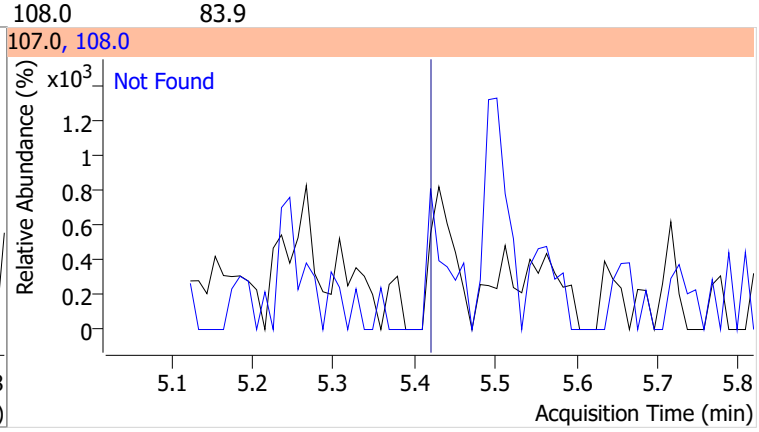
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



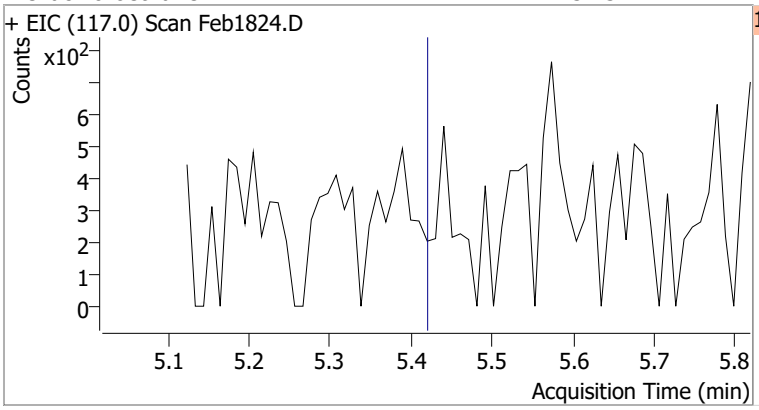


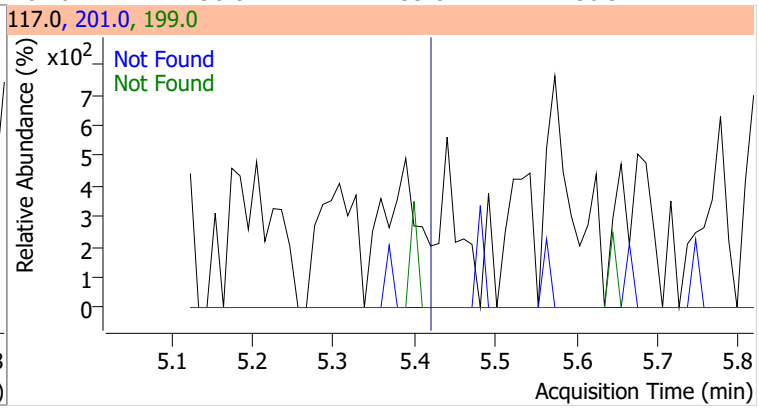
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



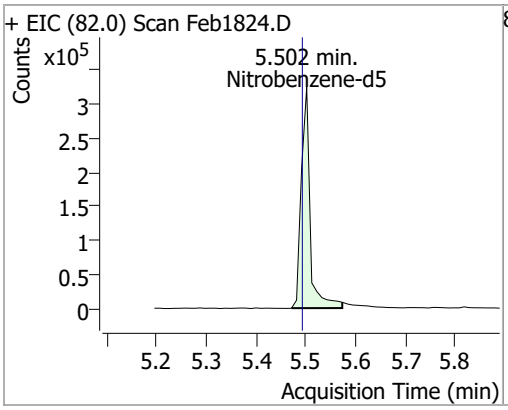


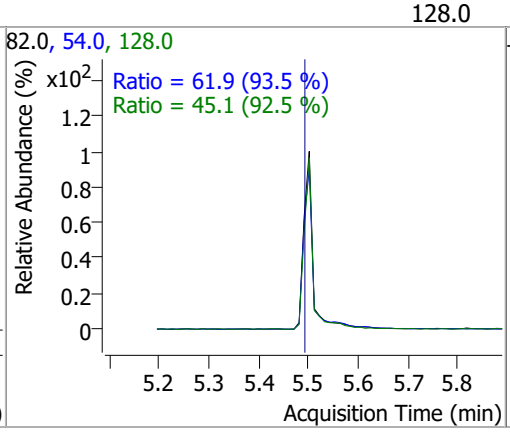
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

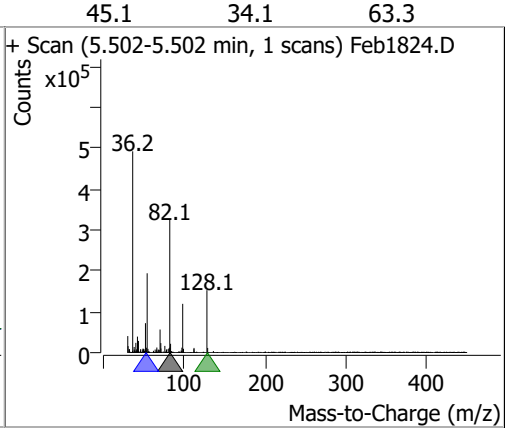




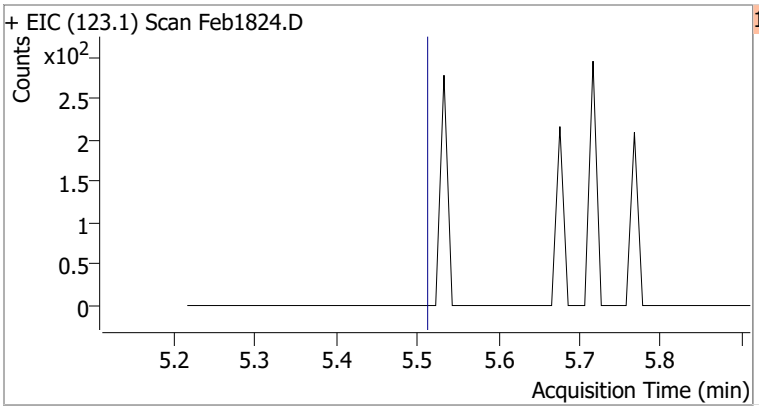
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	70.1198	5.50	0.00	399403	54.0	61.9	46.3	86.0
					128.0	45.1	34.1	63.3

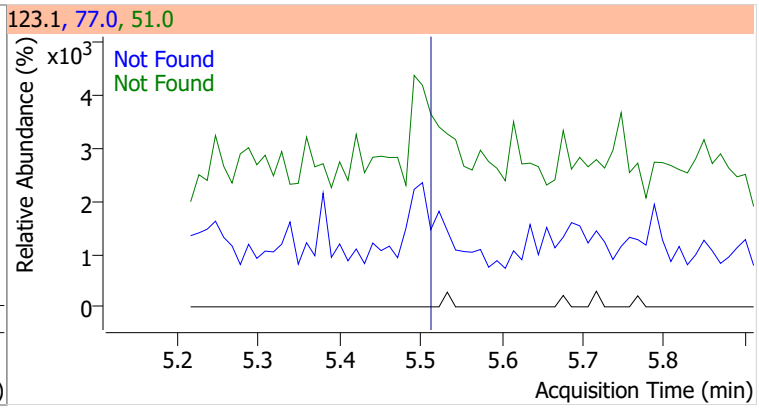




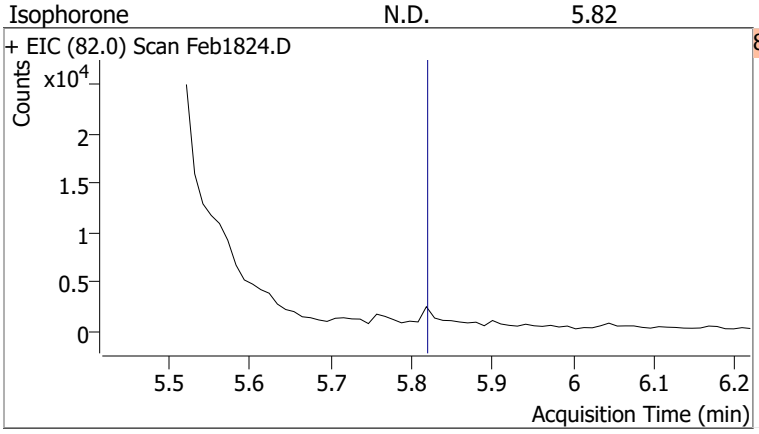


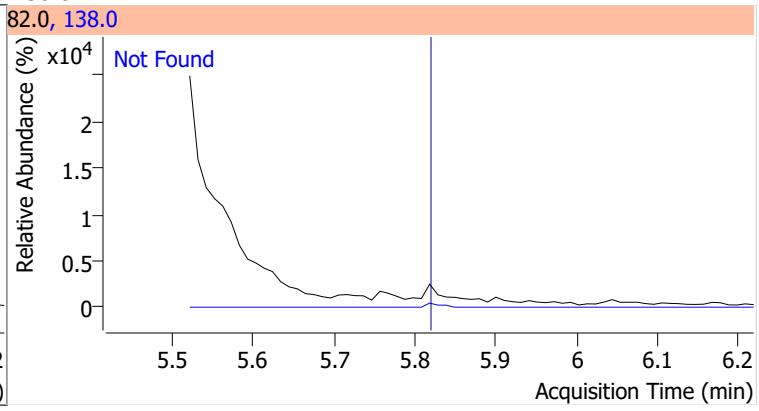
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



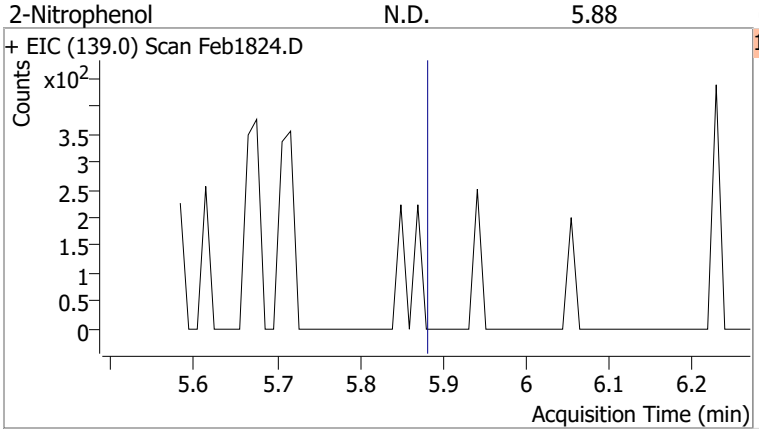


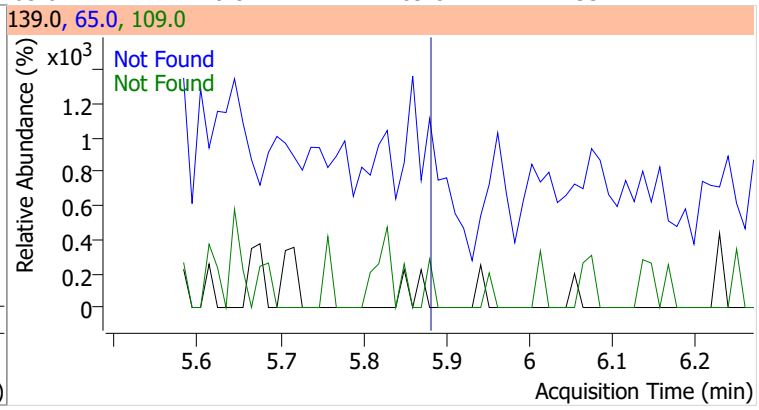
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



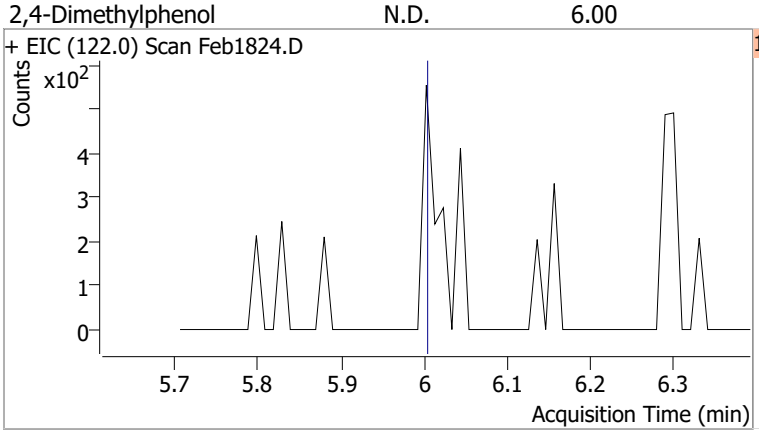


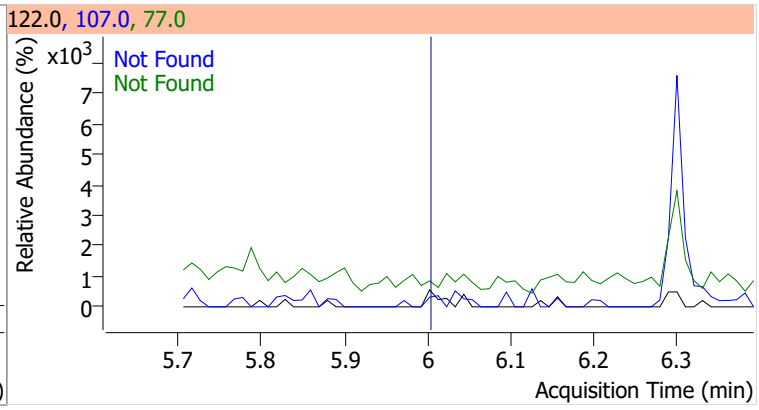
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



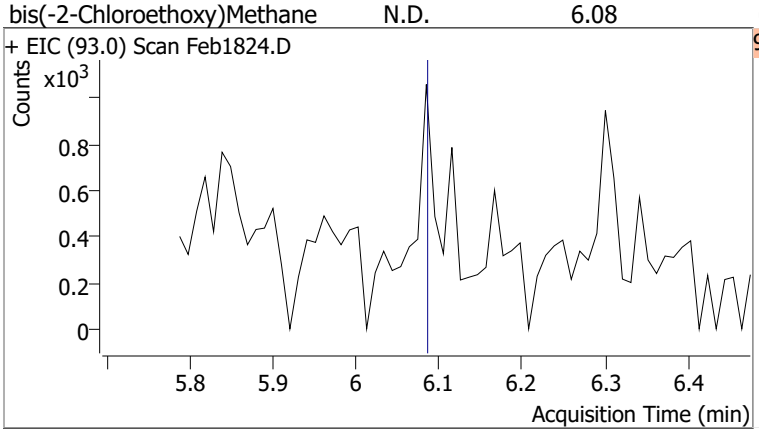


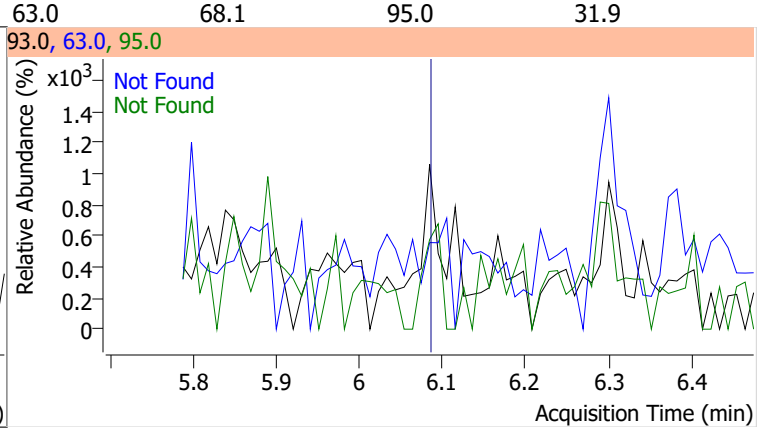
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



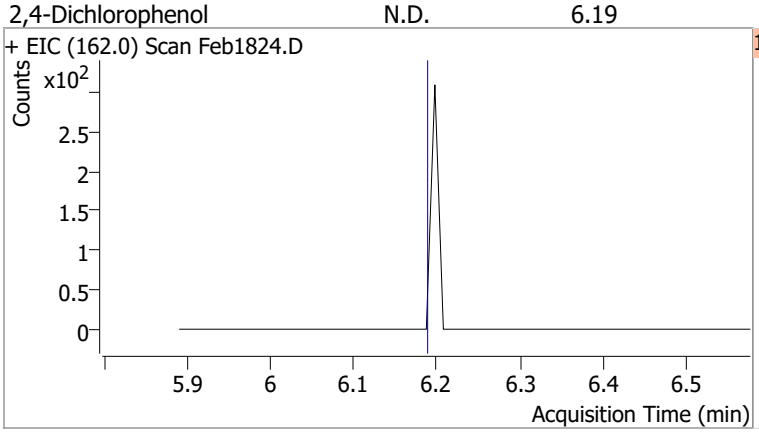


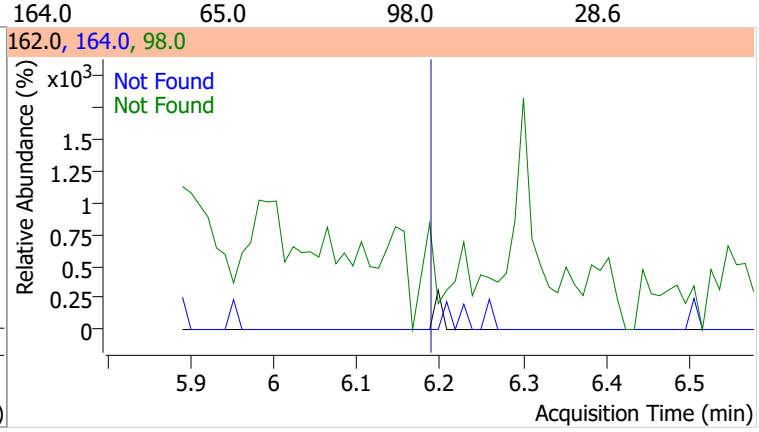
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



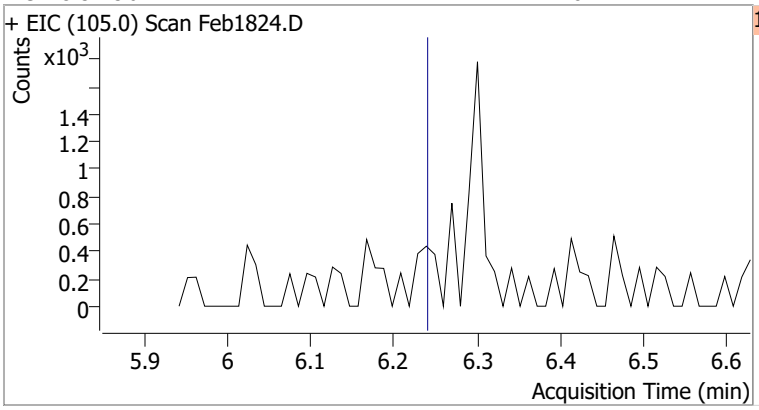


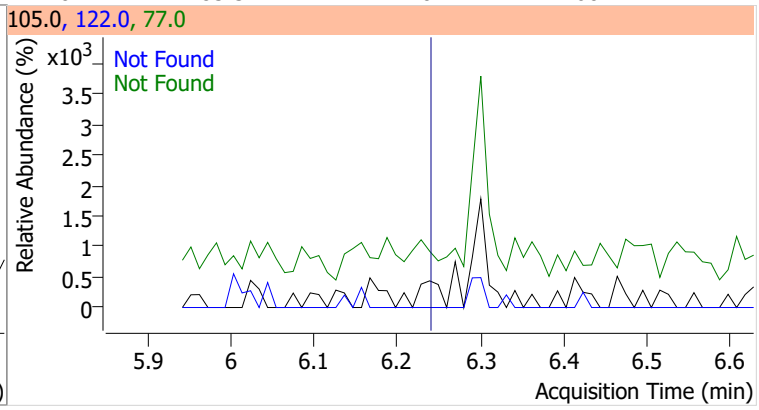
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



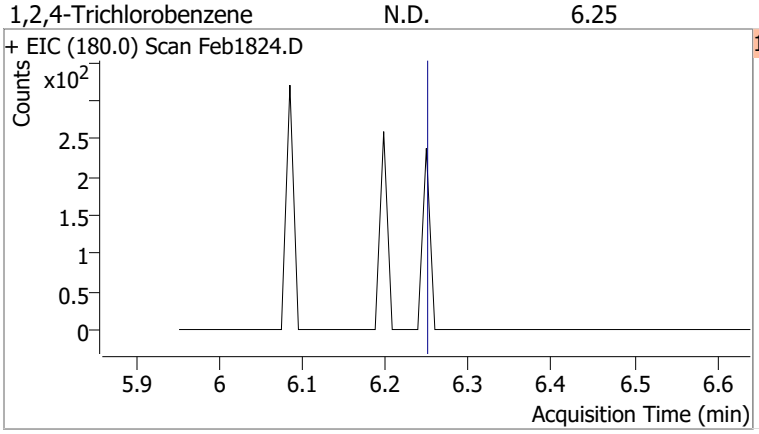


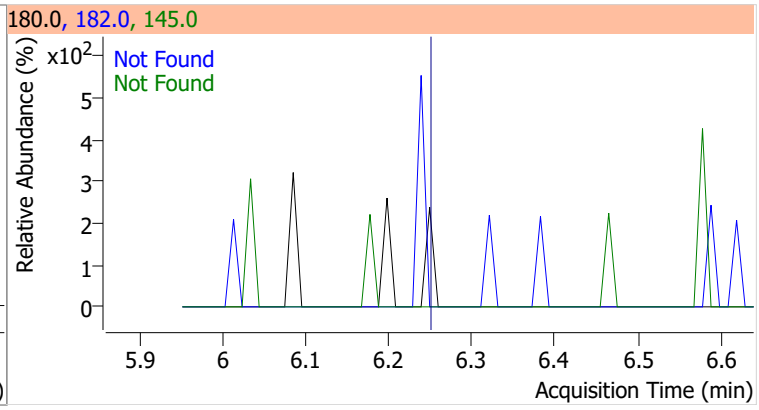
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



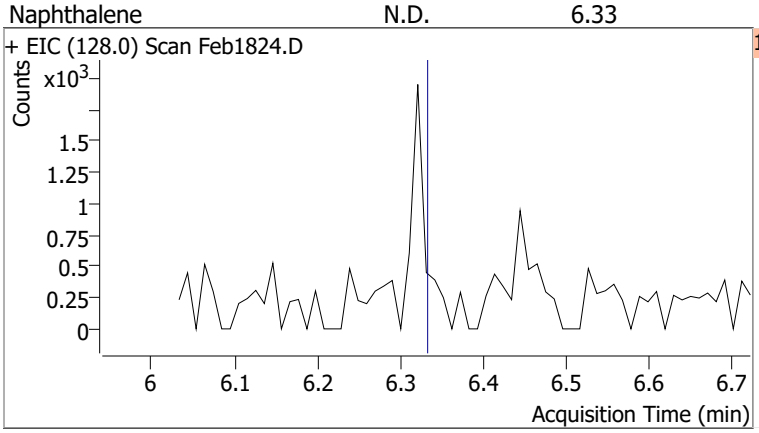


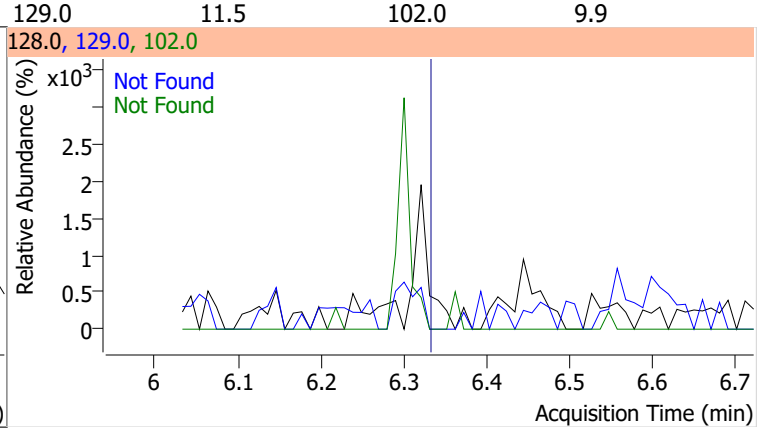
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



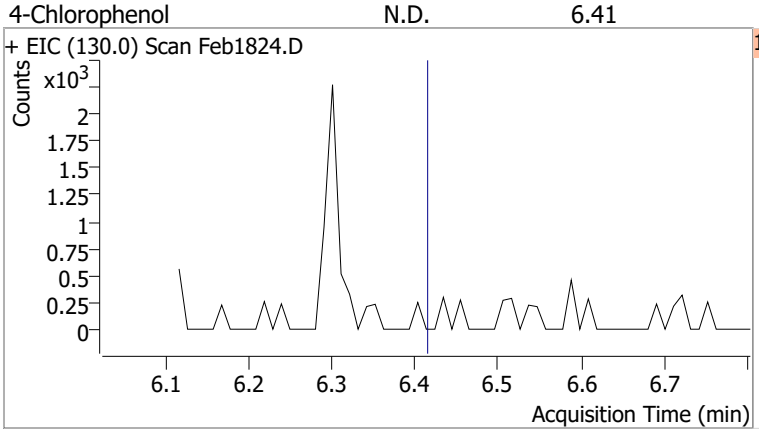


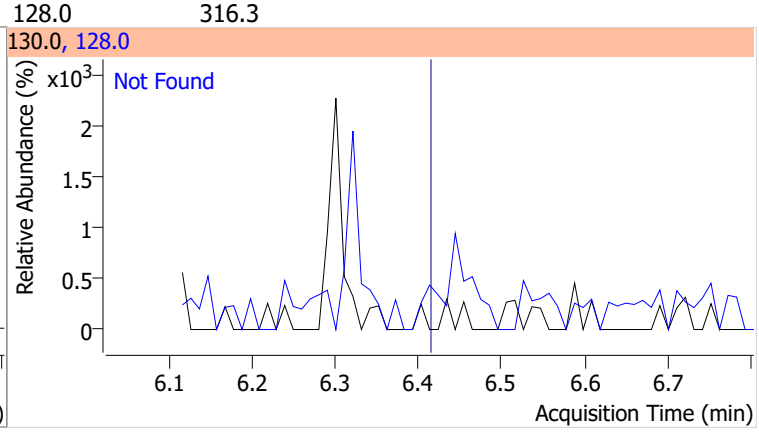
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



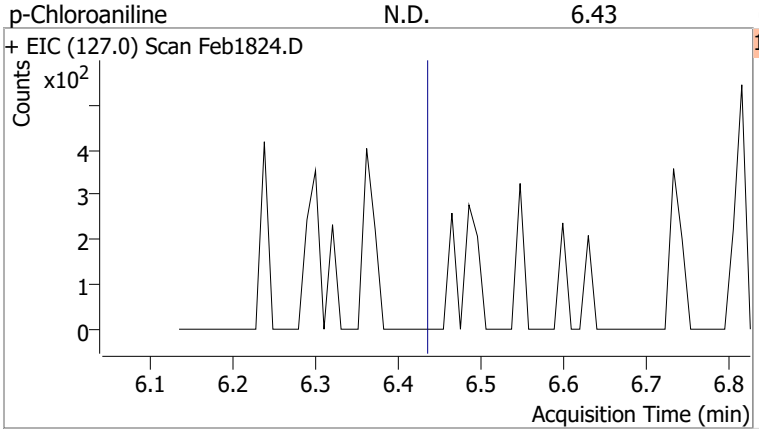


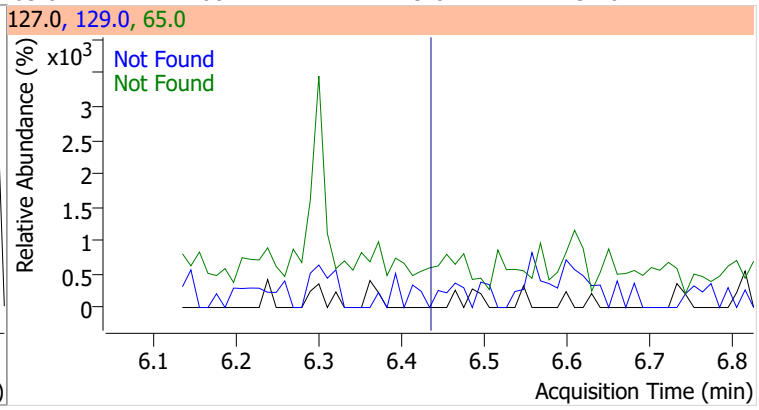
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorophenol	N.D.	6.41	128.0	316.3



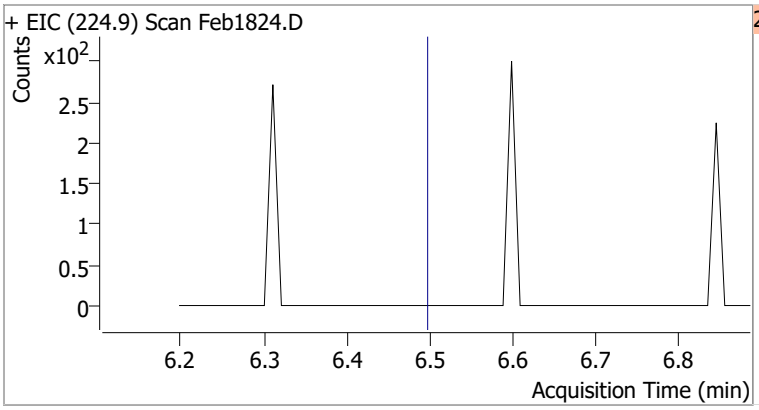


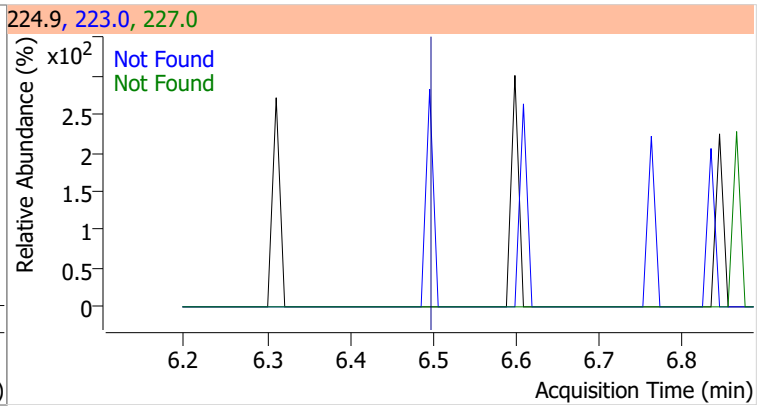
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



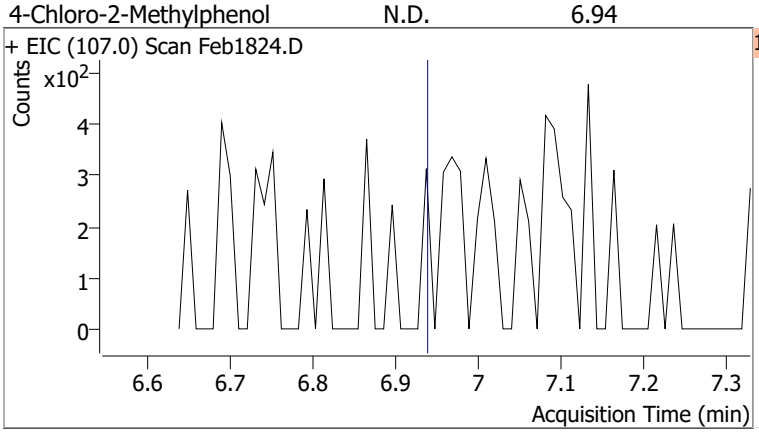


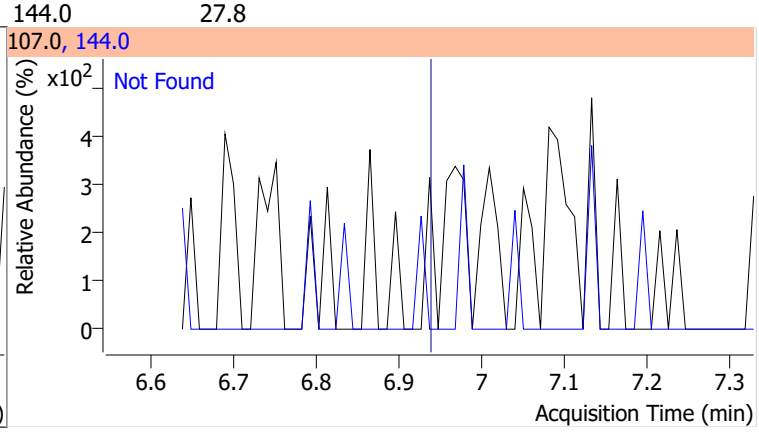
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



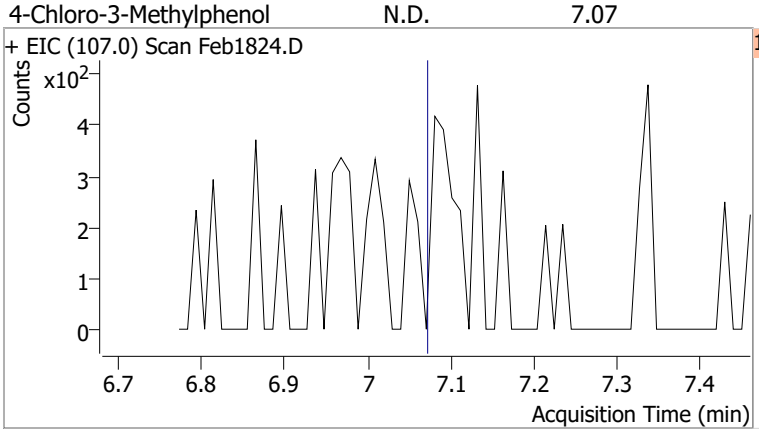


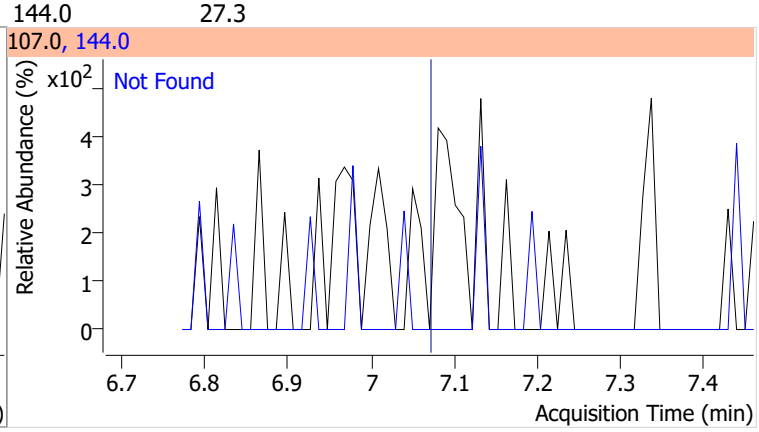
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



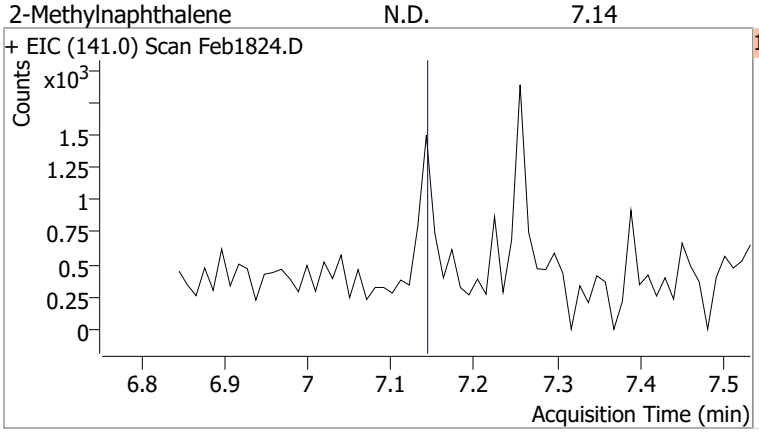


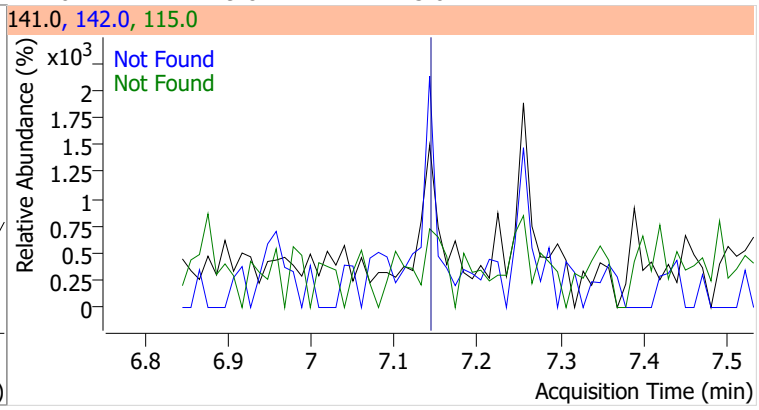
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



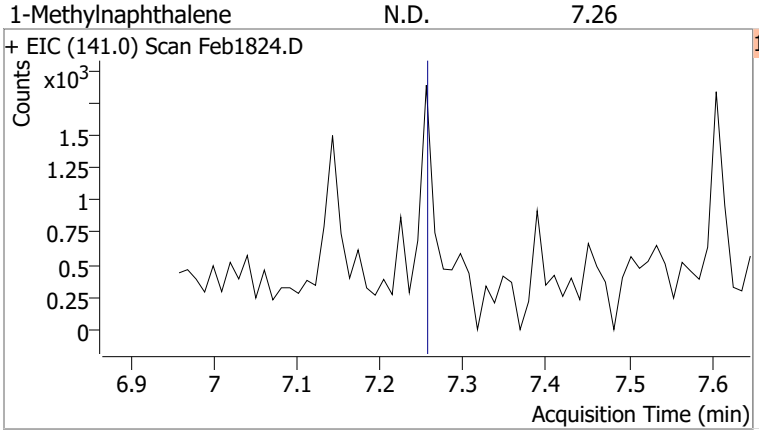


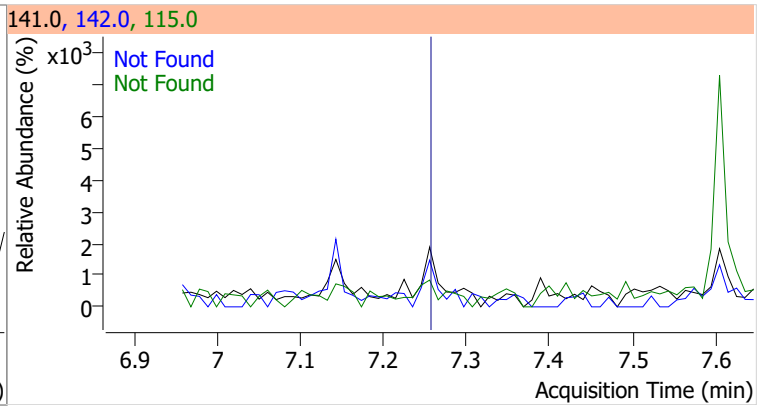
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



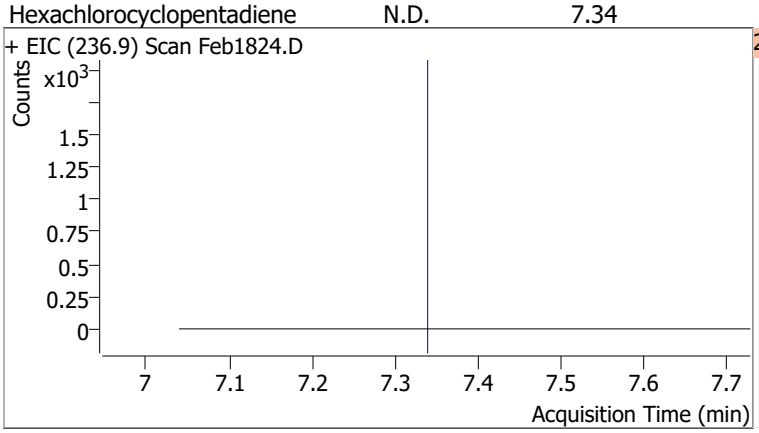


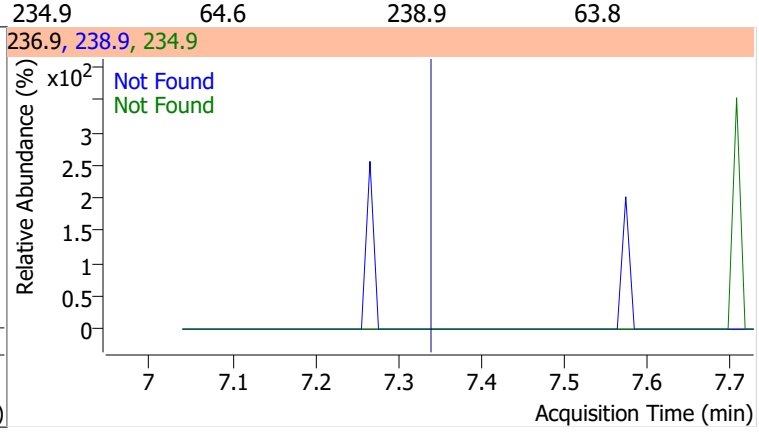
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



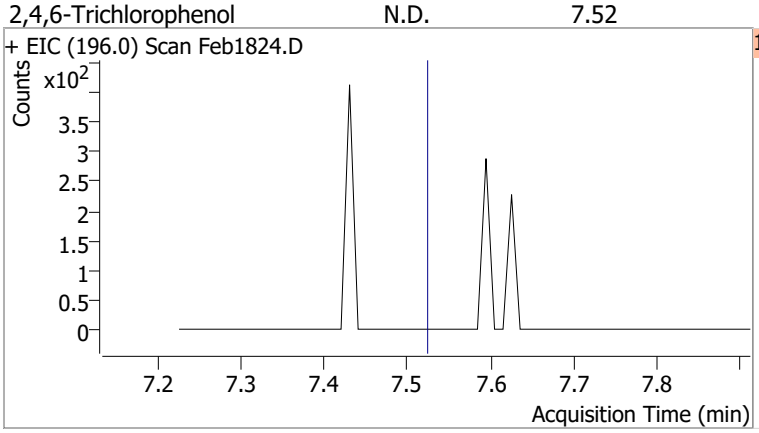


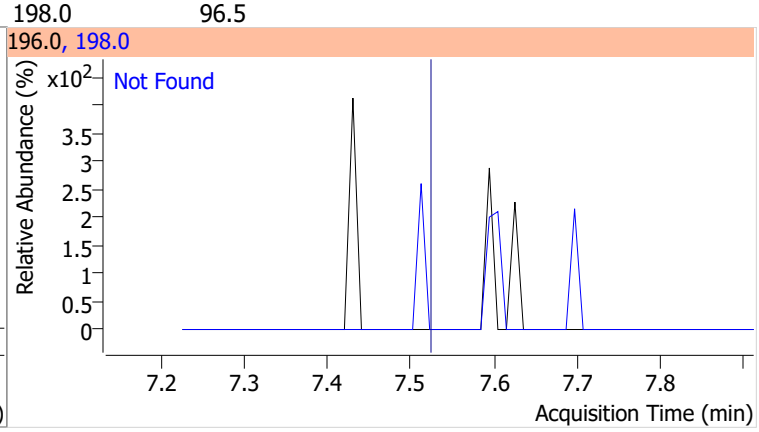
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



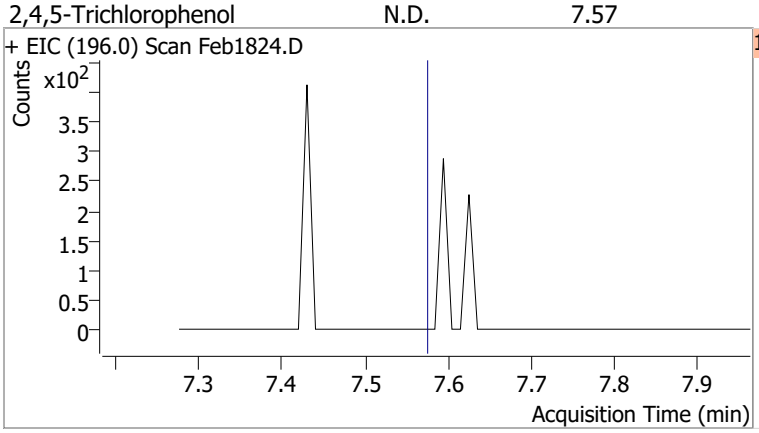


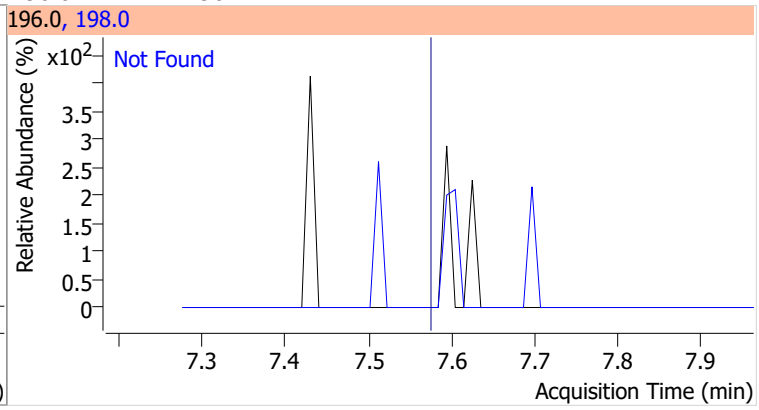
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



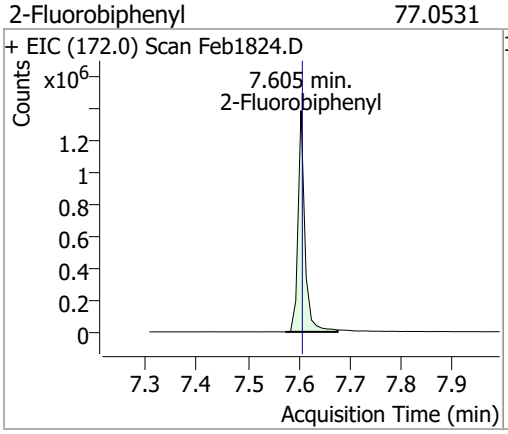


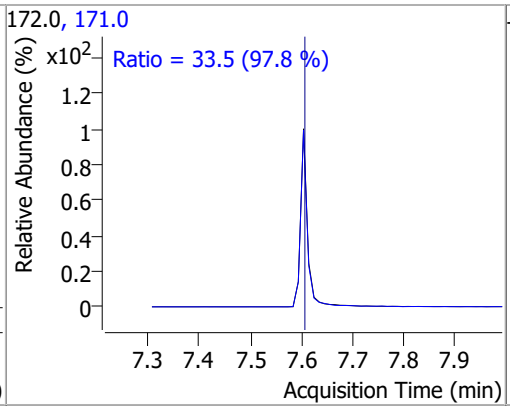
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

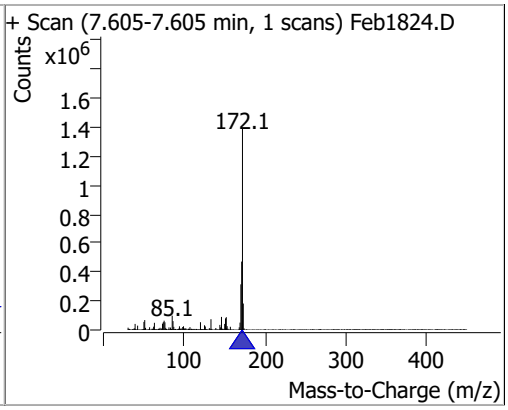




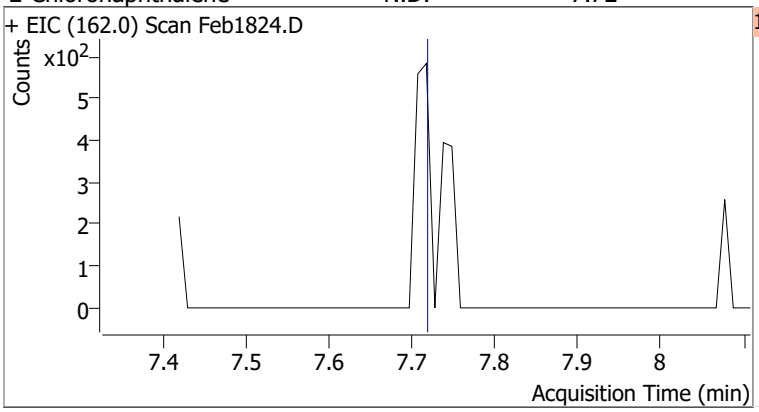
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	77.0531	7.60	0.00	1295160	171.0	33.5	24.0	44.5

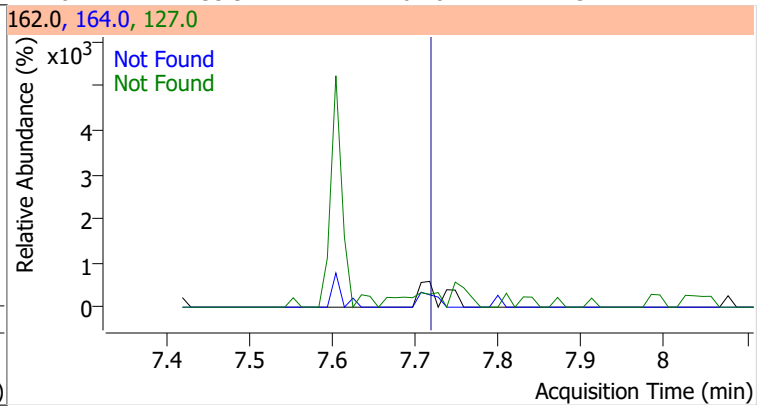




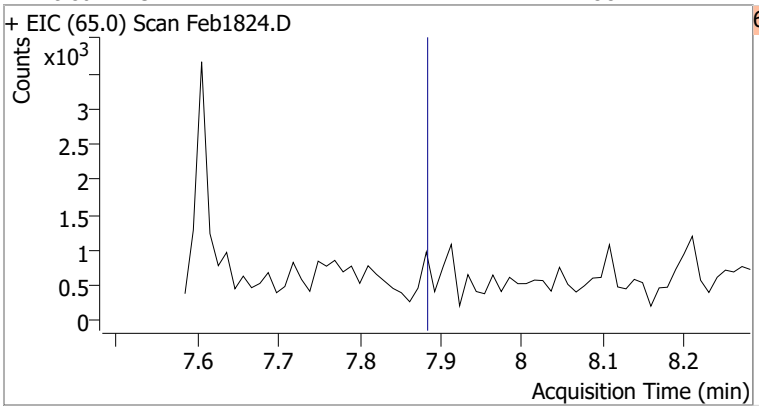


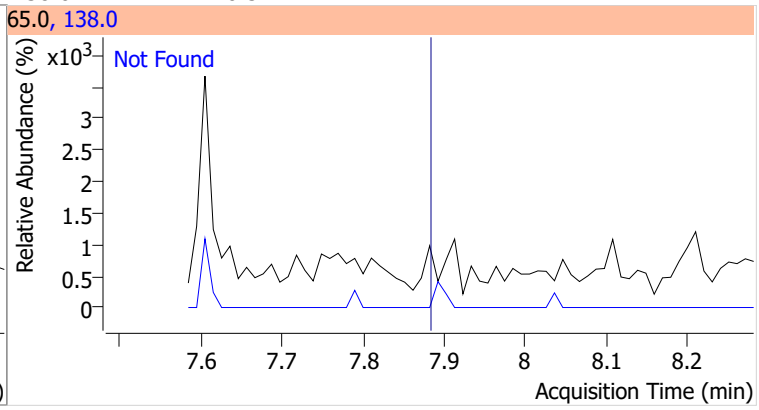
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



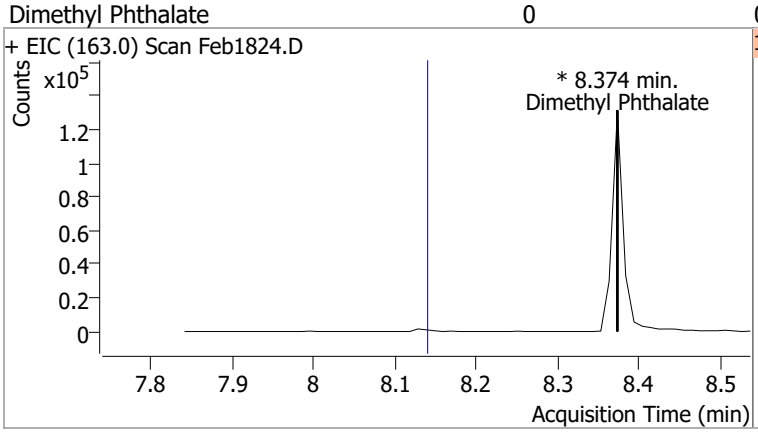


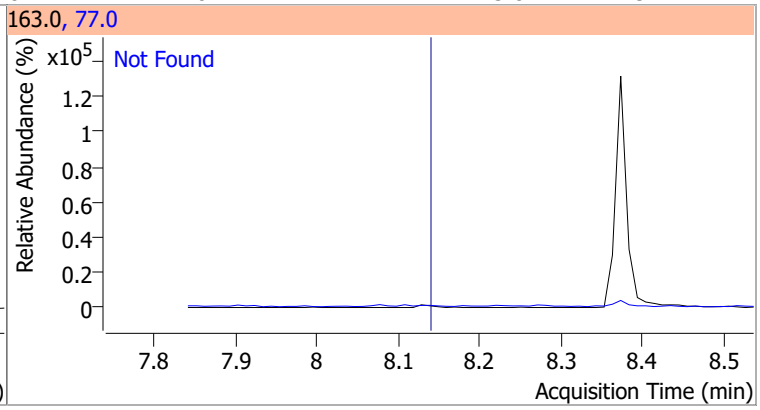
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



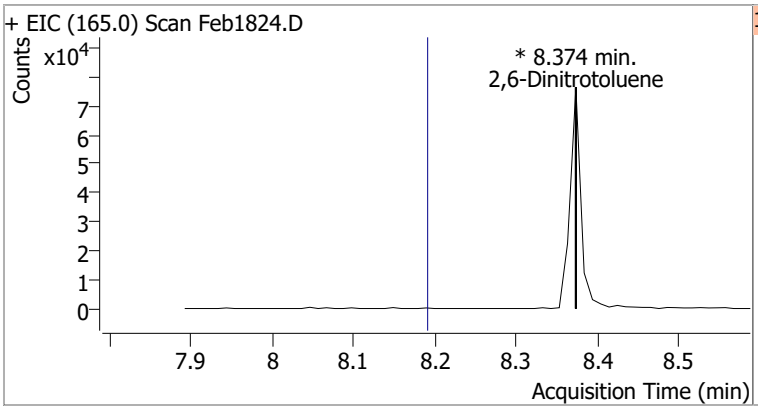


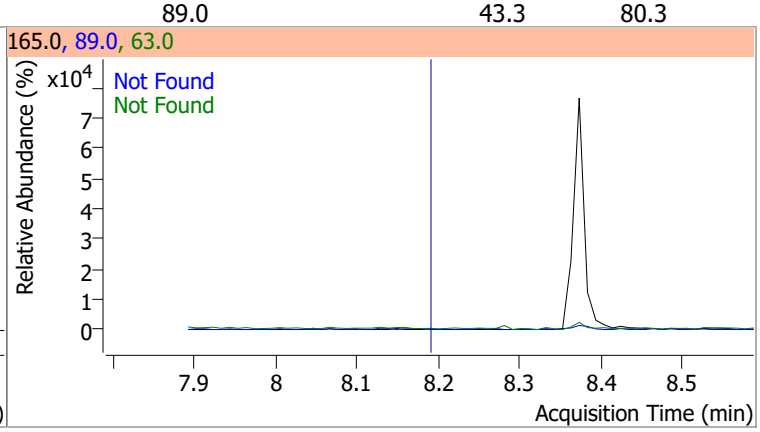
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



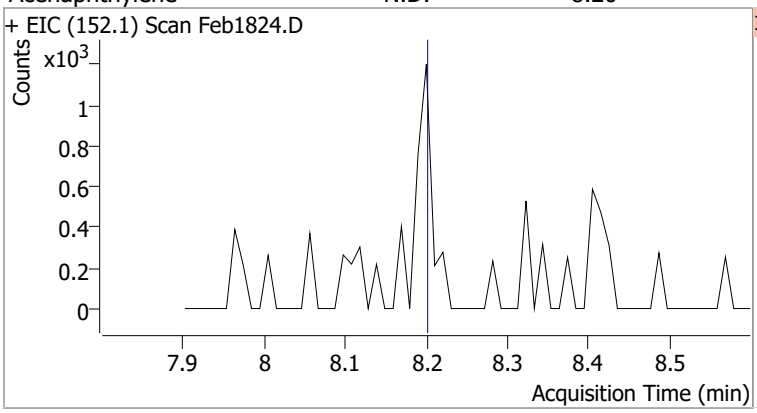


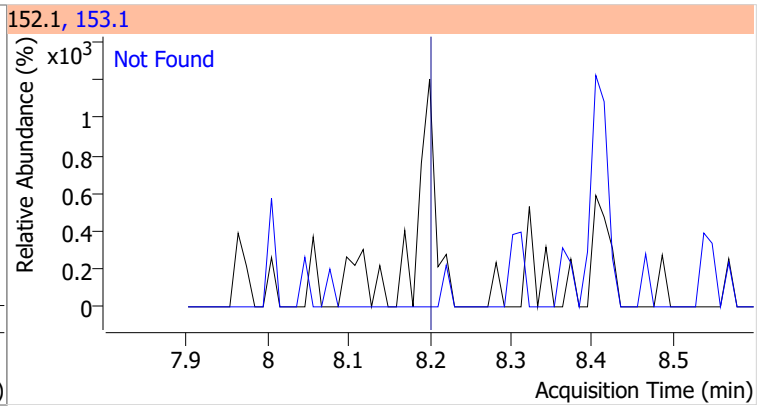
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



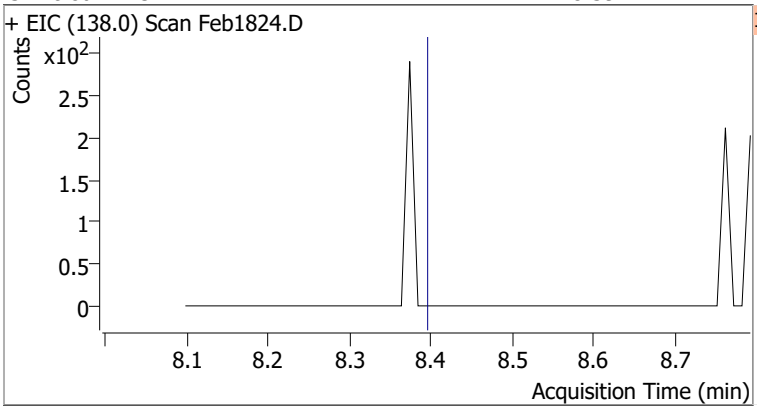


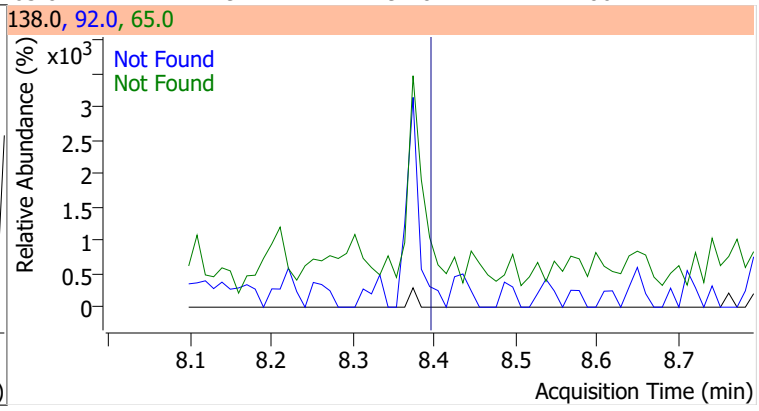
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



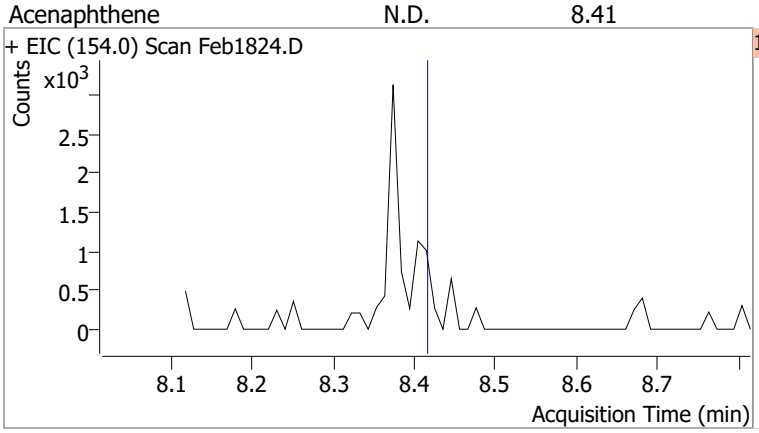


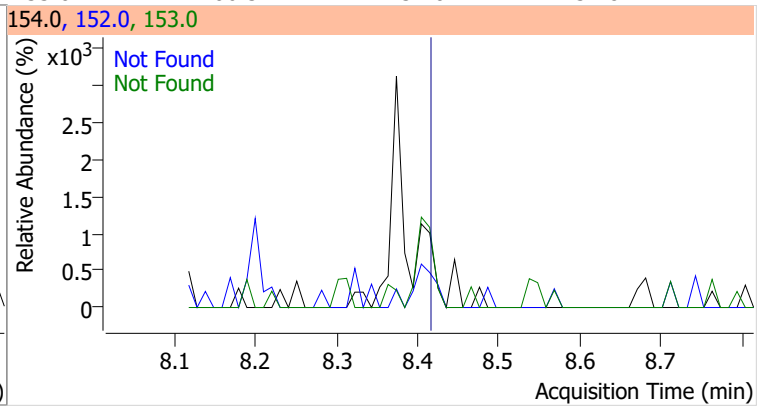
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



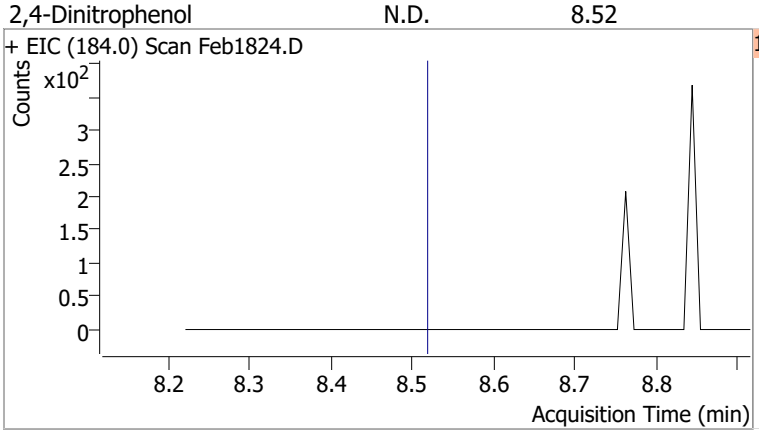


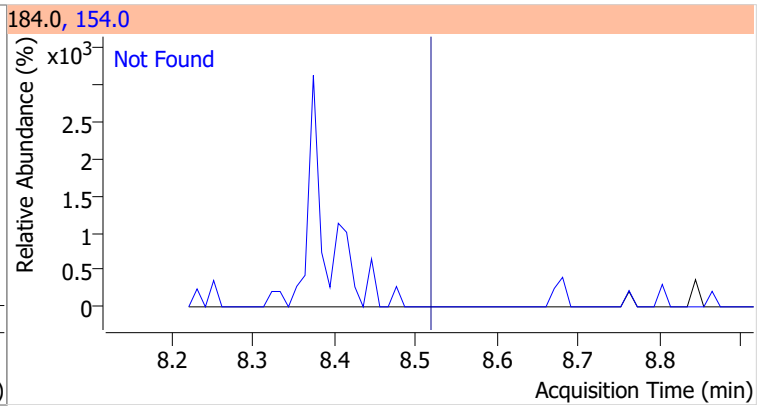
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



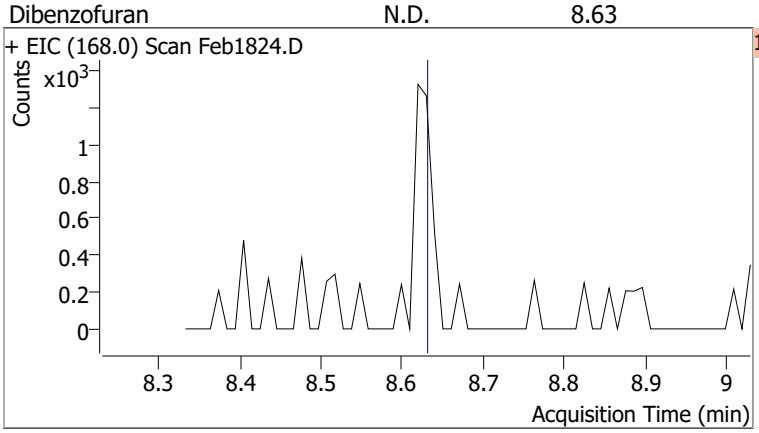


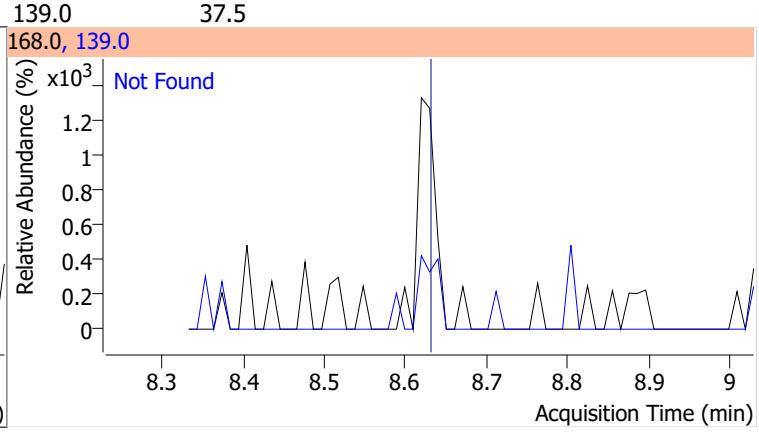
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



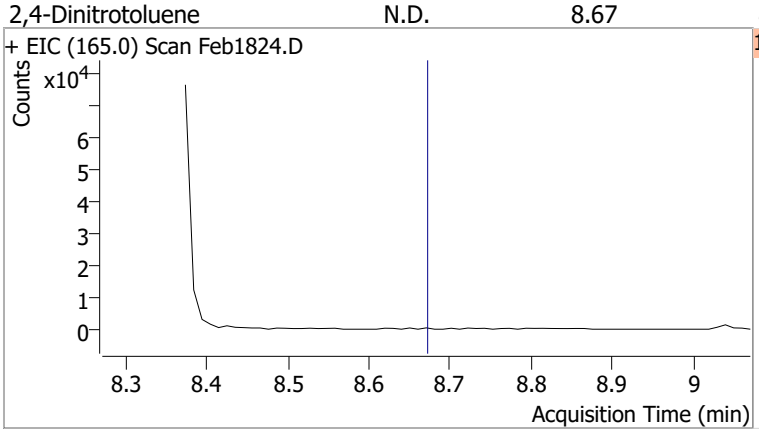


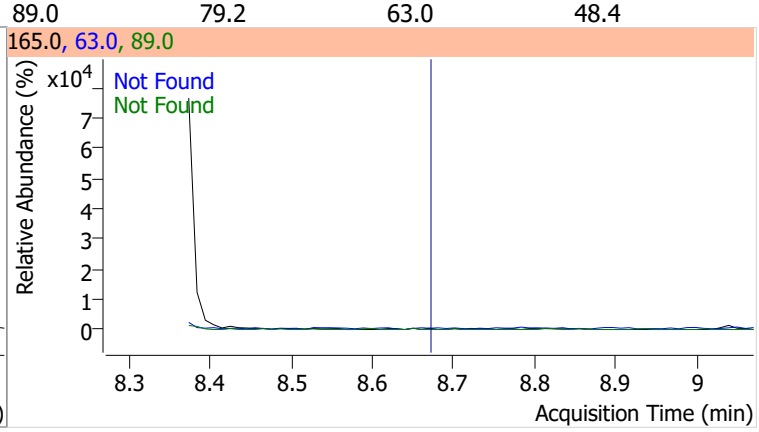
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



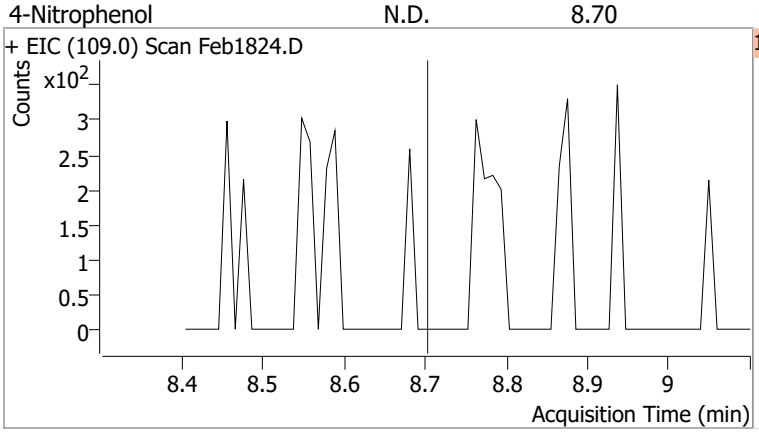


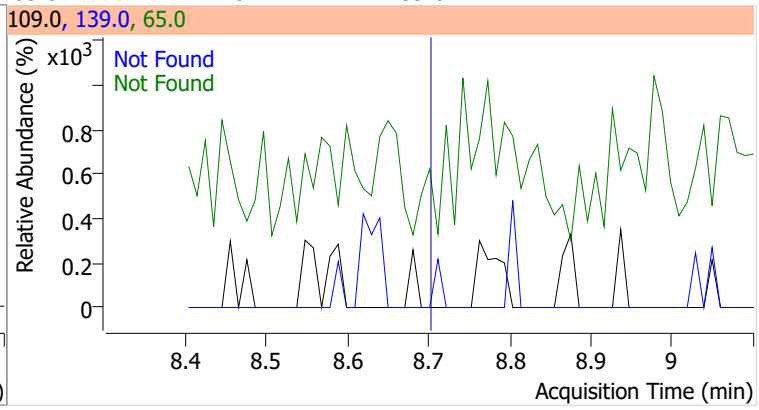
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



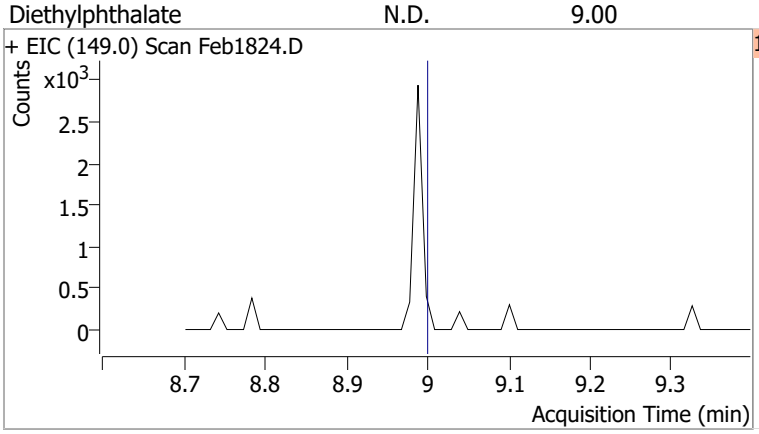


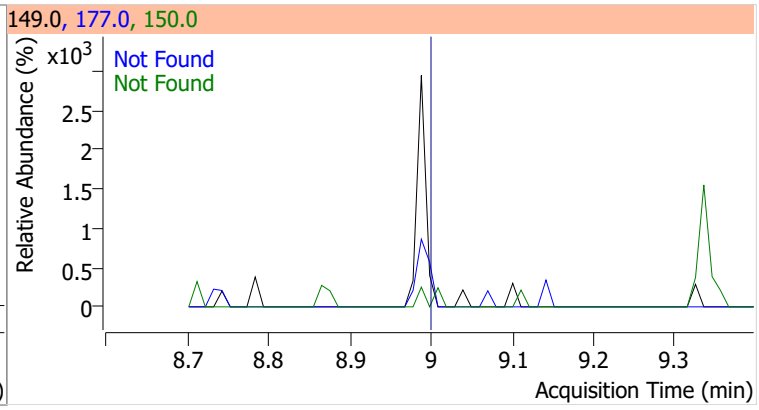
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



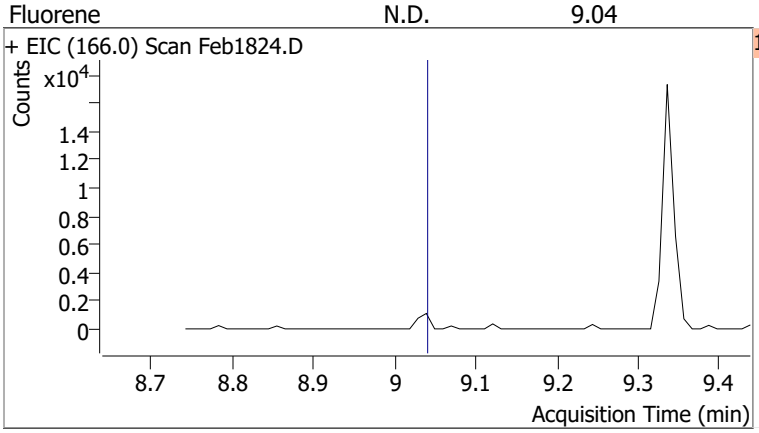


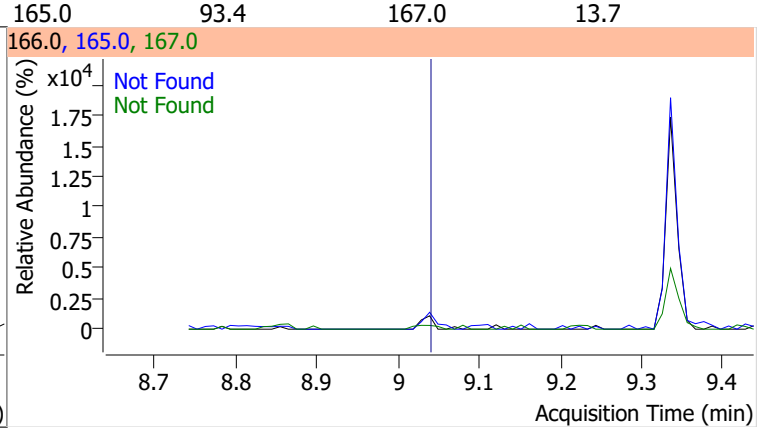
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



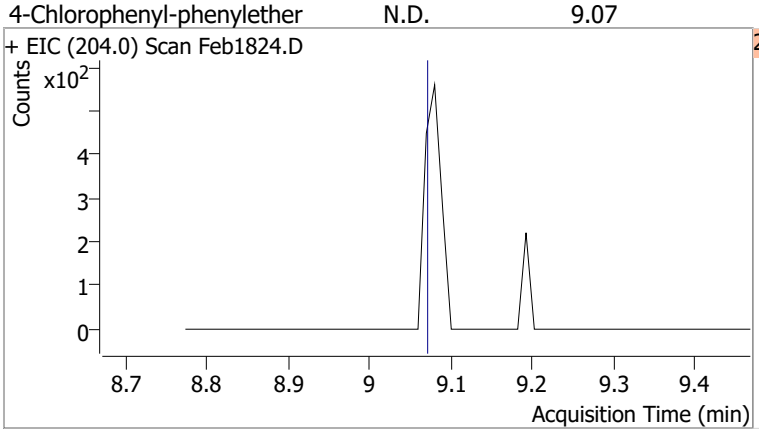


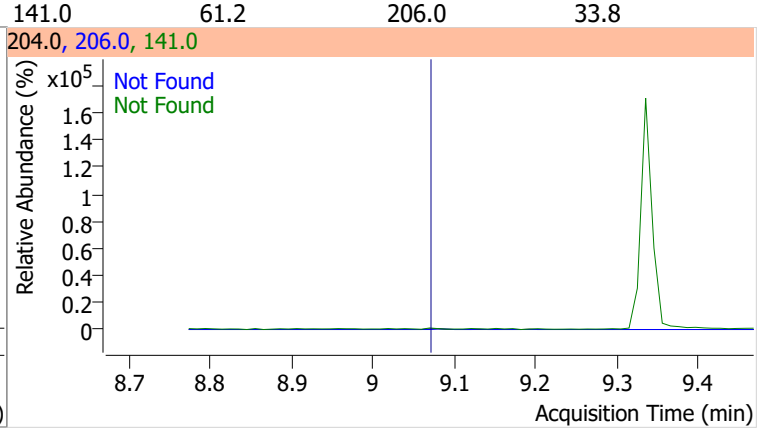
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



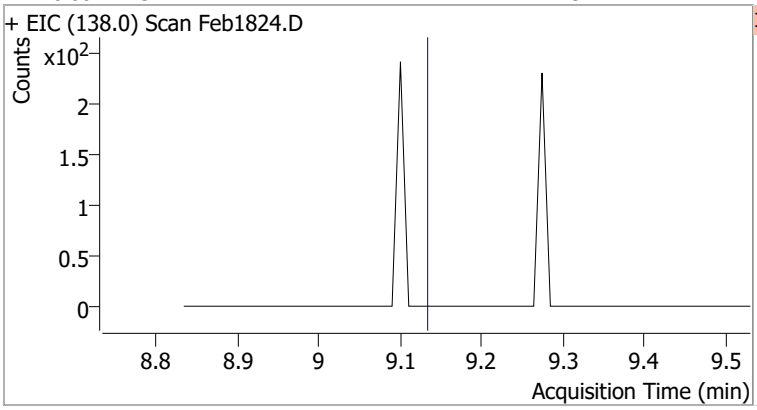


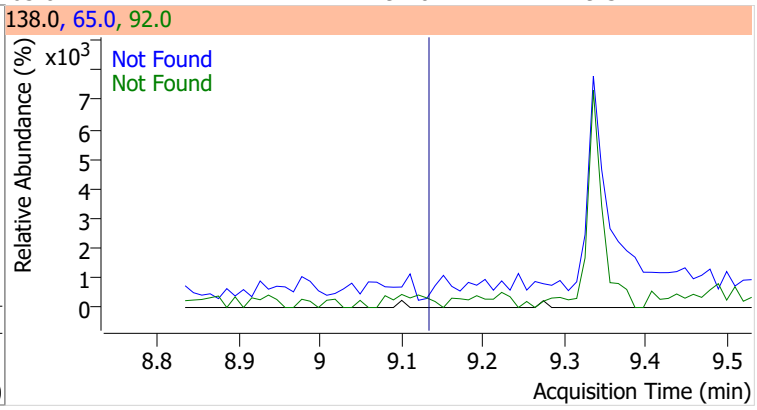
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



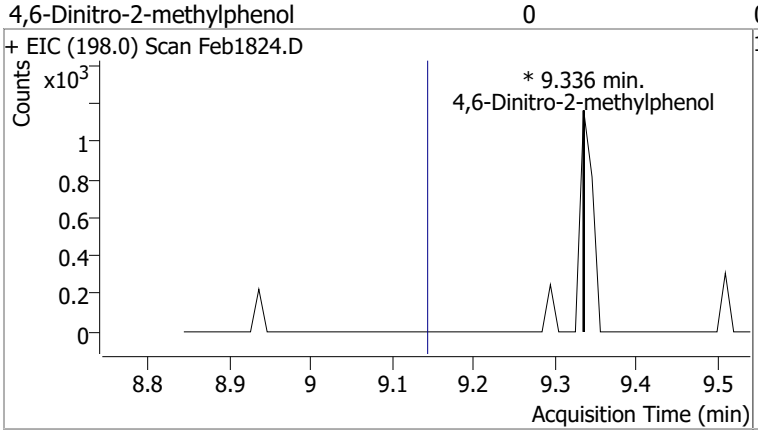


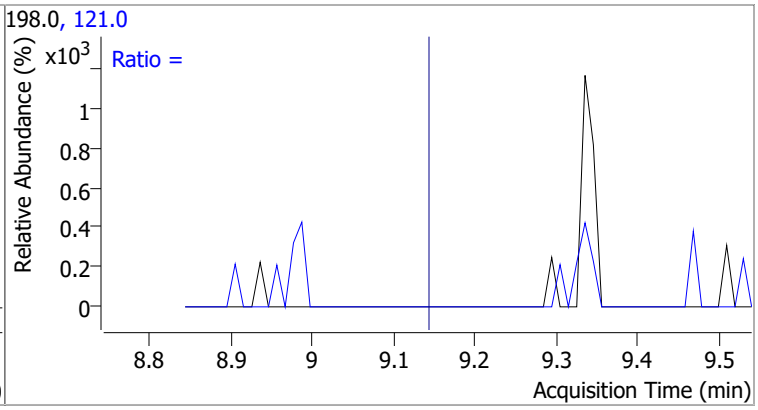
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



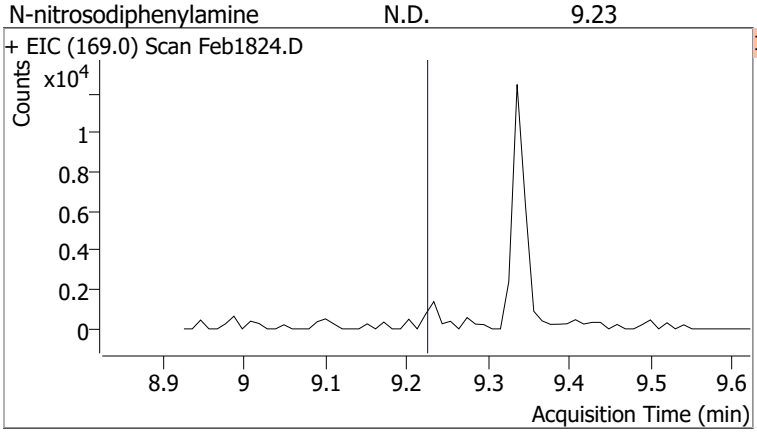


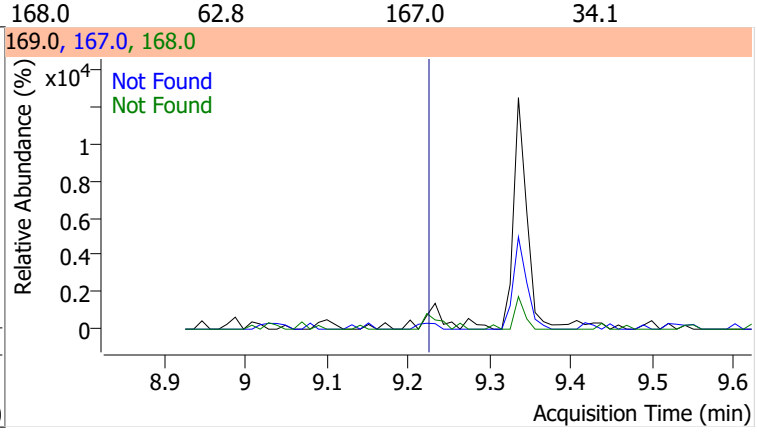
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



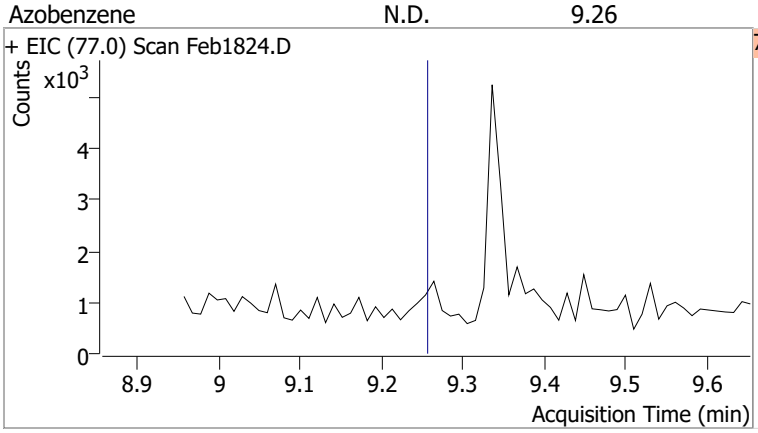


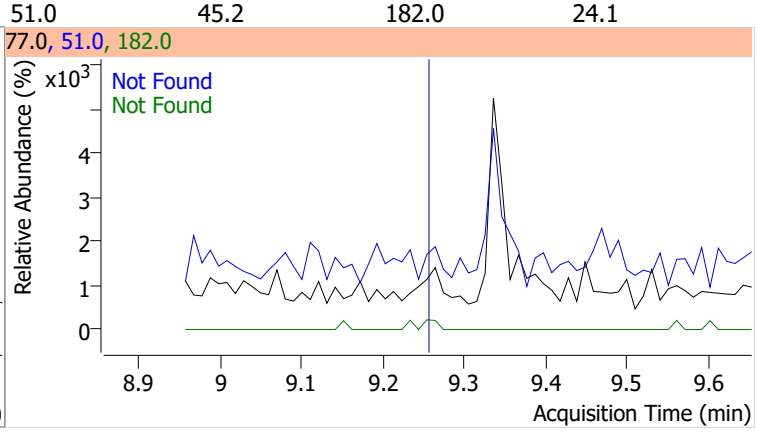
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1





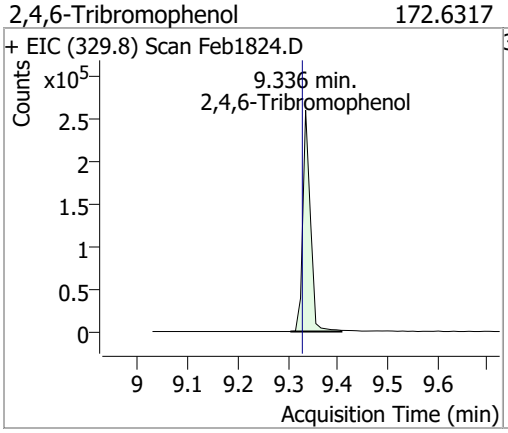
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

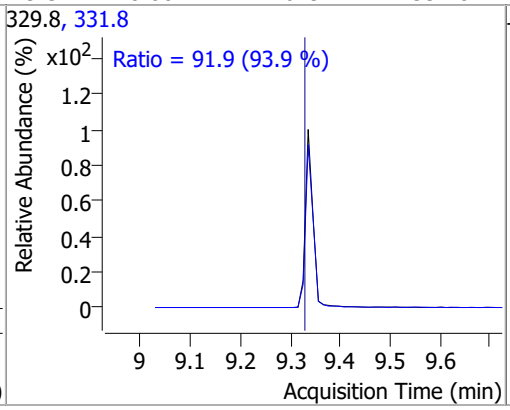


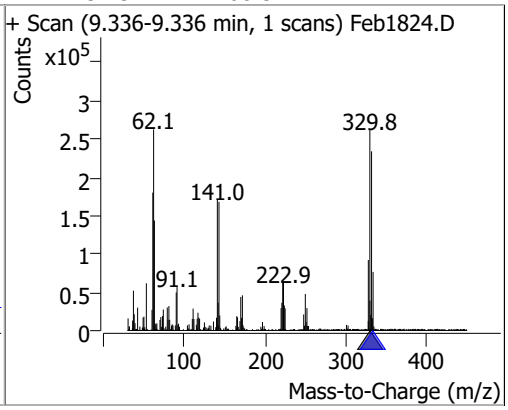


Quantitation Results Report (QT Reviewed)

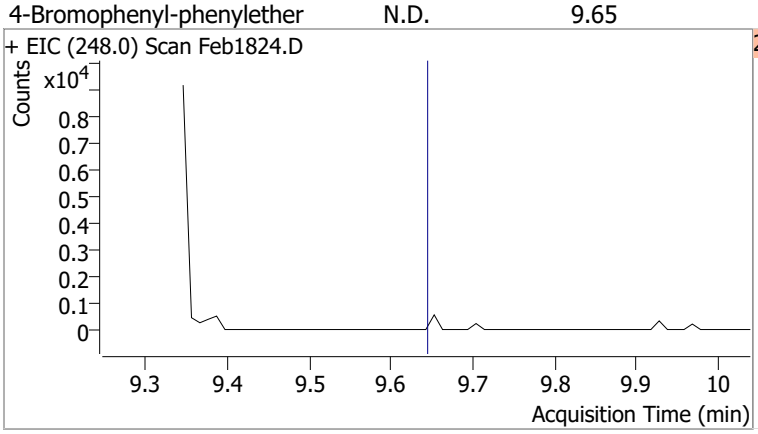
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	172.6317	9.34	0.00	276292	331.8	91.9	68.5	127.2

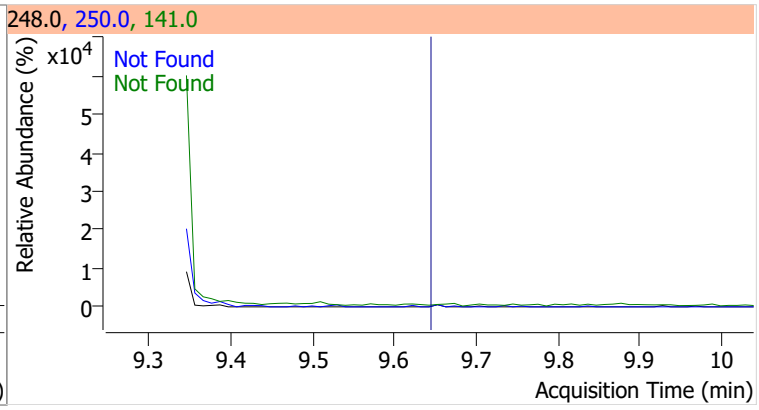




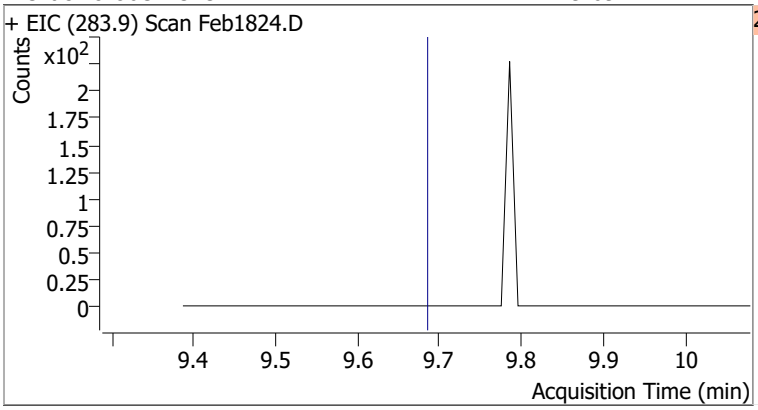


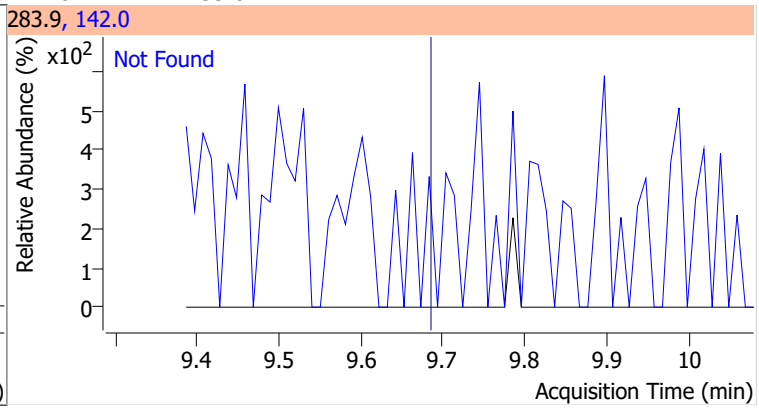
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



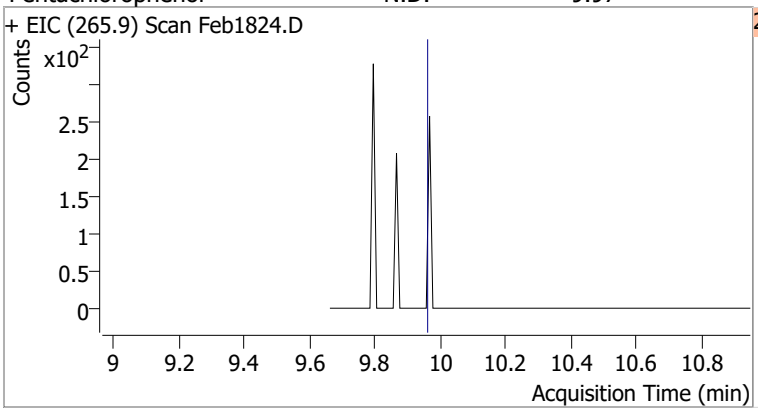


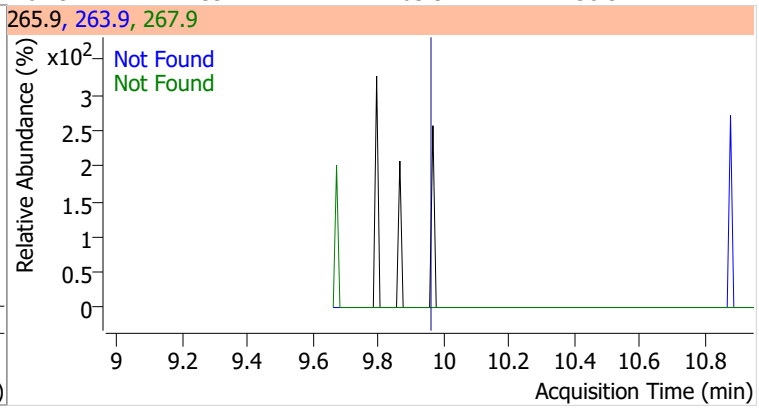
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



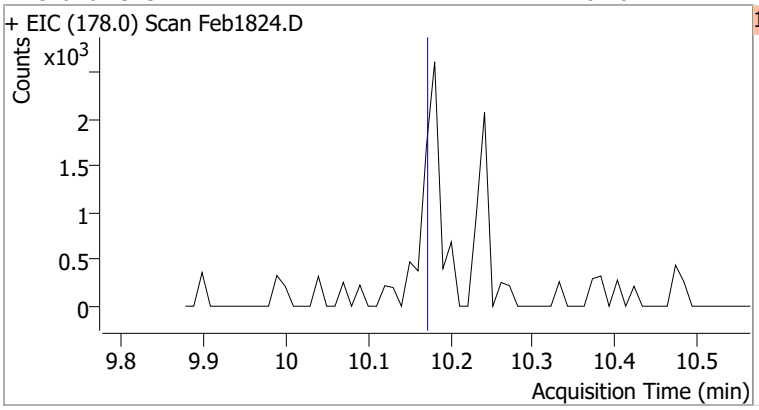


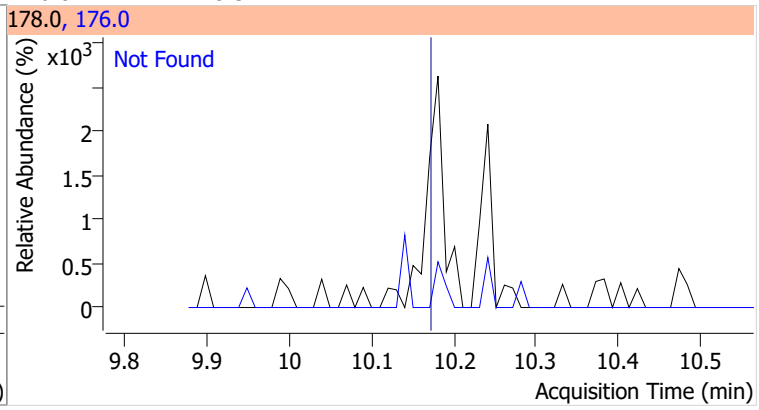
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



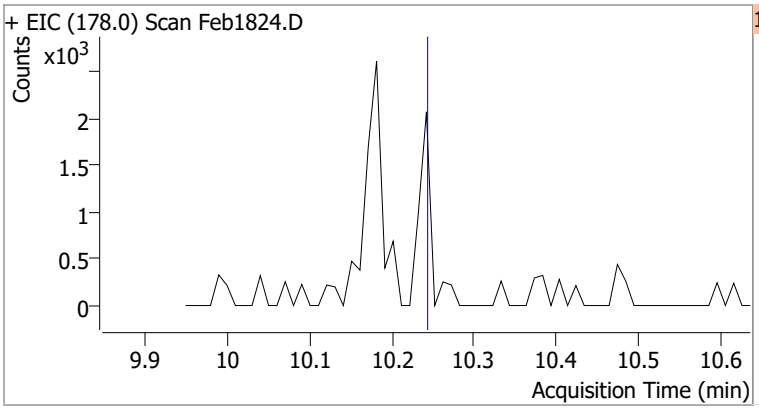


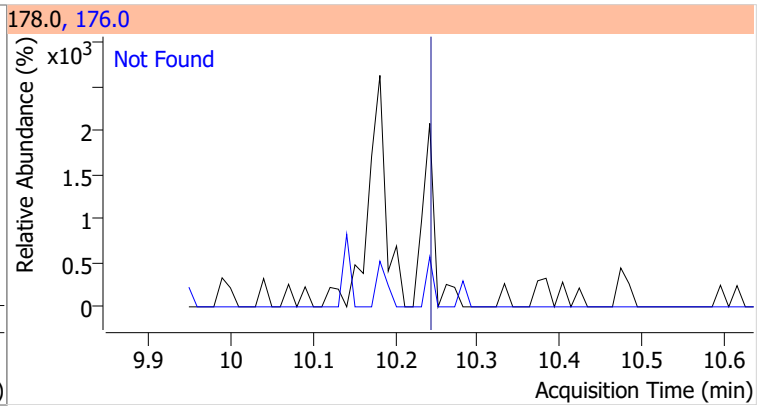
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



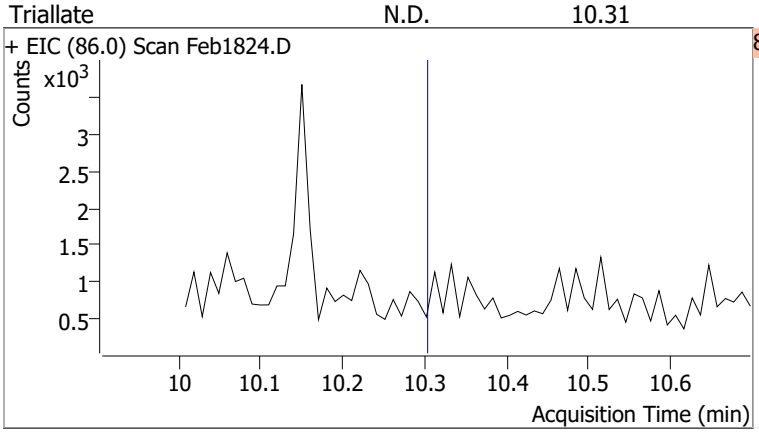


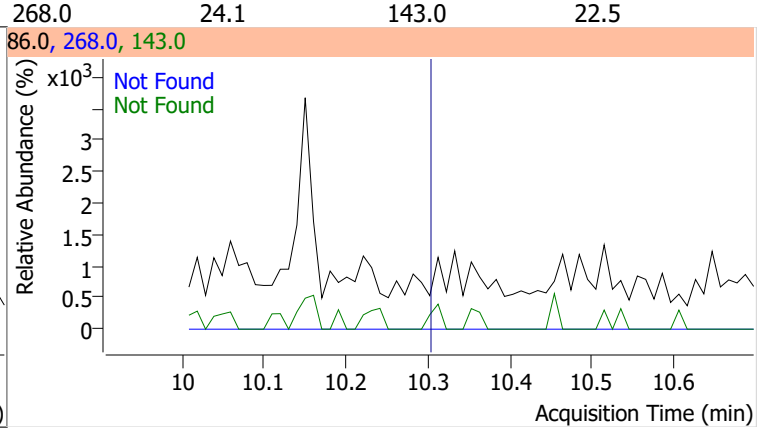
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



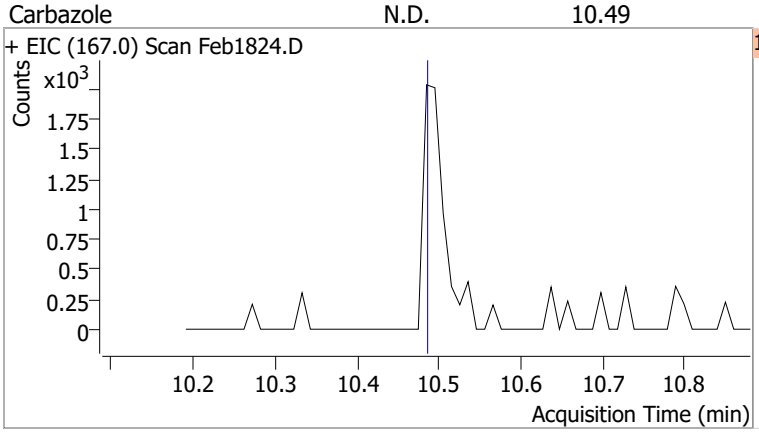


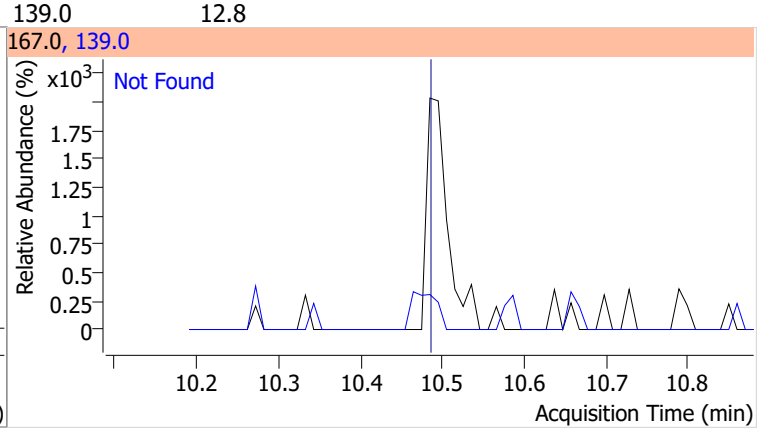
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



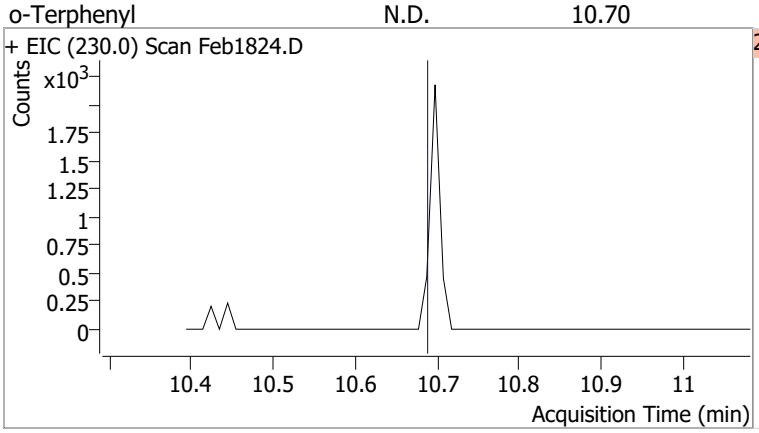


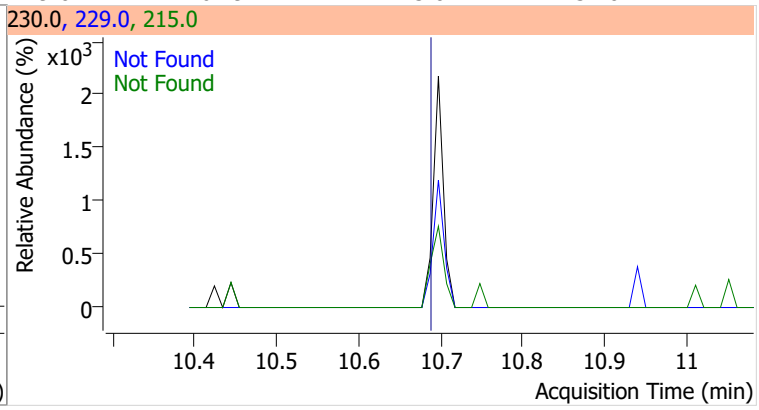
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



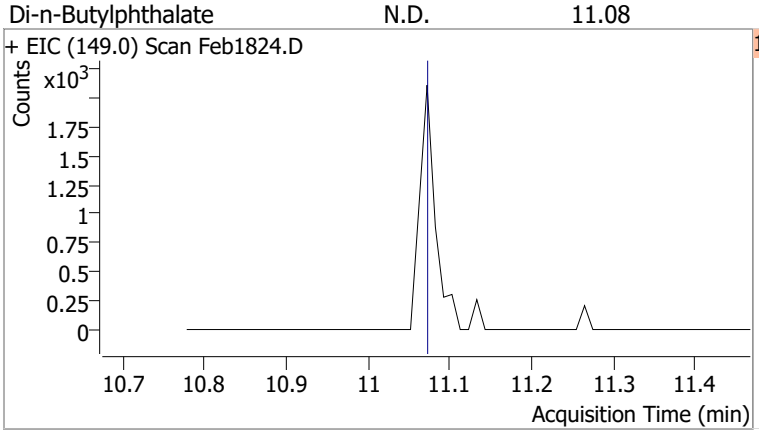


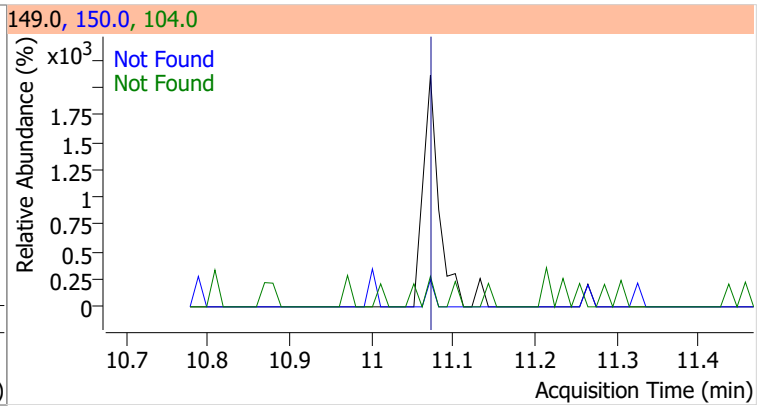
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



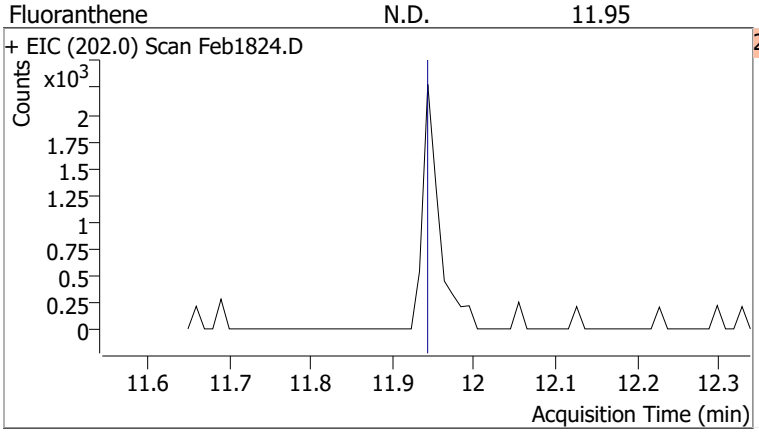


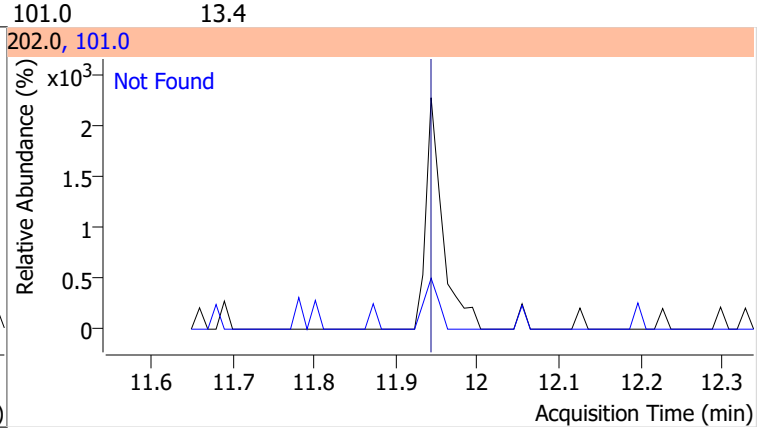
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



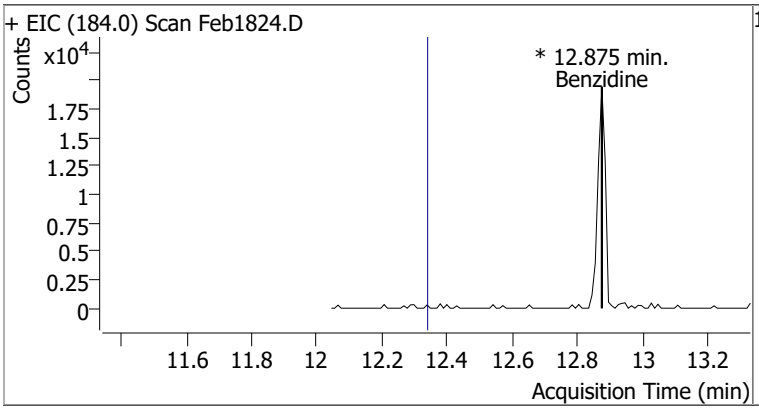


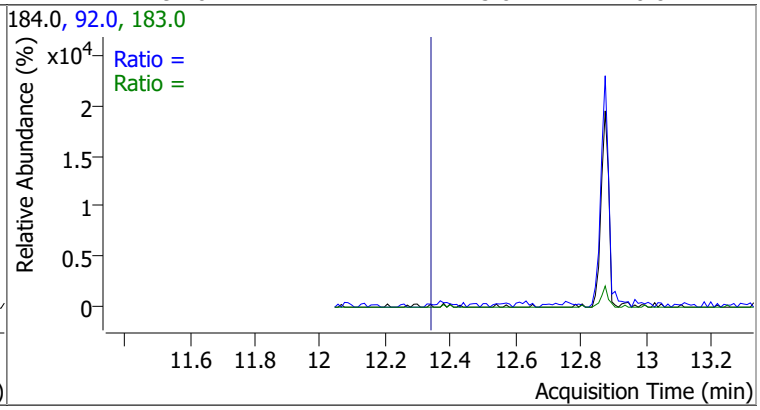
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



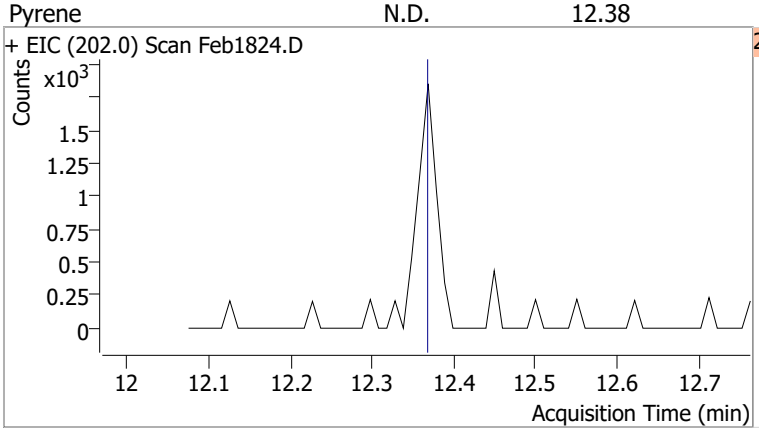


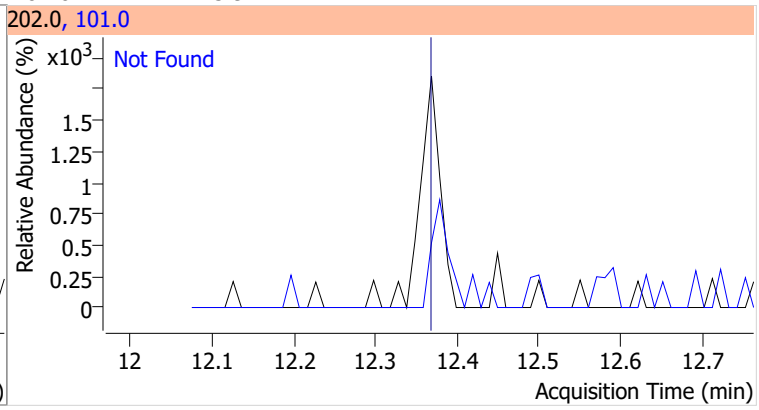
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



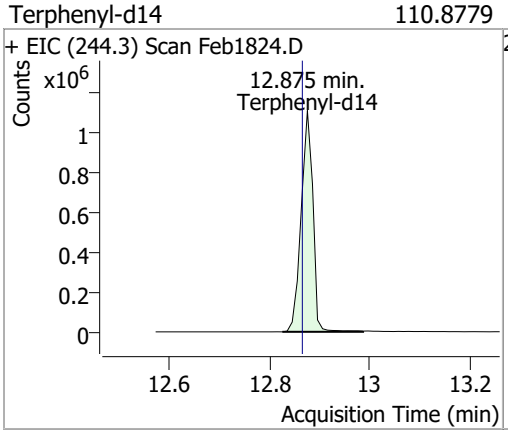


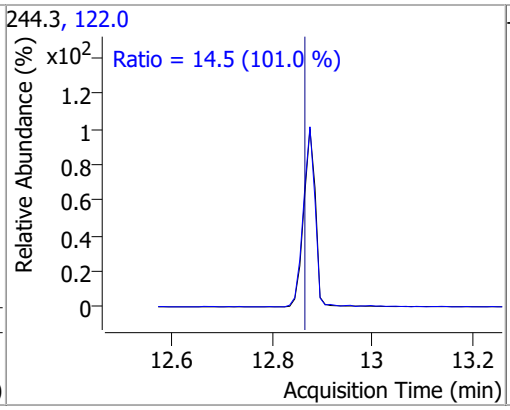
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

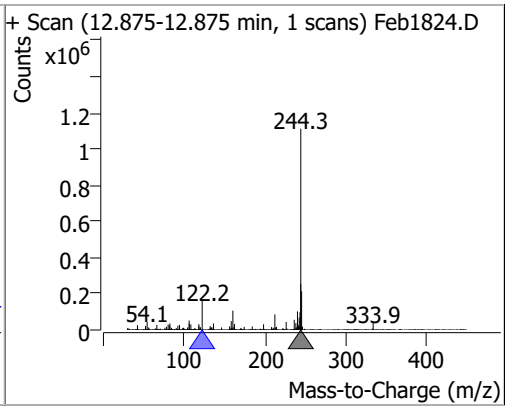




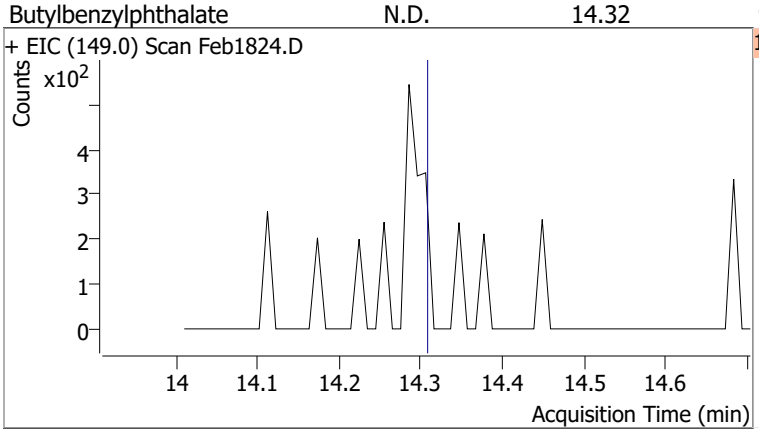
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	110.8779	12.88	0.00	1817841	122.0	14.5	10.1	18.7

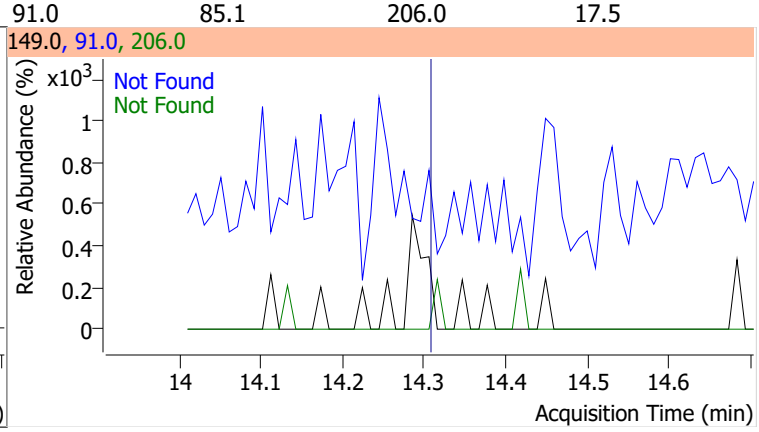




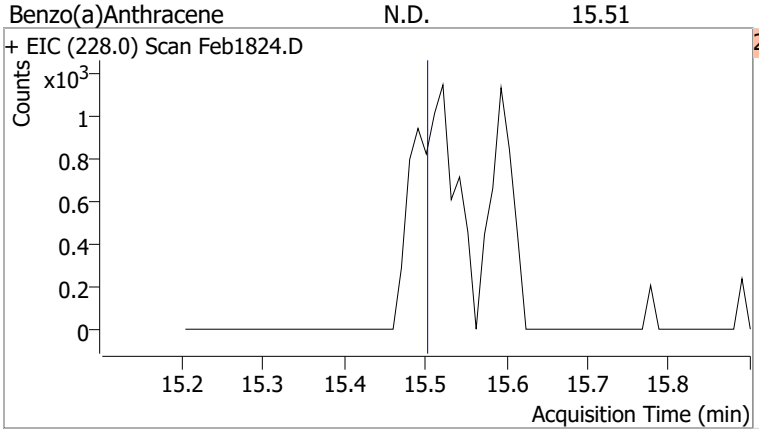


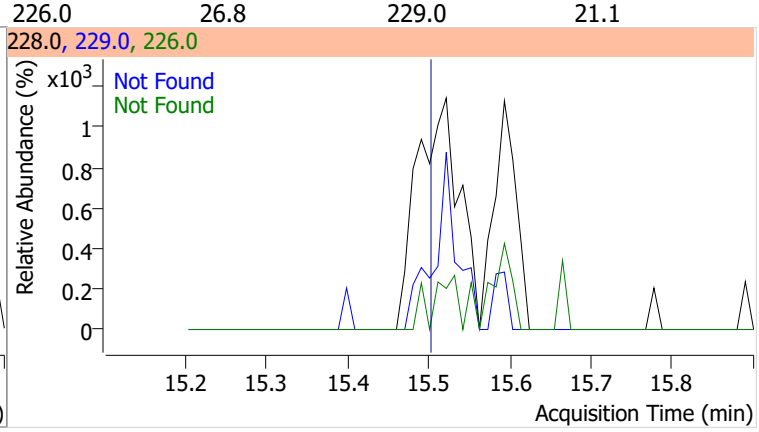
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



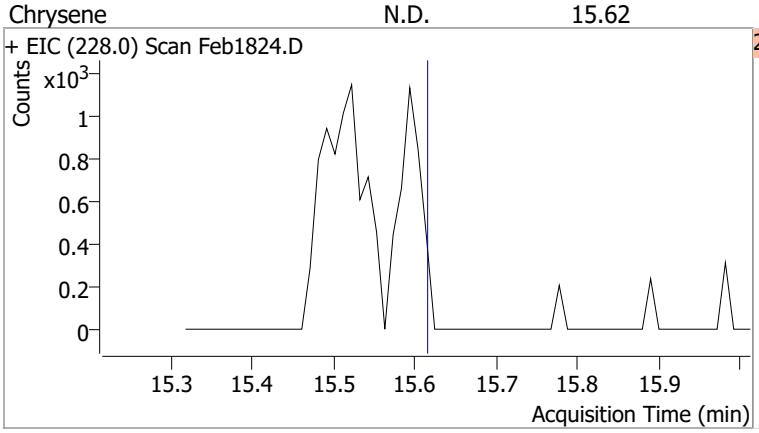


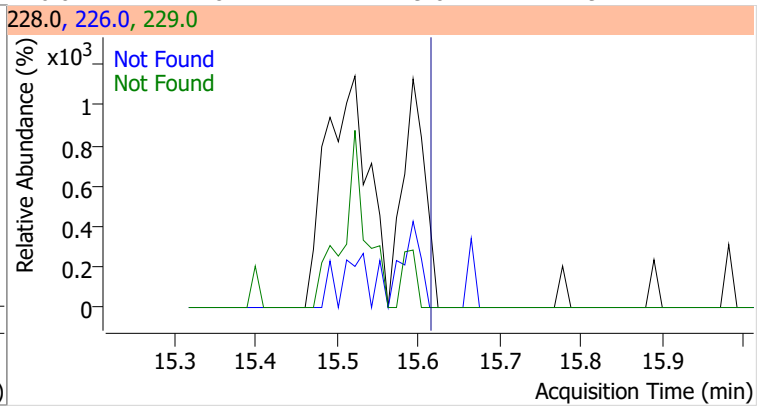
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



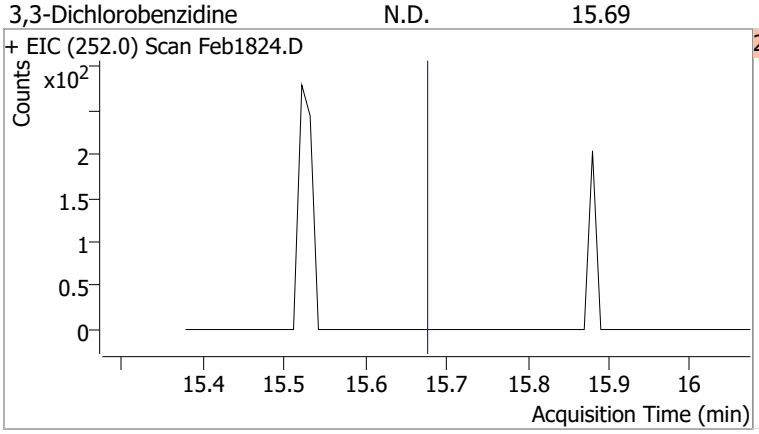


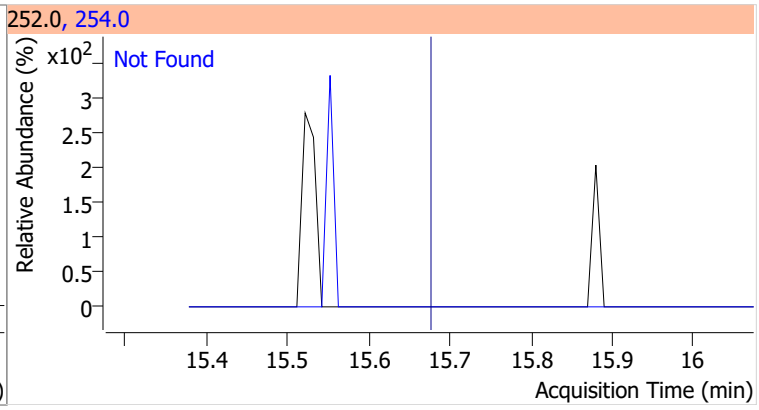
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



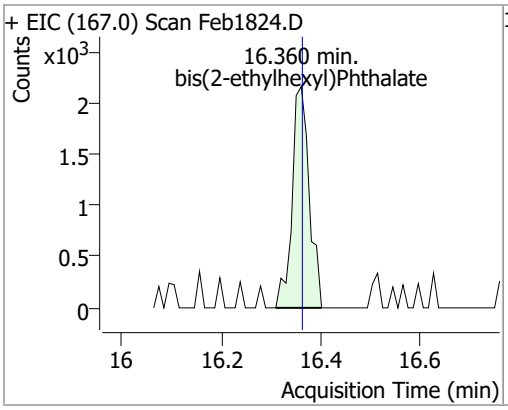


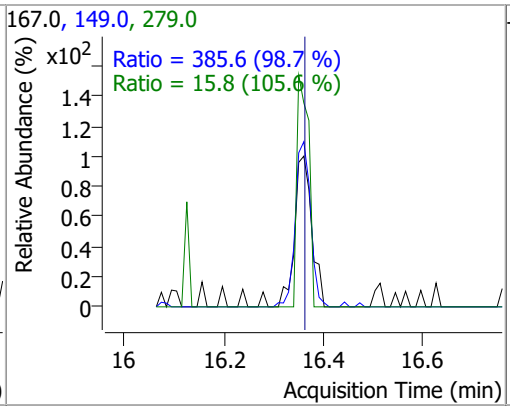
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2

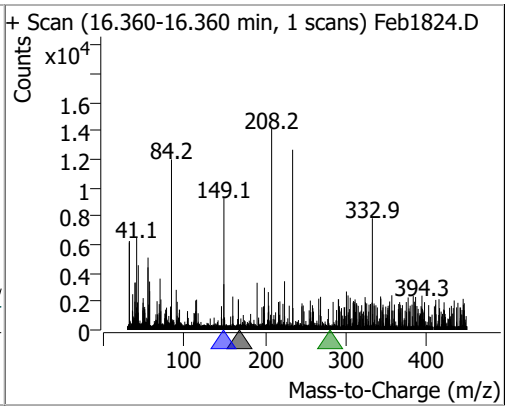




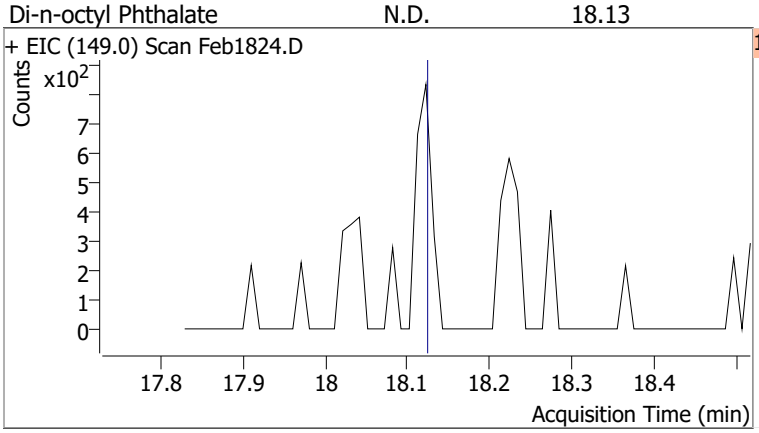
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	3.5303	16.36	-0.01	5177	149.0	385.6	273.6	508.0
					279.0	15.8	10.5	19.5

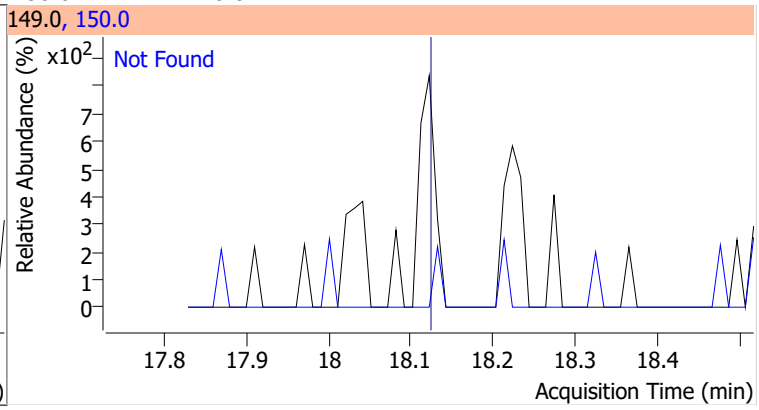




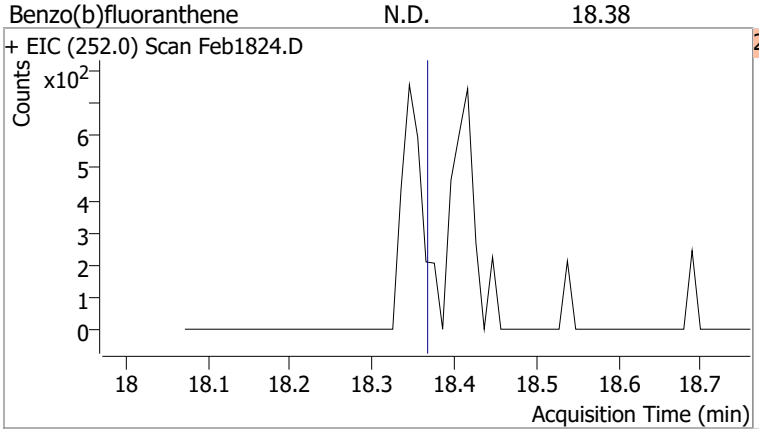


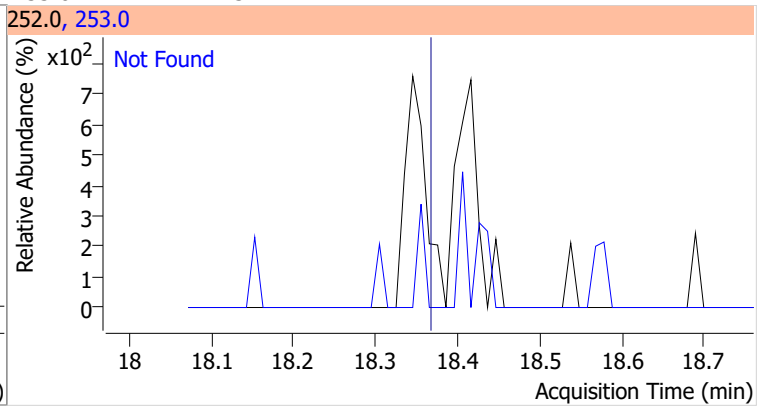
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



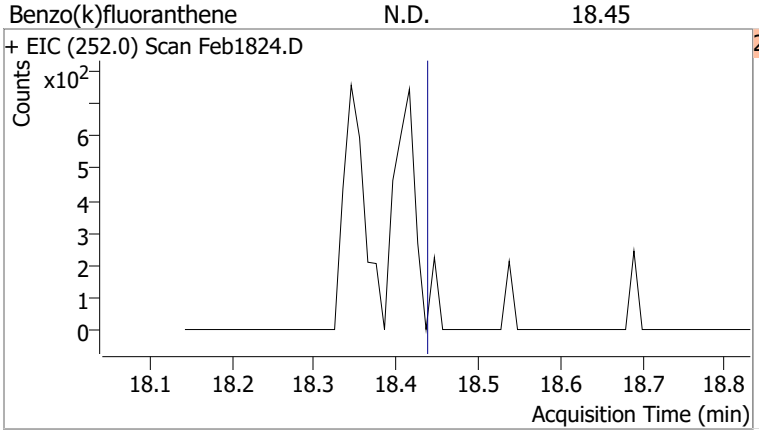


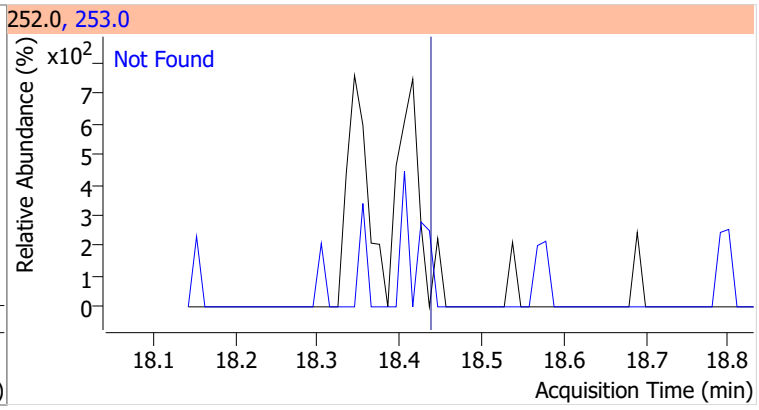
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



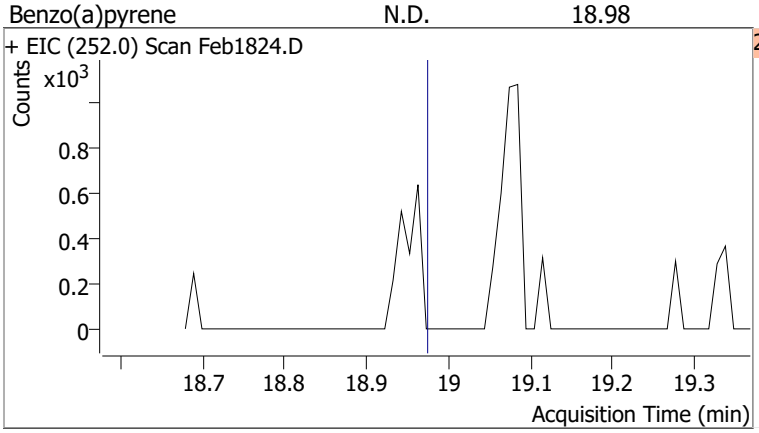


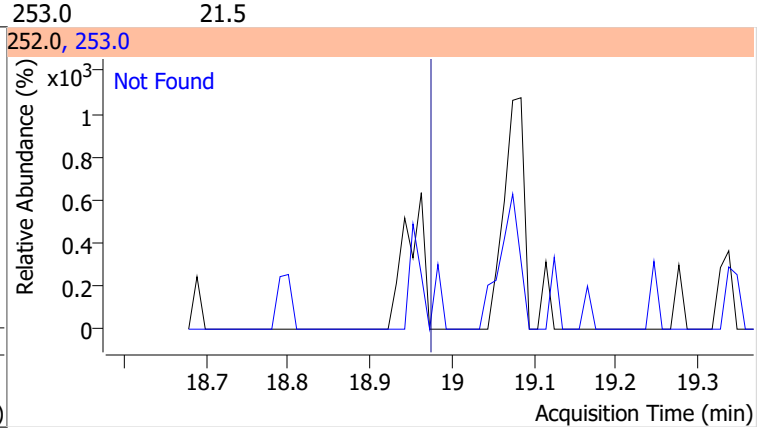
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



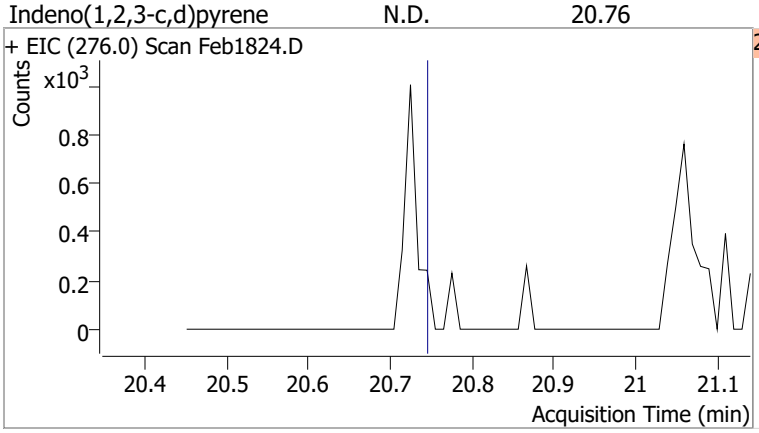


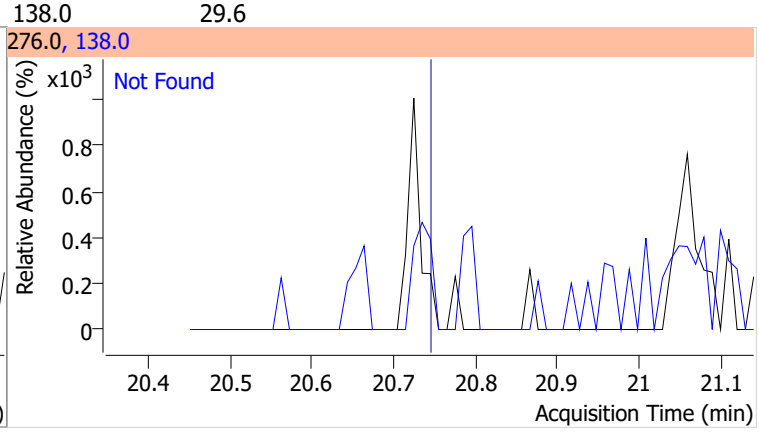
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



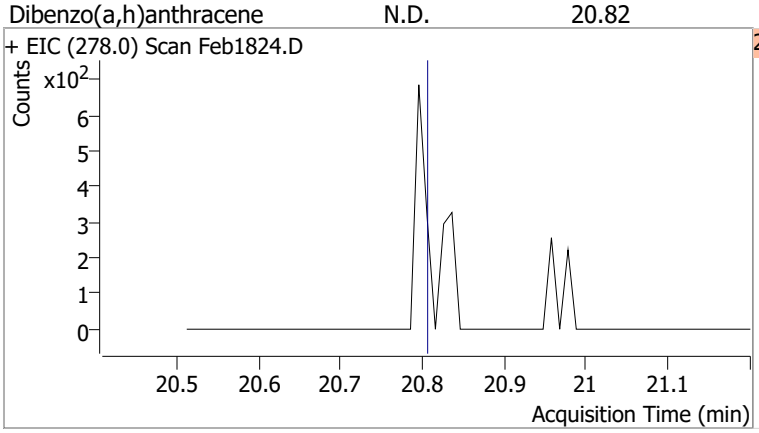


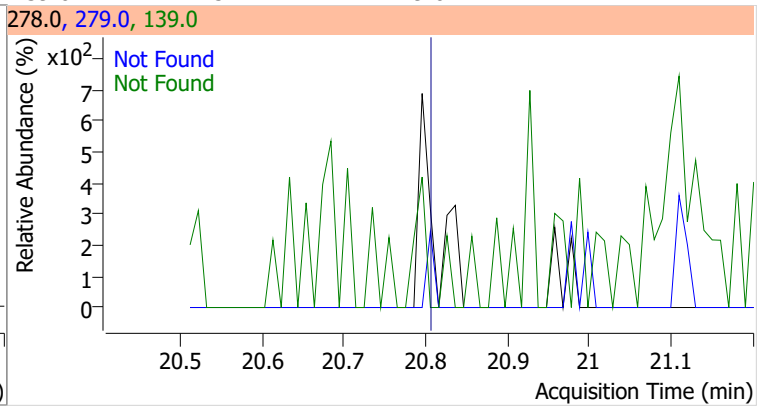
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



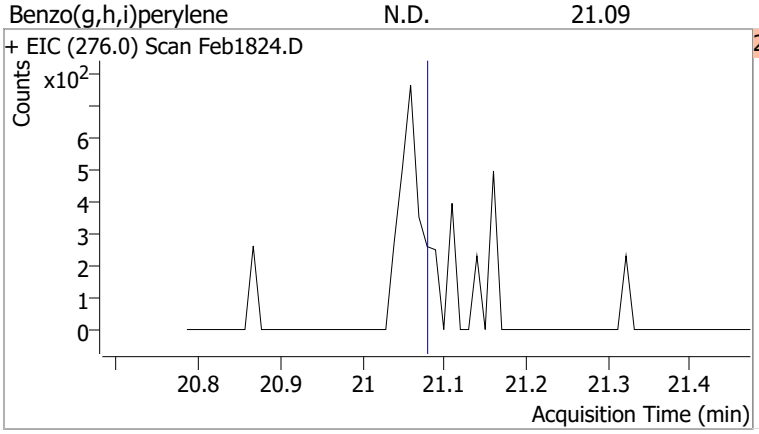


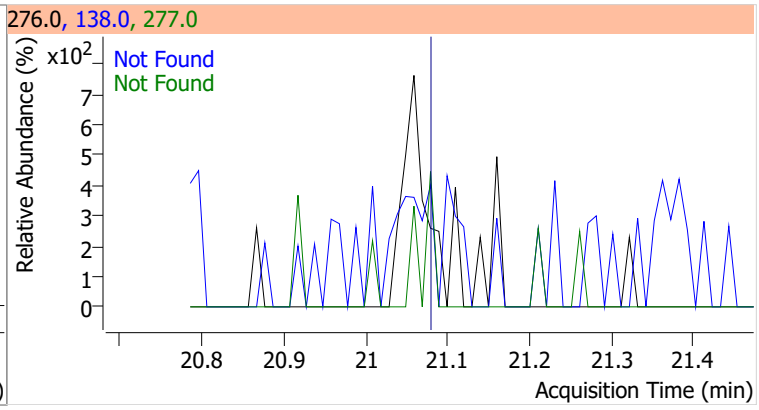
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





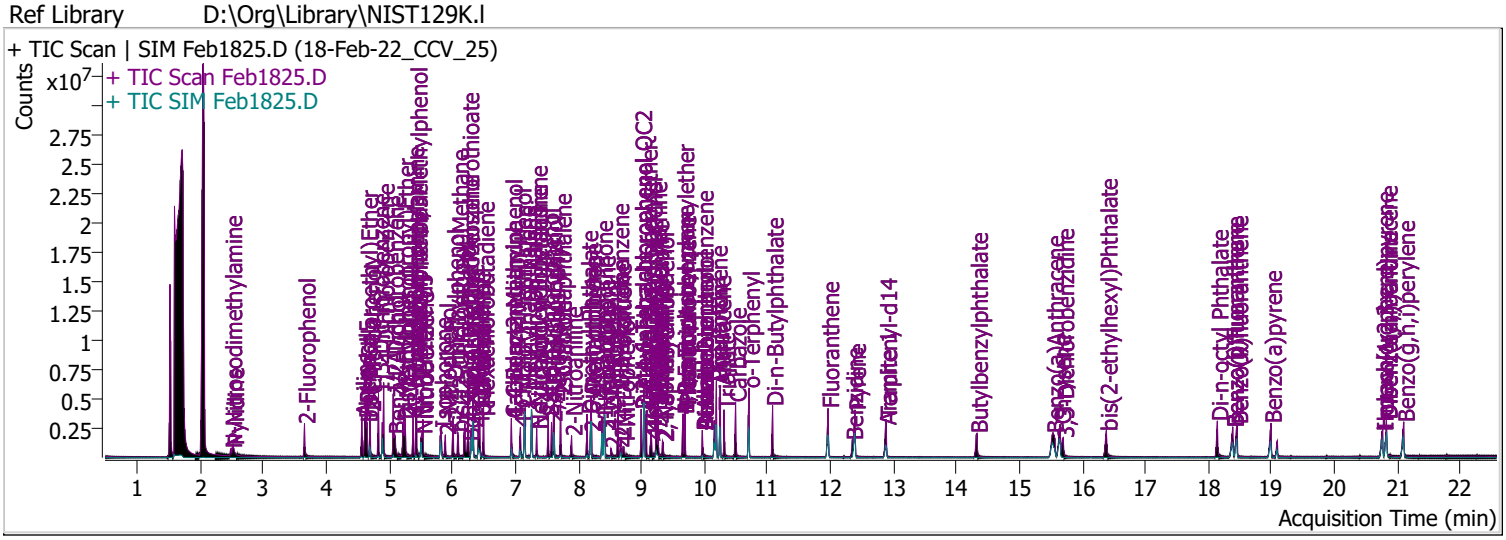
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1825.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 8:57:03 PM
Sample Name	18-Feb-22_CCV_25	Instrument	Instrument #1
Vial	25	Multiplier	1.00
DA Method File		Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA cal.batch.bin	Last Calib Update	2/19/2022 1:06:17 PM
Ref Library	D:\Org\Library\NIST129K.l		



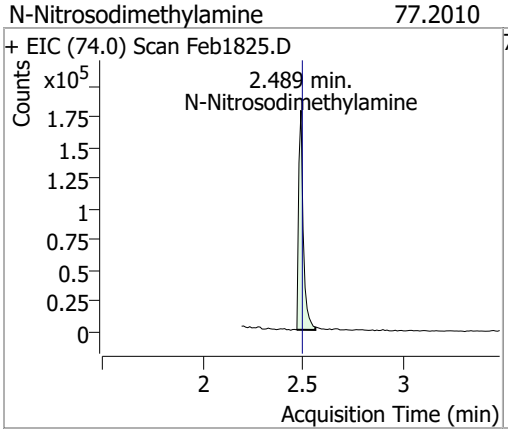
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	832539	79.3295	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 39.66%			
S Phenol-d5	4.613	99.0	1072668	79.6174	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 39.81%			
S Nitrobenzene-d5	5.512	82.0	601600	79.9515	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 79.95%			
S 2-Fluorobiphenyl	7.615	172.0	1752432	81.8452	µg/L		0.010
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 81.85%			
S 2,4,6-Tribromophenol	9.346	329.8	148179	83.7831	µg/L		0.010
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 41.89%			
S Terphenyl-d14	12.885	244.3	1739964	79.0420	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 79.04%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.489	74.0	246152	77.2010	µg/L		97
T Pyridine	2.520	79.0	589943	73.6896	µg/L		90
T Aniline	4.562	93.0	1472122	76.7624	µg/L	m	98
T Phenol	4.623	94.0	1166562	77.6949	µg/L		99
T bis(-2-Chloroethyl)Ether	4.644	63.0	816449	80.5584	µg/L	m	99
T 2-Chlorophenol	4.695	128.0	987937	82.7223	µg/L		100
T 1,3-Dichlorobenzene	4.828	146.0	1261148	82.8469	µg/L	m	99
T 1,4-Dichlorobenzene	4.909	146.0	1299176	85.4357	µg/L	m	96
T 1,2-Dichlorobenzene	5.063	146.0	1172868	78.7329	µg/L	m	98
T Benzyl Alcohol	5.083	108.0	496876	81.4994	µg/L		99
T bis(2-chloroisopropyl)Ether	5.226	121.0	327895	81.5776	µg/L		99
T 2-Methylphenol	5.246	107.0	827847	79.4592	µg/L		100
T N-nitroso-Di-n-propylamine	5.379	70.0	648310	89.2829	µg/L		97
T 4Methylphenol/3Methylphenol	5.430	107.0	1238108	87.7106	µg/L		99
T Hexachloroethane	5.430	117.0	360483	78.5036	µg/L		100

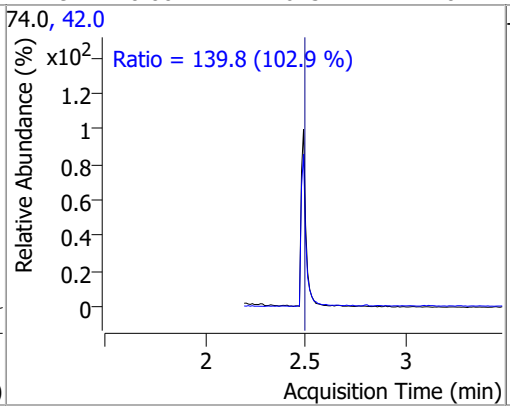
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.532	123.1	340999	90.7017	µg/L		97
T Isophorone	5.818	82.0	1495335	83.1256	µg/L		99
T 2-Nitrophenol	5.890	139.0	351253	85.9449	µg/L		99
T 2,4-Dimethylphenol	6.013	122.0	648663	77.5048	µg/L		96
T bis(-2-Chloroethoxy)Methane	6.085	93.0	827058	78.9347	µg/L		94
T 2,4-Dichlorophenol	6.198	162.0	639351	79.9044	µg/L		97
T Benzoic Acid	6.259	105.0	409805	91.3224	µg/L		89
T 1,2,4-Trichlorobenzene	6.249	180.0	744212	77.7109	µg/L		98
T Naphthalene	6.331	128.0	2351615	82.9533	µg/L		99
T 4-Chlorophenol	6.413	130.0	254446	84.7668	µg/L		96
T p-Chloroaniline	6.434	127.0	872484	78.3988	µg/L		96
T Hexachlorobutadiene	6.496	224.9	411019	82.5099	µg/L		99
T 4-Chloro-2-Methylphenol	6.937	107.0	571111	76.9764	µg/L		100
T 4-Chloro-3-Methylphenol	7.081	107.0	639378	82.6279	µg/L		99
T 2-Methylnaphthalene	7.153	141.0	1317607	81.4928	µg/L		98
T 1-Methylnaphthalene	7.256	141.0	1236329	78.5037	µg/L	m	98
T Hexachlorocyclopentadiene	7.338	236.9	236779	78.3658	µg/L		99
T 2,4,6-Trichlorophenol	7.523	196.0	443943	83.8983	µg/L	m	97
T 2,4,5-Trichlorophenol	7.574	196.0	482884	81.7351	µg/L	m	95
T 2-Chloronaphthalene	7.718	162.0	1415405	78.7346	µg/L		98
T 2-Nitroaniline	7.892	65.0	281563	87.3957	µg/L		98
T Dimethyl Phthalate	8.139	163.0	1486935	82.0814	µg/L		99
T 2,6-Dinitrotoluene	8.190	165.0	186137	75.0361	µg/L		95
T Acenaphthylene	8.200	152.1	2246215	78.1389	µg/L		99
T 3-Nitroaniline	8.405	138.0	236751	83.5436	µg/L		99
T Acenaphthene	8.415	154.0	1221307	73.6642	µg/L		99
T 2,4-Dinitrophenol	8.517	184.0	107509	84.5041	µg/L		91
T Dibenzofuran	8.630	168.0	2113432	77.9726	µg/L		97
T 2,4-Dinitrotoluene	8.671	165.0	246962	79.6333	µg/L		98
T 4-Nitrophenol	8.722	109.0	245597	80.2049	µg/L		96
T Diethylphthalate	8.998	149.0	1474023	78.6490	µg/L		99
T Fluorene	9.039	166.0	1619598	74.6154	µg/L		99
T 4-Chlorophenyl-phenylether	9.080	204.0	801375	82.0944	µg/L		99
T 4-Nitroaniline	9.151	138.0	268516	87.0446	µg/L		98
T 4,6-Dinitro-2-methylphenol	9.162	198.0	160172	84.9611	µg/L		97
T N-nitrosodiphenylamine	9.233	169.0	1183253	82.1880	µg/L		99
T Azobenzene	9.264	77.0	1474038	77.6459	µg/L		95
T 4-Bromophenyl-phenylether	9.663	248.0	459431	83.9737	µg/L		98
T Hexachlorobenzene	9.694	283.9	476701	86.0750	µg/L		97
T Pentachlorophenol	9.968	265.9	223802	85.7198	µg/L		93
T Phenanthrene	10.191	178.0	2396277	80.0606	µg/L		99
T Anthracene	10.252	178.0	2307793	81.7333	µg/L	m	100
T Triallate	10.313	86.0	544590	80.7935	µg/L		100
T Carbazole	10.495	167.0	2167797	75.7167	µg/L		100
T o-Terphenyl	10.708	230.0	1261539	79.4148	µg/L		99
T Di-n-Butylphthalate	11.082	149.0	2375148	86.6145	µg/L		100
T Fluoranthene	11.964	202.0	2395113	79.8760	µg/L		99
T Benzidine	12.348	184.0	792292	74.6477	µg/L		99
T Pyrene	12.389	202.0	2594483	79.3038	µg/L		99
T Butylbenzylphthalate	14.326	149.0	818810	84.6100	µg/L		98
T Benzo(a)Anthracene	15.532	228.0	2024476	80.3136	µg/L		98
T Chrysene	15.645	228.0	2152138	76.1388	µg/L		99
T 3,3-Dichlorobenzidine	15.696	252.0	706232	79.0940	µg/L		99
T bis(2-ethylhexyl)Phthalate	16.381	167.0	287757	85.9649	µg/L		98
T Di-n-octyl Phthalate	18.143	149.0	1972760	82.4284	µg/L		99

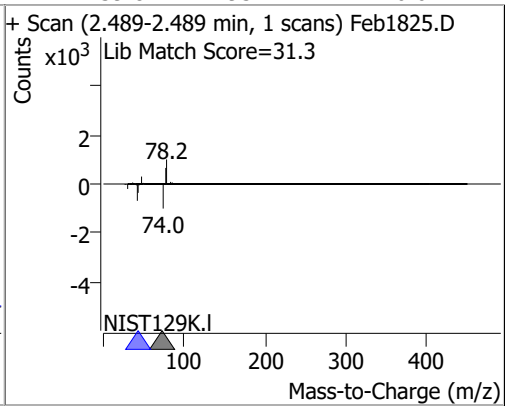
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.386	252.0	1865269	71.0289	µg/L	99
T Benzo(k)fluoranthene	18.457	252.0	2052306	74.5492	µg/L	99
T Benzo(a)pyrene	18.993	252.0	1838842	74.1962	µg/L	98
T Indeno(1,2,3-c,d)pyrene	20.765	276.0	1549497	74.4928	µg/L	96
T Dibenzo(a,h)anthracene	20.826	278.0	1627250	71.8896	µg/L	98
T Benzo(g,h,i)perylene	21.100	276.0	1802572	75.1899	µg/L	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

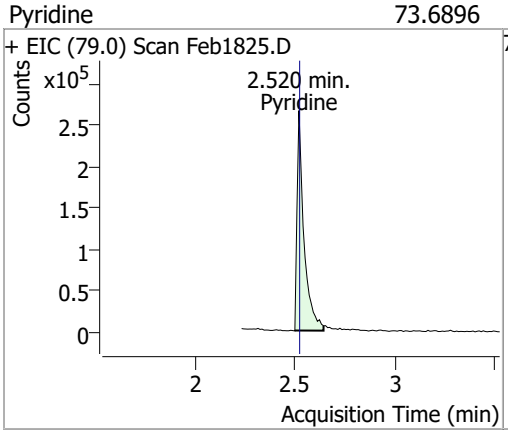
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	77.2010	2.49	0.00	246152	42.0	139.8	95.1	176.6

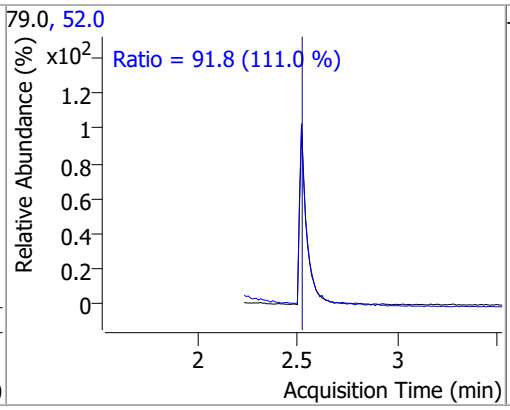


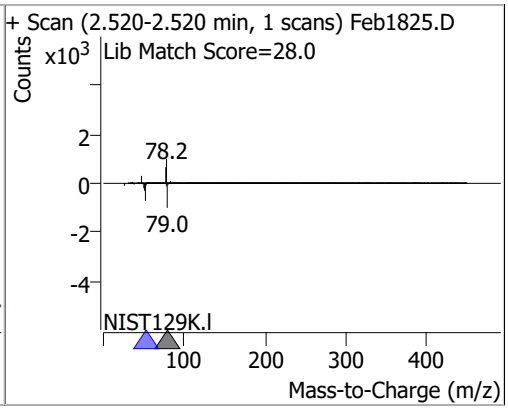




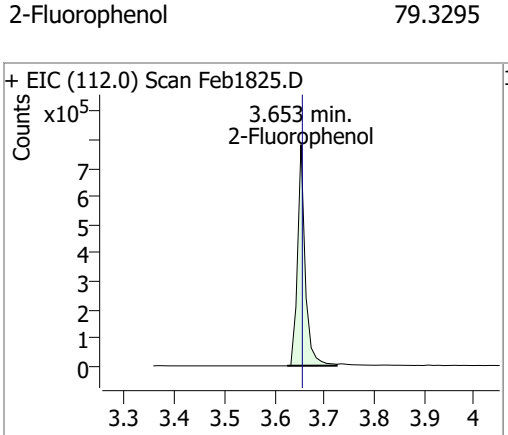
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	73.6896	2.52	-0.01	589943	52.0	91.8	57.9	107.6

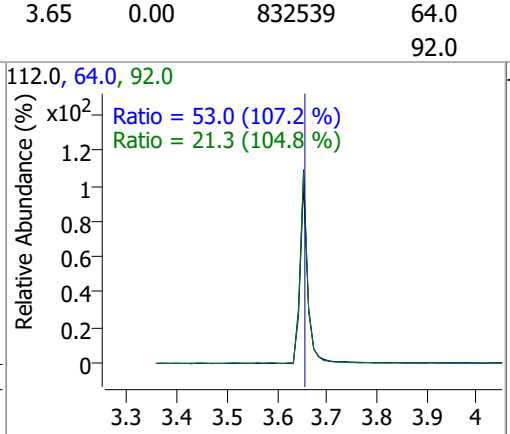


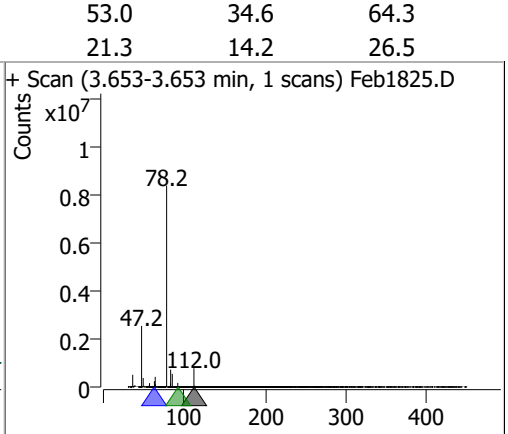




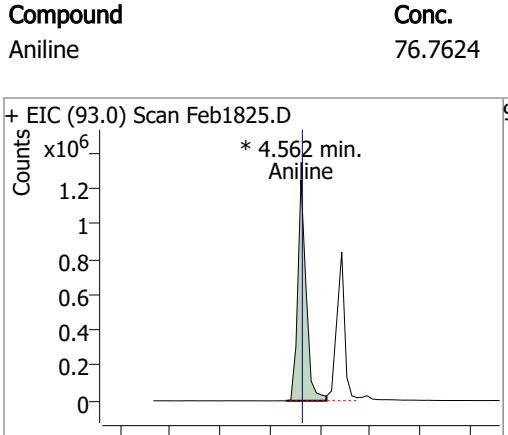
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	79.3295	3.65	0.00	832539	64.0	53.0	34.6	64.3
					92.0	21.3	14.2	26.5

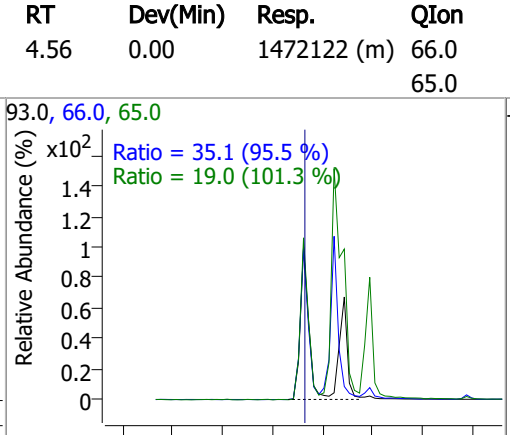


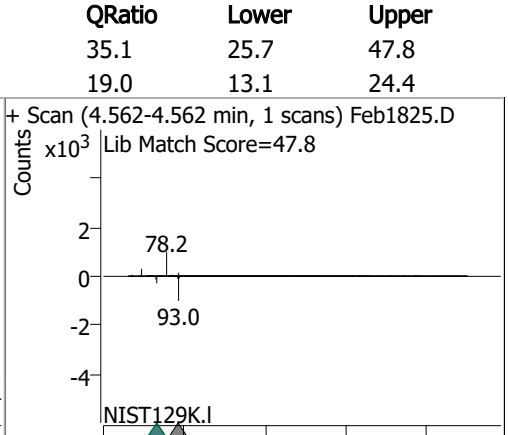




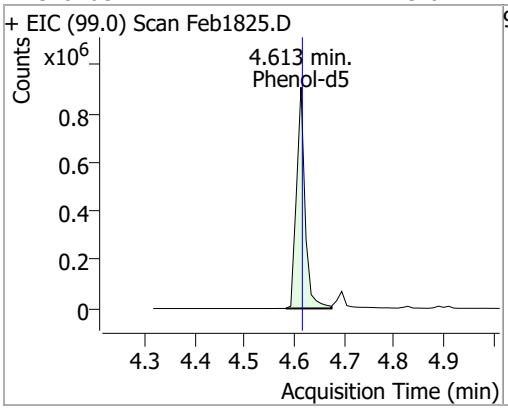
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	76.7624	4.56	0.00	1472122 (m)	66.0	35.1	25.7	47.8
					65.0	19.0	13.1	24.4

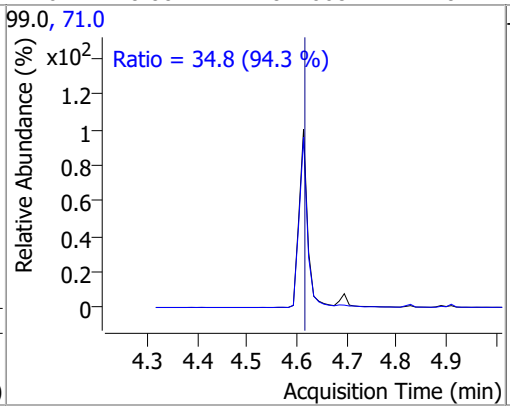


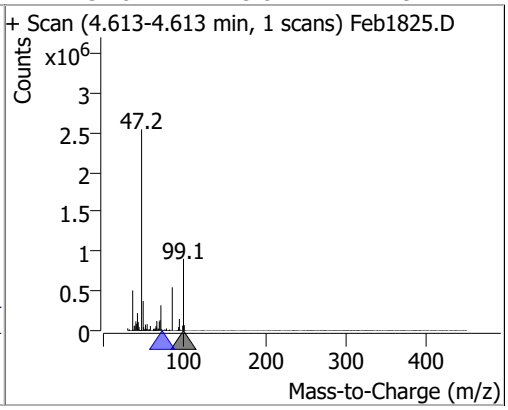




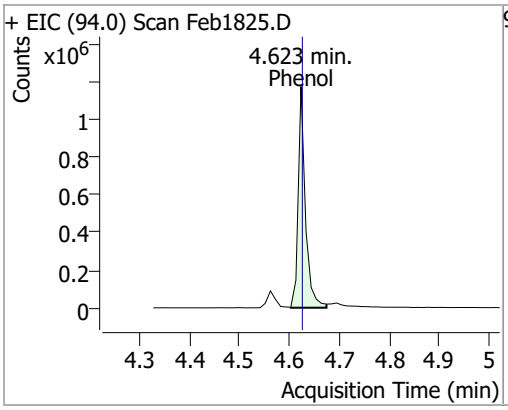
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	79.6174	4.61	0.00	1072668	71.0	34.8	25.8	47.9

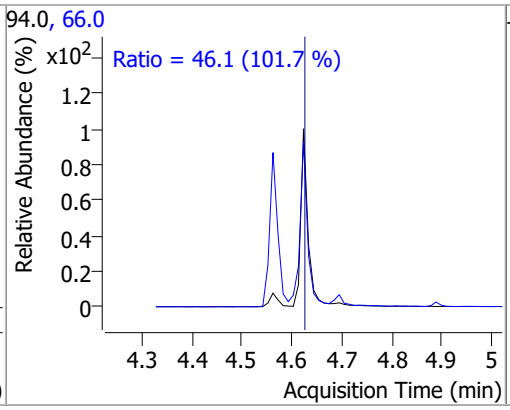


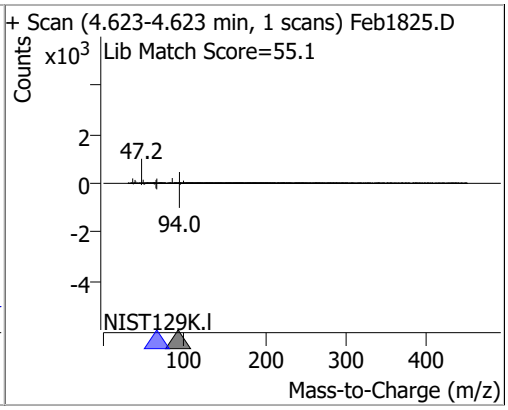




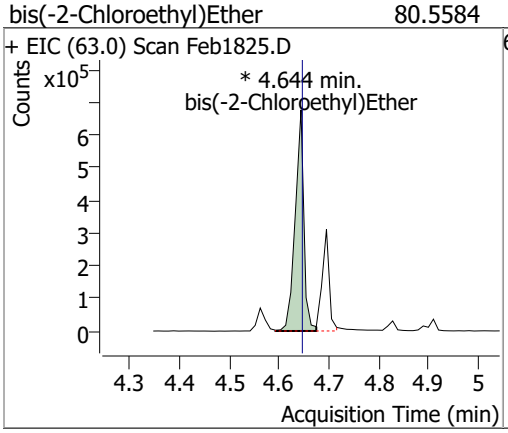
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	77.6949	4.62	0.00	1166562	66.0	46.1	31.7	58.9

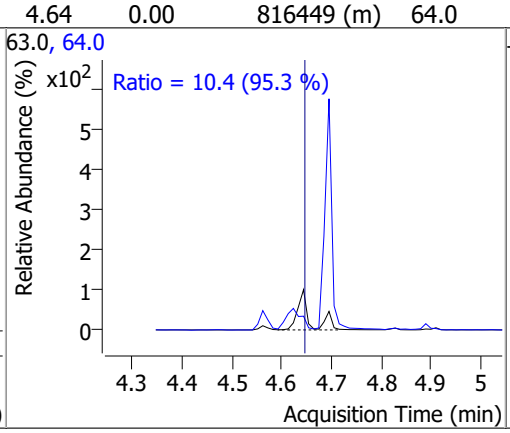


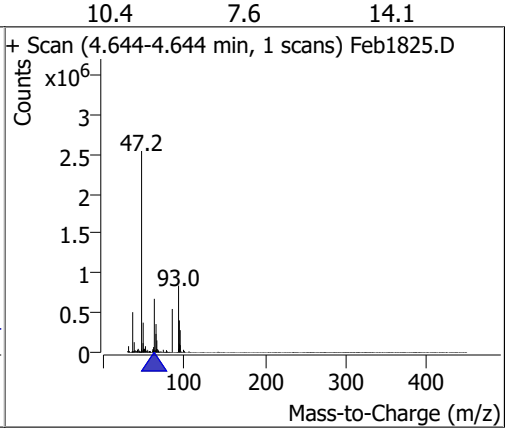




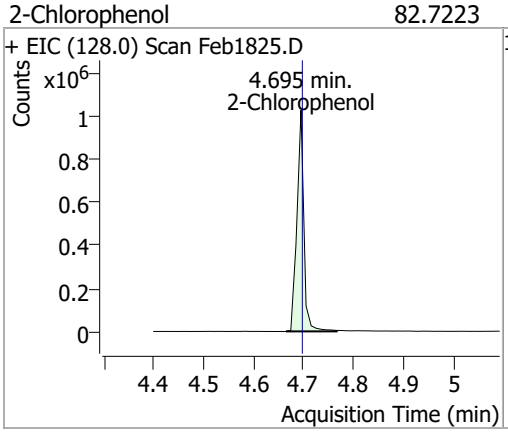
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	80.5584	4.64	0.00	816449 (m)	64.0	10.4	7.6	14.1

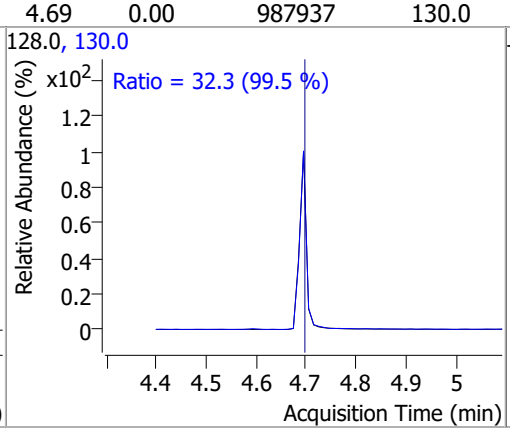


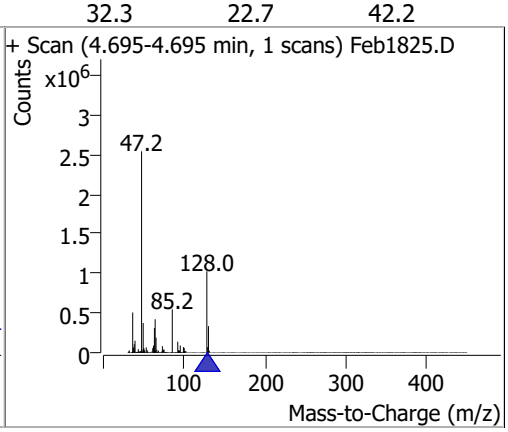




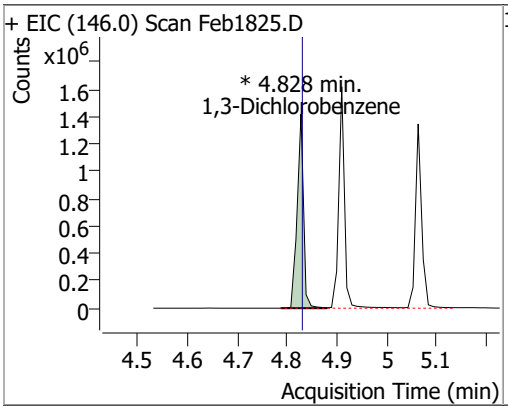
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	82.7223	4.69	0.00	987937	130.0	32.3	22.7	42.2

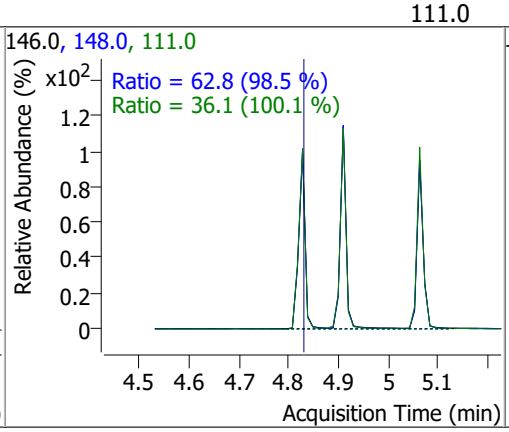


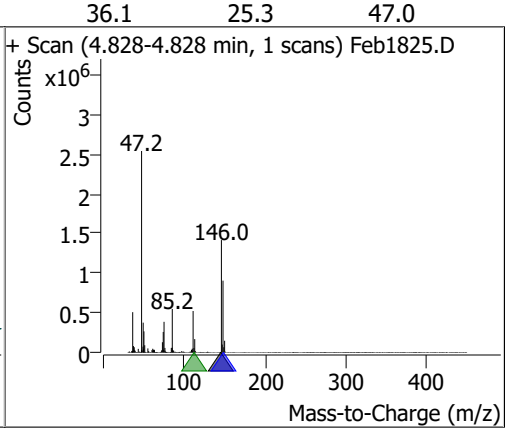




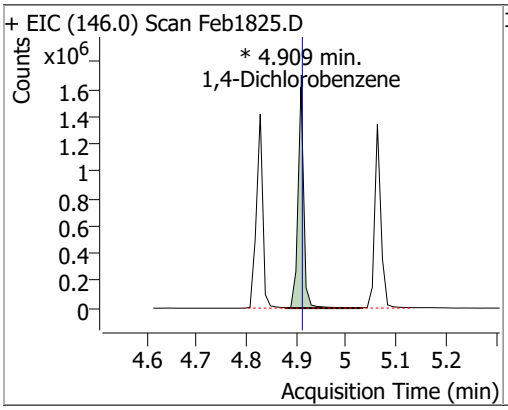
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	82.8469	4.83	0.00	1261148 (m)	148.0	62.8	44.6	82.8
					111.0	36.1	25.3	47.0

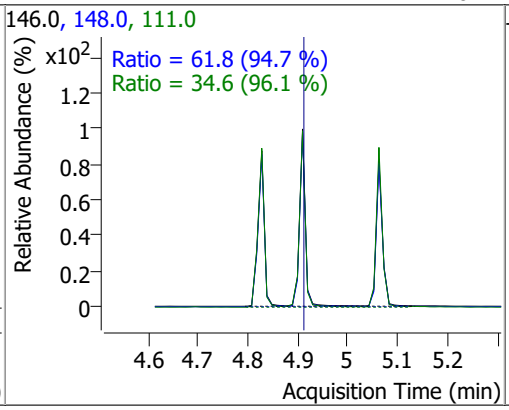


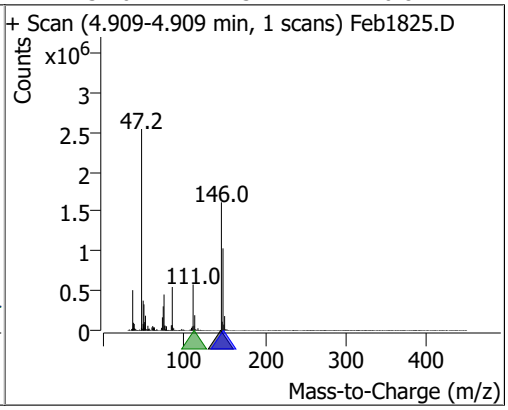




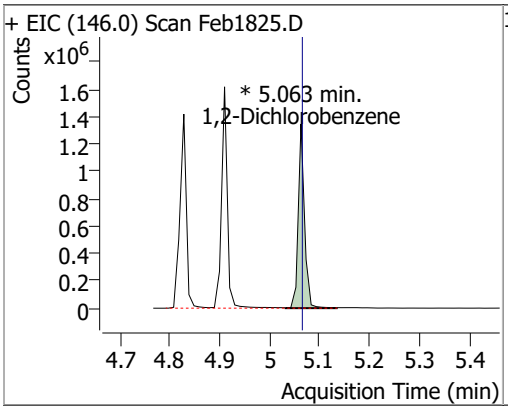
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	85.4357	4.91	0.00	1299176 (m)	148.0	61.8	45.6	84.8
					111.0	34.6	25.2	46.8

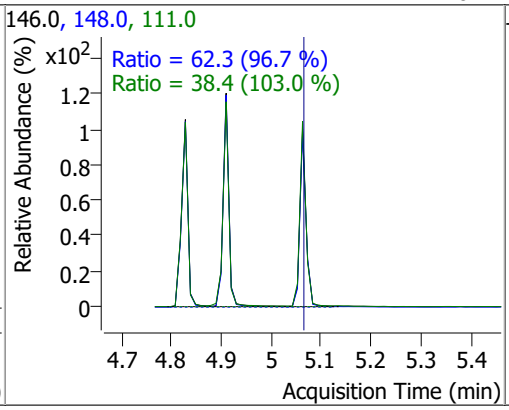


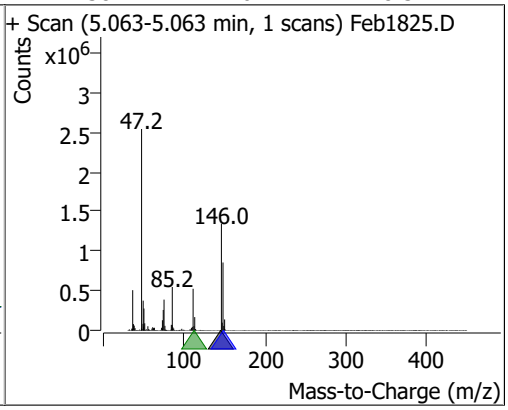




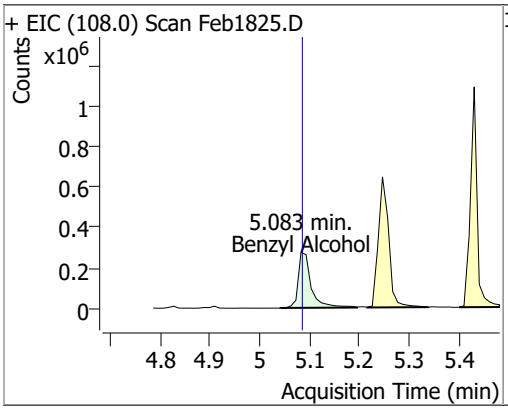
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	78.7329	5.06	0.00	1172868 (m)	148.0	62.3	45.1	83.8
					111.0	38.4	26.1	48.5

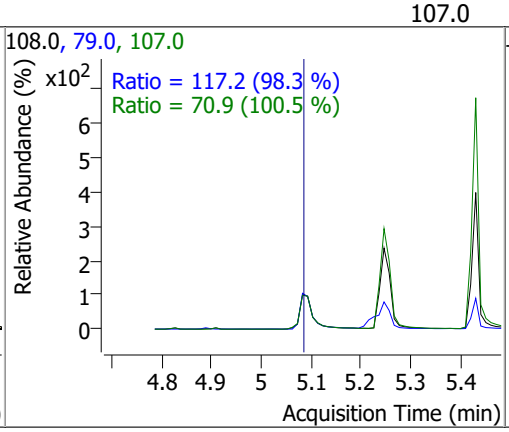


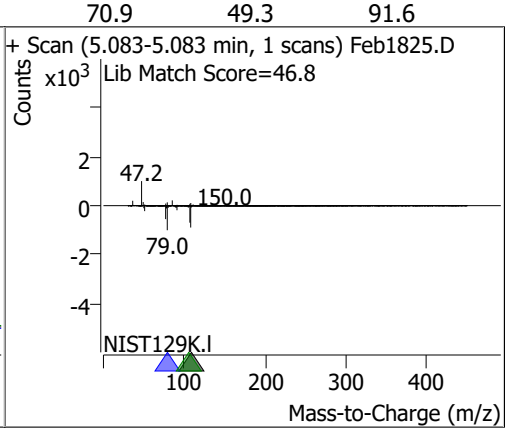




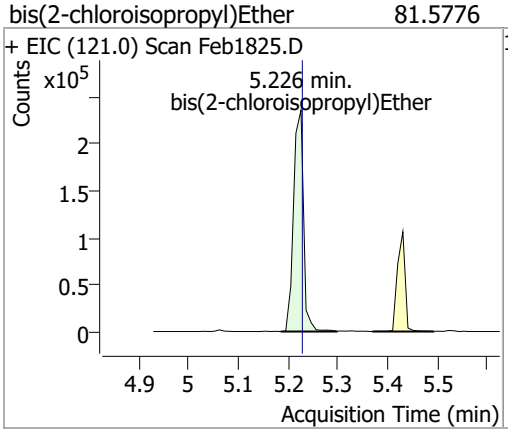
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	81.4994	5.08	0.00	496876	79.0	117.2	83.5	155.1
					107.0	70.9	49.3	91.6

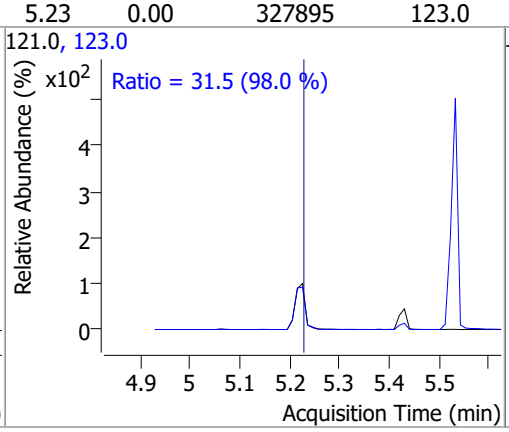


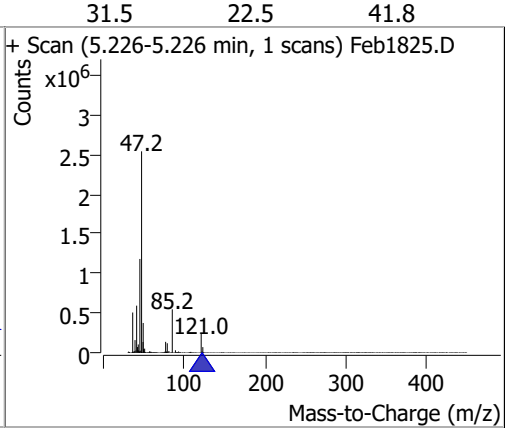




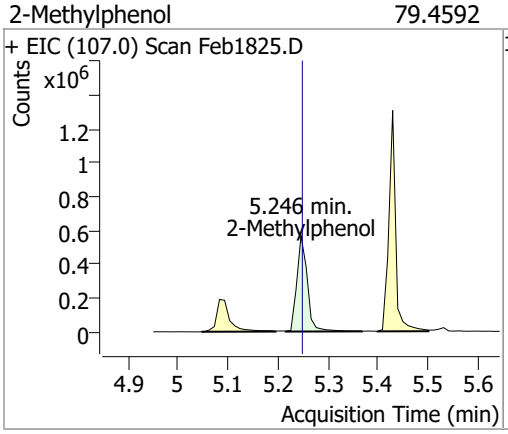
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	81.5776	5.23	0.00	327895	123.0	31.5	22.5	41.8

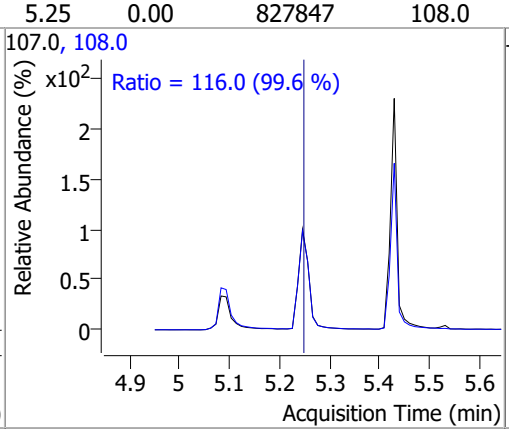


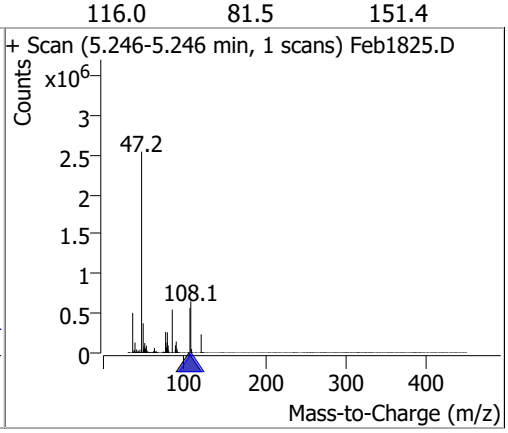




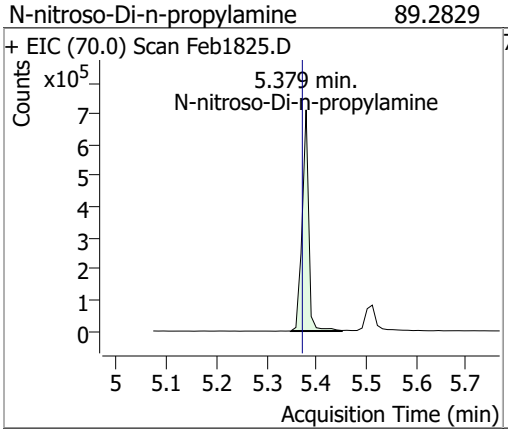
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	79.4592	5.25	0.00	827847	108.0	116.0	81.5	151.4

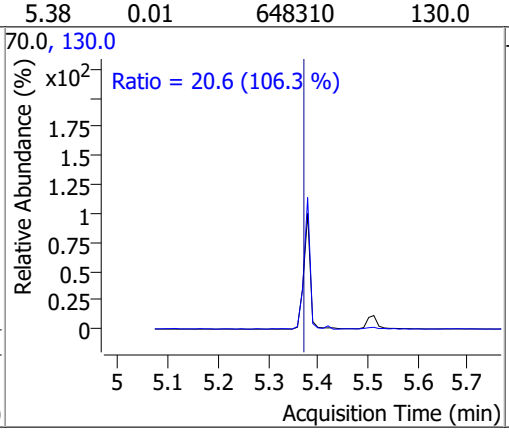


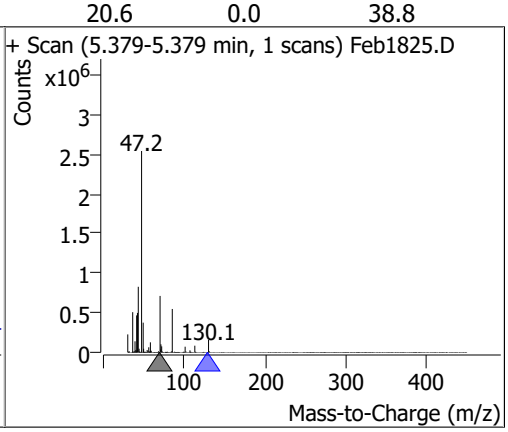




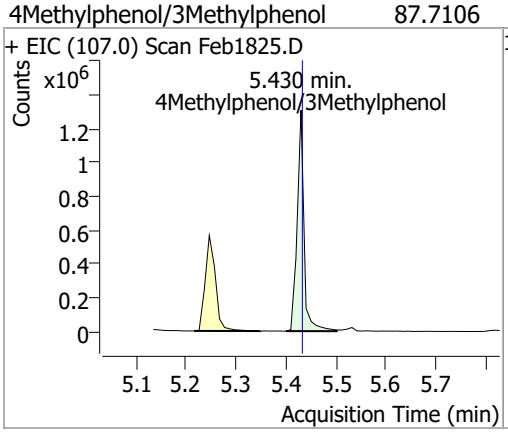
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	89.2829	5.38	0.01	648310	130.0	20.6	0.0	38.8

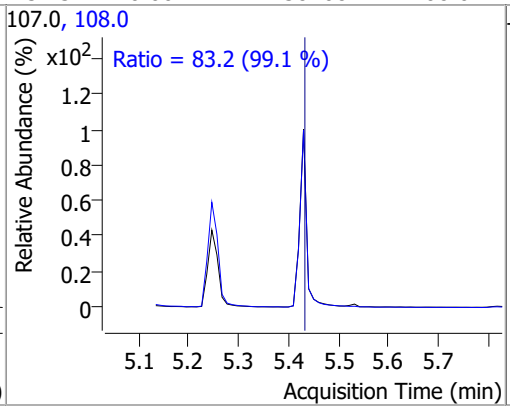


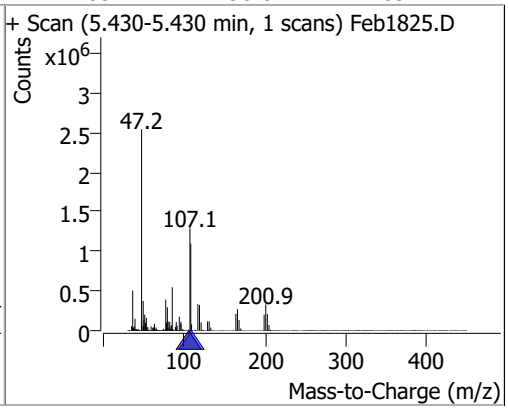




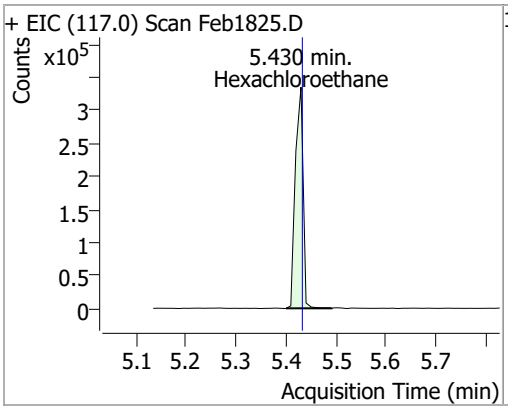
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	87.7106	5.43	0.00	1238108	108.0	83.2	58.8	109.1

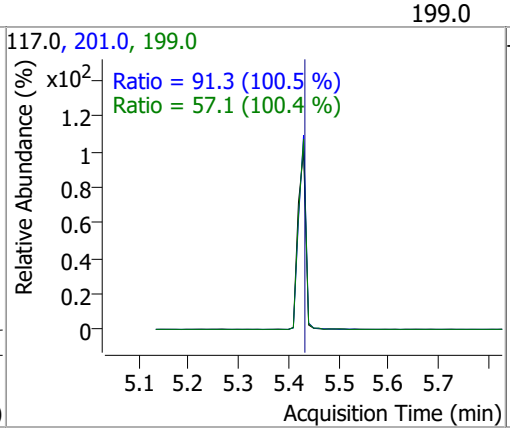


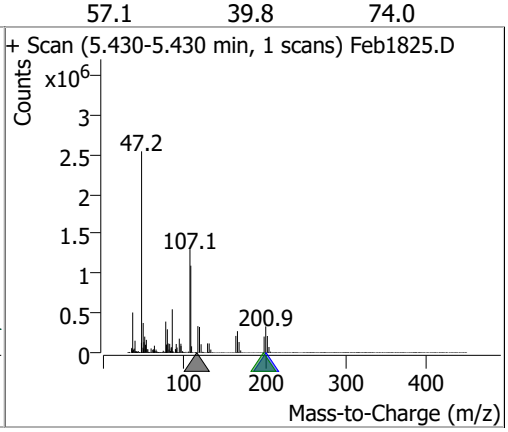




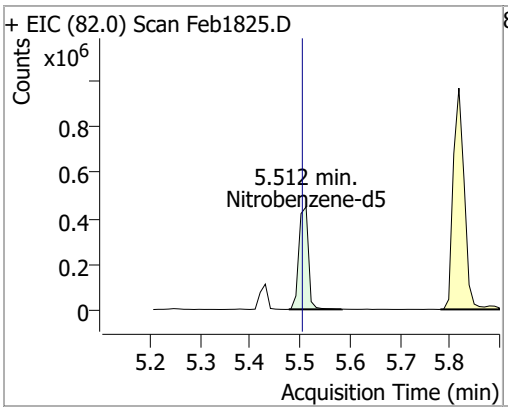
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	78.5036	5.43	0.00	360483	201.0	91.3	63.5	118.0
					199.0	57.1	39.8	74.0

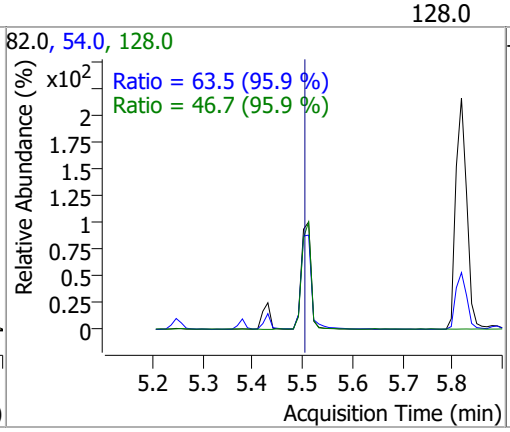


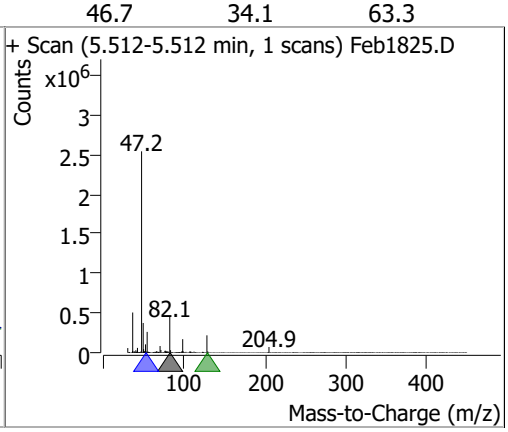




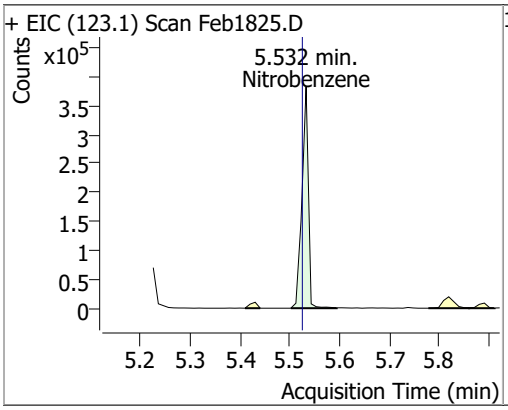
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	79.9515	5.51	0.01	601600	54.0	63.5	46.3	86.0
					128.0	46.7	34.1	63.3

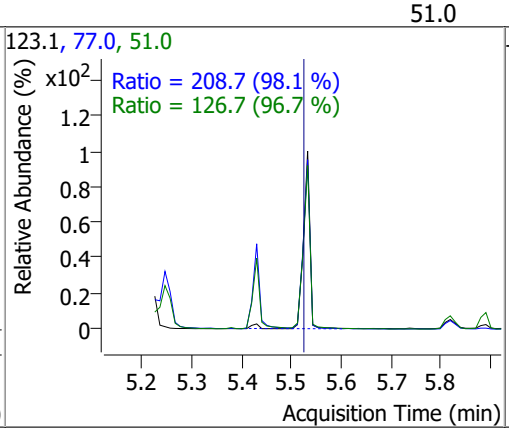


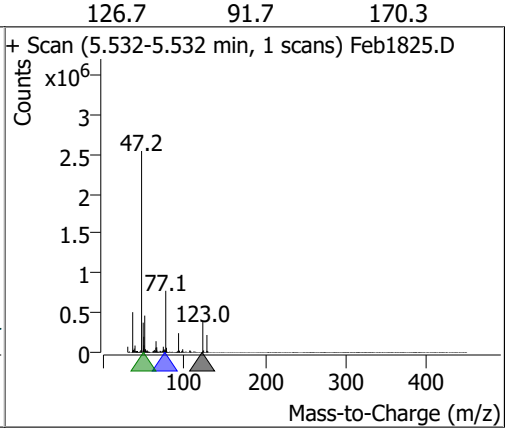




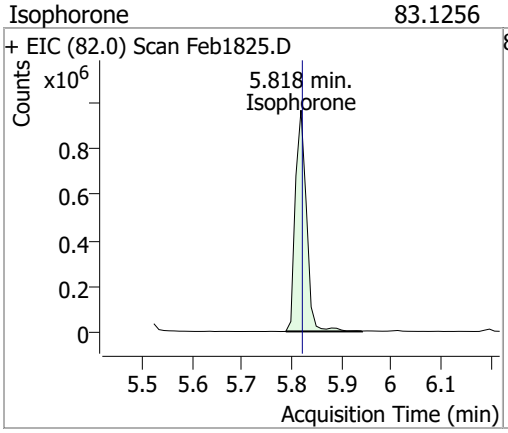
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	90.7017	5.53	0.01	340999	77.0	208.7	148.9	276.5
					51.0	126.7	91.7	170.3

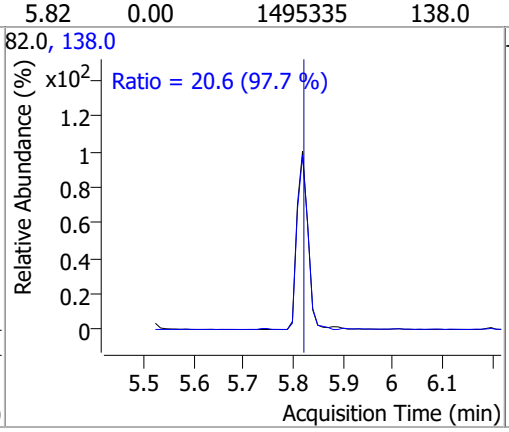


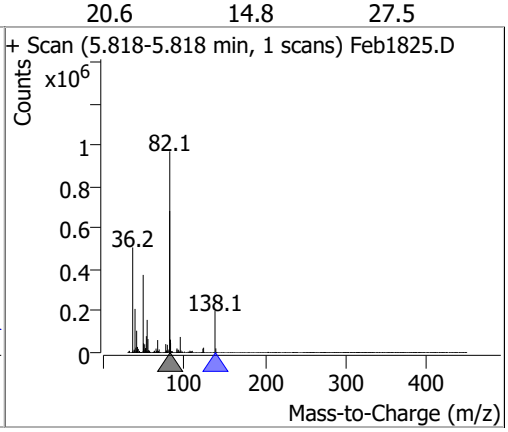




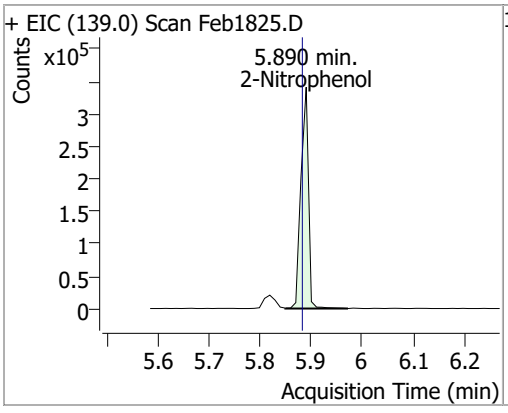
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	83.1256	5.82	0.00	1495335	138.0	20.6	14.8	27.5

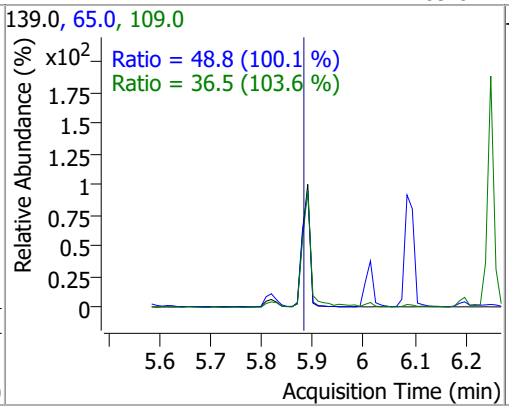


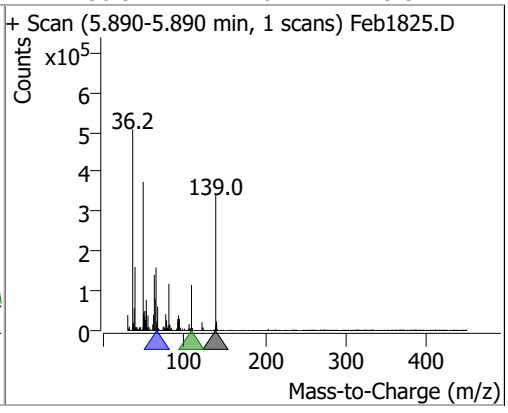




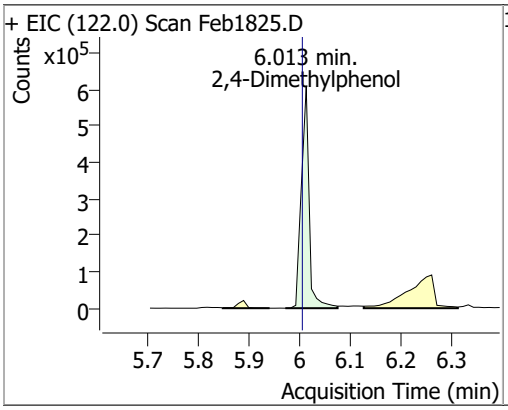
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	85.9449	5.89	0.01	351253	65.0	48.8	34.2	63.4
					109.0	36.5	24.6	45.8

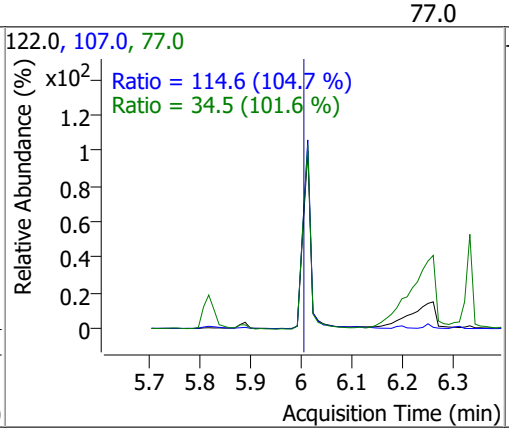


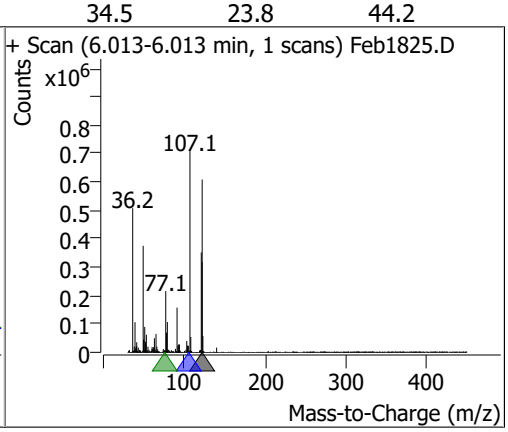




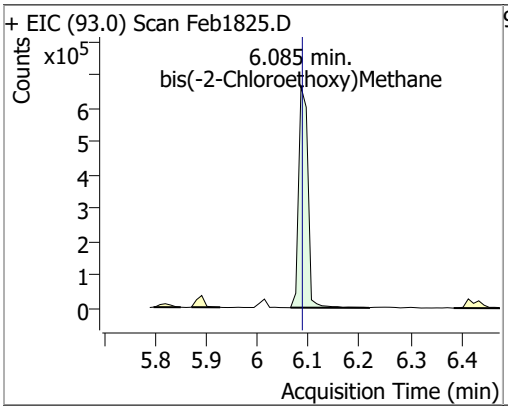
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	77.5048	6.01	0.01	648663	107.0	114.6	76.6	142.3
					77.0	34.5	23.8	44.2

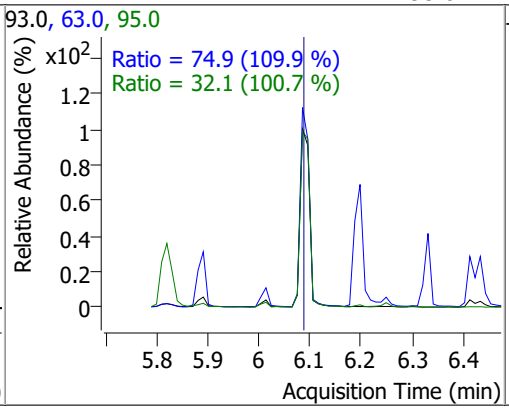


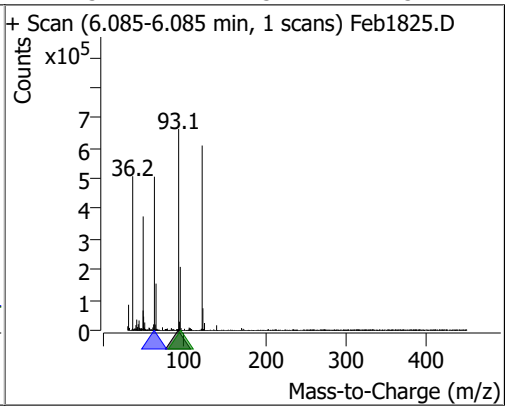




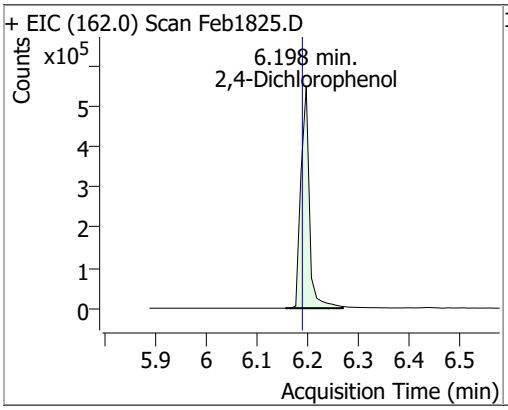
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	78.9347	6.08	0.00	827058	63.0	74.9	47.7	88.6
					95.0	32.1	22.3	41.5

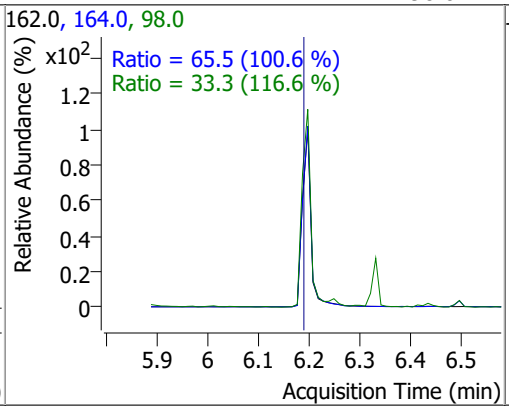


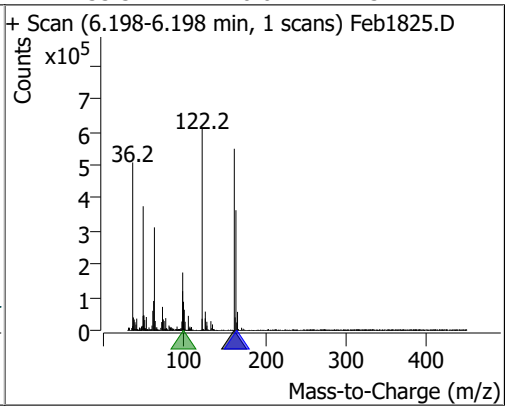




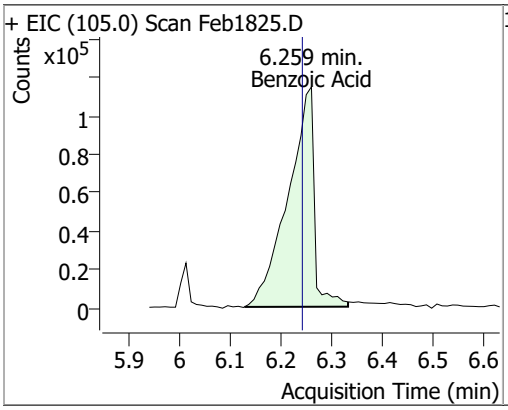
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	79.9044	6.20	0.01	639351	164.0	65.5	45.5	84.5
					98.0	33.3	20.0	37.1

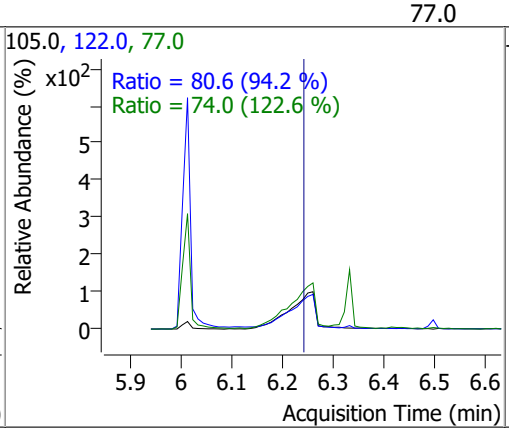


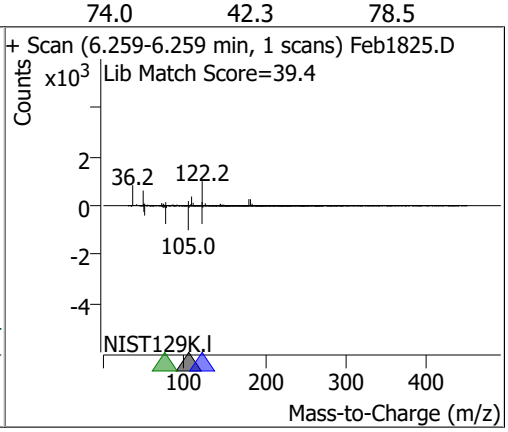




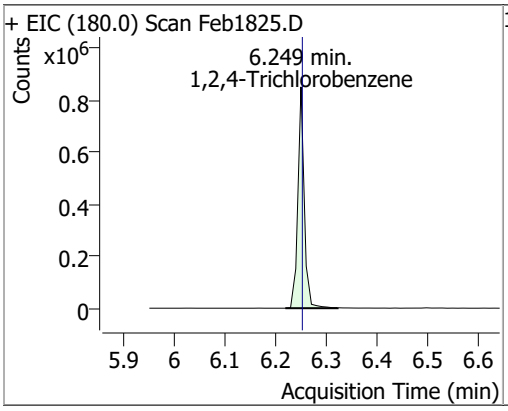
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	91.3224	6.26	0.02	409805	122.0	80.6	59.9	111.2
					77.0	74.0	42.3	78.5

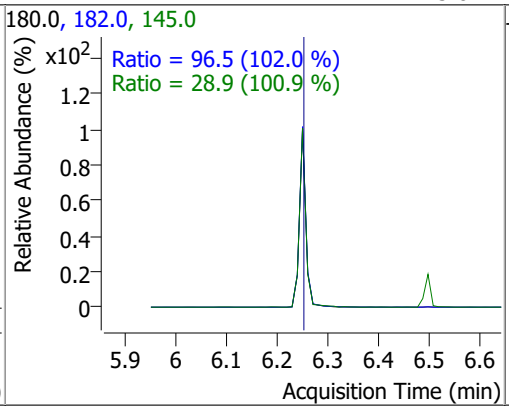


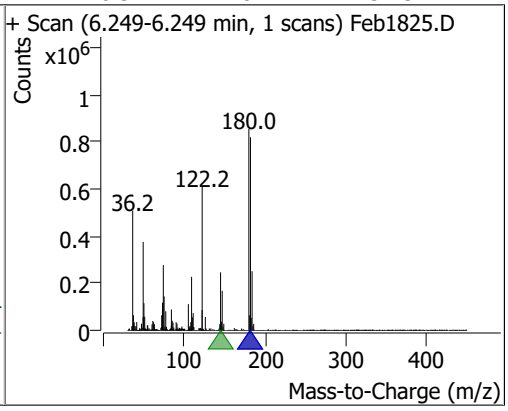




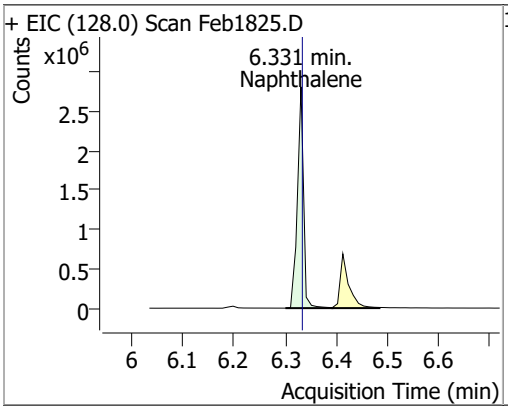
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	77.7109	6.25	0.00	744212	182.0	96.5	66.2	122.9
					145.0	28.9	20.1	37.3

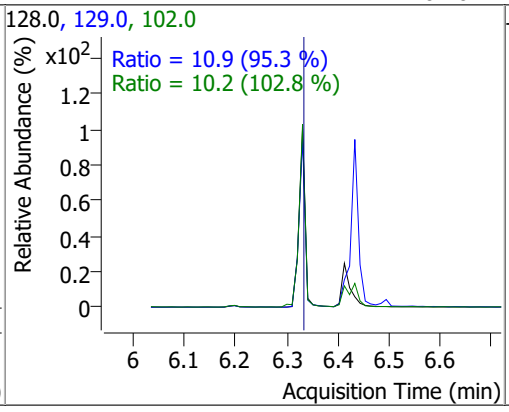


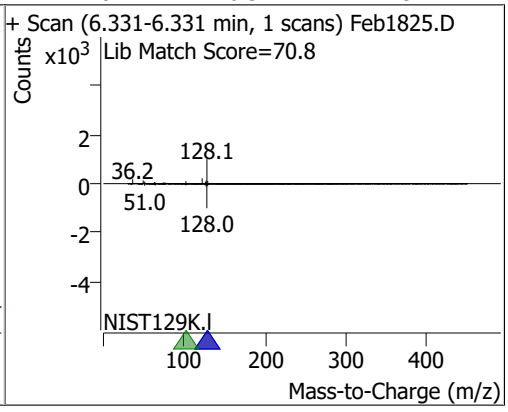




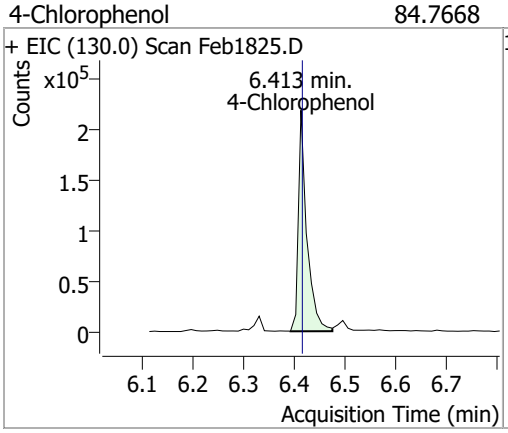
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	82.9533	6.33	0.00	2351615	129.0	10.9	8.0	14.9
					102.0	10.2	6.9	12.9

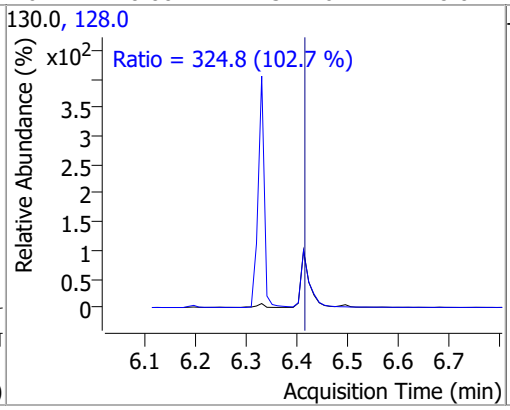


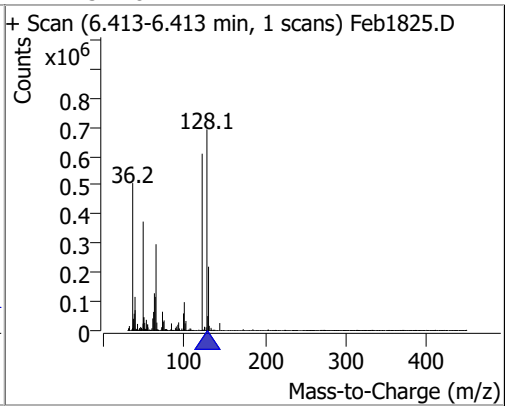




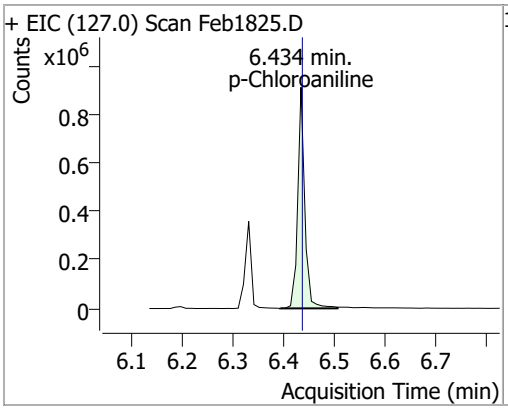
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	84.7668	6.41	0.00	254446	128.0	324.8	221.4	411.2

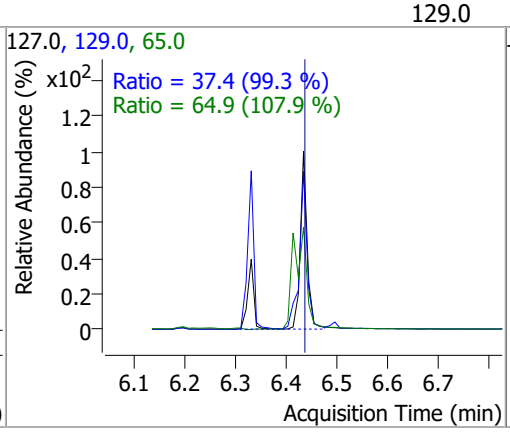


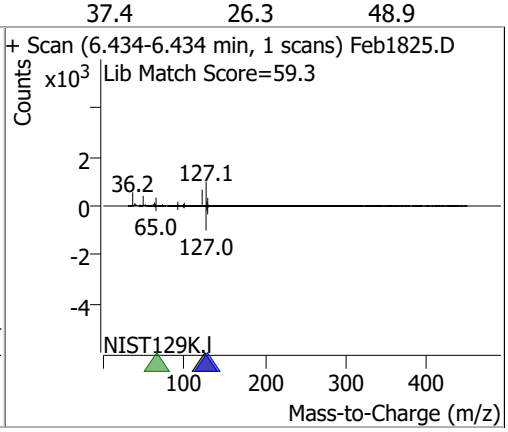




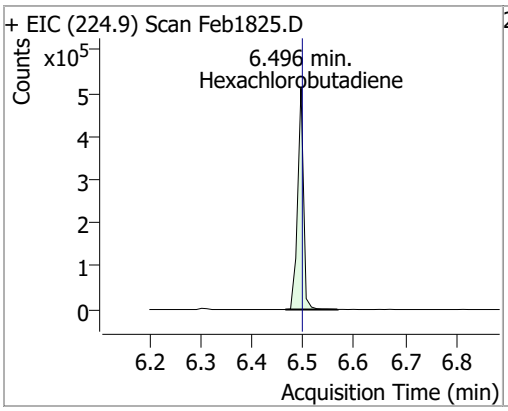
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	78.3988	6.43	0.00	872484	65.0	64.9	42.1	78.2
					129.0	37.4	26.3	48.9

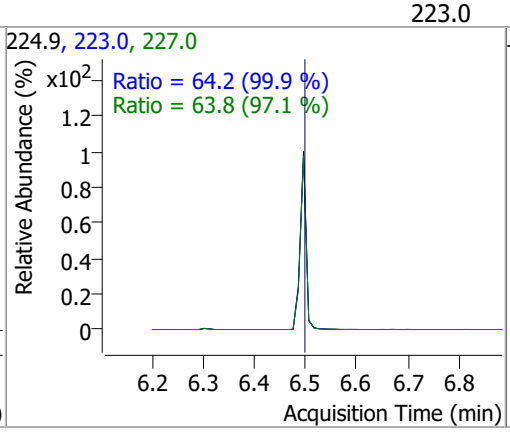


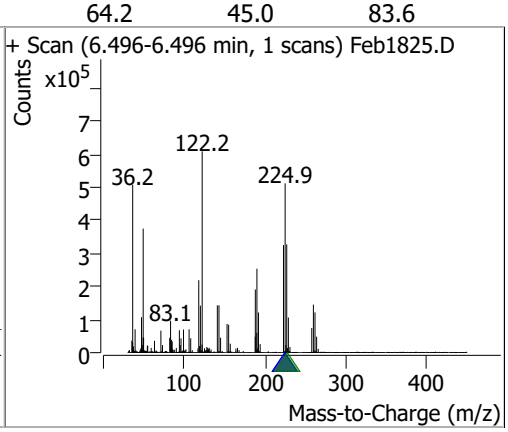




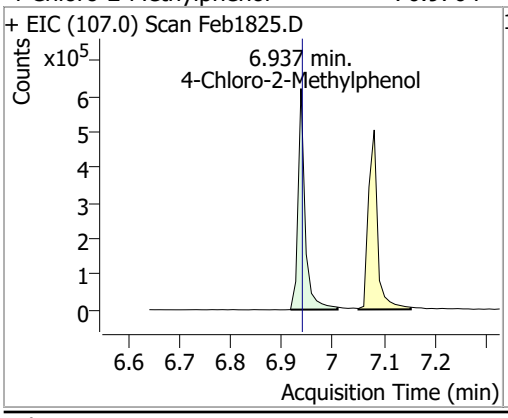
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	82.5099	6.50	0.00	411019	227.0	63.8	46.0	85.4
					223.0	64.2	45.0	83.6

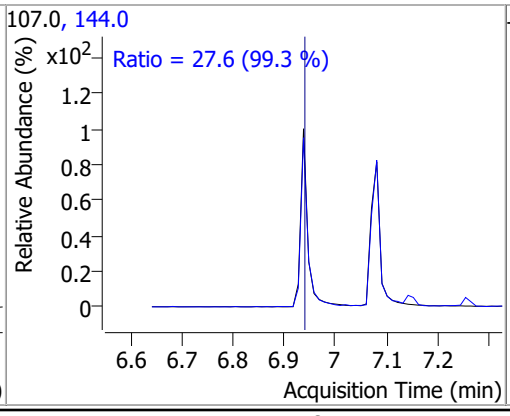


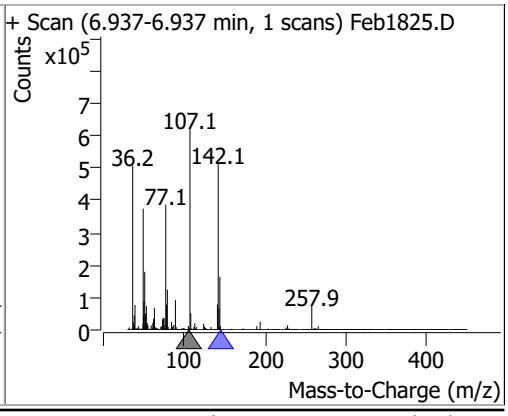




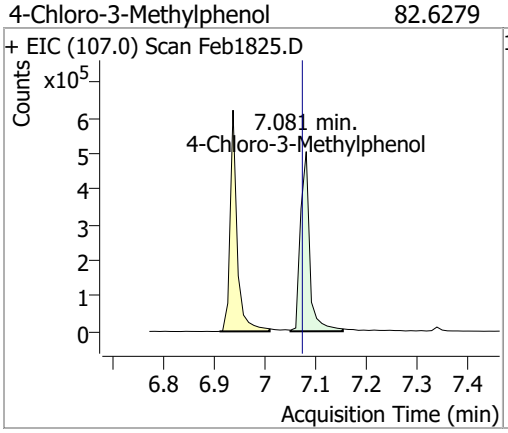
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	76.9764	6.94	0.00	571111	144.0	27.6	19.4	36.1

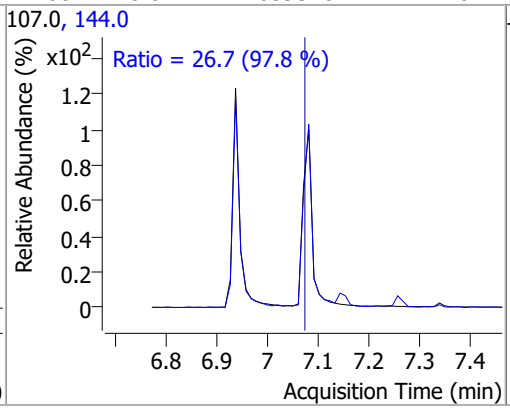


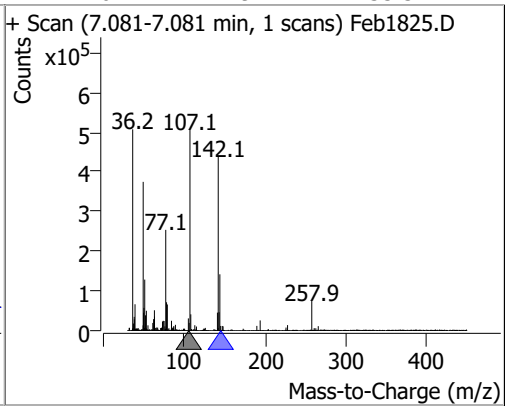




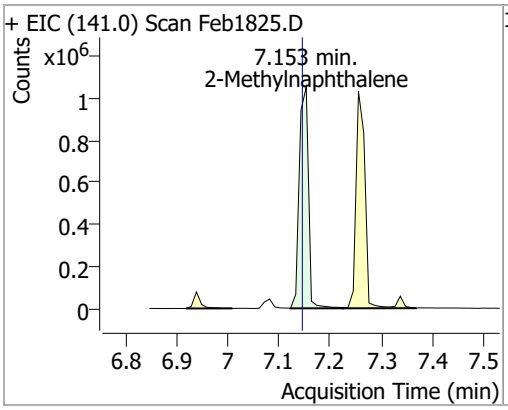
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	82.6279	7.08	0.01	639378	144.0	26.7	19.1	35.5

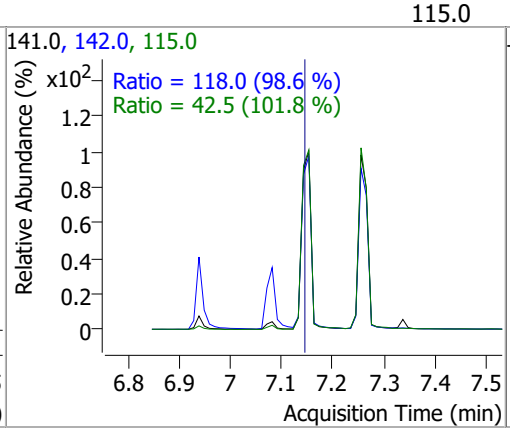


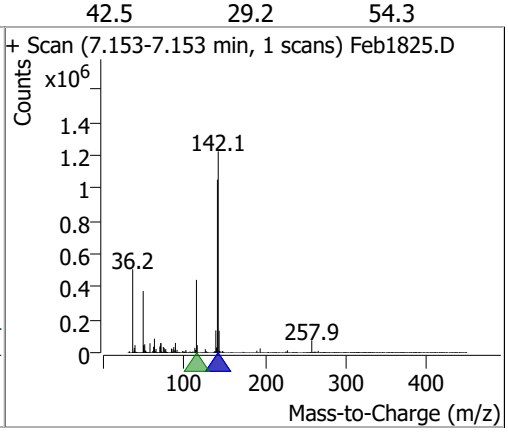




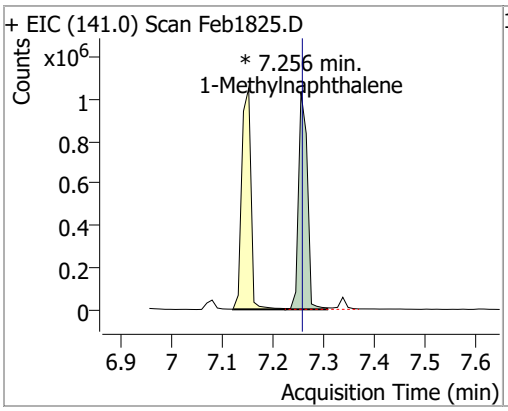
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	81.4928	7.15	0.01	1317607	142.0	118.0	83.8	155.7
					115.0	42.5	29.2	54.3

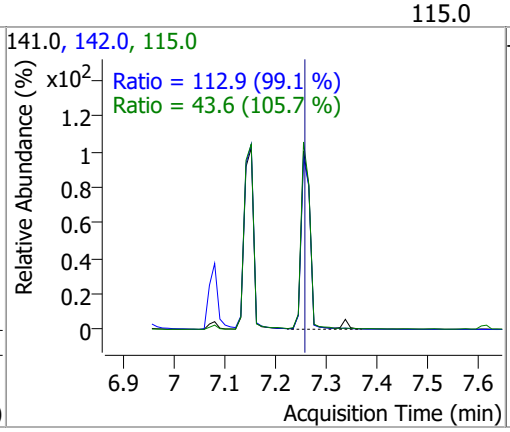


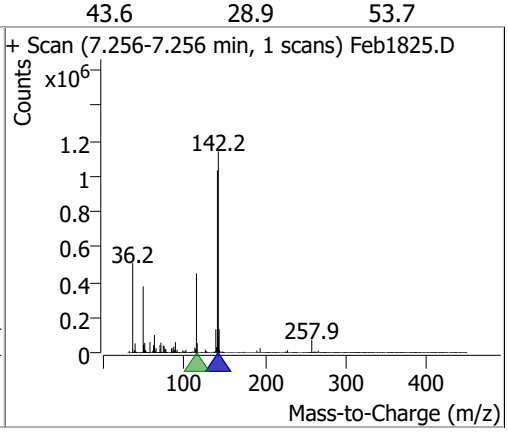




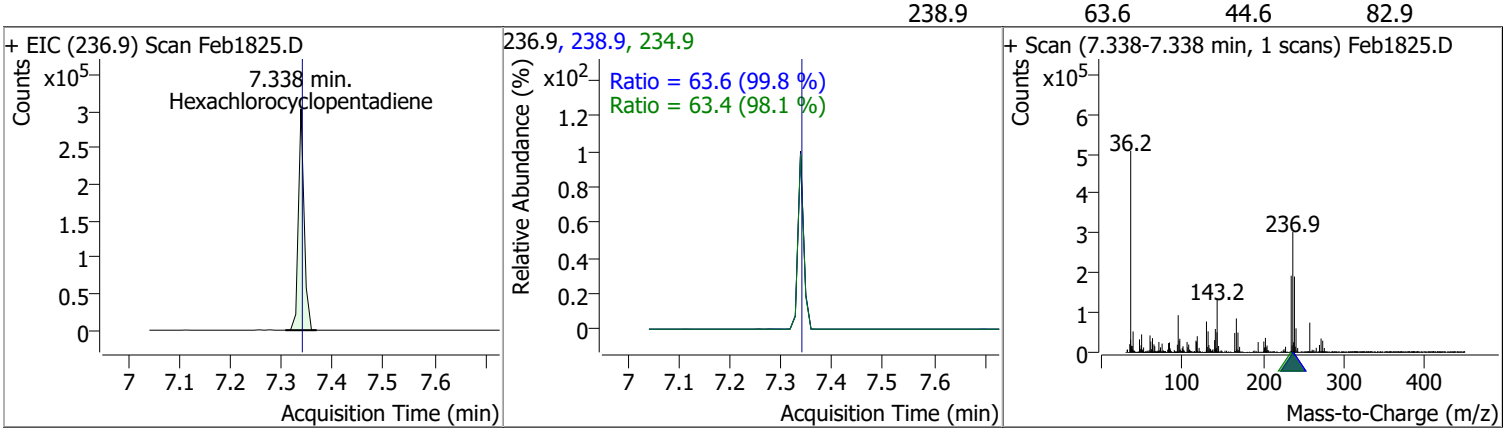
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	78.5037	7.26	0.00	1236329 (m)	142.0	112.9	79.8	148.2
					115.0	43.6	28.9	53.7



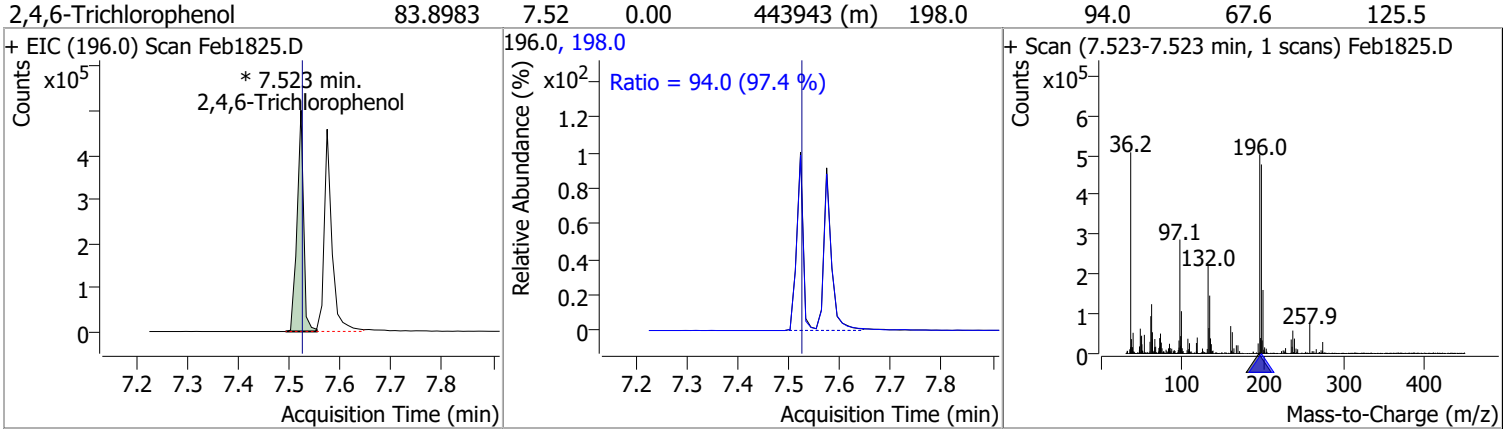




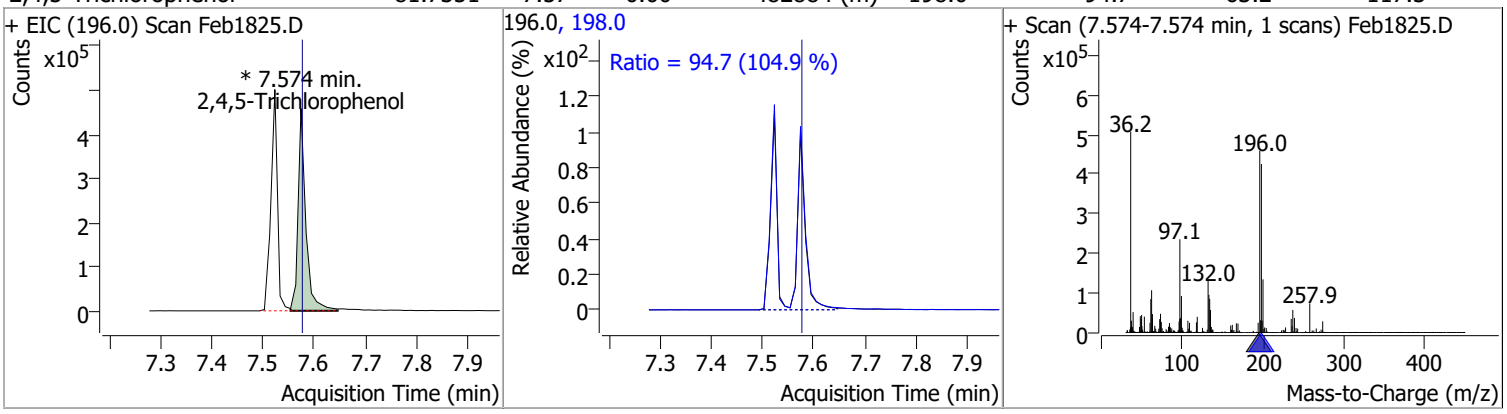
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	78.3658	7.34	0.00	236779	234.9	63.4	45.2	84.0
					238.9	63.6	44.6	82.9



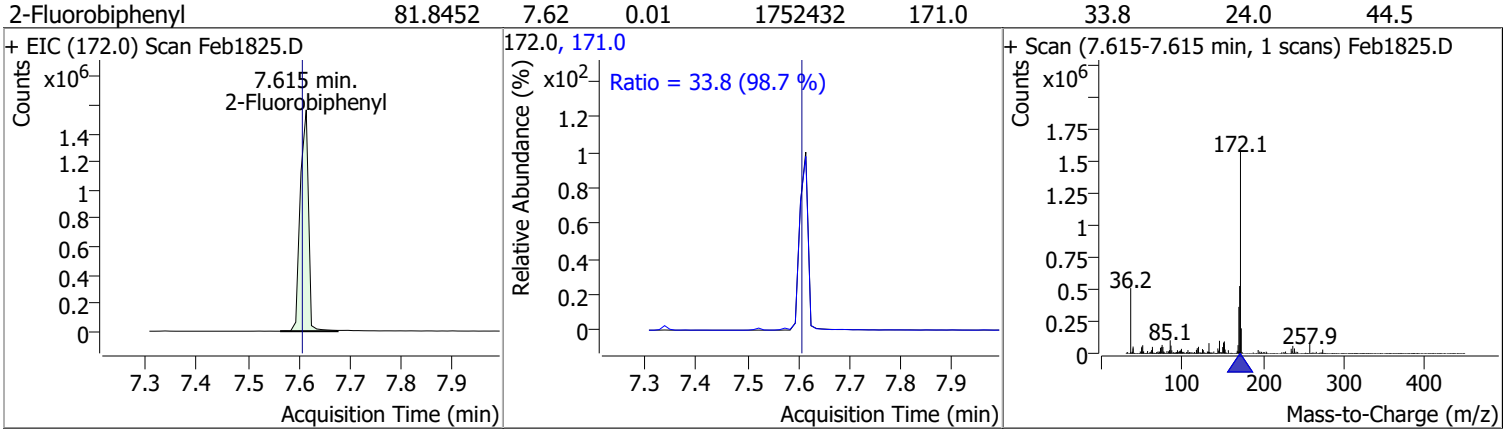
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	83.8983	7.52	0.00	443943 (m)	198.0	94.0	67.6	125.5



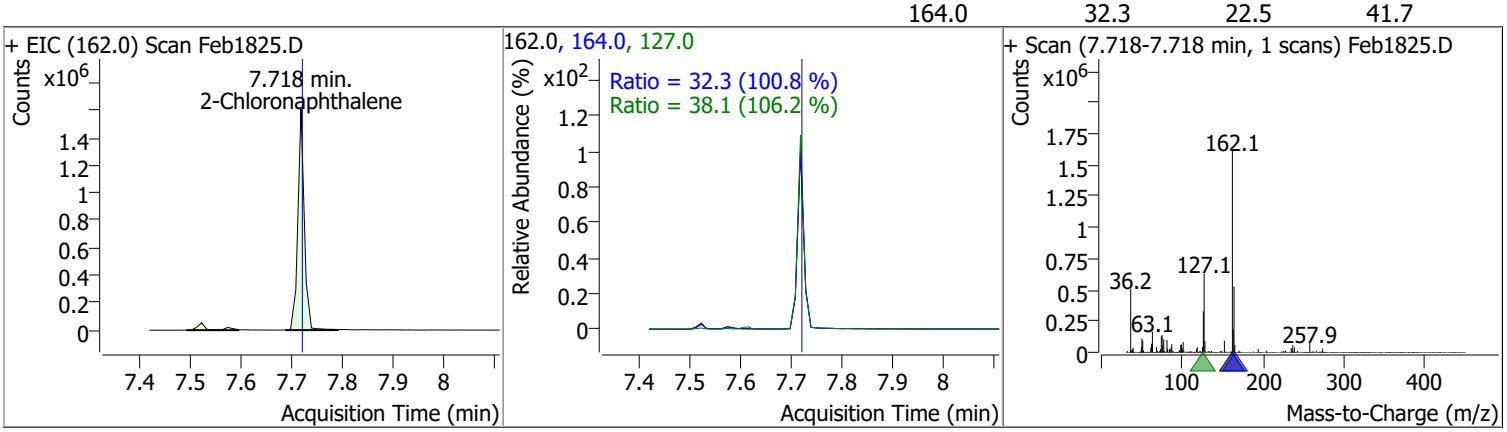
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	81.7351	7.57	0.00	482884 (m)	198.0	94.7	63.2	117.3



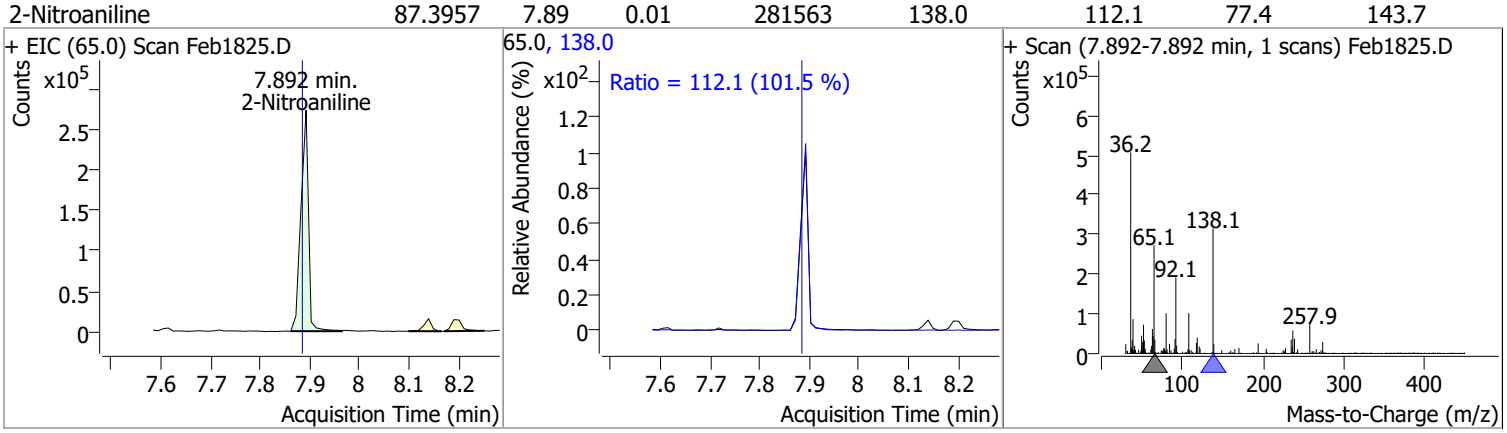
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	81.8452	7.62	0.01	1752432	171.0	33.8	24.0	44.5



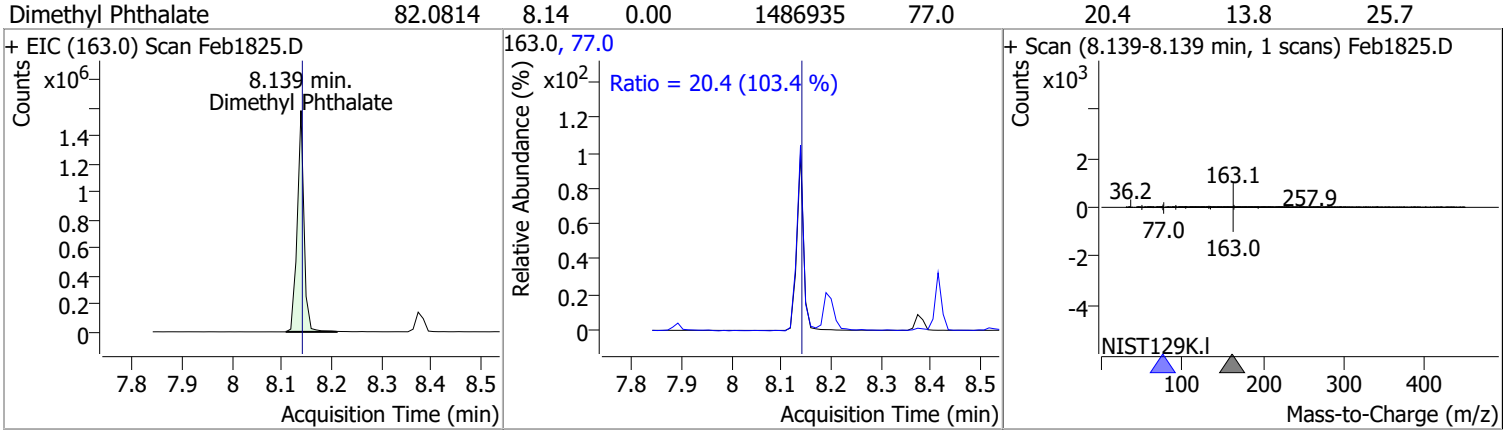
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	78.7346	7.72	0.00	1415405	127.0	38.1	25.1	46.7
					164.0	32.3	22.5	41.7



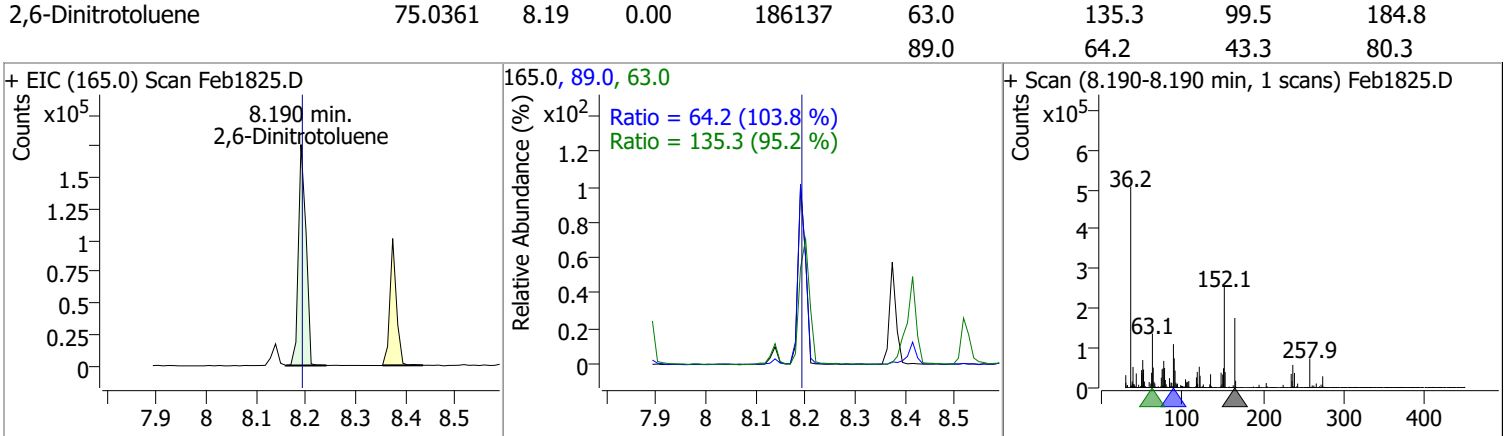
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	87.3957	7.89	0.01	281563	138.0	112.1	77.4	143.7



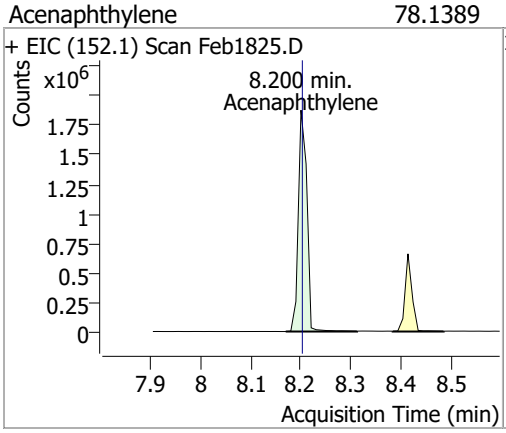
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	82.0814	8.14	0.00	1486935	77.0	20.4	13.8	25.7

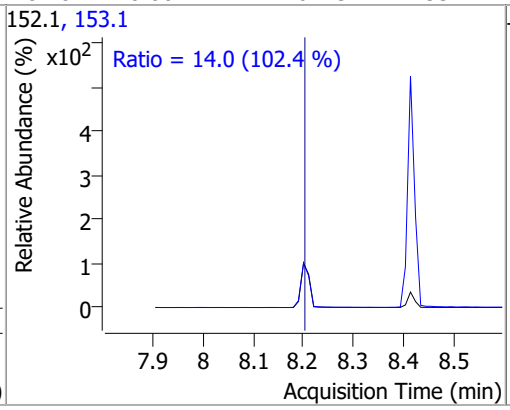


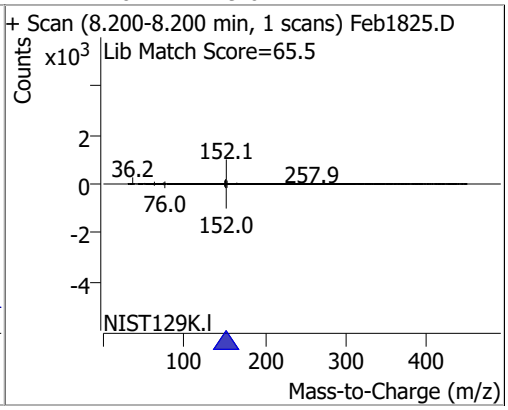
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	75.0361	8.19	0.00	186137	63.0	135.3	99.5	184.8
					89.0	64.2	43.3	80.3



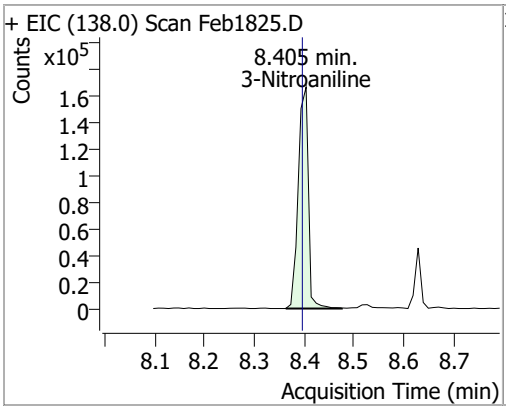
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	78.1389	8.20	0.00	2246215	153.1	14.0	9.6	17.7

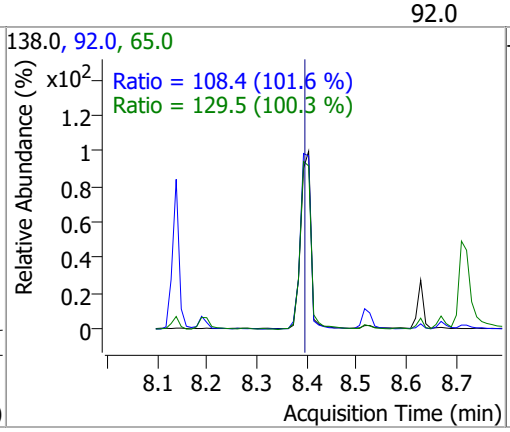


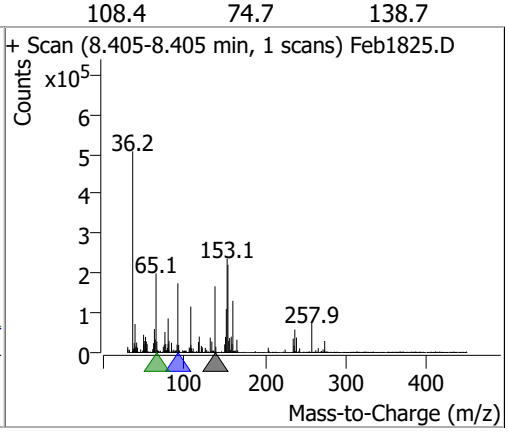




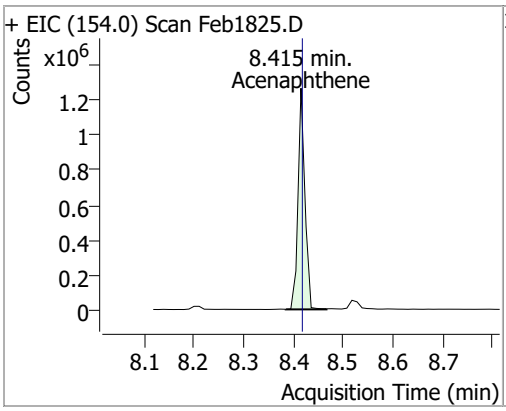
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	83.5436	8.40	0.01	236751	65.0	129.5	90.4	167.8
					92.0	108.4	74.7	138.7

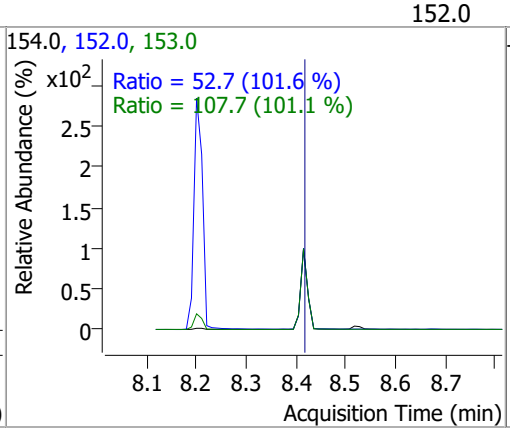


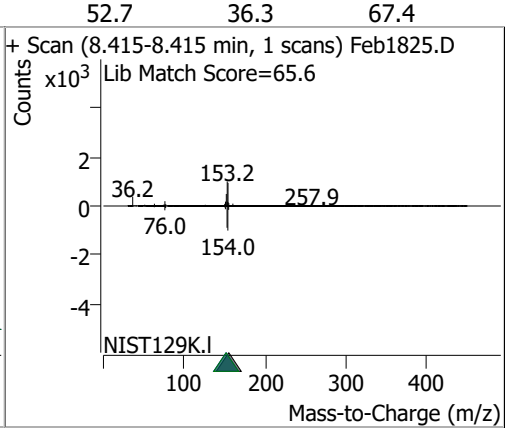




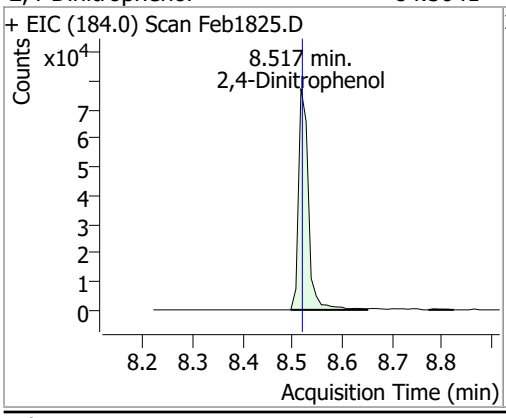
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	73.6642	8.41	0.00	1221307	153.0	107.7	74.5	138.4
					152.0	52.7	36.3	67.4

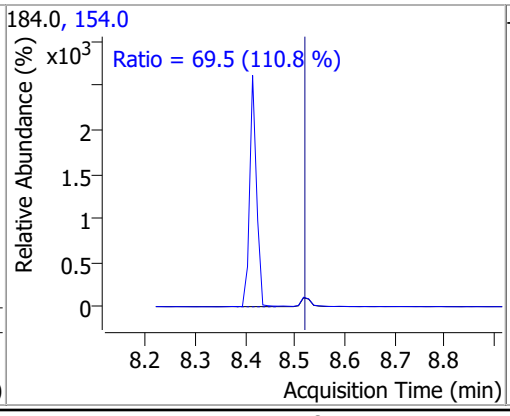


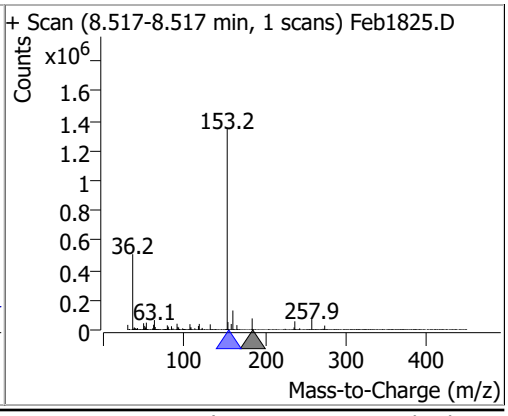




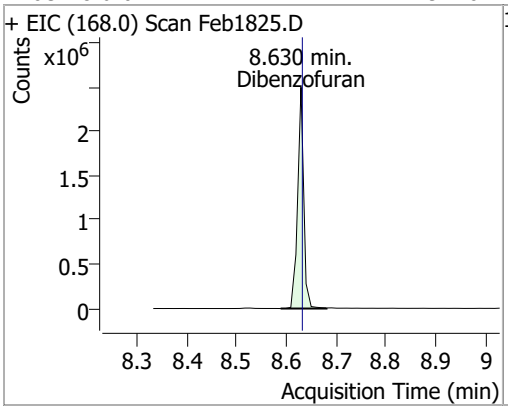
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	84.5041	8.52	0.00	107509	154.0	69.5	43.9	81.5

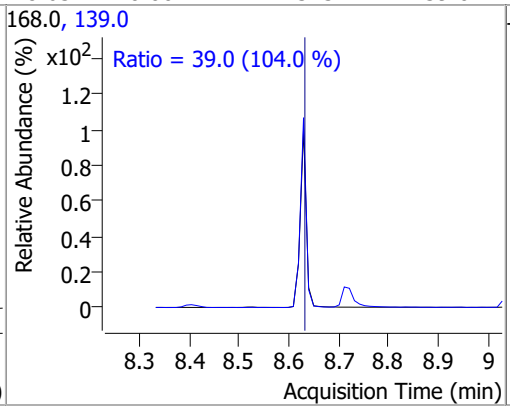


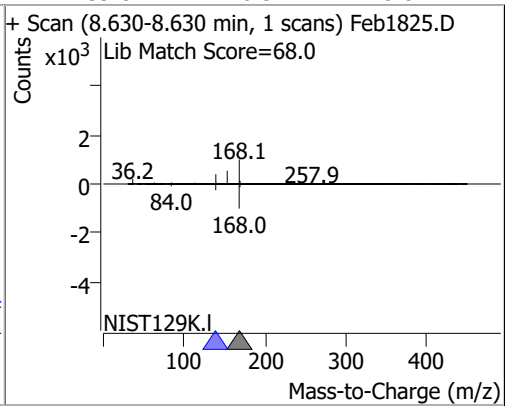




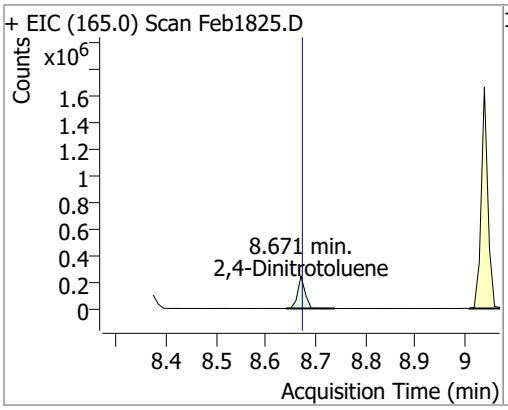
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	77.9726	8.63	0.00	2113432	139.0	39.0	26.3	48.8

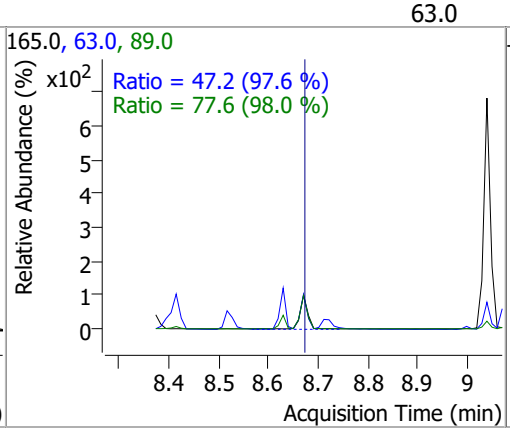


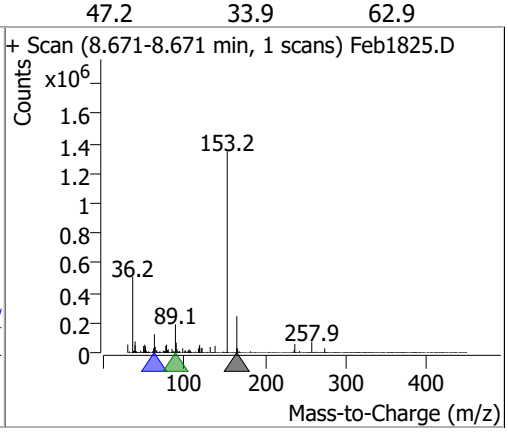




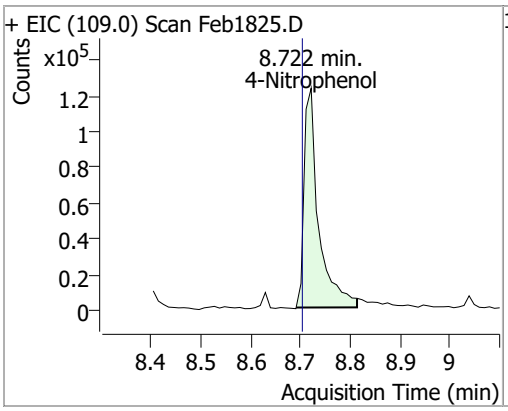
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	79.6333	8.67	0.00	246962	89.0	77.6	55.4	102.9
					63.0	47.2	33.9	62.9

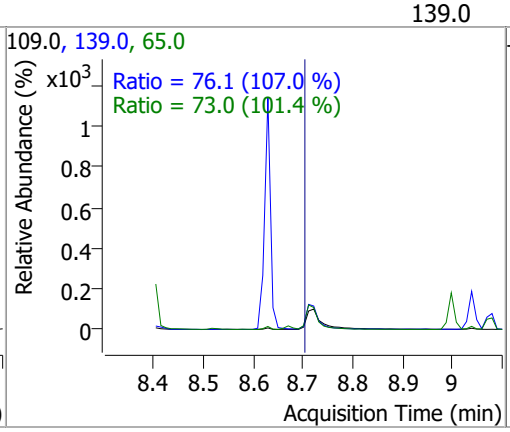


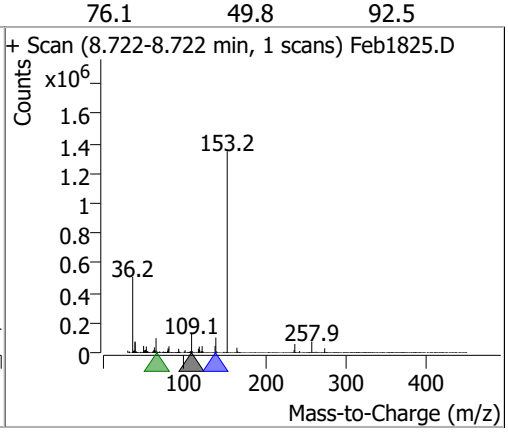




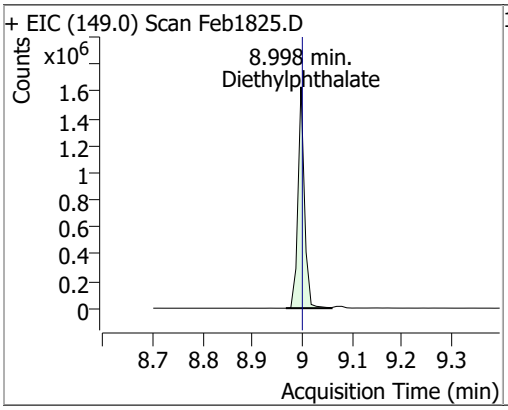
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	80.2049	8.72	0.02	245597	65.0	73.0	50.4	93.6
					139.0	76.1	49.8	92.5

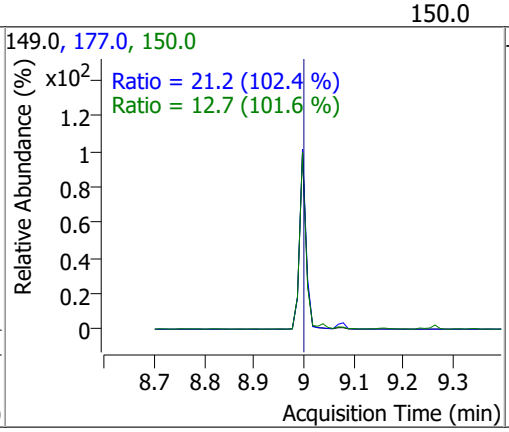


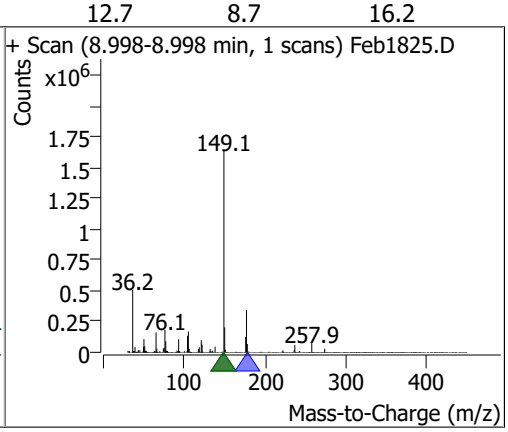




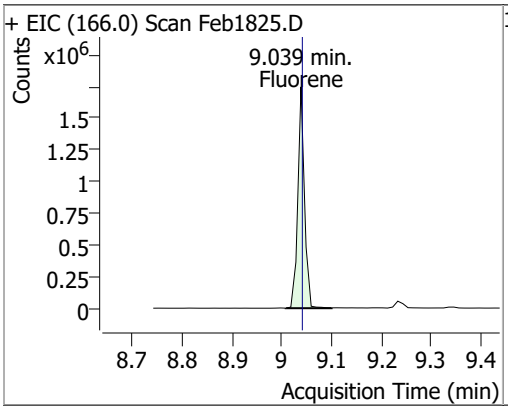
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	78.6490	9.00	0.00	1474023	177.0	21.2	14.5	27.0
					150.0	12.7	8.7	16.2

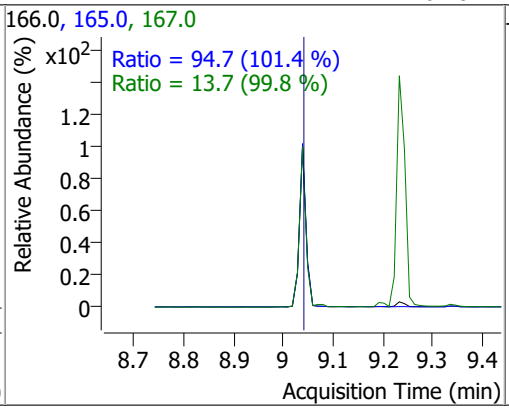


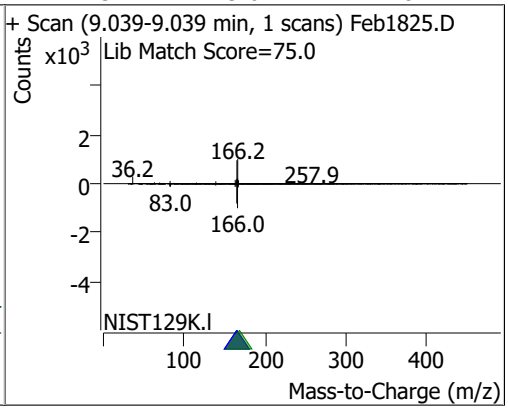




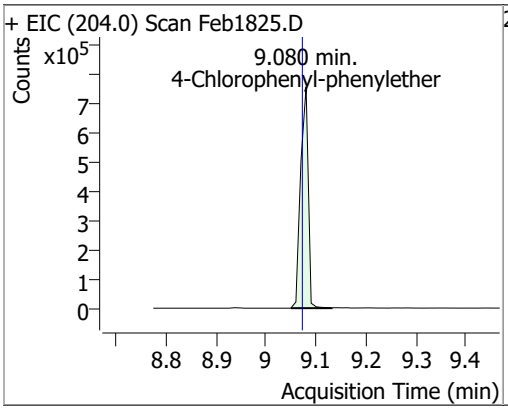
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	74.6154	9.04	0.00	1619598	165.0	94.7	65.4	121.4
					167.0	13.7	9.6	17.8

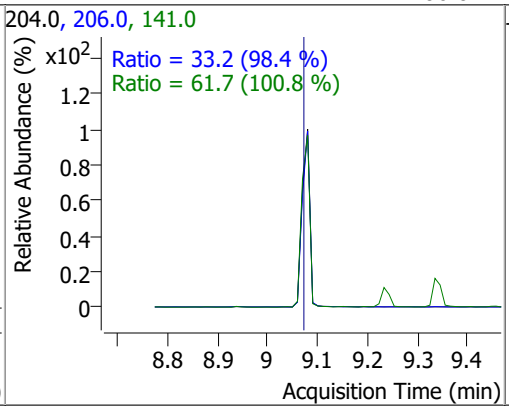


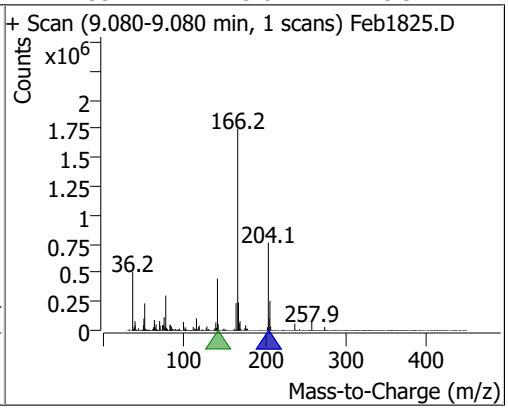




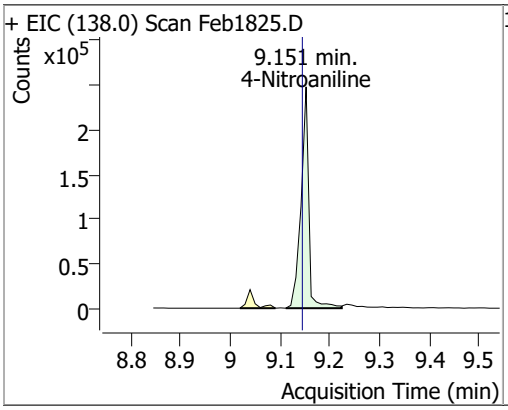
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	82.0944	9.08	0.01	801375	141.0	61.7	42.8	79.6
					206.0	33.2	23.6	43.9

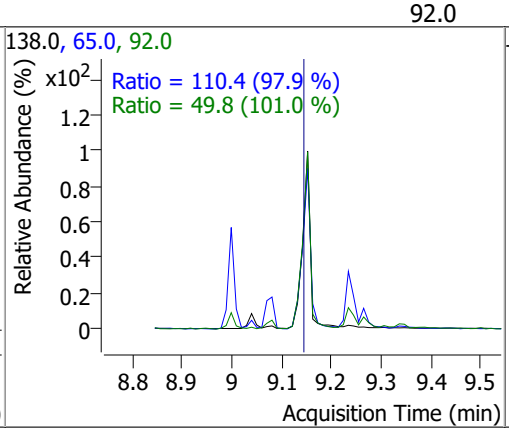


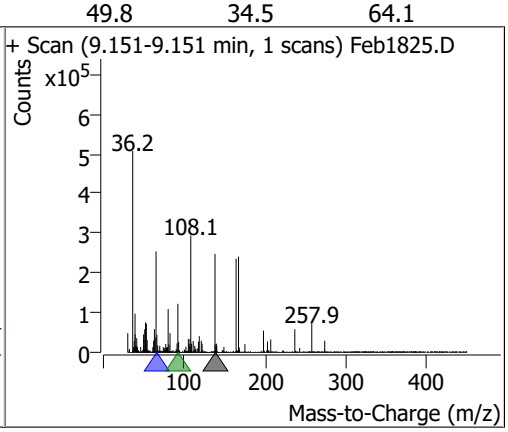




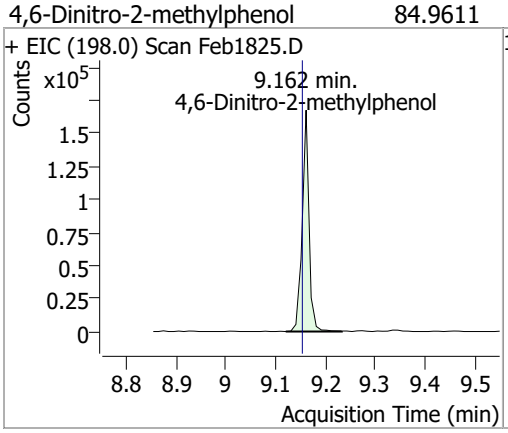
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	87.0446	9.15	0.01	268516	65.0	110.4	78.9	146.6
					92.0	49.8	34.5	64.1

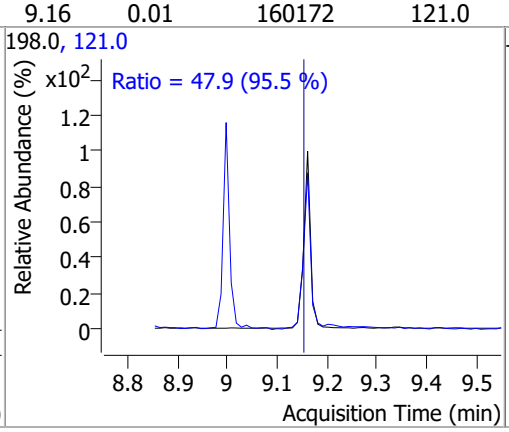


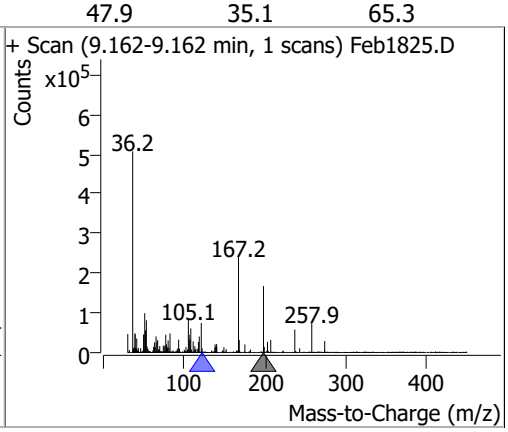




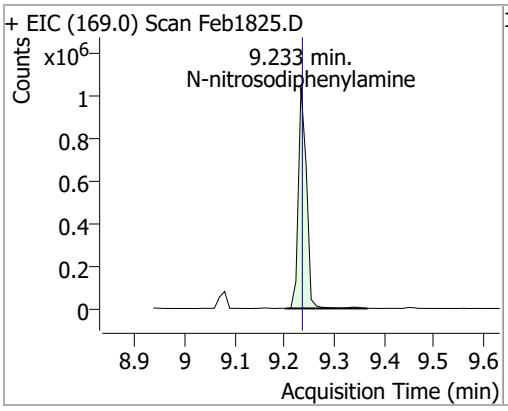
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	84.9611	9.16	0.01	160172	121.0	47.9	35.1	65.3

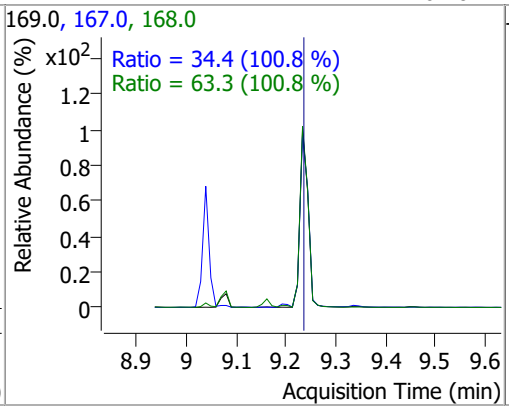


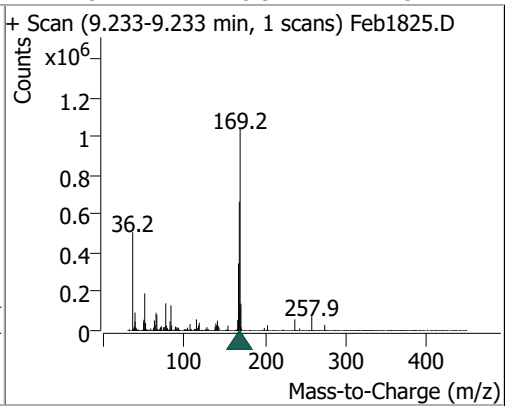




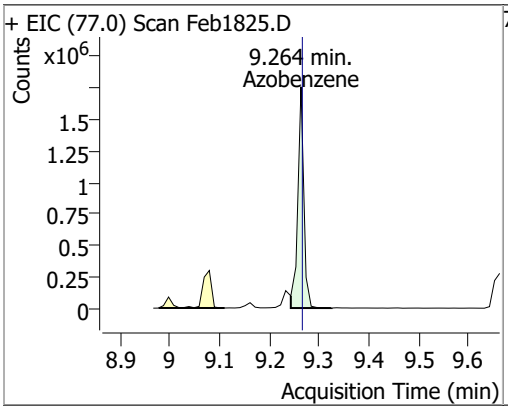
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	82.1880	9.23	0.00	1183253	168.0	63.3	44.0	81.7
					167.0	34.4	23.9	44.3

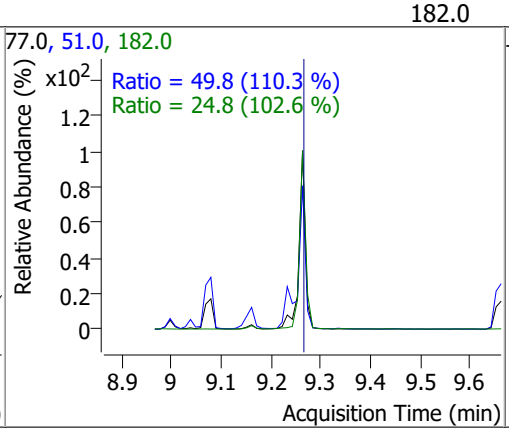


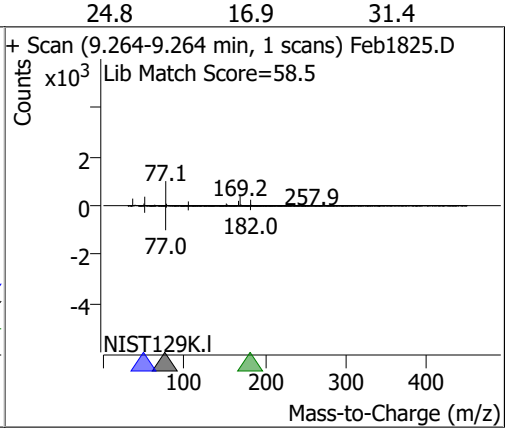




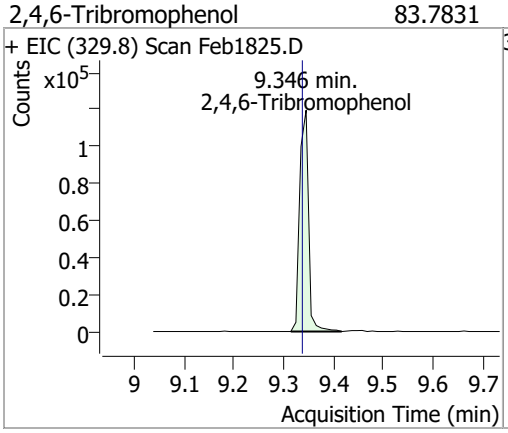
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	77.6459	9.26	0.00	1474038	51.0	49.8	31.6	58.7
					182.0	24.8	16.9	31.4

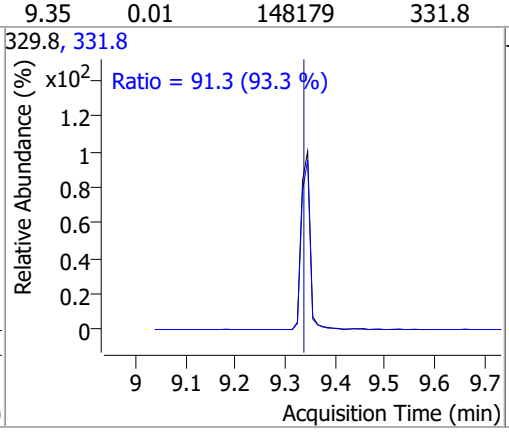


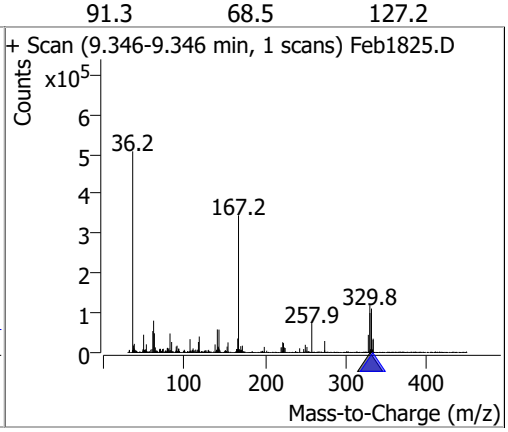




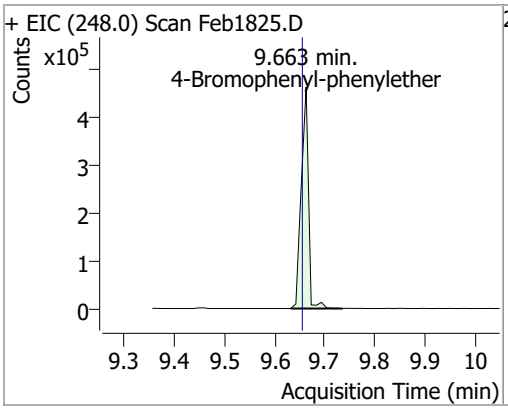
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	83.7831	9.35	0.01	148179	331.8	91.3	68.5	127.2

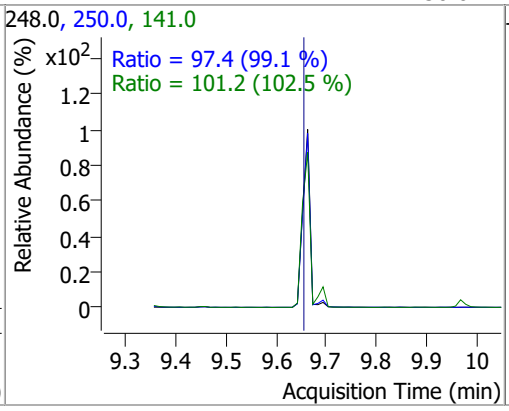


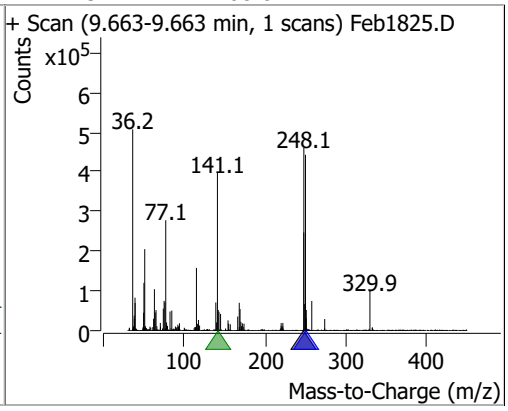




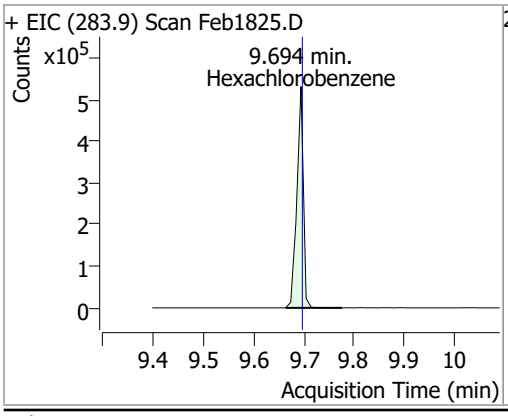
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	83.9737	9.66	0.01	459431	141.0	101.2	69.1	128.4
					250.0	97.4	68.8	127.7

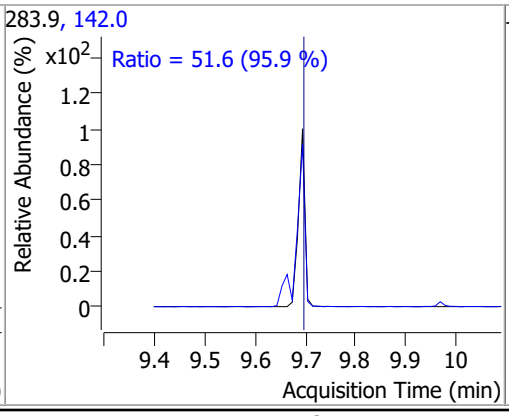


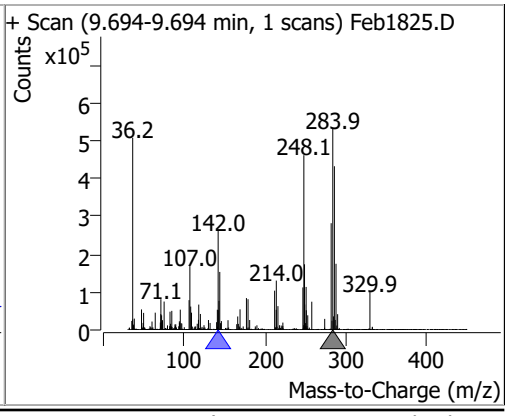




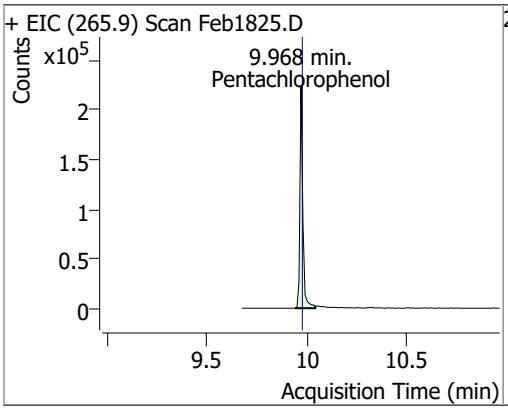
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	86.0750	9.69	0.00	476701	142.0	51.6	37.7	70.0

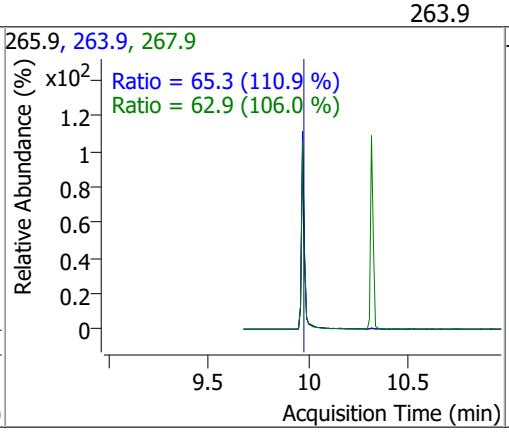


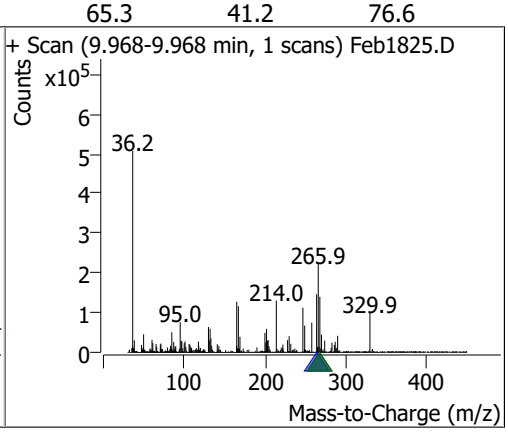




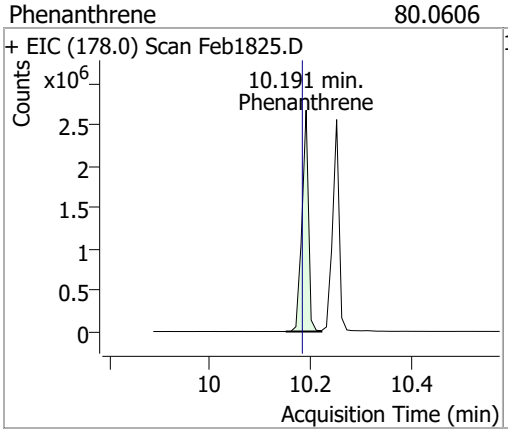
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	85.7198	9.97	0.00	223802	267.9	62.9	41.5	77.2
					263.9	65.3	41.2	76.6

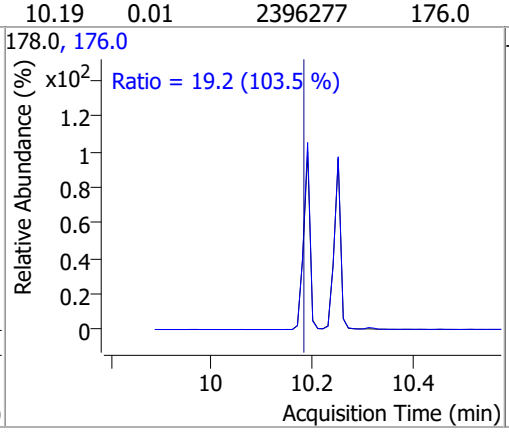


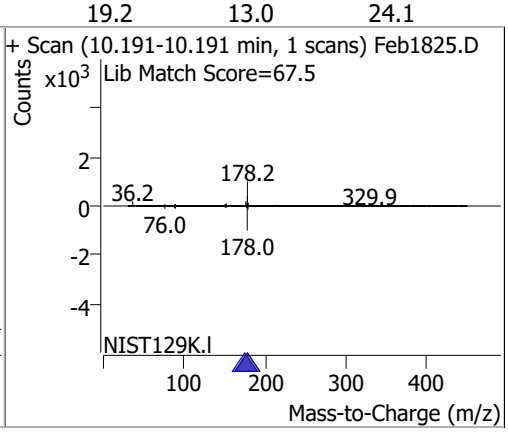




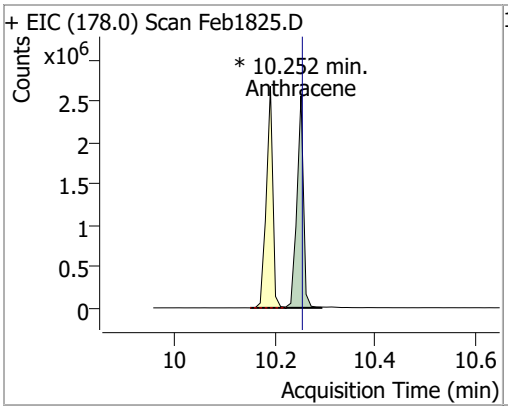
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	80.0606	10.19	0.01	2396277	176.0	19.2	13.0	24.1

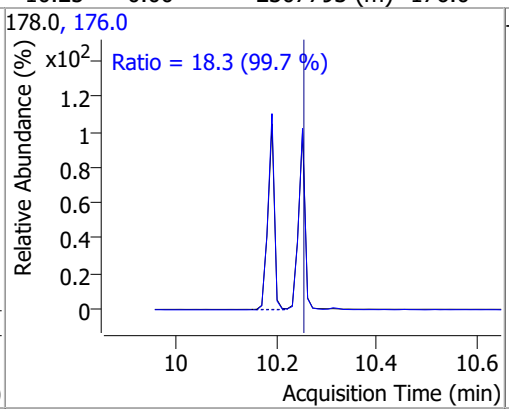


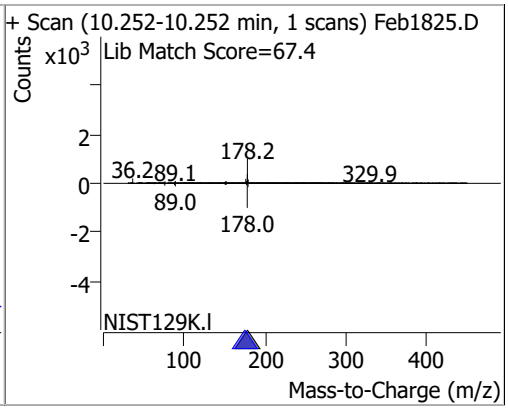




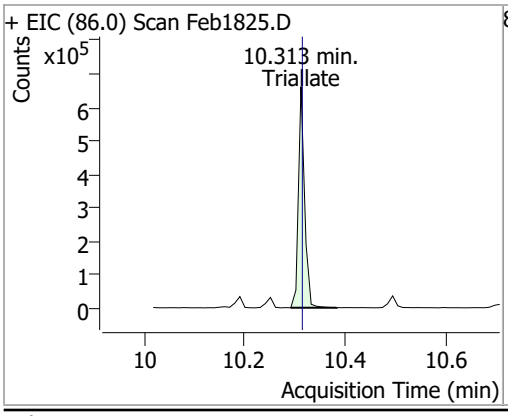
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	81.7333	10.25	0.00	2307793 (m)	176.0	18.3	12.9	23.9

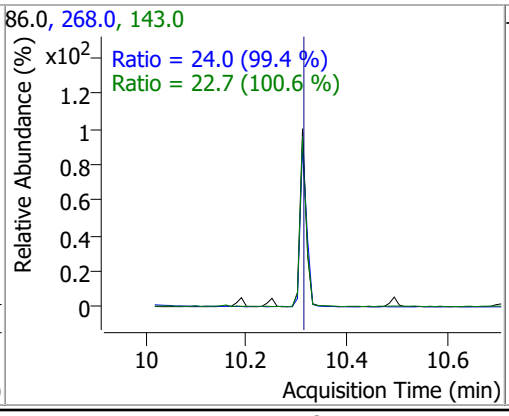


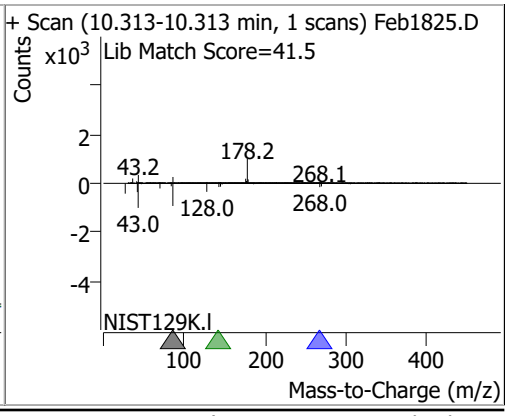




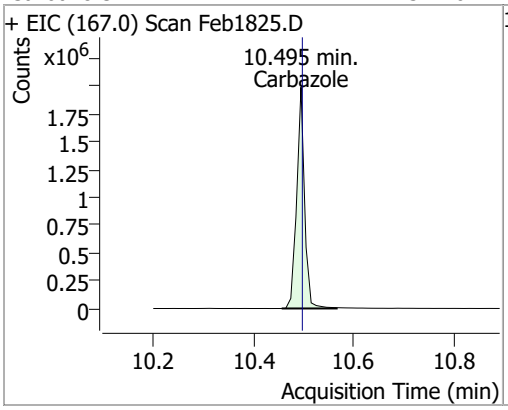
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	80.7935	10.31	0.00	544590	268.0	24.0	16.9	31.4
					143.0	22.7	15.8	29.3

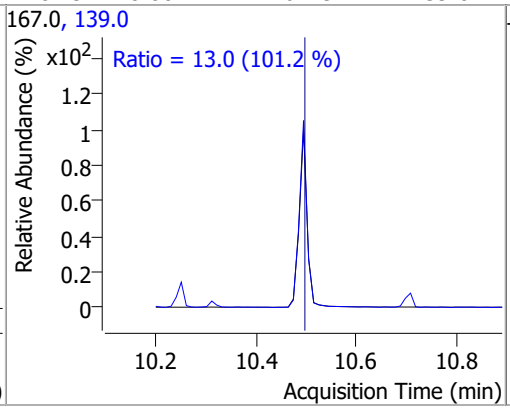


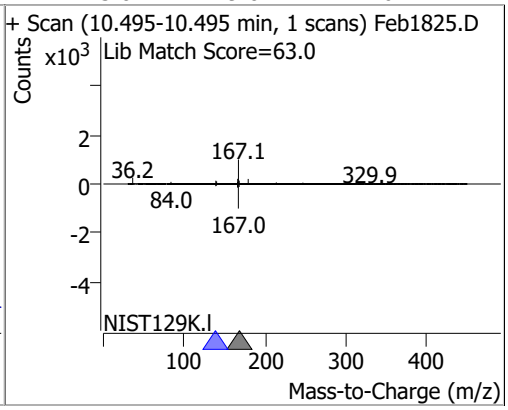




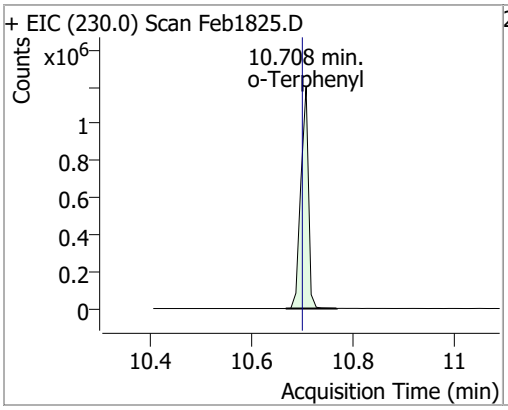
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	75.7167	10.49	0.00	2167797	139.0	13.0	9.0	16.7

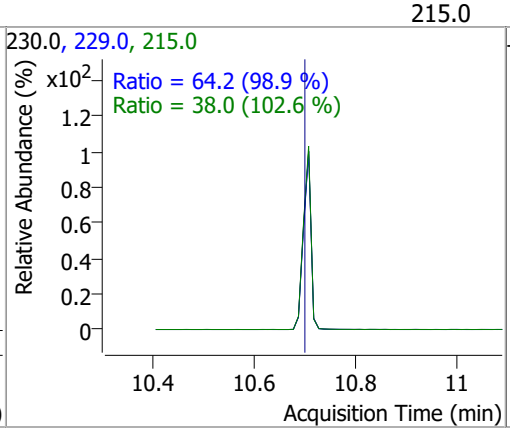


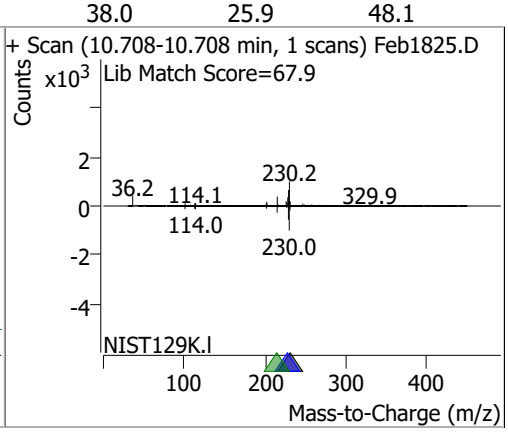




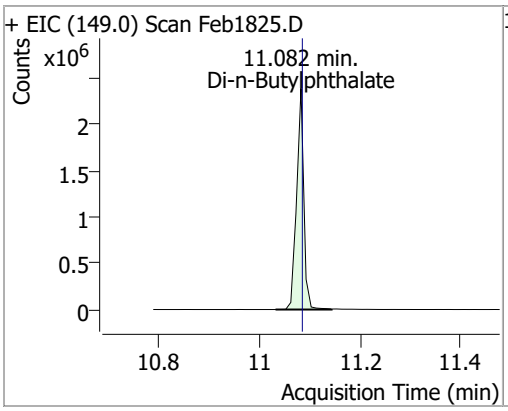
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	79.4148	10.71	0.01	1261539	229.0	64.2	45.4	84.3
					215.0	38.0	25.9	48.1

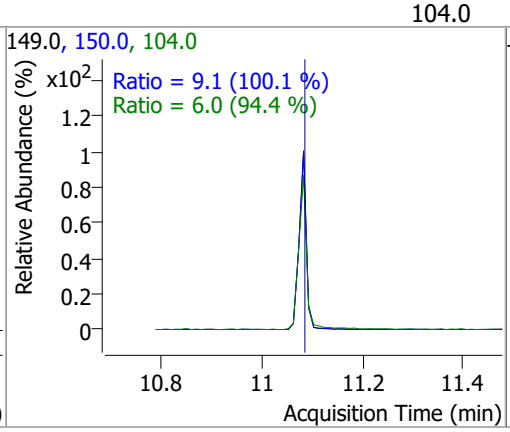


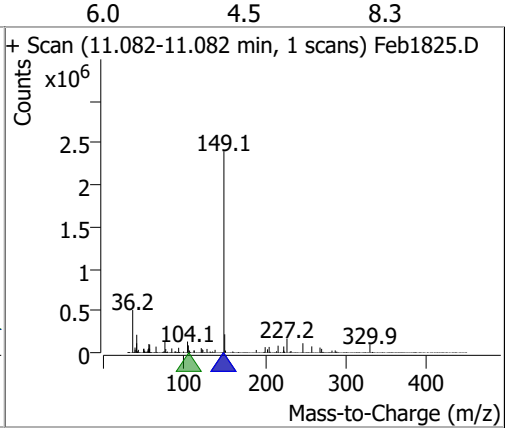




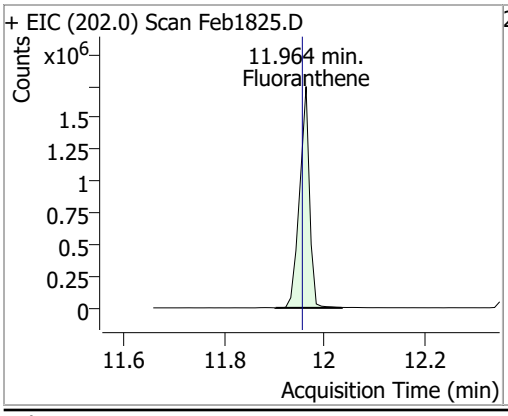
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	86.6145	11.08	0.00	2375148	150.0	9.1	6.3	11.8
					104.0	6.0	4.5	8.3

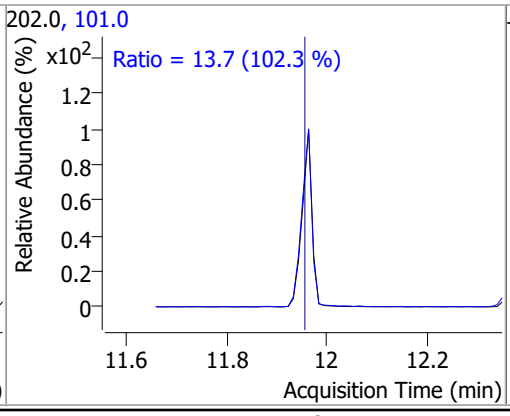


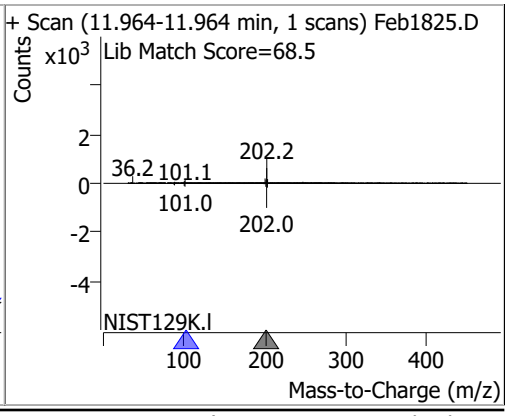




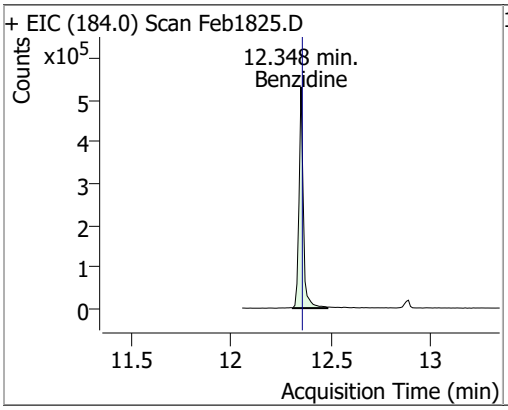
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	79.8760	11.96	0.01	2395113	101.0	13.7	9.4	17.4

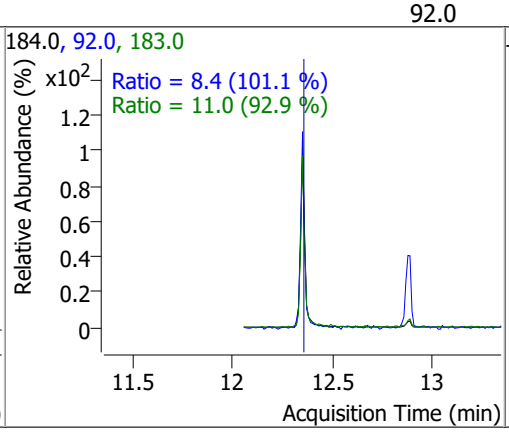


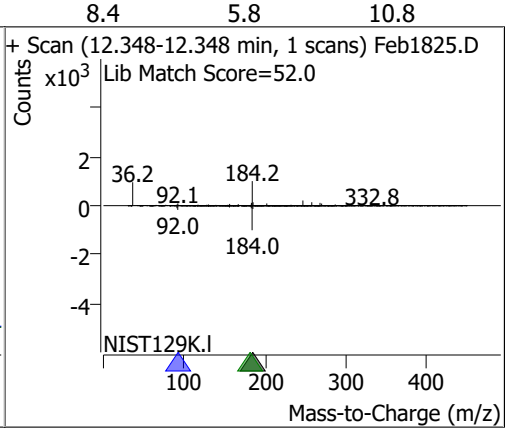




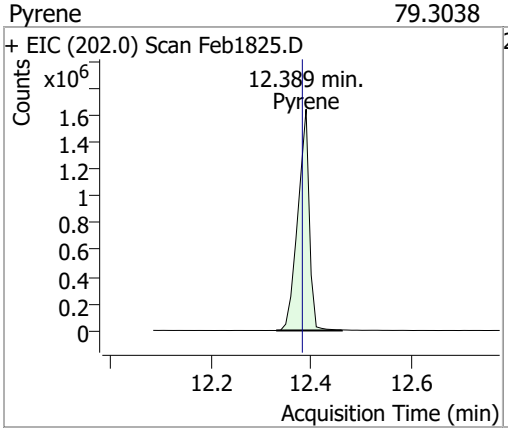
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	74.6477	12.35	0.00	792292	183.0	11.0	8.3	15.4
					92.0	8.4	5.8	10.8

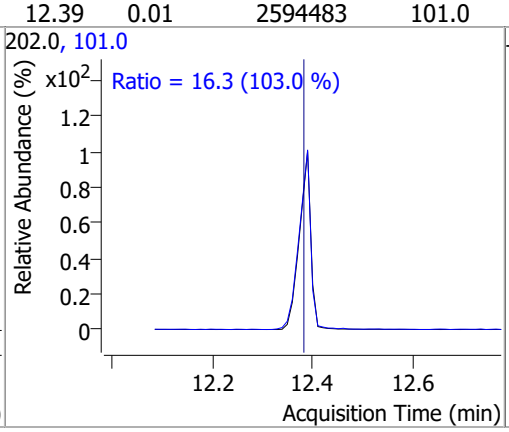


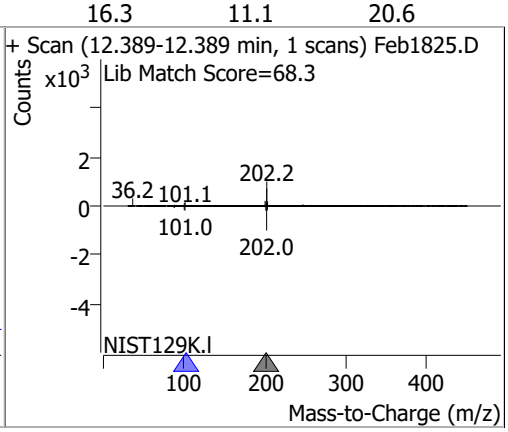




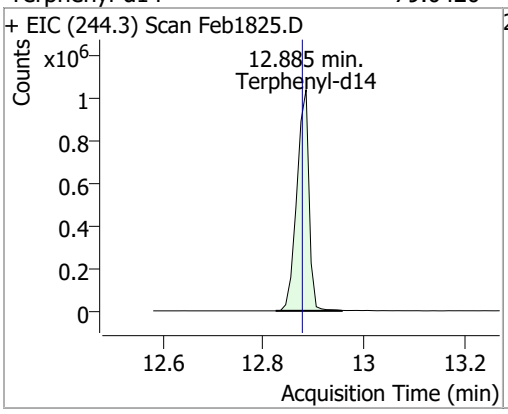
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	79.3038	12.39	0.01	2594483	101.0	16.3	11.1	20.6

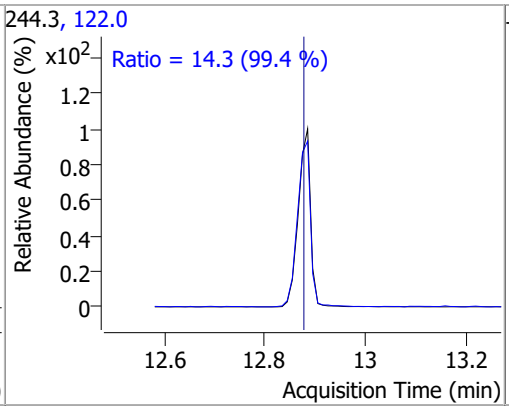


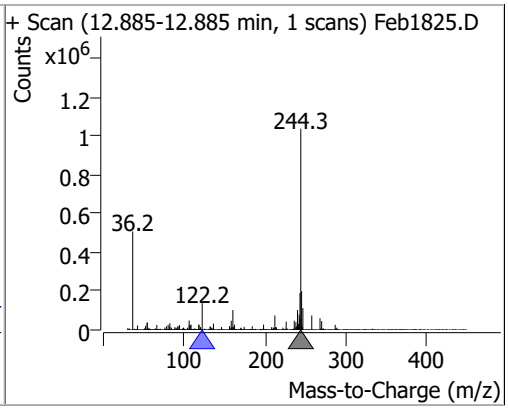




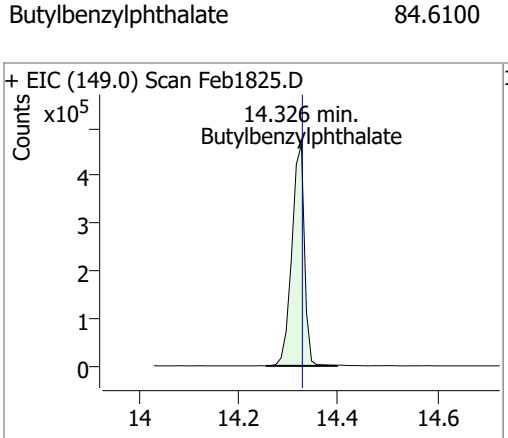
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	79.0420	12.89	0.01	1739964	122.0	14.3	10.1	18.7

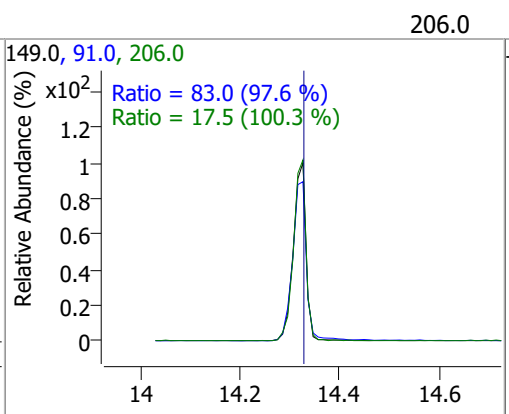


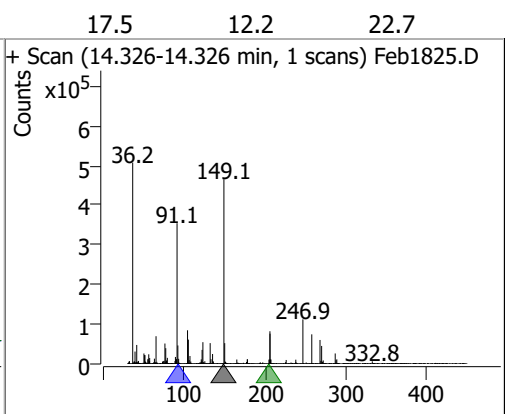




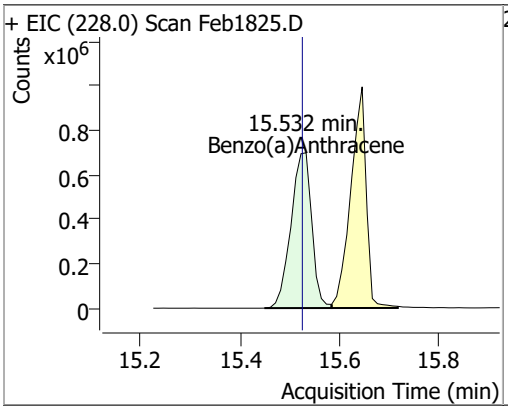
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	84.6100	14.33	0.01	818810	91.0	83.0	59.6	110.6
					206.0	17.5	12.2	22.7

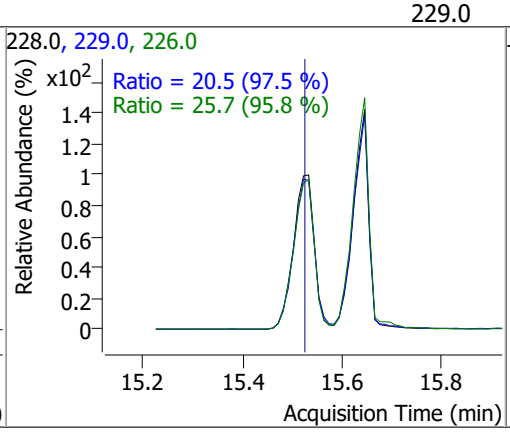


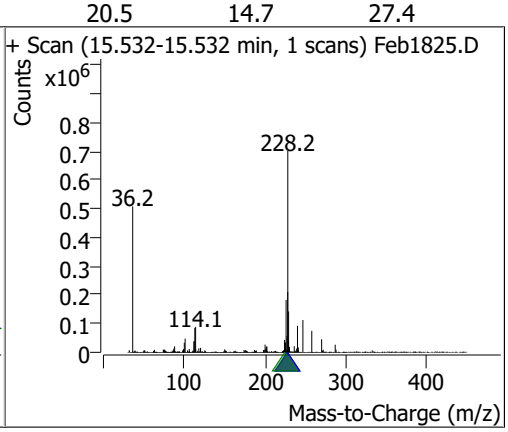




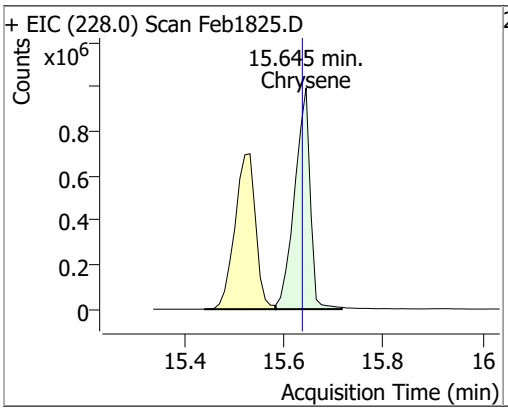
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	80.3136	15.53	0.02	2024476	226.0	25.7	18.8	34.9
					229.0	20.5	14.7	27.4

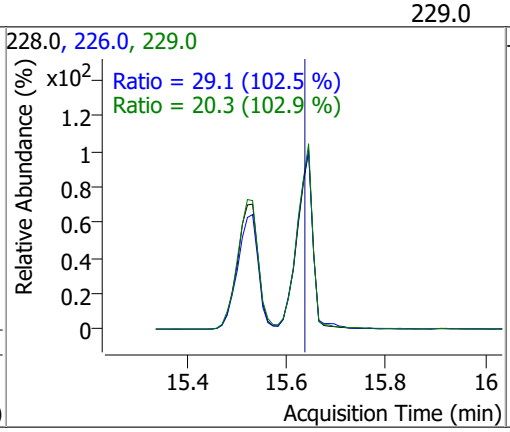


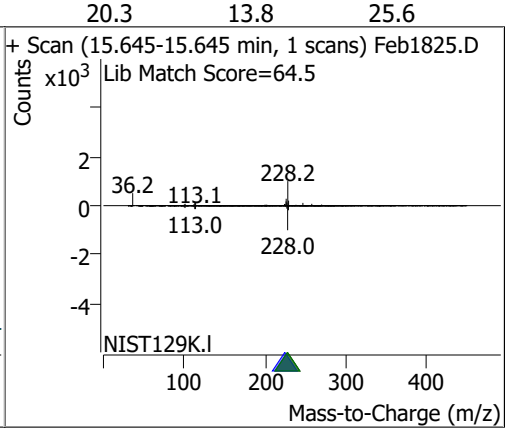




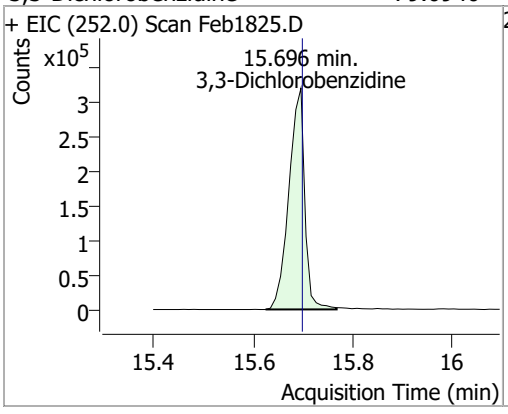
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	76.1388	15.64	0.02	2152138	226.0	29.1	19.9	36.9
					229.0	20.3	13.8	25.6

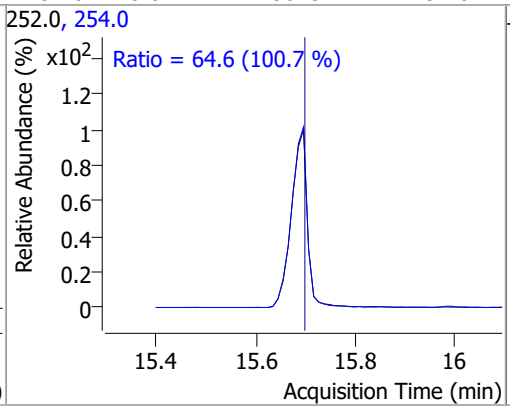


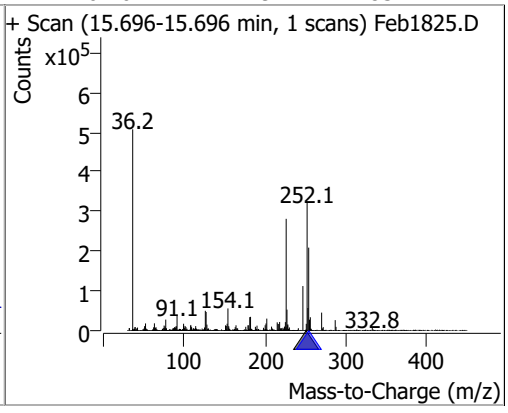




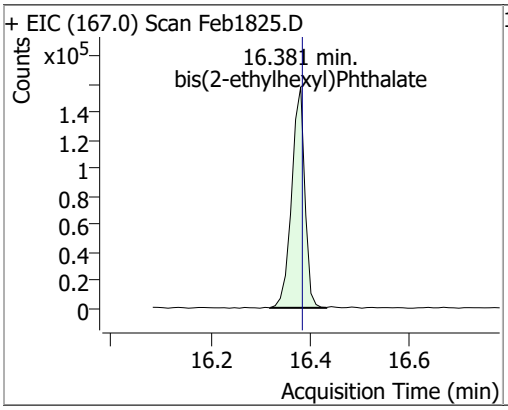
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	79.0940	15.70	0.01	706232	254.0	64.6	44.9	83.4

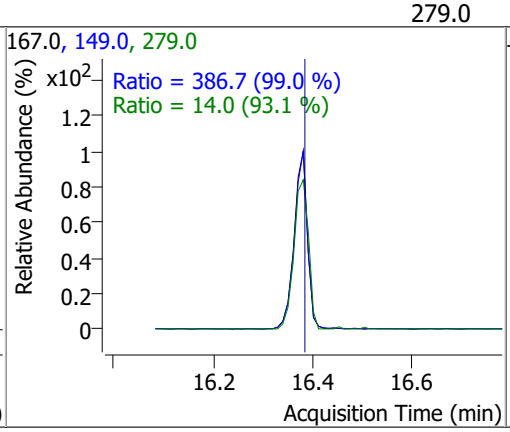


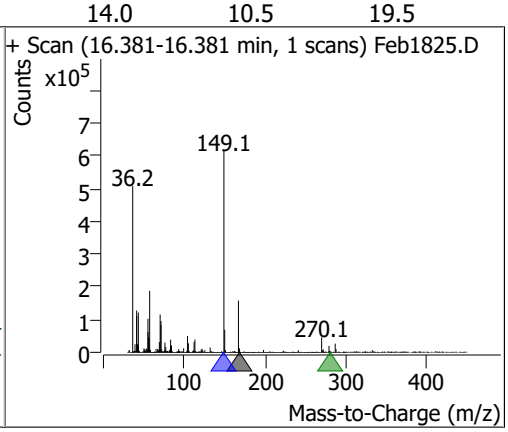




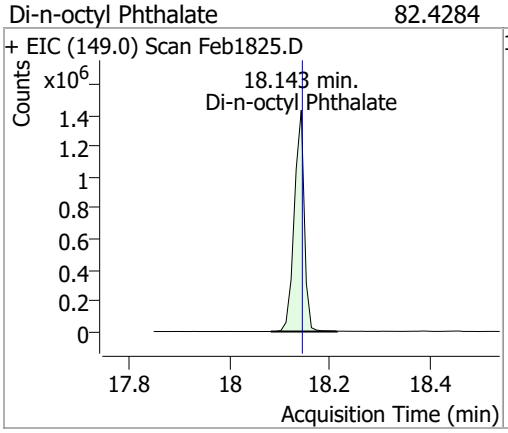
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	85.9649	16.38	0.01	287757	149.0	386.7	273.6	508.0
					279.0	14.0	10.5	19.5

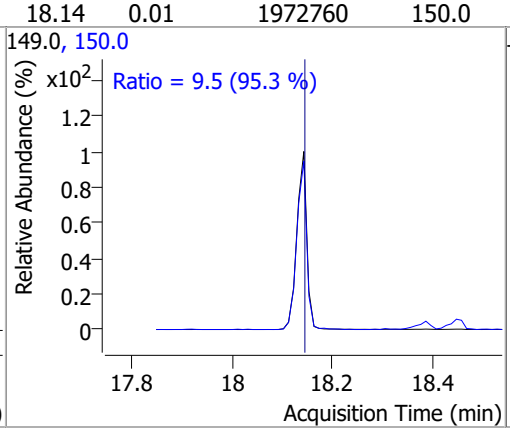


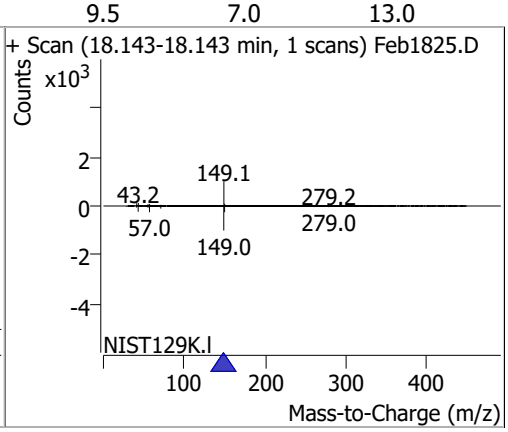




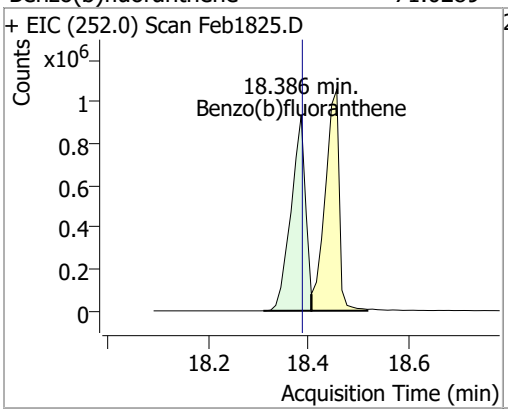
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	82.4284	18.14	0.01	1972760	150.0	9.5	7.0	13.0

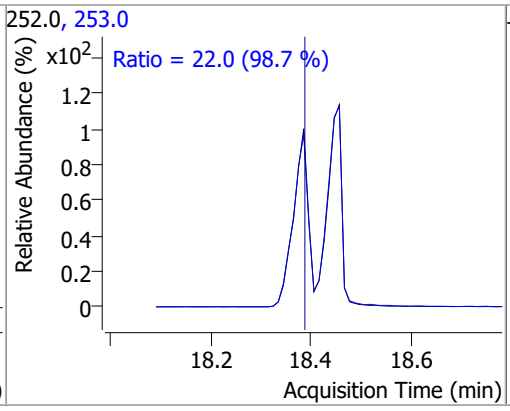


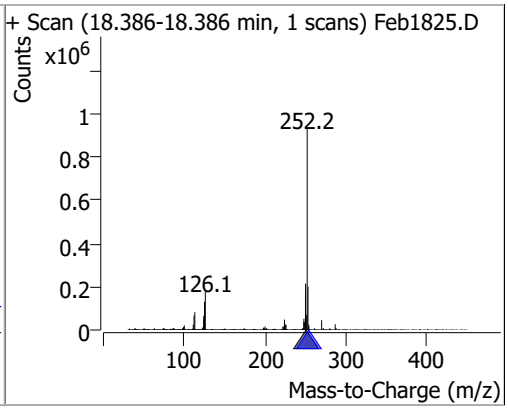




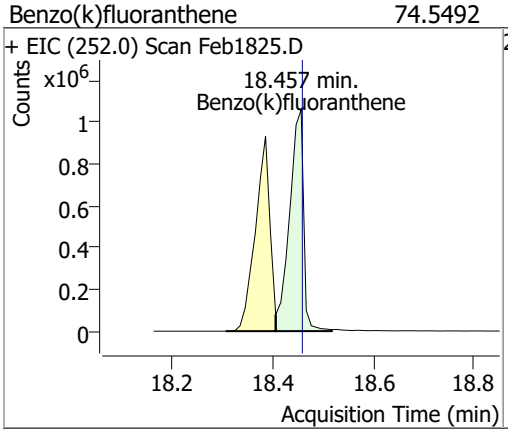
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	71.0289	18.39	0.01	1865269	253.0	22.0	15.6	29.0

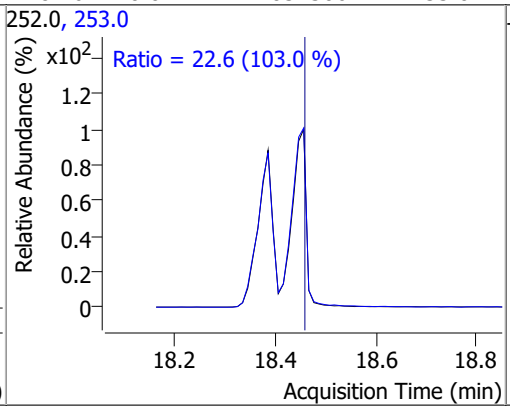


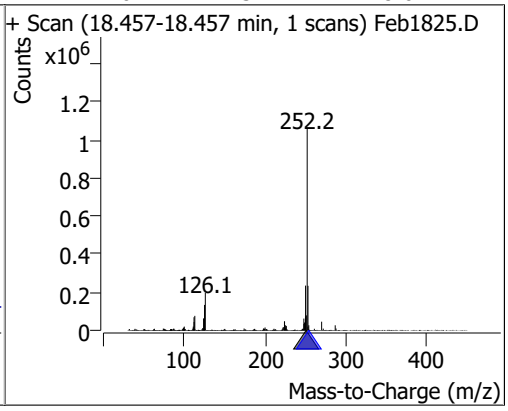




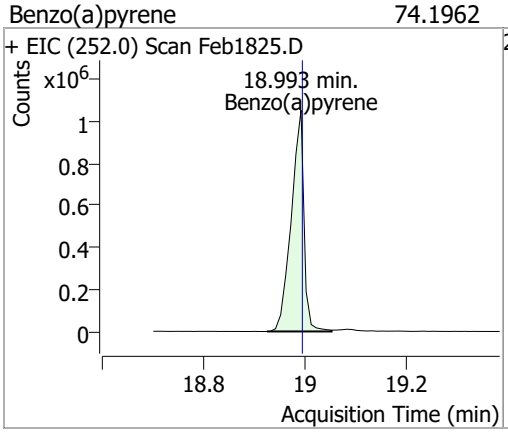
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	74.5492	18.46	0.01	2052306	253.0	22.6	15.4	28.6

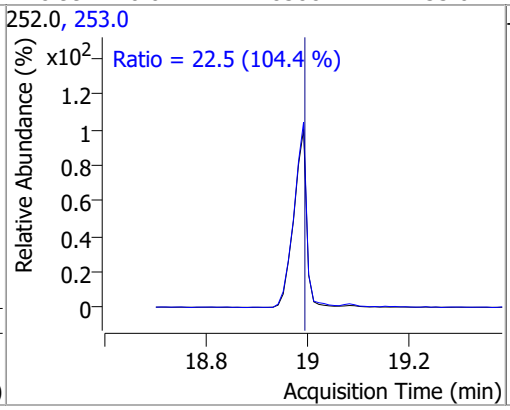


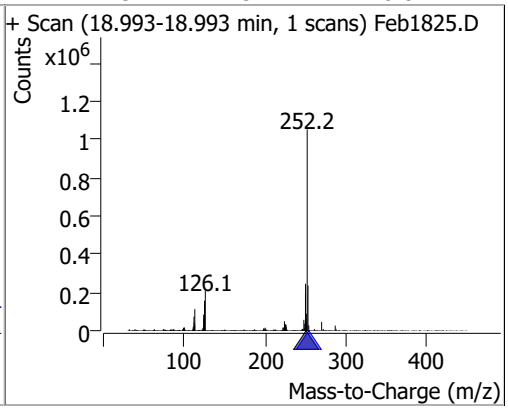




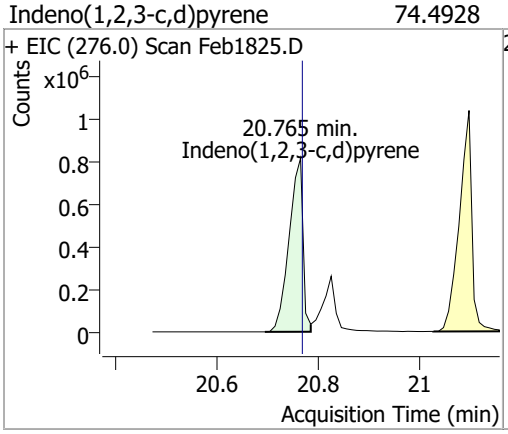
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	74.1962	18.99	0.01	1838842	253.0	22.5	15.1	28.0

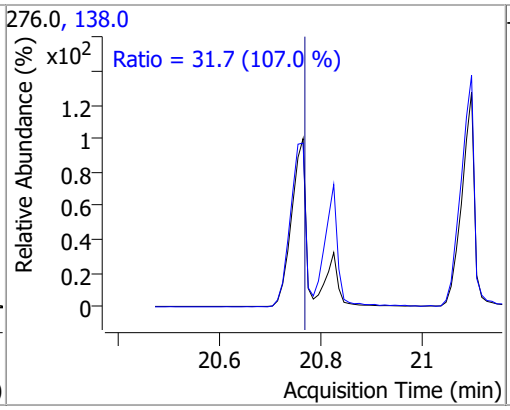


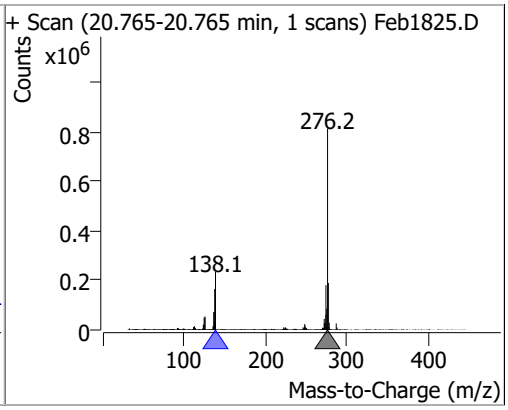




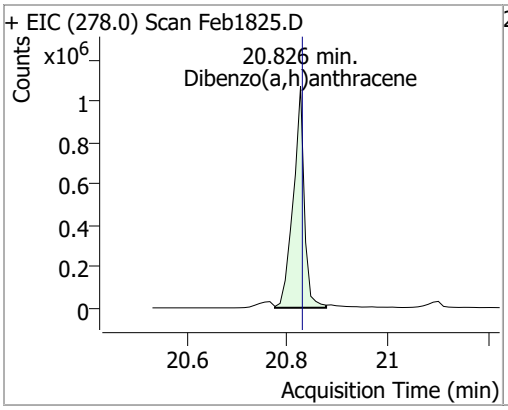
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	74.4928	20.77	0.01	1549497	138.0	31.7	20.7	38.5

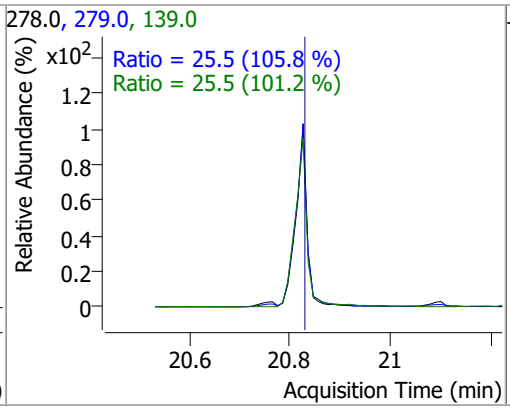


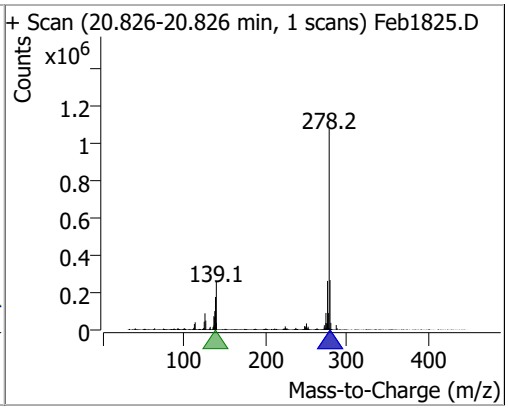




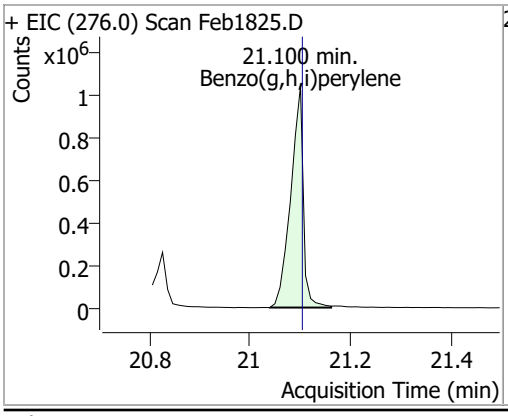
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	71.8896	20.83	0.01	1627250	139.0	25.5	17.6	32.7
					279.0	25.5	16.9	31.3

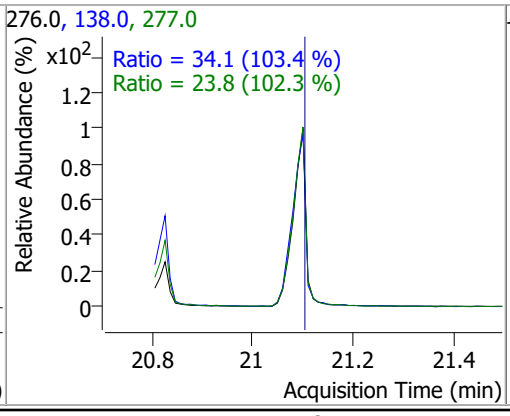


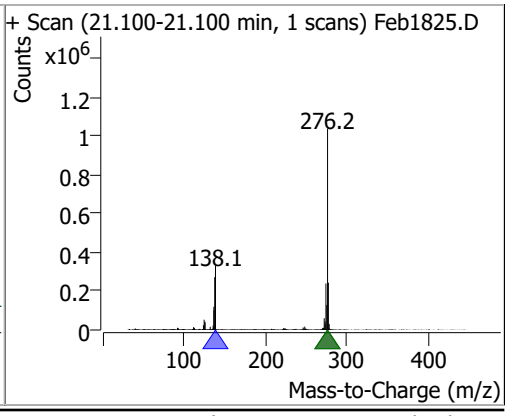




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	75.1899	21.10	0.01	1802572	138.0	34.1	23.1	42.9
					277.0	23.8	16.3	30.2







Audit Trail report

Batch name and path: D:\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin
Quant batch version: 10.0
Quant reporting version: 10.0

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdNewBatchTable	BL2000\sean	2/19/2022 8:17:39 AM	Create new batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\021822 DoD BNA cal.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\sean	2/19/2022 8:17:54 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1801.D			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 8:18:06 AM	Set SampleType = TuneCheck for sample Feb1801.D; previous value = Sample			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 8:19:13 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 8:36:46 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\sean	2/19/2022 9:30:13 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D			✓	
CmdOpenAndApplyMethodFromBatch	BL2000\sean	2/19/2022 9:30:41 AM	Open and apply method from batch: \\MASSHUNTER\Org\Data\SV5973N.I\sd021722\DoD BNA cal 1\021722 DoD BNA cal.batch.bin			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 9:30:47 AM	Set SampleType = Calibration for sample Feb1802.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 9:30:50 AM	Set LevelName = 7 for sample Feb1802.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 9:30:52 AM	Set SampleType = Calibration for sample Feb1803.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 9:30:55 AM	Set LevelName = 6 for sample Feb1803.D; previous value =			✓	
CmdQuantitate	BL2000\sean	2/19/2022 9:31:03 AM	Quantitate all compounds in all samples			✓	
CmdQuantitate	BL2000\sean	2/19/2022 9:33:13 AM	Quantitate all compounds in all samples			✓	
CmdSelectPeak	BL2000\sean	2/19/2022 9:33:22 AM	Select peak for compound N-Nitrosodimethylamine in sample Feb1802.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:33:30 AM	Split qualifier 77.0 of compound Benzoic Acid in sample Feb1802.D and keep left peak, new integration is from x, y = 6.116, 2524.60962701942 to 6.311, 2597.82704650697 and new response = 432826, previous integration is from x, y = 6.116, 2525 to 6.383, 2625 and previous response = 551103.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:33:39 AM	Apply target integration range 4.603-4.675 to qualifier 66.0 for compound Phenol in sample Feb1802.D, new integration is from x, y = 4.603, 32776 to 4.675, 11906 and new response = 743667; previous integration is from x, y = 4.532, 888 to 4.603, 991 and previous response = 782346.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:33:40 AM	Drop baseline for qualifier 66.0 of compound Phenol in sample Feb1802.D to y = 11906, new integration is from x, y = 4.603, 11906 to 4.675, 11906 and new response = 788434; previous integration is from x, y = 4.603, 32776 to 4.675, 11906 and previous response = 743667.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:33:53 AM	Split peak for compound Benzyl Alcohol in sample Feb1802.D and keep left peak, new integration is from x, y = 5.045, 479.3010087414 to 5.216, 2705.17792970199 and new response = 796543, previous integration is from x, y = 5.045, 479 to 5.349, 4437 and previous response = 2153143.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:33:55 AM	Drop baseline for compound Benzyl Alcohol in sample Feb1802.D to y = 479, new integration is from x, y = 5.045, 479 to 5.216, 479 and new response = 807931; previous integration is from x, y = 5.045, 479 to 5.216, 2705 and previous response = 796543.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:33:57 AM	Apply target integration range 5.045-5.216 to qualifier 107.0 for compound Benzyl Alcohol in sample Feb1802.D, new integration is from x, y = 5.045, 514 to 5.216, 4869 and new response = 534868; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:33:58 AM	Drop baseline for qualifier 107.0 of compound Benzyl Alcohol in sample Feb1802.D to y = 514, new integration is from x, y = 5.045, 514 to 5.216, 514 and new response = 557149; previous integration is from x, y = 5.045, 514 to 5.216, 4869 and previous response = 534868.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:34:03 AM	Split qualifier 108.0 of compound 2-Methylphenol in sample Feb1802.D and keep right peak, new integration is from x, y = 5.216, 1472.42768532551 to 5.349, 2230.74196016335 and new response = 1370400, previous integration is from x, y = 5.046, 499 to 5.349, 2231 and previous response = 2173052.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:34:21 AM	Apply target integration range 6.301-6.393 to qualifier 129.0 for compound Naphthalene in sample Feb1802.D, new integration is from x, y = 6.301, 606 to 6.393, 1662 and new response = 323872; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:34:22 AM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Feb1802.D to y = 606, new integration is from x, y = 6.301, 606 to 6.393, 606 and new response = 326785; previous integration is from x, y = 6.301, 606 to 6.393, 1662 and previous response = 323872.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:34:28 AM	Split qualifier 129.0 of compound p-Chloroaniline in sample Feb1802.D and keep right peak, new integration is from x, y = 6.393, 174.364641877929 to 6.547, 188.988005483419 and new response = 499539, previous integration is from x, y = 6.218, 158 to 6.547, 189 and previous response = 830757.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:34:30 AM	Split qualifier 129.0 of compound p-Chloroaniline in sample Feb1802.D and keep left peak, new integration is from x, y = 6.393, 174.364641877929 to 6.465, 181.188983712 and new response = 468881, previous integration is from x, y = 6.393, 174 to 6.547, 189 and previous response = 499539.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 9:34:41 AM	Manually integrate compound 4-Chloro-3-Methylphenol in sample Feb1802.D, from x, y = 7.040, 299978 to 7.184, 346408, result = -1875289; previous integration is from x, y = 6.900, 712 to 7.009, 918 and previous response = 813393.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 9:34:42 AM	Snap baseline for compound 4-Chloro-3-Methylphenol in sample Feb1802.D, from x = 7.040 to x = 7.184, new integration is from x, y = 7.040, 5191 to 7.184, 5033 and new response = 868477; previous integration is from x, y = 7.040, 299978 to 7.184, 346408 and previous response = -1875289.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:34:43 AM	Drop baseline for compound 4-Chloro-3-Methylphenol in sample Feb1802.D to y = 5033, new integration is from x, y = 7.040, 5033 to 7.184, 5033 and new response = 869158; previous integration is from x, y = 7.040, 5191 to 7.184, 5033 and previous response = 868477.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:34:47 AM	Set UserAnnotation = CO for compound 4-Chloro-3-Methylphenol in sample Feb1802.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:34:49 AM	Apply target integration range 7.040-7.184 to qualifier 144.0 for compound 4-Chloro-3-Methylphenol in sample Feb1802.D, new integration is from x, y = 7.040, 1130 to 7.184, 1465 and new response = 242902; previous integration is from x, y = 7.235, 367 to 7.317, 442 and previous response = 15166.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:34:50 AM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1802.D and keep left peak, new integration is from x, y = 7.040, 1130 to 7.122, 1321.42302341757 and new response = 223880, previous integration is from x, y = 7.040, 1130 to 7.184, 1465 and previous response = 242902.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:34:58 AM	Apply target integration range 7.235-7.317 to qualifier 115.0 for compound 1-Methylnaphthalene in sample Feb1802.D, new integration is from x, y = 7.235, 5554 to 7.317, 4228 and new response = 806955; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:34:59 AM	Drop baseline for qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1802.D to y = 4228, new integration is from x, y = 7.235, 4228 to 7.317, 4228 and new response = 810223; previous integration is from x, y = 7.235, 5554 to 7.317, 4228 and previous response = 806955.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:35:09 AM	Split peak for compound 2,4,6-Trichlorophenol in sample Feb1802.D and keep left peak, new integration is from x, y = 7.493, 221.798260292395 to 7.554, 312.495353176613 and new response = 593283, previous integration is from x, y = 7.493, 222 to 7.656, 466 and previous response = 1277163.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:35:10 AM	Set UserAnnotation = CO for compound 2,4,6-Trichlorophenol in sample Feb1802.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:35:12 AM	Split qualifier 198.0 of compound 2,4,6-Trichlorophenol in sample Feb1802.D and keep left peak, new integration is from x, y = 7.492, 0 to 7.554, 0 and new response = 567862, previous integration is from x, y = 7.492, 0 to 7.656, 0 and previous response = 1227652.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:35:15 AM	Split peak for compound 2,4,5-Trichlorophenol in sample Feb1802.D and keep right peak, new integration is from x, y = 7.554, 216.399265256548 to 7.656, 344.75946995671 and new response = 685262, previous integration is from x, y = 7.492, 140 to 7.656, 345 and previous response = 1278109.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:35:16 AM	Set UserAnnotation = CO for compound 2,4,5-Trichlorophenol in sample Feb1802.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:35:18 AM	Split qualifier 198.0 of compound 2,4,5-Trichlorophenol in sample Feb1802.D and keep right peak, new integration is from x, y = 7.554, 0 to 7.656, 0 and new response = 659790, previous integration is from x, y = 7.492, 0 to 7.656, 0 and previous response = 1227652.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:35:24 AM	Split qualifier 77.0 of compound Dimethyl Phthalate in sample Feb1802.D and keep left peak, new integration is from x, y = 8.109, 1878.17185551185 to 8.180, 1999.65480571954 and new response = 457675, previous integration is from x, y = 8.109, 1878 to 8.272, 2158 and previous response = 604104.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:35:36 AM	Apply target integration range 8.497-8.599 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1802.D, new integration is from x, y = 8.497, 4139 to 8.599, 3163 and new response = 100153; previous integration is from x, y = 8.385, 1147 to 8.476, 1199 and previous response = 1841188.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:35:37 AM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1802.D to y = 3163, new integration is from x, y = 8.497, 3163 to 8.599, 3163 and new response = 103148; previous integration is from x, y = 8.497, 4139 to 8.599, 3163 and previous response = 100153.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:35:41 AM	Split qualifier 139.0 of compound Dibenzofuran in sample Feb1802.D and keep left peak, new integration is from x, y = 8.589, 397.883022093214 to 8.691, 601.239401313307 and new response = 1109842, previous integration is from x, y = 8.589, 398 to 8.763, 744 and previous response = 1382227.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:35:46 AM	Split qualifier 139.0 of compound 4-Nitrophenol in sample Feb1802.D and keep right peak, new integration is from x, y = 8.691, 424.9894512041 to 8.763, 603.252474185385 and new response = 273065, previous integration is from x, y = 8.592, 178 to 8.763, 603 and previous response = 1384076.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:35:58 AM	Split qualifier 65.0 of compound 4-Nitroaniline in sample Feb1802.D and keep right peak, new integration is from x, y = 9.111, 1814.19794619212 to 9.213, 1803.6223283918 and new response = 417398, previous integration is from x, y = 8.973, 1828 to 9.213, 1804 and previous response = 739870.			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 9:36:38 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdUpdateRetentionTimes	BL2000\sean	2/19/2022 9:37:05 AM	Update retention time for compound Perylene-d12; Chrysene-d12; Phenanthrene-d10; Acenaphthene-d10; Naphthalene-d8; Terphenyl-d14; 2,4,6-Tribromophenol; 2-Fluorobiphenyl; Nitrobenzene-d5; Phenol-d5; 2-Fluorophenol; Benzo(g,h,i)perylene; Dibenzo(a,h)anthracene; Indeno(1,2,3-c,d)pyrene; Benzo(a)pyrene; Benzo(k)fluoranthene; Benzo(b)fluoranthene; Di-n-octyl Phthalate; bis(2-ethylhexyl)Phthalate; 3,3-Dichlorobenzidine; Chrysene; Benzo(a)Anthracene; Butylbenzylphthalate; Pyrene; Benzidine; Fluoranthene; Di-n-Butylphthalate; Triallate; Anthracene; Phenanthrene; Pentachlorophenol; Hexachlorobenzene; 4-Bromophenyl-phenylether; Azobenzene; N-nitrosodiphenylamine; 4,6-Dinitro-2-methylphenol; 4-Nitroaniline; Diethylphthalate; 4-Chlorophenyl-phenylether; Fluorene; 2,4-Dinitrotoluene; 4-Nitrophenol; Dibenzofuran; 2,4-Dinitrophenol; 3-Nitroaniline; Acenaphthene; 2,6-Dinitrotoluene; Acenaphthylene; Dimethyl Phthalate; 2-Nitroaniline; 2-Chloronaphthalene; 2,4,5-Trichlorophenol; 2,4,6-Trichlorophenol; Hexachlorocyclopentadiene; 4-Chloro-2-Methylphenol; 1-Methylnaphthalene; 2-Methylnaphthalene; 4-Chloro-3-Methylphenol; Hexachlorobutadiene; p-Chloroaniline; 4-Chlorophenol; Naphthalene; 1,2,4-Trichlorobenzene; 2,4-Dichlorophenol; bis(-2-Chloroethoxy)Methane; 2,4-Dimethylphenol; 2-Nitrophenol; Isophorone; Nitrobenzene; N-nitroso-Di-n-propylamine; Hexachloroethane; 4Methylphenol/3Methylphenol; 2-Methylphenol; bis(2-chloroisopropyl)Ether; Benzyl Alcohol; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; 1,3-Dichlorobenzene; 2-Chlorophenol; bis(-2-Chloroethyl)Ether; Phenol; Aniline; Pyridine; Carbazole; Benzoic Acid; o-Terphenyl; N-Nitrosodimethylamine; 1,4-Dichlorobenzene-d4;			✓	
CmdQuantitate	BL2000\sean	2/19/2022 9:37:13 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:38:37 AM	Split qualifier 77.0 of compound Benzoic Acid in sample Feb1803.D and keep left peak, new integration is from x, y = 6.140, 3689.90962302243 to 6.311, 3123.58842127441 and new response = 367686, previous integration is from x, y = 6.140, 3690 to 6.383, 2885 and previous response = 475679.			✓	
CmdSelectPeak	BL2000\sean	2/19/2022 9:38:44 AM	Select peak for compound Pyridine in sample Feb1803.D			✓	
CmdUpdateRetentionTimes	BL2000\sean	2/19/2022 9:38:53 AM	Update retention time for compound Pyridine;			✓	
CmdQuantitate	BL2000\sean	2/19/2022 9:39:04 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:39:18 AM	Apply target integration range 4.787-4.889 to qualifier 111.0 for compound 1,3-Dichlorobenzene in sample Feb1803.D, new integration is from x, y = 4.787, 249 to 4.889, 5324 and new response = 548356; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:39:18 AM	Drop baseline for qualifier 111.0 of compound 1,3-Dichlorobenzene in sample Feb1803.D to y = 249, new integration is from x, y = 4.787, 249 to 4.889, 249 and new response = 563906; previous integration is from x, y = 4.787, 249 to 4.889, 5324 and previous response = 548356.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:39:23 AM	Split qualifier 111.0 of compound 1,4-Dichlorobenzene in sample Feb1803.D and keep right peak, new integration is from x, y = 4.879, 0 to 4.981, 0 and new response = 526725, previous integration is from x, y = 4.797, 0 to 4.981, 0 and previous response = 1089932.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 9:39:30 AM	Manually integrate compound Benzyl Alcohol in sample Feb1803.D, from x, y = 5.022, 786632 to 5.206, 975101, result = -9026710; previous integration is from x, y = 5.216, 3390 to 5.349, 5138 and previous response = 1211519.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 9:39:31 AM	Snap baseline for compound Benzyl Alcohol in sample Feb1803.D, from x = 5.022 to x = 5.206, new integration is from x, y = 5.022, 440 to 5.206, 6608 and new response = 650373; previous integration is from x, y = 5.022, 786632 to 5.206, 975101 and previous response = -9026710.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:39:32 AM	Drop baseline for compound Benzyl Alcohol in sample Feb1803.D to y = 440, new integration is from x, y = 5.022, 440 to 5.206, 440 and new response = 684389; previous integration is from x, y = 5.022, 440 to 5.206, 6608 and previous response = 650373.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:39:33 AM	Set UserAnnotation = CO for compound Benzyl Alcohol in sample Feb1803.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:39:34 AM	Apply target integration range 5.022-5.206 to qualifier 107.0 for compound Benzyl Alcohol in sample Feb1803.D, new integration is from x, y = 5.022, 431 to 5.206, 4595 and new response = 461611; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:39:35 AM	Drop baseline for qualifier 107.0 of compound Benzyl Alcohol in sample Feb1803.D to y = 431, new integration is from x, y = 5.022, 431 to 5.206, 431 and new response = 484575; previous integration is from x, y = 5.022, 431 to 5.206, 4595 and previous response = 461611.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:39:46 AM	Apply target integration range 5.859-5.962 to qualifier 65.0 for compound 2-Nitrophenol in sample Feb1803.D, new integration is from x, y = 5.859, 2346 to 5.962, 2082 and new response = 224684; previous integration is from x, y = 5.974, 2043 to 6.155, 2354 and previous response = 343094.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:39:46 AM	Drop baseline for qualifier 65.0 of compound 2-Nitrophenol in sample Feb1803.D to y = 2082, new integration is from x, y = 5.859, 2082 to 5.962, 2082 and new response = 225495; previous integration is from x, y = 5.859, 2346 to 5.962, 2082 and previous response = 224684.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:39:54 AM	Apply target integration range 6.292-6.393 to qualifier 129.0 for compound Naphthalene in sample Feb1803.D, new integration is from x, y = 6.292, 292 to 6.393, 794 and new response = 305338; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:39:55 AM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Feb1803.D to y = 292, new integration is from x, y = 6.292, 292 to 6.393, 292 and new response = 306864; previous integration is from x, y = 6.292, 292 to 6.393, 794 and previous response = 305338.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:40:00 AM	Split qualifier 129.0 of compound p-Chloroaniline in sample Feb1803.D and keep right peak, new integration is from x, y = 6.393, 488.129841819697 to 6.557, 529.136728729636 and new response = 412908, previous integration is from x, y = 6.296, 464 to 6.557, 529 and previous response = 718652.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:40:01 AM	Split qualifier 129.0 of compound p-Chloroaniline in sample Feb1803.D and keep left peak, new integration is from x, y = 6.393, 488.129841819697 to 6.475, 508.631205607007 and new response = 389273, previous integration is from x, y = 6.393, 488 to 6.557, 529 and previous response = 412908.			✓	
CmdStartMethodEditing	BL2000\sean	2/19/2022 9:40:05 AM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\sean	2/19/2022 9:40:05 AM	Import method from sample Feb1803.D			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\sean	2/19/2022 9:40:12 AM	Set RightRetentionTimeDelta = 0.4 for compound p-Chloroaniline; previous value = 1			✓	
CmdApplyMethodToAllSamples	BL2000\sean	2/19/2022 9:40:30 AM	Apply method to all samples			✓	
CmdMethodClear	BL2000\sean	2/19/2022 9:40:30 AM	Clear method			✓	
CmdEndMethodEditing	BL2000\sean	2/19/2022 9:40:31 AM	End method editing			✓	
CmdQuantitate	BL2000\sean	2/19/2022 9:40:41 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 9:41:23 AM	Manually integrate compound 4-Chloro-3-Methylphenol in sample Feb1803.D, from x, y = 7.050, 510073 to 7.184, 573374, result = -3530465; previous integration is from x, y = 6.911, 762 to 7.009, 1029 and previous response = 742718.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 9:41:24 AM	Snap baseline for compound 4-Chloro-3-Methylphenol in sample Feb1803.D, from x = 7.050 to x = 7.184, new integration is from x, y = 7.050, 3405 to 7.184, 6174 and new response = 770915; previous integration is from x, y = 7.050, 510073 to 7.184, 573374 and previous response = -3530465.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:41:24 AM	Drop baseline for compound 4-Chloro-3-Methylphenol in sample Feb1803.D to y = 3405, new integration is from x, y = 7.050, 3405 to 7.184, 3405 and new response = 782006; previous integration is from x, y = 7.050, 3405 to 7.184, 6174 and previous response = 770915.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:41:26 AM	Set UserAnnotation = CO for compound 4-Chloro-3-Methylphenol in sample Feb1803.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:41:28 AM	Apply target integration range 7.050-7.184 to qualifier 144.0 for compound 4-Chloro-3-Methylphenol in sample Feb1803.D, new integration is from x, y = 7.050, 713 to 7.184, 1448 and new response = 217086; previously no peak.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:41:29 AM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1803.D and keep left peak, new integration is from x, y = 7.050, 713 to 7.122, 1108.80451878667 and new response = 200128, previous integration is from x, y = 7.050, 713 to 7.184, 1448 and previous response = 217086.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:41:41 AM	Split peak for compound 2,4,6-Trichlorophenol in sample Feb1803.D and keep left peak, new integration is from x, y = 7.492, 170.743044385374 to 7.553, 242.655503850916 and new response = 545615, previous integration is from x, y = 7.492, 171 to 7.697, 410 and previous response = 1132628.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:41:42 AM	Set UserAnnotation = CO for compound 2,4,6-Trichlorophenol in sample Feb1803.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:41:43 AM	Split qualifier 198.0 of compound 2,4,6-Trichlorophenol in sample Feb1803.D and keep left peak, new integration is from x, y = 7.492, 130.054654208066 to 7.553, 194.794787814617 and new response = 515679, previous integration is from x, y = 7.492, 130 to 7.687, 336 and previous response = 1072091.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:41:46 AM	Split peak for compound 2,4,5-Trichlorophenol in sample Feb1803.D and keep right peak, new integration is from x, y = 7.553, 191.954761221889 to 7.697, 340.650171302478 and new response = 587533, previous integration is from x, y = 7.477, 113 to 7.697, 341 and previous response = 1133380.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:41:48 AM	Set UserAnnotation = CO for compound 2,4,5-Trichlorophenol in sample Feb1803.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:41:49 AM	Split qualifier 198.0 of compound 2,4,5-Trichlorophenol in sample Feb1803.D and keep right peak, new integration is from x, y = 7.553, 134.055400057014 to 7.687, 238.512272938869 and new response = 558312, previous integration is from x, y = 7.492, 86 to 7.687, 239 and previous response = 1072889.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:42:04 AM	Apply target integration range 8.497-8.568 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1803.D, new integration is from x, y = 8.497, 2858 to 8.568, 4228 and new response = 84389; previous integration is from x, y = 8.384, 793 to 8.487, 871 and previous response = 1502587.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:42:05 AM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1803.D to y = 2858, new integration is from x, y = 8.497, 2858 to 8.568, 2858 and new response = 87332; previous integration is from x, y = 8.497, 2858 to 8.568, 4228 and previous response = 84389.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:42:12 AM	Split qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1803.D and keep right peak, new integration is from x, y = 8.650, 1949.34618217012 to 8.691, 1909.2458869976 and new response = 158612, previous integration is from x, y = 8.601, 1998 to 8.691, 1909 and previous response = 298617.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 9:42:59 AM	Manually integrate compound Anthracene in sample Feb1803.D, from x, y = 10.151, 1753768 to 10.394, 2008118, result = -21921309; previous integration is from x, y = 10.151, 453 to 10.222, 598 and previous response = 2790032.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 9:43:00 AM	Snap baseline for compound Anthracene in sample Feb1803.D, from x = 10.151 to x = 10.394, new integration is from x, y = 10.151, 679 to 10.394, 2975 and new response = 5485603; previous integration is from x, y = 10.151, 1753768 to 10.394, 2008118 and previous response = -21921309.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:43:00 AM	Drop baseline for compound Anthracene in sample Feb1803.D to y = 679, new integration is from x, y = 10.151, 679 to 10.394, 679 and new response = 5502346; previous integration is from x, y = 10.151, 679 to 10.394, 2975 and previous response = 5485603.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:43:01 AM	Split peak for compound Anthracene in sample Feb1803.D and keep right peak, new integration is from x, y = 10.222, 679 to 10.394, 679 and new response = 2712966, previous integration is from x, y = 10.151, 679 to 10.394, 679 and previous response = 5502346.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:43:03 AM	Apply target integration range 10.222-10.394 to qualifier 176.0 for compound Anthracene in sample Feb1803.D, new integration is from x, y = 10.222, 2178 to 10.394, 518 and new response = 490504; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:43:03 AM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1803.D to y = 518, new integration is from x, y = 10.222, 518 to 10.394, 518 and new response = 499079; previous integration is from x, y = 10.222, 2178 to 10.394, 518 and previous response = 490504.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:43:04 AM	Split qualifier 176.0 of compound Anthracene in sample Feb1803.D and keep left peak, new integration is from x, y = 10.222, 518 to 10.292, 518 and new response = 490589, previous integration is from x, y = 10.222, 518 to 10.394, 518 and previous response = 499079.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:43:32 AM	Split peak for compound Phenol-d5 in sample Feb1803.D and keep left peak, new integration is from x, y = 4.583, 113.898319158132 to 4.675, 173.489758179 and new response = 1344284, previous integration is from x, y = 4.583, 114 to 4.736, 214 and previous response = 1429615.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:43:33 AM	Set UserAnnotation = CO for compound Phenol-d5 in sample Feb1803.D; previous value =			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 9:43:40 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\sean	2/19/2022 9:43:56 AM	Replace level 6 with Calibration sample Feb1803.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 7 with Calibration sample Feb1802.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine};				
CmdQuantitate	BL2000\sean	2/19/2022 9:44:02 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 9:44:04 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:44:18 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound 2,4,6-Tribromophenol in sample Feb1803.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:44:30 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound Indeno(1,2,3-c,d)pyrene in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:44:43 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound Butylbenzylphthalate in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:44:46 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound Pyrene in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:44:54 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound Di-n-Butylphthalate in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:45:05 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound Hexachlorobenzene in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:45:08 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound 4-Bromophenyl-phenylether in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:45:16 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound 4,6-Dinitro-2-methylphenol in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:45:18 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound 4-Nitroaniline in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:45:22 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound Diethylphthalate in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:45:27 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound Fluorene in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:45:31 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound 2,4-Dinitrotoluene in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:45:37 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound Dibenzofuran in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:45:41 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound 2,4-Dinitrophenol in sample Feb1803.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:45:46 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound Acenaphthene in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:45:50 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound 2,6-Dinitrotoluene in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:45:56 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound Dimethyl Phthalate in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:46:00 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound 2-Nitroaniline in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:46:04 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound 2-Chloronaphthalene in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:46:07 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound 2,4,5-Trichlorophenol in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:46:12 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound 2,4,6-Trichlorophenol in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:46:15 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound Hexachlorocyclopentadiene in sample Feb1803.D; previous value = False			✓	
CmdSetLevelEnable	BL2000\sean	2/19/2022 9:46:42 AM	Set LevelEnable = True for calibration level 7, levelId = 423 of compound Nitrobenzene in sample Feb1803.D; previous value = False			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 9:47:11 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\sean	2/19/2022 9:49:05 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 9:49:11 AM	Set SampleType = Calibration for sample Feb1804.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 9:49:16 AM	Set LevelName = 5 for sample Feb1804.D; previous value =			✓	
CmdQuantitate	BL2000\sean	2/19/2022 9:49:27 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:49:42 AM	Split peak for compound 1,3-Dichlorobenzene in sample Feb1804.D and keep left peak, new integration is from x, y = 4.787, 0 to 4.879, 0 and new response = 1267074, previous integration is from x, y = 4.787, 0 to 4.981, 0 and previous response = 2537294.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:49:43 AM	Set UserAnnotation = CO for compound 1,3-Dichlorobenzene in sample Feb1804.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:49:45 AM	Split qualifier 148.0 of compound 1,3-Dichlorobenzene in sample Feb1804.D and keep left peak, new integration is from x, y = 4.798, 275.778362579782 to 4.879, 427.794867689872 and new response = 804183, previous integration is from x, y = 4.798, 276 to 4.961, 582 and previous response = 1608501.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:49:46 AM	Split qualifier 111.0 of compound 1,3-Dichlorobenzene in sample Feb1804.D and keep left peak, new integration is from x, y = 4.797, 0 to 4.869, 0 and new response = 469281, previous integration is from x, y = 4.797, 0 to 4.981, 0 and previous response = 929544.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:49:51 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1804.D and keep right peak, new integration is from x, y = 4.879, 0 to 4.981, 0 and new response = 1270219, previous integration is from x, y = 4.787, 0 to 4.981, 0 and previous response = 2537294.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:49:52 AM	Set UserAnnotation = CO for compound 1,4-Dichlorobenzene in sample Feb1804.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:49:54 AM	Split qualifier 148.0 of compound 1,4-Dichlorobenzene in sample Feb1804.D and keep right peak, new integration is from x, y = 4.879, 187.466466976189 to 4.961, 269.971519538803 and new response = 806251, previous integration is from x, y = 4.798, 105 to 4.961, 270 and previous response = 1610751.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:49:55 AM	Split qualifier 111.0 of compound 1,4-Dichlorobenzene in sample Feb1804.D and keep right peak, new integration is from x, y = 4.869, 0 to 4.981, 0 and new response = 460263, previous integration is from x, y = 4.797, 0 to 4.981, 0 and previous response = 929544.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 9:50:01 AM	Manually integrate compound Benzyl Alcohol in sample Feb1804.D, from x, y = 5.053, 662943 to 5.196, 756730, result = -5531798; previous integration is from x, y = 4.866, 189 to 4.953, 212 and previous response = 11113.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 9:50:04 AM	Snap baseline for compound Benzyl Alcohol in sample Feb1804.D, from x = 5.053 to x = 5.196, new integration is from x, y = 5.053, 1015 to 5.196, 5822 and new response = 528562; previous integration is from x, y = 5.053, 662943 to 5.196, 756730 and previous response = -5531798.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/19/2022 9:50:05 AM	Drop baseline for compound Benzyl Alcohol in sample Feb1804.D to y = 1015, new integration is from x, y = 5.053, 1015 to 5.196, 1015 and new response = 549182; previous integration is from x, y = 5.053, 1015 to 5.196, 5822 and previous response = 528562.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:50:06 AM	Set UserAnnotation = CO for compound Benzyl Alcohol in sample Feb1804.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:50:08 AM	Apply target integration range 5.053-5.196 to qualifier 107.0 for compound Benzyl Alcohol in sample Feb1804.D, new integration is from x, y = 5.053, 856 to 5.196, 4204 and new response = 370390; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/19/2022 9:50:08 AM	Drop baseline for qualifier 107.0 of compound Benzyl Alcohol in sample Feb1804.D to y = 856, new integration is from x, y = 5.053, 856 to 5.196, 856 and new response = 384752; previous integration is from x, y = 5.053, 856 to 5.196, 4204 and previous response = 370390.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:50:16 AM	Apply target integration range 5.402-5.502 to qualifier 108.0 for compound 4Methylphenol/3Methylphenol in sample Feb1804.D, new integration is from x, y = 5.402, 3968 to 5.502, 9494 and new response = 987546; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/19/2022 9:50:17 AM	Drop baseline for qualifier 108.0 of compound 4Methylphenol/3Methylphenol in sample Feb1804.D to y = 3968, new integration is from x, y = 5.402, 3968 to 5.502, 3968 and new response = 1004073; previous integration is from x, y = 5.402, 3968 to 5.502, 9494 and previous response = 987546.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:50:27 AM	Apply target integration range 5.859-5.951 to qualifier 65.0 for compound 2-Nitrophenol in sample Feb1804.D, new integration is from x, y = 5.859, 2546 to 5.951, 2456 and new response = 173572; previous integration is from x, y = 6.065, 2467 to 6.143, 2551 and previous response = 198543.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:50:28 AM	Drop baseline for qualifier 65.0 of compound 2-Nitrophenol in sample Feb1804.D to y = 2456, new integration is from x, y = 5.859, 2456 to 5.951, 2456 and new response = 173821; previous integration is from x, y = 5.859, 2546 to 5.951, 2456 and previous response = 173572.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:50:36 AM	Apply target integration range 6.301-6.393 to qualifier 129.0 for compound Naphthalene in sample Feb1804.D, new integration is from x, y = 6.301, 643 to 6.393, 1105 and new response = 263268; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:50:36 AM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Feb1804.D to y = 643, new integration is from x, y = 6.301, 643 to 6.393, 643 and new response = 264544; previous integration is from x, y = 6.301, 643 to 6.393, 1105 and previous response = 263268.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:50:43 AM	Split qualifier 129.0 of compound p-Chloroaniline in sample Feb1804.D and keep right peak, new integration is from x, y = 6.393, 619.88809057818 to 6.465, 672.53611765944 and new response = 341510, previous integration is from x, y = 6.298, 550 to 6.465, 673 and previous response = 606321.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:50:49 AM	Split peak for compound 4-Chloro-3-Methylphenol in sample Feb1804.D and keep right peak, new integration is from x, y = 7.050, 865.359635737729 to 7.153, 1017.71030060311 and new response = 646645, previous integration is from x, y = 6.907, 653 to 7.153, 1018 and previous response = 1285509.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:50:50 AM	Set UserAnnotation = CO for compound 4-Chloro-3-Methylphenol in sample Feb1804.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:50:52 AM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1804.D and keep right peak, new integration is from x, y = 7.050, 0 to 7.122, 0 and new response = 170458, previous integration is from x, y = 6.917, 0 to 7.122, 0 and previous response = 334282.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:50:59 AM	Split peak for compound 1-Methylnaphthalene in sample Feb1804.D and keep left peak, new integration is from x, y = 7.235, 1388.57631811832 to 7.317, 1438.13249566859 and new response = 1279557, previous integration is from x, y = 7.235, 1389 to 7.389, 1482 and previous response = 1339883.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:51:00 AM	Set UserAnnotation = CO for compound 1-Methylnaphthalene in sample Feb1804.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:51:06 AM	Split peak for compound 4-Chloro-2-Methylphenol in sample Feb1804.D and keep left peak, new integration is from x, y = 6.913, 930.74197447722 to 7.050, 1547.31727011812 and new response = 635015, previous integration is from x, y = 6.913, 931 to 7.153, 2009 and previous response = 1276504.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:51:08 AM	Set UserAnnotation = CO for compound 4-Chloro-2-Methylphenol in sample Feb1804.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:51:09 AM	Split qualifier 144.0 of compound 4-Chloro-2-Methylphenol in sample Feb1804.D and keep left peak, new integration is from x, y = 6.917, 0 to 7.050, 0 and new response = 163824, previous integration is from x, y = 6.917, 0 to 7.122, 0 and previous response = 334282.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:51:15 AM	Split peak for compound 2,4,6-Trichlorophenol in sample Feb1804.D and keep left peak, new integration is from x, y = 7.492, 147.616935798609 to 7.553, 241.780483233491 and new response = 467130, previous integration is from x, y = 7.492, 148 to 7.646, 384 and previous response = 947280.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:51:16 AM	Set UserAnnotation = CO for compound 2,4,6-Trichlorophenol in sample Feb1804.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:51:17 AM	Split qualifier 198.0 of compound 2,4,6-Trichlorophenol in sample Feb1804.D and keep left peak, new integration is from x, y = 7.492, 130.900434313686 to 7.553, 183.172825324478 and new response = 434135, previous integration is from x, y = 7.492, 131 to 7.646, 262 and previous response = 891094.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 9:51:18 AM	Manually integrate compound 2,4,6-Trichlorophenol in sample Feb1804.D, from x, y = 7.759, 507205 to 7.779, 501652, result = -620179; previous integration is from x, y = 7.492, 148 to 7.553, 242 and previous response = 467130.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:51:21 AM	Split peak for compound 2,4,5-Trichlorophenol in sample Feb1804.D and keep right peak, new integration is from x, y = 7.553, 195.34337104153 to 7.646, 300.702598915578 and new response = 481776, previous integration is from x, y = 7.492, 125 to 7.646, 301 and previous response = 947751.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:51:23 AM	Set UserAnnotation = CO for compound 2,4,5-Trichlorophenol in sample Feb1804.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:51:24 AM	Split qualifier 198.0 of compound 2,4,5-Trichlorophenol in sample Feb1804.D and keep right peak, new integration is from x, y = 7.553, 154.189101207344 to 7.646, 227.320704181375 and new response = 458154, previous integration is from x, y = 7.492, 106 to 7.646, 227 and previous response = 891355.			✓	
CmdClearManualIntegration	BL2000\sean	2/19/2022 9:51:28 AM	Clear manual integration of qualifier 198.0 for compound 2,4,6-Trichlorophenol in sample Feb1804.D			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:51:29 AM	Split qualifier 0 of compound 77 in sample 3, keep left peak.			✓	
CmdClearManualIntegration	BL2000\sean	2/19/2022 9:51:32 AM	Clear manual integration of target signal for compound 2,4,6-Trichlorophenol in sample Feb1804.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:51:32 AM	Set UserAnnotation = for compound 2,4,6-Trichlorophenol in sample Feb1804.D; previous value = CO			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:51:33 AM	Split peak for compound 2,4,6-Trichlorophenol in sample Feb1804.D and keep left peak, new integration is from x, y = 7.492, 147.616935798609 to 7.553, 241.780483233491 and new response = 467130, previous integration is from x, y = 7.492, 148 to 7.646, 384 and previous response = 947280.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:51:35 AM	Set UserAnnotation = CO for compound 2,4,6-Trichlorophenol in sample Feb1804.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:51:36 AM	Split qualifier 198.0 of compound 2,4,6-Trichlorophenol in sample Feb1804.D and keep left peak, new integration is from x, y = 7.492, 130.900434313686 to 7.553, 183.172825324478 and new response = 434135, previous integration is from x, y = 7.492, 131 to 7.646, 262 and previous response = 891094.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:51:46 AM	Apply target integration range 8.169-8.313 to qualifier 153.1 for compound Acenaphthylene in sample Feb1804.D, new integration is from x, y = 8.169, 0 to 8.313, 1261 and new response = 319370; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:51:47 AM	Drop baseline for qualifier 153.1 of compound Acenaphthylene in sample Feb1804.D to y = 0, new integration is from x, y = 8.169, 0 to 8.313, 0 and new response = 324788; previous integration is from x, y = 8.169, 0 to 8.313, 1261 and previous response = 319370.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:51:54 AM	Apply target integration range 8.497-8.640 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1804.D, new integration is from x, y = 8.497, 3474 to 8.640, 1940 and new response = 67019; previous integration is from x, y = 8.384, 805 to 8.487, 887 and previous response = 1278661.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:51:55 AM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1804.D to y = 1940, new integration is from x, y = 8.497, 1940 to 8.640, 1940 and new response = 73611; previous integration is from x, y = 8.497, 3474 to 8.640, 1940 and previous response = 67019.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:52:01 AM	Apply target integration range 8.681-8.783 to qualifier 139.0 for compound 4-Nitrophenol in sample Feb1804.D, new integration is from x, y = 8.681, 2670 to 8.783, 3517 and new response = 181047; previous integration is from x, y = 8.600, 334 to 8.681, 483 and previous response = 856445.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:52:02 AM	Drop baseline for qualifier 139.0 of compound 4-Nitrophenol in sample Feb1804.D to y = 2670, new integration is from x, y = 8.681, 2670 to 8.783, 2670 and new response = 183647; previous integration is from x, y = 8.681, 2670 to 8.783, 3517 and previous response = 181047.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:52:07 AM	Split qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1804.D and keep right peak, new integration is from x, y = 8.650, 1766.9562761602 to 8.691, 1719.46118770451 and new response = 128093, previous integration is from x, y = 8.589, 1838 to 8.691, 1719 and previous response = 253803.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:52:11 AM	Apply target integration range 9.008-9.111 to qualifier 167.0 for compound Fluorene in sample Feb1804.D, new integration is from x, y = 9.008, 603 to 9.111, 536 and new response = 231381; previous integration is from x, y = 9.131, 456 to 9.356, 641 and previous response = 415674.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:52:12 AM	Drop baseline for qualifier 167.0 of compound Fluorene in sample Feb1804.D to y = 536, new integration is from x, y = 9.008, 536 to 9.111, 536 and new response = 231586; previous integration is from x, y = 9.008, 603 to 9.111, 536 and previous response = 231381.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:52:24 AM	Apply target integration range 9.203-9.366 to qualifier 167.0 for compound N-nitrosodiphenylamine in sample Feb1804.D, new integration is from x, y = 9.203, 4959 to 9.366, 1124 and new response = 384649; previous integration is from x, y = 9.131, 465 to 9.356, 515 and previous response = 416466.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:52:25 AM	Drop baseline for qualifier 167.0 of compound N-nitrosodiphenylamine in sample Feb1804.D to y = 1124, new integration is from x, y = 9.203, 1124 to 9.366, 1124 and new response = 403481; previous integration is from x, y = 9.203, 4959 to 9.366, 1124 and previous response = 384649.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 9:52:38 AM	Manually integrate compound Anthracene in sample Feb1804.D, from x, y = 10.130, 2075573 to 10.333, 2131350, result = -20506321; previous integration is from x, y = 10.151, 384 to 10.222, 543 and previous response = 2583019.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 9:52:39 AM	Snap baseline for compound Anthracene in sample Feb1804.D, from x = 10.130 to x = 10.333, new integration is from x, y = 10.130, 314 to 10.333, 4758 and new response = 5028325; previous integration is from x, y = 10.130, 2075573 to 10.333, 2131350 and previous response = -20506321.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:52:40 AM	Drop baseline for compound Anthracene in sample Feb1804.D to y = 314, new integration is from x, y = 10.130, 314 to 10.333, 314 and new response = 5055331; previous integration is from x, y = 10.130, 314 to 10.333, 4758 and previous response = 5028325.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:52:41 AM	Split peak for compound Anthracene in sample Feb1804.D and keep right peak, new integration is from x, y = 10.222, 314 to 10.333, 314 and new response = 2471452, previous integration is from x, y = 10.130, 314 to 10.333, 314 and previous response = 5055331.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:52:42 AM	Set UserAnnotation = CO for compound Anthracene in sample Feb1804.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 9:52:43 AM	Apply target integration range 10.222-10.333 to qualifier 176.0 for compound Anthracene in sample Feb1804.D, new integration is from x, y = 10.222, 1526 to 10.333, 705 and new response = 455520; previously no peak.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 9:52:44 AM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1804.D to y = 705, new integration is from x, y = 10.222, 705 to 10.333, 705 and new response = 458264; previous integration is from x, y = 10.222, 1526 to 10.333, 705 and previous response = 455520.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 9:52:45 AM	Snap baseline for qualifier 176.0 of compound Anthracene in sample Feb1804.D from x = 10.222 to x = 10.333, new integration is from x, y = 10.222, 1526 to 10.333, 705 and new response = 455520; previous integration is from x, y = 10.222, 705 to 10.333, 705 and previous response = 458264.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 9:53:13 AM	Split peak for compound Phenol-d5 in sample Feb1804.D and keep left peak, new integration is from x, y = 4.583, 71.8751648053908 to 4.675, 123.700174534308 and new response = 1136511, previous integration is from x, y = 4.583, 72 to 4.746, 164 and previous response = 1216806.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 9:53:14 AM	Set UserAnnotation = CO for compound Phenol-d5 in sample Feb1804.D; previous value =			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 9:53:25 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdStartMethodEditing	BL2000\sean	2/19/2022 9:53:29 AM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\sean	2/19/2022 9:53:29 AM	Import method from sample Feb1804.D			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\sean	2/19/2022 9:53:53 AM	Set RightRetentionTimeDelta = 0.4 for compound 2-Fluorophenol; previous value = 1			✓	
CmdSetMethodTargetCompoundAttribute	BL2000\sean	2/19/2022 9:53:55 AM	Set RightRetentionTimeDelta = 0.4 for compound Phenol-d5; previous value = 1			✓	
CmdApplyMethodToAllSamples	BL2000\sean	2/19/2022 9:54:01 AM	Apply method to all samples			✓	
CmdMethodClear	BL2000\sean	2/19/2022 9:54:01 AM	Clear method			✓	
CmdEndMethodEditing	BL2000\sean	2/19/2022 9:54:02 AM	End method editing			✓	
CmdQuantitate	BL2000\sean	2/19/2022 9:54:15 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\sean	2/19/2022 9:54:44 AM	Replace level 5 with Calibration sample Feb1804.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 6 with Calibration sample Feb1803.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 7 with Calibration sample Feb1802.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine};				
CmdQuantitate	BL2000\sean	2/19/2022 9:54:53 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 9:54:58 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 9:55:46 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\sean	2/19/2022 10:30:29 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 10:30:40 AM	Set SampleType = Calibration for sample Feb1805.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 10:30:44 AM	Set LevelName = 4 for sample Feb1805.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdQuantitate	BL2000\sean	2/19/2022 10:30:58 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:33:41 AM	Split peak for compound Aniline in sample Feb1805.D and keep left peak, new integration is from x, y = 4.533, 594.920040545006 to 4.613, 696.178973724675 and new response = 1113327, previous integration is from x, y = 4.533, 595 to 4.674, 773 and previous response = 1816940.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:33:46 AM	Split peak for compound bis(-2-Chloroethyl)Ether in sample Feb1805.D and keep left peak, new integration is from x, y = 4.593, 694.571679468118 to 4.674, 743.685420572998 and new response = 606109, previous integration is from x, y = 4.593, 695 to 4.715, 768 and previous response = 823209.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 10:33:47 AM	Set UserAnnotation = CO for compound bis(-2-Chloroethyl)Ether in sample Feb1805.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:33:54 AM	Split peak for compound 1,3-Dichlorobenzene in sample Feb1805.D and keep left peak, new integration is from x, y = 4.797, 0 to 5.032, 0 and new response = 1845264, previous integration is from x, y = 4.797, 0 to 5.134, 0 and previous response = 2736247.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 10:33:56 AM	Set UserAnnotation = CO for compound 1,3-Dichlorobenzene in sample Feb1805.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:33:57 AM	Split qualifier 148.0 of compound 1,3-Dichlorobenzene in sample Feb1805.D and keep left peak, new integration is from x, y = 4.798, 215.864058254305 to 5.022, 558.867736538114 and new response = 1173269, previous integration is from x, y = 4.798, 216 to 5.134, 731 and previous response = 1741287.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:34:00 AM	Split peak for compound 1,3-Dichlorobenzene in sample Feb1805.D and keep left peak, new integration is from x, y = 4.797, 0 to 4.879, 0 and new response = 915843, previous integration is from x, y = 4.797, 0 to 5.032, 0 and previous response = 1845264.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 10:34:00 AM	Set UserAnnotation = CO for compound 1,3-Dichlorobenzene in sample Feb1805.D; previous value = CO			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:34:04 AM	Apply target integration range 4.797-4.879 to qualifier 148.0 for compound 1,3-Dichlorobenzene in sample Feb1805.D, new integration is from x, y = 4.797, 0 to 4.879, 2267 and new response = 580907; previous integration is from x, y = 4.798, 216 to 5.022, 559 and previous response = 1173269.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:34:05 AM	Apply target integration range 4.797-4.879 to qualifier 111.0 for compound 1,3-Dichlorobenzene in sample Feb1805.D, new integration is from x, y = 4.797, 0 to 4.879, 1777 and new response = 340280; previous integration is from x, y = 4.797, 0 to 5.134, 0 and previous response = 1017683.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:34:10 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1805.D and keep left peak, new integration is from x, y = 4.797, 0 to 5.032, 0 and new response = 1845264, previous integration is from x, y = 4.797, 0 to 5.134, 0 and previous response = 2736247.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:34:12 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1805.D and keep right peak, new integration is from x, y = 4.879, 0 to 5.032, 0 and new response = 929421, previous integration is from x, y = 4.797, 0 to 5.032, 0 and previous response = 1845264.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 10:34:14 AM	Set UserAnnotation = CO for compound 1,4-Dichlorobenzene in sample Feb1805.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:34:15 AM	Apply target integration range 4.879-5.032 to qualifier 148.0 for compound 1,4-Dichlorobenzene in sample Feb1805.D, new integration is from x, y = 4.879, 2267 to 5.032, 1180 and new response = 576897; previous integration is from x, y = 4.797, 80 to 5.134, 350 and previous response = 1746427.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:34:17 AM	Apply target integration range 4.879-5.032 to qualifier 111.0 for compound 1,4-Dichlorobenzene in sample Feb1805.D, new integration is from x, y = 4.879, 1777 to 5.032, 1183 and new response = 321690; previous integration is from x, y = 4.797, 0 to 5.134, 0 and previous response = 1017683.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:34:22 AM	Split peak for compound 1,2-Dichlorobenzene in sample Feb1805.D and keep right peak, new integration is from x, y = 5.032, 352.047619047619 to 5.134, 352.047619047619 and new response = 888825, previous integration is from x, y = 4.798, 352 to 5.134, 352 and previous response = 2727860.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 10:34:23 AM	Set UserAnnotation = CO for compound 1,2-Dichlorobenzene in sample Feb1805.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:34:25 AM	Apply target integration range 5.032-5.134 to qualifier 148.0 for compound 1,2-Dichlorobenzene in sample Feb1805.D, new integration is from x, y = 5.032, 1180 to 5.134, 1450 and new response = 564307; previous integration is from x, y = 4.797, 52 to 5.134, 215 and previous response = 1748047.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:34:51 AM	Apply target integration range 6.393-6.506 to qualifier 129.0 for compound p-Chloroaniline in sample Feb1805.D, new integration is from x, y = 6.393, 1460 to 6.506, 2099 and new response = 249660; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 10:34:51 AM	Drop baseline for qualifier 129.0 of compound p-Chloroaniline in sample Feb1805.D to y = 1460, new integration is from x, y = 6.393, 1460 to 6.506, 1460 and new response = 251826; previous integration is from x, y = 6.393, 1460 to 6.506, 2099 and previous response = 249660.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:34:54 AM	Split qualifier 129.0 of compound p-Chloroaniline in sample Feb1805.D and keep left peak, new integration is from x, y = 6.393, 1460 to 6.475, 1460 and new response = 242393, previous integration is from x, y = 6.393, 1460 to 6.506, 1460 and previous response = 251826.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:35:00 AM	Split peak for compound 4-Chloro-3-Methylphenol in sample Feb1805.D and keep right peak, new integration is from x, y = 7.050, 782.387392196336 to 7.194, 1022.52073022074 and new response = 450778, previous integration is from x, y = 6.908, 546 to 7.194, 1023 and previous response = 897963.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 10:35:01 AM	Set UserAnnotation = CO for compound 4-Chloro-3-Methylphenol in sample Feb1805.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:35:04 AM	Apply target integration range 7.050-7.194 to qualifier 144.0 for compound 4-Chloro-3-Methylphenol in sample Feb1805.D, new integration is from x, y = 7.050, 1012 to 7.194, 509 and new response = 128130; previous integration is from x, y = 6.900, 94 to 7.194, 309 and previous response = 251968.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 10:35:04 AM	Drop baseline for qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1805.D to y = 509, new integration is from x, y = 7.050, 509 to 7.194, 509 and new response = 130300; previous integration is from x, y = 7.050, 1012 to 7.194, 509 and previous response = 128130.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:35:06 AM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1805.D and keep left peak, new integration is from x, y = 7.050, 509 to 7.122, 509 and new response = 118472, previous integration is from x, y = 7.050, 509 to 7.194, 509 and previous response = 130300.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:35:14 AM	Split peak for compound 4-Chloro-2-Methylphenol in sample Feb1805.D and keep left peak, new integration is from x, y = 6.913, 767.91958573565 to 7.050, 1091.73027428085 and new response = 445081, previous integration is from x, y = 6.913, 768 to 7.194, 1432 and previous response = 892705.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 10:35:15 AM	Set UserAnnotation = CO for compound 4-Chloro-2-Methylphenol in sample Feb1805.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:35:17 AM	Split qualifier 144.0 of compound 4-Chloro-2-Methylphenol in sample Feb1805.D and keep left peak, new integration is from x, y = 6.917, 157.151961209722 to 7.030, 260.691213332602 and new response = 118049, previous integration is from x, y = 6.917, 157 to 7.194, 411 and previous response = 250603.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:35:23 AM	Split peak for compound 2,4,6-Trichlorophenol in sample Feb1805.D and keep left peak, new integration is from x, y = 7.492, 90.6977489503652 to 7.553, 130.42469528648 and new response = 298561, previous integration is from x, y = 7.492, 91 to 7.594, 157 and previous response = 611950.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 10:35:24 AM	Set UserAnnotation = CO for compound 2,4,6-Trichlorophenol in sample Feb1805.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:35:26 AM	Apply target integration range 7.492-7.553 to qualifier 198.0 for compound 2,4,6-Trichlorophenol in sample Feb1805.D, new integration is from x, y = 7.492, 0 to 7.553, 3195 and new response = 278217; previous integration is from x, y = 7.492, 76 to 7.594, 131 and previous response = 582852.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 10:35:26 AM	Drop baseline for qualifier 198.0 of compound 2,4,6-Trichlorophenol in sample Feb1805.D to y = 0, new integration is from x, y = 7.492, 0 to 7.553, 0 and new response = 284107; previous integration is from x, y = 7.492, 0 to 7.553, 3195 and previous response = 278217.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 10:35:31 AM	Manually integrate compound 2,4,5-Trichlorophenol in sample Feb1805.D, from x, y = 7.451, 266473 to 7.748, 266473, result = -4111437; previous integration is from x, y = 7.492, 77 to 7.594, 150 and previous response = 612006.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 10:35:32 AM	Snap baseline for compound 2,4,5-Trichlorophenol in sample Feb1805.D, from x = 7.451 to x = 7.748, new integration is from x, y = 7.451, 0 to 7.748, 812 and new response = 642919; previous integration is from x, y = 7.451, 266473 to 7.748, 266473 and previous response = -4111437.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 10:35:32 AM	Drop baseline for compound 2,4,5-Trichlorophenol in sample Feb1805.D to y = 0, new integration is from x, y = 7.451, 0 to 7.748, 0 and new response = 650174; previous integration is from x, y = 7.451, 0 to 7.748, 812 and previous response = 642919.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 10:35:34 AM	Split peak for compound 2,4,5-Trichlorophenol in sample Feb1805.D and keep right peak, new integration is from x, y = 7.553, 0 to 7.748, 0 and new response = 351204, previous integration is from x, y = 7.451, 0 to 7.748, 0 and previous response = 650174.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 10:35:36 AM	Set UserAnnotation = CO for compound 2,4,5-Trichlorophenol in sample Feb1805.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:35:37 AM	Apply target integration range 7.553-7.748 to qualifier 198.0 for compound 2,4,5-Trichlorophenol in sample Feb1805.D, new integration is from x, y = 7.553, 3195 to 7.748, 715 and new response = 311753; previous integration is from x, y = 7.492, 68 to 7.594, 135 and previous response = 582862.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 10:35:38 AM	Drop baseline for qualifier 198.0 of compound 2,4,5-Trichlorophenol in sample Feb1805.D to y = 715, new integration is from x, y = 7.553, 715 to 7.748, 715 and new response = 326270; previous integration is from x, y = 7.553, 3195 to 7.748, 715 and previous response = 311753.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:35:50 AM	Apply target integration range 8.384-8.486 to qualifier 152.0 for compound Acenaphthene in sample Feb1805.D, new integration is from x, y = 8.384, 1795 to 8.486, 3099 and new response = 512255; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 10:35:51 AM	Drop baseline for qualifier 152.0 of compound Acenaphthene in sample Feb1805.D to y = 1795, new integration is from x, y = 8.384, 1795 to 8.486, 1795 and new response = 516257; previous integration is from x, y = 8.384, 1795 to 8.486, 3099 and previous response = 512255.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:35:58 AM	Apply target integration range 8.486-8.578 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1805.D, new integration is from x, y = 8.486, 3031 to 8.578, 2107 and new response = 40420; previous integration is from x, y = 8.384, 582 to 8.486, 652 and previous response = 971683.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 10:35:59 AM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1805.D to y = 2107, new integration is from x, y = 8.486, 2107 to 8.578, 2107 and new response = 42972; previous integration is from x, y = 8.486, 3031 to 8.578, 2107 and previous response = 40420.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:36:04 AM	Apply target integration range 8.671-8.834 to qualifier 139.0 for compound 4-Nitrophenol in sample Feb1805.D, new integration is from x, y = 8.671, 1930 to 8.834, 1299 and new response = 114587; previous integration is from x, y = 8.599, 332 to 8.671, 382 and previous response = 649705.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 10:36:05 AM	Drop baseline for qualifier 139.0 of compound 4-Nitrophenol in sample Feb1805.D to y = 1299, new integration is from x, y = 8.671, 1299 to 8.834, 1299 and new response = 117685; previous integration is from x, y = 8.671, 1930 to 8.834, 1299 and previous response = 114587.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 10:36:12 AM	Apply target integration range 9.008-9.100 to qualifier 167.0 for compound Fluorene in sample Feb1805.D, new integration is from x, y = 9.008, 245 to 9.100, 687 and new response = 171997; previous integration is from x, y = 9.182, 730 to 9.295, 910 and previous response = 289013.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 10:36:13 AM	Drop baseline for qualifier 167.0 of compound Fluorene in sample Feb1805.D to y = 245, new integration is from x, y = 9.008, 245 to 9.100, 245 and new response = 173217; previous integration is from x, y = 9.008, 245 to 9.100, 687 and previous response = 171997.			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 10:37:09 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdUpdateRetentionTimes	BL2000\sean	2/19/2022 10:37:32 AM	Update retention time for compound Perylene-d12; Chrysene-d12; Phenanthrene-d10; Acenaphthene-d10; Naphthalene-d8; Terphenyl-d14; 2,4,6-Tribromophenol; 2-Fluorobiphenyl; Nitrobenzene-d5; Phenol-d5; 2-Fluorophenol; Benzo(g,h,i)perylene; Dibenzo(a,h)anthracene; Indeno(1,2,3-c,d)pyrene; Benzo(a)pyrene; Benzo(k)fluoranthene; Benzo(b)fluoranthene; Di-n-octyl Phthalate; bis(2-ethylhexyl)Phthalate; 3,3-Dichlorobenzidine; Chrysene; Benzo(a)Anthracene; Butylbenzylphthalate; Pyrene; Benzidine; Fluoranthene; Di-n-Butylphthalate; Triallate; Anthracene; Phenanthrene; Pentachlorophenol; Hexachlorobenzene; 4-Bromophenyl-phenylether; Azobenzene; N-nitrosodiphenylamine; 4,6-Dinitro-2-methylphenol; 4-Nitroaniline; Diethylphthalate; 4-Chlorophenyl-phenylether; Fluorene; 2,4-Dinitrotoluene; 4-Nitrophenol; Dibenzofuran; 2,4-Dinitrophenol; 3-Nitroaniline; Acenaphthene; 2,6-Dinitrotoluene; Acenaphthylene; Dimethyl Phthalate; 2-Nitroaniline; 2-Chloronaphthalene; 2,4,5-Trichlorophenol; 2,4,6-Trichlorophenol; Hexachlorocyclopentadiene; 4-Chloro-2-Methylphenol; 1-Methylnaphthalene; 2-Methylnaphthalene; 4-Chloro-3-Methylphenol; Hexachlorobutadiene; p-Chloroaniline; 4-Chlorophenol; Naphthalene; 1,2,4-Trichlorobenzene; 2,4-Dichlorophenol; bis(-2-Chloroethoxy)Methane; 2,4-Dimethylphenol; 2-Nitrophenol; Isophorone; Nitrobenzene; N-nitroso-Di-n-propylamine; Hexachloroethane; 4Methylphenol/3Methylphenol; 2-Methylphenol; bis(2-chloroisopropyl)Ether; Benzyl Alcohol; 1,2-Dichlorobenzene; 1,4-Dichlorobenzene; 1,3-Dichlorobenzene; 2-Chlorophenol; bis(-2-Chloroethyl)Ether; Phenol; Aniline; Pyridine; Carbazole; Benzoic Acid; o-Terphenyl; N-Nitrosodimethylamine; 1,4-Dichlorobenzene-d4;			✓	
CmdQuantitate	BL2000\sean	2/19/2022 10:37:45 AM	Quantitate all compounds in all samples			✓	
CmdQuantitate	BL2000\sean	2/19/2022 10:38:06 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 10:40:13 AM	Manually integrate compound 1,4-Dichlorobenzene-d4 in sample Feb1805.D, from x, y = 4.838, -999 to 5.246, -584, result = 368799; previous integration is from x, y = 4.848, 0 to 4.950, 0 and previous response = 340609.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 10:40:15 AM	Snap baseline for compound 1,4-Dichlorobenzene-d4 in sample Feb1805.D, from x = 4.838 to x = 5.246, new integration is from x, y = 4.838, 0 to 5.246, 0 and new response = 349403; previous integration is from x, y = 4.838, -999 to 5.246, -584 and previous response = 368799.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 10:40:17 AM	Drop baseline for compound 1,4-Dichlorobenzene-d4 in sample Feb1805.D to y = 0, new integration is from x, y = 4.838, 0 to 5.246, 0 and new response = 349403; previous integration is from x, y = 4.838, 0 to 5.246, 0 and previous response = 349403.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\sean	2/19/2022 10:40:42 AM	Replace level 4 with Calibration sample Feb1805.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 5 with Calibration sample Feb1804.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 6 with Calibration sample Feb1803.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 7 with Calibration sample Feb1802.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine};				
CmdQuantitate	BL2000\sean	2/19/2022 10:40:51 AM	Quantitate all compounds in all samples			✓	
CmdQuantitate	BL2000\sean	2/19/2022 10:41:07 AM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 10:41:21 AM	Set UserAnnotation = BA for compound 1,4-Dichlorobenzene-d4 in sample Feb1805.D; previous value =			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 10:41:24 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\sean	2/19/2022 12:27:39 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 12:31:15 PM	Set SampleType = Calibration for sample Feb1806.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 12:31:19 PM	Set SampleType = Calibration for sample Feb1807.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 12:31:25 PM	Set SampleType = Calibration for sample Feb1808.D; previous value = Sample			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\sean	2/19/2022 12:31:30 PM	Set LevelName = 1 for sample Feb1808.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 12:31:37 PM	Set LevelName = 2 for sample Feb1807.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 12:31:43 PM	Set LevelName = 3 for sample Feb1806.D; previous value =			✓	
CmdQuantitate	BL2000\sean	2/19/2022 12:32:08 PM	Quantitate all compounds in all samples			✓	
CmdSelectPeak	BL2000\sean	2/19/2022 12:33:06 PM	Select peak for qualifier 66.0 of compound Aniline in sample Feb1806.D				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandException: Manual peak selection failed ---> System.ApplicationException: Cannot find qualifier peak with id=0 in target qualifier : QualifierIon[batchId = 0, sampleId = 5, compoundId = 35, qualifierId = 0, MZ = 66] at Agilent.MassSpectrometry.DataAnalysis.Quantitative.Analysis.QualifierIon.SelectPeak(Int16 peakId) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdSelectPeak.Do() --- End of inner exception stack trace --- at Agilent.MassSpectrometry.DataAnalysis.Quantitative.CmdSelectPeak.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:33:09 PM	Apply target integration range 4.532-4.603 to qualifier 66.0 for compound Aniline in sample Feb1806.D, new integration is from x, y = 4.532, 580 to 4.603, 30368 and new response = 215315; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:33:10 PM	Apply target integration range 4.532-4.603 to qualifier 65.0 for compound Aniline in sample Feb1806.D, new integration is from x, y = 4.532, 1020 to 4.603, 11290 and new response = 122946; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:33:12 PM	Drop baseline for qualifier 65.0 of compound Aniline in sample Feb1806.D to y = 1020, new integration is from x, y = 4.532, 1020 to 4.603, 1020 and new response = 144780; previous integration is from x, y = 4.532, 1020 to 4.603, 11290 and previous response = 122946.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:33:13 PM	Drop baseline for qualifier 66.0 of compound Aniline in sample Feb1806.D to y = 580, new integration is from x, y = 4.532, 580 to 4.603, 580 and new response = 278644; previous integration is from x, y = 4.532, 580 to 4.603, 30368 and previous response = 215315.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:33:17 PM	Split qualifier 66.0 of compound Phenol in sample Feb1806.D and keep right peak, new integration is from x, y = 4.593, 939.841640939988 to 4.675, 1021.9749100942 and new response = 268965, previous integration is from x, y = 4.533, 880 to 4.675, 1022 and previous response = 533976.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:33:21 PM	Split qualifier 64.0 of compound bis(-2-Chloroethyl)Ether in sample Feb1806.D and keep right peak, new integration is from x, y = 4.593, 338.278279970326 to 4.664, 367.815472674779 and new response = 42389, previous integration is from x, y = 4.533, 313 to 4.664, 368 and previous response = 60943.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:33:30 PM	Manually integrate compound 1,2-Dichlorobenzene in sample Feb1806.D, from x, y = 5.022, 234427 to 5.124, 299513, result = -1015907; previous integration is from x, y = 4.879, 80 to 4.981, 147 and previous response = 621178.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 12:33:31 PM	Snap baseline for compound 1,2-Dichlorobenzene in sample Feb1806.D, from x = 5.022 to x = 5.124, new integration is from x, y = 5.022, 865 to 5.124, 1891 and new response = 611643; previous integration is from x, y = 5.022, 234427 to 5.124, 299513 and previous response = -1015907.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:33:33 PM	Set UserAnnotation = CO for compound 1,2-Dichlorobenzene in sample Feb1806.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:33:35 PM	Apply target integration range 5.022-5.124 to qualifier 148.0 for compound 1,2-Dichlorobenzene in sample Feb1806.D, new integration is from x, y = 5.022, 883 to 5.124, 1064 and new response = 387367; previously no peak.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:33:36 PM	Apply target integration range 5.022-5.124 to qualifier 111.0 for compound 1,2-Dichlorobenzene in sample Feb1806.D, new integration is from x, y = 5.022, 0 to 5.124, 698 and new response = 231016; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:33:47 PM	Apply target integration range 5.492-5.604 to qualifier 77.0 for compound Nitrobenzene in sample Feb1806.D, new integration is from x, y = 5.492, 4787 to 5.604, 3446 and new response = 318119; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:33:48 PM	Apply target integration range 5.492-5.604 to qualifier 51.0 for compound Nitrobenzene in sample Feb1806.D, new integration is from x, y = 5.492, 4324 to 5.604, 3498 and new response = 200043; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:33:55 PM	Apply target integration range 6.054-6.157 to qualifier 63.0 for compound bis(-2-Chloroethoxy)Methane in sample Feb1806.D, new integration is from x, y = 6.054, 972 to 6.157, 1996 and new response = 309380; previous integration is from x, y = 5.982, 1018 to 6.033, 1051 and previous response = 23296.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:33:55 PM	Drop baseline for qualifier 63.0 of compound bis(-2-Chloroethoxy)Methane in sample Feb1806.D to y = 972, new integration is from x, y = 6.054, 972 to 6.157, 972 and new response = 312535; previous integration is from x, y = 6.054, 972 to 6.157, 1996 and previous response = 309380.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:34:03 PM	Apply target integration range 6.384-6.465 to qualifier 128.0 for compound 4-Chlorophenol in sample Feb1806.D, new integration is from x, y = 6.384, 5100 to 6.465, 8666 and new response = 348612; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:34:03 PM	Drop baseline for qualifier 128.0 of compound 4-Chlorophenol in sample Feb1806.D to y = 5100, new integration is from x, y = 6.384, 5100 to 6.465, 5100 and new response = 357269; previous integration is from x, y = 6.384, 5100 to 6.465, 8666 and previous response = 348612.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:34:43 PM	Split peak for compound 2-Methylnaphthalene in sample Feb1806.D and keep left peak, new integration is from x, y = 7.052, 763.158923066174 to 7.225, 1045.32911871815 and new response = 694481, previous integration is from x, y = 7.052, 763 to 7.307, 1179 and previous response = 1366454.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:34:44 PM	Split peak for compound 2-Methylnaphthalene in sample Feb1806.D and keep right peak, new integration is from x, y = 7.112, 861.179721571893 to 7.225, 1045.32911871815 and new response = 670695, previous integration is from x, y = 7.052, 763 to 7.225, 1045 and previous response = 694481.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:34:45 PM	Set UserAnnotation = CO for compound 2-Methylnaphthalene in sample Feb1806.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:34:47 PM	Apply target integration range 7.112-7.225 to qualifier 142.0 for compound 2-Methylnaphthalene in sample Feb1806.D, new integration is from x, y = 7.112, 8010 to 7.225, 4166 and new response = 774242; previous integration is from x, y = 7.040, 532 to 7.122, 717 and previous response = 250772.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:34:48 PM	Drop baseline for qualifier 142.0 of compound 2-Methylnaphthalene in sample Feb1806.D to y = 4166, new integration is from x, y = 7.112, 4166 to 7.225, 4166 and new response = 787269; previous integration is from x, y = 7.112, 8010 to 7.225, 4166 and previous response = 774242.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:34:50 PM	Apply target integration range 7.112-7.225 to qualifier 115.0 for compound 2-Methylnaphthalene in sample Feb1806.D, new integration is from x, y = 7.112, 671 to 7.225, 1422 and new response = 284004; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:34:51 PM	Drop baseline for qualifier 115.0 of compound 2-Methylnaphthalene in sample Feb1806.D to y = 671, new integration is from x, y = 7.112, 671 to 7.225, 671 and new response = 286549; previous integration is from x, y = 7.112, 671 to 7.225, 1422 and previous response = 284004.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:34:57 PM	Split peak for compound 1-Methylnaphthalene in sample Feb1806.D and keep right peak, new integration is from x, y = 7.225, 1148.67897900874 to 7.307, 1180.84795391575 and new response = 672135, previous integration is from x, y = 7.053, 1082 to 7.307, 1181 and previous response = 1364174.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:35:01 PM	Split qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1806.D and keep right peak, new integration is from x, y = 7.225, 739.646942764334 to 7.328, 813.820086337136 and new response = 285940, previous integration is from x, y = 7.122, 665 to 7.328, 814 and previous response = 555169.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:35:13 PM	Apply target integration range 7.543-7.646 to qualifier 198.0 for compound 2,4,5-Trichlorophenol in sample Feb1806.D, new integration is from x, y = 7.543, 2851 to 7.646, 2415 and new response = 196233; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:35:14 PM	Drop baseline for qualifier 198.0 of compound 2,4,5-Trichlorophenol in sample Feb1806.D to y = 2415, new integration is from x, y = 7.543, 2415 to 7.646, 2415 and new response = 197577; previous integration is from x, y = 7.543, 2851 to 7.646, 2415 and previous response = 196233.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:35:24 PM	Apply target integration range 8.169-8.272 to qualifier 153.1 for compound Acenaphthylene in sample Feb1806.D, new integration is from x, y = 8.169, 0 to 8.272, 1146 and new response = 170863; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:35:25 PM	Drop baseline for qualifier 153.1 of compound Acenaphthylene in sample Feb1806.D to y = 0, new integration is from x, y = 8.169, 0 to 8.272, 0 and new response = 174380; previous integration is from x, y = 8.169, 0 to 8.272, 1146 and previous response = 170863.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:35:36 PM	Apply target integration range 8.487-8.599 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1806.D, new integration is from x, y = 8.487, 1753 to 8.599, 1084 and new response = 24409; previous integration is from x, y = 8.384, 587 to 8.487, 593 and previous response = 693298.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:35:36 PM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1806.D to y = 1084, new integration is from x, y = 8.487, 1084 to 8.599, 1084 and new response = 26667; previous integration is from x, y = 8.487, 1753 to 8.599, 1084 and previous response = 24409.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:35:40 PM	Split qualifier 139.0 of compound Dibenzofuran in sample Feb1806.D and keep left peak, new integration is from x, y = 8.599, 99.205938159128 to 8.681, 189.24676988196 and new response = 393663, previous integration is from x, y = 8.599, 99 to 8.753, 268 and previous response = 460292.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:35:45 PM	Split qualifier 139.0 of compound 4-Nitrophenol in sample Feb1806.D and keep right peak, new integration is from x, y = 8.681, 189.24676988196 to 8.753, 268.078361958777 and new response = 72202, previous integration is from x, y = 8.599, 99 to 8.753, 268 and previous response = 460292.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:35:51 PM	Split qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1806.D and keep left peak, new integration is from x, y = 8.640, 1283.28809779216 to 8.681, 1249.20730724621 and new response = 59132, previous integration is from x, y = 8.640, 1283 to 8.732, 1207 and previous response = 82680.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:36:40 PM	Split peak for compound Phenol-d5 in sample Feb1806.D and keep left peak, new integration is from x, y = 4.583, 0 to 4.675, 0 and new response = 540696, previous integration is from x, y = 4.583, 0 to 4.736, 0 and previous response = 582542.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:36:41 PM	Set UserAnnotation = CO for compound Phenol-d5 in sample Feb1806.D; previous value =			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 12:36:56 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:37:02 PM	Manually integrate compound N-Nitrosodimethylamine in sample Feb1807.D, from x, y = 2.469, -50 to 2.622, -20, result = 21913; previous integration is from x, y = 2.479, 367 to 2.622, 313 and previous response = 15309.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:37:05 PM	Drop baseline for compound N-Nitrosodimethylamine in sample Feb1807.D to y = -50, new integration is from x, y = 2.469, -50 to 2.622, -50 and new response = 22053; previous integration is from x, y = 2.469, -50 to 2.622, -20 and previous response = 21913.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:37:06 PM	Set UserAnnotation = BA for compound N-Nitrosodimethylamine in sample Feb1807.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:37:15 PM	Manually integrate compound Benzoic Acid in sample Feb1807.D, from x, y = 6.075, 0 to 6.270, 65, result = 18285; previous integration is from x, y = 6.120, 379 to 6.270, 322 and previous response = 14691.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:37:16 PM	Drop baseline for compound Benzoic Acid in sample Feb1807.D to y = 0, new integration is from x, y = 6.075, 0 to 6.270, 0 and new response = 18665; previous integration is from x, y = 6.075, 0 to 6.270, 65 and previous response = 18285.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:37:17 PM	Set UserAnnotation = BA for compound Benzoic Acid in sample Feb1807.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:37:18 PM	Apply target integration range 6.075-6.270 to qualifier 122.0 for compound Benzoic Acid in sample Feb1807.D, new integration is from x, y = 6.075, 1381 to 6.270, 503 and new response = 6096; previous integration is from x, y = 5.982, 0 to 6.054, 0 and previous response = 52824.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:37:19 PM	Drop baseline for qualifier 122.0 of compound Benzoic Acid in sample Feb1807.D to y = 503, new integration is from x, y = 6.075, 503 to 6.270, 503 and new response = 11236; previous integration is from x, y = 6.075, 1381 to 6.270, 503 and previous response = 6096.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:37:20 PM	Manually integrate qualifier 77.0 of compound Benzoic Acid in sample Feb1807.D, from x, y = 5.941, 17198 to 5.941, 17198, result = 13581; previous integration is from x, y = 6.280, 1049 to 6.373, 1033 and previous response = 13581.			✓	
CmdManuallyIntegrateA pplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:37:20 PM	Apply target integration range 6.075-6.270 to qualifier 77.0 for compound Benzoic Acid in sample Feb1807.D, new integration is from x, y = 6.075, 767 to 6.270, 1689 and new response = 12318; previous integration is from x, y = 6.280, 1049 to 6.373, 1033 and previous response = 13581.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/19/2022 12:37:21 PM	Drop baseline for qualifier 77.0 of compound Benzoic Acid in sample Feb1807.D to y = 767, new integration is from x, y = 6.075, 767 to 6.270, 767 and new response = 17715; previous integration is from x, y = 6.075, 767 to 6.270, 1689 and previous response = 12318.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:37:26 PM	Manually integrate qualifier 77.0 of compound Benzoic Acid in sample Feb1807.D, from x, y = 6.116, 1079 to 6.229, 1373, result = 10680; previous integration is from x, y = 6.075, 767 to 6.270, 767 and previous response = 17715.			✓	
CmdManuallyIntegrateA pplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:37:34 PM	Apply target integration range 4.542-4.613 to qualifier 65.0 for compound Aniline in sample Feb1807.D, new integration is from x, y = 4.542, 772 to 4.613, 13160 and new response = 1332; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/19/2022 12:37:35 PM	Drop baseline for qualifier 65.0 of compound Aniline in sample Feb1807.D to y = 772, new integration is from x, y = 4.542, 772 to 4.613, 772 and new response = 27885; previous integration is from x, y = 4.542, 772 to 4.613, 13160 and previous response = 1332.			✓	
CmdManuallyIntegrateS plit	BL2000\sean	2/19/2022 12:37:41 PM	Split qualifier 64.0 of compound bis(-2-Chloroethyl)Ether in sample Feb1807.D and keep right peak, new integration is from x, y = 4.583, 0 to 4.654, 0 and new response = 7321, previous integration is from x, y = 4.542, 0 to 4.654, 0 and previous response = 11135.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:37:49 PM	Manually integrate compound 1,2-Dichlorobenzene in sample Feb1807.D, from x, y = 5.022, 44478 to 5.144, 50372, result = -234187; previous integration is from x, y = 4.879, 0 to 4.981, 0 and previous response = 113963.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 12:37:51 PM	Snap baseline for compound 1,2-Dichlorobenzene in sample Feb1807.D, from x = 5.022 to x = 5.144, new integration is from x, y = 5.022, 556 to 5.144, 976 and new response = 108899; previous integration is from x, y = 5.022, 44478 to 5.144, 50372 and previous response = -234187.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:37:51 PM	Drop baseline for compound 1,2-Dichlorobenzene in sample Feb1807.D to y = 556, new integration is from x, y = 5.022, 556 to 5.144, 556 and new response = 110443; previous integration is from x, y = 5.022, 556 to 5.144, 976 and previous response = 108899.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:37:52 PM	Apply target integration range 5.022-5.144 to qualifier 148.0 for compound 1,2-Dichlorobenzene in sample Feb1807.D, new integration is from x, y = 5.022, 1048 to 5.144, 600 and new response = 66829; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:37:54 PM	Apply target integration range 5.022-5.144 to qualifier 111.0 for compound 1,2-Dichlorobenzene in sample Feb1807.D, new integration is from x, y = 5.022, 0 to 5.144, 462 and new response = 41554; previously no peak.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:38:00 PM	Manually integrate compound Benzyl Alcohol in sample Feb1807.D, from x, y = 5.032, 53236 to 5.196, 71009, result = -578425; previous integration is from x, y = 5.216, 0 to 5.349, 0 and previous response = 88224.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 12:38:01 PM	Snap baseline for compound Benzyl Alcohol in sample Feb1807.D, from x = 5.032 to x = 5.196, new integration is from x, y = 5.032, 315 to 5.196, 987 and new response = 24301; previous integration is from x, y = 5.032, 53236 to 5.196, 71009 and previous response = -578425.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:38:01 PM	Drop baseline for compound Benzyl Alcohol in sample Feb1807.D to y = 315, new integration is from x, y = 5.032, 315 to 5.196, 315 and new response = 27595; previous integration is from x, y = 5.032, 315 to 5.196, 987 and previous response = 24301.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:38:05 PM	Set UserAnnotation = CO for compound Benzyl Alcohol in sample Feb1807.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:38:11 PM	Manually integrate compound Benzyl Alcohol in sample Feb1807.D, from x, y = 4.991, 0 to 5.196, 129, result = 30362; previous integration is from x, y = 5.032, 315 to 5.196, 315 and previous response = 27595.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:38:13 PM	Drop baseline for compound Benzyl Alcohol in sample Feb1807.D to y = 0, new integration is from x, y = 4.991, 0 to 5.196, 0 and new response = 31154; previous integration is from x, y = 4.991, 0 to 5.196, 129 and previous response = 30362.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:38:14 PM	Set UserAnnotation = CO for compound Benzyl Alcohol in sample Feb1807.D; previous value = CO			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:38:16 PM	Drop baseline for qualifier 79.0 of compound Benzyl Alcohol in sample Feb1807.D to y = 1007, new integration is from x, y = 5.064, 1007 to 5.185, 1007 and new response = 28788; previous integration is from x, y = 5.064, 1007 to 5.185, 1281 and previous response = 27043.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:38:33 PM	Manually integrate qualifier 109.0 of compound 2-Nitrophenol in sample Feb1807.D, from x, y = 5.859, 149 to 5.910, 149, result = 6954; previous integration is from x, y = 5.839, 0 to 5.951, 0 and previous response = 8891.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:38:42 PM	Apply target integration range 6.393-6.547 to qualifier 128.0 for compound 4-Chlorophenol in sample Feb1807.D, new integration is from x, y = 6.393, 1902 to 6.547, 826 and new response = 63062; previously no peak.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:38:43 PM	Drop baseline for qualifier 128.0 of compound 4-Chlorophenol in sample Feb1807.D to y = 826, new integration is from x, y = 6.393, 826 to 6.547, 826 and new response = 68034; previous integration is from x, y = 6.393, 1902 to 6.547, 826 and previous response = 63062.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:38:44 PM	Manually integrate compound 4-Chlorophenol in sample Feb1807.D, from x, y = 6.629, 13623 to 6.722, 13550, result = -74221; previous integration is from x, y = 6.393, 0 to 6.547, 0 and previous response = 23297.			✓	
CmdClearManualIntegration	BL2000\sean	2/19/2022 12:38:47 PM	Clear manual integration of target signal for compound 4-Chlorophenol in sample Feb1807.D			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:38:52 PM	Apply target integration range 6.414-6.496 to qualifier 129.0 for compound p-Chloroaniline in sample Feb1807.D, new integration is from x, y = 6.414, 3218 to 6.496, 1214 and new response = 16903; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:38:53 PM	Drop baseline for qualifier 129.0 of compound p-Chloroaniline in sample Feb1807.D to y = 1214, new integration is from x, y = 6.414, 1214 to 6.496, 1214 and new response = 21842; previous integration is from x, y = 6.414, 3218 to 6.496, 1214 and previous response = 16903.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:39:04 PM	Manually integrate qualifier 129.0 of compound p-Chloroaniline in sample Feb1807.D, from x, y = 6.393, 135 to 6.527, 96, result = 29752; previous integration is from x, y = 6.414, 1214 to 6.496, 1214 and previous response = 21842.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:39:20 PM	Split peak for compound 4-Chloro-3-Methylphenol in sample Feb1807.D and keep right peak, new integration is from x, y = 7.030, 240.551420300009 to 7.143, 304.641092938784 and new response = 51113, previous integration is from x, y = 6.903, 169 to 7.143, 305 and previous response = 103721.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:39:24 PM	Split peak for compound 2-Methylnaphthalene in sample Feb1807.D and keep left peak, new integration is from x, y = 7.120, 659.364195008434 to 7.225, 706.959429757238 and new response = 129837, previous integration is from x, y = 7.120, 659 to 7.297, 740 and previous response = 255737.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:39:26 PM	Set UserAnnotation = CO for compound 2-Methylnaphthalene in sample Feb1807.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:39:29 PM	Split qualifier 142.0 of compound 2-Methylnaphthalene in sample Feb1807.D and keep right peak, new integration is from x, y = 7.122, 456.400349377071 to 7.204, 543.011240470171 and new response = 150089, previous integration is from x, y = 7.040, 370 to 7.204, 543 and previous response = 187698.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:39:30 PM	Apply target integration range 7.120-7.225 to qualifier 115.0 for compound 2-Methylnaphthalene in sample Feb1807.D, new integration is from x, y = 7.120, 577 to 7.225, 802 and new response = 51321; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:39:31 PM	Drop baseline for qualifier 115.0 of compound 2-Methylnaphthalene in sample Feb1807.D to y = 577, new integration is from x, y = 7.120, 577 to 7.225, 577 and new response = 52027; previous integration is from x, y = 7.120, 577 to 7.225, 802 and previous response = 51321.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:39:35 PM	Split peak for compound 1-Methylnaphthalene in sample Feb1807.D and keep right peak, new integration is from x, y = 7.225, 531.581340710045 to 7.297, 548.37216164789 and new response = 126738, previous integration is from x, y = 7.114, 506 to 7.297, 548 and previous response = 257587.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:39:37 PM	Split qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1807.D and keep right peak, new integration is from x, y = 7.215, 405.26930951501 to 7.307, 416.137621017525 and new response = 54691, previous integration is from x, y = 7.111, 393 to 7.307, 416 and previous response = 107597.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:39:42 PM	Split peak for compound 4-Chloro-2-Methylphenol in sample Feb1807.D and keep left peak, new integration is from x, y = 6.917, 225.779777609558 to 7.030, 371.669477477859 and new response = 51949, previous integration is from x, y = 6.917, 226 to 7.143, 518 and previous response = 101897.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 12:39:45 PM	Snap baseline for compound 4-Chloro-2-Methylphenol in sample Feb1807.D, from x = 6.917 to x = 7.030, new integration is from x, y = 6.917, 322 to 7.030, 784 and new response = 50226; previous integration is from x, y = 6.917, 226 to 7.030, 372 and previous response = 51949.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:39:46 PM	Drop baseline for compound 4-Chloro-2-Methylphenol in sample Feb1807.D to y = 322, new integration is from x, y = 6.917, 322 to 7.030, 322 and new response = 51791; previous integration is from x, y = 6.917, 322 to 7.030, 784 and previous response = 50226.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:39:57 PM	Split qualifier 77.0 of compound Dimethyl Phthalate in sample Feb1807.D and keep left peak, new integration is from x, y = 8.108, 1044.07808654677 to 8.190, 1034.76630980899 and new response = 26706, previous integration is from x, y = 8.108, 1044 to 8.190, 1035 and previous response = 26706.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:40:02 PM	Split qualifier 77.0 of compound Dimethyl Phthalate in sample Feb1807.D and keep left peak, new integration is from x, y = 8.108, 1044.07808654677 to 8.190, 1034.76630980899 and new response = 26706, previous integration is from x, y = 8.108, 1044 to 8.190, 1035 and previous response = 26706.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:40:05 PM	Apply target integration range 8.098-8.190 to qualifier 77.0 for compound Dimethyl Phthalate in sample Feb1807.D, new integration is from x, y = 8.098, 822 to 8.190, 3233 and new response = 22878; previous integration is from x, y = 8.108, 1044 to 8.190, 1035 and previous response = 26706.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:40:07 PM	Drop baseline for qualifier 77.0 of compound Dimethyl Phthalate in sample Feb1807.D to y = 822, new integration is from x, y = 8.098, 822 to 8.190, 822 and new response = 29541; previous integration is from x, y = 8.098, 822 to 8.190, 3233 and previous response = 22878.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:40:09 PM	Split qualifier 77.0 of compound Dimethyl Phthalate in sample Feb1807.D and keep left peak, new integration is from x, y = 8.098, 822 to 8.190, 822 and new response = 29541, previous integration is from x, y = 8.098, 822 to 8.190, 822 and previous response = 29541.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:40:11 PM	Manually integrate qualifier 77.0 of compound Dimethyl Phthalate in sample Feb1807.D, from x, y = 8.098, 822 to 8.149, 988, result = 22254; previous integration is from x, y = 8.098, 822 to 8.190, 822 and previous response = 29541.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:40:13 PM	Drop baseline for qualifier 77.0 of compound Dimethyl Phthalate in sample Feb1807.D to y = 822, new integration is from x, y = 8.098, 822 to 8.149, 822 and new response = 22509; previous integration is from x, y = 8.098, 822 to 8.149, 988 and previous response = 22254.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:40:23 PM	Manually integrate qualifier 77.0 of compound Dimethyl Phthalate in sample Feb1807.D, from x, y = 8.108, 1293 to 8.149, 1517, result = 21013; previous integration is from x, y = 8.098, 822 to 8.149, 822 and previous response = 22509.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:40:29 PM	Apply target integration range 8.164-8.272 to qualifier 153.1 for compound Acenaphthylene in sample Feb1807.D, new integration is from x, y = 8.164, 0 to 8.272, 542 and new response = 30721; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:40:30 PM	Drop baseline for qualifier 153.1 of compound Acenaphthylene in sample Feb1807.D to y = 0, new integration is from x, y = 8.164, 0 to 8.272, 0 and new response = 32472; previous integration is from x, y = 8.164, 0 to 8.272, 542 and previous response = 30721.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:40:41 PM	Manually integrate qualifier 89.0 of compound 2,6-Dinitrotoluene in sample Feb1807.D, from x, y = 8.159, 208 to 8.200, 208, result = 9710; previous integration is from x, y = 8.159, 0 to 8.231, 0 and previous response = 10773.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:40:55 PM	Manually integrate qualifier 65.0 of compound 3-Nitroaniline in sample Feb1807.D, from x, y = 8.364, 835 to 8.405, 1166, result = 19626; previous integration is from x, y = 8.348, 755 to 8.435, 768 and previous response = 21791.			✓	
CmdManuallyIntegrateA pplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:41:00 PM	Apply target integration range 8.497-8.589 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1807.D, new integration is from x, y = 8.497, 918 to 8.589, 646 and new response = -9; previous integration is from x, y = 8.384, 0 to 8.466, 0 and previous response = 125792.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/19/2022 12:41:01 PM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1807.D to y = 646, new integration is from x, y = 8.497, 646 to 8.589, 646 and new response = 742; previous integration is from x, y = 8.497, 918 to 8.589, 646 and previous response = -9.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:41:07 PM	Manually integrate qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1807.D, from x, y = 8.487, 381 to 8.558, 348, result = 2420; previous integration is from x, y = 8.497, 646 to 8.589, 646 and previous response = 742.			✓	
CmdManuallyIntegrateA pplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:41:15 PM	Apply target integration range 8.671-8.896 to qualifier 139.0 for compound 4-Nitrophenol in sample Feb1807.D, new integration is from x, y = 8.671, 905 to 8.896, 356 and new response = 4399; previous integration is from x, y = 8.599, 0 to 8.671, 0 and previous response = 74327.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/19/2022 12:41:16 PM	Drop baseline for qualifier 139.0 of compound 4-Nitrophenol in sample Feb1807.D to y = 356, new integration is from x, y = 8.671, 356 to 8.896, 356 and new response = 8106; previous integration is from x, y = 8.671, 905 to 8.896, 356 and previous response = 4399.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:41:22 PM	Split qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1807.D and keep right peak, new integration is from x, y = 8.640, 660.423055530988 to 8.680, 654.270978805062 and new response = 7723, previous integration is from x, y = 8.602, 666 to 8.680, 654 and previous response = 18767.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:41:25 PM	Split qualifier 89.0 of compound 2,4-Dinitrotoluene in sample Feb1807.D and keep right peak, new integration is from x, y = 8.681, 0 to 8.742, 0 and new response = 1212, previous integration is from x, y = 8.579, 0 to 8.742, 0 and previous response = 20685.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:41:31 PM	Manually integrate qualifier 89.0 of compound 2,4-Dinitrotoluene in sample Feb1807.D, from x, y = 8.640, 300 to 8.681, 206, result = 11953; previous integration is from x, y = 8.681, 0 to 8.742, 0 and previous response = 1212.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:41:47 PM	Manually integrate qualifier 142.0 of compound Hexachlorobenzene in sample Feb1807.D, from x, y = 9.663, 672 to 9.755, 0, result = 18886; previous integration is from x, y = 9.632, 0 to 9.755, 0 and previous response = 27831.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:41:48 PM	Drop baseline for qualifier 142.0 of compound Hexachlorobenzene in sample Feb1807.D to y = 0, new integration is from x, y = 9.663, 0 to 9.755, 0 and new response = 20742; previous integration is from x, y = 9.663, 672 to 9.755, 0 and previous response = 18886.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:42:00 PM	Manually integrate qualifier 104.0 of compound Di-n-Butylphthalate in sample Feb1807.D, from x, y = 11.052, 56 to 11.093, -56, result = 7969; previous integration is from x, y = 11.032, 0 to 11.143, 0 and previous response = 9665.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:42:08 PM	Manually integrate compound Benzidine in sample Feb1807.D, from x, y = 12.227, 9583 to 12.592, 8209, result = -129564; previous integration is from x, y = 12.298, 0 to 12.399, 0 and previous response = 55853.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 12:42:09 PM	Snap baseline for compound Benzidine in sample Feb1807.D, from x = 12.227 to x = 12.592, new integration is from x, y = 12.227, 0 to 12.592, 329 and new response = 61446; previous integration is from x, y = 12.227, 9583 to 12.592, 8209 and previous response = -129564.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:42:10 PM	Drop baseline for compound Benzidine in sample Feb1807.D to y = 0, new integration is from x, y = 12.227, 0 to 12.592, 0 and new response = 65045; previous integration is from x, y = 12.227, 0 to 12.592, 329 and previous response = 61446.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:42:34 PM	Split peak for compound Indeno(1,2,3-c,d)pyrene in sample Feb1807.D and keep left peak, new integration is from x, y = 20.687, 114.976309598369 to 20.765, 183.929041879002 and new response = 105841, previous integration is from x, y = 20.687, 115 to 20.847, 256 and previous response = 139461.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:42:44 PM	Split peak for compound Phenol-d5 in sample Feb1807.D and keep left peak, new integration is from x, y = 4.583, 113.722549140515 to 4.664, 176.671025680574 and new response = 82773, previous integration is from x, y = 4.583, 114 to 4.726, 224 and previous response = 93779.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:42:45 PM	Set UserAnnotation = CO for compound Phenol-d5 in sample Feb1807.D; previous value =			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 12:43:17 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:43:28 PM	Manually integrate compound Benzoic Acid in sample Feb1808.D, from x, y = 6.085, 0 to 6.280, 332, result = 7162; previous integration is from x, y = 6.085, 0 to 6.444, 0 and previous response = 14190.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:43:29 PM	Drop baseline for compound Benzoic Acid in sample Feb1808.D to y = 0, new integration is from x, y = 6.085, 0 to 6.280, 0 and new response = 9103; previous integration is from x, y = 6.085, 0 to 6.280, 332 and previous response = 7162.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:43:34 PM	Apply target integration range 6.085-6.280 to qualifier 122.0 for compound Benzoic Acid in sample Feb1808.D, new integration is from x, y = 6.085, 799 to 6.280, 295 and new response = 2471; previous integration is from x, y = 5.982, 0 to 6.126, 0 and previous response = 23276.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:43:35 PM	Drop baseline for qualifier 122.0 of compound Benzoic Acid in sample Feb1808.D to y = 295, new integration is from x, y = 6.085, 295 to 6.280, 295 and new response = 5421; previous integration is from x, y = 6.085, 799 to 6.280, 295 and previous response = 2471.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:43:41 PM	Manually integrate qualifier 122.0 of compound Benzoic Acid in sample Feb1808.D, from x, y = 6.085, 79 to 6.290, -22, result = 8729; previous integration is from x, y = 6.085, 295 to 6.280, 295 and previous response = 5421.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:43:45 PM	Manually integrate qualifier 122.0 of compound Benzoic Acid in sample Feb1808.D, from x, y = 6.085, 79 to 6.290, 97, result = 7990; previous integration is from x, y = 6.085, 79 to 6.290, -22 and previous response = 8729.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:43:48 PM	Manually integrate qualifier 77.0 of compound Benzoic Acid in sample Feb1808.D, from x, y = 6.116, 716 to 6.270, 687, result = 7794; previous integration is from x, y = 5.988, 964 to 6.071, 953 and previous response = 6766.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:43:51 PM	Manually integrate qualifier 77.0 of compound Benzoic Acid in sample Feb1808.D, from x, y = 6.116, 716 to 6.239, 831, result = 5360; previous integration is from x, y = 6.116, 716 to 6.270, 687 and previous response = 7794.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:44:05 PM	Manually integrate compound Pyridine in sample Feb1808.D, from x, y = 2.520, 461 to 2.765, 516, result = 22103; previous integration is from x, y = 2.522, 687 to 2.744, 701 and previous response = 18297.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/19/2022 12:44:06 PM	Drop baseline for compound Pyridine in sample Feb1808.D to y = 461, new integration is from x, y = 2.520, 461 to 2.765, 461 and new response = 22506; previous integration is from x, y = 2.520, 461 to 2.765, 516 and previous response = 22103.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:44:09 PM	Manually integrate qualifier52.0 of compound Pyridine in sample Feb1808.D from x, y = 2.499, 452 to 2.734, 462; result = 16513			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:44:15 PM	Split peak for compound Phenol in sample Feb1808.D and keep left peak, new integration is from x, y = 4.583, 1373.46975544814 to 4.664, 1402.11510453535 and new response = 31700, previous integration is from x, y = 4.583, 1373 to 4.756, 1434 and previous response = 45014.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:44:18 PM	Split qualifier 66.0 of compound Phenol in sample Feb1808.D and keep left peak, new integration is from x, y = 4.593, 822.247686567304 to 4.664, 865.244660474035 and new response = 17415, previous integration is from x, y = 4.593, 822 to 4.726, 902 and previous response = 23254.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:44:30 PM	Manually integrate qualifier64.0 of compound bis(-2-Chloroethyl)Ether in sample Feb1808.D from x, y = 4.613, 380 to 4.654, 664; result = 1146			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:44:35 PM	Manually integrate qualifier 64.0 of compound bis(-2-Chloroethyl)Ether in sample Feb1808.D, from x, y = 4.603, -33 to 4.664, -125, result = 3556; previous integration is from x, y = 4.613, 380 to 4.654, 664 and previous response = 1146.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:44:43 PM	Manually integrate qualifier 64.0 of compound bis(-2-Chloroethyl)Ether in sample Feb1808.D, from x, y = 4.613, 197 to 4.664, 167, result = 2230; previous integration is from x, y = 4.603, -33 to 4.664, -125 and previous response = 3556.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:44:51 PM	Manually integrate compound 1,2-Dichlorobenzene in sample Feb1808.D, from x, y = 5.032, 12090 to 5.134, 16358, result = -41127; previous integration is from x, y = 4.879, 0 to 4.971, 0 and previous response = 50173.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 12:44:52 PM	Snap baseline for compound 1,2-Dichlorobenzene in sample Feb1808.D, from x = 5.032 to x = 5.134, new integration is from x, y = 5.032, 465 to 5.134, 643 and new response = 42629; previous integration is from x, y = 5.032, 12090 to 5.134, 16358 and previous response = -41127.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:44:53 PM	Drop baseline for compound 1,2-Dichlorobenzene in sample Feb1808.D to y = 465, new integration is from x, y = 5.032, 465 to 5.134, 465 and new response = 43175; previous integration is from x, y = 5.032, 465 to 5.134, 643 and previous response = 42629.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:44:53 PM	Set UserAnnotation = CO for compound 1,2-Dichlorobenzene in sample Feb1808.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:44:55 PM	Apply target integration range 5.032-5.134 to qualifier 148.0 for compound 1,2-Dichlorobenzene in sample Feb1808.D, new integration is from x, y = 5.032, 201 to 5.134, 533 and new response = 28268; previously no peak.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:45:02 PM	Manually integrate compound Benzyl Alcohol in sample Feb1808.D, from x, y = 5.012, 0 to 5.216, 69, result = 12101; previous integration is from x, y = 5.216, 0 to 5.318, 0 and previous response = 32730.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:45:03 PM	Drop baseline for compound Benzyl Alcohol in sample Feb1808.D to y = 0, new integration is from x, y = 5.012, 0 to 5.216, 0 and new response = 12526; previous integration is from x, y = 5.012, 0 to 5.216, 69 and previous response = 12101.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:45:05 PM	Set UserAnnotation = CO for compound Benzyl Alcohol in sample Feb1808.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:45:06 PM	Apply target integration range 5.012-5.216 to qualifier 79.0 for compound Benzyl Alcohol in sample Feb1808.D, new integration is from x, y = 5.012, 365 to 5.216, 3543 and new response = -2922; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:45:07 PM	Drop baseline for qualifier 79.0 of compound Benzyl Alcohol in sample Feb1808.D to y = 365, new integration is from x, y = 5.012, 365 to 5.216, 365 and new response = 16553; previous integration is from x, y = 5.012, 365 to 5.216, 3543 and previous response = -2922.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:45:11 PM	Split qualifier 79.0 of compound Benzyl Alcohol in sample Feb1808.D and keep left peak, new integration is from x, y = 5.012, 365 to 5.134, 365 and new response = 10027, previous integration is from x, y = 5.012, 365 to 5.216, 365 and previous response = 16553.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:45:16 PM	Manually integrate qualifier 79.0 of compound Benzyl Alcohol in sample Feb1808.D, from x, y = 5.012, 365 to 5.185, 580, result = 12396; previous integration is from x, y = 5.012, 365 to 5.134, 365 and previous response = 10027.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:45:17 PM	Drop baseline for qualifier 79.0 of compound Benzyl Alcohol in sample Feb1808.D to y = 365, new integration is from x, y = 5.012, 365 to 5.185, 365 and new response = 13517; previous integration is from x, y = 5.012, 365 to 5.185, 580 and previous response = 12396.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:45:19 PM	Apply target integration range 5.012-5.216 to qualifier 107.0 for compound Benzyl Alcohol in sample Feb1808.D, new integration is from x, y = 5.012, 0 to 5.216, 575 and new response = 6334; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:45:20 PM	Drop baseline for qualifier 107.0 of compound Benzyl Alcohol in sample Feb1808.D to y = 0, new integration is from x, y = 5.012, 0 to 5.216, 0 and new response = 9858; previous integration is from x, y = 5.012, 0 to 5.216, 575 and previous response = 6334.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:45:40 PM	Manually integrate qualifier 109.0 of compound 2-Nitrophenol in sample Feb1808.D, from x, y = 5.849, 38 to 5.910, 0, result = 3444; previous integration is from x, y = 5.798, 0 to 5.910, 0 and previous response = 4824.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:45:41 PM	Drop baseline for qualifier 109.0 of compound 2-Nitrophenol in sample Feb1808.D to y = 0, new integration is from x, y = 5.849, 0 to 5.910, 0 and new response = 3515; previous integration is from x, y = 5.849, 38 to 5.910, 0 and previous response = 3444.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:45:49 PM	Manually integrate qualifier 77.0 of compound 2,4-Dimethylphenol in sample Feb1808.D, from x, y = 5.982, 627 to 6.075, 683, result = 8476; previous integration is from x, y = 6.270, 1010 to 6.342, 951 and previous response = 6463.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:45:50 PM	Drop baseline for qualifier 77.0 of compound 2,4-Dimethylphenol in sample Feb1808.D to y = 627, new integration is from x, y = 5.982, 627 to 6.075, 627 and new response = 8631; previous integration is from x, y = 5.982, 627 to 6.075, 683 and previous response = 8476.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:46:07 PM	Manually integrate compound 4-Chlorophenol in sample Feb1808.D, from x, y = 6.393, 0 to 6.516, 0, result = 9877; previous integration is from x, y = 6.393, 0 to 6.475, 0 and previous response = 8291.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:46:09 PM	Apply target integration range 6.393-6.516 to qualifier 128.0 for compound 4-Chlorophenol in sample Feb1808.D, new integration is from x, y = 6.393, 1338 to 6.516, 765 and new response = 23060; previous integration is from x, y = 6.301, 361 to 6.393, 383 and previous response = 93621.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:46:09 PM	Drop baseline for qualifier 128.0 of compound 4-Chlorophenol in sample Feb1808.D to y = 765, new integration is from x, y = 6.393, 765 to 6.516, 765 and new response = 25179; previous integration is from x, y = 6.393, 1338 to 6.516, 765 and previous response = 23060.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:46:20 PM	Manually integrate compound 1-Methylnaphthalene in sample Feb1808.D, from x, y = 7.235, 13105 to 7.266, 16288, result = 23220; previous integration is from x, y = 7.122, 499 to 7.194, 488 and previous response = 55956.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:46:21 PM	Manually integrate compound 1-Methylnaphthalene in sample Feb1808.D, from x, y = 7.225, 8033 to 7.389, 17559, result = -61491; previous integration is from x, y = 7.235, 13105 to 7.266, 16288 and previous response = 23220.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 12:46:23 PM	Snap baseline for compound 1-Methylnaphthalene in sample Feb1808.D, from x = 7.225 to x = 7.389, new integration is from x, y = 7.225, 924 to 7.389, 858 and new response = 55880; previous integration is from x, y = 7.225, 8033 to 7.389, 17559 and previous response = -61491.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:46:23 PM	Drop baseline for compound 1-Methylnaphthalene in sample Feb1808.D to y = 858, new integration is from x, y = 7.225, 858 to 7.389, 858 and new response = 56205; previous integration is from x, y = 7.225, 924 to 7.389, 858 and previous response = 55880.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:46:25 PM	Set UserAnnotation = CO for compound 1-Methylnaphthalene in sample Feb1808.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:46:26 PM	Apply target integration range 7.225-7.389 to qualifier 142.0 for compound 1-Methylnaphthalene in sample Feb1808.D, new integration is from x, y = 7.225, 1176 to 7.389, 989 and new response = 60201; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:46:27 PM	Drop baseline for qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb1808.D to y = 989, new integration is from x, y = 7.225, 989 to 7.389, 989 and new response = 61122; previous integration is from x, y = 7.225, 1176 to 7.389, 989 and previous response = 60201.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:46:29 PM	Apply target integration range 7.225-7.389 to qualifier 115.0 for compound 1-Methylnaphthalene in sample Feb1808.D, new integration is from x, y = 7.225, 659 to 7.389, 814 and new response = 19885; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:46:30 PM	Drop baseline for qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1808.D to y = 659, new integration is from x, y = 7.225, 659 to 7.389, 659 and new response = 20649; previous integration is from x, y = 7.225, 659 to 7.389, 814 and previous response = 19885.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:46:31 PM	Drop baseline for qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1808.D to y = 659, new integration is from x, y = 7.225, 659 to 7.389, 659 and new response = 20649; previous integration is from x, y = 7.225, 659 to 7.389, 659 and previous response = 20649.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:46:45 PM	Manually integrate compound 2,4,6-Trichlorophenol in sample Feb1808.D, from x, y = 7.482, 1901 to 7.759, 1805, result = -7706; previous integration is from x, y = 7.554, 0 to 7.718, 0 and previous response = 13593.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 12:46:46 PM	Snap baseline for compound 2,4,6-Trichlorophenol in sample Feb1808.D, from x = 7.482 to x = 7.759, new integration is from x, y = 7.482, 0 to 7.759, 0 and new response = 23115; previous integration is from x, y = 7.482, 1901 to 7.759, 1805 and previous response = -7706.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:46:47 PM	Drop baseline for compound 2,4,6-Trichlorophenol in sample Feb1808.D to y = 0, new integration is from x, y = 7.482, 0 to 7.759, 0 and new response = 23115; previous integration is from x, y = 7.482, 0 to 7.759, 0 and previous response = 23115.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:46:48 PM	Split peak for compound 2,4,6-Trichlorophenol in sample Feb1808.D and keep left peak, new integration is from x, y = 7.482, 0 to 7.554, 0 and new response = 9233, previous integration is from x, y = 7.482, 0 to 7.759, 0 and previous response = 23115.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:46:50 PM	Set UserAnnotation = CO for compound 2,4,6-Trichlorophenol in sample Feb1808.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:46:51 PM	Apply target integration range 7.482-7.554 to qualifier 198.0 for compound 2,4,6-Trichlorophenol in sample Feb1808.D, new integration is from x, y = 7.482, 0 to 7.554, 579 and new response = 8105; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:46:52 PM	Drop baseline for qualifier 198.0 of compound 2,4,6-Trichlorophenol in sample Feb1808.D to y = 0, new integration is from x, y = 7.482, 0 to 7.554, 0 and new response = 9354; previous integration is from x, y = 7.482, 0 to 7.554, 579 and previous response = 8105.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:47:01 PM	Split qualifier 77.0 of compound Dimethyl Phthalate in sample Feb1808.D and keep left peak, new integration is from x, y = 8.108, 779.877526682585 to 8.190, 770.77923020108 and new response = 11428, previous integration is from x, y = 8.108, 780 to 8.190, 771 and previous response = 11428.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:47:05 PM	Manually integrate qualifier 77.0 of compound Dimethyl Phthalate in sample Feb1808.D, from x, y = 8.108, 780 to 8.159, 1100, result = 8687; previous integration is from x, y = 8.108, 780 to 8.190, 771 and previous response = 11428.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:47:06 PM	Drop baseline for qualifier 77.0 of compound Dimethyl Phthalate in sample Feb1808.D to y = 780, new integration is from x, y = 8.108, 780 to 8.159, 780 and new response = 9178; previous integration is from x, y = 8.108, 780 to 8.159, 1100 and previous response = 8687.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:47:18 PM	Manually integrate compound 2,4-Dinitrophenol in sample Feb1808.D, from x, y = 8.507, 0 to 8.568, 0, result = 616; previous integration is from x, y = 8.630, 0 to 8.661, 0 and previous response = 370.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:47:21 PM	Apply target integration range 8.507-8.568 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1808.D, new integration is from x, y = 8.507, 707 to 8.568, 512 and new response = -485; previous integration is from x, y = 8.384, 0 to 8.517, 0 and previous response = 55213.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:47:21 PM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1808.D to y = 512, new integration is from x, y = 8.507, 512 to 8.568, 512 and new response = -125; previous integration is from x, y = 8.507, 707 to 8.568, 512 and previous response = -485.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:47:26 PM	Manually integrate qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1808.D, from x, y = 8.497, 226 to 8.579, 242, result = 1169; previous integration is from x, y = 8.507, 512 to 8.568, 512 and previous response = -125.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:47:32 PM	Split qualifier 139.0 of compound 4-Nitrophenol in sample Feb1808.D and keep right peak, new integration is from x, y = 8.691, 0 to 8.753, 0 and new response = 3060, previous integration is from x, y = 8.599, 0 to 8.753, 0 and previous response = 37216.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:47:34 PM	Manually integrate qualifier 65.0 of compound 4-Nitrophenol in sample Feb1808.D, from x, y = 8.691, 334 to 8.763, 439, result = 3968; previous integration is from x, y = 9.011, 517 to 9.089, 522 and previous response = 4292.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 12:47:38 PM	Manually integrate compound 4-Nitrophenol in sample Feb1808.D, from x, y = 8.681, 0 to 8.783, 43, result = 3794; previous integration is from x, y = 8.681, 0 to 8.855, 0 and previous response = 5273.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 12:47:39 PM	Drop baseline for compound 4-Nitrophenol in sample Feb1808.D to y = 0, new integration is from x, y = 8.681, 0 to 8.783, 0 and new response = 3924; previous integration is from x, y = 8.681, 0 to 8.783, 43 and previous response = 3794.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:47:44 PM	Split qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1808.D and keep right peak, new integration is from x, y = 8.600, 533.195714178798 to 8.682, 521.125139161125 and new response = 6502, previous integration is from x, y = 8.600, 533 to 8.682, 521 and previous response = 6502.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/19/2022 12:47:45 PM	Manually integrate qualifier 89.0 of compound 2,4-Dinitrotoluene in sample Feb1808.D, from x, y = 8.384, 4113 to 8.405, 4082, result = 8357; previous integration is from x, y = 8.609, 0 to 8.701, 0 and previous response = 8357.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 12:47:46 PM	Split qualifier 89.0 of compound 2,4-Dinitrotoluene in sample Feb1808.D and keep right peak, new integration is from x, y = 8.640, 0 to 8.701, 0 and new response = 5529, previous integration is from x, y = 8.609, 0 to 8.701, 0 and previous response = 8357.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:47:48 PM	Manually integrate qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1808.D, from x, y = 8.640, 648 to 8.682, 521, result = 2595; previous integration is from x, y = 8.600, 533 to 8.682, 521 and previous response = 6502.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/19/2022 12:47:49 PM	Drop baseline for qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1808.D to y = 521, new integration is from x, y = 8.640, 521 to 8.682, 521 and new response = 2756; previous integration is from x, y = 8.640, 648 to 8.682, 521 and previous response = 2595.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:48:00 PM	Manually integrate qualifier 65.0 of compound 4-Nitroaniline in sample Feb1808.D, from x, y = 9.090, 364 to 9.162, 362, result = 6042; previous integration is from x, y = 9.100, 663 to 9.191, 663 and previous response = 5417.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:48:06 PM	Manually integrate qualifier 121.0 of compound 4,6-Dinitro-2-methylphenol in sample Feb1808.D, from x, y = 9.121, 0 to 9.182, 0, result = 1205; previous integration is from x, y = 8.967, 0 to 8.998, 0 and previous response = 1868.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/19/2022 12:48:24 PM	Manually integrate qualifier 92.0 of compound Benzidine in sample Feb1808.D, from x, y = 12.268, 0 to 12.399, 12, result = 3622; previous integration is from x, y = 12.834, 244 to 12.886, 244 and previous response = 1694.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/19/2022 12:48:25 PM	Drop baseline for qualifier 92.0 of compound Benzidine in sample Feb1808.D to y = 0, new integration is from x, y = 12.268, 0 to 12.399, 0 and new response = 3668; previous integration is from x, y = 12.268, 0 to 12.399, 12 and previous response = 3622.			✓	
CmdManuallyIntegrateA pplyTargetRtToQualifier	BL2000\sean	2/19/2022 12:48:35 PM	Apply target integration range 16.309-16.411 to qualifier 279.0 for compound bis(2-ethylhexyl)Phthalate in sample Feb1808.D, new integration is from x, y = 16.309, 0 to 16.411, 0 and new response = 750; previously no peak.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/19/2022 12:48:36 PM	Drop baseline for qualifier 279.0 of compound bis(2-ethylhexyl)Phthalate in sample Feb1808.D to y = 0, new integration is from x, y = 16.309, 0 to 16.411, 0 and new response = 750; previous integration is from x, y = 16.309, 0 to 16.411, 0 and previous response = 750.			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 12:48:53 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\sean	2/19/2022 12:49:15 PM	Replace level 1 with Calibration sample Feb1808.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 2 with Calibration sample Feb1807.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 3 with Calibration sample Feb1806.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 4 with Calibration sample Feb1805.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 5 with Calibration sample Feb1804.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 6 with Calibration sample Feb1803.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol,				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 7 with Calibration sample Feb1802.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine};				
CmdQuantitate	BL2000\sean	2/19/2022 12:49:31 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 12:49:37 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:50:32 PM	Set CurveFit = fitQuadratic for compound N-Nitrosodimethylamine in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:50:34 PM	Set CurveFitOrigin = originInclude for compound N-Nitrosodimethylamine in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:50:36 PM	Set CurveFitWeight = weightOneOverX for compound N-Nitrosodimethylamine in all samples; previous value = weightEqual			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:50:43 PM	Set CurveFit = fitQuadratic for compound Pyridine in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:50:44 PM	Set CurveFitOrigin = originInclude for compound Pyridine in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:50:47 PM	Set CurveFitWeight = weightOneOverX for compound Pyridine in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\sean	2/19/2022 12:51:06 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:53:05 PM	Set CurveFit = fitQuadratic for compound Aniline in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:53:07 PM	Set CurveFitOrigin = originInclude for compound Aniline in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:53:11 PM	Set CurveFitWeight = weightOneOverX for compound Aniline in all samples; previous value = weightEqual			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:53:27 PM	Set CurveFitWeight = weightOneOverX for compound Phenol-d5 in all samples; previous value = weightEqual			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:53:37 PM	Set CurveFit = fitQuadratic for compound bis(-2-Chloroethyl)Ether in all samples; previous value = fitAverageOfResponseFactors			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:53:39 PM	Set CurveFitOrigin = originInclude for compound bis(-2-Chloroethyl)Ether in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:53:41 PM	Set CurveFitWeight = weightOneOverX for compound bis(-2-Chloroethyl)Ether in all samples; previous value = weightEqual			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:53:45 PM	Set CurveFit = fitQuadratic for compound 2-Chlorophenol in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:53:47 PM	Set CurveFitOrigin = originForce for compound 2-Chlorophenol in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:53:48 PM	Set CurveFitWeight = weightOneOverX for compound 2-Chlorophenol in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\sean	2/19/2022 12:54:07 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:54:35 PM	Set CurveFitOrigin = originInclude for compound 2-Chlorophenol in all samples; previous value = originIgnore			✓	
CmdQuantitate	BL2000\sean	2/19/2022 12:54:53 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:55:09 PM	Set CurveFit = fitQuadratic for compound 1,3-Dichlorobenzene in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:55:10 PM	Set CurveFitOrigin = originInclude for compound 1,3-Dichlorobenzene in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:55:13 PM	Set CurveFitWeight = weightOneOverX for compound 1,3-Dichlorobenzene in all samples; previous value = weightEqual			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:55:27 PM	Set CurveFit = fitAverageOfResponseFactors for compound 1,2-Dichlorobenzene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:55:28 PM	Set CurveFitOrigin = originIgnore for compound 1,2-Dichlorobenzene in all samples; previous value = originInclude			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:55:30 PM	Set CurveFitWeight = weightEqual for compound 1,2-Dichlorobenzene in all samples; previous value = weightOneOverX			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:55:33 PM	Set CurveFit = fitQuadratic for compound 1,2-Dichlorobenzene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:55:35 PM	Set CurveFitOrigin = originInclude for compound 1,2-Dichlorobenzene in all samples; previous value = originInclude			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:55:36 PM	Set CurveFitWeight = weightOneOverX for compound 1,2-Dichlorobenzene in all samples; previous value = weightOneOverX			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:55:47 PM	Set CurveFit = fitQuadratic for compound 2-Methylphenol in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:55:49 PM	Set CurveFitOrigin = originInclude for compound 2-Methylphenol in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:55:53 PM	Set CurveFitWeight = weightOneOverX for compound 2-Methylphenol in all samples; previous value = weightEqual			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:56:05 PM	Set CurveFit = fitQuadratic for compound Hexachloroethane in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:56:07 PM	Set CurveFitOrigin = originInclude for compound Hexachloroethane in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:56:10 PM	Set CurveFitWeight = weightOneOverX for compound Hexachloroethane in all samples; previous value = weightEqual			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:56:14 PM	Set CurveFit = fitQuadratic for compound Nitrobenzene-d5 in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:56:16 PM	Set CurveFitOrigin = originInclude for compound Nitrobenzene-d5 in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:56:18 PM	Set CurveFitWeight = weightOneOverX for compound Nitrobenzene-d5 in all samples; previous value = weightEqual			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:56:31 PM	Set CurveFit = fitQuadratic for compound 2,4-Dimethylphenol in all samples; previous value = fitAverageOfResponseFactors			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:56:32 PM	Set CurveFitOrigin = originInclude for compound 2,4-Dimethylphenol in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:56:34 PM	Set CurveFitWeight = weightOneOverX for compound 2,4-Dimethylphenol in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\sean	2/19/2022 12:56:51 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:57:00 PM	Set CurveFit = fitQuadratic for compound 2,4-Dichlorophenol in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:57:01 PM	Set CurveFitOrigin = originInclude for compound 2,4-Dichlorophenol in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:57:03 PM	Set CurveFitWeight = weightOneOverX for compound 2,4-Dichlorophenol in all samples; previous value = weightEqual			✓	
CmdQuantitate	BL2000\sean	2/19/2022 12:57:20 PM	Quantitate all compounds in all samples			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:57:55 PM	Set CurveFit = fitQuadratic for compound p-Chloroaniline in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:57:57 PM	Set CurveFitOrigin = originInclude for compound p-Chloroaniline in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:57:58 PM	Set CurveFitWeight = weightOneOverX for compound p-Chloroaniline in all samples; previous value = weightEqual			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:58:12 PM	Set CurveFit = fitQuadratic for compound 2-Methylnaphthalene in all samples; previous value = fitAverageOfResponseFactors			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:58:13 PM	Set CurveFitOrigin = originInclude for compound 2-Methylnaphthalene in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:58:15 PM	Set CurveFitWeight = weightOneOverX for compound 2-Methylnaphthalene in all samples; previous value = weightEqual			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:58:19 PM	Set CurveFit = fitQuadratic for compound 1-Methylnaphthalene in all samples; previous value = fitAverageOfResponseFactors			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:58:21 PM	Set CurveFitOrigin = originInclude for compound 1-Methylnaphthalene in all samples; previous value = originIgnore			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:58:22 PM	Set CurveFitWeight = weightOneOverX for compound 1-Methylnaphthalene in all samples; previous value = weightEqual			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:58:34 PM	Set CurveFit = fitAverageOfResponseFactors for compound 2-Chloronaphthalene in all samples; previous value = fitQuadratic			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:58:35 PM	Set CurveFitOrigin = originIgnore for compound 2-Chloronaphthalene in all samples; previous value = originInclude			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 12:58:37 PM	Set CurveFitWeight = weightEqual for compound 2-Chloronaphthalene in all samples; previous value = weightOneOverX			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 1:00:18 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\sean	2/19/2022 1:00:40 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1809.D			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 1:00:57 PM	Set SampleType = QC for sample Feb1809.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 1:01:04 PM	Set LevelName = ICV for sample Feb1809.D; previous value =			✓	
CmdQuantitate	BL2000\sean	2/19/2022 1:01:34 PM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 1:02:27 PM	Manually integrate compound 2-Methylphenol in sample Feb1809.D, from x, y = 5.206, 238052 to 5.349, 359944, result = -1925634; previous integration is from x, y = 5.043, 504 to 5.206, 1463 and previous response = 235098.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 1:02:28 PM	Snap baseline for compound 2-Methylphenol in sample Feb1809.D, from x = 5.206 to x = 5.349, new integration is from x, y = 5.206, 3189 to 5.349, 3583 and new response = 610425; previous integration is from x, y = 5.206, 238052 to 5.349, 359944 and previous response = -1925634.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 1:02:28 PM	Drop baseline for compound 2-Methylphenol in sample Feb1809.D to y = 3189, new integration is from x, y = 5.206, 3189 to 5.349, 3189 and new response = 612115; previous integration is from x, y = 5.206, 3189 to 5.349, 3583 and previous response = 610425.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:02:33 PM	Set UserAnnotation = CO for compound 2-Methylphenol in sample Feb1809.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 1:02:35 PM	Apply target integration range 5.206-5.349 to qualifier 108.0 for compound 2-Methylphenol in sample Feb1809.D, new integration is from x, y = 5.206, 4224 to 5.349, 4943 and new response = 677486; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 1:02:35 PM	Drop baseline for qualifier 108.0 of compound 2-Methylphenol in sample Feb1809.D to y = 4224, new integration is from x, y = 5.206, 4224 to 5.349, 4224 and new response = 680570; previous integration is from x, y = 5.206, 4224 to 5.349, 4943 and previous response = 677486.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 1:03:03 PM	Apply target integration range 8.486-8.579 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1809.D, new integration is from x, y = 8.486, 3877 to 8.579, 1872 and new response = 36107; previous integration is from x, y = 8.384, 751 to 8.476, 775 and previous response = 1010181.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 1:03:04 PM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1809.D to y = 1872, new integration is from x, y = 8.486, 1872 to 8.579, 1872 and new response = 41645; previous integration is from x, y = 8.486, 3877 to 8.579, 1872 and previous response = 36107.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 1:03:13 PM	Apply target integration range 6.393-6.506 to qualifier 129.0 for compound p-Chloroaniline in sample Feb1809.D, new integration is from x, y = 6.393, 955 to 6.506, 2471 and new response = 222435; previously no peak.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 1:03:14 PM	Drop baseline for qualifier 129.0 of compound p-Chloroaniline in sample Feb1809.D to y = 955, new integration is from x, y = 6.393, 955 to 6.506, 955 and new response = 227573; previous integration is from x, y = 6.393, 955 to 6.506, 2471 and previous response = 222435.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 1:03:15 PM	Split qualifier 129.0 of compound p-Chloroaniline in sample Feb1809.D and keep left peak, new integration is from x, y = 6.393, 955 to 6.475, 955 and new response = 217002, previous integration is from x, y = 6.393, 955 to 6.506, 955 and previous response = 227573.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 1:03:39 PM	Split qualifier 167.0 of compound Fluorene in sample Feb1809.D and keep left peak, new integration is from x, y = 8.967, 0 to 9.141, 0 and new response = 177695, previous integration is from x, y = 8.967, 0 to 9.295, 0 and previous response = 490451.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 1:03:49 PM	Apply target integration range 8.681-8.834 to qualifier 139.0 for compound 4-Nitrophenol in sample Feb1809.D, new integration is from x, y = 8.681, 2782 to 8.834, 1466 and new response = 118139; previous integration is from x, y = 8.599, 262 to 8.671, 351 and previous response = 636011.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 1:03:50 PM	Drop baseline for qualifier 139.0 of compound 4-Nitrophenol in sample Feb1809.D to y = 1466, new integration is from x, y = 8.681, 1466 to 8.834, 1466 and new response = 124218; previous integration is from x, y = 8.681, 2782 to 8.834, 1466 and previous response = 118139.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 1:04:30 PM	Apply target integration range 8.384-8.476 to qualifier 152.0 for compound Acenaphthene in sample Feb1809.D, new integration is from x, y = 8.384, 1674 to 8.476, 2454 and new response = 521181; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 1:04:31 PM	Drop baseline for qualifier 152.0 of compound Acenaphthene in sample Feb1809.D to y = 1674, new integration is from x, y = 8.384, 1674 to 8.476, 1674 and new response = 523336; previous integration is from x, y = 8.384, 1674 to 8.476, 2454 and previous response = 521181.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 1:04:40 PM	Manually integrate compound 1,4-Dichlorobenzene in sample Feb1809.D, from x, y = 4.879, 545744 to 4.971, 645791, result = -2362378; previous integration is from x, y = 4.797, 0 to 4.879, 0 and previous response = 912914.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 1:04:41 PM	Snap baseline for compound 1,4-Dichlorobenzene in sample Feb1809.D, from x = 4.879 to x = 4.971, new integration is from x, y = 4.879, 2332 to 4.971, 3474 and new response = 907269; previous integration is from x, y = 4.879, 545744 to 4.971, 645791 and previous response = -2362378.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 1:04:42 PM	Drop baseline for compound 1,4-Dichlorobenzene in sample Feb1809.D to y = 2332, new integration is from x, y = 4.879, 2332 to 4.971, 2332 and new response = 910418; previous integration is from x, y = 4.879, 2332 to 4.971, 3474 and previous response = 907269.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:04:44 PM	Set UserAnnotation = CO for compound 1,4-Dichlorobenzene in sample Feb1809.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 1:04:46 PM	Apply target integration range 4.879-4.971 to qualifier 148.0 for compound 1,4-Dichlorobenzene in sample Feb1809.D, new integration is from x, y = 4.879, 1400 to 4.971, 2081 and new response = 576513; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 1:04:47 PM	Apply target integration range 4.879-4.971 to qualifier 111.0 for compound 1,4-Dichlorobenzene in sample Feb1809.D, new integration is from x, y = 4.879, 2110 to 4.971, 1580 and new response = 318039; previously no peak.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/19/2022 1:05:19 PM	Manually integrate compound 2,4,5-Trichlorophenol in sample Feb1809.D, from x, y = 7.451, 242620 to 7.748, 267926, result = -3946208; previous integration is from x, y = 7.492, 73 to 7.594, 139 and previous response = 577196.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/19/2022 1:05:20 PM	Snap baseline for compound 2,4,5-Trichlorophenol in sample Feb1809.D, from x = 7.451 to x = 7.748, new integration is from x, y = 7.451, 0 to 7.748, 761 and new response = 608466; previous integration is from x, y = 7.451, 242620 to 7.748, 267926 and previous response = -3946208.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 1:05:20 PM	Drop baseline for compound 2,4,5-Trichlorophenol in sample Feb1809.D to y = 0, new integration is from x, y = 7.451, 0 to 7.748, 0 and new response = 615265; previous integration is from x, y = 7.451, 0 to 7.748, 761 and previous response = 608466.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 1:05:21 PM	Split peak for compound 2,4,5-Trichlorophenol in sample Feb1809.D and keep right peak, new integration is from x, y = 7.553, 0 to 7.748, 0 and new response = 325852, previous integration is from x, y = 7.451, 0 to 7.748, 0 and previous response = 615265.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:05:22 PM	Set UserAnnotation = CO for compound 2,4,5-Trichlorophenol in sample Feb1809.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/19/2022 1:05:24 PM	Apply target integration range 7.553-7.748 to qualifier 198.0 for compound 2,4,5-Trichlorophenol in sample Feb1809.D, new integration is from x, y = 7.553, 3430 to 7.748, 891 and new response = 289520; previous integration is from x, y = 7.492, 87 to 7.594, 165 and previous response = 560211.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/19/2022 1:05:25 PM	Drop baseline for qualifier 198.0 of compound 2,4,5-Trichlorophenol in sample Feb1809.D to y = 891, new integration is from x, y = 7.553, 891 to 7.748, 891 and new response = 304382; previous integration is from x, y = 7.553, 3430 to 7.748, 891 and previous response = 289520.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 1:05:29 PM	Split peak for compound 2,4,6-Trichlorophenol in sample Feb1809.D and keep left peak, new integration is from x, y = 7.492, 76.7208949890382 to 7.553, 110.414519853646 and new response = 289067, previous integration is from x, y = 7.492, 77 to 7.594, 133 and previous response = 577207.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:05:30 PM	Set UserAnnotation = CO for compound 2,4,6-Trichlorophenol in sample Feb1809.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 1:05:32 PM	Split qualifier 198.0 of compound 2,4,6-Trichlorophenol in sample Feb1809.D and keep left peak, new integration is from x, y = 7.492, 99.0090642709793 to 7.553, 148.220955086586 and new response = 281328, previous integration is from x, y = 7.492, 99 to 7.594, 181 and previous response = 560133.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 1:05:36 PM	Split peak for compound 4-Chloro-3-Methylphenol in sample Feb1809.D and keep right peak, new integration is from x, y = 7.030, 691.395300142629 to 7.143, 840.270460467867 and new response = 449625, previous integration is from x, y = 6.908, 531 to 7.143, 840 and previous response = 853862.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:05:37 PM	Set UserAnnotation = CO for compound 4-Chloro-3-Methylphenol in sample Feb1809.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 1:05:39 PM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1809.D and keep right peak, new integration is from x, y = 7.050, 120.975524586593 to 7.194, 196.662619641078 and new response = 133299, previous integration is from x, y = 6.917, 51 to 7.194, 197 and previous response = 229723.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 1:05:40 PM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1809.D and keep left peak, new integration is from x, y = 7.050, 120.975524586593 to 7.122, 158.814685473343 and new response = 119448, previous integration is from x, y = 7.050, 121 to 7.194, 197 and previous response = 133299.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 1:05:45 PM	Split peak for compound 4-Chloro-2-Methylphenol in sample Feb1809.D and keep left peak, new integration is from x, y = 6.914, 728.963501121918 to 7.030, 1121.19926199785 and new response = 402121, previous integration is from x, y = 6.914, 729 to 7.143, 1505 and previous response = 847986.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:05:46 PM	Set UserAnnotation = CO for compound 4-Chloro-2-Methylphenol in sample Feb1809.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/19/2022 1:05:47 PM	Split qualifier 144.0 of compound 4-Chloro-2-Methylphenol in sample Feb1809.D and keep left peak, new integration is from x, y = 6.917, 117.142370848144 to 7.050, 224.26002736048 and new response = 104091, previous integration is from x, y = 6.917, 117 to 7.194, 340 and previous response = 228022.			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 1:05:51 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\sean	2/19/2022 1:06:18 PM	Replace level ICV with QC sample Feb1809.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 1 with Calibration sample Feb1808.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene,			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 2 with Calibration sample Feb1807.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 3 with Calibration sample Feb1806.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 4 with Calibration sample Feb1805.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 5 with Calibration sample Feb1804.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol,				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 6 with Calibration sample Feb1803.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-				

Name	User	Time	Action	Reason	Comment	Succeed	Exception
			Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine}; Replace level 7 with Calibration sample Feb1802.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine};				
CmdQuantitate	BL2000\sean	2/19/2022 1:06:39 PM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSaveBatchTable	BL2000\sean	2/19/2022 1:06:54 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
GenerateReport	BL2000\sean	2/19/2022 1:07:27 PM	Generates report - Method: \\MASSHUNTER\Org\reports\LevelIV_Reports\Calibration\01_Init_Cal+Gen_Calibration+Gen_ResultsSummary.m, Output Path: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantReports\021822 DoD BNA cal				Agilent.MassSpectrometry.DataAnalysis.Quantitative.ApplicationCommandCancelledException: Generating report(s) was canceled by user. at Agilent.MassSpectrometry.DataAnalysis.Quantitative.GenerateReport.RunReportMethod(ICompliance compliance, String user, String batchFolder, String batchFile, String method, String outputPath, String applicationType, String cancelEventName, Int16[] samples, Int16[] compounds, String logonXml, Action`1 progress) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.GenerateReport.Do() at Agilent.MassSpectrometry.CommandModel.CommandHistory.Invoke(ICommand cmd) at Agilent.MassSpectrometry.DataAnalysis.Quantitative.AppCommandContext._Invoke(ICommand cmd)
CmdSetSampleAttribute	BL2000\sean	2/19/2022 1:07:36 PM	Set SampleApproved = True for sample Feb1801.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 1:07:37 PM	Set SampleApproved = True for sample Feb1802.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 1:07:38 PM	Set SampleApproved = True for sample Feb1803.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 1:07:39 PM	Set SampleApproved = True for sample Feb1804.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 1:07:40 PM	Set SampleApproved = True for sample Feb1805.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 1:07:40 PM	Set SampleApproved = True for sample Feb1806.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 1:07:41 PM	Set SampleApproved = True for sample Feb1807.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/19/2022 1:07:42 PM	Set SampleApproved = True for sample Feb1808.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\sean	2/19/2022 1:07:43 PM	Set SampleApproved = True for sample Feb1809.D; previous value = False			✓	
CmdQuantitate	BL2000\sean	2/19/2022 1:08:03 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 1:08:11 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
GenerateReport	BL2000\sean	2/19/2022 1:09:47 PM	Generates report - Method: \\MASSHUNTER\Org\reports\LevelIV_Reports\Calibration\01_Init_Cal+Gen_Calibration+Gen_ResultsSummary.m, Output Path: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantReports\021822 DoD BNA cal			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 1:10:13 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\sean	2/19/2022 1:18:14 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1810.D			✓	
CmdQuantitate	BL2000\sean	2/19/2022 1:18:51 PM	Quantitate all compounds in all samples			✓	
CmdZeroOutPeak	BL2000\sean	2/19/2022 1:19:19 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1810.D			✓	
CmdZeroOutPeak	BL2000\sean	2/19/2022 1:19:21 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1810.D			✓	
CmdZeroOutPeak	BL2000\sean	2/19/2022 1:19:23 PM	Zero out primary peak of compound bis(-2-Chloroethyl)Ether in sample Feb1810.D			✓	
CmdZeroOutPeak	BL2000\sean	2/19/2022 1:19:24 PM	Zero out primary peak of compound Phenol in sample Feb1810.D			✓	
CmdZeroOutPeak	BL2000\sean	2/19/2022 1:19:26 PM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1810.D			✓	
CmdZeroOutPeak	BL2000\sean	2/19/2022 1:19:26 PM	Zero out primary peak of compound bis(-2-Chloroethoxy)Methane in sample Feb1810.D			✓	
CmdZeroOutPeak	BL2000\sean	2/19/2022 1:19:27 PM	Zero out primary peak of compound bis(-2-Chloroethoxy)Methane in sample Feb1810.D			✓	
CmdZeroOutPeak	BL2000\sean	2/19/2022 1:19:29 PM	Zero out primary peak of compound Naphthalene in sample Feb1810.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:19:31 PM	Set UserAnnotation = INT for compound Naphthalene in sample Feb1810.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:19:34 PM	Set UserAnnotation = INT for compound bis(-2-Chloroethoxy)Methane in sample Feb1810.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:19:36 PM	Set UserAnnotation = INT for compound 4-Chlorophenol in sample Feb1810.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:19:38 PM	Set UserAnnotation = INT for compound Phenol in sample Feb1810.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:19:41 PM	Set UserAnnotation = INT for compound bis(-2-Chloroethyl)Ether in sample Feb1810.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:19:43 PM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1810.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/19/2022 1:19:46 PM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1810.D; previous value =			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 1:19:50 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdSaveBatchTable	BL2000\sean	2/19/2022 1:20:31 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdOpenBatchTable	BL2000\sean	2/20/2022 7:38:44 AM	Open batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\021822 DoD BNA cal.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdImportSamplesFromWorklist	BL2000\sean	2/20/2022 7:41:49 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1825.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1824.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1823.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1822.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1821.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1820.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1819.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1818.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1817.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1816.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1815.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1814.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1813.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1812.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1811.D			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:04 AM	Set SampleType = Blank for sample Feb1812.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:30 AM	Set SampleInformation = MatrixA for sample Feb1813.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:35 AM	Set SampleInformation = MatrixA for sample Feb1814.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:36 AM	Set SampleInformation = MatrixA for sample Feb1816.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:37 AM	Set SampleInformation = MatrixA for sample Feb1817.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:38 AM	Set SampleInformation = MatrixA for sample Feb1823.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:41 AM	Set MatrixSpikeGroup = B22020415-017C for sample Feb1822.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:42 AM	Set MatrixSpikeGroup = B22020415-017C for sample Feb1823.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:44 AM	Set MatrixSpikeGroup = MB-163724 for sample Feb1815.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:46 AM	Set MatrixSpikeGroup = MB-163724 for sample Feb1816.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:46 AM	Set MatrixSpikeGroup = MB-163724 for sample Feb1817.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:48 AM	Set MatrixSpikeGroup = MB-163621 for sample Feb1812.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:49 AM	Set MatrixSpikeGroup = MB-163621 for sample Feb1813.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:52:50 AM	Set MatrixSpikeGroup = MB-163621 for sample Feb1814.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:53:09 AM	Set SampleType = Matrix for sample Feb1813.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:53:20 AM	Set SampleType = MatrixDup for sample Feb1814.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:53:38 AM	Set SampleType = Blank for sample Feb1815.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:53:51 AM	Set SampleType = Matrix for sample Feb1816.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:54:05 AM	Set SampleType = MatrixDup for sample Feb1817.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:54:21 AM	Set SampleType = Matrix for sample Feb1823.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:54:36 AM	Set SampleType = CC for sample Feb1825.D; previous value = Sample			✓	
CmdQuantitate	BL2000\sean	2/20/2022 7:57:33 AM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 7:59:22 AM	Set LevelName = CCV for sample Feb1825.D; previous value =			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 7:59:34 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 7:59:54 AM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1811.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 7:59:55 AM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1811.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 7:59:57 AM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1811.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 7:59:58 AM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1811.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:00:00 AM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1811.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:00:01 AM	Set UserAnnotation = INT for compound 4-Chlorophenol in sample Feb1811.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:00:13 AM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1812.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:00:15 AM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1812.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:00:17 AM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1812.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:00:20 AM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1812.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:00:20 AM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1812.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:00:23 AM	Zero out primary peak of compound Benzidine in sample Feb1812.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:00:24 AM	Set UserAnnotation = INT for compound Benzidine in sample Feb1812.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:00:25 AM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1812.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:00:27 AM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1812.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:00:29 AM	Zero out primary peak of compound bis(-2-Chloroethyl)Ether in sample Feb1812.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:00:30 AM	Set UserAnnotation = INT for compound bis(-2-Chloroethyl)Ether in sample Feb1812.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:00:32 AM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1812.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:00:32 AM	Set UserAnnotation = INT for compound 4-Chlorophenol in sample Feb1812.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:01:06 AM	Split peak for compound Aniline in sample Feb1813.D and keep left peak, new integration is from x, y = 4.535, 606.796154690264 to 4.613, 757.465333843064 and new response = 801104, previous integration is from x, y = 4.535, 607 to 4.685, 896 and previous response = 1689695.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:01:07 AM	Set UserAnnotation = CO for compound Aniline in sample Feb1813.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:01:10 AM	Split qualifier 66.0 of compound Aniline in sample Feb1813.D and keep left peak, new integration is from x, y = 4.540, 951.685658056772 to 4.593, 1023.40782819457 and new response = 273513, previous integration is from x, y = 4.540, 952 to 4.674, 1134 and previous response = 634511.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:01:16 AM	Split qualifier 66.0 of compound Phenol in sample Feb1813.D and keep right peak, new integration is from x, y = 4.593, 903.033382099744 to 4.674, 1010.10986432732 and new response = 361623, previous integration is from x, y = 4.531, 823 to 4.674, 1010 and previous response = 635547.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:01:20 AM	Split peak for compound bis(-2-Chloroethyl)Ether in sample Feb1813.D and keep left peak, new integration is from x, y = 4.593, 834.614087040505 to 4.674, 884.974547986752 and new response = 724305, previous integration is from x, y = 4.593, 835 to 4.715, 910 and previous response = 976468.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:01:21 AM	Set UserAnnotation = CO for compound bis(-2-Chloroethyl)Ether in sample Feb1813.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:01:25 AM	Apply target integration range 4.593-4.674 to qualifier 64.0 for compound bis(-2-Chloroethyl)Ether in sample Feb1813.D, new integration is from x, y = 4.593, 1754 to 4.674, 3206 and new response = 63022; previous integration is from x, y = 4.664, 329 to 4.766, 387 and previous response = 324282.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:01:26 AM	Drop baseline for qualifier 64.0 of compound bis(-2-Chloroethyl)Ether in sample Feb1813.D to y = 1754, new integration is from x, y = 4.593, 1754 to 4.674, 1754 and new response = 66580; previous integration is from x, y = 4.593, 1754 to 4.674, 3206 and previous response = 63022.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:01:35 AM	Split peak for compound 1,3-Dichlorobenzene in sample Feb1813.D and keep left peak, new integration is from x, y = 4.797, 0 to 4.879, 0 and new response = 1007455, previous integration is from x, y = 4.797, 0 to 5.134, 0 and previous response = 2976080.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:01:37 AM	Set UserAnnotation = CO for compound 1,3-Dichlorobenzene in sample Feb1813.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:01:39 AM	Split qualifier 148.0 of compound 1,3-Dichlorobenzene in sample Feb1813.D and keep left peak, new integration is from x, y = 4.797, 115.81862396934 to 4.879, 180.695910715798 and new response = 638263, previous integration is from x, y = 4.797, 116 to 4.981, 262 and previous response = 1269167.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:01:42 AM	Apply target integration range 4.797-4.879 to qualifier 111.0 for compound 1,3-Dichlorobenzene in sample Feb1813.D, new integration is from x, y = 4.797, 0 to 4.879, 1884 and new response = 365188; previously no peak.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:01:47 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1813.D and keep left peak, new integration is from x, y = 4.797, 188.287294062999 to 4.879, 276.215458606094 and new response = 1006318, previous integration is from x, y = 4.797, 188 to 5.134, 553 and previous response = 2967503.			✓	
CmdClearManualIntegration	BL2000\sean	2/20/2022 8:01:50 AM	Clear manual integration of target signal for compound 1,4-Dichlorobenzene in sample Feb1813.D			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:01:52 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1813.D and keep right peak, new integration is from x, y = 4.879, 276.215458606094 to 5.134, 552.663358307061 and new response = 1962276, previous integration is from x, y = 4.797, 188 to 5.134, 553 and previous response = 2967503.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:01:54 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1813.D and keep left peak, new integration is from x, y = 4.879, 276.215458606094 to 5.032, 442.084198426674 and new response = 995784, previous integration is from x, y = 4.879, 276 to 5.134, 553 and previous response = 1962276.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:01:57 AM	Set UserAnnotation = CO for compound 1,4-Dichlorobenzene in sample Feb1813.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:01:59 AM	Split qualifier 148.0 of compound 1,4-Dichlorobenzene in sample Feb1813.D and keep right peak, new integration is from x, y = 4.879, 109.37291358533 to 4.981, 172.682693744633 and new response = 632269, previous integration is from x, y = 4.797, 59 to 4.981, 173 and previous response = 1269939.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:02:02 AM	Apply target integration range 4.879-5.032 to qualifier 111.0 for compound 1,4-Dichlorobenzene in sample Feb1813.D, new integration is from x, y = 4.879, 1884 to 5.032, 811 and new response = 349186; previously no peak.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:02:07 AM	Split peak for compound 1,2-Dichlorobenzene in sample Feb1813.D and keep right peak, new integration is from x, y = 4.879, 89.9445015250027 to 5.134, 254.781247475939 and new response = 1965984, previous integration is from x, y = 4.797, 37 to 5.134, 255 and previous response = 2971944.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:02:09 AM	Split peak for compound 1,2-Dichlorobenzene in sample Feb1813.D and keep right peak, new integration is from x, y = 5.032, 188.846549095564 to 5.134, 254.781247475939 and new response = 968181, previous integration is from x, y = 4.879, 90 to 5.134, 255 and previous response = 1965984.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:02:10 AM	Set UserAnnotation = CO for compound 1,2-Dichlorobenzene in sample Feb1813.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:02:13 AM	Split qualifier 1 of compound 41 in sample 12, keep right peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:02:17 AM	Apply target integration range 5.032-5.134 to qualifier 111.0 for compound 1,2-Dichlorobenzene in sample Feb1813.D, new integration is from x, y = 5.032, 811 to 5.134, 1746 and new response = 359123; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:02:19 AM	Drop baseline for qualifier 111.0 of compound 1,2-Dichlorobenzene in sample Feb1813.D to y = 811, new integration is from x, y = 5.032, 811 to 5.134, 811 and new response = 361987; previous integration is from x, y = 5.032, 811 to 5.134, 1746 and previous response = 359123.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:02:24 AM	Apply target integration range 5.042-5.216 to qualifier 107.0 for compound Benzyl Alcohol in sample Feb1813.D, new integration is from x, y = 5.042, 640 to 5.216, 2454 and new response = 265234; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 8:02:25 AM	Drop baseline for qualifier 107.0 of compound Benzyl Alcohol in sample Feb1813.D to y = 640, new integration is from x, y = 5.042, 640 to 5.216, 640 and new response = 274683; previous integration is from x, y = 5.042, 640 to 5.216, 2454 and previous response = 265234.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:02:47 AM	Apply target integration range 6.372-6.475 to qualifier 128.0 for compound 4-Chlorophenol in sample Feb1813.D, new integration is from x, y = 6.372, 14083 to 6.475, 10666 and new response = 610983; previous integration is from x, y = 6.290, 558 to 6.393, 673 and previous response = 2247543.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 8:02:47 AM	Drop baseline for qualifier 128.0 of compound 4-Chlorophenol in sample Feb1813.D to y = 10666, new integration is from x, y = 6.372, 10666 to 6.475, 10666 and new response = 621511; previous integration is from x, y = 6.372, 14083 to 6.475, 10666 and previous response = 610983.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:02:54 AM	Apply target integration range 6.393-6.506 to qualifier 129.0 for compound p-Chloroaniline in sample Feb1813.D, new integration is from x, y = 6.393, 1242 to 6.506, 3478 and new response = 283123; previous integration is from x, y = 6.290, 276 to 6.393, 346 and previous response = 253494.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 8:02:55 AM	Drop baseline for qualifier 129.0 of compound p-Chloroaniline in sample Feb1813.D to y = 1242, new integration is from x, y = 6.393, 1242 to 6.506, 1242 and new response = 290701; previous integration is from x, y = 6.393, 1242 to 6.506, 3478 and previous response = 283123.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:02:57 AM	Split qualifier 129.0 of compound p-Chloroaniline in sample Feb1813.D and keep left peak, new integration is from x, y = 6.393, 1242 to 6.506, 1242 and new response = 290701, previous integration is from x, y = 6.393, 1242 to 6.506, 1242 and previous response = 290701.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:03:06 AM	Split peak for compound 4-Chloro-3-Methylphenol in sample Feb1813.D and keep right peak, new integration is from x, y = 7.050, 983.099394601591 to 7.132, 1174.52600714013 and new response = 603491, previous integration is from x, y = 6.907, 650 to 7.132, 1175 and previous response = 1191595.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:03:07 AM	Set UserAnnotation = CO for compound 4-Chloro-3-Methylphenol in sample Feb1813.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:03:09 AM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1813.D and keep right peak, new integration is from x, y = 7.050, 0 to 7.194, 0 and new response = 178574, previous integration is from x, y = 6.906, 0 to 7.194, 0 and previous response = 327018.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:03:10 AM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1813.D and keep left peak, new integration is from x, y = 7.050, 0 to 7.122, 0 and new response = 161005, previous integration is from x, y = 7.050, 0 to 7.194, 0 and previous response = 178574.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:03:16 AM	Split peak for compound 1-Methylnaphthalene in sample Feb1813.D and keep left peak, new integration is from x, y = 7.235, 1317.4532733854 to 7.307, 1339.24163762859 and new response = 1135357, previous integration is from x, y = 7.235, 1317 to 7.389, 1364 and previous response = 1187236.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:03:17 AM	Set UserAnnotation = CO for compound 1-Methylnaphthalene in sample Feb1813.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:03:23 AM	Split peak for compound 4-Chloro-2-Methylphenol in sample Feb1813.D and keep left peak, new integration is from x, y = 6.909, 932.381651065141 to 7.050, 1425.13973837322 and new response = 585421, previous integration is from x, y = 6.909, 932 to 7.132, 1712 and previous response = 1186260.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:03:24 AM	Set UserAnnotation = CO for compound 4-Chloro-2-Methylphenol in sample Feb1813.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:03:26 AM	Split qualifier 144.0 of compound 4-Chloro-2-Methylphenol in sample Feb1813.D and keep left peak, new integration is from x, y = 6.906, 0 to 7.050, 0 and new response = 148444, previous integration is from x, y = 6.906, 0 to 7.194, 0 and previous response = 327018.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:03:44 AM	Apply target integration range 8.497-8.650 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1813.D, new integration is from x, y = 8.497, 4420 to 8.650, 2408 and new response = 57466; previous integration is from x, y = 8.384, 873 to 8.486, 901 and previous response = 1377205.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:03:46 AM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1813.D to y = 2408, new integration is from x, y = 8.497, 2408 to 8.650, 2408 and new response = 66728; previous integration is from x, y = 8.497, 4420 to 8.650, 2408 and previous response = 57466.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:03:52 AM	Apply target integration range 8.681-8.834 to qualifier 139.0 for compound 4-Nitrophenol in sample Feb1813.D, new integration is from x, y = 8.681, 2824 to 8.834, 1506 and new response = 64316; previous integration is from x, y = 8.589, 350 to 8.681, 470 and previous response = 898148.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:03:53 AM	Drop baseline for qualifier 139.0 of compound 4-Nitrophenol in sample Feb1813.D to y = 1506, new integration is from x, y = 8.681, 1506 to 8.834, 1506 and new response = 70384; previous integration is from x, y = 8.681, 2824 to 8.834, 1506 and previous response = 64316.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:03:58 AM	Split qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1813.D and keep right peak, new integration is from x, y = 8.650, 2020.87537035911 to 8.691, 1941.56512801654 and new response = 130775, previous integration is from x, y = 8.599, 2120 to 8.691, 1942 and previous response = 263818.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:04:03 AM	Split qualifier 167.0 of compound Fluorene in sample Feb1813.D and keep left peak, new integration is from x, y = 8.977, 0 to 9.100, 0 and new response = 240703, previous integration is from x, y = 8.977, 0 to 9.295, 0 and previous response = 680842.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:04:16 AM	Apply target integration range 9.131-9.213 to qualifier 121.0 for compound 4,6-Dinitro-2-methylphenol in sample Feb1813.D, new integration is from x, y = 9.131, 1304 to 9.213, 2651 and new response = 76081; previous integration is from x, y = 8.978, 1295 to 9.058, 1214 and previous response = 86170.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:04:17 AM	Drop baseline for qualifier 121.0 of compound 4,6-Dinitro-2-methylphenol in sample Feb1813.D to y = 1304, new integration is from x, y = 9.131, 1304 to 9.213, 1304 and new response = 79388; previous integration is from x, y = 9.131, 1304 to 9.213, 2651 and previous response = 76081.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:04:28 AM	Apply target integration range 9.938-10.039 to qualifier 267.9 for compound Pentachlorophenol in sample Feb1813.D, new integration is from x, y = 9.938, 0 to 10.039, 1138 and new response = 158899; previous integration is from x, y = 10.282, 0 to 10.373, 0 and previous response = 132424.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:04:29 AM	Drop baseline for qualifier 267.9 of compound Pentachlorophenol in sample Feb1813.D to y = 0, new integration is from x, y = 9.938, 0 to 10.039, 0 and new response = 162357; previous integration is from x, y = 9.938, 0 to 10.039, 1138 and previous response = 158899.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 8:04:35 AM	Manually integrate compound Anthracene in sample Feb1813.D, from x, y = 10.140, 904559 to 10.292, 1056470, result = -3801056; previous integration is from x, y = 10.151, 351 to 10.221, 494 and previous response = 2693883.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 8:04:36 AM	Snap baseline for compound Anthracene in sample Feb1813.D, from x = 10.140 to x = 10.292, new integration is from x, y = 10.140, 554 to 10.292, 10965 and new response = 5083836; previous integration is from x, y = 10.140, 904559 to 10.292, 1056470 and previous response = -3801056.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 8:04:37 AM	Drop baseline for compound Anthracene in sample Feb1813.D to y = 554, new integration is from x, y = 10.140, 554 to 10.292, 554 and new response = 5131284; previous integration is from x, y = 10.140, 554 to 10.292, 10965 and previous response = 5083836.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:04:38 AM	Split peak for compound Anthracene in sample Feb1813.D and keep right peak, new integration is from x, y = 10.221, 554 to 10.292, 554 and new response = 2437792, previous integration is from x, y = 10.140, 554 to 10.292, 554 and previous response = 5131284.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:04:40 AM	Set UserAnnotation = CO for compound Anthracene in sample Feb1813.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:04:42 AM	Apply target integration range 10.221-10.292 to qualifier 176.0 for compound Anthracene in sample Feb1813.D, new integration is from x, y = 10.221, 1798 to 10.292, 1638 and new response = 438142; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 8:04:43 AM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1813.D to y = 1638, new integration is from x, y = 10.221, 1638 to 10.292, 1638 and new response = 438482; previous integration is from x, y = 10.221, 1798 to 10.292, 1638 and previous response = 438142.			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 8:06:46 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:06:56 AM	Apply target integration range 6.126-6.270 to qualifier 122.0 for compound Benzoic Acid in sample Feb1814.D, new integration is from x, y = 6.126, 4646 to 6.270, 1985 and new response = 66267; previously no peak.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:06:57 AM	Drop baseline for qualifier 122.0 of compound Benzoic Acid in sample Feb1814.D to y = 1985, new integration is from x, y = 6.126, 1985 to 6.270, 1985 and new response = 77779; previous integration is from x, y = 6.126, 4646 to 6.270, 1985 and previous response = 66267.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:07:01 AM	Apply target integration range 6.126-6.270 to qualifier 77.0 for compound Benzoic Acid in sample Feb1814.D, new integration is from x, y = 6.126, 3087 to 6.270, 3207 and new response = 69023; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:07:02 AM	Drop baseline for qualifier 77.0 of compound Benzoic Acid in sample Feb1814.D to y = 3087, new integration is from x, y = 6.126, 3087 to 6.270, 3087 and new response = 69539; previous integration is from x, y = 6.126, 3087 to 6.270, 3207 and previous response = 69023.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:07:10 AM	Split peak for compound Aniline in sample Feb1814.D and keep left peak, new integration is from x, y = 4.537, 702.726103948613 to 4.613, 938.313359982366 and new response = 742767, previous integration is from x, y = 4.537, 703 to 4.685, 1158 and previous response = 1641221.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:07:11 AM	Set UserAnnotation = CO for compound Aniline in sample Feb1814.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:07:13 AM	Split qualifier 66.0 of compound Aniline in sample Feb1814.D and keep left peak, new integration is from x, y = 4.537, 910.01134887833 to 4.593, 986.310454345922 and new response = 245397, previous integration is from x, y = 4.537, 910 to 4.675, 1099 and previous response = 599990.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:07:18 AM	Split qualifier 66.0 of compound Phenol in sample Feb1814.D and keep right peak, new integration is from x, y = 4.593, 937.637495499408 to 4.675, 1058.16303218324 and new response = 354812, previous integration is from x, y = 4.536, 854 to 4.675, 1058 and previous response = 600365.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:07:21 AM	Split qualifier 64.0 of compound bis(-2-Chloroethyl)Ether in sample Feb1814.D and keep left peak, new integration is from x, y = 4.664, 393.187541259475 to 4.766, 470.84588117182 and new response = 312940, previous integration is from x, y = 4.664, 393 to 4.766, 471 and previous response = 312940.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:07:26 AM	Split peak for compound bis(-2-Chloroethyl)Ether in sample Feb1814.D and keep left peak, new integration is from x, y = 4.593, 821.0741919406 to 4.675, 903.580653052772 and new response = 716277, previous integration is from x, y = 4.593, 821 to 4.715, 945 and previous response = 951023.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:07:27 AM	Set UserAnnotation = CO for compound bis(-2-Chloroethyl)Ether in sample Feb1814.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:07:29 AM	Apply target integration range 4.593-4.675 to qualifier 64.0 for compound bis(-2-Chloroethyl)Ether in sample Feb1814.D, new integration is from x, y = 4.593, 1740 to 4.675, 2297 and new response = 66226; previous integration is from x, y = 4.664, 393 to 4.766, 471 and previous response = 312940.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:07:30 AM	Drop baseline for qualifier 64.0 of compound bis(-2-Chloroethyl)Ether in sample Feb1814.D to y = 1740, new integration is from x, y = 4.593, 1740 to 4.675, 1740 and new response = 67591; previous integration is from x, y = 4.593, 1740 to 4.675, 2297 and previous response = 66226.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:07:37 AM	Split peak for compound 1,3-Dichlorobenzene in sample Feb1814.D and keep left peak, new integration is from x, y = 4.797, 0 to 4.889, 0 and new response = 931738, previous integration is from x, y = 4.797, 0 to 5.134, 0 and previous response = 2773120.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:07:40 AM	Set UserAnnotation = CO for compound 1,3-Dichlorobenzene in sample Feb1814.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:07:42 AM	Apply target integration range 4.797-4.889 to qualifier 148.0 for compound 1,3-Dichlorobenzene in sample Feb1814.D, new integration is from x, y = 4.797, 0 to 4.889, 3052 and new response = 586448; previous integration is from x, y = 4.799, 316 to 5.134, 1032 and previous response = 1761128.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:07:43 AM	Apply target integration range 4.797-4.889 to qualifier 111.0 for compound 1,3-Dichlorobenzene in sample Feb1814.D, new integration is from x, y = 4.797, 0 to 4.889, 7165 and new response = 324506; previous integration is from x, y = 4.797, 0 to 5.134, 0 and previous response = 1018852.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:07:48 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1814.D and keep right peak, new integration is from x, y = 4.889, 0 to 5.134, 0 and new response = 1841382, previous integration is from x, y = 4.797, 0 to 5.134, 0 and previous response = 2773120.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:07:51 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1814.D and keep left peak, new integration is from x, y = 4.889, 0 to 5.032, 0 and new response = 942538, previous integration is from x, y = 4.889, 0 to 5.134, 0 and previous response = 1841382.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:07:52 AM	Set UserAnnotation = CO for compound 1,4-Dichlorobenzene in sample Feb1814.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:07:54 AM	Apply target integration range 4.889-5.032 to qualifier 148.0 for compound 1,4-Dichlorobenzene in sample Feb1814.D, new integration is from x, y = 4.889, 3052 to 5.032, 1727 and new response = 580212; previous integration is from x, y = 4.798, 160 to 5.134, 591 and previous response = 1767039.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:07:55 AM	Apply target integration range 4.889-5.032 to qualifier 111.0 for compound 1,4-Dichlorobenzene in sample Feb1814.D, new integration is from x, y = 4.889, 7165 to 5.032, 654 and new response = 302505; previous integration is from x, y = 4.797, 0 to 5.134, 0 and previous response = 1018852.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:08:01 AM	Split peak for compound 1,2-Dichlorobenzene in sample Feb1814.D and keep right peak, new integration is from x, y = 4.889, 124.684786635269 to 5.134, 293.674356780488 and new response = 1838305, previous integration is from x, y = 4.797, 61 to 5.134, 294 and previous response = 2768769.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:08:03 AM	Split peak for compound 1,2-Dichlorobenzene in sample Feb1814.D and keep right peak, new integration is from x, y = 5.032, 223.261078351855 to 5.134, 293.674356780488 and new response = 897260, previous integration is from x, y = 4.889, 125 to 5.134, 294 and previous response = 1838305.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:08:04 AM	Set UserAnnotation = CO for compound 1,2-Dichlorobenzene in sample Feb1814.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:08:06 AM	Apply target integration range 5.032-5.134 to qualifier 148.0 for compound 1,2-Dichlorobenzene in sample Feb1814.D, new integration is from x, y = 5.032, 1727 to 5.134, 1507 and new response = 569650; previous integration is from x, y = 4.797, 4 to 5.134, 55 and previous response = 1773932.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:08:08 AM	Apply target integration range 5.032-5.134 to qualifier 111.0 for compound 1,2-Dichlorobenzene in sample Feb1814.D, new integration is from x, y = 5.032, 654 to 5.134, 863 and new response = 333895; previous integration is from x, y = 4.797, 0 to 5.134, 0 and previous response = 1018852.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:08:31 AM	Apply target integration range 6.393-6.475 to qualifier 128.0 for compound 4-Chlorophenol in sample Feb1814.D, new integration is from x, y = 6.393, 7168 to 6.475, 10141 and new response = 620404; previous integration is from x, y = 6.301, 631 to 6.393, 788 and previous response = 2242557.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:08:32 AM	Drop baseline for qualifier 128.0 of compound 4-Chlorophenol in sample Feb1814.D to y = 7168, new integration is from x, y = 6.393, 7168 to 6.475, 7168 and new response = 627731; previous integration is from x, y = 6.393, 7168 to 6.475, 10141 and previous response = 620404.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:08:40 AM	Apply target integration range 6.393-6.506 to qualifier 129.0 for compound p-Chloroaniline in sample Feb1814.D, new integration is from x, y = 6.393, 1008 to 6.506, 2757 and new response = 274667; previous integration is from x, y = 6.290, 488 to 6.393, 523 and previous response = 250033.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:08:41 AM	Drop baseline for qualifier 129.0 of compound p-Chloroaniline in sample Feb1814.D to y = 1008, new integration is from x, y = 6.393, 1008 to 6.506, 1008 and new response = 280595; previous integration is from x, y = 6.393, 1008 to 6.506, 2757 and previous response = 274667.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:08:49 AM	Split peak for compound 4-Chloro-3-Methylphenol in sample Feb1814.D and keep right peak, new integration is from x, y = 7.040, 926.337783185568 to 7.143, 1088.0539708203 and new response = 605670, previous integration is from x, y = 6.907, 717 to 7.143, 1088 and previous response = 1153180.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:08:50 AM	Set UserAnnotation = CO for compound 4-Chloro-3-Methylphenol in sample Feb1814.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:08:52 AM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1814.D and keep right peak, new integration is from x, y = 7.050, 202.18595682137 to 7.122, 265.004263357048 and new response = 158824, previous integration is from x, y = 6.908, 78 to 7.122, 265 and previous response = 302040.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:08:59 AM	Split peak for compound 4-Chloro-2-Methylphenol in sample Feb1814.D and keep left peak, new integration is from x, y = 6.908, 967.48535499227 to 7.040, 1394.8368102735 and new response = 545135, previous integration is from x, y = 6.908, 967 to 7.143, 1728 and previous response = 1147062.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:09:00 AM	Set UserAnnotation = CO for compound 4-Chloro-2-Methylphenol in sample Feb1814.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:09:02 AM	Split qualifier 144.0 of compound 4-Chloro-2-Methylphenol in sample Feb1814.D and keep left peak, new integration is from x, y = 6.906, 0.529107969690813 to 7.050, 279.498312033319 and new response = 143337, previous integration is from x, y = 6.906, 1 to 7.122, 419 and previous response = 301493.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:09:16 AM	Apply target integration range 8.159-8.302 to qualifier 153.1 for compound Acenaphthylene in sample Feb1814.D, new integration is from x, y = 8.159, 0 to 8.302, 1561 and new response = 298637; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 8:09:17 AM	Drop baseline for qualifier 153.1 of compound Acenaphthylene in sample Feb1814.D to y = 0, new integration is from x, y = 8.159, 0 to 8.302, 0 and new response = 305344; previous integration is from x, y = 8.159, 0 to 8.302, 1561 and previous response = 298637.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:09:24 AM	Apply target integration range 8.497-8.589 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1814.D, new integration is from x, y = 8.497, 3140 to 8.589, 1817 and new response = 58901; previous integration is from x, y = 8.384, 752 to 8.476, 831 and previous response = 1357916.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 8:09:25 AM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1814.D to y = 1817, new integration is from x, y = 8.497, 1817 to 8.589, 1817 and new response = 62556; previous integration is from x, y = 8.497, 3140 to 8.589, 1817 and previous response = 58901.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:09:48 AM	Apply target integration range 8.681-8.773 to qualifier 139.0 for compound 4-Nitrophenol in sample Feb1814.D, new integration is from x, y = 8.681, 2913 to 8.773, 2379 and new response = 56096; previous integration is from x, y = 8.599, 179 to 8.681, 337 and previous response = 881255.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:09:49 AM	Drop baseline for qualifier 139.0 of compound 4-Nitrophenol in sample Feb1814.D to y = 2379, new integration is from x, y = 8.681, 2379 to 8.773, 2379 and new response = 57571; previous integration is from x, y = 8.681, 2913 to 8.773, 2379 and previous response = 56096.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:10:01 AM	Split qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1814.D and keep right peak, new integration is from x, y = 8.650, 1740.5938769002 to 8.691, 1714.33065713944 and new response = 124191, previous integration is from x, y = 8.600, 1773 to 8.691, 1714 and previous response = 256681.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:10:06 AM	Apply target integration range 9.008-9.111 to qualifier 167.0 for compound Fluorene in sample Feb1814.D, new integration is from x, y = 9.008, 234 to 9.111, 684 and new response = 229798; previous integration is from x, y = 9.175, 629 to 9.356, 876 and previous response = 436648.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:10:07 AM	Drop baseline for qualifier 167.0 of compound Fluorene in sample Feb1814.D to y = 234, new integration is from x, y = 9.008, 234 to 9.111, 234 and new response = 231179; previous integration is from x, y = 9.008, 234 to 9.111, 684 and previous response = 229798.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:10:17 AM	Split qualifier 92.0 of compound 4-Nitroaniline in sample Feb1814.D and keep left peak, new integration is from x, y = 9.111, 955.934445068775 to 9.203, 1007.98147814414 and new response = 125922, previous integration is from x, y = 9.111, 956 to 9.254, 1037 and previous response = 144396.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:10:24 AM	Apply target integration range 9.111-9.244 to qualifier 121.0 for compound 4,6-Dinitro-2-methylphenol in sample Feb1814.D, new integration is from x, y = 9.111, 1090 to 9.244, 1460 and new response = 75058; previous integration is from x, y = 8.978, 1163 to 9.048, 1098 and previous response = 90206.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:10:24 AM	Drop baseline for qualifier 121.0 of compound 4,6-Dinitro-2-methylphenol in sample Feb1814.D to y = 1090, new integration is from x, y = 9.111, 1090 to 9.244, 1090 and new response = 76534; previous integration is from x, y = 9.111, 1090 to 9.244, 1460 and previous response = 75058.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 8:10:35 AM	Manually integrate compound Anthracene in sample Feb1814.D, from x, y = 10.120, 2562780 to 10.343, 2433380, result = -28318276; previous integration is from x, y = 10.151, 394 to 10.221, 558 and previous response = 2569196.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 8:10:36 AM	Snap baseline for compound Anthracene in sample Feb1814.D, from x = 10.120 to x = 10.343, new integration is from x, y = 10.120, 0 to 10.343, 5022 and new response = 5047481; previous integration is from x, y = 10.120, 2562780 to 10.343, 2433380 and previous response = -28318276.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:10:38 AM	Drop baseline for compound Anthracene in sample Feb1814.D to y = 0, new integration is from x, y = 10.120, 0 to 10.343, 0 and new response = 5081054; previous integration is from x, y = 10.120, 0 to 10.343, 5022 and previous response = 5047481.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:10:40 AM	Split peak for compound Anthracene in sample Feb1814.D and keep right peak, new integration is from x, y = 10.221, 0 to 10.343, 0 and new response = 2509281, previous integration is from x, y = 10.120, 0 to 10.343, 0 and previous response = 5081054.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:10:42 AM	Set UserAnnotation = CO for compound Anthracene in sample Feb1814.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:10:44 AM	Apply target integration range 10.221-10.343 to qualifier 176.0 for compound Anthracene in sample Feb1814.D, new integration is from x, y = 10.221, 1968 to 10.343, 666 and new response = 455594; previously no peak.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:10:46 AM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1814.D to y = 666, new integration is from x, y = 10.221, 666 to 10.343, 666 and new response = 460342; previous integration is from x, y = 10.221, 1968 to 10.343, 666 and previous response = 455594.			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 8:11:20 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:11:34 AM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1815.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:11:35 AM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1815.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:11:37 AM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1815.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:11:38 AM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1815.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:11:40 AM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1815.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:11:41 AM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1815.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:11:43 AM	Zero out primary peak of compound Benzidine in sample Feb1815.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:11:44 AM	Set UserAnnotation = INT for compound Benzidine in sample Feb1815.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:11:51 AM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1815.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:11:52 AM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1815.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:11:55 AM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1815.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:11:56 AM	Set UserAnnotation = INT for compound 4-Chlorophenol in sample Feb1815.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:12:19 AM	Apply target integration range 6.127-6.259 to qualifier 122.0 for compound Benzoic Acid in sample Feb1816.D, new integration is from x, y = 6.127, 3326 to 6.259, 2854 and new response = 68512; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:12:20 AM	Drop baseline for qualifier 122.0 of compound Benzoic Acid in sample Feb1816.D to y = 2854, new integration is from x, y = 6.127, 2854 to 6.259, 2854 and new response = 70416; previous integration is from x, y = 6.127, 3326 to 6.259, 2854 and previous response = 68512.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:12:24 AM	Apply target integration range 6.127-6.259 to qualifier 77.0 for compound Benzoic Acid in sample Feb1816.D, new integration is from x, y = 6.127, 3564 to 6.259, 3323 and new response = 68640; previous integration is from x, y = 6.362, 1310 to 6.596, 1176 and previous response = 16251.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:12:25 AM	Drop baseline for qualifier 77.0 of compound Benzoic Acid in sample Feb1816.D to y = 3323, new integration is from x, y = 6.127, 3323 to 6.259, 3323 and new response = 69612; previous integration is from x, y = 6.127, 3564 to 6.259, 3323 and previous response = 68640.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:12:33 AM	Split peak for compound Aniline in sample Feb1816.D and keep left peak, new integration is from x, y = 4.542, 562.246244262822 to 4.613, 710.138071246774 and new response = 718666, previous integration is from x, y = 4.542, 562 to 4.685, 858 and previous response = 1545797.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:12:35 AM	Set UserAnnotation = CO for compound Aniline in sample Feb1816.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:12:37 AM	Split qualifier 66.0 of compound Aniline in sample Feb1816.D and keep left peak, new integration is from x, y = 4.542, 908.460251802594 to 4.593, 977.166020505821 and new response = 241896, previous integration is from x, y = 4.542, 908 to 4.675, 1087 and previous response = 554534.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:12:41 AM	Split qualifier 66.0 of compound Phenol in sample Feb1816.D and keep right peak, new integration is from x, y = 4.593, 881.470052620352 to 4.675, 985.545034653547 and new response = 322980, previous integration is from x, y = 4.542, 816 to 4.675, 986 and previous response = 555248.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:12:50 AM	Split peak for compound bis(-2-Chloroethyl)Ether in sample Feb1816.D and keep left peak, new integration is from x, y = 4.603, 767.6000884179 to 4.675, 803.031130511276 and new response = 673446, previous integration is from x, y = 4.603, 768 to 4.715, 823 and previous response = 895912.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:12:51 AM	Set UserAnnotation = CO for compound bis(-2-Chloroethyl)Ether in sample Feb1816.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:13:10 AM	Split peak for compound 1,3-Dichlorobenzene in sample Feb1816.D and keep left peak, new integration is from x, y = 4.797, 7.41703124111518 to 4.879, 181.099767057415 and new response = 950762, previous integration is from x, y = 4.797, 7 to 4.981, 398 and previous response = 1874485.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:13:12 AM	Set UserAnnotation = CO for compound 1,3-Dichlorobenzene in sample Feb1816.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:13:15 AM	Split qualifier 148.0 of compound 1,3-Dichlorobenzene in sample Feb1816.D and keep left peak, new integration is from x, y = 4.798, 135.906725909192 to 4.879, 211.250254366495 and new response = 592225, previous integration is from x, y = 4.798, 136 to 4.981, 306 and previous response = 1189683.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:13:17 AM	Apply target integration range 4.797-4.879 to qualifier 111.0 for compound 1,3-Dichlorobenzene in sample Feb1816.D, new integration is from x, y = 4.797, 419 to 4.879, 1586 and new response = 347664; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:13:18 AM	Drop baseline for qualifier 111.0 of compound 1,3-Dichlorobenzene in sample Feb1816.D to y = 419, new integration is from x, y = 4.797, 419 to 4.879, 419 and new response = 350523; previous integration is from x, y = 4.797, 419 to 4.879, 1586 and previous response = 347664.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:13:23 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1816.D and keep right peak, new integration is from x, y = 4.879, 262.808583686012 to 4.981, 404.673543485436 and new response = 924293, previous integration is from x, y = 4.798, 150 to 4.981, 405 and previous response = 1873752.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:13:24 AM	Set UserAnnotation = CO for compound 1,4-Dichlorobenzene in sample Feb1816.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:13:26 AM	Apply target integration range 4.879-4.981 to qualifier 148.0 for compound 1,4-Dichlorobenzene in sample Feb1816.D, new integration is from x, y = 4.879, 2211 to 4.981, 1583 and new response = 587827; previous integration is from x, y = 4.798, 74 to 4.981, 192 and previous response = 1190611.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:13:28 AM	Apply target integration range 4.879-4.981 to qualifier 111.0 for compound 1,4-Dichlorobenzene in sample Feb1816.D, new integration is from x, y = 4.879, 1586 to 4.981, 1190 and new response = 334744; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:13:43 AM	Apply target integration range 5.032-5.134 to qualifier 111.0 for compound 1,2-Dichlorobenzene in sample Feb1816.D, new integration is from x, y = 5.032, 651 to 5.134, 959 and new response = 342078; previous integration is from x, y = 4.787, 0 to 5.134, 0 and previous response = 1045419.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:13:45 AM	Drop baseline for qualifier 111.0 of compound 1,2-Dichlorobenzene in sample Feb1816.D to y = 651, new integration is from x, y = 5.032, 651 to 5.134, 651 and new response = 343021; previous integration is from x, y = 5.032, 651 to 5.134, 959 and previous response = 342078.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:14:09 AM	Apply target integration range 6.383-6.475 to qualifier 128.0 for compound 4-Chlorophenol in sample Feb1816.D, new integration is from x, y = 6.383, 8666 to 6.475, 9272 and new response = 550684; previous integration is from x, y = 6.290, 750 to 6.393, 881 and previous response = 2092577.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 8:14:10 AM	Snap baseline for qualifier 128.0 of compound 4-Chlorophenol in sample Feb1816.D from x = 6.383 to x = 6.475, new integration is from x, y = 6.383, 8666 to 6.475, 9272 and new response = 550684; previous integration is from x, y = 6.383, 8666 to 6.475, 9272 and previous response = 550684.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:14:41 AM	Apply target integration range 6.393-6.506 to qualifier 129.0 for compound p-Chloroaniline in sample Feb1816.D, new integration is from x, y = 6.393, 1005 to 6.506, 2256 and new response = 230348; previous integration is from x, y = 6.290, 478 to 6.393, 528 and previous response = 230222.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:14:42 AM	Drop baseline for qualifier 129.0 of compound p-Chloroaniline in sample Feb1816.D to y = 1005, new integration is from x, y = 6.393, 1005 to 6.506, 1005 and new response = 234588; previous integration is from x, y = 6.393, 1005 to 6.506, 2256 and previous response = 230348.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:14:51 AM	Split peak for compound 4-Chloro-3-Methylphenol in sample Feb1816.D and keep right peak, new integration is from x, y = 7.030, 858.072905375134 to 7.204, 1188.84208316093 and new response = 585346, previous integration is from x, y = 6.910, 632 to 7.204, 1189 and previous response = 1129171.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:14:53 AM	Set UserAnnotation = CO for compound 4-Chloro-3-Methylphenol in sample Feb1816.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:14:55 AM	Apply target integration range 7.030-7.204 to qualifier 144.0 for compound 4-Chloro-3-Methylphenol in sample Feb1816.D, new integration is from x, y = 7.030, 1012 to 7.204, 969 and new response = 160137; previous integration is from x, y = 6.906, 0 to 7.194, 0 and previous response = 309240.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:14:56 AM	Drop baseline for qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1816.D to y = 969, new integration is from x, y = 7.030, 969 to 7.204, 969 and new response = 160362; previous integration is from x, y = 7.030, 1012 to 7.204, 969 and previous response = 160137.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:14:59 AM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1816.D and keep left peak, new integration is from x, y = 7.030, 969 to 7.132, 969 and new response = 149250, previous integration is from x, y = 7.030, 969 to 7.204, 969 and previous response = 160362.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:15:06 AM	Split peak for compound 1-Methylnaphthalene in sample Feb1816.D and keep left peak, new integration is from x, y = 7.225, 1340.6299673866 to 7.307, 1421.65113563999 and new response = 1067616, previous integration is from x, y = 7.225, 1341 to 7.369, 1482 and previous response = 1114062.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:15:07 AM	Set UserAnnotation = CO for compound 1-Methylnaphthalene in sample Feb1816.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:15:13 AM	Split peak for compound 4-Chloro-2-Methylphenol in sample Feb1816.D and keep left peak, new integration is from x, y = 6.913, 864.656257155675 to 7.030, 1369.55812097422 and new response = 541291, previous integration is from x, y = 6.913, 865 to 7.204, 2126 and previous response = 1119052.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:15:14 AM	Set UserAnnotation = CO for compound 4-Chloro-2-Methylphenol in sample Feb1816.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:15:16 AM	Split qualifier 144.0 of compound 4-Chloro-2-Methylphenol in sample Feb1816.D and keep left peak, new integration is from x, y = 6.906, 0 to 7.040, 0 and new response = 139820, previous integration is from x, y = 6.906, 0 to 7.194, 0 and previous response = 309240.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:15:23 AM	Split peak for compound 2,4,6-Trichlorophenol in sample Feb1816.D and keep left peak, new integration is from x, y = 7.492, 97.4827184916758 to 7.553, 139.739411974188 and new response = 416677, previous integration is from x, y = 7.492, 97 to 7.646, 203 and previous response = 839417.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:15:24 AM	Set UserAnnotation = CO for compound 2,4,6-Trichlorophenol in sample Feb1816.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:15:27 AM	Split qualifier 198.0 of compound 2,4,6-Trichlorophenol in sample Feb1816.D and keep left peak, new integration is from x, y = 7.492, 124.698110509121 to 7.553, 189.648178724791 and new response = 387646, previous integration is from x, y = 7.492, 125 to 7.646, 288 and previous response = 787188.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:15:31 AM	Split peak for compound 2,4,5-Trichlorophenol in sample Feb1816.D and keep right peak, new integration is from x, y = 7.553, 157.176911877619 to 7.646, 242.077048517593 and new response = 423746, previous integration is from x, y = 7.492, 101 to 7.646, 242 and previous response = 839225.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:15:32 AM	Set UserAnnotation = CO for compound 2,4,5-Trichlorophenol in sample Feb1816.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:15:35 AM	Split qualifier 198.0 of compound 2,4,5-Trichlorophenol in sample Feb1816.D and keep right peak, new integration is from x, y = 7.553, 154.124949081194 to 7.646, 236.314969910038 and new response = 401000, previous integration is from x, y = 7.492, 100 to 7.646, 236 and previous response = 787524.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:15:47 AM	Apply target integration range 8.159-8.313 to qualifier 153.1 for compound Acenaphthylene in sample Feb1816.D, new integration is from x, y = 8.159, 0 to 8.313, 1399 and new response = 292380; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:15:48 AM	Drop baseline for qualifier 153.1 of compound Acenaphthylene in sample Feb1816.D to y = 0, new integration is from x, y = 8.159, 0 to 8.313, 0 and new response = 298821; previous integration is from x, y = 8.159, 0 to 8.313, 1399 and previous response = 292380.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:16:09 AM	Apply target integration range 8.486-8.640 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1816.D, new integration is from x, y = 8.486, 3685 to 8.640, 1877 and new response = 55942; previous integration is from x, y = 8.384, 805 to 8.486, 854 and previous response = 1282555.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:16:10 AM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1816.D to y = 1877, new integration is from x, y = 8.486, 1877 to 8.640, 1877 and new response = 64266; previous integration is from x, y = 8.486, 3685 to 8.640, 1877 and previous response = 55942.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:16:16 AM	Apply target integration range 8.681-8.783 to qualifier 139.0 for compound 4-Nitrophenol in sample Feb1816.D, new integration is from x, y = 8.681, 2855 to 8.783, 1736 and new response = 56134; previous integration is from x, y = 8.600, 496 to 8.681, 657 and previous response = 825771.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:16:17 AM	Drop baseline for qualifier 139.0 of compound 4-Nitrophenol in sample Feb1816.D to y = 1736, new integration is from x, y = 8.681, 1736 to 8.783, 1736 and new response = 59569; previous integration is from x, y = 8.681, 2855 to 8.783, 1736 and previous response = 56134.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:16:22 AM	Split qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1816.D and keep right peak, new integration is from x, y = 8.650, 1297.72298541508 to 8.691, 1227.60781400793 and new response = 116034, previous integration is from x, y = 8.599, 1385 to 8.691, 1228 and previous response = 236402.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:16:28 AM	Apply target integration range 9.008-9.111 to qualifier 167.0 for compound Fluorene in sample Feb1816.D, new integration is from x, y = 9.008, 641 to 9.111, 765 and new response = 217193; previous integration is from x, y = 9.162, 0 to 9.366, 0 and previous response = 435003.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:16:29 AM	Drop baseline for qualifier 167.0 of compound Fluorene in sample Feb1816.D to y = 641, new integration is from x, y = 9.008, 641 to 9.111, 641 and new response = 217574; previous integration is from x, y = 9.008, 641 to 9.111, 765 and previous response = 217193.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:16:40 AM	Apply target integration range 9.244-9.315 to qualifier 51.0 for compound Azobenzene in sample Feb1816.D, new integration is from x, y = 9.244, 128352 to 9.315, 4185 and new response = 266235; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:16:42 AM	Drop baseline for qualifier 51.0 of compound Azobenzene in sample Feb1816.D to y = 4185, new integration is from x, y = 9.244, 4185 to 9.315, 4185 and new response = 533008; previous integration is from x, y = 9.244, 128352 to 9.315, 4185 and previous response = 266235.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 8:16:54 AM	Manually integrate compound Anthracene in sample Feb1816.D, from x, y = 10.171, 1112949 to 10.302, 1357797, result = -4978786; previous integration is from x, y = 10.151, 291 to 10.221, 451 and previous response = 2456977.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 8:16:56 AM	Manually integrate compound Anthracene in sample Feb1816.D, from x, y = 10.110, 962426 to 10.302, 977082, result = -6393765; previous integration is from x, y = 10.171, 1112949 to 10.302, 1357797 and previous response = -4978786.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 8:16:59 AM	Snap baseline for compound Anthracene in sample Feb1816.D, from x = 10.110 to x = 10.302, new integration is from x, y = 10.110, 0 to 10.302, 8942 and new response = 4751393; previous integration is from x, y = 10.110, 962426 to 10.302, 977082 and previous response = -6393765.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:17:00 AM	Drop baseline for compound Anthracene in sample Feb1816.D to y = 0, new integration is from x, y = 10.110, 0 to 10.302, 0 and new response = 4803015; previous integration is from x, y = 10.110, 0 to 10.302, 8942 and previous response = 4751393.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:17:04 AM	Split peak for compound Anthracene in sample Feb1816.D and keep right peak, new integration is from x, y = 10.221, 0 to 10.302, 0 and new response = 2343786, previous integration is from x, y = 10.110, 0 to 10.302, 0 and previous response = 4803015.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:17:05 AM	Set UserAnnotation = CO for compound Anthracene in sample Feb1816.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:17:08 AM	Apply target integration range 10.221-10.302 to qualifier 176.0 for compound Anthracene in sample Feb1816.D, new integration is from x, y = 10.221, 1779 to 10.302, 2065 and new response = 414317; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:17:09 AM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1816.D to y = 1779, new integration is from x, y = 10.221, 1779 to 10.302, 1779 and new response = 415012; previous integration is from x, y = 10.221, 1779 to 10.302, 2065 and previous response = 414317.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:18:10 AM	Split peak for compound Aniline in sample Feb1817.D and keep left peak, new integration is from x, y = 4.535, 537.273864769506 to 4.613, 712.690282694734 and new response = 856490, previous integration is from x, y = 4.535, 537 to 4.685, 872 and previous response = 1731938.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:18:11 AM	Set UserAnnotation = CO for compound Aniline in sample Feb1817.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:18:13 AM	Split qualifier 66.0 of compound Aniline in sample Feb1817.D and keep left peak, new integration is from x, y = 4.532, 556.273539422227 to 4.593, 629.369220682137 and new response = 295284, previous integration is from x, y = 4.532, 556 to 4.674, 728 and previous response = 642663.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:18:17 AM	Split qualifier 66.0 of compound Phenol in sample Feb1817.D and keep right peak, new integration is from x, y = 4.593, 629.369220682137 to 4.674, 728.214746071399 and new response = 347597, previous integration is from x, y = 4.532, 556 to 4.674, 728 and previous response = 642663.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:18:23 AM	Split peak for compound bis(-2-Chloroethyl)Ether in sample Feb1817.D and keep left peak, new integration is from x, y = 4.593, 837.381142486636 to 4.674, 878.735814636096 and new response = 706215, previous integration is from x, y = 4.593, 837 to 4.715, 899 and previous response = 945289.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:18:24 AM	Set UserAnnotation = CO for compound bis(-2-Chloroethyl)Ether in sample Feb1817.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:18:31 AM	Split peak for compound 1,3-Dichlorobenzene in sample Feb1817.D and keep left peak, new integration is from x, y = 4.797, 0 to 4.879, 0 and new response = 921522, previous integration is from x, y = 4.797, 0 to 4.981, 0 and previous response = 1852568.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:18:33 AM	Set UserAnnotation = CO for compound 1,3-Dichlorobenzene in sample Feb1817.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:18:35 AM	Split qualifier 148.0 of compound 1,3-Dichlorobenzene in sample Feb1817.D and keep left peak, new integration is from x, y = 4.799, 293.642373473793 to 4.879, 452.223331550773 and new response = 590778, previous integration is from x, y = 4.799, 294 to 4.971, 635 and previous response = 1178021.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/20/2022 8:18:37 AM	Manually integrate qualifier 111.0 of compound 1,3-Dichlorobenzene in sample Feb1817.D, from x, y = 4.664, 321744 to 4.685, 321744, result = 671159; previous integration is from x, y = 4.799, 262 to 4.971, 466 and previous response = 671159.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:18:38 AM	Split qualifier 111.0 of compound 1,3-Dichlorobenzene in sample Feb1817.D and keep left peak, new integration is from x, y = 4.799, 262.416487236225 to 4.868, 344.551159345826 and new response = 336996, previous integration is from x, y = 4.799, 262 to 4.971, 466 and previous response = 671159.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:18:42 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1817.D and keep right peak, new integration is from x, y = 4.879, 0 to 4.981, 0 and new response = 931046, previous integration is from x, y = 4.797, 0 to 4.981, 0 and previous response = 1852568.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:18:43 AM	Set UserAnnotation = CO for compound 1,4-Dichlorobenzene in sample Feb1817.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:18:45 AM	Split qualifier 148.0 of compound 1,4-Dichlorobenzene in sample Feb1817.D and keep right peak, new integration is from x, y = 4.879, 0 to 4.971, 0 and new response = 590485, previous integration is from x, y = 4.797, 0 to 4.971, 0 and previous response = 1183081.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:18:47 AM	Split qualifier 111.0 of compound 1,4-Dichlorobenzene in sample Feb1817.D and keep right peak, new integration is from x, y = 4.868, 308.34900909994 to 4.971, 399.994118548128 and new response = 334647, previous integration is from x, y = 4.799, 246 to 4.971, 400 and previous response = 671572.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:19:43 AM	Apply target integration range 6.392-6.485 to qualifier 128.0 for compound 4-Chlorophenol in sample Feb1817.D, new integration is from x, y = 6.392, 7675 to 6.485, 8357 and new response = 628651; previous integration is from x, y = 6.300, 655 to 6.393, 769 and previous response = 2192240.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:19:44 AM	Drop baseline for qualifier 128.0 of compound 4-Chlorophenol in sample Feb1817.D to y = 7675, new integration is from x, y = 6.392, 7675 to 6.485, 7675 and new response = 630552; previous integration is from x, y = 6.392, 7675 to 6.485, 8357 and previous response = 628651.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:19:49 AM	Apply target integration range 6.393-6.485 to qualifier 129.0 for compound p-Chloroaniline in sample Feb1817.D, new integration is from x, y = 6.393, 882 to 6.485, 6336 and new response = 258847; previous integration is from x, y = 6.295, 371 to 6.393, 419 and previous response = 240954.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:19:50 AM	Drop baseline for qualifier 129.0 of compound p-Chloroaniline in sample Feb1817.D to y = 882, new integration is from x, y = 6.393, 882 to 6.485, 882 and new response = 273968; previous integration is from x, y = 6.393, 882 to 6.485, 6336 and previous response = 258847.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:19:57 AM	Split peak for compound 4-Chloro-3-Methylphenol in sample Feb1817.D and keep right peak, new integration is from x, y = 7.040, 595.761789206531 to 7.204, 809.677110955985 and new response = 636364, previous integration is from x, y = 6.899, 413 to 7.204, 810 and previous response = 1237625.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:19:58 AM	Set UserAnnotation = CO for compound 4-Chloro-3-Methylphenol in sample Feb1817.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:20:01 AM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1817.D and keep right peak, new integration is from x, y = 7.030, 210.676134386455 to 7.204, 373.252106428598 and new response = 178411, previous integration is from x, y = 6.917, 105 to 7.204, 373 and previous response = 313851.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:20:02 AM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1817.D and keep left peak, new integration is from x, y = 7.030, 210.676134386455 to 7.132, 306.312710971055 and new response = 162506, previous integration is from x, y = 7.030, 211 to 7.204, 373 and previous response = 178411.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:20:10 AM	Split peak for compound 1-Methylnaphthalene in sample Feb1817.D and keep left peak, new integration is from x, y = 7.225, 1132.92840981687 to 7.307, 1119.55229148473 and new response = 1169318, previous integration is from x, y = 7.225, 1133 to 7.379, 1108 and previous response = 1222718.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:20:11 AM	Set UserAnnotation = CO for compound 1-Methylnaphthalene in sample Feb1817.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:20:16 AM	Split peak for compound 4-Chloro-2-Methylphenol in sample Feb1817.D and keep left peak, new integration is from x, y = 6.907, 845.387459876703 to 7.040, 1449.29087091686 and new response = 596161, previous integration is from x, y = 6.907, 845 to 7.204, 2197 and previous response = 1221194.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:20:18 AM	Set UserAnnotation = CO for compound 4-Chloro-2-Methylphenol in sample Feb1817.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:20:21 AM	Split qualifier 144.0 of compound 4-Chloro-2-Methylphenol in sample Feb1817.D and keep left peak, new integration is from x, y = 6.917, 169.646929960382 to 7.030, 294.412148464733 and new response = 150517, previous integration is from x, y = 6.917, 170 to 7.204, 487 and previous response = 312354.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:20:27 AM	Split peak for compound 2,4,6-Trichlorophenol in sample Feb1817.D and keep left peak, new integration is from x, y = 7.492, 146.484346869916 to 7.553, 230.95046238961 and new response = 452699, previous integration is from x, y = 7.492, 146 to 7.646, 358 and previous response = 897013.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:20:28 AM	Set UserAnnotation = CO for compound 2,4,6-Trichlorophenol in sample Feb1817.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:20:30 AM	Split qualifier 198.0 of compound 2,4,6-Trichlorophenol in sample Feb1817.D and keep left peak, new integration is from x, y = 7.492, 130.811405715778 to 7.553, 202.38233521378 and new response = 436419, previous integration is from x, y = 7.492, 131 to 7.646, 310 and previous response = 864142.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:20:35 AM	Split peak for compound 2,4,5-Trichlorophenol in sample Feb1817.D and keep right peak, new integration is from x, y = 7.553, 159.055444907107 to 7.646, 242.676040630622 and new response = 446352, previous integration is from x, y = 7.492, 103 to 7.646, 243 and previous response = 897717.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:20:36 AM	Set UserAnnotation = CO for compound 2,4,5-Trichlorophenol in sample Feb1817.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:20:39 AM	Split qualifier 198.0 of compound 2,4,5-Trichlorophenol in sample Feb1817.D and keep right peak, new integration is from x, y = 7.553, 174.654191208991 to 7.646, 282.473609126646 and new response = 429093, previous integration is from x, y = 7.492, 103 to 7.646, 282 and previous response = 864382.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:20:47 AM	Apply target integration range 8.169-8.312 to qualifier 153.1 for compound Acenaphthylene in sample Feb1817.D, new integration is from x, y = 8.169, 0 to 8.312, 1156 and new response = 319409; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:20:48 AM	Drop baseline for qualifier 153.1 of compound Acenaphthylene in sample Feb1817.D to y = 0, new integration is from x, y = 8.169, 0 to 8.312, 0 and new response = 324377; previous integration is from x, y = 8.169, 0 to 8.312, 1156 and previous response = 319409.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:20:56 AM	Split qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1817.D and keep right peak, new integration is from x, y = 8.476, 902.230707341826 to 8.548, 973.072413502794 and new response = 76208, previous integration is from x, y = 8.384, 811 to 8.548, 973 and previous response = 1444207.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:21:02 AM	Apply target integration range 8.673-8.793 to qualifier 139.0 for compound 4-Nitrophenol in sample Feb1817.D, new integration is from x, y = 8.673, 2940 to 8.793, 1744 and new response = 66091; previous integration is from x, y = 8.600, 602 to 8.691, 805 and previous response = 866234.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:21:03 AM	Drop baseline for qualifier 139.0 of compound 4-Nitrophenol in sample Feb1817.D to y = 1744, new integration is from x, y = 8.673, 1744 to 8.793, 1744 and new response = 70579; previous integration is from x, y = 8.673, 2940 to 8.793, 1744 and previous response = 66091.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:21:09 AM	Apply target integration range 8.630-8.722 to qualifier 63.0 for compound 2,4-Dinitrotoluene in sample Feb1817.D, new integration is from x, y = 8.630, 156096 to 8.722, 7882 and new response = -237745; previous integration is from x, y = 8.599, 1937 to 8.742, 1695 and previous response = 281659.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/20/2022 8:21:14 AM	Manually integrate qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1817.D, from x, y = 8.650, 4473 to 8.691, 3410, result = 125000; previous integration is from x, y = 8.630, 156096 to 8.722, 7882 and previous response = -237745.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:21:15 AM	Drop baseline for qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1817.D to y = 3410, new integration is from x, y = 8.650, 3410 to 8.691, 3410 and new response = 126305; previous integration is from x, y = 8.650, 4473 to 8.691, 3410 and previous response = 125000.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:21:27 AM	Apply target integration range 9.131-9.203 to qualifier 121.0 for compound 4,6-Dinitro-2-methylphenol in sample Feb1817.D, new integration is from x, y = 9.131, 1667 to 9.203, 1897 and new response = 72788; previous integration is from x, y = 8.978, 1147 to 9.059, 1091 and previous response = 89986.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:21:28 AM	Drop baseline for qualifier 121.0 of compound 4,6-Dinitro-2-methylphenol in sample Feb1817.D to y = 1667, new integration is from x, y = 9.131, 1667 to 9.203, 1667 and new response = 73282; previous integration is from x, y = 9.131, 1667 to 9.203, 1897 and previous response = 72788.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 8:21:51 AM	Manually integrate compound Anthracene in sample Feb1817.D, from x, y = 10.120, 2168701 to 10.343, 2297751, result = -24831555; previous integration is from x, y = 10.150, 432 to 10.221, 596 and previous response = 2554889.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 8:21:52 AM	Snap baseline for compound Anthracene in sample Feb1817.D, from x = 10.120 to x = 10.343, new integration is from x, y = 10.120, 0 to 10.343, 4205 and new response = 4996333; previous integration is from x, y = 10.120, 2168701 to 10.343, 2297751 and previous response = -24831555.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:21:53 AM	Drop baseline for compound Anthracene in sample Feb1817.D to y = 0, new integration is from x, y = 10.120, 0 to 10.343, 0 and new response = 5024442; previous integration is from x, y = 10.120, 0 to 10.343, 4205 and previous response = 4996333.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:21:55 AM	Split peak for compound Anthracene in sample Feb1817.D and keep right peak, new integration is from x, y = 10.221, 0 to 10.343, 0 and new response = 2466442, previous integration is from x, y = 10.120, 0 to 10.343, 0 and previous response = 5024442.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:21:56 AM	Set UserAnnotation = CO for compound Anthracene in sample Feb1817.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:21:59 AM	Apply target integration range 10.221-10.343 to qualifier 176.0 for compound Anthracene in sample Feb1817.D, new integration is from x, y = 10.221, 1952 to 10.343, 1306 and new response = 441665; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:22:00 AM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1817.D to y = 1306, new integration is from x, y = 10.221, 1306 to 10.343, 1306 and new response = 444020; previous integration is from x, y = 10.221, 1952 to 10.343, 1306 and previous response = 441665.			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 8:22:34 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:24:07 AM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1818.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:24:09 AM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1818.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:24:11 AM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1818.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:24:12 AM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1818.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:24:14 AM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1818.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:24:16 AM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1818.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:24:18 AM	Zero out primary peak of compound Benzidine in sample Feb1818.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:24:19 AM	Set UserAnnotation = INT for compound Benzidine in sample Feb1818.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:24:21 AM	Zero out primary peak of compound 2,4-Dinitrophenol in sample Feb1818.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:24:23 AM	Set UserAnnotation = INT for compound 2,4-Dinitrophenol in sample Feb1818.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:24:25 AM	Zero out primary peak of compound 2-Nitroaniline in sample Feb1818.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:24:26 AM	Set UserAnnotation = INT for compound 2-Nitroaniline in sample Feb1818.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:24:29 AM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1818.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:24:29 AM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1818.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:24:32 AM	Zero out primary peak of compound bis(-2-Chloroethyl)Ether in sample Feb1818.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:24:33 AM	Set UserAnnotation = INT for compound bis(-2-Chloroethyl)Ether in sample Feb1818.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:24:35 AM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1818.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:24:36 AM	Set UserAnnotation = INT for compound 4-Chlorophenol in sample Feb1818.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:25:06 AM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1819.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:25:07 AM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1819.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:25:17 AM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1819.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:25:18 AM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1819.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:25:20 AM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1819.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:25:21 AM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1819.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:25:23 AM	Zero out primary peak of compound Benzidine in sample Feb1819.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:25:24 AM	Set UserAnnotation = INT for compound Benzidine in sample Feb1819.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:25:27 AM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1819.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:25:28 AM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1819.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:25:30 AM	Zero out primary peak of compound bis(2-ethylhexyl)Phthalate in sample Feb1819.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:25:31 AM	Set UserAnnotation = INT for compound bis(2-ethylhexyl)Phthalate in sample Feb1819.D; previous value =			✓	
CmdClearManualIntegration	BL2000\sean	2/20/2022 8:25:33 AM	Clear manual integration of target signal for compound bis(2-ethylhexyl)Phthalate in sample Feb1819.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:25:33 AM	Set UserAnnotation = for compound bis(2-ethylhexyl)Phthalate in sample Feb1819.D; previous value = INT			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/20/2022 8:25:36 AM	Manually integrate qualifier279.0 of compound bis(2-ethylhexyl)Phthalate in sample Feb1819.D from x, y = 16.340, 0 to 16.381, 0; result = 524			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:25:40 AM	Zero out primary peak of compound 2,4-Dinitrotoluene in sample Feb1819.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:25:41 AM	Set UserAnnotation = INT for compound 2,4-Dinitrotoluene in sample Feb1819.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:25:43 AM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1819.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:25:44 AM	Set UserAnnotation = INT for compound 4-Chlorophenol in sample Feb1819.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:25:59 AM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1820.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:00 AM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1820.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:02 AM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1820.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:03 AM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1820.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:06 AM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1820.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:07 AM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1820.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:08 AM	Zero out primary peak of compound Benzidine in sample Feb1820.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:10 AM	Set UserAnnotation = INT for compound Benzidine in sample Feb1820.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:12 AM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1820.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:13 AM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1820.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:15 AM	Zero out primary peak of compound bis(-2-Chloroethyl)Ether in sample Feb1820.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:16 AM	Set UserAnnotation = INT for compound bis(-2-Chloroethyl)Ether in sample Feb1820.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:18 AM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1820.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:19 AM	Set UserAnnotation = INT for compound 4-Chlorophenol in sample Feb1820.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:26 AM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1821.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:27 AM	Set UserAnnotation = INT for compound 4-Chlorophenol in sample Feb1821.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:30 AM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1821.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:31 AM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1821.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:33 AM	Zero out primary peak of compound Benzidine in sample Feb1821.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:35 AM	Set UserAnnotation = INT for compound Benzidine in sample Feb1821.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:37 AM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1821.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:38 AM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1821.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:40 AM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1821.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:41 AM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1821.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:43 AM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1821.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:26:44 AM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1821.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:26:59 AM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1822.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:27:00 AM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1822.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:27:02 AM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1822.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:27:03 AM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1822.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:27:05 AM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1822.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:27:06 AM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1822.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:27:08 AM	Zero out primary peak of compound Benzidine in sample Feb1822.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:27:09 AM	Set UserAnnotation = INT for compound Benzidine in sample Feb1822.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:27:11 AM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1822.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:27:12 AM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1822.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:27:14 AM	Zero out primary peak of compound 2,4-Dinitrotoluene in sample Feb1822.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:27:16 AM	Set UserAnnotation = INT for compound 2,4-Dinitrotoluene in sample Feb1822.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:27:18 AM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1822.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:27:19 AM	Set UserAnnotation = INT for compound 4-Chlorophenol in sample Feb1822.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:27:41 AM	Split qualifier 66.0 of compound Phenol in sample Feb1823.D and keep left peak, new integration is from x, y = 4.583, 787.955061568876 to 4.664, 902.949357111904 and new response = 279652, previous integration is from x, y = 4.583, 788 to 4.746, 1018 and previous response = 321839.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 8:27:52 AM	Manually integrate compound 1,2-Dichlorobenzene in sample Feb1823.D, from x, y = 5.032, 470000 to 5.093, 528894, result = -1023722; previous integration is from x, y = 4.879, 191 to 4.971, 227 and previous response = 806277.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 8:27:53 AM	Snap baseline for compound 1,2-Dichlorobenzene in sample Feb1823.D, from x = 5.032 to x = 5.093, new integration is from x, y = 5.032, 3445 to 5.093, 7494 and new response = 792139; previous integration is from x, y = 5.032, 470000 to 5.093, 528894 and previous response = -1023722.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:27:54 AM	Drop baseline for compound 1,2-Dichlorobenzene in sample Feb1823.D to y = 3445, new integration is from x, y = 5.032, 3445 to 5.093, 3445 and new response = 799581; previous integration is from x, y = 5.032, 3445 to 5.093, 7494 and previous response = 792139.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:27:55 AM	Set UserAnnotation = CO for compound 1,2-Dichlorobenzene in sample Feb1823.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:27:57 AM	Apply target integration range 5.032-5.093 to qualifier 148.0 for compound 1,2-Dichlorobenzene in sample Feb1823.D, new integration is from x, y = 5.032, 1863 to 5.093, 5215 and new response = 512661; previously no peak.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:28:01 AM	Apply target integration range 5.032-5.093 to qualifier 111.0 for compound 1,2-Dichlorobenzene in sample Feb1823.D, new integration is from x, y = 5.032, 1616 to 5.093, 3431 and new response = 295033; previously no peak.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:28:07 AM	Split peak for compound Benzyl Alcohol in sample Feb1823.D and keep left peak, new integration is from x, y = 5.044, 941.364351010488 to 5.185, 2346.49596638186 and new response = 317983, previous integration is from x, y = 5.044, 941 to 5.318, 3668 and previous response = 1018362.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:28:10 AM	Set UserAnnotation = CO for compound Benzyl Alcohol in sample Feb1823.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:28:17 AM	Split qualifier 108.0 of compound 2-Methylphenol in sample Feb1823.D and keep right peak, new integration is from x, y = 5.185, 1228.91666909288 to 5.318, 1952.18638140104 and new response = 711999, previous integration is from x, y = 5.037, 422 to 5.318, 1952 and previous response = 1036805.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:28:35 AM	Apply target integration range 6.393-6.506 to qualifier 129.0 for compound p-Chloroaniline in sample Feb1823.D, new integration is from x, y = 6.393, 873 to 6.506, 2745 and new response = 217456; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:28:36 AM	Drop baseline for qualifier 129.0 of compound p-Chloroaniline in sample Feb1823.D to y = 873, new integration is from x, y = 6.393, 873 to 6.506, 873 and new response = 223800; previous integration is from x, y = 6.393, 873 to 6.506, 2745 and previous response = 217456.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 8:28:49 AM	Manually integrate compound 2,4,5-Trichlorophenol in sample Feb1823.D, from x, y = 7.461, 259591 to 7.728, 292164, result = -3561661; previous integration is from x, y = 7.492, 104 to 7.564, 169 and previous response = 418967.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 8:28:50 AM	Snap baseline for compound 2,4,5-Trichlorophenol in sample Feb1823.D, from x = 7.461 to x = 7.728, new integration is from x, y = 7.461, 0 to 7.728, 2446 and new response = 838577; previous integration is from x, y = 7.461, 259591 to 7.728, 292164 and previous response = -3561661.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:28:51 AM	Drop baseline for compound 2,4,5-Trichlorophenol in sample Feb1823.D to y = 0, new integration is from x, y = 7.461, 0 to 7.728, 0 and new response = 858171; previous integration is from x, y = 7.461, 0 to 7.728, 2446 and previous response = 838577.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:28:52 AM	Split peak for compound 2,4,5-Trichlorophenol in sample Feb1823.D and keep right peak, new integration is from x, y = 7.564, 0 to 7.728, 0 and new response = 437278, previous integration is from x, y = 7.461, 0 to 7.728, 0 and previous response = 858171.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:28:54 AM	Set UserAnnotation = CO for compound 2,4,5-Trichlorophenol in sample Feb1823.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:28:56 AM	Apply target integration range 7.564-7.728 to qualifier 198.0 for compound 2,4,5-Trichlorophenol in sample Feb1823.D, new integration is from x, y = 7.564, 5823 to 7.728, 2426 and new response = 381249; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:28:57 AM	Drop baseline for qualifier 198.0 of compound 2,4,5-Trichlorophenol in sample Feb1823.D to y = 2426, new integration is from x, y = 7.564, 2426 to 7.728, 2426 and new response = 397995; previous integration is from x, y = 7.564, 5823 to 7.728, 2426 and previous response = 381249.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:29:05 AM	Apply target integration range 8.169-8.323 to qualifier 153.1 for compound Acenaphthylene in sample Feb1823.D, new integration is from x, y = 8.169, 279 to 8.323, 1205 and new response = 276362; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:29:07 AM	Drop baseline for qualifier 153.1 of compound Acenaphthylene in sample Feb1823.D to y = 279, new integration is from x, y = 8.169, 279 to 8.323, 279 and new response = 280625; previous integration is from x, y = 8.169, 279 to 8.323, 1205 and previous response = 276362.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:29:16 AM	Apply target integration range 8.497-8.660 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1823.D, new integration is from x, y = 8.497, 3453 to 8.660, 1809 and new response = 60575; previous integration is from x, y = 8.384, 922 to 8.486, 937 and previous response = 1246308.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:29:17 AM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1823.D to y = 1809, new integration is from x, y = 8.497, 1809 to 8.660, 1809 and new response = 68648; previous integration is from x, y = 8.497, 3453 to 8.660, 1809 and previous response = 60575.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:29:22 AM	Apply target integration range 8.691-8.834 to qualifier 139.0 for compound 4-Nitrophenol in sample Feb1823.D, new integration is from x, y = 8.691, 1990 to 8.834, 1299 and new response = 66087; previous integration is from x, y = 8.599, 313 to 8.691, 490 and previous response = 819975.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:29:23 AM	Drop baseline for qualifier 139.0 of compound 4-Nitrophenol in sample Feb1823.D to y = 1299, new integration is from x, y = 8.691, 1299 to 8.834, 1299 and new response = 69056; previous integration is from x, y = 8.691, 1990 to 8.834, 1299 and previous response = 66087.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/20/2022 8:29:30 AM	Manually integrate qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1823.D, from x, y = 8.650, 6352 to 8.701, 8246, result = 117776; previous integration is from x, y = 8.599, 1803 to 8.742, 1572 and previous response = 275305.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:29:35 AM	Apply target integration range 9.008-9.110 to qualifier 167.0 for compound Fluorene in sample Feb1823.D, new integration is from x, y = 9.008, 361 to 9.110, 253 and new response = 220984; previous integration is from x, y = 9.182, 531 to 9.366, 704 and previous response = 441360.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:29:36 AM	Drop baseline for qualifier 167.0 of compound Fluorene in sample Feb1823.D to y = 253, new integration is from x, y = 9.008, 253 to 9.110, 253 and new response = 221315; previous integration is from x, y = 9.008, 361 to 9.110, 253 and previous response = 220984.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:29:47 AM	Apply target integration range 9.121-9.223 to qualifier 121.0 for compound 4,6-Dinitro-2-methylphenol in sample Feb1823.D, new integration is from x, y = 9.121, 915 to 9.223, 2254 and new response = 76997; previous integration is from x, y = 8.978, 1144 to 9.059, 1075 and previous response = 88748.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:29:48 AM	Drop baseline for qualifier 121.0 of compound 4,6-Dinitro-2-methylphenol in sample Feb1823.D to y = 915, new integration is from x, y = 9.121, 915 to 9.223, 915 and new response = 81107; previous integration is from x, y = 9.121, 915 to 9.223, 2254 and previous response = 76997.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/20/2022 8:29:54 AM	Manually integrate qualifier 167.0 of compound N-nitrosodiphenylamine in sample Feb1823.D, from x, y = 9.172, 72571 to 9.284, 103277, result = -158877; previous integration is from x, y = 8.990, 143 to 9.366, 308 and previous response = 668960.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 8:29:55 AM	Snap baseline for qualifier 167.0 of compound N-nitrosodiphenylamine in sample Feb1823.D from x = 9.172 to x = 9.284, new integration is from x, y = 9.172, 763 to 9.284, 2165 and new response = 424903; previous integration is from x, y = 9.172, 72571 to 9.284, 103277 and previous response = -158877.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:30:00 AM	Apply target integration range 9.243-9.325 to qualifier 51.0 for compound Azobenzene in sample Feb1823.D, new integration is from x, y = 9.243, 125704 to 9.325, 3967 and new response = 232937; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:30:01 AM	Drop baseline for qualifier 51.0 of compound Azobenzene in sample Feb1823.D to y = 3967, new integration is from x, y = 9.243, 3967 to 9.325, 3967 and new response = 531801; previous integration is from x, y = 9.243, 125704 to 9.325, 3967 and previous response = 232937.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 8:30:08 AM	Manually integrate compound Anthracene in sample Feb1823.D, from x, y = 10.140, 1928563 to 10.323, 1964068, result = -16386122; previous integration is from x, y = 10.151, 337 to 10.221, 501 and previous response = 2476903.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 8:30:09 AM	Snap baseline for compound Anthracene in sample Feb1823.D, from x = 10.140 to x = 10.323, new integration is from x, y = 10.140, 270 to 10.323, 8075 and new response = 4858982; previous integration is from x, y = 10.140, 1928563 to 10.323, 1964068 and previous response = -16386122.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 8:30:10 AM	Drop baseline for compound Anthracene in sample Feb1823.D to y = 270, new integration is from x, y = 10.140, 270 to 10.323, 270 and new response = 4901671; previous integration is from x, y = 10.140, 270 to 10.323, 8075 and previous response = 4858982.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:30:11 AM	Split peak for compound Anthracene in sample Feb1823.D and keep right peak, new integration is from x, y = 10.221, 270 to 10.323, 270 and new response = 2424090, previous integration is from x, y = 10.140, 270 to 10.323, 270 and previous response = 4901671.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:30:13 AM	Apply target integration range 10.221-10.323 to qualifier 176.0 for compound Anthracene in sample Feb1823.D, new integration is from x, y = 10.221, 2038 to 10.323, 3062 and new response = 424535; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 8:30:14 AM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1823.D to y = 2038, new integration is from x, y = 10.221, 2038 to 10.323, 2038 and new response = 427647; previous integration is from x, y = 10.221, 2038 to 10.323, 3062 and previous response = 424535.			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:30:50 AM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1824.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:30:51 AM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1824.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:30:53 AM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1824.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:30:54 AM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1824.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:30:57 AM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1824.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:30:58 AM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1824.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:31:00 AM	Zero out primary peak of compound Benzidine in sample Feb1824.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:31:01 AM	Set UserAnnotation = INT for compound Benzidine in sample Feb1824.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:31:03 AM	Zero out primary peak of compound bis(2-ethylhexyl)Phthalate in sample Feb1824.D			✓	
CmdClearManualIntegration	BL2000\sean	2/20/2022 8:31:06 AM	Clear manual integration of target signal for compound bis(2-ethylhexyl)Phthalate in sample Feb1824.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 8:31:08 AM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1824.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:31:09 AM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1824.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:31:28 AM	Split peak for compound Aniline in sample Feb1825.D and keep left peak, new integration is from x, y = 4.532, 381.783827383857 to 4.613, 742.24665443615 and new response = 1472122, previous integration is from x, y = 4.532, 382 to 4.675, 1013 and previous response = 2405967.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:31:29 AM	Set UserAnnotation = CO for compound Aniline in sample Feb1825.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:31:35 AM	Split peak for compound bis(-2-Chloroethyl)Ether in sample Feb1825.D and keep left peak, new integration is from x, y = 4.593, 817.908389296546 to 4.675, 909.046188105366 and new response = 816449, previous integration is from x, y = 4.593, 818 to 4.715, 955 and previous response = 1118099.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:31:36 AM	Set UserAnnotation = CO for compound bis(-2-Chloroethyl)Ether in sample Feb1825.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:31:45 AM	Split peak for compound 1,3-Dichlorobenzene in sample Feb1825.D and keep left peak, new integration is from x, y = 4.787, 0 to 4.879, 0 and new response = 1261148, previous integration is from x, y = 4.787, 0 to 5.134, 0 and previous response = 3741179.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:31:47 AM	Set UserAnnotation = CO for compound 1,3-Dichlorobenzene in sample Feb1825.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:31:49 AM	Apply target integration range 4.787-4.879 to qualifier 148.0 for compound 1,3-Dichlorobenzene in sample Feb1825.D, new integration is from x, y = 4.787, 0 to 4.879, 3401 and new response = 791485; previous integration is from x, y = 4.797, 10 to 5.124, 919 and previous response = 2364953.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:31:50 AM	Apply target integration range 4.787-4.879 to qualifier 111.0 for compound 1,3-Dichlorobenzene in sample Feb1825.D, new integration is from x, y = 4.787, 0 to 4.879, 3595 and new response = 455837; previous integration is from x, y = 4.797, 0 to 5.124, 0 and previous response = 1390538.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:31:55 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1825.D and keep left peak, new integration is from x, y = 4.795, 305.369663491441 to 4.879, 477.247640543239 and new response = 1259093, previous integration is from x, y = 4.795, 305 to 5.134, 998 and previous response = 3727760.			✓	
CmdClearManualIntegration	BL2000\sean	2/20/2022 8:31:58 AM	Clear manual integration of target signal for compound 1,4-Dichlorobenzene in sample Feb1825.D			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:32:00 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1825.D and keep right peak, new integration is from x, y = 4.879, 477.247640543239 to 5.134, 998.496794945521 and new response = 2468727, previous integration is from x, y = 4.795, 305 to 5.134, 998 and previous response = 3727760.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:32:01 AM	Split peak for compound 1,4-Dichlorobenzene in sample Feb1825.D and keep left peak, new integration is from x, y = 4.879, 477.247640543239 to 5.032, 789.997133184608 and new response = 1299176, previous integration is from x, y = 4.879, 477 to 5.134, 998 and previous response = 2468727.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:32:03 AM	Set UserAnnotation = CO for compound 1,4-Dichlorobenzene in sample Feb1825.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:32:05 AM	Apply target integration range 4.879-5.032 to qualifier 148.0 for compound 1,4-Dichlorobenzene in sample Feb1825.D, new integration is from x, y = 4.879, 3401 to 5.032, 2402 and new response = 802398; previous integration is from x, y = 4.797, 83 to 5.124, 372 and previous response = 2369645.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:32:06 AM	Apply target integration range 4.879-5.032 to qualifier 111.0 for compound 1,4-Dichlorobenzene in sample Feb1825.D, new integration is from x, y = 4.879, 3595 to 5.032, 1453 and new response = 449921; previous integration is from x, y = 4.797, 0 to 5.124, 0 and previous response = 1390538.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:32:11 AM	Split qualifier 111.0 of compound 1,2-Dichlorobenzene in sample Feb1825.D and keep right peak, new integration is from x, y = 5.042, 0 to 5.124, 0 and new response = 450854, previous integration is from x, y = 4.797, 0 to 5.124, 0 and previous response = 1390538.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:32:14 AM	Split peak for compound 1,2-Dichlorobenzene in sample Feb1825.D and keep right peak, new integration is from x, y = 4.879, 239.993824773104 to 5.134, 381.444330417954 and new response = 2475271, previous integration is from x, y = 4.792, 192 to 5.134, 381 and previous response = 3735230.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:32:16 AM	Split peak for compound 1,2-Dichlorobenzene in sample Feb1825.D and keep right peak, new integration is from x, y = 5.032, 324.864128160014 to 5.134, 381.444330417954 and new response = 1172868, previous integration is from x, y = 4.879, 240 to 5.134, 381 and previous response = 2475271.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:32:18 AM	Set UserAnnotation = CO for compound 1,2-Dichlorobenzene in sample Feb1825.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:32:20 AM	Apply target integration range 5.032-5.134 to qualifier 148.0 for compound 1,2-Dichlorobenzene in sample Feb1825.D, new integration is from x, y = 5.032, 2402 to 5.134, 2914 and new response = 730663; previous integration is from x, y = 4.797, 40 to 5.124, 252 and previous response = 2371208.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:32:33 AM	Split qualifier 77.0 of compound Nitrobenzene in sample Feb1825.D and keep right peak, new integration is from x, y = 5.502, 4247.61192418989 to 5.604, 3475.9212858608 and new response = 711655, previous integration is from x, y = 5.407, 4968 to 5.604, 3476 and previous response = 1069574.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:32:50 AM	Apply target integration range 6.301-6.393 to qualifier 129.0 for compound Naphthalene in sample Feb1825.D, new integration is from x, y = 6.301, 440 to 6.393, 1073 and new response = 255525; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:32:51 AM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Feb1825.D to y = 440, new integration is from x, y = 6.301, 440 to 6.393, 440 and new response = 257277; previous integration is from x, y = 6.301, 440 to 6.393, 1073 and previous response = 255525.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:32:57 AM	Split qualifier 129.0 of compound p-Chloroaniline in sample Feb1825.D and keep right peak, new integration is from x, y = 6.393, 510.885793561922 to 6.475, 544.774800951207 and new response = 326150, previous integration is from x, y = 6.301, 473 to 6.475, 545 and previous response = 582765.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:33:04 AM	Split peak for compound 1-Methylnaphthalene in sample Feb1825.D and keep left peak, new integration is from x, y = 7.225, 1375.73817319471 to 7.307, 1414.39420051885 and new response = 1236329, previous integration is from x, y = 7.225, 1376 to 7.369, 1443 and previous response = 1292334.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:33:13 AM	Split peak for compound 2,4,6-Trichlorophenol in sample Feb1825.D and keep left peak, new integration is from x, y = 7.492, 131.993592704705 to 7.553, 185.212660286643 and new response = 443943, previous integration is from x, y = 7.492, 132 to 7.646, 266 and previous response = 925848.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:33:14 AM	Set UserAnnotation = CO for compound 2,4,6-Trichlorophenol in sample Feb1825.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:33:16 AM	Split qualifier 198.0 of compound 2,4,6-Trichlorophenol in sample Feb1825.D and keep left peak, new integration is from x, y = 7.492, 123.840079886302 to 7.553, 177.752218750565 and new response = 417228, previous integration is from x, y = 7.492, 124 to 7.646, 259 and previous response = 873499.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:33:20 AM	Split peak for compound 2,4,5-Trichlorophenol in sample Feb1825.D and keep left peak, new integration is from x, y = 7.492, 109.780101262567 to 7.553, 162.208597285383 and new response = 444026, previous integration is from x, y = 7.492, 110 to 7.646, 241 and previous response = 926049.			✓	
CmdClearManualIntegration	BL2000\sean	2/20/2022 8:33:21 AM	Clear manual integration of target signal for compound 2,4,5-Trichlorophenol in sample Feb1825.D			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:33:23 AM	Split peak for compound 2,4,5-Trichlorophenol in sample Feb1825.D and keep right peak, new integration is from x, y = 7.553, 162.208597285383 to 7.646, 241.336909380805 and new response = 482884, previous integration is from x, y = 7.492, 110 to 7.646, 241 and previous response = 926049.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:33:24 AM	Set UserAnnotation = CO for compound 2,4,5-Trichlorophenol in sample Feb1825.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:33:26 AM	Split qualifier 198.0 of compound 2,4,5-Trichlorophenol in sample Feb1825.D and keep right peak, new integration is from x, y = 7.553, 166.378328046637 to 7.646, 255.31776562901 and new response = 457139, previous integration is from x, y = 7.492, 107 to 7.646, 255 and previous response = 873583.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:33:33 AM	Apply target integration range 8.169-8.313 to qualifier 153.1 for compound Acenaphthylene in sample Feb1825.D, new integration is from x, y = 8.169, 0 to 8.313, 1264 and new response = 308306; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:33:34 AM	Drop baseline for qualifier 153.1 of compound Acenaphthylene in sample Feb1825.D to y = 0, new integration is from x, y = 8.169, 0 to 8.313, 0 and new response = 313737; previous integration is from x, y = 8.169, 0 to 8.313, 1264 and previous response = 308306.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:33:42 AM	Apply target integration range 8.497-8.650 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1825.D, new integration is from x, y = 8.497, 2831 to 8.650, 1601 and new response = 69007; previous integration is from x, y = 8.384, 733 to 8.466, 789 and previous response = 1221573.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:33:42 AM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1825.D to y = 1601, new integration is from x, y = 8.497, 1601 to 8.650, 1601 and new response = 74670; previous integration is from x, y = 8.497, 2831 to 8.650, 1601 and previous response = 69007.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/20/2022 8:33:50 AM	Manually integrate qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1825.D, from x, y = 8.650, 3554 to 8.701, 3112, result = 116589; previous integration is from x, y = 8.568, 1726 to 8.742, 1605 and previous response = 293783.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 8:34:07 AM	Manually integrate compound Anthracene in sample Feb1825.D, from x, y = 10.130, 620639 to 10.292, 603223, result = -1244371; previous integration is from x, y = 10.151, 0 to 10.221, 0 and previous response = 2396277.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 8:34:08 AM	Snap baseline for compound Anthracene in sample Feb1825.D, from x = 10.130 to x = 10.292, new integration is from x, y = 10.130, 233 to 10.292, 9802 and new response = 4656645; previous integration is from x, y = 10.130, 620639 to 10.292, 603223 and previous response = -1244371.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:34:09 AM	Drop baseline for compound Anthracene in sample Feb1825.D to y = 233, new integration is from x, y = 10.130, 233 to 10.292, 233 and new response = 4703165; previous integration is from x, y = 10.130, 233 to 10.292, 9802 and previous response = 4656645.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 8:34:10 AM	Set UserAnnotation = CO for compound Anthracene in sample Feb1825.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 8:34:12 AM	Split peak for compound Anthracene in sample Feb1825.D and keep right peak, new integration is from x, y = 10.221, 233 to 10.292, 233 and new response = 2307793, previous integration is from x, y = 10.130, 233 to 10.292, 233 and previous response = 4703165.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 8:34:16 AM	Apply target integration range 10.221-10.292 to qualifier 176.0 for compound Anthracene in sample Feb1825.D, new integration is from x, y = 10.221, 2261 to 10.292, 1274 and new response = 420629; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 8:34:17 AM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1825.D to y = 1274, new integration is from x, y = 10.221, 1274 to 10.292, 1274 and new response = 422728; previous integration is from x, y = 10.221, 2261 to 10.292, 1274 and previous response = 420629.			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 8:34:47 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:02 AM	Set SampleApproved = True for sample Feb1825.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:04 AM	Set SampleApproved = True for sample Feb1824.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:05 AM	Set SampleApproved = True for sample Feb1823.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:06 AM	Set SampleApproved = True for sample Feb1822.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:07 AM	Set SampleApproved = True for sample Feb1821.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:08 AM	Set SampleApproved = True for sample Feb1820.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:09 AM	Set SampleApproved = True for sample Feb1819.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:10 AM	Set SampleApproved = True for sample Feb1817.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:11 AM	Set SampleApproved = True for sample Feb1816.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:13 AM	Set SampleApproved = True for sample Feb1815.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:15 AM	Set SampleApproved = True for sample Feb1814.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:15 AM	Set SampleApproved = True for sample Feb1813.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:16 AM	Set SampleApproved = True for sample Feb1812.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:17 AM	Set SampleApproved = True for sample Feb1811.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:18 AM	Set SampleApproved = True for sample Feb1810.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 8:36:19 AM	Set SampleApproved = True for sample Feb1818.D; previous value = False			✓	
CmdQuantitate	BL2000\sean	2/20/2022 8:38:54 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 8:40:49 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	
CmdOpenBatchTable	BL2000\sean	2/20/2022 10:57:46 AM	Open batch D:\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\021822 DoD BNA cal.batch.bin			✓	
CmdQuantitate	BL2000\sean	2/20/2022 11:00:49 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 11:09:58 AM	Save batch D:\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
GenerateReport	BL2000\sean	2/20/2022 11:10:49 AM	Generates report - Method: D:\Org\reports\LevelIV_Reports\Tests_for_LevelIV\CC_mid_rpt.m, Output Path: D:\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantReports\021822 DoD BNA cal-1			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 11:12:00 AM	Save batch D:\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin			✓	

Continuing Calibration Report

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Batch Name D:\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\QuantResults\021822 DoD BNA cal.batch.bin
Method File
Daily CC \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1Feb1825.D

Level name	Injection Time	Calibration Files
1	2/19/2022 11:48:03 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D
2	2/19/2022 11:15:42 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D
3	2/19/2022 10:43:35 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D
4	2/19/2022 9:57:53 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D
5	2/19/2022 9:25:44 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D
6	2/19/2022 8:53:27 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D
7	2/19/2022 8:21:26 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D
CCV	2/4/2022 2:54:08 PM	\\MASSHUNTER\Org\Data\SV5973N.I\sd030422\BNA 1\Feb0402.D <======

ISTD Compound:	Avg Resp	Mid Resp	CC Resp	Area%	A/M
1,4-Dichlorobenzene-d4	349222	362851	444944	122.62	M
Naphthalene-d8	1013729	1062572	1299580	122.31	M
Acenaphthene-d10	558272	582178	717344	123.22	M
Phenanthrene-d10	990554	1023524	1290843	126.12	M
Chrysene-d12	720048	738511	980674	132.79	M
Perylene-d12	459625	469307	658950	140.41	M

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
1,4-Dichlorobenzene-d4	----------ISTD----------						
N-Nitrosodimethylamine	0.9982	0.2951	75.00	77.20	-2.93	208.87	Quadratic
Pyridine	0.9984	0.7071	75.00	73.69	1.75	187.04	Quadratic
2-Fluorophenol	0.9992	0.9979	75.00	79.33	-5.77	200.63	Quadratic
Aniline	0.9988	1.7646	75.00	76.76	-2.35	191.90	Quadratic
Phenol-d5	0.9995	1.2858	75.00	79.62	-6.16	198.39	Quadratic
Phenol	0.9987	1.3983	75.00	77.69	-3.59	197.55	Quadratic
bis(-2-Chloroethyl)Ether	0.9996	0.9786	75.00	80.56	-7.41	202.96	Quadratic
2-Chlorophenol	0.9991	1.1842	75.00	82.72	-10.30	209.21	Quadratic
1,3-Dichlorobenzene	0.9991	1.5117	75.00	82.85	-10.46	205.69	Quadratic
1,4-Dichlorobenzene	0.9990	1.5573	75.00	85.44	-13.91	208.91	Quadratic
1,2-Dichlorobenzene	0.9998	1.4059	75.00	78.73	-4.98	191.76	Quadratic
Benzyl Alcohol	0.9973	0.5956	75.00	81.50	-8.67	233.14	Quadratic
bis(2-chloroisopropyl)Ether	0.9984	0.3930	75.00	81.58	-8.77	204.10	Quadratic
2-Methylphenol	0.9983	0.9923	75.00	79.46	-5.95	198.91	Quadratic
N-nitroso-Di-n-propylamine	0.9994	0.7771	75.00	89.28	-19.04	219.43	Quadratic
4Methylphenol/3Methylphenol	0.9990	1.4841	75.00	87.71	-16.95	219.50	Quadratic
Hexachloroethane	0.9987	0.4321	75.00	78.50	-4.67	203.75	Quadratic
Nitrobenzene-d5	0.9990	0.7211	75.00	79.95	-6.60	207.73	Quadratic
Nitrobenzene	0.9943	0.4087	75.00	90.70	-20.94	222.40	Quadratic
Naphthalene-d8	----------ISTD----------						
Isophorone	0.9986	0.6137	75.00	83.13	-10.83	216.88	Quadratic
2-Nitrophenol	0.9966	0.1442	75.00	85.94	-14.59	240.81	Quadratic
2,4-Dimethylphenol	0.9946	0.2662	75.00	77.50	-3.34	208.58	Quadratic
bis(-2-Chloroethoxy)Methane	0.9977	0.3394	75.00	78.93	-5.25	195.14	Quadratic
2,4-Dichlorophenol	0.9975	0.2624	75.00	79.90	-6.54	211.22	Quadratic
Benzoic Acid	0.9948	0.1682	75.00	91.32	-21.76	271.59	Quadratic
1,2,4-Trichlorobenzene	0.9993	0.3054	75.00	77.71	-3.61	195.00	Quadratic
Naphthalene	0.9979	0.9651	75.00	82.95	-10.60	211.82	Quadratic
4-Chlorophenol	0.9994	0.1044	75.00	84.77	-13.02	217.67	Quadratic
p-Chloroaniline	0.9987	0.3581	75.00	78.40	-4.53	192.51	Quadratic
Hexachlorobutadiene	0.9987	0.1687	75.00	82.51	-10.01	218.58	Quadratic
4-Chloro-2-Methylphenol	0.9965	0.2344	75.00	76.98	-2.64	208.43	Quadratic

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
4-Chloro-3-Methylphenol	0.2382	0.2624	75.00	82.63	-10.17	205.00	Avg RF
2-Methylnaphthalene	0.9998	0.5407	75.00	81.49	-8.66	196.45	Quadratic
1-Methylnaphthalene	0.9993	0.5074	75.00	78.50	-4.67	183.94	Quadratic
Acenaphthene-d10	----------ISTD----------						
Hexachlorocyclopentadiene	0.9982	0.1760	75.00	78.37	-4.49	209.54	Quadratic
2,4,6-Trichlorophenol	0.9939	0.3301	75.00	83.90	-11.86	238.27	Quadratic
2,4,5-Trichlorophenol	0.9986	0.3590	75.00	81.74	-8.98	216.23	Quadratic
2-Fluorobiphenyl	0.9986	1.3029	75.00	81.85	-9.13	208.50	Quadratic
2-Chloronaphthalene	1.0024	1.0523	75.00	78.73	-4.98	194.83	Avg RF
2-Nitroaniline	0.9911	0.2093	75.00	87.40	-16.53	231.77	Quadratic
Dimethyl Phthalate	0.9976	1.1055	75.00	82.08	-9.44	225.82	Quadratic
2,6-Dinitrotoluene	0.9930	0.1384	75.00	75.04	-0.05	200.84	Quadratic
Acenaphthylene	0.9997	1.6700	75.00	78.14	-4.19	187.88	Quadratic
3-Nitroaniline	0.9942	0.1760	75.00	83.54	-11.39	238.38	Quadratic
Acenaphthene	0.9995	0.9080	75.00	73.66	1.78	175.82	Quadratic
2,4-Dinitrophenol	0.9987	0.0799	75.00	84.50	-12.67	245.33	Quadratic
Dibenzofuran	0.9969	1.5713	75.00	77.97	-3.96	204.22	Quadratic
2,4-Dinitrotoluene	0.9989	0.1836	75.00	79.63	-6.18	213.11	Quadratic
4-Nitrophenol	0.9972	0.1826	75.00	80.20	-6.94	225.93	Quadratic
Diethylphthalate	0.9968	1.0959	75.00	78.65	-4.87	219.94	Quadratic
Fluorene	0.9988	1.2041	75.00	74.62	0.51	181.64	Quadratic
4-Chlorophenyl-phenylether	0.9957	0.5958	75.00	82.09	-9.46	222.70	Quadratic
Phenanthrene-d10	----------ISTD----------						
4-Nitroaniline	0.9926	0.1109	75.00	87.04	-16.06	259.68	Quadratic
4,6-Dinitro-2-methylphenol	0.9985	0.0662	75.00	84.96	-13.28	235.50	Quadratic
N-nitrosodiphenylamine	0.9998	0.4889	75.00	82.19	-9.58	209.98	Quadratic
Azobenzene	0.9991	0.6090	75.00	77.65	-3.53	194.57	Quadratic
2,4,6-Tribromophenol	0.9995	0.0612	75.00	83.78	-11.71	237.64	Quadratic
4-Bromophenyl-phenylether	0.9969	0.1898	75.00	83.97	-11.96	213.52	Quadratic
Hexachlorobenzene	0.9959	0.1970	75.00	86.08	-14.77	229.13	Quadratic
Pentachlorophenol	0.9986	0.0925	75.00	85.72	-14.29	243.90	Quadratic
Phenanthrene	0.9974	0.9901	75.00	80.06	-6.75	206.23	Quadratic
Anthracene	0.8750	0.9535	75.00	81.73	-8.98	211.22	Avg RF
Triallate	0.9997	0.2250	75.00	80.79	-7.72	213.21	Quadratic
Carbazole	1.0000	0.8957	75.00	75.72	-0.96	192.87	Quadratic
o-Terphenyl	0.9973	0.5212	75.00	79.41	-5.89	206.97	Quadratic
Di-n-Butylphthalate	0.9987	0.9813	75.00	86.61	-15.49	244.67	Quadratic
Fluoranthene	0.9997	0.9896	75.00	79.88	-6.50	203.74	Quadratic
Benzidine	0.9992	0.3273	75.00	74.65	0.47	184.21	Quadratic
Pyrene	0.9996	1.0720	75.00	79.30	-5.74	198.34	Quadratic
Terphenyl-d14	0.6821	0.7189	75.00	79.04	-5.39	204.43	Avg RF
Chrysene-d12	----------ISTD----------						
Butylbenzylphthalate	0.9985	0.4453	75.00	84.61	-12.81	268.36	Quadratic
Benzo(a)Anthracene	1.0282	1.1010	75.00	80.31	-7.08	214.38	Avg RF
Chrysene	0.9996	1.1704	75.00	76.14	-1.52	204.93	Quadratic
3,3-Dichlorobenzidine	0.9980	0.3841	75.00	79.09	-5.46	235.58	Quadratic
bis(2-ethylhexyl)Phthalate	0.9986	0.1565	75.00	85.96	-14.62	275.27	Quadratic
Perylene-d12	----------ISTD----------						
Di-n-octyl Phthalate	0.9982	1.5967	75.00	82.43	-9.90	279.06	Quadratic
Benzo(b)fluoranthene	0.9994	1.5097	75.00	71.03	5.29	205.37	Quadratic
Benzo(k)fluoranthene	0.9991	1.6611	75.00	74.55	0.60	214.63	Quadratic
Benzo(a)pyrene	0.9994	1.4883	75.00	74.20	1.07	210.60	Quadratic
Indeno(1,2,3-c,d)pyrene	0.9983	1.2541	75.00	74.49	0.68	217.66	Quadratic
Dibenzo(a,h)anthracene	0.9990	1.3170	75.00	71.89	4.15	212.04	Quadratic
Benzo(g,h,i)perylene	0.9993	1.4589	75.00	75.19	-0.25	219.06	Quadratic

A -- against Average; M -- against Mid Point; P -- against Previous CC in the Method;

Prep Batch 163621 Standards Traceability Report

Spike ID: sv83514
Spike Name: Additionals
Prep Date: 9/22/2021
Exp Date: 10/1/2022
Department: GCMSPR
Vendor: AccuStandard
Lot Number: 22002155-02
Balance ID:
Comments: 12x1mL ampules

Type: Primary
Prep By: Ryan F. Benge
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Custom Semi-Volatile Standard	14279	1	mL	10/1/2022

Stock Source	Base Units	Amount Added

Prep Batch 163621 Standards Traceability Report

Spike ID: sv83604
Spike Name: BN Surr
Prep Date: 10/25/2021
Exp Date: 7/31/2027
Department: GCMSPR
Vendor: Restek
Lot Number: A0175748
Balance ID:
Comments: 6 ampules

Type: Primary
Prep By: Ryan F. Benge
Status: New
Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
B/N Surrogate Mix (4/89 SOW)	14431	5	mL	7/31/2027

Stock Source	Base Units	Amount Added

Prep Batch 163621 Standards Traceability Report

Spike ID: sv83608
Spike Name: 625 LCS
Prep Date: 11/29/2021
Exp Date: 9/15/2026
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 20x1 mL ampule

Type: Secondary
Prep By: Ryan F. Benge
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
CLP Semi-volatile calibration standard	14546		mL	9/15/2026

Stock Source	Base Units	Amount Added

Prep Batch 163621 Standards Traceability Report

Spike ID: sv83609
Spike Name: AE Surrogate
Prep Date: 11/29/2021
Exp Date: 3/6/2023
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 5x1 mL ampule

Type: Secondary
Prep By: Ryan F. Benge
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acid Surrogate	14527		mL	3/6/2023

Stock Source	Base Units	Amount Added

Prep Batch 163621 Standards Traceability Report

Spike ID: sv92706
Spike Name: BNA Surr
Prep Date: 12/22/2021
Exp Date: 3/31/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 2000/1000ug/mL

Type: Tertiary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ963	13755	17.5	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv83609	ug/mL	2.5 mL
sv83604	ug/mL	5 mL

Prep Batch 163621 Standards Traceability Report

Spike ID: sv92717
Spike Name: LL BNA Surr
Prep Date: 1/14/2022
Exp Date: 3/31/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 100/50 ug/mL

Type: Tertiary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 4 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ963	13755	3.8	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv92706	ug/mL	0.2 mL

Prep Batch 163621 Standards Traceability Report

Spike ID: sv92718
Spike Name: BNA Surr
Prep Date: 1/17/2022
Exp Date: 3/31/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 2000/1000ug/mL

Type: Tertiary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ963	13755	17.5	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv83609	ug/mL	2.5 mL
sv83604	ug/mL	5 mL

Prep Batch 163621 Standards Traceability Report

Spike ID: sv92809
Spike Name: LCS/Add Extractions
Prep Date: 2/7/2022
Exp Date: 7/22/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 100ug/mL. Spike 1mL into water.

Type: Secondary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	21.25	mL	7/22/2022

Stock Source	Base Units	Amount Added
sv83514	ug/mL	1.25 mL
sv83608	ug/mL	2.5 mL

4XML

ID #: 13553
Opened:
Acetone DZ509
Expires: 7/22/2022
Rec'd: 2/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Honeywell
CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
lab.honeywell.com

Brand:	Research Chemicals - B&J
Product:	010
Lot No.:	DZ509
Production Date:	22-Jul-2020
Best Before:	22-Jul-2022

Acetone, B&J Brand™, >99.9%

for HPLC, GC, pesticide residue analysis and spectrophotometry

Parameter	Specification Min.	Max.	Result	Units
Water by Karl Fischer Titration		0.50	0.24	%
UV Cutoff		330	328	nm
Refractive Index (20°C)	1.3583	1.3589	1.3587	
Residue		1	<0.5	mg/L
GC Analysis (excluding water)	99.9		99.98	%
Electron Capture GC		10	<10	ng/L
UV Absorbance @ 340 nm		0.060	0.0511	AU
UV Absorbance @ 350 nm		0.010	0.0007	AU
UV Absorbance @ 375 nm		0.005	<0.0001	AU
UV Absorbance @ 400 nm		0.005	0.0004	AU

Honeywell
Quality Control Approval
Janna Dickinson

Muskegon 7/22/2020 LIMS Sample No.: AL02344

ID #: 13755
Opened:
Acetone DZ963
Expires: 9/24/2022
Rec'd: 4/13/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Honeywell

CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
lab.honeywell.com

Brand:	Research Chemicals - B&J
Product:	010
Lot No.:	DZ963
Production Date:	24-Sep-2020
Best Before:	24-Sep-2022

Acetone, B&J Brand™, >99.9%
for HPLC, GC, pesticide residue analysis and spectrophotometry

Parameter	Specification Min.	Max.	Result	Units
Water by Karl Fischer Titration		0.50	0.45	%
UV Cutoff		330	328	nm
Refractive Index (20°C)	1.3583	1.3589	1.3585	
Residue		1	<0.5	mg/L
GC Analysis (excluding water)	99.9		99.98	%
Electron Capture GC		10	<10	ng/L
UV Absorbance @ 340 nm		0.060	0.0482	AU
UV Absorbance @ 350 nm		0.010	0.0047	AU
UV Absorbance @ 375 nm		0.005	<0.0001	AU
UV Absorbance @ 400 nm		0.005	<0.0001	AU

Honeywell
Quality Control Approval
Janna Dickinson

Muskegon 9/24/2020 LIMS Sample No.: AL03008

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-14500-R2
Description: Custom Semi-Volatile Standard
Lot: 220021255-02
Solvent: Dichloromethane
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Aug 31, 2021
Expiration: Oct 1, 2022
Sample Size: 1 mL
Components: 10
Storage Condition: Freeze (<-10 °C)/Sonicate

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Pyridine	110-86-1	98.7	2026	2000
4-Chlorophenol	106-48-9	100.0	2019	2019
1-Methylnaphthalene	90-12-0	98.5	2003	1973
N-Nitrosodiphenylamine	86-30-6	100.0	2022	2022
4-Chloro-2-methylphenol	1570-64-5	97.0	2069*	2007
Benzoic acid	65-85-0	99.5	2010	2000
Aniline	62-53-3	98.0	2002	1962
Benzyl alcohol	100-51-6	99.9	2011	2009
Triallate	2303-17-5	99.9	2013	2011
o-Terphenyl	84-15-1	99.9	2019	2017

ID #: 14279
Opened:
Custom Semi-Volatile Standard
Expires: 10/1/2022
Rec'd: 9/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

This Certified Reference Material was verified in accordance with ISO/IEC 17025

* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

 See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0175748

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

ID #: 14431
Opened:
B/N Surrogate Mix (4/89 SOW)
Expires: 7/31/2027
Rec'd: 10/25/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99%	(Lot PR-29940A)	5,027.3 µg/mL	+/- 29.2293 µg/mL +/- 226.4341 µg/mL +/- 251.2566 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99%	(Lot 00019169)	5,001.1 µg/mL	+/- 29.0767 µg/mL +/- 225.2518 µg/mL +/- 249.9447 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 **Purity** 99%	(Lot PR-30504)	5,001.4 µg/mL	+/- 29.0787 µg/mL +/- 225.2668 µg/mL +/- 249.9613 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

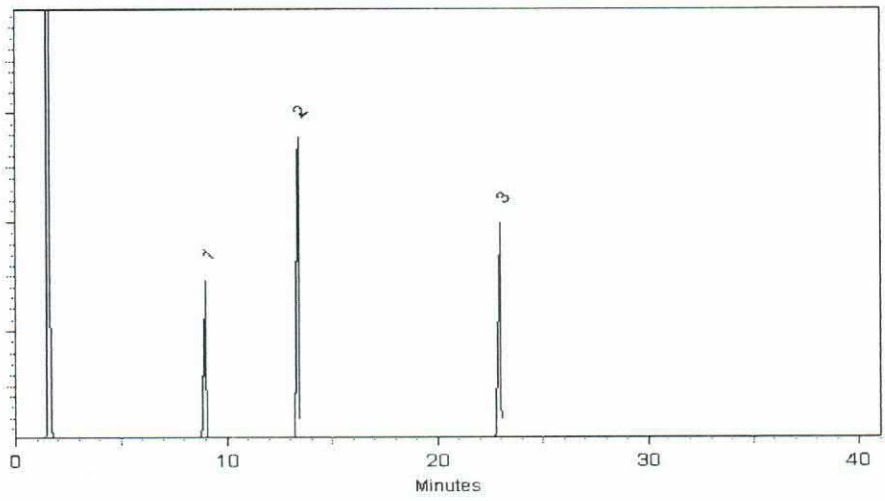
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 25-Aug-2021 **Balance:** B345965662

Marline Cowan - Operations Tech I

Date Passed: 27-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: CLP-AS-10X
Description: Acid Surrogate
Lot: 220031065
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Mar 6, 2020
Expiration: Mar 6, 2023
Sample Size: 1 mL
Components: 3
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (mg/mL)	Certified Analyte Concentration[1] (mg/mL)
2-Fluorophenol	367-12-4	99.8	20.20	20.16
Phenol-d5	4165-62-2	99.9	20.05	20.03
2,4,6-Tribromophenol	118-79-6	99.9	20.19	20.17

ID #: 14527
Opened:
Acid Surrogate
Expires: 3/6/2023
Rec'd: 11/17/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

CERTIFIED WEIGHT REPORT

Part Number: 92180
Lot Number: 091521
Description: CLP Semi-Volatile Calibration Standard
64 components
Expiration Date: 091526
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent: Methylene chloride **Lot#** 104929

Formulated By: Prashant Chauhan 091521 DATE

Reviewed By: Pedro L. Rentas 091521 DATE

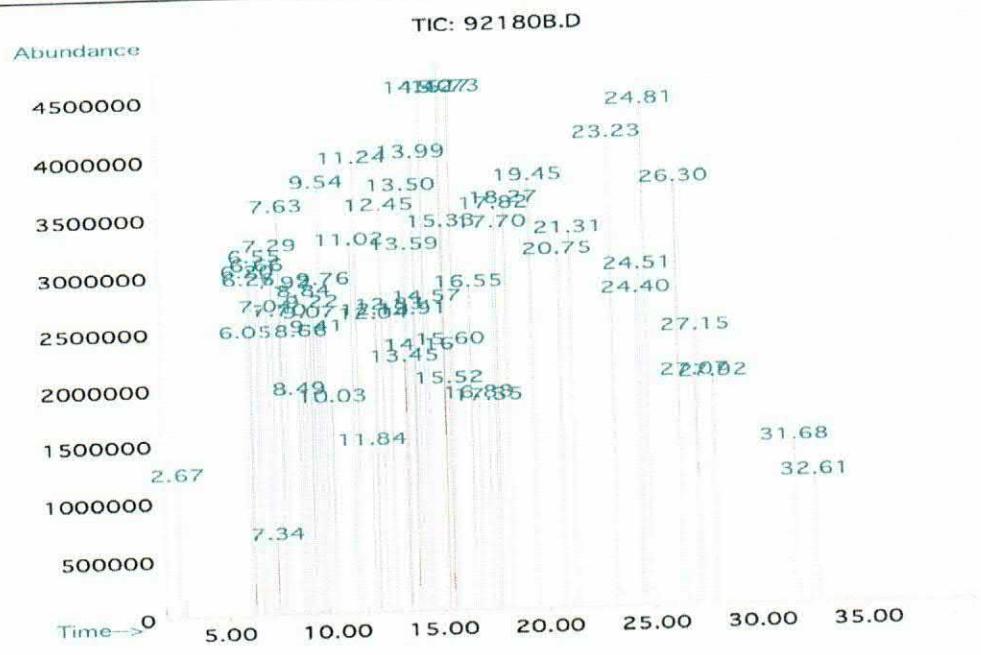
Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.003 Flask Uncertainty

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc (ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2,2'-Oxybis(1-chloropropane)	(0078)	012016AR	NA	NA	NA	1000	98.9	0.2	NA	0.10112	0.10129	1001.7	4.2	108-60-1	N/A	orl-rat 240mg/kg
2. Hexachlorobenzene	(0195)	051697	NA	NA	NA	1000	99	0.2	NA	0.10102	0.10128	1002.6	4.2	118-74-1	N/A	orl-rat 10g/kg
3. bis(2-Chloroethoxy) methane	10111	011214	0.05	5.00	20018.4	1000	NA	NA	0.017	NA	NA	1000.8	8.0	111-91-1	N/A	N/A
4. bis(2-Chloroethyl) ether	10111	011214	0.05	5.00	20012.4	1000	NA	NA	0.017	NA	NA	1000.5	8.0	111-44-4	15 ppm (90mg/m3/8H)(skin)	orl-rat 75mg/kg
5. bis(2-Ethylhexyl) phthalate	10111	011214	0.05	5.00	20014.3	1000	NA	NA	0.017	NA	NA	1000.6	8.0	117-81-7	5mg/m3/8H	orl-rat 30600mg/kg
6. 4-Bromophenyl phenyl ether	10111	011214	0.05	5.00	20008.8	1000	NA	NA	0.017	NA	NA	1000.3	8.0	101-55-3	N/A	N/A
7. Benzyl butyl phthalate	10111	011214	0.05	5.00	20011.3	1000	NA	NA	0.017	NA	NA	1000.5	8.0	85-68-7	N/A	orl-rat 2330mg/kg
8. 4-Chlorophenyl phenyl ether	10111	011214	0.05	5.00	20009.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	7005-72-3	N/A	N/A
9. Diethyl phthalate	10111	011214	0.05	5.00	20013.6	1000	NA	NA	0.017	NA	NA	1000.6	8.0	84-66-2	5mg/m3/8H	orl-rat 8600mg/kg
10. Dimethyl phthalate	10111	011214	0.05	5.00	20015.7	1000	NA	NA	0.017	NA	NA	1000.7	8.0	131-11-3	5mg/m3/8H	orl-rat 6800mg/kg
11. Di-n-butyl phthalate	10111	011214	0.05	5.00	20011.6	1000	NA	NA	0.017	NA	NA	1000.5	8.0	84-74-2	5mg/m3/8H	orl-rat 8000mg/kg
12. Di-n-octyl phthalate	10111	011214	0.05	5.00	20012.2	1000	NA	NA	0.017	NA	NA	1000.5	8.0	117-84-0	N/A	orl-rat 47000mg/kg
13. N-Nitrosodimethylamine	10111	011214	0.05	5.00	20010.0	1000	NA	NA	0.017	NA	NA	1000.4	8.0	62-75-9	N/A	orl-rat 58mg/kg
14. N-Nitrosodi-n-propylamine	10111	011214	0.05	5.00	20010.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	621-64-7	N/A	orl-rat 480mg/kg
15. 1,2-Diphenylhydrazine (as Azobenzene)	10112	042820	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.1	103-33-3	N/A	orl-rat 1000mg/kg
16. 2-Chloronaphthalene	10112	042820	0.05	5.00	20002.3	1000	NA	NA	0.017	NA	NA	1000.0	8.0	91-58-7	N/A	orl-rat 2078mg/kg
17. 1,2-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
18. 1,3-Dichlorobenzene	10112	042820	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	541-73-1	N/A	ipr-mus 1062mg/kg
19. 1,4-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
20. 2,4-Dinitrotoluene	10112	042820	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	121-14-2	1.5mg/m3/8H (skin)	orl-rat 268mg/kg
21. 2,6-Dinitrotoluene	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	606-20-2	1.5mg/m3/8H (skin)	orl-rat 177mg/kg
22. Hexachloro-1,3-butadiene	10112	042820	0.05	5.00	20009.4	1000	NA	NA	0.017	NA	NA	1000.4	12.4	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
23. Hexachlorocyclopentadiene	10112	042820	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	77-47-4	0.01 ppm (0.1mg/m3/8H)	orl-rat 1300mg/kg
24. Hexachloroethane	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
25. Isophorone	10112	042820	0.05	5.00	20003.8	1000	NA	NA	0.017	NA	NA	1000.1	8.1	78-59-1	25 ppm	orl-rat 2330mg/kg
26. Nitrobenzene	10112	042820	0.05	5.00	20004.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
27. 1,2,4-Trichlorobenzene	10112	042820	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
28. o-Cresol (2-Methylphenol)	10114	081919	0.05	5.00	20010.2	1000	NA	NA	0.017	NA	NA	1000.4	8.0	95-48-7	5 ppm (22mg/m3/8H)(skin)	orl-rat 121mg/kg
29. p-Cresol (4-Methylphenol)	10114	081919	0.05	5.00	20061.2	1000	NA	NA	0.017	NA	NA	1003.0	8.0	106-44-5	5 ppm (22mg/m3/8H)(skin)	orl-rat 207mg/kg
30. 2,4,5-Trichlorophenol	10114	081919	0.05	5.00	20023.2	1000	NA	NA	0.017	NA	NA	1001.1	8.0	95-95-4	N/A	orl-rat 820mg/kg
31. 4-Chloroaniline	10115	060512	0.05	5.00	20009.6	1000	NA	NA	0.017	NA	NA	1000.4	8.0	106-47-8	N/A	orl-rat 310mg/kg
32. Dibenzofuran	10115	060512	0.05	5.00	20020.2	1000	NA	NA	0.017	NA	NA	1000.9	8.0	132-64-9	N/A	N/A
33. 2-Methylnaphthalene	10115	060512	0.05	5.00	20012.9	1000	NA	NA	0.017	NA	NA	1000.5	8.1	91-57-6	N/A	orl-rat 1630mg/kg
34. 2-Nitroaniline	10115	060512	0.05	5.00	20011.8	1000	NA	NA	0.017	NA	NA	1000.5	8.0	88-74-4	N/A	orl-rat 1600mg/kg
35. 3-Nitroaniline	10115	060512	0.05	5.00	20018.6	1000	NA	NA	0.017	NA	NA	1000.8	8.0	99-09-2	N/A	orl-rat 535mg/kg
36. 4-Nitroaniline	10115	060512	0.05	5.00	20014.9	1000	NA	NA	0.017	NA	NA	1000.6	8.0	100-01-6	1 ppm (6mg/m3/8H)(skin)	orl-rat 750mg/kg
37. 4-Chloro-3-methylphenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	59-50-7	N/A	orl-rat 1830mg/kg
38. 2-Chlorophenol	10118	072120	0.05	5.00	20002.9	1000	NA	NA	0.017	NA	NA	1000.0	8.0	95-57-8	N/A	orl-rat 670mg/kg
39. 2,4-Dichlorophenol	10118	072120	0.05	5.00	20003.1	1000	NA	NA	0.017	NA	NA	1000.1	8.0	120-83-2	N/A	orl-rat 580mg/kg
40. 2,4-Dimethylphenol	10118	072120	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	105-67-9	N/A	orl-rat 3200mg/kg
41. 2,4-Dinitrophenol	10118	072120	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	51-28-5	N/A	orl-rat 30mg/kg
42. 4,6-Dinitro-2-methylphenol	10118	072120	0.05	5.00	20002.5	1000	NA	NA	0.017	NA	NA	1000.0	8.0	534-52-1	N/A	N/A
43. 2-Nitrophenol	10118	072120	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-75-5	N/A	orl-rat 334mg/kg
44. 4-Nitrophenol	10118	072120	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	100-02-7	N/A	orl-rat 250mg/kg
45. Pentachlorophenol	10118	072120	0.05	5.00	20002.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg
46. Phenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	108-95-2	5 ppm (19mg/m3/8H)(skin)	orl-rat 317mg/kg
47. 2,4,6-Trichlorophenol	10118	072120	0.05	5.00	20004.2	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-06-2	N/A	orl-rat 820mg/kg
48. Acenaphthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	83-32-9	N/A	ipr-rat 600mg/kg
49. Acenaphthylene	10007	042420	0.50	50.00	2000.2	1000	NA	NA	0.018	NA	NA	1000.0	4.2	208-96-8	N/A	N/A
50. Anthracene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.1	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
51. Benzo(a)anthracene	10007	042420	0.50	50.00	2001.3	1000	NA	NA	0.018	NA	NA	1000.6	4.2	56-55-3	N/A	N/A
52. Benzo(a)pyrene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
53. Benzo(b)fluoranthene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	205-99-2	N/A	N/A
54. Benzo(k)fluoranthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	207-08-9	N/A	N/A
55. Benzo(g,h,i)perylene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	191-24-2	N/A	N/A
56. Carbazole	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.0	4.2	86-74-8	N/A	ipr-mus 200mg/kg
57. Chrysene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	218-01-9	0.2mg/m3	N/A
58. Dibenzo(a,h)anthracene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	53-70-3	0.2mg/m3	N/A
59. Fluoranthene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.2	206-44-0	N/A	orl-rat 2000mg/kg
60. Fluorene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.3	4.2	86-73-7	N/A	ipr-mus 2 g/kg
61. Indeno(1,2,3-cd)pyrene	10007	042420	0.50	50.00	2000.1	1000	NA	NA	0.018	NA	NA	1000.0	4.1	193-39-5	N/A	N/A
62. Naphthalene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
63. Phenanthrene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
64. Pyrene	10007	042420	0.50	50.00	2001.0	1000	NA	NA	0.018	NA	NA	1000.4	4.2	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

ID #: 14546
Opened:
CLP Semi-volatile calibration standard
Expires: 9/15/2026
Rec'd: 11/23/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Method GC8MSD-2.M: Column:SBB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14 min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 290°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Melissa Stonier.



Peak No	Name	MSD RT (min.)
1	N-nitrosodimethylamine	2.67
2	Phenol	6.05
3	bis(2-Chloroethyl)ether	6.20
4	2-Chlorophenol	6.26
5	1,3-Dichlorobenzene	6.55
6	1,4-Dichlorobenzene	6.63
7	1,2-Dichlorobenzene	7.04
8	n-Cresol (2-methylphenol)	7.29
9	bis(2-Chloroisopropyl)ether	7.34
10	p-Cresol (4-methylphenol)/N-nitrosodi-n-propylamine	7.63
11	Hexachloroethane	7.70
12	Nitrobenzene	7.92
13	Isophorone	8.49
14	2-Nitrophenol	8.66
15	2,4-Dimethylphenol	8.84
16	bis(2-Chloroethoxy)methane	9.07
17	2,4-Dichlorophenol	9.22
18	1,2,4-Trichlorobenzene	9.41
19	Naphthalene	9.54
20	4-Chloroaniline	9.76
21	Hexachloro-1,3-Butadiene	10.03
22	4-Chloro-3-methylphenol	11.02
23	2-Methylnaphthalene	11.24
24	Hexachlorocyclopentadiene	11.84
25	2,4,6-Trichlorophenol	12.04
26	2,4,5-Trichlorophenol	12.13
27	2-Chloronaphthalene	12.45
28	2-Nitroaniline	12.84
29	Dimethyl phthalate	13.45
30	Acenaphthylene	13.50
31	2,6-Dinitrotoluene	13.59
32	3-Nitroaniline	13.91
33	Acenaphthene	13.99
34	2,4-Dinitrophenol	14.16
35	Dibenzofuran/4-Nitrophenol	14.46
36	2,4-Dinitrotoluene	14.57
37	Diethyl phthalate/Fluorene	15.22
38	4-Chlorophenyl phenyl ether	15.33
39	4-Nitroaniline	15.52
40	4,6-Dinitro-2-methylphenol	15.60
41	Azobenzene	15.73
42	4-Bromophenyl phenyl ether	16.56
43	Hexachlorobenzene	16.89
44	Pentachlorophenol	13.35
45	Phenanthrene	17.70
46	Anthracene	17.82
47	Carbazole	18.27
48	Di-n-butyl phthalate	19.45
49	Fluoranthene	20.75
50	Pyrene	21.31
51	Benzyl butyl phthalate	23.23
52	Benzo(a)anthracene	24.40
53	Chrysene	24.51
54	bis(2-Ehtylhexyl)phthalate	24.82
55	Di-n-octyl phthalate	26.30
56	Benzo(b)fluoranthene	27.07
57	Benzo(k)fluoranthene	27.15
58	Benzo(a)pyrene	27.92
59	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	31.68
60	Benzo(g,h,i)perylene	32.61

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv100507
Spike Name: BNA mix
Prep Date: 6/9/2021
Exp Date: 3/31/2022
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments: 200 ug/mL

Type: Secondary
Prep By: Sean McGrew
Status: New
Final Volume: 1.5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	0.51	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv82908	ug/mL	0.03 mL
sv83301	ug/mL	0.15 mL
sv83406	ug/mL	0.15 mL
sv83419	ug/mL	0.15 mL
sv82913	ug/mL	0.15 mL
sv83410	ug/mL	0.15 mL
sv83407	ug/mL	0.06 mL
sv83201	ug/mL	0.15 mL

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv100516
Spike Name: BNA Internals 2000 ug/mL
Prep Date: 7/25/2021
Exp Date: 6/30/2023
Department: GCMSSEMI
Vendor: Chemservice
Lot Number: 8443500
Balance ID:
Comments:

Type: Secondary
Prep By: John P. Heine
Status: New
Final Volume: 2.12 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	1.06	mL	6/30/2023

Stock Source	Base Units	Amount Added
sv83506	ug/mL	1.06 mL

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv100610
Spike Name: QC2/TEL
Prep Date: 8/3/2021
Exp Date: 8/3/2022
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments:

Type: Secondary
Prep By: Sean McGrew
Status: New
Final Volume: 1.5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	1.2	mL	8/3/2022

Stock Source	Base Units	Amount Added
sv83015	ug/mL	0.15 mL
sv83509	ug/mL	0.15 mL

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv100714
Spike Name: BNA 2nd source
Prep Date: 12/20/2021
Exp Date: 10/1/2022
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments: 200 ug/mL

Type: Secondary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	0.54	mL	10/1/2022

Stock Source	Base Units	Amount Added
sv83514	ug/mL	0.1 mL
sv82702	ug/mL	0.02 mL
sv83218	ug/mL	0.1 mL
sv83408	ug/mL	0.2 mL
sv83411	ug/mL	0.04 mL

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Standard ID: sv82702
Standard Name: AE Surr
Prep Date: 8/28/2018
Exp Date: 4/30/2023
Department: GCMSPR
Vendor: Restek
Lot Number: A0137474
Balance ID:
Comments:

Type: Primary
Prep By: Craig A. Bardelli
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acid Surrogate Standard Mix (4/89)	10707	1	mL	4/30/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv82908
Spike Name: AE surr
Prep Date: 4/10/2019
Exp Date: 3/31/2022
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC2239
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
EPA 8270 Acids Surrogate Spike Mix HC	11383		mL	3/31/2022

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv82913
Spike Name: BNA Custom for cal
Prep Date: 5/2/2019
Exp Date: 5/28/2023
Department: GCMSSEMI
Vendor: AccuStandard
Lot Number: 219041483
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Custom BNA Mix	11451		mL	5/28/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv83015
Spike Name: TEL
Prep Date: 9/27/2019
Exp Date: 5/8/2023
Department: GCMSSEMI
Vendor: Absolute Standards
Lot Number: 050818
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Tetraethyllead	11760		mL	5/8/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv83201
Spike Name: Phenols mix
Prep Date: 3/17/2020
Exp Date: 1/31/2028
Department: GCMSSEMI
Vendor: Restek
Lot Number: A0157111
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
604 Phenols Calibration Mix	12512		mL	1/31/2028

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: SV83202
Spike Name: BNA 2nd source short
Prep Date: 3/24/2020
Exp Date: 3/16/2023
Department: GCMSSEMI
Vendor: Absolute Standards
Lot Number: 031620
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
BNA 2nd Source Standard Rev 1	12532		mL	3/16/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv83218
Spike Name: Benzidines
Prep Date: 7/7/2020
Exp Date: 5/1/2024
Department: GCMSSEMI
Vendor: AccuStandard
Lot Number: 220041353
Balance ID:
Comments: 2000 ug/mL 12839

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Benzidine & 3,3'-Dichlorobenzidine	12839	1	mL	5/1/2024

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv83301
Spike Name: PAH Mix
Prep Date: 7/13/2020
Exp Date: 9/30/2022
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC3877
Balance ID:
Comments: 4 x 1mlL

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 6 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL PAH Mix	12846	6	mL	9/30/2022

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv83406
Spike Name: BN mix 2000ug/mL
Prep Date: 1/20/2021
Exp Date: 1/31/2023
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC4915
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL Base-Neutrals Mix	13494	1	mL	1/31/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Standard ID: sv83407
Standard Name: BN Surr 5000 ug/mL
Prep Date: 12/14/2020
Exp Date: 10/31/2026
Department: GCMSSEMI
Vendor: Restek
Lot Number: A0166081
Balance ID:
Comments:

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
B/N Surrogate Mix (4/89 SOW)	13328	1	mL	10/31/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv83408
Spike Name: 625 LCS Spk
Prep Date: 2/9/2021
Exp Date: 2/2/2026
Department: GCMSPR
Vendor: Absolute Standards
Lot Number: 050120
Balance ID:
Comments: 12x1mL ampules

Type: Primary
Prep By: Ryan F. Benge
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
CLP Semi-Volatiel Calibration Standard	13539	1	mL	2/2/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv83410
Spike Name: H.S. Mix
Prep Date: 4/7/2021
Exp Date: 2/28/2024
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC9004
Balance ID:
Comments: 2000 ug/mL

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
EPA TCL Hazardous Substances Mix (12 cmpds)	13691		mL	2/28/2024

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv83411
Spike Name: BN surr
Prep Date: 4/7/2021
Exp Date: 11/20/2026
Department: GCMSSEMI
Vendor: Restek
Lot Number: A6167670
Balance ID:
Comments: 5000 ug/mL

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
B/N Surrogate Mix (4/89 SOW)	13666		mL	11/20/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv83419
Spike Name: Benzidines CAL 2000ug/mL
Prep Date: 5/18/2021
Exp Date: 4/30/2023
Department: GCMSSEMI
Vendor: Agilent
Lot Number: 0006592783
Balance ID:
Comments: 2000 ug/mL

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Benzidines Standard	13854	1	mL	4/30/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Standard ID: sv83506
Standard Name: BNA Internals 4000 ug/mL
Prep Date: 6/18/2021
Exp Date: 6/30/2023
Department: GCMSSEMI
Vendor: Chemservice
Lot Number: 8443500
Balance ID:
Comments:

Type: Secondary
Prep By: John P. Heine
Status: New
Final Volume: 8 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Mixture #8-Internal Standards	13968	8	mL	6/30/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv83509
Spike Name: QC2 2nd source
Prep Date: 7/12/2021
Exp Date: 5/7/2026
Department: GCMSSEMI
Vendor: Absolute Standards
Lot Number: 050721
Balance ID:
Comments:

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Semi-Volatile Mix	13964	6	mL	5/7/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv83514
Spike Name: Additionals
Prep Date: 9/22/2021
Exp Date: 10/1/2022
Department: GCMSPR
Vendor: AccuStandard
Lot Number: 22002155-02
Balance ID:
Comments: 12x1mL ampules

Type: Primary
Prep By: Ryan F. Benge
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Custom Semi-Volatile Standard	14279	1	mL	10/1/2022

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218A Standards Traceability Report

Spike ID: sv90820
Spike Name: BNA 2nd source short (new)
Prep Date: 3/24/2020
Exp Date: 3/16/2023
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments: 200 ug/mL

Type: Secondary
Prep By: Sean McGrew
Status: New
Final Volume: 1.5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane DX975	12485	1.35	mL	3/16/2023

Stock Source	Base Units	Amount Added
sv83202	ug/mL	0.15 mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3224.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3223.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31063 **Lot No.:** A0137474

Description : Acid Surrogate Standard Mix (4/89)

Acid Surrogate Standard Mix (4/89) 10,000 µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2023 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95 % C.L., K=2)		
1	2-Fluorophenol		10,046.4 µg/mL	+/- 58.8239	µg/mL	Gravimetric
	CAS # 367-12-4	(Lot STBD7945V)		+/- 293.2702	µg/mL	Unstressed
	Purity 99%			+/- 355.8400	µg/mL	Stressed
2	Phenol-d6		10,023.6 µg/mL	+/- 58.6904	µg/mL	Gravimetric
	CAS # 13127-88-3	(Lot PR-27801)		+/- 292.6047	µg/mL	Unstressed
	Purity 99%			+/- 355.0324	µg/mL	Stressed
3	2,4,6-Tribromophenol		10,057.2 µg/mL	+/- 58.8871	µg/mL	Gravimetric
	CAS # 118-79-6	(Lot 29699MJV)		+/- 293.5855	µg/mL	Unstressed
	Purity 99%			+/- 356.2225	µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

ID #: 10707
Opened:
Acid Surrogate Standard Mix (4/89)
Expires: 4/30/2023
Rec'd: 8/24/2018
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

Certificate of Analysis

EPA 8270 ACIDS SURROGATE SPIKE MIX HC,1X1ML,10MG/ML,METHANOL

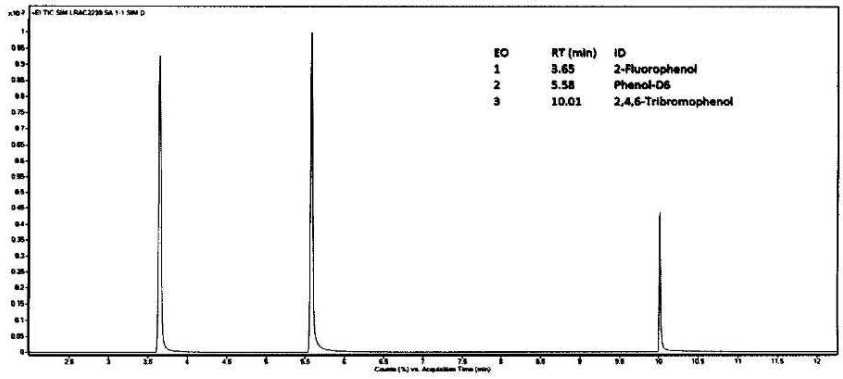
Certified Reference Material

Description

Product ID 47260-U
Lot LRAC2239
Expiration Date March 2022
Manufacturing Date March 2019
Storage Conditions Room Temperature
Solvent/Matrix METHANOL

Certified Values

Analyte	*Units*	*Certified Value* [1,4]	*Raw Material Purity,%*	*Analytical Value*	*Elution order*	*Raw Material Lot*	*CAS*
2-FLUOROPHENOL	µg/mL	9930 ± 288	99.9	10037	1	LB92543	367-12-4
PHENOL-D6	µg/mL	9930 ± 290	99.4	9900	2	LB91168	13127-88-3
2,4,6-TRIBROMOPHENOL	µg/mL	9930 ± 318	99.7	9900	3	LB81262	118-79-6



Additional Information:
Analytical Method Parameters:

Column: SLB-5MS, 30 m x 0.25 mm x 0.25 µm df , Flow: 1.0 ml/min
Inlet: 200 °C, Injection Mode: Split, 60:1
80 °C (5 min) to 250 °C (3 min) at 40 °C /min
Detector: MSD, SIM, Transfer line: 250 °C
Injection Volume: 0.5 µL

ID #: 11383
Opened:
EPA 8270 Acids Surrogate Spike Mix HC
Expires: 3/31/2022
Rec'd: 4/10/2019
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ANAB ACCREDITED REFERENCE MATERIAL PRODUCTS
ANAB ACCREDITED TESTING LABORATORY

SIGMA-ALDRICH®
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
307-742-5452
rtztechgroup@sial.com www.sigma-aldrich.com

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-6237A-R1
Description: Custom BNA Mix
Lot: 219041483
Solvent: Dichloromethane
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Apr 24, 2019
Expiration: May 24, 2021
Sample Size: 1 mL
Components: 6
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED AR-1463 ANAB ACCREDITED AT-1339 ILAC-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
4-Chloro-2-methylphenol	1570-64-5	97.0	2068*	2006
4-Chlorophenol	106-48-9	98.6	2000	1972
1-Methylnaphthalene	90-12-0	98.4	2000	1968
Pyridine	110-86-1	98.7	2008	1982
o-Terphenyl	84-15-1	99.9	2000	1998
Triallate	2303-17-5	99.9	2004	2002

ID #: 11451
Opened:
Custom BNA Mix
Expires: 5/24/2021
Rec'd: 5/2/2019
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Certified By: Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 93726
Lot Number: 050818
Description: Tetraethyllead

Solvent(s): Methylene chloride Lot# 76782

Expiration Date: 050823
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 2684186

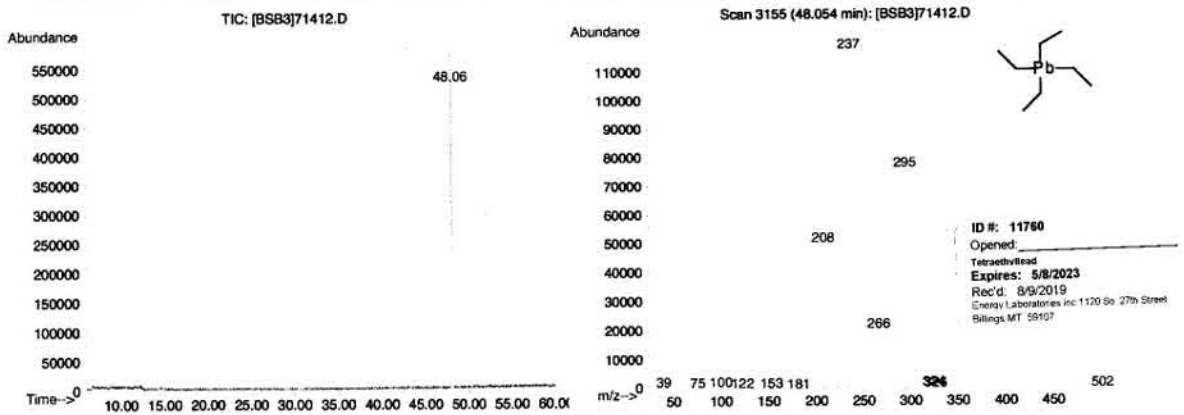
Weight(s) shown below were combined and diluted to (mL): 50.0

5E-05 Balance Uncertainty
0.010 Flask Uncertainty

Formulated By:	Justin Dippold	050818 DATE
Reviewed By:	Pedro L. Rentas	050818 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Tetraethyllead	1412	15309DO	2000	99.99	0.2	0.10001	0.10025	2004.7	8.3	78-00-2	0.075mg/m3/8H(skin)	ori-rat 12300ug/kg

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. Analysis performed by Candice Warren.



ID #: 11760
Opened: _____
Tetraethyllead
Expires: 5/8/2023
Rec'd: 8/9/2019
Energy Laboratories inc 1120 So 27th Street Billings,MT 59107

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

2

Honeywell

CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
www.lab-honeywell.com

Brand:	Research Chemicals - B&J
Product:	CS299AA-200
Lot No.:	DX975
Production Date:	16-Dec-2019
Best Before:	15-Dec-2021

Dichloromethane, Custom, Contains Amylene Preservative, >99.9%
for pesticide residue analysis

Parameter	Specification Min.	Max.	Result	Units
Water by Karl Fischer Titration		0.010	0.0014	%
UV Cutoff		233	230	nm
Refractive Index (20°C)	1.4236	1.4246	1.4243	
Residue		1	<0.5	mg/L
GC Analysis	99.9		>99.99	%
Acidity (as HCl)		1	<1	mg/L
Chloride		10	<10	mg/L
Electron Capture GC		10	<10	ng/L
Flame Ionization GC		5	<5	ppb
UV Absorbance @ 240 nm		0.100	0.0898	AU
UV Absorbance @ 250 nm		0.010	0.0097	AU
UV Absorbance @ 300 nm		0.005	0.0004	AU
UV Absorbance @ 400 nm		0.005	0.0020	AU

ID #: 12485
Opened:
Dichloromethane DX975
Expires: 12/15/2021
Rec'd: 3/10/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Honeywell
Quality Control Approval

Muskegon 12/16/2019 LIMS Sample No.: AK03676

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31029 **Lot No.:** A0157111

Description : 604 Phenols Calibration Mix

604 Calibration Std Phenols 2000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

ID #: 12512
Opened:
604 Phenols Calibration Mix
Expires: 1/31/2028
Rec'd: 3/17/2020
Energy Laboratories Inc 1120 So. 27th Street Billings MT 59107

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.I., K=2)	
1	Phenol **CAS #** 108-95-2 **Purity** 99%	(Lot SHBF9719V)	2,004.0 µg/mL	+/- 11.9032 µg/mL +/- 58.5341 µg/mL +/- 71.0092 µg/mL	Gravimetric Unstressed Stressed
2	2-Chlorophenol **CAS #** 95-57-8 **Purity** 99%	(Lot STBH7290)	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 58.4173 µg/mL +/- 70.8674 µg/mL	Gravimetric Unstressed Stressed
3	2-Nitrophenol **CAS #** 88-75-5 **Purity** 99%	(Lot BCBH7602V)	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 58.4173 µg/mL +/- 70.8674 µg/mL	Gravimetric Unstressed Stressed
4	2,4-Dimethylphenol **CAS #** 105-67-9 **Purity** 99%	(Lot 10165155)	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 58.4173 µg/mL +/- 70.8674 µg/mL	Gravimetric Unstressed Stressed
5	2,4-Dichlorophenol **CAS #** 120-83-2 **Purity** 99%	(Lot BCBJ8113V)	2,004.0 µg/mL	+/- 11.9032 µg/mL +/- 58.5341 µg/mL +/- 71.0092 µg/mL	Gravimetric Unstressed Stressed
6	4-Chloro-3-methylphenol **CAS #** 59-50-7 **Purity** 99%	(Lot STBC7309V)	2,004.0 µg/mL	+/- 11.9032 µg/mL +/- 58.5341 µg/mL +/- 71.0092 µg/mL	Gravimetric Unstressed Stressed
7	2,4,6-Trichlorophenol **CAS #** 88-06-2 **Purity** 99%	(Lot STBH7520)	2,002.0 µg/mL	+/- 11.8913 µg/mL +/- 58.4757 µg/mL +/- 70.9383 µg/mL	Gravimetric Unstressed Stressed

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 64480
Lot Number: 031620
Description: BNA 2nd Source Standard Rev 1
5 components
Expiration Date: 031623
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent: Methylene chloride **Lot#** 104929

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.003 Flask Uncertainty

Gabriel Helland 031620
Formulated By: Gabriel Helland DATE

Pedro Rentas 031620
Reviewed By: Pedro L. Rentas DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Aniline	11	03929TV	2000	99	0.2	0.04043	0.04075	2015.9	9.6	62-53-3	5 ppm (8H)	orl-rat 250mg/kg
2.	Benzidine	27	SLBH5327V	2000	98	0.2	0.04084	0.04088	2001.9	9.5	92-87-5	N/A	orl-rat 309mg/kg
3.	4-Chloroaniline	67	052597	2000	98	0.2	0.04084	0.04094	2004.9	9.6	106-47-8	N/A	orl-rat 310mg/kg
4.	3,3'-Dichlorobenzidine	130	040919	2000	98	0.2	0.04084	0.04087	2001.5	9.5	91-94-1	Cancer Suspect Agent	orl-rat 3.82g/kg
5.	Pyridine	260	SHBG3194V	2000	99.8	0.2	0.04010	0.04030	2009.8	9.5	110-86-1	5 ppm (15mg/m3/8H)	orl-rat 891mg/kg

ID #: 12532
Opened:_____
BNA 2nd Source Standard Rev 1
Expires: 3/16/2023
Rec'd: 3/23/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Certificate of Analysis

TCL PAH
MIX,1X1ML,2000UG/ML,BENZENE:DICHLOROMETHANE

Certified Reference Material

Description

Product ID CRM48905
Lot **LRAC3877**
Expiration Date September 2022
Manufacturing Date September 2019
Storage Conditions Refrigerate
Solvent/Matrix methylene chloride: benzene (1:1)

Certified Values

Analyte	*Certified Value* [1,4]	*Units*	*Raw Material Purity,%*	*Analytical Value* [6]	*Elution order*	*Raw Material Lot*	*CAS*
NAPHTHALENE	2000 ± 32	µg/mL	100.0	2022	01	01112017-5	91-20-
ACENAPHTHYLENE	2000 ± 66	µg/mL	99.8	2005	02	LC21494	208-96-
ACENAPHTHENE	2000 ± 63	µg/mL	99.9	2031	03	MKCC8329	83-32-
FLUORENE	2000 ± 90	µg/mL	99.4	2009	04	LC19126	86-73-
PHENANTHRENE	2000 ± 56	µg/mL	99.6	2043	05	MKCD3760	85-01-
ANTHRACENE	2000 ± 39	µg/mL	99.9	2005	06	LC14310	120-12-
FLUORANTHENE	2000 ± 69	µg/mL	98.5	2031	07	LB99099	206-44-
PYRENE	2000 ± 68	µg/mL	91.6	2078	08	LB70761	129-00-
BENZO (A) ANTHRACENE	2000 ± 63	µg/mL	99.9	2002	09	LC19271	56-55-
CHRYSENE	2000 ± 59	µg/mL	99.0	2026	10	21L74	218-01-
BENZO (B) FLUORANTHENE	2000 ± 62	µg/mL	99.5	1998	11	LB95773	205-99-
BENZO (K) FLUORANTHENE	2000 ± 62	µg/mL	99.9	2043	12	0000029501	207-08-
BENZO(A)PYRENE	2002 ± 64	µg/mL	99.6	2037	13	LB73826	50-32-
DIBENZ (A,H) ANTHRACENE	2000 ± 64	µg/mL	99.0	2050	14	0012014	53-70-
BENZO (G,H,I) PERYLENE	2000 ± 67	µg/mL	98.5	2059	15	LC19498	191-24-
INDENO (1,2,3-CD) PYRENE	2000 ± 64	µg/mL	99.5	1995	16	ER082107-02	193-39-

ID #: 12846
Opened:
TCL PAH
Expires: 9/30/2022
Rec'd: 7/13/2020
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

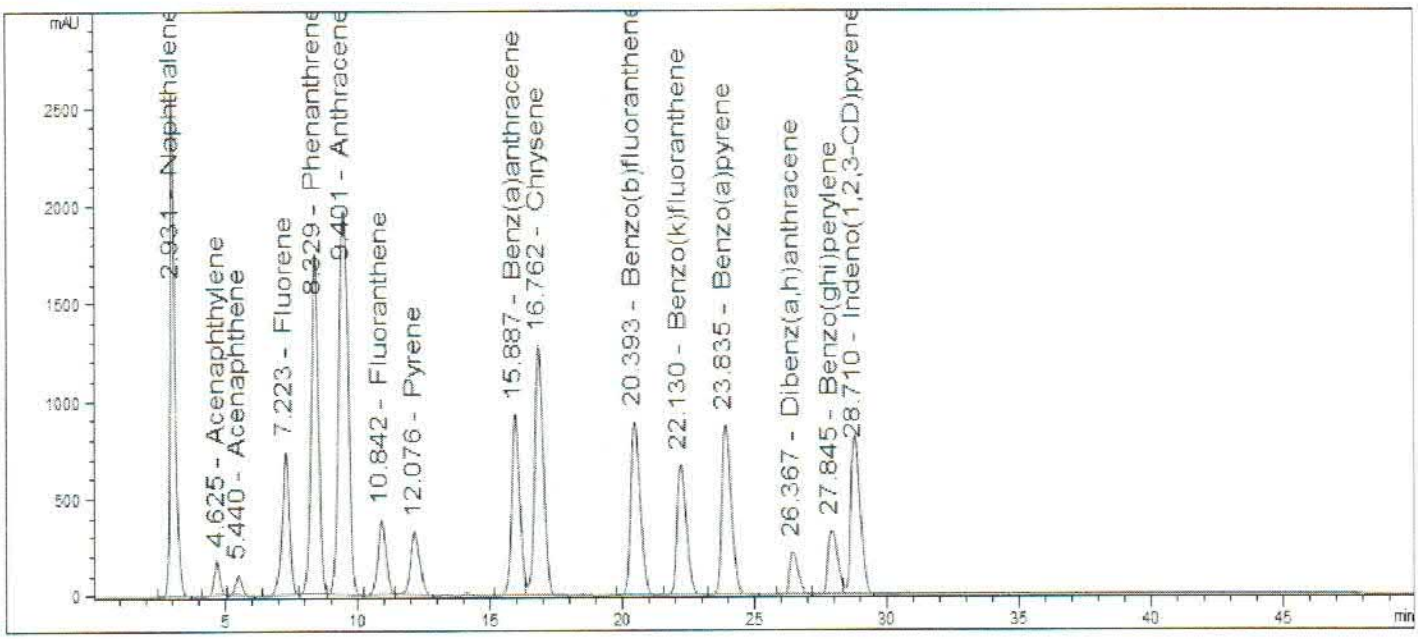
ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED TESTING LABORATORY

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
307-742-5452
rtctechgroup@sial.com
www.sigma-aldrich.com

Description

Lot LRAC3877
Expiration Date September 2022
Manufacturing Date September 2019
Storage Conditions Refrigerate
Solvent/Matrix methylene chloride: benzene (1:1)

Informational Values



Additional Information:

Analytical Method Parameters:
Column: Supelco LC-PAH, 250 mm x 4.6mm, 5µm particle size
Mobile Phase A: Water
Mobile Phase B: Acetonitrile
Detector: UV/DAD/VWD, Wavelength: 254 nm
Flow Rate: 1.7 mL/min
Column Temperature: 30 °C
Injection Volume: 2 µL

Gradient

TIME (min)	A%	B%
0	40	60
5	40	60
30	0	100
45	0	100
50	40	60

Certificate of Analysis

TCL PAH
MIX,1X1ML,2000UG/ML,BENZENE:DICHLOROMETHANE

Certified Reference Material

Description

Product ID CRM48905
Lot **LRAC3877**
Expiration Date September 2022
Manufacturing Date September 2019
Storage Conditions Refrigerate
Solvent/Matrix methylene chloride: benzene (1:1)

1 **Metrological traceability:** Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
4 Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u^2_{char} + u^2_{hom.\ ogeneity} + u^2_{stability}}$$

k: Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence interval** = 95%

6 Analytical Value- For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

Traceability: The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were preformed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Homogeneity: Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

Expiration is at end of month given on certificate and label.

THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH **ISO/IEC 17025:2017 (ANAB Cert AT-1467)** and **ISO 17034:2016 (ANAB Cert AR-1470).**

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Certification Date October 17, 2019
Version 0-10172019

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
307-742-5452
rtctechgroup@sial.com www.sigma-aldrich.com

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0166081

Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2026 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

ID #: 13328
Opened:
B/N Surrogate Mix (4/89 SOW)
Expires: 10/31/2026
Rec'd: 12/14/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99% (Lot PR-29940B)	5,017.7 µg/mL	+/- 29.1731 µg/mL +/- 225.9987 µg/mL +/- 250.7735 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99% (Lot 00019169)	5,049.7 µg/mL	+/- 29.3592 µg/mL +/- 227.4400 µg/mL +/- 252.3728 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 **Purity** 99% (Lot PR-27278)	5,029.9 µg/mL	+/- 29.2444 µg/mL +/- 226.5505 µg/mL +/- 251.3857 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

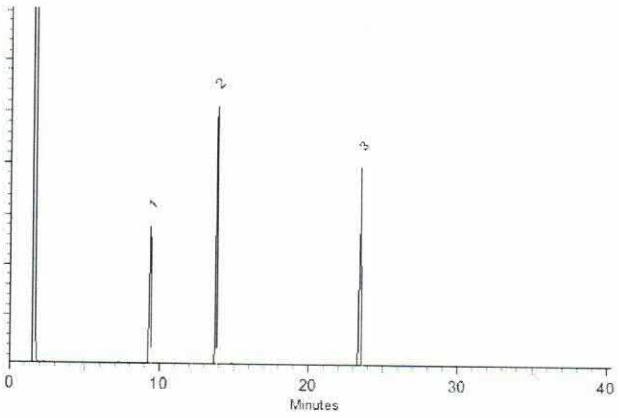
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dalton Stover - Operations Technician I

Date Mixed: 04-Nov-2020 **Balance:** 1128353505

Justine Albertson - Operations Tech-ARM QC

Date Passed: 06-Nov-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Certificate of Analysis

TCL BASE-NEUTRALS MIX,1X1ML,2000UG/ML,DICHLOROMETHANE

Certified Reference Material

Description

Product ID 47991-U
Lot **LRAC4915**
Expiration Date January 2023
Manufacturing Date January 2020
Storage Conditions Refrigerate
Solvent/Matrix DICHLOROMETHANE

ID #: 13494
Opened:_____
TCL Base-Neutrals Mix
Expires: 1/31/2023
Rec'd: 1/20/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certified Values

Analyte	*Certified Value* [1,4]	*Units*	*Raw Material Purity,%*	*Elution order*	*Raw Material Lot*	*CAS*
N-NITROSODIMETHYLAMINE	1999 ± 39	µg/mL	98.1	1	11-RFS-142-1	62-75-9
BIS (2-CHLOROETHYL) ETHER	2003 ± 42	µg/mL	99.4	2	06413MS	111-44-4
1,3-DICHLOROBENZENE	2001 ± 47	µg/mL	99.6	3	11221HC	541-73-1
1,4-DICHLOROBENZENE	2000 ± 66	µg/mL	99.9	4	MKBG7690V	106-46-7
1,2-DICHLOROBENZENE	2005 ± 65	µg/mL	99.4	5	LB58923	95-50-1
BIS (2-CHLOROISOPROPYL) ETHER	2000 ± 45	µg/mL	96.7	6	LC19632	108-60-1
N-NITROSODI-N-PROPYLAMINE	2001 ± 36	µg/mL	100.0	7	2D5VJ-PB	621-64-7
HEXACHLOROETHANE	2000 ± 125	µg/mL	99.9	8	12719AO	67-72-1
NITROBENZENE	2000 ± 53	µg/mL	99.9	9	LB47070	98-95-3
ISOPHORONE	1999 ± 34	µg/mL	99.5	10	LC14006	78-59-1
BIS (2-CHLOROETHOXY) METHANE	2000 ± 33	µg/mL	98.7	11	LB46081	111-91-1
1,2,4-TRICHLOROBENZENE	2003 ± 91	µg/mL	99.9	12	447	120-82-1
HEXACHLOROBUTADIENE	1999 ± 97	µg/mL	97.2	13	MKCG6212	87-68-3
HEXACHLOROCYCLOPENTADIENE	2001 ± 111	µg/mL	96.0	14	LB95525	77-47-4
2-CHLORONAPHTHALENE	2000 ± 120	µg/mL	99.9	15	LC11403	91-58-7
DIMETHYL PHTHALATE	2006 ± 44	µg/mL	99.9	16	LB30494	131-11-3
2,6-DINITROTOLUENE	2000 ± 91	µg/mL	99.2	17	11231AN	606-20-2
2,4-DINITROTOLUENE	2000 ± 71	µg/mL	98.9	18	12316HF	121-14-2
DIETHYL PHTHALATE	1998 ± 51	µg/mL	99.9	19	207	84-66-2
4-CHLOROPHENYLPHENYL ETHER	2006 ± 52	µg/mL	99.3	20	JS00081	7005-72-3
N-NITROSODIPHENYLAMINE	2000 ± 72	µg/mL	95.5	21	LC07185	86-30-6
AZOBENZENE	2000 ± 48	µg/mL	98.2	22	BCBS6535V	103-33-3
4-BROMOPHENYLPHENYL ETHER	2006 ± 48	µg/mL	99.0	23	05916LS	101-55-3

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED TESTING LABORATORY

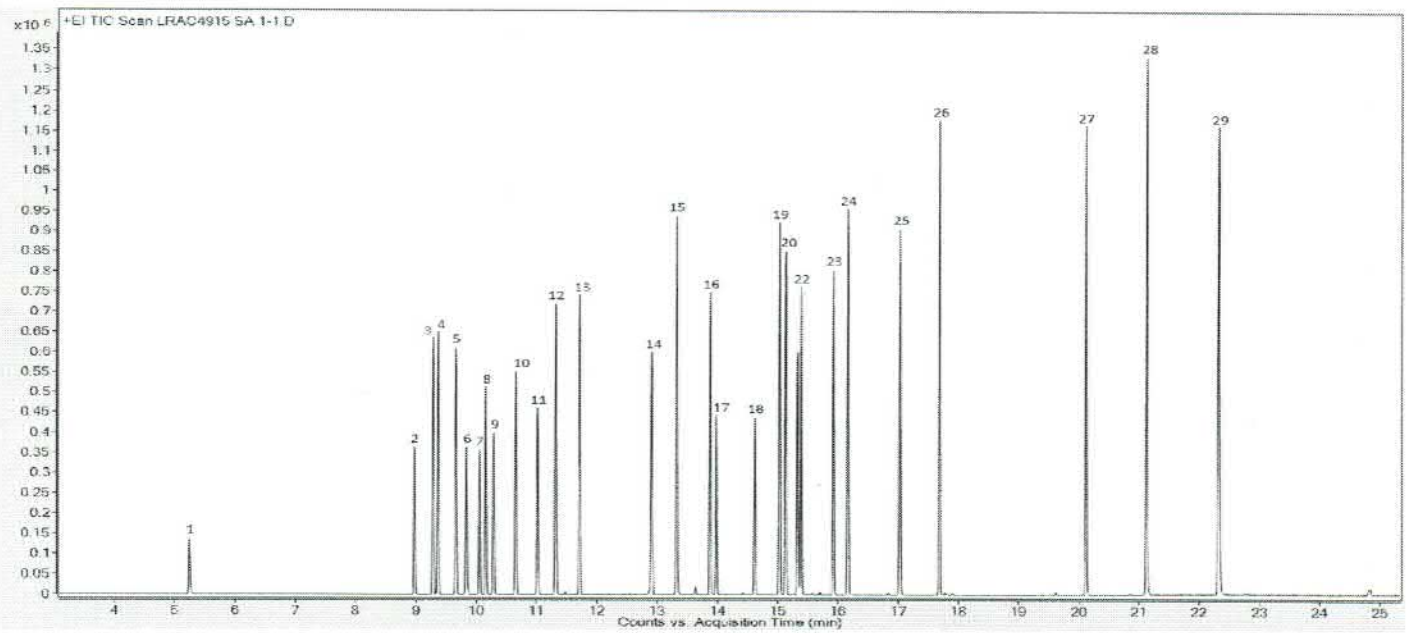
SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
800-325-5832
TechService@milliporesigma.com www.sigma-aldrich.com

Description

Lot LRAC4915
Expiration Date January 2023
Manufacturing Date January 2020
Storage Conditions Refrigerate
Solvent/Matrix DICHLOROMETHANE

HEXACHLOROBENZENE	2000 ± 116	µg/mL	98.0	24	1-AWT-44-1	118-74-1
CARBAZOLE	2000 ± 117	µg/mL	98.1	25	LC13236	86-74-8
DI-N-BUTYL PHTHALATE	1999 ± 81	µg/mL	99.9	26	10202KN	84-74-2
BENZYL BUTYL PHTHALATE	2001 ± 40	µg/mL	99.0	27	1628	85-68-7
BIS (2-ETHYLHEXYL) PHTHALATE	1999 ± 51	µg/mL	99.7	28	LB39572	117-81-7
DI-N-OCTYL PHTHALATE	2004 ± 51	µg/mL	98.3	29	BCBR9722V	117-84-0

Informational Values



Certificate of Analysis

TCL BASE-NEUTRALS
MIX,1X1ML,2000UG/ML,DICHLOROMETHANE

Certified Reference Material

Description

Product ID 47991-U
Lot **LRAC4915**
Expiration Date January 2023
Manufacturing Date January 2020
Storage Conditions Refrigerate
Solvent/Matrix DICHLOROMETHANE

ELUTION DETAILS

EO	RT(MIN)	ANALYTE
1	5.25	N-nitrosodimethylamine
2	8.98	Bis-(2-chloroethyl) ether
3	9.29	1,3-dichlorobenzene
4	9.37	1,4-dichlorobenzene
5	9.67	1,2-dichlorobenzene
6	9.84	Bis-(2-chloroisopropyl) ether
7	10.06	N-nitrosodipropylamine
8	10.16	Hexachloroethane
9	10.29	Nitrobenzene
10	10.66	Isophorone
11	11.02	Bis-(2-chloroethoxy) methane
12	11.32	1,2,4-trichlorobenzene
13	11.72	Hexachlorobutadiene
14	12.91	Hexachlorocyclopentadiene
15	13.33	2-chloronaphthalene
16	13.88	Dimethyl phthalate
17	13.99	2,6-dinitrotoluene
18	14.62	2,4-dinitrotoluene
19	15.03	Diethyl Phthalate
20	15.13	4-chlorodiphenylether
21	15.33	N-nitrosodiphenylamine
22	15.39	Azobenzene
23	15.93	4-bromodiphenylether
24	16.17	Hexachlorobenzene
25	17.04	Carbazole
26	17.69	Dibutyl phthalate
27	20.12	Benzyl butyl phthalate
28	21.13	Bis-(2-ethylhexyl) phthalate
29	22.33	Di-n-octyl phthalate

Additional Information:

Analytical Method Parameters:
Column: SPB-5, 30 m × 0.25 mm I.D., 0.25 µm film thickness (Column #230)
Carrier Gas: He, Flow: 0.8 mL/min
Inlet Temperature: 240 °C, Injection Volume: 0.5 µL
Injection Mode: Split with Split Ratio 70:1
Temperature Program: 40 °C (Hold 3 min) @ 15 °C/min to 300 °C (Hold 5 min)
Detector: MSD, Mode: FS, Mass Range: 40-400 m/z, Scan Rate: 4 scans/sec Solvent delay: 3.0 min
Detector Temperature: Transfer line: 300 °C, Ion Source: 230 °C, and Quadrupole: 150 °C

Description

Lot **LRAC4915**
Expiration Date January 2023
Manufacturing Date January 2020
Storage Conditions Refrigerate
Solvent/Matrix DICHLOROMETHANE

1 **Metrological traceability:** Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
4 Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u^2_{char} + u^2_{hom.\ ogeneity} + u^2_{stability}}$$

k: Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence Interval = 95%**

6 Analytical Value- For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

Traceability: The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were preformed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Homogeneity: Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

Expiration is at end of month given on certificate and label.

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH **ISO/IEC 17025:2017 (ANAB Cert AT-1467)** and **ISO 17034:2016 (ANAB Cert AR-1470).**

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Certification Date February 28, 2020
Version 0-2282020

ID #: 13510
Opened:
Dichloromethane EA342
Expires: 11/17/2022
Rec'd: 1/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Honeywell

CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
lab.honeywell.com

Brand:	Research Chemicals - B&J
Product:	CS299AA-200
Lot No.:	EA342
Production Date:	17-Nov-2020
Best Before:	17-Nov-2022

Dichloromethane, Custom, Contains Amylene Preservative, >99.9%
for pesticide residue analysis

Parameter	Specification Min.	Max.	Result	Units
Water by Karl Fischer Titration		0.010	0.0016	%
UV Cutoff		233	230	nm
Refractive Index (20°C)	1.4236	1.4246	1.4241	
Residue		1	<0.5	mg/L
GC Analysis	99.9		>99.99	%
Acidity (as HCl)		1	<1	mg/L
Chloride		10	<10	mg/L
Electron Capture GC		10	<10	ng/L
Flame Ionization GC		5	<5	ppb
UV Absorbance @ 240 nm		0.100	0.0920	AU
UV Absorbance @ 250 nm		0.010	0.0099	AU
UV Absorbance @ 300 nm		0.005	0.0008	AU
UV Absorbance @ 400 nm		0.005	0.0028	AU

Honeywell
Quality Control Approval

Janna Dickinson

Muskegon 11/17/2020 LIMS Sample No.: AL03611

CERTIFIED WEIGHT REPORT

Part Number: 92180
Lot Number: 020221
Description: CLP Semi-Volatile Calibration Standard
64 components
Expiration Date: 020226
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

Solvent: Methylene chloride **Lot#** 104929

Formulated By:	Eli Aliaga	020221 DATE
Reviewed By:	Pedro L. Rentas	020221 DATE

5E-05 Balance Uncertainty

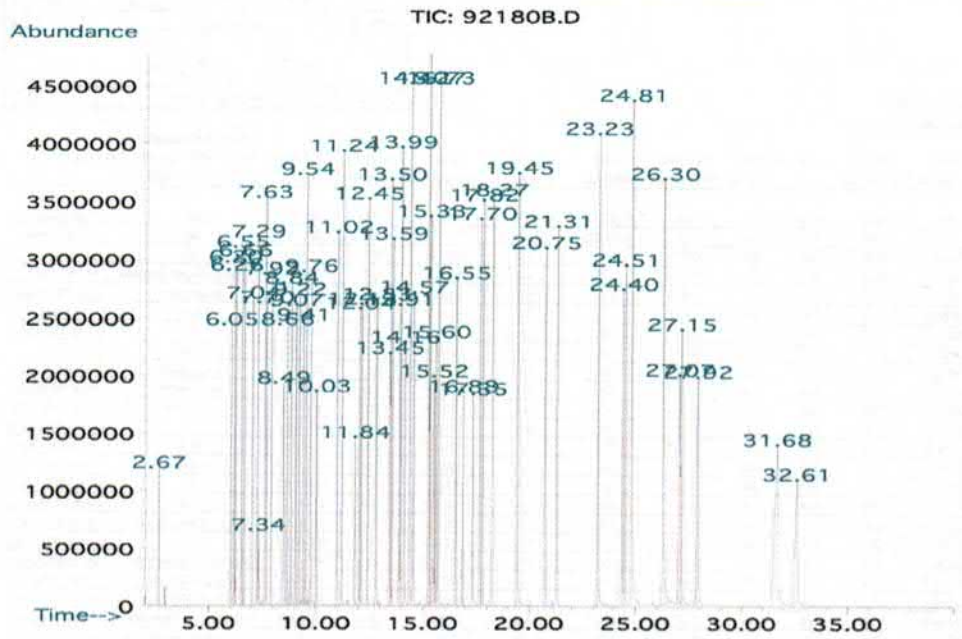
Weight(s) shown below were combined and diluted to (mL): 100.0 0.003 Flask Uncertainty

	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	2,2'-Oxybis(1-chloropropane)	(0078)	012016AR	NA	NA	NA	1000	98.9	0.2	NA	0.10112	0.10135	1002.3	4.2	108-60-1	N/A	orl-rat 240mg/kg
2.	Hexachlorobenzene	(0195)	051697	NA	NA	NA	1000	99	0.2	NA	0.10102	0.10121	1001.9	4.2	118-74-1	N/A	orl-rat 10g/kg
3.	bis(2-Chloroethoxy) methane	10111	011214	0.05	5.00	20018.4	1000	NA	NA	0.017	NA	NA	1000.8	8.0	111-91-1	N/A	N/A
4.	bis(2-Chloroethyl) ether	10111	011214	0.05	5.00	20012.4	1000	NA	NA	0.017	NA	NA	1000.5	8.0	111-44-4	15 ppm (90mg/m3/8H)(skin)	orl-rat 75mg/kg
5.	bis(2-Ethylhexyl) phthalate	10111	011214	0.05	5.00	20014.3	1000	NA	NA	0.017	NA	NA	1000.6	8.0	117-81-7	5mg/m3/8H	orl-rat 30600mg/kg
6.	4-Bromophenyl phenyl ether	10111	011214	0.05	5.00	20008.8	1000	NA	NA	0.017	NA	NA	1000.3	8.0	101-55-3	N/A	N/A
7.	Benzyl butyl phthalate	10111	011214	0.05	5.00	20011.3	1000	NA	NA	0.017	NA	NA	1000.5	8.0	85-68-7	N/A	orl-rat 2330mg/kg
8.	4-Chlorophenyl phenyl ether	10111	011214	0.05	5.00	20009.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	7005-72-3	N/A	N/A
9.	Diethyl phthalate	10111	011214	0.05	5.00	20013.6	1000	NA	NA	0.017	NA	NA	1000.6	8.0	84-66-2	5mg/m3/8H	orl-rat 8600mg/kg
10.	Dimethyl phthalate	10111	011214	0.05	5.00	20015.7	1000	NA	NA	0.017	NA	NA	1000.7	8.0	131-11-3	5mg/m3/8H	orl-rat 6800mg/kg
11.	Di-n-butyl phthalate	10111	011214	0.05	5.00	20011.6	1000	NA	NA	0.017	NA	NA	1000.5	8.0	84-74-2	5mg/m3/8H	orl-rat 8000mg/kg
12.	Di-n-octyl phthalate	10111	011214	0.05	5.00	20012.2	1000	NA	NA	0.017	NA	NA	1000.5	8.0	117-84-0	N/A	orl-rat 47000mg/kg
13.	N-Nitrosodimethylamine	10111	011214	0.05	5.00	20010.0	1000	NA	NA	0.017	NA	NA	1000.4	8.0	62-75-9	N/A	orl-rat 58mg/kg
14.	N-Nitrosodi-n-propylamine	10111	011214	0.05	5.00	20010.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	621-64-7	N/A	orl-rat 480mg/kg
15.	1,2-Diphenylhydrazine (as Azobenzene)	10112	042820	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.1	103-33-3	N/A	orl-rat 1000mg/kg
16.	2-Chloronaphthalene	10112	042820	0.05	5.00	20002.3	1000	NA	NA	0.017	NA	NA	1000.0	8.0	91-58-7	N/A	orl-rat 2078mg/kg
17.	1,2-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
18.	1,3-Dichlorobenzene	10112	042820	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	541-73-1	N/A	ipr-mus 1062mg/kg
19.	1,4-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
20.	2,4-Dinitrotoluene	10112	042820	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	121-14-2	1.5mg/m3/8H (skin)	orl-rat 268mg/kg
21.	2,6-Dinitrotoluene	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	606-20-2	1.5mg/m3/8H (skin)	orl-rat 177mg/kg
22.	Hexachloro-1,3-butadiene	10112	042820	0.05	5.00	20009.4	1000	NA	NA	0.017	NA	NA	1000.4	12.4	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
23.	Hexachlorocyclopentadiene	10112	042820	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	77-47-4	0.01 ppm (0.1mg/m3/8H)	orl-rat 1300mg/kg
24.	Hexachloroethane	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
25.	Isophorone	10112	042820	0.05	5.00	20003.8	1000	NA	NA	0.017	NA	NA	1000.1	8.1	78-59-1	25 ppm	orl-rat 2330mg/kg
26.	Nitrobenzene	10112	042820	0.05	5.00	20004.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
27.	1,2,4-Trichlorobenzene	10112	042820	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
28.	o-Cresol (2-Methylphenol)	10114	081919	0.05	5.00	20010.2	1000	NA	NA	0.017	NA	NA	1000.4	8.0	95-48-7	5 ppm (22mg/m3/8H)(skin)	orl-rat 121mg/kg
29.	p-Cresol (4-Methylphenol)	10114	081919	0.05	5.00	20061.2	1000	NA	NA	0.017	NA	NA	1003.0	8.0	106-44-5	5 ppm (22mg/m3/8H)(skin)	orl-rat 207mg/kg
30.	2,4,5-Trichlorophenol	10114	081919	0.05	5.00	20023.2	1000	NA	NA	0.017	NA	NA	1001.1	8.0	95-95-4	N/A	orl-rat 820mg/kg
31.	4-Chloroaniline	10115	060512	0.05	5.00	20009.6	1000	NA	NA	0.017	NA	NA	1000.4	8.0	106-47-8	N/A	orl-rat 310mg/kg
32.	Dibenzofuran	10115	060512	0.05	5.00	20020.2	1000	NA	NA	0.017	NA	NA	1000.9	8.0	132-64-9	N/A	N/A
33.	2-Methylnaphthalene	10115	060512	0.05	5.00	20012.9	1000	NA	NA	0.017	NA	NA	1000.5	8.1	91-57-6	N/A	orl-rat 1630mg/kg
34.	2-Nitroaniline	10115	060512	0.05	5.00	20011.8	1000	NA	NA	0.017	NA	NA	1000.5	8.0	88-74-4	N/A	orl-rat 1600mg/kg
35.	3-Nitroaniline	10115	060512	0.05	5.00	20018.6	1000	NA	NA	0.017	NA	NA	1000.8	8.0	99-09-2	N/A	orl-rat 535mg/kg
36.	4-Nitroaniline	10115	060512	0.05	5.00	20014.9	1000	NA	NA	0.017	NA	NA	1000.6	8.0	100-01-6	1 ppm (6mg/m3/8H)(skin)	orl-rat 750mg/kg
37.	4-Chloro-3-methylphenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	59-50-7	N/A	orl-rat 1830mg/kg
38.	2-Chlorophenol	10118	072120	0.05	5.00	20002.9	1000	NA	NA	0.017	NA	NA	1000.0	8.0	95-57-8	N/A	orl-rat 670mg/kg
39.	2,4-Dichlorophenol	10118	072120	0.05	5.00	20003.1	1000	NA	NA	0.017	NA	NA	1000.1	8.0	120-83-2	N/A	orl-rat 580mg/kg
40.	2,4-Dimethylphenol	10118	072120	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	105-67-9	N/A	orl-rat 3200mg/kg
41.	2,4-Dinitrophenol	10118	072120	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	51-28-5	N/A	orl-rat 30mg/kg
42.	4,6-Dinitro-2-methylphenol	10118	072120	0.05	5.00	20002.5	1000	NA	NA	0.017	NA	NA	1000.0	8.0	534-52-1	N/A	N/A
43.	2-Nitrophenol	10118	072120	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-75-5	N/A	orl-rat 334mg/kg
44.	4-Nitrophenol	10118	072120	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	100-02-7	N/A	orl-rat 250mg/kg
45.	Pentachlorophenol	10118	072120	0.05	5.00	20002.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg
46.	Phenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	108-95-2	5 ppm (19mg/m3/8H)(skin)	orl-rat 317mg/kg
47.	2,4,6-Trichlorophenol	10118	072120	0.05	5.00	20004.2	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-06-2	N/A	orl-rat 820mg/kg
48.	Acenaphthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	83-32-9	N/A	ipr-rat 600mg/kg
49.	Acenaphthylene	10007	042420	0.50	50.00	2000.2	1000	NA	NA	0.018	NA	NA	1000.0	4.2	208-96-8	N/A	N/A
50.	Anthracene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.1	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
51.	Benzo(a)anthracene	10007	042420	0.50	50.00	2001.3	1000	NA	NA	0.018	NA	NA	1000.6	4.2	56-55-3	N/A	N/A
52.	Benzo(a)pyrene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
53.	Benzo(b)fluoranthene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	205-99-2	N/A	N/A
54.	Benzo(k)fluoranthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	207-08-9	N/A	N/A
55.	Benzo(g,h,i)perylene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	191-24-2	N/A	N/A
56.	Carbazole	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.0	4.2	86-74-8	N/A	ipr-mus 200mg/kg
57.	Chrysene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	218-01-9	0.2mg/m3	N/A
58.	Dibenzo(a,h)anthracene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	53-70-3	0.2mg/m3	N/A
59.	Fluoranthene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.2	206-44-0	N/A	orl-rat 2000mg/kg
60.	Fluorene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.3	4.2	86-73-7	N/A	ipr-mus 2 g/kg
61.	Indeno(1,2,3-cd)pyrene	10007	042420	0.50	50.00	2000.1	1000	NA	NA	0.018	NA	NA	1000.0	4.1	193-39-5	N/A	N/A
62.	Naphthalene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
63.	Phenanthrene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
64.	Pyrene	10007	042420	0.50	50.00	2001.0	1000	NA	NA	0.018	NA	NA	1000.4	4.2	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

ID #: 13539
Opened:_____
CLP Semi-Volatiel Calibration Standard
Expires: 2/2/2026
Rec'd: 2/5/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Method GC8MSD-2.M: Column:SBB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14 min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 290°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Melissa Stonier.



Peak No	Name	MSD RT (min.)
1	N-nitrosodimethylamine	2.67
2	Phenol	6.05
3	bis(2-Chloroethyl)ether	6.20
4	2-Chlorophenol	6.26
5	1,3-Dichlorobenzene	6.55
6	1,4-Dichlorobenzene	6.63
7	1,2-Dichlorobenzene	7.04
8	o-Cresol (2-methylphenol)	7.29
9	bis(2-Chloroisopropyl)ether	7.34
10	p-Cresol (4-methylphenol)/N-nitrosodi-n-propylamine	7.63
11	Hexachloroethane	7.70
12	Nitrobenzene	7.92
13	Isophorone	8.49
14	2-Nitrophenol	8.66
15	2,4-Dimethylphenol	8.84
16	bis(2-Chloroethoxy)methane	9.07
17	2,4-Dichlorophenol	9.22
18	1,2,4-Trichlorobenzene	9.41
19	Naphthalene	9.54
20	4-Chloroaniline	9.76
21	Hexachloro-1,3-butadiene	10.03
22	4-Chloro-3-methylphenol	11.02
23	2-Methylnaphthalene	11.24
24	Hexachlorocyclopentadiene	11.84
25	2,4,6-Trichlorophenol	12.04
26	2,4,5-Trichlorophenol	12.13
27	2-Chloronaphthalene	12.45
28	2-Nitroaniline	12.84
29	Dimethyl phthalate	13.45
30	Acenaphthylene	13.50
31	2,6-Dinitrotoluene	13.59
32	3-Nitroaniline	13.91
33	Acenaphthene	13.99
34	2,4-Dinitrophenol	14.16
35	Dibenzofuran/4-Nitrophenol	14.40
36	2,4-Dinitrotoluene	14.57
37	Diethyl phthalate/Fluorene	15.27
38	4-Chlorophenyl phenyl ether	15.33
39	4-Nitroaniline	15.52
40	4,6-Dinitro-2-methylphenol	15.60
41	Azobenzene	15.73
42	4-Bromophenyl phenyl ether	16.56
43	Hexachlorobenzene	16.89
44	Pentachlorophenol	13.35
45	Phenanthrene	17.70
46	Anthracene	17.82
47	Carbazole	18.27
48	Di-n-butyl phthalate	19.45
49	Fluoranthene	20.75
50	Pyrene	21.31
51	Benzyl butyl phthalate	23.23
52	Benzo(a)anthracene	24.40
53	Chrysene	24.51
54	bis(2-Ehtylhexyl)phthalate	24.82
55	Di-n-octyl phthalate	26.30
56	Benzo(b)fluoranthene	27.07
57	Benzo(k)fluoranthene	27.15
58	Benzo(a)pyrene	27.92
59	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	31.68
60	Benzo(g,h,i)perylene	32.61

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31062 **Lot No.:** A0167670

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 4/89(SOW) 5000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940B) **Purity** 99%	5,014.0 µg/mL	+/- 29.3583 µg/mL +/- 225.8621 µg/mL +/- 250.6163 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00019169) **Purity** 99%	5,019.6 µg/mL	+/- 29.3911 µg/mL +/- 226.1143 µg/mL +/- 250.8962 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-27278) **Purity** 99%	5,020.6 µg/mL	+/- 29.3967 µg/mL +/- 226.1576 µg/mL +/- 250.9442 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

ID #: 13666
Opened:
B/N Surrogate Mix (4/89 SOW)
Expires: 11/30/2026
Rec'd: 3/19/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

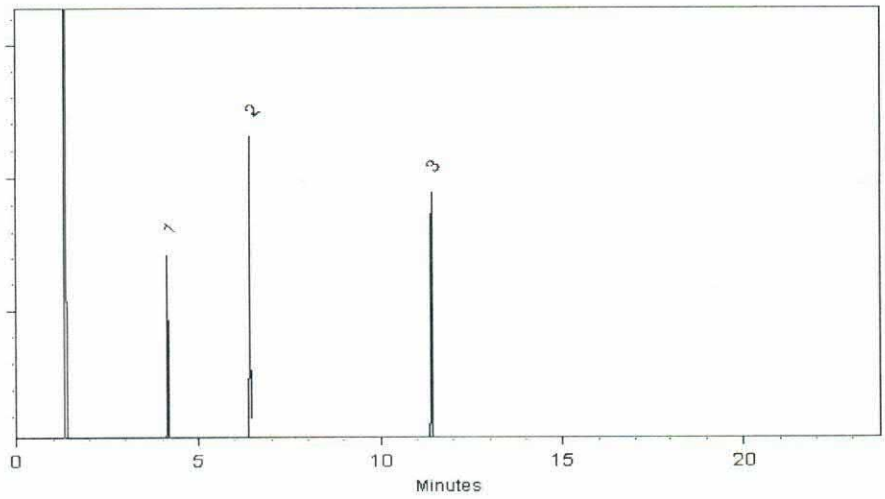
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGinnl - Operations Tech I

Date Mixed: 30-Dec-2020 **Balance:** 1128353505

Alexis Shelow - Operations Tech I

Date Passed: 06-Jan-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

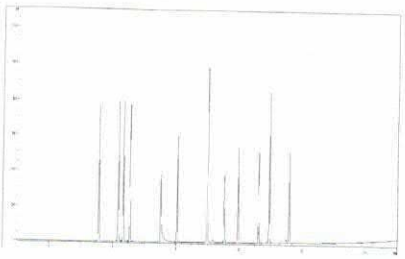
Supelco®

www.sigmaaldrich.com

Certificate of Analysis - Certified Reference Material

EPA TCL Hazardous Substances Mix (12 cmpds)

Product no.: 47990-U
Lot no.: LRAC9004
Expiry Date: February 2024
Manufacturing Date: February 2021
Storage: Refrigerate
Solvent/Matrix: Dichloromethane
Certificate version: LRAC9004.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*



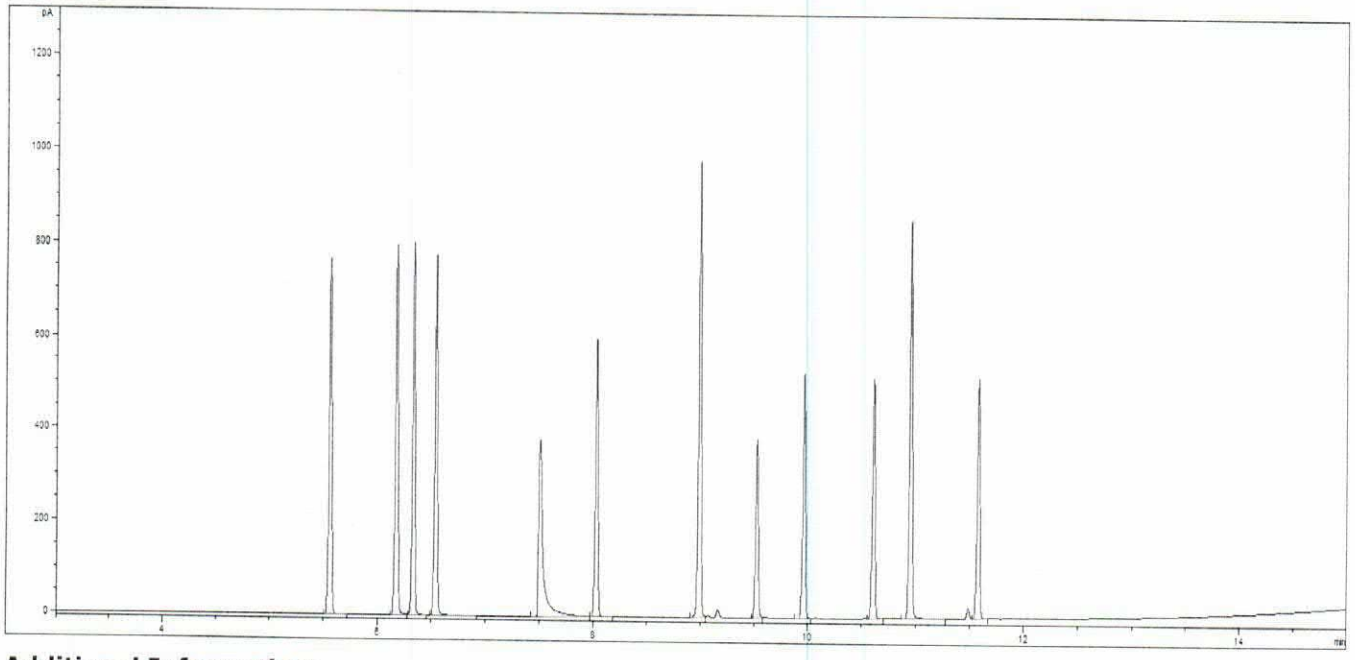
Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Elution order*	*Raw Material Lot*
ANILINE CAS# 62-53-3	2022 ± 25	µg/mL	99.9	01	LA41596
BENZYL ALCOHOL CAS# 100-51-6	2022 ± 15	µg/mL	99.7	02	LB99705
2-METHYLPHENOL CAS# 95-48-7	2022 ± 14	µg/mL	99.9	03	LB91878
4-METHYLPHENOL CAS# 106-44-5	2022 ± 17	µg/mL	99.9	04	LB32518
BENZOIC ACID CAS# 65-85-0	2021 ± 27	µg/mL	98.8	05	442-137B
4-CHLOROANILINE CAS# 106-47-8	2022 ± 32	µg/mL	100.0	06	MKBZ6909V
2,4,5-TRICHLOROPHENOL CAS# 95-95-4	2022 ± 18	µg/mL	99.9	07	JS00008
2-METHYLNAPHTHALENE CAS# 91-57-6	2021 ± 11	µg/mL	98.2	08	LB97828
2-NITROANILINE CAS# 88-74-4	2022 ± 12	µg/mL	99.9	09	07411KN
3-NITROANILINE CAS# 99-09-2	2022 ± 15	µg/mL	99.9	10	LC09264
DIBENZOFURAN CAS# 132-64-9	2021 ± 10	µg/mL	98.8	11	LB78814
4-NITROANILINE CAS# 100-01-6	2022 ± 23	µg/mL	99.9	12	15609AA

ID #: 13691
Opened:
EPA TCL Hazardous Substances Mix (12 cmp
Expires: 2/28/2024
Rec'd: 3/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 307-855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Informational Values:



Additional Information:

Analytical Method Parameters:
Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #214)
Carrier Gas: H2, Flow: 4.5 mL/min
Inlet Temperature: 240 °C, Injection Volume: 1 µL
Injection Mode: Split, Split Ratio: 25:1
Temperature Program: 80 °C (Hold 2 min) @ 15 °C/min to 280 °C (Hold 2 min)
Detector: FID
Detector Temperature: 310 °C

Metrological traceability:	Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
Measurement method:	Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.
Intended use:	Intended for R&D and Analytical Use only. Not for drug, household or other uses.
Minimum sample size:	1 µL
Packaging:	1 ML IN AMBER AMPULE
Instructions for handling and correct use:	Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.
Health and safety information:	All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.
Accreditation:	Sigma-Aldrich RTC is accredited by the US accreditation authority ANAB as a registered reference material producer AR-1470 in accordance with ISO 17034.
Certificate issue date:	26-Feb-2021

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Details on metrological traceability:

This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error. Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances. Further traceability to a corresponding Primary Standard may be achieved through a direct comparison assay. Where a Primary Standard is available, the assay value will be included in the specified section of the COA.

Details on metrological traceability:

Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical

$$u_{CRM} = \sqrt{u_{char}^2 + u_{homogeneity}^2 + u_{stability}^2}$$

Homogeneity assessment:

Homogeneity was assessed in accordance with ISO Guide 35. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared by Single Factor Analysis of Variance (ANOVA). The uncertainty due to homogeneity was derived from the ANOVA. Heterogeneity was not detected under the conditions of the ANOVA.

Stability assessment:

Significance of the stability assessment will be demonstrated if the analytical result of the study and the range of values represented by the Expanded Uncertainty do not overlap the result of the original assay and the range of its values represented by the Expanded Uncertainty. The method employed will usually be the same method used to characterize the assay value in the initial

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAC9004.01	26-Feb-2021	Original Release Date

Agilent

ID #: 13854
Opened:
Benzidines Standard
Expires: 4/30/2023
Rec'd: 5/14/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certificate of Analysis

Product Name: Benzidines Standard

Product Number: US-290-1

Lot Number: 0006592783

Lot Issue Date: 03-Mar-2021

Expiration Date: 30-Apr-2023

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
benzidine	000092-87-5	RM10200	2004 ± 10 µg/mL
3,3'-dichlorobenzidine	000091-94-1	RM12559	2001 ± 10 µg/mL

Matrix: methylene chloride (dichloromethane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with the LRQA registered ISO 9001:2015 Quality Management System. Cert # 10303760
Page: 1 of 1
www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.cor

CERTIFIED WEIGHT REPORT

Part Number: **95230**
Lot Number: 050721
Description: Semi-Volatile Mix
11 components
Expiration Date: 050726
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 50.0

Solvent(s): **Lot#**
Methylene chloride 105345

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By: Prashant Chauhan 050721 DATE

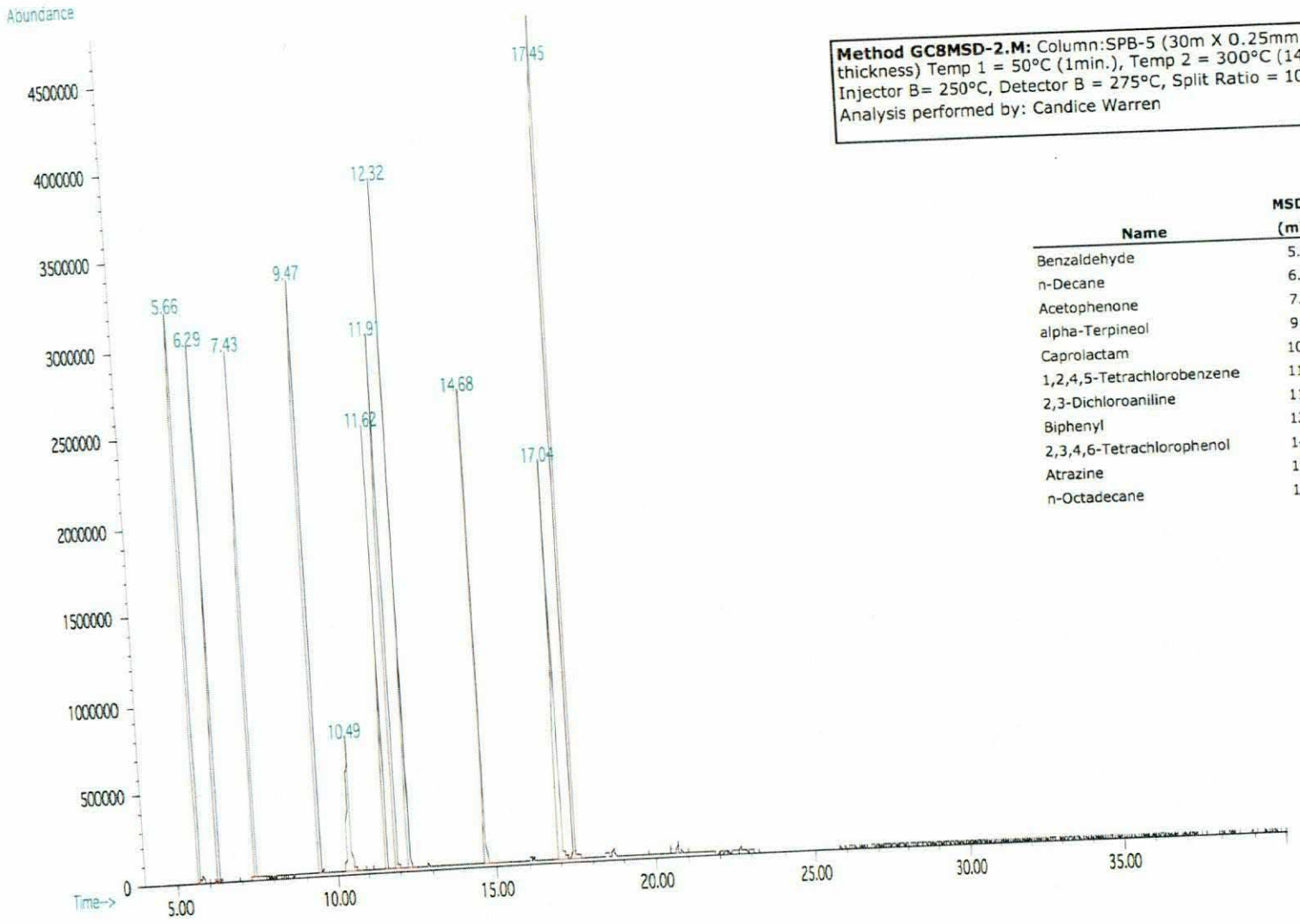
Reviewed By: Pedro L. Rentas 050721 DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetophenone	434	04511JX	2000	99	0.2	0.10106	0.10122	2003.1	9.6	98-86-2	N/A	orl-rat 815mg/kg
2.	Atrazine	23	BCBZ3835	2000	99.1	0.2	0.10096	0.10120	2004.7	9.6	1912-24-9	5mg/m3	orl-rat 1960mg/kg
3.	Benzaldehyde	1707	22496TMV	2000	99.5	0.2	0.10056	0.10073	2003.5	9.5	100-52-7	N/A	orl-rat 1300mg/kg
4.	Biphenyl	556	MKBS5244V	2000	99.5	0.2	0.10056	0.10070	2002.9	9.5	92-52-4	0.2 ppm(1mg/m3/8H)	orl-rat 2400mg/kg
5.	ε-Caprolactam	1695	MKBK9562V	2000	99	0.5	0.10106	0.10116	2001.9	20.8	105-60-2	1 mg/m3	orl-rat 1210 mg/kg
6.	n-Decane	106	00936AA	2000	99	0.2	0.10106	0.10116	2001.9	9.6	124-18-5	N/A	N/A
7.	2,3-Dichloroaniline	1131	05612AI	2000	99	0.2	0.10106	0.10121	2002.9	9.6	608-27-5	N/A	N/A
8.	n-Octadecane	971	MKCG6046	2000	100	0.2	0.10005	0.10015	2002.0	9.5	593-45-3	N/A	N/A
9.	alpha-Terpineol	1752	GG01	2000	95	0.2	0.10532	0.10545	2002.5	9.8	98-55-5	N/A	N/A
10.	1,2,4,5-Tetrachlorobenzene	274	10408AS	2000	98	0.2	0.10209	0.10220	2002.1	9.6	95-94-3	N/A	orl-rat 1500mg/kg
11.	2,3,4,6-Tetrachlorophenol	477	100317	2000	99.3	0.2	0.10076	0.10095	2003.8	9.5	58-90-2	N/A	orl-rat 140mg/kg

ID #: 13964
Opened:_____
Semi-Volatile Mix
Expires: 5/7/2026
Rec'd: 6/17/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

TIC: 95230.D



Method GC8MSD-2.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2.
Analysis performed by: Candice Warren

Name	MSD RT (min.)
Benzaldehyde	5.66
n-Decane	6.29
Acetophenone	7.43
alpha-Terpineol	9.47
Caprolactam	10.49
1,2,4,5-Tetrachlorobenzene	11.62
2,3-Dichloroaniline	11.91
Biphenyl	12.32
2,3,4,6-Tetrachlorophenol	14.68
Atrazine	17.04
n-Octadecane	17.45

CHEM SERVICE INC

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Mixture #8-Internal Standards

CONCENTRATION	4000ug/ml in Methylene chloride
CATALOG NUMBER	M-PPHC8X12-1ML
LOT NUMBER	11925100
DATE CERTIFIED	06/09/21
EXPIRATION DATE	06/30/23
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratoy use only.
ISO 17034:2016 CERTIFIED	[X]

ID	Analyte	CAS	Weight Analyte (mg)	Lot	Purity	Certified Concentration (ug/mL)
N-11000	Acenaphthene-d10	15067-26-2	804.000	00026778	99.5	3999.9
N-11467	Chrysene-d12	1719-03-5	809.700	00025144	99.5	4028.3
N-10217	1,4-Dichlorobenzene-d4	3855-82-1	804.000	00027328	99.5	3999.9
N-12645	Naphthalene-d8	1146-65-2	807.500	00029881	99.3	4009.2
N-12851	Perylene-d12	1520-96-3	805.100	00024295	99.5	4005.4
N-12856	Phenanthrene-d10	1517-22-2	808.700	00027331	99.0	4003.1

Analytical Test	Value
CONCENTRATION (GC/FID)	VERIFIED

ID #: 13968
Opened:
Mixture #8-Internal Standards
Expires: 6/30/2023
Rec'd: 6/18/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

COA Form
Revision 3 (3/2015)

PJLA Testing
Accreditation #63529

Print Date: 06/14/21

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info@chemservice.com • www.chemservice.com

Instructions for Use:
Shake mixture prior to use. If particles are present, sonicate for homogeneity. If sample is diluted to lower concentrations, Class A volumetric glassware must be used.
Minimum Sample Size- 0.2 uL for Direct Injection.
Chem Service Inc. guarantees the expanded uncertainty of the above analytes to be +/- 2.0% of the certified concentrations based on gravimetric preparation. The test results published in this report were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). The reported expanded uncertainty of measurement is stated as the combined standard uncertainty of measurement multiplied by the coverage factor k (k=2) such that the coverage probability corresponds to approximately 95%. For certified reference materials, homogeneity and thermal stability testing are available upon request.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

PJLA
Testing
Accreditation #63320

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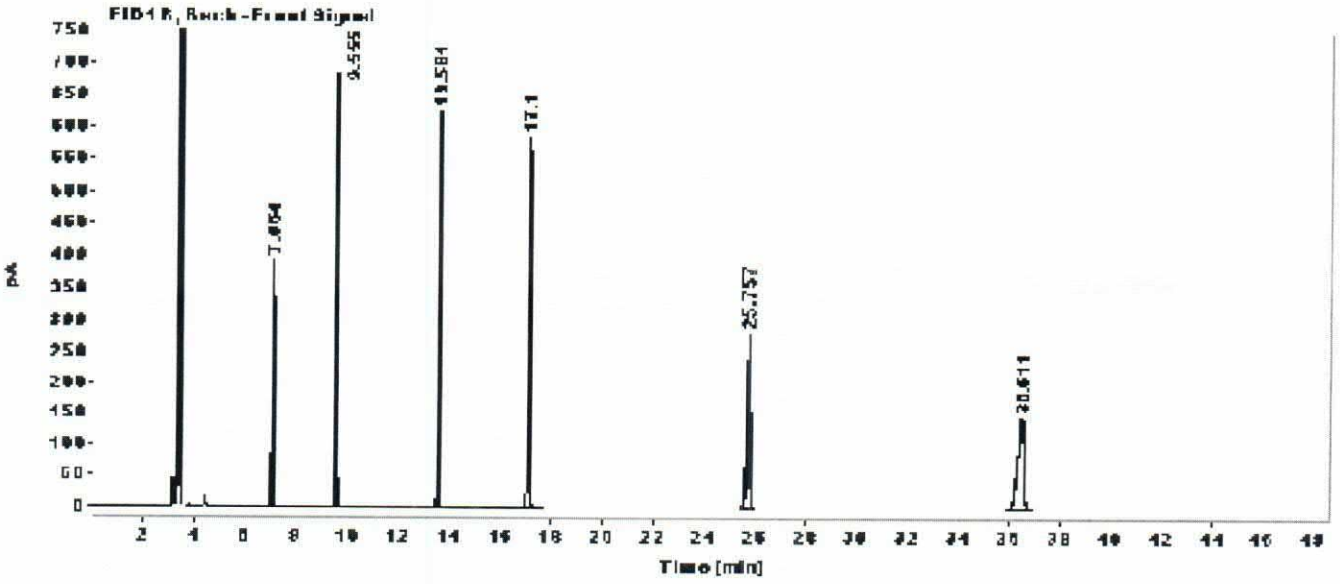
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2021 DATA\0621\M-PPHC8X12.D		
Sample name:	M-PPHC8X12		
Acq. method:	SCREEN-BACK.M		
Instrument:	GC3	**Location:**	201
Injection date:	6/9/2021 11:56:12 AM	**Injection Vol:**	1.000
Column name:	RTx-5MS (30m x 0.25mm x 0.5µm)	**# Of Injections:**	1



Signal: FID1 B, Back - Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
7.064	BB	0.0442	1119.2875	393.3396	8.4245
9.555	BV R	0.0512	2239.5649	684.7053	16.8565
13.581	BB	0.0598	2394.9761	624.3607	18.0262
17.100	BB	0.0685	2531.9221	584.9907	19.0569
25.757	BB	0.1314	2450.2429	284.7773	18.4422
36.511	BB	0.2375	2550.0964	149.1623	19.1937
		Sum	13286.0900		

PJLA Testing

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-14500-R2
Description: Custom Semi-Volatile Standard
Lot: 220021255-02
Solvent: Dichloromethane
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Aug 31, 2021
Expiration: Oct 1, 2022
Sample Size: 1 mL
Components: 10
Storage Condition: Freeze (<-10 °C)/Sonicate

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Pyridine	110-86-1	98.7	2026	2000
4-Chlorophenol	106-48-9	100.0	2019	2019
1-Methylnaphthalene	90-12-0	98.5	2003	1973
N-Nitrosodiphenylamine	86-30-6	100.0	2022	2022
4-Chloro-2-methylphenol	1570-64-5	97.0	2069*	2007
Benzoic acid	65-85-0	99.5	2010	2000
Aniline	62-53-3	98.0	2002	1962
Benzyl alcohol	100-51-6	99.9	2011	2009
Triallate	2303-17-5	99.9	2013	2011
o-Terphenyl	84-15-1	99.9	2019	2017

ID #: 14279
Opened:
Custom Semi-Volatile Standard
Expires: 10/1/2022
Rec'd: 9/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

This Certified Reference Material was verified in accordance with ISO/IEC 17025

* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

 See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

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USA

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CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Benzidine **	92-87-5	99.9	2004	2002
3,3'-Dichlorobenzidine **	91-94-1	100.0	2001	2001

ID #: 12839
Opened:_____
Benzidine & 3,3'-Dichlorobenzidine
Expires: 5/1/2024
Rec'd: 7/7/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

**Benzidine and 3,3'-Dichlorobenzidine are subject to oxidative degradation

**Benzidine and 3,3'-Dichlorobenzidine are subject to oxidative degredation

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Certified By: _____
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

QR-ORG/INO-001
Rev. 5/18

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New Haven, CT 06513
USA

AccuStandard®

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CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2

T-TEST

AccuStandard, Inc.
Statistical Report for CLP (SOW 1991)
1-May-2020

QR-QCO-003 rev. 1/16

Peak #	Component	Z-014F 220041353 Run #1	Run #2	Run #3	Run #4	Mean	Std Dev	% RSD	Z-014F 220031213 Run #1	Run #2	Run #3	Run #4	Mean	Std Dev	% RSD	NOTES: L-025 test	CI 220041353 Component	CI	# of Runs	10 % error check of Conc. means
1	Benzidine (92-87-5)	90	83	79	78	83	5.45	6.60%	84	84	80	76	81	3.83	4.73%	0.45	20.7	21.3	4	2000 2 %
2	3,3'-Dichlorobenzidine (91-94-1)	104	96	93	91	96	5.72	5.95%	98	99	94	89	95	4.27	4.51%	0.55	20.9	15.8	4	2000 1 %

For use in routine laboratory analysis.

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CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol

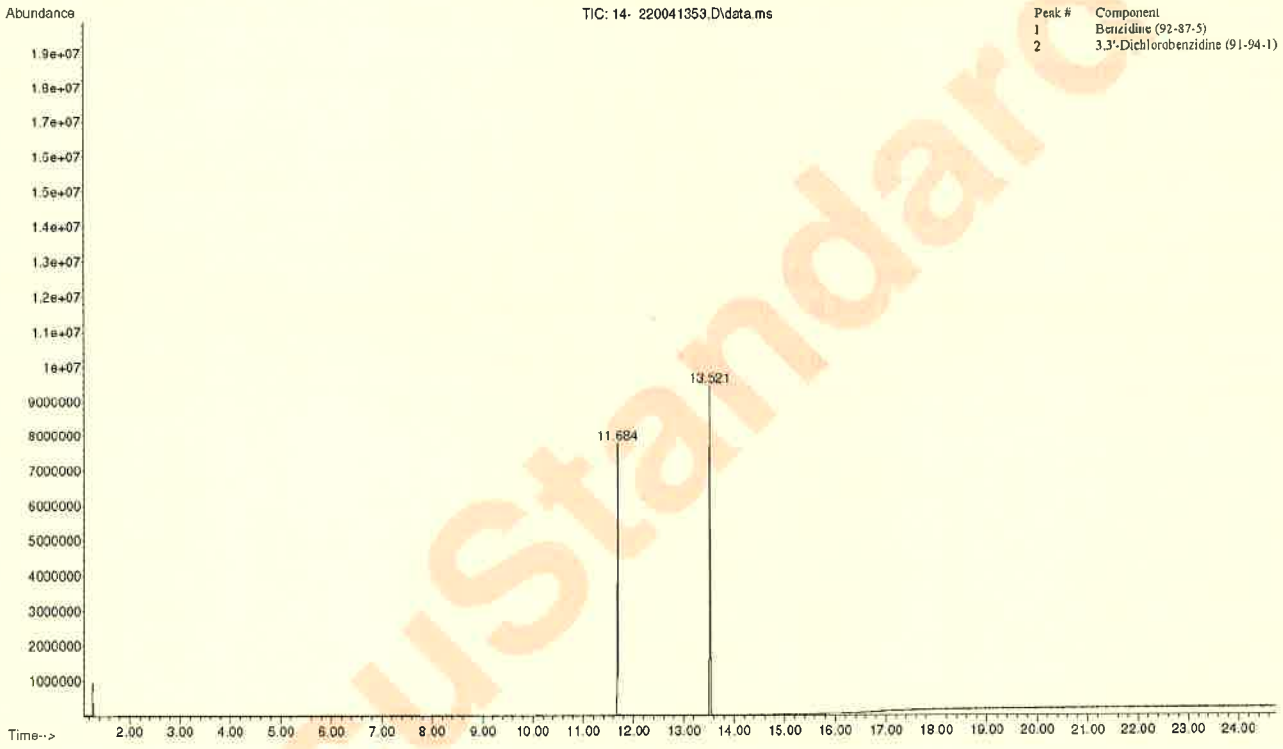
Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2

Chromatogram

```
File       :D:\MassHunter\GCMS\1\DATA\043020\14-  220041353.D
Operator   : Organic QC Lab
Acquired   : 30 Apr 2020  17:16     using AcqMethod CHICK_2019_S100.M
Instrument :   GCMS 6
Sample Name: Z-014F  (220041353)
Misc Info  : Z-014F @2000ug/mL in Methanol
Vial Number: 138
```

AccuStandard®
Leader in Analytical Reference Standards

Column: . DB-5MS, 30m, 0.25 ID, 0.25 um
Oven Program: 80c 17c/min to 340c, 8min
GC Parameters: Cons. Split, 12psi constant flow
Split 100:1, 1uL inj.; GC/MS; INJ 270c



Peak #	Component
1	Benzidine (92-87-5)
2	3,3'-Dichlorobenzidine (91-94-1)

For use in routine laboratory analysis.

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New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
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www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2

RAW DATA

```
Data Path : D:\MassHunter\GCMS\1\DATA\043020\
Data File : 14-  220041353.D
Acq On    : 30 Apr 20  05:16 pm
Operator  : Organic QC Lab
Sample    : Z-014F  (220041353)
Misc      : Z-014F @2000ug/mL in Methanol
ALS Vial  : 138   Sample Multiplier: 1

Integration Parameters: events.e
Integrator: ChemStation

Method    : D:\MassHunter\GCMS\1\methods\CHICK_2019.M
Title     :

Signal     : TIC: 14-  220041353.D\data.ms
```

Peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.684	2371	2386	2399	PV	7555441	90932217	86.94%	46.506%
2	13.521	2790	2799	2825	BB	9071921	104594086	100.00%	53.494%

For use in routine laboratory analysis.

Energy Laboratories Inc

ANALYTICAL RUN Summary

20-Feb-22

Run ID SV5973N.I_220218B

Run Start Date:	2/18/2022
Analyst:	Sean McGrew
Ical:	0
Column ID:	XTI-5
Comments:	

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
dcmsvoc13	DCM						11/17/2022
sv100507	BNA mix	37.5	ul	62.5	ul	CCV	3/31/2022
sv100516	BNA Internals 2000 ug/mL	2	ul	100	ul	all HL SVOC	6/30/2023
sv100610	QC2/TEL	37.5	ul	62.5	ul	CCV	8/3/2022
sv100714	BNA 2nd source 200 ug/mL	37.5	ul	62.5	ul	ICV	10/1/2022
sv83311	DFTPP 1000 ug/mL	50	ul	50	ul	TUNE	10/31/2022
sv90820	BNA 2nd source short (new)	37.5	ul	62.5	ul	ICV	3/16/2023

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044911	Feb1826_D_TU	SVOC-8270-DF	TUNE	SV5973N.I\sd0212/19/2022 9:29:0		1	R374943		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
127, % of mass 198	A	%	51.3	51.3		100	0	0	0	0.01	0	51%	40	60	0%	
197, % of mass 198	A	%	0	0		100	0	0	0	0.01	0	0%	0	0.99	0%	
198, Base Peak	A	%	100	100		100	0	0	0	0.01	0	100%	100	100	0%	
199, % of mass 198	A	%	6.9	6.9		100	0	0	0	0.01	0	7%	5	9	0%	
275, % of mass 198	A	%	28.7	28.7		100	0	0	0	0.01	0	29%	10	30	0%	
365, % of mass 198	A	%	3.7	3.7		100	0	0	0	0.01	0	4%	1	99.99	0%	
441, % of mass 443	A	%	78.2	78.2		100	0	0	0	0.01	0	78%	0.01	150	0%	
442, % of mass 198	A	%	71.8	71.8		100	0	0	0	0.01	0	72%	40	100	0%	
443, % of mass 442	A	%	19.2	19.2		100	0	0	0	0.01	0	19%	17	23	0%	
51, % of mass 198	A	%	37.6	37.6		100	0	0	0	0.01	0	38%	30	60	0%	
68, % of mass 69	A	%	0.5	0.5		100	0	0	0	0.01	0	1%	0	1.99	0%	
70, % of mass 69	A	%	0.7	0.7		100	0	0	0	0.01	0	1%	0	1.99	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044912	18-Feb-22_CCV	SVOC-8270-W-	CCV	SV5973N.I\sd0212/19/2022 9:50:3		1	R374943		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	80.00101	80.00101		75	0	0	1.9	10	150	107%	70	130	0%	
1,2-Dichlorobenzene	A	ug/L	76.4651	76.4651		75	0	0	1.97	10	150	102%	70	130	0%	
1,3-Dichlorobenzene	A	ug/L	79.59624	79.59624		75	0	0	2.13	10	150	106%	70	130	0%	
1,4-Dichlorobenzene	A	ug/L	77.59286	77.59286		75	0	0	2.02	10	150	103%	80	120	0%	
1-Methylnaphthalene	A	ug/L	77.28065	77.28065		75	0	0	2.39	10	150	103%	70	130	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	77.37686	77.37686		75	0	0	1.45	10	150	103%	70	130	0%	
2,4,5-Trichlorophenol	A	ug/L	79.89087	79.89087		75	0	0	2.23	10	150	107%	70	130	0%	
2,4,6-Trichlorophenol	A	ug/L	85.06554	85.06554		75	0	0	2.64	10	150	113%	80	120	0%	
2,4-Dichlorophenol	A	ug/L	78.95843	78.95843		75	0	0	1.69	10	150	105%	80	120	0%	
2,4-Dimethylphenol	A	ug/L	74.3431	74.3431		75	0	0	1.69	10	150	99%	70	130	0%	
2,4-Dinitrophenol	A	ug/L	81.79476	81.79476		75	0	0	4.26	10	150	109%	70	130	0%	
2,4-Dinitrotoluene	A	ug/L	80.45197	80.45197		75	0	0	3.04	10	150	107%	70	130	0%	
2,6-Dinitrotoluene	A	ug/L	74.72199	74.72199		75	0	0	3.2	10	150	100%	70	130	0%	
2-Chloronaphthalene	A	ug/L	78.499	78.499		75	0	0	2.14	10	150	105%	70	130	0%	
2-Chlorophenol	A	ug/L	77.93671	77.93671		75	0	0	2.48	10	150	104%	70	130	0%	
2-Methylnaphthalene	A	ug/L	78.21077	78.21077		75	0	0	1.92	10	150	104%	70	130	0%	
2-Nitroaniline	A	ug/L	83.71162	83.71162		75	0	0	2.4	10	150	112%	70	130	0%	
2-Nitrophenol	A	ug/L	83.43761	83.43761		75	0	0	2.36	10	150	111%	80	120	0%	
3,3´-Dichlorobenzidine	A	ug/L	81.28392	81.28392		75	0	0	2.11	10	150	108%	70	130	0%	
3-Nitroaniline	A	ug/L	78.56581	78.56581		75	0	0	2.77	10	150	105%	70	130	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	84.03487	84.03487		75	0	0	2.33	10	150	112%	70	130	0%	
4-Bromophenyl phenyl ether	A	ug/L	80.57433	80.57433		75	0	0	1.74	10	150	107%	70	130	0%	
4-Chloro-2-methylphenol	A	ug/L	80.36672	80.36672		75	0	0	1.6	10	150	107%	70	130	0%	
4-Chloro-3-methylphenol	A	ug/L	80.21042	80.21042		75	0	0	1.46	10	150	107%	80	120	0%	
4-Chlorophenol	A	ug/L	80.69004	80.69004		75	0	0	2.64	10	150	108%	70	130	0%	
4-Chlorophenyl phenyl ether	A	ug/L	83.47058	83.47058		75	0	0	2.03	10	150	111%	70	130	0%	
4-Nitroaniline	A	ug/L	86.0686	86.0686		75	0	0	1.63	10	150	115%	70	130	0%	
4-Nitrophenol	A	ug/L	84.9536	84.9536		75	0	0	2.5	10	150	113%	70	130	0%	
Acenaphthene	A	ug/L	73.58794	73.58794		75	0	0	1.89	10	150	98%	80	120	0%	
Acenaphthylene	A	ug/L	75.86984	75.86984		75	0	0	1.57	10	150	101%	70	130	0%	
Aniline	A	ug/L	75.89741	75.89741		75	0	0	3.74	10	150	101%	70	130	0%	
Anthracene	A	ug/L	83.52705	83.52705		75	0	0	1.23	10	150	111%	70	130	0%	
Azobenzene	A	ug/L	76.58648	76.58648		75	0	0	1.09	10	150	102%	70	130	0%	
Benzidine	A	ug/L	86.6553	86.6553		75	0	0	6.72	10	150	116%	70	130	0%	
Benzo(a)anthracene	A	ug/L	78.16247	78.16247		75	0	0	0.856	10	150	104%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044912	18-Feb-22_CCV	SVOC-8270-W-	CCV	SV5973N.I\sd0212/19/2022 9:50:3		1	R374943		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	74.28584	74.28584		75	0	0	1.24	10	150	99%	80	120	0%	
Benzo(b)fluoranthene	A	ug/L	71.54103	71.54103		75	0	0	0.903	10	150	95%	70	130	0%	
Benzo(g,h,i)perylene	A	ug/L	74.79856	74.79856		75	0	0	1.01	10	150	100%	70	130	0%	
Benzo(k)fluoranthene	A	ug/L	76.73248	76.73248		75	0	0	0.97	10	150	102%	70	130	0%	
Benzoic acid	A	ug/L	89.41532	89.41532		75	0	0	1.51	10	150	119%	70	130	0%	
Benzyl alcohol	A	ug/L	77.50381	77.50381		75	0	0	3.13	10	150	103%	70	130	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	74.97641	74.97641		75	0	0	1.36	10	150	100%	70	130	0%	
bis(-2-chloroethyl)Ether	A	ug/L	80.12459	80.12459		75	0	0	2.57	10	150	107%	70	130	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	77.37686	77.37686		75	0	0	1.49	10	150	103%	70	130	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	84.49586	84.49586		75	0	0	1.91	10	150	113%	70	130	0%	
Butylbenzylphthalate	A	ug/L	82.34606	82.34606		75	0	0	1.57	10	150	110%	70	130	0%	
Carbazole	A	ug/L	76.43911	76.43911		75	0	0	0.842	10	150	102%	70	130	0%	
Chrysene	A	ug/L	74.66984	74.66984		75	0	0	1.17	10	150	100%	70	130	0%	
Di-n-butyl phthalate	A	ug/L	85.69592	85.69592		75	0	0	0.932	10	150	114%	70	130	0%	
Di-n-octyl phthalate	A	ug/L	83.38084	83.38084		75	0	0	1.34	10	150	111%	80	120	0%	
Dibenzo(a,h)anthracene	A	ug/L	73.99854	73.99854		75	0	0	1.17	10	150	99%	70	130	0%	
Dibenzofuran	A	ug/L	76.55756	76.55756		75	0	0	1.74	10	150	102%	70	130	0%	
Diethyl phthalate	A	ug/L	78.74614	78.74614		75	0	0	2.18	10	150	105%	70	130	0%	
Dimethyl phthalate	A	ug/L	82.71943	82.71943		75	0	0	1.72	10	150	110%	70	130	0%	
Fluoranthene	A	ug/L	78.8948	78.8948		75	0	0	0.883	10	150	105%	80	120	0%	
Fluorene	A	ug/L	73.42851	73.42851		75	0	0	1.82	10	150	98%	70	130	0%	
Hexachlorobenzene	A	ug/L	82.8407	82.8407		75	0	0	1.33	10	150	110%	70	130	0%	
Hexachlorobutadiene	A	ug/L	83.09328	83.09328		75	0	0	2.32	10	150	111%	80	120	0%	
Hexachlorocyclopentadiene	A	ug/L	83.71024	83.71024		75	0	0	2.97	10	150	112%	70	130	0%	
Hexachloroethane	A	ug/L	77.36379	77.36379		75	0	0	1.79	10	150	103%	70	130	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	76.33013	76.33013		75	0	0	1.25	10	150	102%	70	130	0%	
Isophorone	A	ug/L	81.26676	81.26676		75	0	0	1.67	10	150	108%	70	130	0%	
m+p-Cresols	A	ug/L	81.75395	81.75395		75	0	0	1.78	10	150	109%	70	130	0%	
n-Nitroso-di-n-propylamine	A	ug/L	87.56773	87.56773		75	0	0	1.54	10	150	117%	70	130	0%	
n-Nitrosodimethylamine	A	ug/L	88.84655	88.84655		75	0	0	1.53	10	150	118%	70	130	0%	
n-Nitrosodiphenylamine	A	ug/L	78.84306	78.84306		75	0	0	1.16	10	150	105%	80	120	0%	
Naphthalene	A	ug/L	82.55812	82.55812		75	0	0	1.74	10	150	110%	70	130	0%	
Nitrobenzene	A	ug/L	84.98417	84.98417		75	0	0	2.31	10	150	113%	70	130	0%	
o-Cresol	A	ug/L	76.58824	76.58824		75	0	0	1.83	10	150	102%	70	130	0%	
o-Terphenyl	A	ug/L	81.46606	81.46606		75	0	0	1.27	10	150	109%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044912	18-Feb-22_CCV	SVOC-8270-W-	CCV	SV5973N.I\sd0212/19/2022	9:50:3	1	R374943		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
p-Chloroaniline	A	ug/L	80.91759	80.91759		75	0	0	1.52	10	150	108%	70	130	0%	
Pentachlorophenol	A	ug/L	84.94642	84.94642		75	0	0	4.24	10	150	113%	80	120	0%	
Phenanthrene	A	ug/L	79.18385	79.18385		75	0	0	0.784	10	150	106%	70	130	0%	
Phenol	A	ug/L	77.29197	77.29197		75	0	0	1.46	10	150	103%	80	120	0%	
Pyrene	A	ug/L	77.34791	77.34791		75	0	0	0.921	10	150	103%	70	130	0%	
Pyridine	A	ug/L	79.93771	79.93771		75	0	0	3.22	10	150	107%	70	130	0%	
Triallate	A	ug/L	81.53149	81.53149		75	0	0	1.51	10	150	109%	70	130	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%	70	130	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	70	130	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	70	130	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%	70	130	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	70	130	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	70	130	0%	
2,4,6-Tribromophenol	S	ug/L	83.85698	83.85698		75	0	0	2.88	10	0	112%	70	130	0%	
2-Fluorobiphenyl	S	ug/L	79.63261	79.63261		75	0	0	0.724	10	0	106%	70	130	0%	
2-Fluorophenol	S	ug/L	79.11098	79.11098		75	0	0	3.52	10	0	105%	70	130	0%	
Nitrobenzene-d5	S	ug/L	79.39191	79.39191		75	0	0	2.34	10	0	106%	70	130	0%	
Phenol-d5	S	ug/L	77.48839	77.48839		75	0	0	2.06	10	0	103%	70	130	0%	
Terphenyl-d14	S	ug/L	78.46811	78.46811		75	0	0	1.17	10	0	105%	70	130	0%	
4-Chloroaniline	X	ug/L	80.91759	80.91759		75	0	0	1.61	10	150	108%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044913	18-Feb-22_ISTB	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/19/2022	10:22:	1	R374943		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.9	10	150	0%	0	0	0%	
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.97	10	150	0%	0	0	0%	
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.13	10	150	0%	0	0	0%	
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02	10	150	0%	0	0	0%	
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.39	10	150	0%	0	0	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.45	10	150	0%	0	0	0%	
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.23	10	150	0%	0	0	0%	
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.64	10	150	0%	0	0	0%	
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.69	10	150	0%	0	0	0%	
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.69	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044913	18-Feb-22_ISTB	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/19/2022 10:22:		1	R374943		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.26	10	150	0%	0	0	0%	
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.04	10	150	0%	0	0	0%	
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.2	10	150	0%	0	0	0%	
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.14	10	150	0%	0	0	0%	
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.48	10	150	0%	0	0	0%	
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.92	10	150	0%	0	0	0%	
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.4	10	150	0%	0	0	0%	
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.36	10	150	0%	0	0	0%	
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.11	10	150	0%	0	0	0%	
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.77	10	150	0%	0	0	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.33	10	150	0%	0	0	0%	
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.74	10	150	0%	0	0	0%	
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.6	10	150	0%	0	0	0%	
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.46	10	150	0%	0	0	0%	
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.64	10	150	0%	0	0	0%	
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	2.03	10	150	0%	0	0	0%	
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.63	10	150	0%	0	0	0%	
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.5	10	150	0%	0	0	0%	
Acenaphthene	A	ug/L	0	0		0	0	0	1.89	10	150	0%	0	0	0%	
Acenaphthylene	A	ug/L	0	0		0	0	0	1.57	10	150	0%	0	0	0%	
Aniline	A	ug/L	0	0		0	0	0	3.74	10	150	0%	0	0	0%	
Anthracene	A	ug/L	0	0		0	0	0	1.23	10	150	0%	0	0	0%	
Azobenzene	A	ug/L	0	0		0	0	0	1.09	10	150	0%	0	0	0%	
Benzidine	A	ug/L	0	0		0	0	0	6.72	10	150	0%	0	0	0%	
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.856	10	150	0%	0	0	0%	
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.24	10	150	0%	0	0	0%	
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.903	10	150	0%	0	0	0%	
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	1.01	10	150	0%	0	0	0%	
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.97	10	150	0%	0	0	0%	
Benzoic acid	A	ug/L	0	0		0	0	0	1.51	10	150	0%	0	0	0%	
Benzyl alcohol	A	ug/L	0	0		0	0	0	3.13	10	150	0%	0	0	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.36	10	150	0%	0	0	0%	
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.57	10	150	0%	0	0	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.49	10	150	0%	0	0	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.91	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044913	18-Feb-22_ISTB	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/19/2022 10:22:		1	R374943		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.57	10	150	0%	0	0	0%	
Carbazole	A	ug/L	0	0		0	0	0	0.842	10	150	0%	0	0	0%	
Chrysene	A	ug/L	0	0		0	0	0	1.17	10	150	0%	0	0	0%	
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.932	10	150	0%	0	0	0%	
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.34	10	150	0%	0	0	0%	
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.17	10	150	0%	0	0	0%	
Dibenzofuran	A	ug/L	0	0		0	0	0	1.74	10	150	0%	0	0	0%	
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.18	10	150	0%	0	0	0%	
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.72	10	150	0%	0	0	0%	
Fluoranthene	A	ug/L	0	0		0	0	0	0.883	10	150	0%	0	0	0%	
Fluorene	A	ug/L	0	0		0	0	0	1.82	10	150	0%	0	0	0%	
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.33	10	150	0%	0	0	0%	
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.32	10	150	0%	0	0	0%	
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.97	10	150	0%	0	0	0%	
Hexachloroethane	A	ug/L	0	0		0	0	0	1.79	10	150	0%	0	0	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.25	10	150	0%	0	0	0%	
Isophorone	A	ug/L	0	0		0	0	0	1.67	10	150	0%	0	0	0%	
m+p-Cresols	A	ug/L	0	0		0	0	0	1.78	10	150	0%	0	0	0%	
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.54	10	150	0%	0	0	0%	
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.53	10	150	0%	0	0	0%	
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.16	10	150	0%	0	0	0%	
Naphthalene	A	ug/L	0	0		0	0	0	1.74	10	150	0%	0	0	0%	
Nitrobenzene	A	ug/L	0	0		0	0	0	2.31	10	150	0%	0	0	0%	
o-Cresol	A	ug/L	0	0		0	0	0	1.83	10	150	0%	0	0	0%	
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.52	10	150	0%	0	0	0%	
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.24	10	150	0%	0	0	0%	
Phenanthrene	A	ug/L	0	0		0	0	0	0.784	10	150	0%	0	0	0%	
Phenol	A	ug/L	0	0		0	0	0	1.46	10	150	0%	0	0	0%	
Pyrene	A	ug/L	0	0		0	0	0	0.921	10	150	0%	0	0	0%	
Pyridine	A	ug/L	0	0		0	0	0	3.22	10	150	0%	0	0	0%	
Triallate	A	ug/L	0	0		0	0	0	1.51	10	150	0%	0	0	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044913	18-Feb-22_ISTB	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/19/2022 10:22:		1	R374943		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	0	0		200	0	0	2.88	10	0	0%	25	140	0%	S
2-Fluorobiphenyl	S	ug/L	0	0		100	0	0	0.724	10	0	0%	28	107	0%	S
2-Fluorophenol	S	ug/L	0	0		200	0	0	3.52	10	0	0%	10	75	0%	S
Nitrobenzene-d5	S	ug/L	0	0		100	0	0	2.34	10	0	0%	32	94	0%	S
Phenol-d5	S	ug/L	0	0		200	0	0	2.06	10	0	0%	10	65	0%	S
Terphenyl-d14	S	ug/L	0	0		100	0	0	1.17	10	0	0%	32	122	0%	S
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.61	10	150	0%	0	0	0%	
o-Terphenyl	X	ug/L	0	0		0	0	0	1.27	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044914	B22020415-027	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/19/2022 10:54:		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8449	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.91287	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.06823	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.96142	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.32069	4.855	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.40795	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.16533	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.56344	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.64099	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.64099	10	150	0%	0	0	0%	U
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.13646	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.95184	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.1072	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.07794	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.40808	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.86432	4.855	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.3304	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.29156	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.04881	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.68967	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044914	B22020415-027	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/19/2022 10:54:		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.26243	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.68954	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5536	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.41766	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.56344	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.97113	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.58273	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.4275	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.83519	4.855	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.52447	4.855	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.63154	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.19433	4.855	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.05839	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.52512	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.831176	4.855	150	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.20404	4.855	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.876813	4.855	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.98071	4.855	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.94187	4.855	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.46621	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	3.03923	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.32056	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.49547	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.44679	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.85461	10	150	0%	0	0	0%	U
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.52447	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.817582	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.13607	4.855	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.904972	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.30114	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.13607	4.855	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.68954	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.11678	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.67012	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.857393	4.855	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044914	B22020415-027	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/19/2022 10:54:		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluorene	A	ug/L	0	0		0	0	0	1.76722	4.855	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.29143	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.25272	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.88387	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.73809	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.21375	4.855	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.62157	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.72838	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.49534	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.48563	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.12636	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.68954	4.855	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.24301	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.77693	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.47592	10	150	0%	0	0	0%	U
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.11704	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.761264	4.855	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.41766	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.894291	4.855	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.12662	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.46621	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.84		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.84		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.84		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.84		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.84		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.84		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	154.24301	149.769963		194.2	0	0	2.79648	10	0	77%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	56.80095	55.1537225		97.1	0	0	0.703004	10	0	57%	44	119	0%	
2-Fluorophenol	S	ug/L	48.27541	46.8754231		194.2	0	0	3.41792	10	0	24%	19	119	0%	
Nitrobenzene-d5	S	ug/L	58.91134	57.2029111		97.1	0	0	2.27214	10	0	59%	44	120	0%	
Phenol-d5	S	ug/L	44.68336	43.3875426		194.2	0	0	2.00026	10	0	22%	10	65	0%	
Terphenyl-d14	S	ug/L	100.55426	97.6381865		97.1	0	0	1.13607	10	0	101%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.56331	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.23317	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044915	B22020415-032	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/19/2022 11:27:		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.862	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.9306	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.0874	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.9796	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.3422	4.9	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.421	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.1854	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.5872	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.6562	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.6562	10	150	0%	0	0	0%	U
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.1748	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.9792	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.136	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.0972	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.4304	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.8816	4.9	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.352	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.3128	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.0678	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.7146	10	150	0%	0	0	0%	U
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.2834	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.7052	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.568	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.4308	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.5872	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.9894	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.5974	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.45	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.8522	4.9	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.5386	4.9	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.6652	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.2054	4.9	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.0682	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.5856	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.83888	4.9	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044915	B22020415-032	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/19/2022 11:27:		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.2152	4.9	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.88494	4.9	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.9898	4.9	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.9506	4.9	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.4798	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	3.0674	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.3328	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.5186	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.4602	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.8718	10	150	0%	0	0	0%	U
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.5386	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.82516	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.1466	4.9	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.91336	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.3132	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.1466	4.9	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.7052	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.1364	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.6856	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.86534	4.9	150	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	1.7836	4.9	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.3034	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.2736	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.9106	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.7542	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.225	4.9	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.6366	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.7444	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.5092	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.4994	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.1368	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.7052	4.9	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.2638	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.7934	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.4896	10	150	0%	0	0	0%	U

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15044915	B22020415-032	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/19/2022 11:27:		1	163621	2/9/2022 8:1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.1552	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.76832	4.9	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.4308	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.90258	4.9	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.1556	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.4798	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	39.2		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	39.2		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	39.2		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	39.2		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	39.2		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	39.2		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	154.87629	151.778764		196	0	0	2.8224	10	0	77%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	67.34809	66.0011282		98	0	0	0.70952	10	0	67%	44	119	0%	
2-Fluorophenol	S	ug/L	54.86265	53.765397		196	0	0	3.4496	10	0	27%	19	119	0%	
Nitrobenzene-d5	S	ug/L	57.49049	56.3406802		98	0	0	2.2932	10	0	57%	44	120	0%	
Phenol-d5	S	ug/L	47.5329	46.582242		196	0	0	2.0188	10	0	24%	10	65	0%	
Terphenyl-d14	S	ug/L	97.20301	95.2589498		98	0	0	1.1466	10	0	97%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.5778	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.2446	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044916	B22020415-032	SVOC-8270-W-	MS-DOD	SV5973N.I\sd0212/19/2022 11:59:		1	163621	2/9/2022 8:2	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	72.0935	70.0027885		97.1	0	0	1.8449	10	150	72%	29	116	0%	
1,2-Dichlorobenzene	A	ug/L	63.53068	61.6882903		97.1	0	0	1.91287	10	150	64%	32	111	0%	
1,3-Dichlorobenzene	A	ug/L	59.12482	57.4102002		97.1	0	0	2.06823	10	150	59%	28	110	0%	
1,4-Dichlorobenzene	A	ug/L	59.47458	57.7498172		97.1	0	0	1.96142	10	150	59%	29	112	0%	
1-Methylnaphthalene	A	ug/L	72.73458	70.6252772		97.1	0	0	2.32069	10	150	73%	41	119	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	63.84061	61.9892323		97.1	0	0	1.40795	10	150	64%	37	130	0%	
2,4,5-Trichlorophenol	A	ug/L	79.45006	77.1460083		97.1	0	0	2.16533	10	150	79%	53	123	0%	
2,4,6-Trichlorophenol	A	ug/L	83.71414	81.2864299		97.1	0	0	2.56344	10	150	84%	50	125	0%	
2,4-Dichlorophenol	A	ug/L	75.1768	72.9966728		97.1	0	0	1.64099	10	150	75%	47	121	0%	
2,4-Dimethylphenol	A	ug/L	70.04424	68.0129570		97.1	0	0	1.64099	10	150	70%	31	124	0%	

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15044916	B22020415-032	SVOC-8270-W-	MS-DOD	SV5973N.I\sd0212/19/2022 11:59:		1	163621	2/9/2022 8:2	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	87.73661	85.1922483		97.1	0	0	4.13646	10	150	88%	23	142	0%	
2,4-Dinitrotoluene	A	ug/L	88.29415	85.7336197		97.1	0	0	2.95184	10	150	88%	57	128	0%	
2,6-Dinitrotoluene	A	ug/L	78.88867	76.6008986		97.1	0	0	3.1072	10	150	79%	50	118	0%	
2-Chloronaphthalene	A	ug/L	84.18431	81.7429650		97.1	0	0	2.07794	10	150	84%	40	116	0%	
2-Chlorophenol	A	ug/L	64.89248	63.0105981		97.1	0	0	2.40808	10	150	65%	38	117	0%	
2-Methylnaphthalene	A	ug/L	79.90605	77.5887746		97.1	0	0	1.86432	10	150	80%	40	121	0%	
2-Nitroaniline	A	ug/L	79.3698	77.0680758		97.1	0	0	2.3304	10	150	79%	55	127	0%	
2-Nitrophenol	A	ug/L	77.19176	74.953199		97.1	0	0	2.29156	10	150	77%	47	123	0%	
3,3´-Dichlorobenzidine	A	ug/L	72.63834	70.5318281		97.1	0	0	2.04881	10	150	73%	27	129	0%	
3-Nitroaniline	A	ug/L	73.34407	71.217092		97.1	0	0	2.68967	10	150	73%	41	128	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	91.47895	88.8260605		97.1	0	0	2.26243	10	150	91%	44	137	0%	
4-Bromophenyl phenyl ether	A	ug/L	83.89413	81.4612002		97.1	0	0	1.68954	10	150	84%	55	124	0%	
4-Chloro-2-methylphenol	A	ug/L	77.83978	75.5824264		97.1	0	0	1.5536	10	150	78%	49	89	0%	
4-Chloro-3-methylphenol	A	ug/L	81.05345	78.7029		97.1	0	0	1.41766	10	150	81%	52	119	0%	
4-Chlorophenol	A	ug/L	67.88525	65.9165778		97.1	0	0	2.56344	10	150	68%	41	81	0%	
4-Chlorophenyl phenyl ether	A	ug/L	83.21246	80.7992987		97.1	0	0	1.97113	10	150	83%	53	121	0%	
4-Nitroaniline	A	ug/L	75.66627	73.4719482		97.1	0	0	1.58273	10	150	76%	57	101	0%	
4-Nitrophenol	A	ug/L	36.83522	35.7669986		97.1	0	0	2.4275	10	150	37%	15	36	0%	S
Acenaphthene	A	ug/L	83.11844	80.7080052		97.1	0	0	1.83519	10	150	83%	47	122	0%	
Acenaphthylene	A	ug/L	75.37237	73.1865713		97.1	0	0	1.52447	10	150	75%	41	130	0%	
Aniline	A	ug/L	36.32689	35.2734102		97.1	0	0	3.63154	10	150	36%	24	60	0%	
Anthracene	A	ug/L	88.73526	86.1619375		97.1	0	0	1.19433	10	150	89%	57	123	0%	
Azobenzene	A	ug/L	80.4843	78.1502553		97.1	0	0	1.05839	10	150	80%	61	116	0%	
Benzidine	A	ug/L	10.48698	10.1828576		97.1	0	0	6.52512	10	150	10%	10	100	0%	
Benzo(a)anthracene	A	ug/L	92.00915	89.3408847		97.1	0	0	0.831176	10	150	92%	58	125	0%	
Benzo(a)pyrene	A	ug/L	83.69881	81.2715445		97.1	0	0	1.20404	10	150	84%	54	128	0%	
Benzo(b)fluoranthene	A	ug/L	86.89852	84.3784629		97.1	0	0	0.876813	10	150	87%	53	131	0%	
Benzo(g,h,i)perylene	A	ug/L	89.10131	86.5173720		97.1	0	0	0.98071	10	150	89%	50	134	0%	
Benzo(k)fluoranthene	A	ug/L	82.98524	80.5786680		97.1	0	0	0.94187	10	150	83%	57	129	0%	
Benzoic acid	A	ug/L	32.46402	31.5225634		97.1	0	0	1.46621	10	150	32%	10	30	0%	S
Benzyl alcohol	A	ug/L	62.45391	60.6427466		97.1	0	0	3.03923	10	150	62%	31	112	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	76.99909	74.7661164		97.1	0	0	1.32056	10	150	77%	48	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	68.17016	66.1932254		97.1	0	0	2.49547	10	150	68%	43	118	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	63.84061	61.9892323		97.1	0	0	1.44679	10	150	64%	37	130	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	96.43276	93.63621		97.1	0	0	1.85461	10	150	96%	55	135	0%	

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15044916	B22020415-032	SVOC-8270-W-	MS-DOD	SV5973N.I\sd0212/19/2022 11:59:		1	163621	2/9/2022 8:2	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Butylbenzylphthalate	A	ug/L	93.81408	91.0934717		97.1	0	0	1.52447	10	150	94%	53	134	0%	
Carbazole	A	ug/L	85.37999	82.9039703		97.1	0	0	0.817582	10	150	85%	60	122	0%	
Chrysene	A	ug/L	88.4044	85.8406724		97.1	0	0	1.13607	10	150	88%	59	123	0%	
Di-n-butyl phthalate	A	ug/L	94.86382	92.1127692		97.1	0	0	0.904972	10	150	95%	59	127	0%	
Di-n-octyl phthalate	A	ug/L	93.31144	90.6054082		97.1	0	0	1.30114	10	150	93%	51	140	0%	
Dibenzo(a,h)anthracene	A	ug/L	85.97225	83.4790548		97.1	0	0	1.13607	10	150	86%	51	134	0%	
Dibenzofuran	A	ug/L	85.21529	82.7440466		97.1	0	0	1.68954	10	150	85%	53	118	0%	
Diethyl phthalate	A	ug/L	98.88041	96.0128781		97.1	0	0	2.11678	10	150	99%	56	125	0%	
Dimethyl phthalate	A	ug/L	96.76836	93.9620776		97.1	0	0	1.67012	10	150	97%	45	127	0%	
Fluoranthene	A	ug/L	86.60053	84.0891146		97.1	0	0	0.857393	10	150	87%	57	128	0%	
Fluorene	A	ug/L	81.45664	79.0943974		97.1	0	0	1.76722	10	150	81%	52	124	0%	
Hexachlorobenzene	A	ug/L	83.54295	81.1202045		97.1	0	0	1.29143	10	150	84%	53	125	0%	
Hexachlorobutadiene	A	ug/L	67.28169	65.330521		97.1	0	0	2.25272	10	150	67%	22	124	0%	
Hexachlorocyclopentadiene	A	ug/L	65.14768	63.2583973		97.1	0	0	2.88387	10	150	65%	39	91	0%	
Hexachloroethane	A	ug/L	57.0944	55.4386624		97.1	0	0	1.73809	10	150	57%	21	115	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	85.25785	82.7853724		97.1	0	0	1.21375	10	150	85%	52	134	0%	
Isophorone	A	ug/L	81.40101	79.0403807		97.1	0	0	1.62157	10	150	81%	42	124	0%	
m+p-Cresols	A	ug/L	65.52202	63.6218814		97.1	0	0	1.72838	10	150	66%	29	110	0%	
n-Nitroso-di-n-propylamine	A	ug/L	84.32993	81.8843620		97.1	0	0	1.49534	10	150	84%	49	119	0%	
n-Nitrosodimethylamine	A	ug/L	50.39728	48.9357589		97.1	0	0	1.48563	10	150	50%	20	45	0%	S
n-Nitrosodiphenylamine	A	ug/L	85.70005	83.2147486		97.1	0	0	1.12636	10	150	86%	51	123	0%	
Naphthalene	A	ug/L	76.44879	74.2317751		97.1	0	0	1.68954	10	150	76%	40	121	0%	
Nitrobenzene	A	ug/L	68.85967	66.8627396		97.1	0	0	2.24301	10	150	69%	45	121	0%	
o-Cresol	A	ug/L	68.63843	66.6479155		97.1	0	0	1.77693	10	150	69%	30	117	0%	
p-Chloroaniline	A	ug/L	65.92987	64.0179038		97.1	0	0	1.47592	10	150	66%	33	117	0%	
Pentachlorophenol	A	ug/L	98.16973	95.3228078		97.1	0	0	4.11704	10	150	98%	35	138	0%	
Phenanthrene	A	ug/L	85.88741	83.3966751		97.1	0	0	0.761264	10	150	86%	59	120	0%	
Phenol	A	ug/L	39.62632	38.4771567		97.1	0	0	1.41766	10	150	40%	37	75	0%	
Pyrene	A	ug/L	84.85204	82.3913308		97.1	0	0	0.894291	10	150	85%	57	126	0%	
Pyridine	A	ug/L	31.30312	30.3953295		97.1	0	0	3.12662	10	150	31%	16	45	0%	
Triallate	A	ug/L	88.46378	85.8983304		97.1	0	0	1.46621	10	150	88%	59	105	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	38.84		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	38.84		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	38.84		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	38.84		0	0	0	0	10	150	0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044916	B22020415-032	SVOC-8270-W-	MS-DOD	SV5973N.I\sd0212/19/2022 11:59:		1	163621	2/9/2022 8:2	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Perylene-d12	I	ug/L	40	38.84		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	38.84		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	172.80269	167.791412		194.2	0	0	2.79648	10	0	86%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	69.52754	67.5112413		97.1	0	0	0.703004	10	0	70%	44	119	0%	
2-Fluorophenol	S	ug/L	70.14201	68.1078917		194.2	0	0	3.41792	10	0	35%	19	119	0%	
Nitrobenzene-d5	S	ug/L	70.1329	68.0990459		97.1	0	0	2.27214	10	0	70%	44	120	0%	
Phenol-d5	S	ug/L	73.5449	71.4120979		194.2	0	0	2.00026	10	0	37%	10	65	0%	
Terphenyl-d14	S	ug/L	93.10491	90.4048676		97.1	0	0	1.13607	10	0	93%	50	134	0%	
4-Chloroaniline	X	ug/L	65.92987	64.0179038		97.1	0	0	1.56331	10	150	66%	33	117	0%	
o-Terphenyl	X	ug/L	85.44464	82.9667454		97.1	0	0	1.23317	10	150	85%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044917	B22020962-001	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 12:31:		1	163724	2/14/2022 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8088	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.87544	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02776	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.92304	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.27528	4.76	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.3804	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.12296	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.05552	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.89408	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0464	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.03728	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.36096	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.82784	4.76	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.2848	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.24672	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.00872	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.63704	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044917	B22020962-001	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 12:31:		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.21816	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5232	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.93256	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.55176	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.38	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.79928	4.76	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.49464	4.76	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.56048	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.17096	4.76	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.03768	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.39744	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.814912	4.76	150	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.18048	4.76	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.859656	4.76	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.96152	4.76	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.92344	4.76	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	2.97976	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.29472	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.44664	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.41848	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.81832	10	150	0%	0	0	0%	U
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.49464	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.801584	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.887264	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.27568	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.07536	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.63744	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.840616	4.76	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044917	B22020962-001	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 12:31:		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluorene	A	ug/L	0	0		0	0	0	1.73264	4.76	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.26616	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.20864	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.82744	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.70408	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.19	4.76	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.58984	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.69456	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.46608	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.45656	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.10432	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.65648	4.76	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.19912	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.74216	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.44704	10	150	0%	0	0	0%	U
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.03648	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.746368	4.76	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.876792	4.76	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.06544	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	154.78764	147.357833		190.4	0	0	2.74176	10	0	77%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	63.54936	60.4989907		95.2	0	0	0.689248	10	0	64%	44	119	0%	
2-Fluorophenol	S	ug/L	68.50252	65.2143990		190.4	0	0	3.35104	10	0	34%	19	119	0%	
Nitrobenzene-d5	S	ug/L	62.41273	59.416919		95.2	0	0	2.22768	10	0	62%	44	120	0%	
Phenol-d5	S	ug/L	61.97711	59.0022087		190.4	0	0	1.96112	10	0	31%	10	65	0%	
Terphenyl-d14	S	ug/L	100.63185	95.8015212		95.2	0	0	1.11384	10	0	101%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.53272	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.20904	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044918	B22020962-006	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 1:03:5		1	163724	2/14/2022 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8088	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.87544	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02776	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.92304	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.27528	4.76	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.3804	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.12296	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.05552	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.89408	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0464	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.03728	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.36096	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.82784	4.76	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.2848	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.24672	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.00872	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.63704	10	150	0%	0	0	0%	U
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.21816	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5232	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.93256	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.55176	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.38	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.79928	4.76	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.49464	4.76	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.56048	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.17096	4.76	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.03768	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.39744	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.814912	4.76	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044918	B22020962-006	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 1:03:5		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.18048	4.76	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.859656	4.76	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.96152	4.76	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.92344	4.76	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	12.42841	11.8318463		0	0	0	2.97976	10	150	0%	0	0	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.29472	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.44664	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.41848	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.81832	10	150	0%	0	0	0%	U
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.49464	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.801584	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.887264	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.27568	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.07536	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.63744	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.840616	4.76	150	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	1.73264	4.76	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.26616	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.20864	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.82744	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.70408	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.19	4.76	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.58984	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.69456	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.46608	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.45656	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.10432	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.65648	4.76	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.19912	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.74216	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.44704	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044918	B22020962-006	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 1:03:5		1	163724	2/14/2022 1	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.03648	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.746368	4.76	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.876792	4.76	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.06544	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	154.30254	146.896018		190.4	0	0	2.74176	10	0	77%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	65.71332	62.5590806		95.2	0	0	0.689248	10	0	66%	44	119	0%	
2-Fluorophenol	S	ug/L	50.63746	48.2068619		190.4	0	0	3.35104	10	0	25%	19	119	0%	
Nitrobenzene-d5	S	ug/L	65.12769	62.0015609		95.2	0	0	2.22768	10	0	65%	44	120	0%	
Phenol-d5	S	ug/L	58.5363	55.7265576		190.4	0	0	1.96112	10	0	29%	10	65	0%	
Terphenyl-d14	S	ug/L	107.34277	102.190317		95.2	0	0	1.11384	10	0	107%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.53272	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.20904	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044919	B22020962-006	SVOC-8270-W-	MS-DOD	SV5973N.I\sd0212/20/2022 1:36:0		1	163724	2/14/2022 1	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	73.78793	70.2461094		95.2	0	0	1.8088	10	150	74%	29	116	0%	
1,2-Dichlorobenzene	A	ug/L	65.84388	62.6833738		95.2	0	0	1.87544	10	150	66%	32	111	0%	
1,3-Dichlorobenzene	A	ug/L	65.09642	61.9717918		95.2	0	0	2.02776	10	150	65%	28	110	0%	
1,4-Dichlorobenzene	A	ug/L	63.82737	60.7636562		95.2	0	0	1.92304	10	150	64%	29	112	0%	
1-Methylnaphthalene	A	ug/L	74.41543	70.8434894		95.2	0	0	2.27528	10	150	74%	41	119	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	66.24668	63.0668394		95.2	0	0	1.3804	10	150	66%	37	130	0%	
2,4,5-Trichlorophenol	A	ug/L	76.77112	73.0861062		95.2	0	0	2.12296	10	150	77%	53	123	0%	
2,4,6-Trichlorophenol	A	ug/L	83.04734	79.0610677		95.2	0	0	2.51328	10	150	83%	50	125	0%	
2,4-Dichlorophenol	A	ug/L	68.97656	65.6656851		95.2	0	0	1.60888	10	150	69%	47	121	0%	
2,4-Dimethylphenol	A	ug/L	68.11152	64.8421670		95.2	0	0	1.60888	10	150	68%	31	124	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044919	B22020962-006	SVOC-8270-W-	MS-DOD	SV5973N.I\sd0212/20/2022 1:36:0		1	163724	2/14/2022 1	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	89.11602	84.8384510		95.2	0	0	4.05552	10	150	89%	23	142	0%	
2,4-Dinitrotoluene	A	ug/L	89.00167	84.7295898		95.2	0	0	2.89408	10	150	89%	57	128	0%	
2,6-Dinitrotoluene	A	ug/L	80.07272	76.2292294		95.2	0	0	3.0464	10	150	80%	50	118	0%	
2-Chloronaphthalene	A	ug/L	81.66274	77.7429285		95.2	0	0	2.03728	10	150	82%	40	116	0%	
2-Chlorophenol	A	ug/L	59.50045	56.6444284		95.2	0	0	2.36096	10	150	60%	38	117	0%	
2-Methylnaphthalene	A	ug/L	80.34385	76.4873452		95.2	0	0	1.82784	10	150	80%	40	121	0%	
2-Nitroaniline	A	ug/L	85.44912	81.3475622		95.2	0	0	2.2848	10	150	85%	55	127	0%	
2-Nitrophenol	A	ug/L	81.12632	77.2322566		95.2	0	0	2.24672	10	150	81%	47	123	0%	
3,3´-Dichlorobenzidine	A	ug/L	56.30677	53.6040450		95.2	0	0	2.00872	10	150	56%	27	129	0%	
3-Nitroaniline	A	ug/L	72.03093	68.5734454		95.2	0	0	2.63704	10	150	72%	41	128	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	90.01773	85.696879		95.2	0	0	2.21816	10	150	90%	44	137	0%	
4-Bromophenyl phenyl ether	A	ug/L	87.68104	83.4723501		95.2	0	0	1.65648	10	150	88%	55	124	0%	
4-Chloro-2-methylphenol	A	ug/L	71.55816	68.1233683		95.2	0	0	1.5232	10	150	72%	49	89	0%	
4-Chloro-3-methylphenol	A	ug/L	81.59011	77.6737847		95.2	0	0	1.38992	10	150	82%	52	119	0%	
4-Chlorophenol	A	ug/L	63.10126	60.0723995		95.2	0	0	2.51328	10	150	63%	41	81	0%	
4-Chlorophenyl phenyl ether	A	ug/L	93.45415	88.9683508		95.2	0	0	1.93256	10	150	93%	53	121	0%	
4-Nitroaniline	A	ug/L	83.89137	79.8645842		95.2	0	0	1.55176	10	150	84%	57	101	0%	
4-Nitrophenol	A	ug/L	40.03116	38.1096643		95.2	0	0	2.38	10	150	40%	15	36	0%	S
Acenaphthene	A	ug/L	84.52904	80.4716461		95.2	0	0	1.79928	10	150	85%	47	122	0%	
Acenaphthylene	A	ug/L	78.02544	74.2802189		95.2	0	0	1.49464	10	150	78%	41	130	0%	
Aniline	A	ug/L	33.30123	31.702771		95.2	0	0	3.56048	10	150	33%	24	60	0%	
Anthracene	A	ug/L	87.76257	83.5499666		95.2	0	0	1.17096	10	150	88%	57	123	0%	
Azobenzene	A	ug/L	77.97185	74.2292012		95.2	0	0	1.03768	10	150	78%	61	116	0%	
Benzidine	A	ug/L	6.16183	0		95.2	0	0	6.39744	10	150	0%	10	100	0%	S
Benzo(a)anthracene	A	ug/L	95.60388	91.0148938		95.2	0	0	0.814912	10	150	96%	58	125	0%	
Benzo(a)pyrene	A	ug/L	80.48915	76.6256708		95.2	0	0	1.18048	10	150	80%	54	128	0%	
Benzo(b)fluoranthene	A	ug/L	83.99851	79.9665815		95.2	0	0	0.859656	10	150	84%	53	131	0%	
Benzo(g,h,i)perylene	A	ug/L	82.61419	78.6487089		95.2	0	0	0.96152	10	150	83%	50	134	0%	
Benzo(k)fluoranthene	A	ug/L	83.47193	79.4652774		95.2	0	0	0.92344	10	150	83%	57	129	0%	
Benzoic acid	A	ug/L	31.70463	30.1828078		95.2	0	0	1.43752	10	150	32%	10	30	0%	S
Benzyl alcohol	A	ug/L	64.8063	61.6955976		95.2	11.831846	0	2.97976	10	150	52%	31	112	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	76.36029	72.6949961		95.2	0	0	1.29472	10	150	76%	48	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	72.7472	69.2553344		95.2	0	0	2.44664	10	150	73%	43	118	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	66.24668	63.0668394		95.2	0	0	1.41848	10	150	66%	37	130	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	95.61273	91.023319		95.2	0	0	1.81832	10	150	96%	55	135	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044919	B22020962-006	SVOC-8270-W-	MS-DOD	SV5973N.I\sd0212/20/2022 1:36:0		1	163724	2/14/2022 1	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Butylbenzylphthalate	A	ug/L	98.21761	93.5031647		95.2	0	0	1.49464	10	150	98%	53	134	0%	
Carbazole	A	ug/L	85.58309	81.4751017		95.2	0	0	0.801584	10	150	86%	60	122	0%	
Chrysene	A	ug/L	90.02842	85.7070558		95.2	0	0	1.11384	10	150	90%	59	123	0%	
Di-n-butyl phthalate	A	ug/L	101.19867	96.3411338		95.2	0	0	0.887264	10	150	101%	59	127	0%	
Di-n-octyl phthalate	A	ug/L	90.60583	86.2567502		95.2	0	0	1.27568	10	150	91%	51	140	0%	
Dibenzo(a,h)anthracene	A	ug/L	86.006	81.877712		95.2	0	0	1.11384	10	150	86%	51	134	0%	
Dibenzofuran	A	ug/L	85.22736	81.1364467		95.2	0	0	1.65648	10	150	85%	53	118	0%	
Diethyl phthalate	A	ug/L	90.7745	86.417324		95.2	0	0	2.07536	10	150	91%	56	125	0%	
Dimethyl phthalate	A	ug/L	96.22287	91.6041722		95.2	0	0	1.63744	10	150	96%	45	127	0%	
Fluoranthene	A	ug/L	87.30349	83.1129225		95.2	0	0	0.840616	10	150	87%	57	128	0%	
Fluorene	A	ug/L	82.65288	78.6855418		95.2	0	0	1.73264	10	150	83%	52	124	0%	
Hexachlorobenzene	A	ug/L	82.41161	78.4558527		95.2	0	0	1.26616	10	150	82%	53	125	0%	
Hexachlorobutadiene	A	ug/L	67.55574	64.3130645		95.2	0	0	2.20864	10	150	68%	22	124	0%	
Hexachlorocyclopentadiene	A	ug/L	67.13399	63.9115585		95.2	0	0	2.82744	10	150	67%	39	91	0%	
Hexachloroethane	A	ug/L	63.94845	60.8789244		95.2	0	0	1.70408	10	150	64%	21	115	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	83.2917	79.2936984		95.2	0	0	1.19	10	150	83%	52	134	0%	
Isophorone	A	ug/L	79.09243	75.2959934		95.2	0	0	1.58984	10	150	79%	42	124	0%	
m+p-Cresols	A	ug/L	63.17847	60.1459034		95.2	0	0	1.69456	10	150	63%	29	110	0%	
n-Nitroso-di-n-propylamine	A	ug/L	94.38299	89.8526065		95.2	0	0	1.46608	10	150	94%	49	119	0%	
n-Nitrosodimethylamine	A	ug/L	52.35272	49.8397894		95.2	0	0	1.45656	10	150	52%	20	45	0%	S
n-Nitrosodiphenylamine	A	ug/L	87.56413	83.3610518		95.2	0	0	1.10432	10	150	88%	51	123	0%	
Naphthalene	A	ug/L	81.01594	77.1271749		95.2	0	0	1.65648	10	150	81%	40	121	0%	
Nitrobenzene	A	ug/L	80.08861	76.2443567		95.2	0	0	2.19912	10	150	80%	45	121	0%	
o-Cresol	A	ug/L	71.9634	68.5091568		95.2	0	0	1.74216	10	150	72%	30	117	0%	
p-Chloroaniline	A	ug/L	57.15614	54.4126453		95.2	0	0	1.44704	10	150	57%	33	117	0%	
Pentachlorophenol	A	ug/L	102.42479	97.5084001		95.2	0	0	4.03648	10	150	102%	35	138	0%	
Phenanthrene	A	ug/L	87.80666	83.5919403		95.2	0	0	0.746368	10	150	88%	59	120	0%	
Phenol	A	ug/L	42.59091	40.5465463		95.2	0	0	1.38992	10	150	43%	37	75	0%	
Pyrene	A	ug/L	85.5213	81.4162776		95.2	0	0	0.876792	10	150	86%	57	126	0%	
Pyridine	A	ug/L	30.93403	29.4491966		95.2	0	0	3.06544	10	150	31%	16	45	0%	
Triallate	A	ug/L	89.05342	84.7788558		95.2	0	0	1.43752	10	150	89%	59	105	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044919	B22020962-006	SVOC-8270-W-	MS-DOD	SV5973N.I\sd0212/20/2022 1:36:0		1	163724	2/14/2022 1	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Perylene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	167.74833	159.696410		190.4	0	0	2.74176	10	0	84%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	79.02658	75.2333042		95.2	0	0	0.689248	10	0	79%	44	119	0%	
2-Fluorophenol	S	ug/L	65.64661	62.4955727		190.4	0	0	3.35104	10	0	33%	19	119	0%	
Nitrobenzene-d5	S	ug/L	74.90362	71.3082462		95.2	0	0	2.22768	10	0	75%	44	120	0%	
Phenol-d5	S	ug/L	72.85085	69.3540092		190.4	0	0	1.96112	10	0	36%	10	65	0%	
Terphenyl-d14	S	ug/L	94.97079	90.4121921		95.2	0	0	1.11384	10	0	95%	50	134	0%	
4-Chloroaniline	X	ug/L	57.15614	54.4126453		95.2	0	0	1.53272	10	150	57%	33	117	0%	
o-Terphenyl	X	ug/L	82.93322	78.9524254		95.2	0	0	1.20904	10	150	83%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044920	B22020962-011	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 2:08:1		1	163724	2/14/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8278	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.89514	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.04906	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.94324	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.29918	4.81	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.3949	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.14526	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.53968	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.62578	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.62578	10	150	0%	0	0	0%	U
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.09812	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.92448	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0784	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.05868	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.38576	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.84704	4.81	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.3088	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.27032	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.02982	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.66474	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044920	B22020962-011	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 2:08:1		1	163724	2/14/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.24146	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.67388	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5392	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.40452	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.53968	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.95286	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.56806	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.405	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.81818	4.81	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.51034	4.81	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.59788	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.18326	4.81	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.04858	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.46464	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.823472	4.81	150	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.19288	4.81	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.868686	4.81	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.97162	4.81	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.93314	4.81	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.45262	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	3.01106	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.30832	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.47234	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.43338	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.83742	10	150	0%	0	0	0%	U
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.51034	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.810004	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.12554	4.81	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.896584	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.28908	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.12554	4.81	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.67388	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.09716	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.65464	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.849446	4.81	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044920	B22020962-011	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 2:08:1		1	163724	2/14/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluorene	A	ug/L	0	0		0	0	0	1.75084	4.81	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.27946	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.23184	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.85714	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.72198	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.2025	4.81	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.60654	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.71236	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.48148	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.47186	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.11592	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.67388	4.81	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.22222	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.76046	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.46224	10	150	0%	0	0	0%	U
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.07888	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.754208	4.81	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.40452	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.886002	4.81	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.09764	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.45262	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	163.1736	156.973003		192.4	0	0	2.77056	10	0	82%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	70.91206	68.2174017		96.2	0	0	0.696488	10	0	71%	44	119	0%	
2-Fluorophenol	S	ug/L	68.40045	65.8012329		192.4	0	0	3.38624	10	0	34%	19	119	0%	
Nitrobenzene-d5	S	ug/L	69.99728	67.3373834		96.2	0	0	2.25108	10	0	70%	44	120	0%	
Phenol-d5	S	ug/L	57.59982	55.4110268		192.4	0	0	1.98172	10	0	29%	10	65	0%	
Terphenyl-d14	S	ug/L	103.5926	99.6560812		96.2	0	0	1.12554	10	0	104%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.54882	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.22174	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044921	B22020962-016	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 2:40:2		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8088	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.87544	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02776	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.92304	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.27528	4.76	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.3804	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.12296	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.05552	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.89408	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0464	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.03728	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.36096	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.82784	4.76	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.2848	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.24672	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.00872	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.63704	10	150	0%	0	0	0%	U
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.21816	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5232	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.93256	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.55176	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.38	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.79928	4.76	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.49464	4.76	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.56048	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.17096	4.76	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.03768	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.39744	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.814912	4.76	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044921	B22020962-016	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 2:40:2		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.18048	4.76	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.859656	4.76	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.96152	4.76	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.92344	4.76	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	2.97976	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.29472	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.44664	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.41848	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.81832	10	150	0%	0	0	0%	U
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.49464	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.801584	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.887264	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.27568	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.07536	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.63744	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.840616	4.76	150	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	1.73264	4.76	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.26616	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.20864	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.82744	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.70408	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.19	4.76	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.58984	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.69456	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.46608	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.45656	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.10432	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.65648	4.76	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.19912	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.74216	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.44704	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044921	B22020962-016	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 2:40:2		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.03648	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.746368	4.76	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.876792	4.76	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.06544	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	119.48889	113.753423		190.4	0	0	2.74176	10	0	60%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	50.27672	47.8634374		95.2	0	0	0.689248	10	0	50%	44	119	0%	
2-Fluorophenol	S	ug/L	49.34935	46.9805812		190.4	0	0	3.35104	10	0	25%	19	119	0%	
Nitrobenzene-d5	S	ug/L	55.20774	52.5577685		95.2	0	0	2.22768	10	0	55%	44	120	0%	
Phenol-d5	S	ug/L	50.81914	48.3798213		190.4	0	0	1.96112	10	0	25%	10	65	0%	
Terphenyl-d14	S	ug/L	94.22127	89.6986490		95.2	0	0	1.11384	10	0	94%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.53272	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.20904	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044922	B22020962-021	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 3:12:3		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8088	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.87544	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02776	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.92304	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.27528	4.76	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.3804	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.12296	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044922	B22020962-021	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 3:12:3		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.05552	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.89408	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0464	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.03728	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.36096	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.82784	4.76	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.2848	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.24672	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.00872	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.63704	10	150	0%	0	0	0%	U
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.21816	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5232	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.93256	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.55176	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.38	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.79928	4.76	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.49464	4.76	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.56048	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.17096	4.76	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.03768	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.39744	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.814912	4.76	150	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.18048	4.76	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.859656	4.76	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.96152	4.76	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.92344	4.76	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	2.97976	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.29472	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.44664	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.41848	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.81832	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044922	B22020962-021	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 3:12:3		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.49464	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.801584	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.887264	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.27568	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.07536	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.63744	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.840616	4.76	150	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	1.73264	4.76	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.26616	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.20864	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.82744	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.70408	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.19	4.76	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.58984	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.69456	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.46608	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.45656	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.10432	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.65648	4.76	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.19912	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.74216	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.44704	10	150	0%	0	0	0%	U
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.03648	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.746368	4.76	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.876792	4.76	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.06544	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044922	B22020962-021	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 3:12:3		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Perylene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	156.44376	148.93446		190.4	0	0	2.74176	10	0	78%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	67.04046	63.8225179		95.2	0	0	0.689248	10	0	67%	44	119	0%	
2-Fluorophenol	S	ug/L	57.18614	54.4412053		190.4	0	0	3.35104	10	0	29%	19	119	0%	
Nitrobenzene-d5	S	ug/L	64.61711	61.5154887		95.2	0	0	2.22768	10	0	65%	44	120	0%	
Phenol-d5	S	ug/L	54.98421	52.3449679		190.4	0	0	1.96112	10	0	27%	10	65	0%	
Terphenyl-d14	S	ug/L	105.41285	100.353033		95.2	0	0	1.11384	10	0	105%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.53272	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.20904	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044923	B22020962-026	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 3:44:4		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8278	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.89514	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.04906	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.94324	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	1.84165	0		0	0	0	2.29918	4.81	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.3949	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.14526	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.53968	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.62578	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.62578	10	150	0%	0	0	0%	U
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.09812	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.92448	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0784	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.05868	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.38576	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	1.49652	0		0	0	0	1.84704	4.81	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.3088	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.27032	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.02982	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.66474	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044923	B22020962-026	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 3:44:4		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.24146	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.67388	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5392	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.40452	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.53968	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.95286	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.56806	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.405	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.81818	4.81	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.51034	4.81	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.59788	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.18326	4.81	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.04858	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.46464	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.823472	4.81	150	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.19288	4.81	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.868686	4.81	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.97162	4.81	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.93314	4.81	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.45262	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	19.03565	18.3122953		0	0	0	3.01106	10	150	0%	0	0	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.30832	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.47234	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.43338	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.83742	10	150	0%	0	0	0%	U
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.51034	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.810004	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.12554	4.81	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.896584	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.28908	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.12554	4.81	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.67388	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.09716	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.65464	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	2.19251	2.10919462		0	0	0	0.849446	4.81	150	0%	0	0	0%	J

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044923	B22020962-026	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 3:44:4		1	163724	2/14/2022	1	0	0

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluorene	A	ug/L	0	0		0	0	0	1.75084	4.81	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.27946	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.23184	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.85714	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.72198	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.2025	4.81	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.60654	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.71236	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.48148	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.47186	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.11592	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.67388	4.81	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.22222	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.76046	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.46224	10	150	0%	0	0	0%	U
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.07888	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.754208	4.81	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.40452	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.886002	4.81	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.09764	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.45262	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.48		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	124.44154	119.712761		192.4	0	0	2.77056	10	0	62%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	60.59067	58.2882245		96.2	0	0	0.696488	10	0	61%	44	119	0%	
2-Fluorophenol	S	ug/L	68.89238	66.2744696		192.4	0	0	3.38624	10	0	34%	19	119	0%	
Nitrobenzene-d5	S	ug/L	67.77827	65.2026957		96.2	0	0	2.25108	10	0	68%	44	120	0%	
Phenol-d5	S	ug/L	61.89289	59.5409602		192.4	0	0	1.98172	10	0	31%	10	65	0%	
Terphenyl-d14	S	ug/L	86.58205	83.2919321		96.2	0	0	1.12554	10	0	87%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.54882	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.22174	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044924	B22020962-031	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 4:16:5		1	163724	2/14/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8088	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.87544	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02776	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.92304	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.27528	4.76	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.3804	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.12296	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.05552	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.89408	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0464	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.03728	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.36096	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.82784	4.76	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.2848	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.24672	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.00872	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.63704	10	150	0%	0	0	0%	U
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.21816	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5232	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.93256	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.55176	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.38	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.79928	4.76	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.49464	4.76	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.56048	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.17096	4.76	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.03768	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.39744	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.814912	4.76	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044924	B22020962-031	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 4:16:5		1	163724	2/14/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.18048	4.76	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.859656	4.76	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.96152	4.76	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.92344	4.76	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	2.97976	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.29472	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.44664	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.41848	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.81832	10	150	0%	0	0	0%	U
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.49464	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.801584	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.887264	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.27568	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.07536	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.63744	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.840616	4.76	150	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	1.73264	4.76	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.26616	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.20864	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.82744	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.70408	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.19	4.76	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.58984	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.69456	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.46608	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.45656	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.10432	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.65648	4.76	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.19912	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.74216	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.44704	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044924	B22020962-031	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 4:16:5		1	163724	2/14/2022 9:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.03648	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.746368	4.76	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.876792	4.76	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.06544	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	162.73787	154.926452		190.4	0	0	2.74176	10	0	81%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	68.01408	64.7494042		95.2	0	0	0.689248	10	0	68%	44	119	0%	
2-Fluorophenol	S	ug/L	62.13781	59.1551951		190.4	0	0	3.35104	10	0	31%	19	119	0%	
Nitrobenzene-d5	S	ug/L	68.33415	65.0541108		95.2	0	0	2.22768	10	0	68%	44	120	0%	
Phenol-d5	S	ug/L	58.84292	56.0184598		190.4	0	0	1.96112	10	0	29%	10	65	0%	
Terphenyl-d14	S	ug/L	103.13277	98.1823970		95.2	0	0	1.11384	10	0	103%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.53272	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.20904	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044928	B22020962-032	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 4:49:0		1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	0	0		0	0	0	1.8088	10	150	0%	0	0	0%	U
1,2-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.87544	10	150	0%	0	0	0%	U
1,3-Dichlorobenzene	A	ug/L	0	0		0	0	0	2.02776	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene	A	ug/L	0	0		0	0	0	1.92304	10	150	0%	0	0	0%	U
1-Methylnaphthalene	A	ug/L	0	0		0	0	0	2.27528	4.76	150	0%	0	0	0%	U
2,2´-Oxybis(1-Chloropropane)	A	ug/L	0	0		0	0	0	1.3804	10	150	0%	0	0	0%	U
2,4,5-Trichlorophenol	A	ug/L	0	0		0	0	0	2.12296	10	150	0%	0	0	0%	U
2,4,6-Trichlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
2,4-Dichlorophenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U
2,4-Dimethylphenol	A	ug/L	0	0		0	0	0	1.60888	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044928	B22020962-032	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 4:49:0		1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
2,4-Dinitrophenol	A	ug/L	0	0		0	0	0	4.05552	10	150	0%	0	0	0%	U
2,4-Dinitrotoluene	A	ug/L	0	0		0	0	0	2.89408	10	150	0%	0	0	0%	U
2,6-Dinitrotoluene	A	ug/L	0	0		0	0	0	3.0464	10	150	0%	0	0	0%	U
2-Chloronaphthalene	A	ug/L	0	0		0	0	0	2.03728	10	150	0%	0	0	0%	U
2-Chlorophenol	A	ug/L	0	0		0	0	0	2.36096	10	150	0%	0	0	0%	U
2-Methylnaphthalene	A	ug/L	0	0		0	0	0	1.82784	4.76	150	0%	0	0	0%	U
2-Nitroaniline	A	ug/L	0	0		0	0	0	2.2848	10	150	0%	0	0	0%	U
2-Nitrophenol	A	ug/L	0	0		0	0	0	2.24672	10	150	0%	0	0	0%	U
3,3´-Dichlorobenzidine	A	ug/L	0	0		0	0	0	2.00872	10	150	0%	0	0	0%	U
3-Nitroaniline	A	ug/L	0	0		0	0	0	2.63704	10	150	0%	0	0	0%	U
4,6-Dinitro-2-methylphenol	A	ug/L	0	0		0	0	0	2.21816	10	150	0%	0	0	0%	U
4-Bromophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
4-Chloro-2-methylphenol	A	ug/L	0	0		0	0	0	1.5232	10	150	0%	0	0	0%	U
4-Chloro-3-methylphenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
4-Chlorophenol	A	ug/L	0	0		0	0	0	2.51328	10	150	0%	0	0	0%	U
4-Chlorophenyl phenyl ether	A	ug/L	0	0		0	0	0	1.93256	10	150	0%	0	0	0%	U
4-Nitroaniline	A	ug/L	0	0		0	0	0	1.55176	10	150	0%	0	0	0%	U
4-Nitrophenol	A	ug/L	0	0		0	0	0	2.38	10	150	0%	0	0	0%	U
Acenaphthene	A	ug/L	0	0		0	0	0	1.79928	4.76	150	0%	0	0	0%	U
Acenaphthylene	A	ug/L	0	0		0	0	0	1.49464	4.76	150	0%	0	0	0%	U
Aniline	A	ug/L	0	0		0	0	0	3.56048	10	150	0%	0	0	0%	U
Anthracene	A	ug/L	0	0		0	0	0	1.17096	4.76	150	0%	0	0	0%	U
Azobenzene	A	ug/L	0	0		0	0	0	1.03768	10	150	0%	0	0	0%	U
Benzidine	A	ug/L	0	0		0	0	0	6.39744	10	150	0%	0	0	0%	U
Benzo(a)anthracene	A	ug/L	0	0		0	0	0	0.814912	4.76	150	0%	0	0	0%	U
Benzo(a)pyrene	A	ug/L	0	0		0	0	0	1.18048	4.76	150	0%	0	0	0%	U
Benzo(b)fluoranthene	A	ug/L	0	0		0	0	0	0.859656	4.76	150	0%	0	0	0%	U
Benzo(g,h,i)perylene	A	ug/L	0	0		0	0	0	0.96152	4.76	150	0%	0	0	0%	U
Benzo(k)fluoranthene	A	ug/L	0	0		0	0	0	0.92344	4.76	150	0%	0	0	0%	U
Benzoic acid	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
Benzyl alcohol	A	ug/L	0	0		0	0	0	2.97976	10	150	0%	0	0	0%	U
bis(-2-chloroethoxy)Methane	A	ug/L	0	0		0	0	0	1.29472	10	150	0%	0	0	0%	U
bis(-2-chloroethyl)Ether	A	ug/L	0	0		0	0	0	2.44664	10	150	0%	0	0	0%	U
bis(2-chloroisopropyl)Ether	A	ug/L	0	0		0	0	0	1.41848	10	150	0%	0	0	0%	U
bis(2-ethylhexyl)Phthalate	A	ug/L	0	0		0	0	0	1.81832	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044928	B22020962-032	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 4:49:0		1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Butylbenzylphthalate	A	ug/L	0	0		0	0	0	1.49464	10	150	0%	0	0	0%	U
Carbazole	A	ug/L	0	0		0	0	0	0.801584	10	150	0%	0	0	0%	U
Chrysene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Di-n-butyl phthalate	A	ug/L	0	0		0	0	0	0.887264	10	150	0%	0	0	0%	U
Di-n-octyl phthalate	A	ug/L	0	0		0	0	0	1.27568	10	150	0%	0	0	0%	U
Dibenzo(a,h)anthracene	A	ug/L	0	0		0	0	0	1.11384	4.76	150	0%	0	0	0%	U
Dibenzofuran	A	ug/L	0	0		0	0	0	1.65648	10	150	0%	0	0	0%	U
Diethyl phthalate	A	ug/L	0	0		0	0	0	2.07536	10	150	0%	0	0	0%	U
Dimethyl phthalate	A	ug/L	0	0		0	0	0	1.63744	10	150	0%	0	0	0%	U
Fluoranthene	A	ug/L	0	0		0	0	0	0.840616	4.76	150	0%	0	0	0%	U
Fluorene	A	ug/L	0	0		0	0	0	1.73264	4.76	150	0%	0	0	0%	U
Hexachlorobenzene	A	ug/L	0	0		0	0	0	1.26616	10	150	0%	0	0	0%	U
Hexachlorobutadiene	A	ug/L	0	0		0	0	0	2.20864	10	150	0%	0	0	0%	U
Hexachlorocyclopentadiene	A	ug/L	0	0		0	0	0	2.82744	10	150	0%	0	0	0%	U
Hexachloroethane	A	ug/L	0	0		0	0	0	1.70408	10	150	0%	0	0	0%	U
Indeno(1,2,3-cd)pyrene	A	ug/L	0	0		0	0	0	1.19	4.76	150	0%	0	0	0%	U
Isophorone	A	ug/L	0	0		0	0	0	1.58984	10	150	0%	0	0	0%	U
m+p-Cresols	A	ug/L	0	0		0	0	0	1.69456	10	150	0%	0	0	0%	U
n-Nitroso-di-n-propylamine	A	ug/L	0	0		0	0	0	1.46608	10	150	0%	0	0	0%	U
n-Nitrosodimethylamine	A	ug/L	0	0		0	0	0	1.45656	10	150	0%	0	0	0%	U
n-Nitrosodiphenylamine	A	ug/L	0	0		0	0	0	1.10432	10	150	0%	0	0	0%	U
Naphthalene	A	ug/L	0	0		0	0	0	1.65648	4.76	150	0%	0	0	0%	U
Nitrobenzene	A	ug/L	0	0		0	0	0	2.19912	10	150	0%	0	0	0%	U
o-Cresol	A	ug/L	0	0		0	0	0	1.74216	10	150	0%	0	0	0%	U
p-Chloroaniline	A	ug/L	0	0		0	0	0	1.44704	10	150	0%	0	0	0%	U
Pentachlorophenol	A	ug/L	0	0		0	0	0	4.03648	10	150	0%	0	0	0%	U
Phenanthrene	A	ug/L	0	0		0	0	0	0.746368	4.76	150	0%	0	0	0%	U
Phenol	A	ug/L	0	0		0	0	0	1.38992	10	150	0%	0	0	0%	U
Pyrene	A	ug/L	0	0		0	0	0	0.876792	4.76	150	0%	0	0	0%	U
Pyridine	A	ug/L	0	0		0	0	0	3.06544	10	150	0%	0	0	0%	U
Triallate	A	ug/L	0	0		0	0	0	1.43752	10	150	0%	0	0	0%	U
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044928	B22020962-032	SVOC-8270-W-	SAMP	SV5973N.I\sd0212/20/2022 4:49:0		1	163724	2/14/2022 8:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Perylene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%	0	0	0%	
2,4,6-Tribromophenol	S	ug/L	162.52798	154.726637		190.4	0	0	2.74176	10	0	81%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	73.23373	69.718511		95.2	0	0	0.689248	10	0	73%	44	119	0%	
2-Fluorophenol	S	ug/L	64.74194	61.6343269		190.4	0	0	3.35104	10	0	32%	19	119	0%	
Nitrobenzene-d5	S	ug/L	68.08509	64.8170057		95.2	0	0	2.22768	10	0	68%	44	120	0%	
Phenol-d5	S	ug/L	62.48485	59.4855772		190.4	0	0	1.96112	10	0	31%	10	65	0%	
Terphenyl-d14	S	ug/L	106.52105	101.40804		95.2	0	0	1.11384	10	0	107%	50	134	0%	
4-Chloroaniline	X	ug/L	0	0		0	0	0	1.53272	10	150	0%	0	0	0%	U
o-Terphenyl	X	ug/L	0	0		0	0	0	1.20904	10	150	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044929	B22020962-032	SVOC-8270-W-	MS-DOD	SV5973N.I\sd0212/20/2022 5:21:2		1	163724	2/14/2022 9:	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	74.0857	70.5295864		95.2	0	0	1.8088	10	150	74%	29	116	0%	
1,2-Dichlorobenzene	A	ug/L	65.46857	62.3260786		95.2	0	0	1.87544	10	150	65%	32	111	0%	
1,3-Dichlorobenzene	A	ug/L	63.41004	60.3663581		95.2	0	0	2.02776	10	150	63%	28	110	0%	
1,4-Dichlorobenzene	A	ug/L	62.65262	59.6452942		95.2	0	0	1.92304	10	150	63%	29	112	0%	
1-Methylnaphthalene	A	ug/L	79.35572	75.5466454		95.2	0	0	2.27528	10	150	79%	41	119	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	67.29853	64.0682006		95.2	0	0	1.3804	10	150	67%	37	130	0%	
2,4,5-Trichlorophenol	A	ug/L	88.19265	83.9594028		95.2	0	0	2.12296	10	150	88%	53	123	0%	
2,4,6-Trichlorophenol	A	ug/L	97.91299	93.2131665		95.2	0	0	2.51328	10	150	98%	50	125	0%	
2,4-Dichlorophenol	A	ug/L	82.04078	78.1028226		95.2	0	0	1.60888	10	150	82%	47	121	0%	
2,4-Dimethylphenol	A	ug/L	78.14168	74.3908794		95.2	0	0	1.60888	10	150	78%	31	124	0%	
2,4-Dinitrophenol	A	ug/L	93.55426	89.0636555		95.2	0	0	4.05552	10	150	94%	23	142	0%	
2,4-Dinitrotoluene	A	ug/L	94.70936	90.1633107		95.2	0	0	2.89408	10	150	95%	57	128	0%	
2,6-Dinitrotoluene	A	ug/L	88.24384	84.0081357		95.2	0	0	3.0464	10	150	88%	50	118	0%	
2-Chloronaphthalene	A	ug/L	86.05321	81.9226559		95.2	0	0	2.03728	10	150	86%	40	116	0%	
2-Chlorophenol	A	ug/L	68.10703	64.8378926		95.2	0	0	2.36096	10	150	68%	38	117	0%	
2-Methylnaphthalene	A	ug/L	84.3067	80.2599784		95.2	0	0	1.82784	10	150	84%	40	121	0%	
2-Nitroaniline	A	ug/L	98.43285	93.7080732		95.2	0	0	2.2848	10	150	98%	55	127	0%	
2-Nitrophenol	A	ug/L	89.77787	85.4685322		95.2	0	0	2.24672	10	150	90%	47	123	0%	
3,3´-Dichlorobenzidine	A	ug/L	79.77715	75.9478468		95.2	0	0	2.00872	10	150	80%	27	129	0%	
3-Nitroaniline	A	ug/L	81.22478	77.3259906		95.2	0	0	2.63704	10	150	81%	41	128	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist				
15044929	B22020962-032	SVOC-8270-W-	MS-DOD	SV5973N.I\sd0212/20/2022 5:21:2		1	163724	2/14/2022 9:	2E+07	0					

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
4,6-Dinitro-2-methylphenol	A	ug/L	92.52648	88.085209		95.2	0	0	2.21816	10	150	93%	44	137	0%	
4-Bromophenyl phenyl ether	A	ug/L	98.78589	94.0441673		95.2	0	0	1.65648	10	150	99%	55	124	0%	
4-Chloro-2-methylphenol	A	ug/L	85.90231	81.7789991		95.2	0	0	1.5232	10	150	86%	49	89	0%	
4-Chloro-3-methylphenol	A	ug/L	90.7287	86.3737224		95.2	0	0	1.38992	10	150	91%	52	119	0%	
4-Chlorophenol	A	ug/L	75.92947	72.2848554		95.2	0	0	2.51328	10	150	76%	41	81	0%	
4-Chlorophenyl phenyl ether	A	ug/L	101.90687	97.0153402		95.2	0	0	1.93256	10	150	102%	53	121	0%	
4-Nitroaniline	A	ug/L	95.25284	90.6807037		95.2	0	0	1.55176	10	150	95%	57	101	0%	
4-Nitrophenol	A	ug/L	38.60235	36.7494372		95.2	0	0	2.38	10	150	39%	15	36	0%	S
Acenaphthene	A	ug/L	90.77683	86.4195422		95.2	0	0	1.79928	10	150	91%	47	122	0%	
Acenaphthylene	A	ug/L	82.73223	78.761083		95.2	0	0	1.49464	10	150	83%	41	130	0%	
Aniline	A	ug/L	39.7535	37.845332		95.2	0	0	3.56048	10	150	40%	24	60	0%	
Anthracene	A	ug/L	99.41033	94.6386342		95.2	0	0	1.17096	10	150	99%	57	123	0%	
Azobenzene	A	ug/L	89.65323	85.349875		95.2	0	0	1.03768	10	150	90%	61	116	0%	
Benzidine	A	ug/L	25.89119	24.6484129		95.2	0	0	6.39744	10	150	26%	10	100	0%	
Benzo(a)anthracene	A	ug/L	100.44427	95.6229450		95.2	0	0	0.814912	10	150	100%	58	125	0%	
Benzo(a)pyrene	A	ug/L	87.95415	83.7323508		95.2	0	0	1.18048	10	150	88%	54	128	0%	
Benzo(b)fluoranthene	A	ug/L	94.69325	90.147974		95.2	0	0	0.859656	10	150	95%	53	131	0%	
Benzo(g,h,i)perylene	A	ug/L	94.6836	90.1387872		95.2	0	0	0.96152	10	150	95%	50	134	0%	
Benzo(k)fluoranthene	A	ug/L	85.83109	81.7111977		95.2	0	0	0.92344	10	150	86%	57	129	0%	
Benzoic acid	A	ug/L	31.22801	29.7290655		95.2	0	0	1.43752	10	150	31%	10	30	0%	S
Benzyl alcohol	A	ug/L	61.70197	58.7402754		95.2	0	0	2.97976	10	150	62%	31	112	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	80.80992	76.9310438		95.2	0	0	1.29472	10	150	81%	48	120	0%	
bis(-2-chloroethyl)Ether	A	ug/L	73.03727	69.5314810		95.2	0	0	2.44664	10	150	73%	43	118	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	67.29853	64.0682006		95.2	0	0	1.41848	10	150	67%	37	130	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	101.5948	96.7182496		95.2	0	0	1.81832	10	150	102%	55	135	0%	
Butylbenzylphthalate	A	ug/L	102.45947	97.5414154		95.2	0	0	1.49464	10	150	102%	53	134	0%	
Carbazole	A	ug/L	96.88606	92.2355291		95.2	0	0	0.801584	10	150	97%	60	122	0%	
Chrysene	A	ug/L	96.14498	91.530021		95.2	0	0	1.11384	10	150	96%	59	123	0%	
Di-n-butyl phthalate	A	ug/L	104.86211	99.8287287		95.2	0	0	0.887264	10	150	105%	59	127	0%	
Di-n-octyl phthalate	A	ug/L	102.90862	97.9690062		95.2	0	0	1.27568	10	150	103%	51	140	0%	
Dibenzo(a,h)anthracene	A	ug/L	96.63733	91.9987382		95.2	0	0	1.11384	10	150	97%	51	134	0%	
Dibenzofuran	A	ug/L	91.65708	87.2575402		95.2	0	0	1.65648	10	150	92%	53	118	0%	
Diethyl phthalate	A	ug/L	96.50388	91.8716938		95.2	0	0	2.07536	10	150	97%	56	125	0%	
Dimethyl phthalate	A	ug/L	104.37912	99.3689222		95.2	0	0	1.63744	10	150	104%	45	127	0%	
Fluoranthene	A	ug/L	96.78884	92.1429757		95.2	0	0	0.840616	10	150	97%	57	128	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044929	B22020962-032	SVOC-8270-W-	MS-DOD	SV5973N.I\sd0212/20/2022 5:21:2		1	163724	2/14/2022 9:	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Fluorene	A	ug/L	88.00231	83.7781991		95.2	0	0	1.73264	10	150	88%	52	124	0%	
Hexachlorobenzene	A	ug/L	95.07919	90.5153889		95.2	0	0	1.26616	10	150	95%	53	125	0%	
Hexachlorobutadiene	A	ug/L	71.34261	67.9181647		95.2	0	0	2.20864	10	150	71%	22	124	0%	
Hexachlorocyclopentadiene	A	ug/L	75.43823	71.817195		95.2	0	0	2.82744	10	150	75%	39	91	0%	
Hexachloroethane	A	ug/L	64.05554	60.9808741		95.2	0	0	1.70408	10	150	64%	21	115	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	90.11367	85.7882138		95.2	0	0	1.19	10	150	90%	52	134	0%	
Isophorone	A	ug/L	87.61743	83.4117934		95.2	0	0	1.58984	10	150	88%	42	124	0%	
m+p-Cresols	A	ug/L	71.88902	68.4383470		95.2	0	0	1.69456	10	150	72%	29	110	0%	
n-Nitroso-di-n-propylamine	A	ug/L	101.6679	96.7878408		95.2	0	0	1.46608	10	150	102%	49	119	0%	
n-Nitrosodimethylamine	A	ug/L	56.44268	53.7334314		95.2	0	0	1.45656	10	150	56%	20	45	0%	S
n-Nitrosodiphenylamine	A	ug/L	98.88305	94.1366636		95.2	0	0	1.10432	10	150	99%	51	123	0%	
Naphthalene	A	ug/L	84.34103	80.2926606		95.2	0	0	1.65648	10	150	84%	40	121	0%	
Nitrobenzene	A	ug/L	82.90697	78.9274354		95.2	0	0	2.19912	10	150	83%	45	121	0%	
o-Cresol	A	ug/L	75.51702	71.8922030		95.2	0	0	1.74216	10	150	76%	30	117	0%	
p-Chloroaniline	A	ug/L	66.74635	63.5425252		95.2	0	0	1.44704	10	150	67%	33	117	0%	
Pentachlorophenol	A	ug/L	106.53435	101.420701		95.2	0	0	4.03648	10	150	107%	35	138	0%	
Phenanthrene	A	ug/L	97.97264	93.2699533		95.2	0	0	0.746368	10	150	98%	59	120	0%	
Phenol	A	ug/L	46.48424	44.2529965		95.2	0	0	1.38992	10	150	46%	37	75	0%	
Pyrene	A	ug/L	94.6855	90.140596		95.2	0	0	0.876792	10	150	95%	57	126	0%	
Pyridine	A	ug/L	33.91366	32.2858043		95.2	0	0	3.06544	10	150	34%	16	45	0%	
Triallate	A	ug/L	92.88733	88.4287382		95.2	0	0	1.43752	10	150	93%	59	105	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Acenaphthene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Chrysene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Naphthalene-d8	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Perylene-d12	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
Phenanthrene-d10	I	ug/L	40	38.08		0	0	0	0	10	150	0%			0%	
2,4,6-Tribromophenol	S	ug/L	187.76165	178.749091		190.4	0	0	2.74176	10	0	94%	43	140	0%	
2-Fluorobiphenyl	S	ug/L	82.75844	78.7860349		95.2	0	0	0.689248	10	0	83%	44	119	0%	
2-Fluorophenol	S	ug/L	78.91311	75.1252807		190.4	0	0	3.35104	10	0	39%	19	119	0%	
Nitrobenzene-d5	S	ug/L	75.73309	72.0979017		95.2	0	0	2.22768	10	0	76%	44	120	0%	
Phenol-d5	S	ug/L	78.55507	74.7844266		190.4	0	0	1.96112	10	0	39%	10	65	0%	
Terphenyl-d14	S	ug/L	102.68676	97.7577955		95.2	0	0	1.11384	10	0	103%	50	134	0%	
4-Chloroaniline	X	ug/L	66.74635	63.5425252		95.2	0	0	1.53272	10	150	67%	33	117	0%	
o-Terphenyl	X	ug/L	94.69554	90.1501541		95.2	0	0	1.20904	10	150	95%	40	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044930	18-Feb-22_CCV	SVOC-8270-W-	CCV	SV5973N.I\sd0212/20/2022 5:53:3		1	R374943		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2,4-Trichlorobenzene	A	ug/L	83.07386	83.07386		75	0	0	1.9	10	150	111%	50	150	0%	
1,2-Dichlorobenzene	A	ug/L	83.64526	83.64526		75	0	0	1.97	10	150	112%	50	150	0%	
1,3-Dichlorobenzene	A	ug/L	78.30363	78.30363		75	0	0	2.13	10	150	104%	50	150	0%	
1,4-Dichlorobenzene	A	ug/L	80.27772	80.27772		75	0	0	2.02	10	150	107%	50	150	0%	
1-Methylnaphthalene	A	ug/L	76.35674	76.35674		75	0	0	2.39	10	150	102%	50	150	0%	
2,2´-Oxybis(1-Chloropropane)	A	ug/L	80.25623	80.25623		75	0	0	1.45	10	150	107%	50	150	0%	
2,4,5-Trichlorophenol	A	ug/L	77.92723	77.92723		75	0	0	2.23	10	150	104%	50	150	0%	
2,4,6-Trichlorophenol	A	ug/L	76.97955	76.97955		75	0	0	2.64	10	150	103%	50	150	0%	
2,4-Dichlorophenol	A	ug/L	80.81382	80.81382		75	0	0	1.69	10	150	108%	50	150	0%	
2,4-Dimethylphenol	A	ug/L	70.24031	70.24031		75	0	0	1.69	10	150	94%	50	150	0%	
2,4-Dinitrophenol	A	ug/L	73.38498	73.38498		75	0	0	4.26	10	150	98%	50	150	0%	
2,4-Dinitrotoluene	A	ug/L	83.92324	83.92324		75	0	0	3.04	10	150	112%	50	150	0%	
2,6-Dinitrotoluene	A	ug/L	79.08536	79.08536		75	0	0	3.2	10	150	105%	50	150	0%	
2-Chloronaphthalene	A	ug/L	83.60446	83.60446		75	0	0	2.14	10	150	111%	50	150	0%	
2-Chlorophenol	A	ug/L	80.04244	80.04244		75	0	0	2.48	10	150	107%	50	150	0%	
2-Methylnaphthalene	A	ug/L	75.26651	75.26651		75	0	0	1.92	10	150	100%	50	150	0%	
2-Nitroaniline	A	ug/L	70.85492	70.85492		75	0	0	2.4	10	150	94%	50	150	0%	
2-Nitrophenol	A	ug/L	76.36588	76.36588		75	0	0	2.36	10	150	102%	50	150	0%	
3,3´-Dichlorobenzidine	A	ug/L	77.92927	77.92927		75	0	0	2.11	10	150	104%	50	150	0%	
3-Nitroaniline	A	ug/L	76.58595	76.58595		75	0	0	2.77	10	150	102%	50	150	0%	
4,6-Dinitro-2-methylphenol	A	ug/L	75.0043	75.0043		75	0	0	2.33	10	150	100%	50	150	0%	
4-Bromophenyl phenyl ether	A	ug/L	74.3581	74.3581		75	0	0	1.74	10	150	99%	50	150	0%	
4-Chloro-2-methylphenol	A	ug/L	79.6139	79.6139		75	0	0	1.6	10	150	106%	50	150	0%	
4-Chloro-3-methylphenol	A	ug/L	78.74086	78.74086		75	0	0	1.46	10	150	105%	50	150	0%	
4-Chlorophenol	A	ug/L	83.36578	83.36578		75	0	0	2.64	10	150	111%	50	150	0%	
4-Chlorophenyl phenyl ether	A	ug/L	74.25814	74.25814		75	0	0	2.03	10	150	99%	50	150	0%	
4-Nitroaniline	A	ug/L	78.1488	78.1488		75	0	0	1.63	10	150	104%	50	150	0%	
4-Nitrophenol	A	ug/L	78.82426	78.82426		75	0	0	2.5	10	150	105%	50	150	0%	
Acenaphthene	A	ug/L	78.36549	78.36549		75	0	0	1.89	10	150	104%	50	150	0%	
Acenaphthylene	A	ug/L	75.25491	75.25491		75	0	0	1.57	10	150	100%	50	150	0%	
Aniline	A	ug/L	75.66699	75.66699		75	0	0	3.74	10	150	101%	50	150	0%	
Anthracene	A	ug/L	79.18971	79.18971		75	0	0	1.23	10	150	106%	50	150	0%	
Azobenzene	A	ug/L	81.27775	81.27775		75	0	0	1.09	10	150	108%	50	150	0%	
Benzidine	A	ug/L	55.31148	55.31148		75	0	0	6.72	10	150	74%	50	150	0%	
Benzo(a)anthracene	A	ug/L	79.74017	79.74017		75	0	0	0.856	10	150	106%	50	150	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044930	18-Feb-22_CCV	SVOC-8270-W-	CCV	SV5973N.I\sd0212/20/2022 5:53:3		1	R374943		0	0	

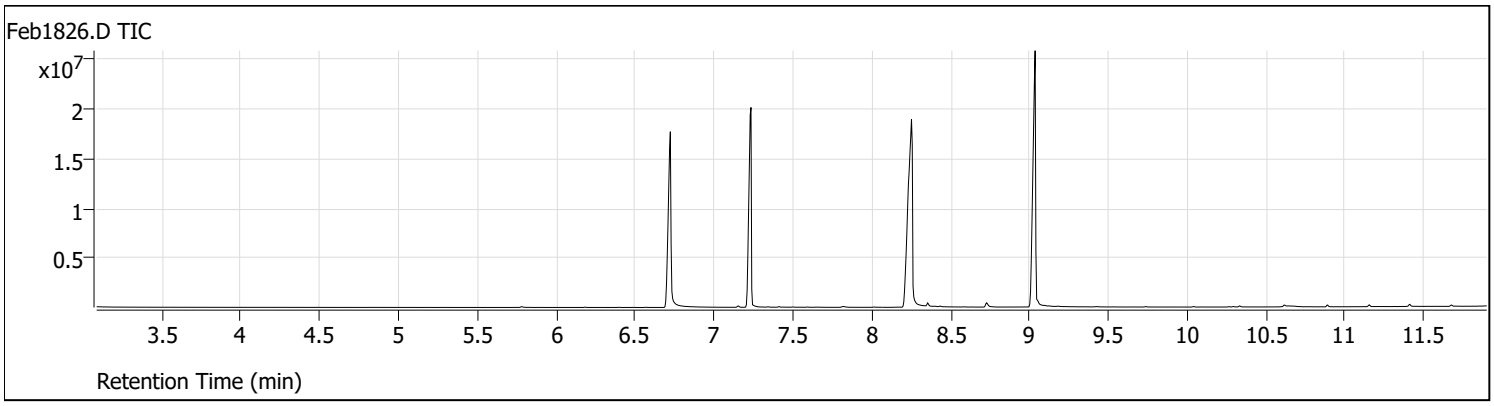
Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Benzo(a)pyrene	A	ug/L	78.41488	78.41488		75	0	0	1.24	10	150	105%	50	150	0%	
Benzo(b)fluoranthene	A	ug/L	80.4444	80.4444		75	0	0	0.903	10	150	107%	50	150	0%	
Benzo(g,h,i)perylene	A	ug/L	79.02661	79.02661		75	0	0	1.01	10	150	105%	50	150	0%	
Benzo(k)fluoranthene	A	ug/L	79.15488	79.15488		75	0	0	0.97	10	150	106%	50	150	0%	
Benzoic acid	A	ug/L	85.80085	85.80085		75	0	0	1.51	10	150	114%	50	150	0%	
Benzyl alcohol	A	ug/L	81.71923	81.71923		75	0	0	3.13	10	150	109%	50	150	0%	
bis(-2-chloroethoxy)Methane	A	ug/L	76.55549	76.55549		75	0	0	1.36	10	150	102%	50	150	0%	
bis(-2-chloroethyl)Ether	A	ug/L	78.76872	78.76872		75	0	0	2.57	10	150	105%	50	150	0%	
bis(2-chloroisopropyl)Ether	A	ug/L	80.25623	80.25623		75	0	0	1.49	10	150	107%	50	150	0%	
bis(2-ethylhexyl)Phthalate	A	ug/L	81.8497	81.8497		75	0	0	1.91	10	150	109%	50	150	0%	
Butylbenzylphthalate	A	ug/L	81.41941	81.41941		75	0	0	1.57	10	150	109%	50	150	0%	
Carbazole	A	ug/L	80.42076	80.42076		75	0	0	0.842	10	150	107%	50	150	0%	
Chrysene	A	ug/L	77.37133	77.37133		75	0	0	1.17	10	150	103%	50	150	0%	
Di-n-butyl phthalate	A	ug/L	81.89385	81.89385		75	0	0	0.932	10	150	109%	50	150	0%	
Di-n-octyl phthalate	A	ug/L	83.49711	83.49711		75	0	0	1.34	10	150	111%	50	150	0%	
Dibenzo(a,h)anthracene	A	ug/L	80.41196	80.41196		75	0	0	1.17	10	150	107%	50	150	0%	
Dibenzofuran	A	ug/L	81.36793	81.36793		75	0	0	1.74	10	150	108%	50	150	0%	
Diethyl phthalate	A	ug/L	83.70719	83.70719		75	0	0	2.18	10	150	112%	50	150	0%	
Dimethyl phthalate	A	ug/L	79.99465	79.99465		75	0	0	1.72	10	150	107%	50	150	0%	
Fluoranthene	A	ug/L	80.17747	80.17747		75	0	0	0.883	10	150	107%	50	150	0%	
Fluorene	A	ug/L	82.40287	82.40287		75	0	0	1.82	10	150	110%	50	150	0%	
Hexachlorobenzene	A	ug/L	77.26189	77.26189		75	0	0	1.33	10	150	103%	50	150	0%	
Hexachlorobutadiene	A	ug/L	79.28879	79.28879		75	0	0	2.32	10	150	106%	50	150	0%	
Hexachlorocyclopentadiene	A	ug/L	77.86445	77.86445		75	0	0	2.97	10	150	104%	50	150	0%	
Hexachloroethane	A	ug/L	77.60666	77.60666		75	0	0	1.79	10	150	103%	50	150	0%	
Indeno(1,2,3-cd)pyrene	A	ug/L	78.34476	78.34476		75	0	0	1.25	10	150	104%	50	150	0%	
Isophorone	A	ug/L	82.5799	82.5799		75	0	0	1.67	10	150	110%	50	150	0%	
m+p-Cresols	A	ug/L	81.46921	81.46921		75	0	0	1.78	10	150	109%	50	150	0%	
n-Nitroso-di-n-propylamine	A	ug/L	79.11857	79.11857		75	0	0	1.54	10	150	105%	50	150	0%	
n-Nitrosodimethylamine	A	ug/L	74.54466	74.54466		75	0	0	1.53	10	150	99%	50	150	0%	
n-Nitrosodiphenylamine	A	ug/L	81.03548	81.03548		75	0	0	1.16	10	150	108%	50	150	0%	
Naphthalene	A	ug/L	79.50199	79.50199		75	0	0	1.74	10	150	106%	50	150	0%	
Nitrobenzene	A	ug/L	72.80375	72.80375		75	0	0	2.31	10	150	97%	50	150	0%	
o-Cresol	A	ug/L	76.58154	76.58154		75	0	0	1.83	10	150	102%	50	150	0%	
o-Terphenyl	A	ug/L	78.17967	78.17967		75	0	0	1.27	10	150	104%	50	150	0%	

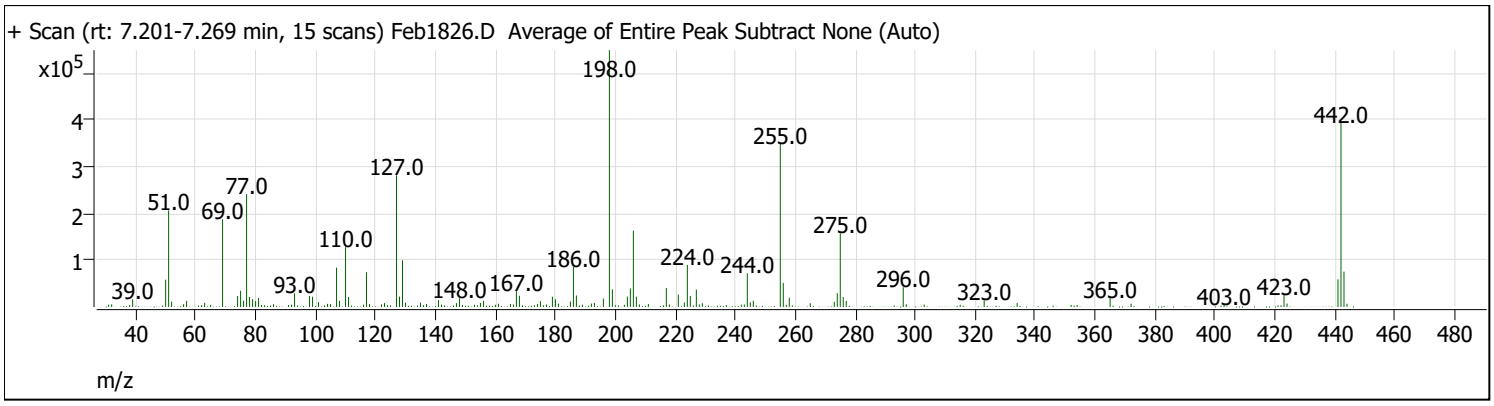
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15044930	18-Feb-22_CCV	SVOC-8270-W-	CCV	SV5973N.I\sd0212/20/2022 5:53:3		1	R374943		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
p-Chloroaniline	A	ug/L	83.35267	83.35267		75	0	0	1.52	10	150	111%	50	150	0%	
Pentachlorophenol	A	ug/L	86.47693	86.47693		75	0	0	4.24	10	150	115%	50	150	0%	
Phenanthrene	A	ug/L	78.18922	78.18922		75	0	0	0.784	10	150	104%	50	150	0%	
Phenol	A	ug/L	80.86134	80.86134		75	0	0	1.46	10	150	108%	50	150	0%	
Pyrene	A	ug/L	79.15067	79.15067		75	0	0	0.921	10	150	106%	50	150	0%	
Pyridine	A	ug/L	75.42718	75.42718		75	0	0	3.22	10	150	101%	50	150	0%	
Triallate	A	ug/L	86.72883	86.72883		75	0	0	1.51	10	150	116%	50	150	0%	
1,4-Dichlorobenzene-d4	I	ug/L	40	40		0	0	0	0	10	150	0%	50	150	0%	
Acenaphthene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	50	150	0%	
Chrysene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	50	150	0%	
Naphthalene-d8	I	ug/L	40	40		0	0	0	0	10	150	0%	50	150	0%	
Perylene-d12	I	ug/L	40	40		0	0	0	0	10	150	0%	50	150	0%	
Phenanthrene-d10	I	ug/L	40	40		0	0	0	0	10	150	0%	50	150	0%	
2,4,6-Tribromophenol	S	ug/L	79.52077	79.52077		75	0	0	2.88	10	0	106%	50	150	0%	
2-Fluorobiphenyl	S	ug/L	72.85663	72.85663		75	0	0	0.724	10	0	97%	50	150	0%	
2-Fluorophenol	S	ug/L	78.94578	78.94578		75	0	0	3.52	10	0	105%	50	150	0%	
Nitrobenzene-d5	S	ug/L	78.93065	78.93065		75	0	0	2.34	10	0	105%	50	150	0%	
Phenol-d5	S	ug/L	80.83558	80.83558		75	0	0	2.06	10	0	108%	50	150	0%	
Terphenyl-d14	S	ug/L	76.9385	76.9385		75	0	0	1.17	10	0	103%	50	150	0%	
4-Chloroaniline	X	ug/L	83.35267	83.35267		75	0	0	1.61	10	150	111%	50	150	0%	

Tune Evaluation Report

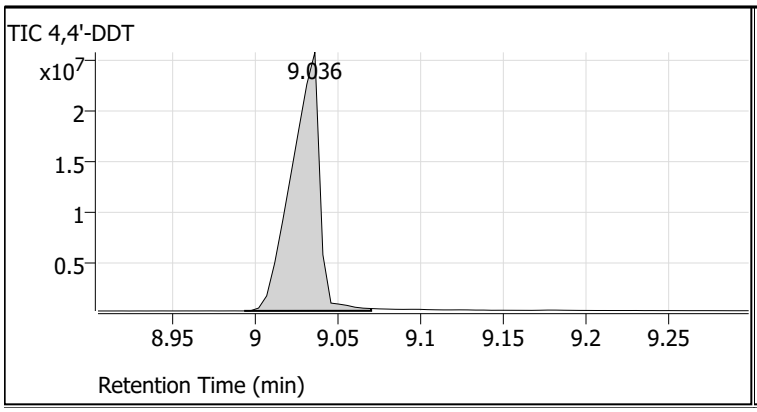
Data Path:	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1826.D
Acq on:	2/19/2022 9:29:13 PM
Operator:	LIMS import
Sample:	18-Feb-22_TUNE_26
Inst Name:	Instrument #1
ALS Vial:	26
Method:	\\MASSHUNTER\Org\Data\SV5973N.I\DFTPP5973N625.m

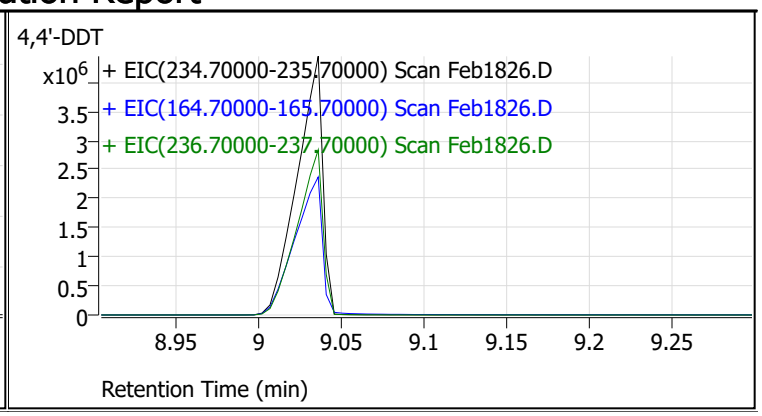


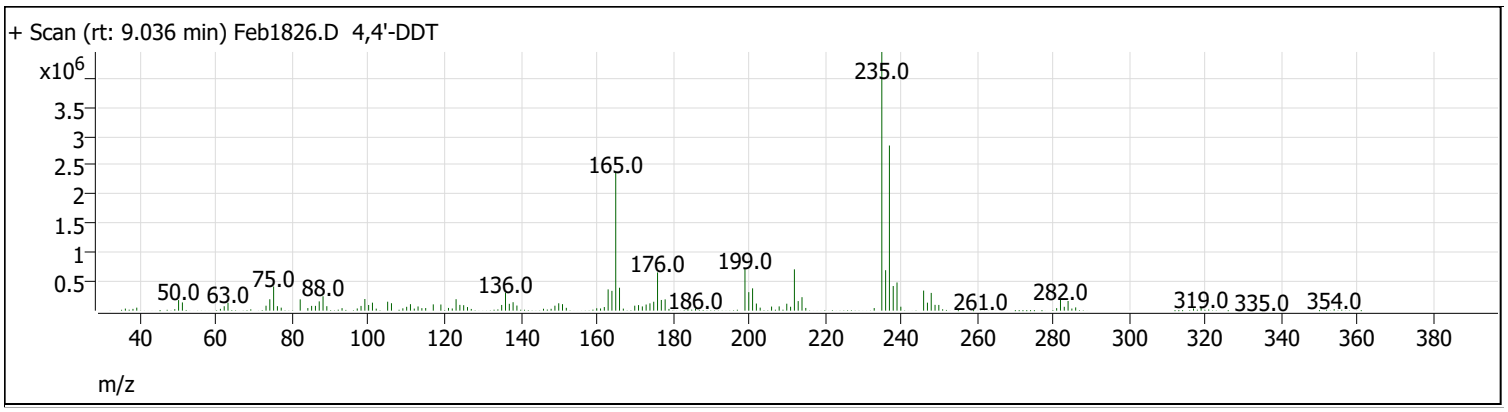


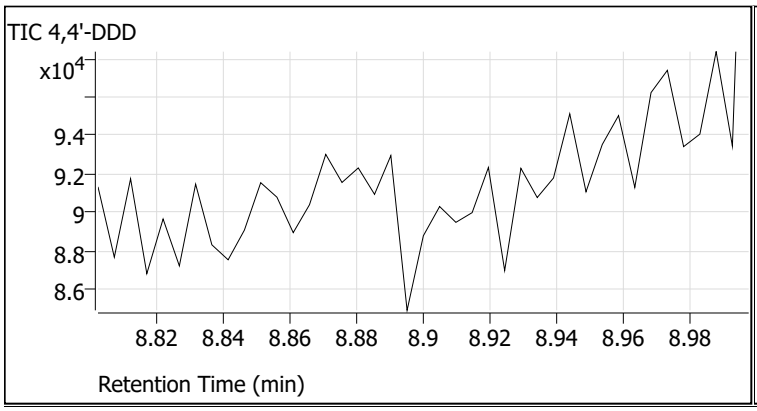
Target Mass	Rel. To Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Pass/Fail
51	198	30	60	37.6	206504	Pass
68	69	0	2	0.5	915	Pass
70	69	0	2	0.7	1288	Pass
127	198	40	60	51.3	281305	Pass
197	198	0	1	0.0	185	Pass
198	198	100	100	100.0	548667	Pass
199	198	5	9	6.9	37751	Pass
275	198	10	30	28.7	157203	Pass
365	198	1	100	3.7	20230	Pass
441	443	1E-10	150	78.2	59048	Pass
442	198	40	100	71.8	394084	Pass
443	442	17	23	19.2	75518	Pass
69	69	100	100	100.0	187434	Pass

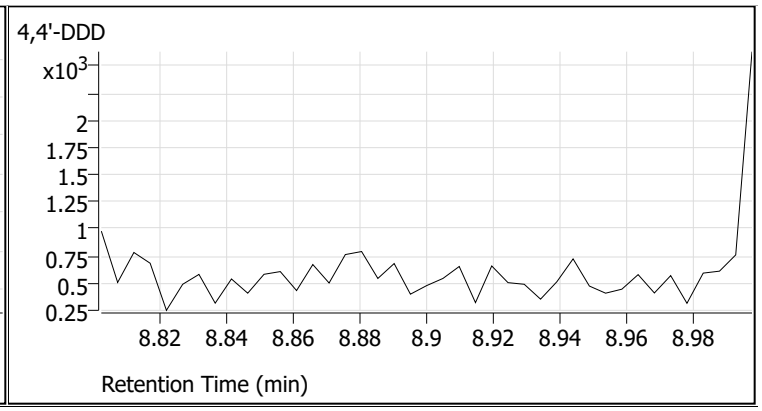
Tune Evaluation Report

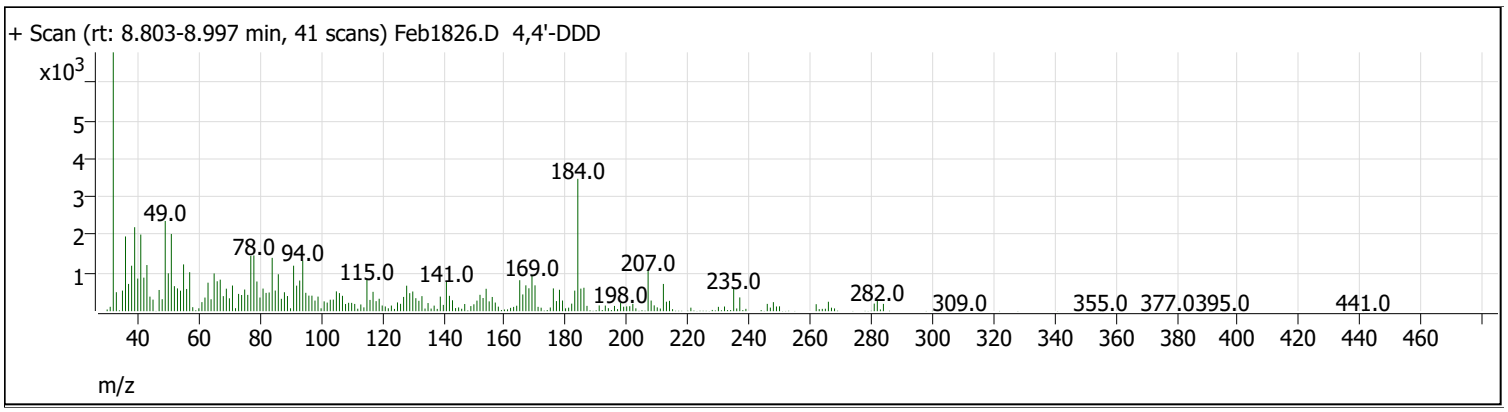


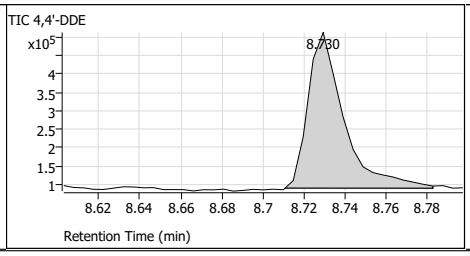


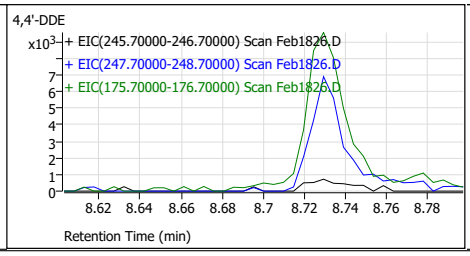




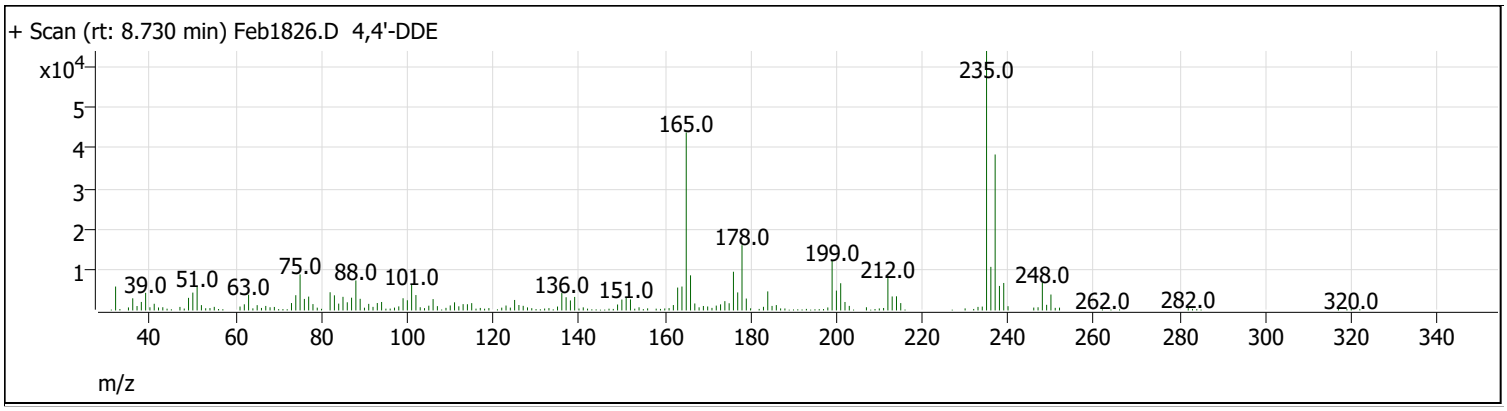






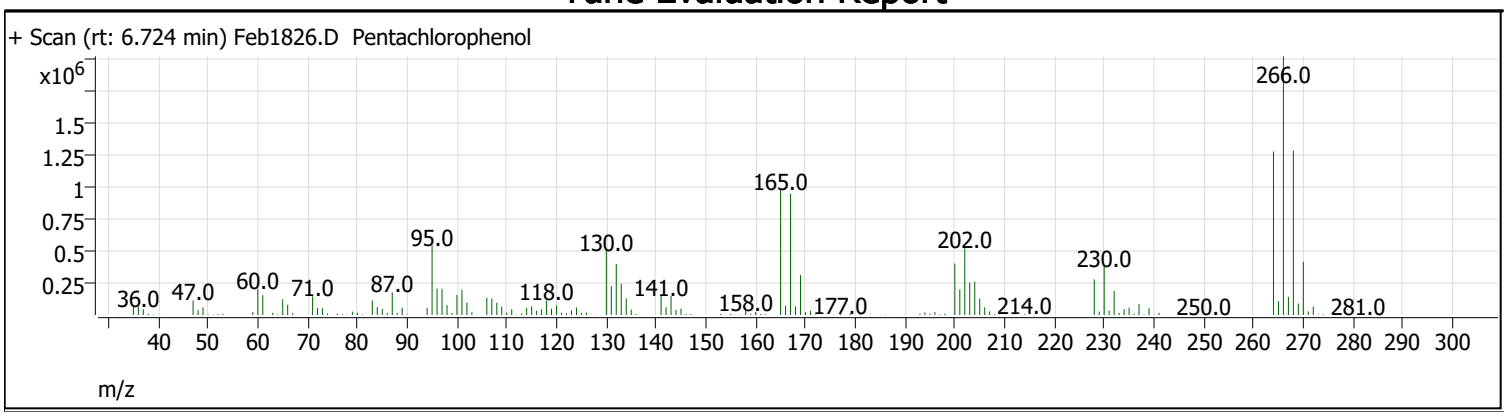


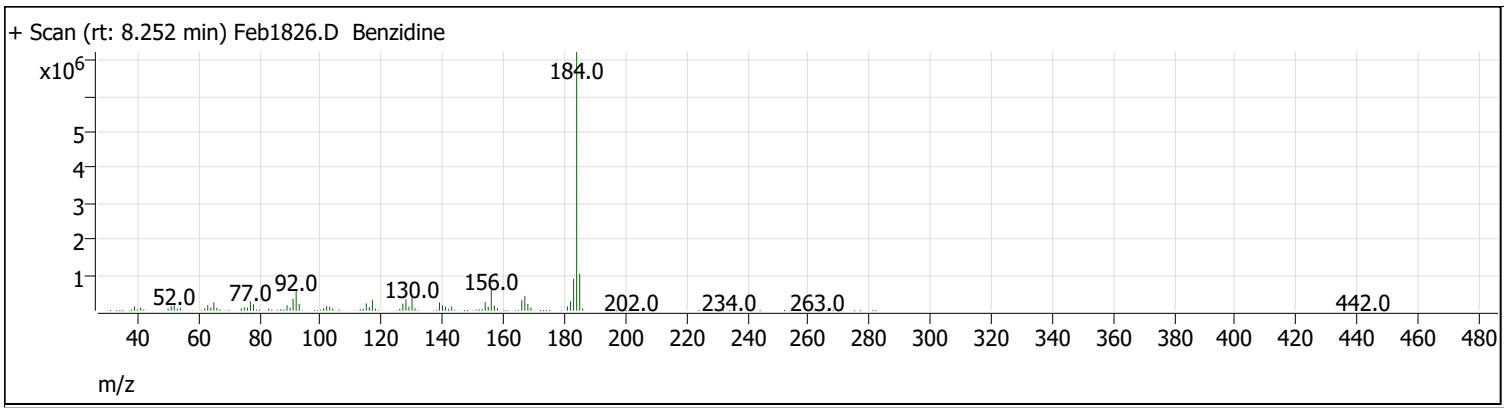
Tune Evaluation Report



Compound Name	Expected RT	Observed RT	TIC Area	Breakdown %	Pass/Fail
4,4'-DDT	9.100	9.036	30342830	1.7	Pass
4,4'-DDD	8.900	0.000	0		
4,4'-DDE	8.700	8.730	511760		

Tune Evaluation Report

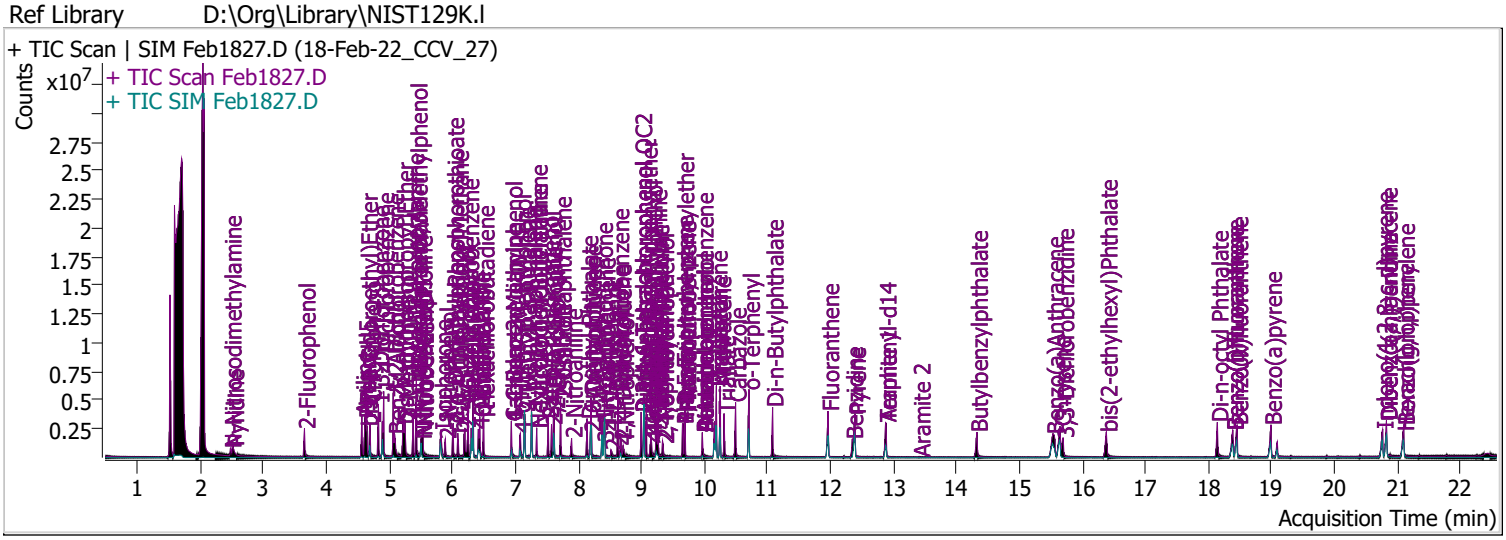




Compound Name	Expected RT	Observed RT	Tailing Factor	PGF	Pass/Fail
Pentachlorophenol	6.900	6.724	0.4	5.9	Pass
Benzidine	8.500	8.252	0.2	3.3	Pass

Quantitation Results Report (QT Reviewed)

Data File	Feb1827.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 9:50:34 PM
Sample Name	18-Feb-22_CCV_27	Instrument	Instrument #1
Vial	27	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



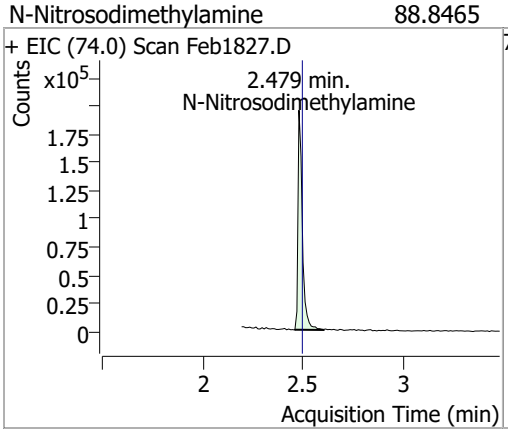
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	831443	79.1110	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 39.56%			
S Phenol-d5	4.613	99.0	1045932	77.4884	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 38.74%			
S Nitrobenzene-d5	5.502	82.0	598195	79.3919	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 79.39%			
S 2-Fluorobiphenyl	7.615	172.0	1665616	79.6326	µg/L		0.010
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 79.63%			
S 2,4,6-Tribromophenol	9.346	329.8	146809	83.8570	µg/L		0.010
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 41.93%			
S Terphenyl-d14	12.875	244.3	1709544	78.4681	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 78.47%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.479	74.0	289672	88.8465	µg/L		83
T Pyridine	2.520	79.0	644154	79.9377	µg/L		99
T Aniline	4.562	93.0	1458272	75.8974	µg/L		98
T Phenol	4.623	94.0	1162281	77.2920	µg/L		95
T bis(-2-Chloroethyl)Ether	4.644	63.0	813402	80.1246	µg/L		97
T 2-Chlorophenol	4.695	128.0	934508	77.9367	µg/L		100
T 1,3-Dichlorobenzene	4.828	146.0	1217643	79.5962	µg/L		99
T 1,4-Dichlorobenzene	4.909	146.0	1195408	77.5929	µg/L	m	100
T 1,2-Dichlorobenzene	5.063	146.0	1143538	76.4651	µg/L	m	99
T Benzyl Alcohol	5.083	108.0	469126	77.5038	µg/L		97
T bis(2-chloroisopropyl)Ether	5.216	121.0	312349	77.3769	µg/L		98
T 2-Methylphenol	5.246	107.0	799681	76.5882	µg/L		100
T N-nitroso-Di-n-propylamine	5.379	70.0	635768	87.5677	µg/L		98
T 4Methylphenol/3Methylphenol	5.430	107.0	1159762	81.7540	µg/L		99
T Hexachloroethane	5.430	117.0	355674	77.3638	µg/L		99

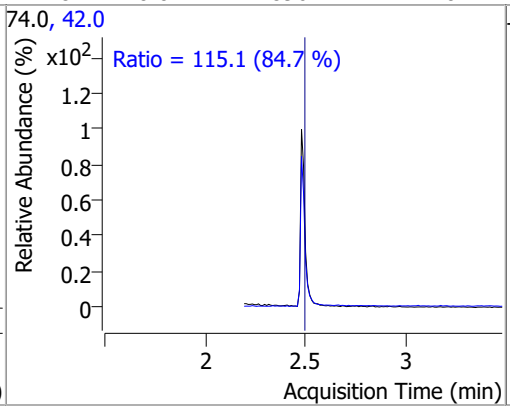
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.532	123.1	321399	84.9842	µg/L		98
T Isophorone	5.818	82.0	1428658	81.2668	µg/L		99
T 2-Nitrophenol	5.890	139.0	331699	83.4376	µg/L		96
T 2,4-Dimethylphenol	6.013	122.0	609575	74.3431	µg/L		96
T bis(-2-Chloroethoxy)Methane	6.085	93.0	766165	74.9764	µg/L		96
T 2,4-Dichlorophenol	6.198	162.0	617607	78.9584	µg/L		97
T Benzoic Acid	6.249	105.0	390169	89.4153	µg/L		93
T 1,2,4-Trichlorobenzene	6.249	180.0	747558	80.0010	µg/L		99
T Naphthalene	6.331	128.0	2289617	82.5581	µg/L		99
T 4-Chlorophenol	6.413	130.0	236697	80.6900	µg/L		91
T p-Chloroaniline	6.434	127.0	879163	80.9176	µg/L		98
T Hexachlorobutadiene	6.496	224.9	404786	83.0933	µg/L		96
T 4-Chloro-2-Methylphenol	6.937	107.0	582064	80.3667	µg/L		96
T 4-Chloro-3-Methylphenol	7.081	107.0	606893	80.2104	µg/L		99
T 2-Methylnaphthalene	7.143	141.0	1235222	78.2108	µg/L		99
T 1-Methylnaphthalene	7.256	141.0	1190045	77.2806	µg/L	m	98
T Hexachlorocyclopentadiene	7.338	236.9	248114	83.7102	µg/L		98
T 2,4,6-Trichlorophenol	7.523	196.0	440005	85.0655	µg/L	m	100
T 2,4,5-Trichlorophenol	7.574	196.0	460828	79.8909	µg/L	m	95
T 2-Chloronaphthalene	7.718	162.0	1378676	78.4990	µg/L		98
T 2-Nitroaniline	7.892	65.0	263011	83.7116	µg/L		97
T Dimethyl Phthalate	8.139	163.0	1464934	82.7194	µg/L		99
T 2,6-Dinitrotoluene	8.190	165.0	181070	74.7220	µg/L		94
T Acenaphthylene	8.200	152.1	2131082	75.8698	µg/L		99
T 3-Nitroaniline	8.394	138.0	216366	78.5658	µg/L		97
T Acenaphthene	8.415	154.0	1192024	73.5879	µg/L		99
T 2,4-Dinitrophenol	8.517	184.0	100794	81.7948	µg/L		99
T Dibenzofuran	8.630	168.0	2030874	76.5576	µg/L		96
T 2,4-Dinitrotoluene	8.671	165.0	244125	80.4520	µg/L		98
T 4-Nitrophenol	8.712	109.0	255690	84.9536	µg/L		97
T Diethylphthalate	8.998	149.0	1442024	78.7461	µg/L		100
T Fluorene	9.039	166.0	1558114	73.4285	µg/L		100
T 4-Chlorophenyl-phenylether	9.080	204.0	796540	83.4706	µg/L		99
T 4-Nitroaniline	9.151	138.0	262489	86.0686	µg/L		100
T 4,6-Dinitro-2-methylphenol	9.162	198.0	156419	84.0349	µg/L		97
T N-nitrosodiphenylamine	9.233	169.0	1122431	78.8431	µg/L		100
T Azobenzene	9.264	77.0	1436972	76.5865	µg/L		97
T 4-Bromophenyl-phenylether	9.663	248.0	434109	80.5743	µg/L		99
T Hexachlorobenzene	9.694	283.9	454190	82.8407	µg/L		96
T Pentachlorophenol	9.968	265.9	219036	84.9464	µg/L		96
T Phenanthrene	10.191	178.0	2347310	79.1838	µg/L		100
T Anthracene	10.252	178.0	2334154	83.5271	µg/L	m	100
T Triallate	10.313	86.0	544599	81.5315	µg/L		99
T Carbazole	10.495	167.0	2166168	76.4391	µg/L		99
T o-Terphenyl	10.708	230.0	1280045	81.4661	µg/L		99
T Di-n-Butylphthalate	11.082	149.0	2321143	85.6959	µg/L		99
T Fluoranthene	11.964	202.0	2341183	78.8948	µg/L		99
T Benzidine	12.348	184.0	895648	86.6553	µg/L		100
T Pyrene	12.389	202.0	2505156	77.3479	µg/L		99
T Butylbenzylphthalate	14.326	149.0	785540	82.3461	µg/L		99
T Benzo(a)Anthracene	15.532	228.0	1956214	78.1625	µg/L		99
T Chrysene	15.645	228.0	2097009	74.6698	µg/L		98
T 3,3-Dichlorobenzidine	15.696	252.0	723451	81.2839	µg/L		100
T bis(2-ethylhexyl)Phthalate	16.381	167.0	279434	84.4959	µg/L		99
T Di-n-octyl Phthalate	18.143	149.0	1930041	83.3808	µg/L		99

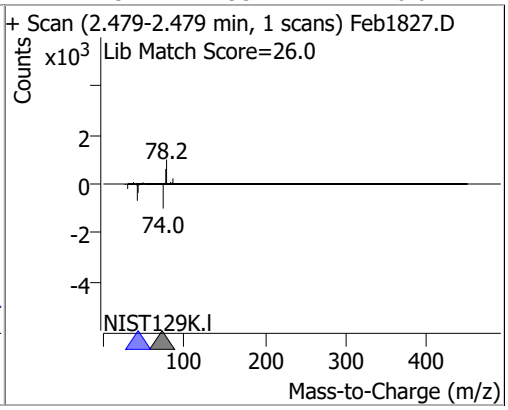
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.386	252.0	1811573	71.5410	µg/L	100
T Benzo(k)fluoranthene	18.457	252.0	2036905	76.7325	µg/L	100
T Benzo(a)pyrene	18.993	252.0	1775708	74.2858	µg/L	97
T Indeno(1,2,3-c,d)pyrene	20.765	276.0	1530850	76.3301	µg/L	97
T Dibenzo(a,h)anthracene	20.826	278.0	1615531	73.9985	µg/L	99
T Benzo(g,h,i)perylene	21.100	276.0	1729644	74.7986	µg/L	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

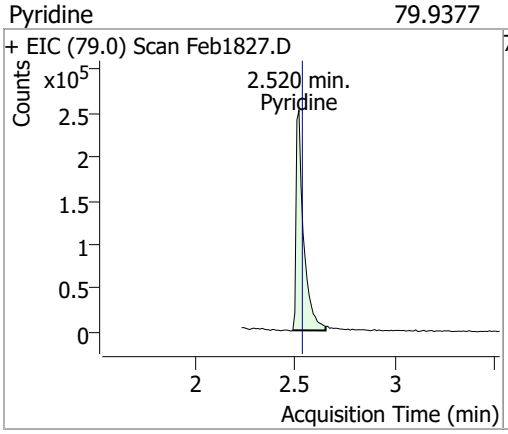
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	88.8465	2.48	-0.01	289672	42.0	115.1	95.1	176.6

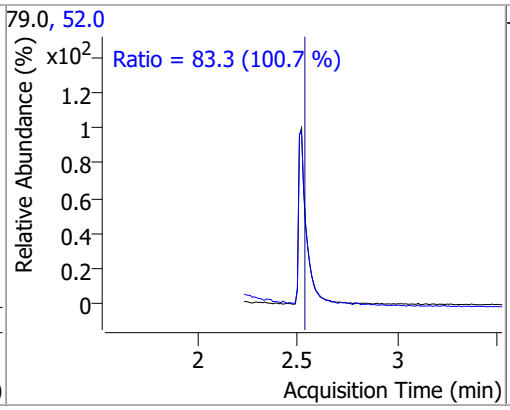


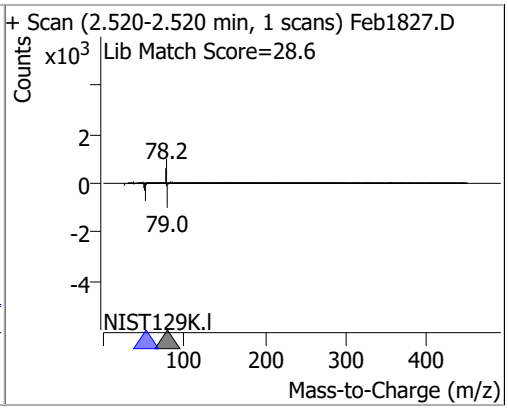




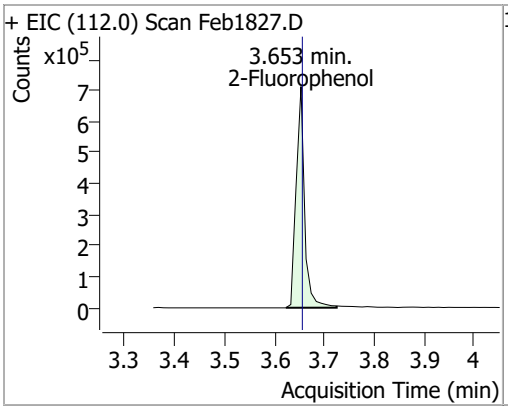
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	79.9377	2.52	-0.01	644154	52.0	83.3	57.9	107.6

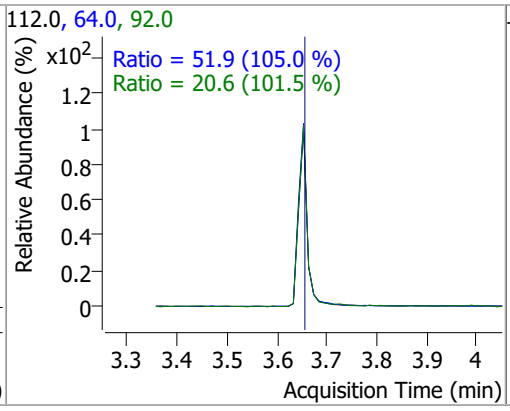


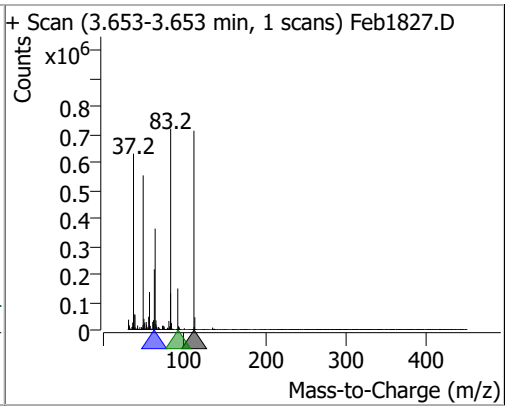




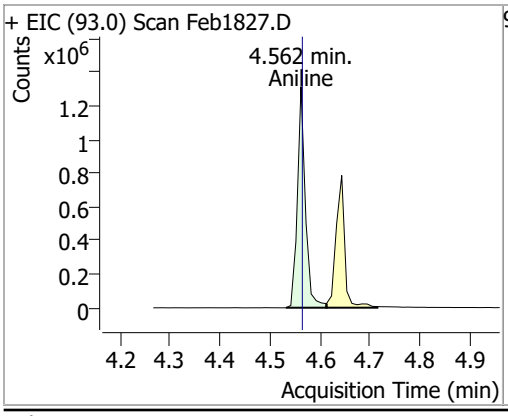
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	79.1110	3.65	0.00	831443	64.0	51.9	34.6	64.3
					92.0	20.6	14.2	26.5

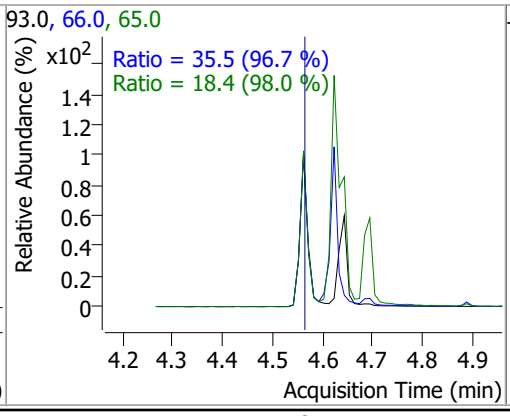


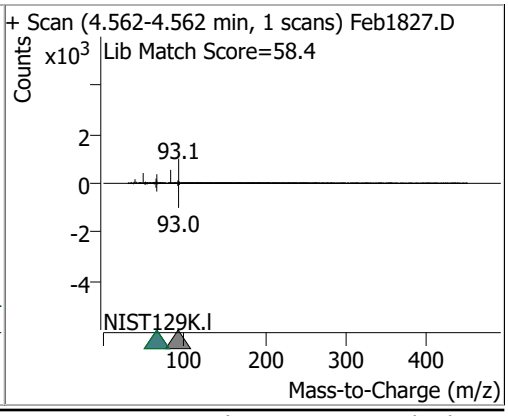




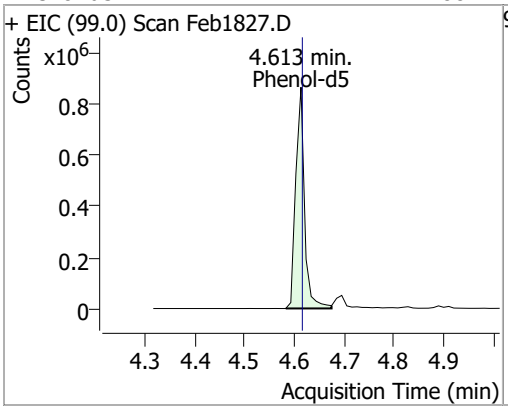
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	75.8974	4.56	0.00	1458272	66.0	35.5	25.7	47.8
					65.0	18.4	13.1	24.4

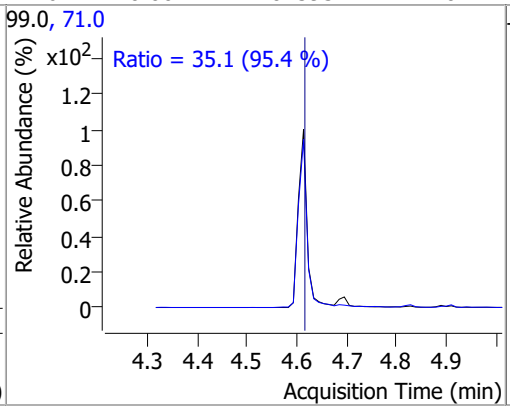


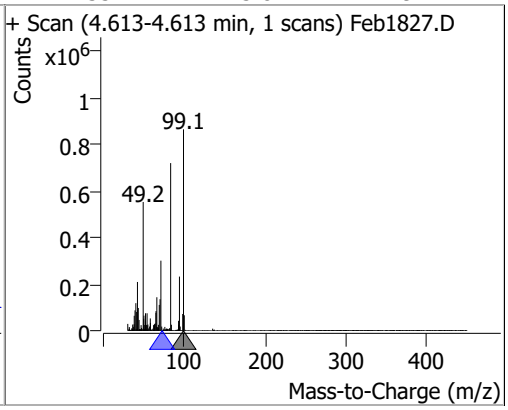




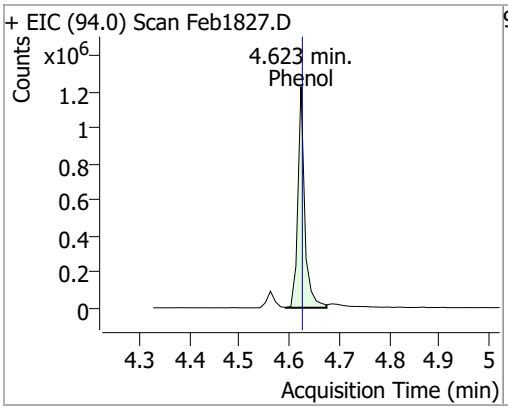
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	77.4884	4.61	0.00	1045932	71.0	35.1	25.8	47.9

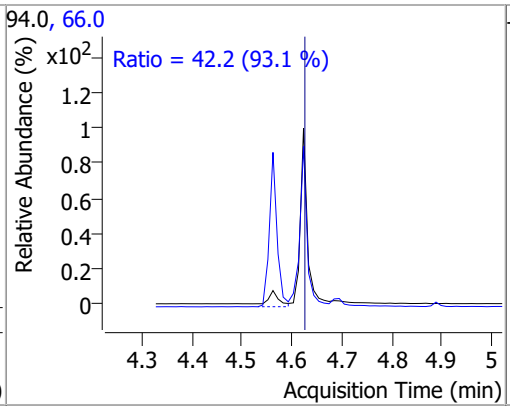


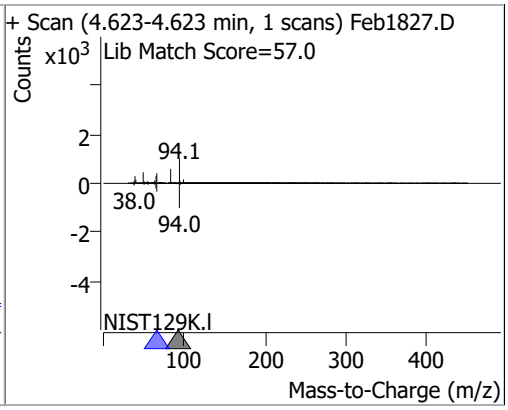




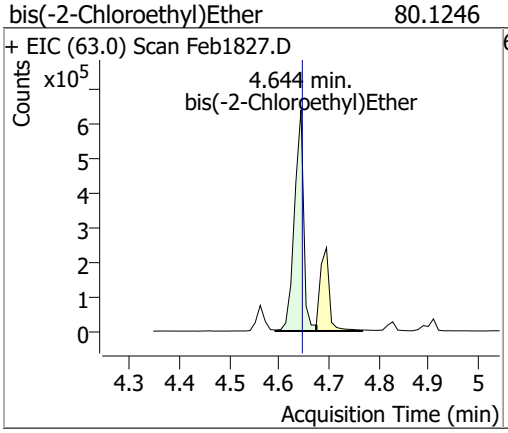
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	77.2920	4.62	0.00	1162281	66.0	42.2	31.7	58.9

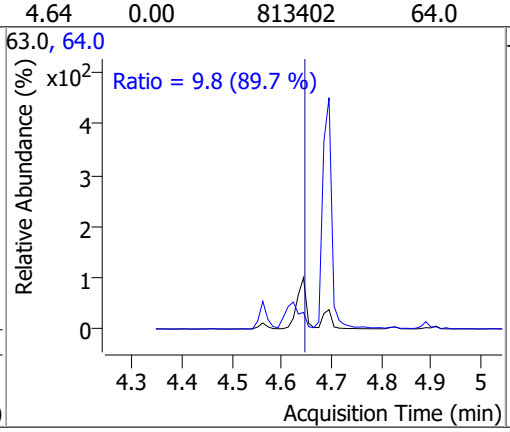


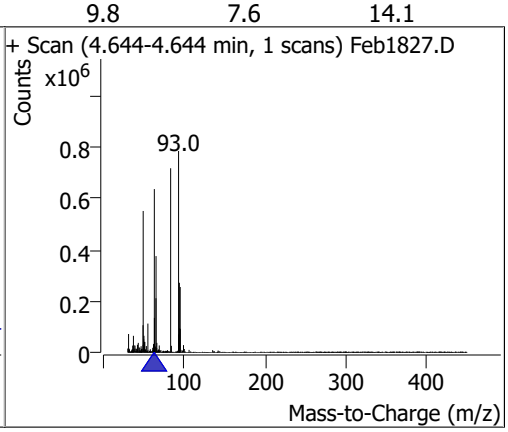




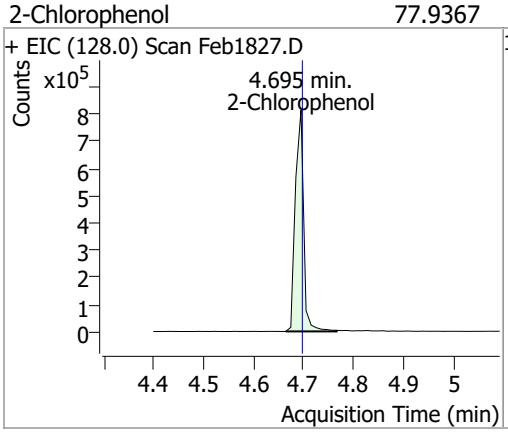
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	80.1246	4.64	0.00	813402	64.0	9.8	7.6	14.1

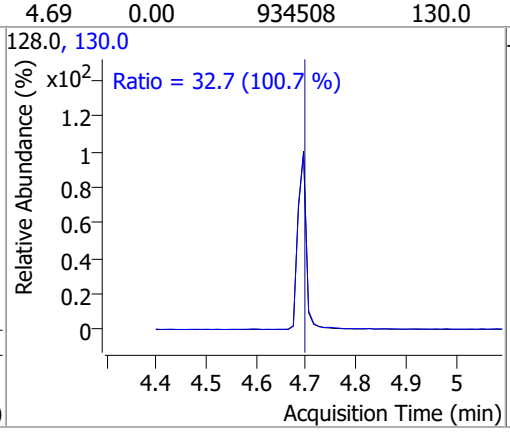


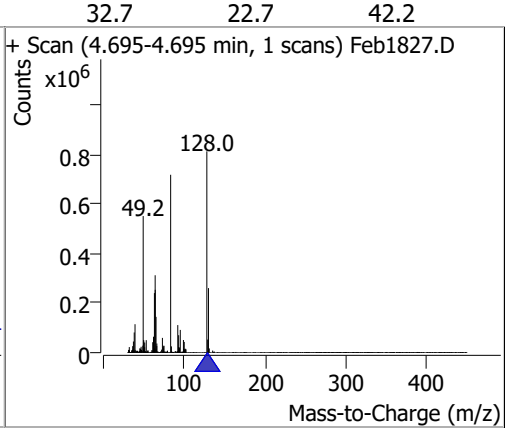




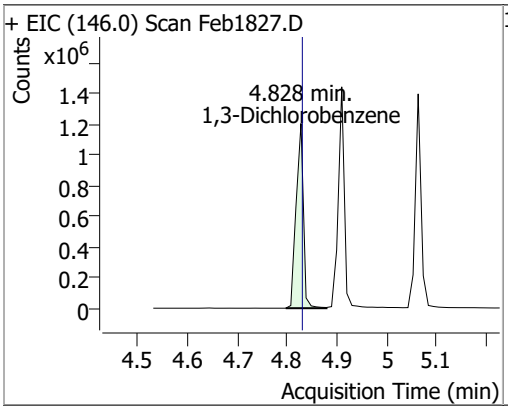
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	77.9367	4.69	0.00	934508	130.0	32.7	22.7	42.2

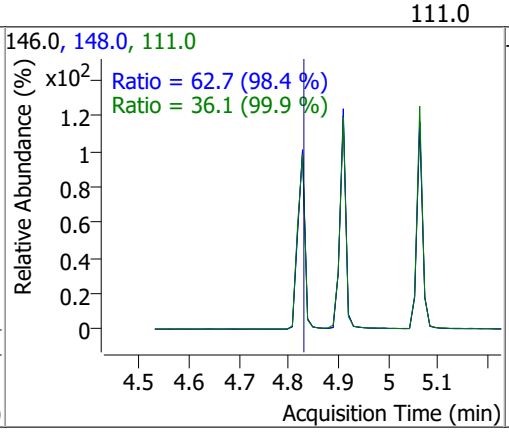


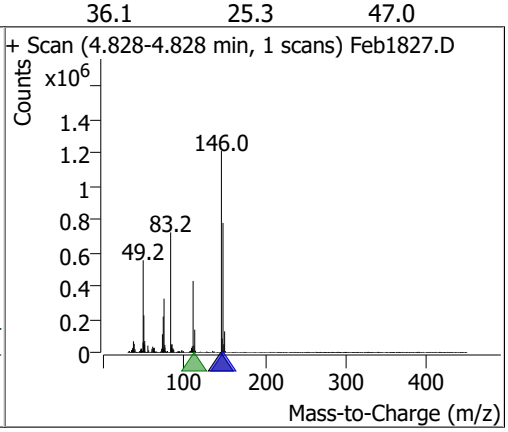




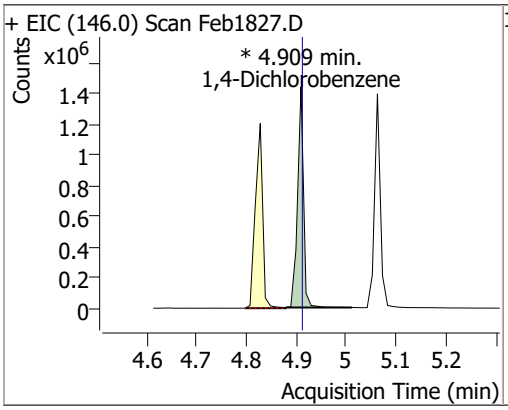
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	79.5962	4.83	0.00	1217643	148.0	62.7	44.6	82.8
					111.0	36.1	25.3	47.0

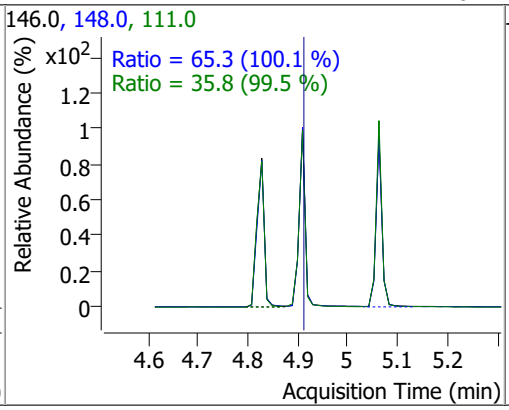


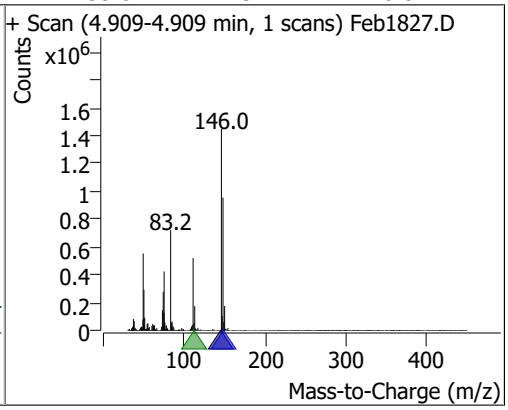




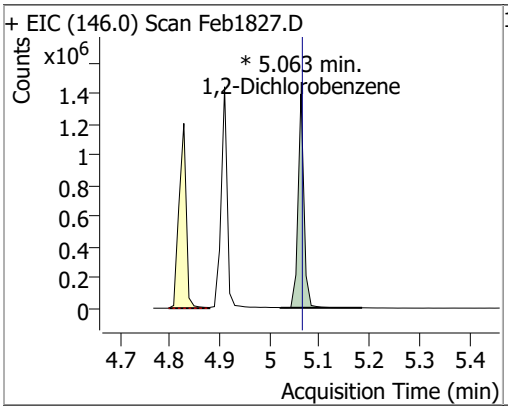
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	77.5929	4.91	0.00	1195408 (m)	148.0	65.3	45.6	84.8
					111.0	35.8	25.2	46.8

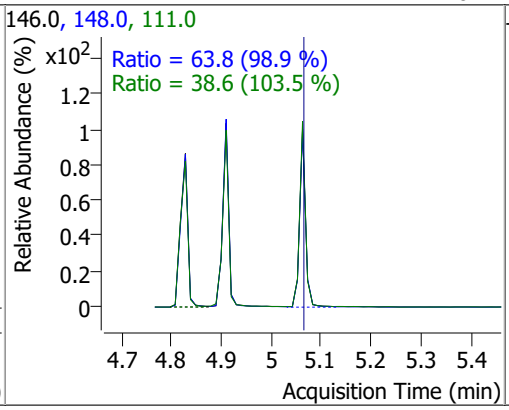


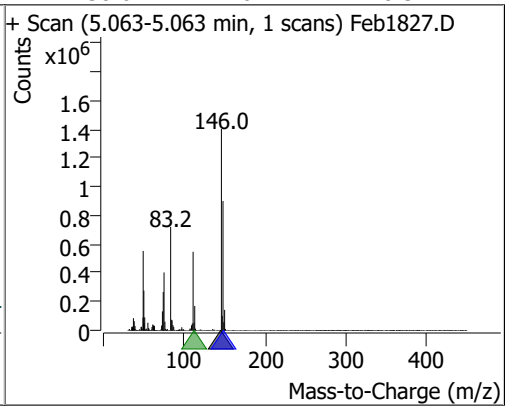




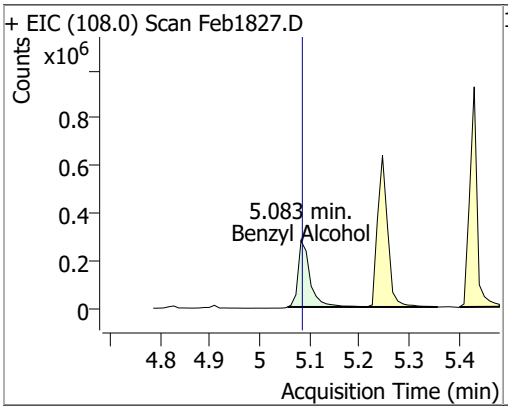
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	76.4651	5.06	0.00	1143538 (m)	148.0	63.8	45.1	83.8
					111.0	38.6	26.1	48.5

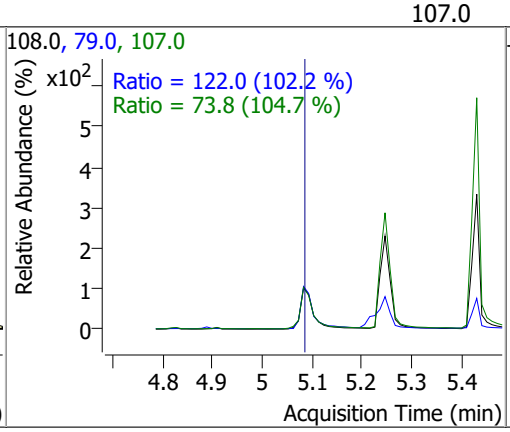


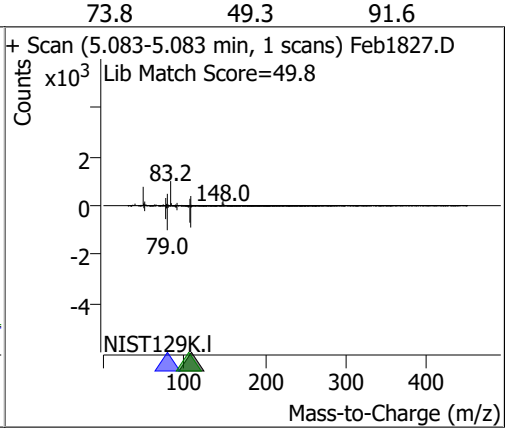




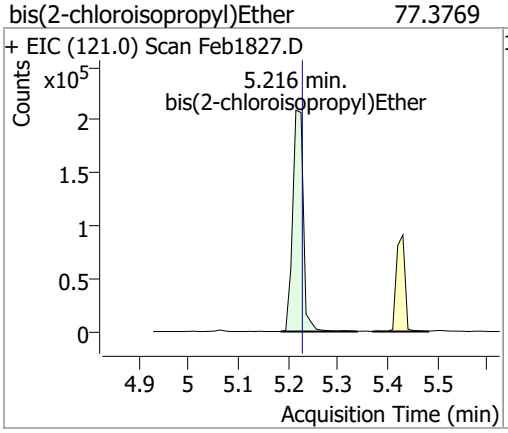
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	77.5038	5.08	0.00	469126	79.0	122.0	83.5	155.1
					107.0	73.8	49.3	91.6

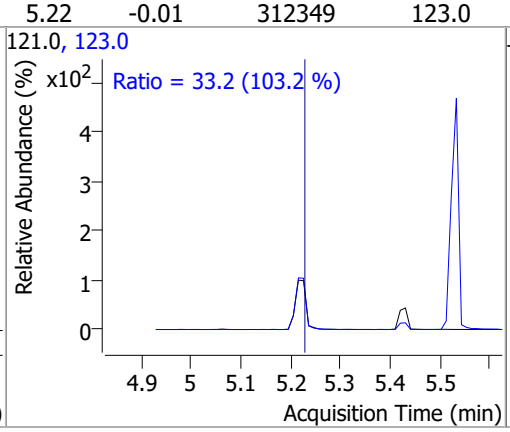


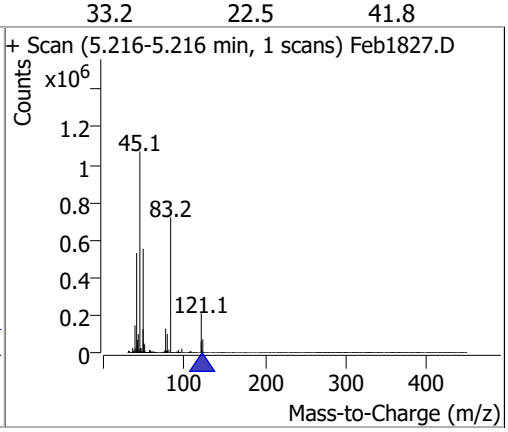




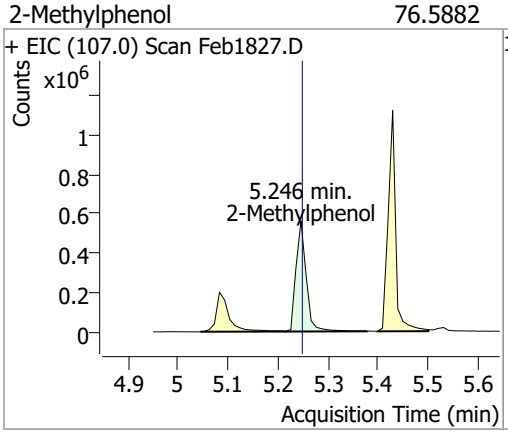
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	77.3769	5.22	-0.01	312349	123.0	33.2	22.5	41.8

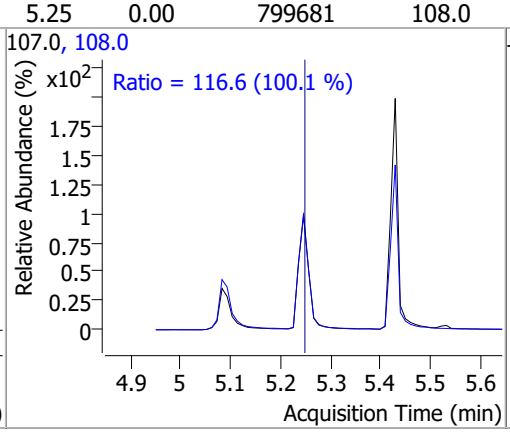


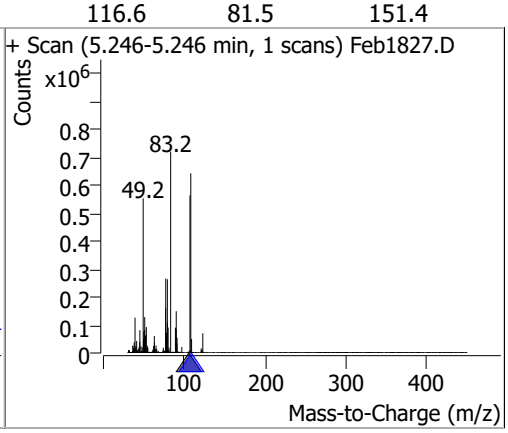




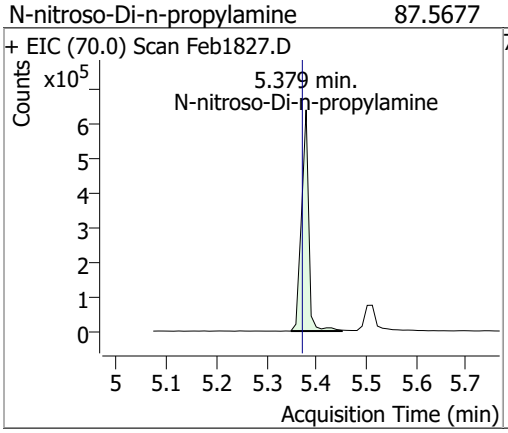
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	76.5882	5.25	0.00	799681	108.0	116.6	81.5	151.4

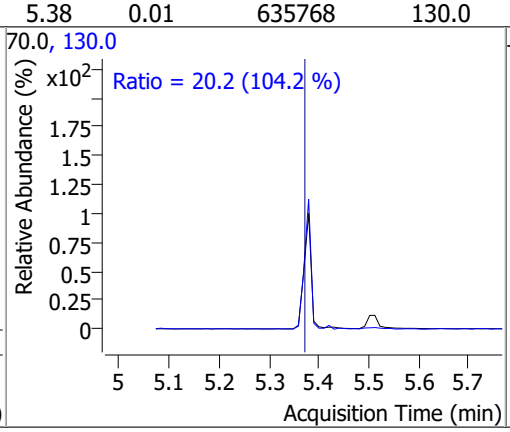


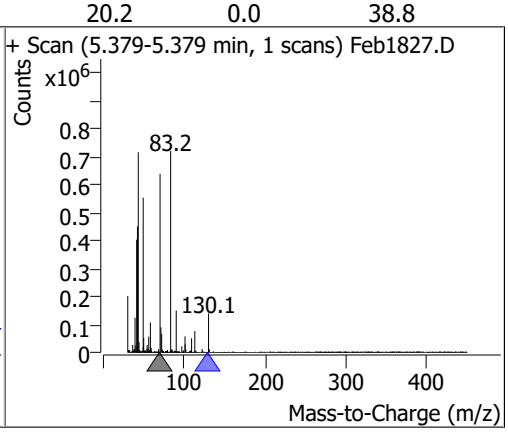




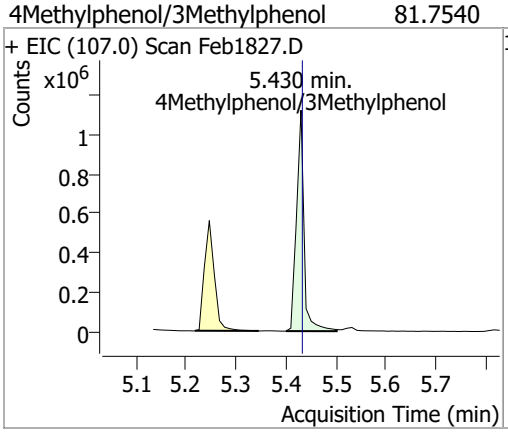
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	87.5677	5.38	0.01	635768	130.0	20.2	0.0	38.8

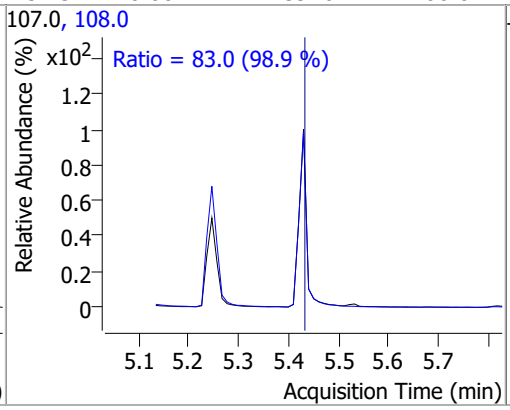


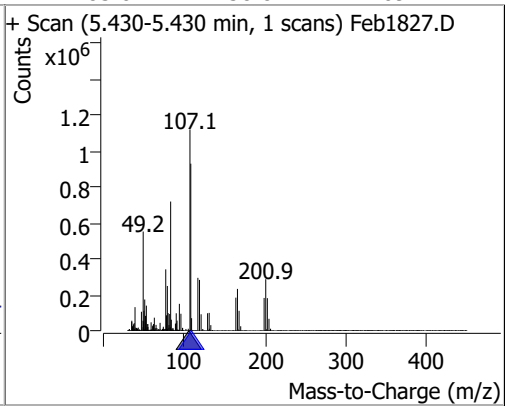




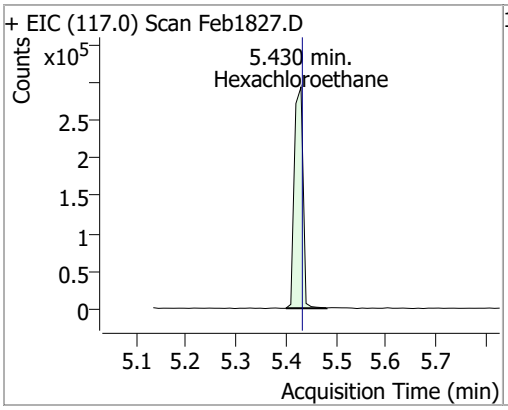
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	81.7540	5.43	0.00	1159762	108.0	83.0	58.8	109.1

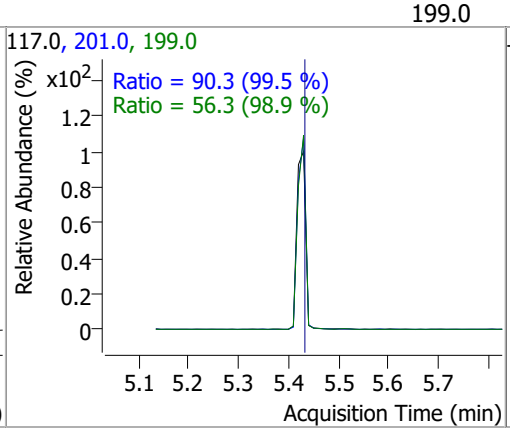


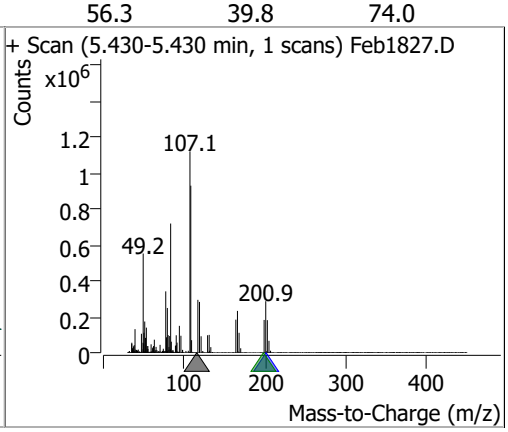




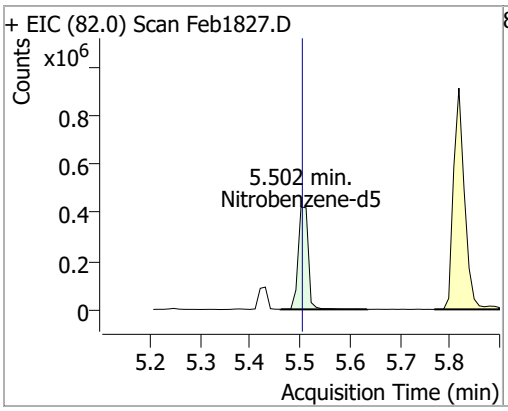
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	77.3638	5.43	0.00	355674	201.0	90.3	63.5	118.0
					199.0	56.3	39.8	74.0

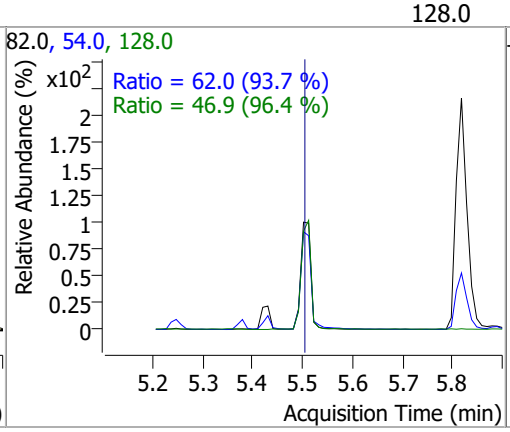


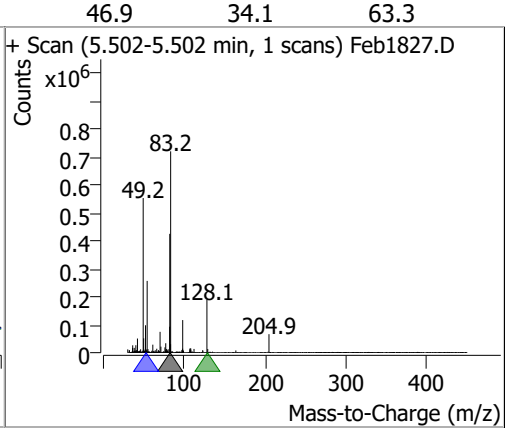




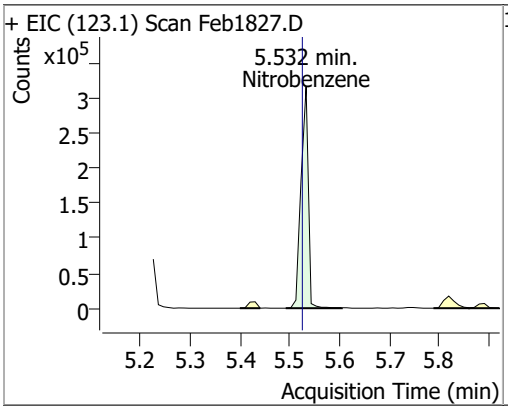
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	79.3919	5.50	0.00	598195	54.0	62.0	46.3	86.0
					128.0	46.9	34.1	63.3

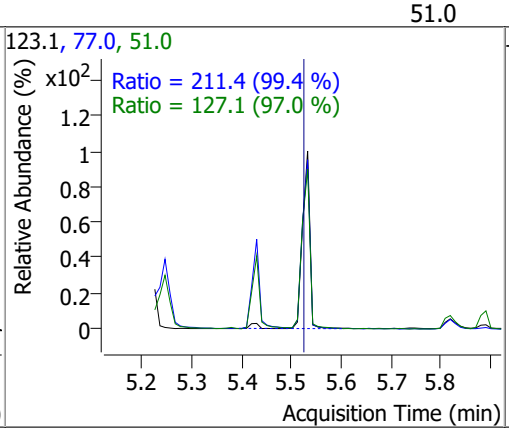


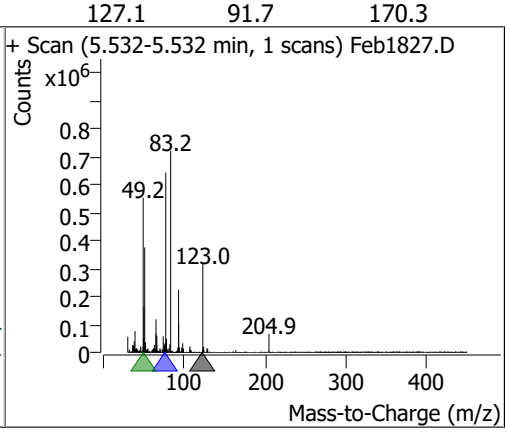




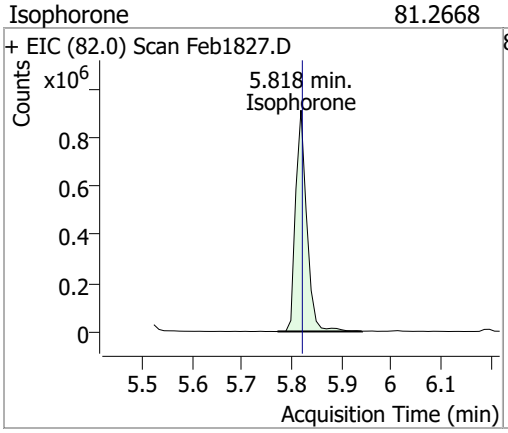
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	84.9842	5.53	0.01	321399	77.0	211.4	148.9	276.5
					51.0	127.1	91.7	170.3

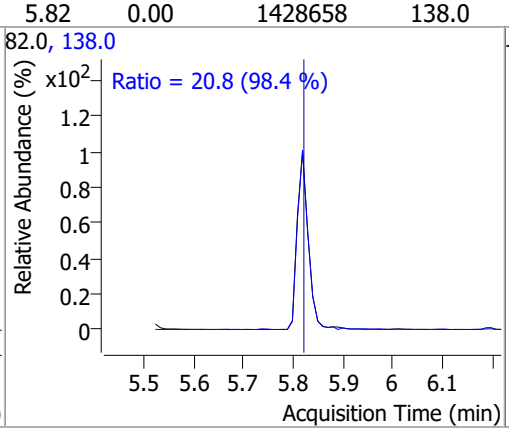


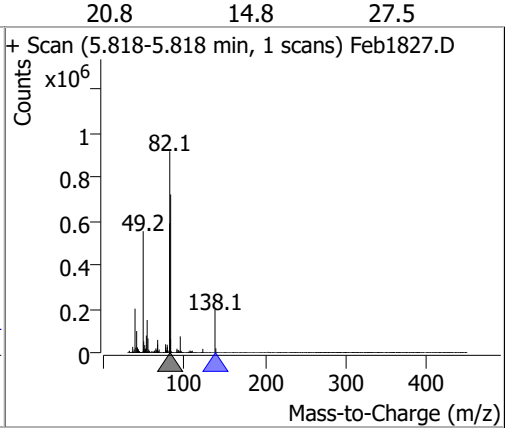




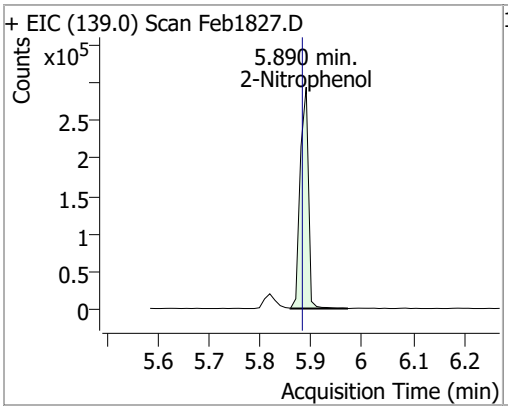
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	81.2668	5.82	0.00	1428658	138.0	20.8	14.8	27.5

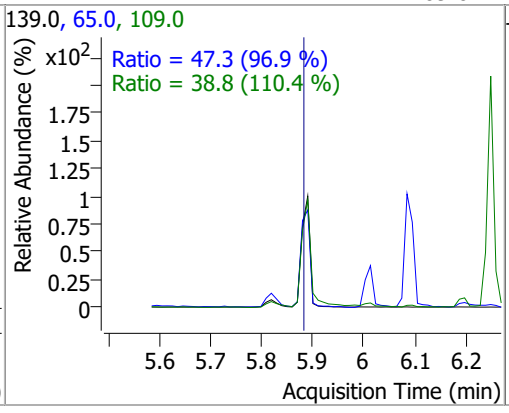


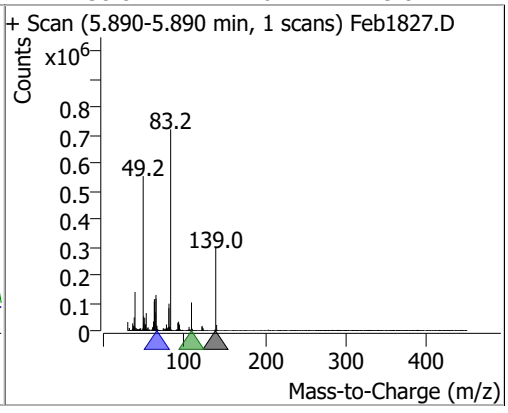




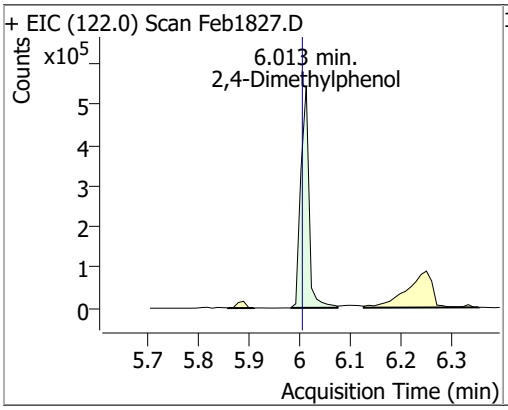
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	83.4376	5.89	0.01	331699	65.0	47.3	34.2	63.4
					109.0	38.8	24.6	45.8

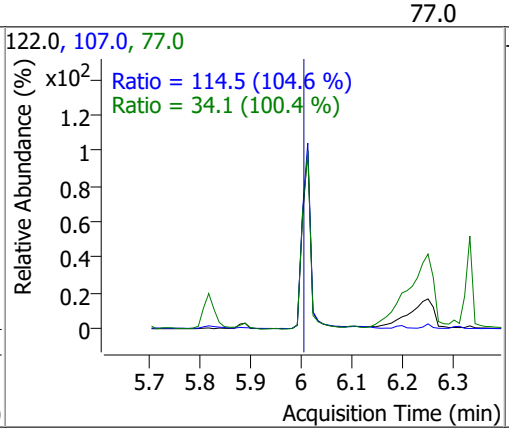


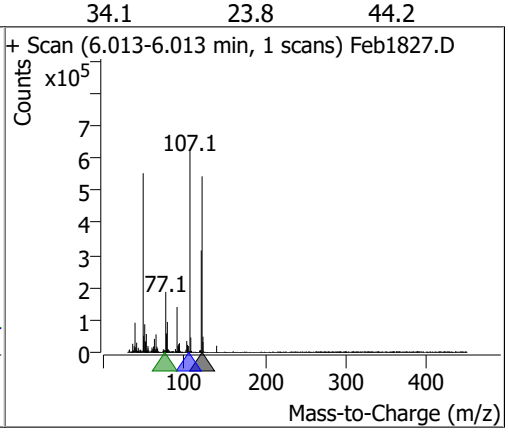




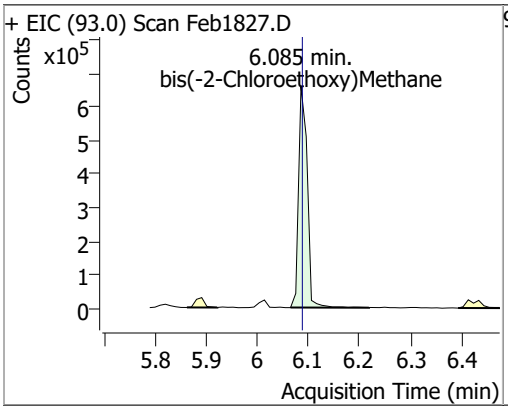
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	74.3431	6.01	0.01	609575	107.0	114.5	76.6	142.3
					77.0	34.1	23.8	44.2

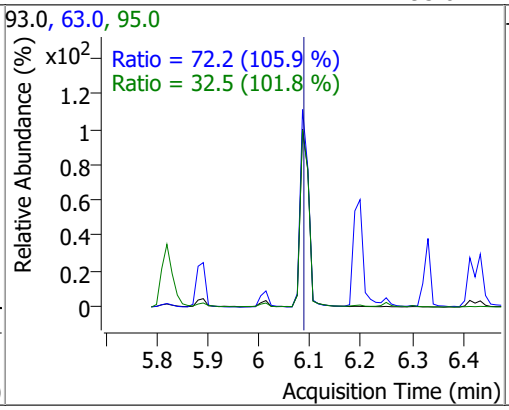


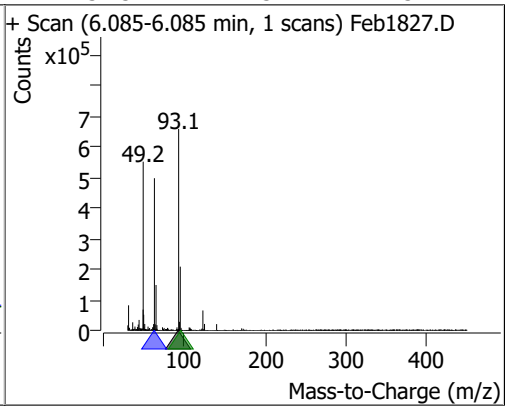




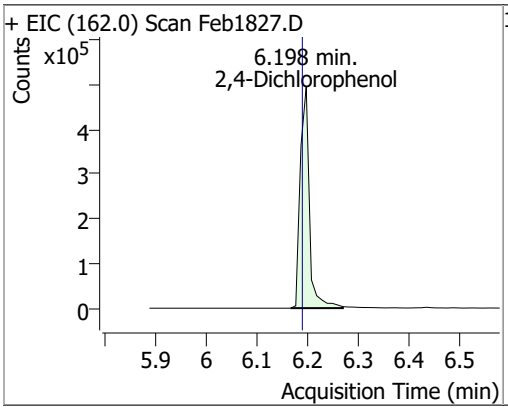
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	74.9764	6.08	0.00	766165	63.0	72.2	47.7	88.6
					95.0	32.5	22.3	41.5

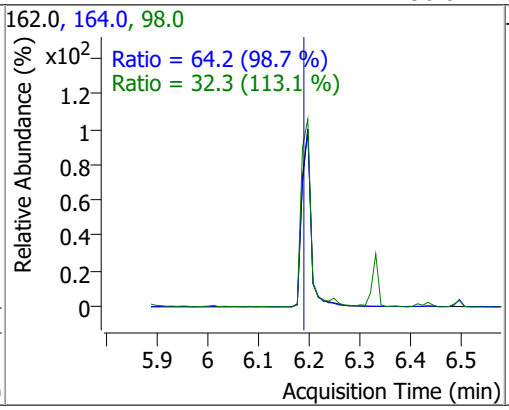


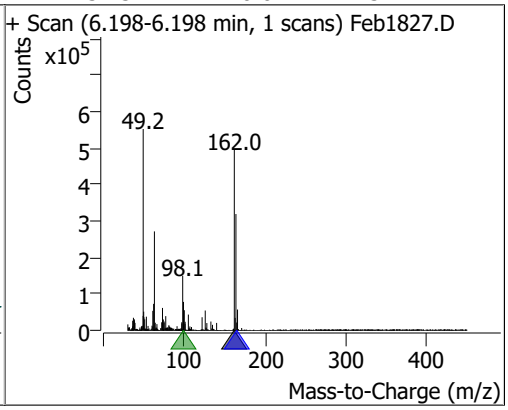




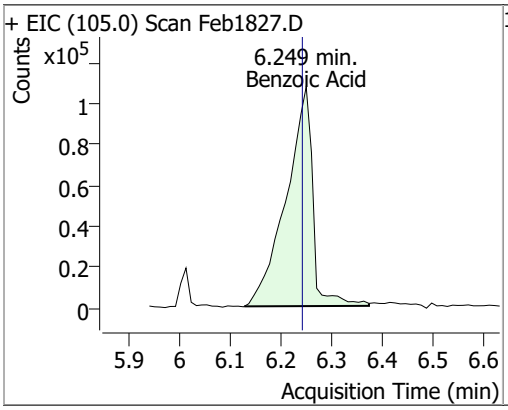
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	78.9584	6.20	0.01	617607	164.0	64.2	45.5	84.5
					98.0	32.3	20.0	37.1

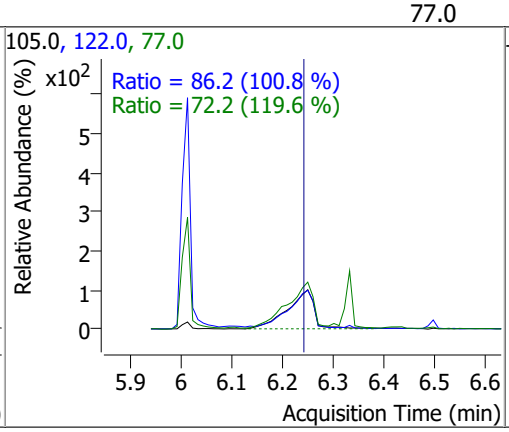


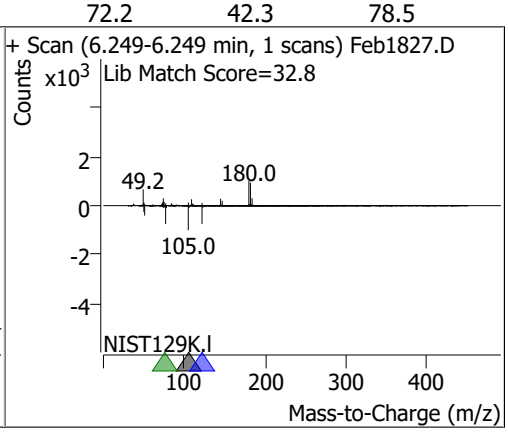




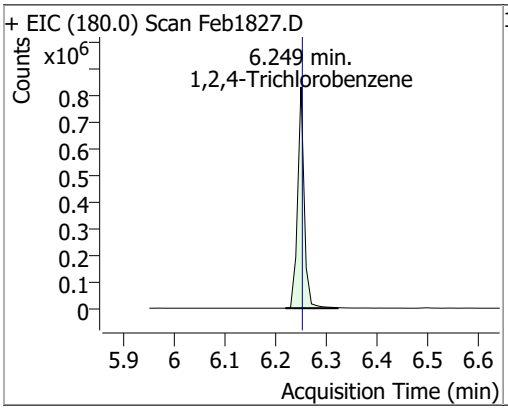
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	89.4153	6.25	0.01	390169	122.0	86.2	59.9	111.2
					77.0	72.2	42.3	78.5

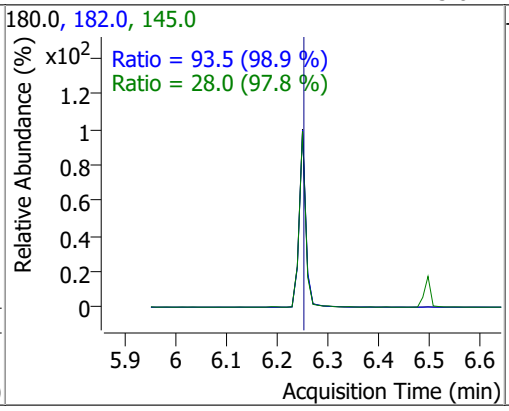


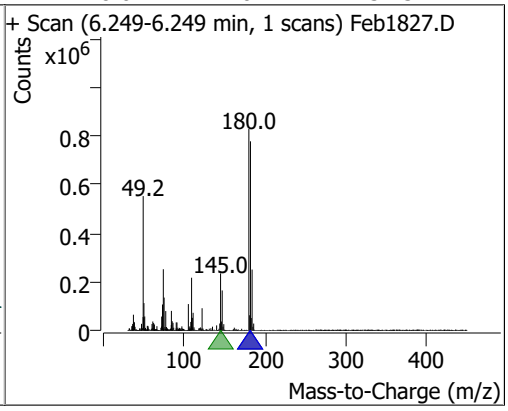




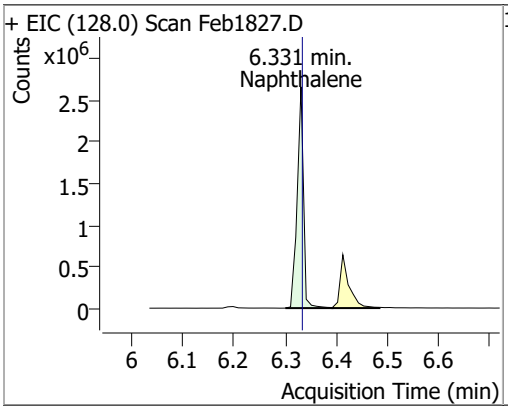
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	80.0010	6.25	0.00	747558	182.0	93.5	66.2	122.9
					145.0	28.0	20.1	37.3

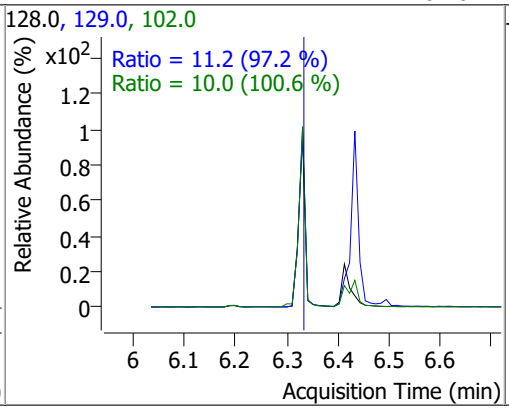


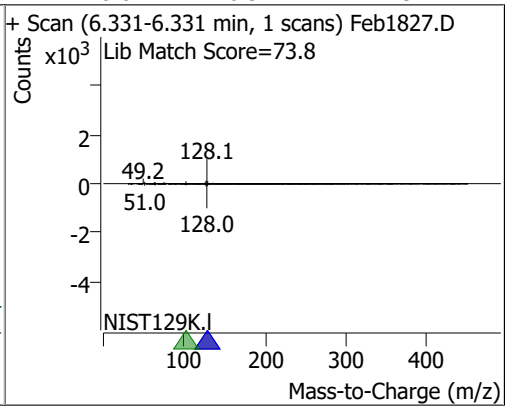




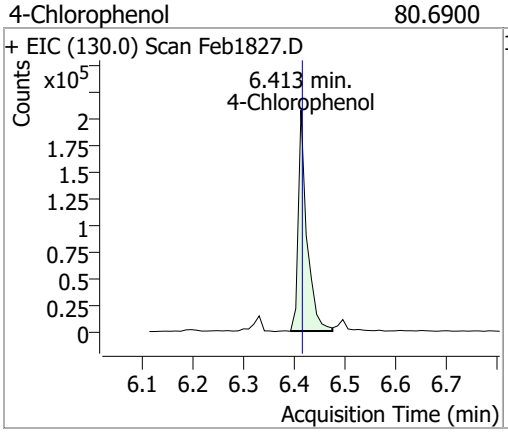
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	82.5581	6.33	0.00	2289617	129.0	11.2	8.0	14.9
					102.0	10.0	6.9	12.9

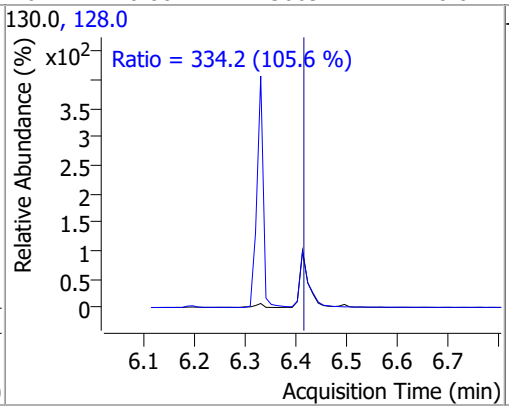


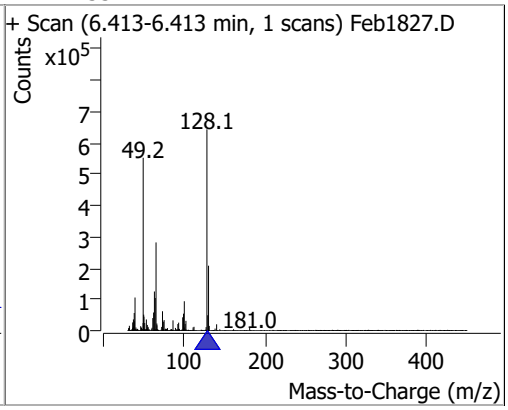




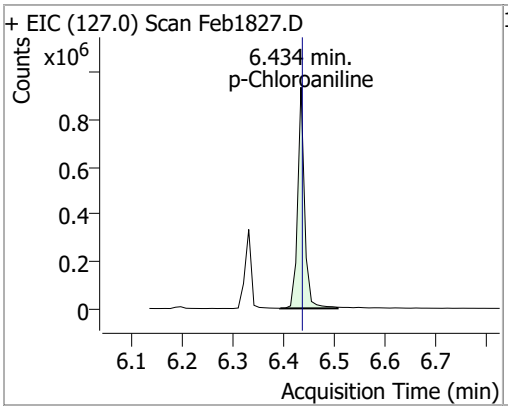
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	80.6900	6.41	0.00	236697	128.0	334.2	221.4	411.2

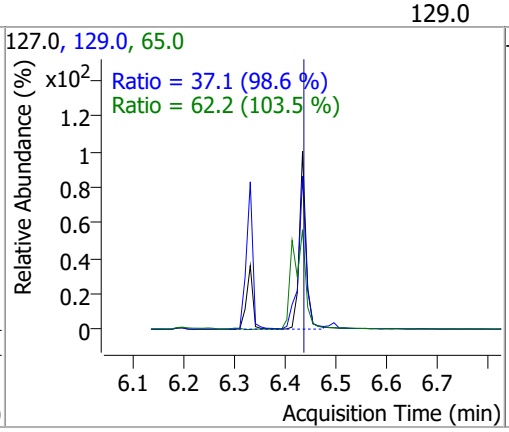


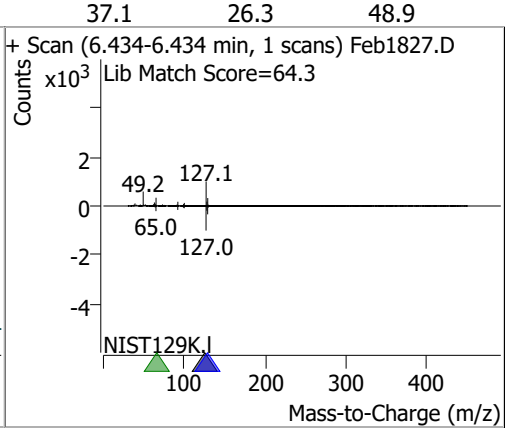




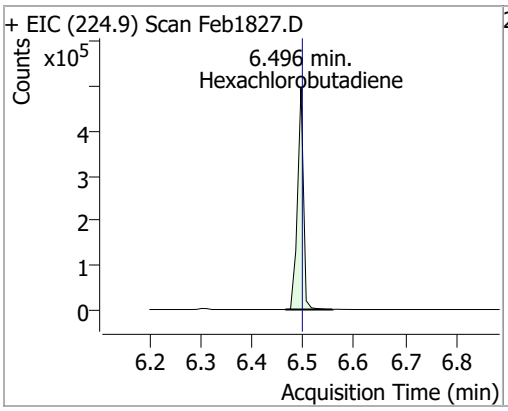
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	80.9176	6.43	0.00	879163	65.0	62.2	42.1	78.2
					129.0	37.1	26.3	48.9

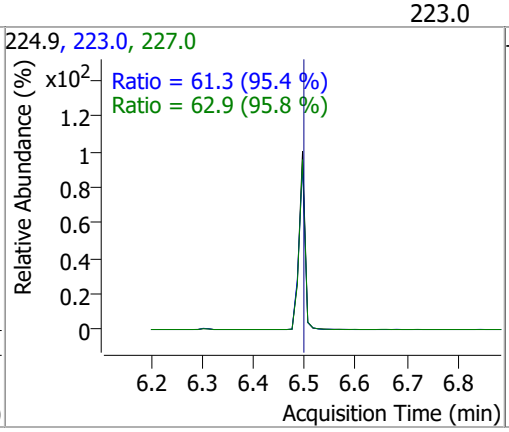


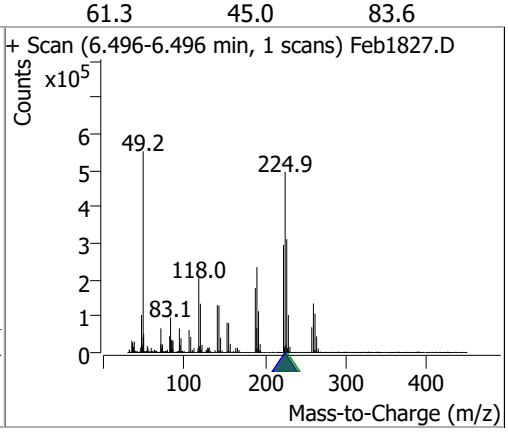




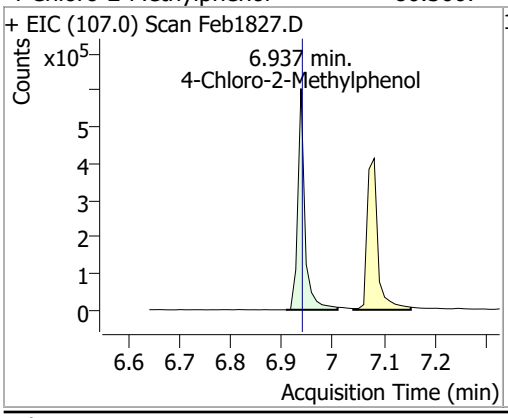
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	83.0933	6.50	0.00	404786	227.0	62.9	46.0	85.4
					223.0	61.3	45.0	83.6

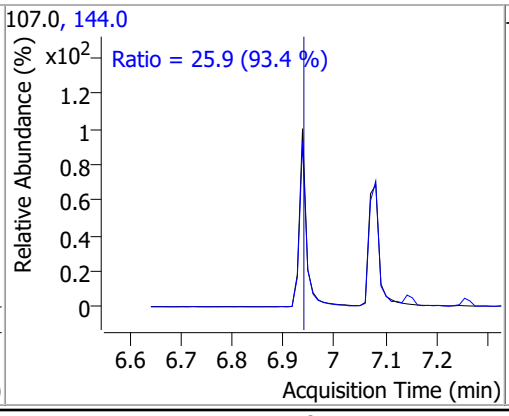


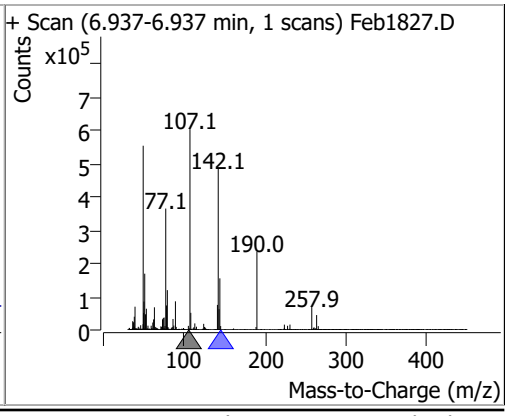




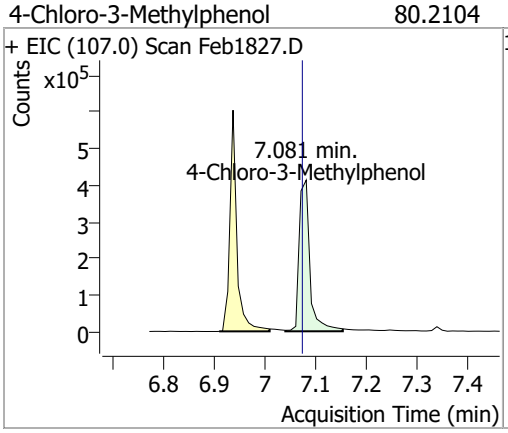
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	80.3667	6.94	0.00	582064	144.0	25.9	19.4	36.1

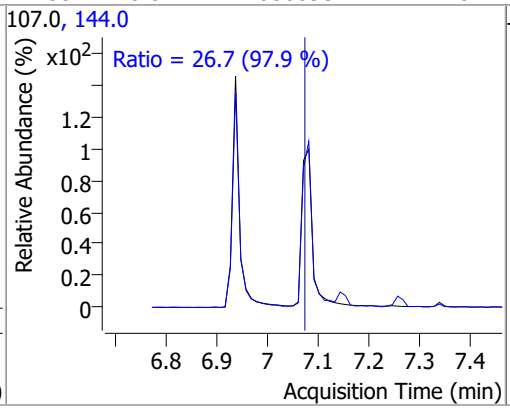


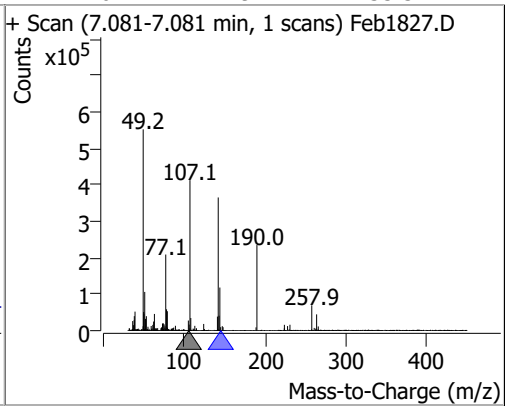




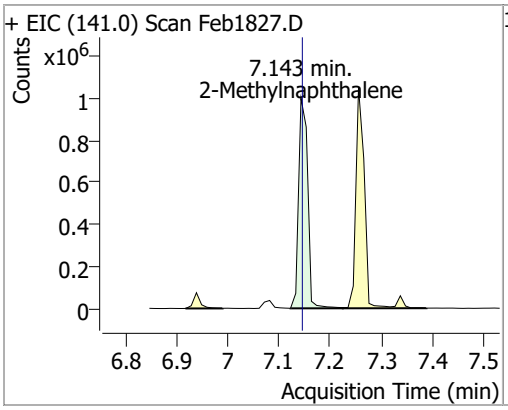
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	80.2104	7.08	0.01	606893	144.0	26.7	19.1	35.5

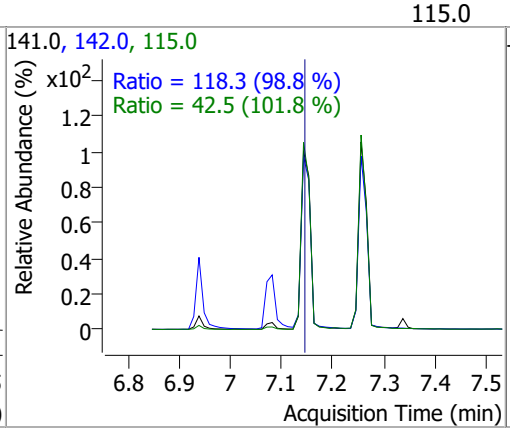


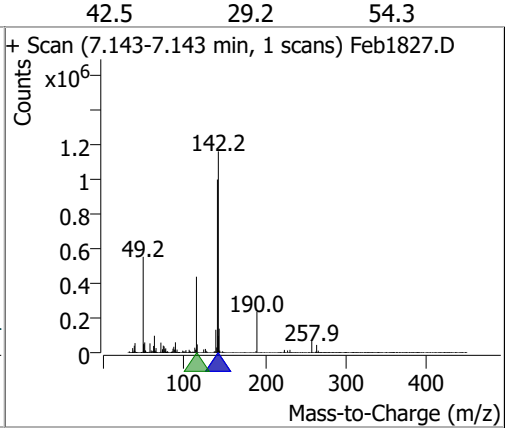




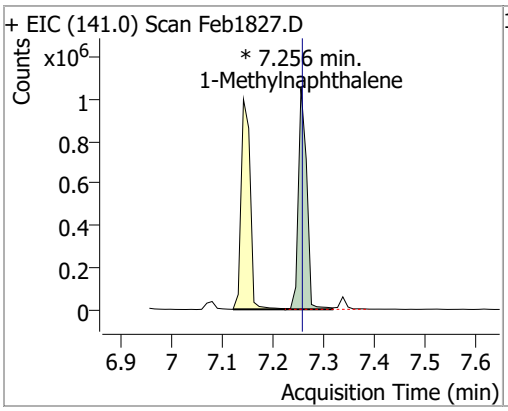
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	78.2108	7.14	0.00	1235222	142.0	118.3	83.8	155.7
					115.0	42.5	29.2	54.3

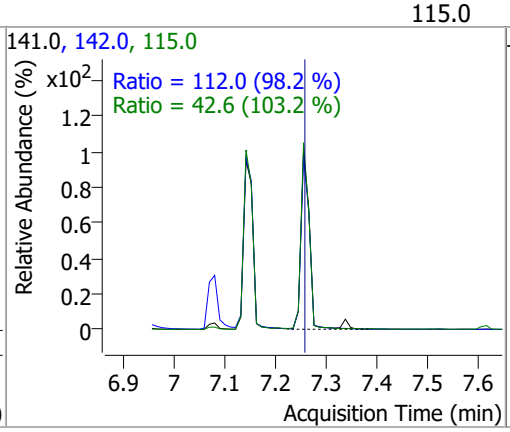


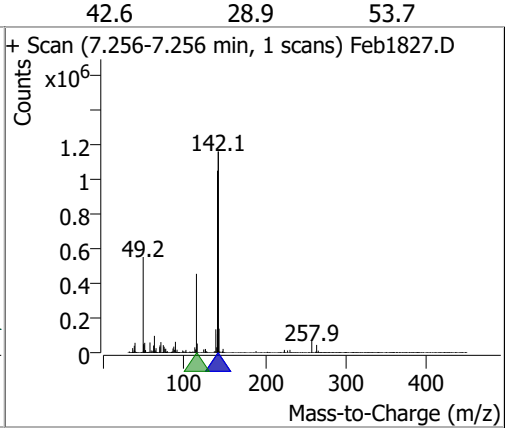




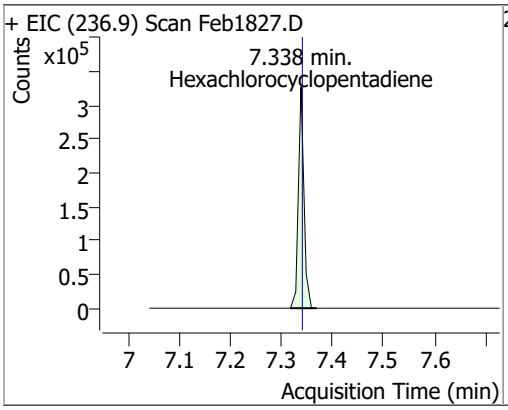
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	77.2806	7.26	0.00	1190045 (m)	142.0	112.0	79.8	148.2
					115.0	42.6	28.9	53.7

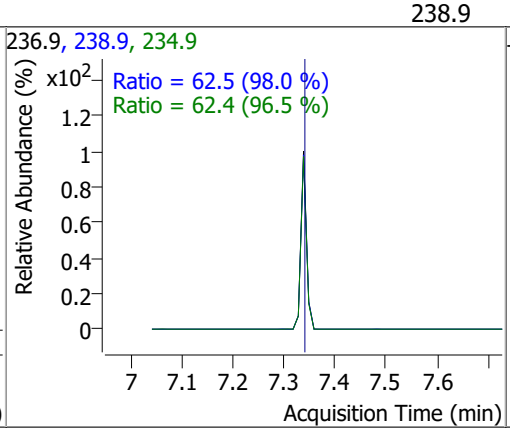


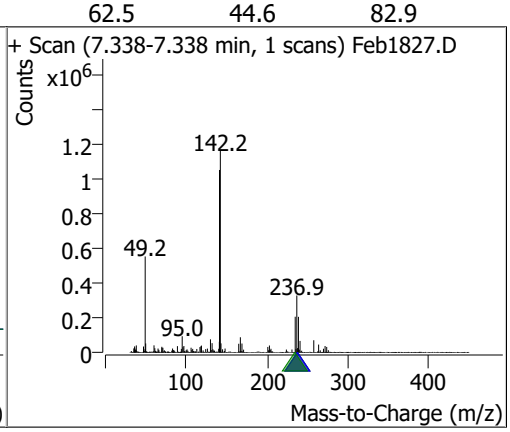




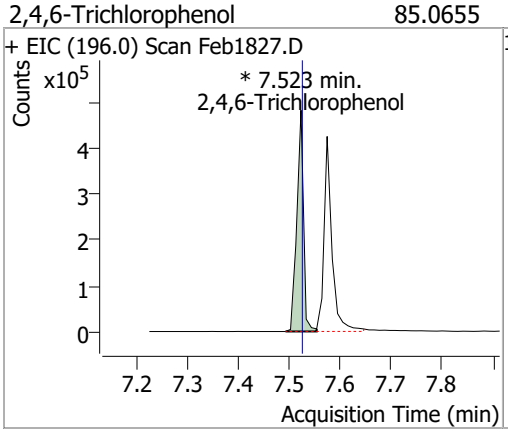
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	83.7102	7.34	0.00	248114	234.9	62.4	45.2	84.0
					238.9	62.5	44.6	82.9

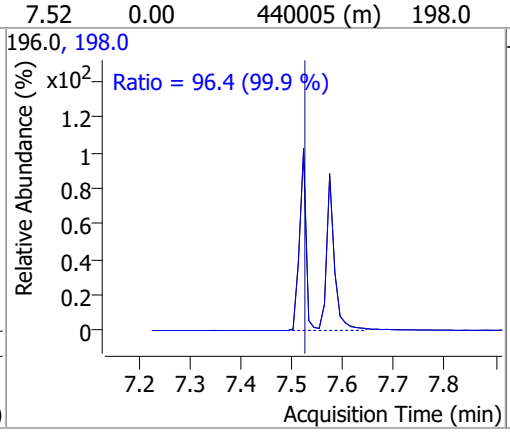


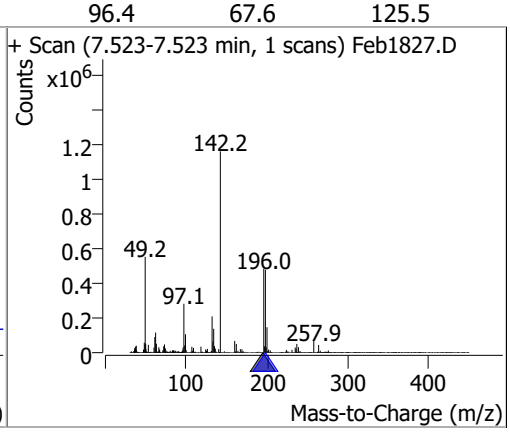




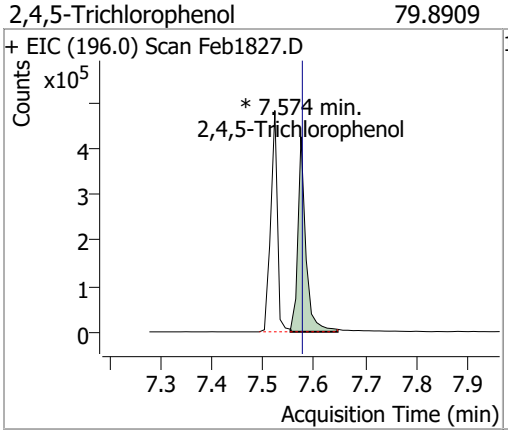
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	85.0655	7.52	0.00	440005 (m)	198.0	96.4	67.6	125.5

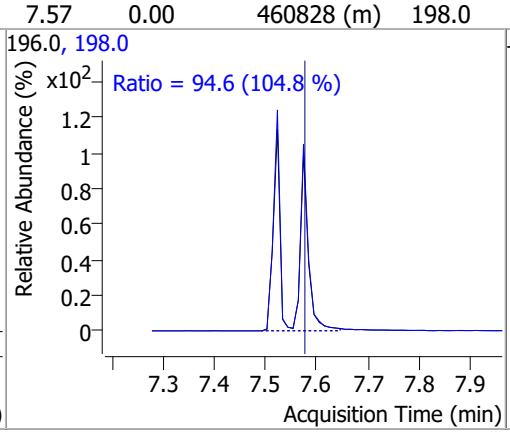


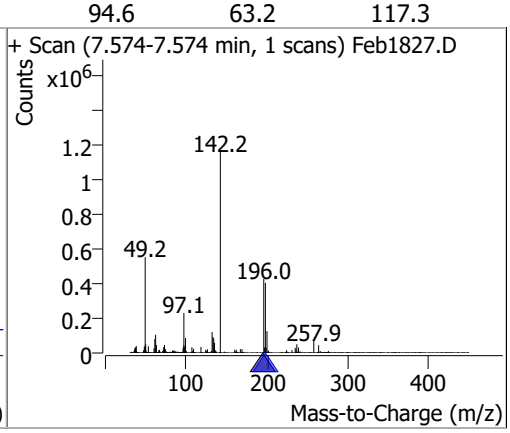




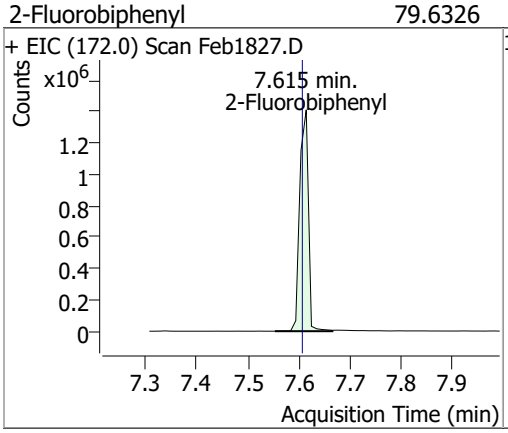
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	79.8909	7.57	0.00	460828 (m)	198.0	94.6	63.2	117.3

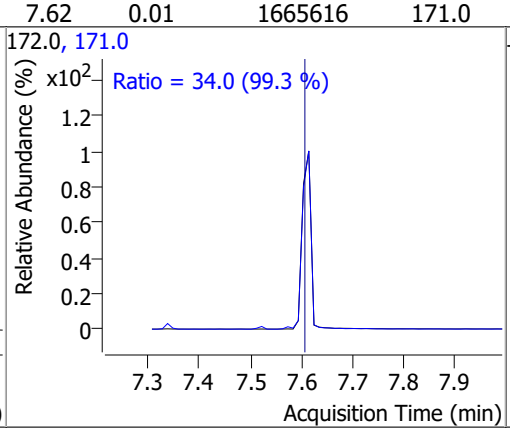


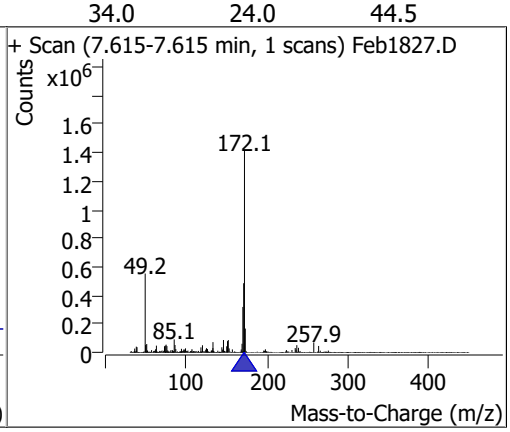




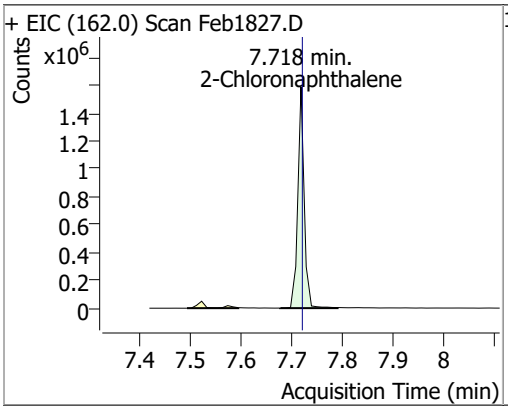
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	79.6326	7.62	0.01	1665616	171.0	34.0	24.0	44.5

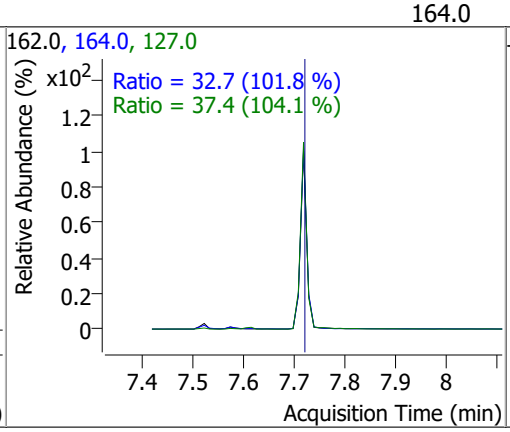


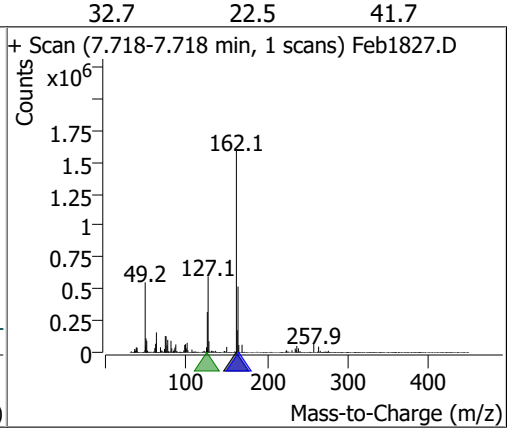




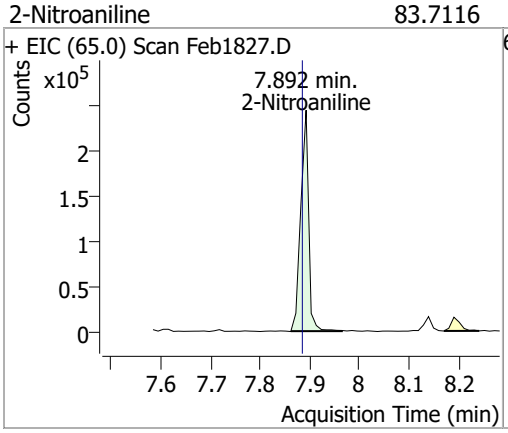
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	78.4990	7.72	0.00	1378676	127.0	37.4	25.1	46.7
					164.0	32.7	22.5	41.7

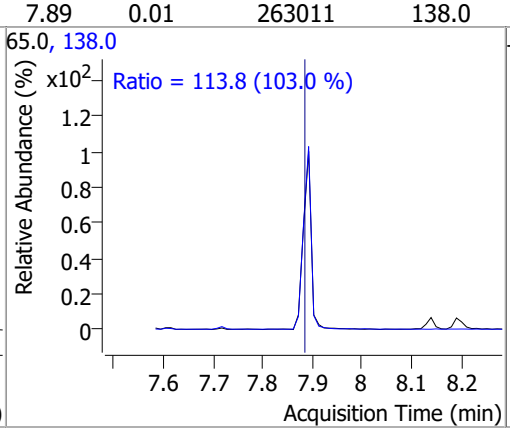


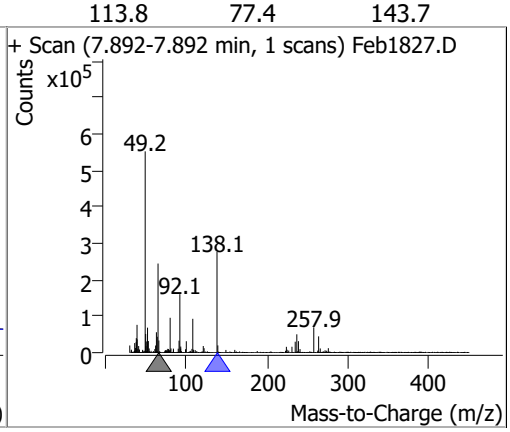




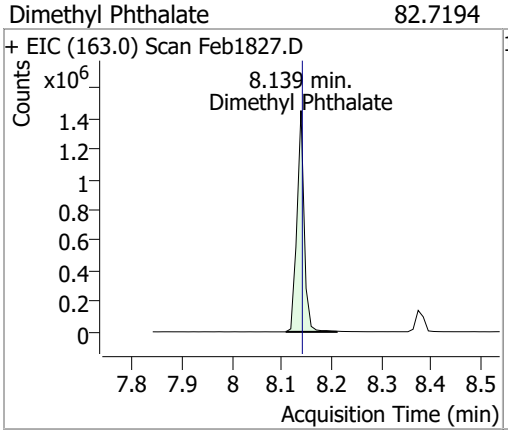
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	83.7116	7.89	0.01	263011	138.0	113.8	77.4	143.7

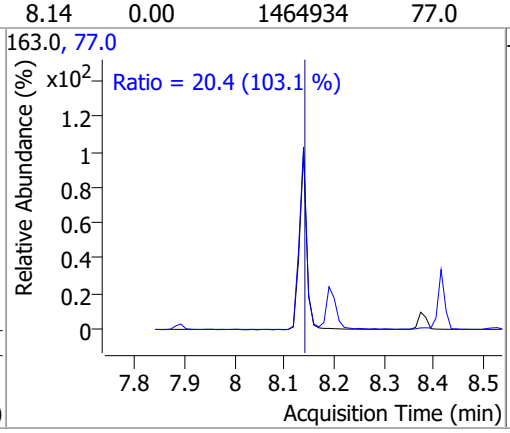


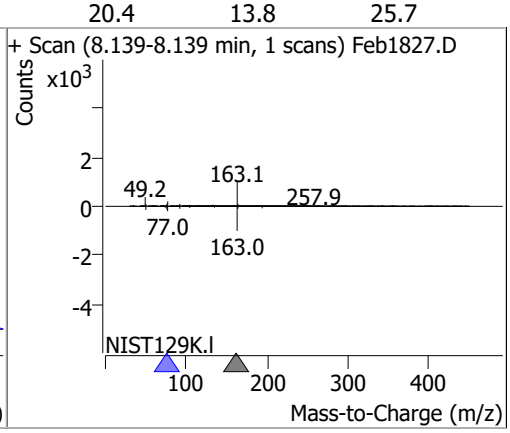




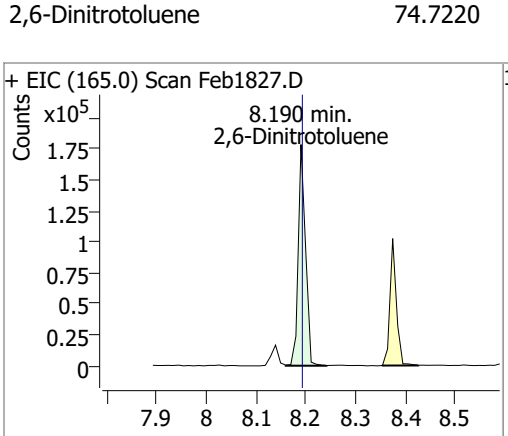
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	82.7194	8.14	0.00	1464934	77.0	20.4	13.8	25.7

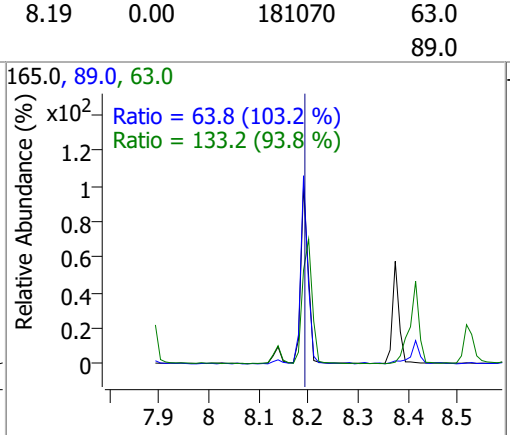


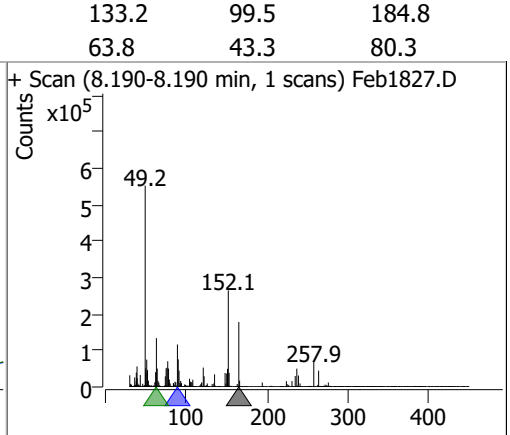




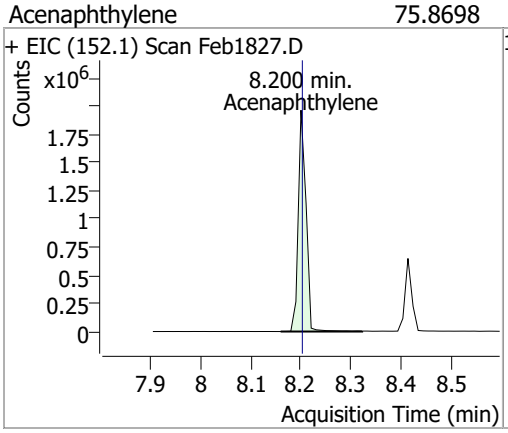
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	74.7220	8.19	0.00	181070	63.0	133.2	99.5	184.8
					89.0	63.8	43.3	80.3

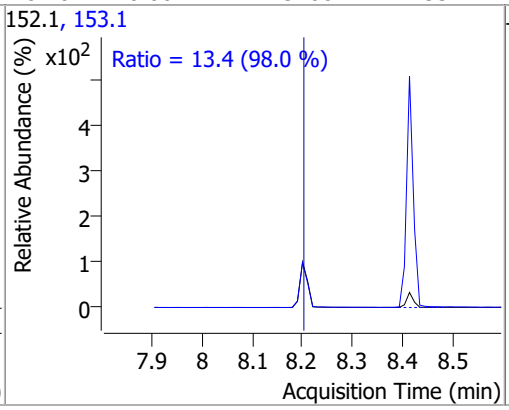


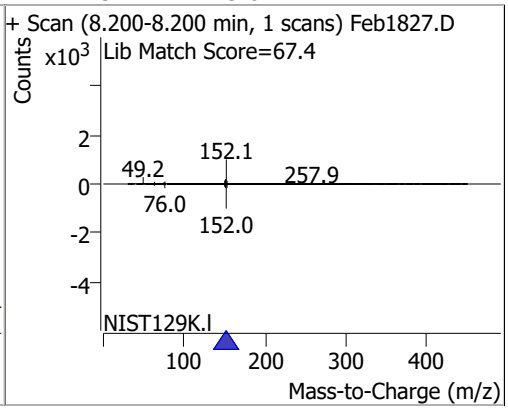




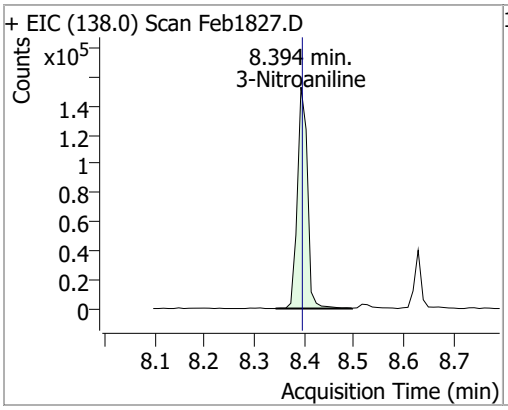
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	75.8698	8.20	0.00	2131082	153.1	13.4	9.6	17.7

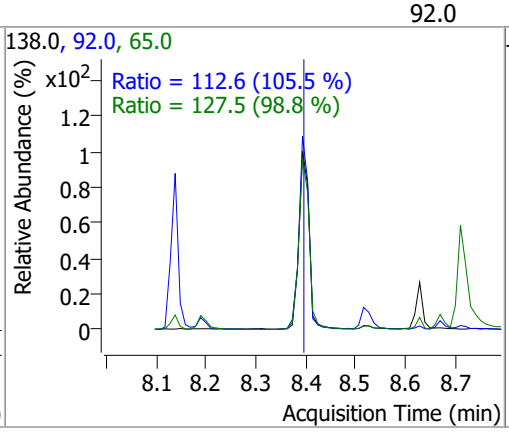


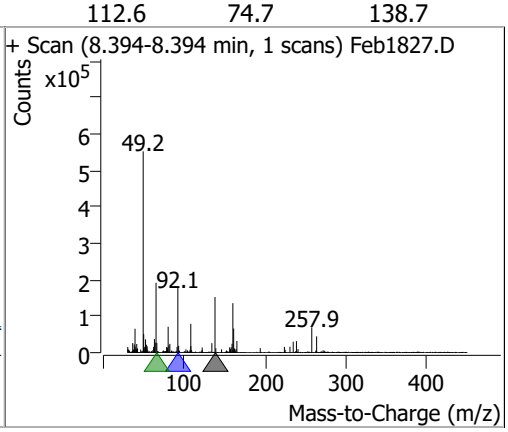




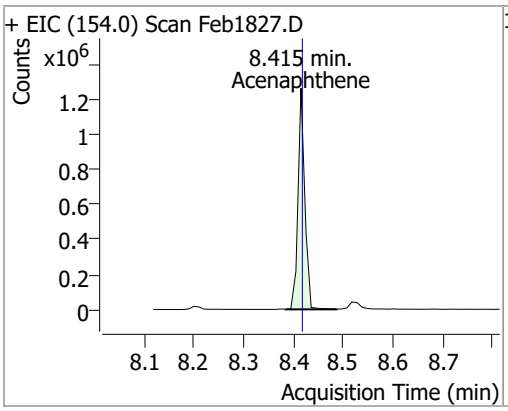
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	78.5658	8.39	0.00	216366	65.0	127.5	90.4	167.8
					92.0	112.6	74.7	138.7

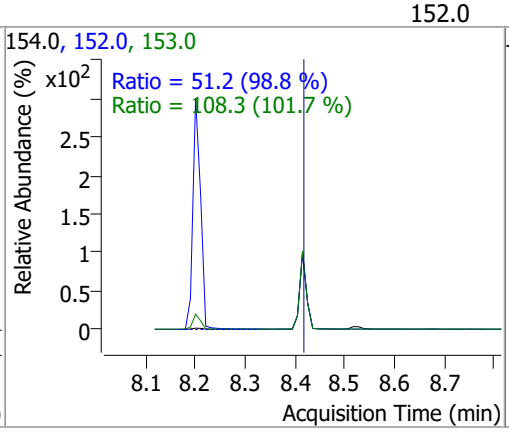


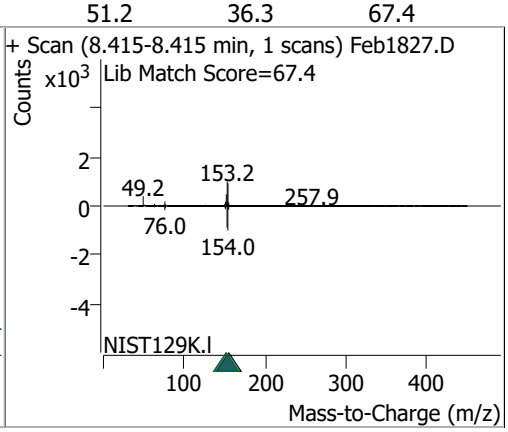




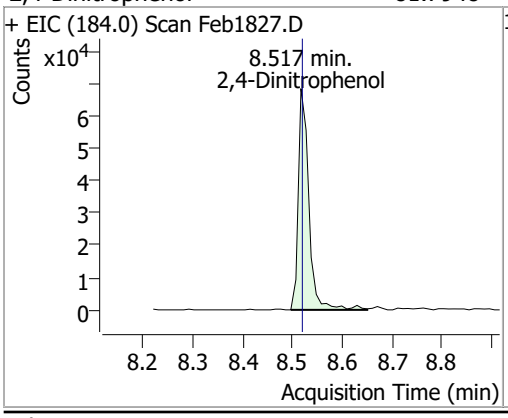
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	73.5879	8.41	0.00	1192024	153.0	108.3	74.5	138.4
					152.0	51.2	36.3	67.4

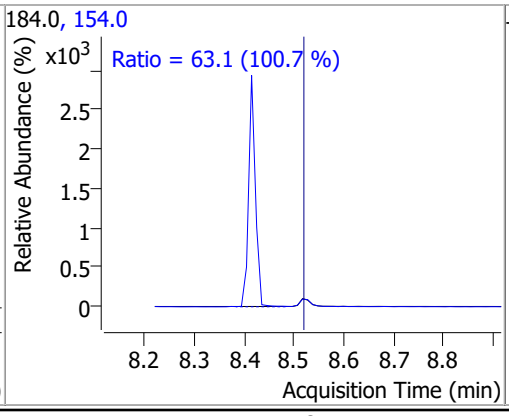


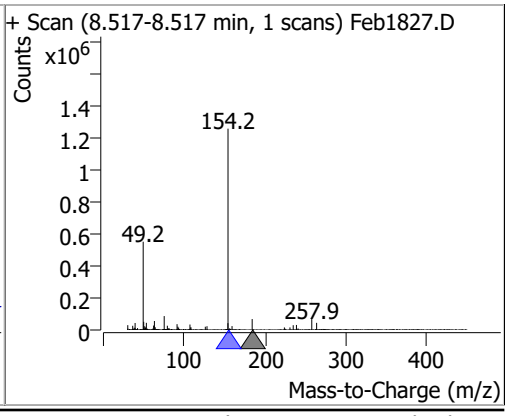




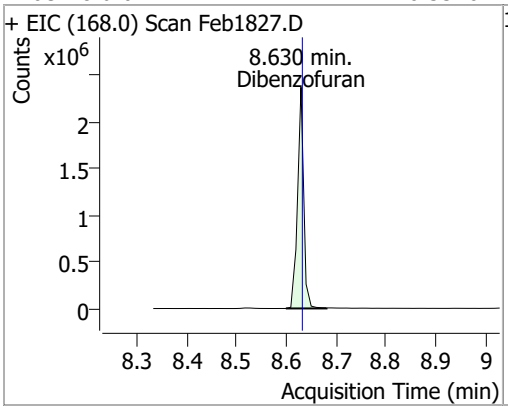
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	81.7948	8.52	0.00	100794	154.0	63.1	43.9	81.5

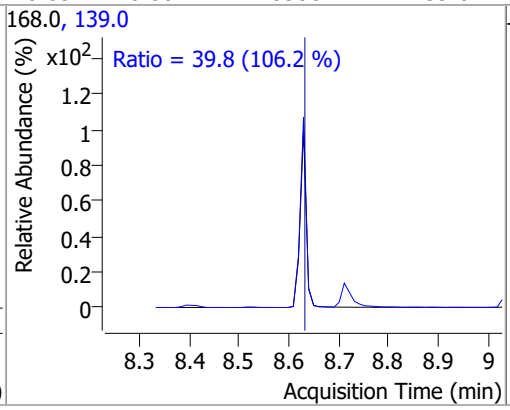


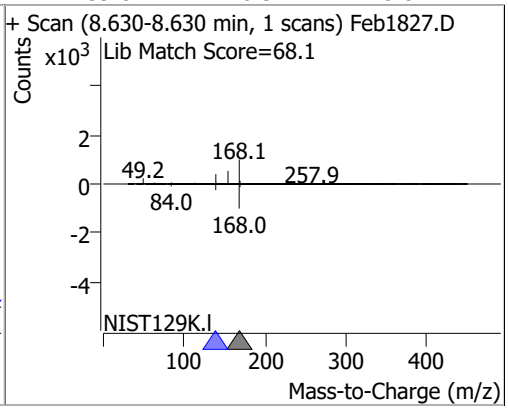




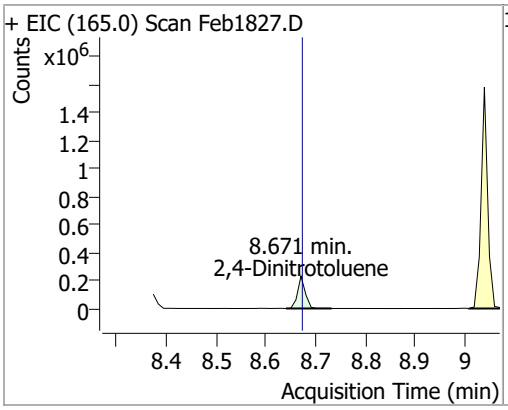
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	76.5576	8.63	0.00	2030874	139.0	39.8	26.3	48.8

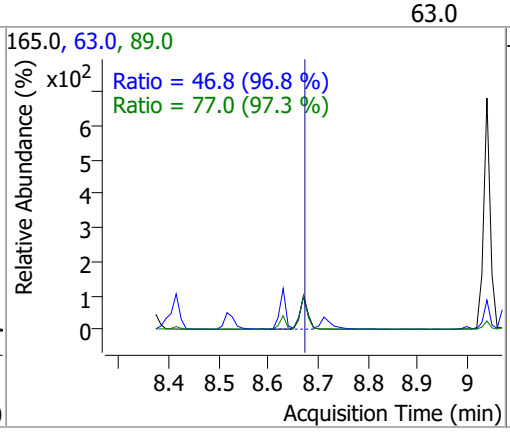


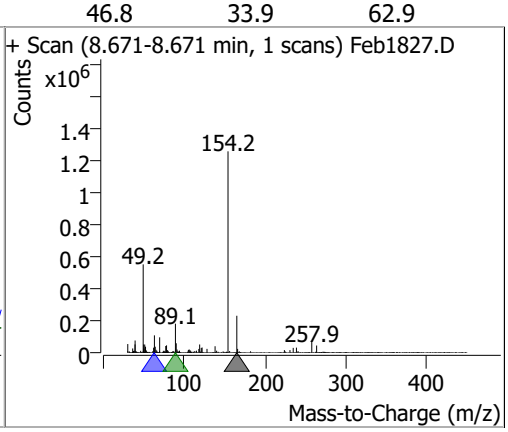




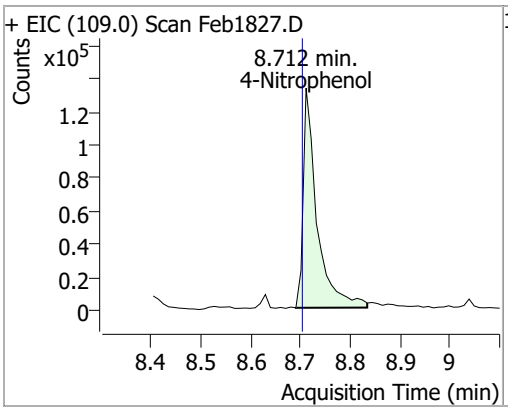
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	80.4520	8.67	0.00	244125	89.0	77.0	55.4	102.9
					63.0	46.8	33.9	62.9

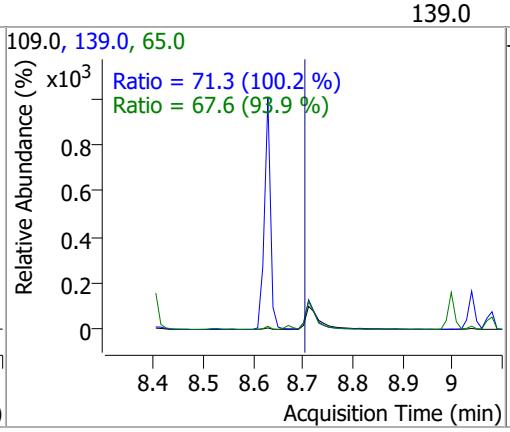


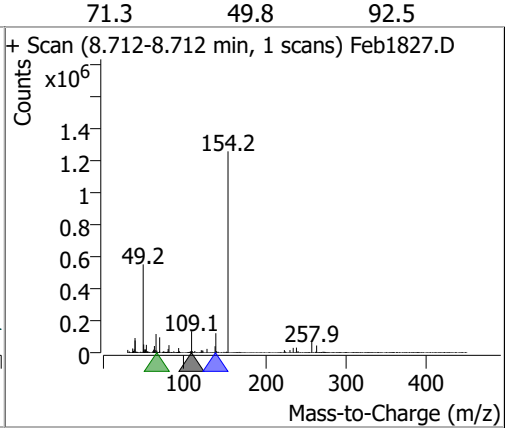




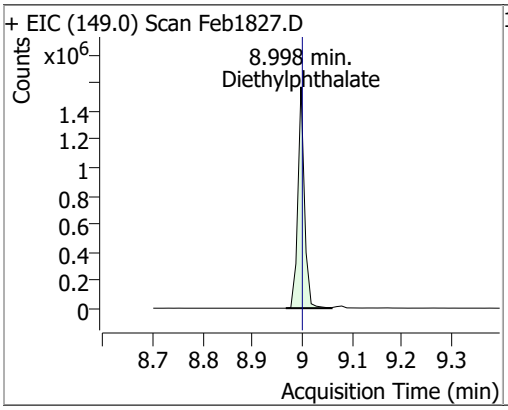
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	84.9536	8.71	0.01	255690	65.0	67.6	50.4	93.6
					139.0	71.3	49.8	92.5

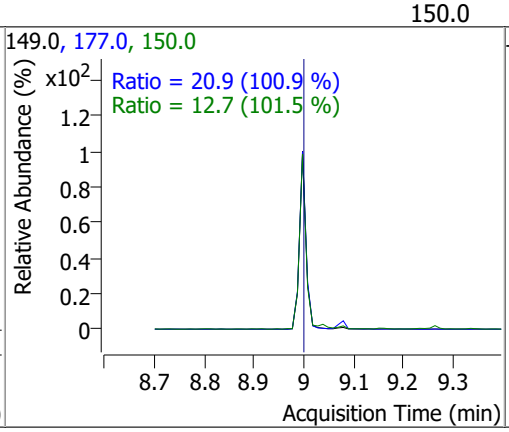


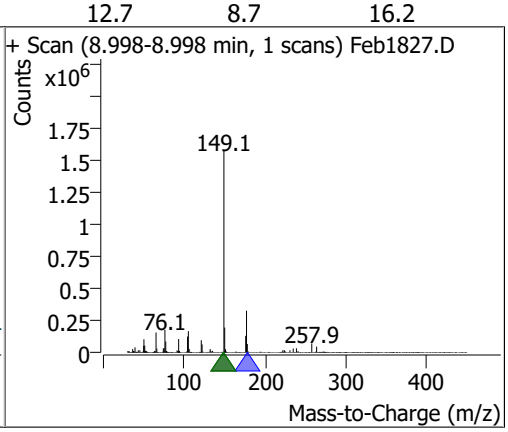




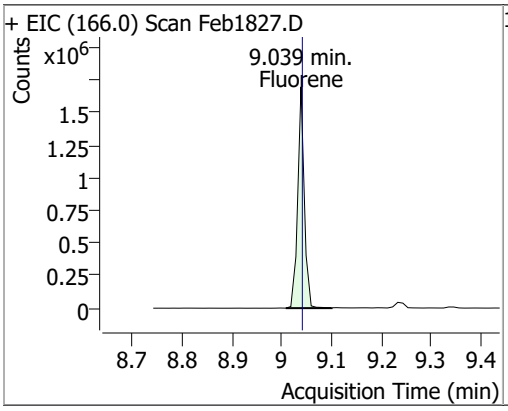
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	78.7461	9.00	0.00	1442024	177.0	20.9	14.5	27.0
					150.0	12.7	8.7	16.2

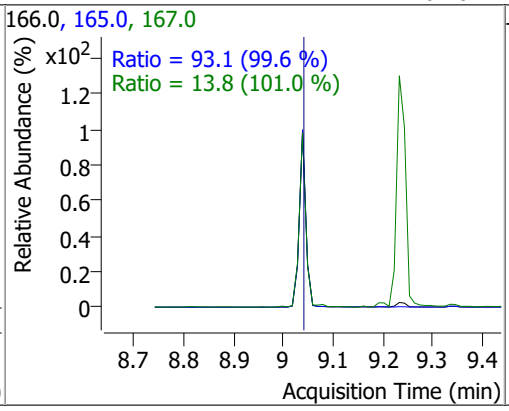


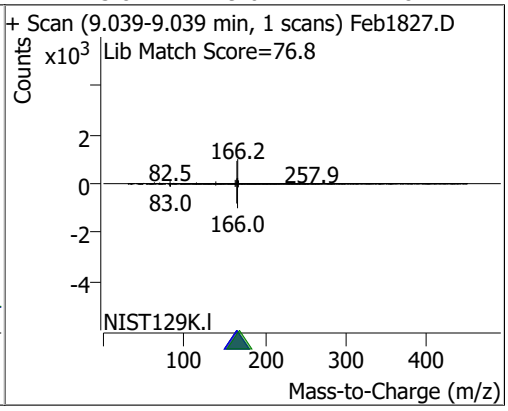




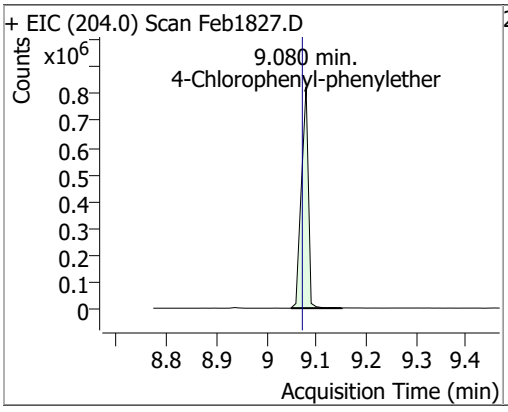
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	73.4285	9.04	0.00	1558114	165.0	93.1	65.4	121.4
					167.0	13.8	9.6	17.8

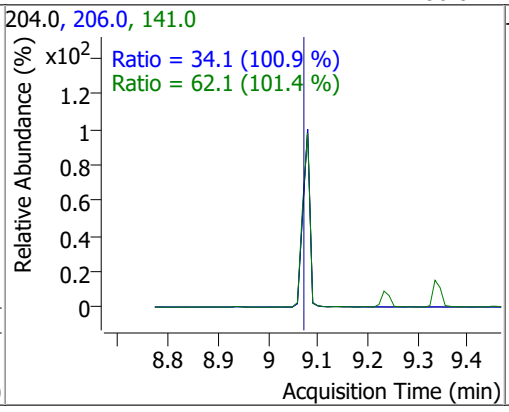


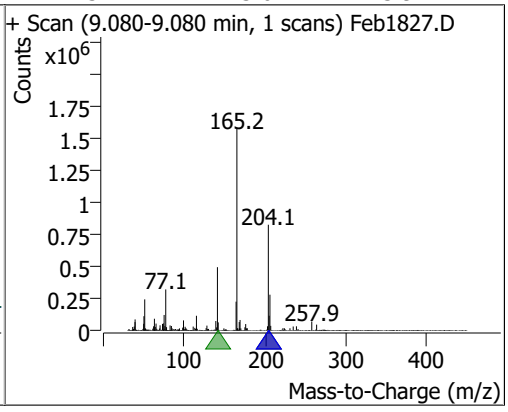




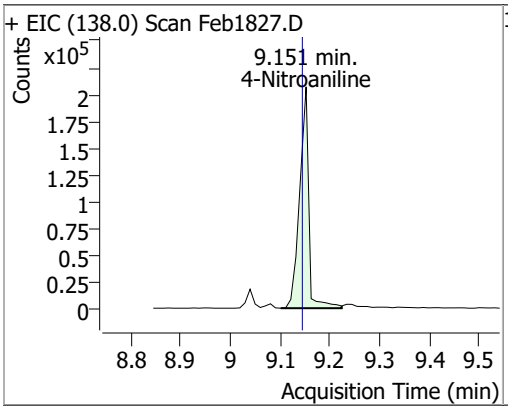
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	83.4706	9.08	0.01	796540	141.0	62.1	42.8	79.6
					206.0	34.1	23.6	43.9

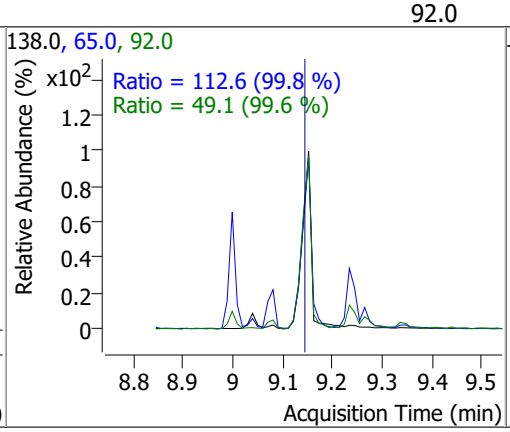


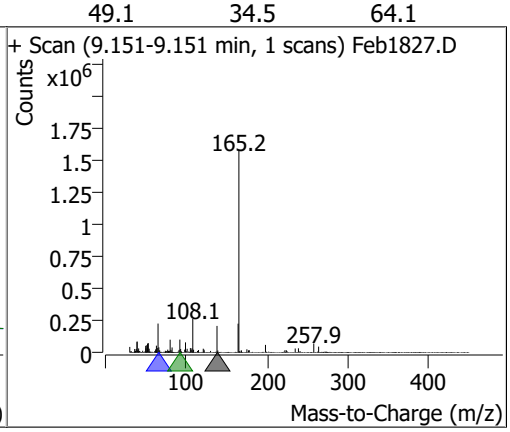




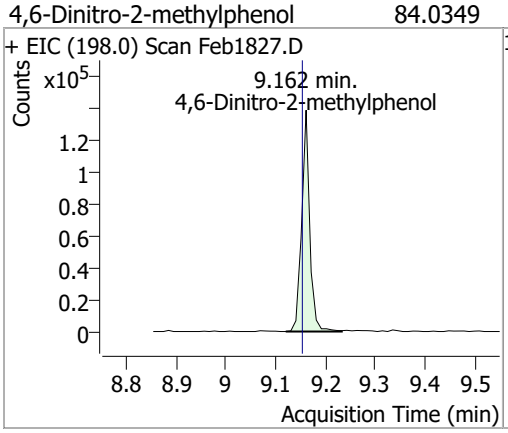
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	86.0686	9.15	0.01	262489	65.0	112.6	78.9	146.6
					92.0	49.1	34.5	64.1

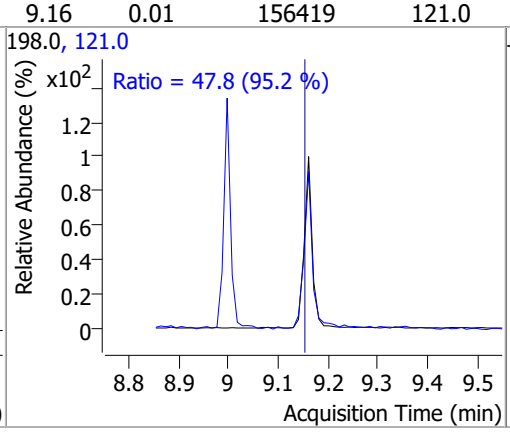


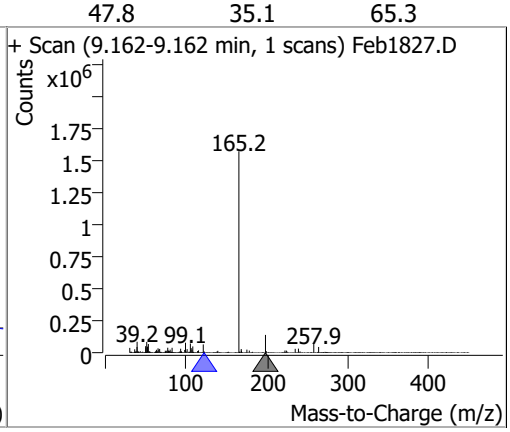




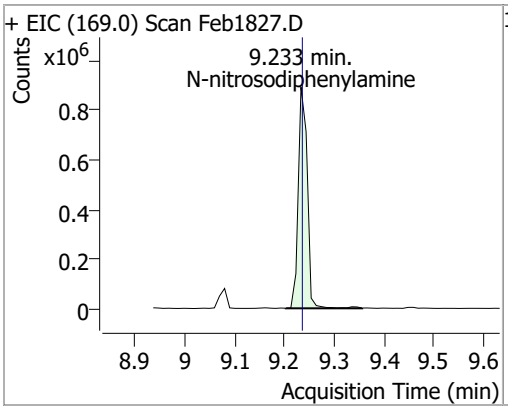
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	84.0349	9.16	0.01	156419	121.0	47.8	35.1	65.3

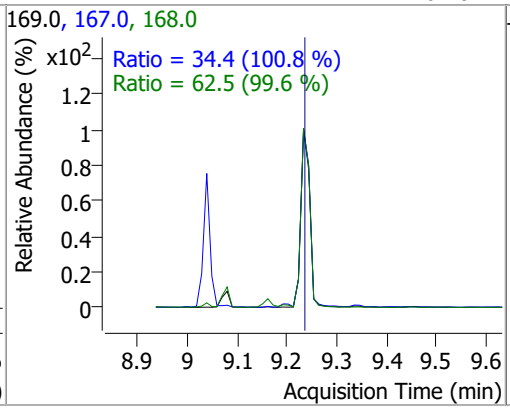


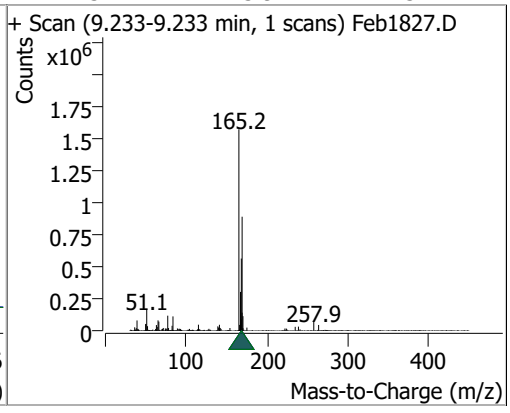




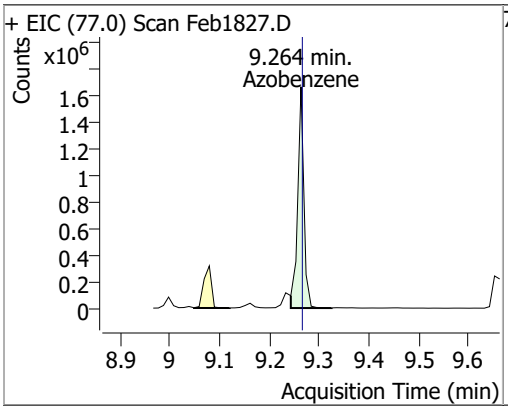
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	78.8431	9.23	0.00	1122431	168.0	62.5	44.0	81.7
					167.0	34.4	23.9	44.3

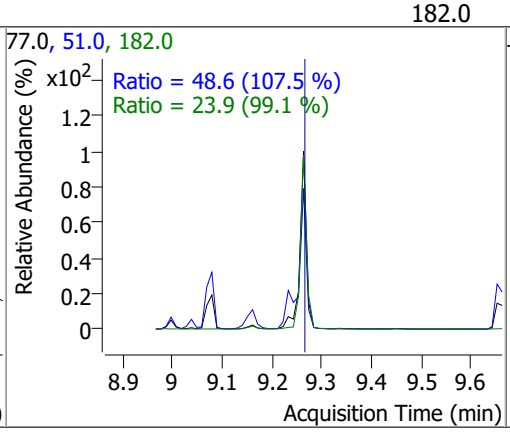


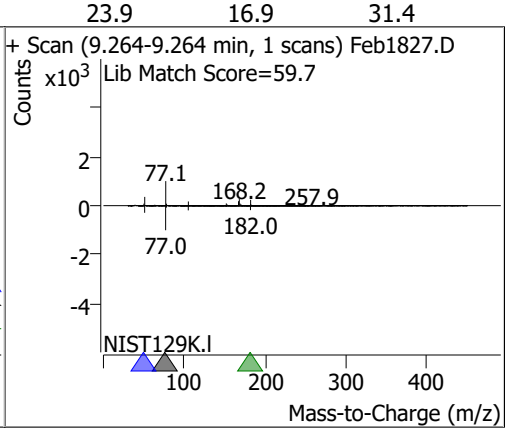




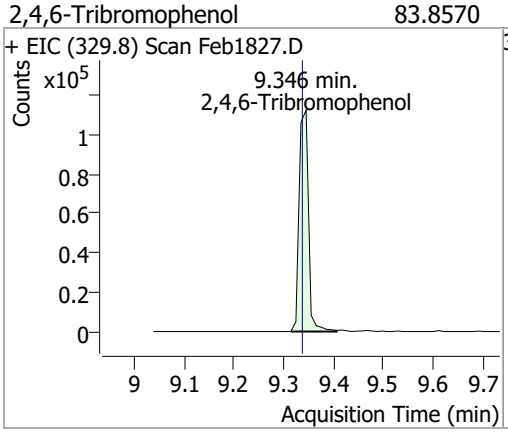
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	76.5865	9.26	0.00	1436972	51.0	48.6	31.6	58.7
					182.0	23.9	16.9	31.4

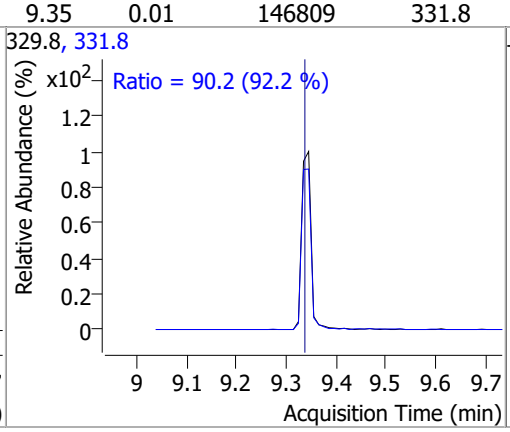


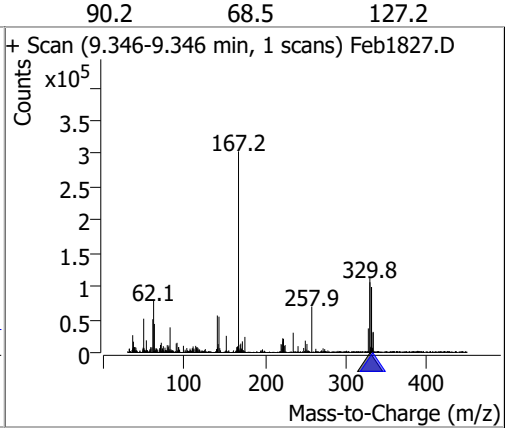




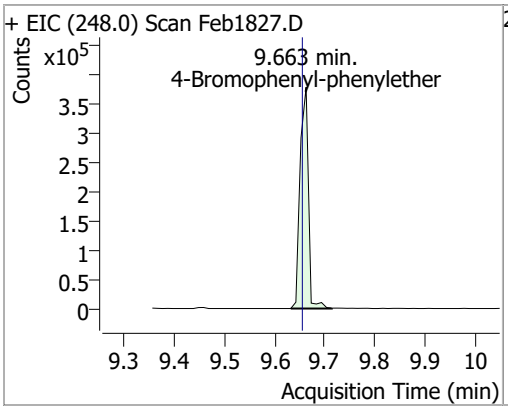
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	83.8570	9.35	0.01	146809	331.8	90.2	68.5	127.2

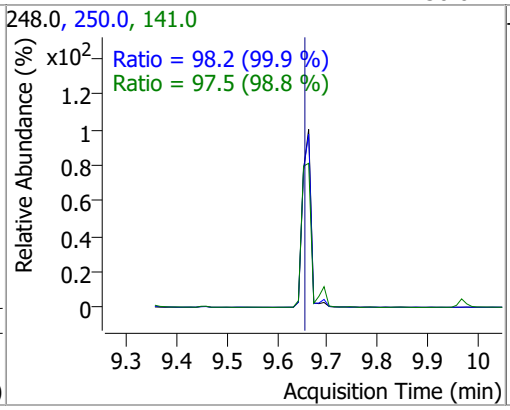


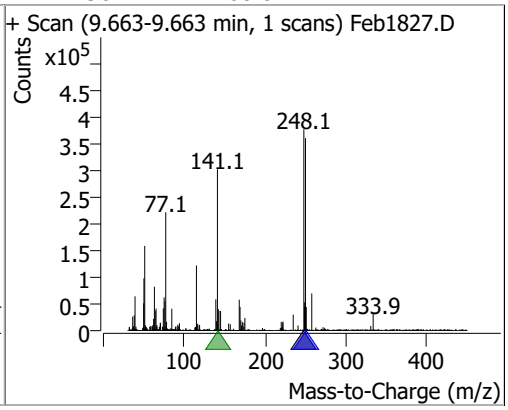




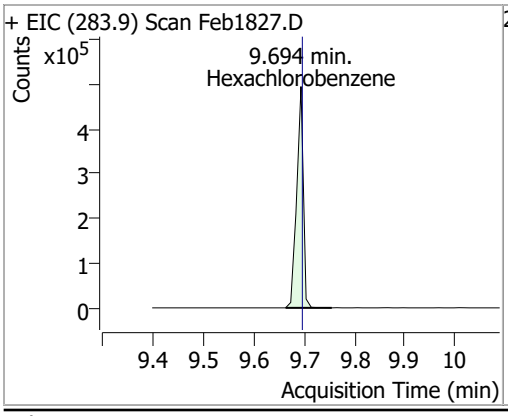
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	80.5743	9.66	0.01	434109	141.0	97.5	69.1	128.4
					250.0	98.2	68.8	127.7

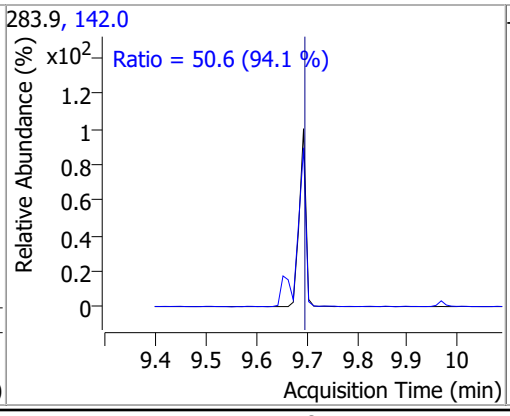


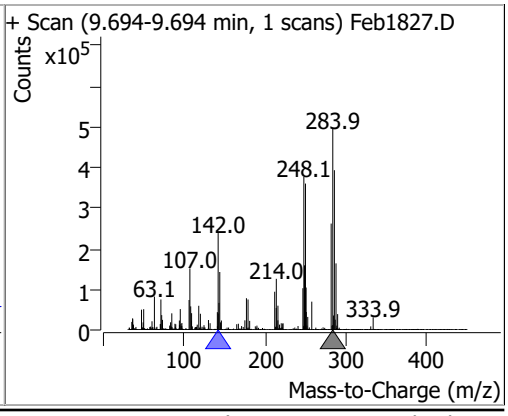




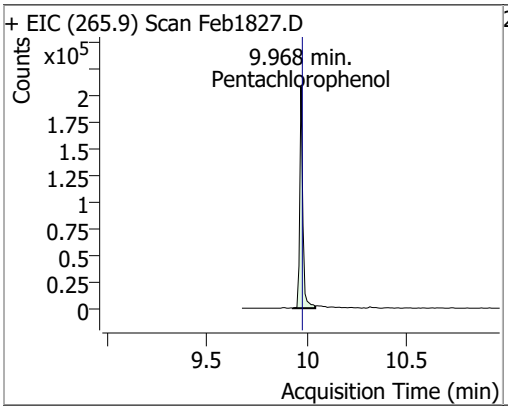
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	82.8407	9.69	0.00	454190	142.0	50.6	37.7	70.0

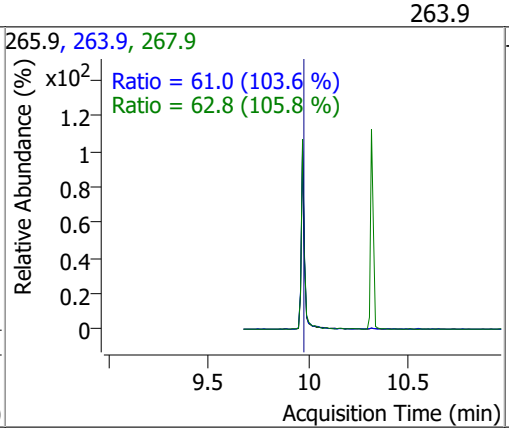


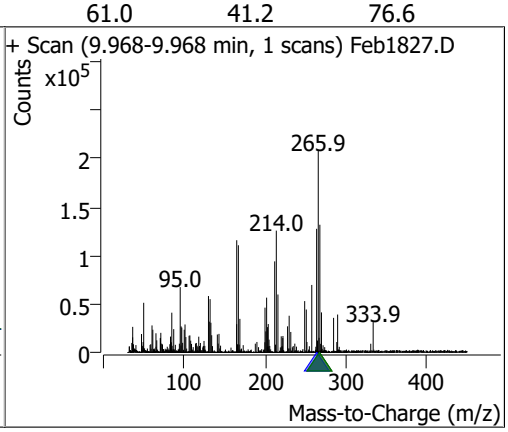




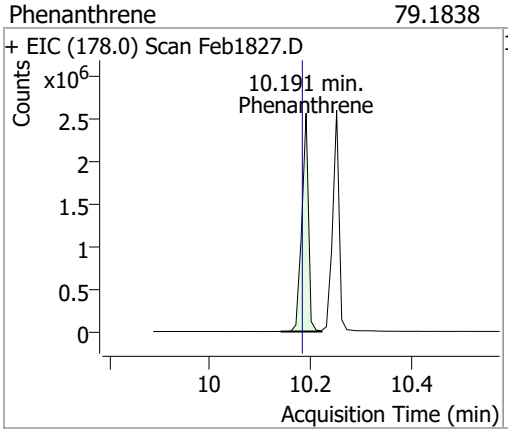
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	84.9464	9.97	0.00	219036	267.9	62.8	41.5	77.2
					263.9	61.0	41.2	76.6

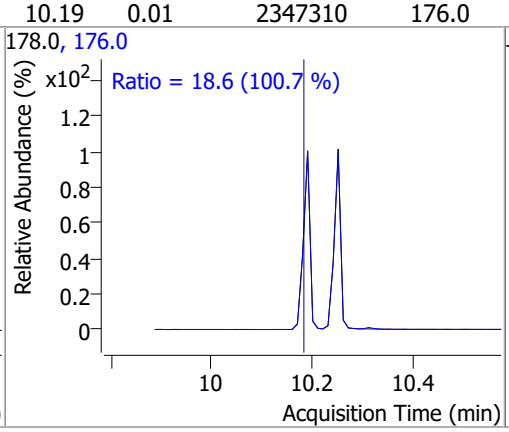


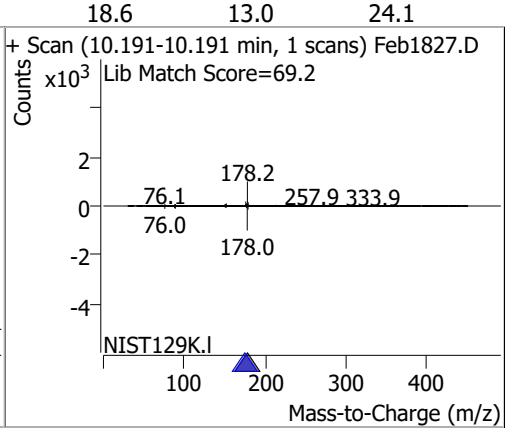




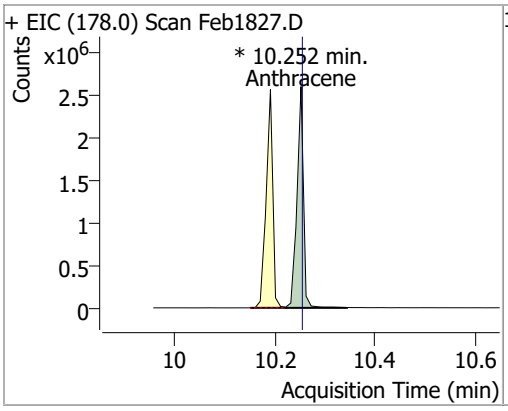
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	79.1838	10.19	0.01	2347310	176.0	18.6	13.0	24.1

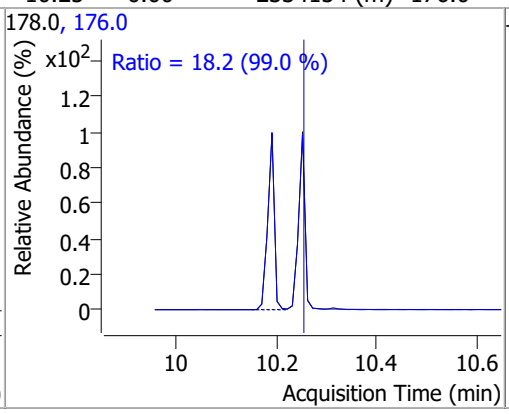


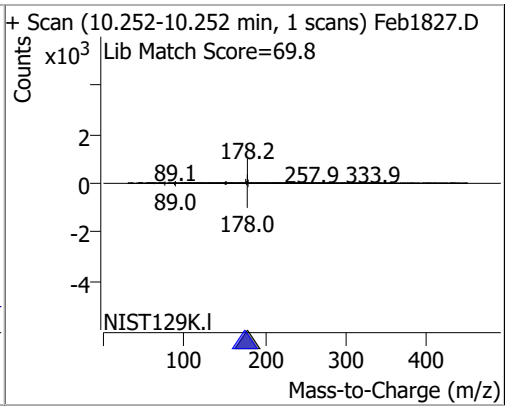




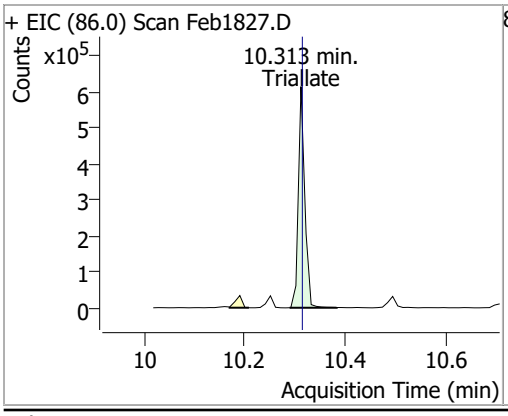
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	83.5271	10.25	0.00	2334154 (m)	176.0	18.2	12.9	23.9

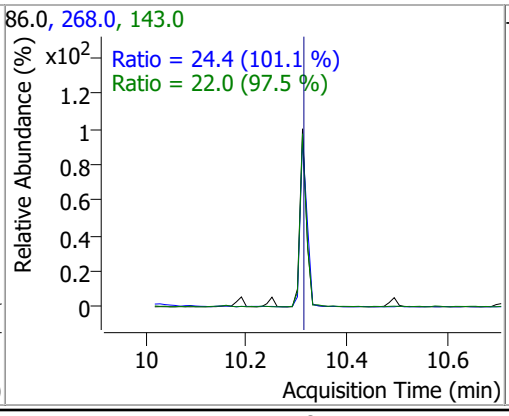


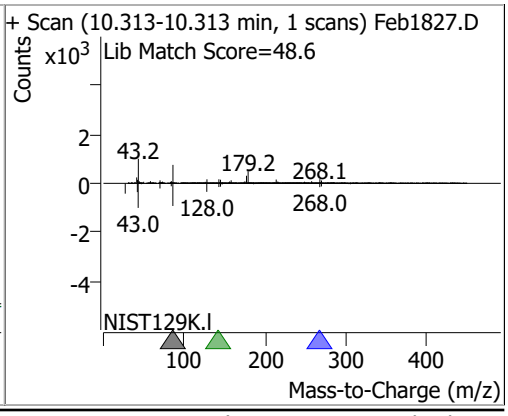




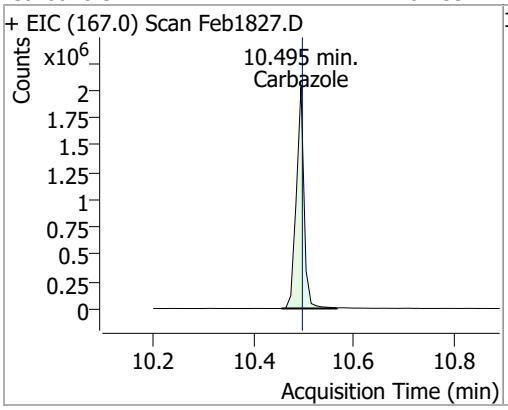
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	81.5315	10.31	0.00	544599	268.0	24.4	16.9	31.4
					143.0	22.0	15.8	29.3

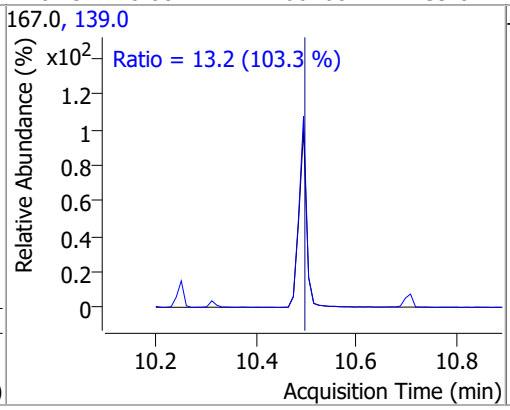


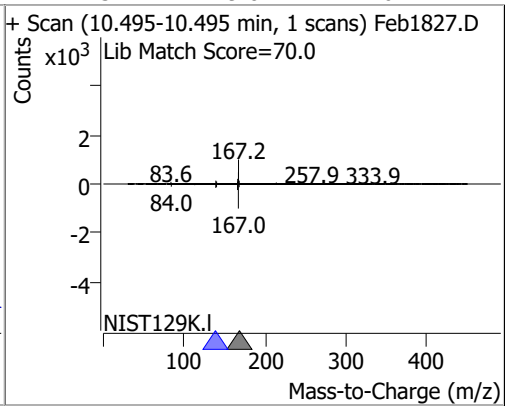




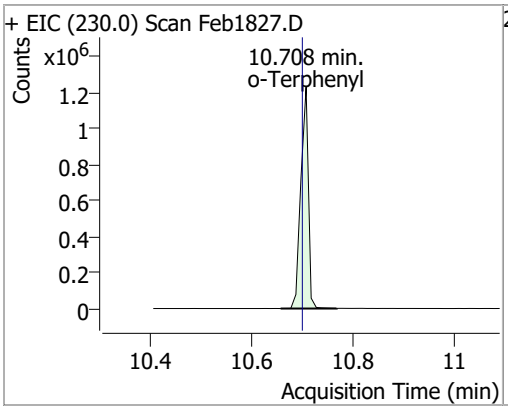
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	76.4391	10.49	0.00	2166168	139.0	13.2	9.0	16.7

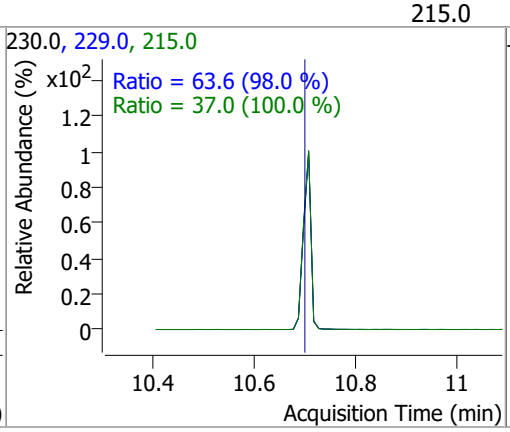


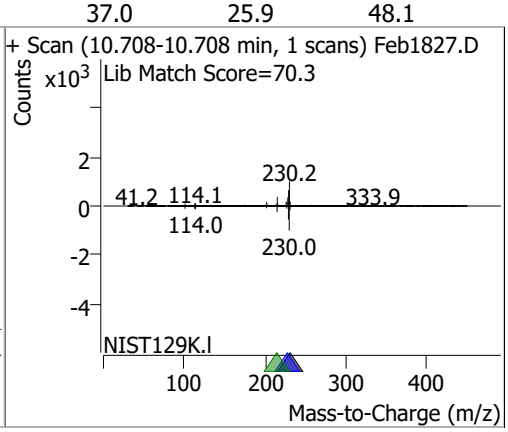




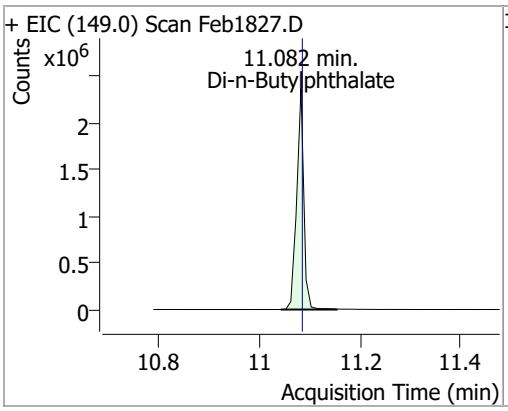
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	81.4661	10.71	0.01	1280045	229.0	63.6	45.4	84.3
					215.0	37.0	25.9	48.1

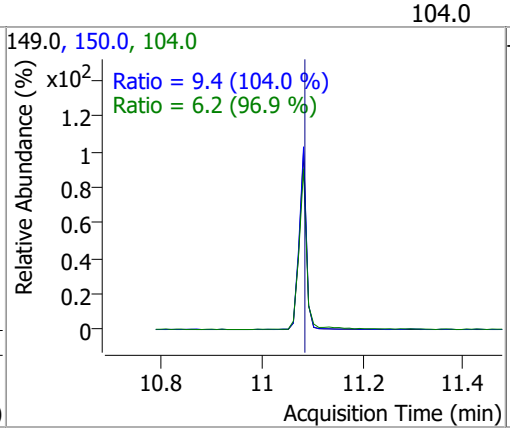


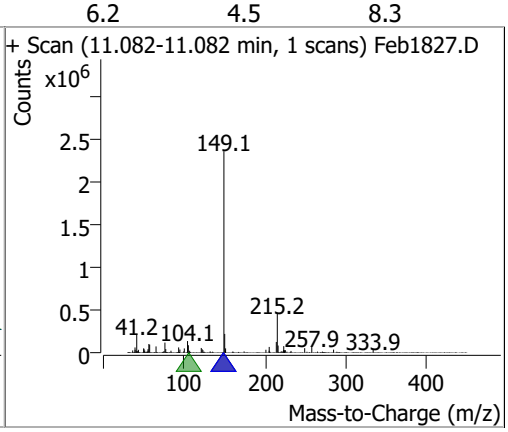




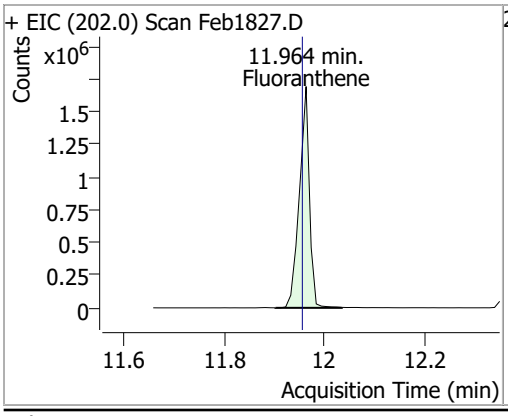
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	85.6959	11.08	0.00	2321143	150.0	9.4	6.3	11.8
					104.0	6.2	4.5	8.3

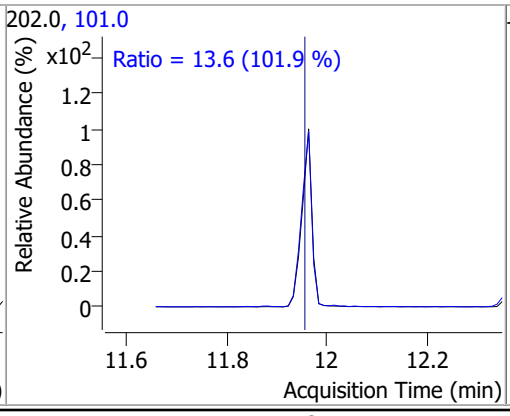


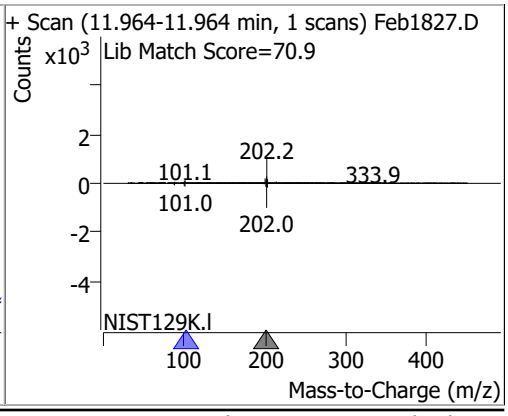




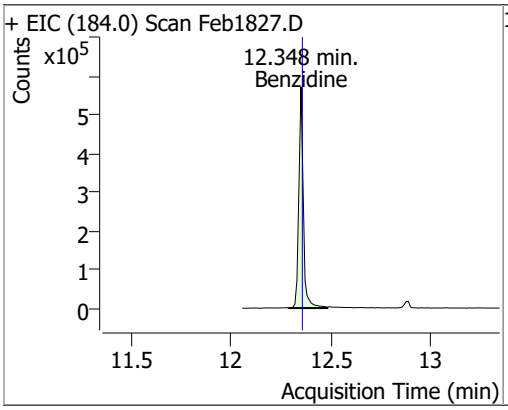
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	78.8948	11.96	0.01	2341183	101.0	13.6	9.4	17.4

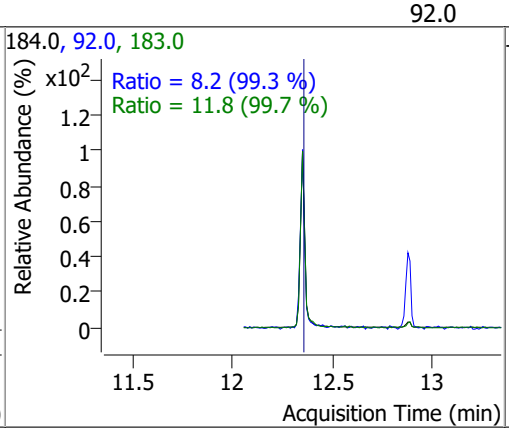


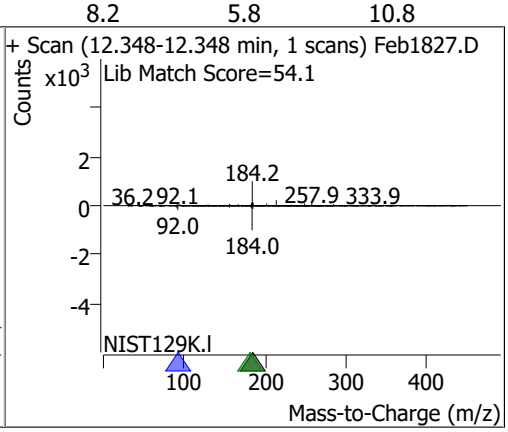




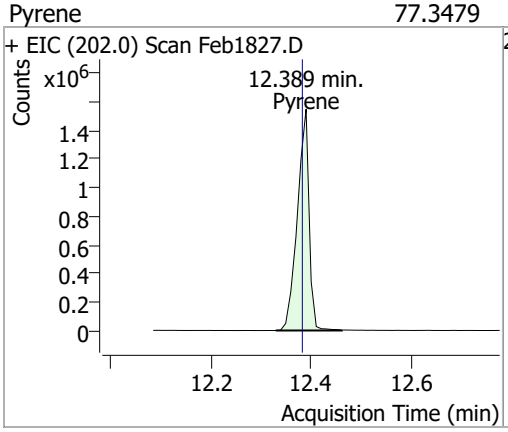
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	86.6553	12.35	0.00	895648	183.0	11.8	8.3	15.4
					92.0	8.2	5.8	10.8

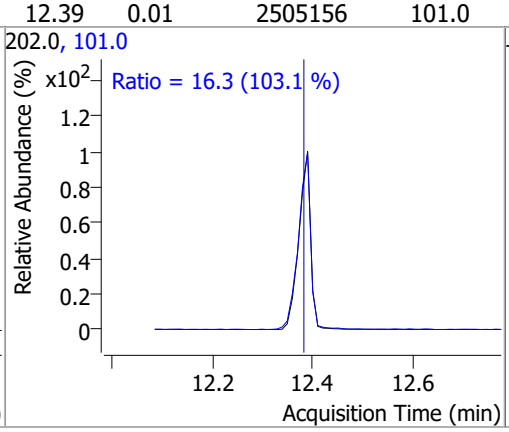


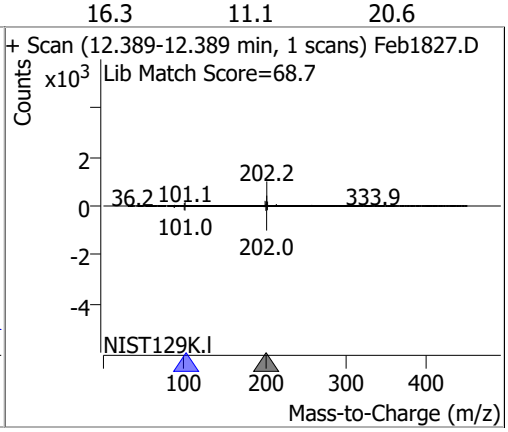




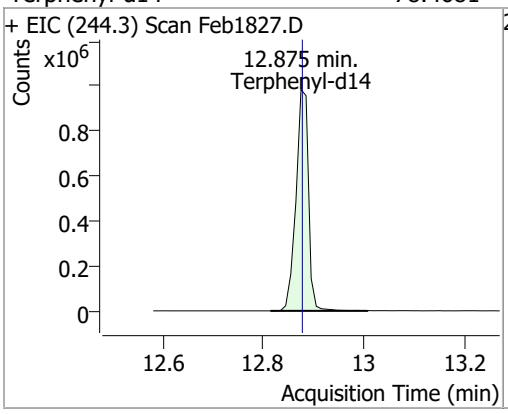
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	77.3479	12.39	0.01	2505156	101.0	16.3	11.1	20.6

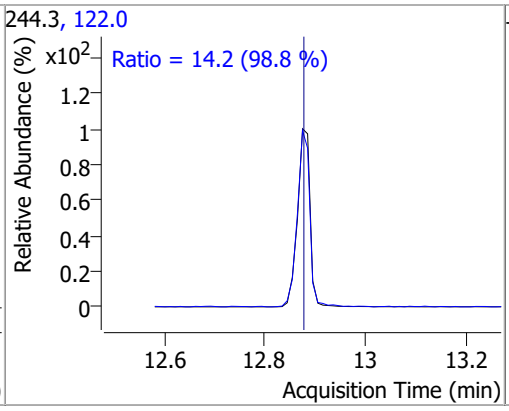


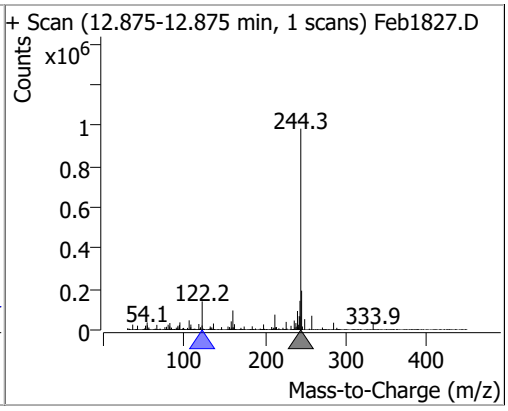




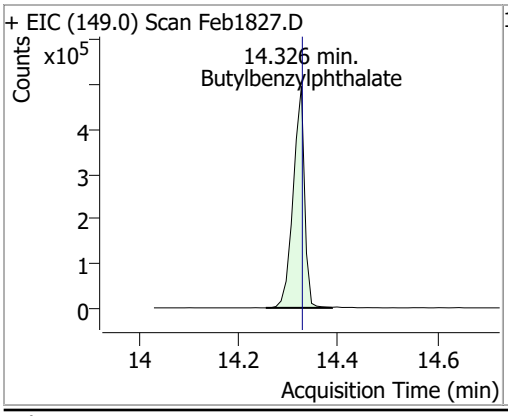
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	78.4681	12.88	0.00	1709544	122.0	14.2	10.1	18.7

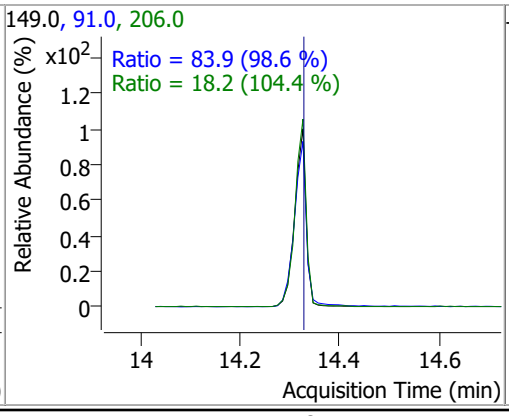


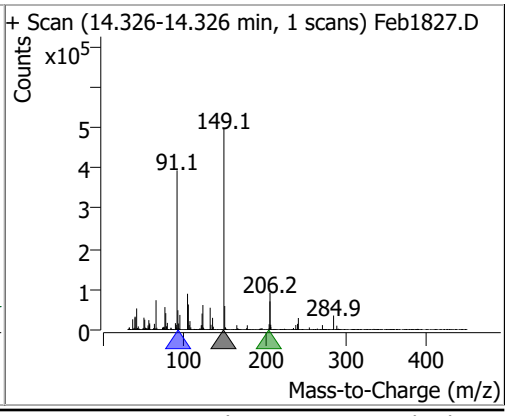




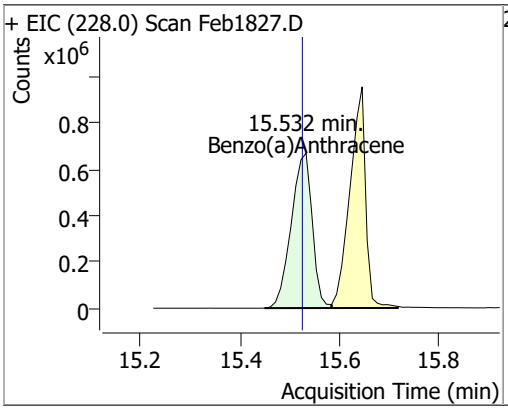
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	82.3461	14.33	0.01	785540	91.0	83.9	59.6	110.6
					206.0	18.2	12.2	22.7

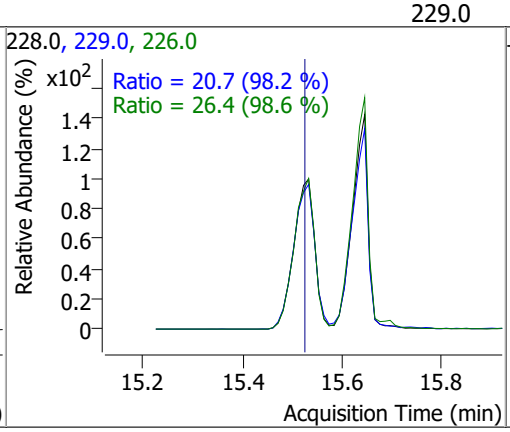


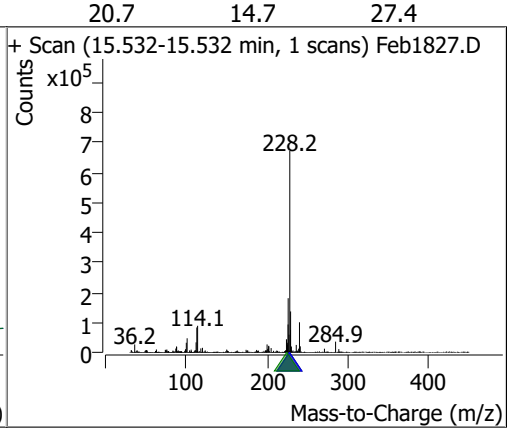




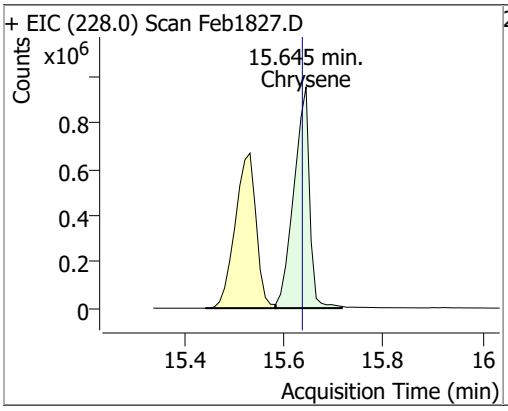
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	78.1625	15.53	0.02	1956214	226.0	26.4	18.8	34.9
					229.0	20.7	14.7	27.4

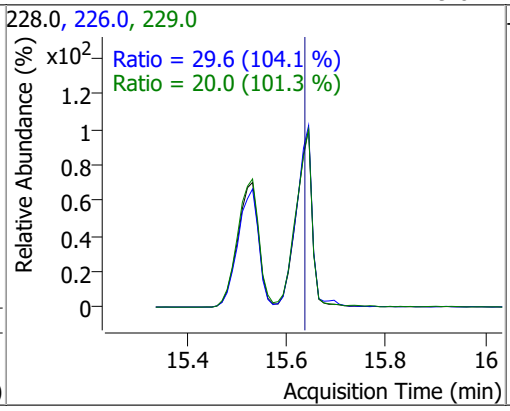


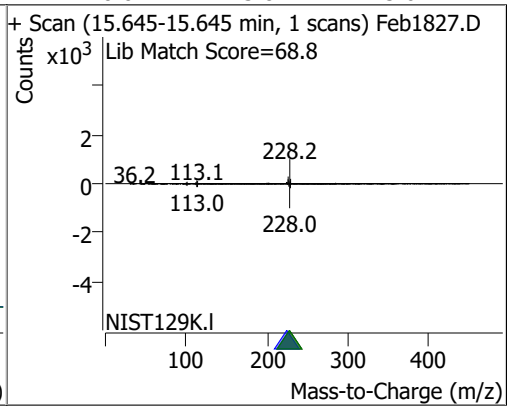




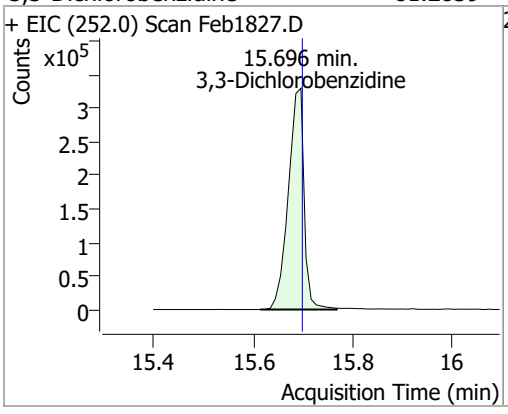
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	74.6698	15.64	0.02	2097009	226.0	29.6	19.9	36.9
					229.0	20.0	13.8	25.6

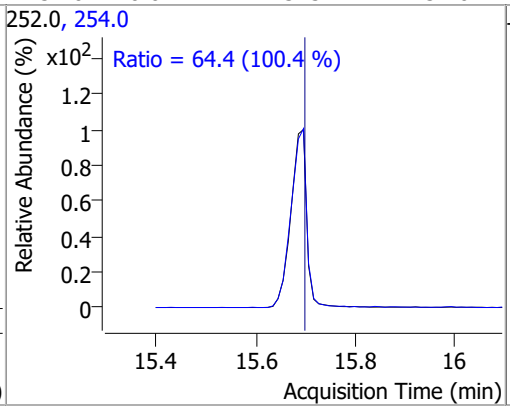


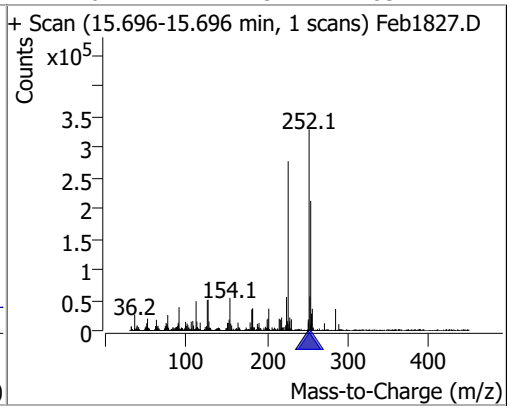




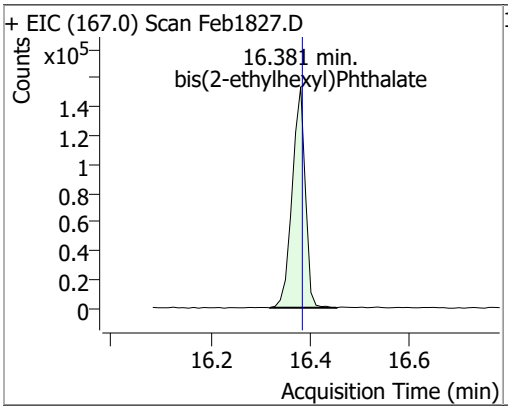
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	81.2839	15.70	0.01	723451	254.0	64.4	44.9	83.4

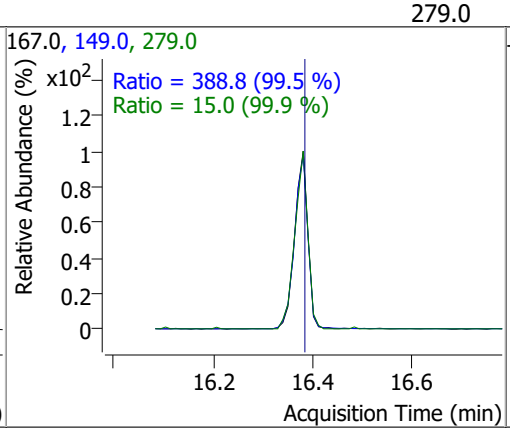


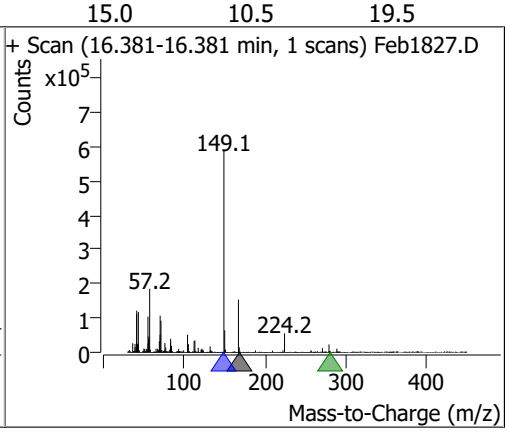




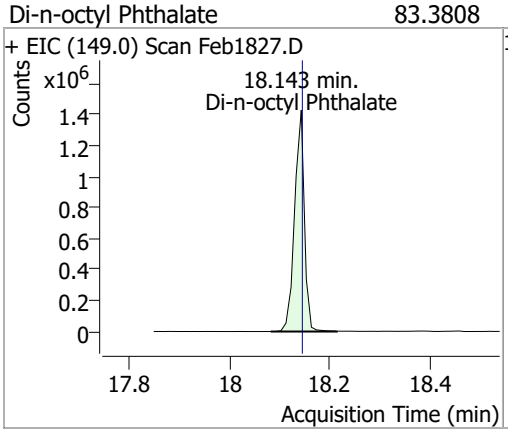
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	84.4959	16.38	0.01	279434	149.0	388.8	273.6	508.0
					279.0	15.0	10.5	19.5

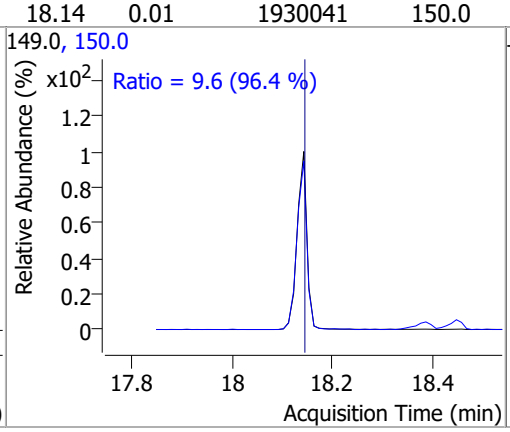


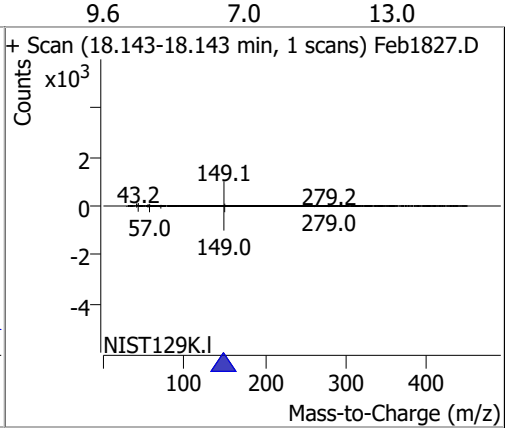




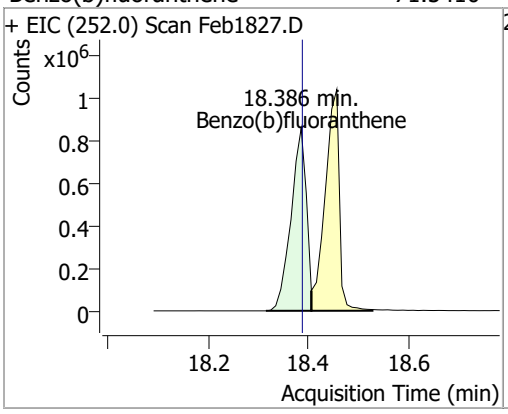
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	83.3808	18.14	0.01	1930041	150.0	9.6	7.0	13.0

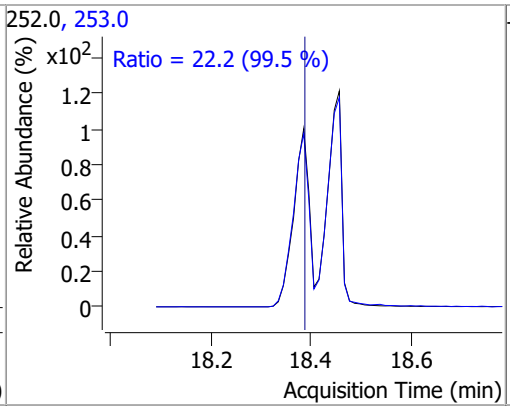


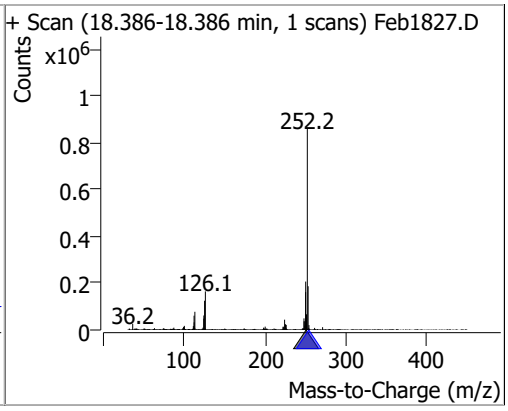




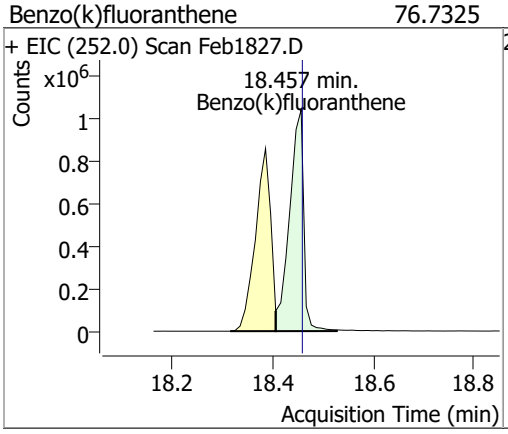
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	71.5410	18.39	0.01	1811573	253.0	22.2	15.6	29.0

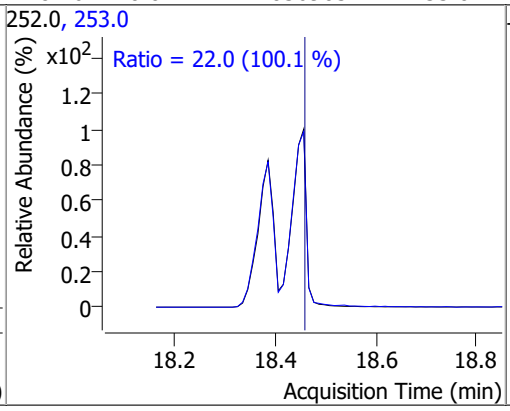


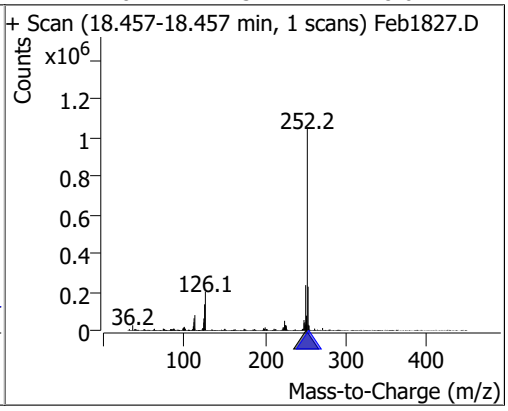




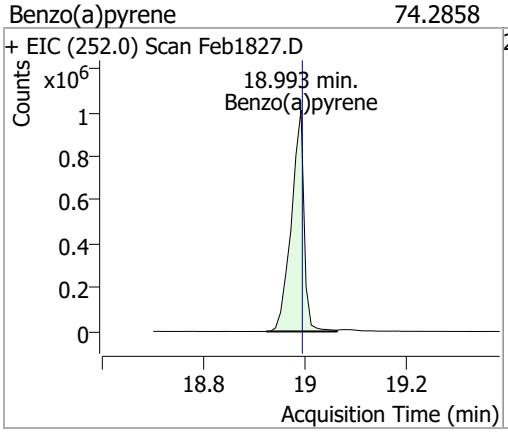
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	76.7325	18.46	0.01	2036905	253.0	22.0	15.4	28.6

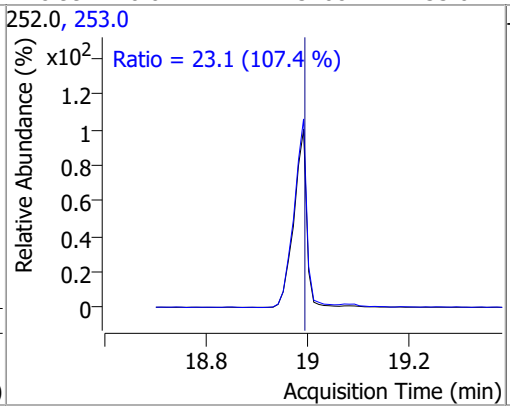


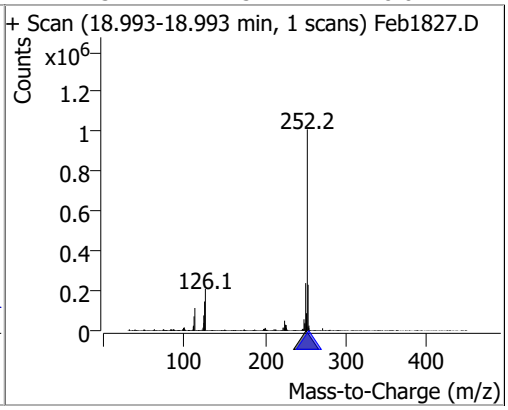




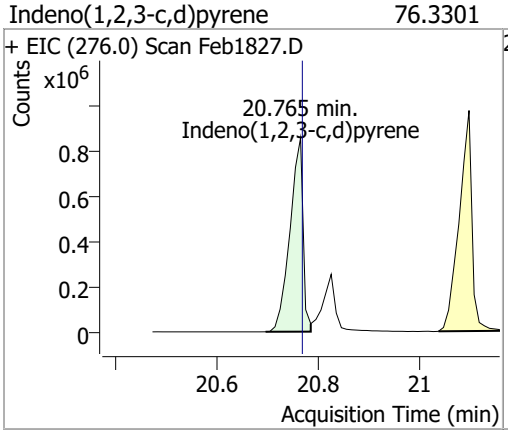
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	74.2858	18.99	0.01	1775708	253.0	23.1	15.1	28.0

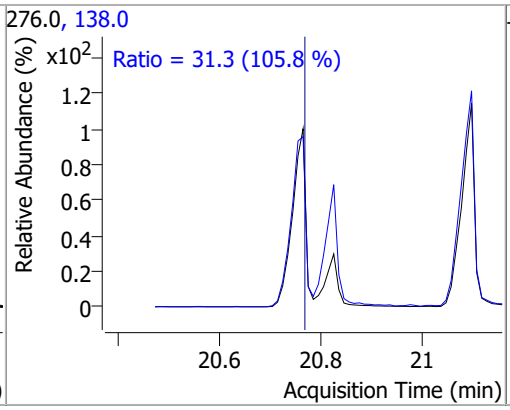


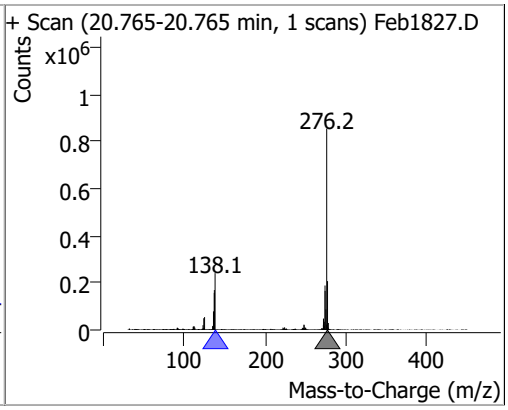




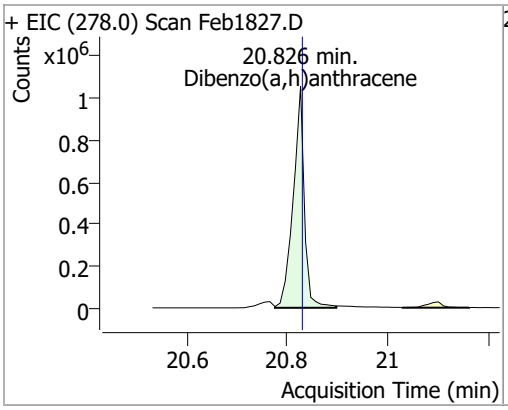
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	76.3301	20.77	0.01	1530850	138.0	31.3	20.7	38.5

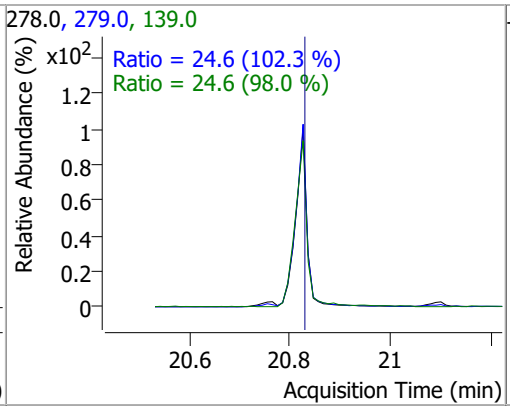


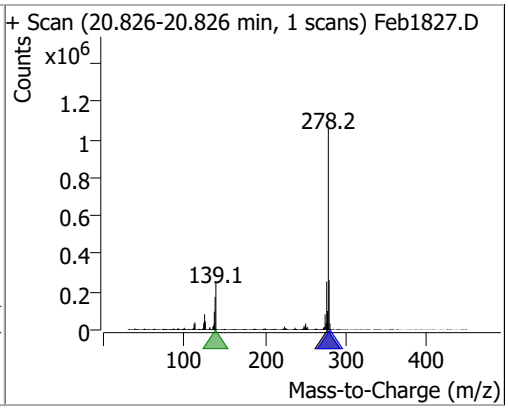




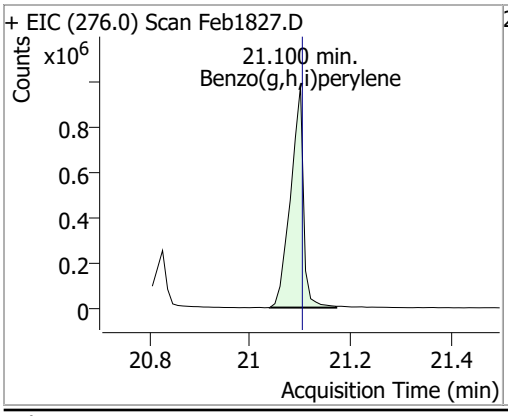
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	73.9985	20.83	0.01	1615531	139.0	24.6	17.6	32.7
					279.0	24.6	16.9	31.3

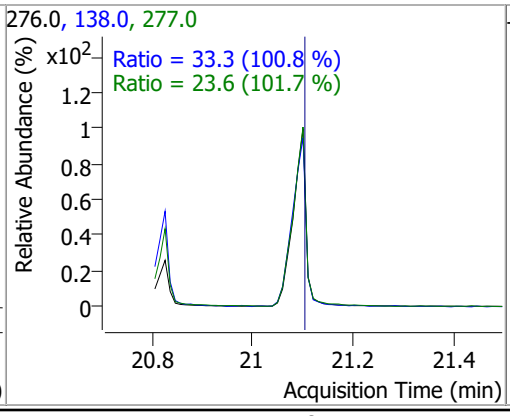


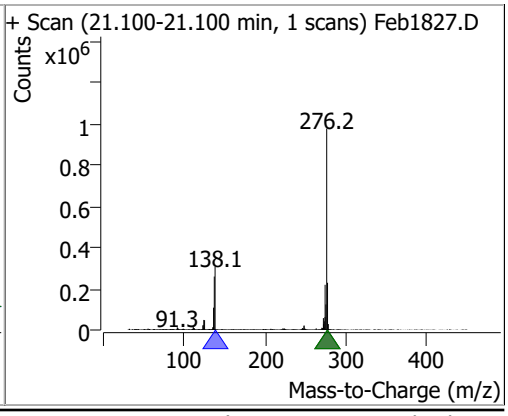




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	74.7986	21.10	0.01	1729644	138.0	33.3	23.1	42.9
					277.0	23.6	16.3	30.2







Quantitation Results Report (QT Reviewed)

Data File	Feb1828.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 10:22:45 PM
Sample Name	18-Feb-22_ISTBLK_28	Instrument	Instrument #1
Vial	28	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
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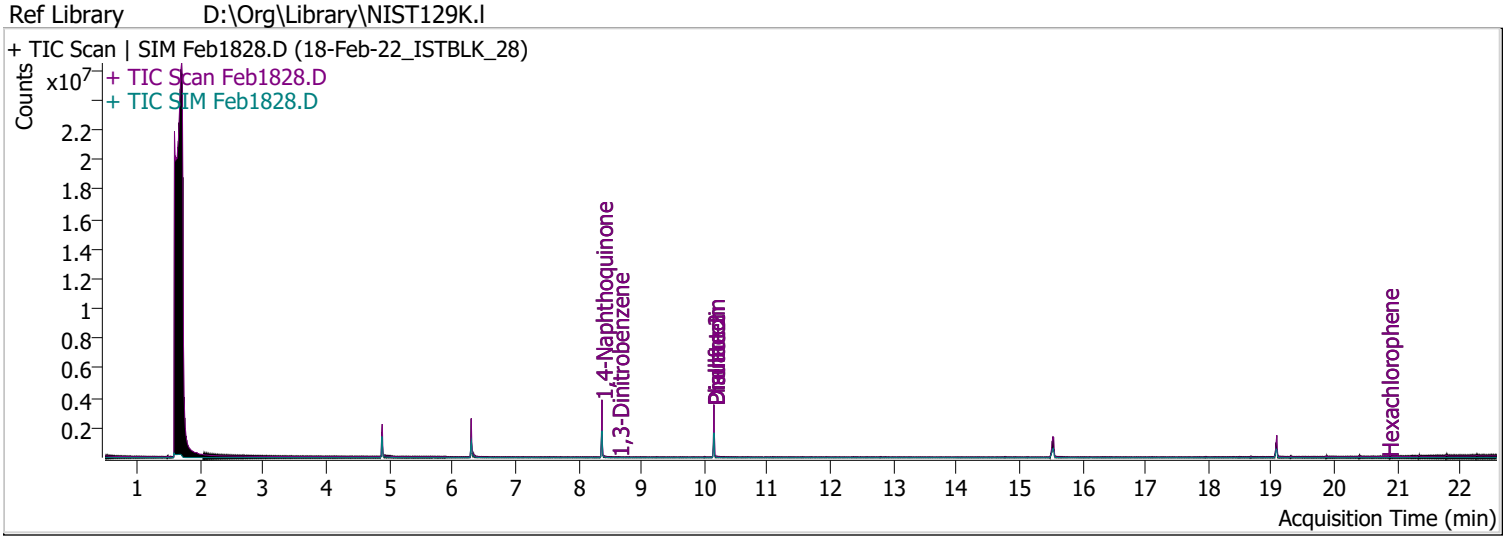


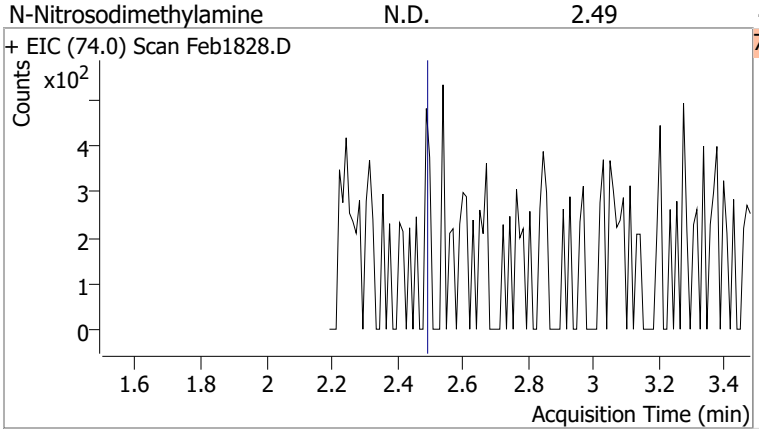
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	0.000		0	N.D.			
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = NA%			
S Phenol-d5	0.000		0	N.D.			
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = NA%			
S Nitrobenzene-d5	0.000		0	N.D.			
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = NA%			
S 2-Fluorobiphenyl	0.000		0	N.D.			
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = NA%			
S 2,4,6-Tribromophenol	0.000		0	N.D.			
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = NA%			
S Terphenyl-d14	0.000		0	N.D.			
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = NA%			
Target Compounds							QValue
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	4.889	63.0	0		µg/L	md	1
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	0.000		0	N.D.			
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

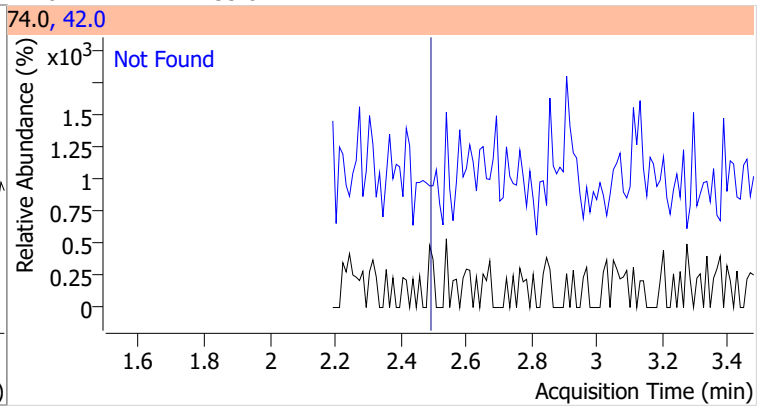
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	6.300	130.0	0		µg/L	md	1
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	0.000		0	N.D.			
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	0.000		0	N.D.			
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

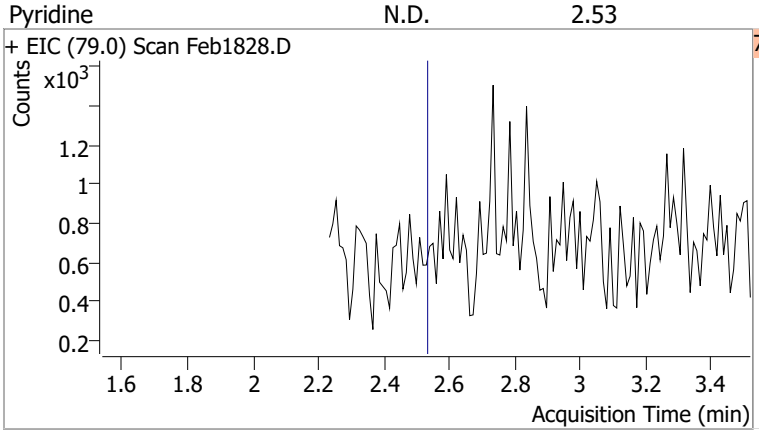
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

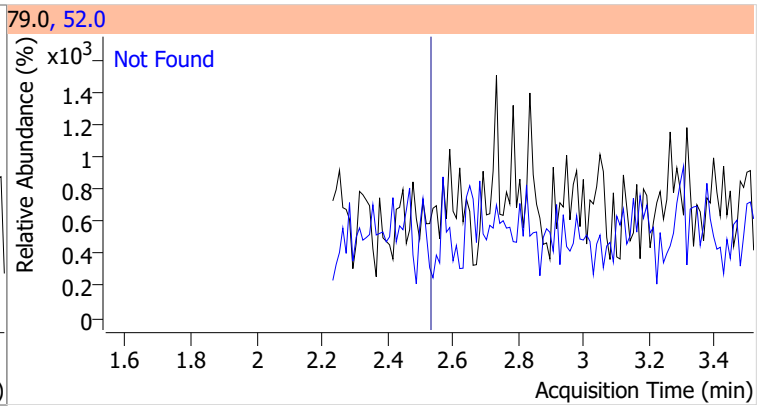
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



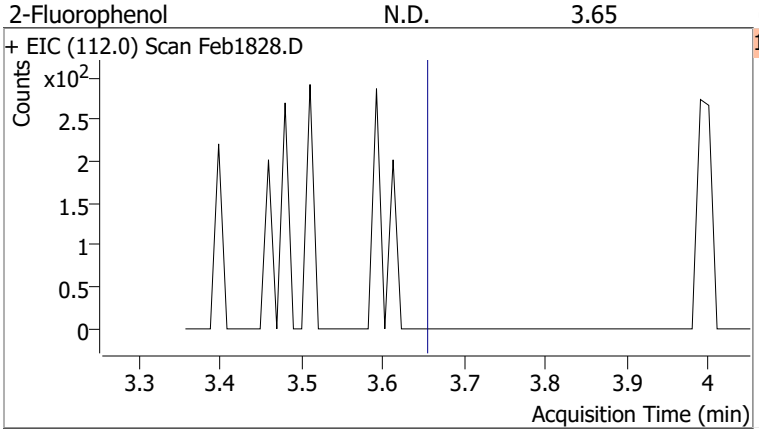


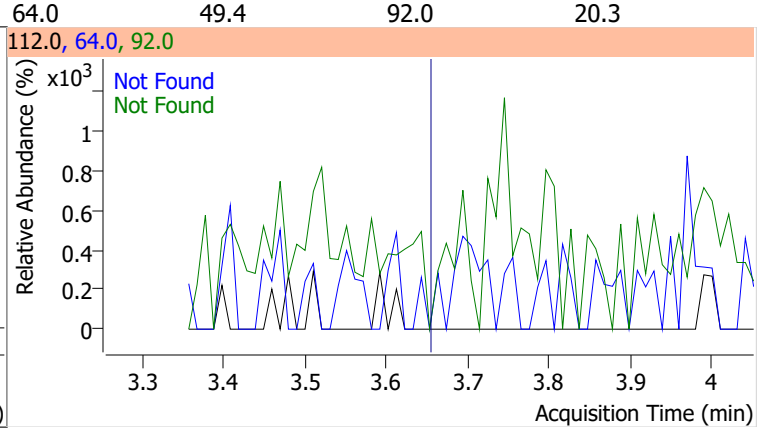
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7



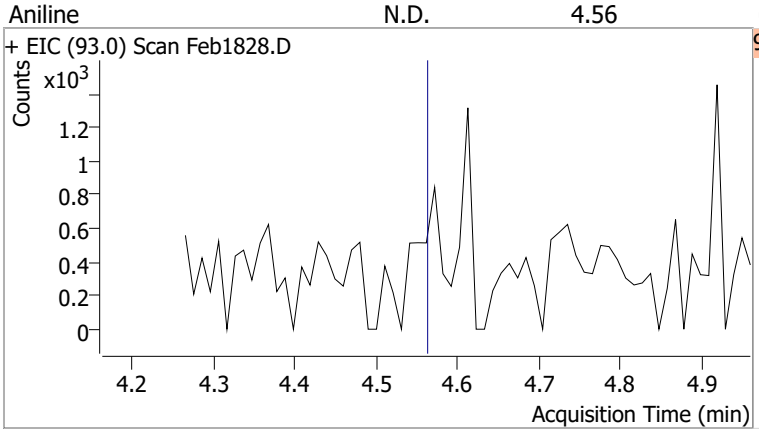


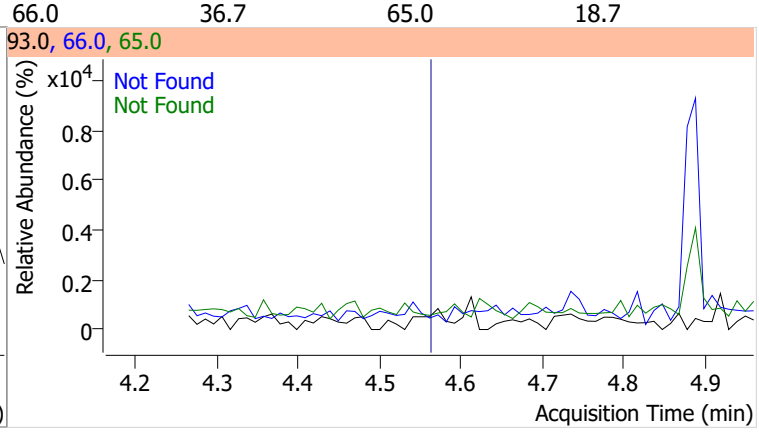
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Fluorophenol	N.D.	3.65	64.0	49.4	92.0	20.3



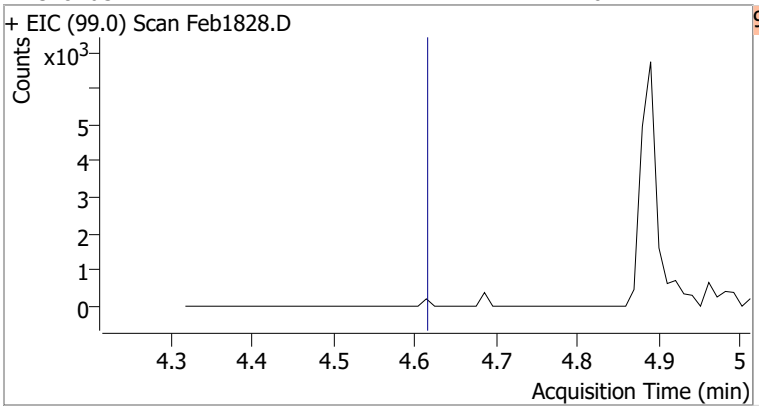


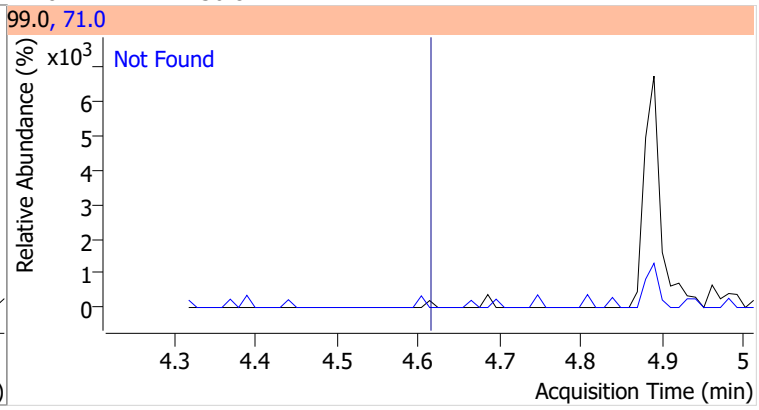
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7



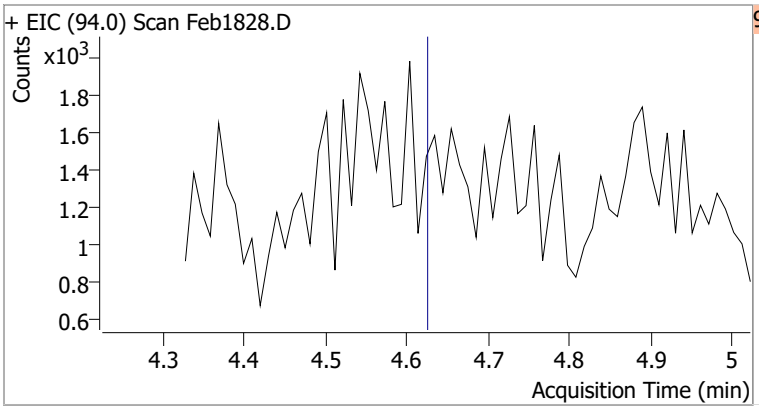


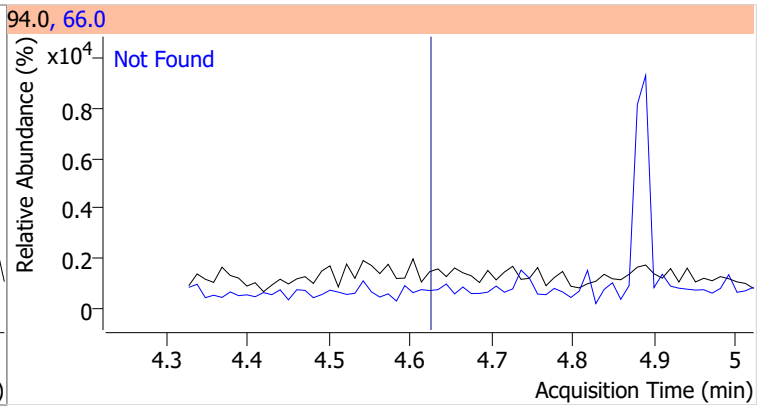
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol-d5	N.D.	4.61	71.0	36.8



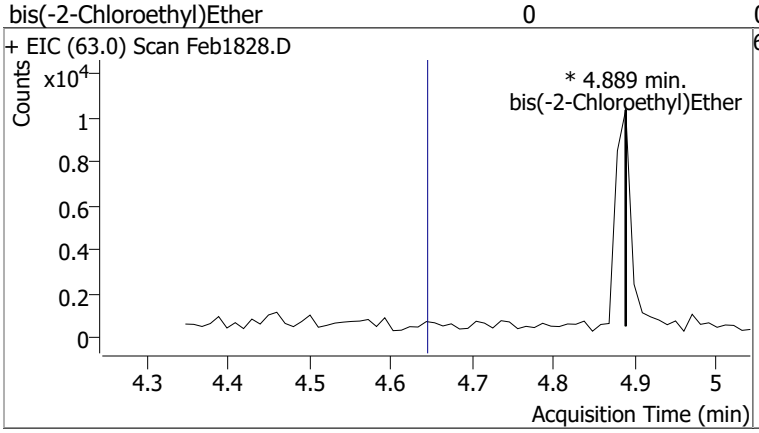


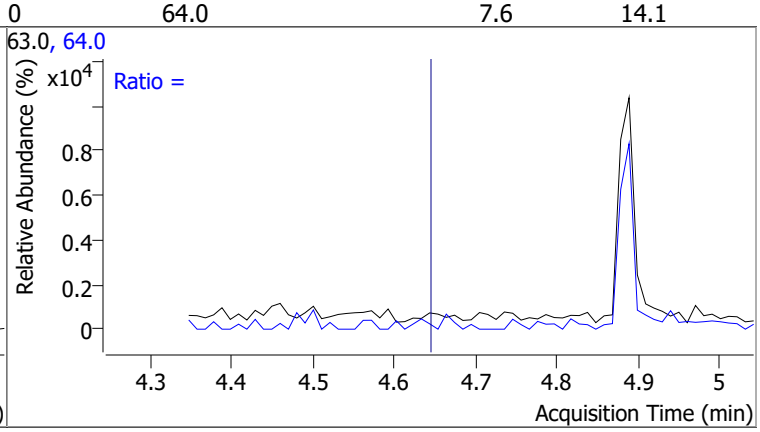
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



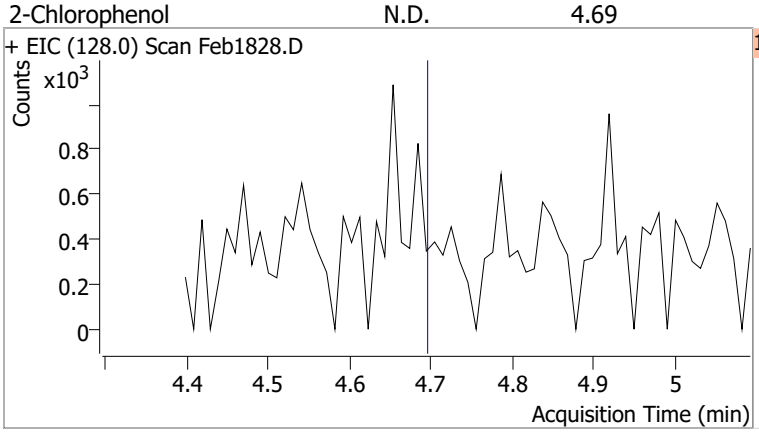


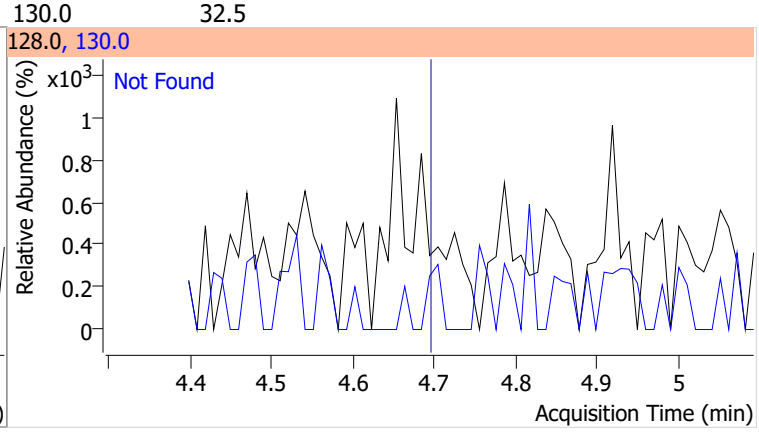
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether		0		0	64.0		7.6	14.1



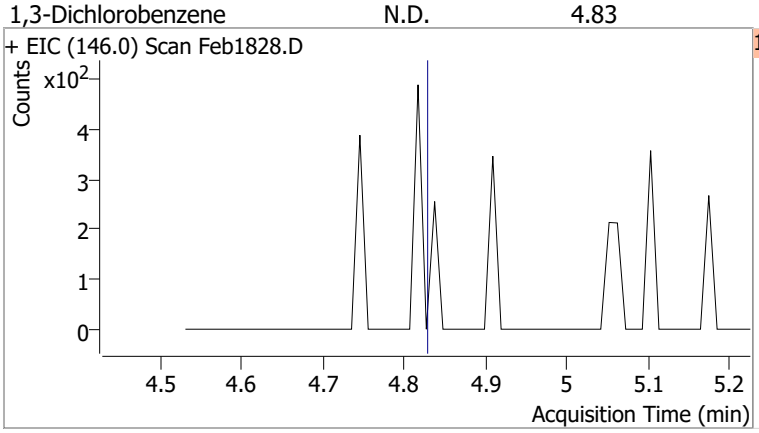


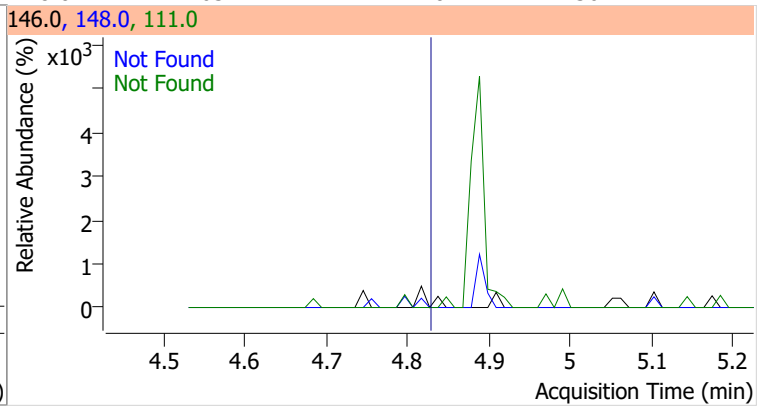
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



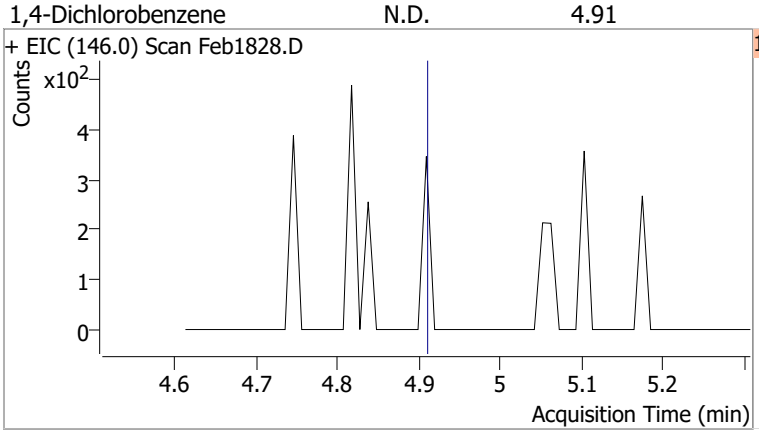


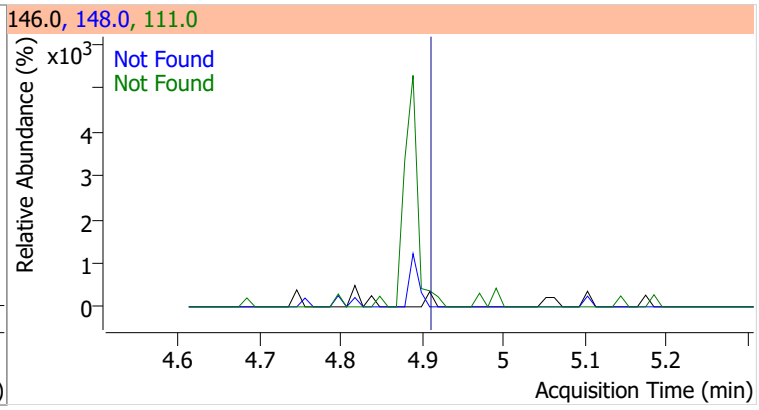
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



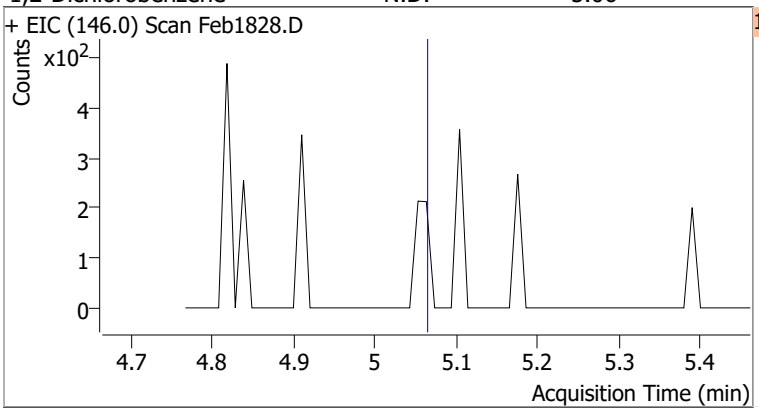


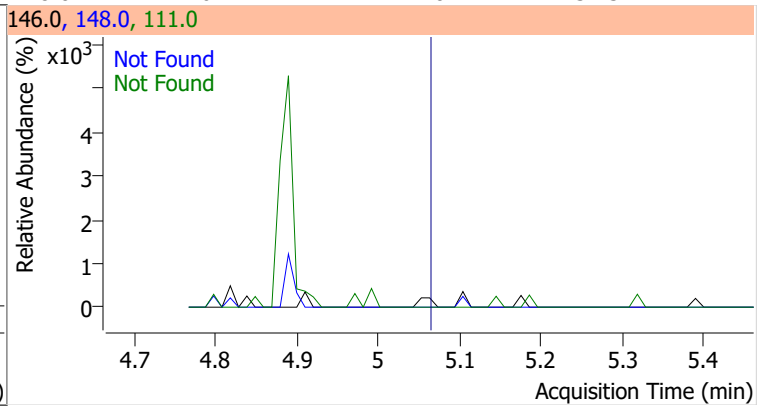
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



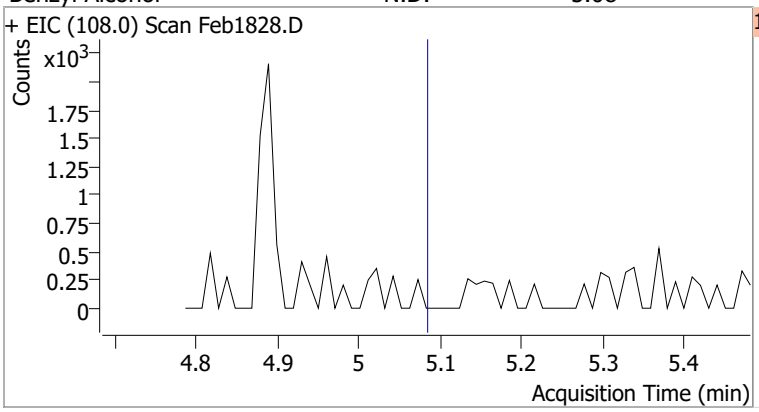


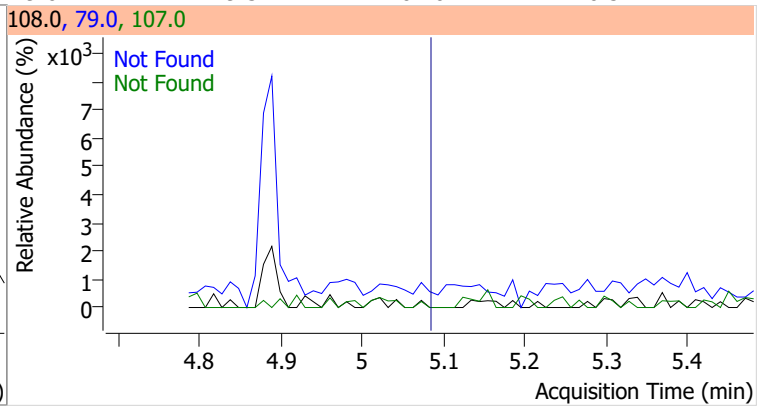
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



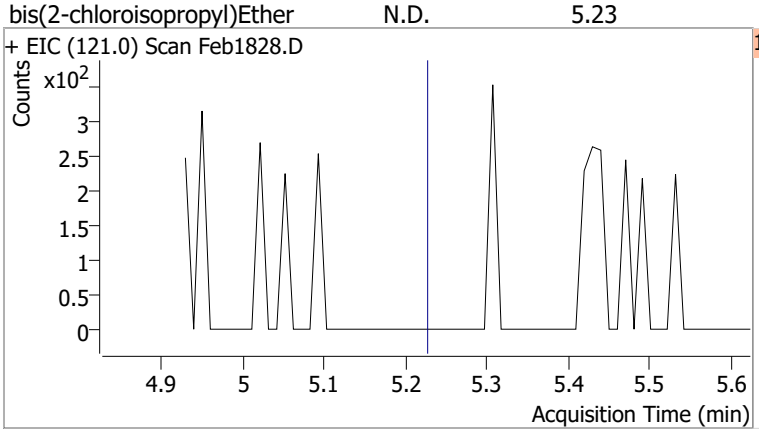


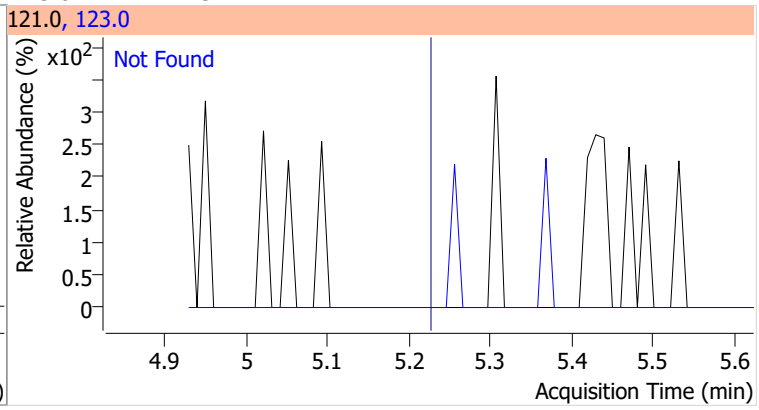
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



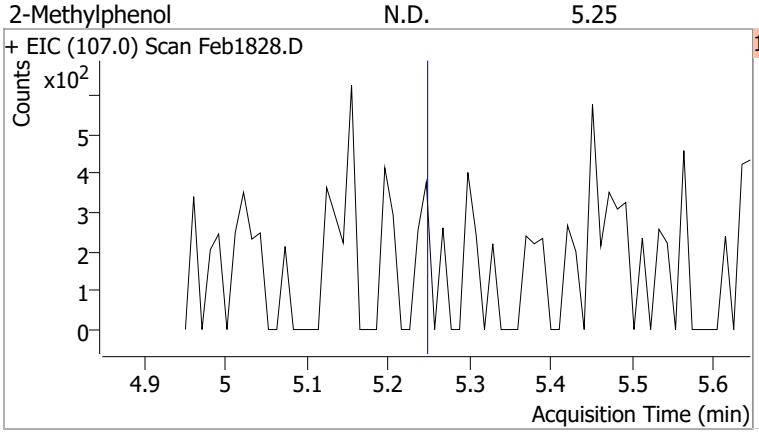


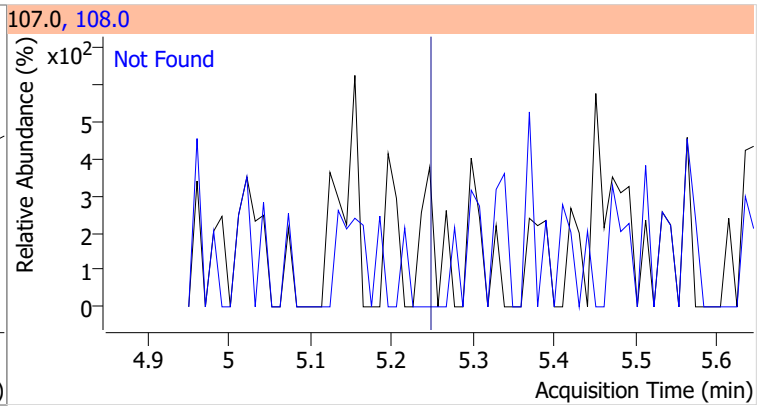
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



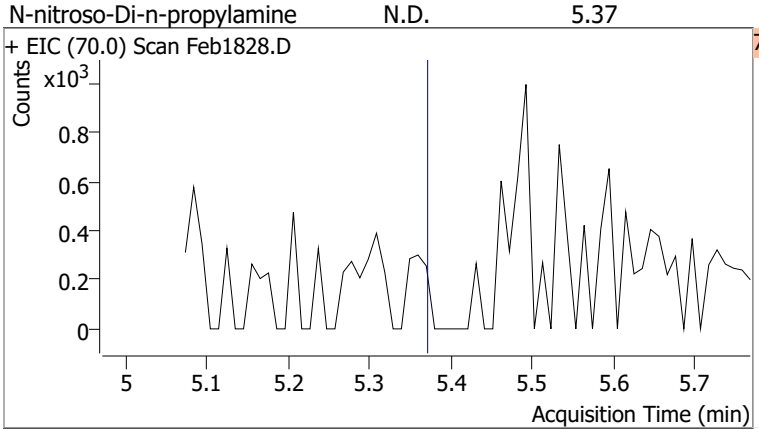


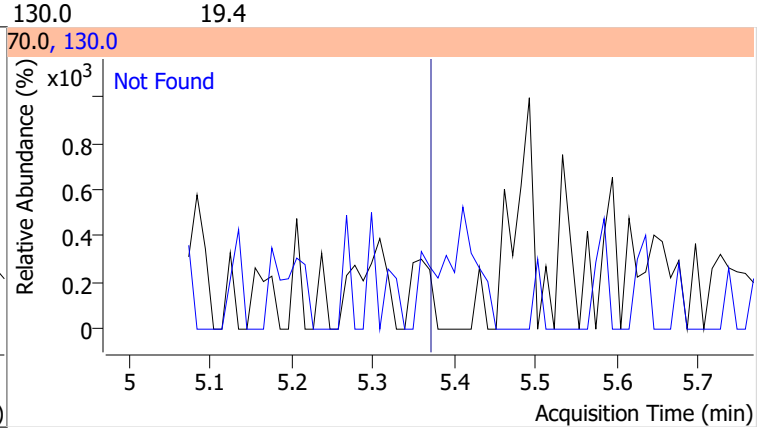
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



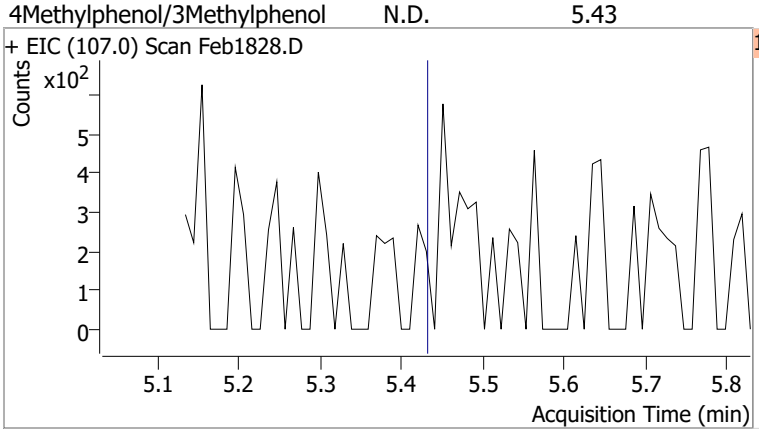


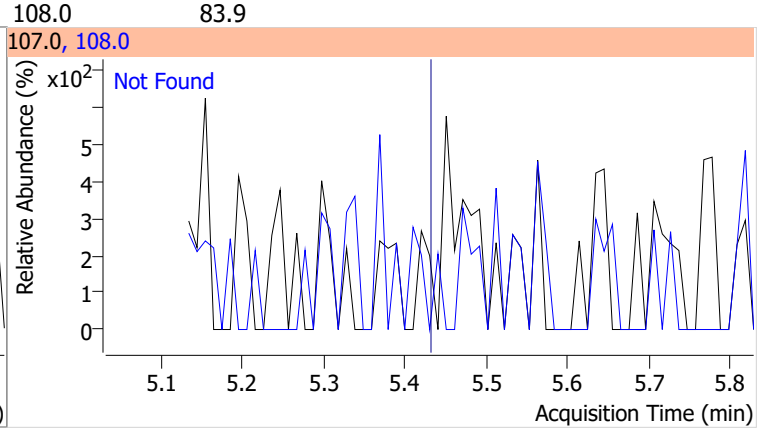
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-nitroso-Di-n-propylamine	N.D.	5.37	130.0	19.4



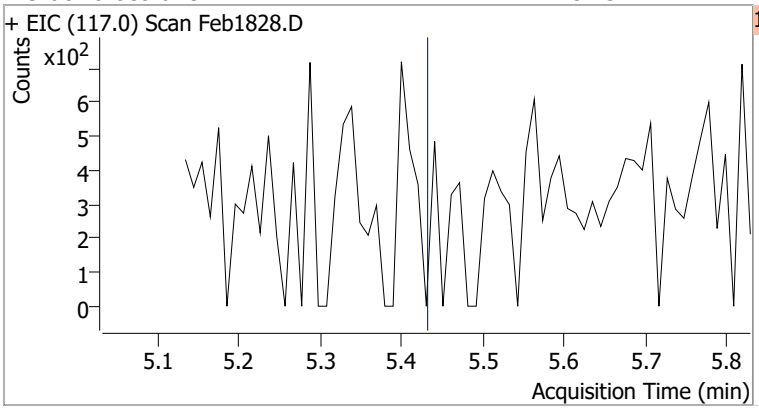


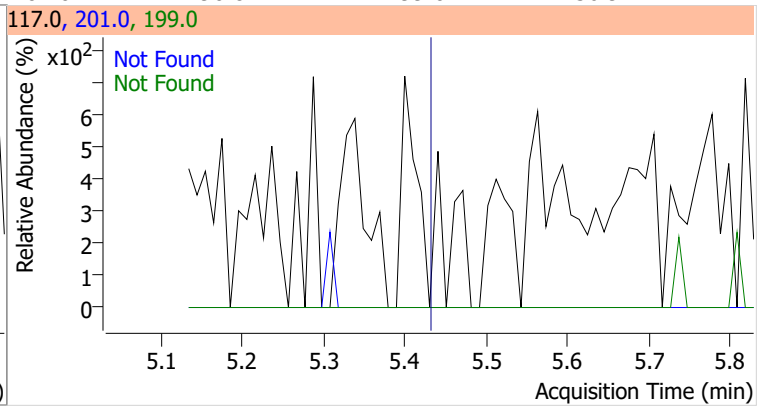
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



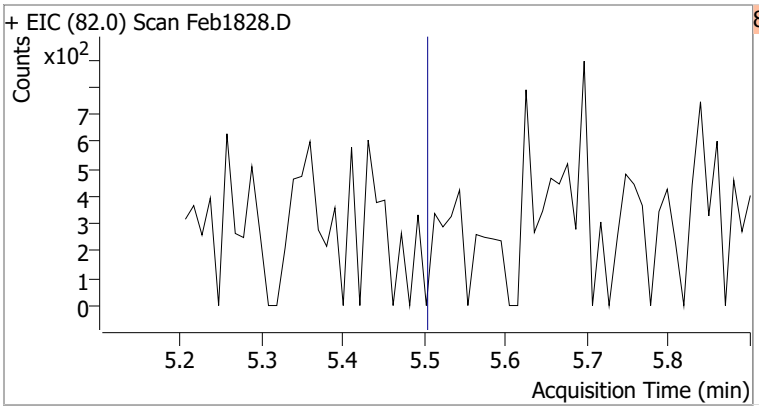


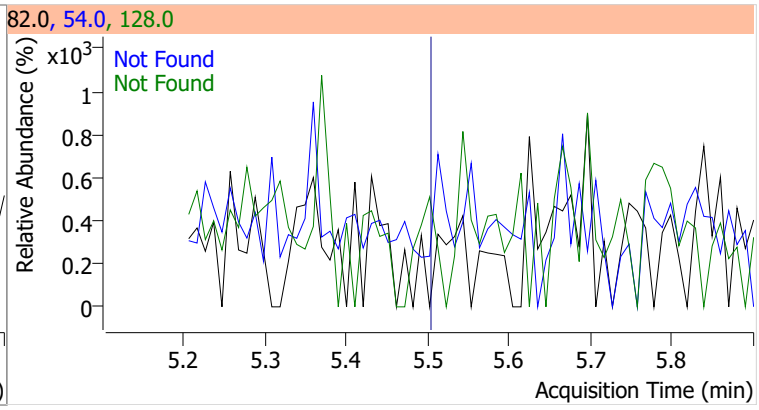
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9



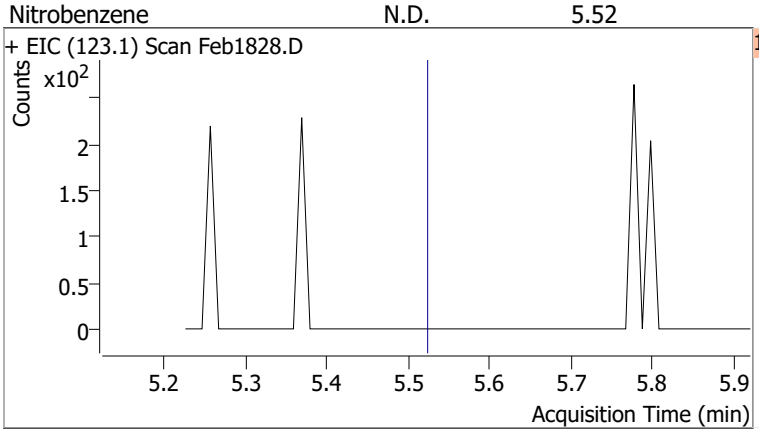


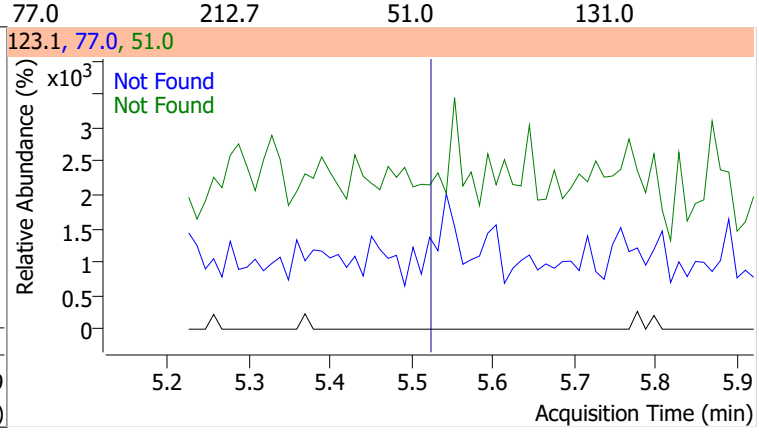
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene-d5	N.D.	5.50	54.0	66.2	128.0	48.7



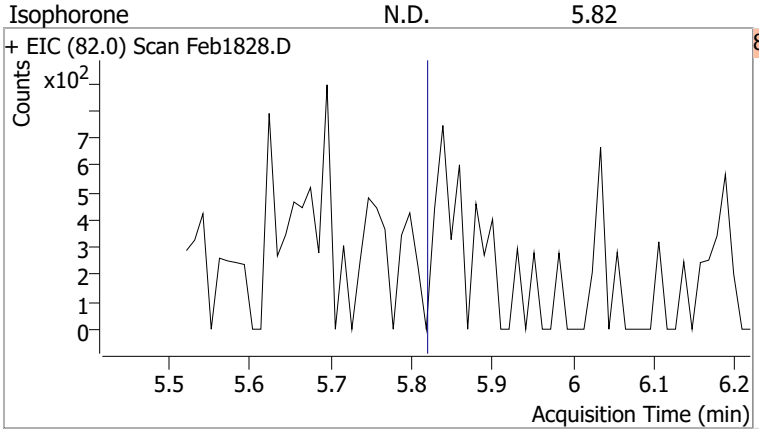


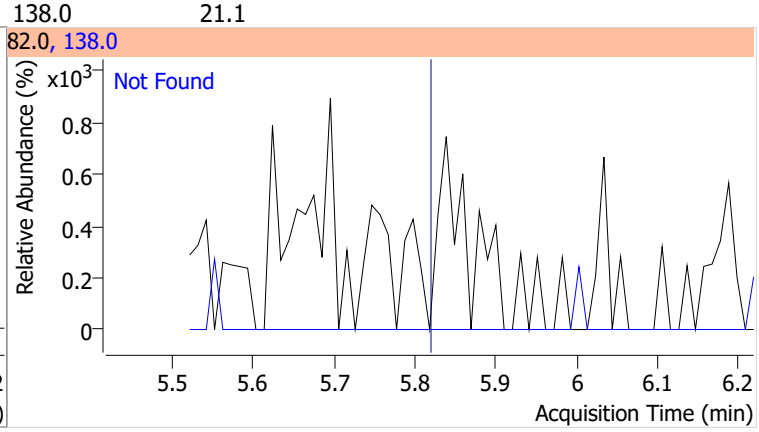
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



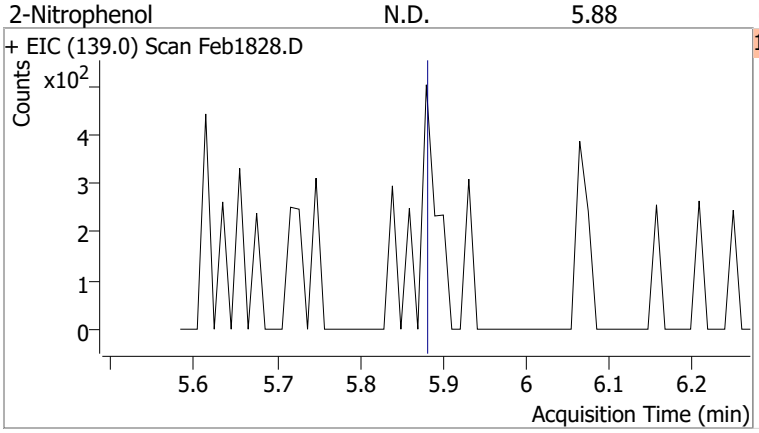


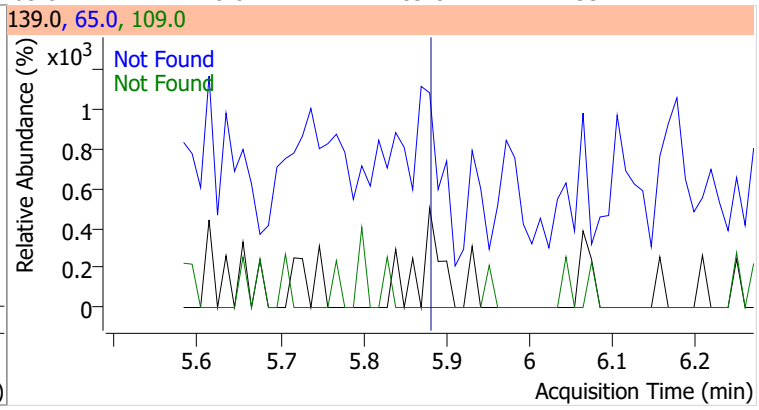
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



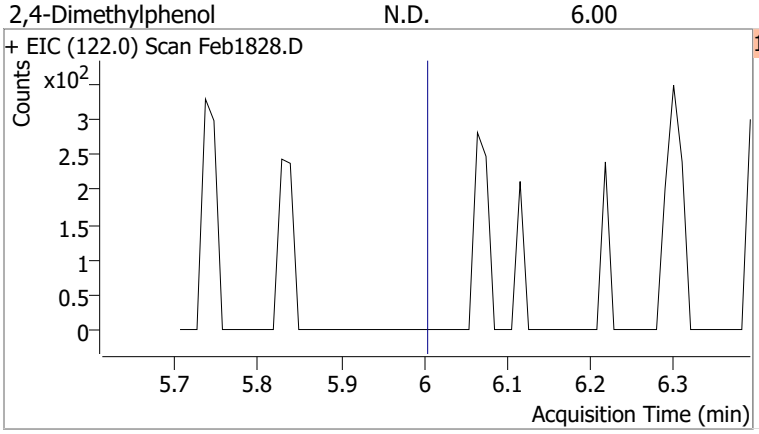


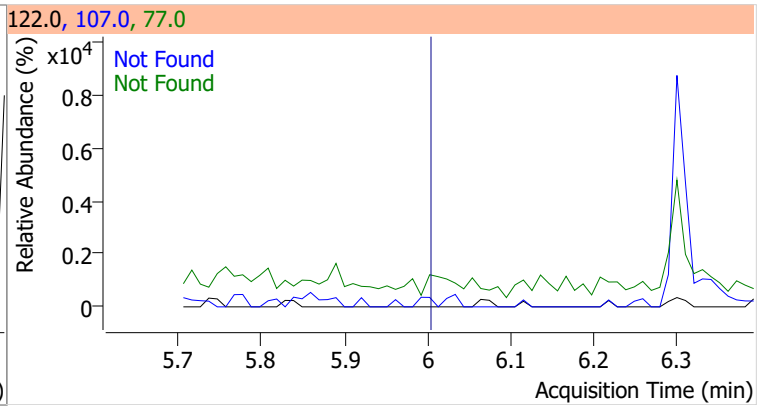
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



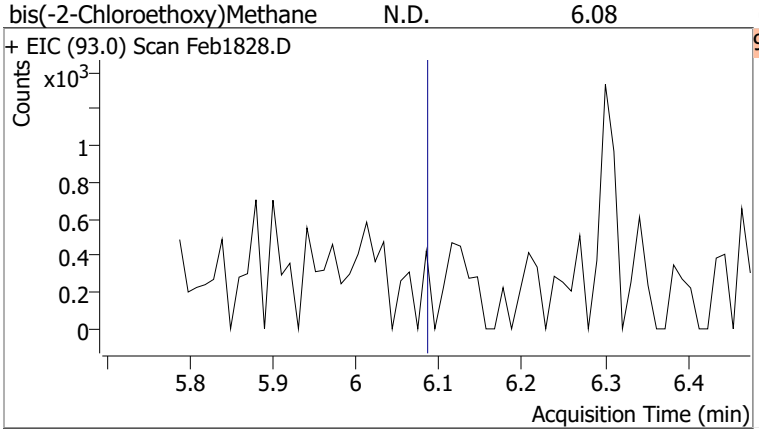


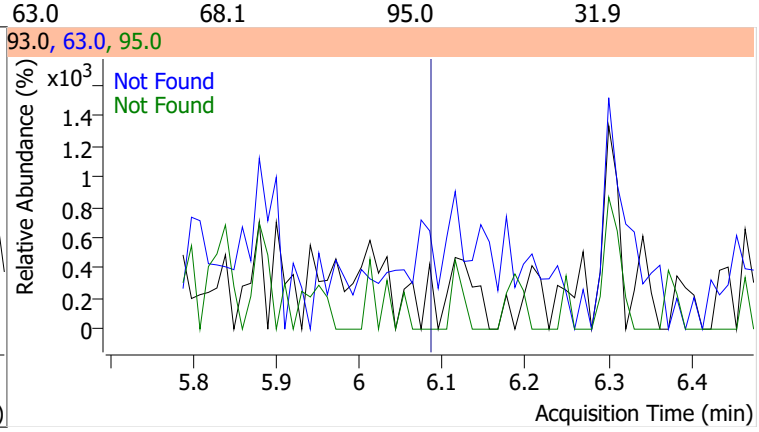
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



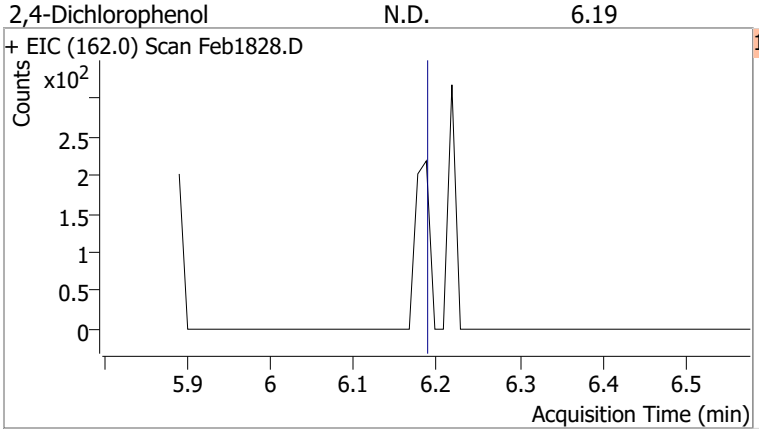


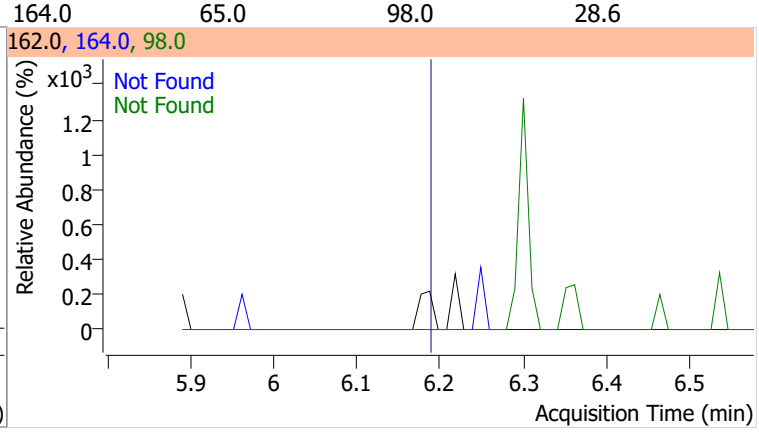
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



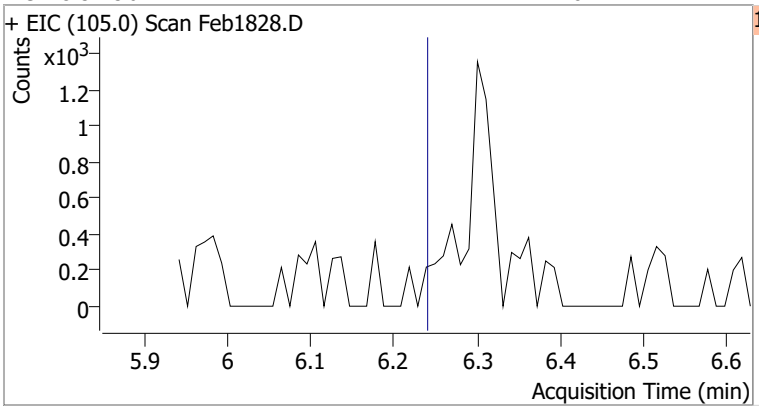


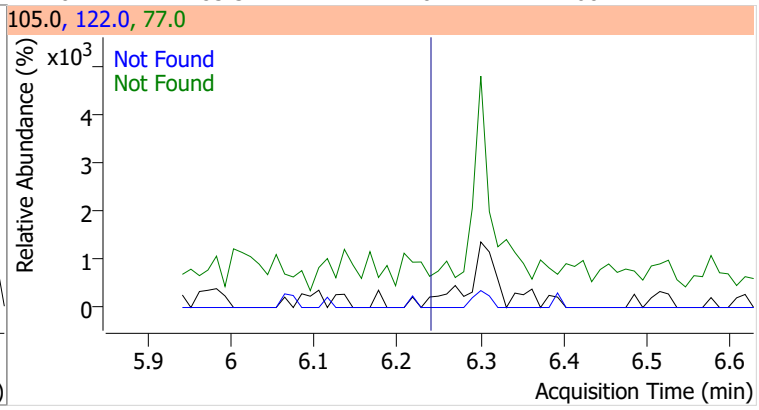
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



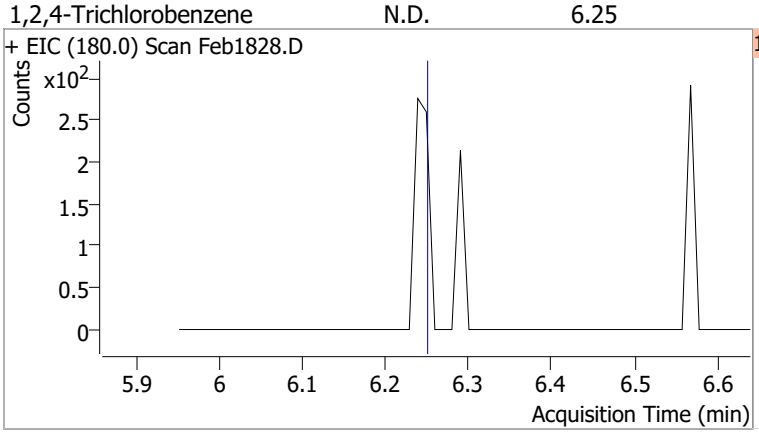


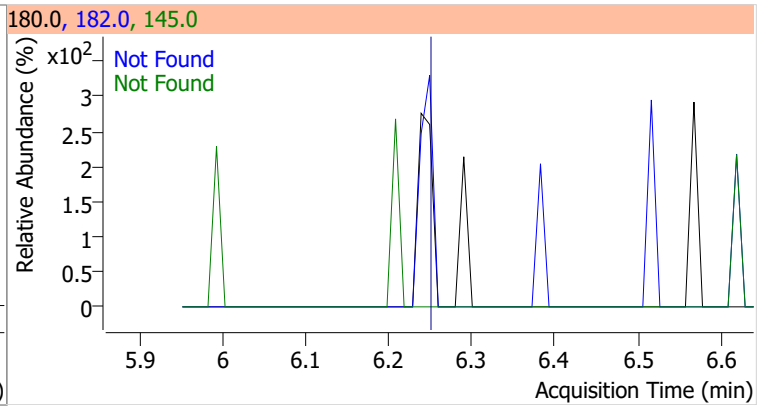
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



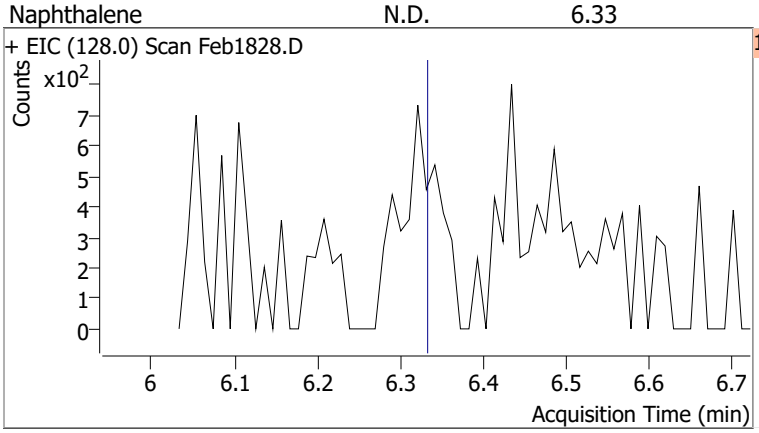


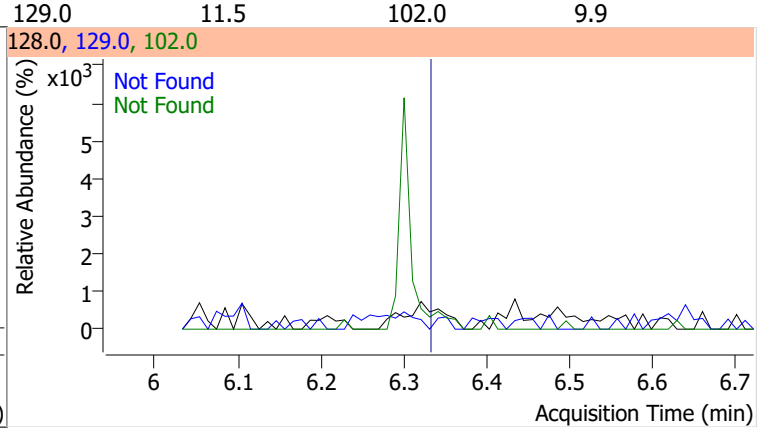
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



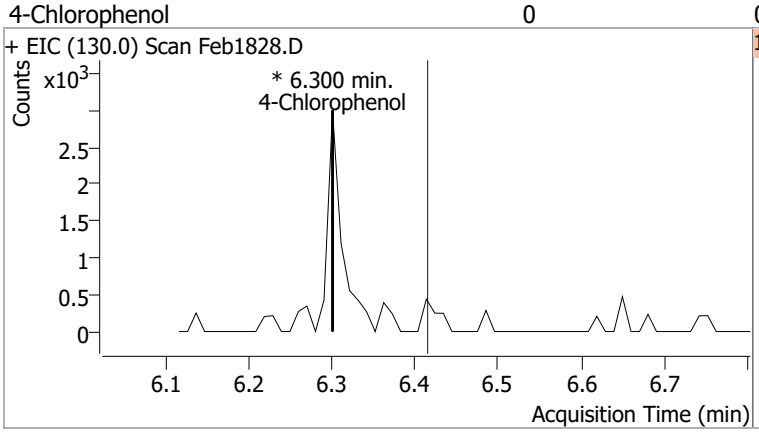


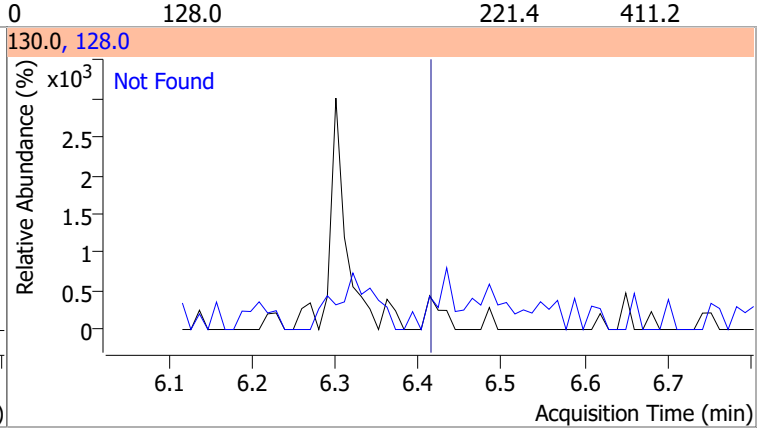
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



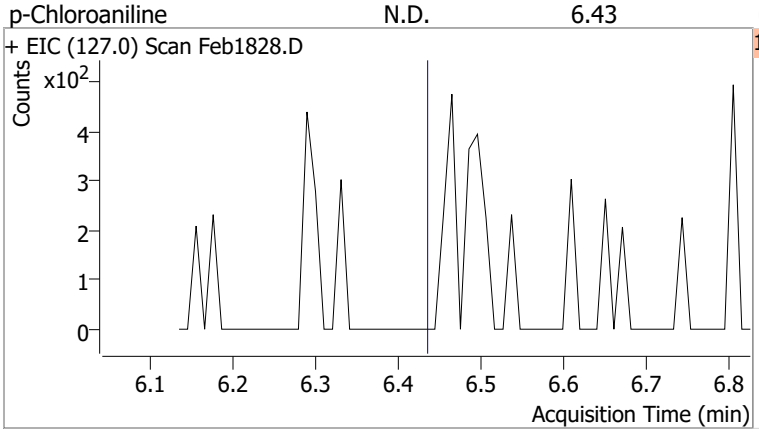


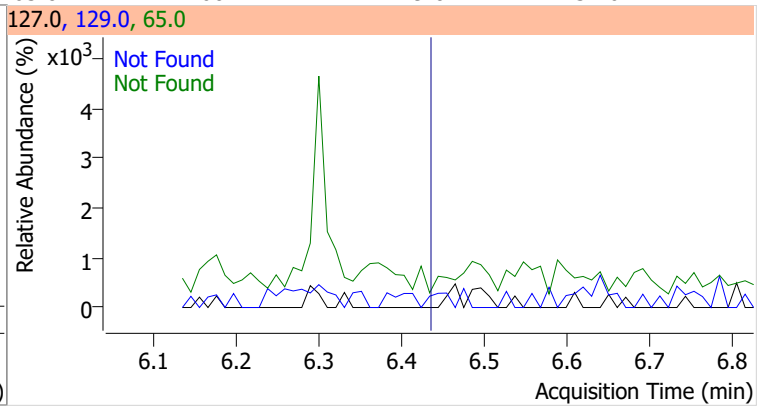
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol		0		0	128.0		221.4	411.2



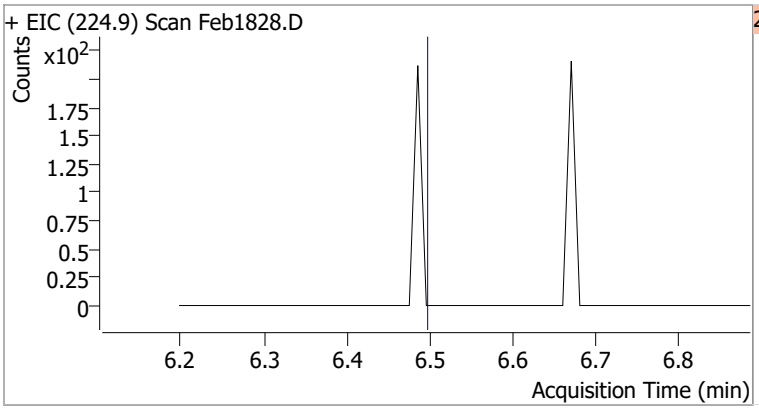


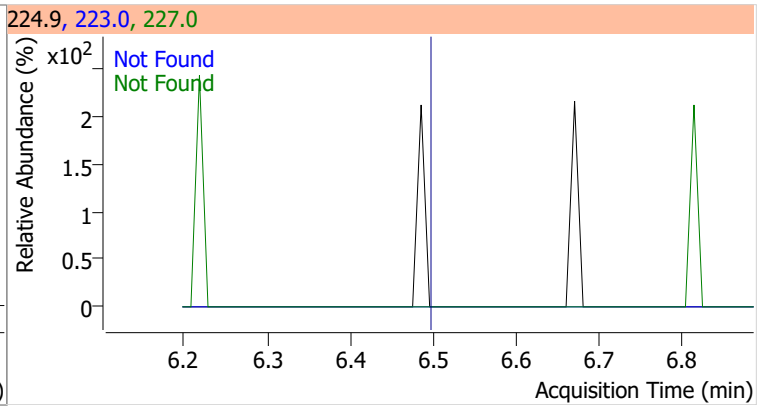
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



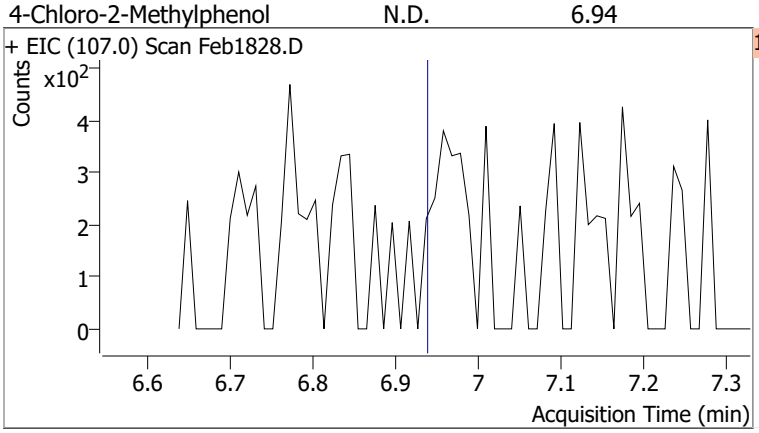


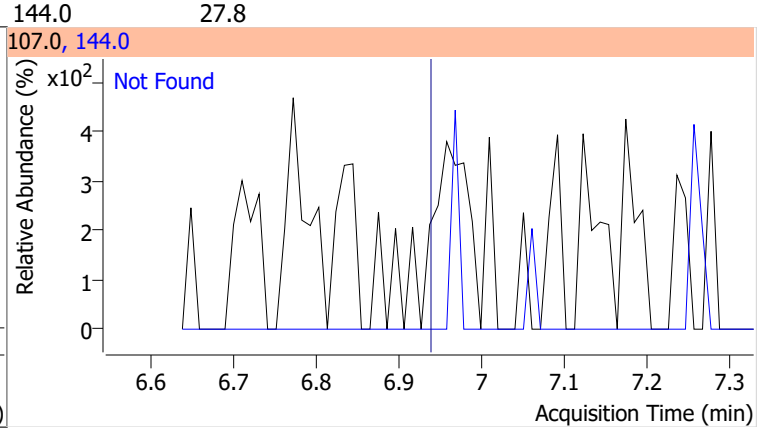
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



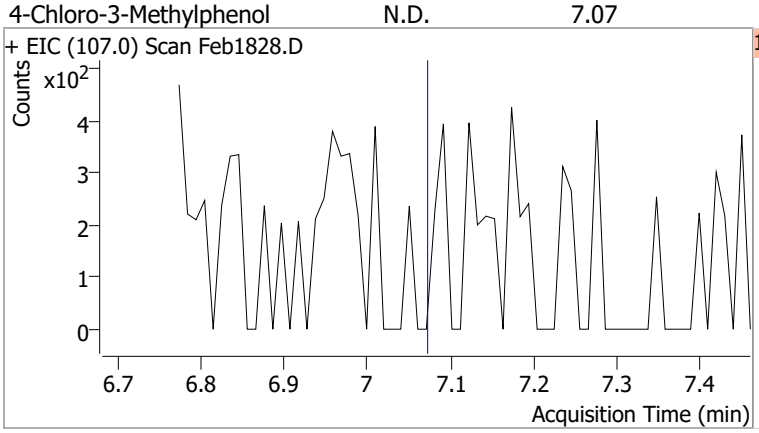


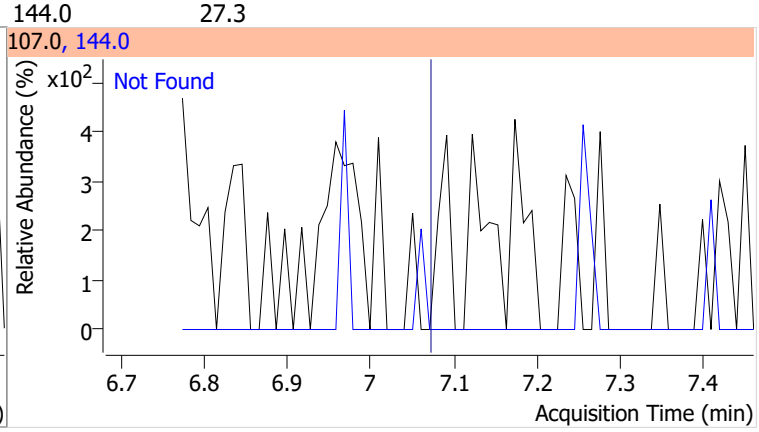
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



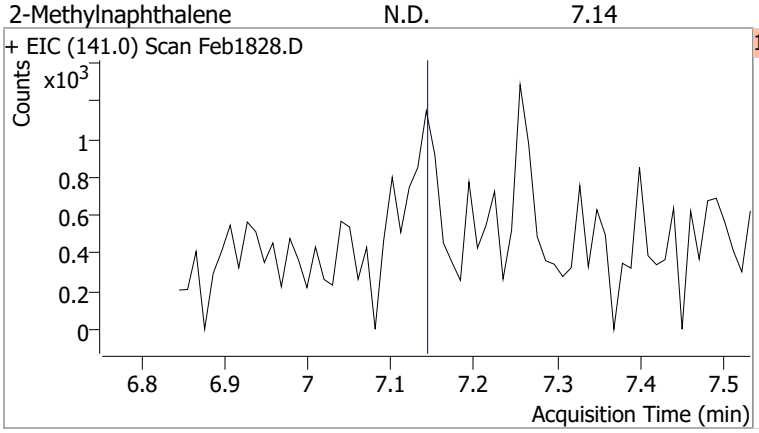


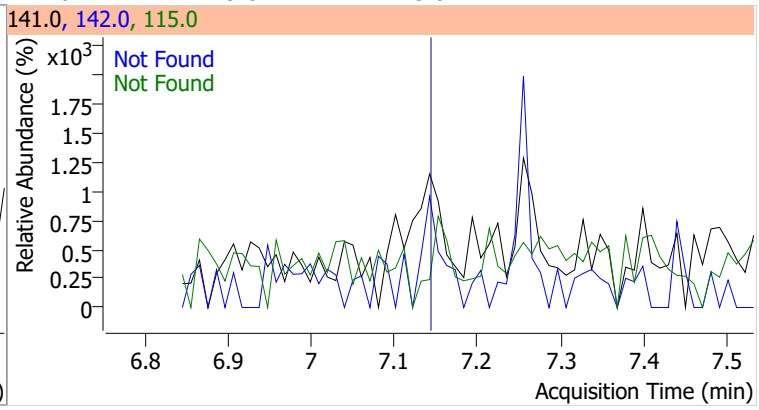
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



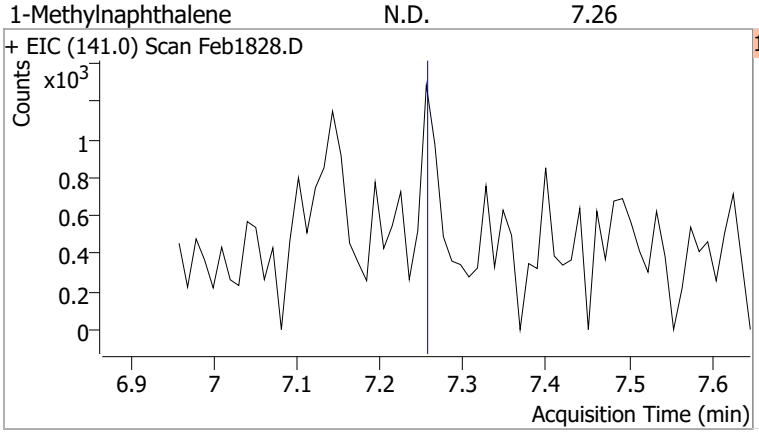


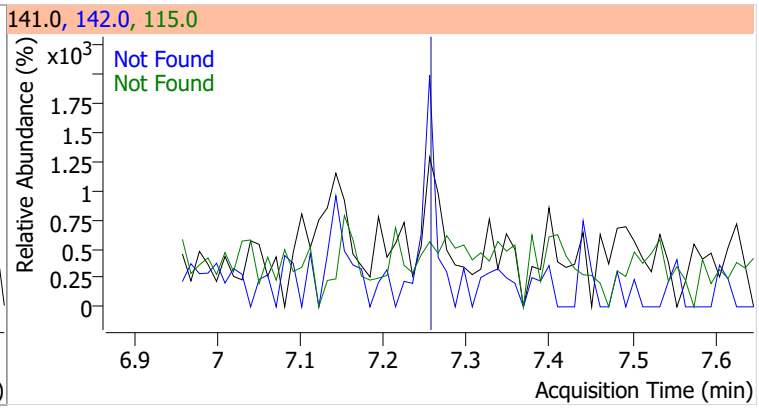
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



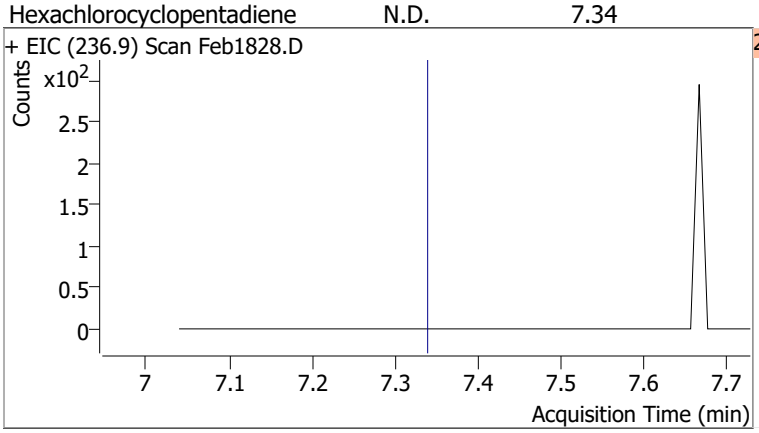


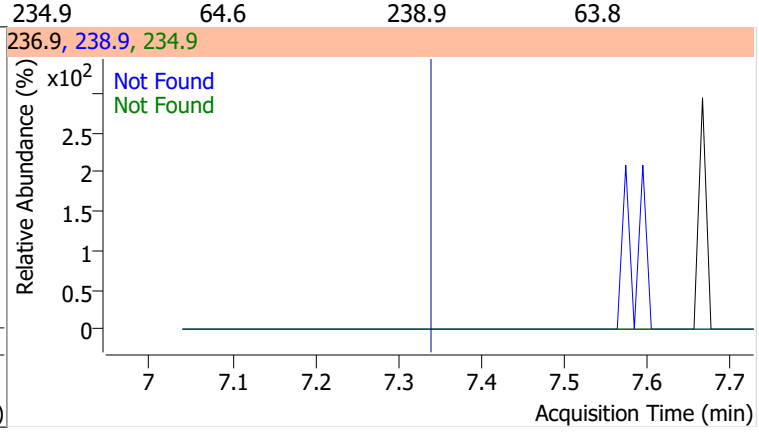
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



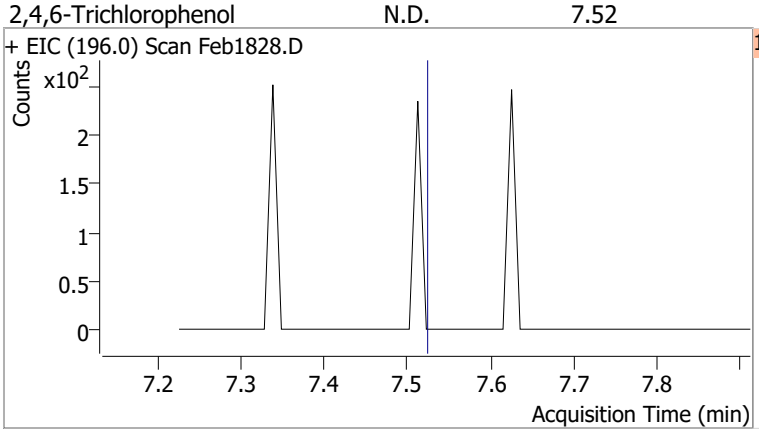


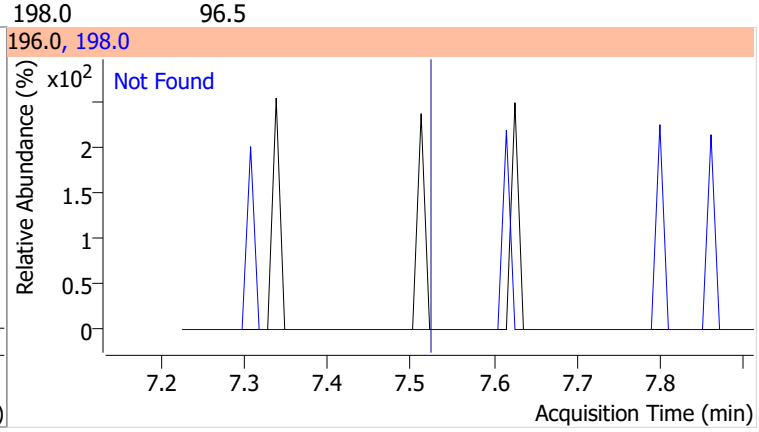
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



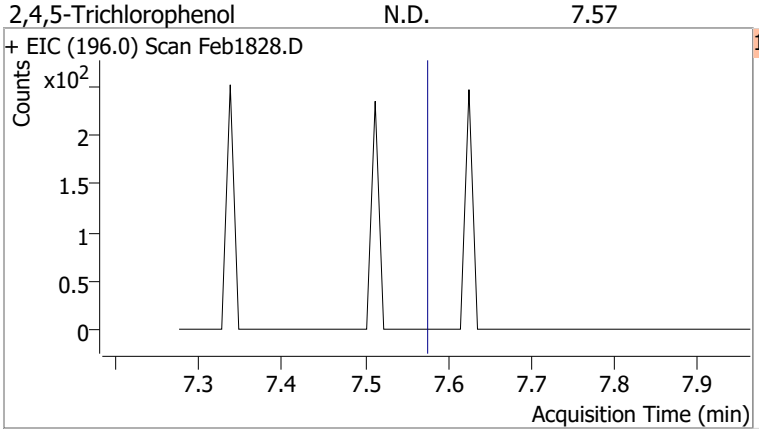


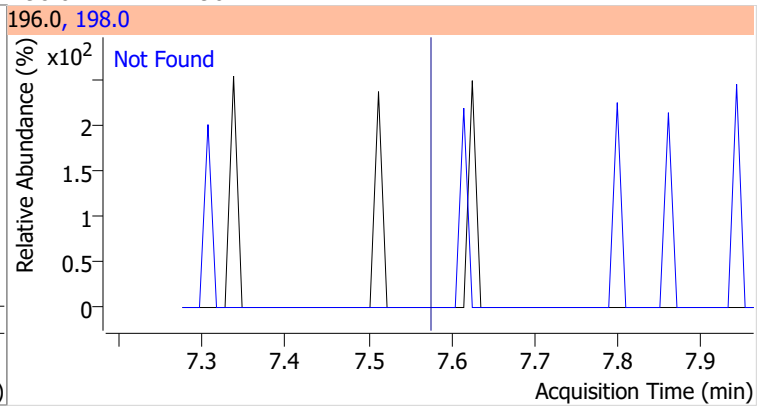
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



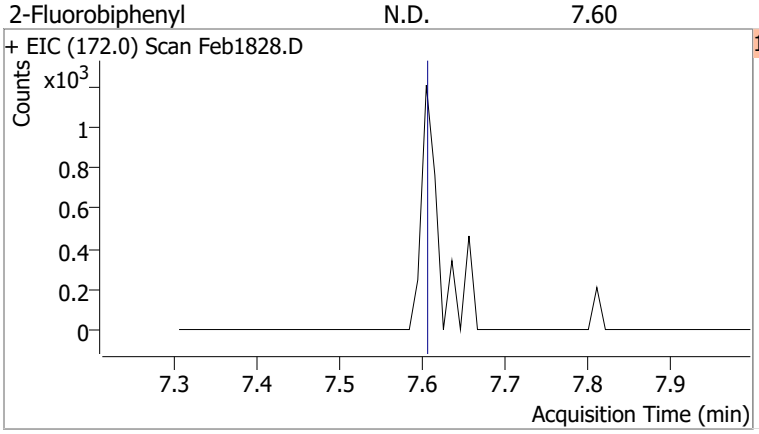


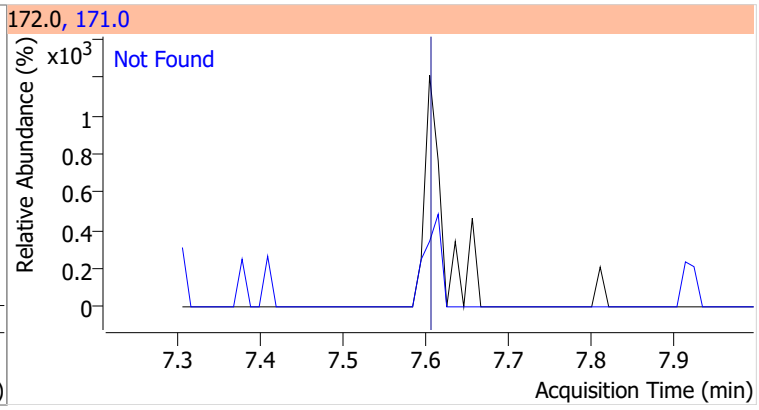
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2



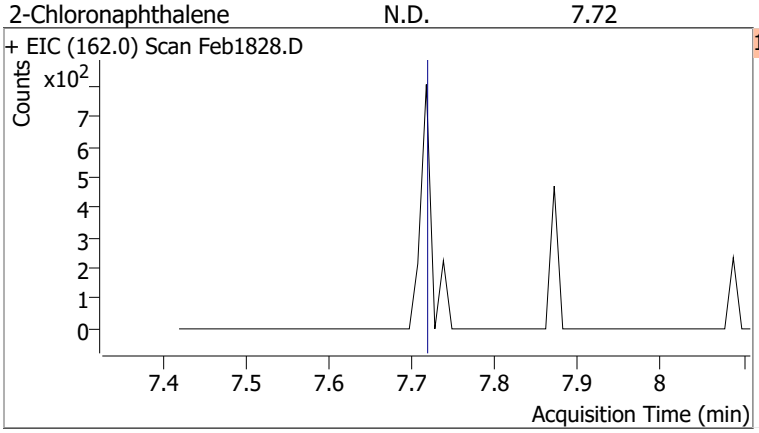


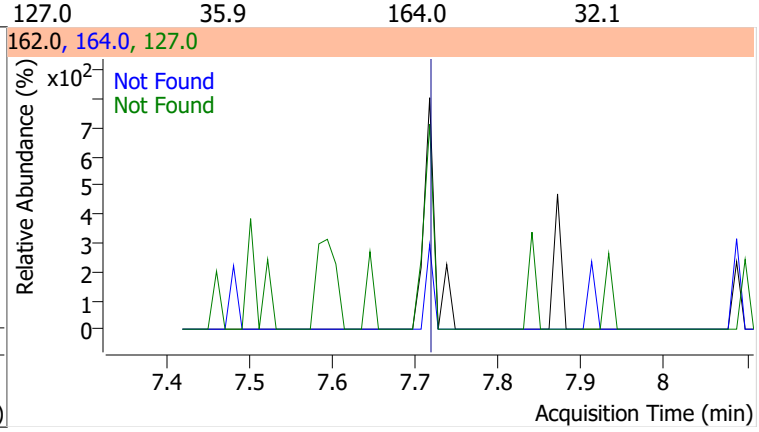
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Fluorobiphenyl	N.D.	7.60	171.0	34.3



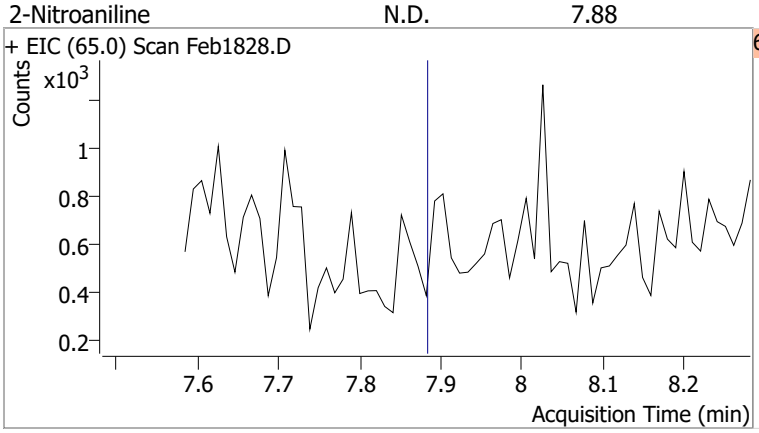


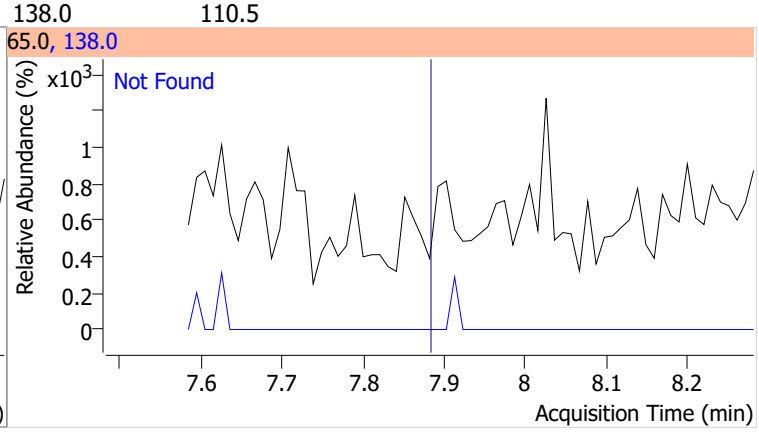
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



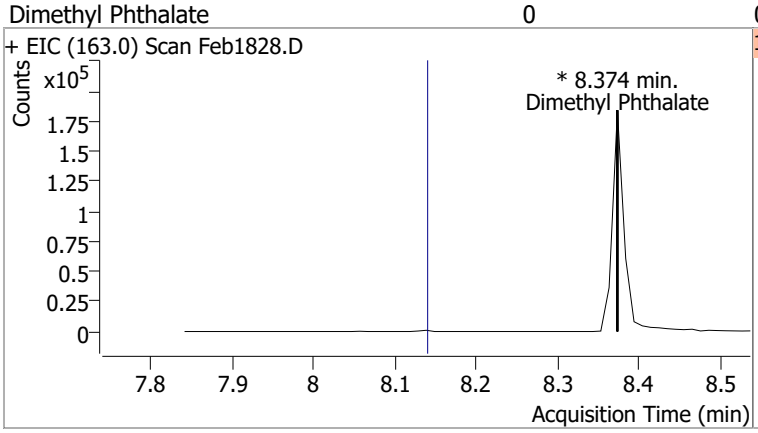


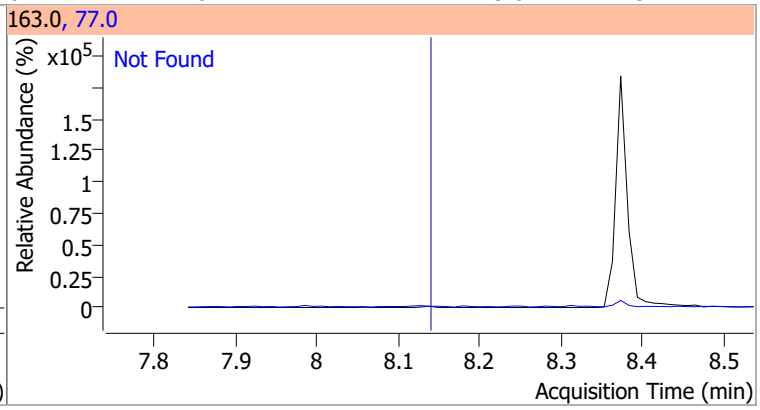
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



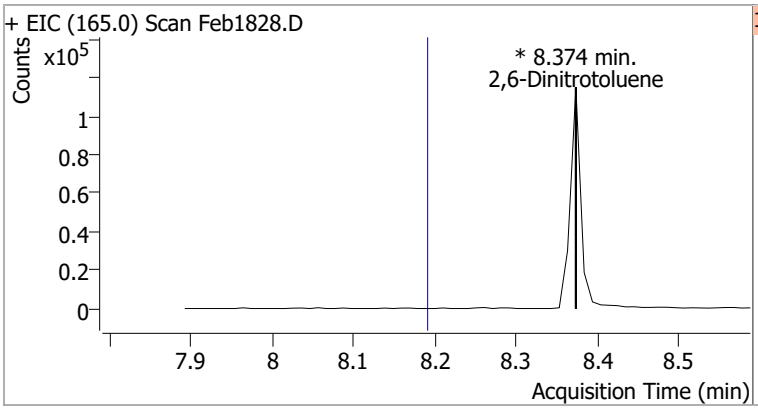


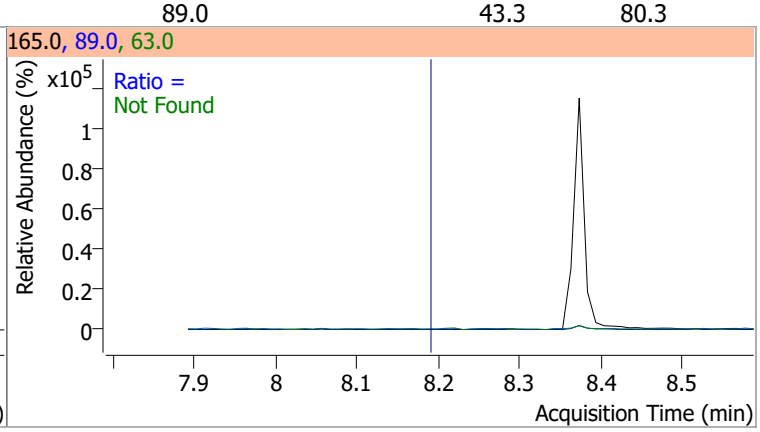
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



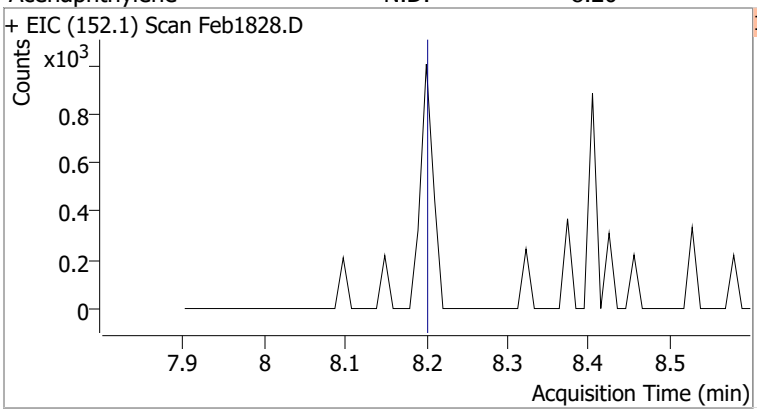


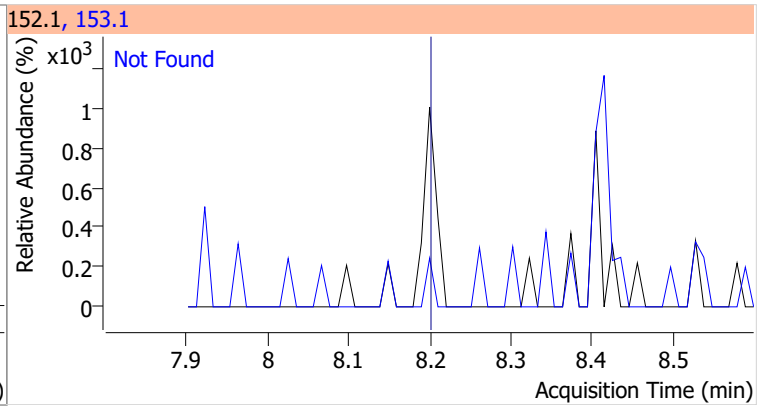
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



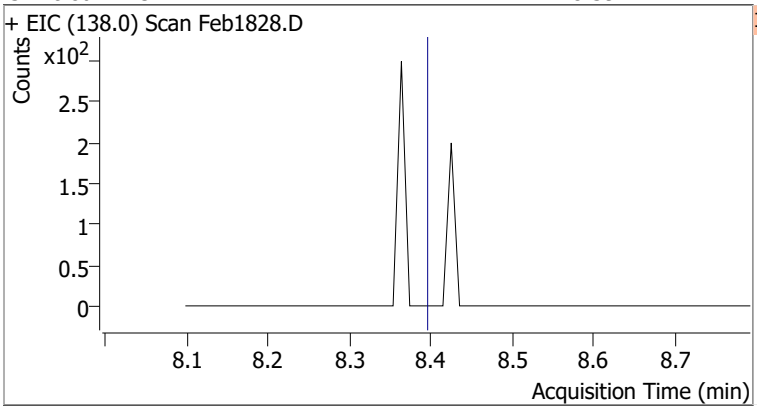


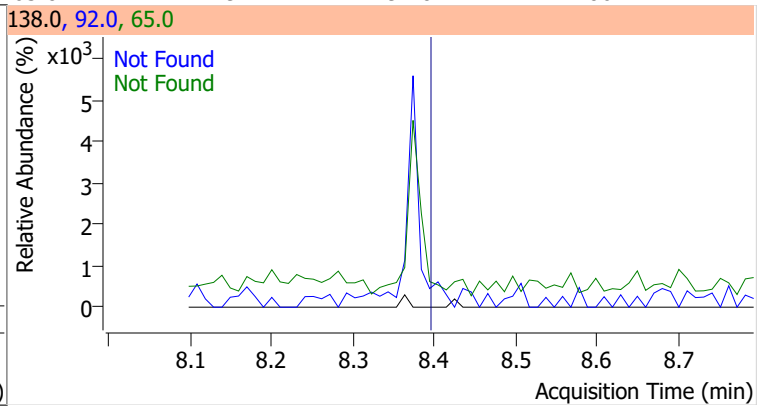
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



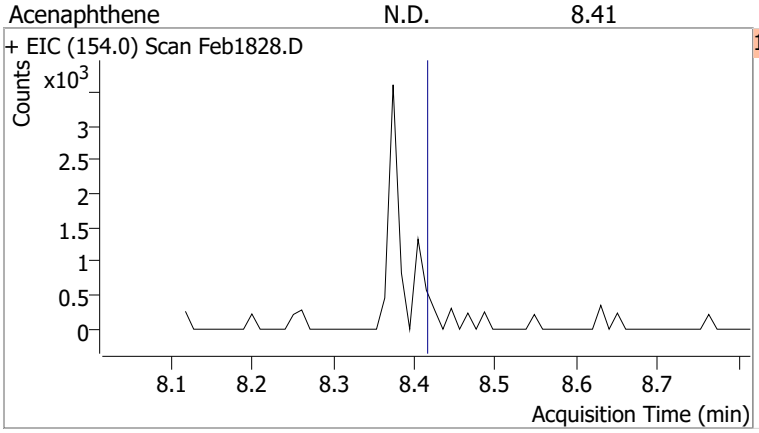


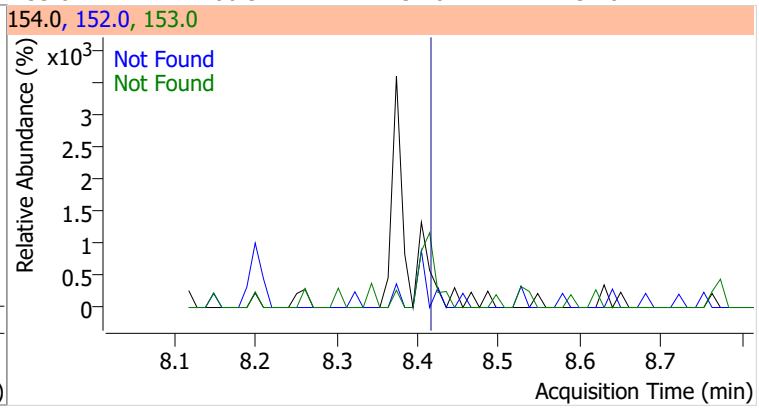
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



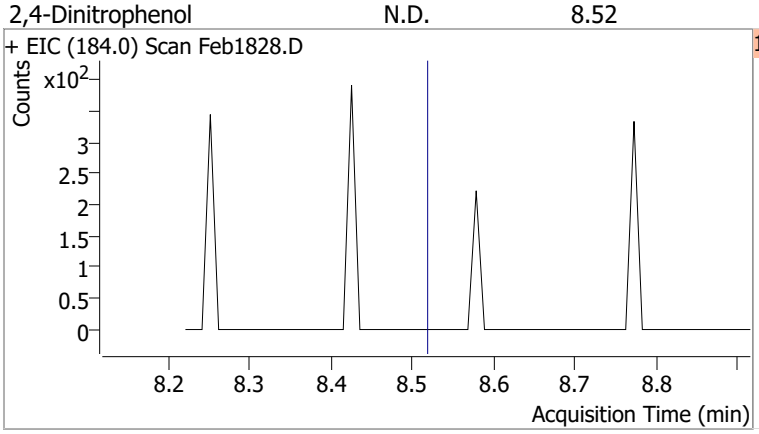


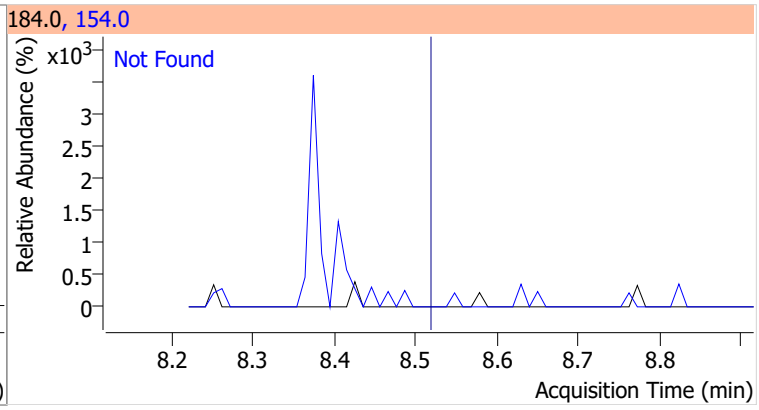
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



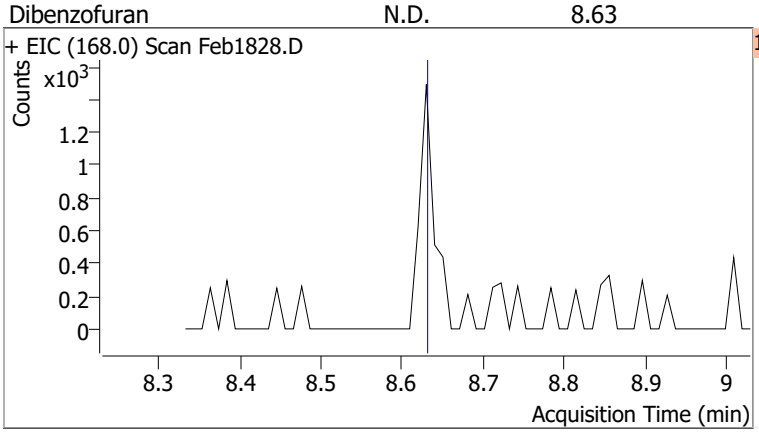


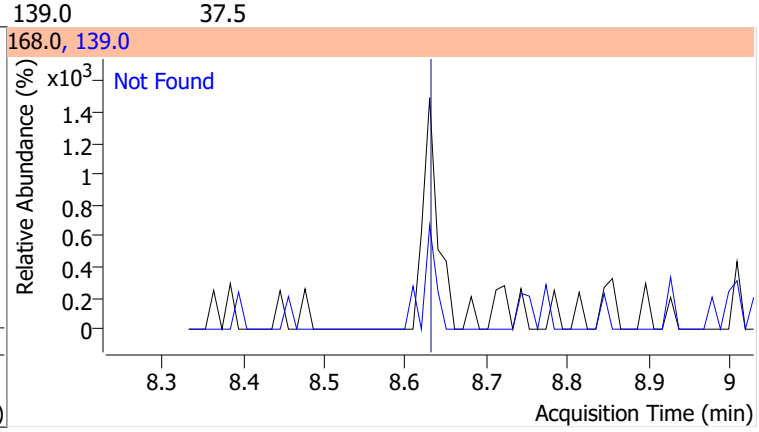
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



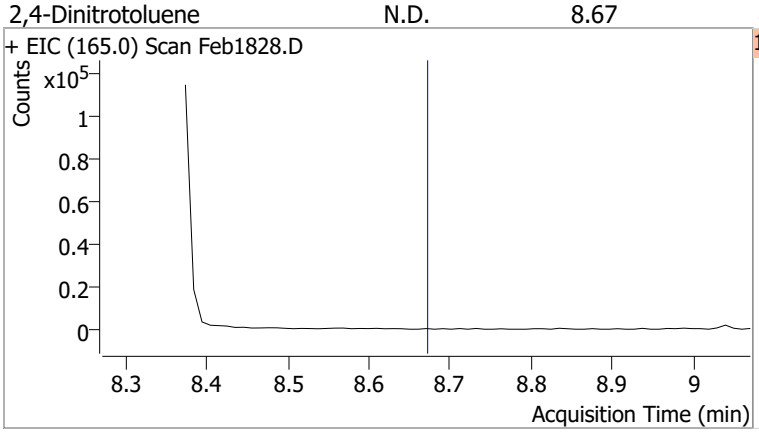


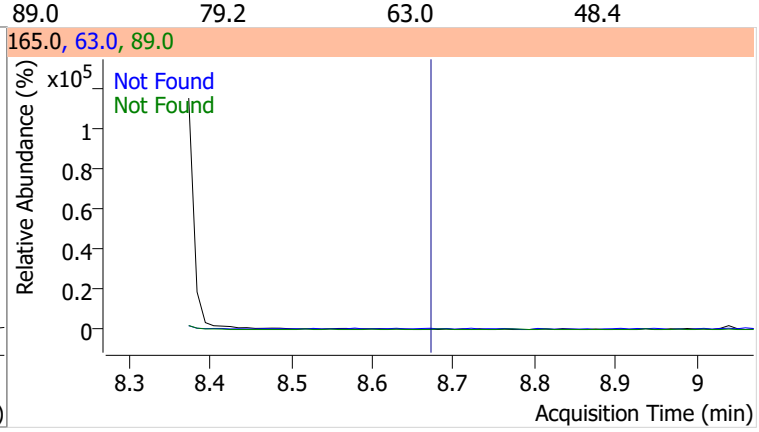
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



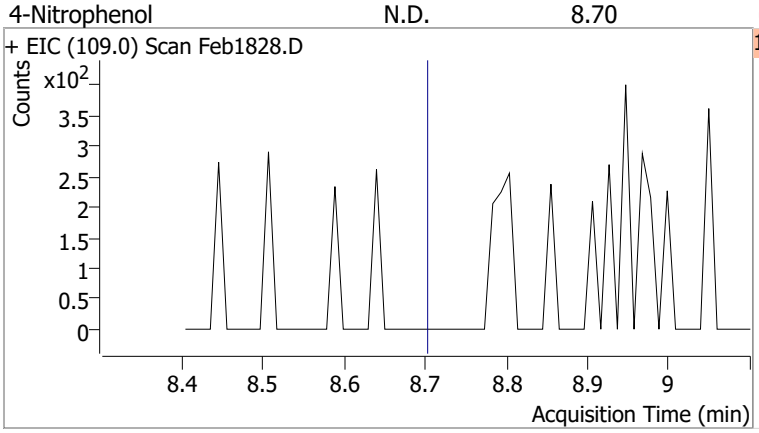


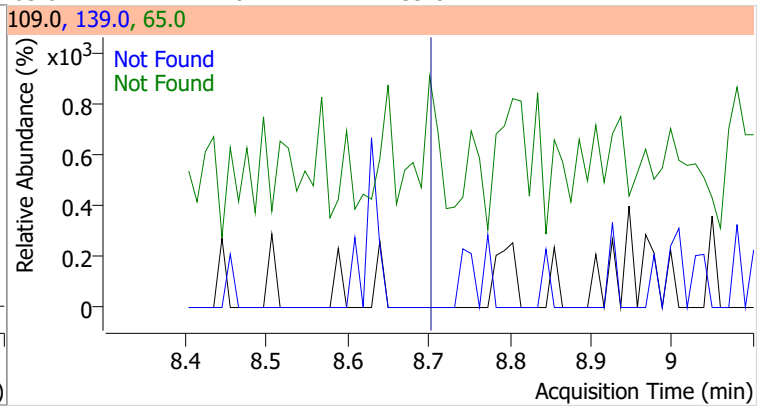
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



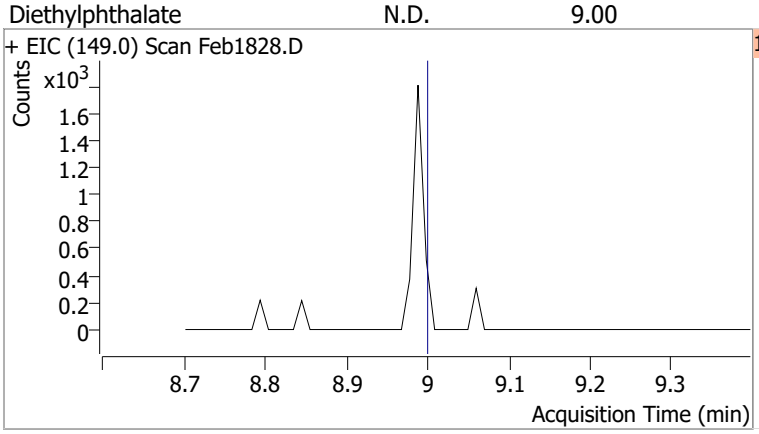


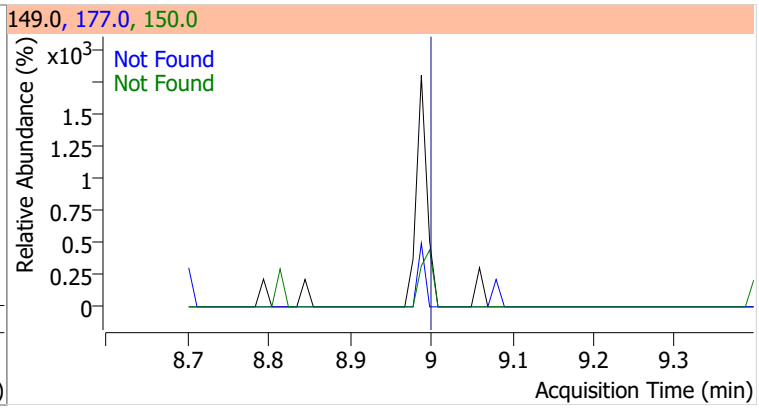
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



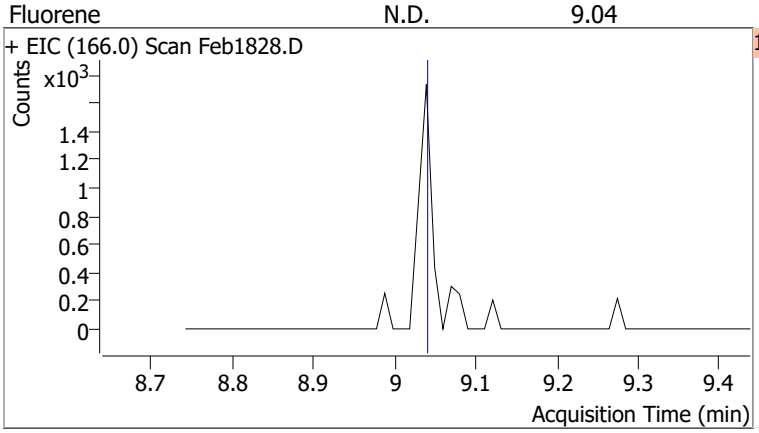


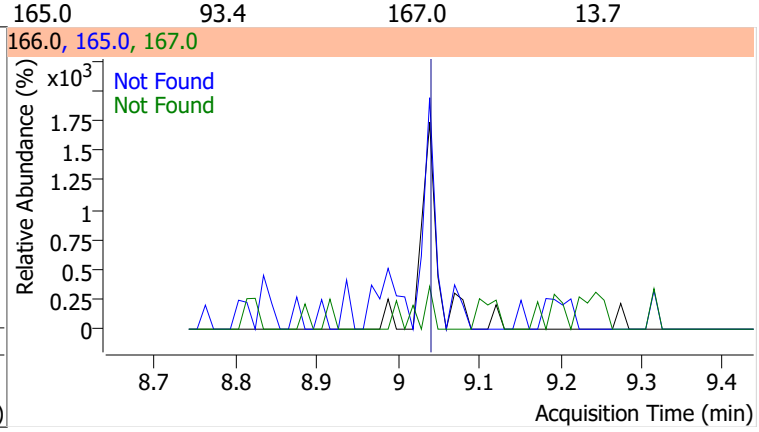
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



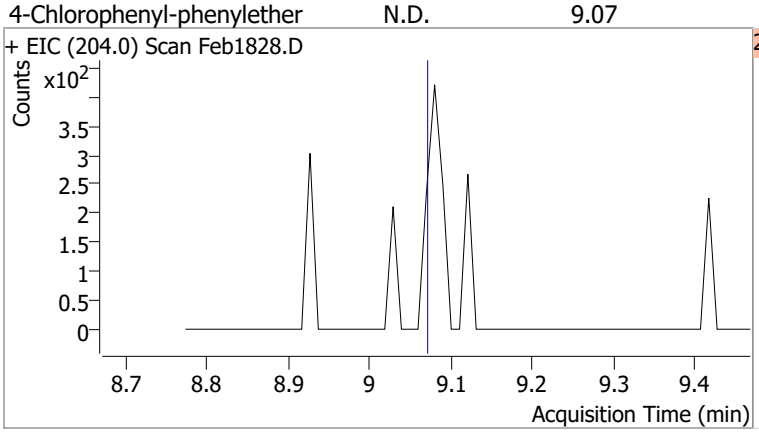


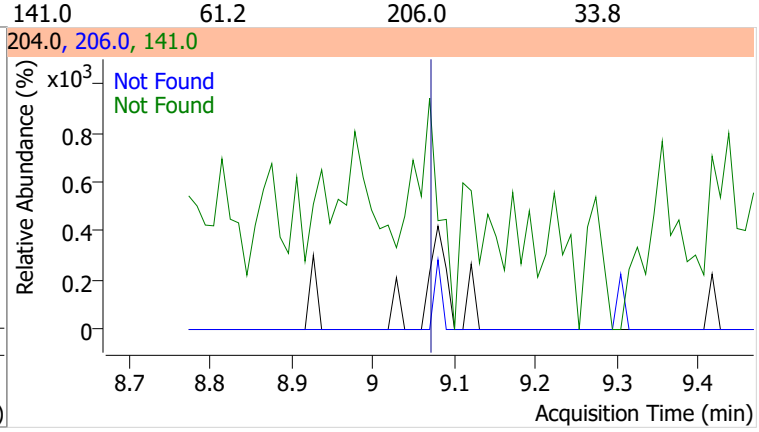
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



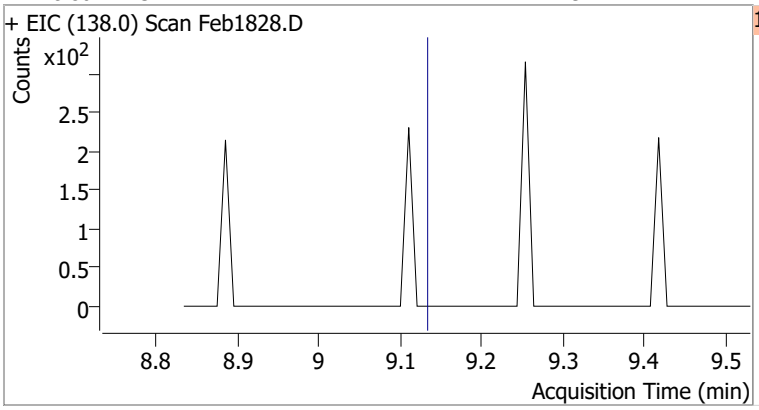


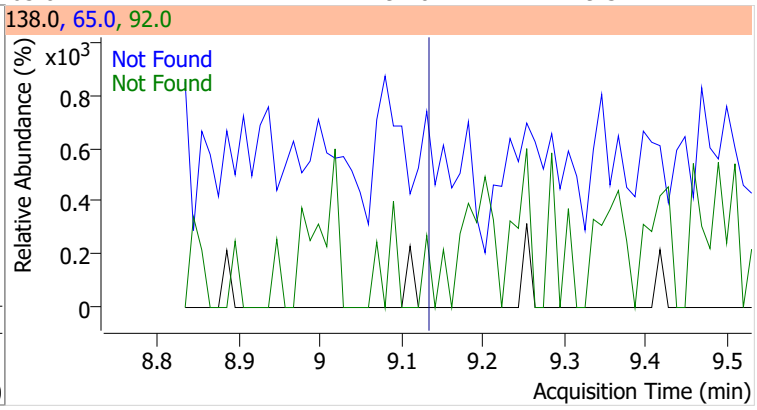
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



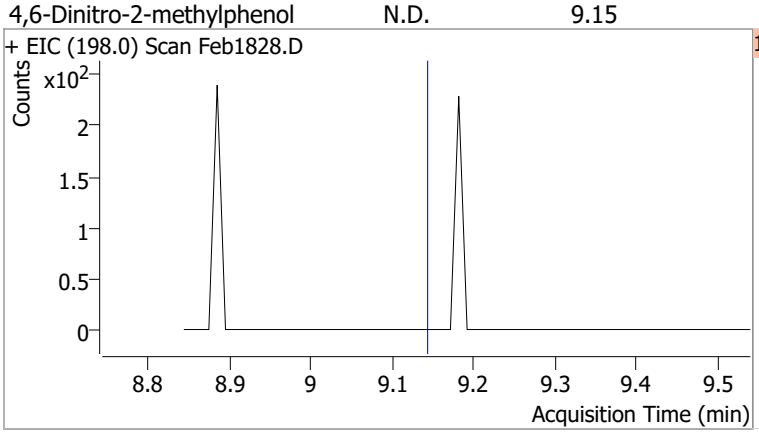


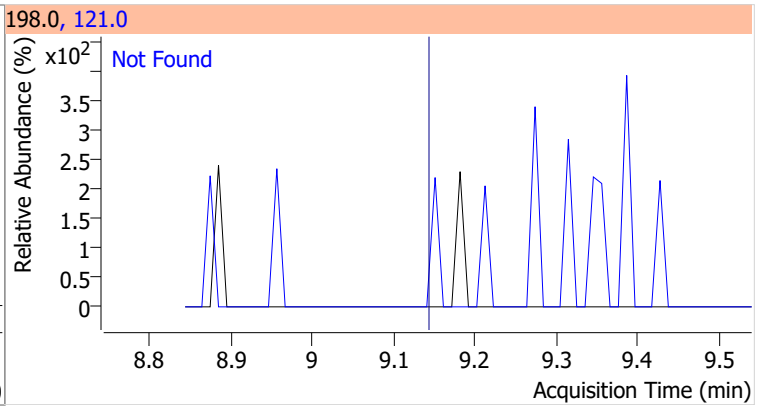
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



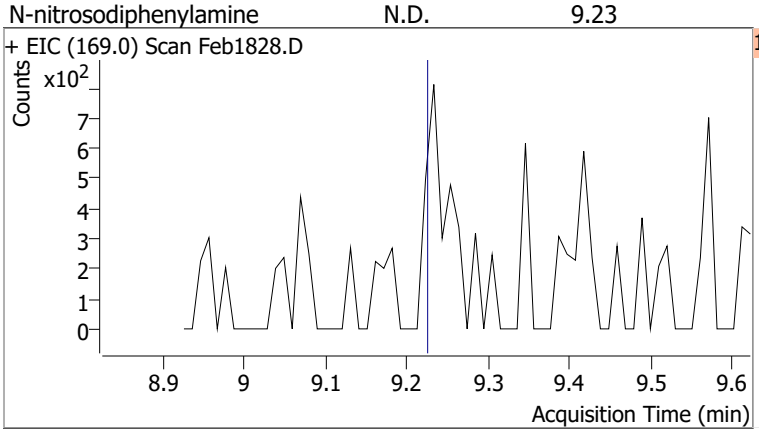


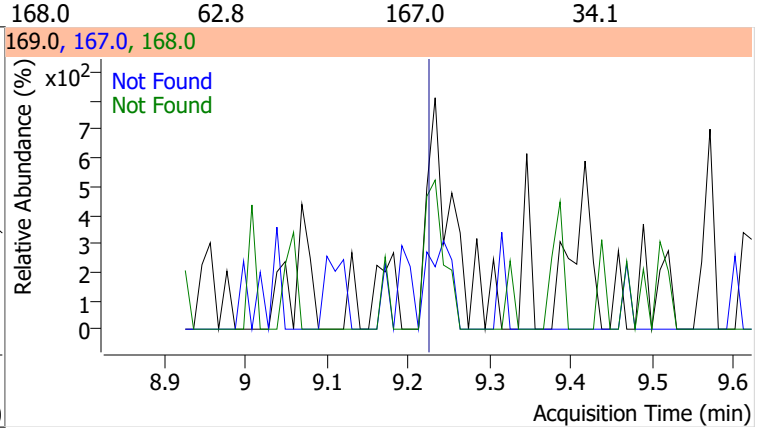
Compound	Conc.	Exp RT	QIon	Exp Ratio
4,6-Dinitro-2-methylphenol	N.D.	9.15	121.0	50.2



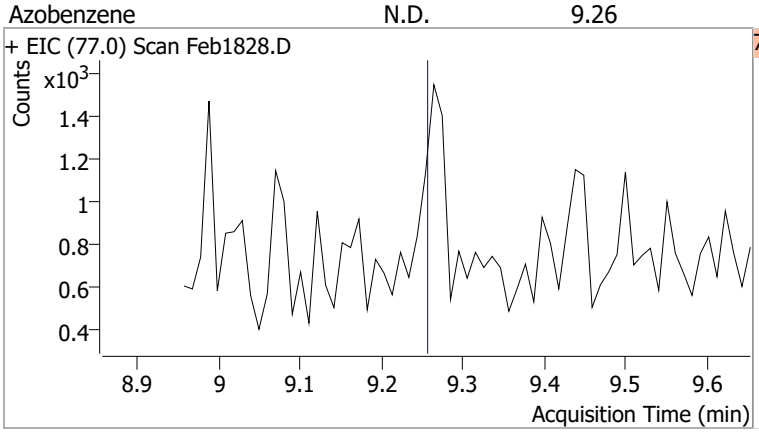


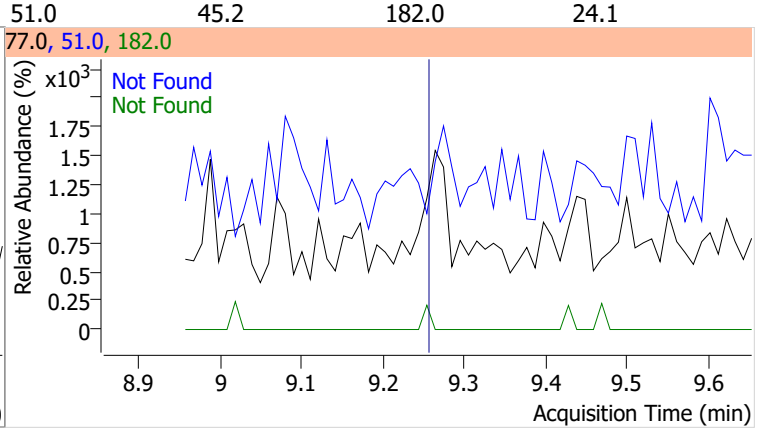
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



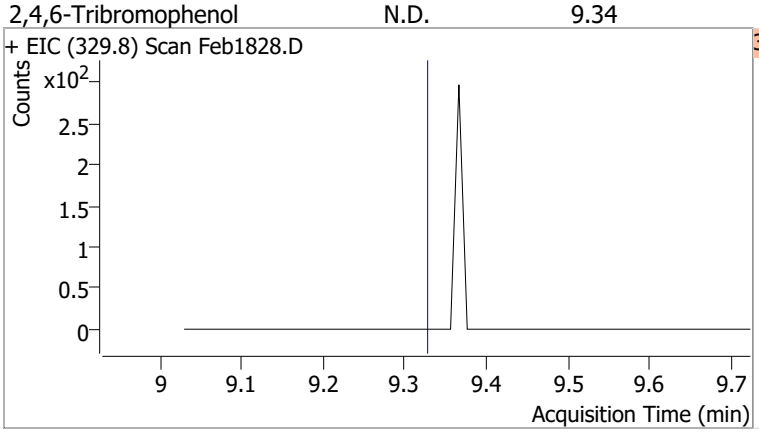


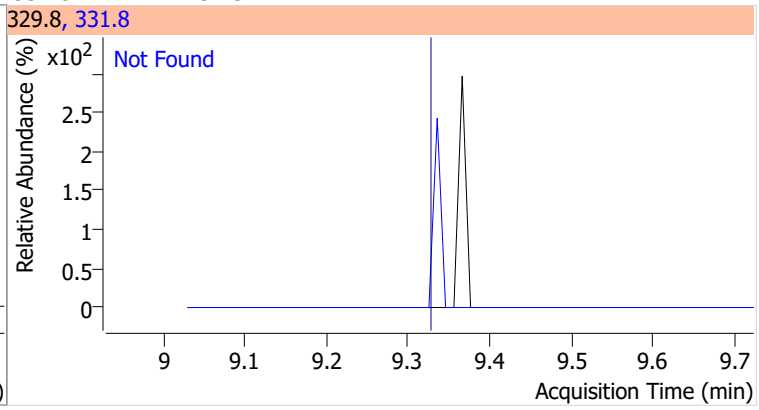
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1



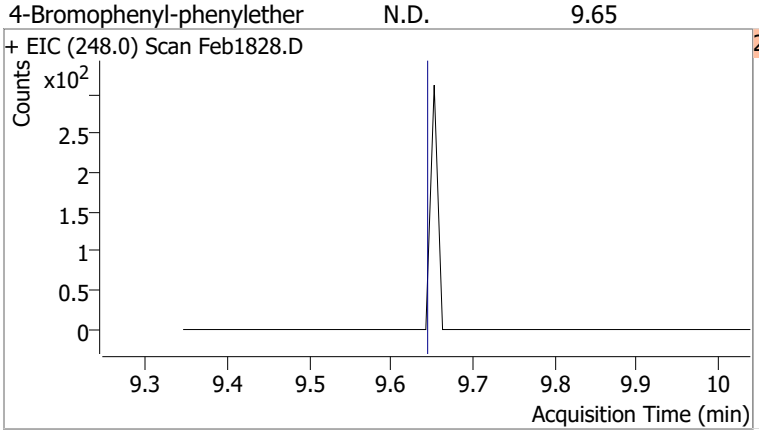


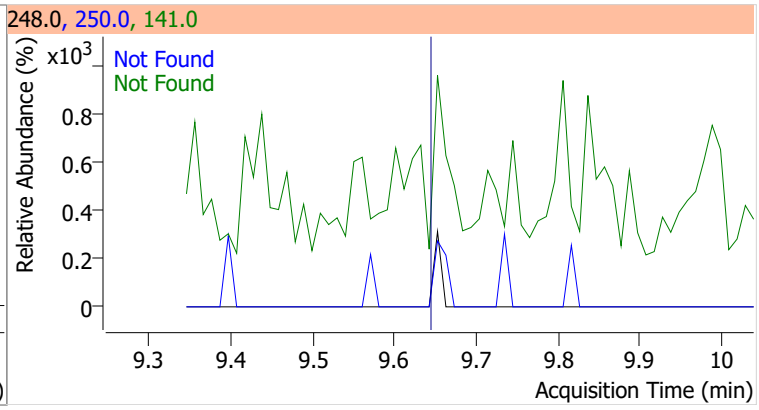
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Tribromophenol	N.D.	9.34	331.8	97.9



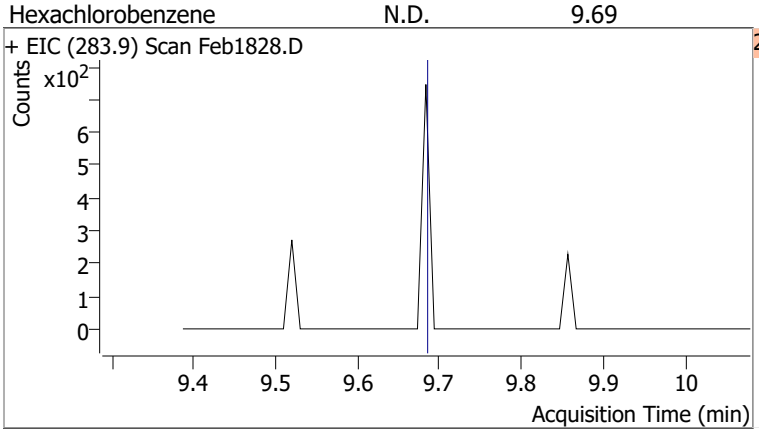


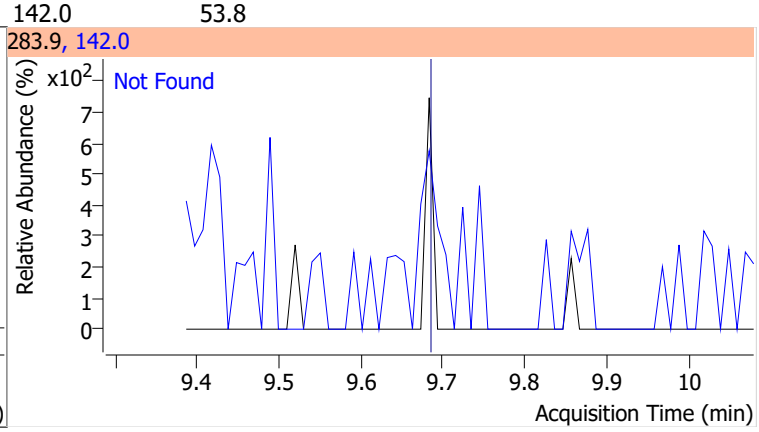
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



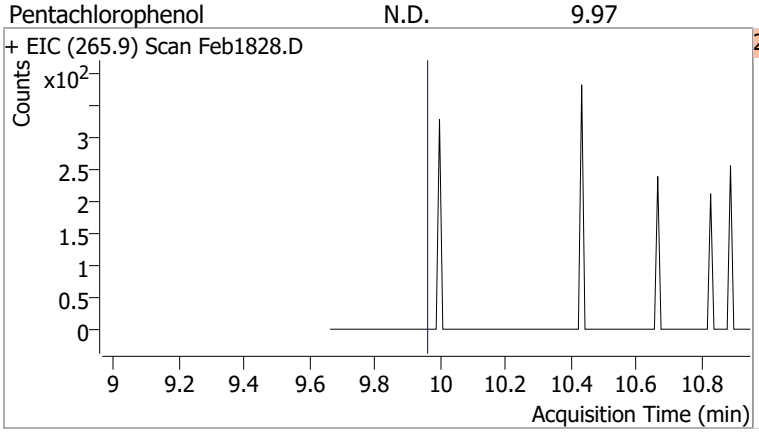


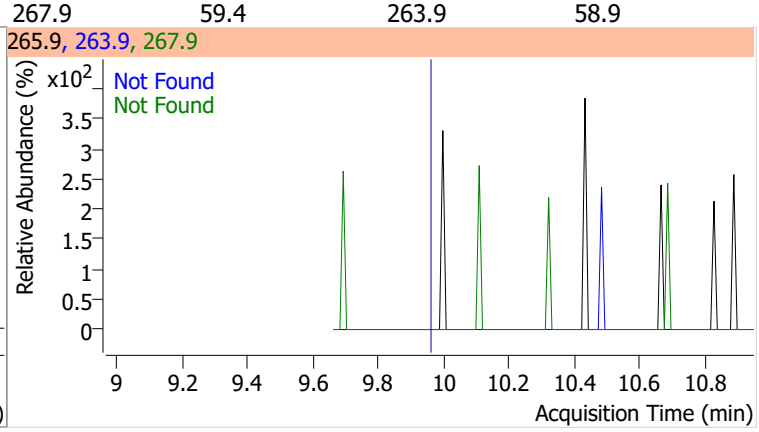
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



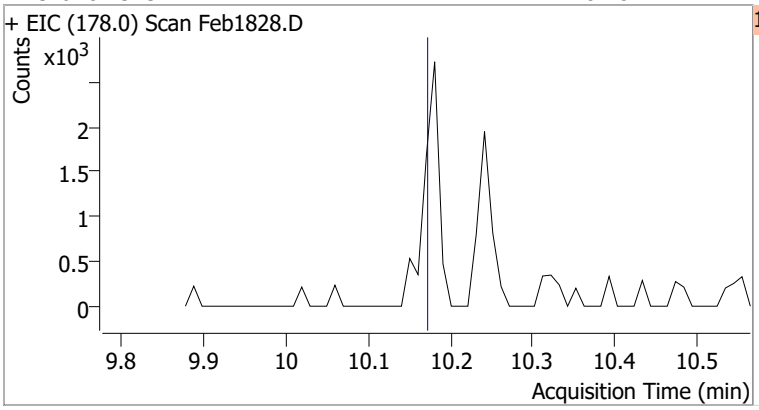


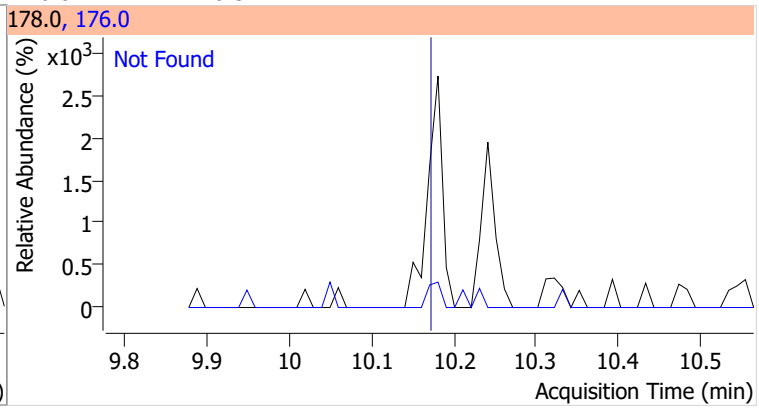
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



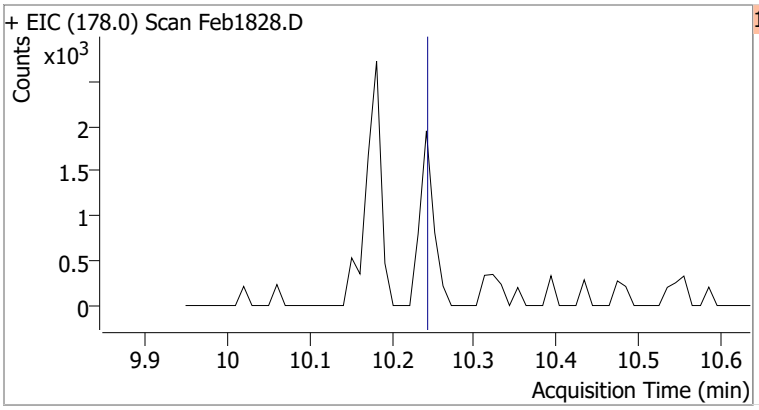


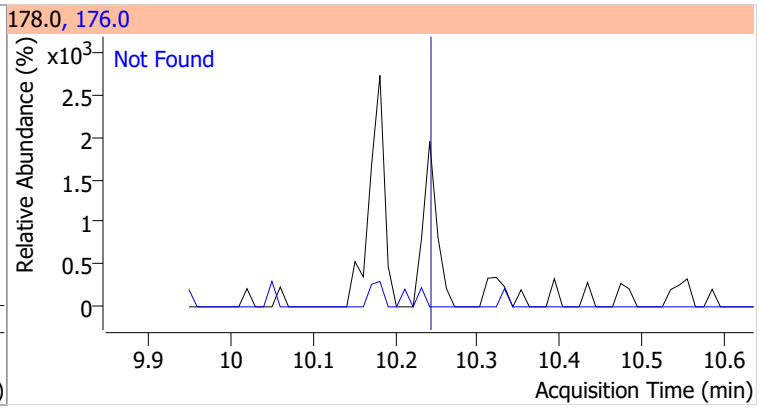
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



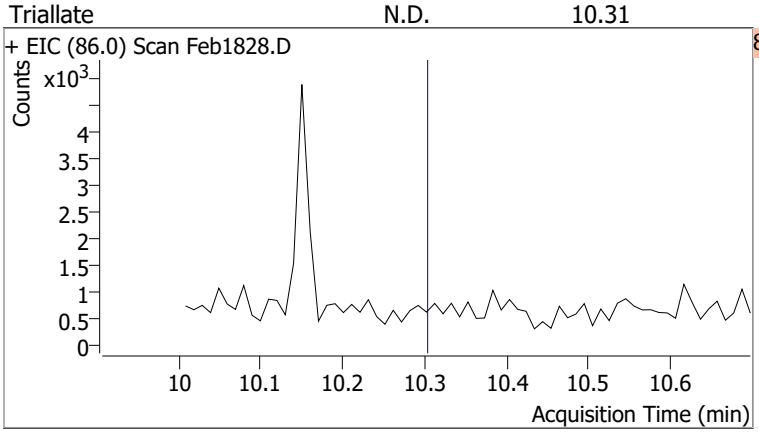


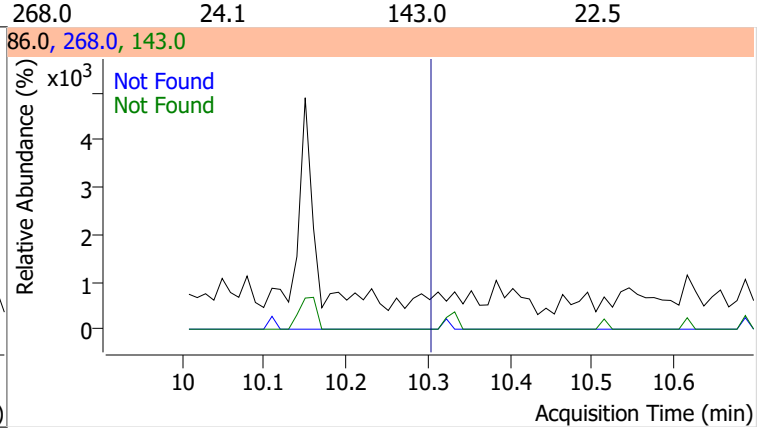
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



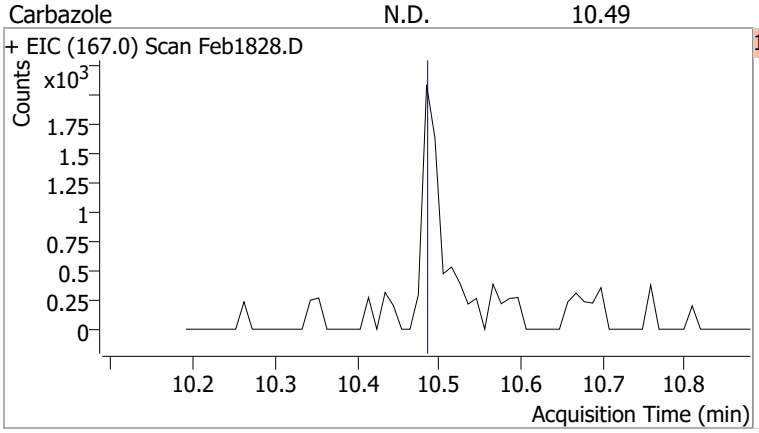


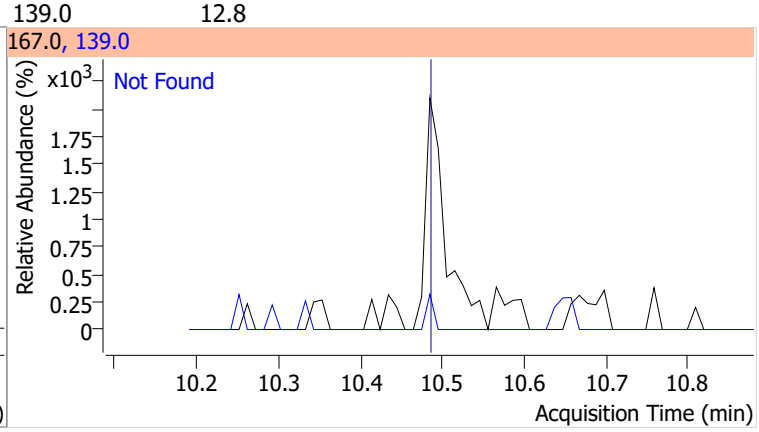
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



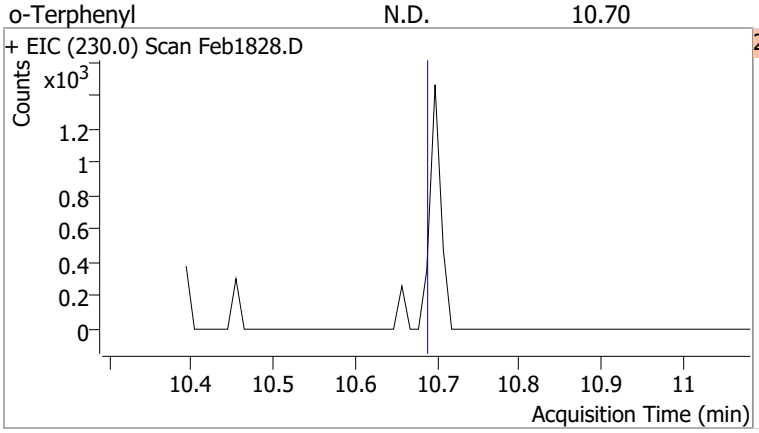


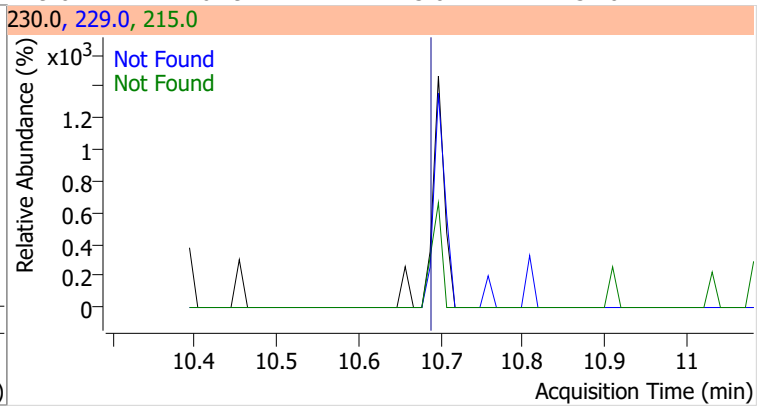
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



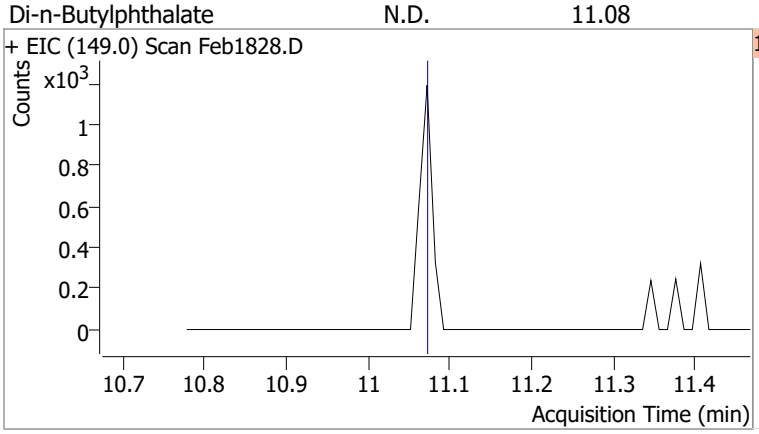


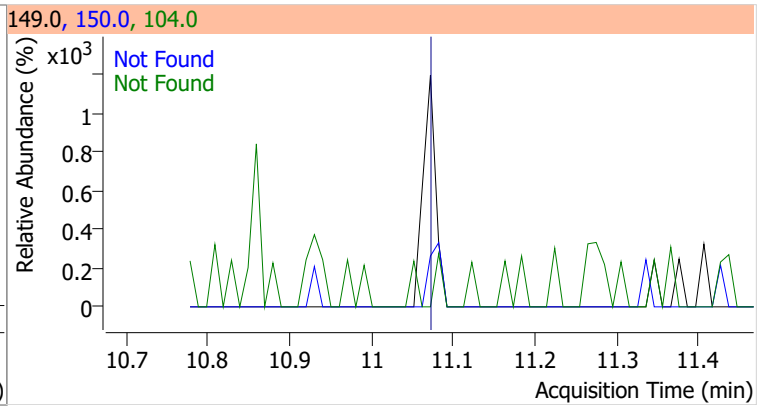
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



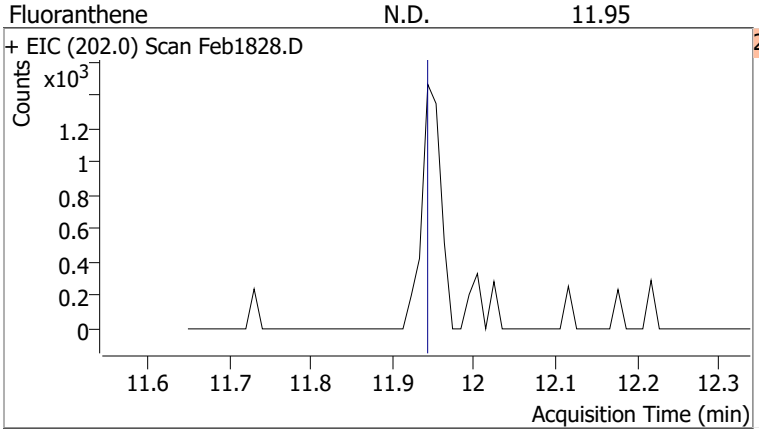


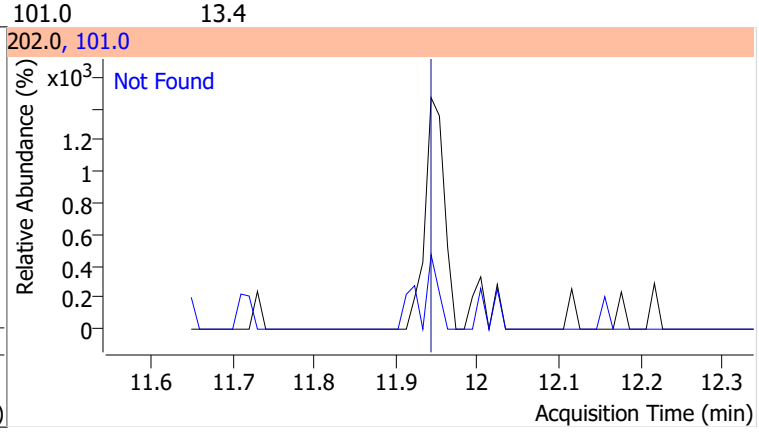
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



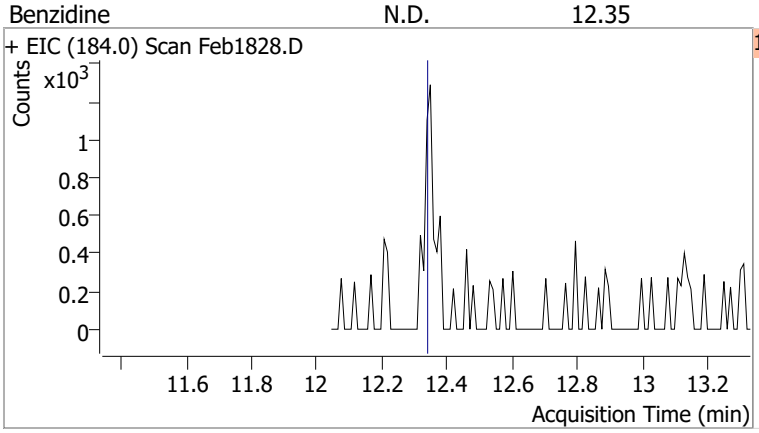


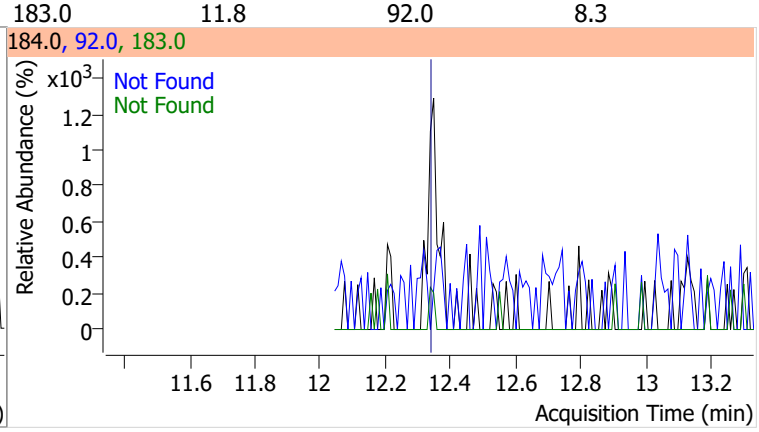
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



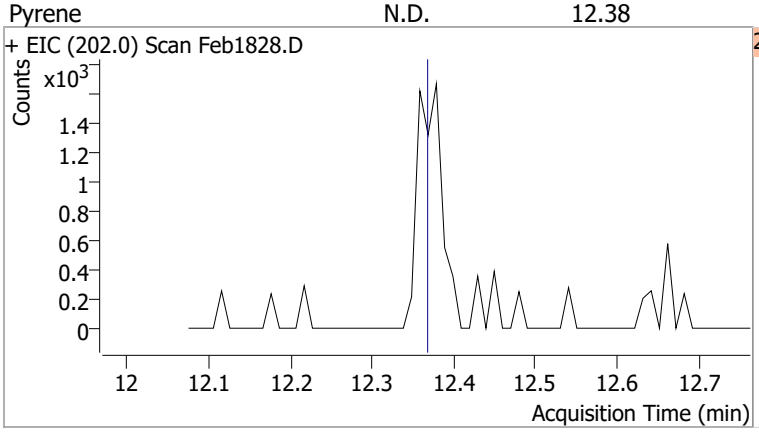


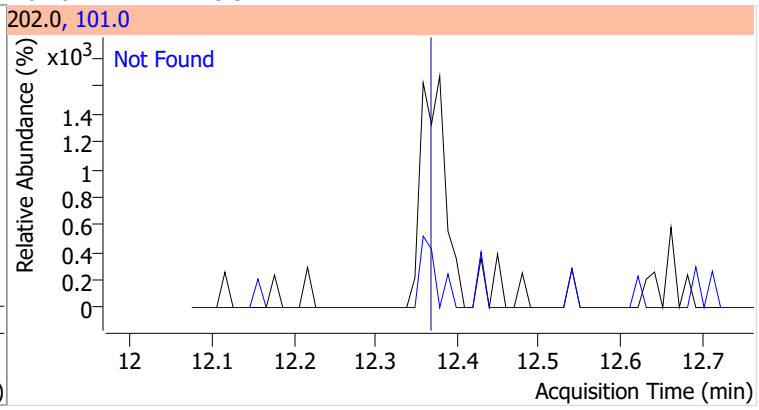
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzidine	N.D.	12.35	183.0	11.8	92.0	8.3



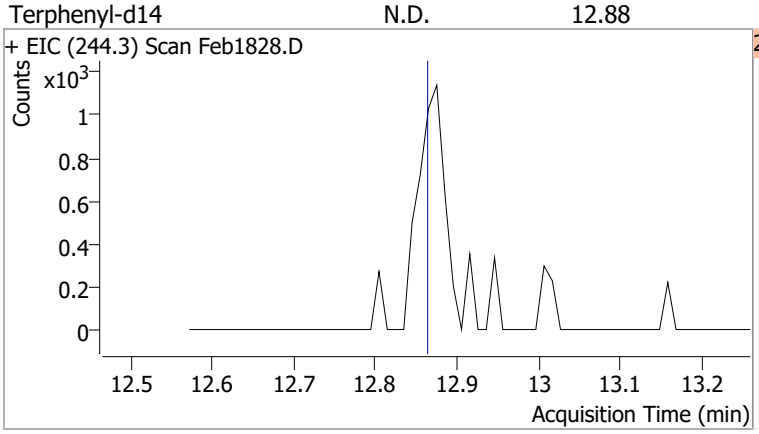


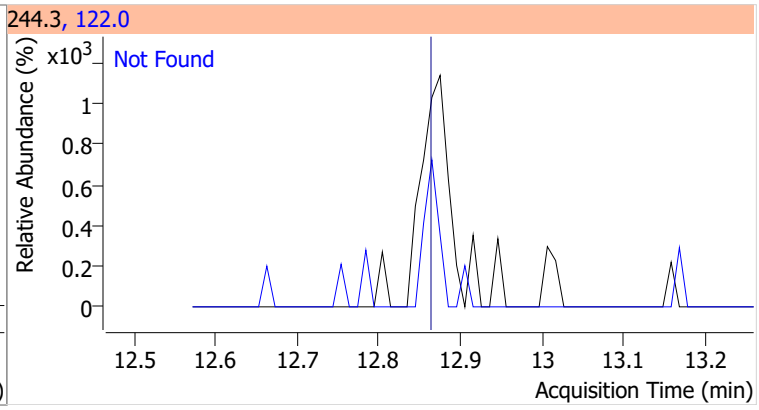
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9



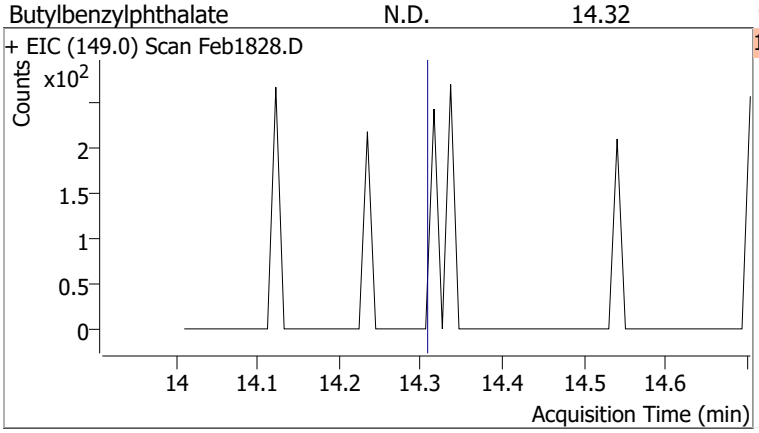


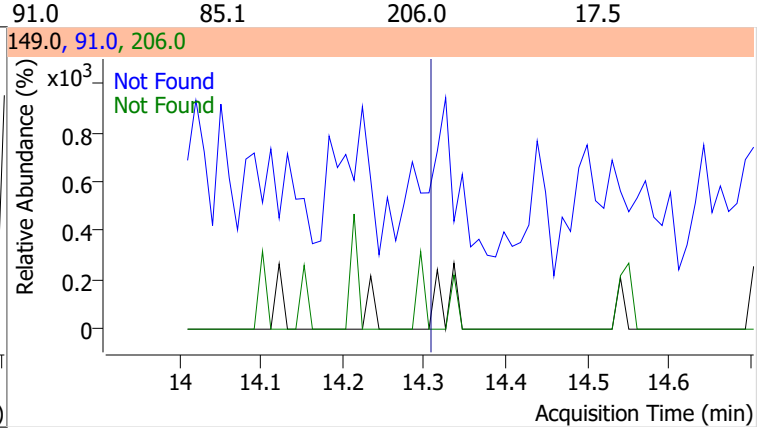
Compound	Conc.	Exp RT	QIon	Exp Ratio
Terphenyl-d14	N.D.	12.88	122.0	14.4



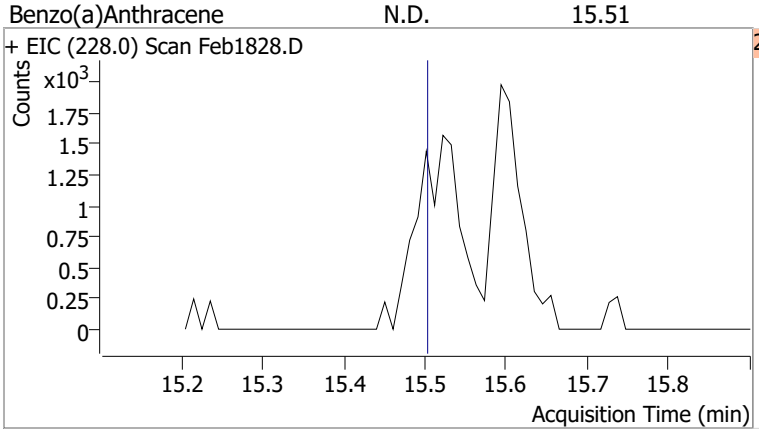


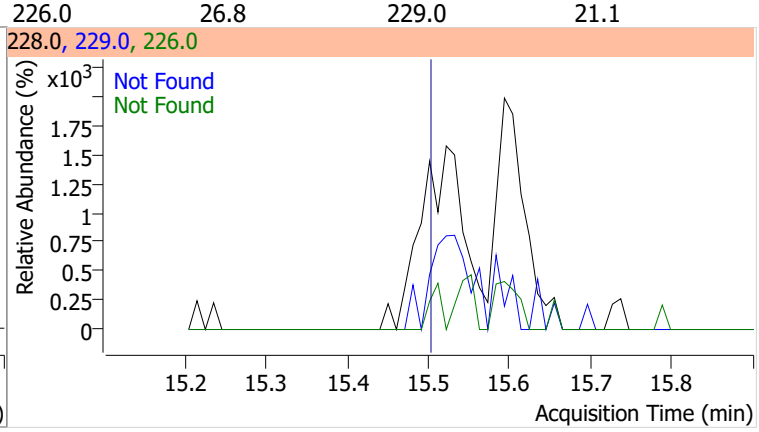
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



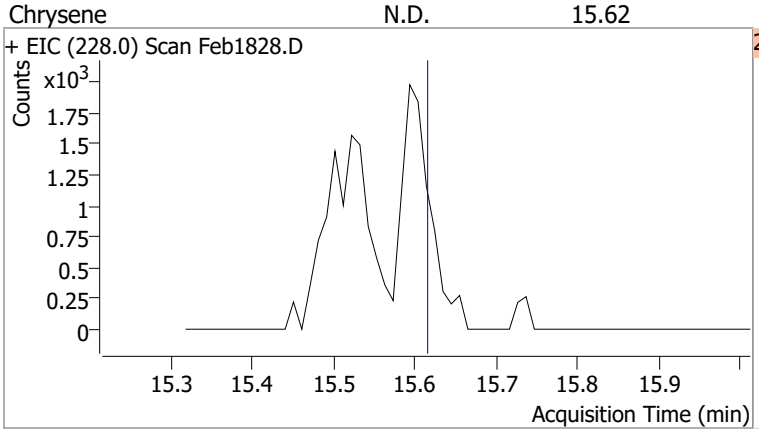


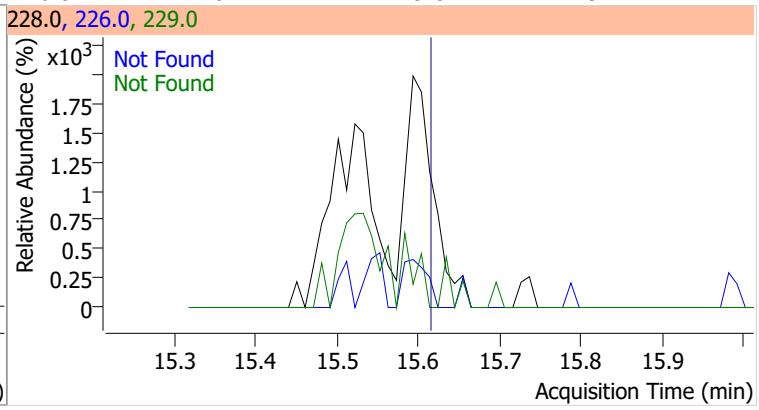
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



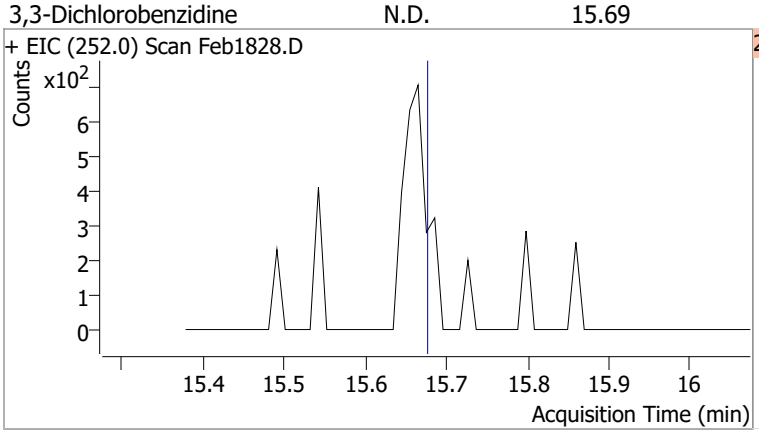


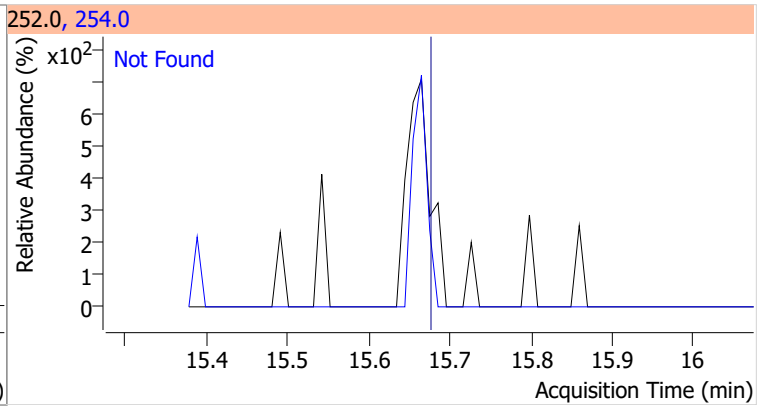
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



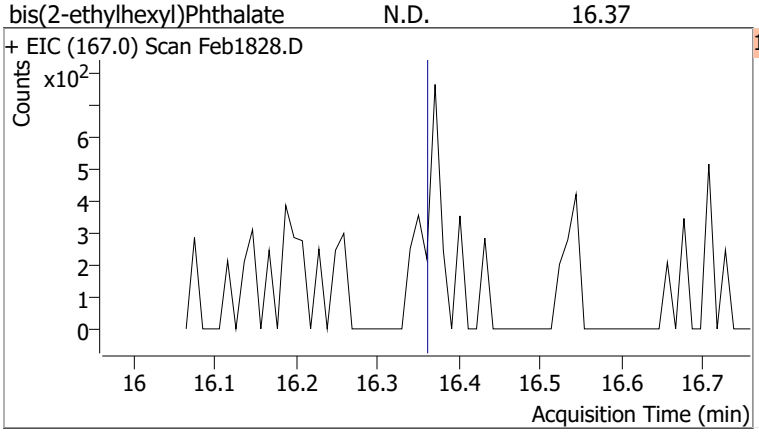


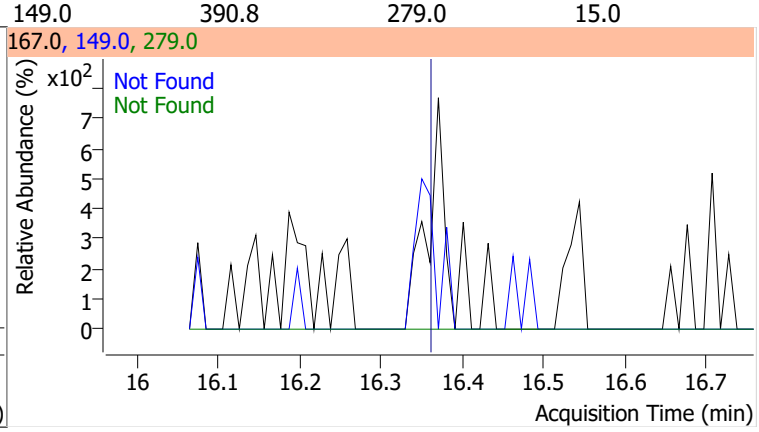
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



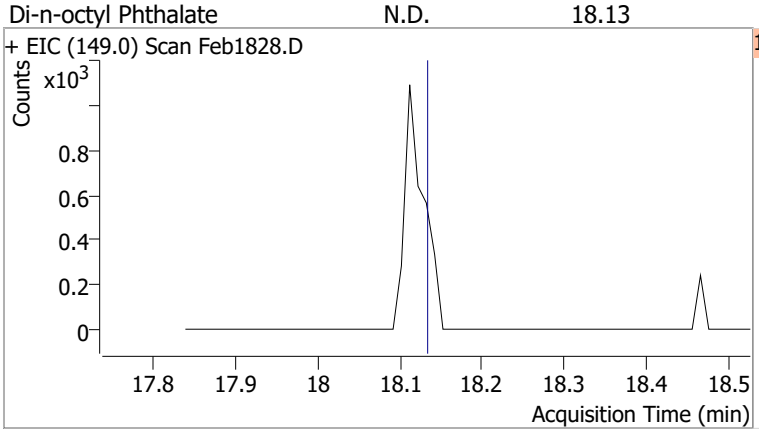


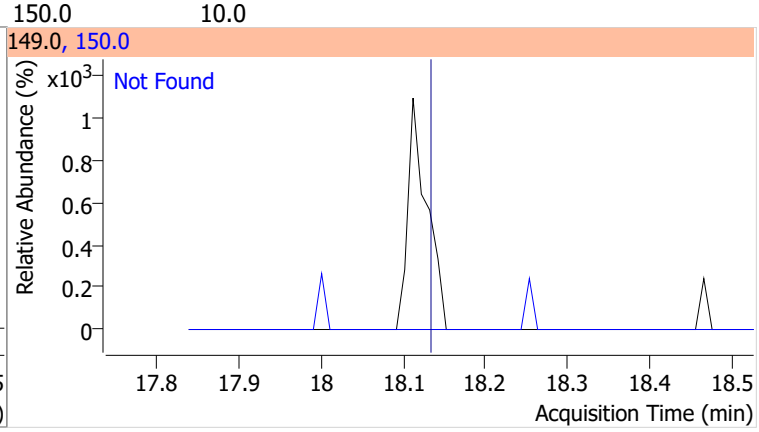
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



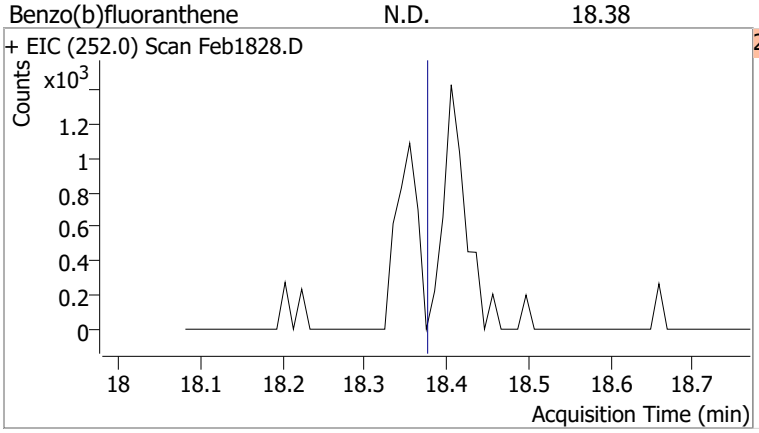


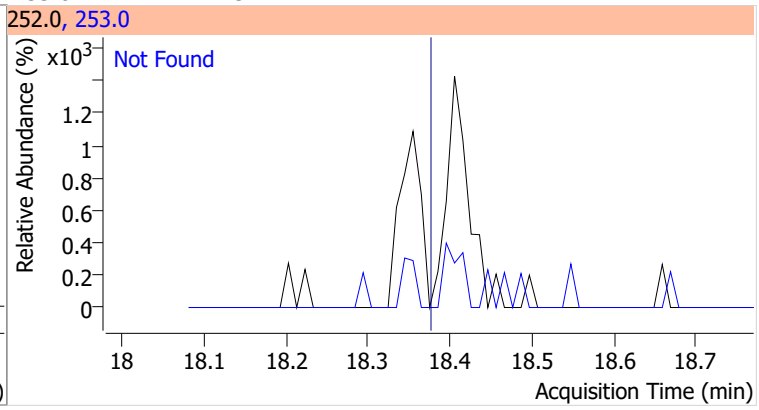
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



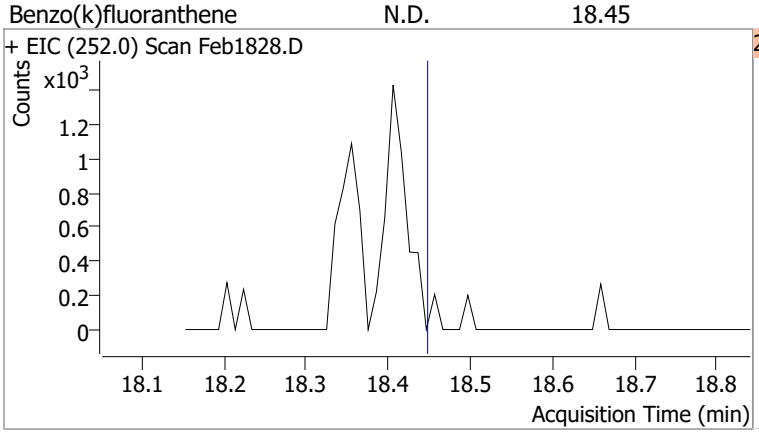


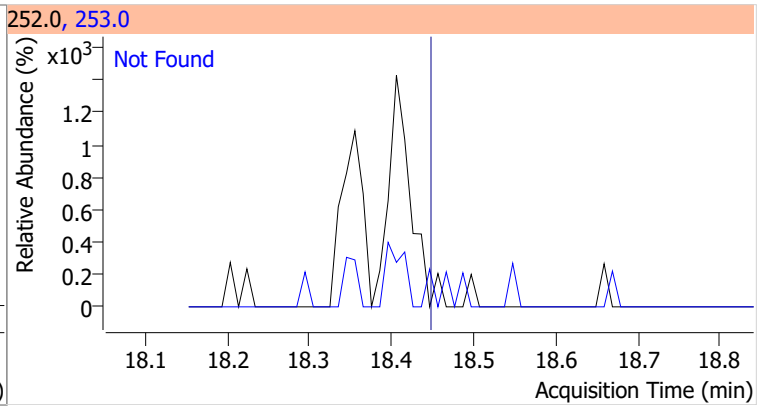
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



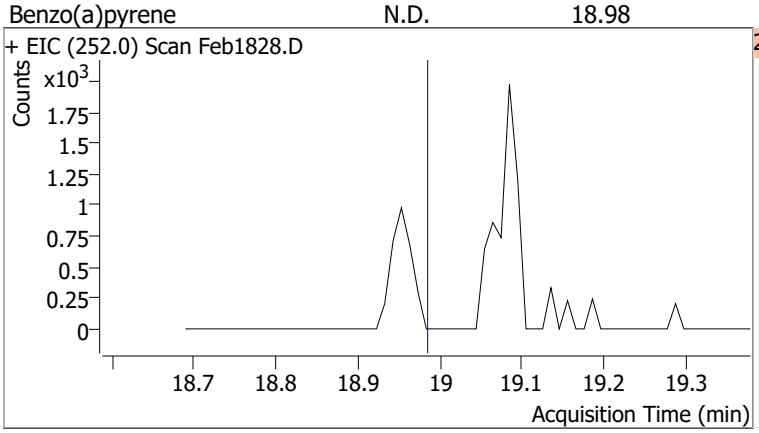


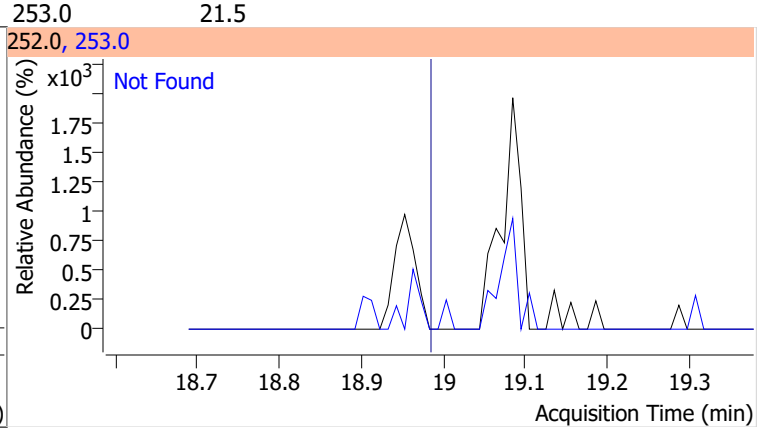
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



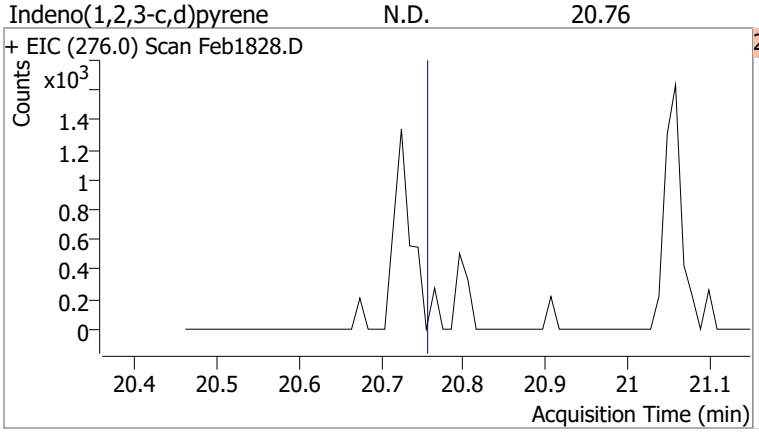


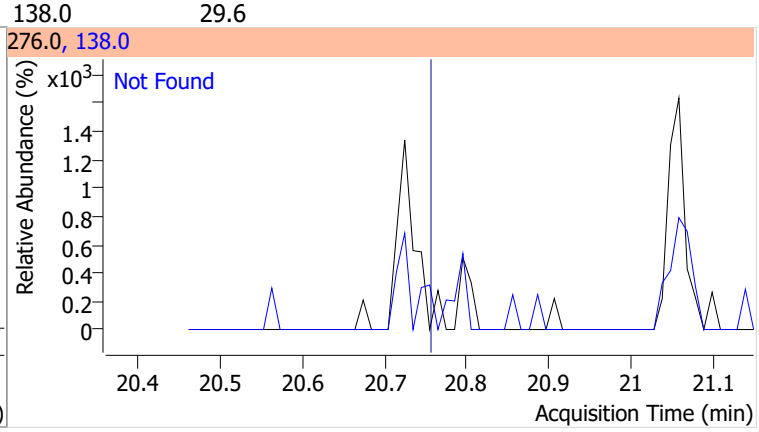
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



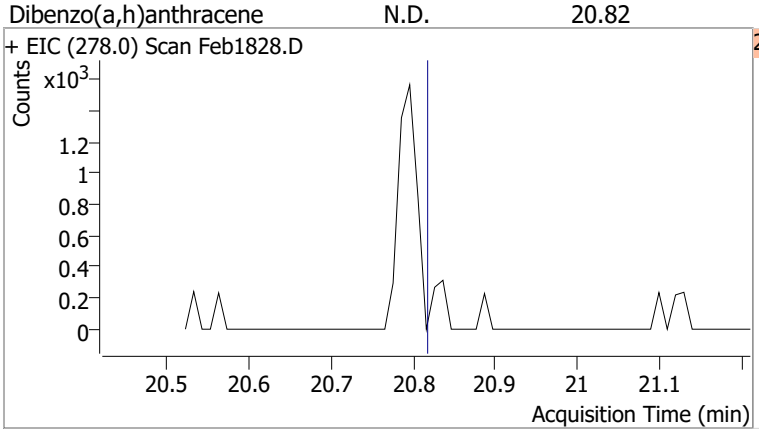


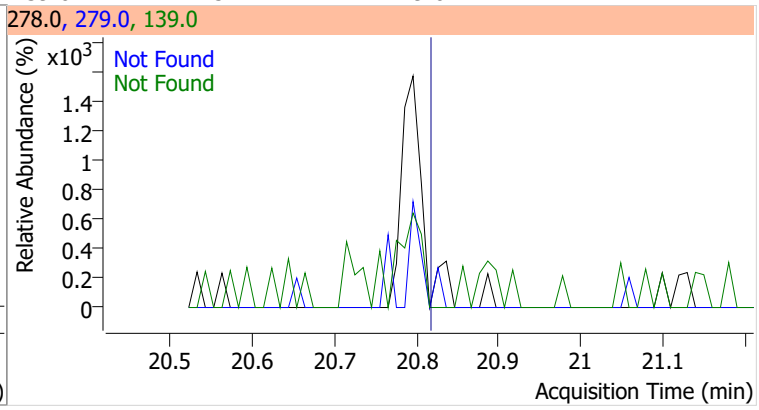
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



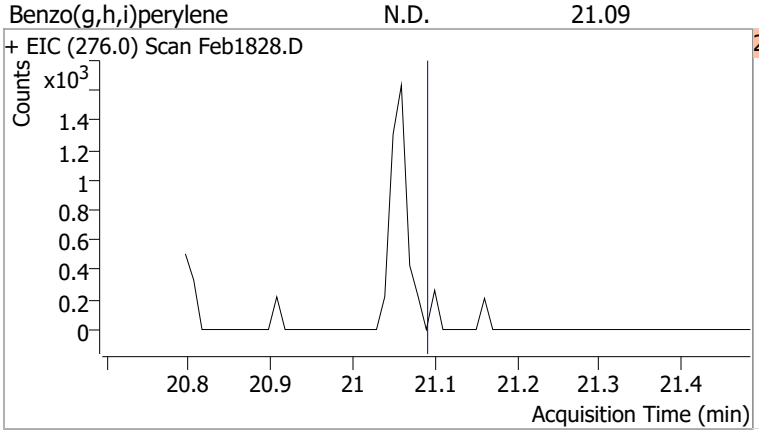


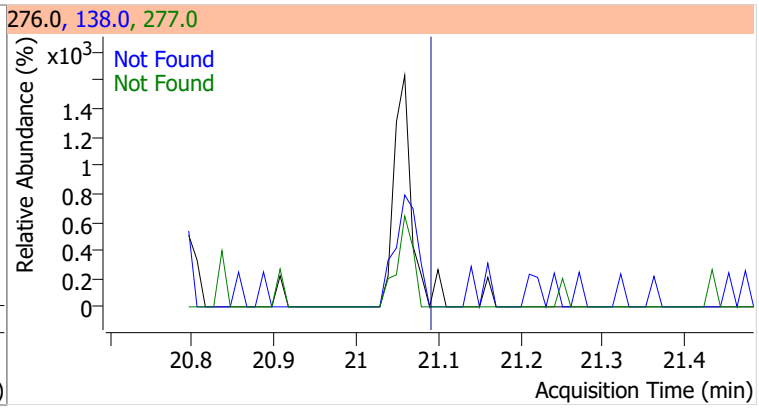
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





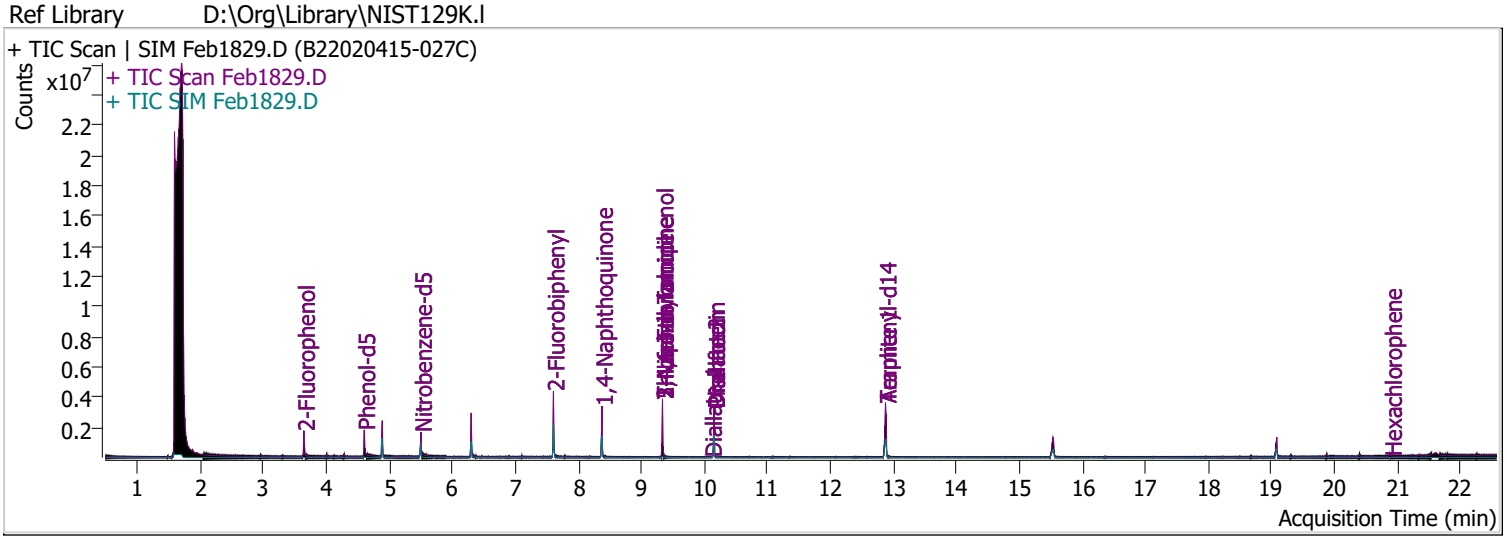
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1829.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 10:54:58 PM
Sample Name	B22020415-027C	Instrument	Instrument #1
Vial	29	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



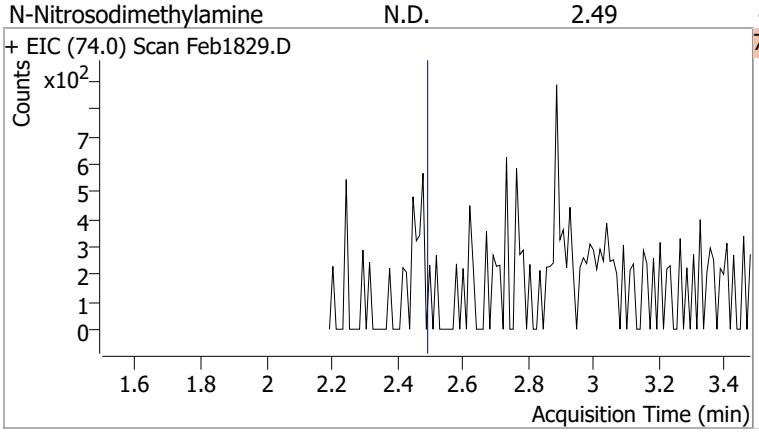
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	494186	48.2754	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 24.14%			
S Phenol-d5	4.603	99.0	598975	44.6834	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 22.34%			
S Nitrobenzene-d5	5.502	82.0	437211	58.9113	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 58.91%			
S 2-Fluorobiphenyl	7.605	172.0	1249452	56.8010	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 56.80%			
S 2,4,6-Tribromophenol	9.336	329.8	297892	154.2430	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 77.12%			
S Terphenyl-d14	12.875	244.3	2064066	100.5543	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 100.55%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	4.889	63.0	0		µg/L	md	1
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

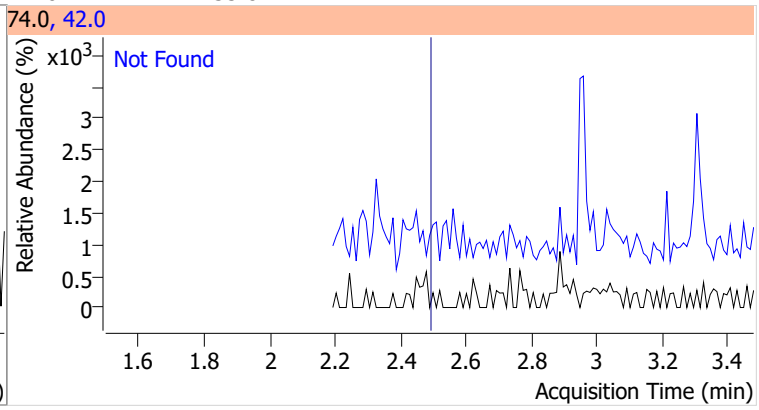
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	0.000		0	N.D.			
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

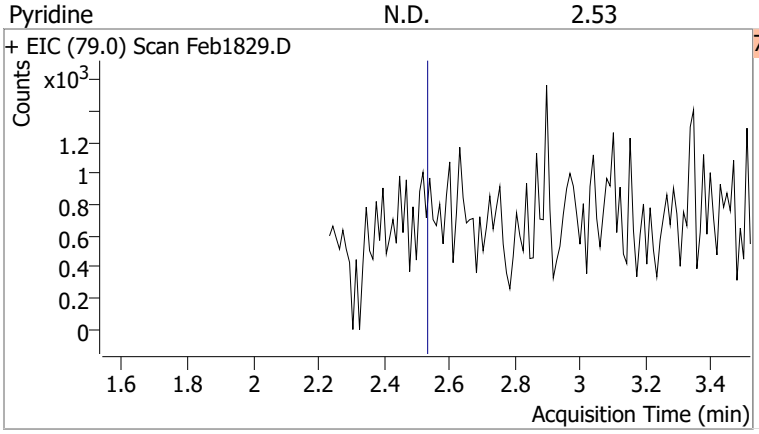
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

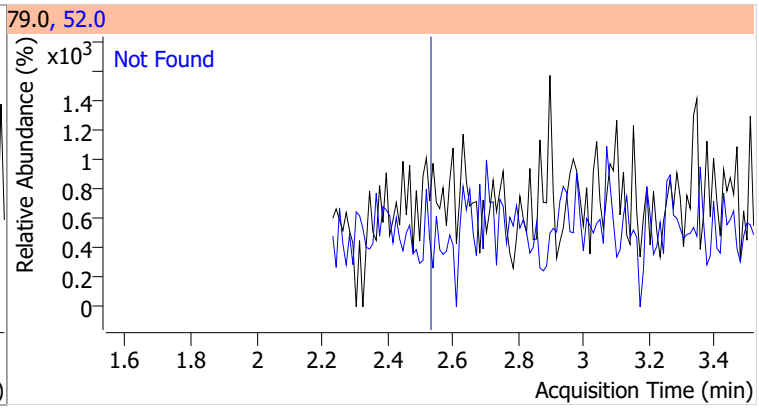
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



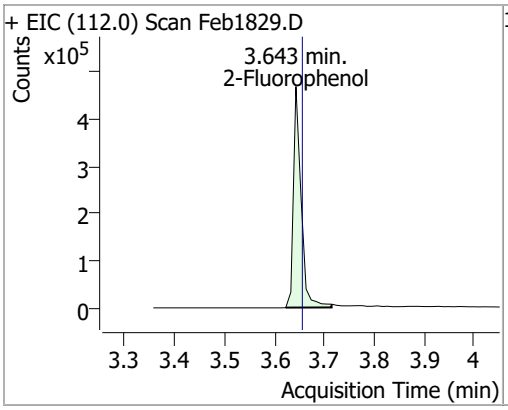


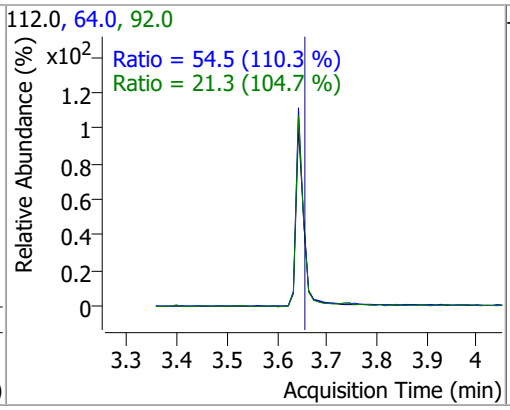
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

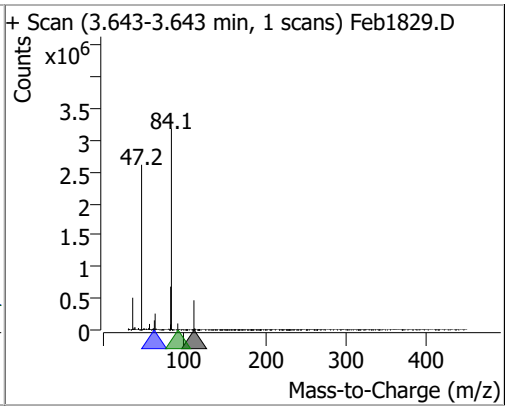




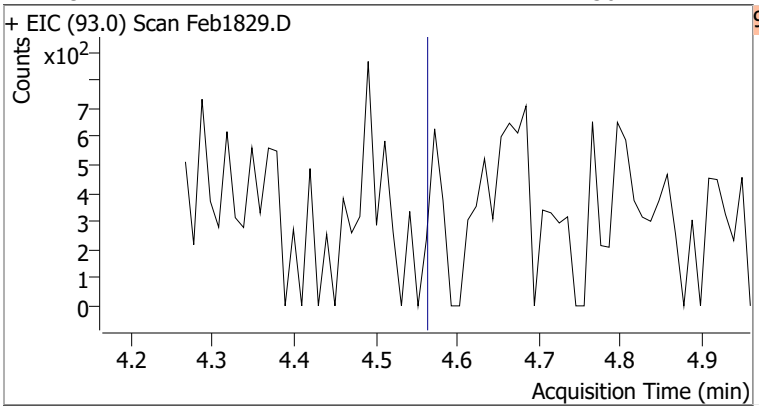
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	48.2754	3.64	-0.01	494186	64.0	54.5	34.6	64.3
					92.0	21.3	14.2	26.5

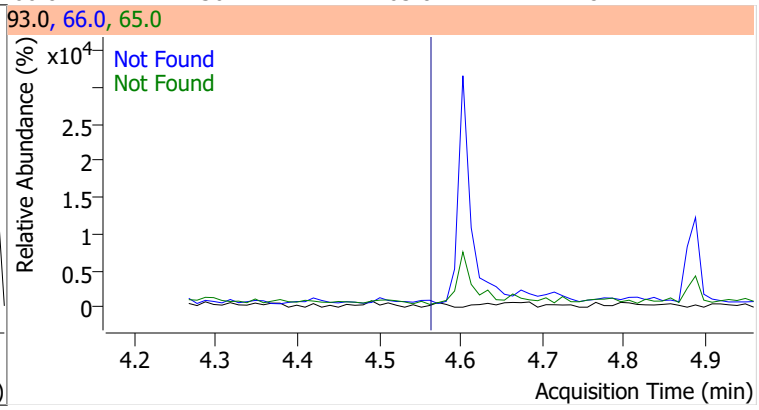




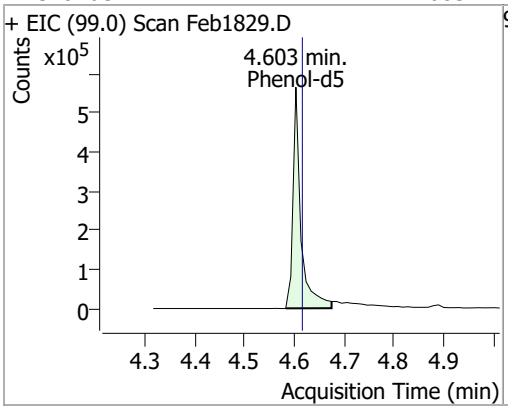


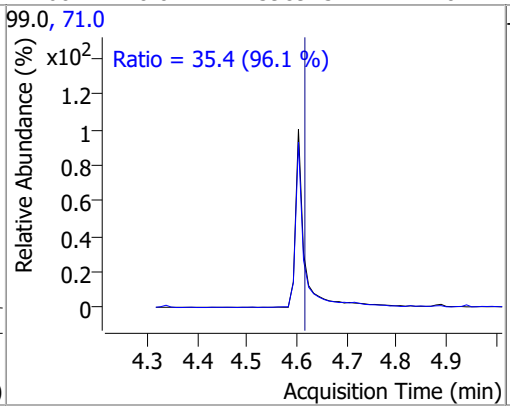
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

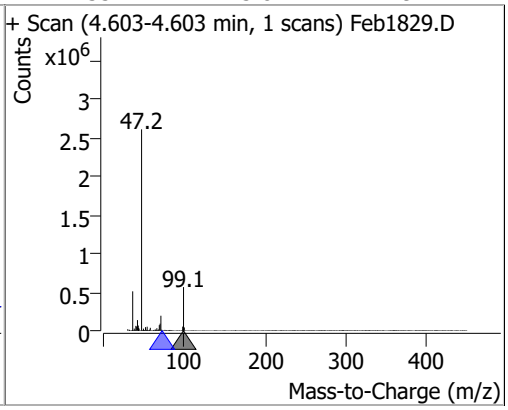




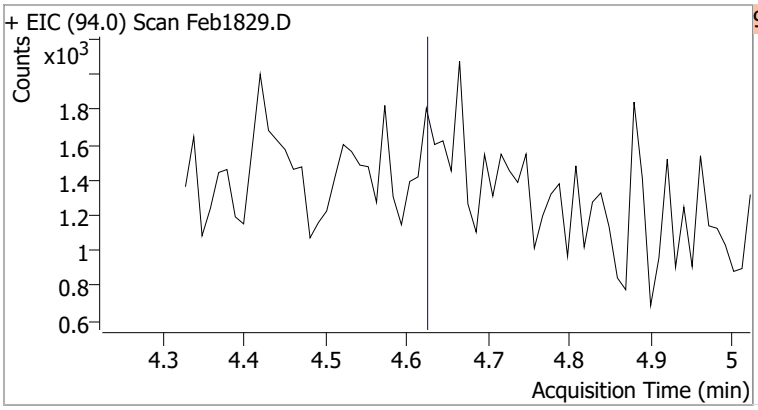
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	44.6834	4.60	-0.01	598975	71.0	35.4	25.8	47.9

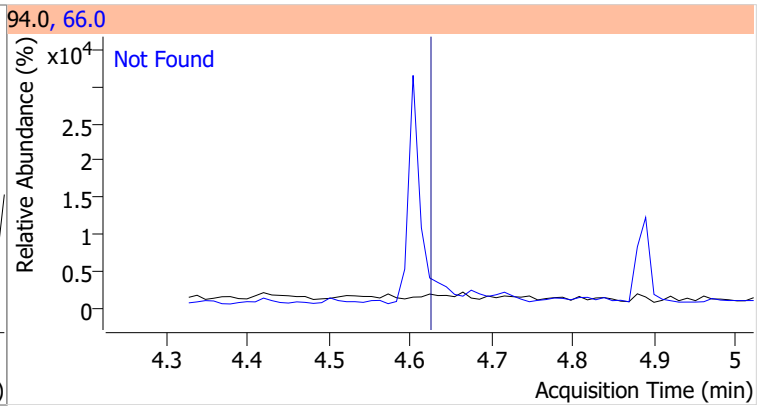




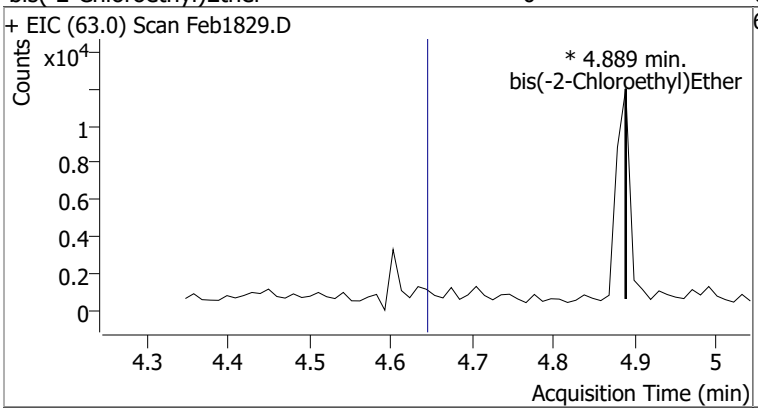


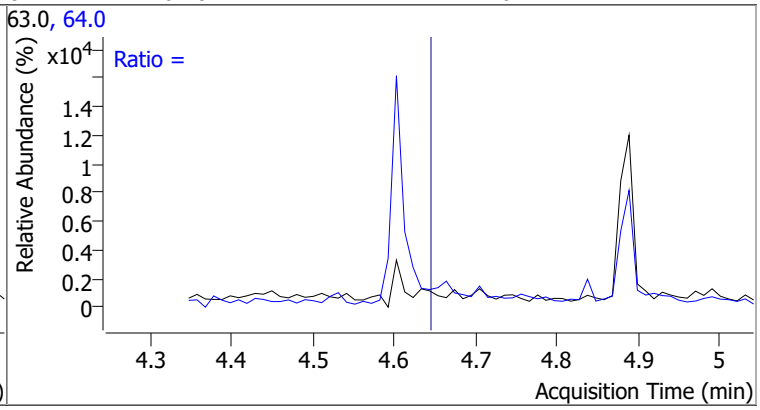
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



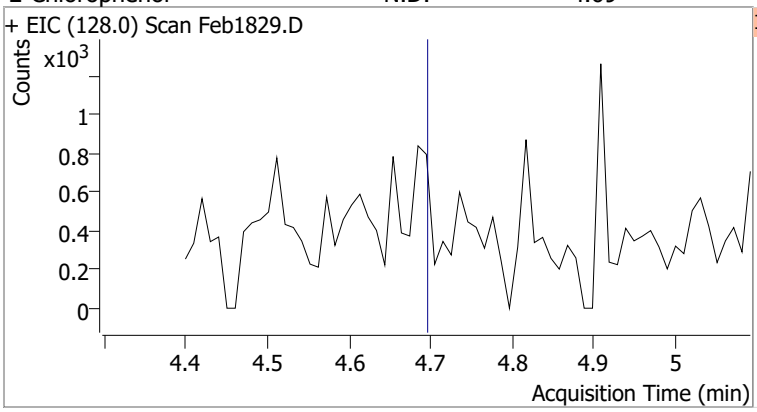


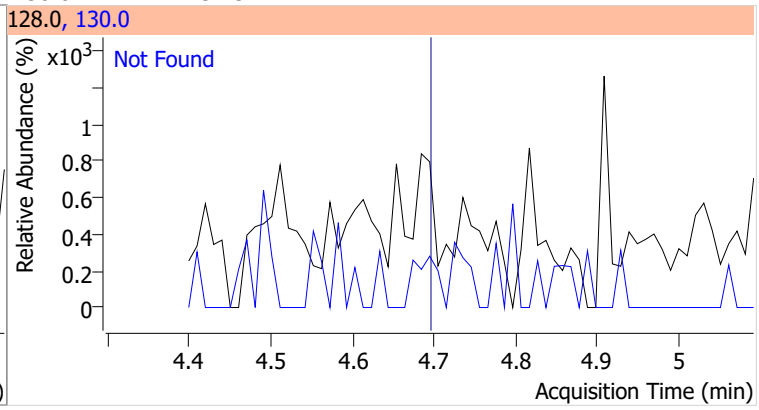
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether		0		0	64.0		7.6	14.1



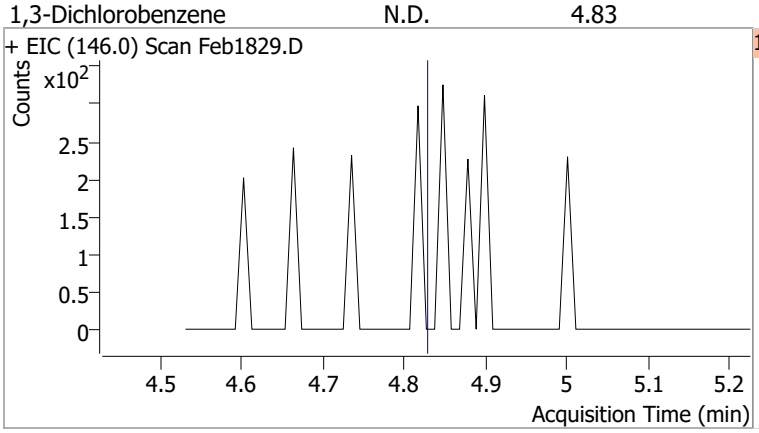


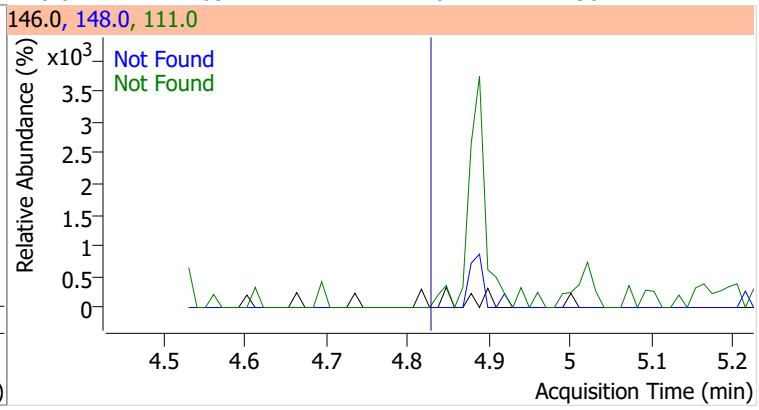
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



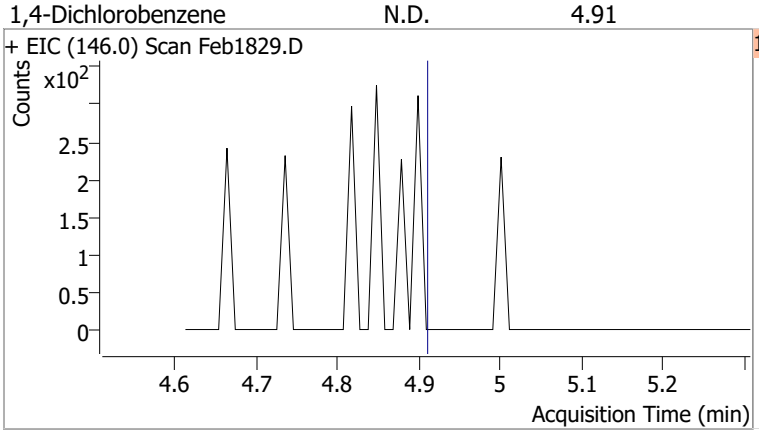


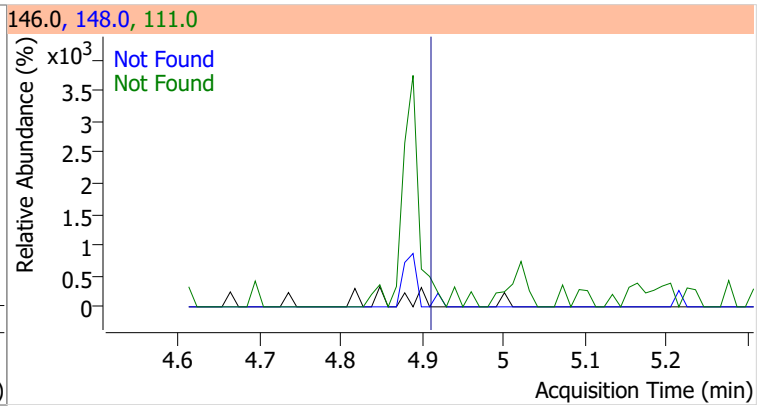
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



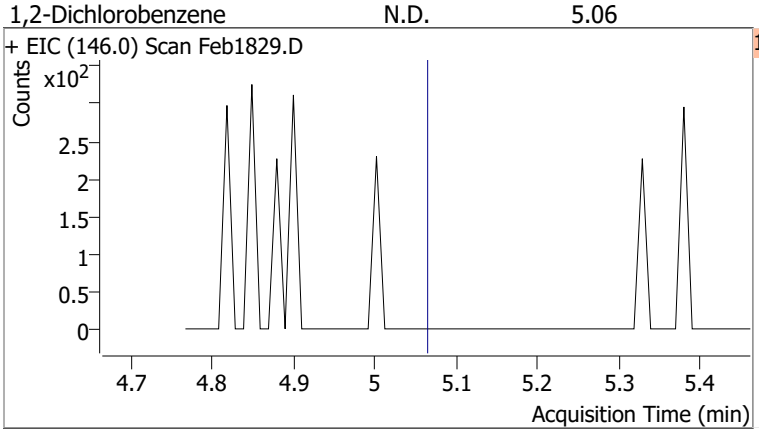


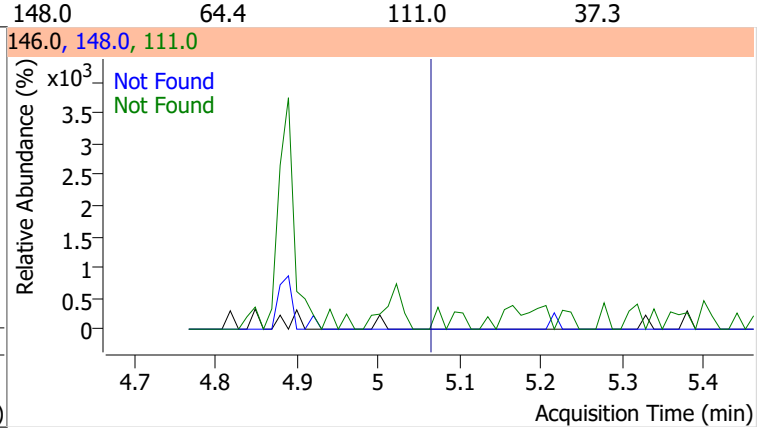
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



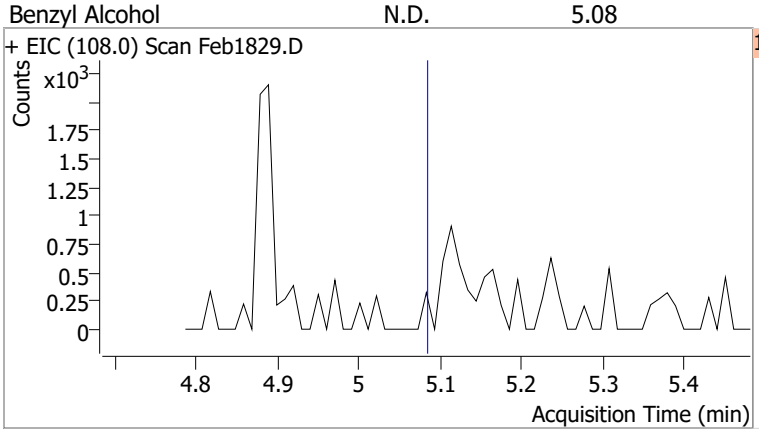


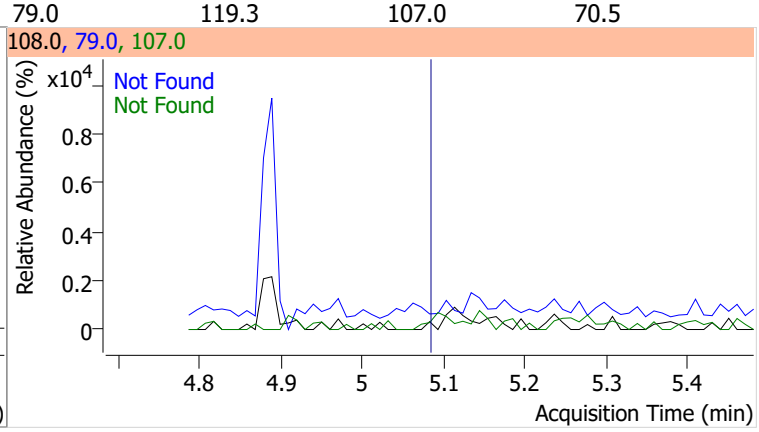
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



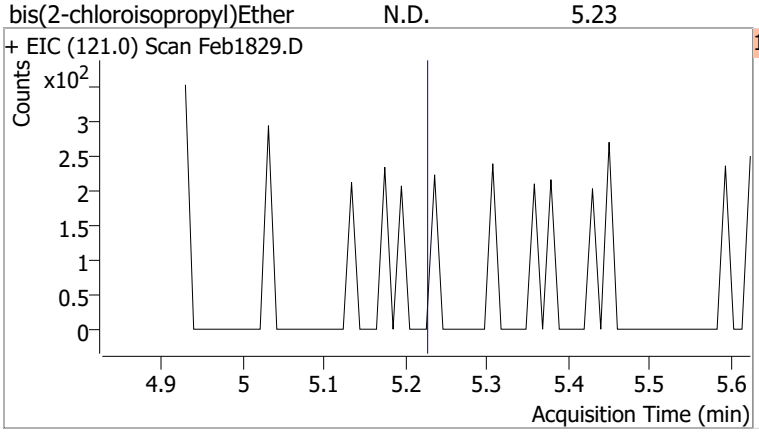


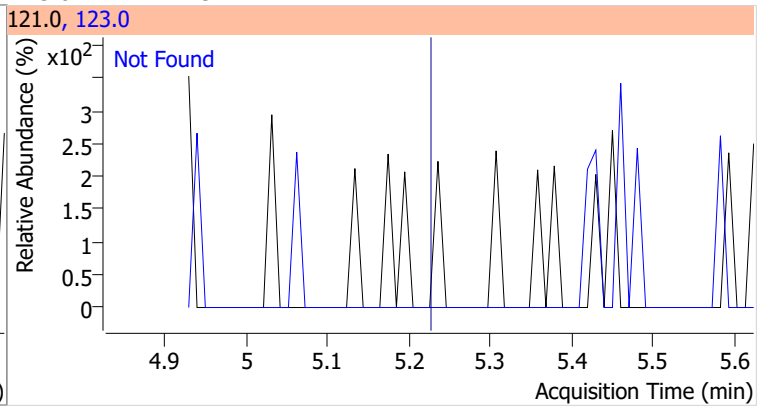
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



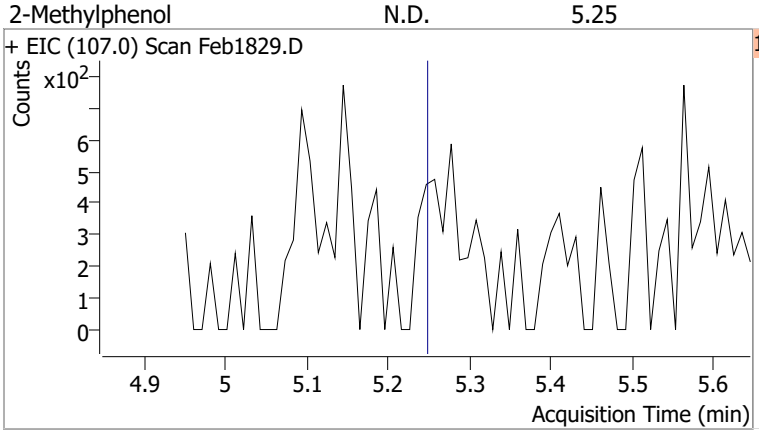


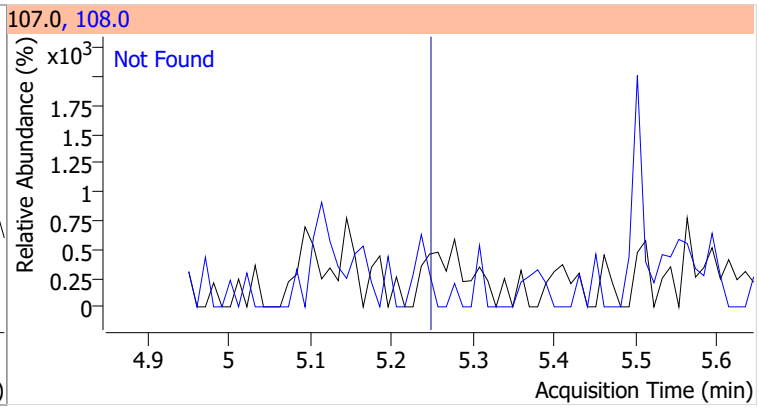
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



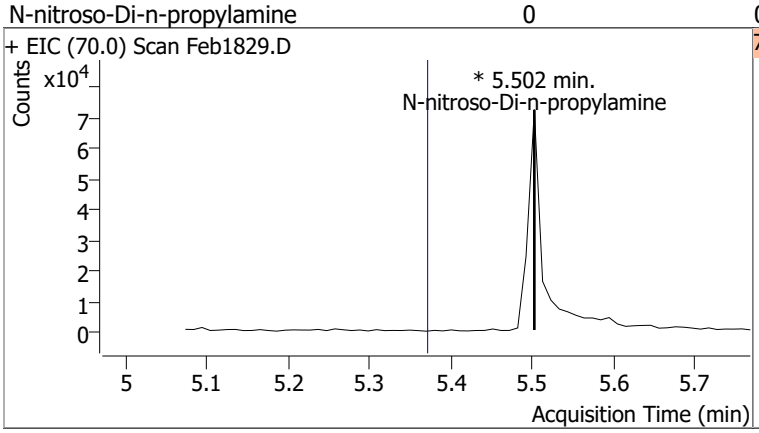


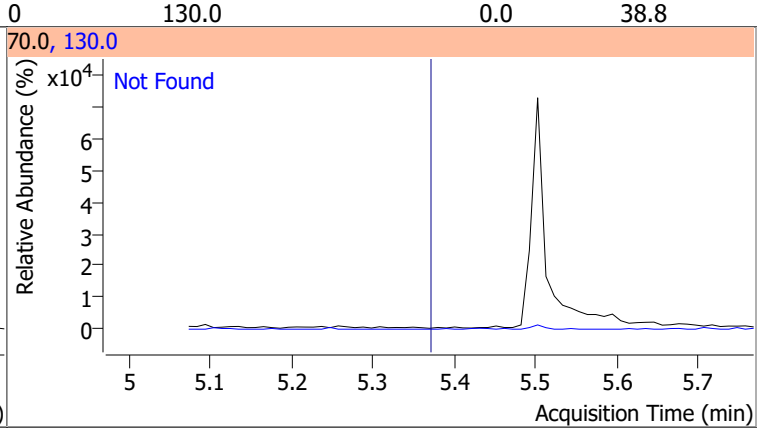
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



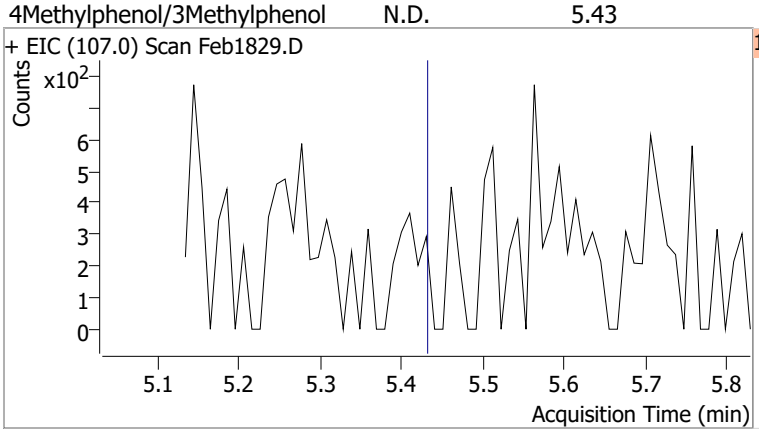


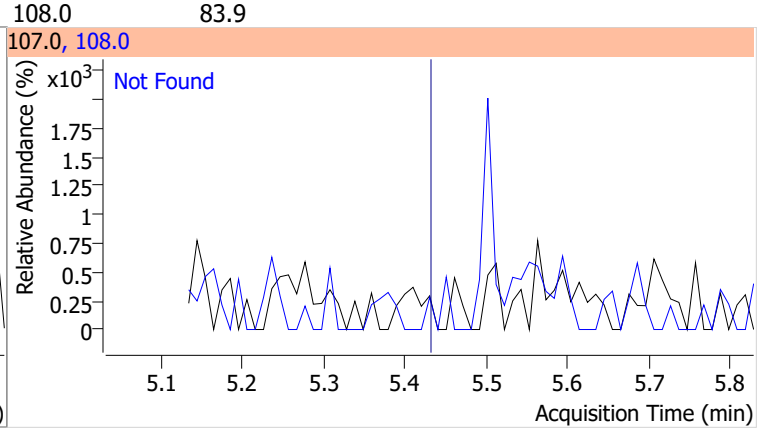
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



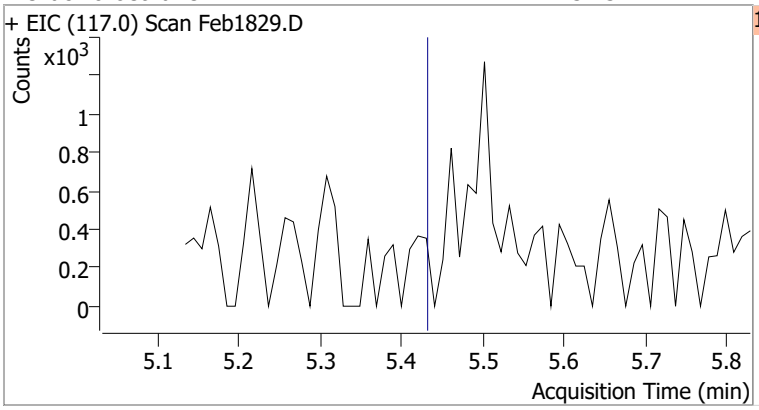


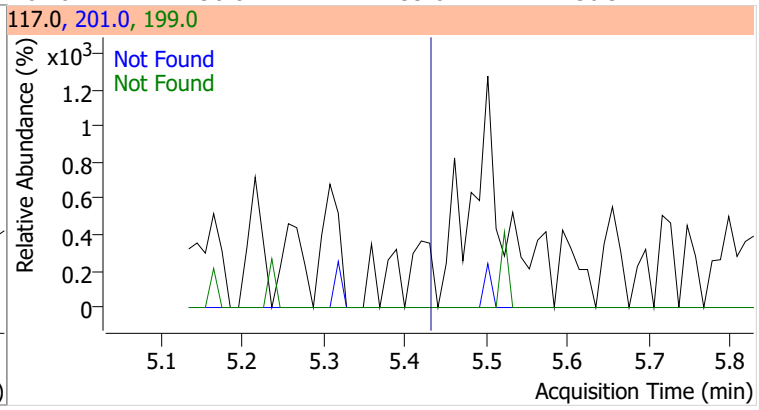
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



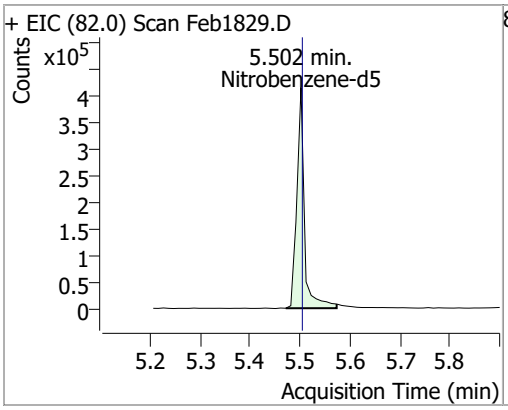


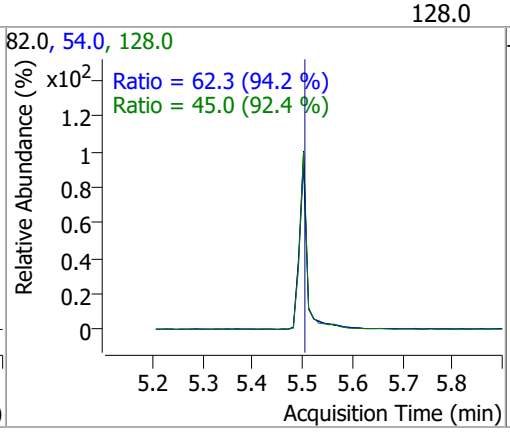
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

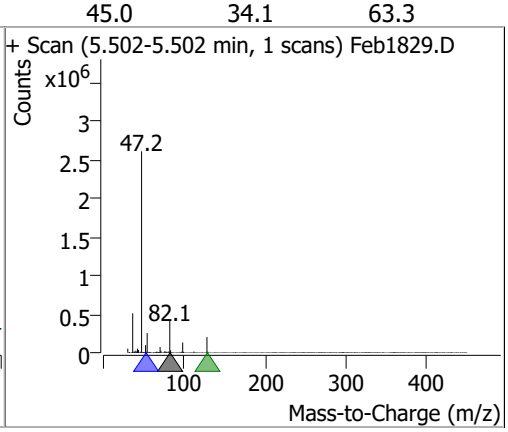




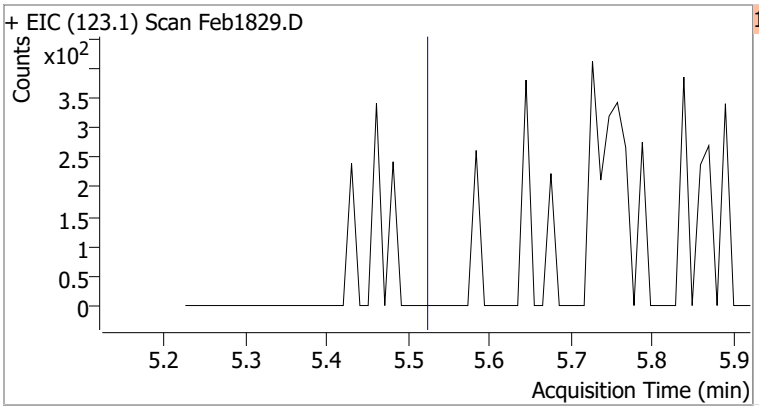
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	58.9113	5.50	0.00	437211	54.0	62.3	46.3	86.0
					128.0	45.0	34.1	63.3

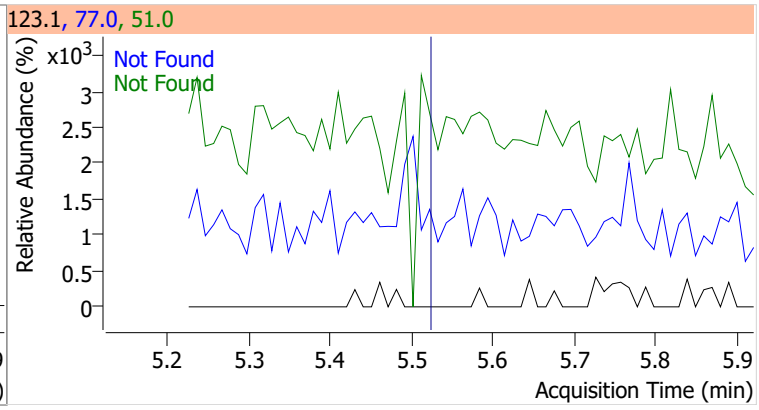




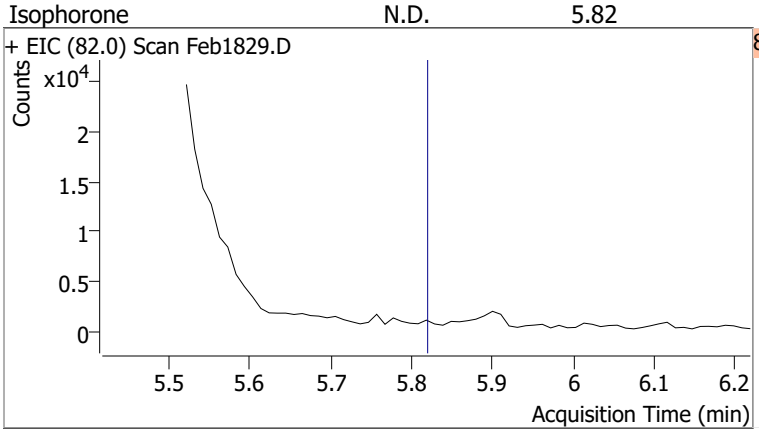


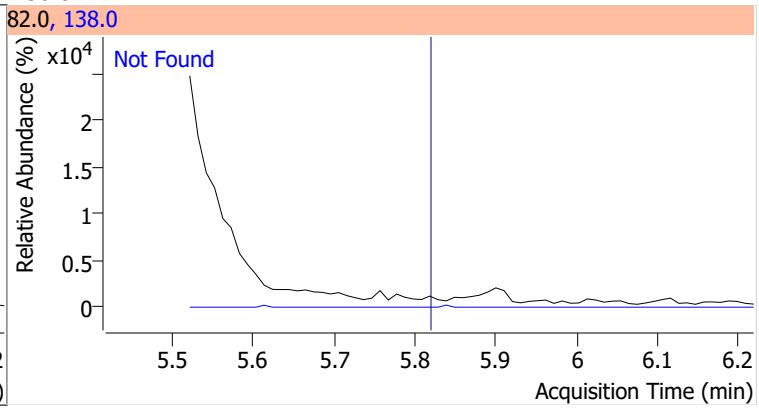
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



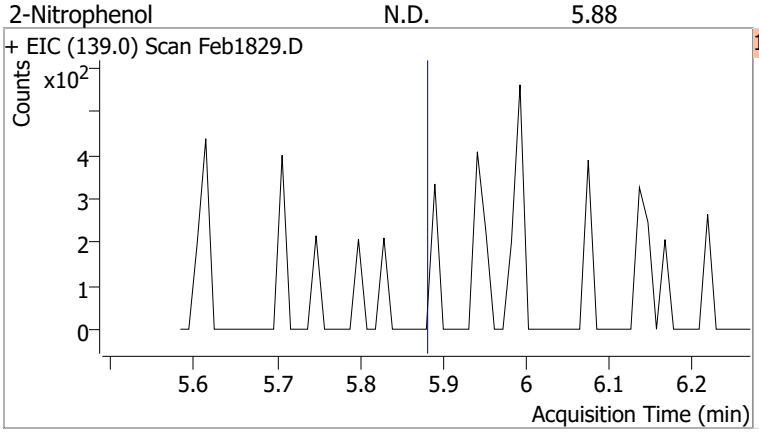


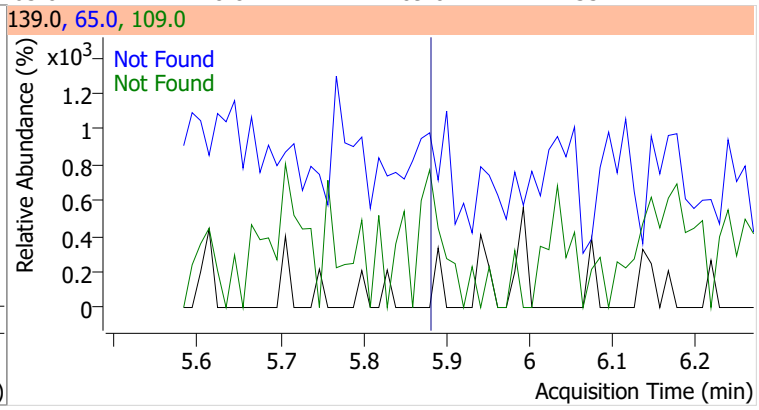
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



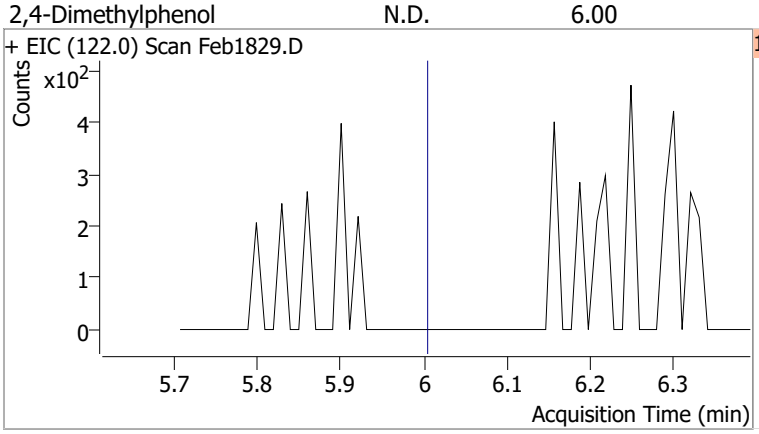


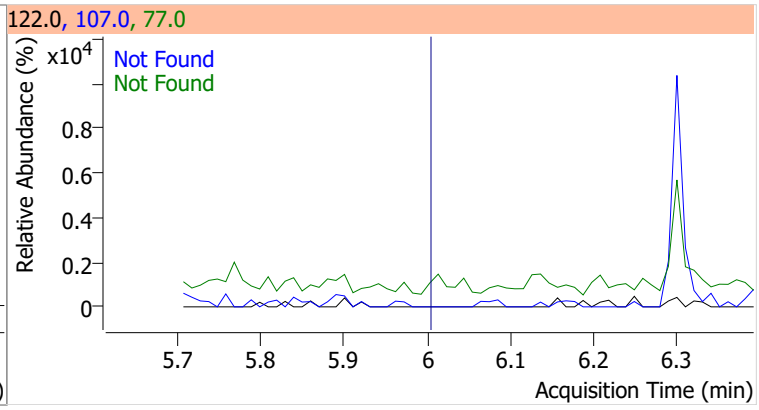
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



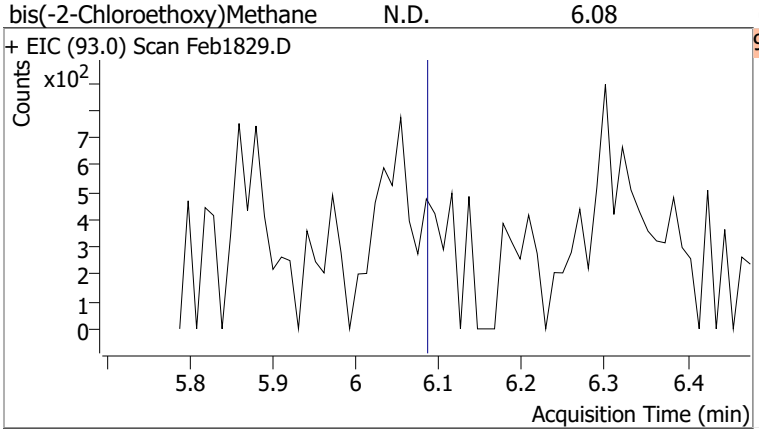


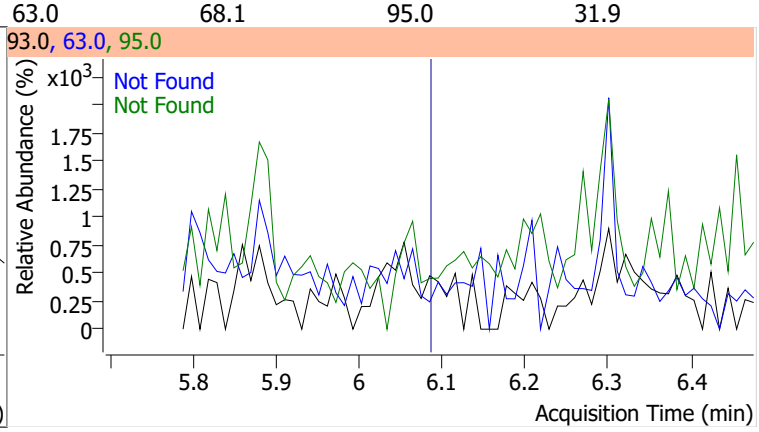
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



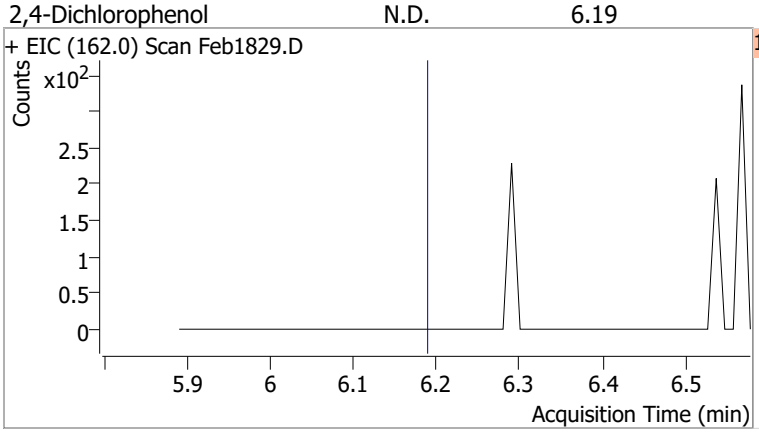


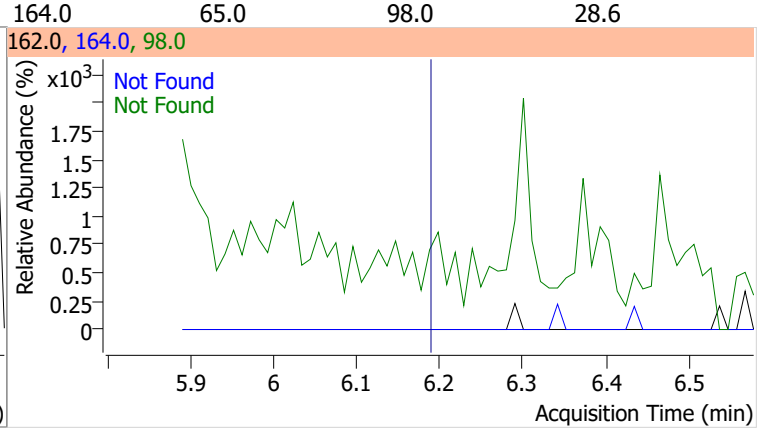
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



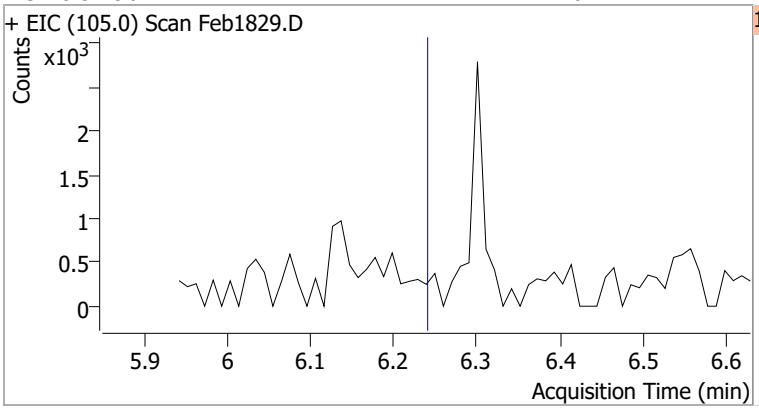


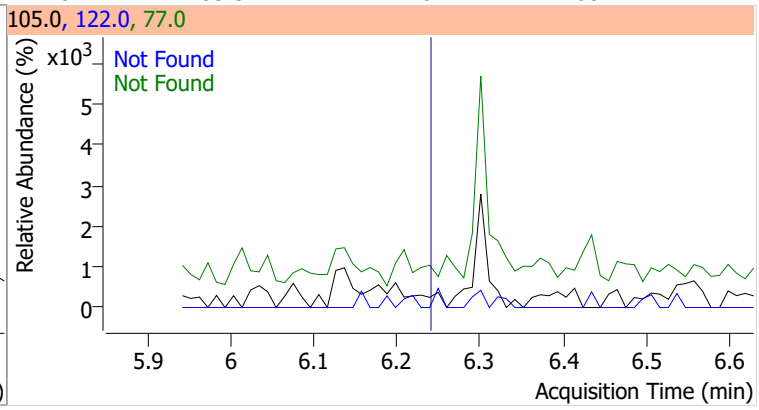
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



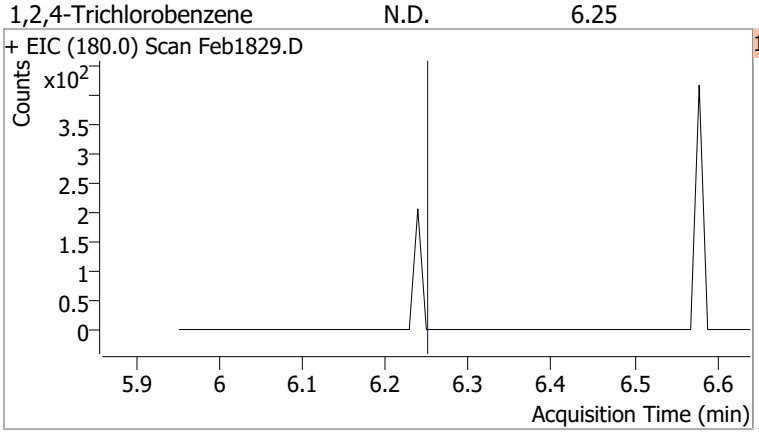


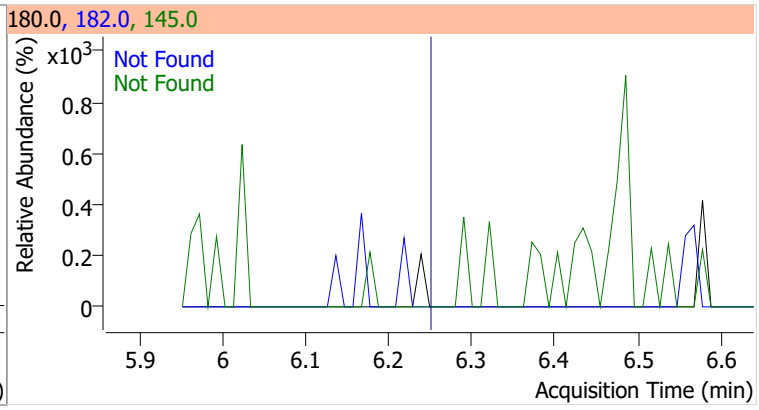
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



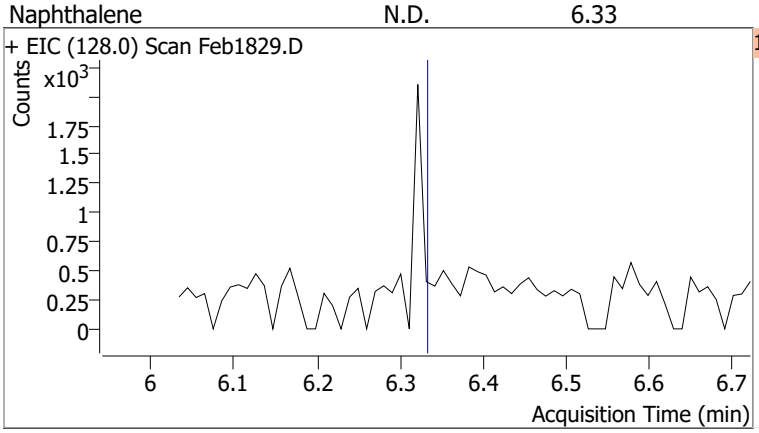


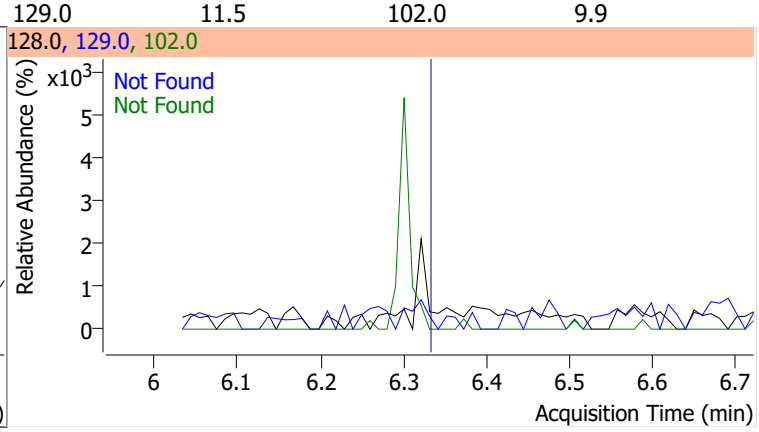
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



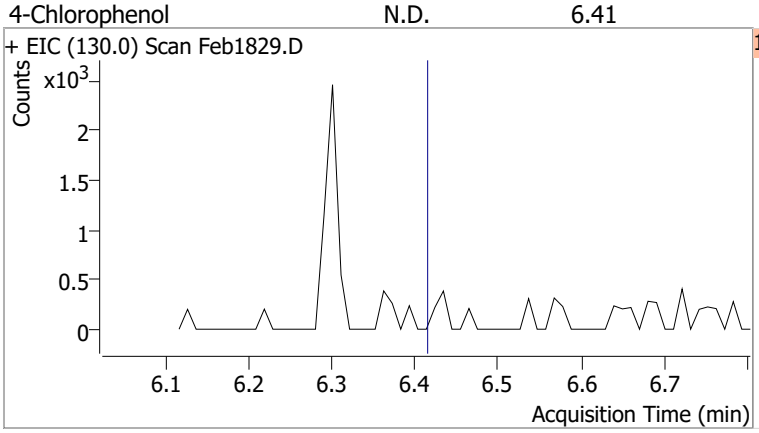


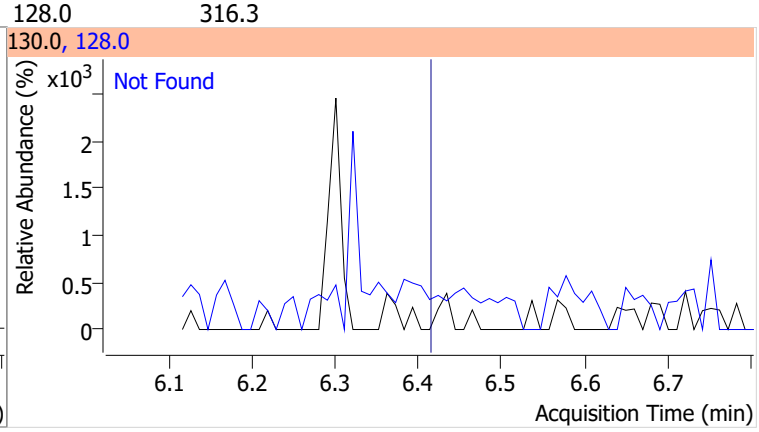
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



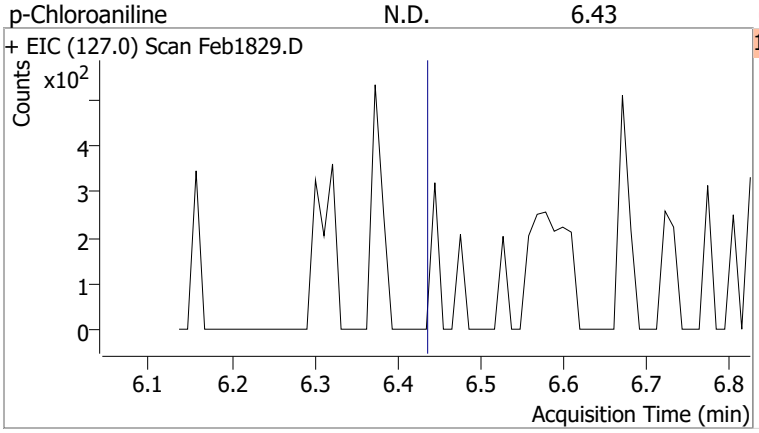


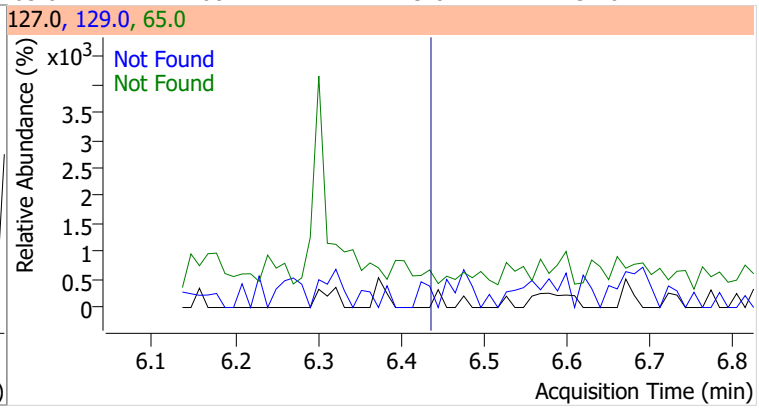
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorophenol	N.D.	6.41	128.0	316.3



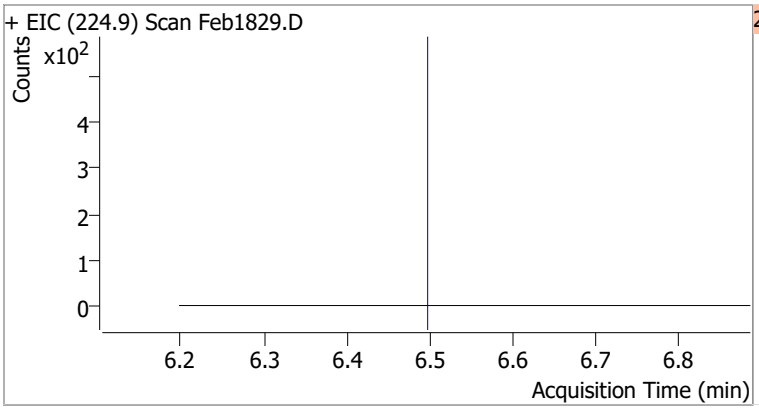


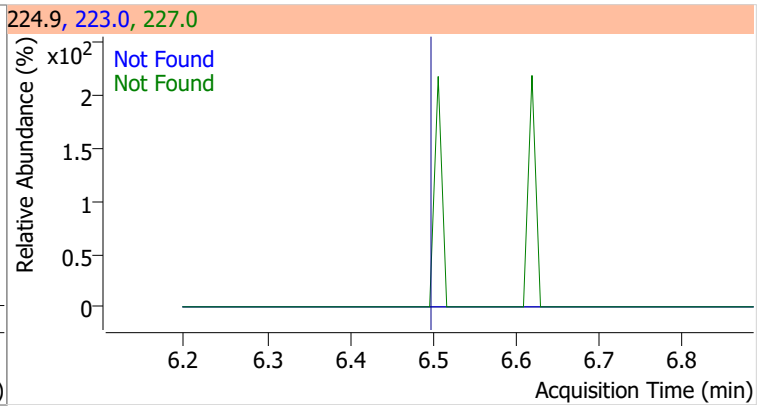
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



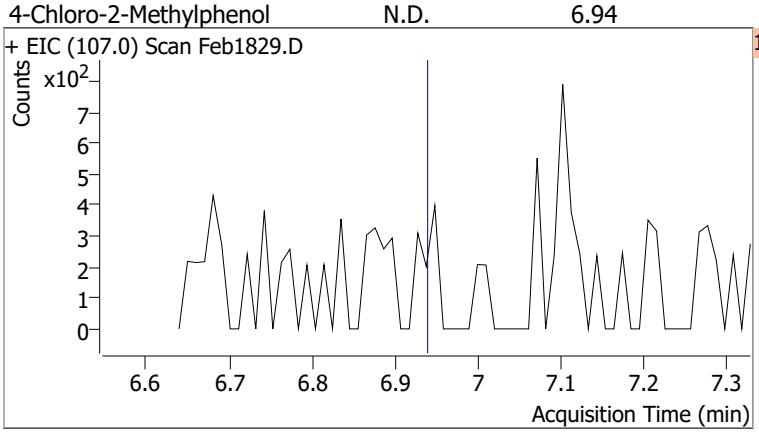


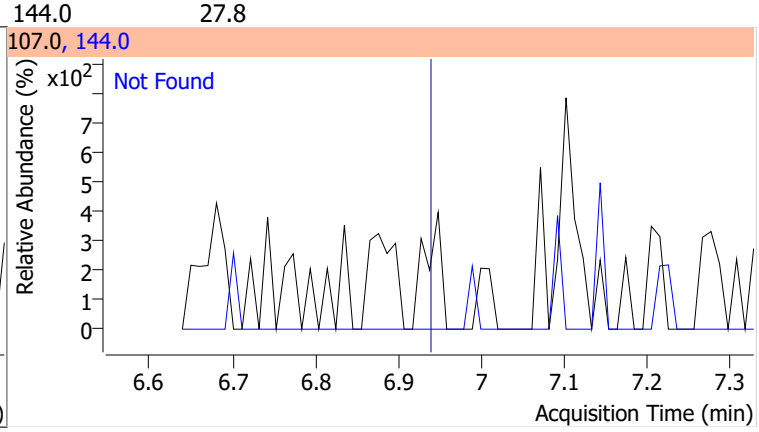
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



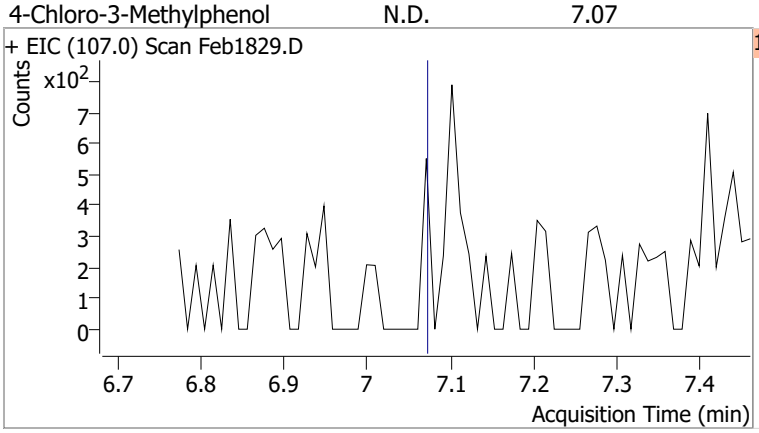


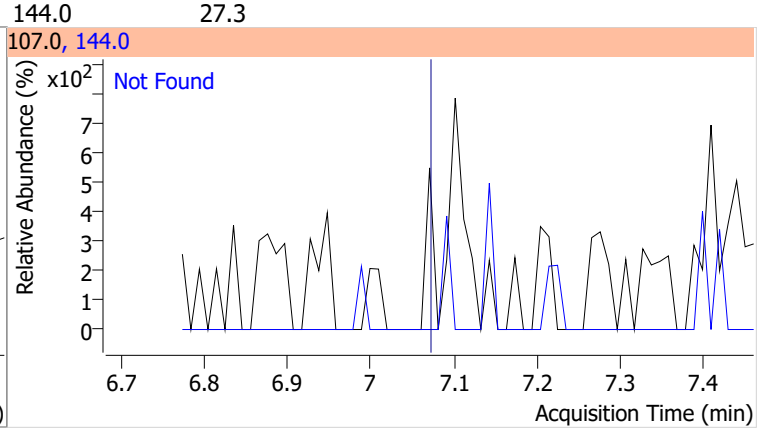
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



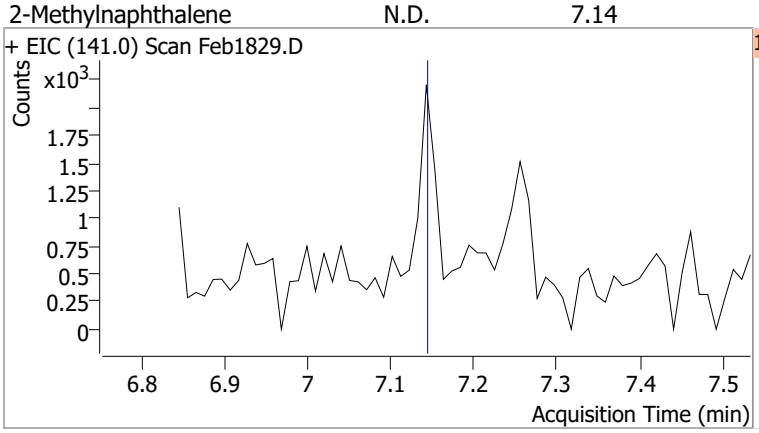


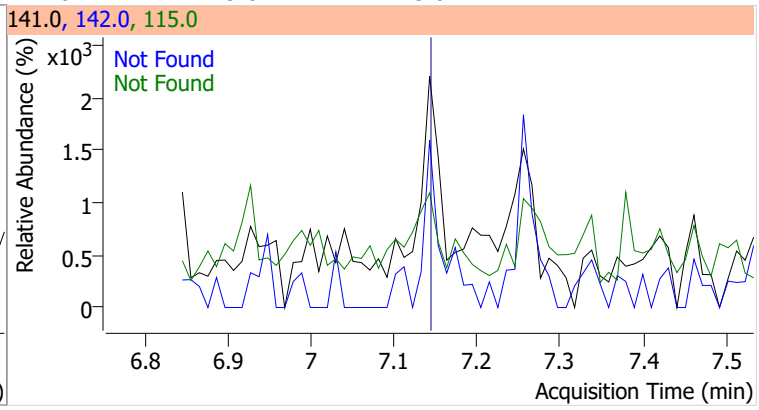
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



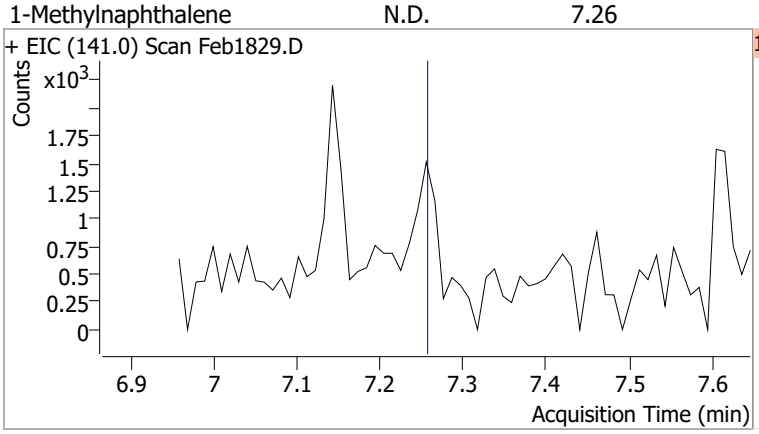


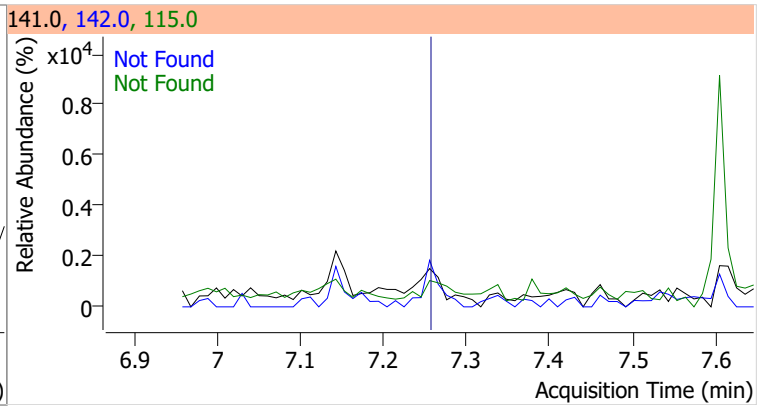
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



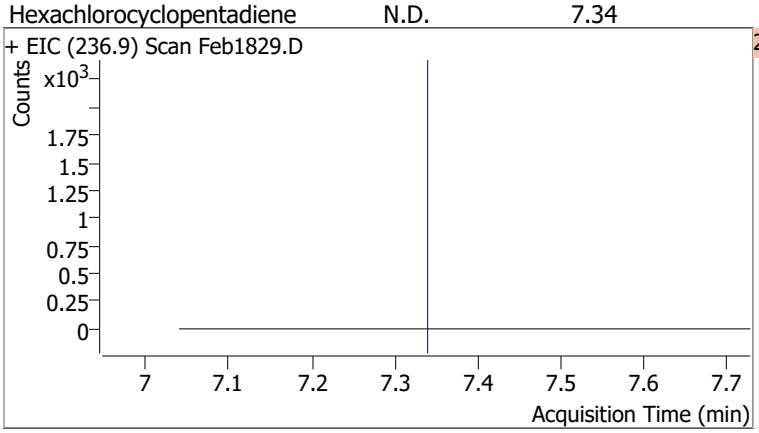


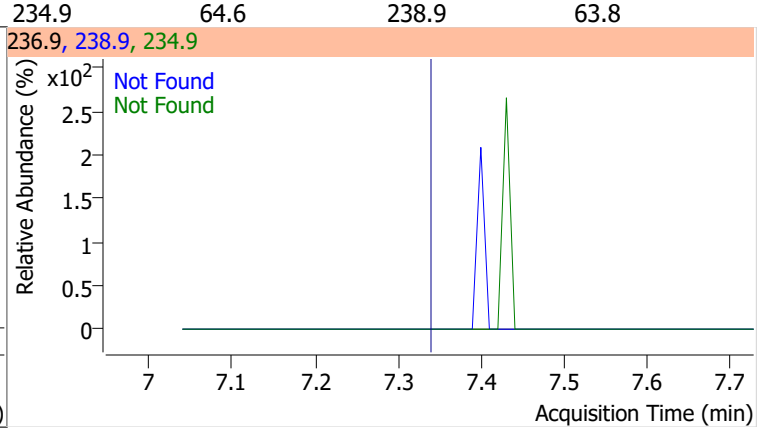
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



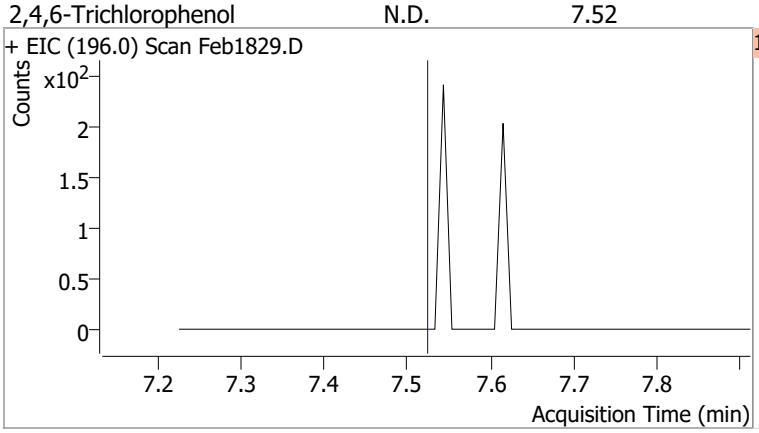


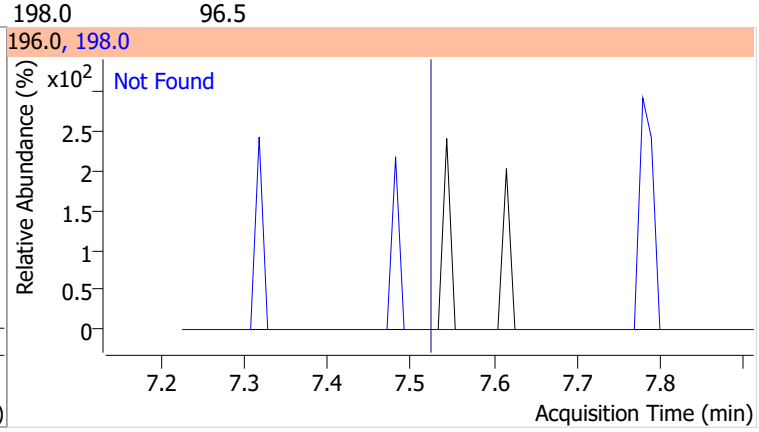
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



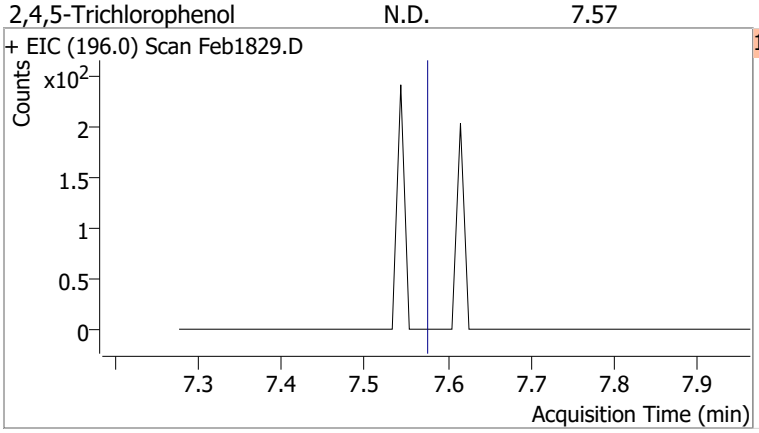


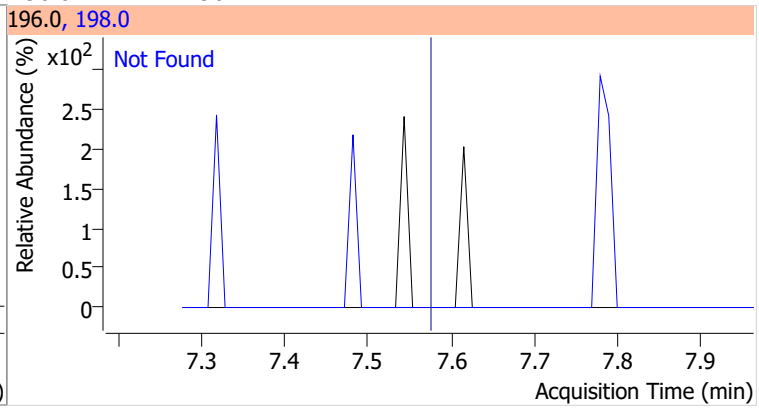
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



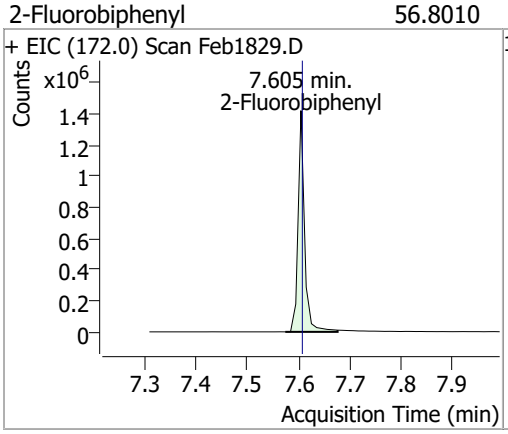


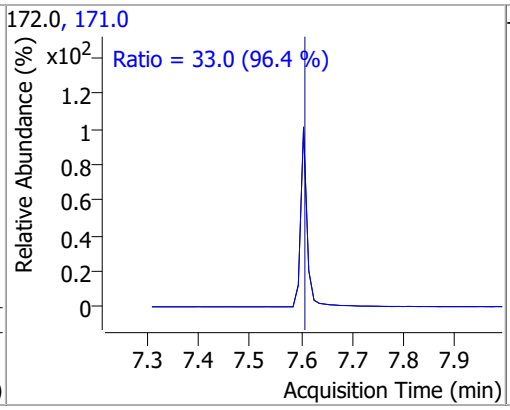
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

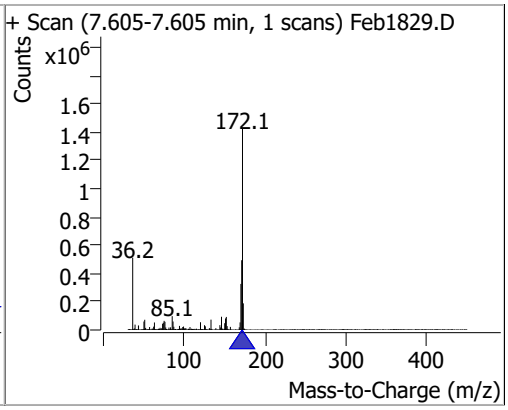




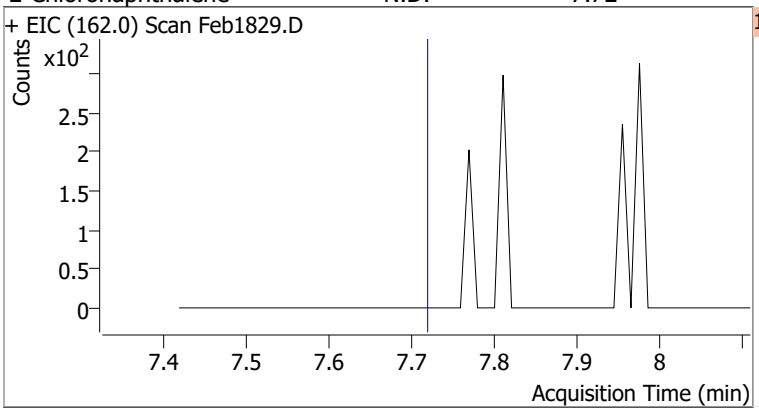
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	56.8010	7.60	0.00	1249452	171.0	33.0	24.0	44.5

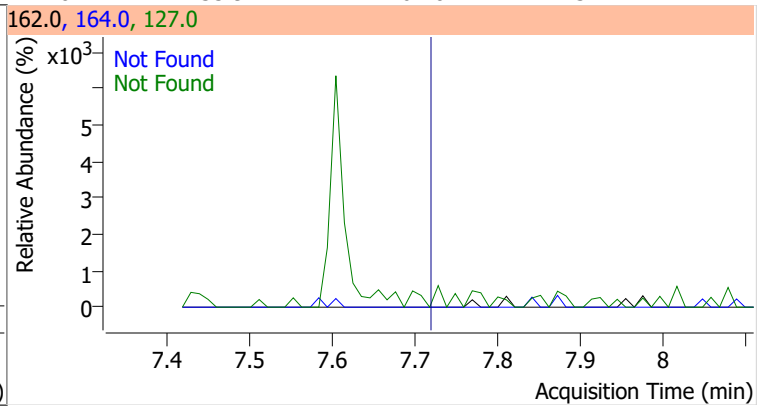




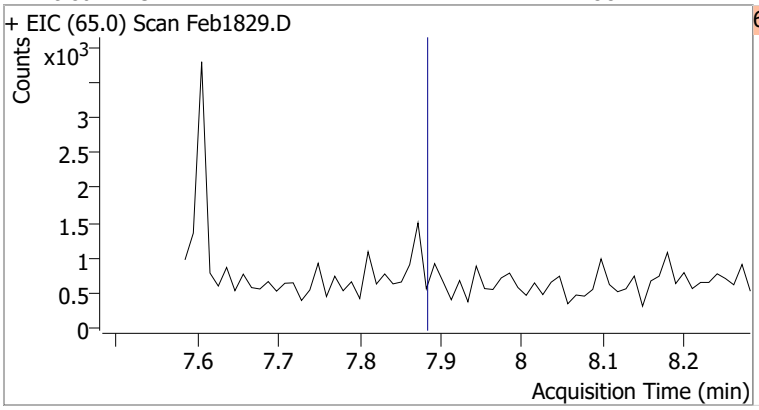


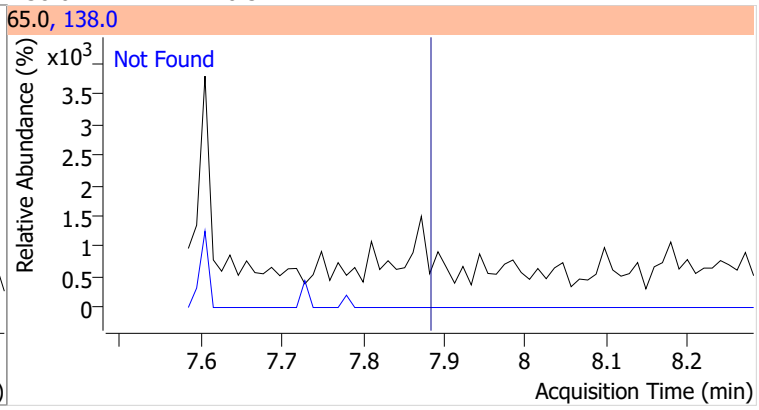
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



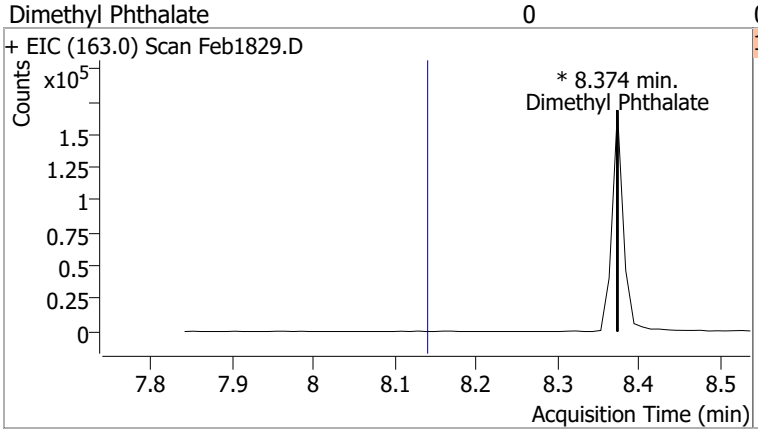


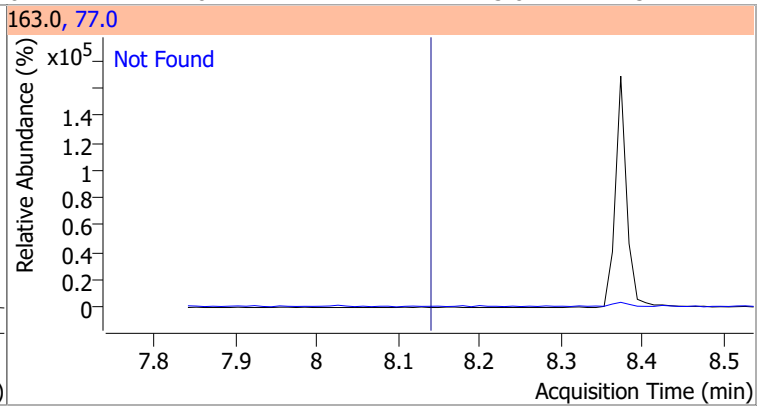
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



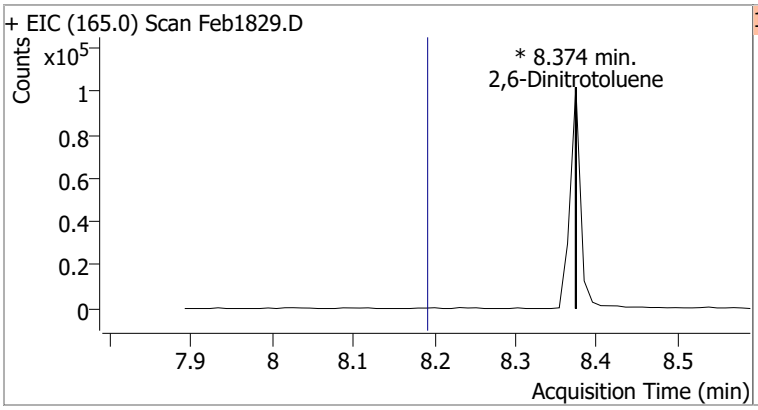


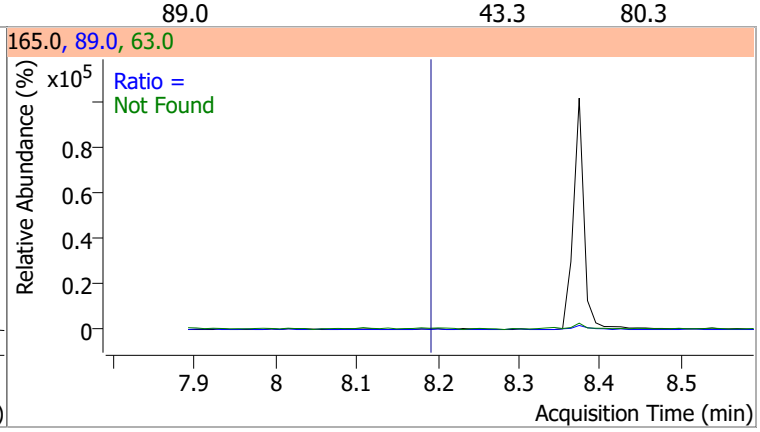
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



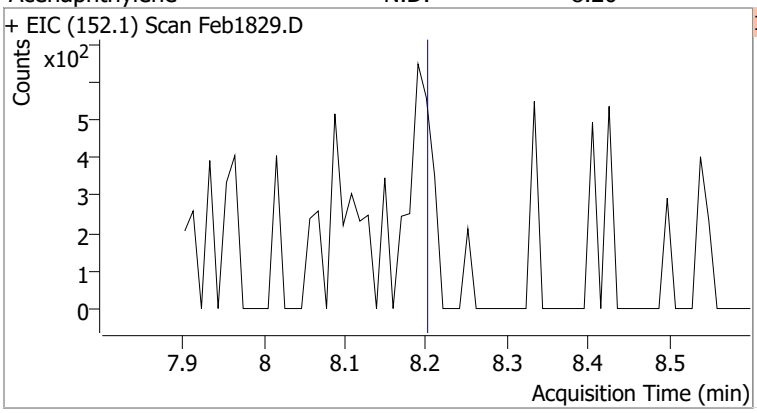


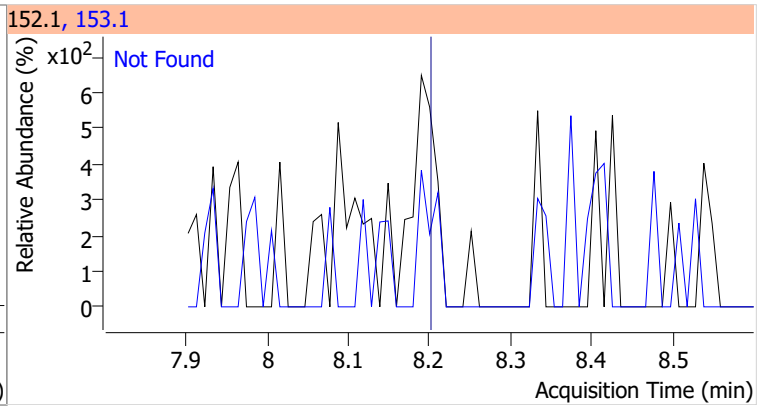
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



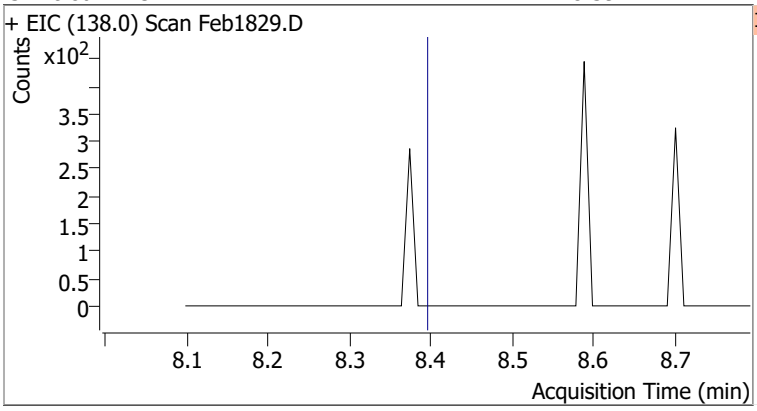


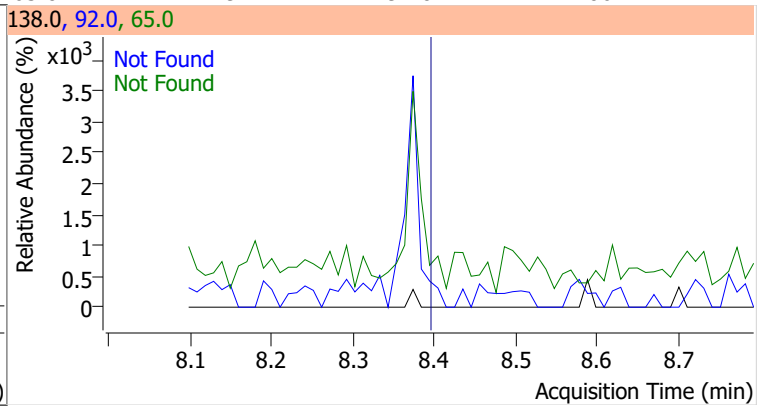
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



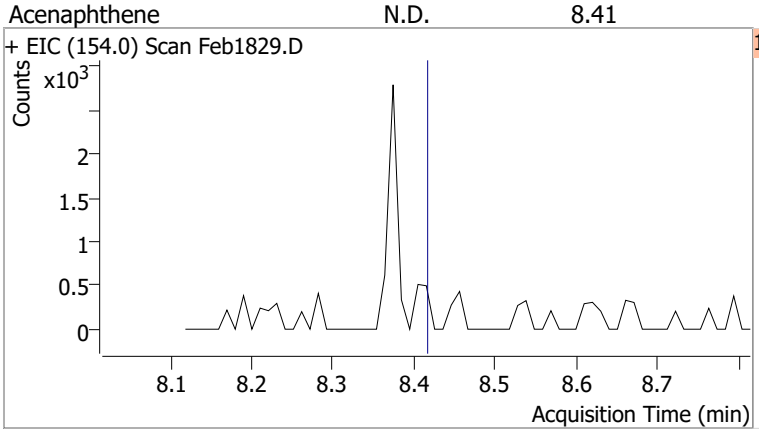


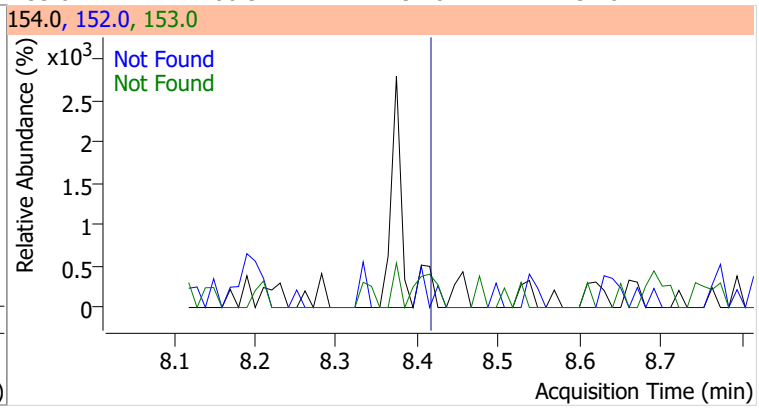
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



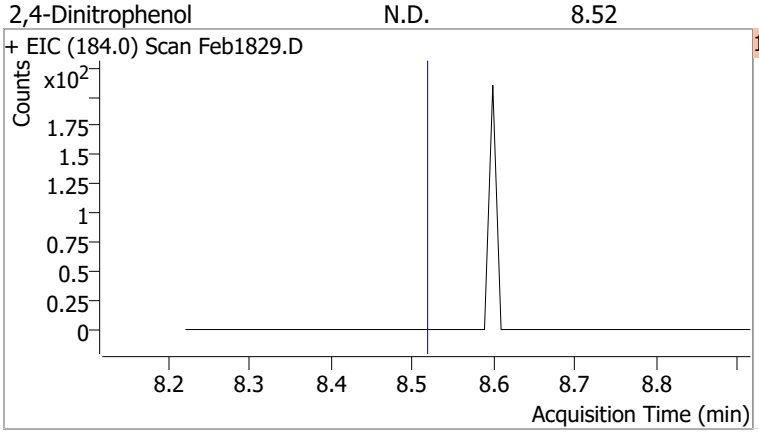


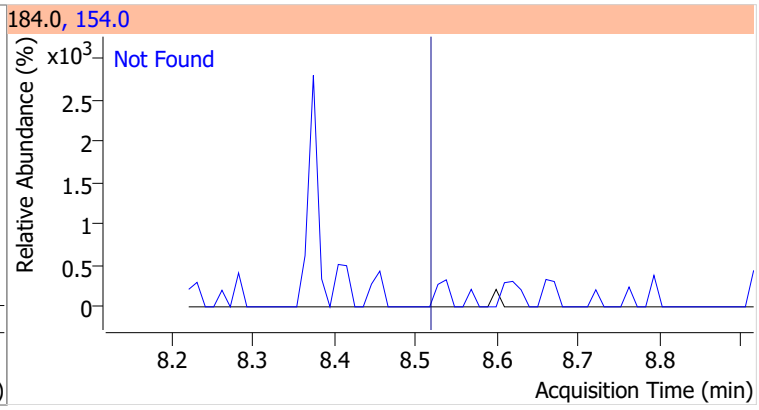
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



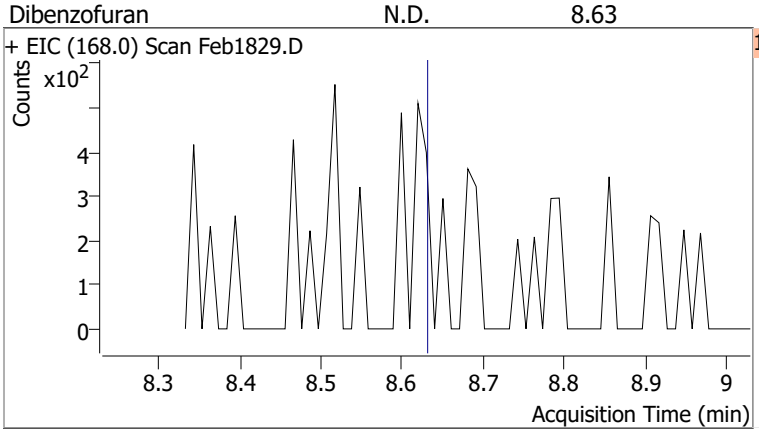


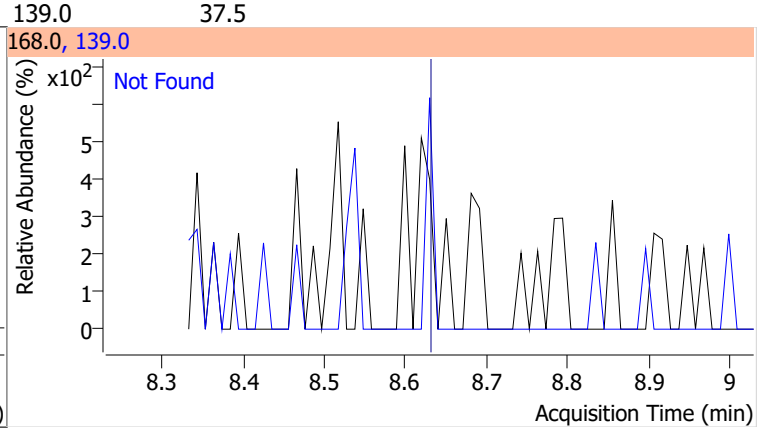
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



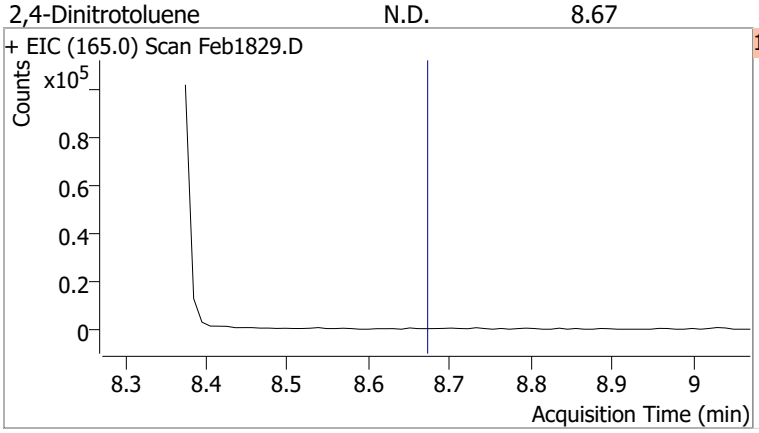


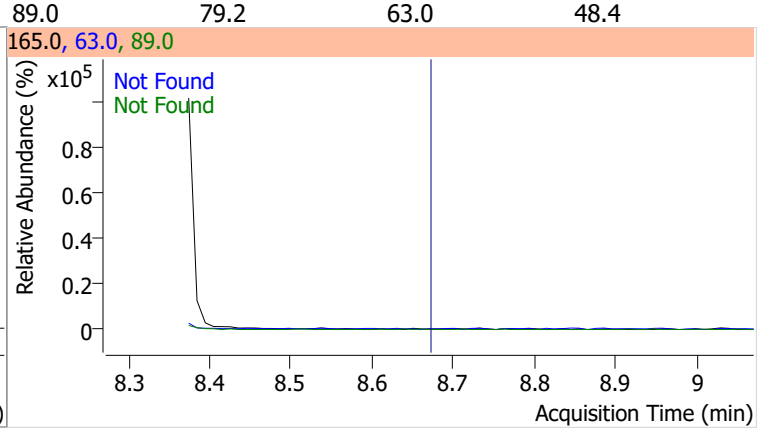
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



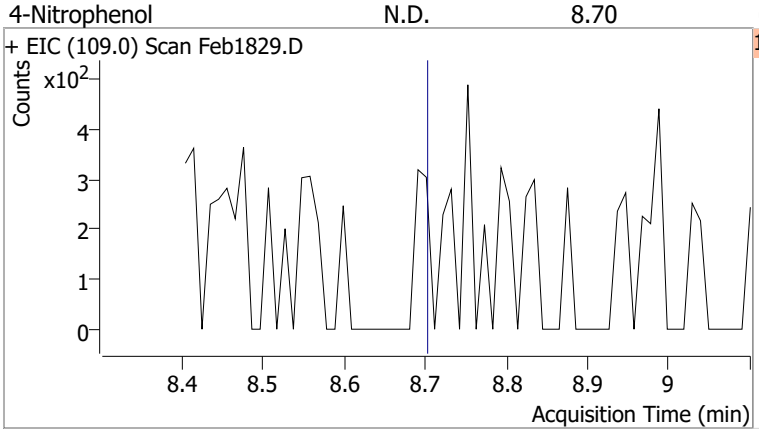


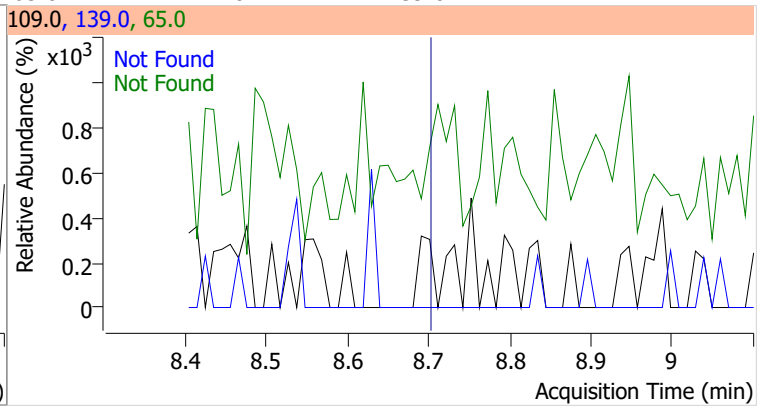
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



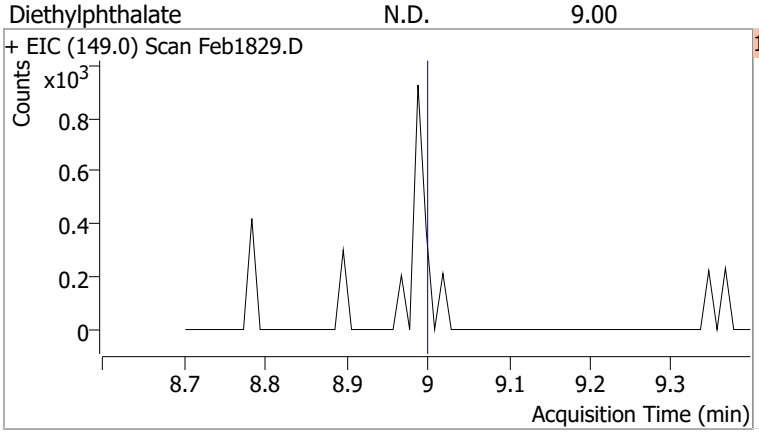


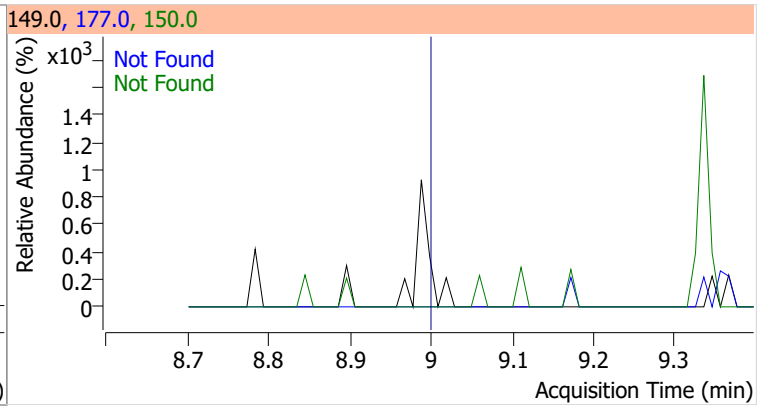
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



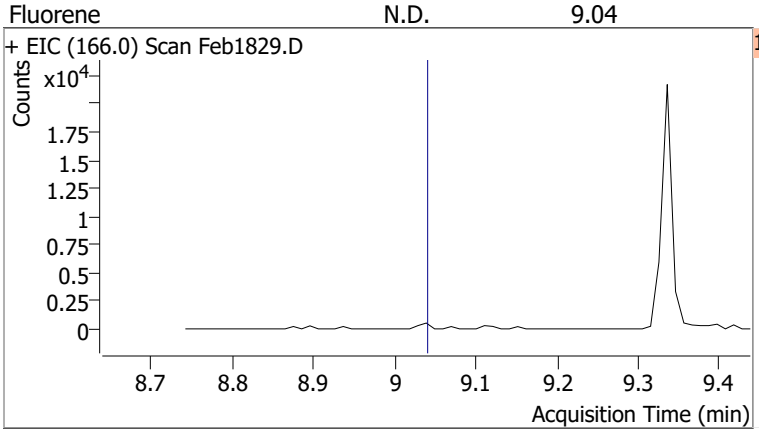


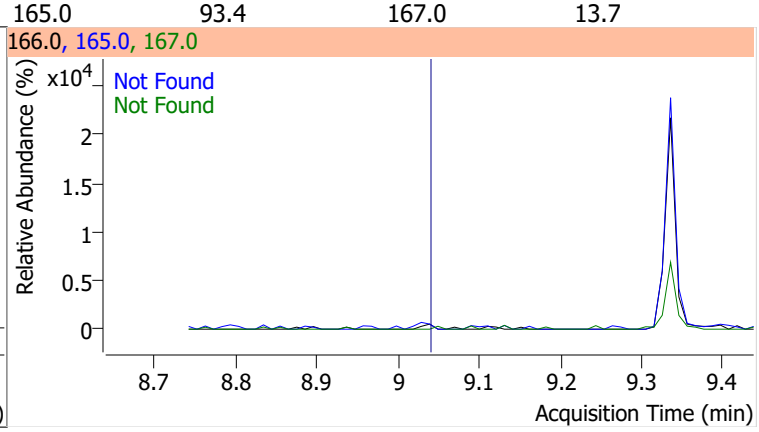
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



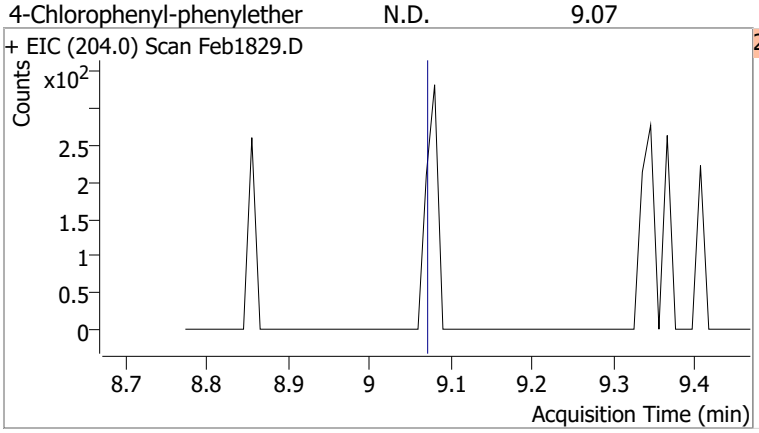


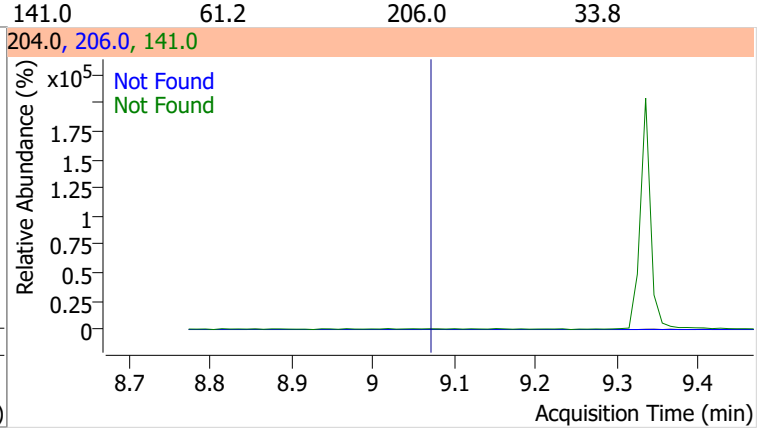
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



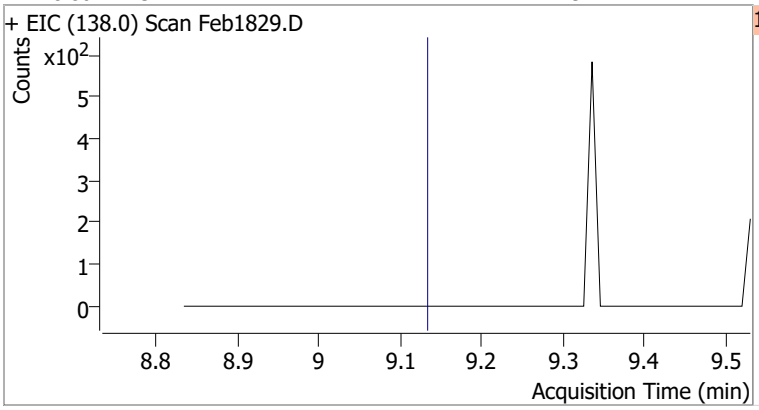


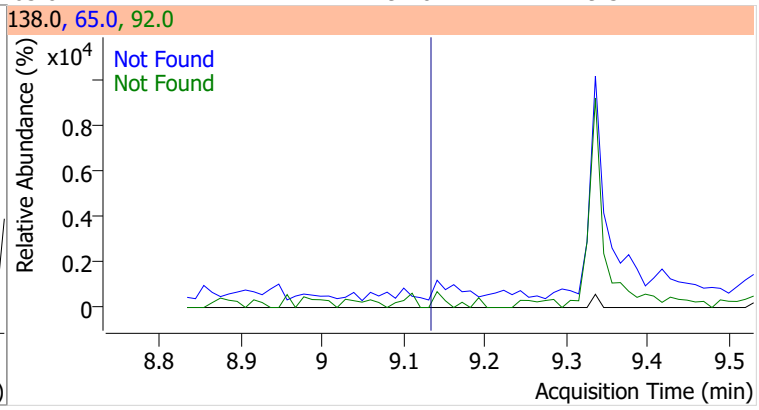
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



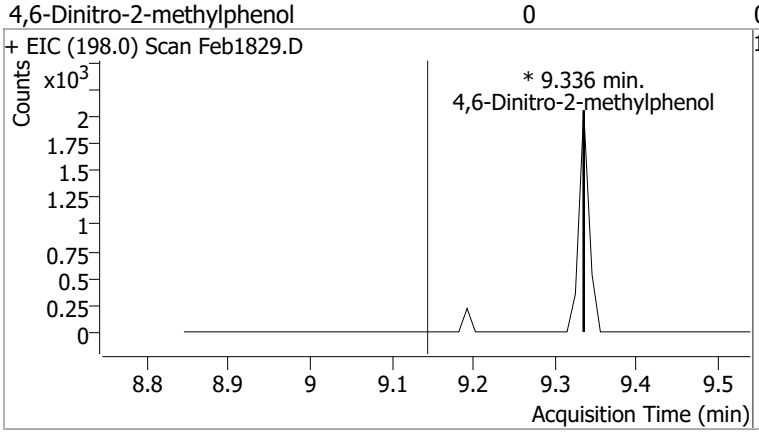


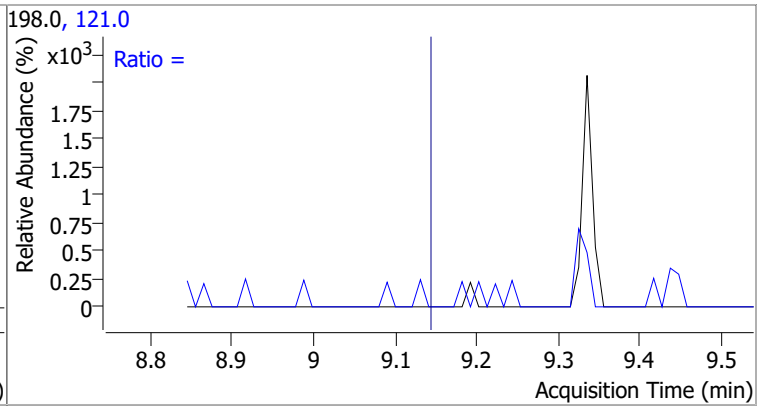
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



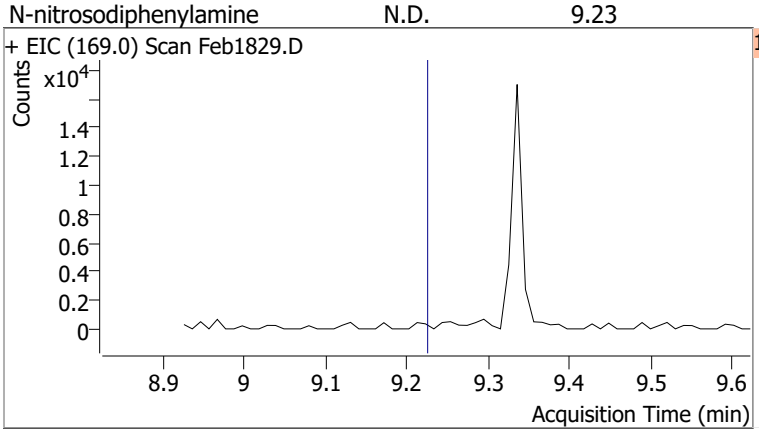


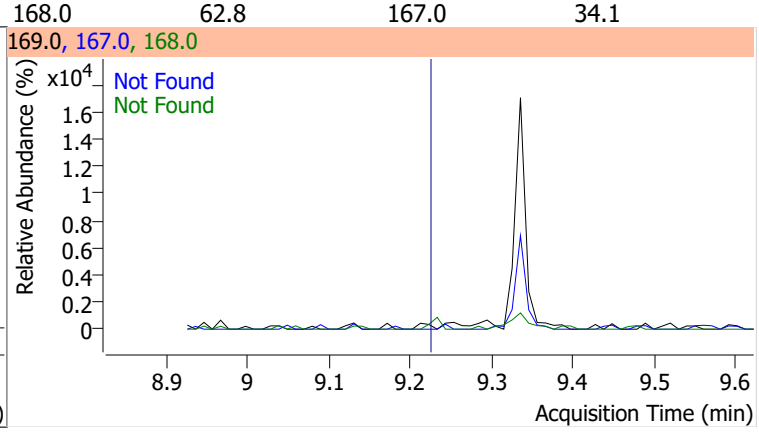
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



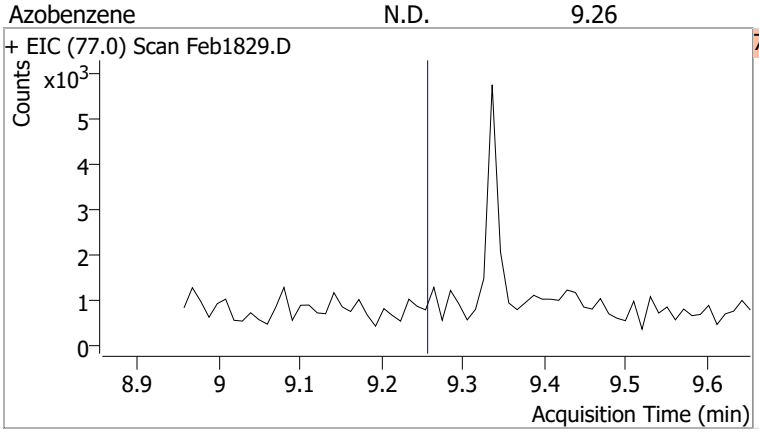


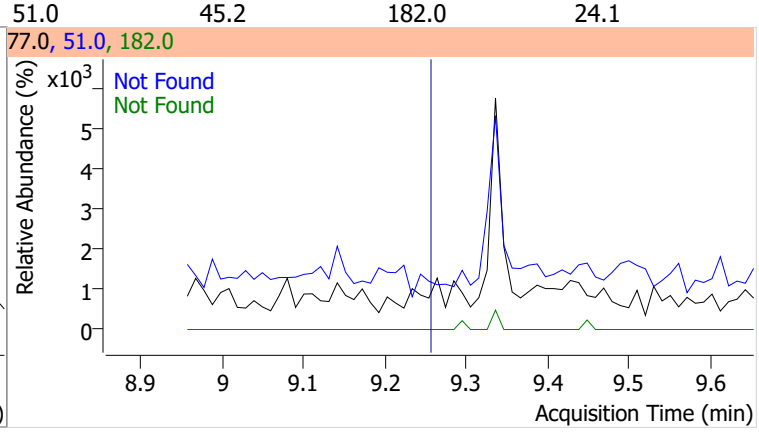
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



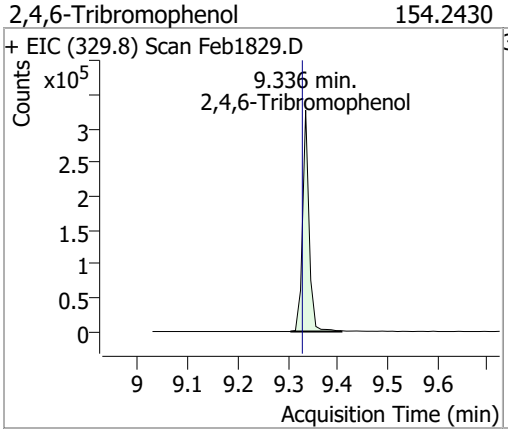


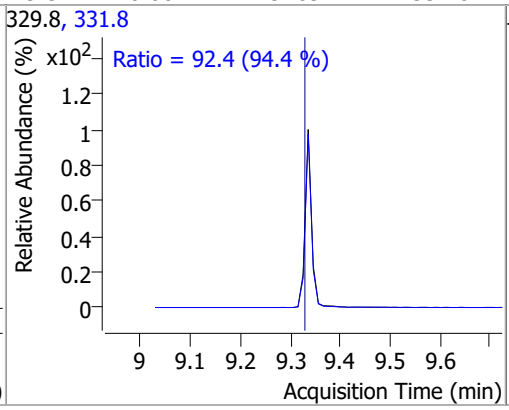
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

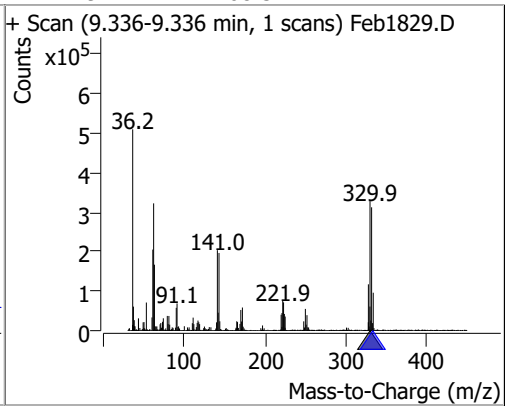




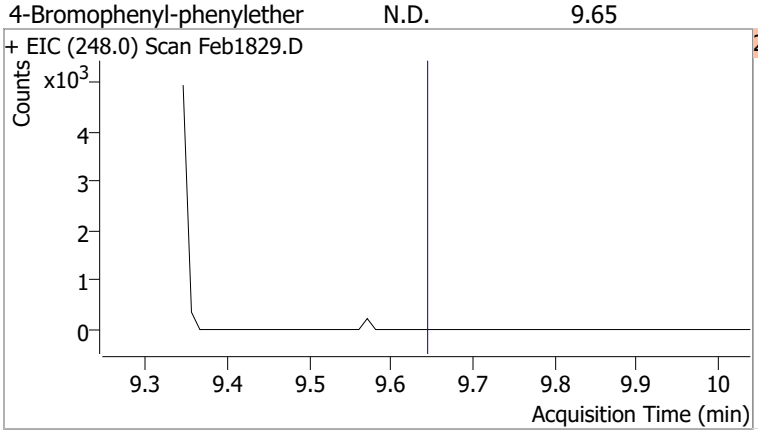
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	154.2430	9.34	0.00	297892	331.8	92.4	68.5	127.2

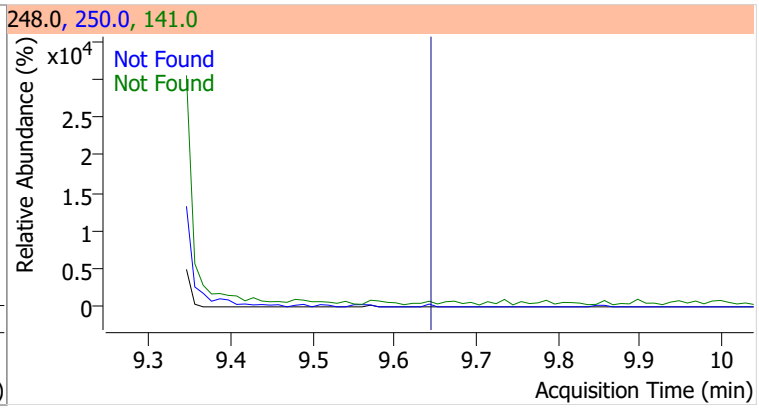




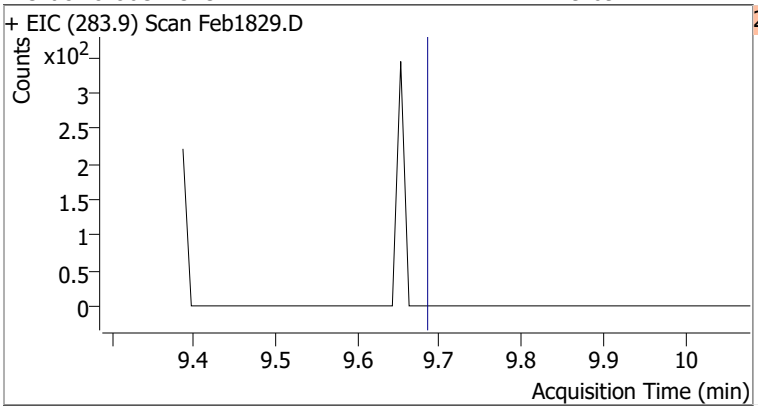


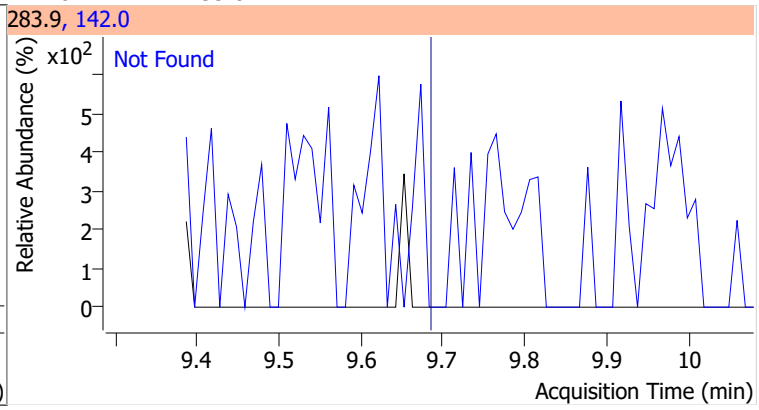
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



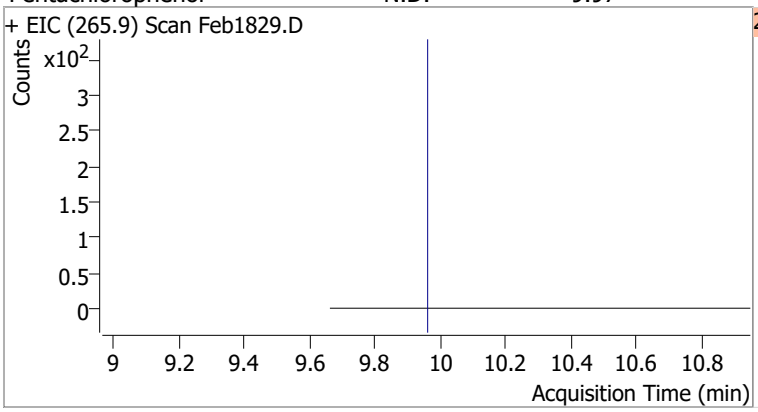


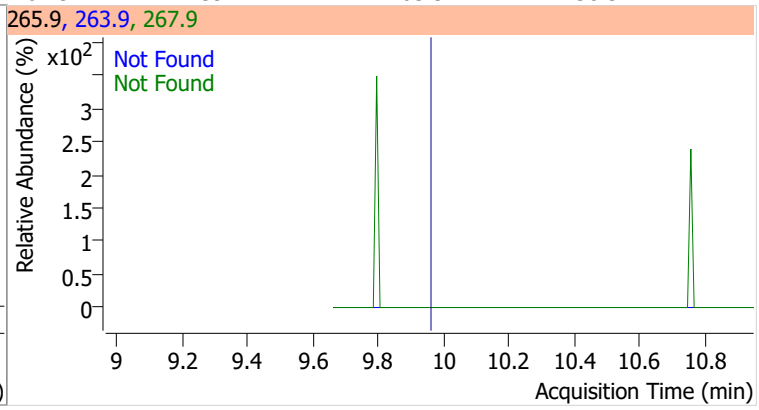
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



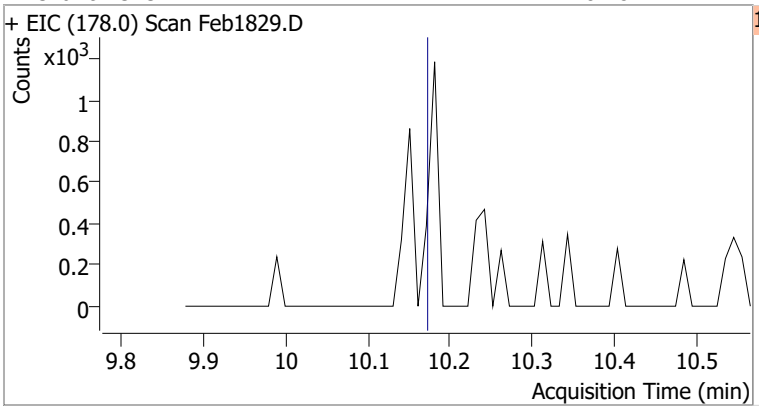


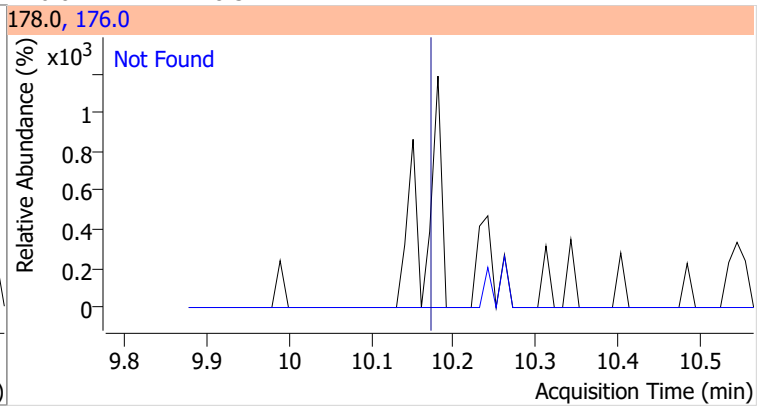
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



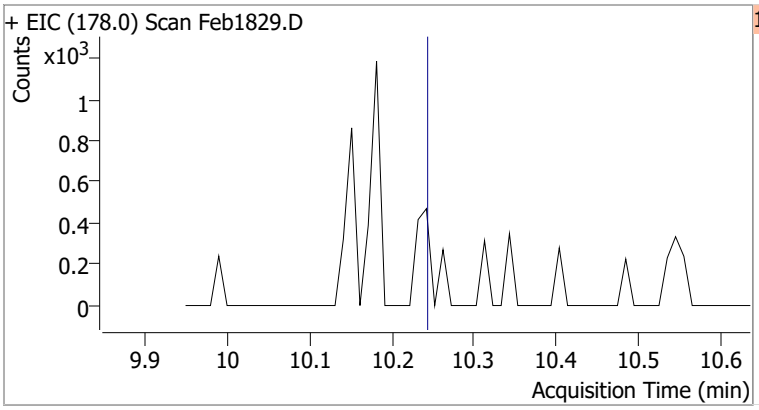


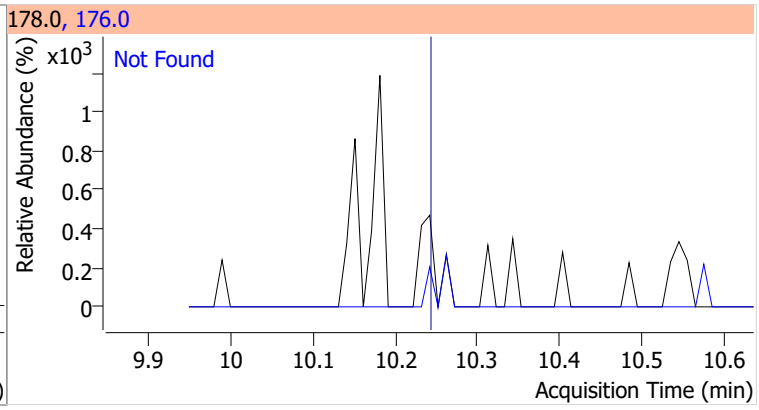
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



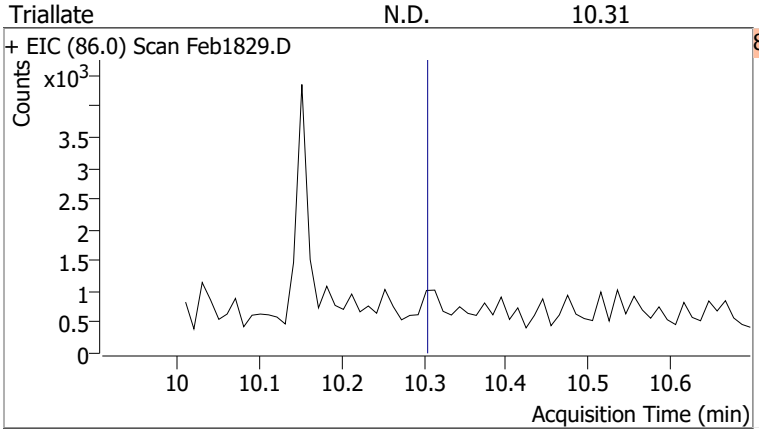


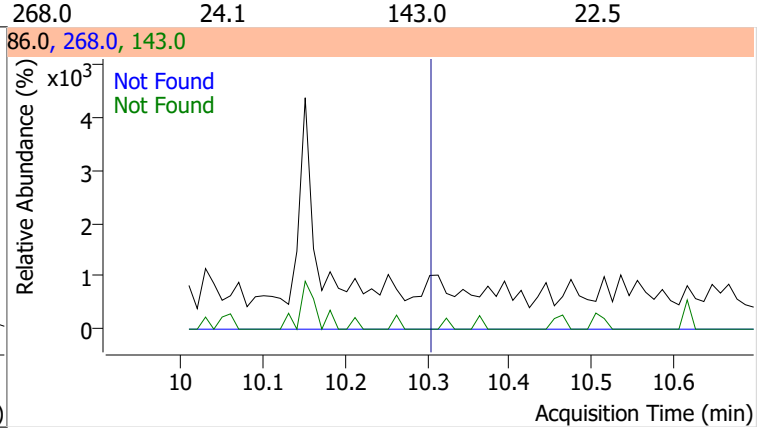
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



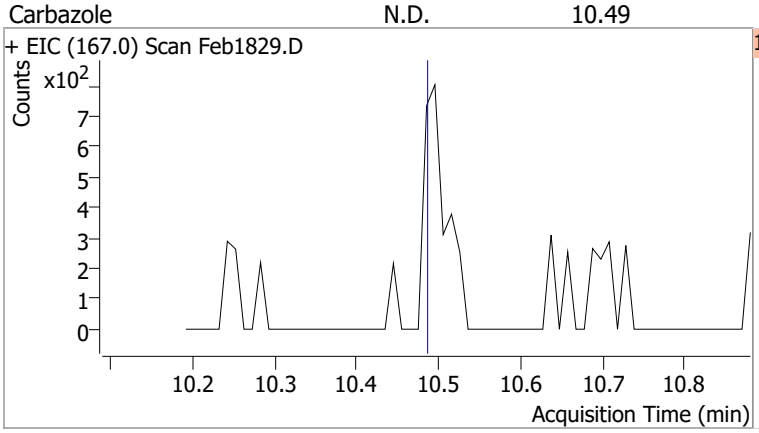


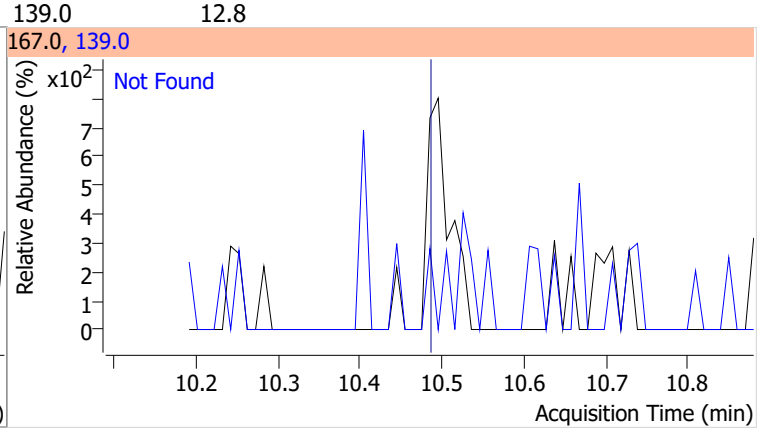
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



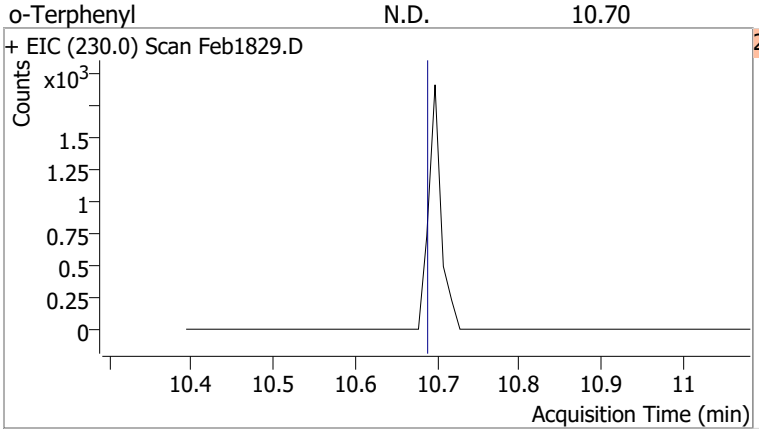


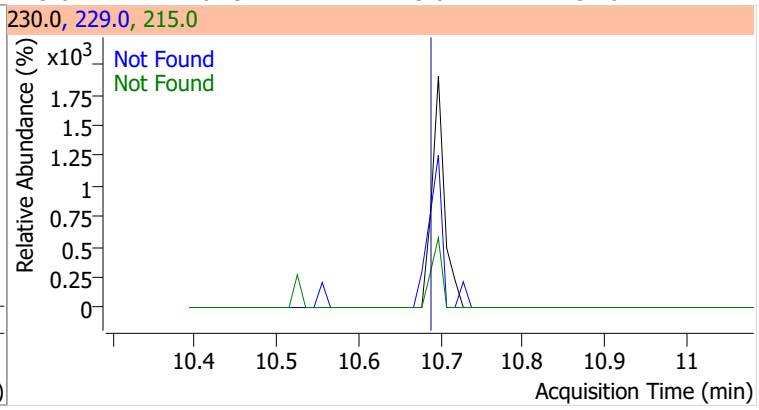
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



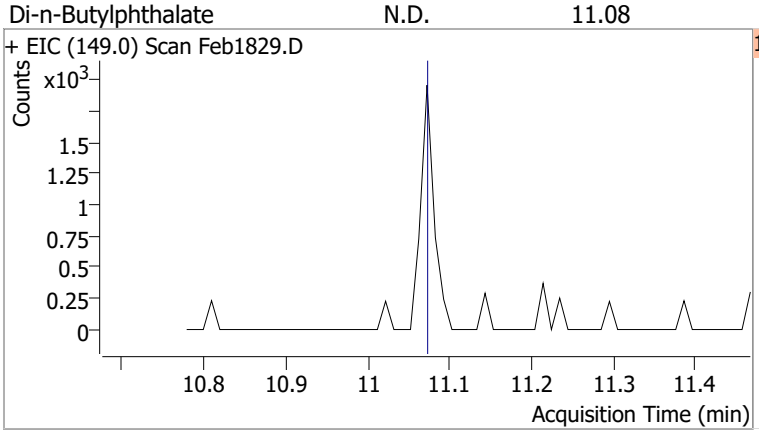


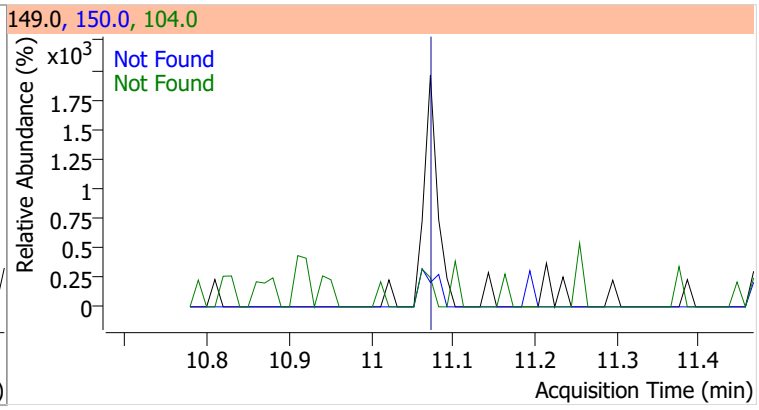
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



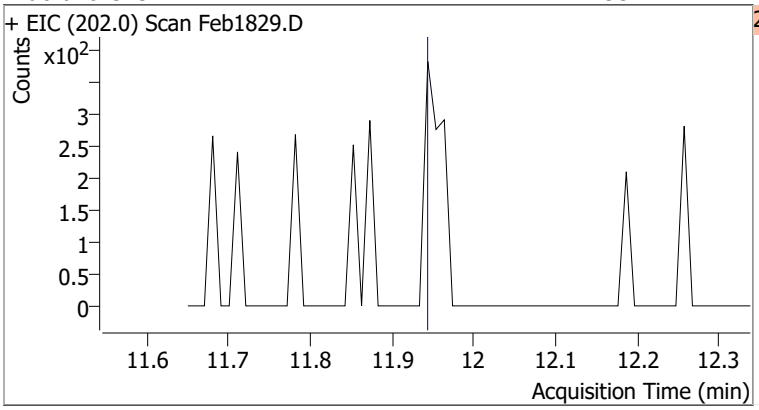


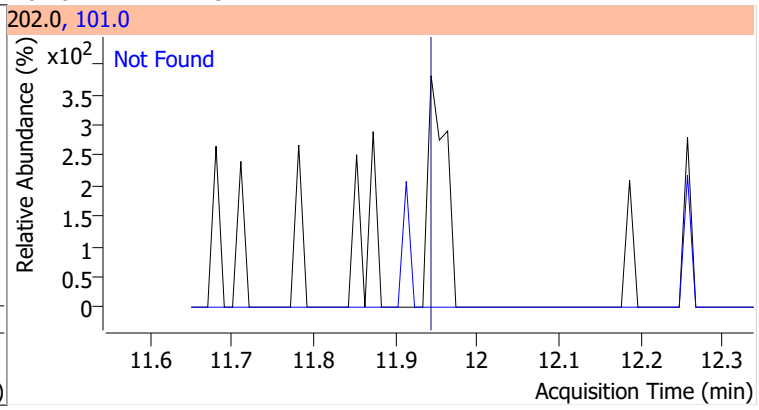
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



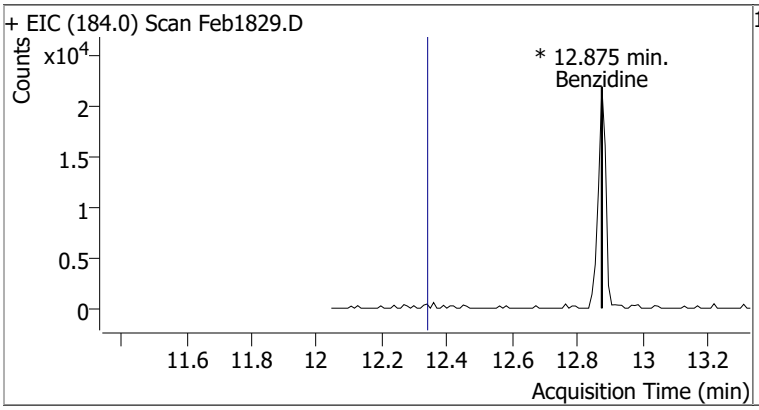


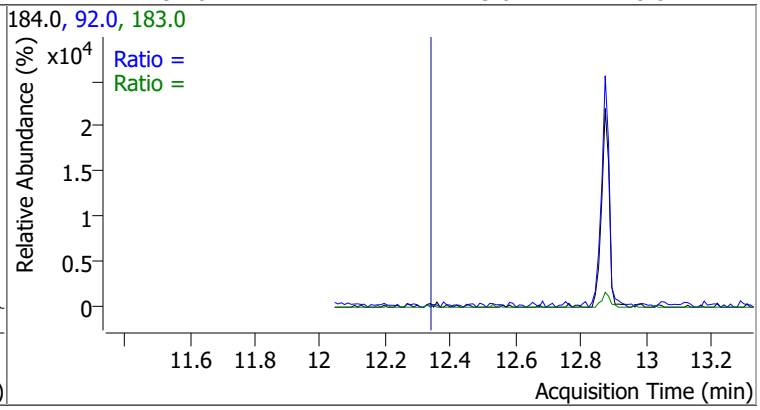
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



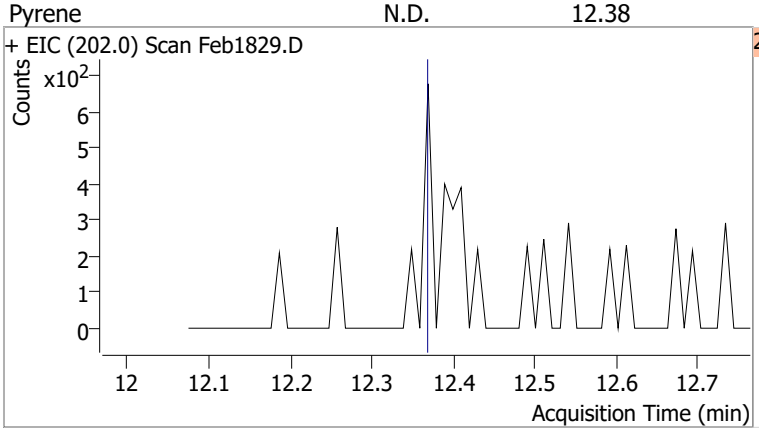


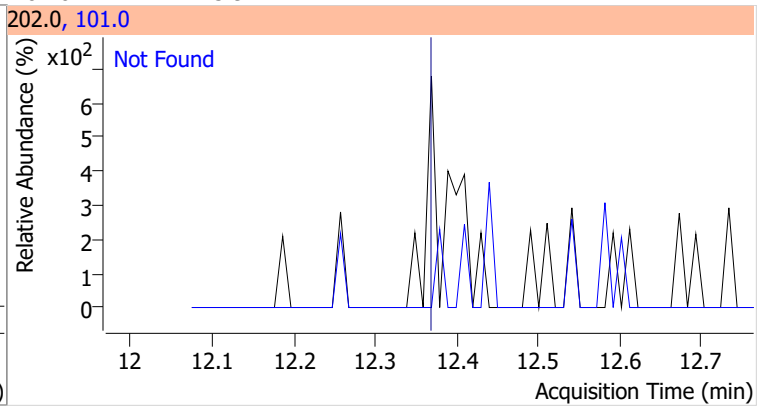
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



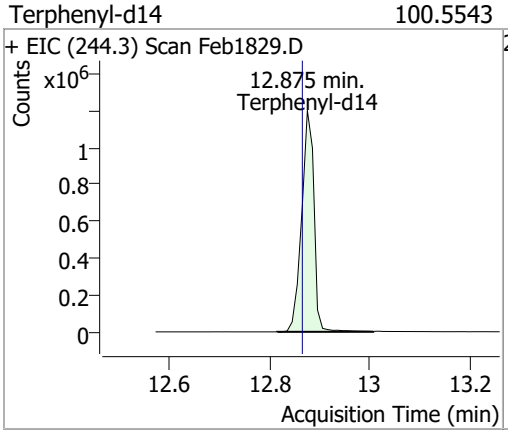


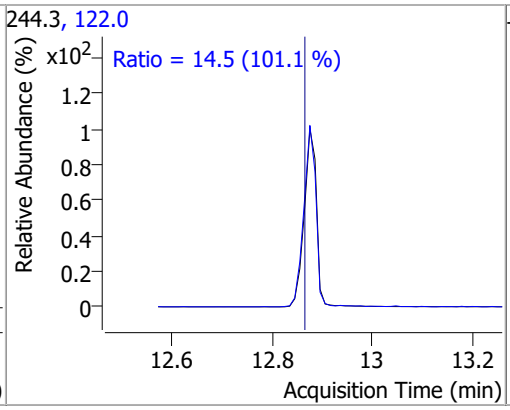
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

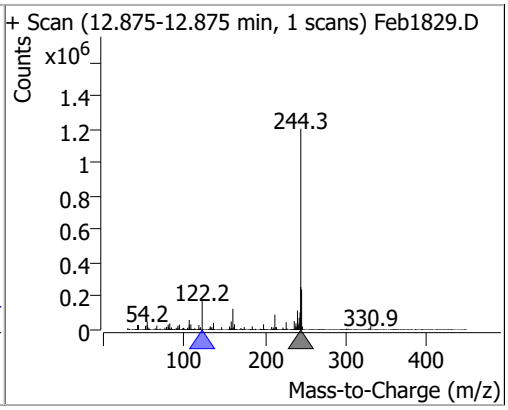




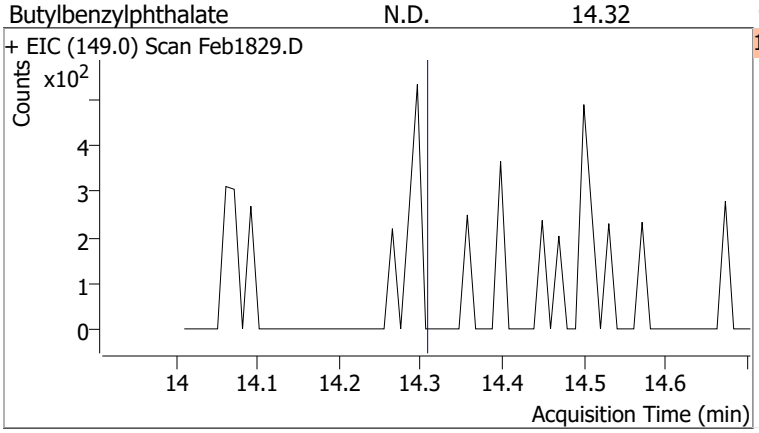
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	100.5543	12.88	0.00	2064066	122.0	14.5	10.1	18.7

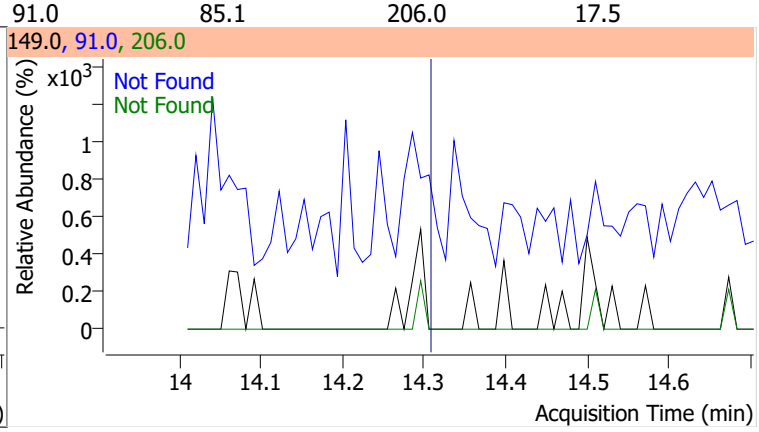




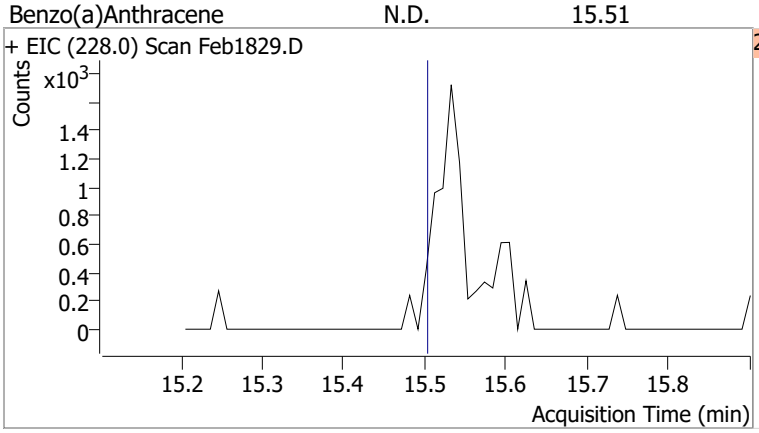


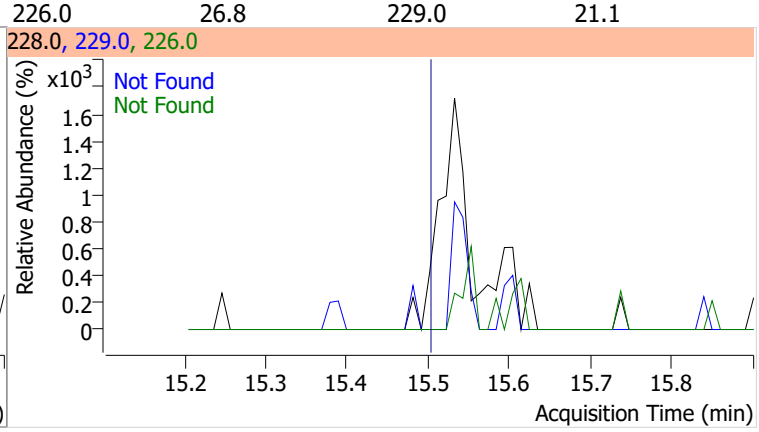
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



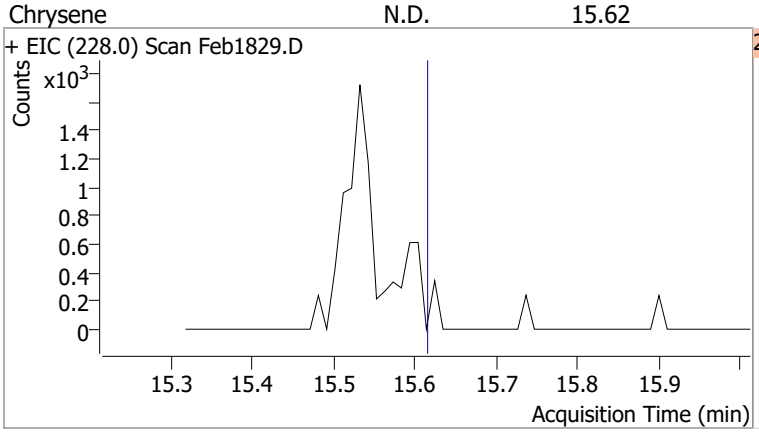


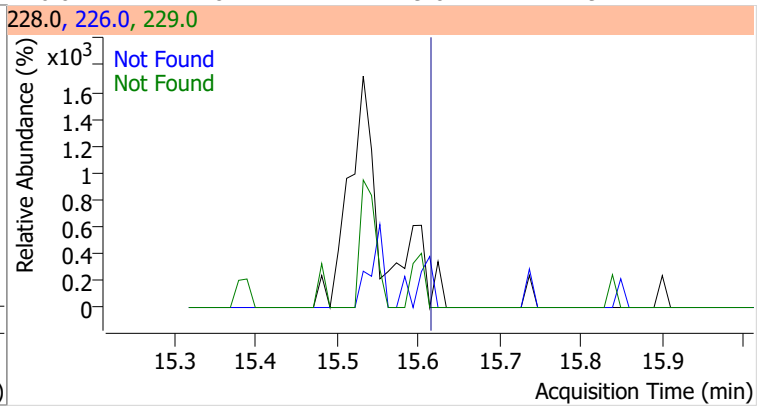
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



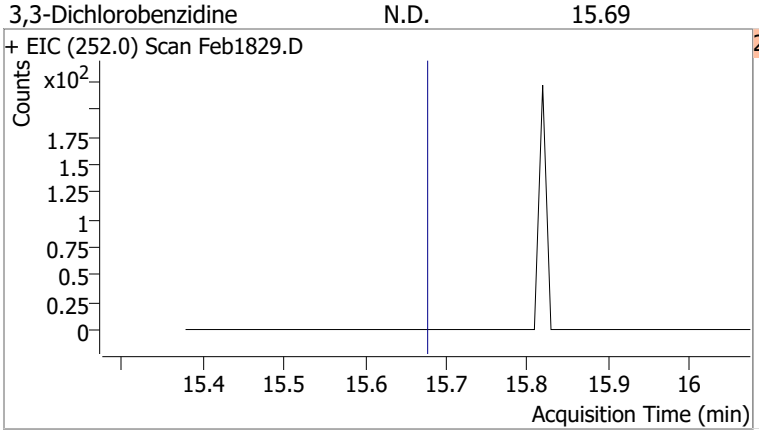


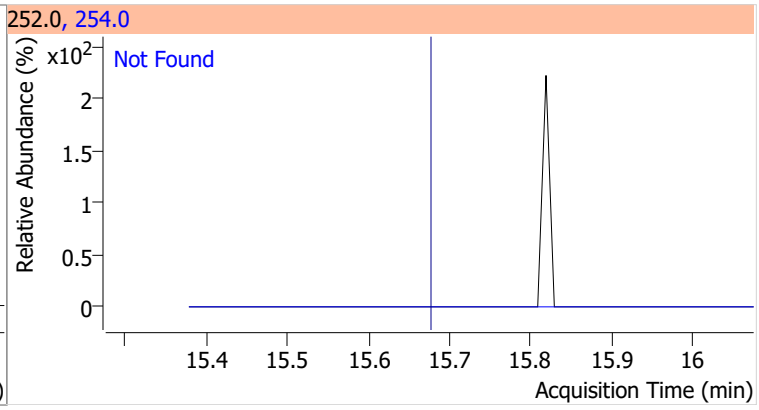
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



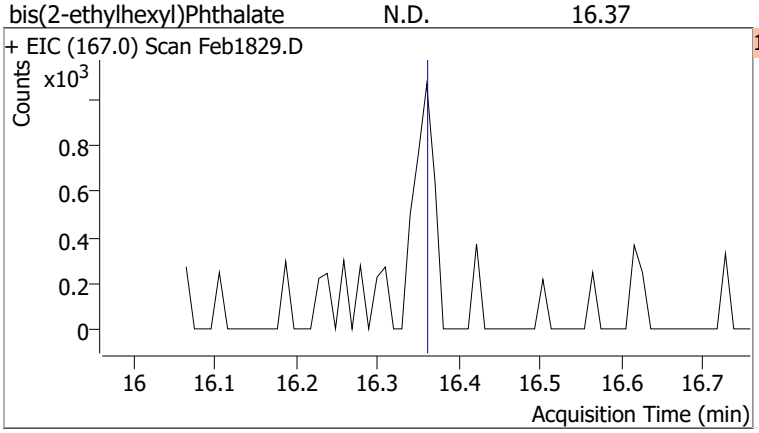


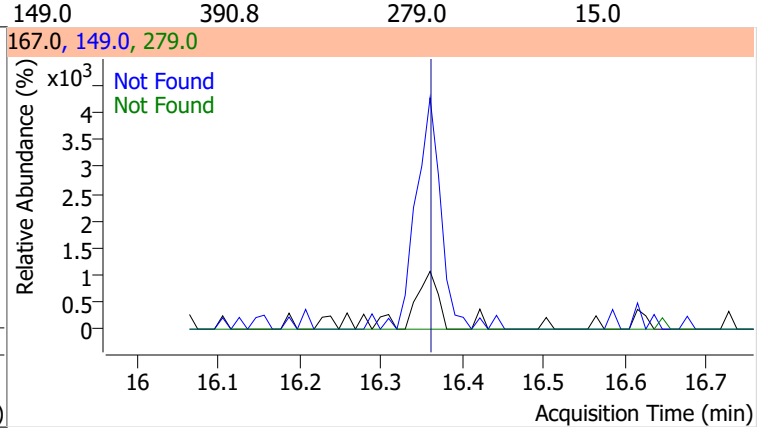
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



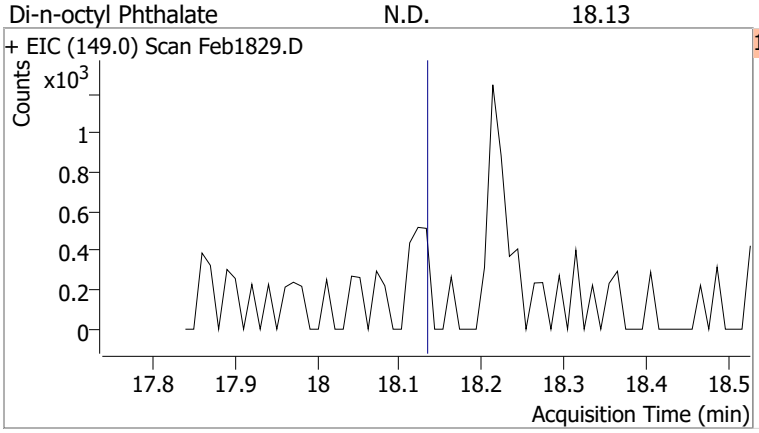


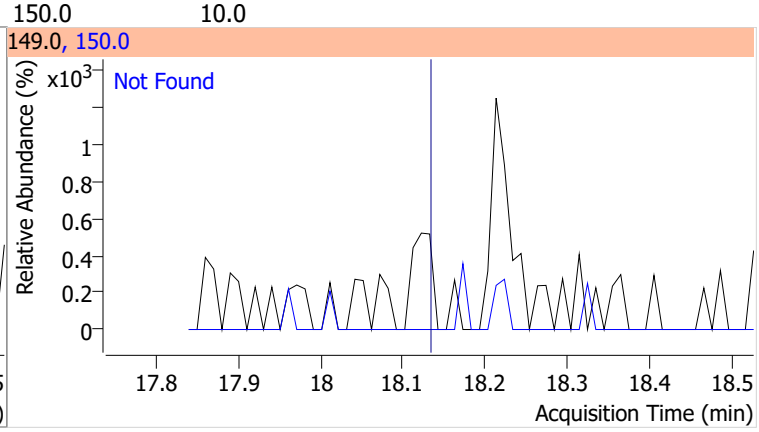
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



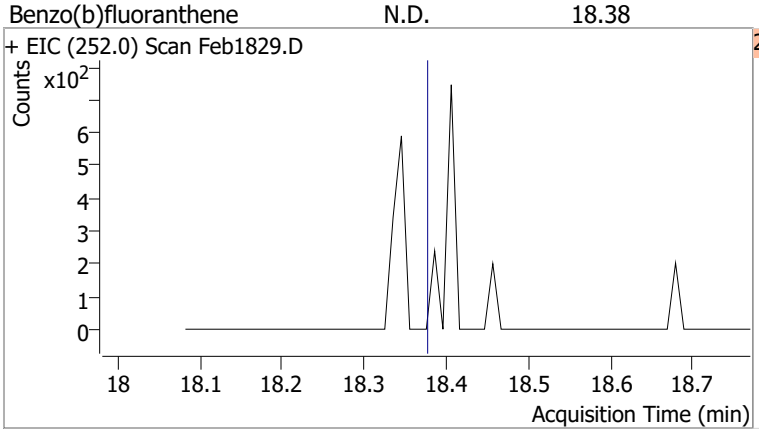


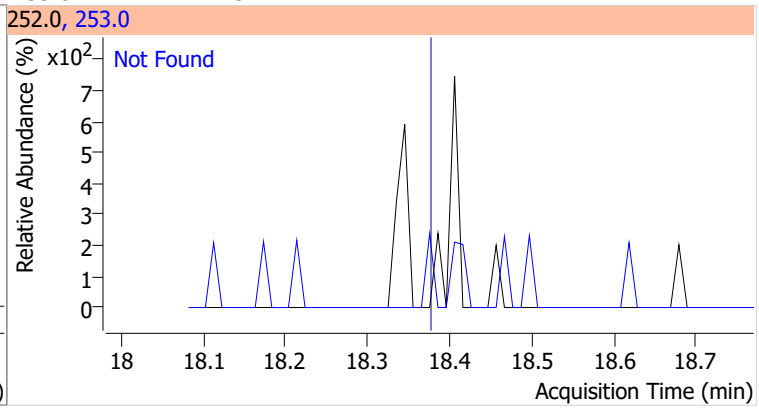
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



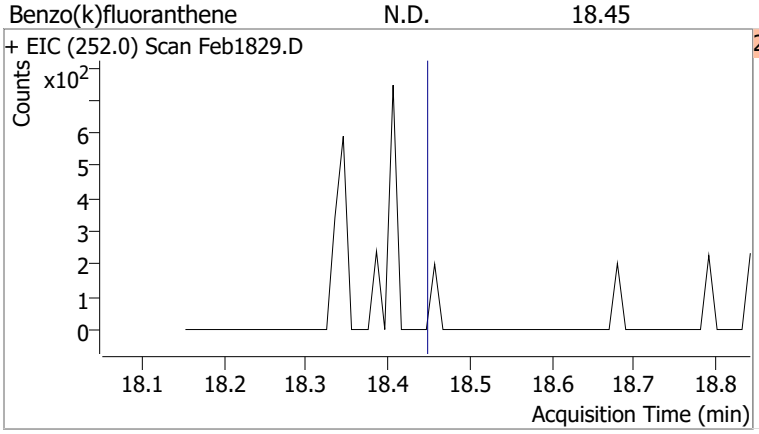


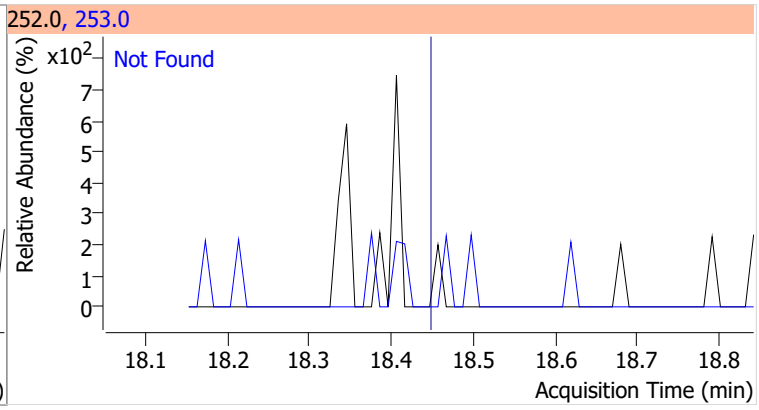
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



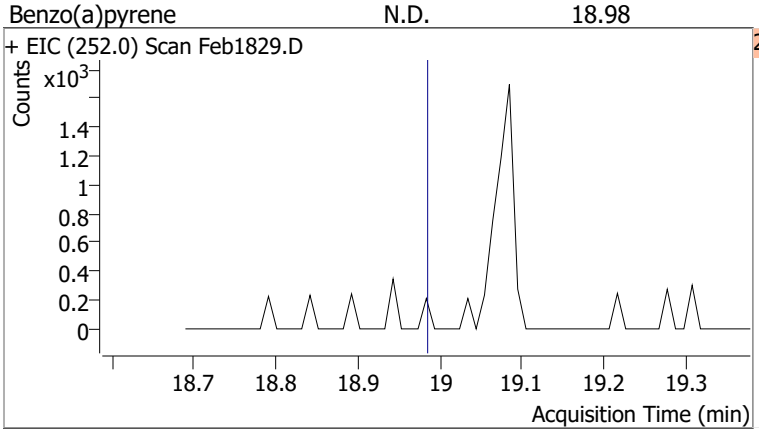


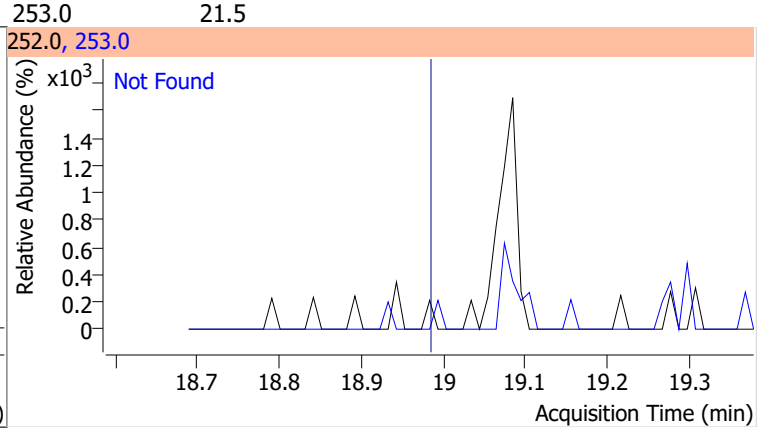
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



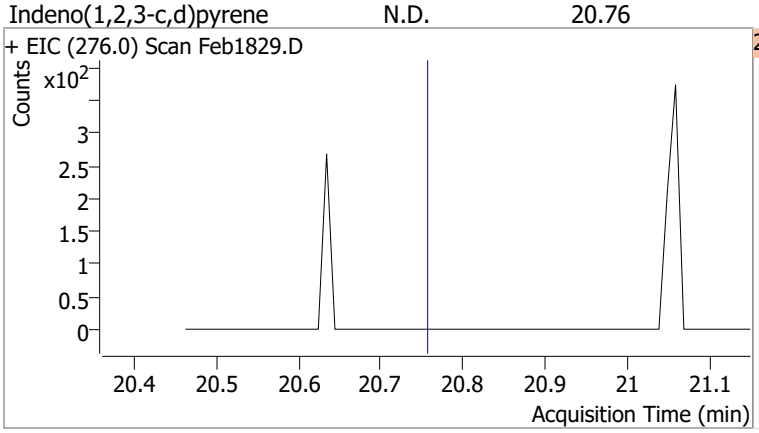


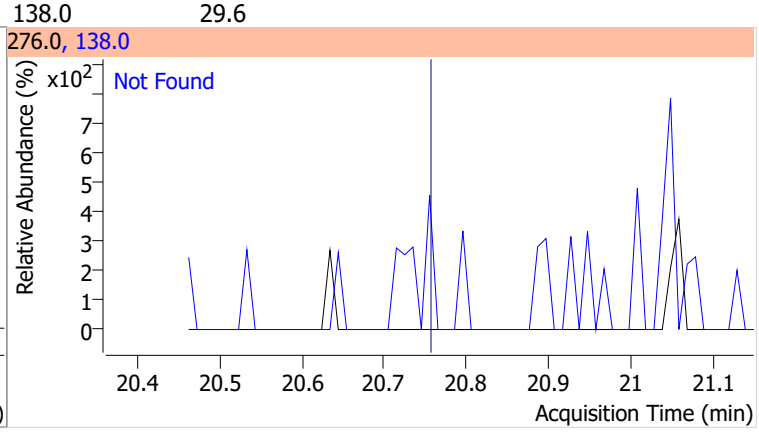
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



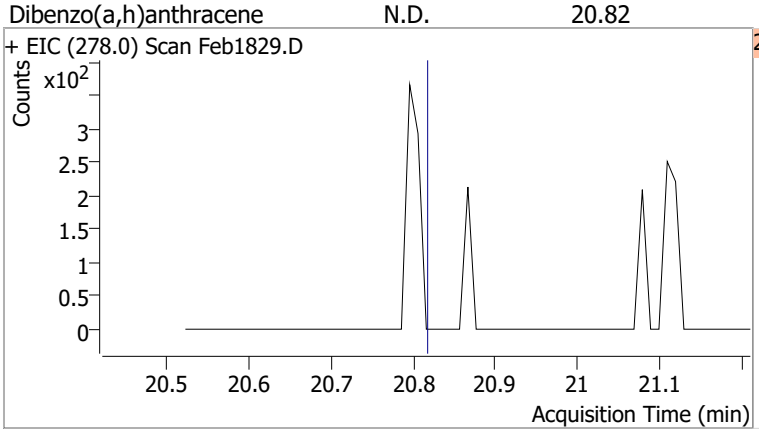


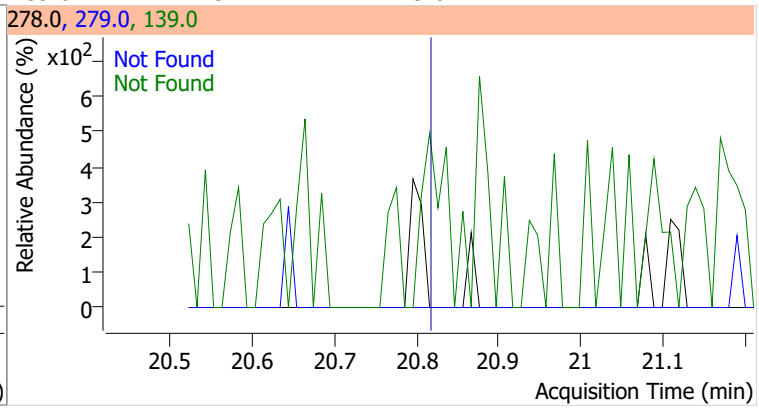
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



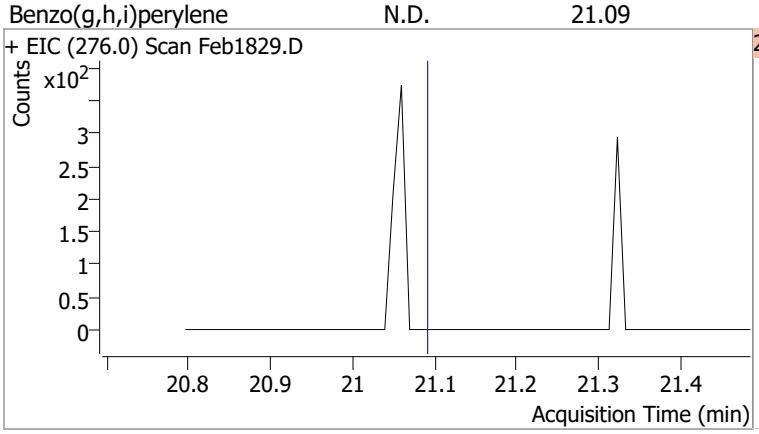


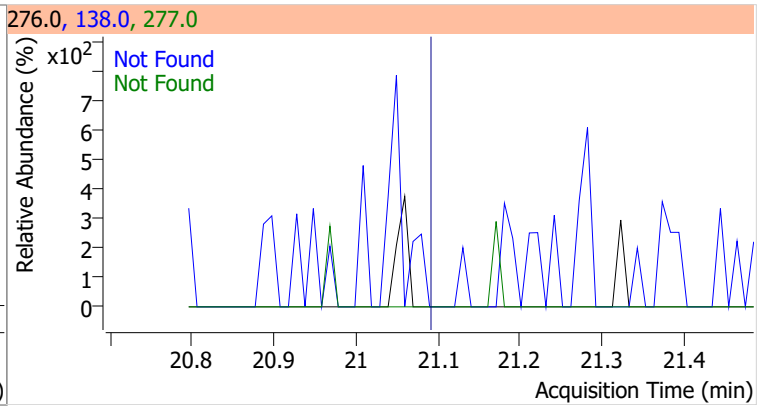
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





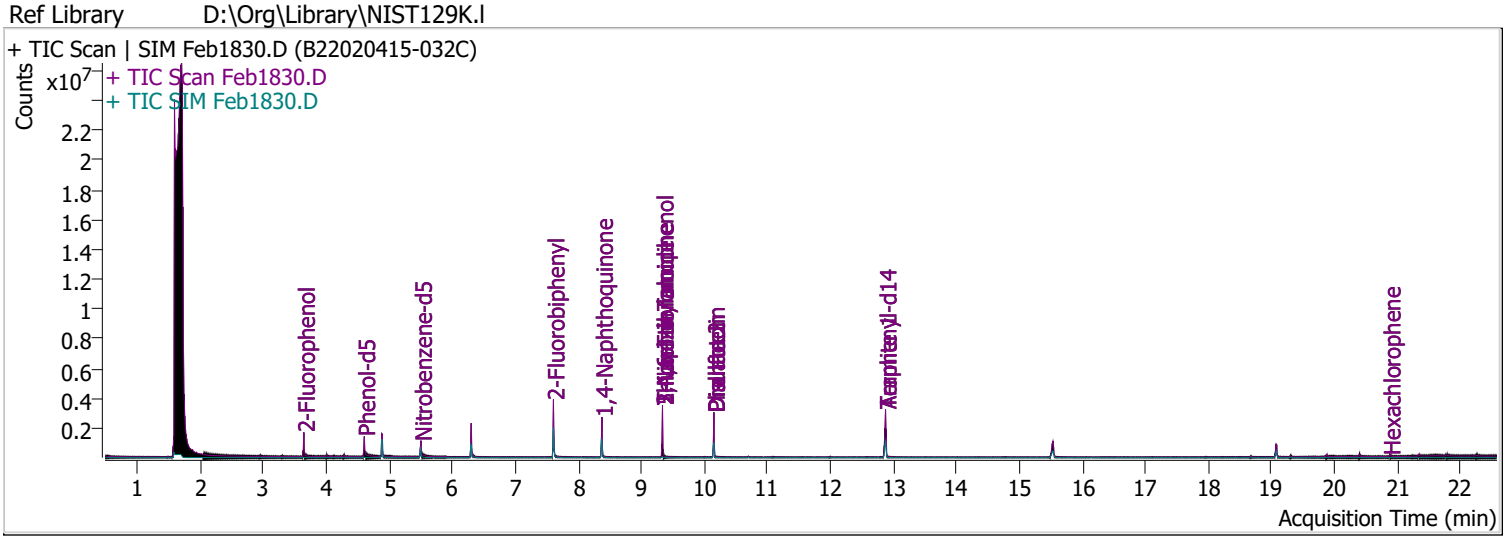
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1830.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 11:27:07 PM
Sample Name	B22020415-032C	Instrument	Instrument #1
Vial	30	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



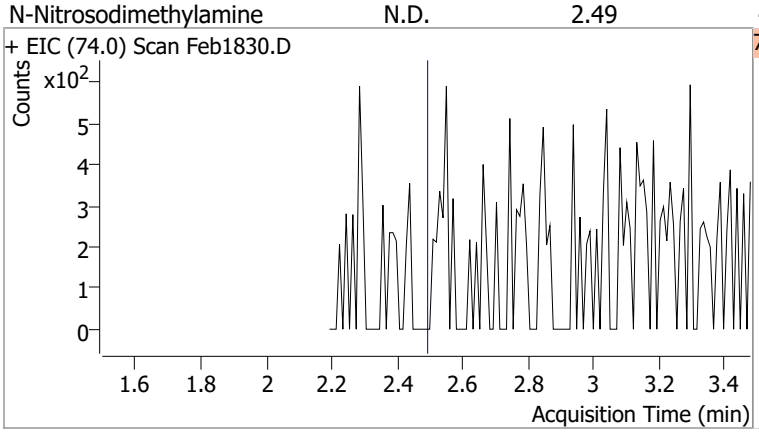
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	454588	54.8626	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 27.43%			
S Phenol-d5	4.603	99.0	513597	47.5329	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 23.77%			
S Nitrobenzene-d5	5.502	82.0	343386	57.4905	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 57.49%			
S 2-Fluorobiphenyl	7.605	172.0	1189874	67.3481	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 67.35%			
S 2,4,6-Tribromophenol	9.336	329.8	257300	154.8763	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 77.44%			
S Terphenyl-d14	12.875	244.3	1714125	97.2030	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 97.20%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.			
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

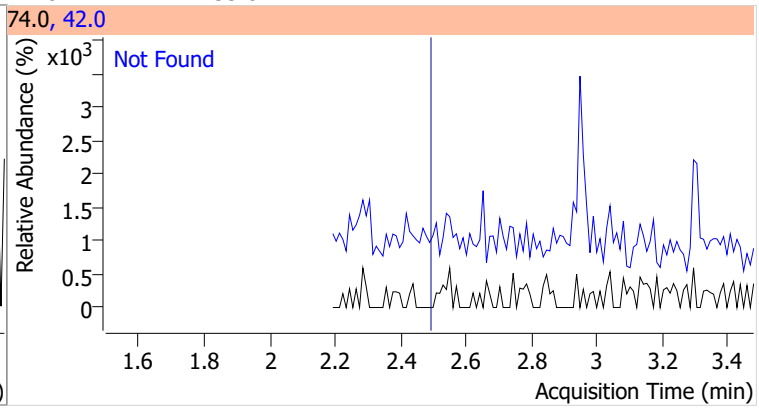
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	0.000		0	N.D.			
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

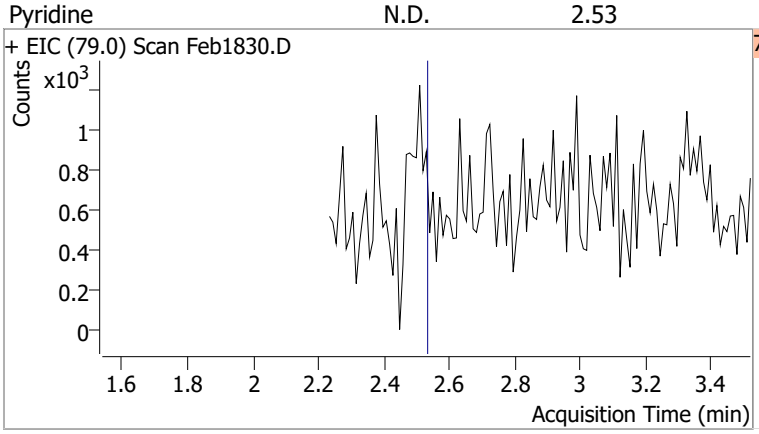
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

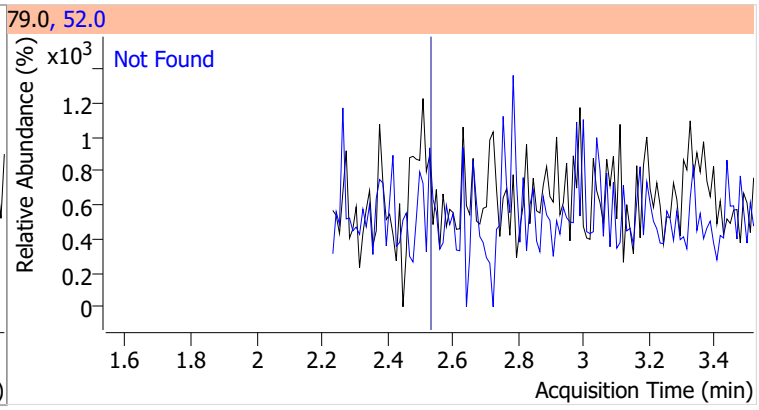
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



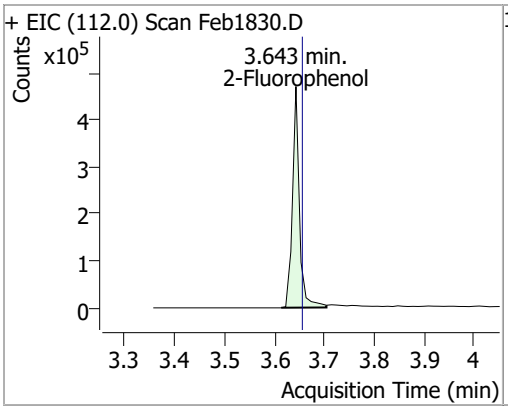


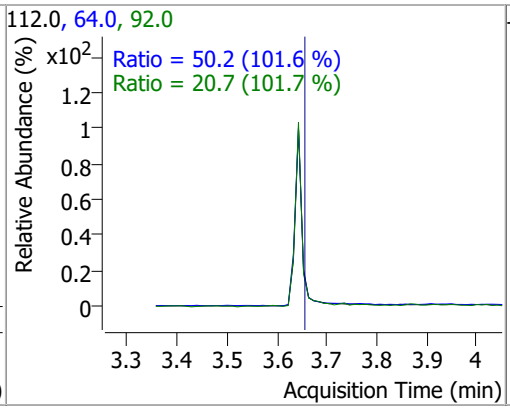
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

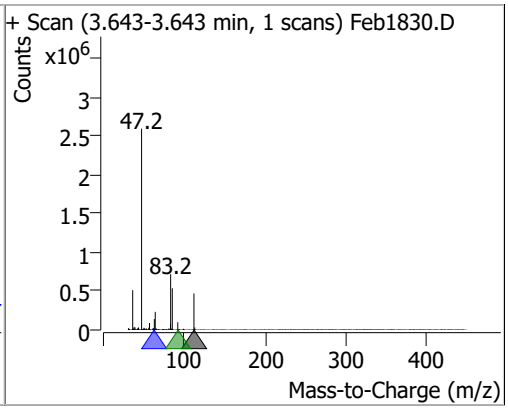




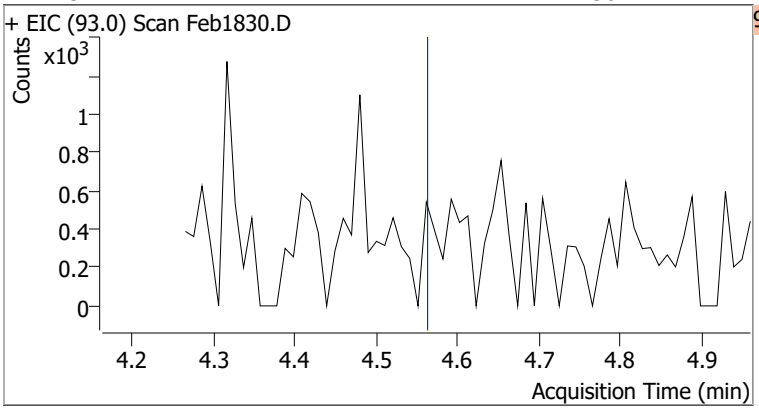
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	54.8626	3.64	-0.01	454588	64.0	50.2	34.6	64.3
					92.0	20.7	14.2	26.5

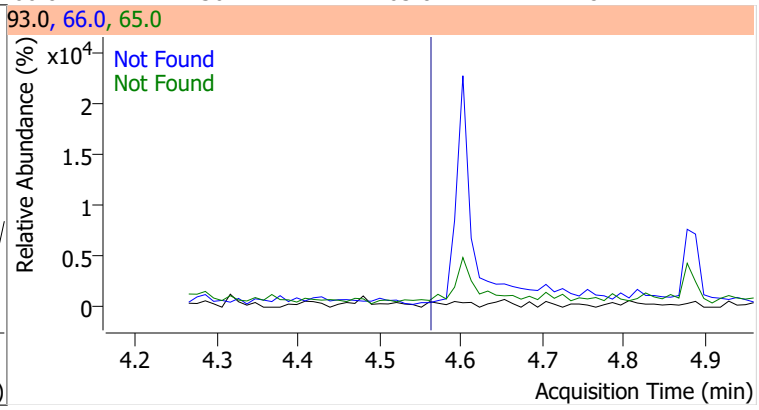




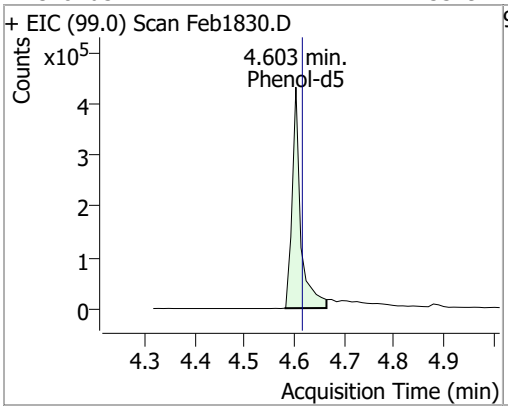


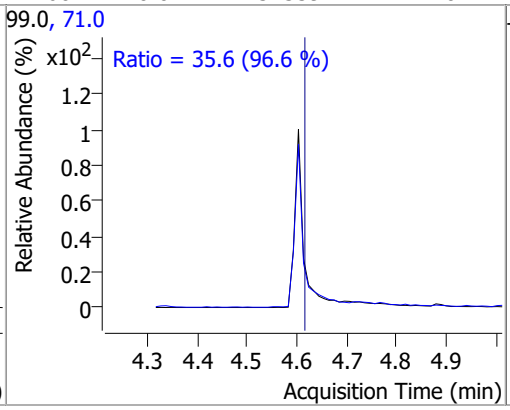
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

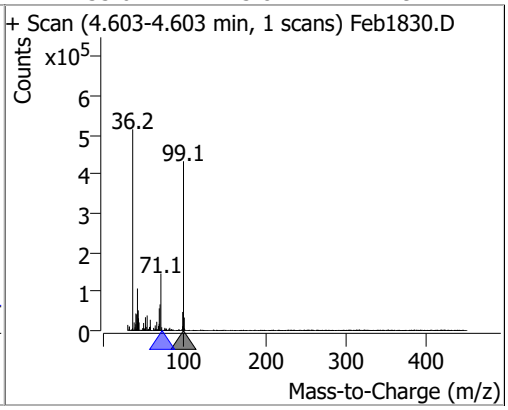




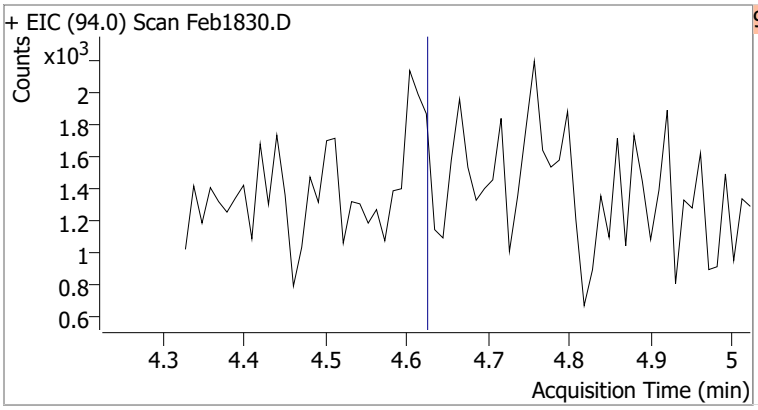
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	47.5329	4.60	-0.01	513597	71.0	35.6	25.8	47.9

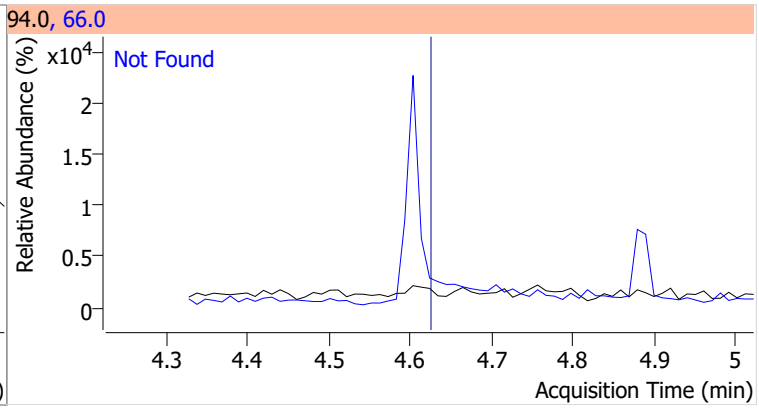




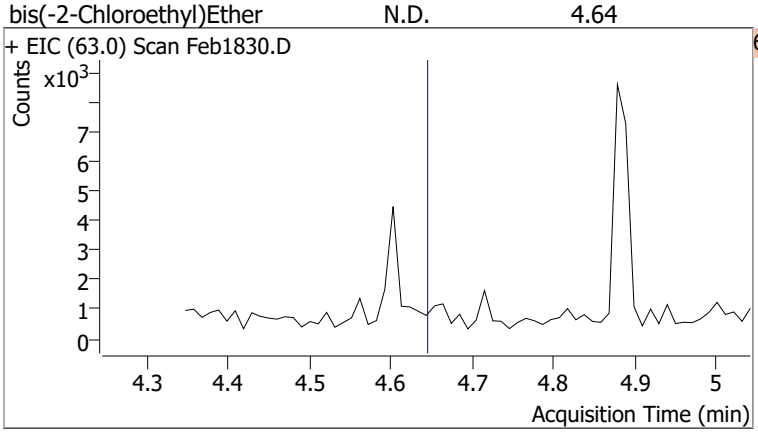


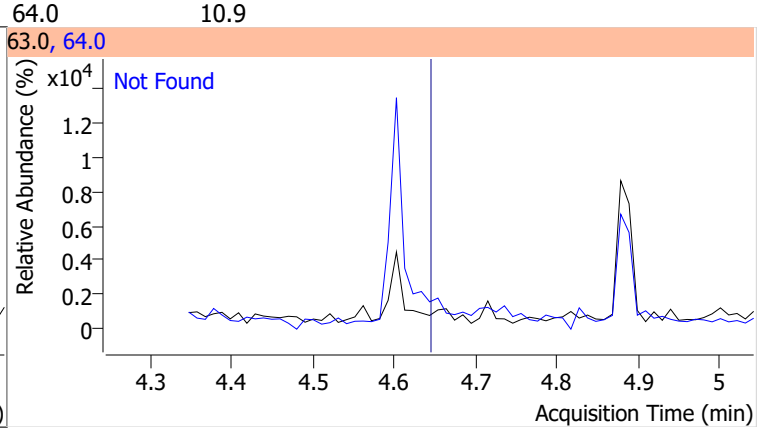
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



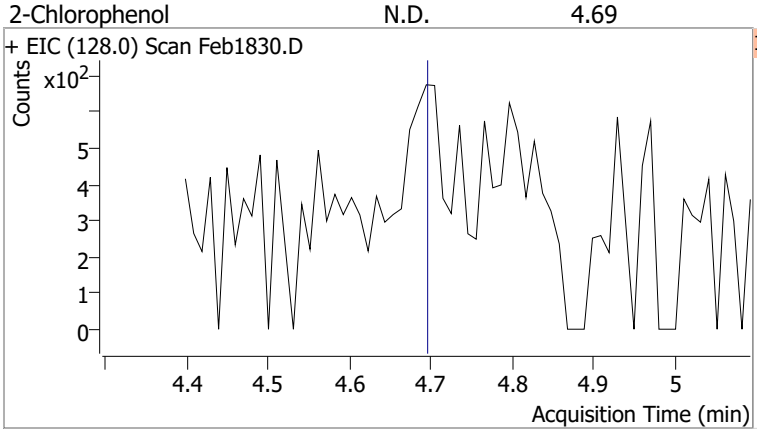


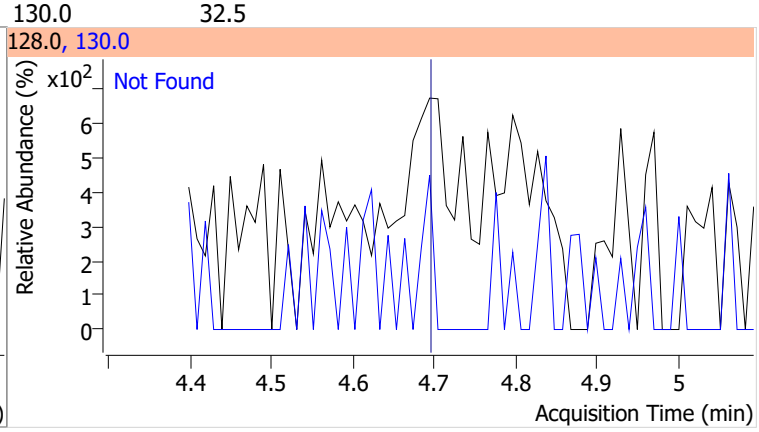
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



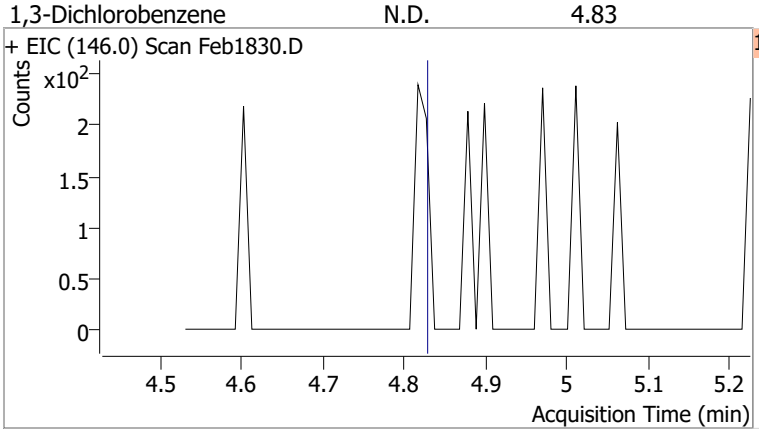


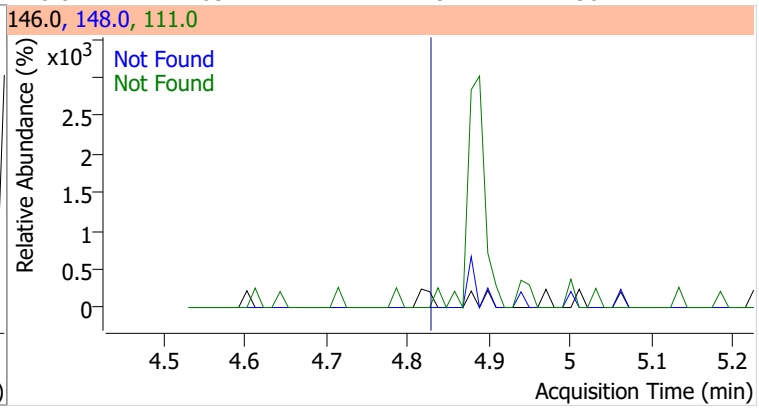
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



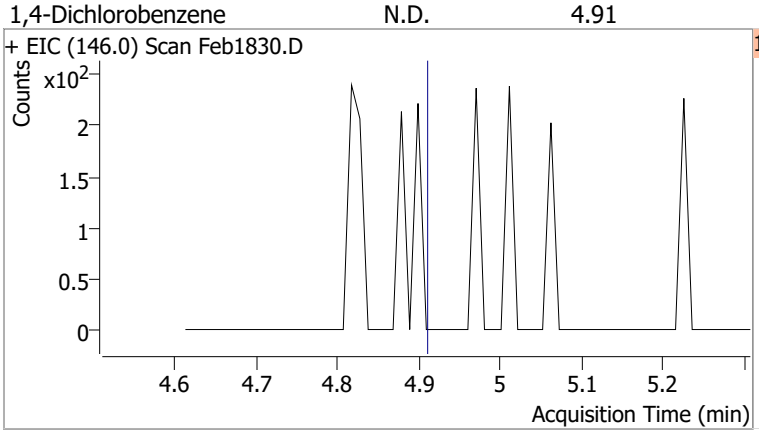


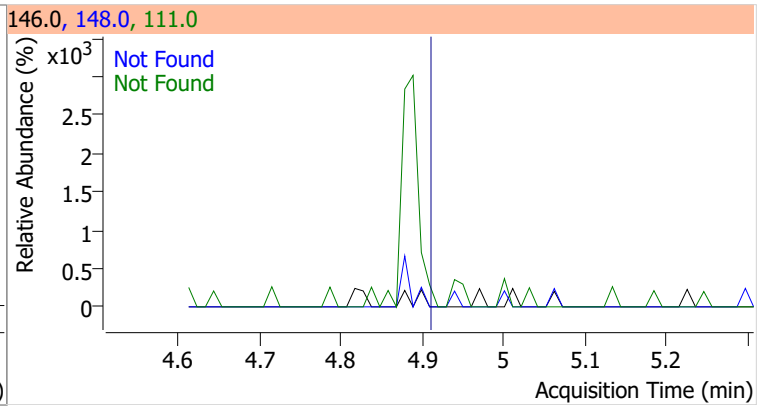
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



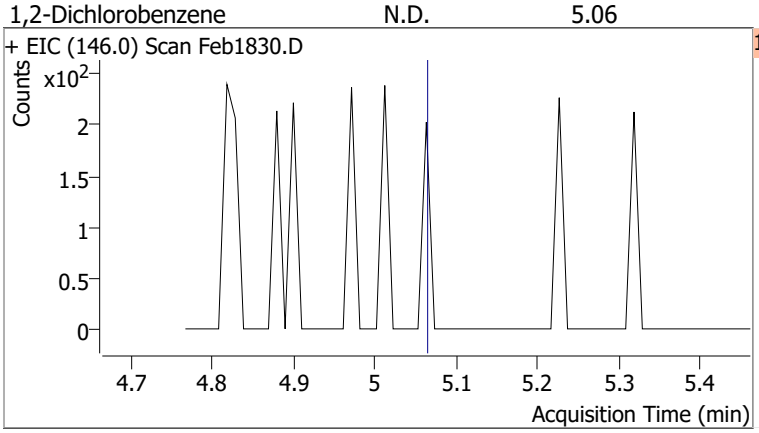


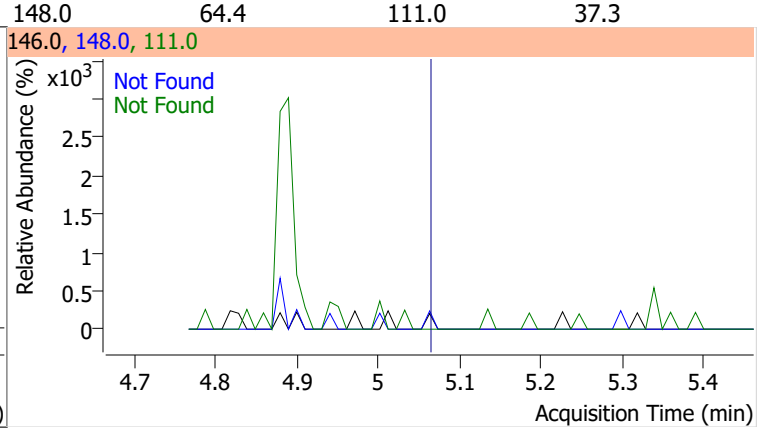
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



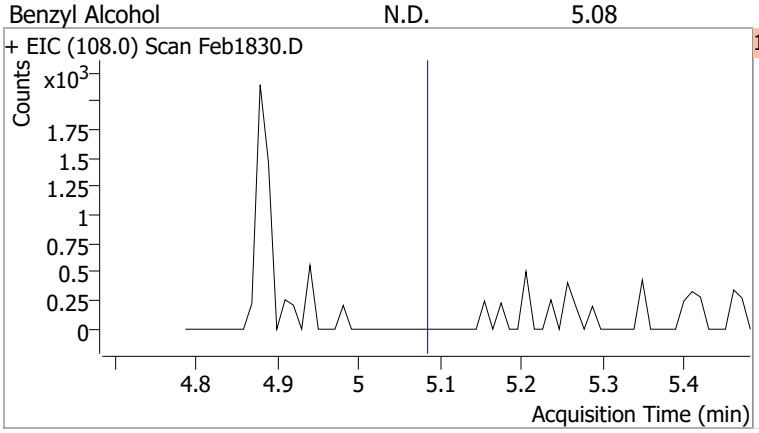


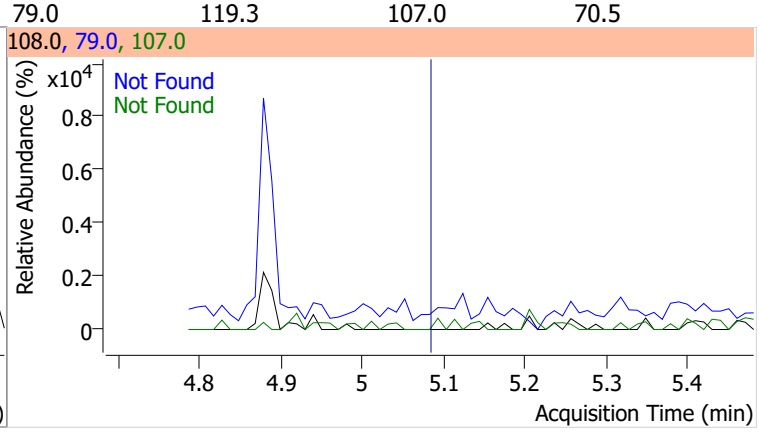
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



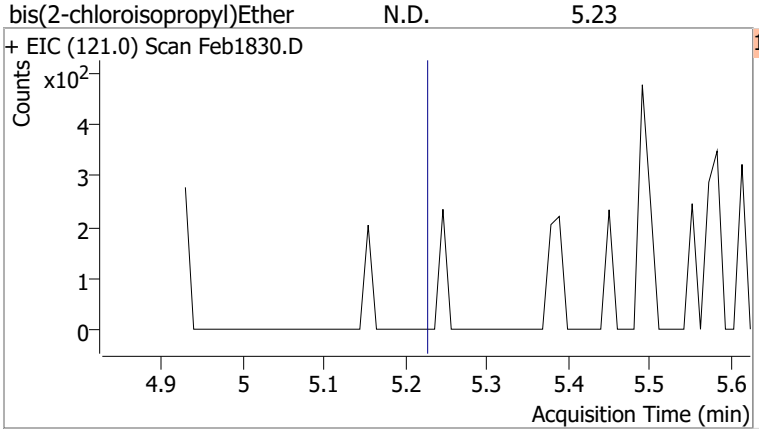


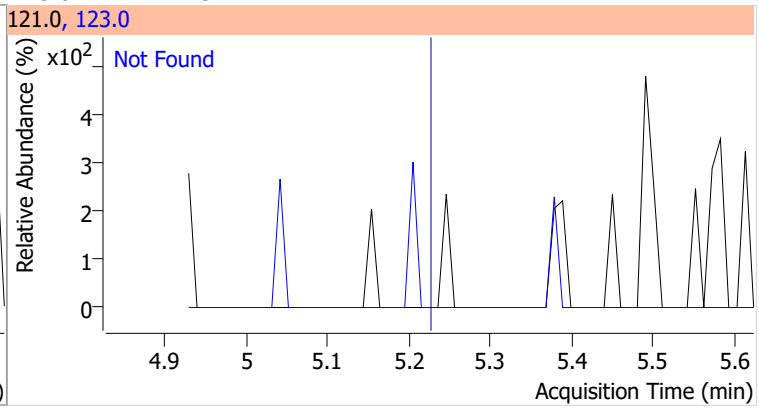
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



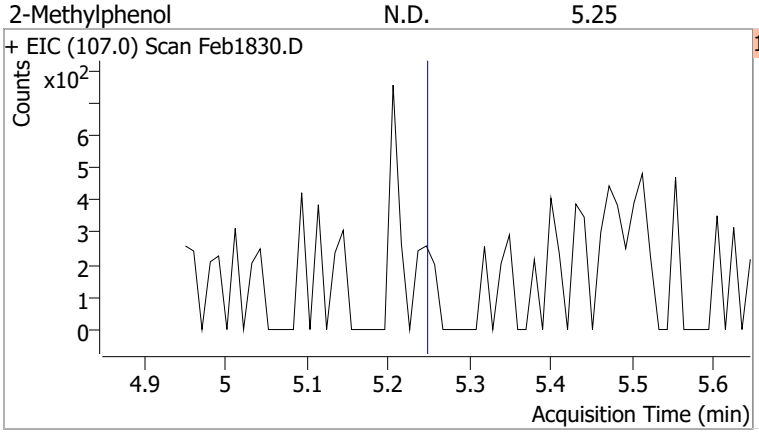


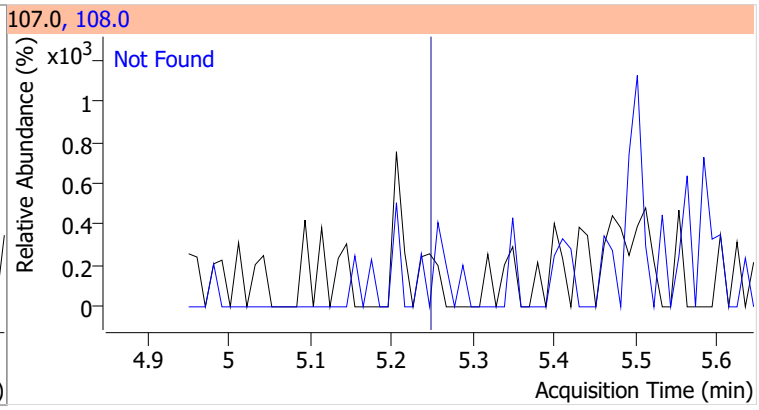
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



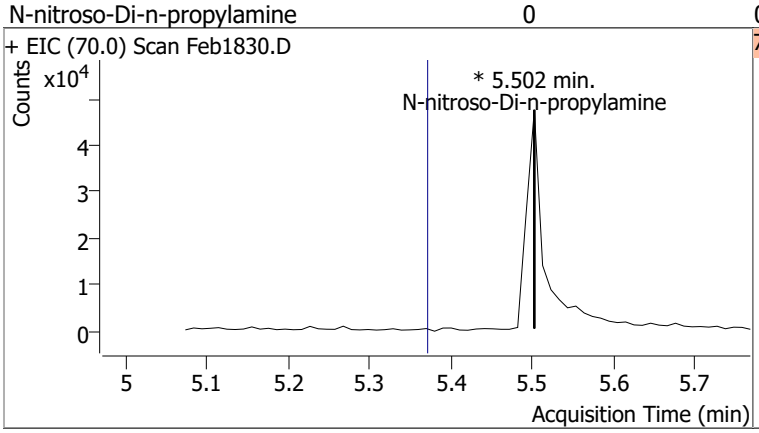


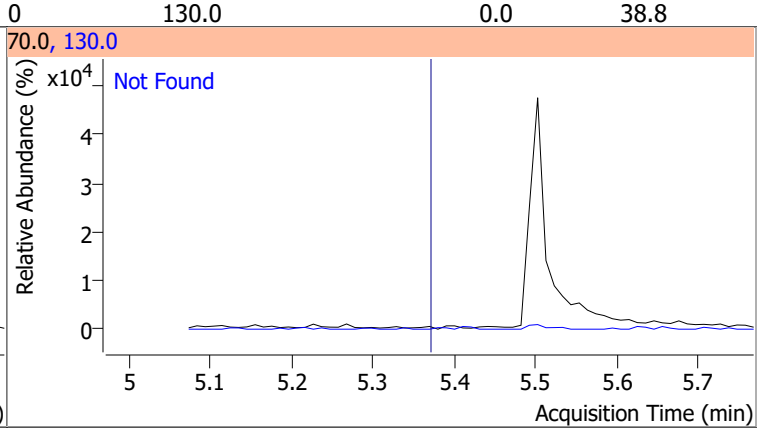
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



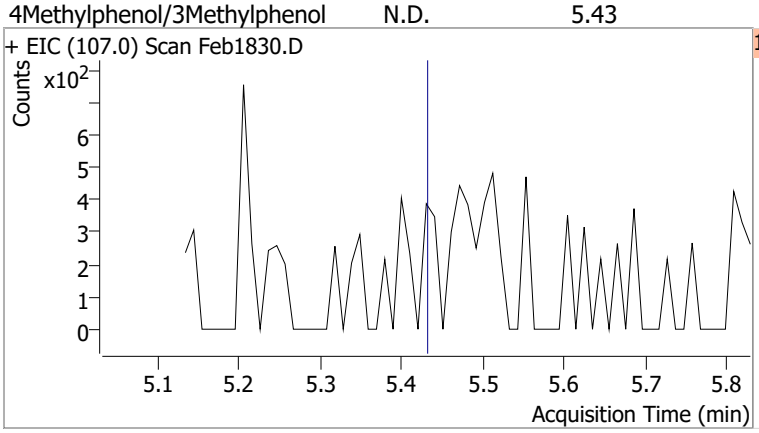


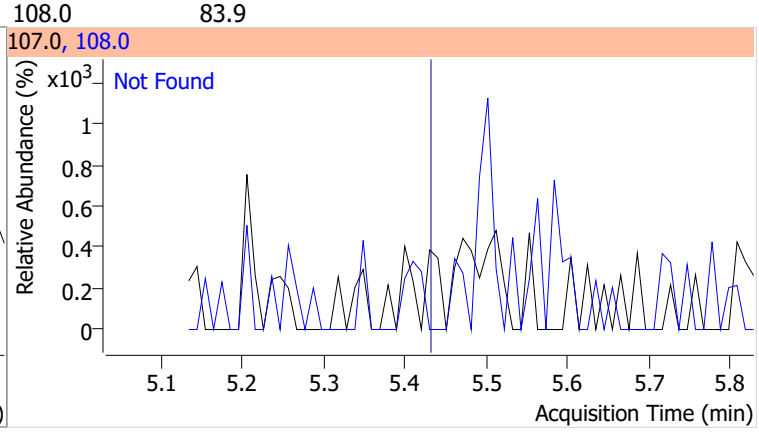
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



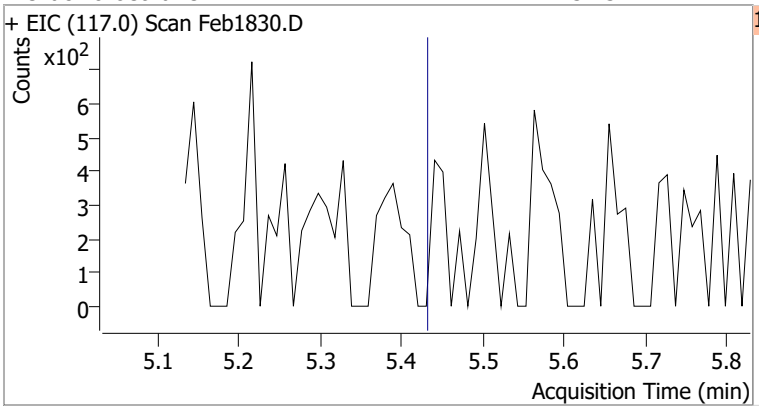


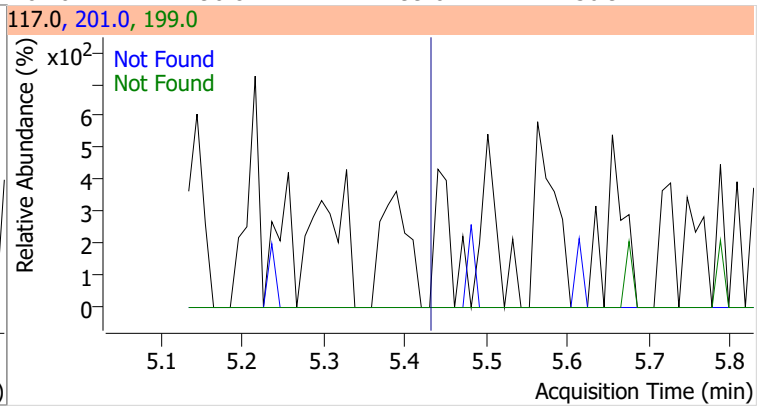
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



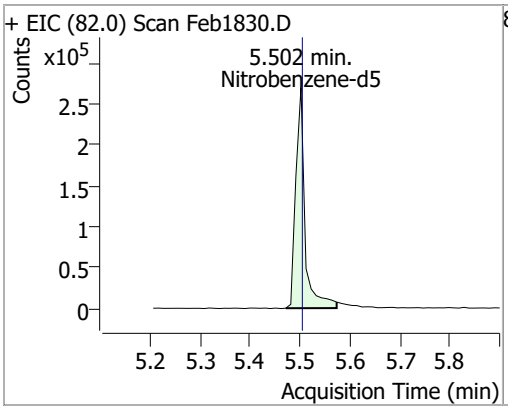


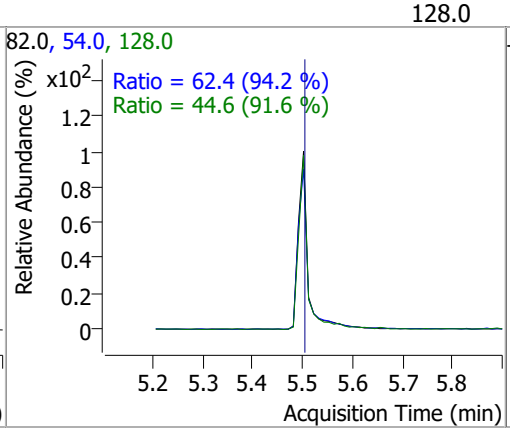
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

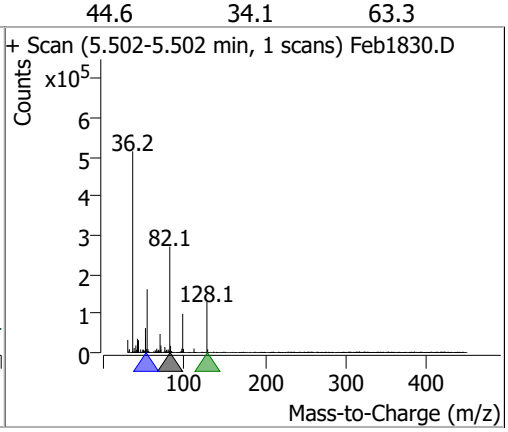




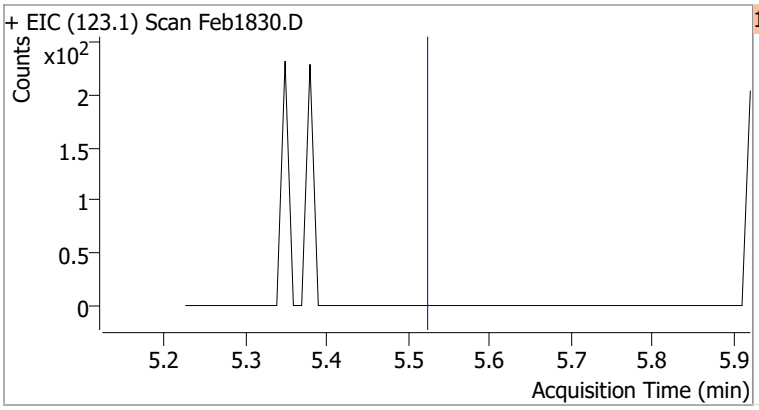
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	57.4905	5.50	0.00	343386	54.0	62.4	46.3	86.0
					128.0	44.6	34.1	63.3

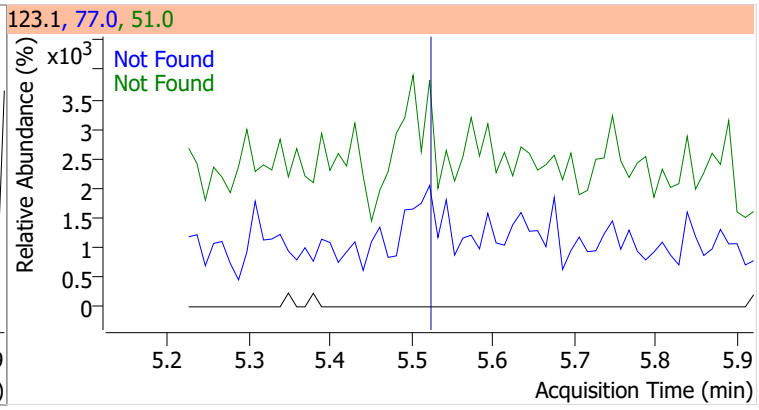




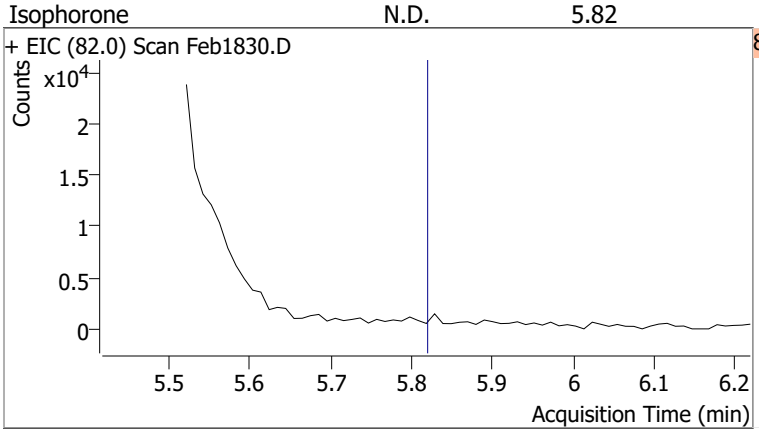


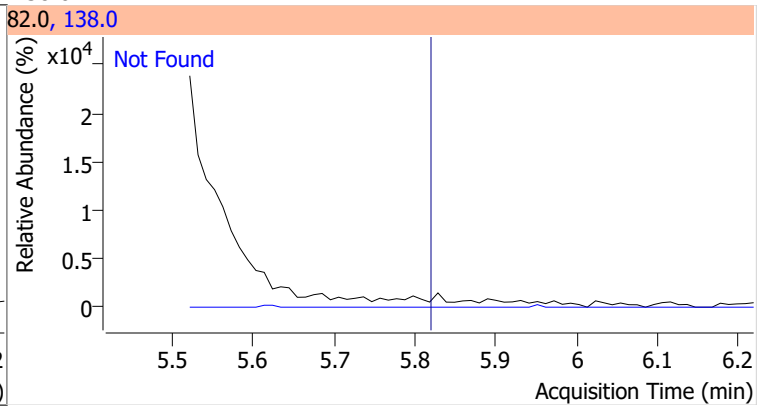
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



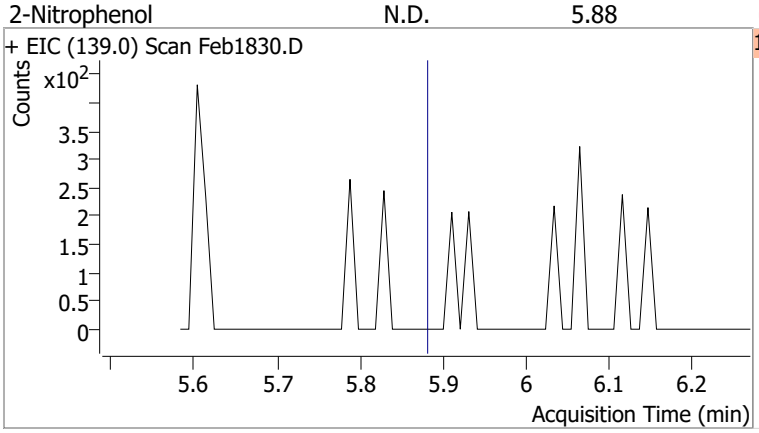


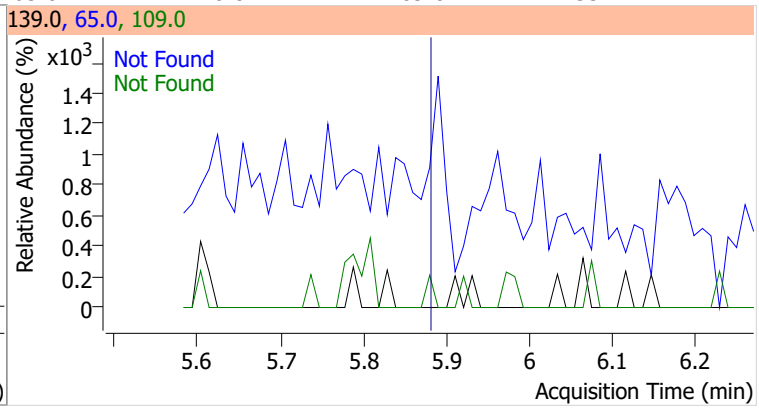
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



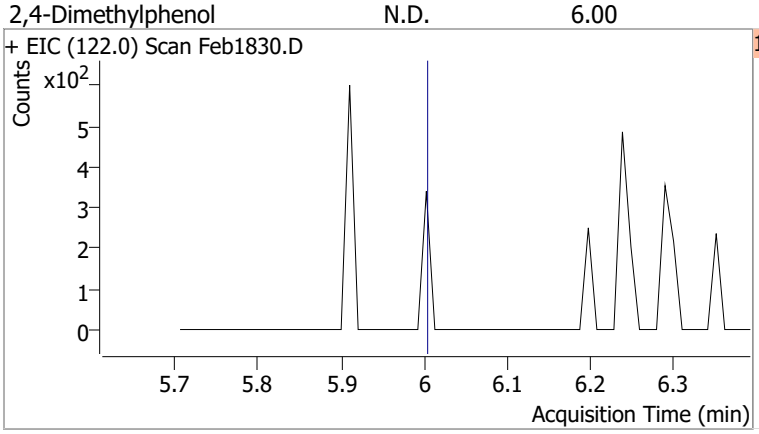


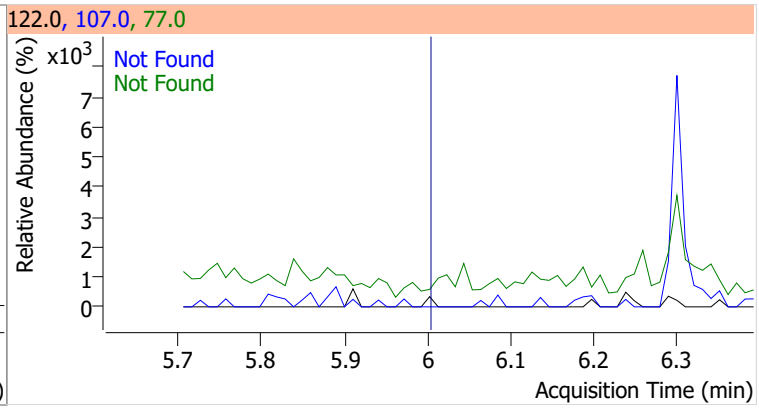
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



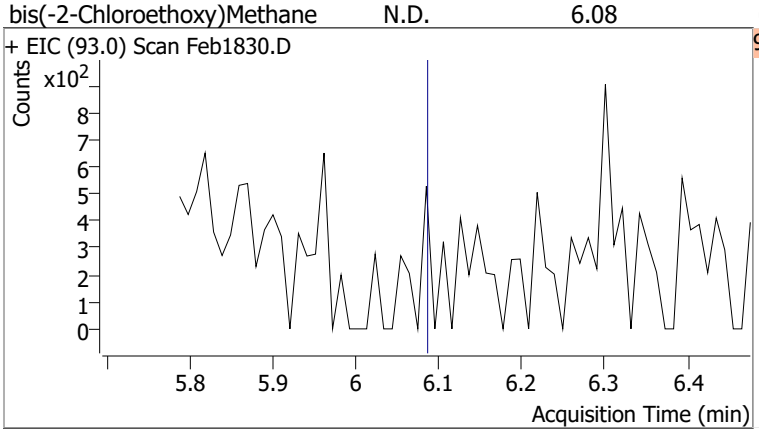


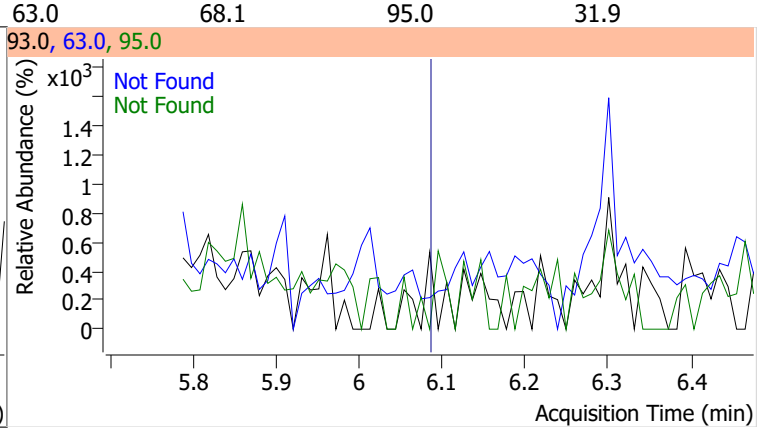
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



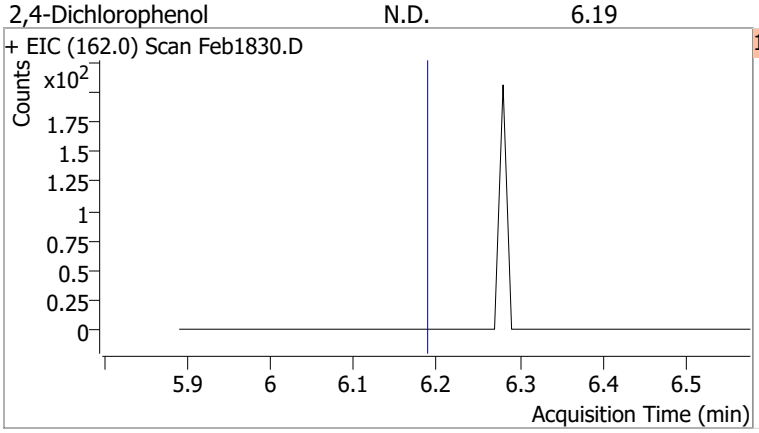


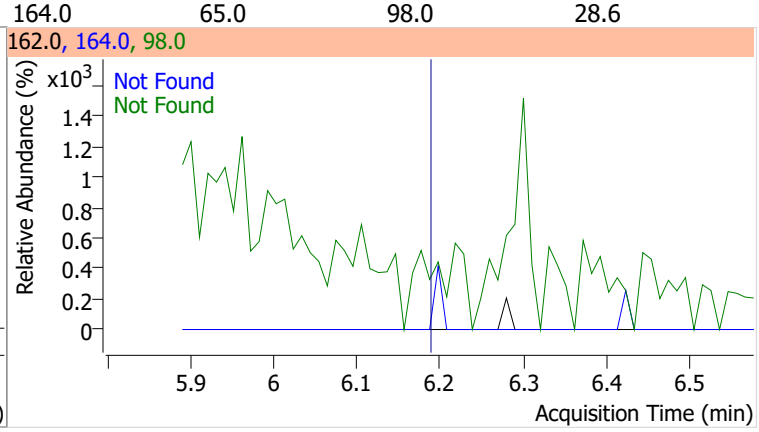
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



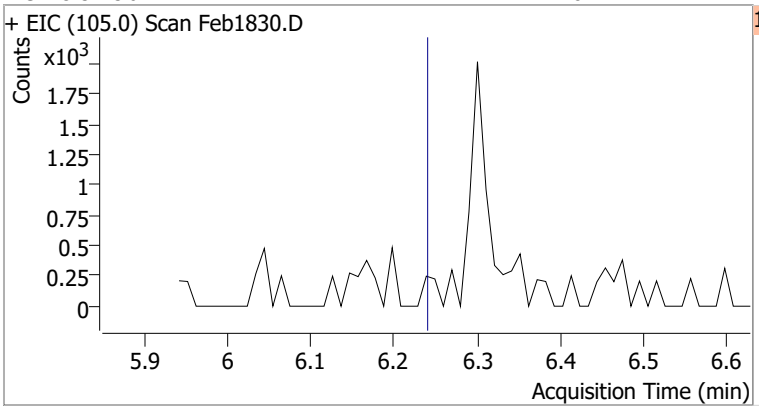


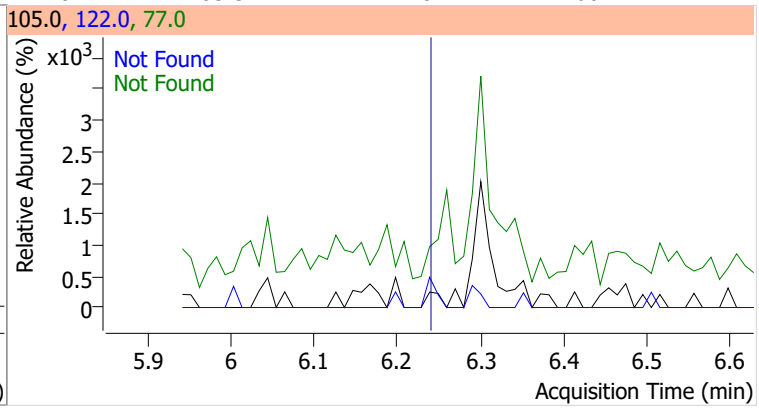
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



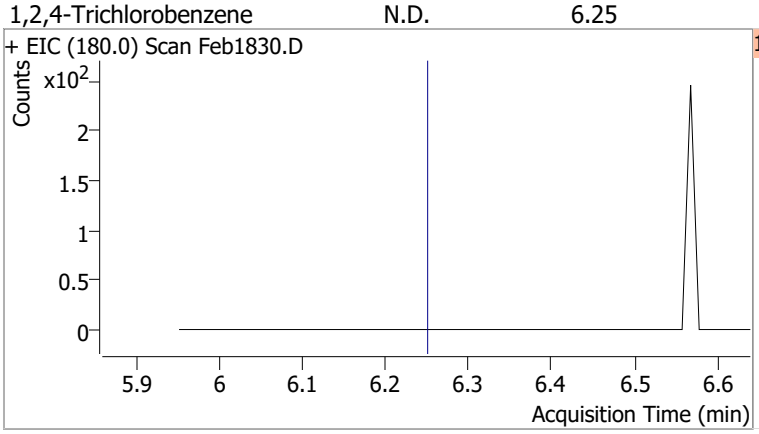


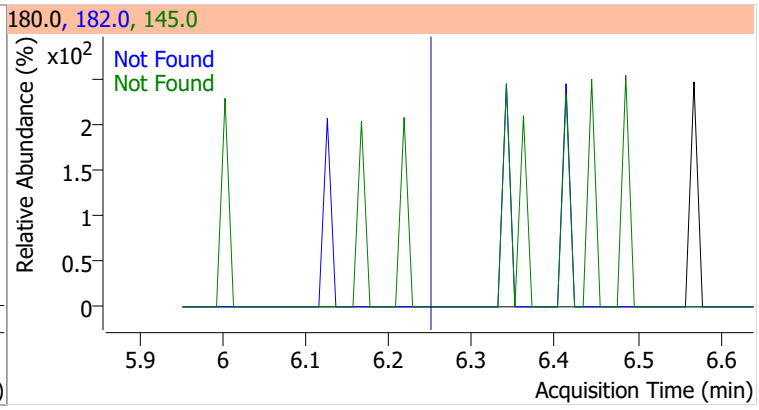
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



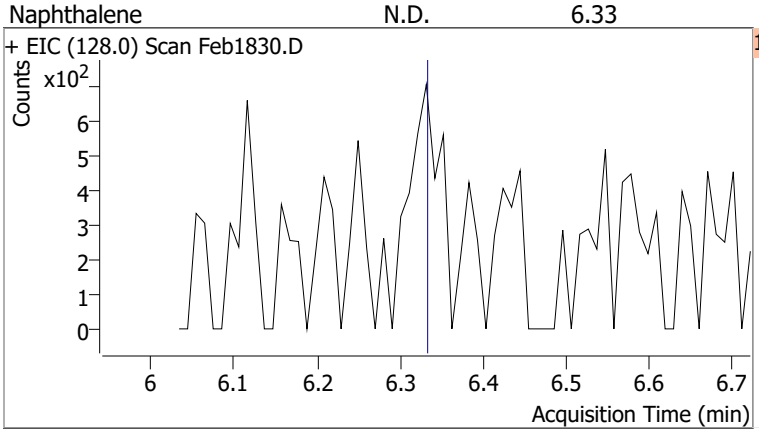


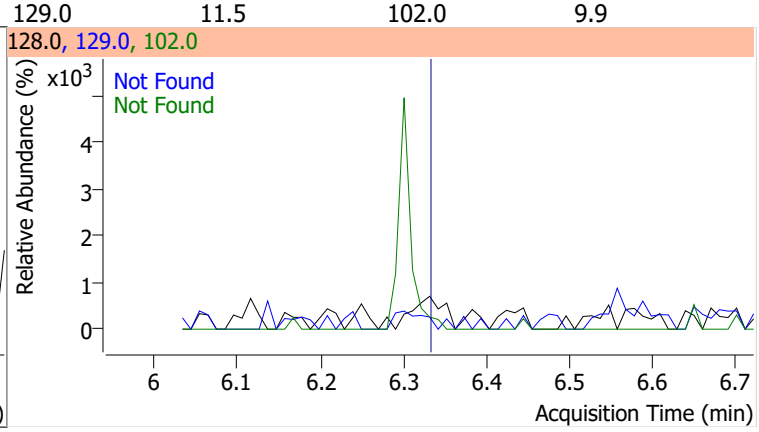
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



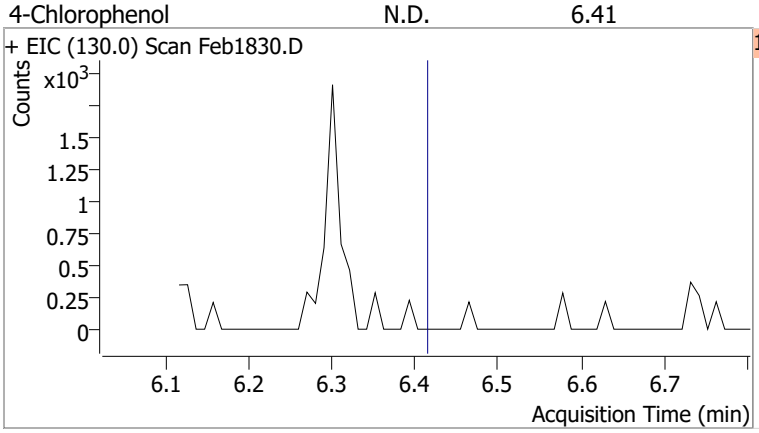


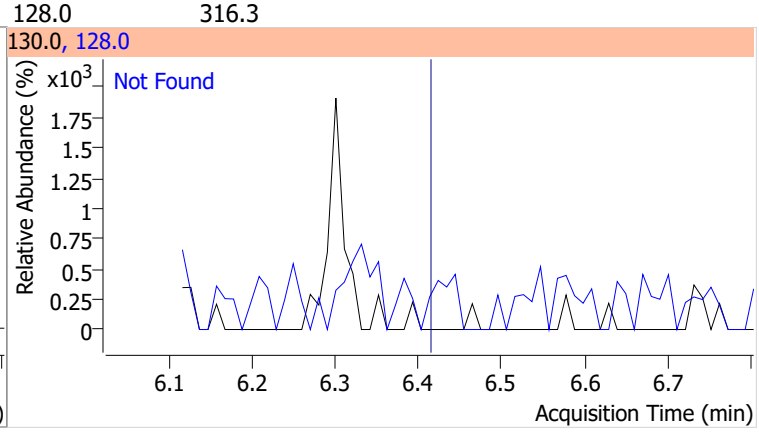
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



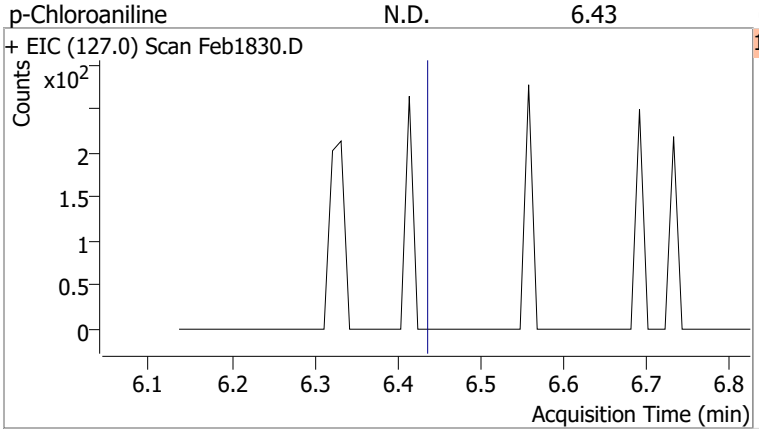


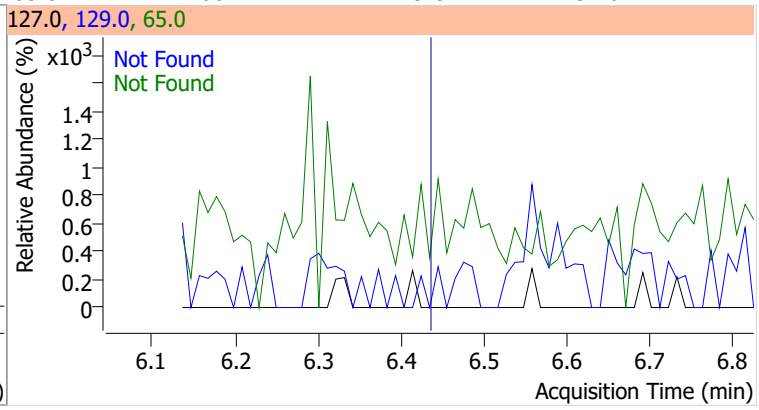
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorophenol	N.D.	6.41	128.0	316.3



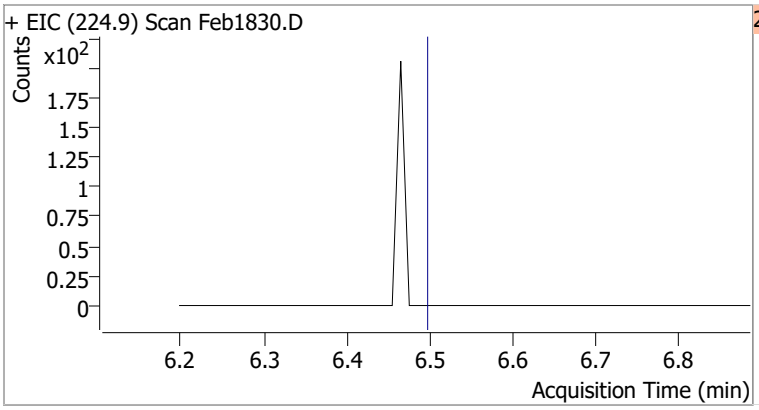


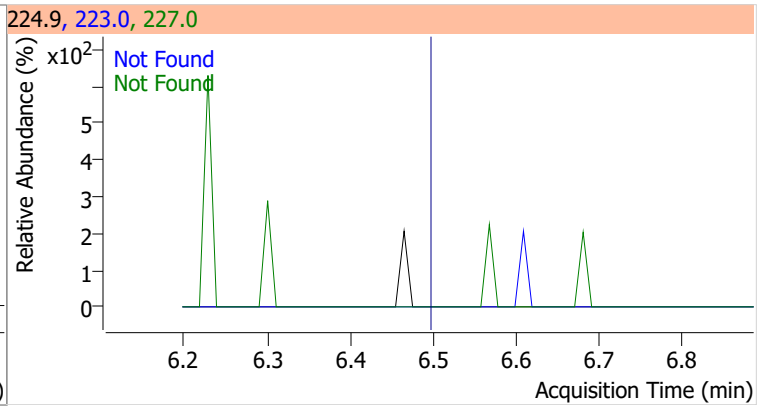
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



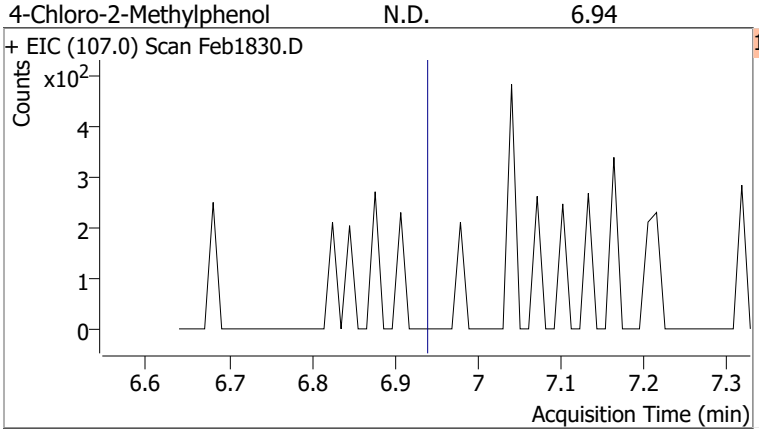


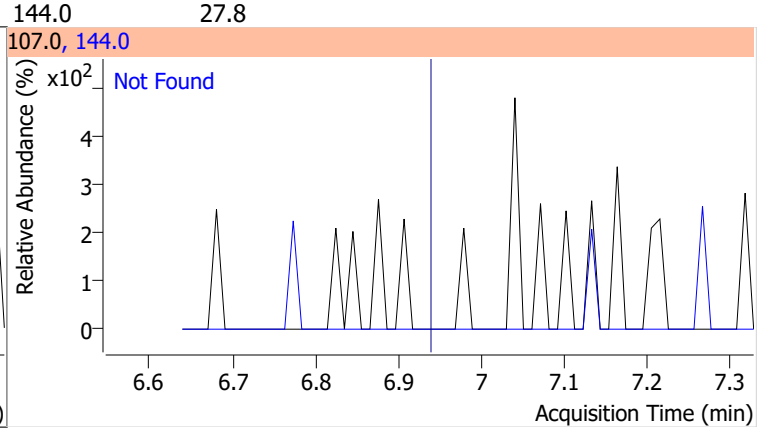
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



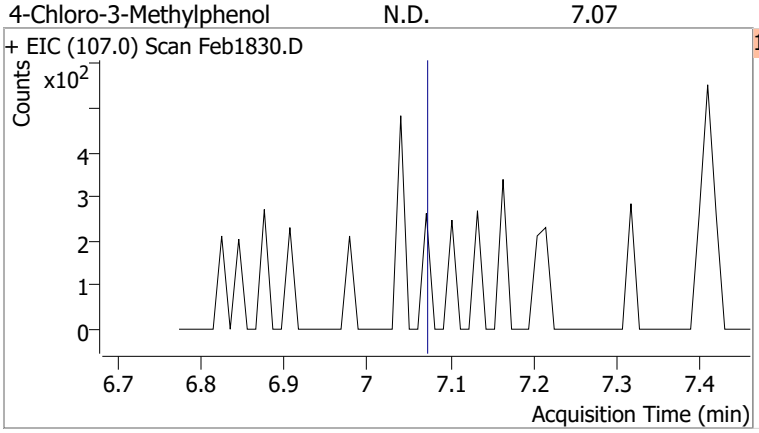


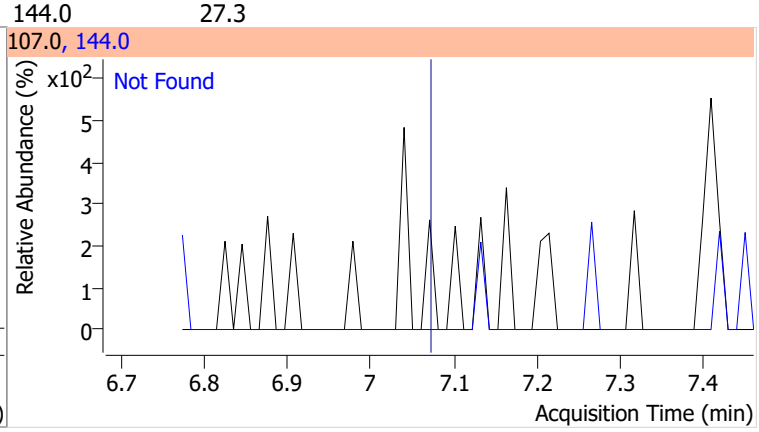
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



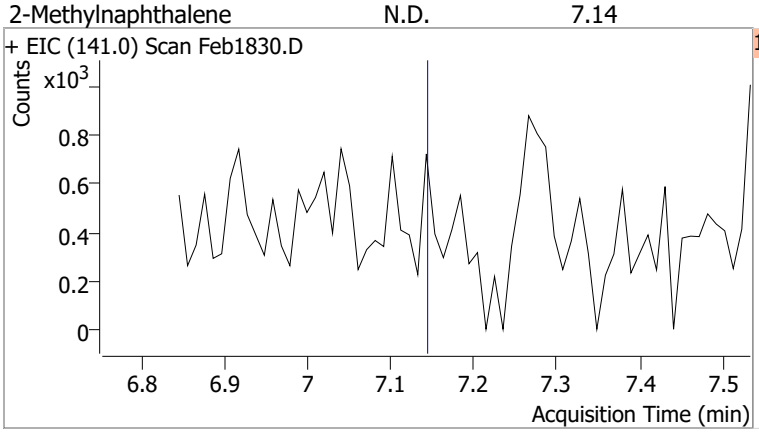


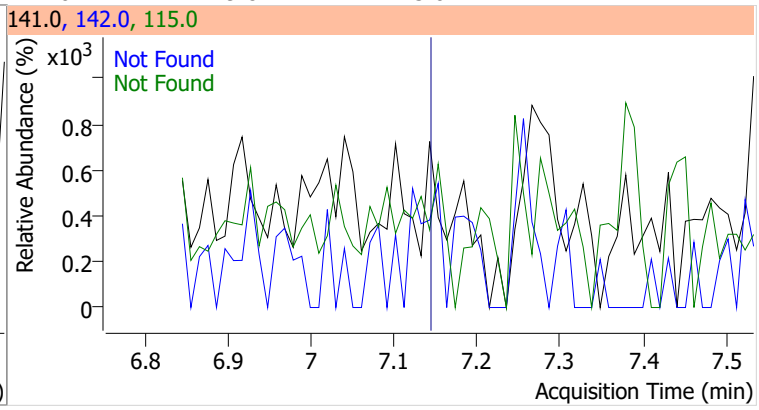
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



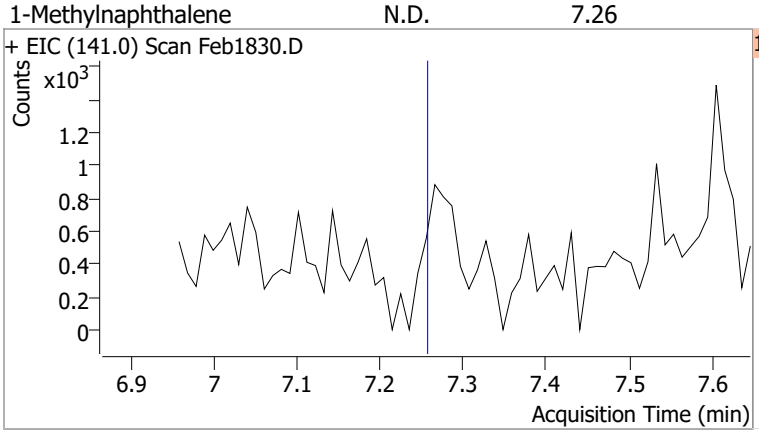


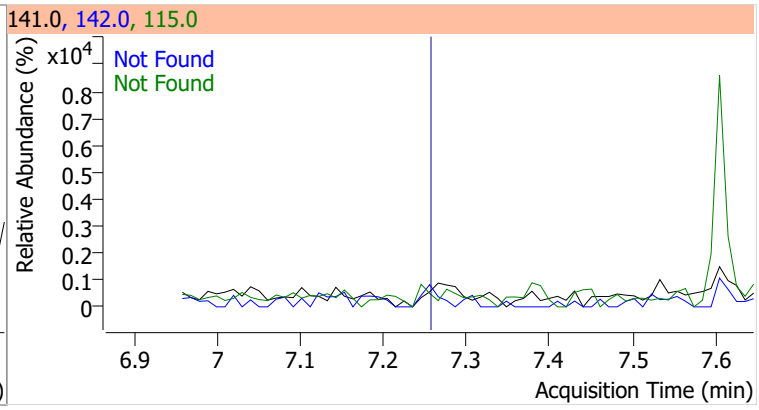
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



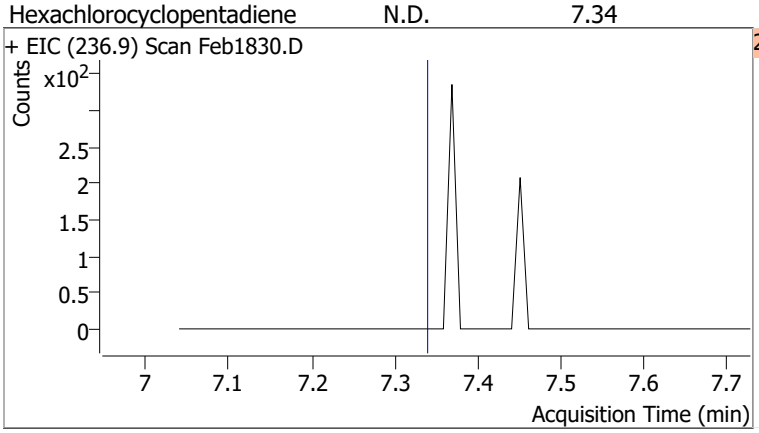


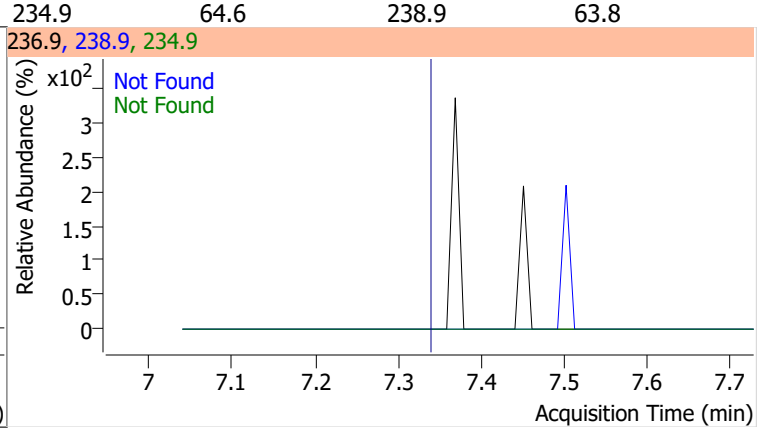
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



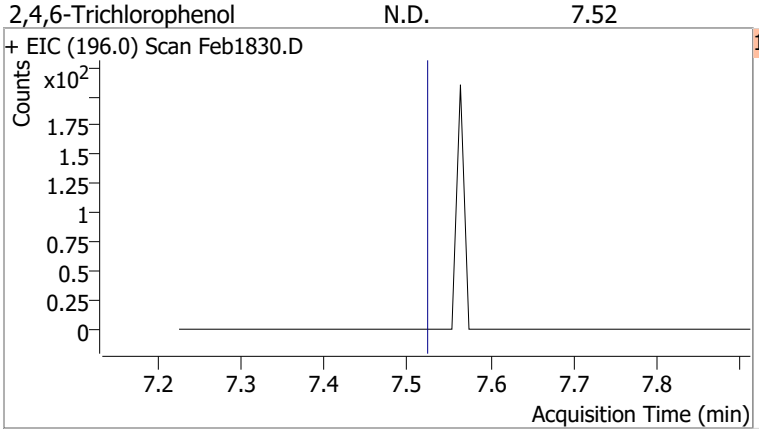


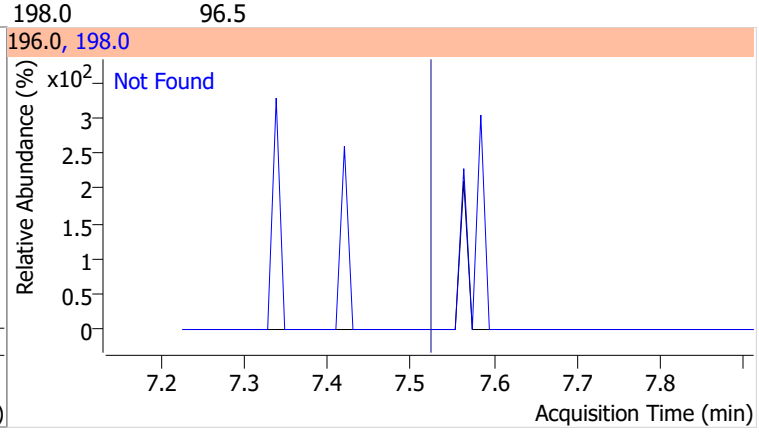
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



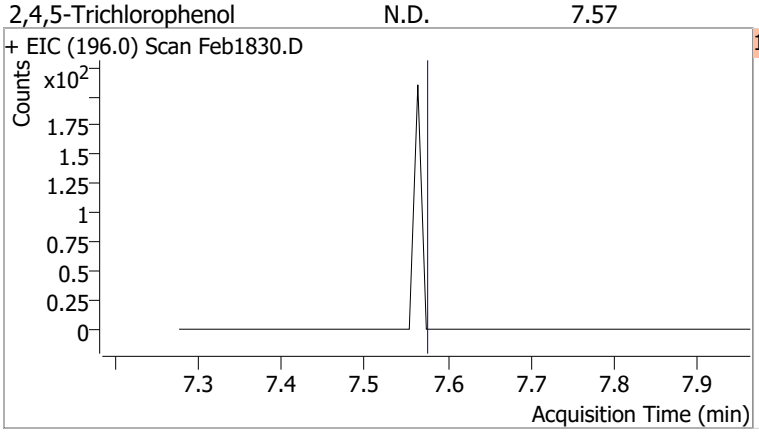


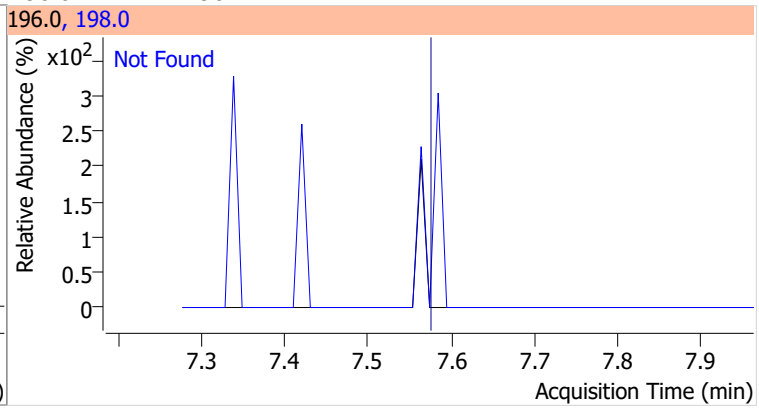
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



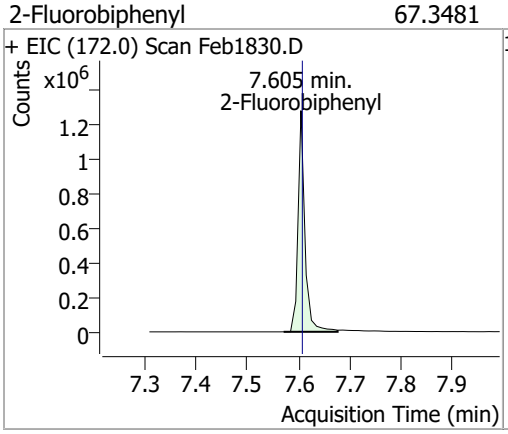


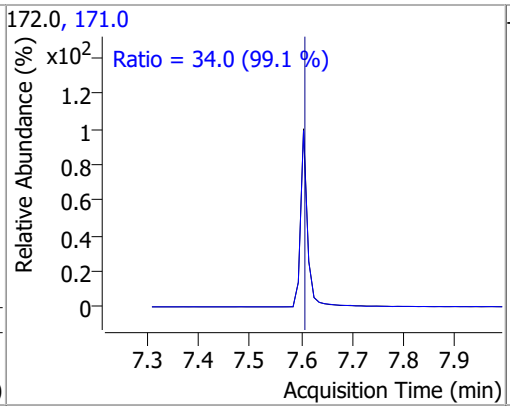
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

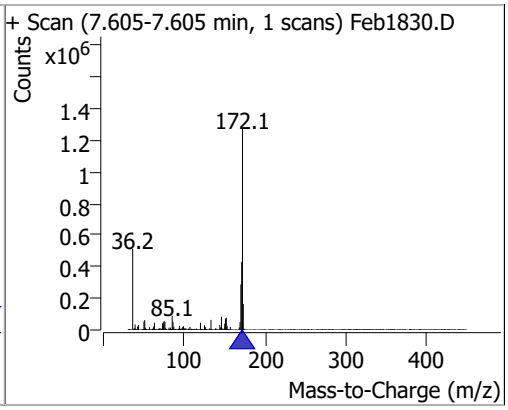




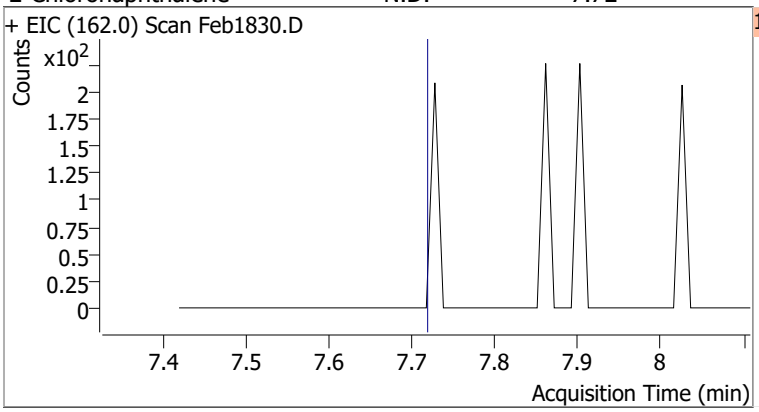
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	67.3481	7.60	0.00	1189874	171.0	34.0	24.0	44.5

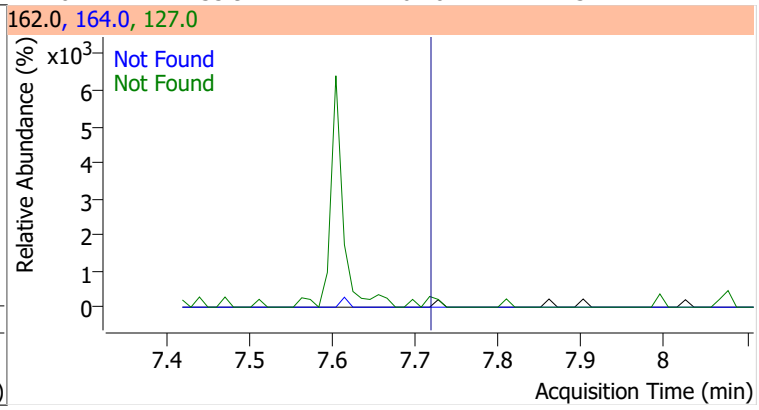




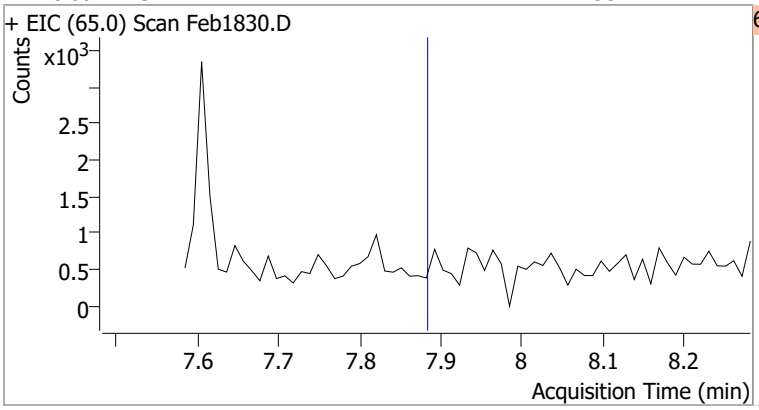


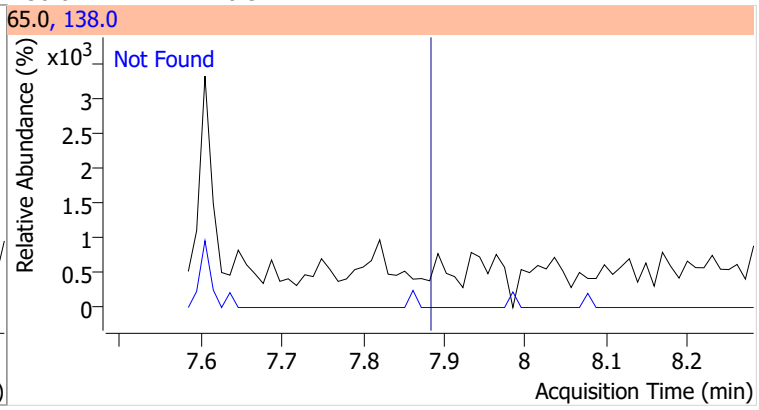
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



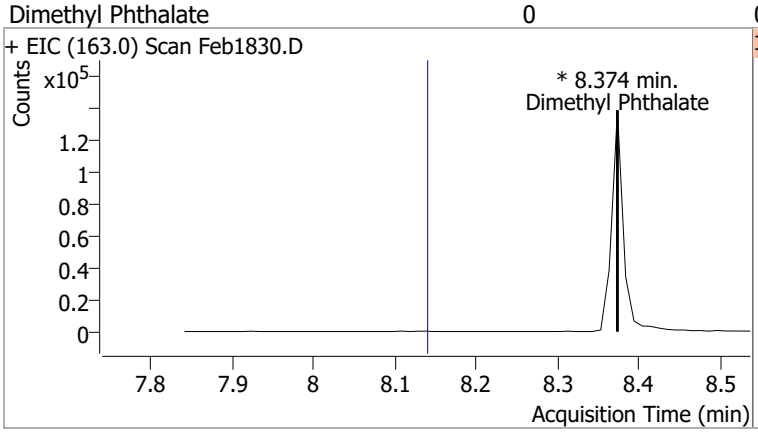


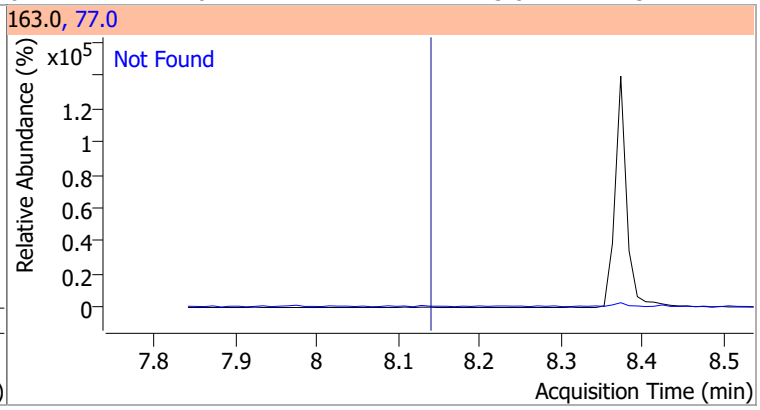
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



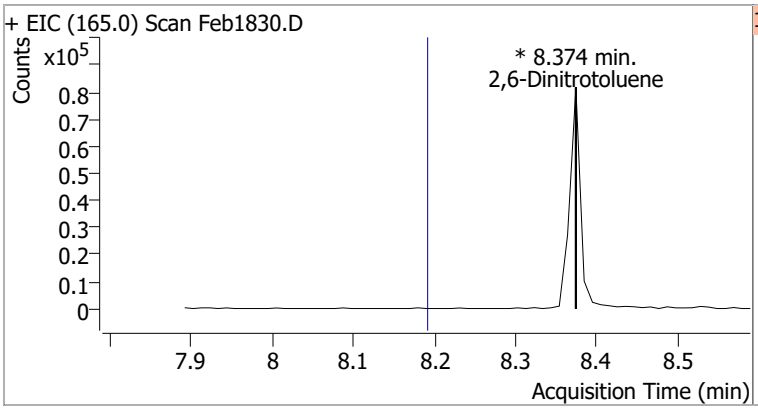


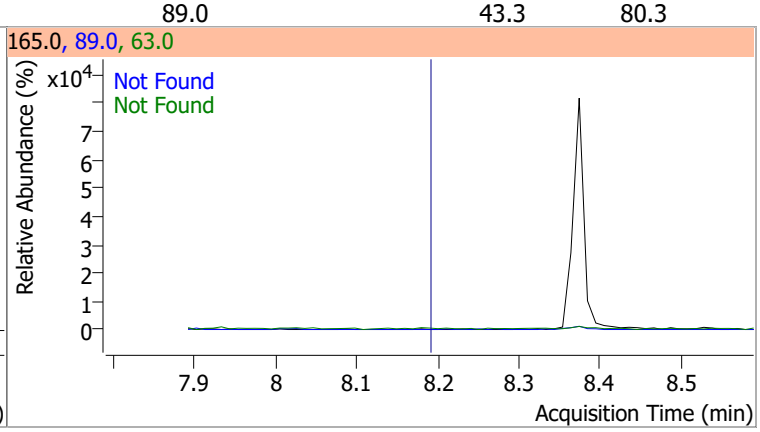
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



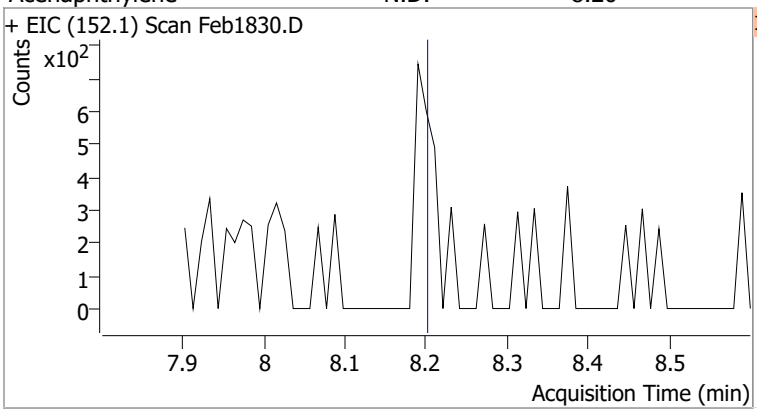


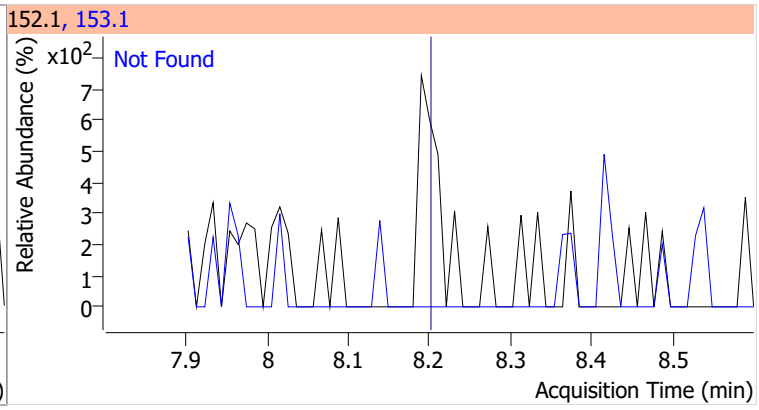
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



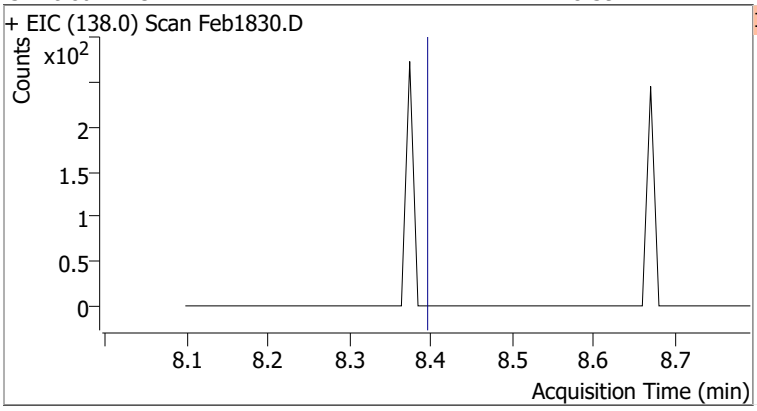


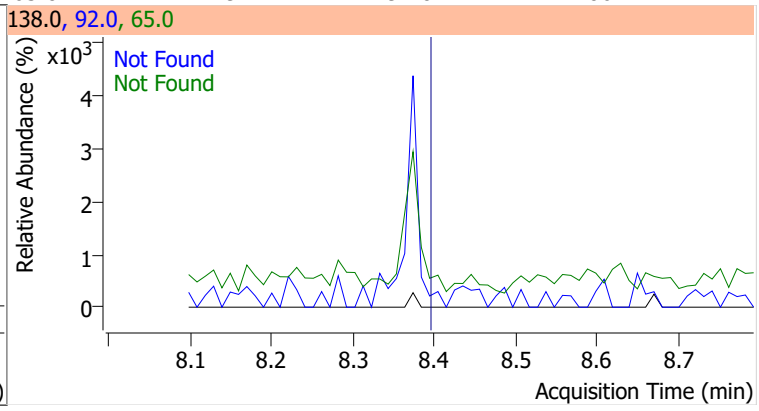
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



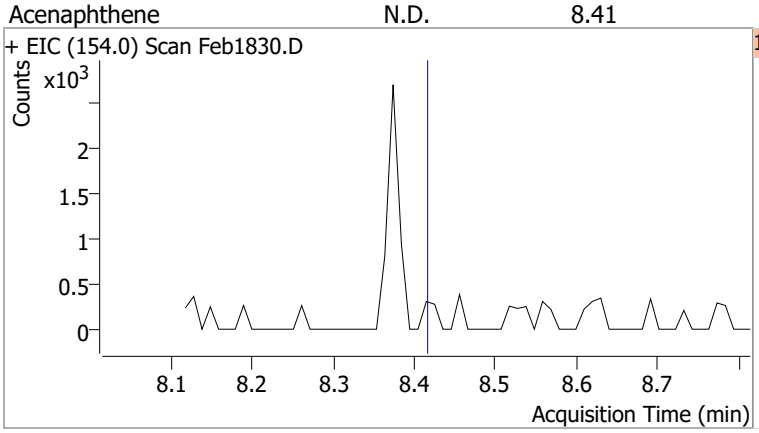


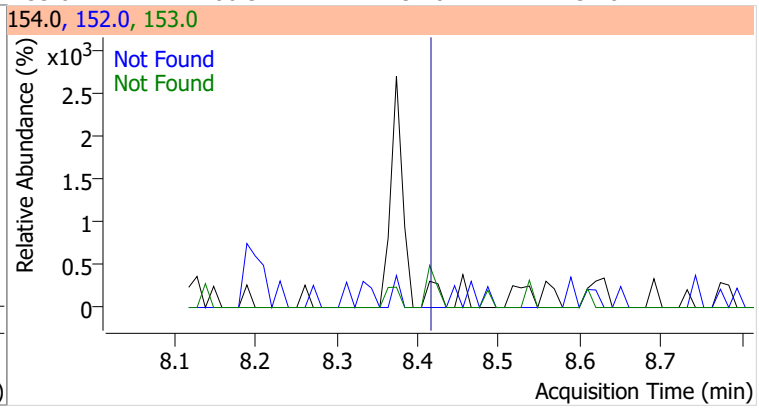
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



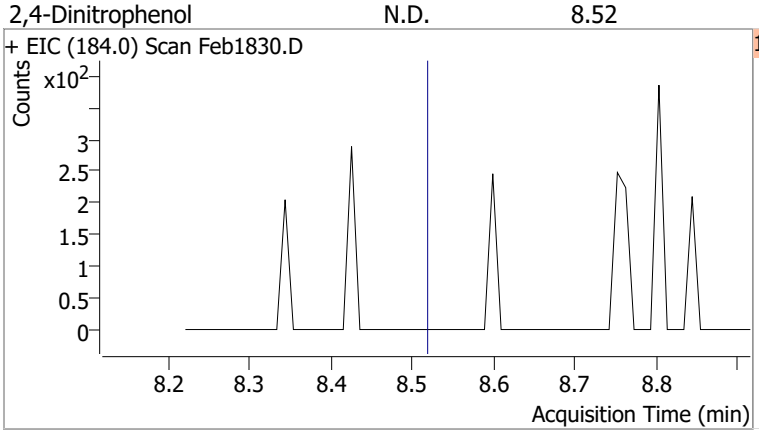


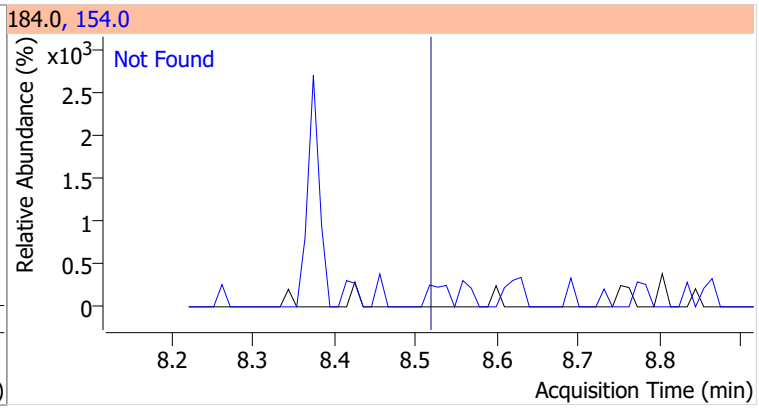
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



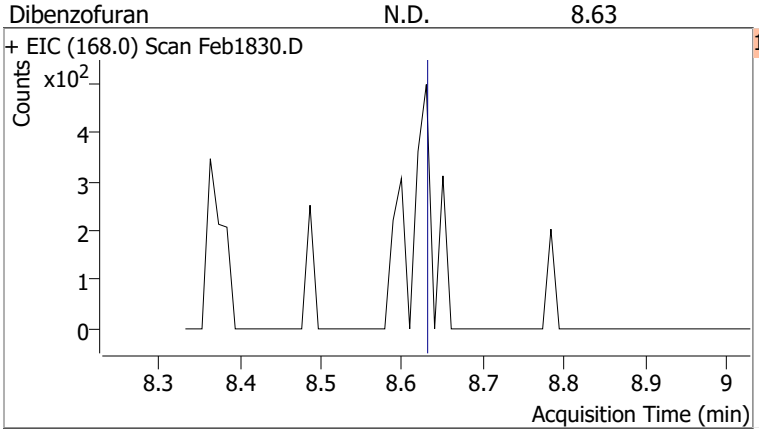


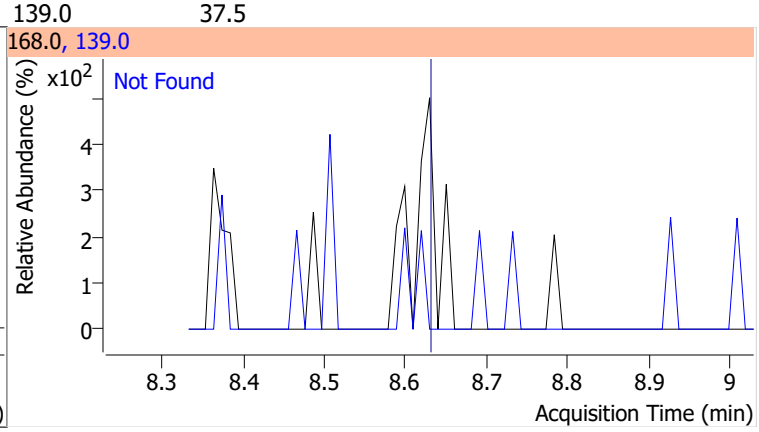
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



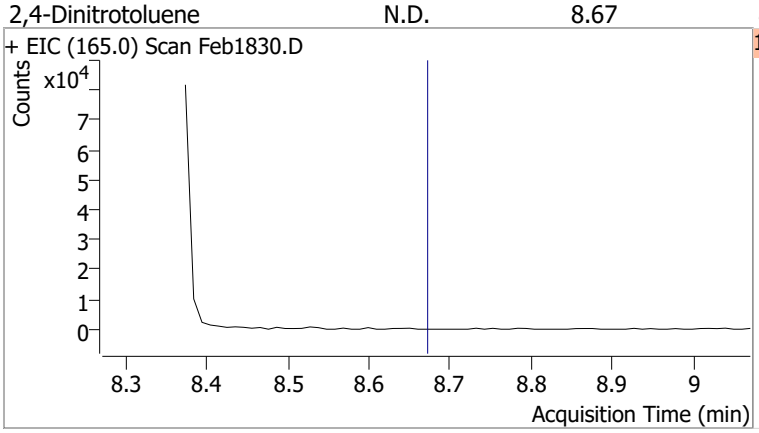


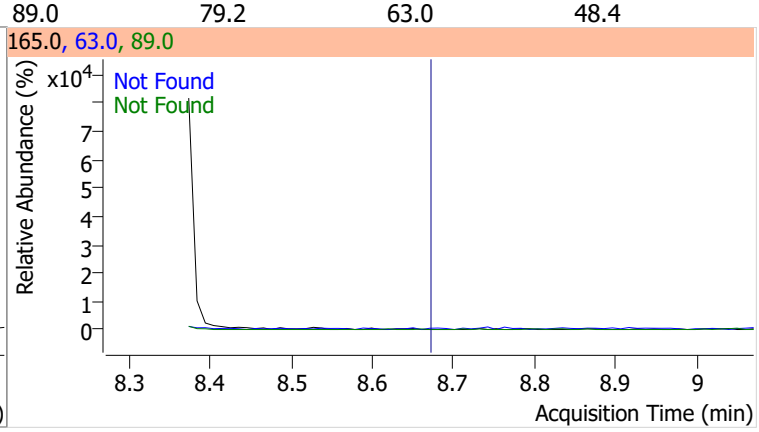
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



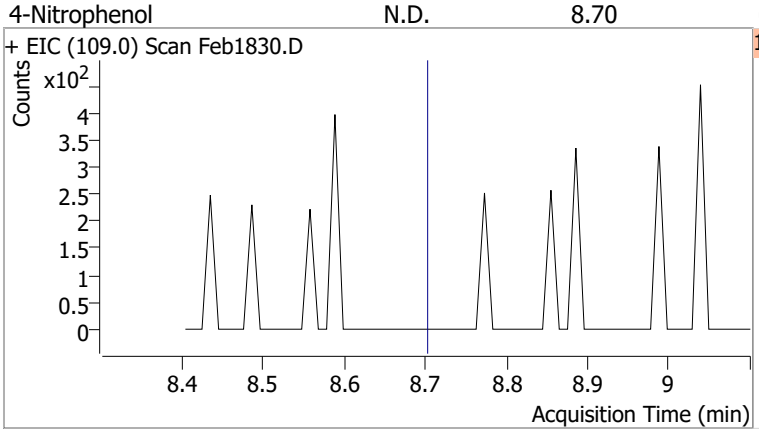


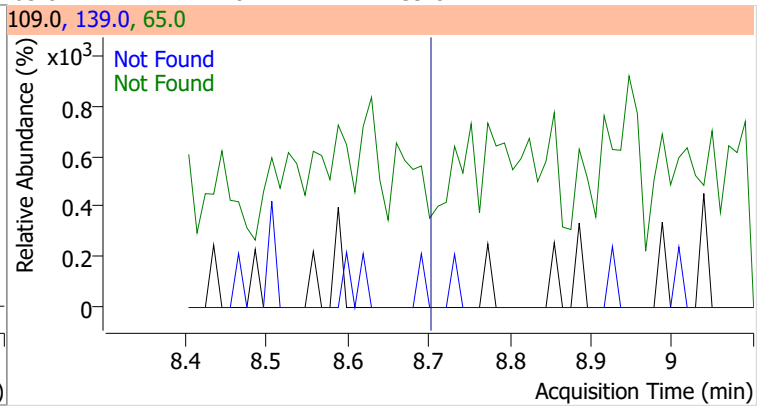
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



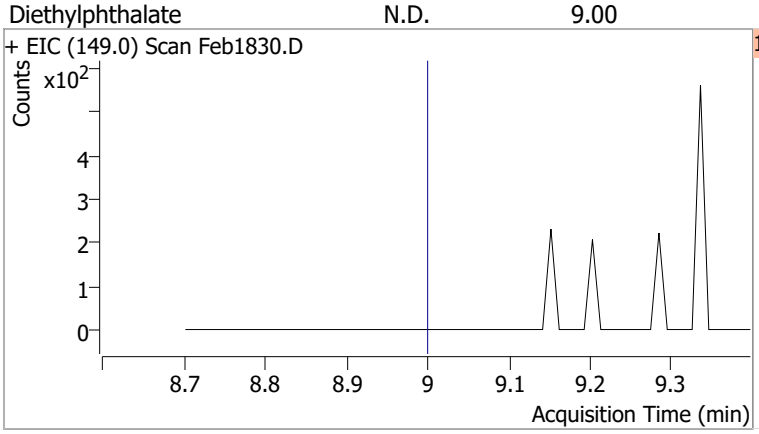


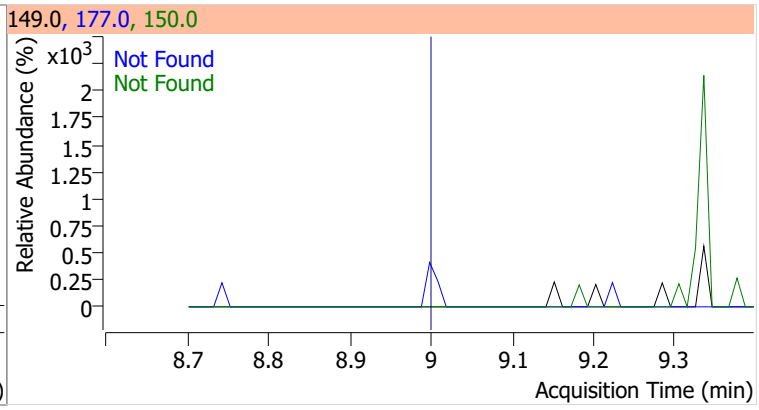
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



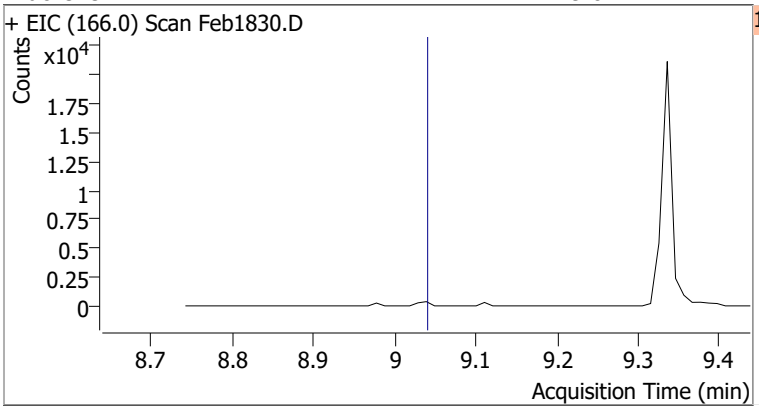


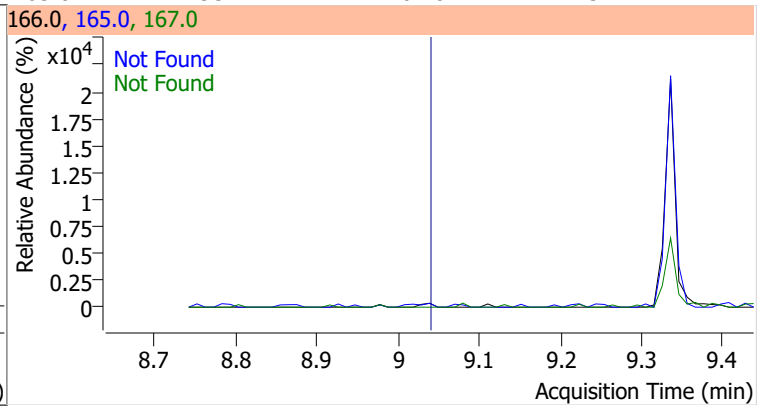
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



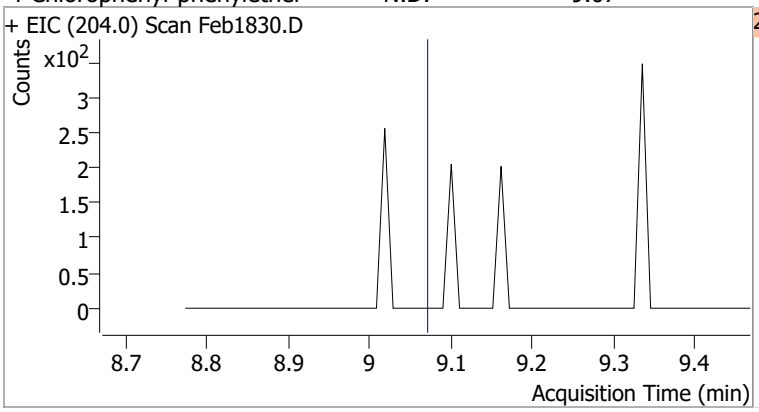


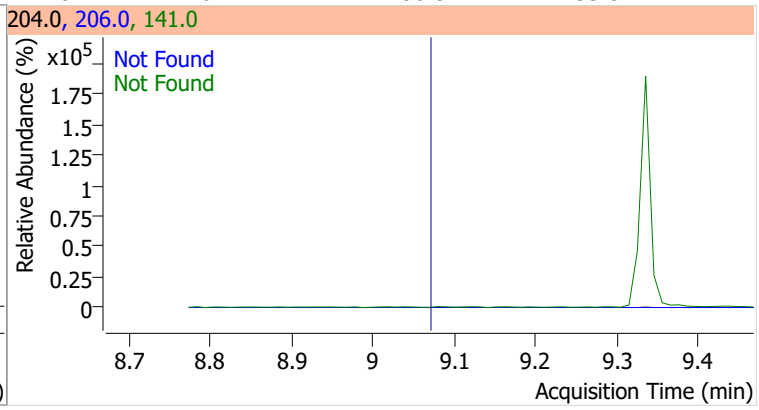
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



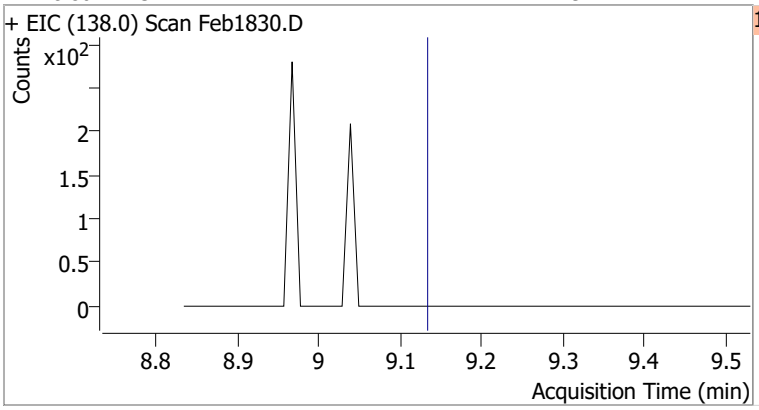


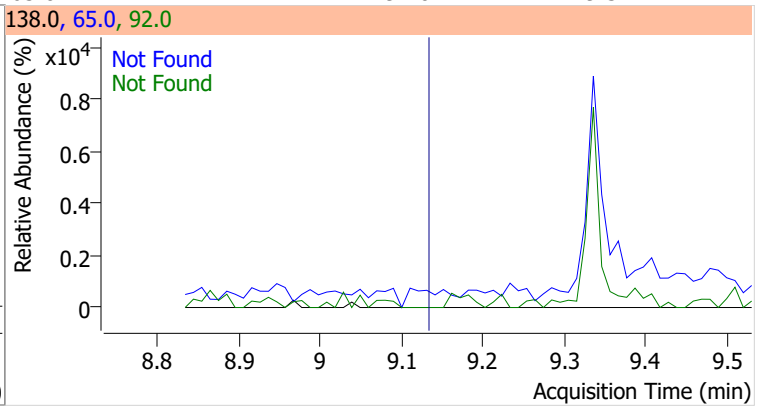
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



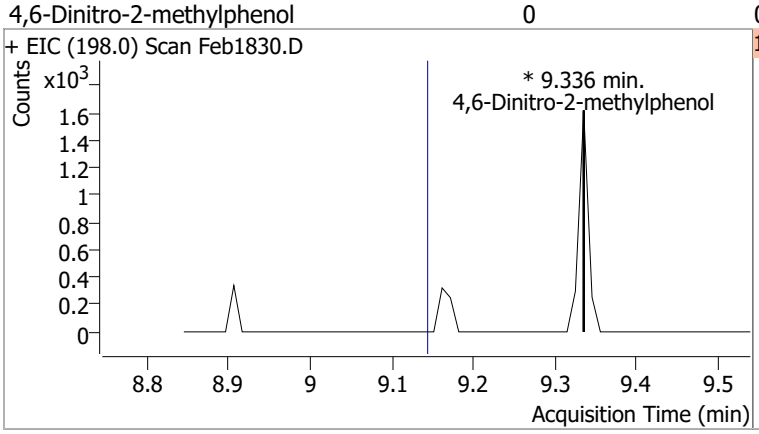


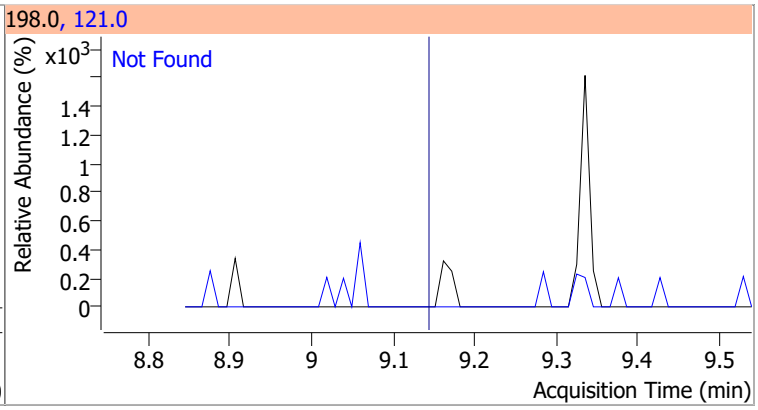
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



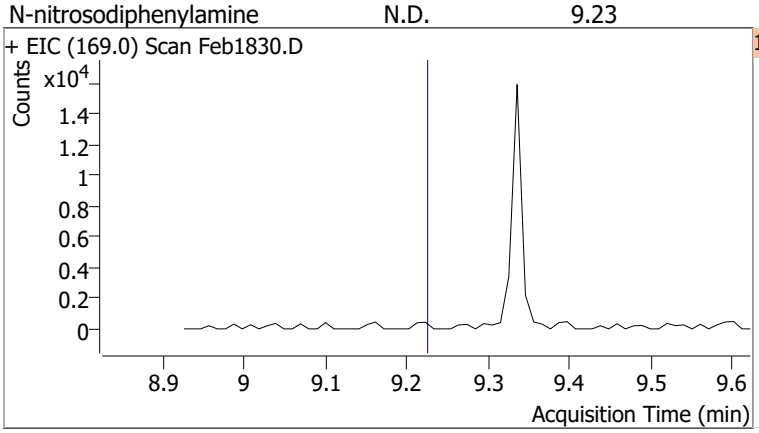


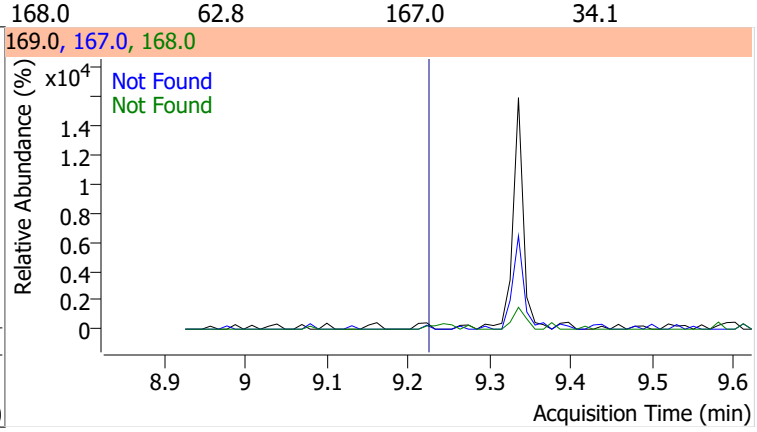
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



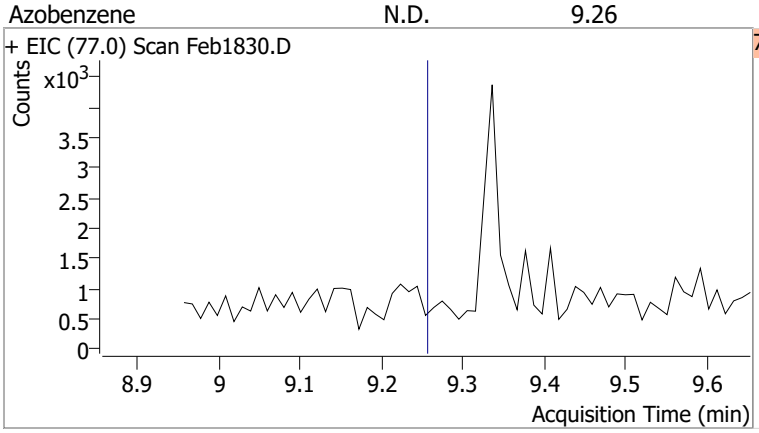


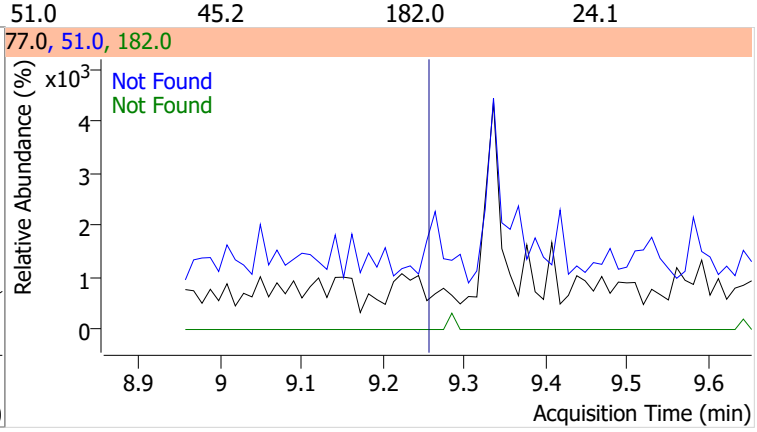
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



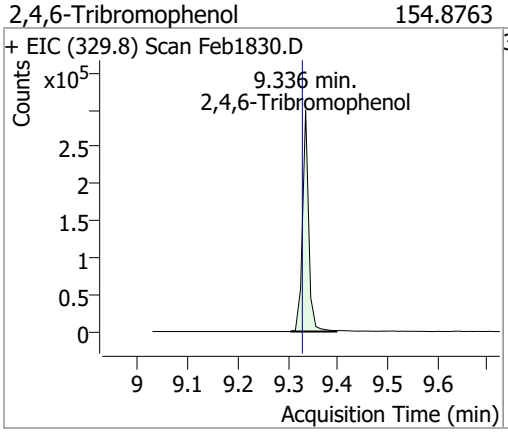


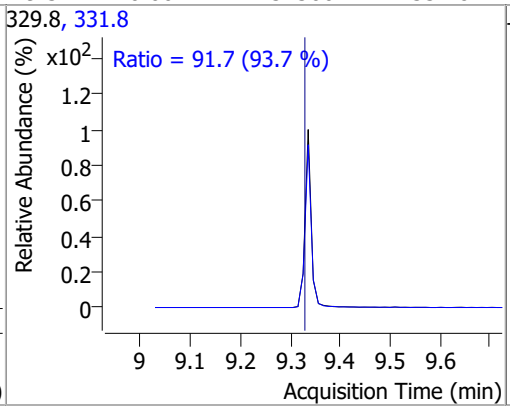
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

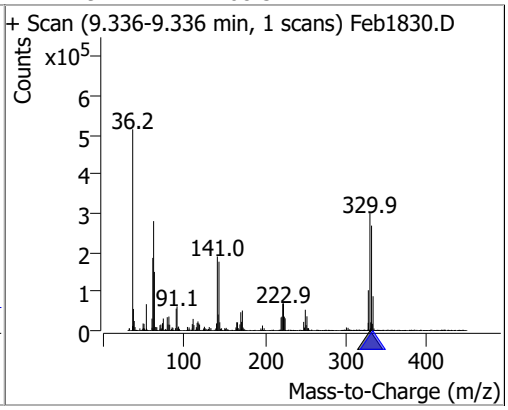




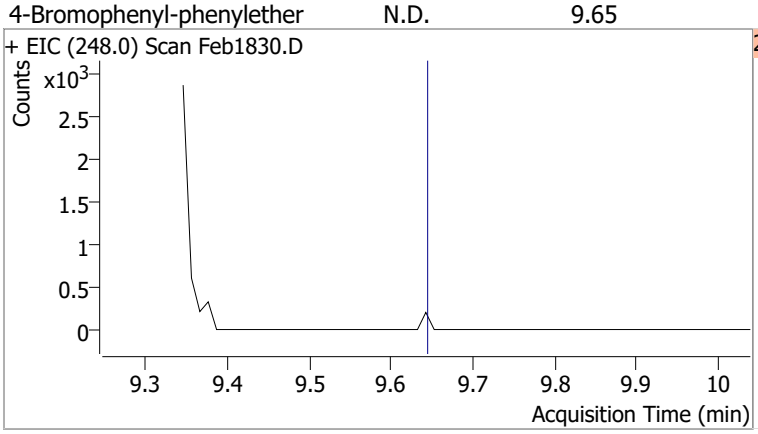
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	154.8763	9.34	0.00	257300	331.8	91.7	68.5	127.2

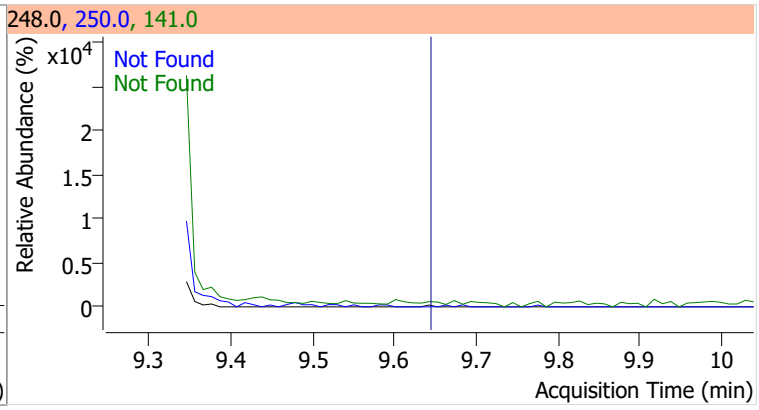




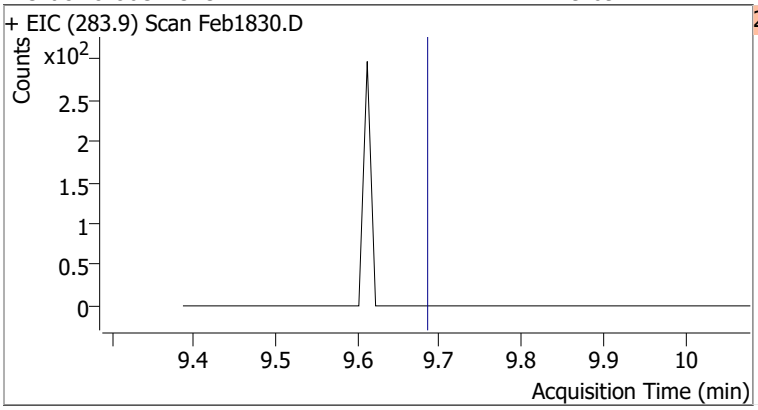


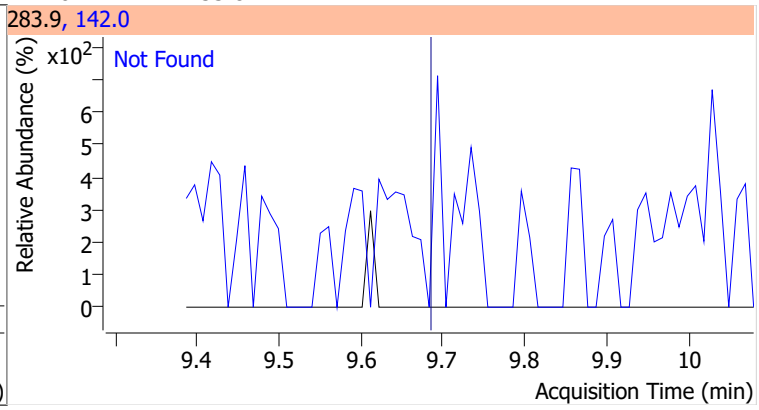
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



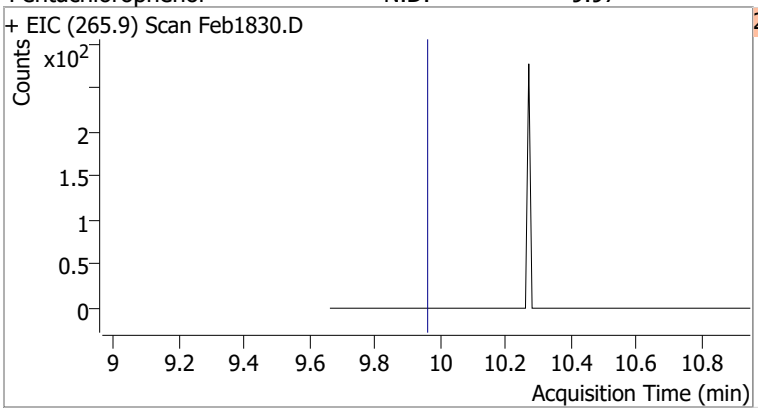


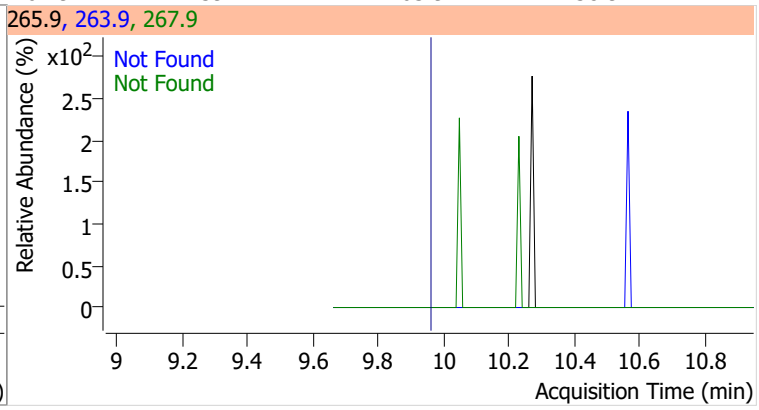
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



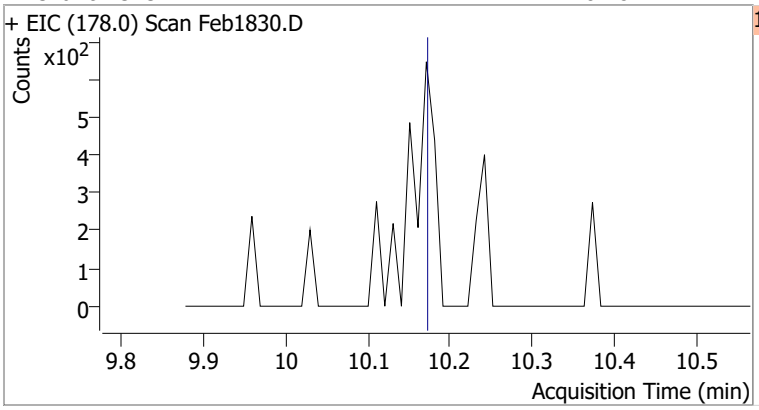


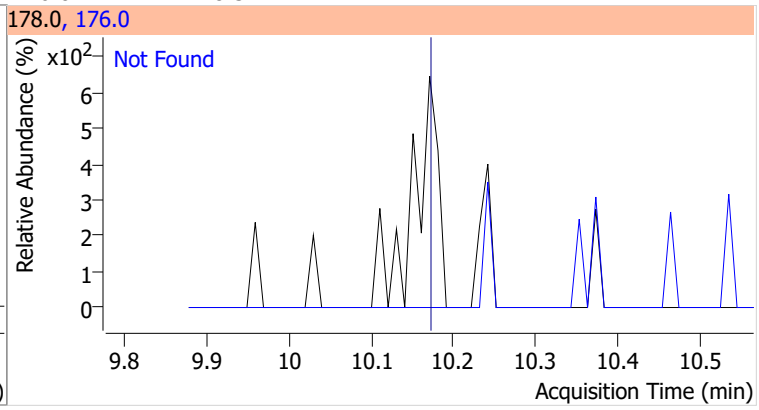
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



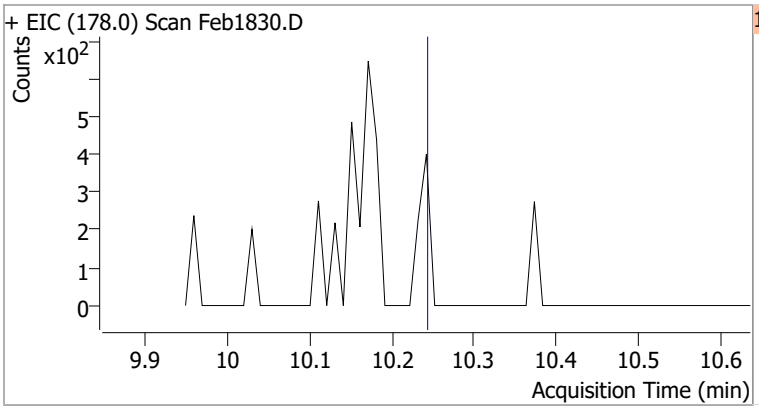


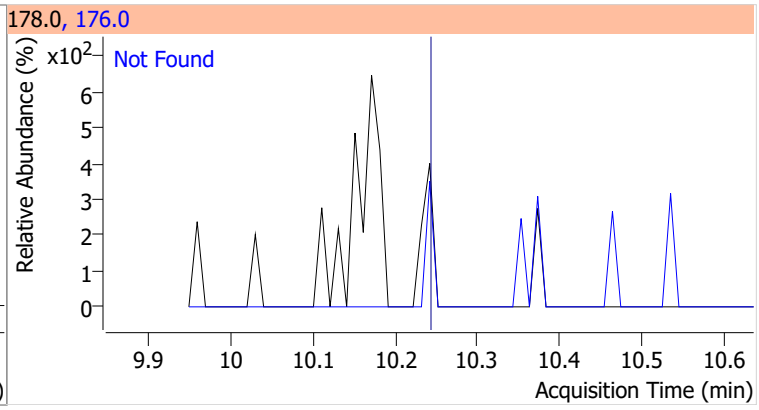
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



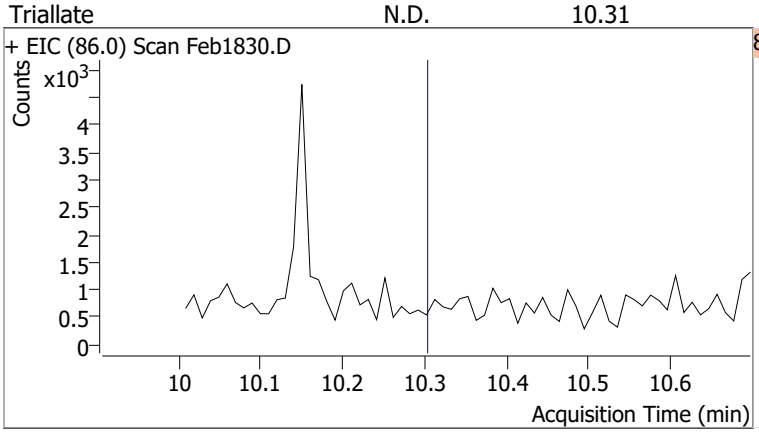


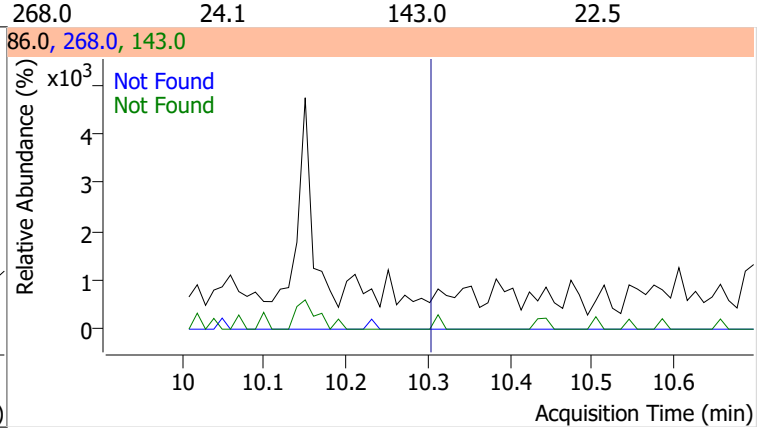
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



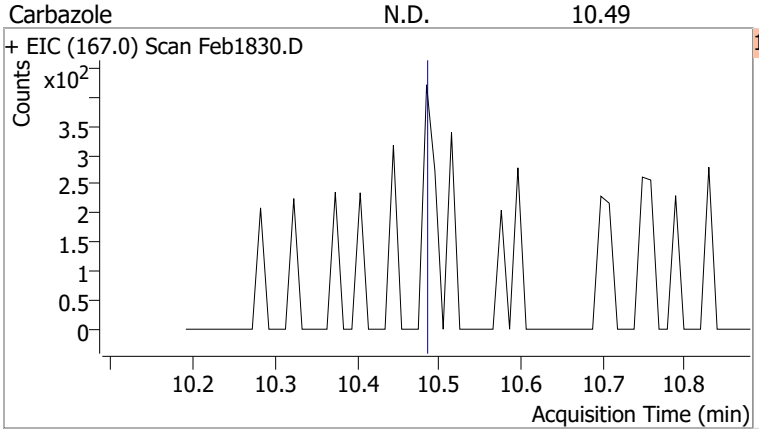


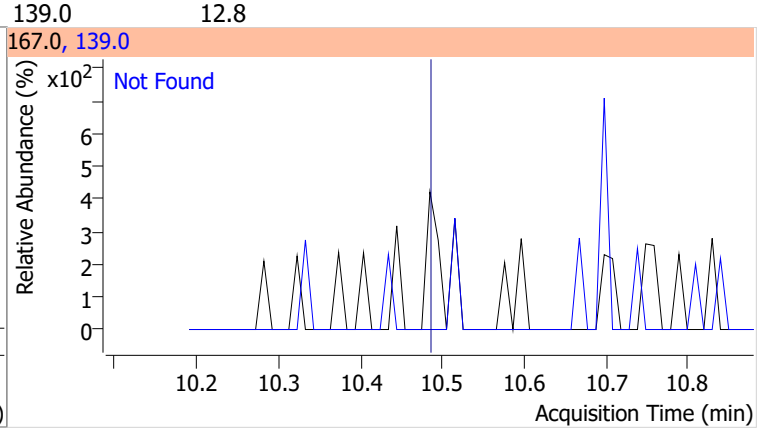
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



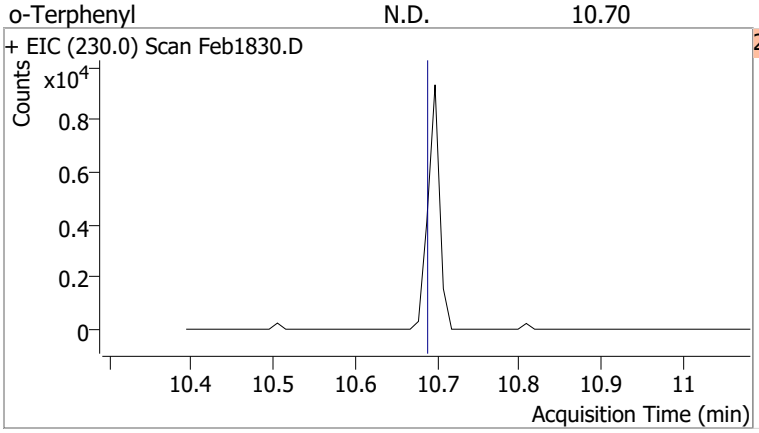


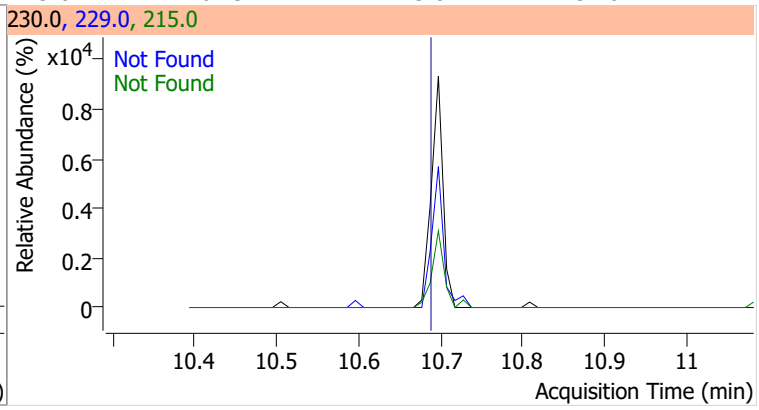
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



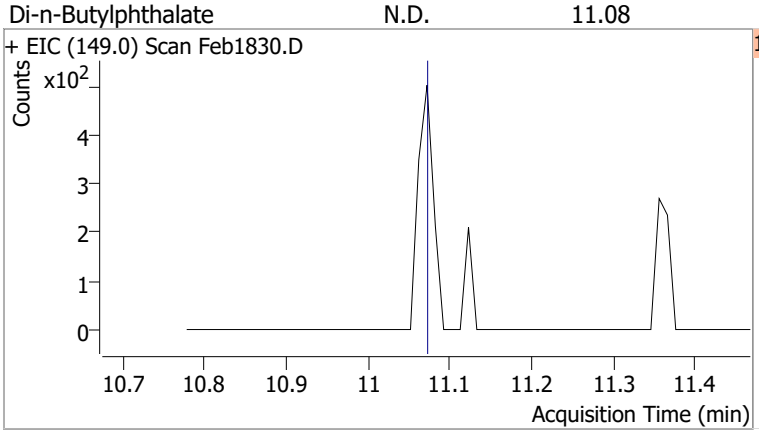


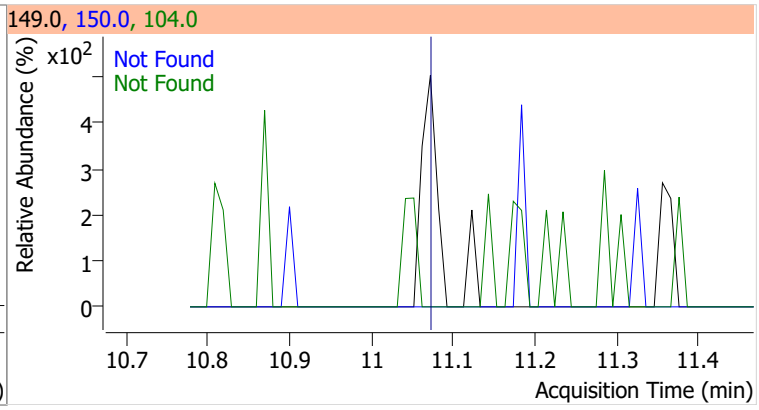
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



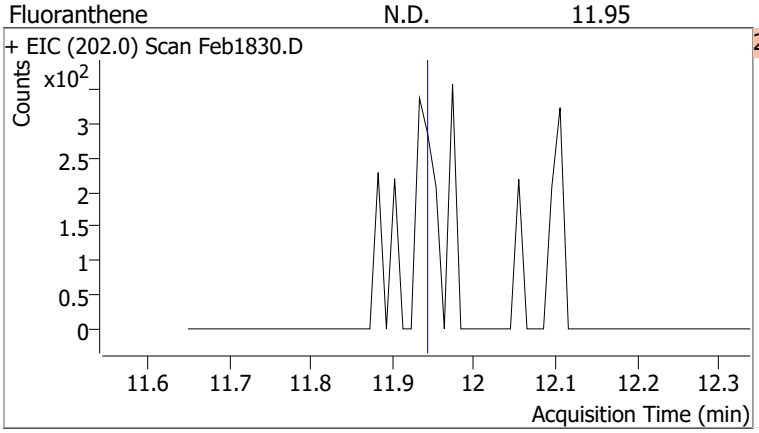


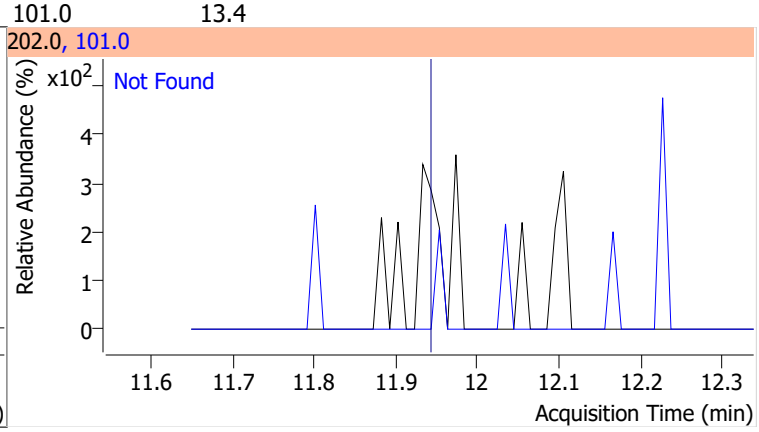
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



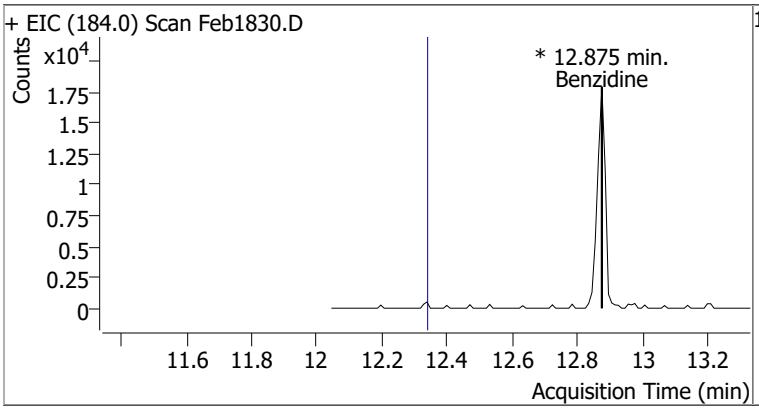


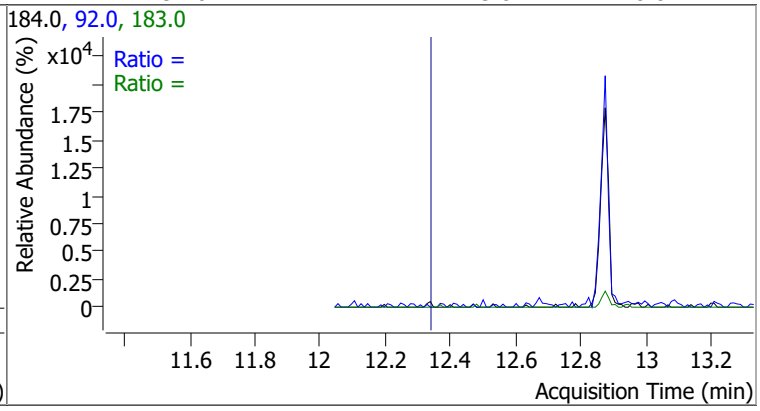
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



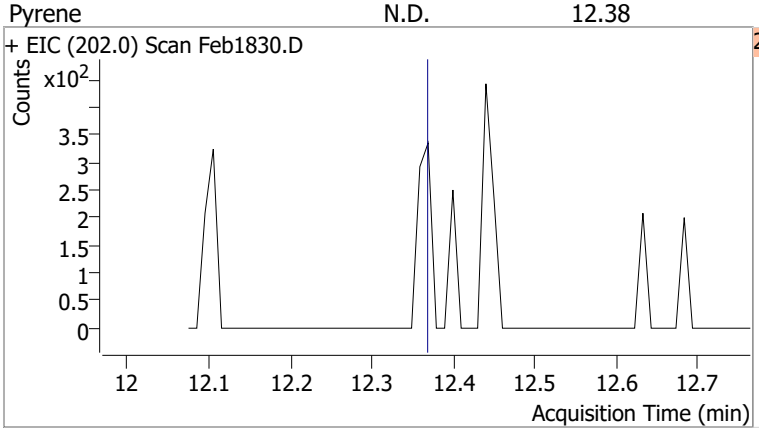


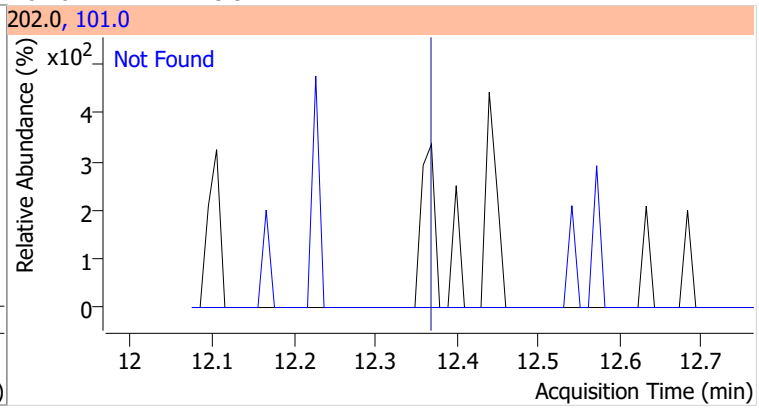
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



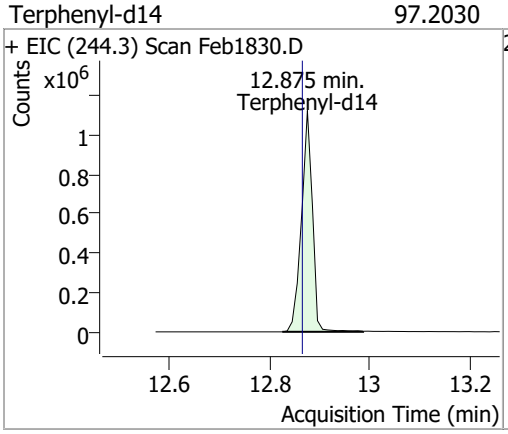


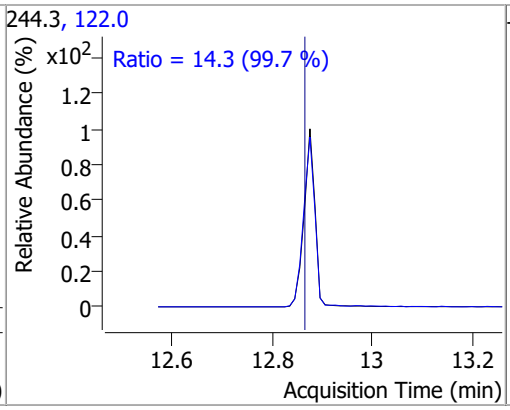
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

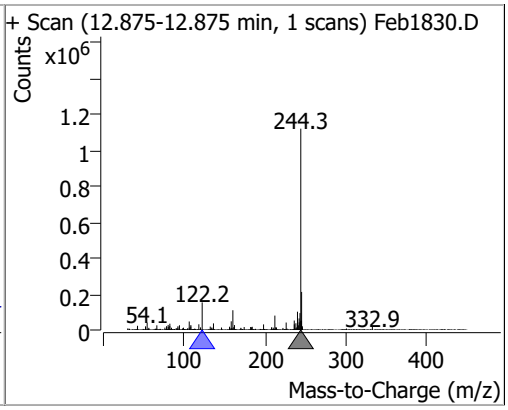




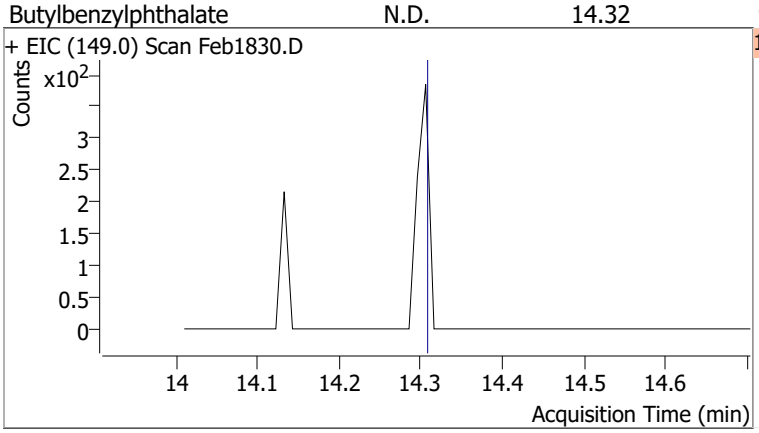
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	97.2030	12.88	0.00	1714125	122.0	14.3	10.1	18.7

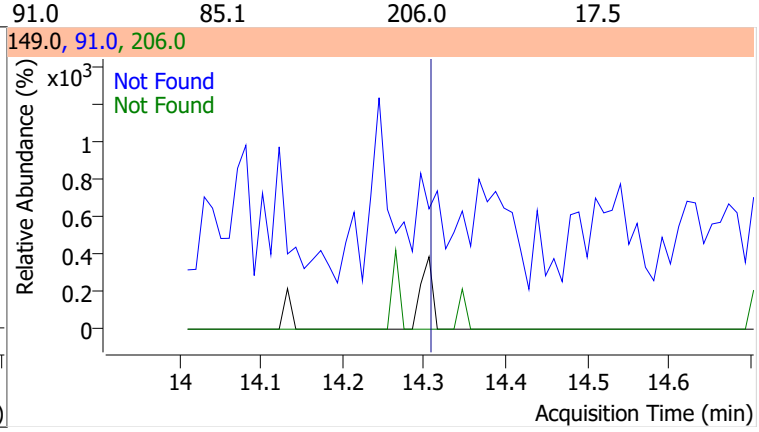




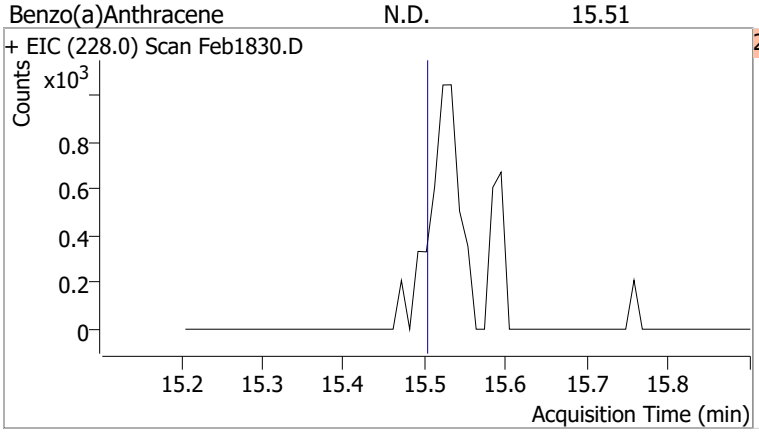


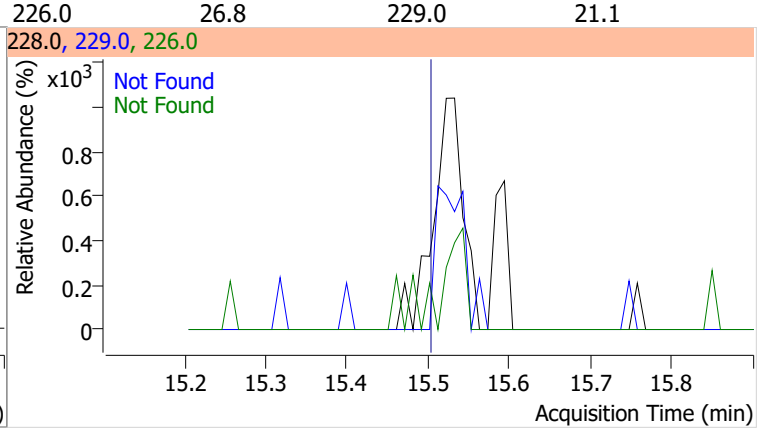
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



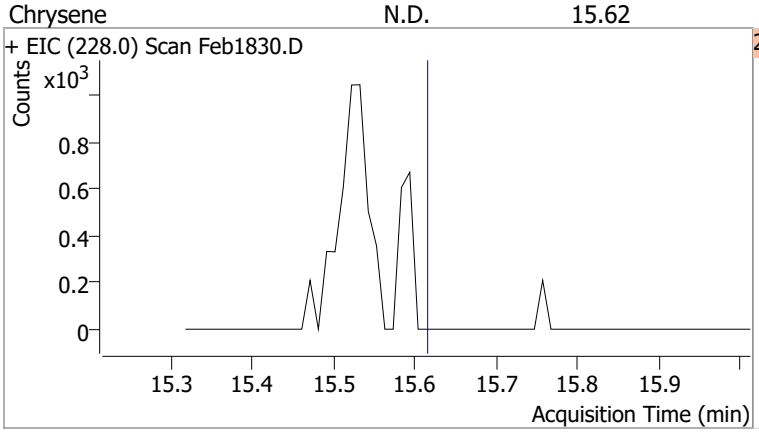


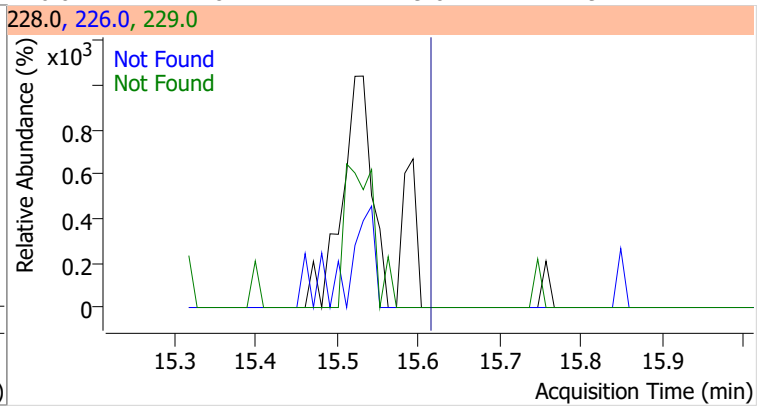
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



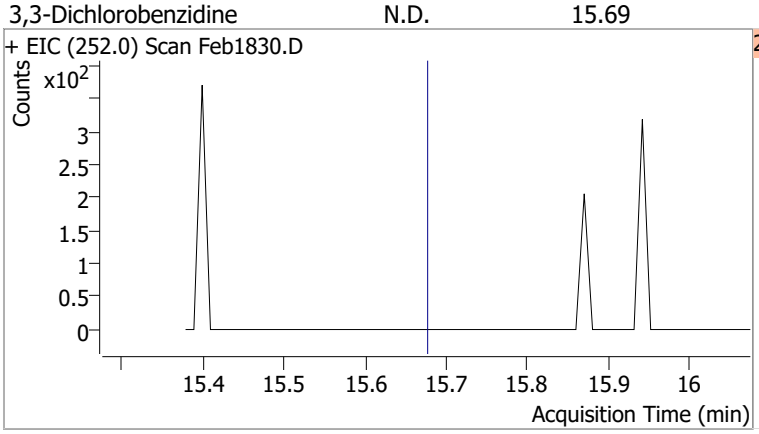


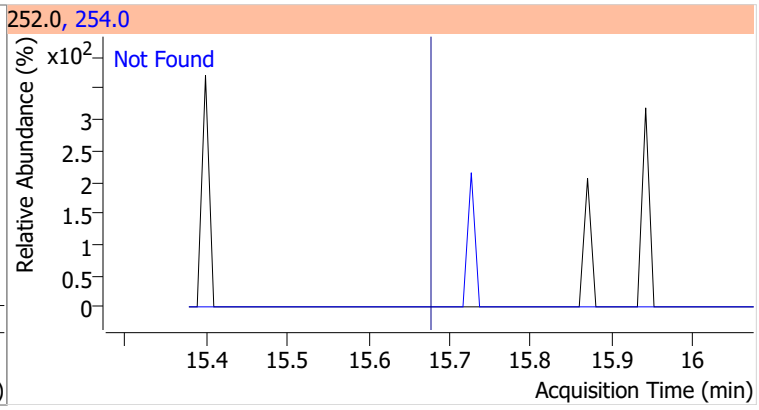
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



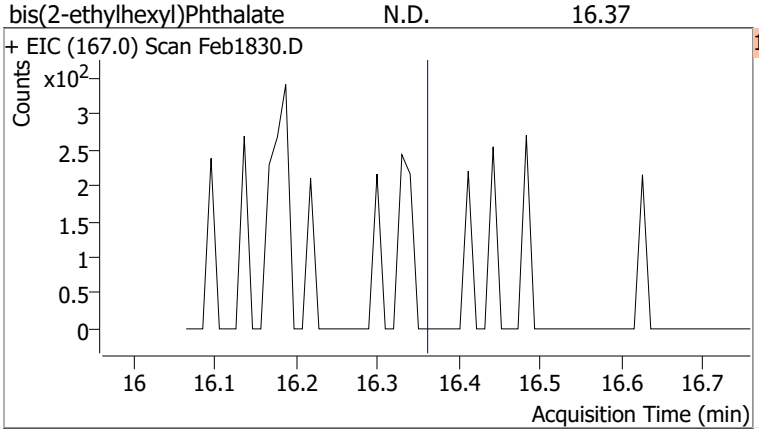


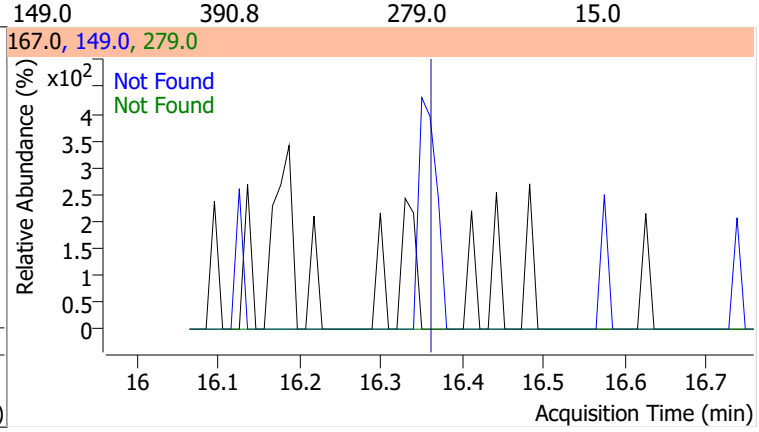
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



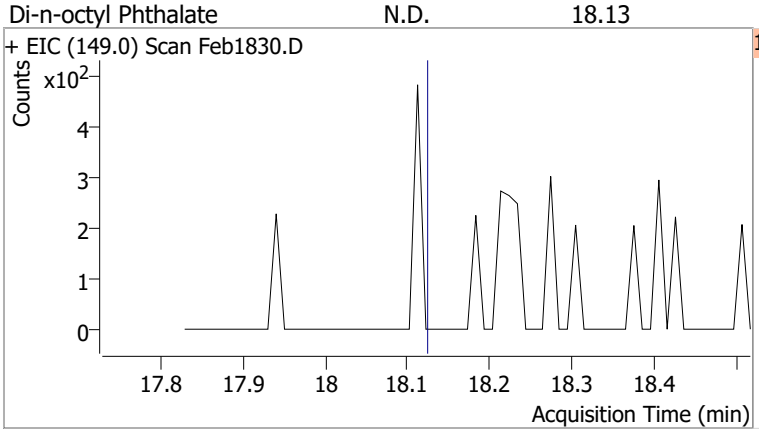


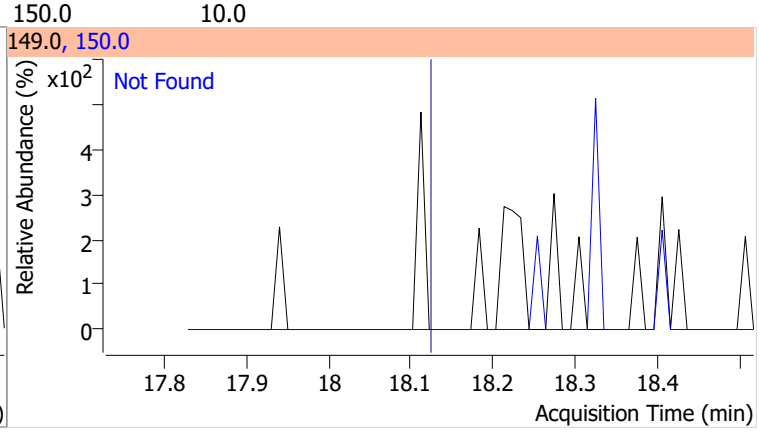
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



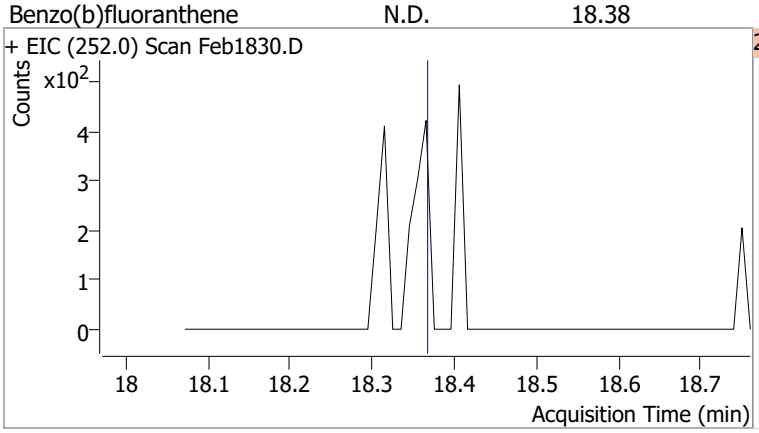


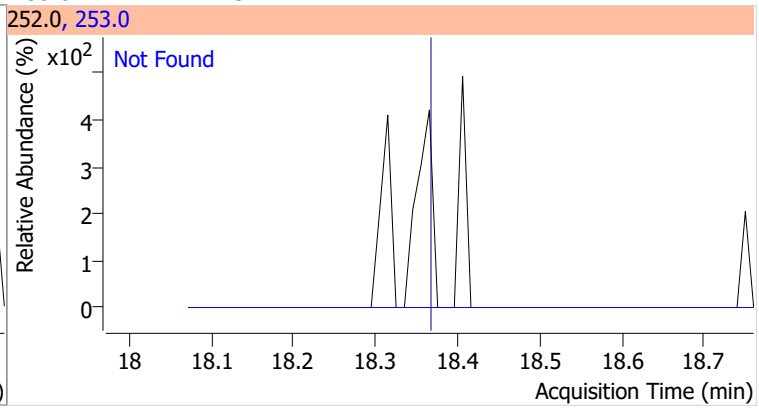
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



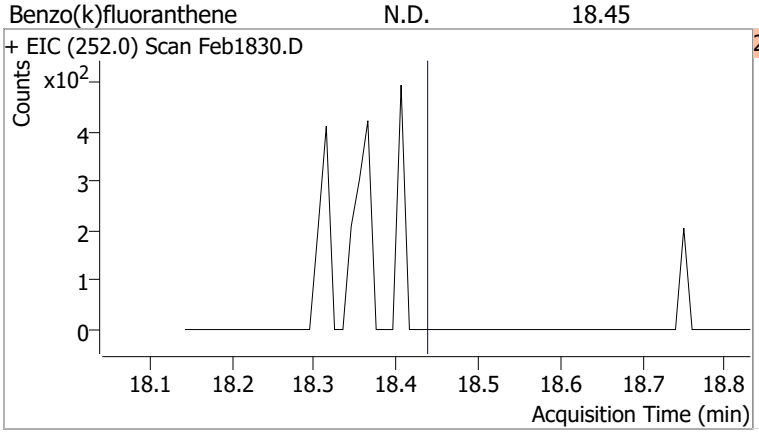


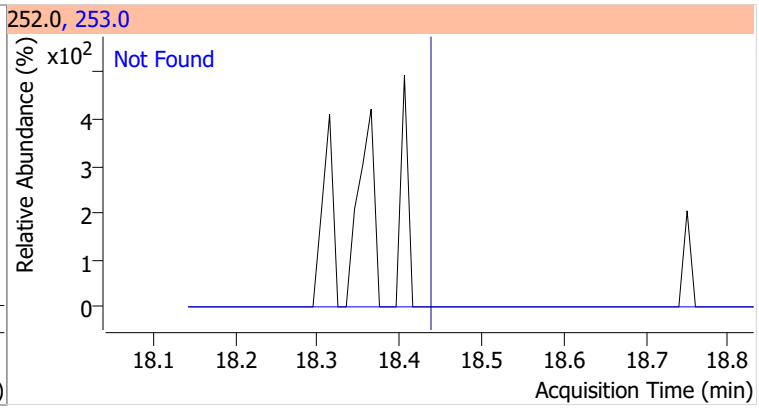
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



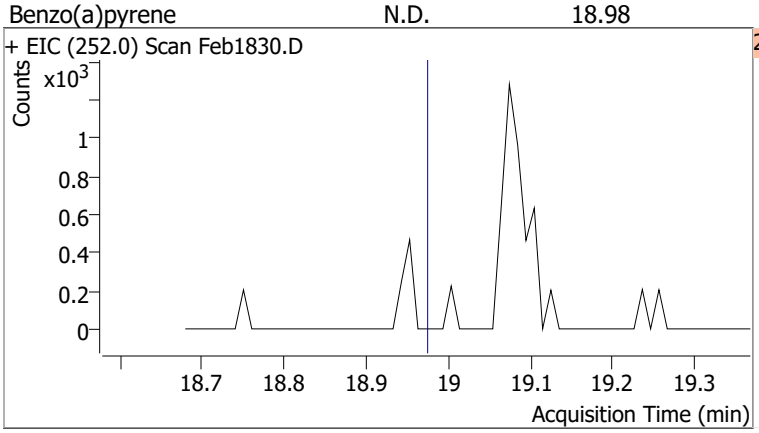


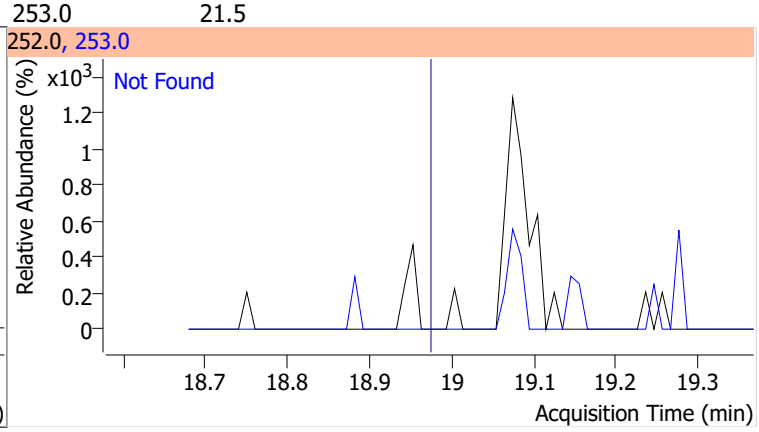
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



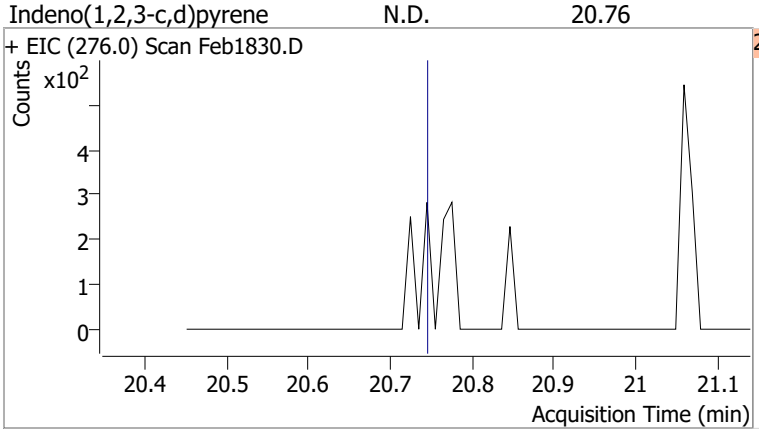


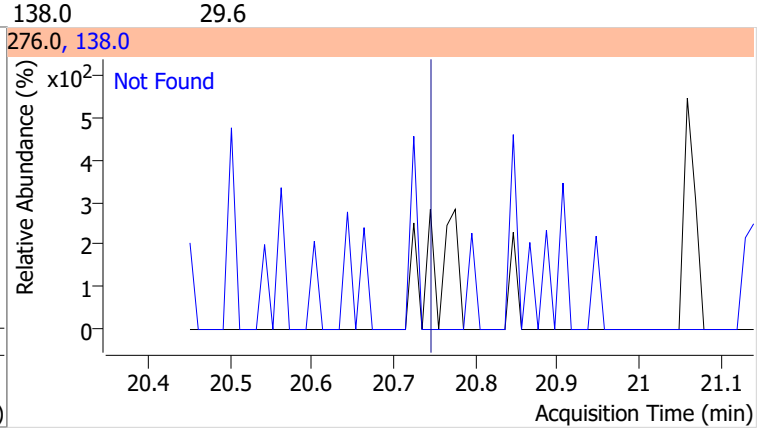
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



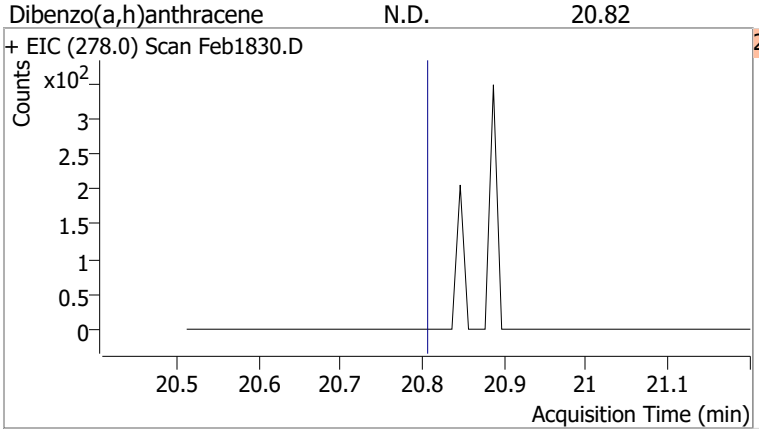


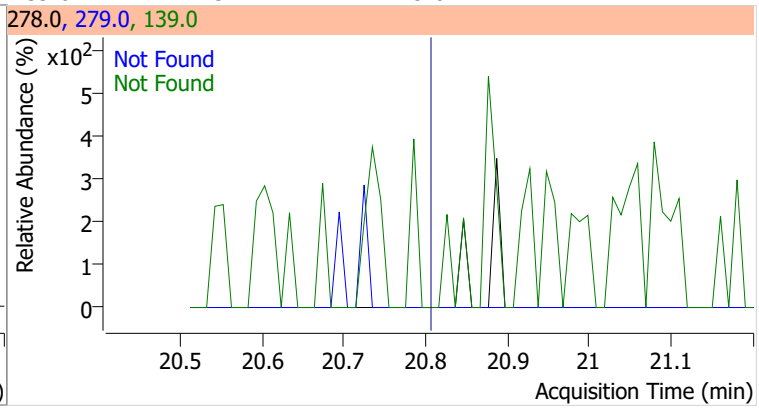
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



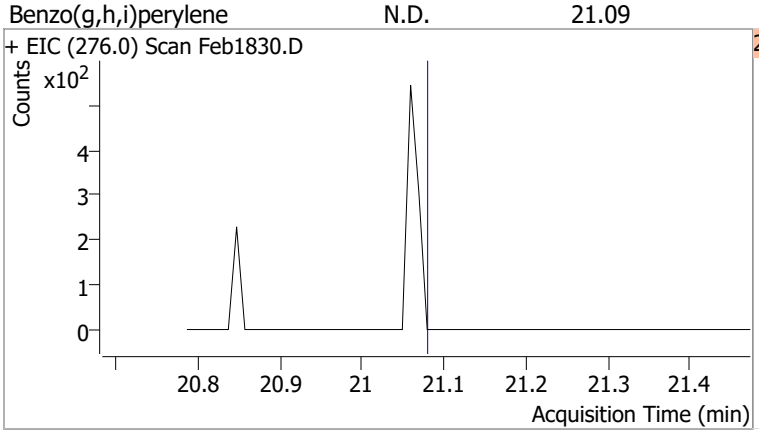


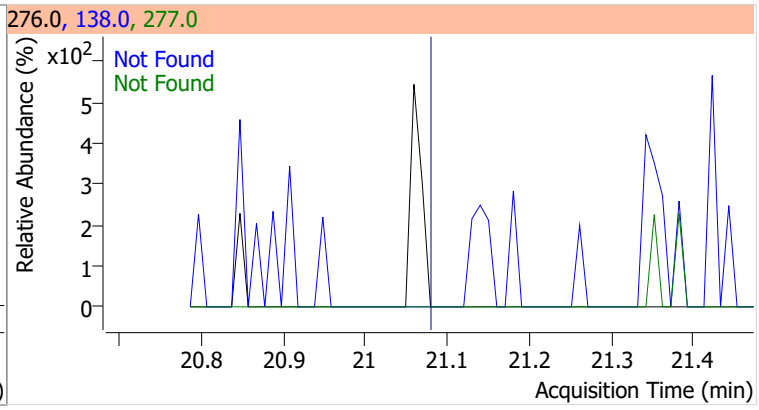
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





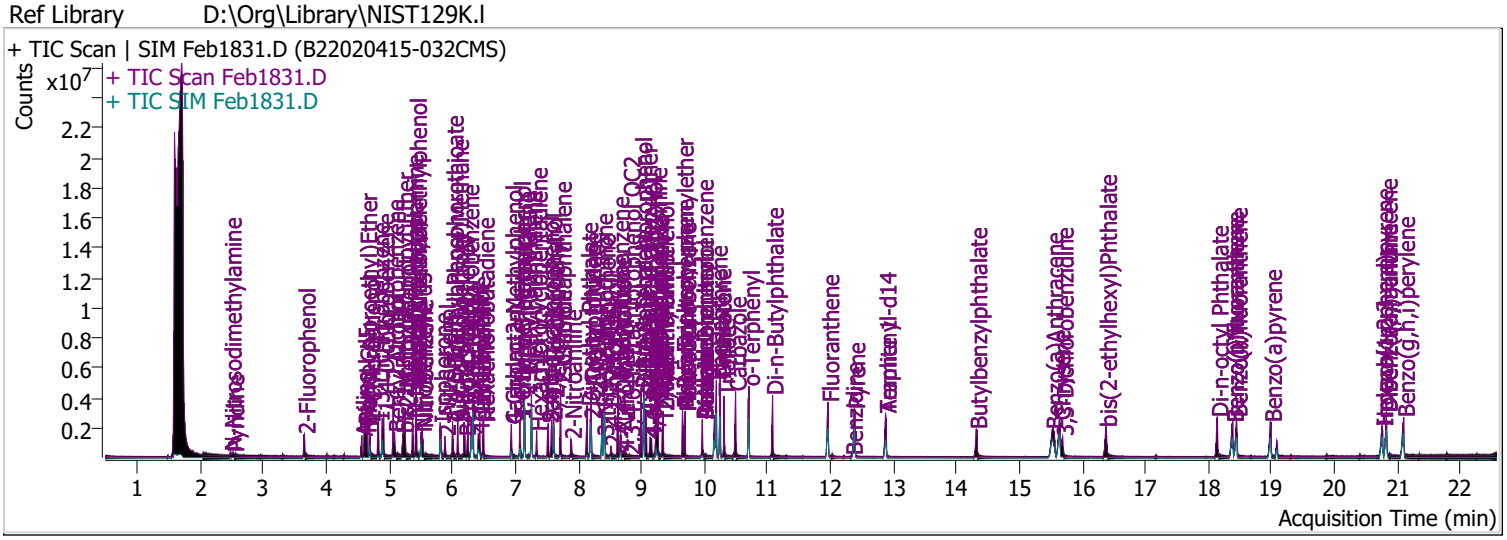
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1831.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/19/2022 11:59:22 PM
Sample Name	B22020415-032CMS	Instrument	Instrument #1
Vial	31	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



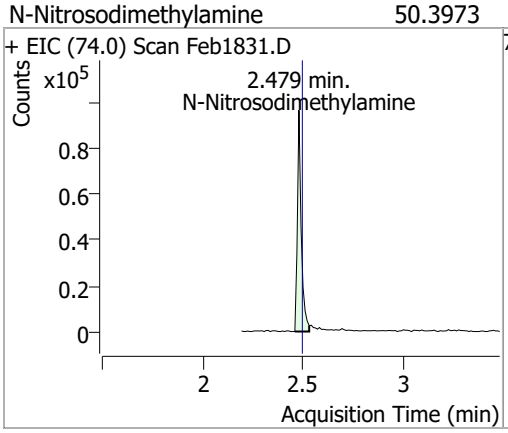
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	617968	70.1420	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 35.07%			
S Phenol-d5	4.603	99.0	837044	73.5449	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 36.77%			
S Nitrobenzene-d5	5.502	82.0	443653	70.1329	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 70.13%			
S 2-Fluorobiphenyl	7.605	172.0	1253248	69.5275	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 69.53%			
S 2,4,6-Tribromophenol	9.346	329.8	320085	172.8027	µg/L		0.010
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 86.40%			
S Terphenyl-d14	12.875	244.3	1766054	93.1049	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 93.10%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.479	74.0	129381	50.3973	µg/L		83
T Pyridine	2.519	79.0	203459	31.3031	µg/L		100
T Aniline	4.562	93.0	590816	36.3269	µg/L	m	98
T Phenol	4.623	94.0	495899	39.6263	µg/L		90
T bis(-2-Chloroethyl)Ether	4.634	63.0	584493	68.1702	µg/L		98
T 2-Chlorophenol	4.685	128.0	659543	64.8925	µg/L		99
T 1,3-Dichlorobenzene	4.828	146.0	778225	59.1248	µg/L		99
T 1,4-Dichlorobenzene	4.909	146.0	792459	59.4746	µg/L		100
T 1,2-Dichlorobenzene	5.063	146.0	811241	63.5307	µg/L	m	98
T Benzyl Alcohol	5.083	108.0	307826	62.4539	µg/L		98
T bis(2-chloroisopropyl)Ether	5.216	121.0	218980	63.8406	µg/L		97
T 2-Methylphenol	5.246	107.0	604920	68.6384	µg/L		96
T N-nitroso-Di-n-propylamine	5.369	70.0	514334	84.3299	µg/L		98
T 4Methylphenol/3Methylphenol	5.420	107.0	790063	65.5220	µg/L		98
T Hexachloroethane	5.420	117.0	219630	57.0944	µg/L		98

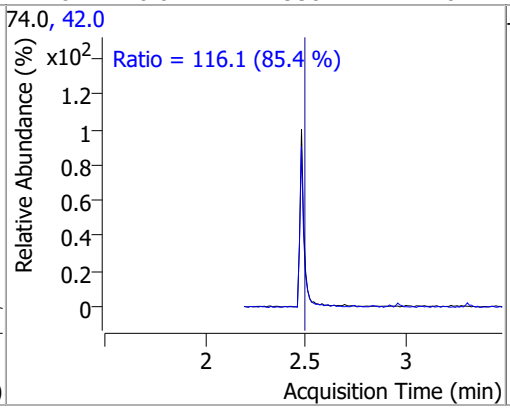
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.522	123.1	221791	68.8597	µg/L		98
T Isophorone	5.808	82.0	1207022	81.4010	µg/L		99
T 2-Nitrophenol	5.880	139.0	255413	77.1918	µg/L		96
T 2,4-Dimethylphenol	6.003	122.0	485652	70.0442	µg/L		95
T bis(-2-Chloroethoxy)Methane	6.085	93.0	664529	76.9991	µg/L		96
T 2,4-Dichlorophenol	6.187	162.0	495459	75.1768	µg/L		96
T Benzoic Acid	6.198	105.0	98422	32.4640	µg/L	#	80
T 1,2,4-Trichlorobenzene	6.249	180.0	572310	72.0935	µg/L		100
T Naphthalene	6.331	128.0	1802251	76.4488	µg/L		99
T 4-Chlorophenol	6.413	130.0	167710	67.8853	µg/L		98
T p-Chloroaniline	6.434	127.0	609515	65.9299	µg/L		99
T Hexachlorobutadiene	6.496	224.9	275506	67.2817	µg/L		97
T 4-Chloro-2-Methylphenol	6.937	107.0	476086	77.8398	µg/L	m	97
T 4-Chloro-3-Methylphenol	7.071	107.0	517256	81.0534	µg/L	m	99
T 2-Methylnaphthalene	7.143	141.0	1064963	79.9060	µg/L		99
T 1-Methylnaphthalene	7.255	141.0	944734	72.7346	µg/L		99
T Hexachlorocyclopentadiene	7.338	236.9	163861	65.1477	µg/L		98
T 2,4,6-Trichlorophenol	7.522	196.0	373062	83.7141	µg/L		100
T 2,4,5-Trichlorophenol	7.574	196.0	395034	79.4501	µg/L		93
T 2-Chloronaphthalene	7.718	162.0	1274660	84.1843	µg/L		98
T 2-Nitroaniline	7.882	65.0	214500	79.3698	µg/L		93
T Dimethyl Phthalate	8.139	163.0	1497561	96.7684	µg/L		100
T 2,6-Dinitrotoluene	8.190	165.0	165026	78.8887	µg/L	m	95
T Acenaphthylene	8.200	152.1	1825247	75.3724	µg/L		100
T 3-Nitroaniline	8.394	138.0	173115	73.3441	µg/L		95
T Acenaphthene	8.415	154.0	1151810	83.1184	µg/L		99
T 2,4-Dinitrophenol	8.517	184.0	94969	87.7366	µg/L		99
T Dibenzofuran	8.630	168.0	1927766	85.2153	µg/L		99
T 2,4-Dinitrotoluene	8.671	165.0	234285	88.2941	µg/L		100
T 4-Nitrophenol	8.711	109.0	87793	36.8352	µg/L		98
T Diethylphthalate	8.998	149.0	1594768	98.8804	µg/L		100
T Fluorene	9.039	166.0	1483869	81.4566	µg/L		99
T 4-Chlorophenyl-phenylether	9.080	204.0	684506	83.2125	µg/L		98
T 4-Nitroaniline	9.141	138.0	198500	75.6663	µg/L		100
T 4,6-Dinitro-2-methylphenol	9.162	198.0	151088	91.4789	µg/L		94
T N-nitrosodiphenylamine	9.233	169.0	1064138	85.7001	µg/L		98
T Azobenzene	9.264	77.0	1321398	80.4843	µg/L		94
T 4-Bromophenyl-phenylether	9.653	248.0	395464	83.8941	µg/L		99
T Hexachlorobenzene	9.694	283.9	398770	83.5430	µg/L		95
T Pentachlorophenol	9.968	265.9	228272	98.1697	µg/L		95
T Phenanthrene	10.191	178.0	2204609	85.8874	µg/L		99
T Anthracene	10.252	178.0	2158952	88.7353	µg/L	m	99
T Triallate	10.313	86.0	520549	88.4638	µg/L		97
T Carbazole	10.495	167.0	2109237	85.3800	µg/L		99
T o-Terphenyl	10.708	230.0	1167572	85.4446	µg/L		100
T Di-n-Butylphthalate	11.082	149.0	2281042	94.8638	µg/L		100
T Fluoranthene	11.963	202.0	2238646	86.6005	µg/L		100
T Benzidine	12.338	184.0	91131	10.4870	µg/L		97
T Pyrene	12.379	202.0	2390151	84.8520	µg/L		99
T Butylbenzylphthalate	14.316	149.0	776263	93.8141	µg/L		97
T Benzo(a)Anthracene	15.522	228.0	1927084	92.0091	µg/L		100
T Chrysene	15.634	228.0	2064510	88.4044	µg/L		99
T 3,3-Dichlorobenzidine	15.686	252.0	532522	72.6383	µg/L		100
T bis(2-ethylhexyl)Phthalate	16.370	167.0	277654	96.4328	µg/L		94
T Di-n-octyl Phthalate	18.143	149.0	1859402	93.3114	µg/L		99

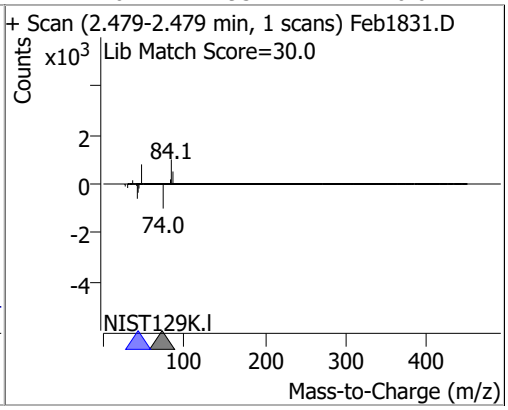
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Benzo(b)fluoranthene	18.386	252.0	1826358	86.8985	µg/L		99
T Benzo(k)fluoranthene	18.446	252.0	1842195	82.9852	µg/L		99
T Benzo(a)pyrene	18.993	252.0	1672366	83.6988	µg/L		97
T Indeno(1,2,3-c,d)pyrene	20.755	276.0	1428308	85.2579	µg/L	m	97
T Dibenzo(a,h)anthracene	20.826	278.0	1570040	85.9722	µg/L		100
T Benzo(g,h,i)perylene	21.099	276.0	1720573	89.1013	µg/L		99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

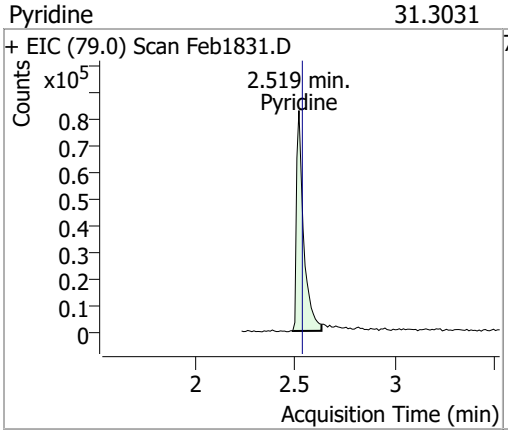
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	50.3973	2.48	-0.01	129381	42.0	116.1	95.1	176.6

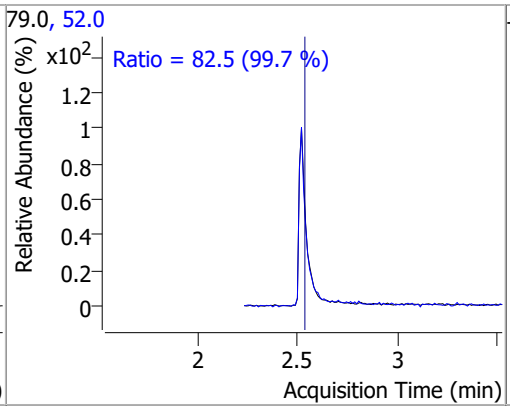


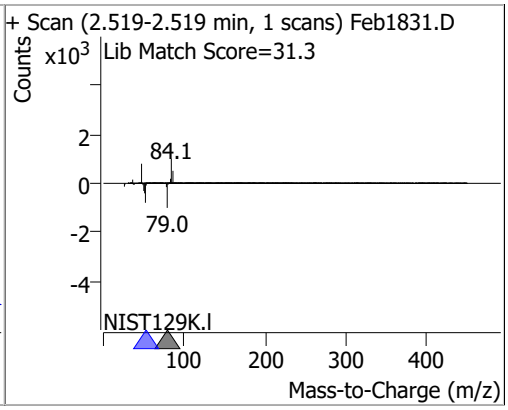




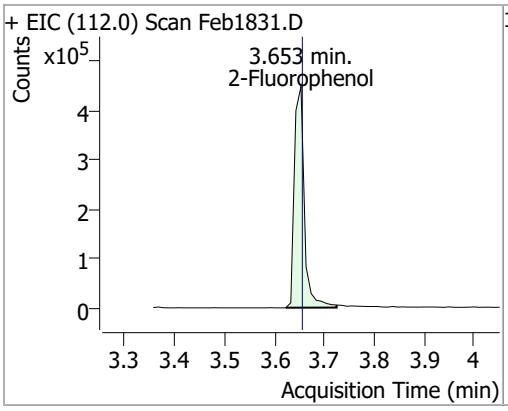
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	31.3031	2.52	-0.01	203459	52.0	82.5	57.9	107.6

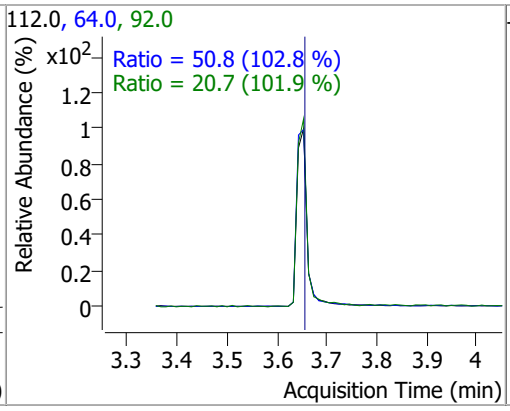


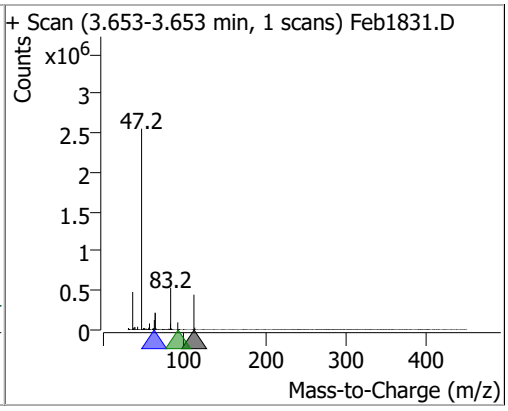




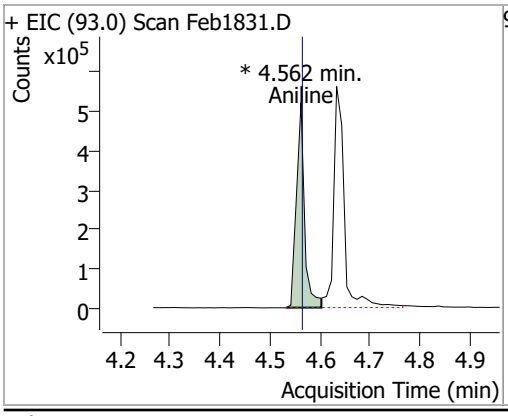
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	70.1420	3.65	0.00	617968	64.0	50.8	34.6	64.3
					92.0	20.7	14.2	26.5

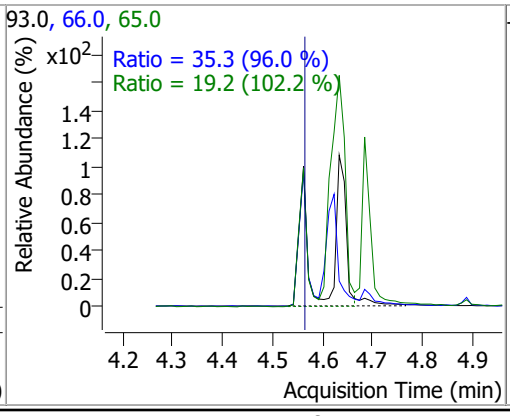


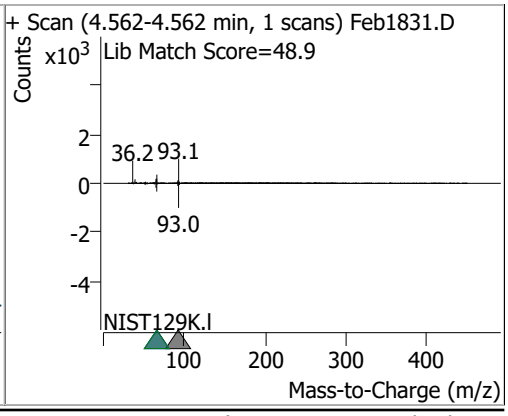




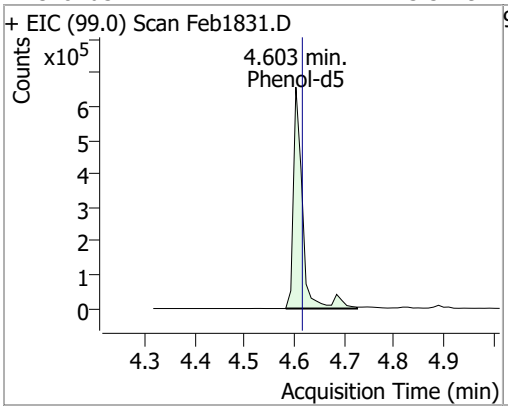
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	36.3269	4.56	0.00	590816 (m)	66.0	35.3	25.7	47.8
					65.0	19.2	13.1	24.4

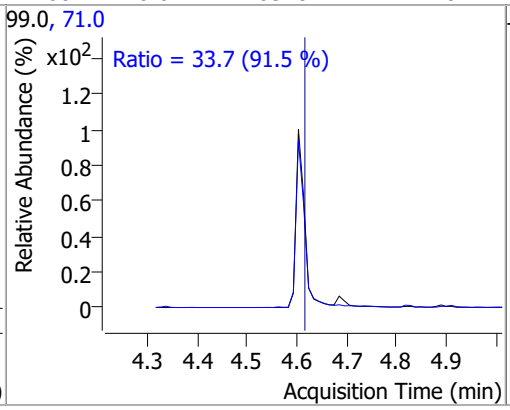


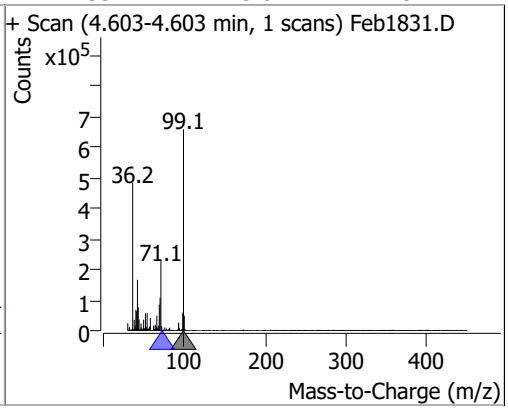




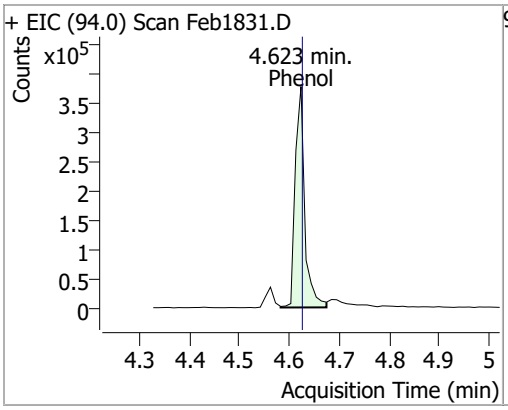
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	73.5449	4.60	-0.01	837044	71.0	33.7	25.8	47.9

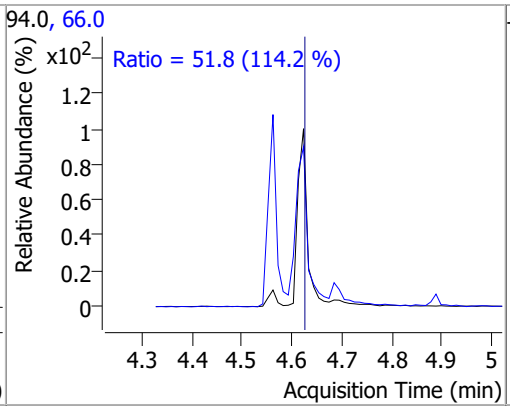


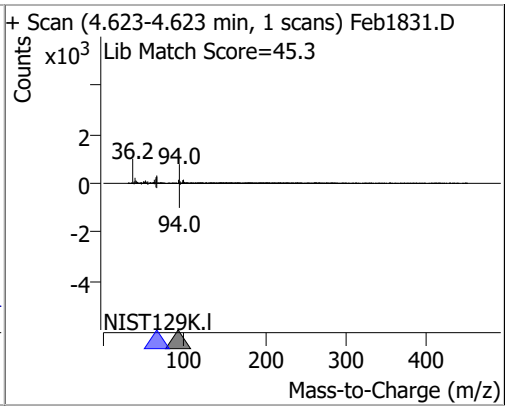




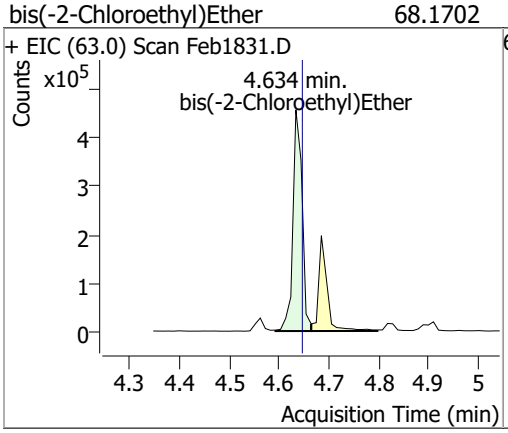
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	39.6263	4.62	0.00	495899	66.0	51.8	31.7	58.9

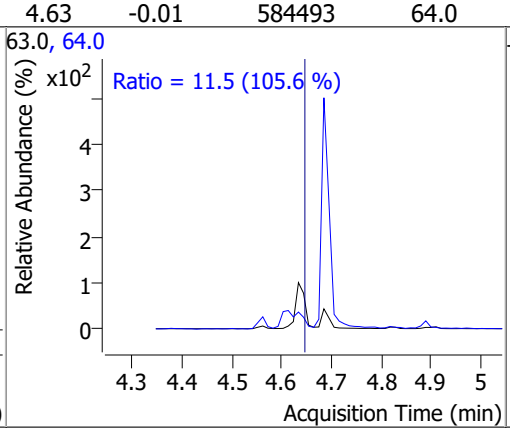


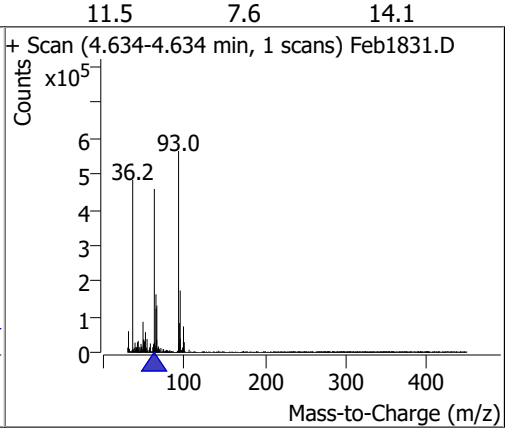




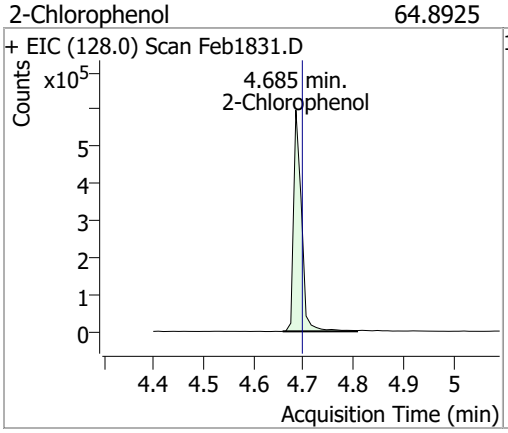
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	68.1702	4.63	-0.01	584493	64.0	11.5	7.6	14.1

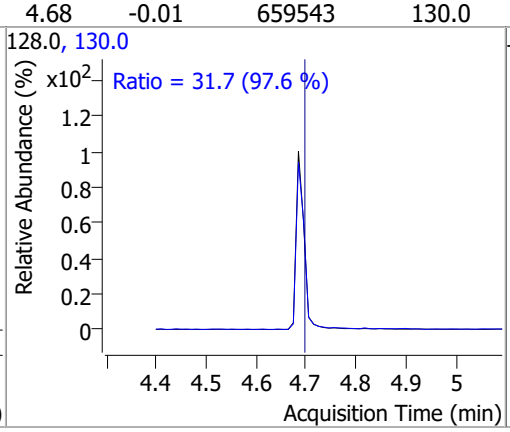


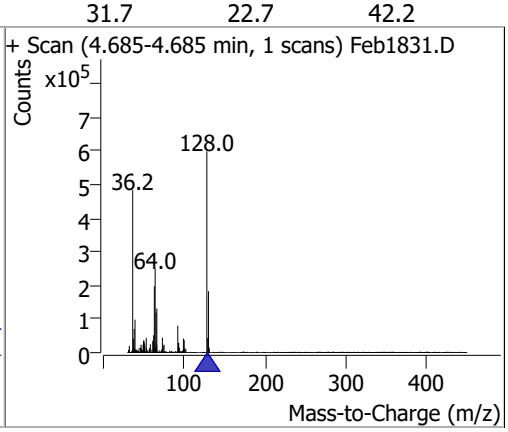




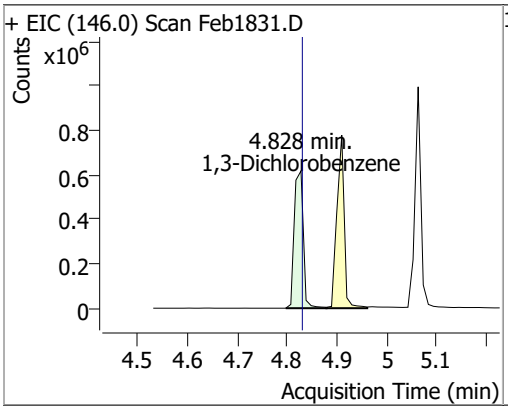
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	64.8925	4.68	-0.01	659543	130.0	31.7	22.7	42.2

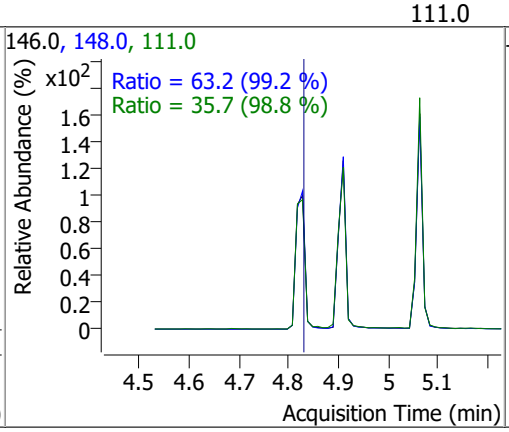


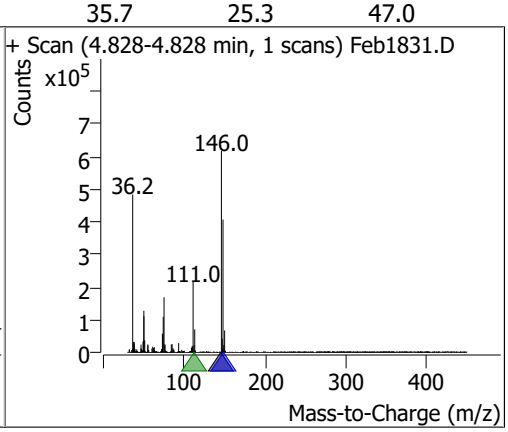




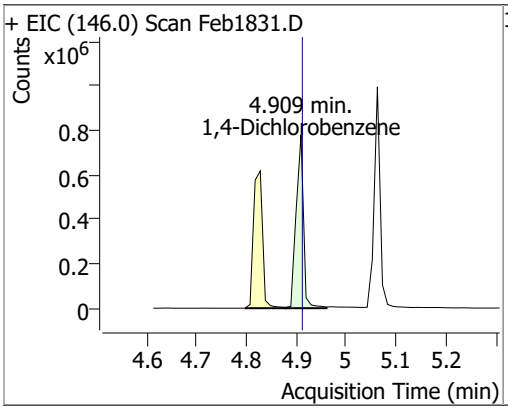
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	59.1248	4.83	0.00	778225	148.0	63.2	44.6	82.8
					111.0	35.7	25.3	47.0

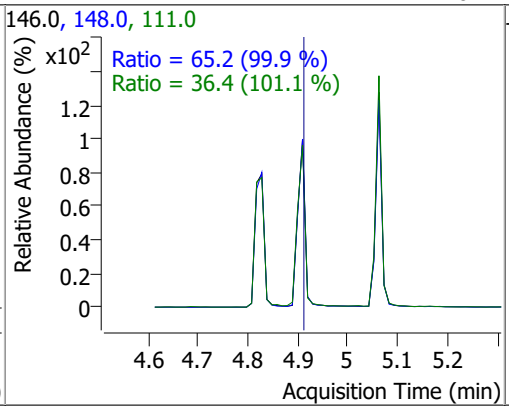


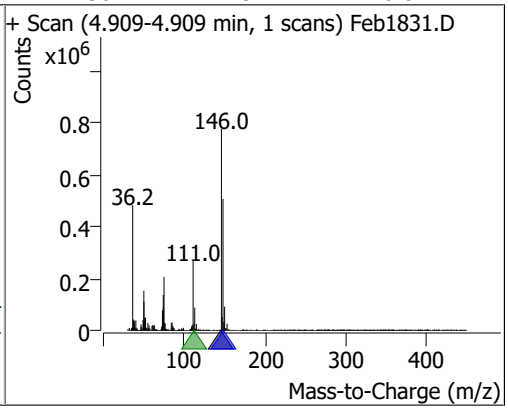




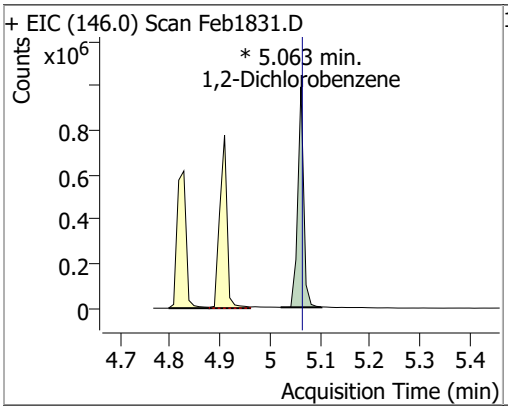
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	59.4746	4.91	0.00	792459	148.0	65.2	45.6	84.8
					111.0	36.4	25.2	46.8

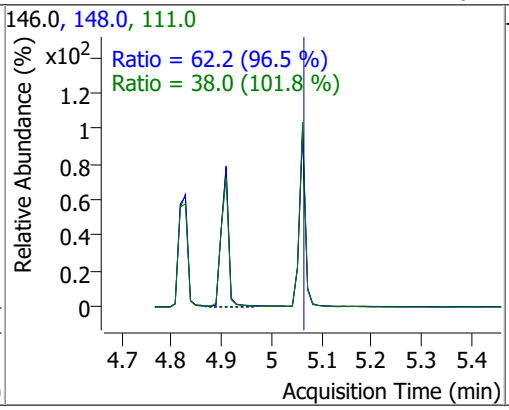


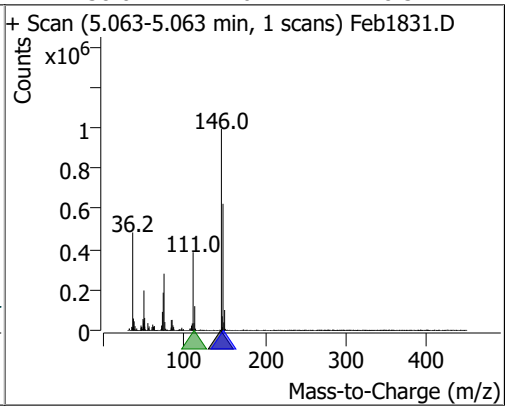




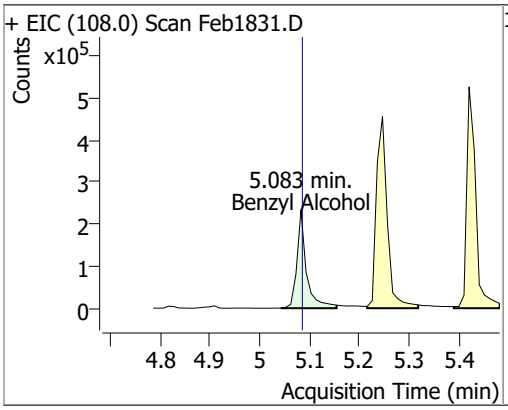
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	63.5307	5.06	0.00	811241 (m)	148.0	62.2	45.1	83.8
					111.0	38.0	26.1	48.5

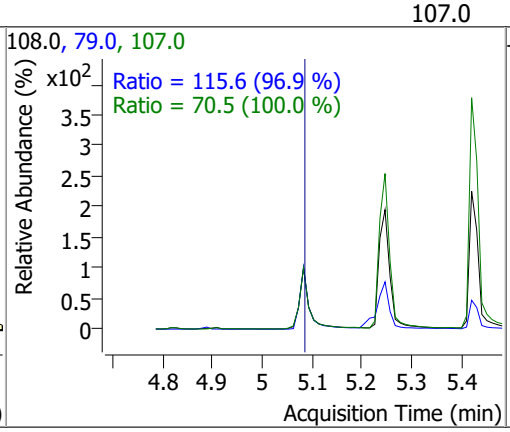


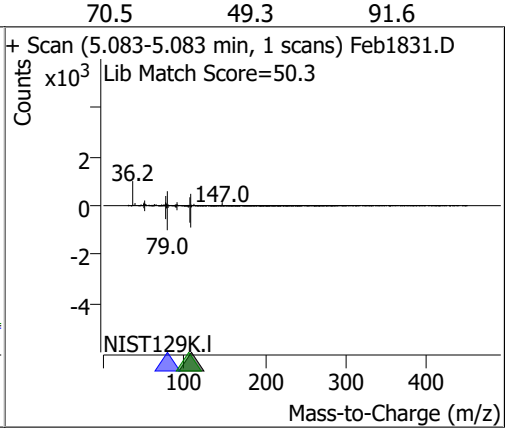




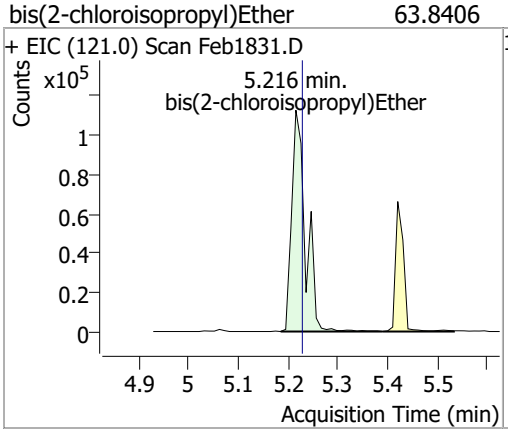
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	62.4539	5.08	0.00	307826	79.0	115.6	83.5	155.1
					107.0	70.5	49.3	91.6

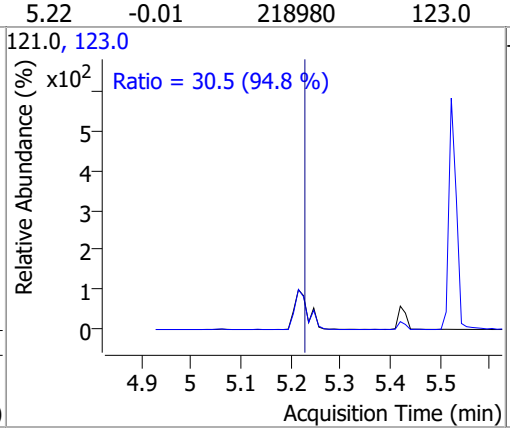


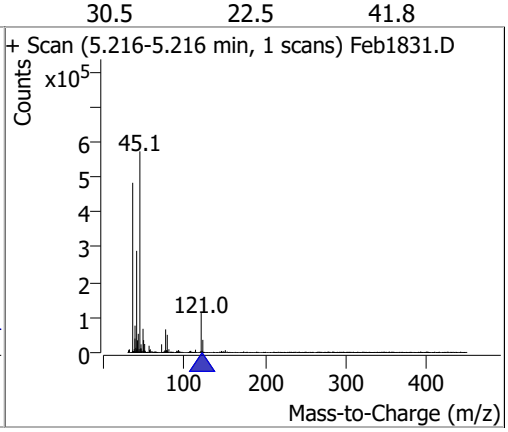




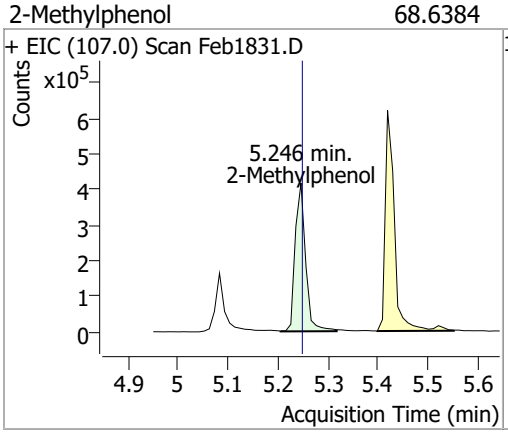
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	63.8406	5.22	-0.01	218980	123.0	30.5	22.5	41.8

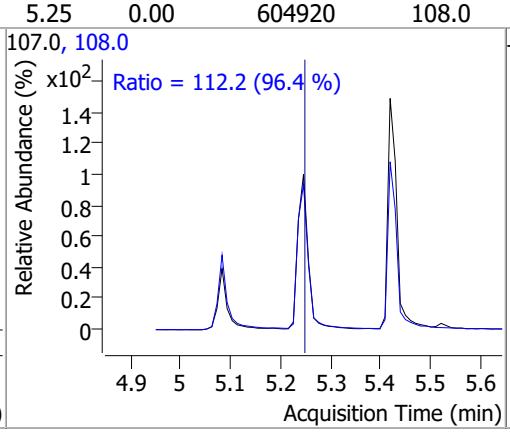


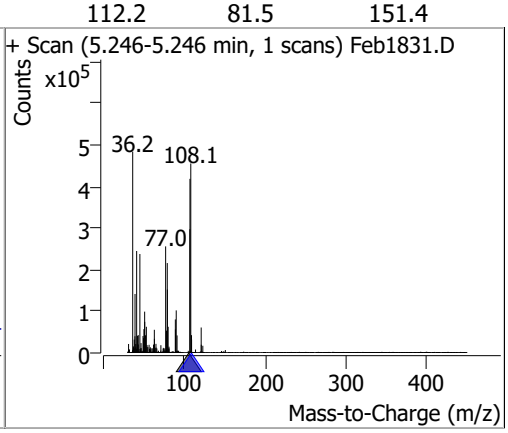




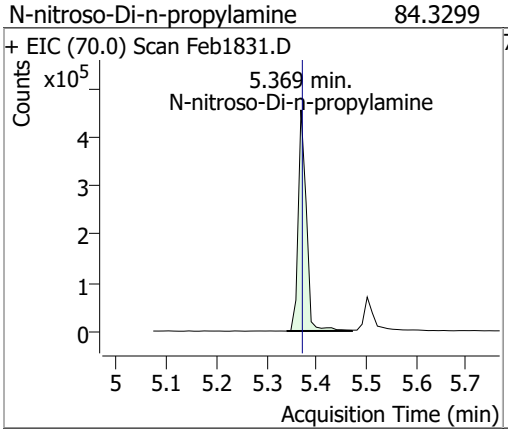
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	68.6384	5.25	0.00	604920	108.0	112.2	81.5	151.4

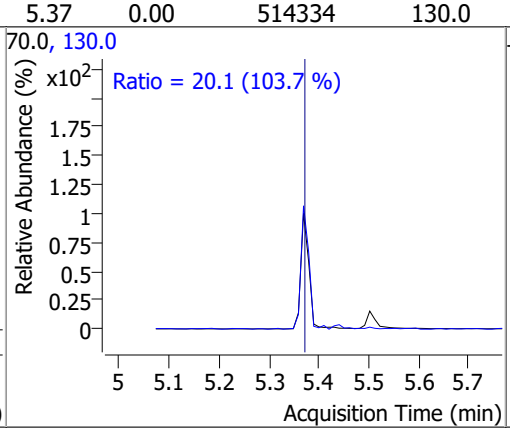


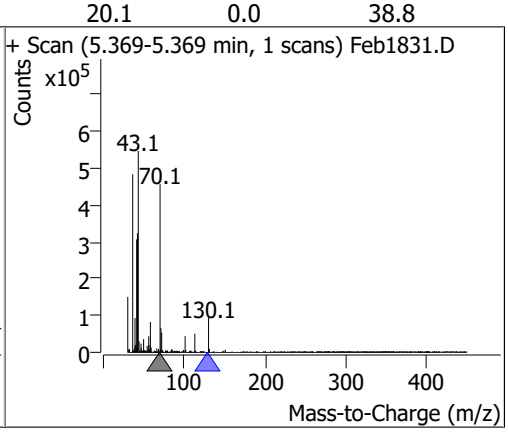




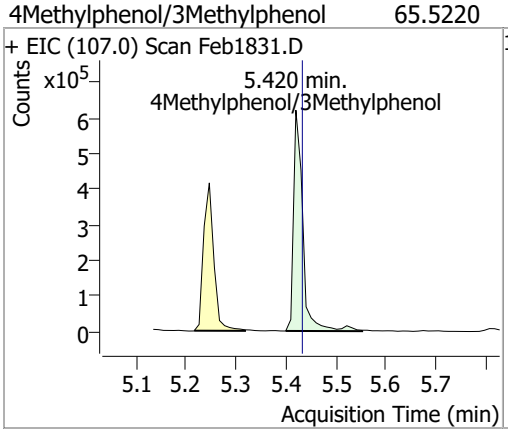
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	84.3299	5.37	0.00	514334	130.0	20.1	0.0	38.8

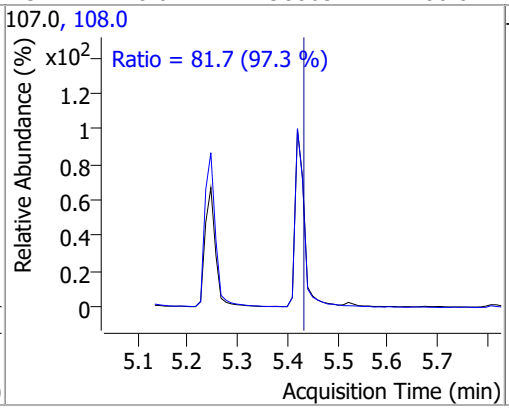


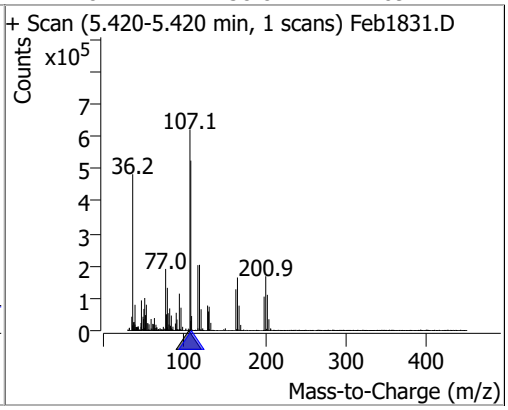




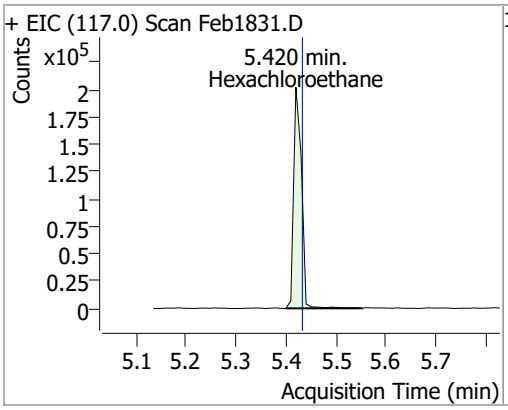
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	65.5220	5.42	-0.01	790063	108.0	81.7	58.8	109.1

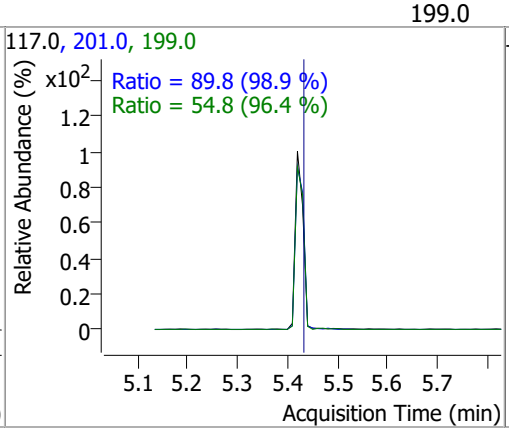


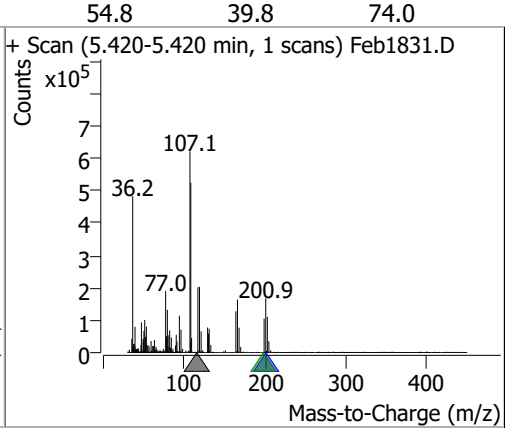




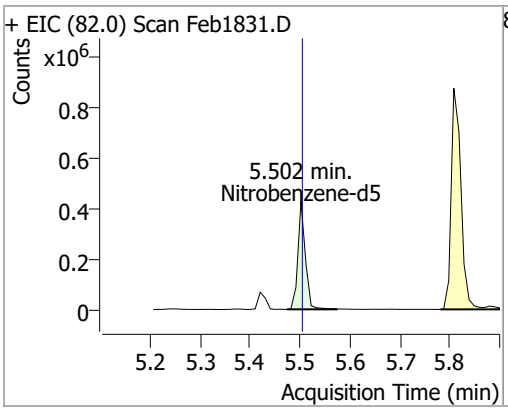
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	57.0944	5.42	-0.01	219630	201.0	89.8	63.5	118.0
					199.0	54.8	39.8	74.0

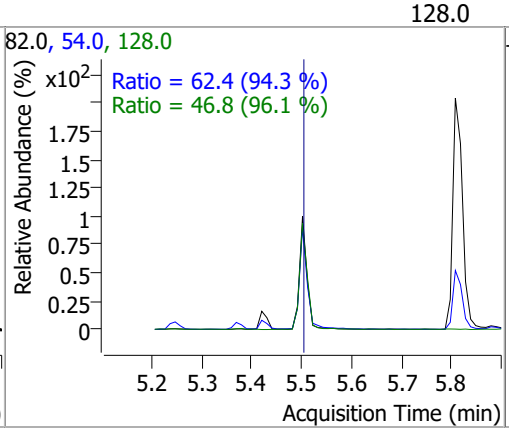


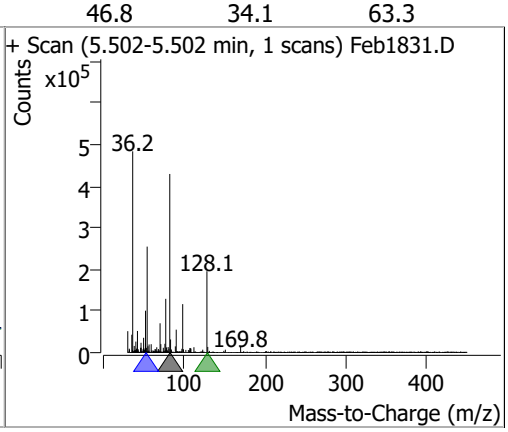




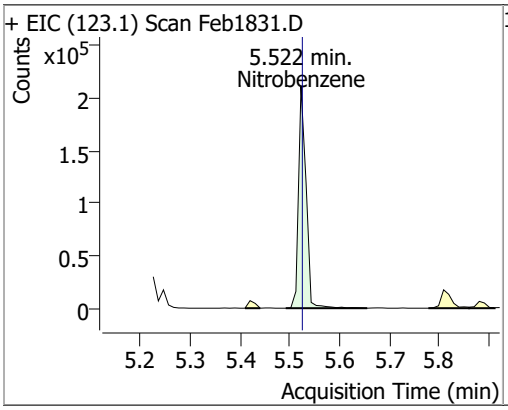
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	70.1329	5.50	0.00	443653	54.0	62.4	46.3	86.0
					128.0	46.8	34.1	63.3

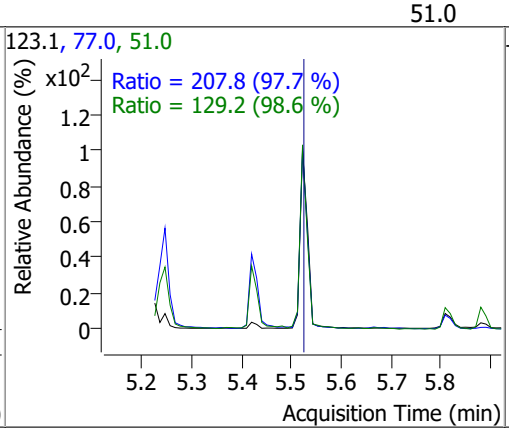


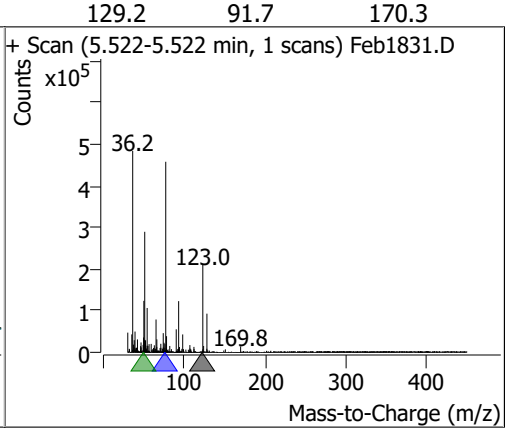




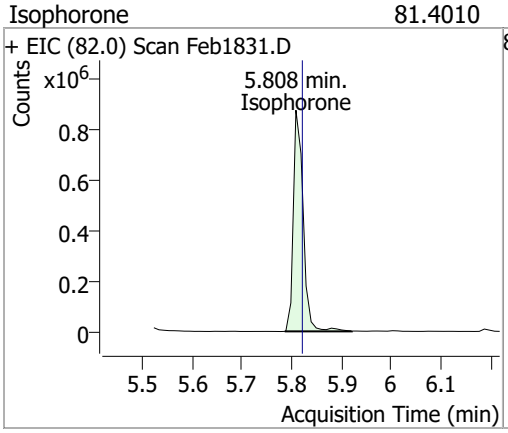
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	68.8597	5.52	0.00	221791	77.0	207.8	148.9	276.5
					51.0	129.2	91.7	170.3

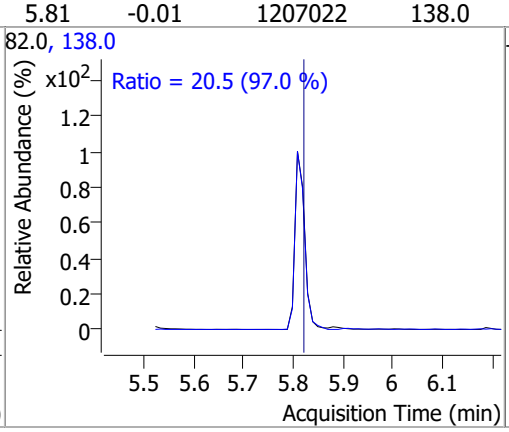


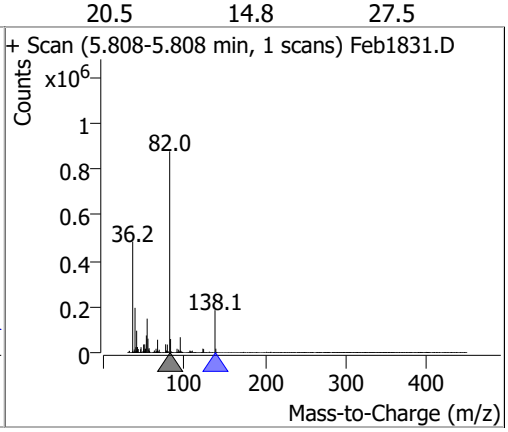




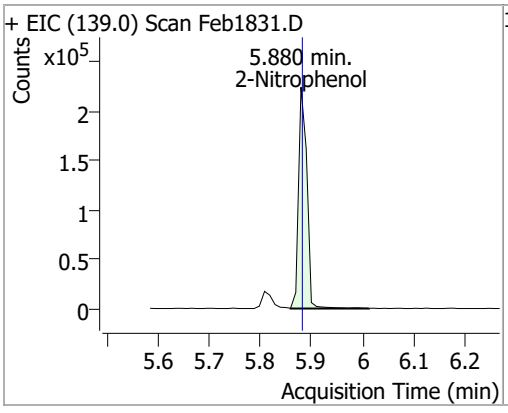
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	81.4010	5.81	-0.01	1207022	138.0	20.5	14.8	27.5

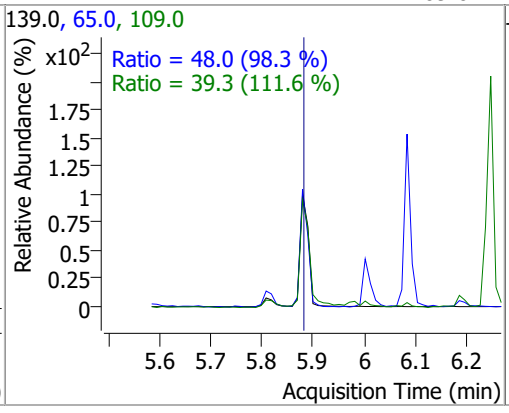


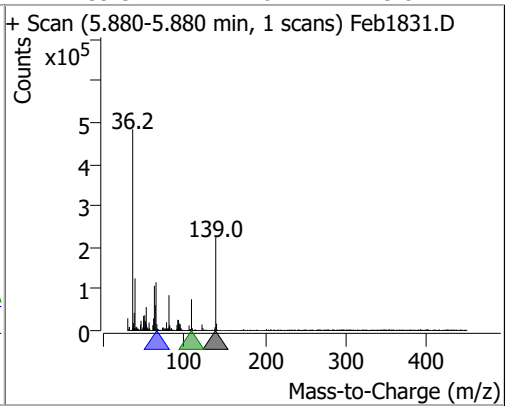




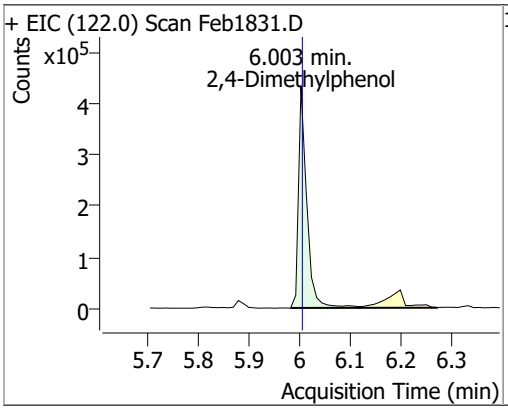
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	77.1918	5.88	0.00	255413	65.0	48.0	34.2	63.4
					109.0	39.3	24.6	45.8

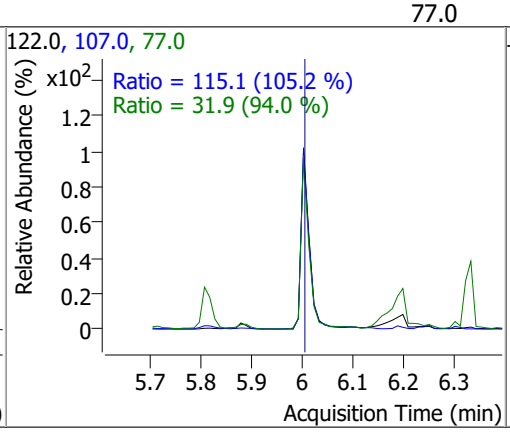


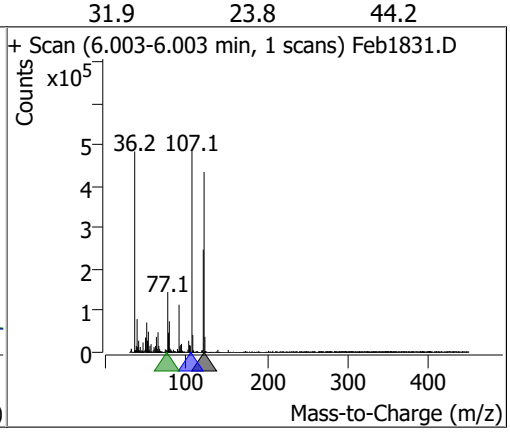




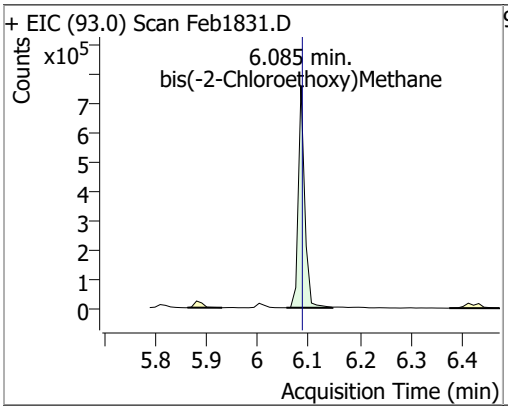
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	70.0442	6.00	0.00	485652	107.0	115.1	76.6	142.3
					77.0	31.9	23.8	44.2

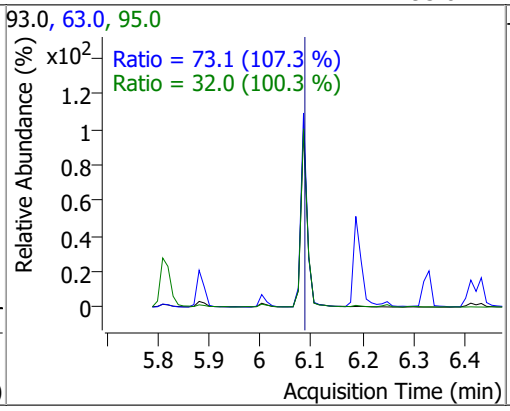


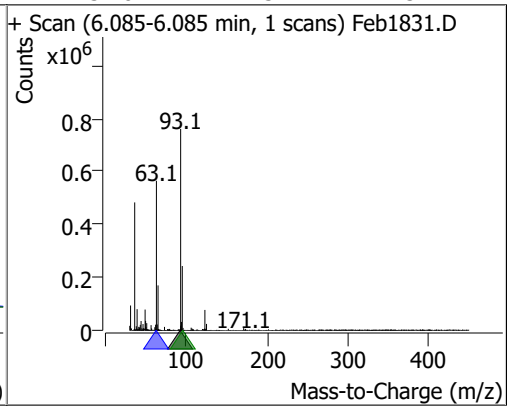




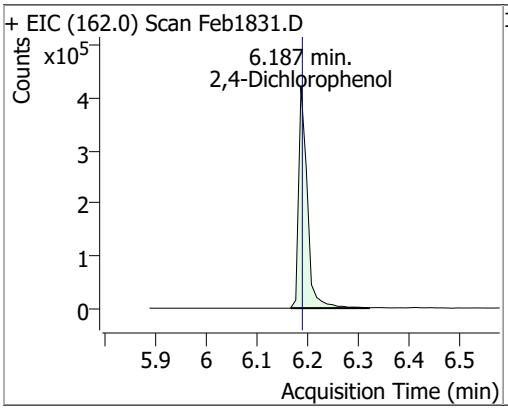
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	76.9991	6.08	0.00	664529	63.0	73.1	47.7	88.6
					95.0	32.0	22.3	41.5

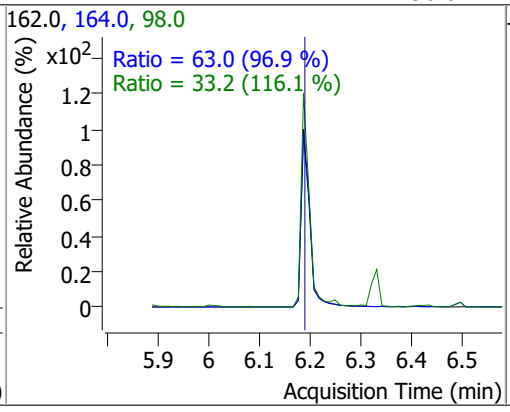


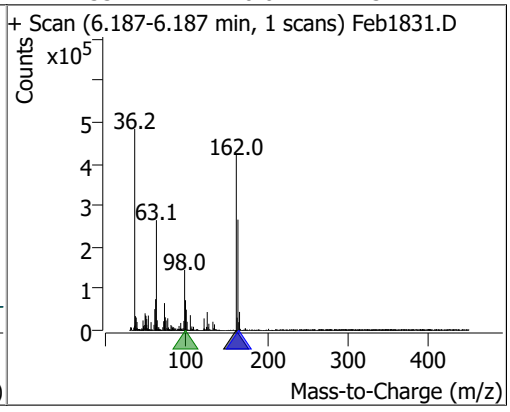




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	75.1768	6.19	0.00	495459	164.0	63.0	45.5	84.5
					98.0	33.2	20.0	37.1

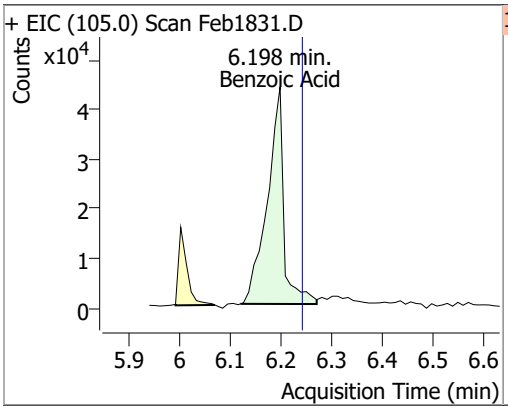


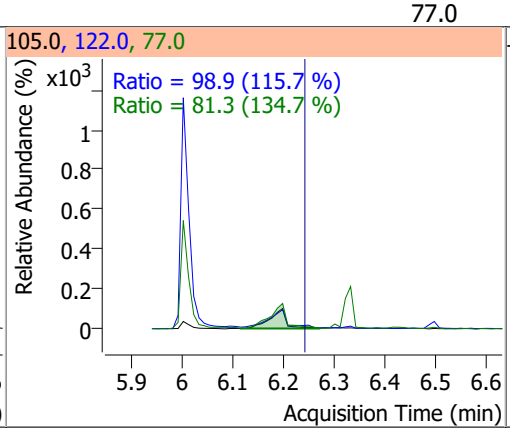


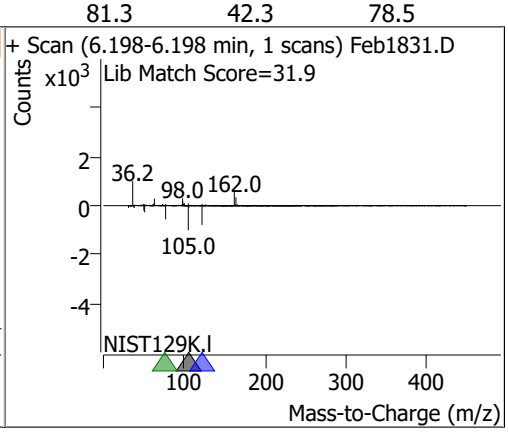


Quantitation Results Report (QT Reviewed)

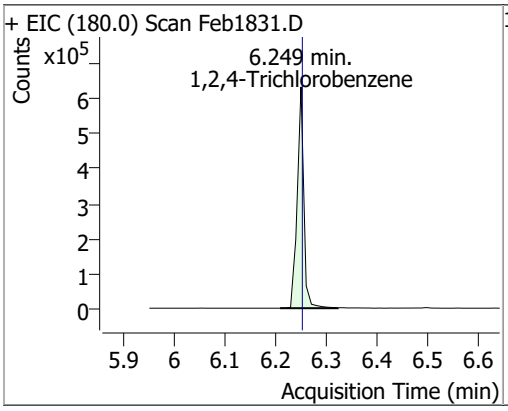
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	32.4640	6.20	-0.04	98422	122.0	98.9	59.9	111.2
					77.0	81.3	42.3	78.5

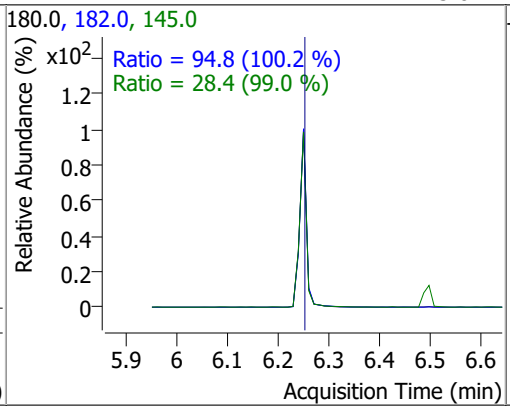


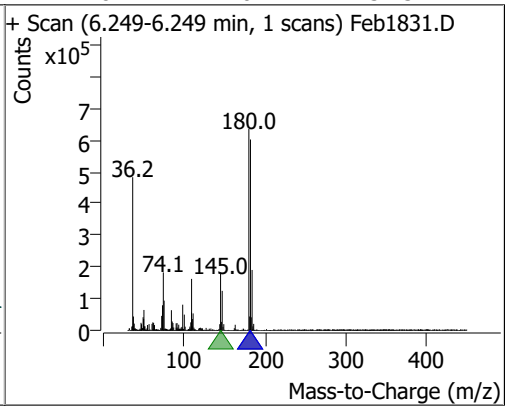




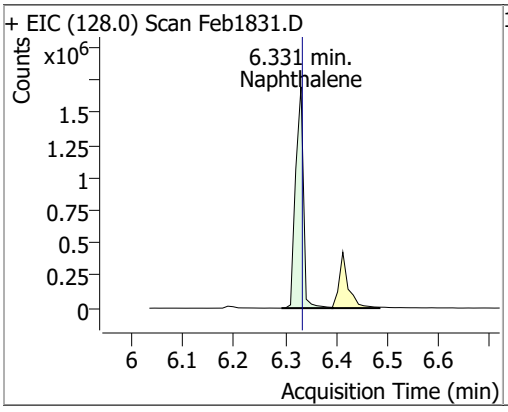
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	72.0935	6.25	0.00	572310	182.0	94.8	66.2	122.9
					145.0	28.4	20.1	37.3

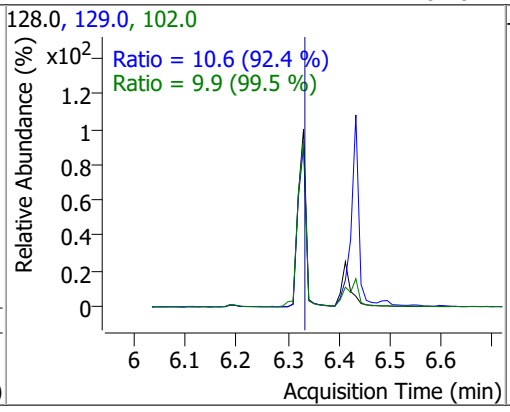


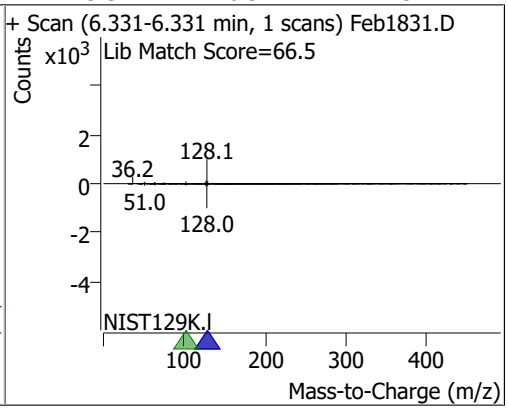




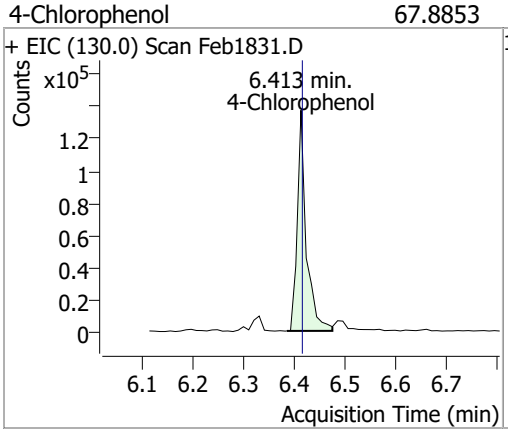
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	76.4488	6.33	0.00	1802251	129.0	10.6	8.0	14.9
					102.0	9.9	6.9	12.9

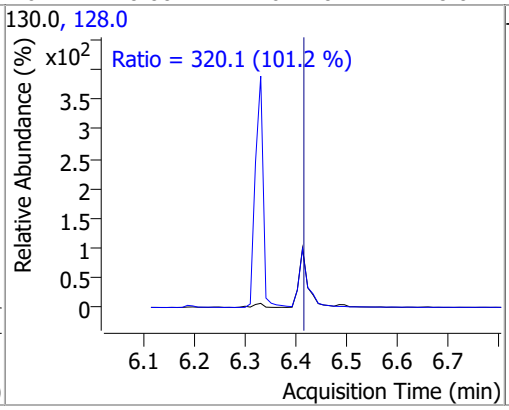


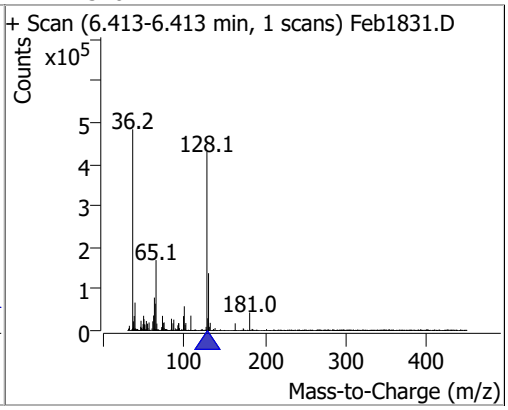




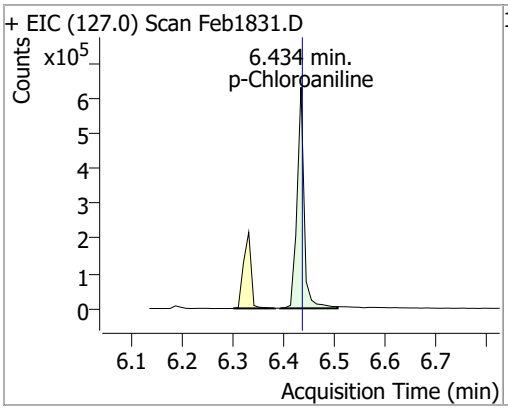
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	67.8853	6.41	0.00	167710	128.0	320.1	221.4	411.2

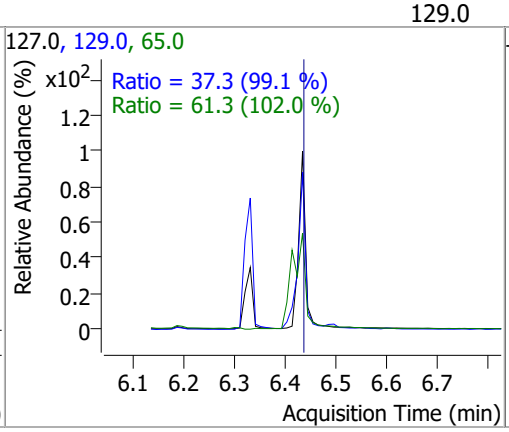


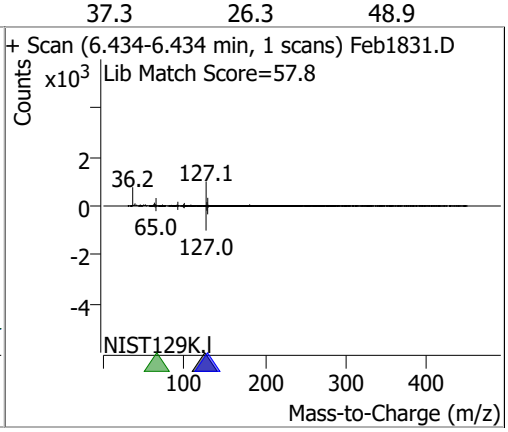




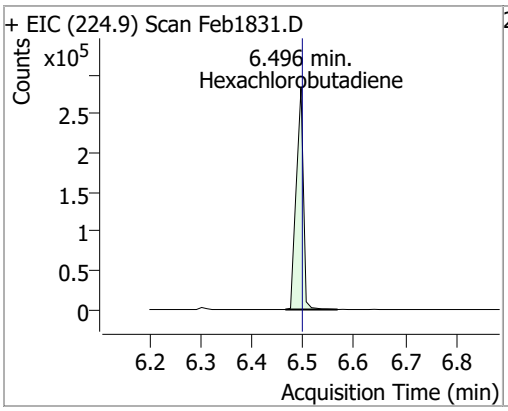
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	65.9299	6.43	0.00	609515	65.0	61.3	42.1	78.2
					129.0	37.3	26.3	48.9

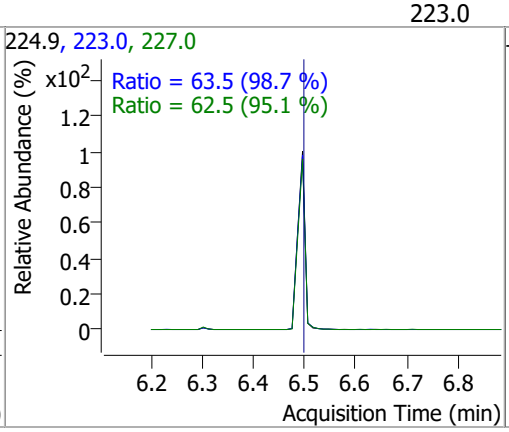


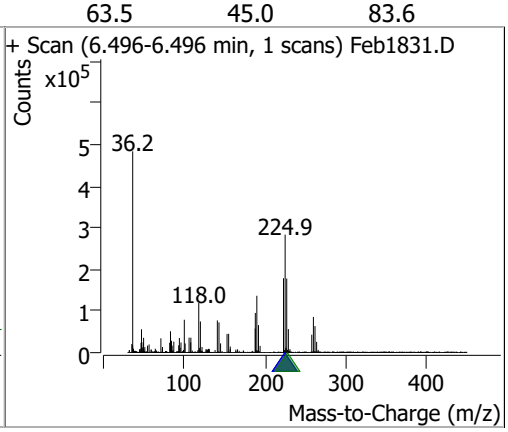




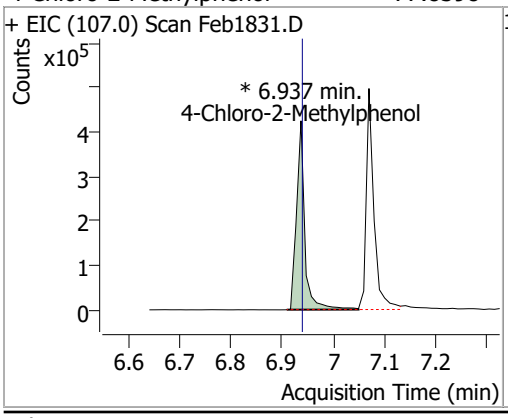
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	67.2817	6.50	0.00	275506	227.0	62.5	46.0	85.4
					223.0	63.5	45.0	83.6

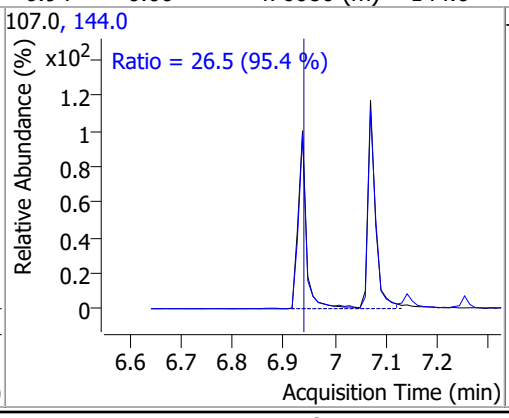


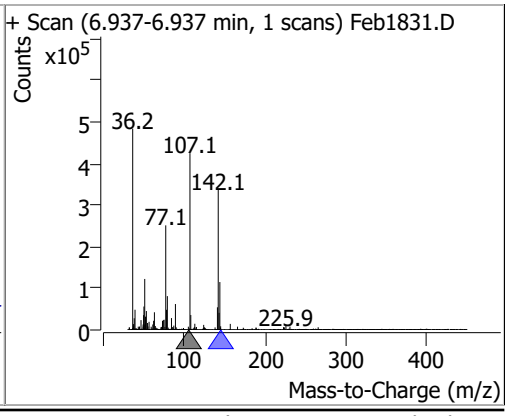




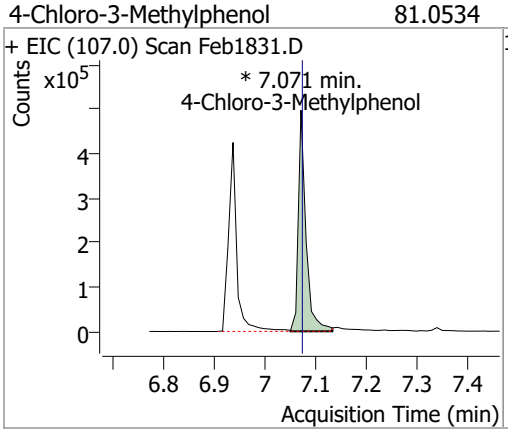
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	77.8398	6.94	0.00	476086 (m)	144.0	26.5	19.4	36.1

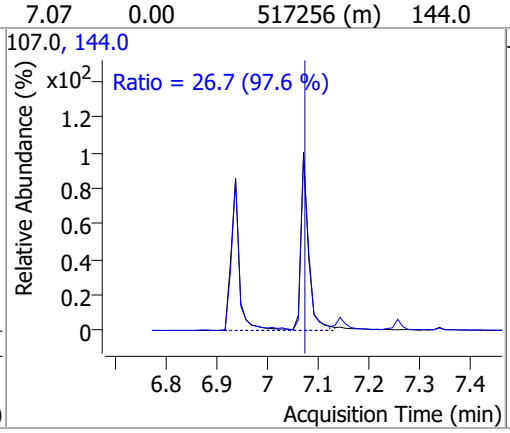


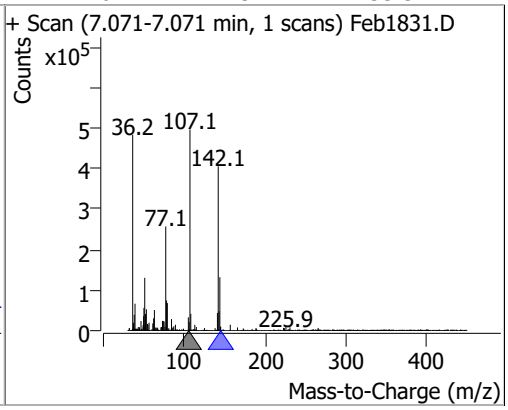




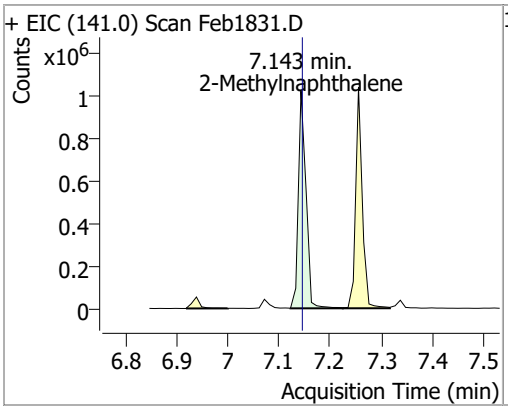
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	81.0534	7.07	0.00	517256 (m)	144.0	26.7	19.1	35.5

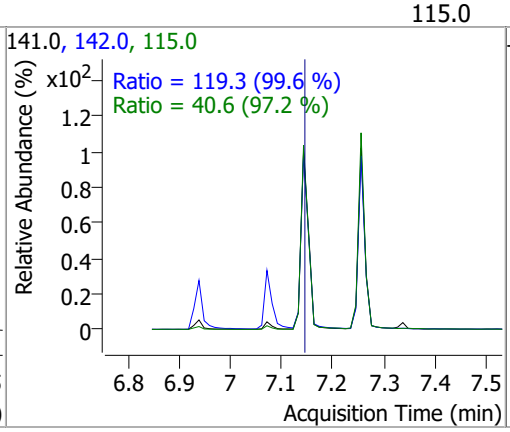


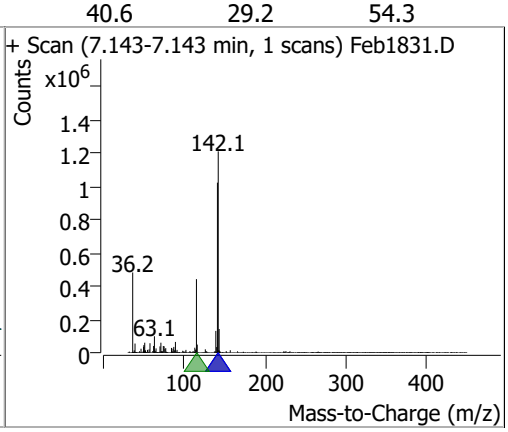




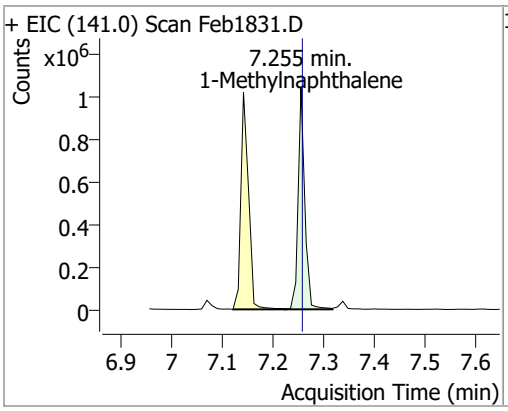
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	79.9060	7.14	0.00	1064963	142.0	119.3	83.8	155.7
					115.0	40.6	29.2	54.3

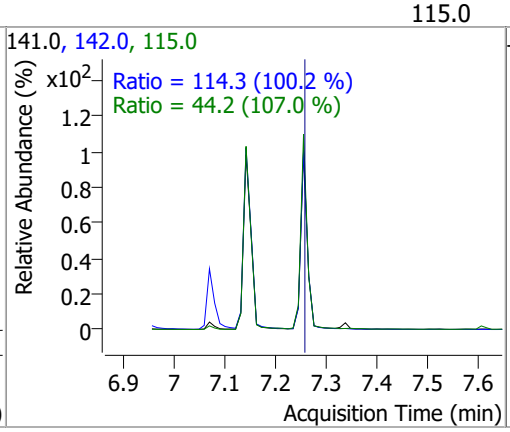


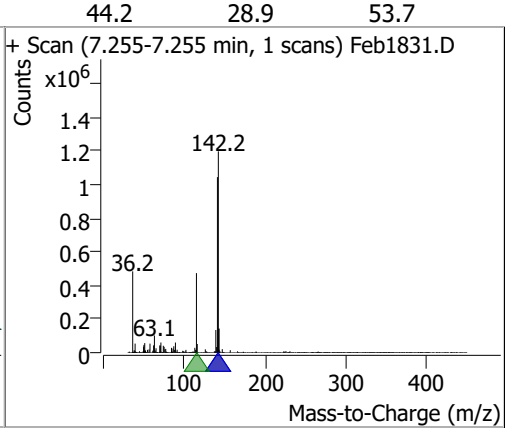




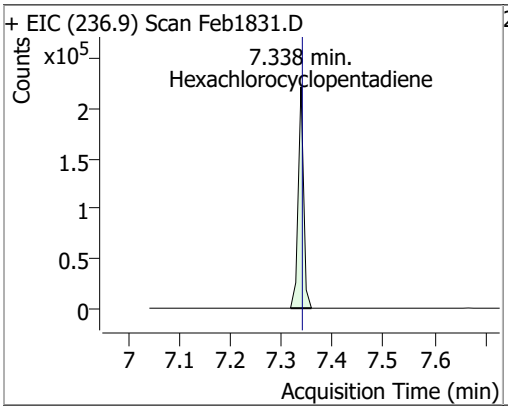
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	72.7346	7.26	0.00	944734	142.0	114.3	79.8	148.2
					115.0	44.2	28.9	53.7

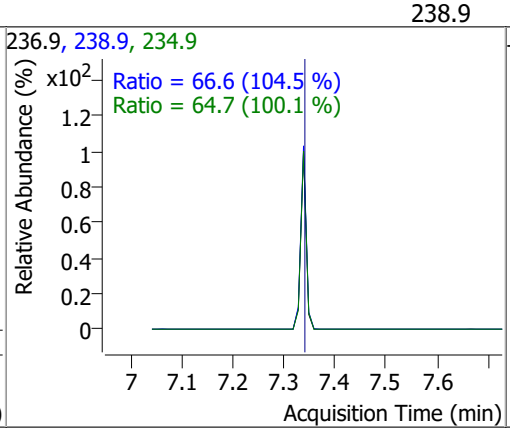


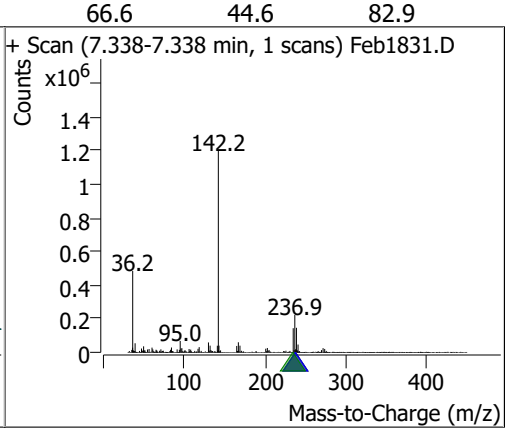




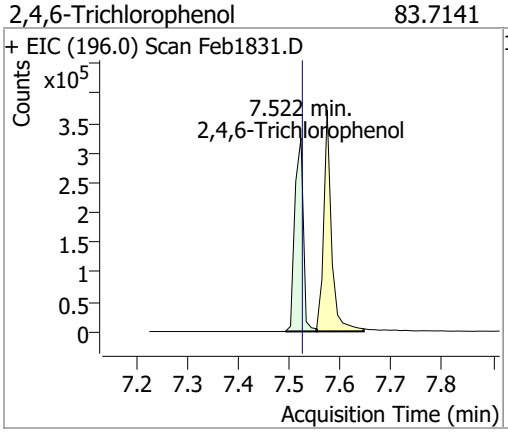
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	65.1477	7.34	0.00	163861	234.9	64.7	45.2	84.0
					238.9	66.6	44.6	82.9

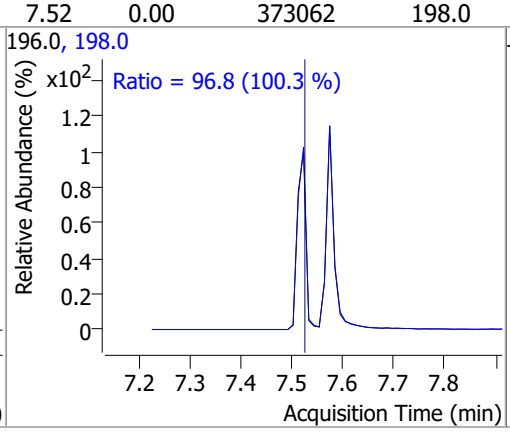


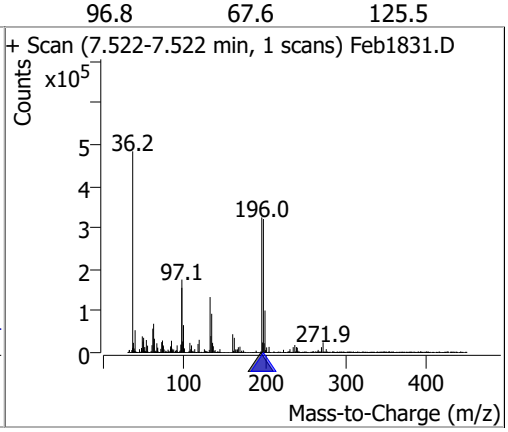




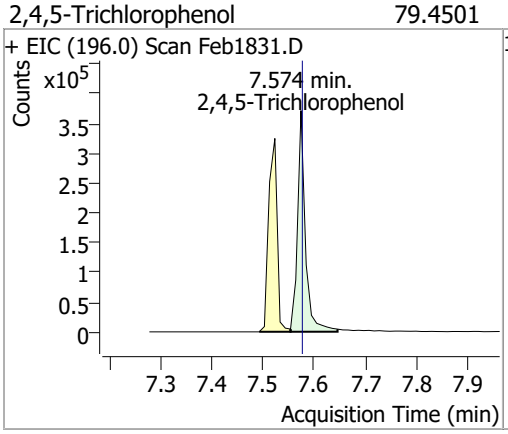
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	83.7141	7.52	0.00	373062	198.0	96.8	67.6	125.5

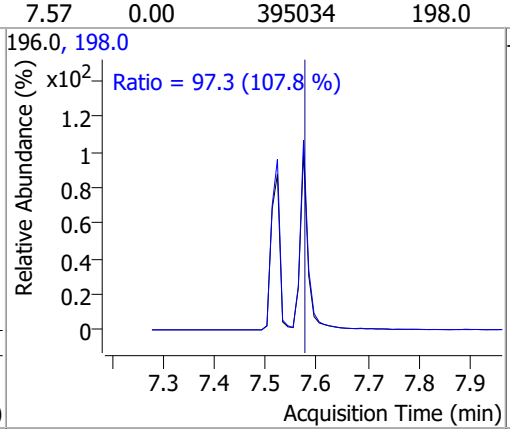


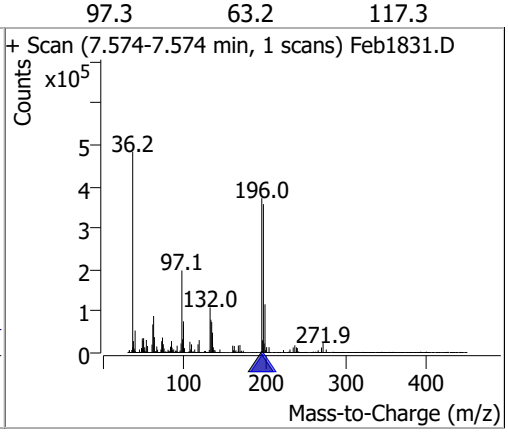




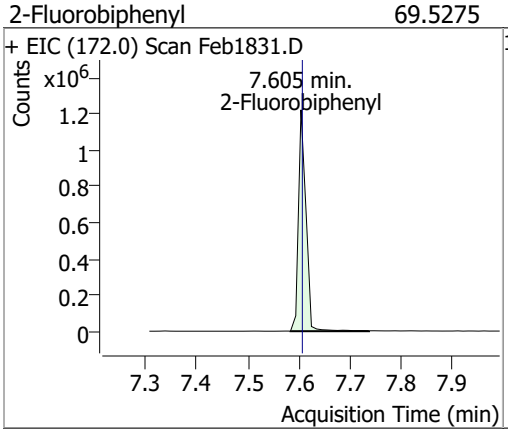
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	79.4501	7.57	0.00	395034	198.0	97.3	63.2	117.3

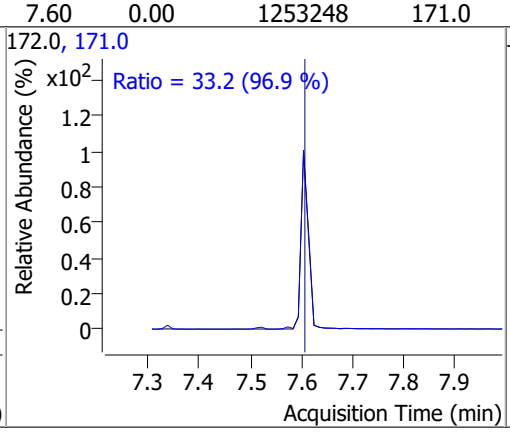


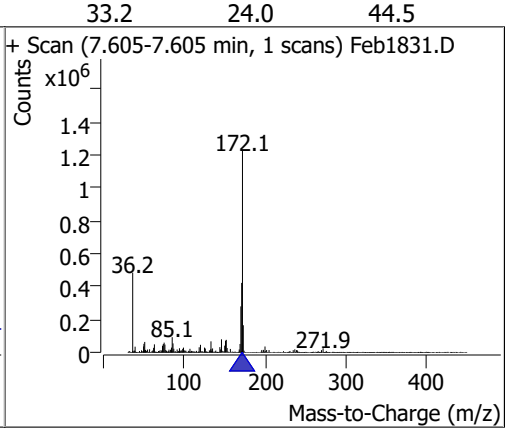




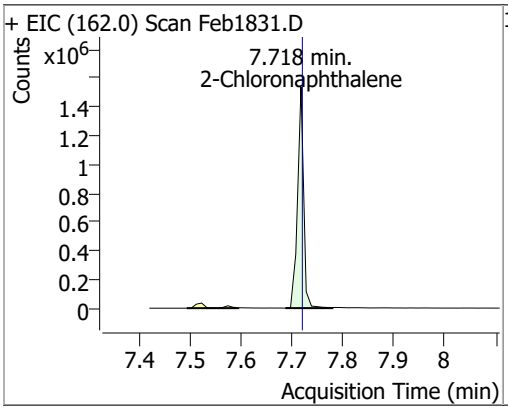
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	69.5275	7.60	0.00	1253248	171.0	33.2	24.0	44.5

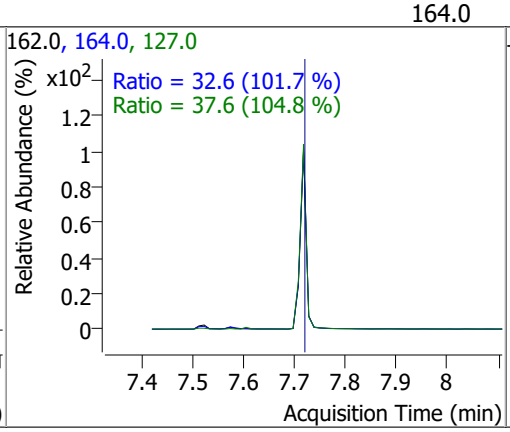


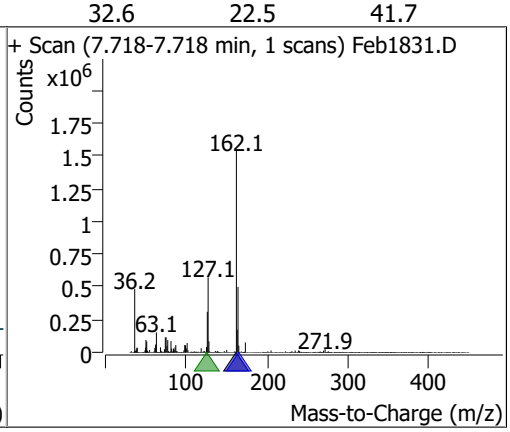




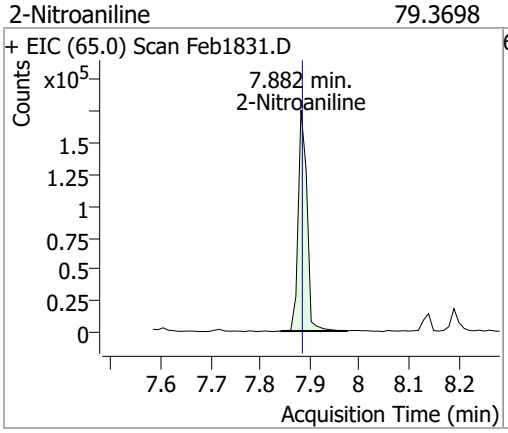
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	84.1843	7.72	0.00	1274660	127.0	37.6	25.1	46.7
					164.0	32.6	22.5	41.7

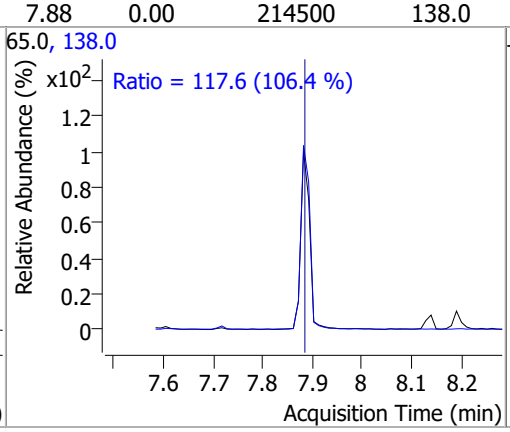


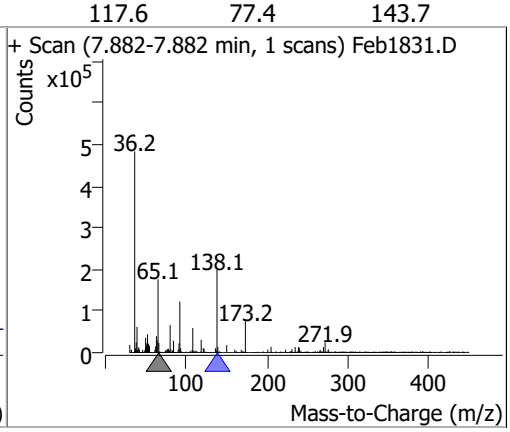




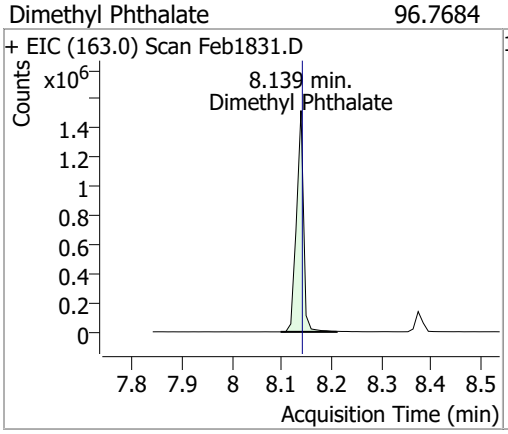
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	79.3698	7.88	0.00	214500	138.0	117.6	77.4	143.7

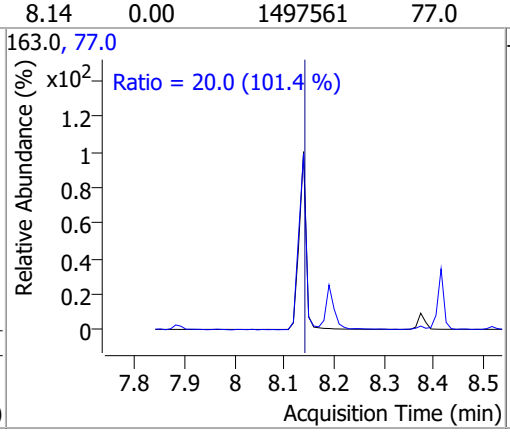


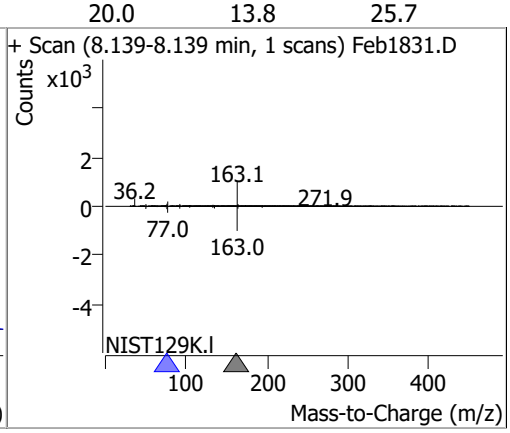




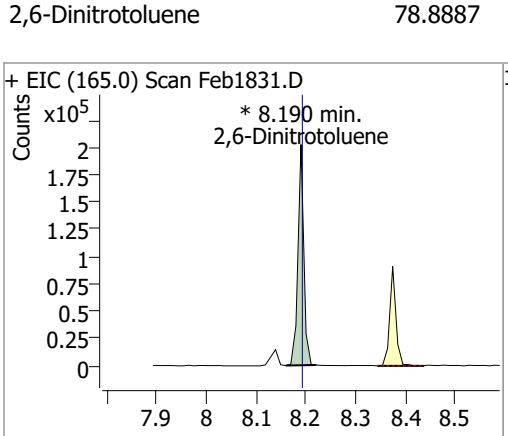
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	96.7684	8.14	0.00	1497561	77.0	20.0	13.8	25.7

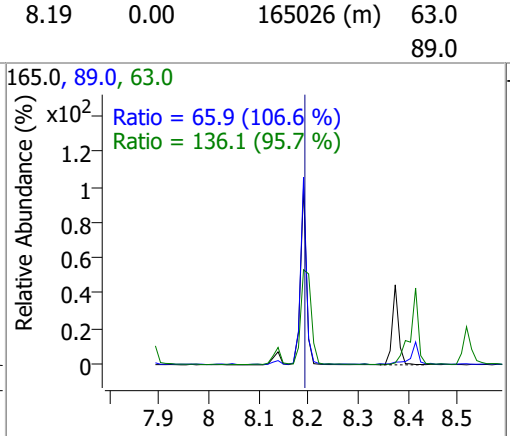


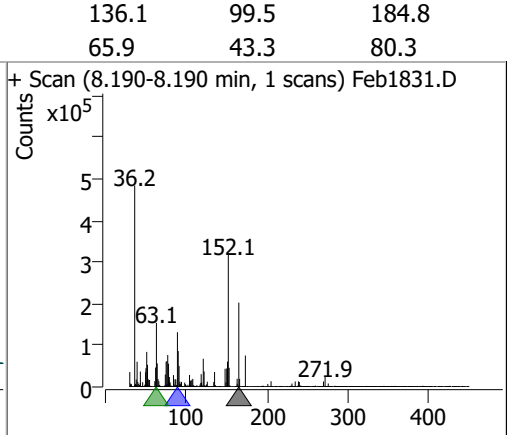




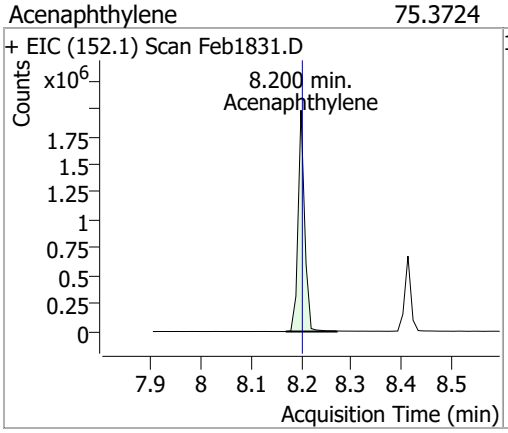
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	78.8887	8.19	0.00	165026 (m)	63.0	136.1	99.5	184.8
					89.0	65.9	43.3	80.3

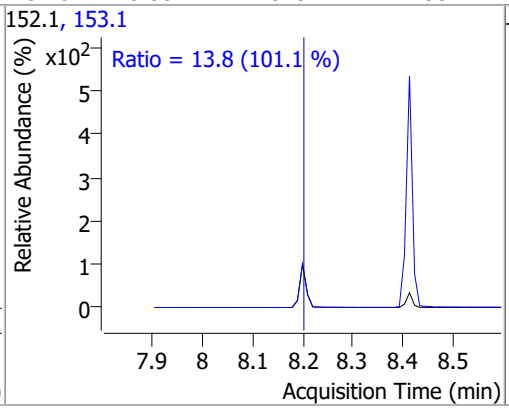


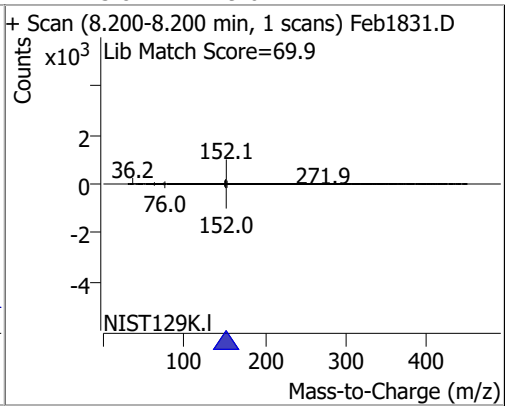




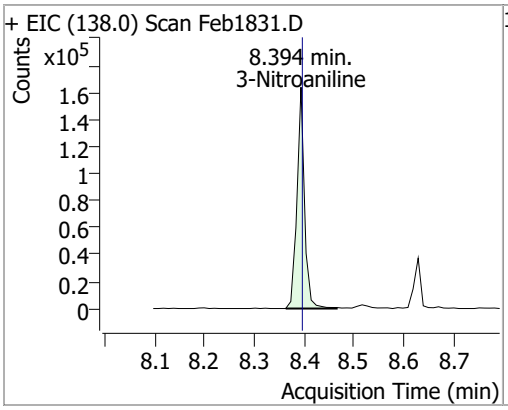
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	75.3724	8.20	0.00	1825247	153.1	13.8	9.6	17.7

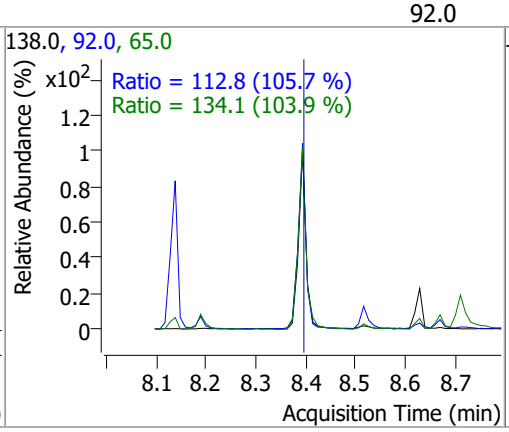


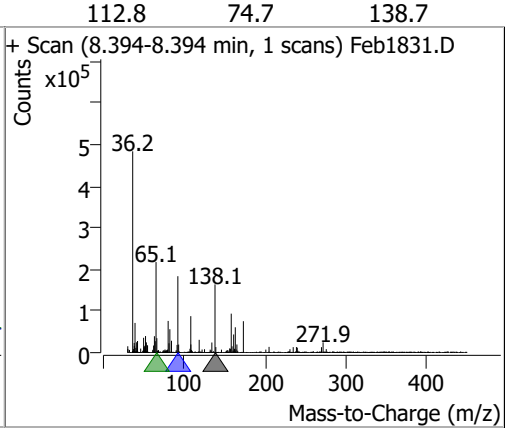




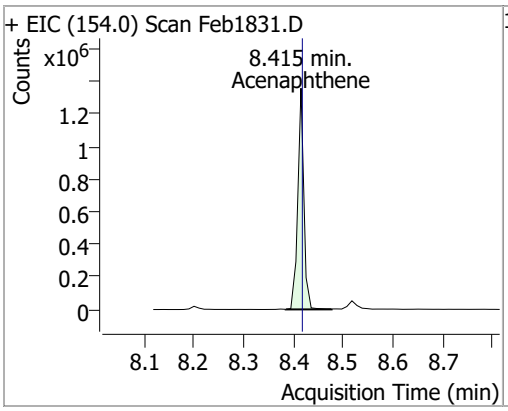
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	73.3441	8.39	0.00	173115	65.0	134.1	90.4	167.8
					92.0	112.8	74.7	138.7

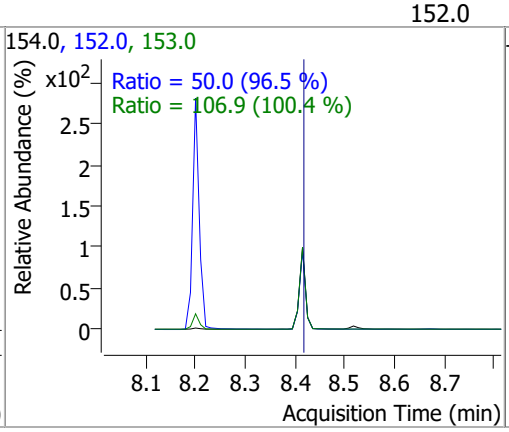


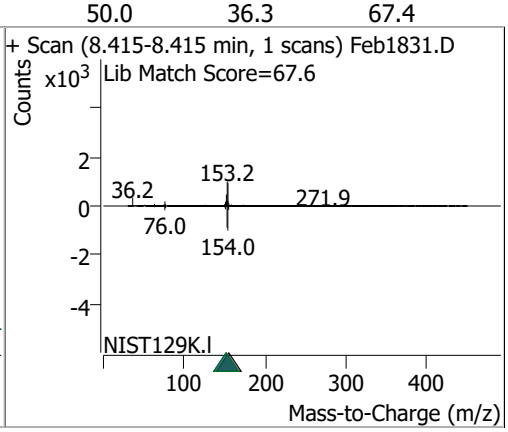




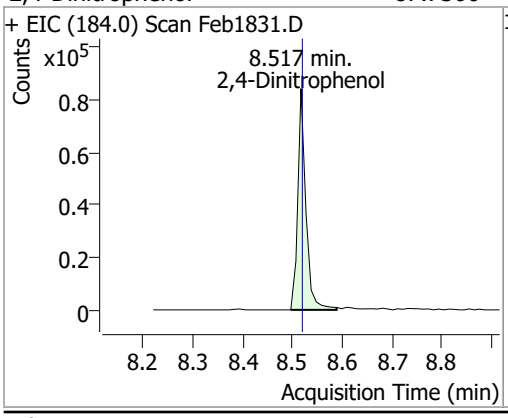
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	83.1184	8.41	0.00	1151810	153.0	106.9	74.5	138.4
					152.0	50.0	36.3	67.4

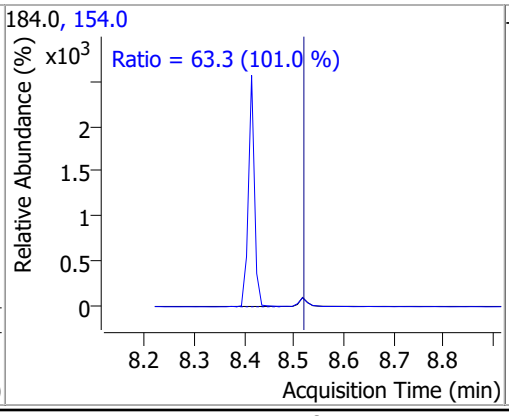


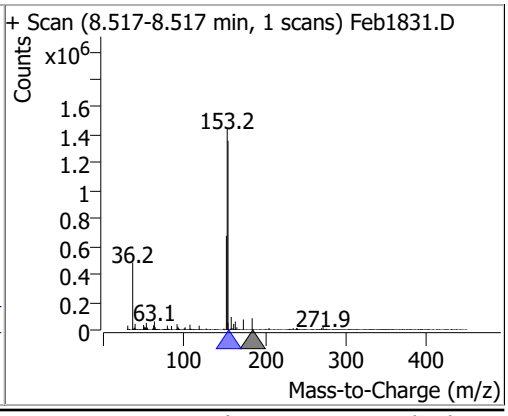




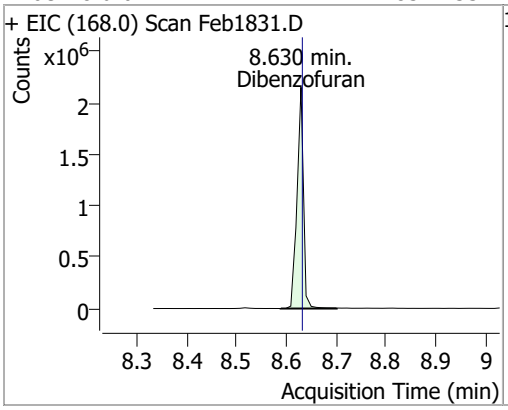
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	87.7366	8.52	0.00	94969	154.0	63.3	43.9	81.5

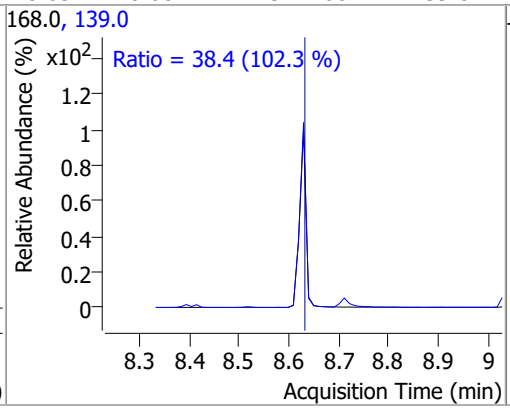


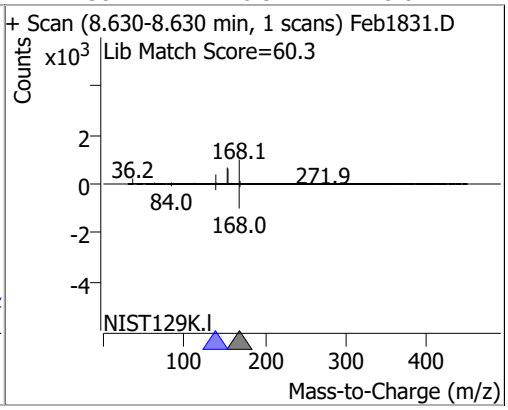




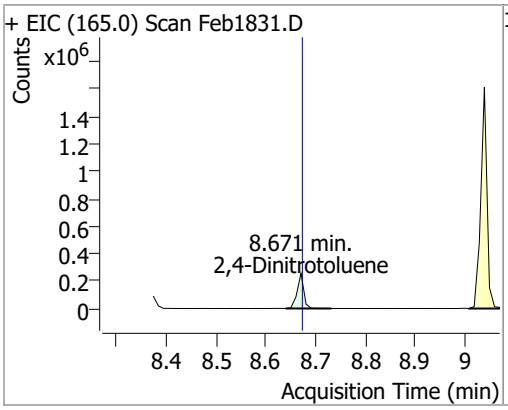
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	85.2153	8.63	0.00	1927766	139.0	38.4	26.3	48.8

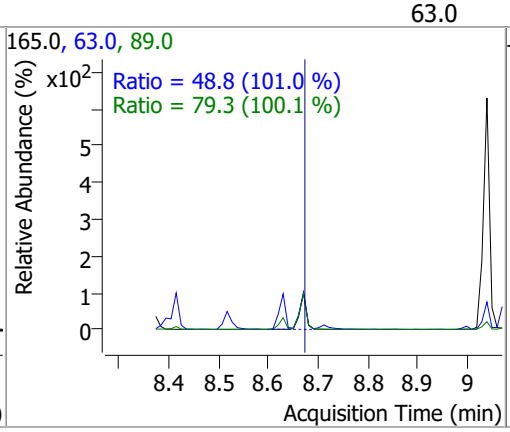


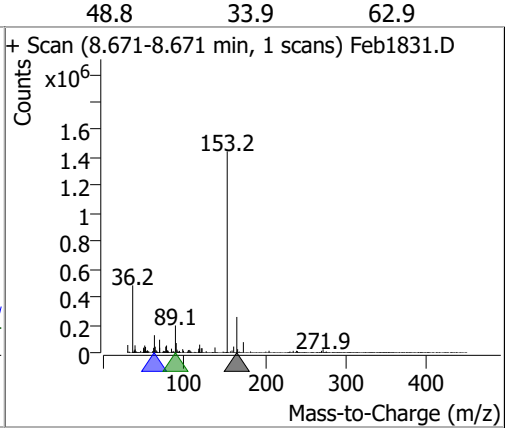




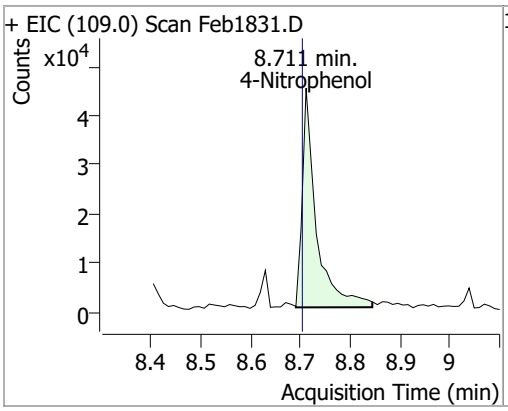
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	88.2941	8.67	0.00	234285	89.0	79.3	55.4	102.9
					63.0	48.8	33.9	62.9

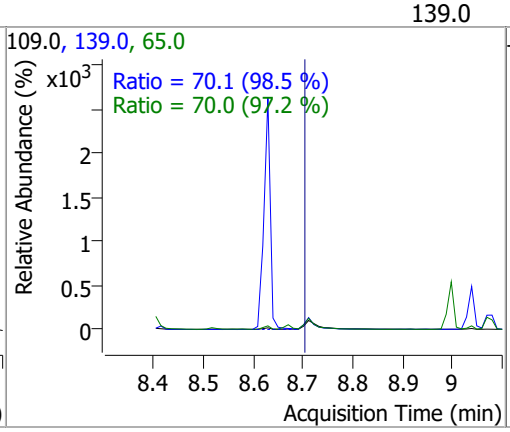


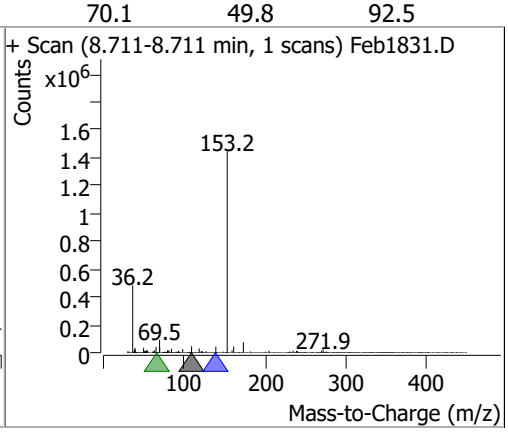




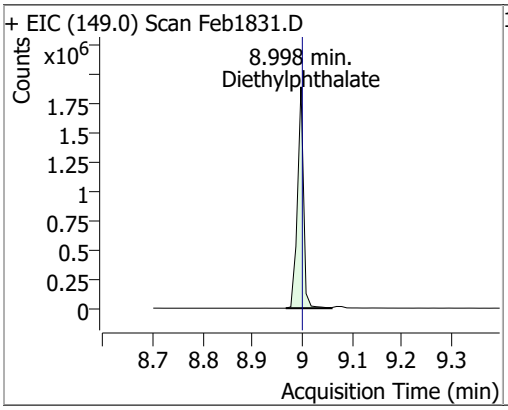
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	36.8352	8.71	0.01	87793	65.0	70.0	50.4	93.6
					139.0	70.1	49.8	92.5

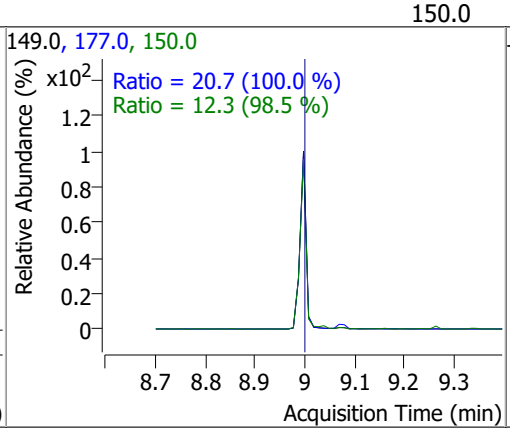


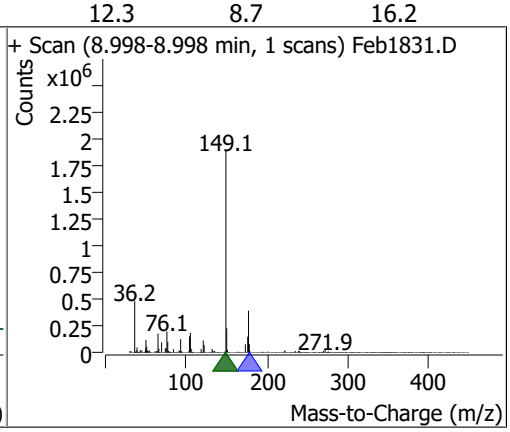




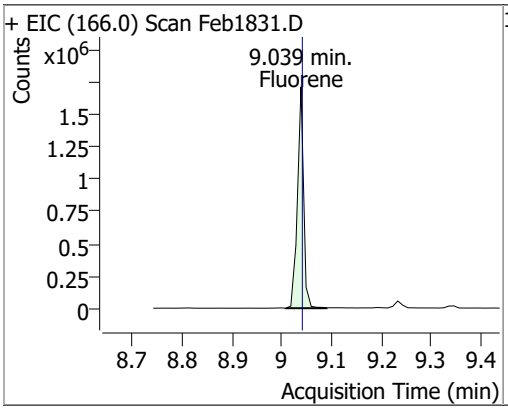
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	98.8804	9.00	0.00	1594768	177.0	20.7	14.5	27.0
					150.0	12.3	8.7	16.2

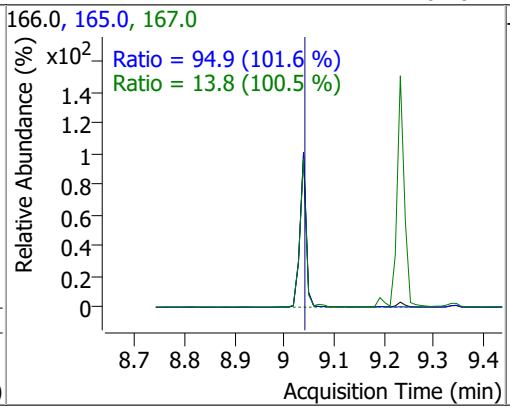


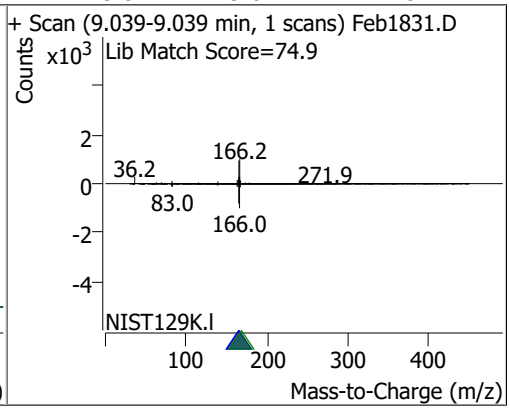




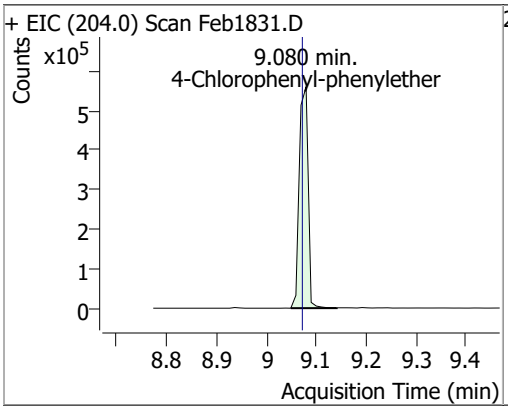
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	81.4566	9.04	0.00	1483869	165.0	94.9	65.4	121.4
					167.0	13.8	9.6	17.8

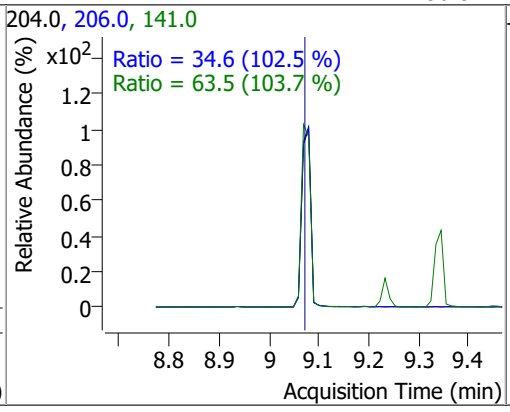


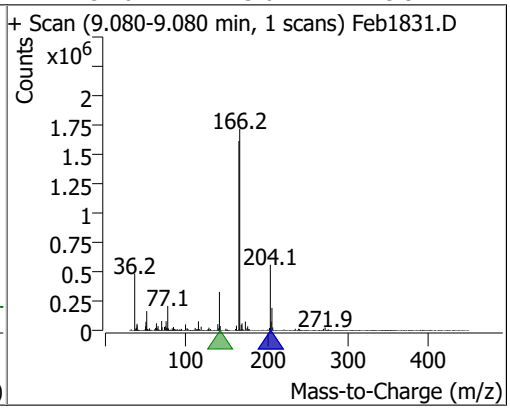




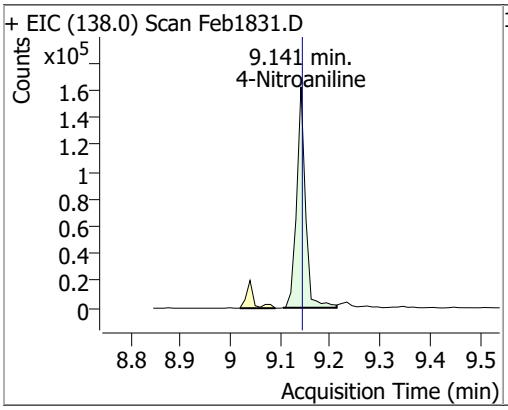
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	83.2125	9.08	0.01	684506	141.0	63.5	42.8	79.6
					206.0	34.6	23.6	43.9

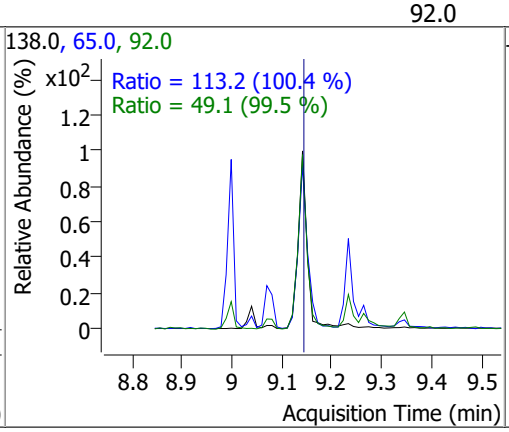


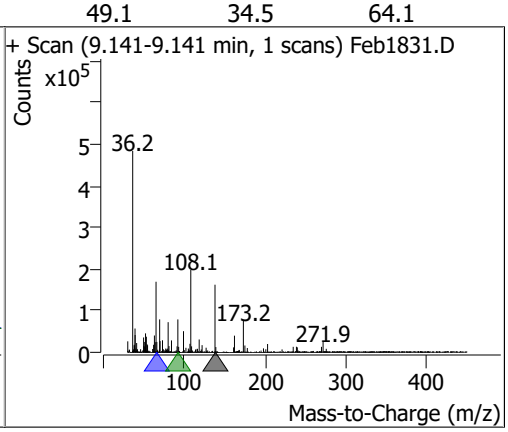




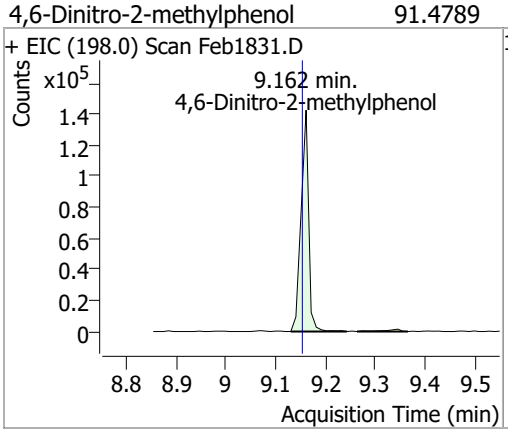
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	75.6663	9.14	0.00	198500	65.0	113.2	78.9	146.6
					92.0	49.1	34.5	64.1

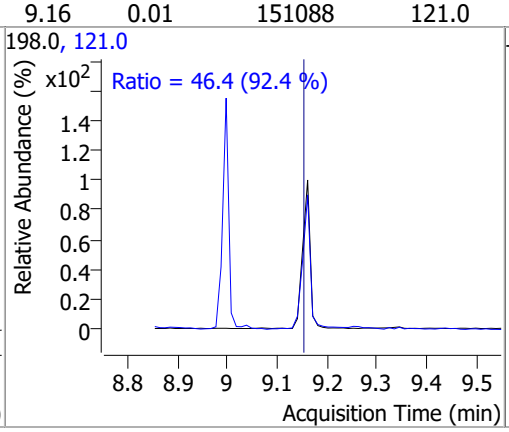


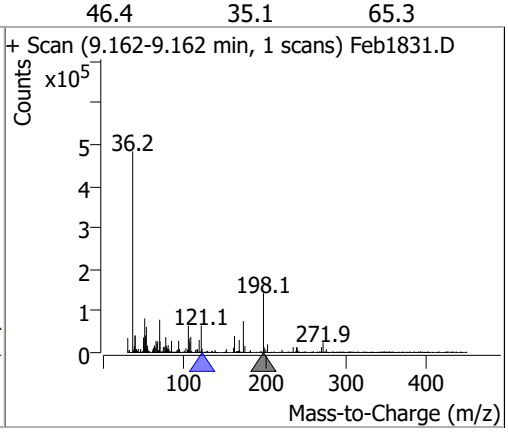




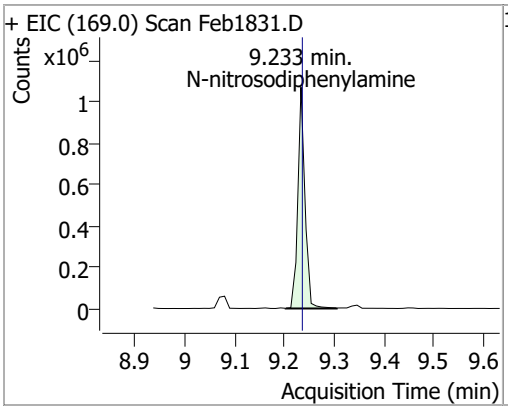
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	91.4789	9.16	0.01	151088	121.0	46.4	35.1	65.3

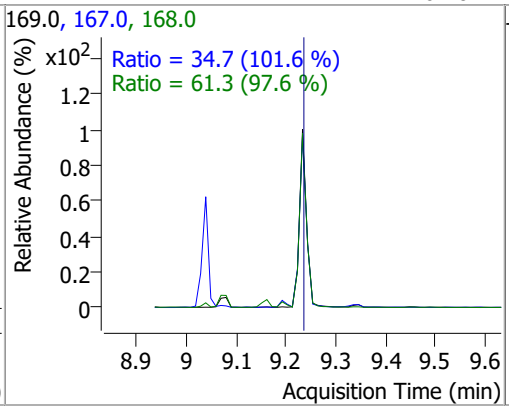


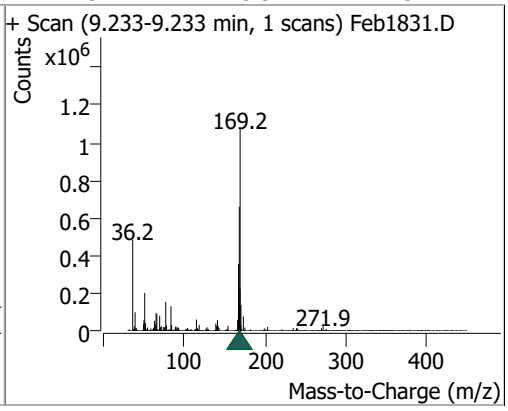




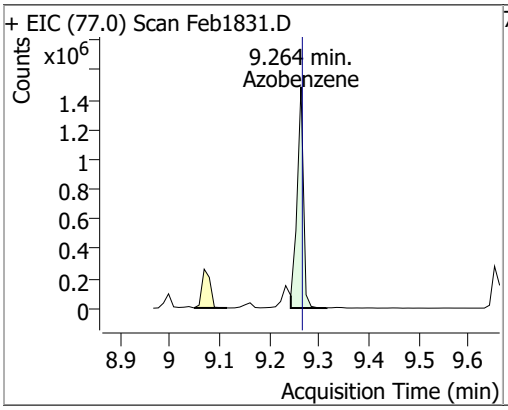
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	85.7001	9.23	0.00	1064138	168.0	61.3	44.0	81.7
					167.0	34.7	23.9	44.3

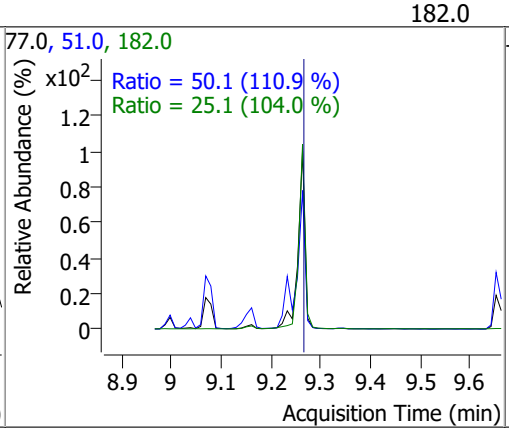


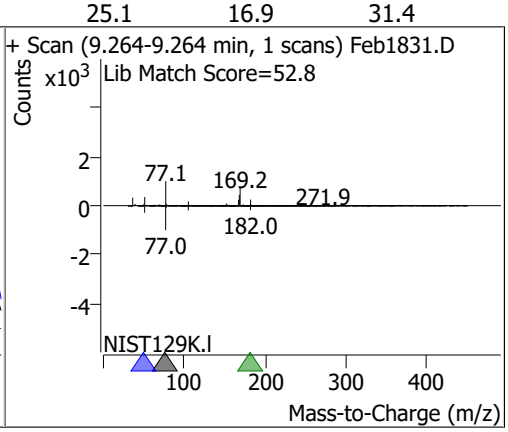




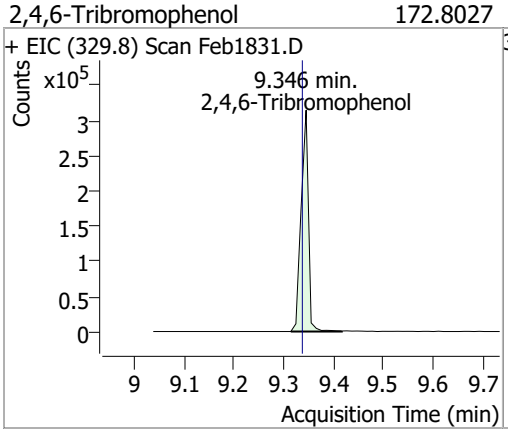
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	80.4843	9.26	0.00	1321398	51.0	50.1	31.6	58.7
					182.0	25.1	16.9	31.4

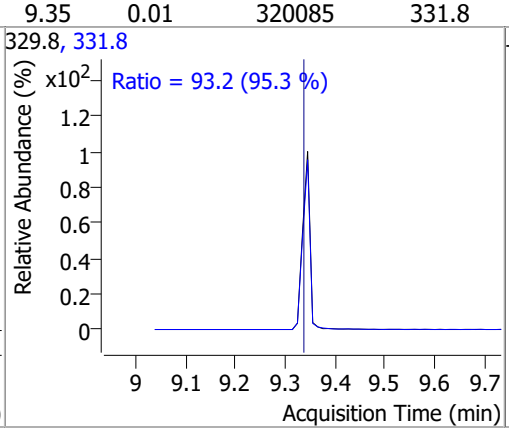


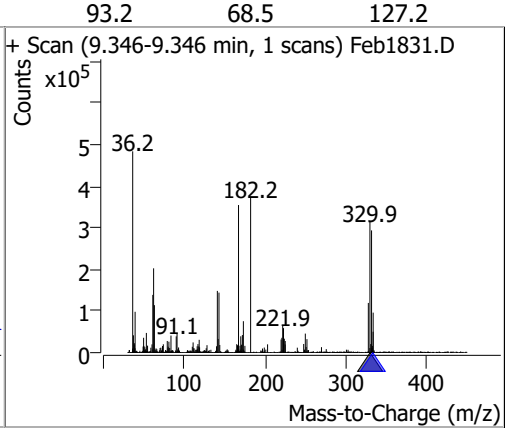




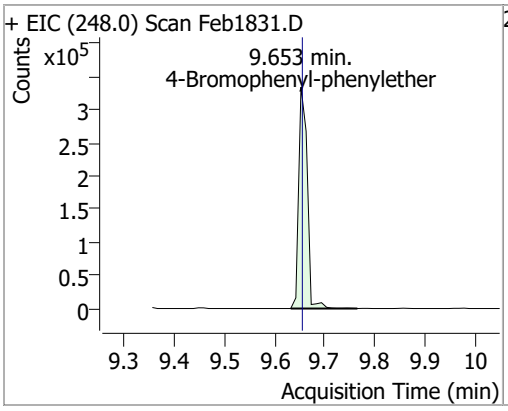
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	172.8027	9.35	0.01	320085	331.8	93.2	68.5	127.2

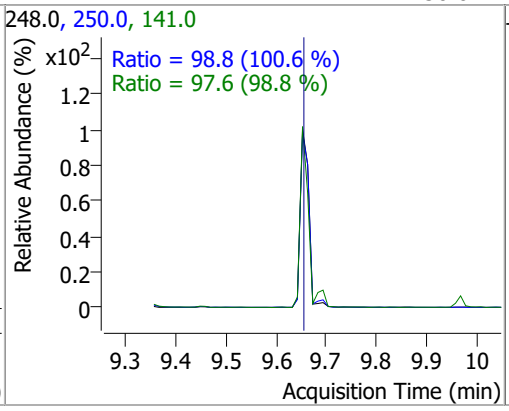


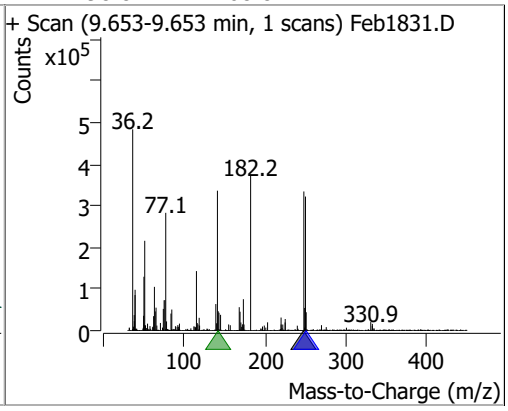




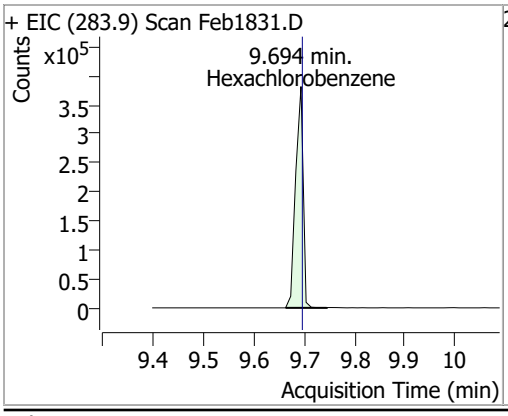
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	83.8941	9.65	0.00	395464	141.0	97.6	69.1	128.4
					250.0	98.8	68.8	127.7

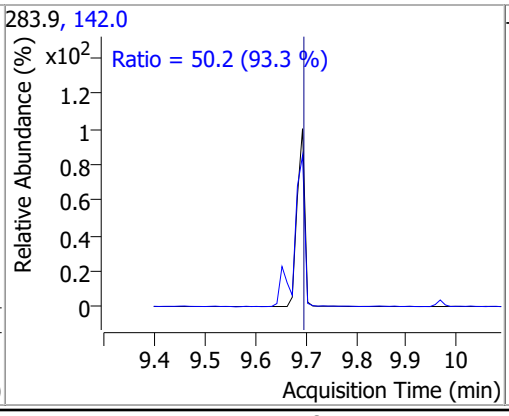


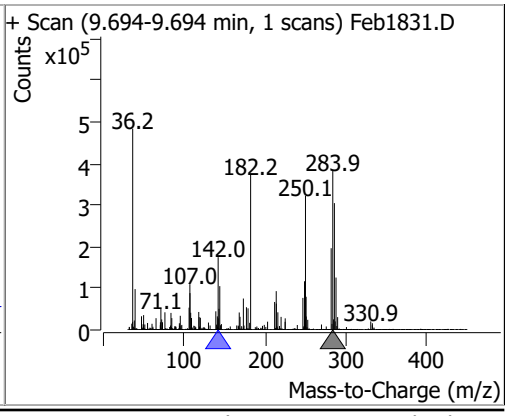




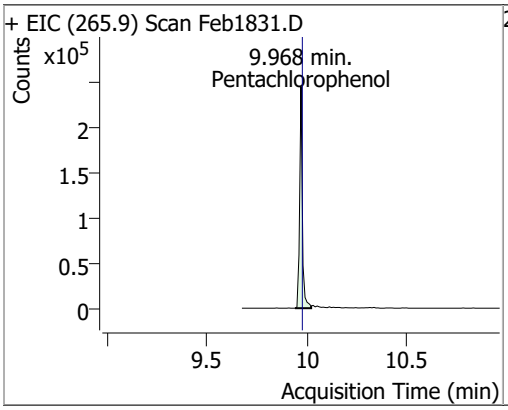
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	83.5430	9.69	0.00	398770	142.0	50.2	37.7	70.0

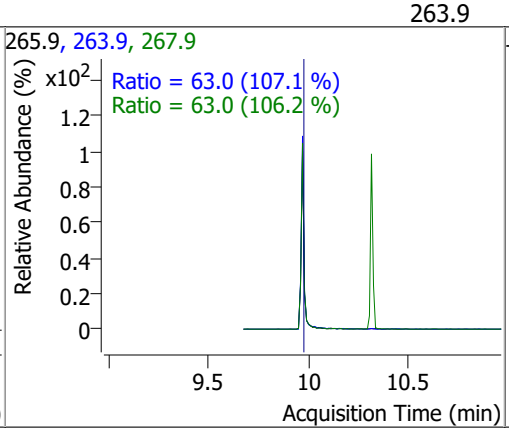


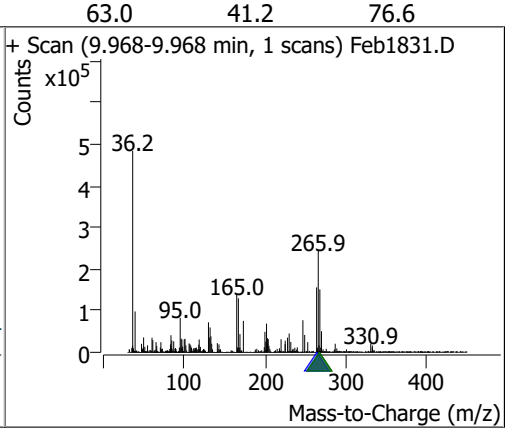




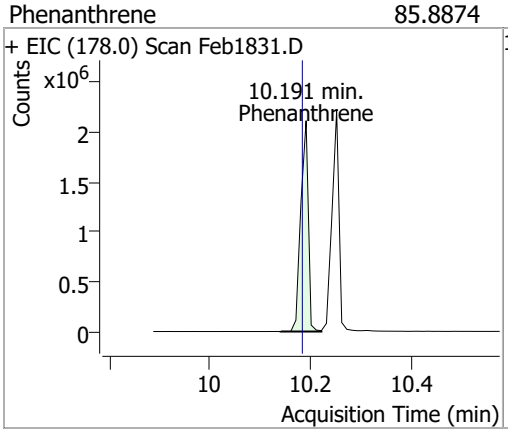
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	98.1697	9.97	0.00	228272	267.9	63.0	41.5	77.2
					263.9	63.0	41.2	76.6

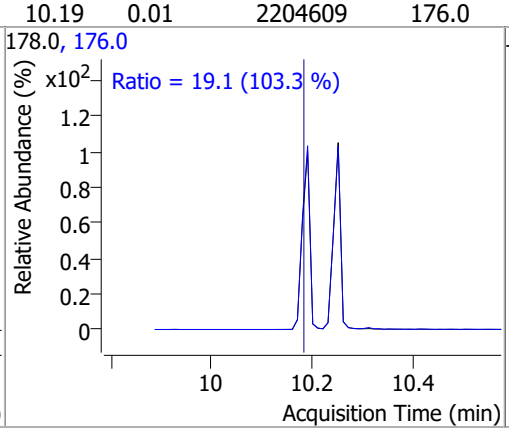


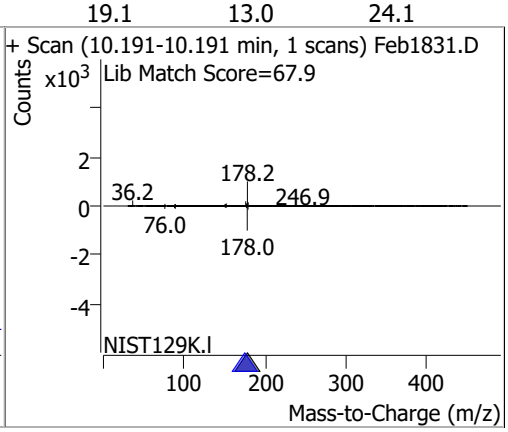




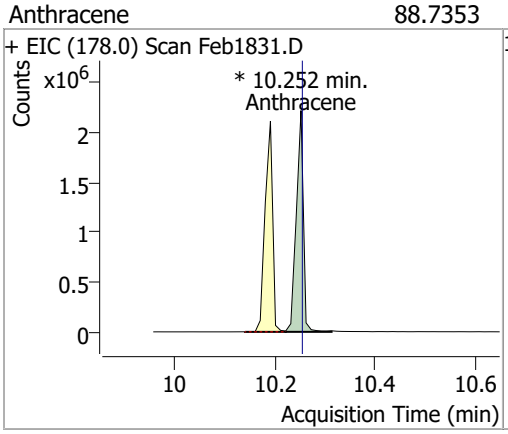
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	85.8874	10.19	0.01	2204609	176.0	19.1	13.0	24.1

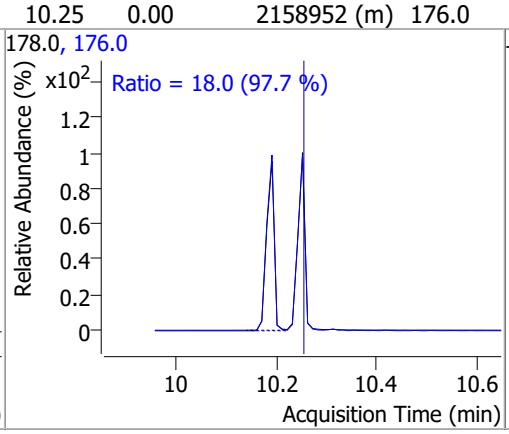


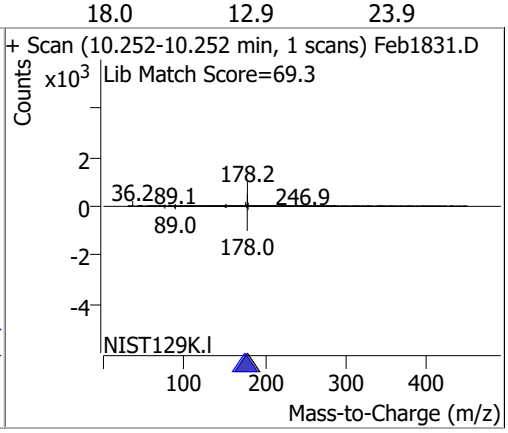




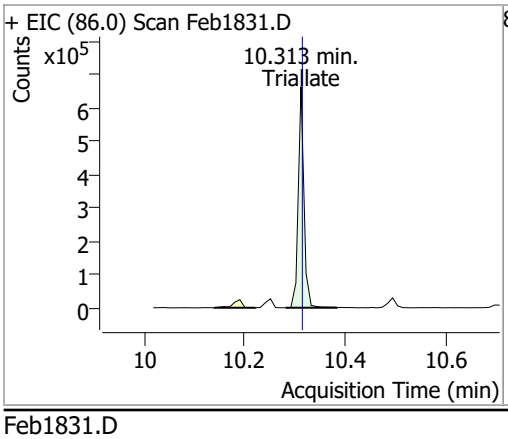
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	88.7353	10.25	0.00	2158952 (m)	176.0	18.0	12.9	23.9

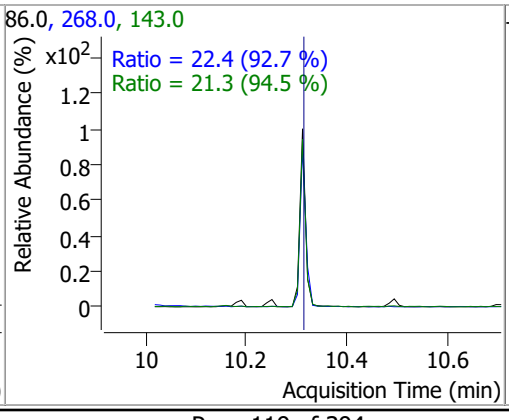


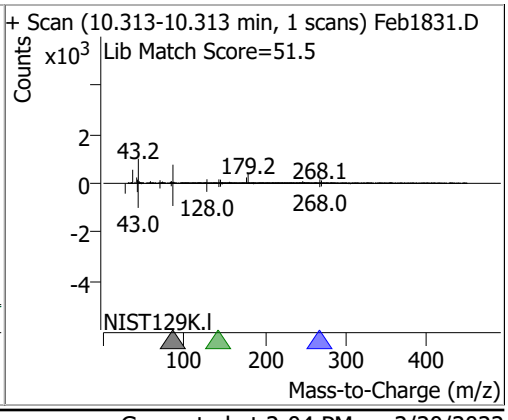




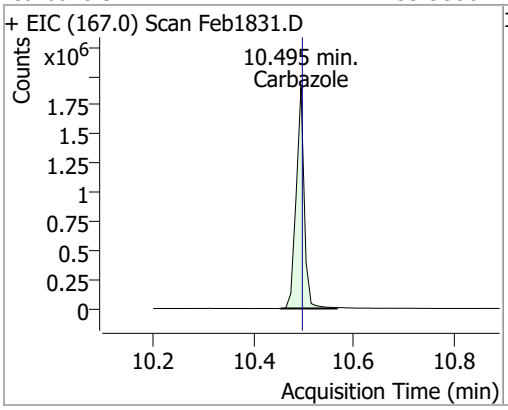
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	88.4638	10.31	0.00	520549	268.0	22.4	16.9	31.4
					143.0	21.3	15.8	29.3

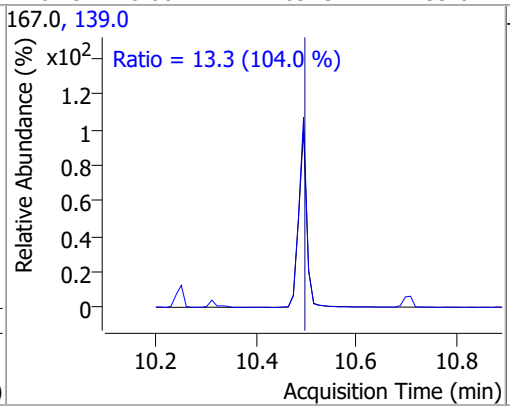


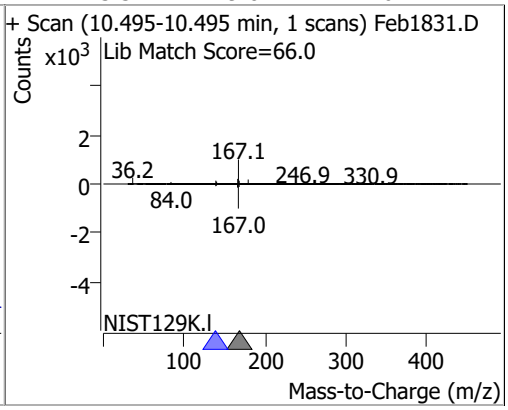




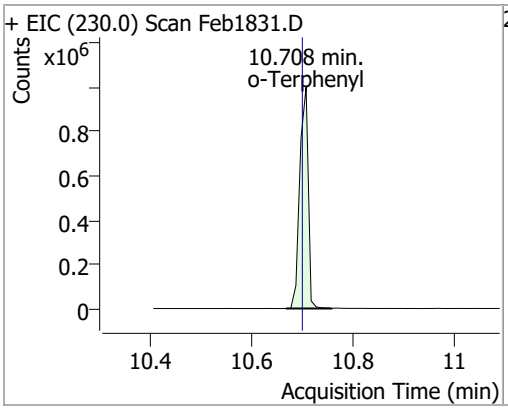
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	85.3800	10.49	0.00	2109237	139.0	13.3	9.0	16.7

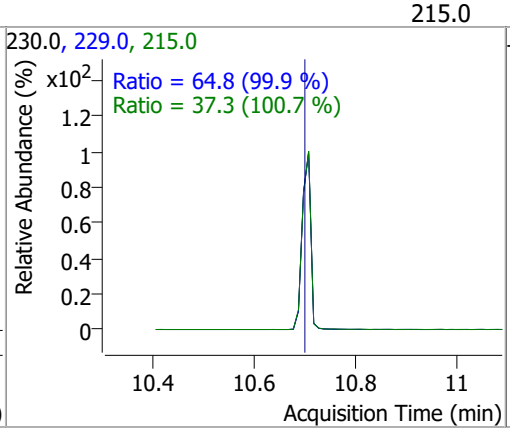


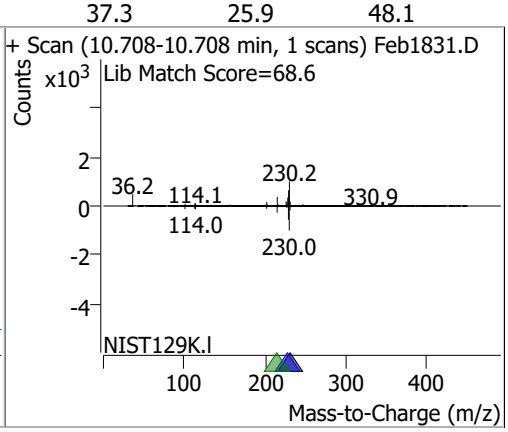




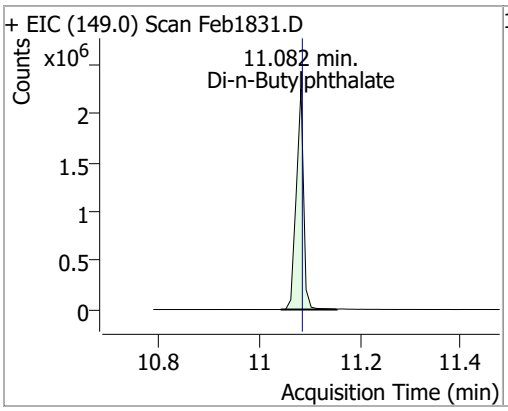
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	85.4446	10.71	0.01	1167572	229.0	64.8	45.4	84.3
					215.0	37.3	25.9	48.1

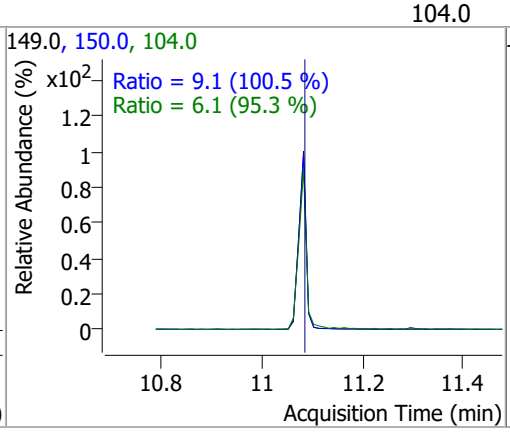


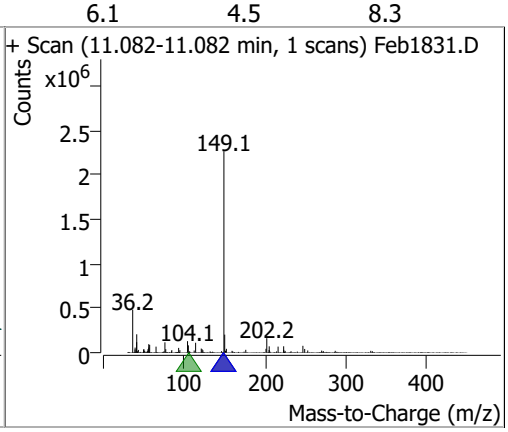




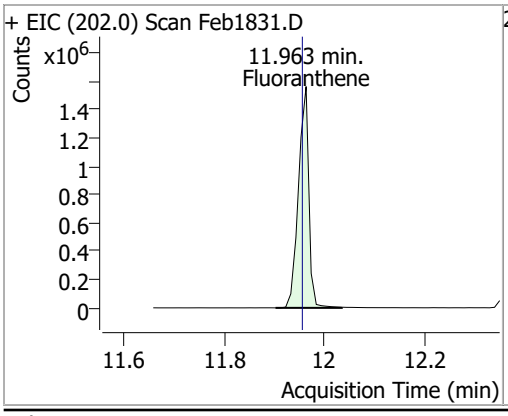
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	94.8638	11.08	0.00	2281042	150.0	9.1	6.3	11.8
					104.0	6.1	4.5	8.3

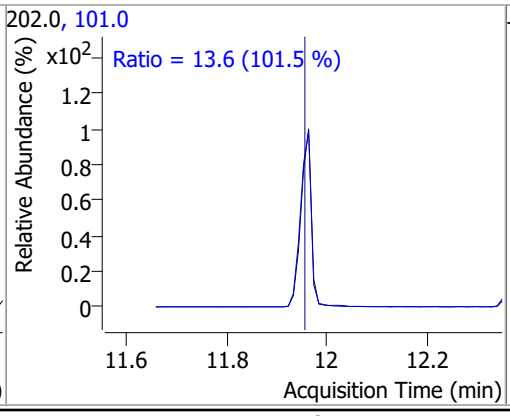


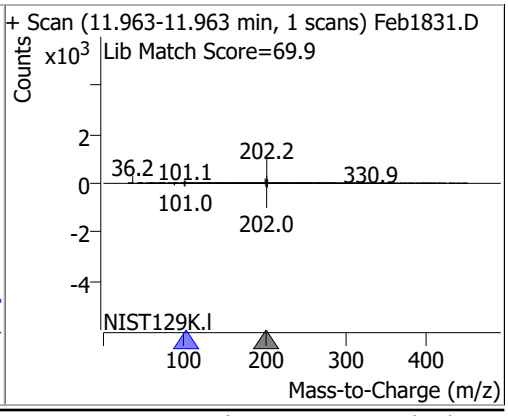




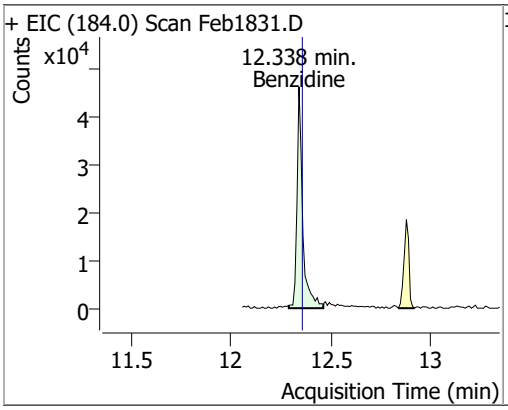
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	86.6005	11.96	0.01	2238646	101.0	13.6	9.4	17.4

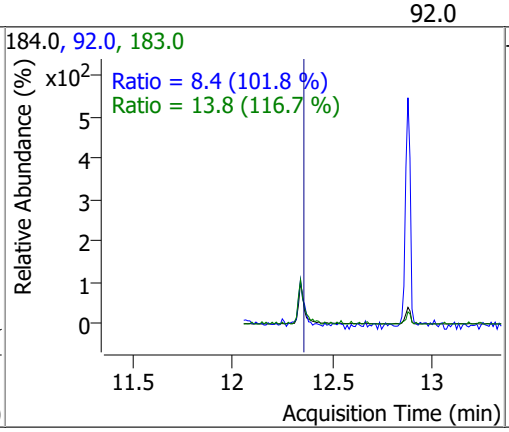


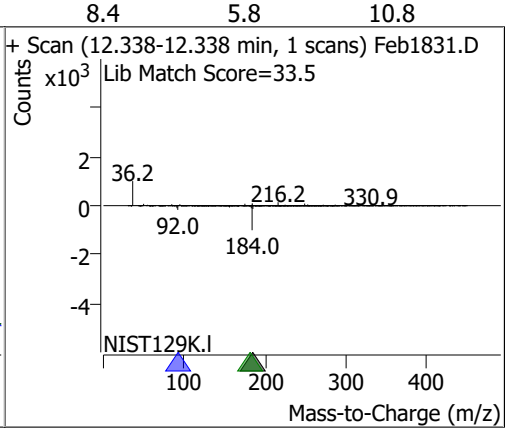




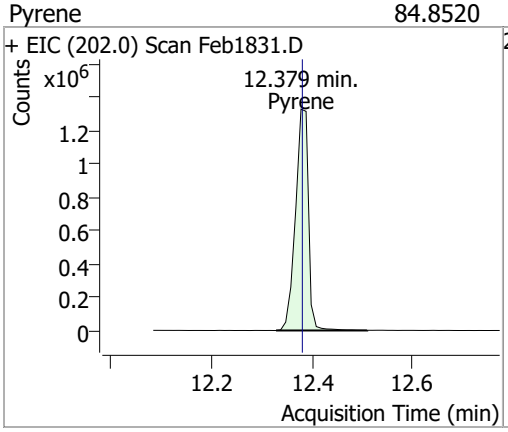
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	10.4870	12.34	-0.01	91131	183.0	13.8	8.3	15.4
					92.0	8.4	5.8	10.8

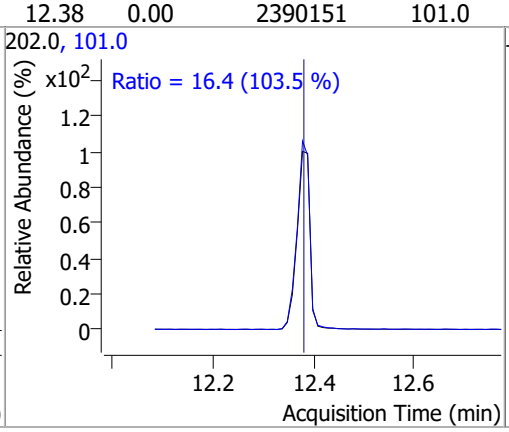


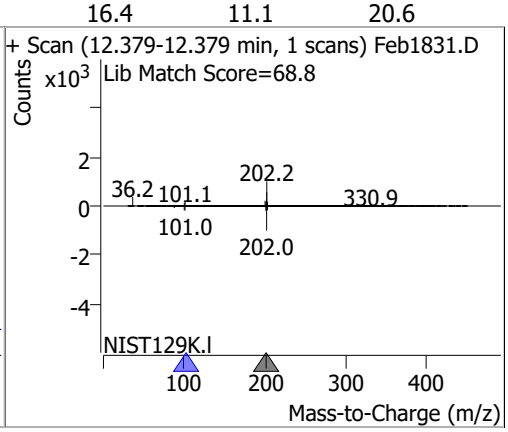




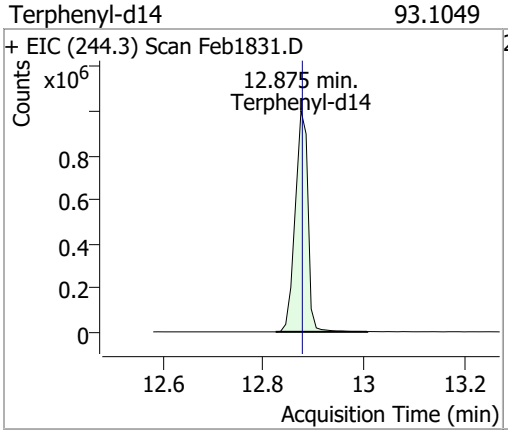
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	84.8520	12.38	0.00	2390151	101.0	16.4	11.1	20.6

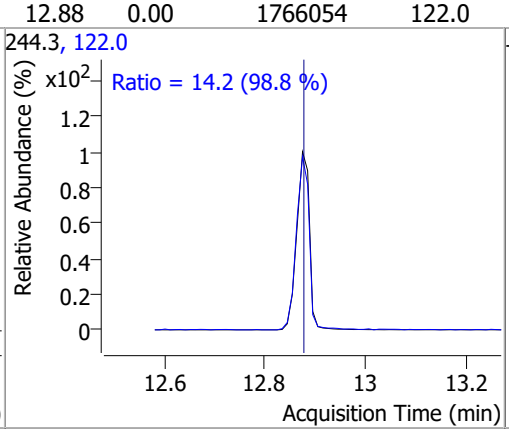


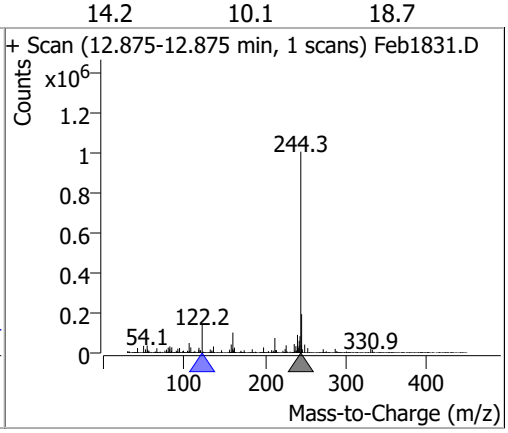




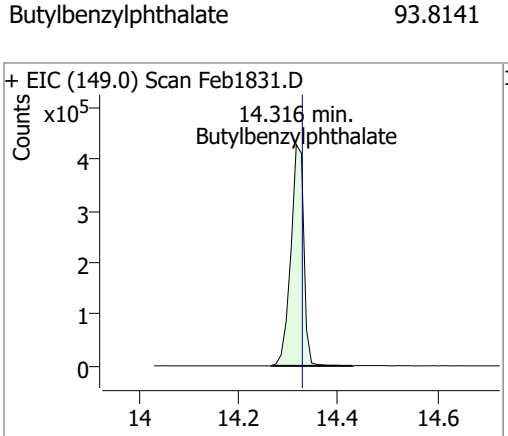
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	93.1049	12.88	0.00	1766054	122.0	14.2	10.1	18.7

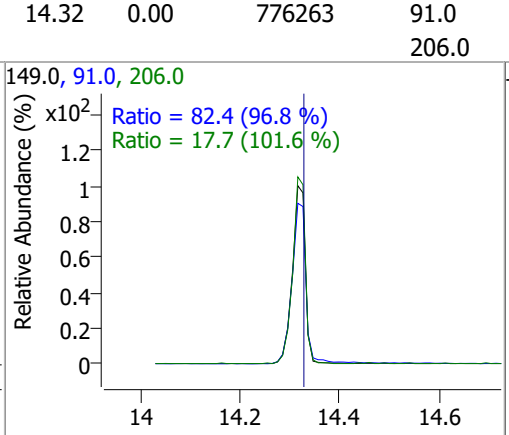


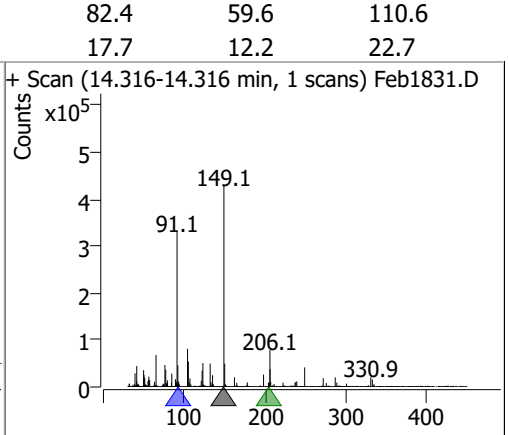




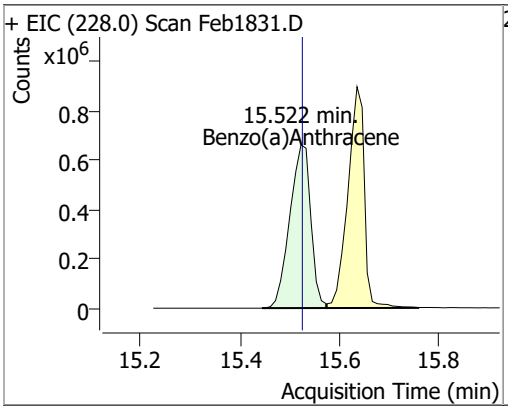
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	93.8141	14.32	0.00	776263	91.0	82.4	59.6	110.6
					206.0	17.7	12.2	22.7

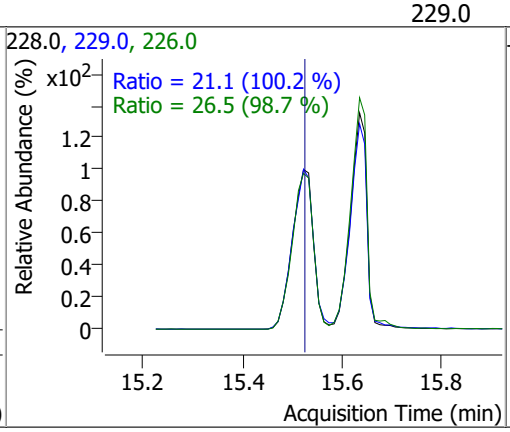


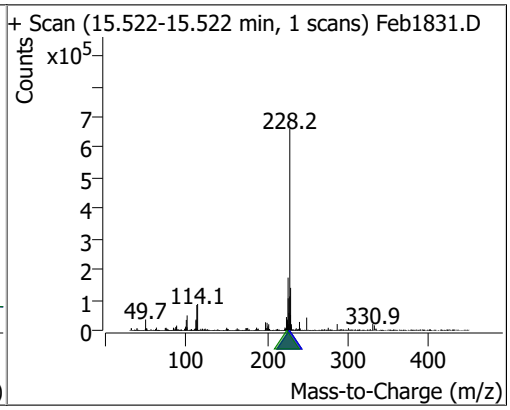




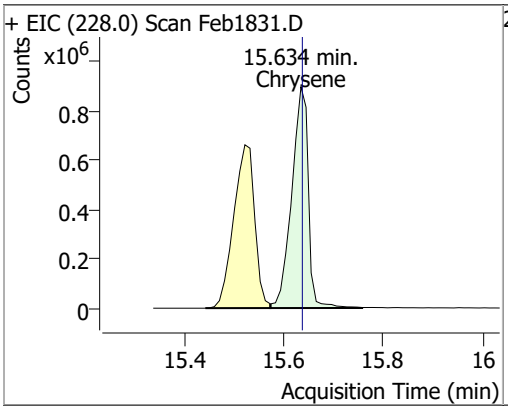
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	92.0091	15.52	0.01	1927084	226.0	26.5	18.8	34.9
					229.0	21.1	14.7	27.4

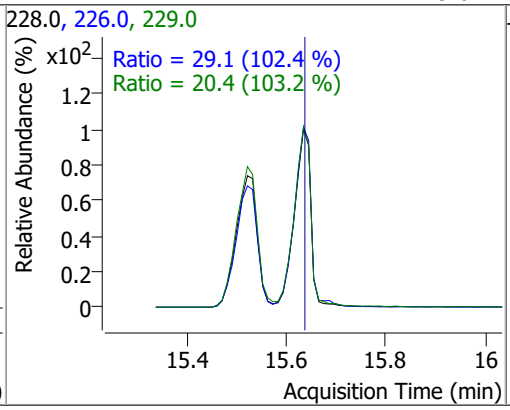


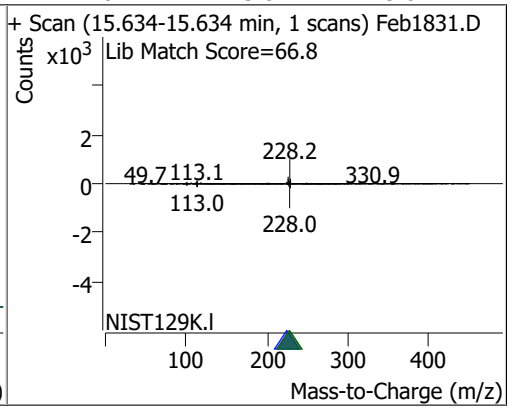




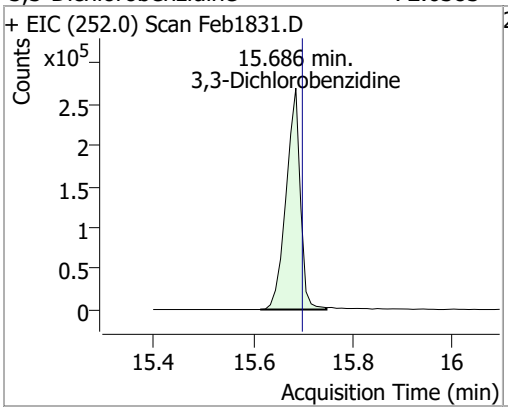
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	88.4044	15.63	0.01	2064510	226.0	29.1	19.9	36.9
					229.0	20.4	13.8	25.6

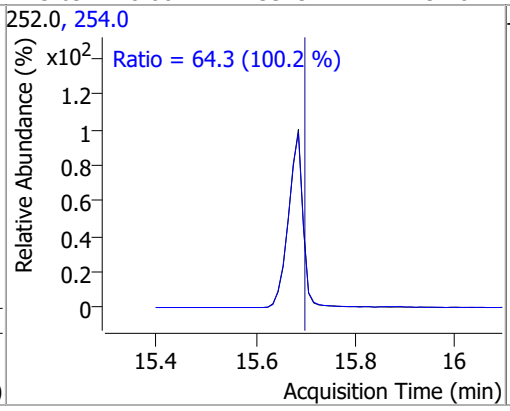


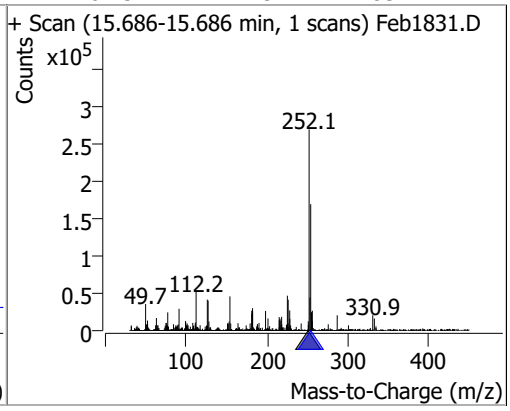




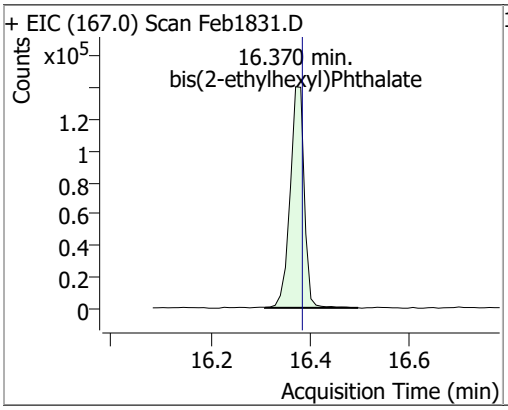
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	72.6383	15.69	0.00	532522	254.0	64.3	44.9	83.4

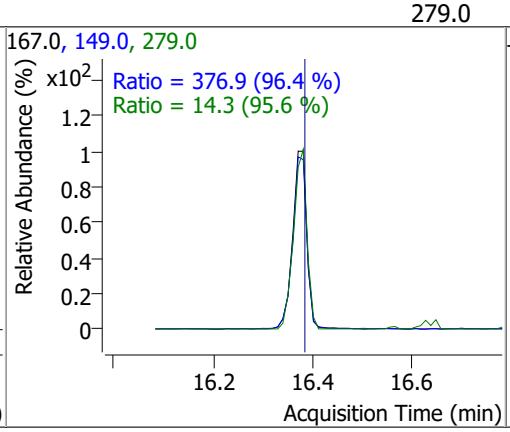


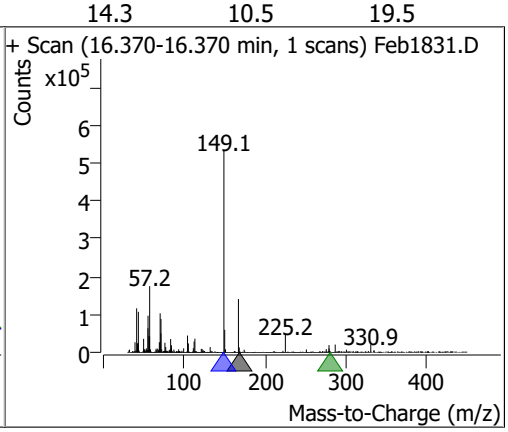




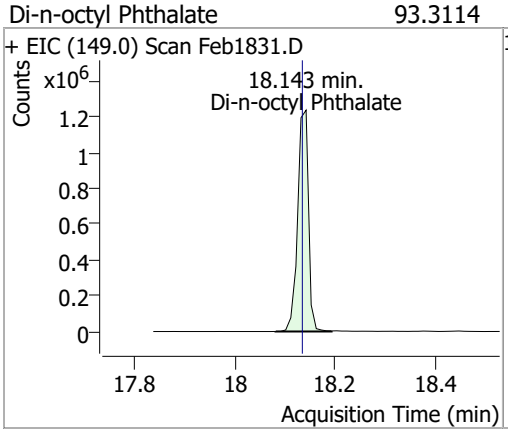
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	96.4328	16.37	0.00	277654	149.0	376.9	273.6	508.0
					279.0	14.3	10.5	19.5

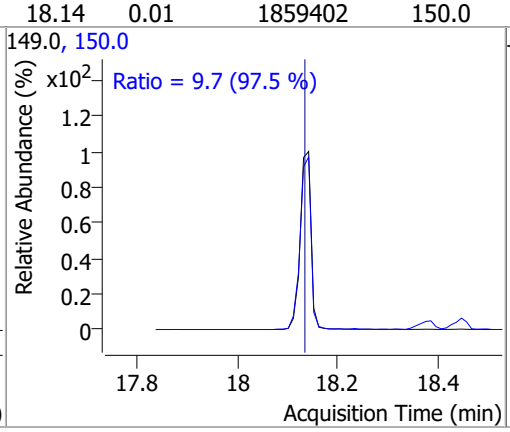


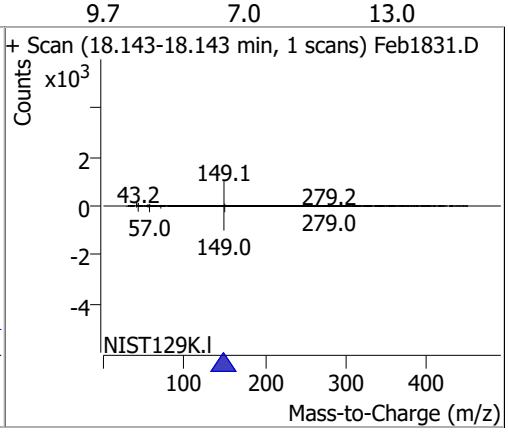




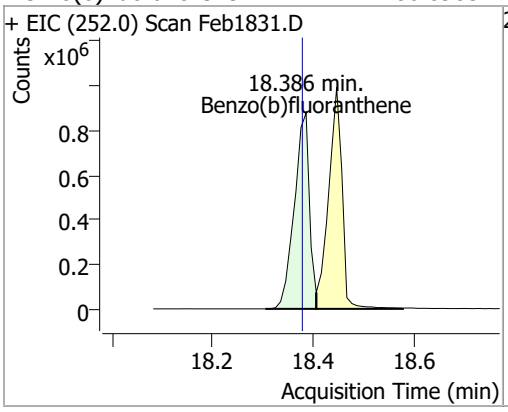
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	93.3114	18.14	0.01	1859402	150.0	9.7	7.0	13.0

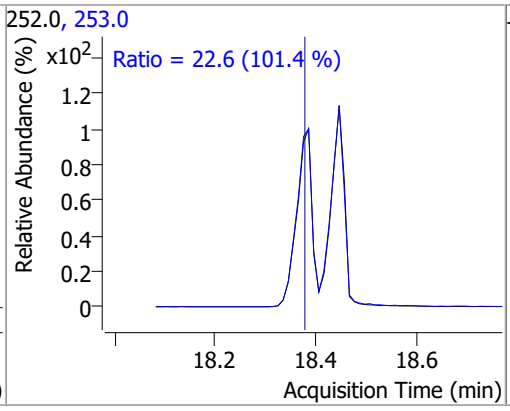


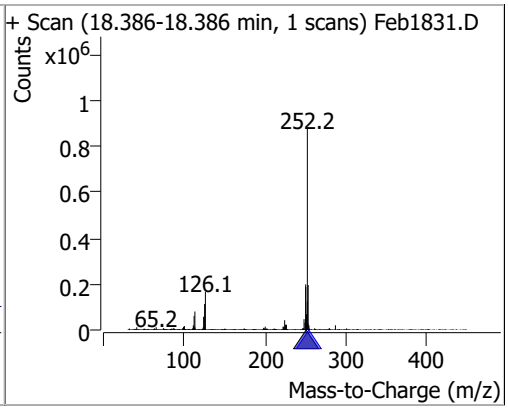




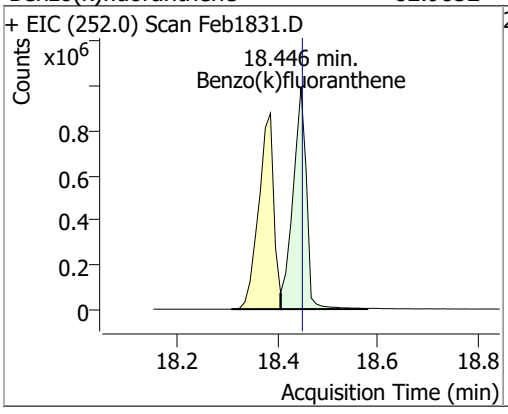
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	86.8985	18.39	0.01	1826358	253.0	22.6	15.6	29.0

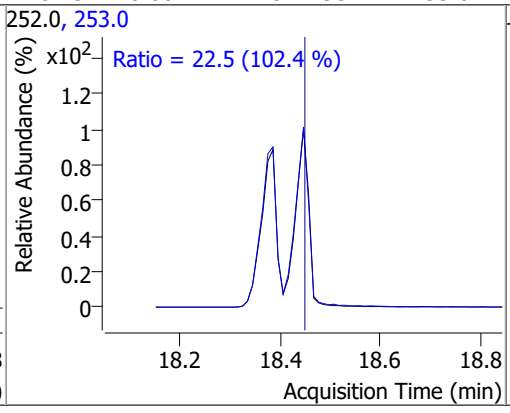


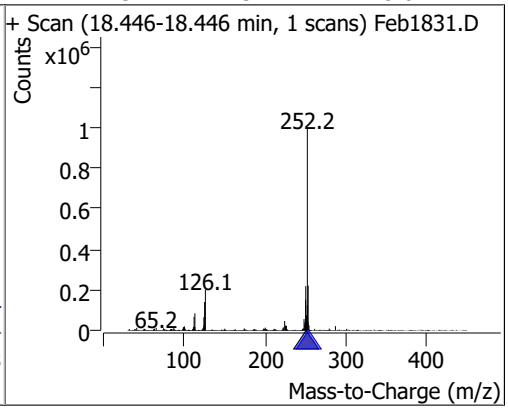




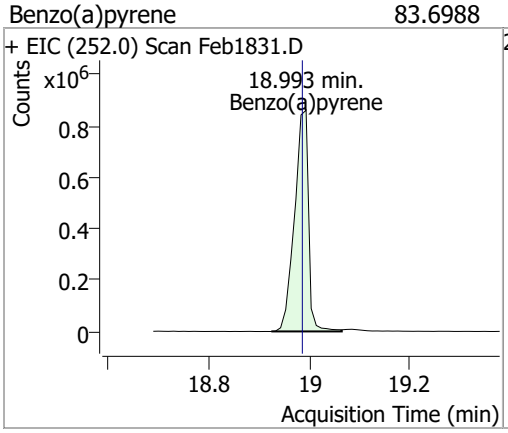
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	82.9852	18.45	0.00	1842195	253.0	22.5	15.4	28.6

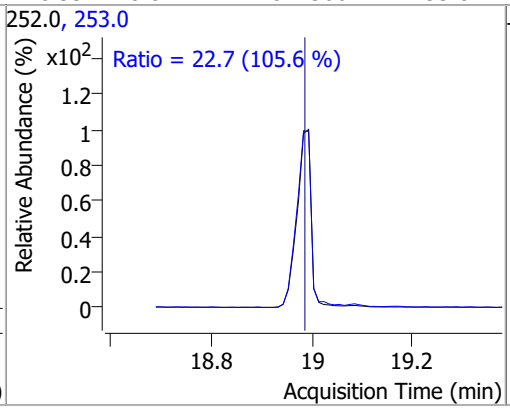


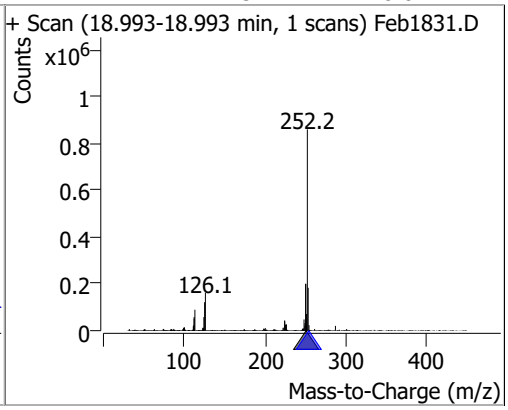




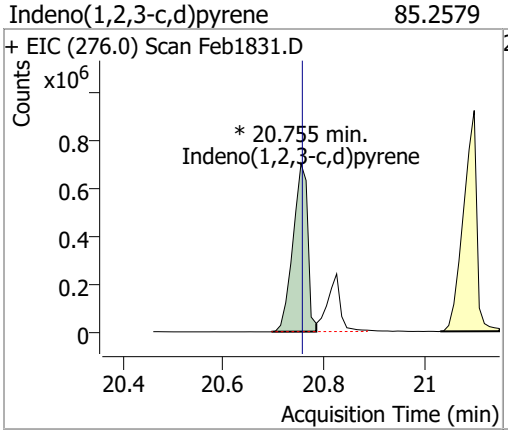
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	83.6988	18.99	0.01	1672366	253.0	22.7	15.1	28.0

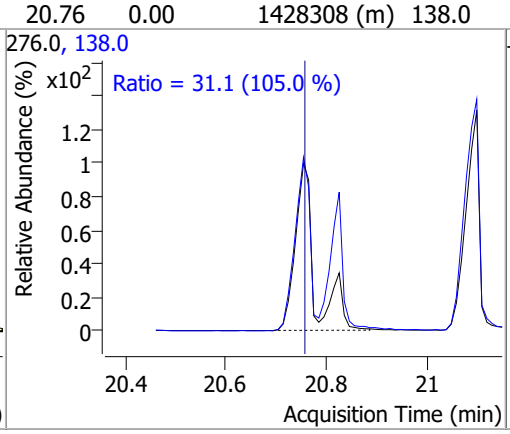


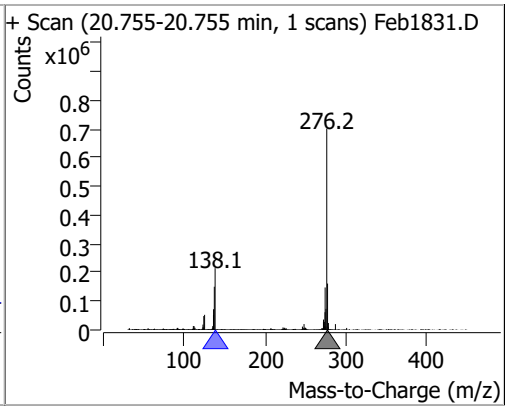




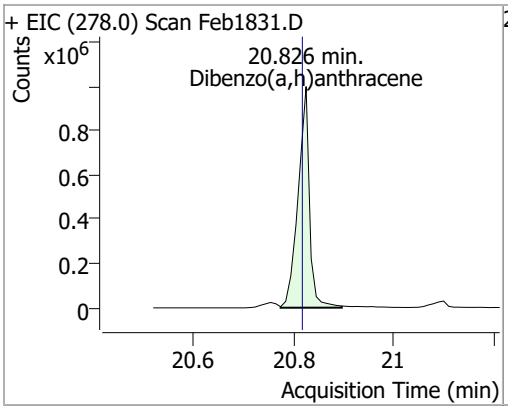
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	85.2579	20.76	0.00	1428308 (m)	138.0	31.1	20.7	38.5

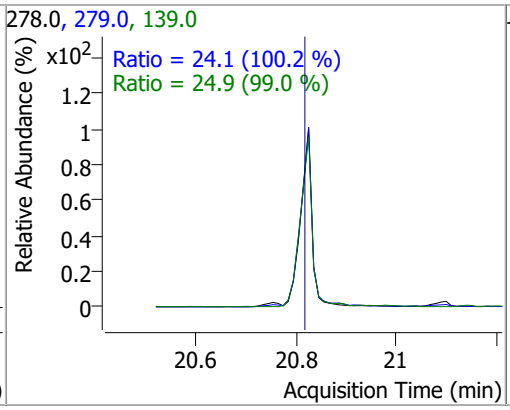


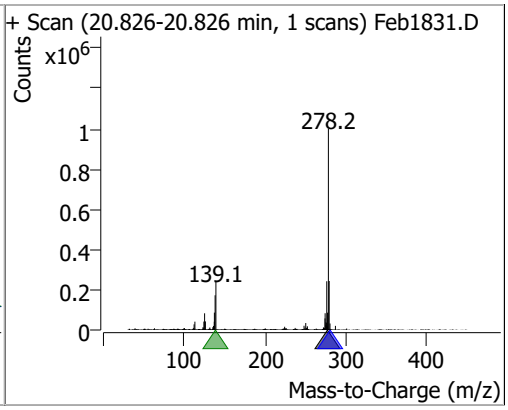




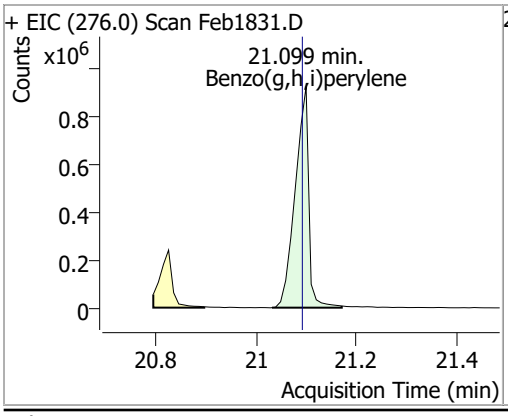
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	85.9722	20.83	0.01	1570040	139.0	24.9	17.6	32.7
					279.0	24.1	16.9	31.3

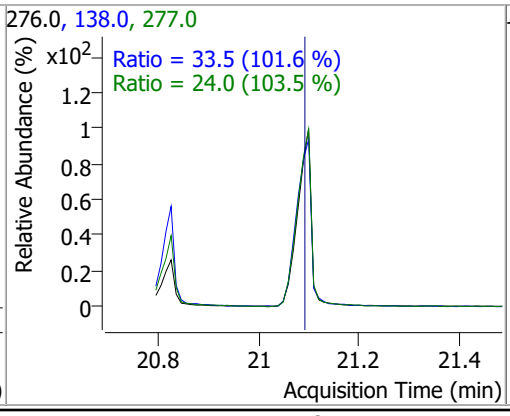


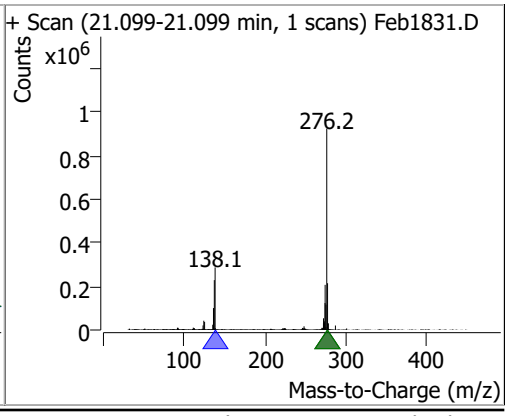




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	89.1013	21.10	0.01	1720573	138.0	33.5	23.1	42.9
					277.0	24.0	16.3	30.2

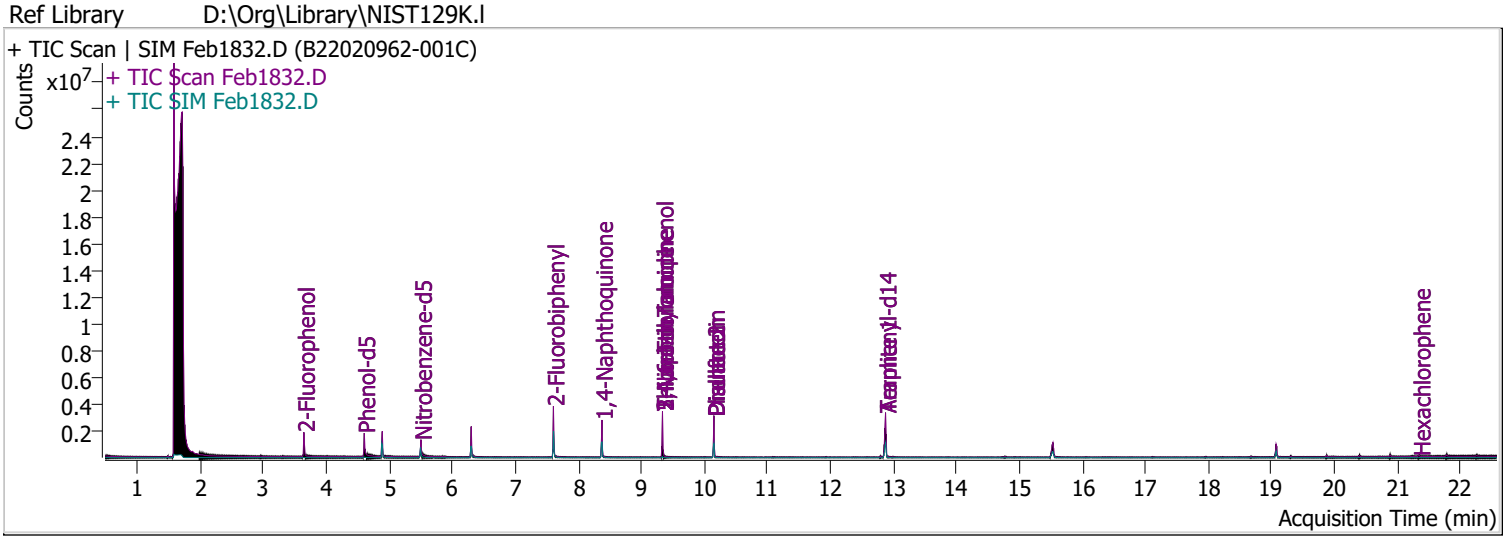






Quantitation Results Report (QT Reviewed)

Data File	Feb1832.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/20/2022 12:31:35 AM
Sample Name	B22020962-001C	Instrument	Instrument #1
Vial	32	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



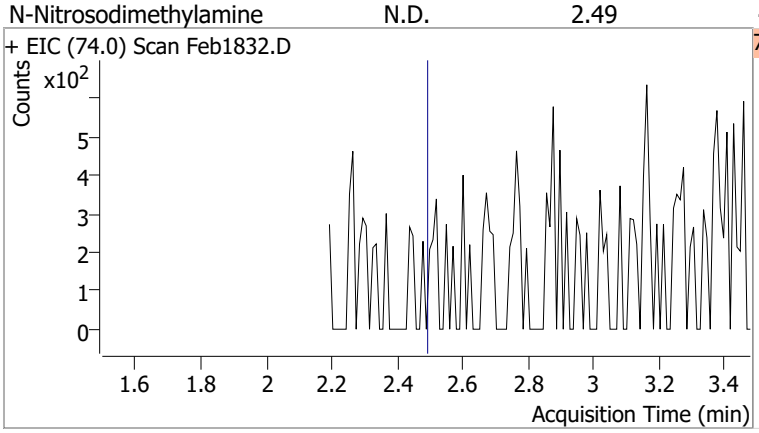
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	573364	68.5025	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 34.25%			
S Phenol-d5	4.603	99.0	671300	61.9771	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 30.99%			
S Nitrobenzene-d5	5.502	82.0	374119	62.4127	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 62.41%			
S 2-Fluorobiphenyl	7.605	172.0	1140945	63.5494	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 63.55%			
S 2,4,6-Tribromophenol	9.335	329.8	257710	154.7876	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 77.39%			
S Terphenyl-d14	12.875	244.3	1778758	100.6319	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 100.63%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.			
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

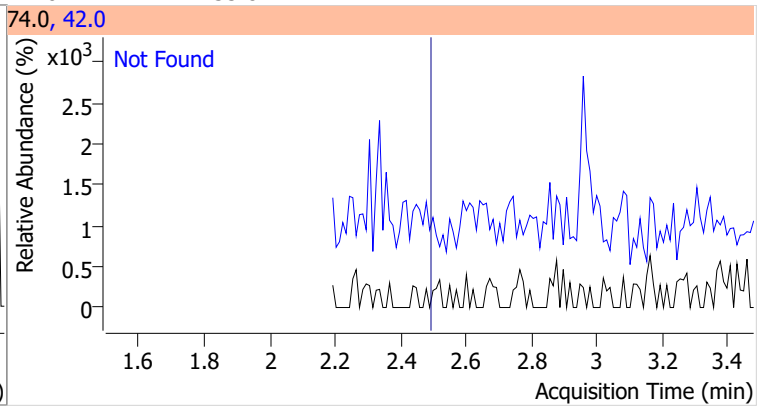
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	0.000		0	N.D.			
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	0.000		0	N.D.			
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

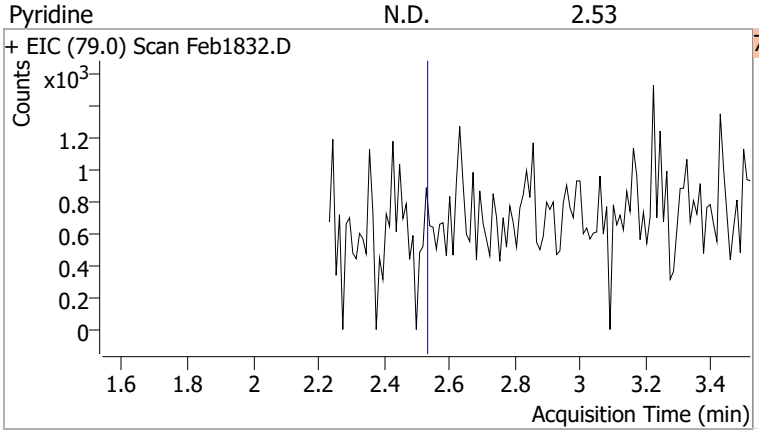
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

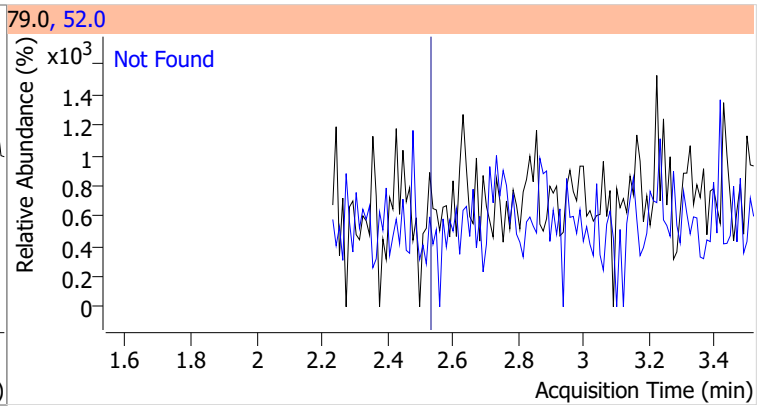
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



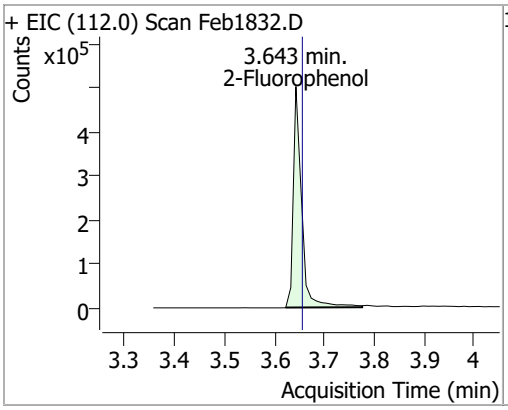


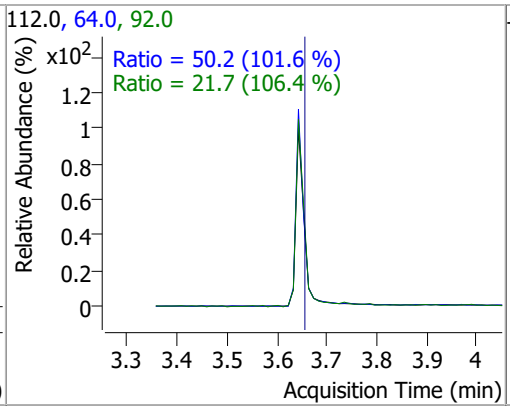
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

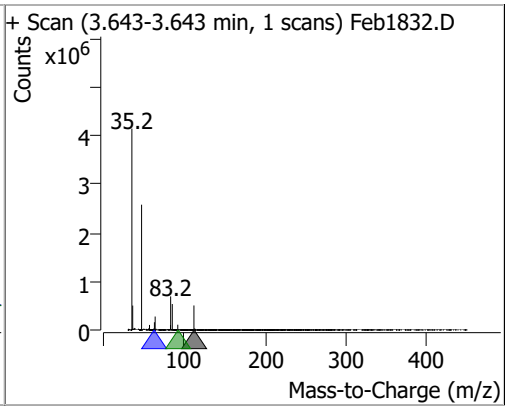




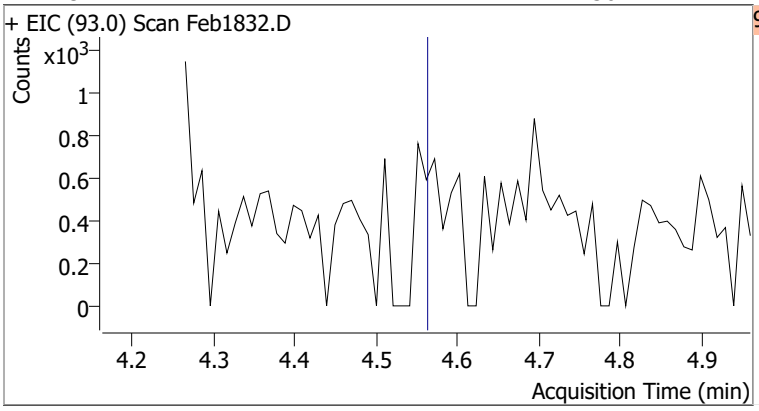
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	68.5025	3.64	-0.01	573364	64.0	50.2	34.6	64.3
					92.0	21.7	14.2	26.5

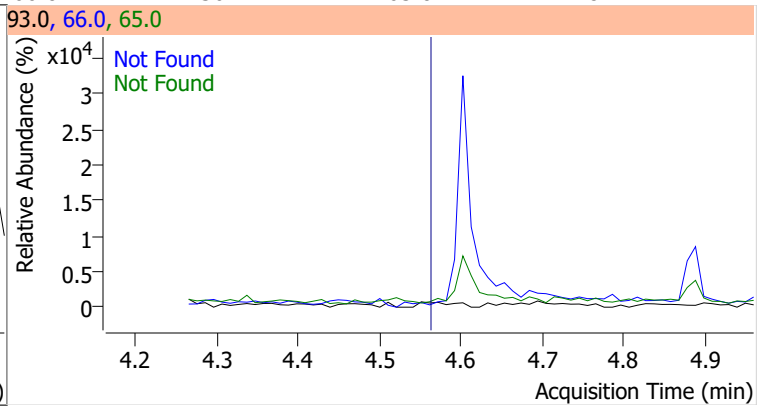




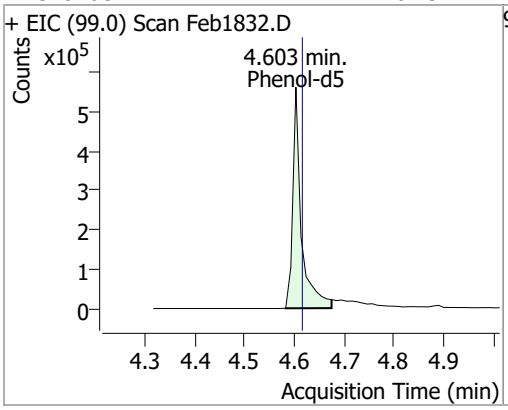


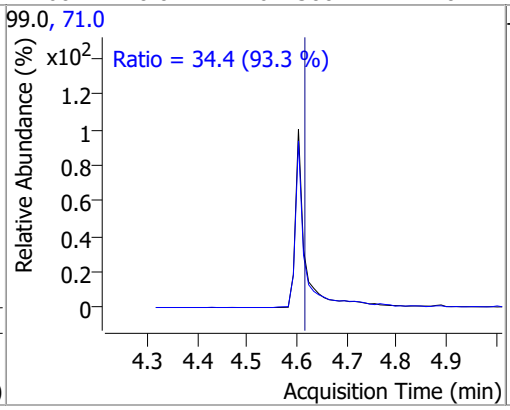
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

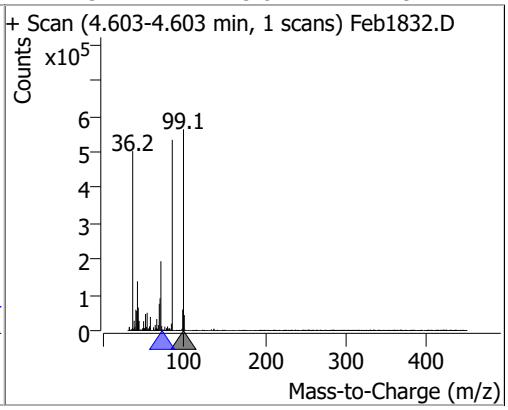




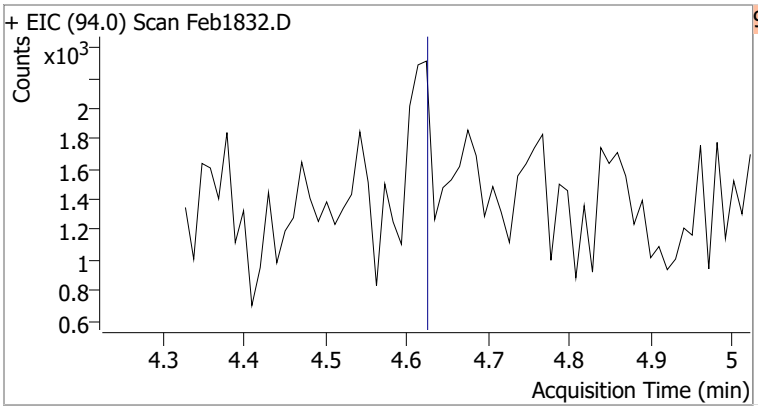
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	61.9771	4.60	-0.01	671300	71.0	34.4	25.8	47.9

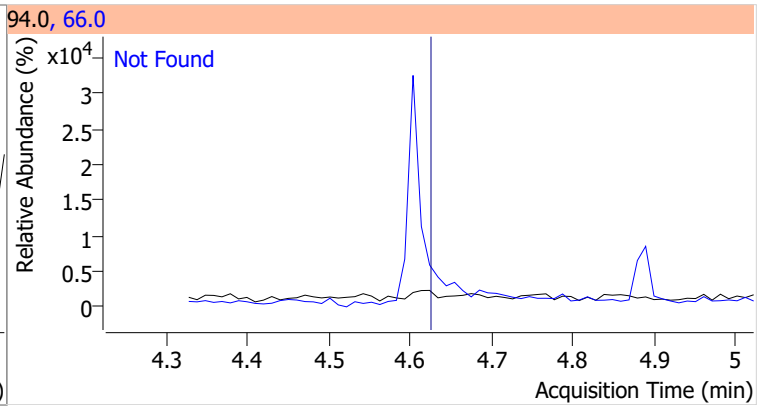




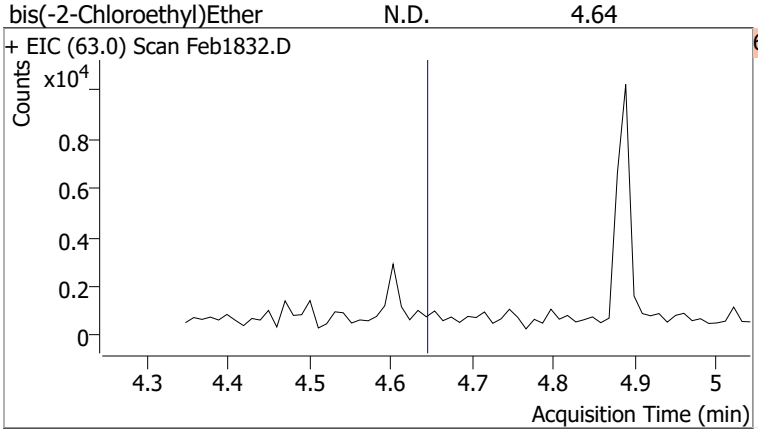


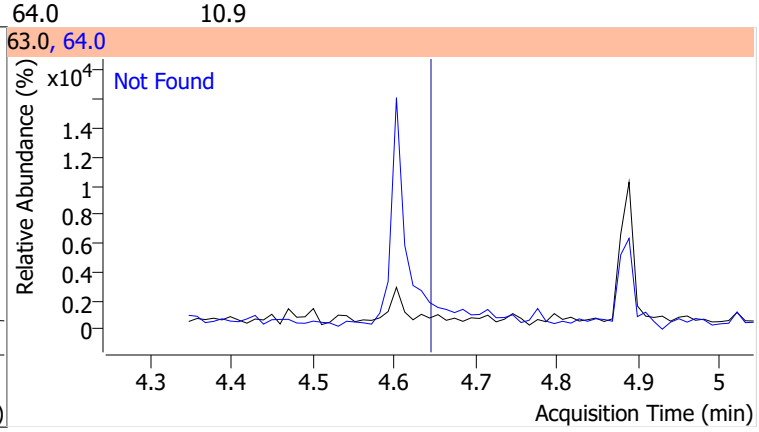
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



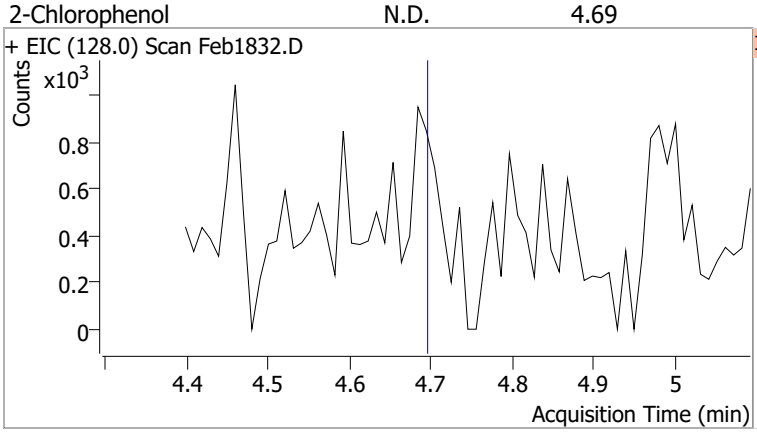


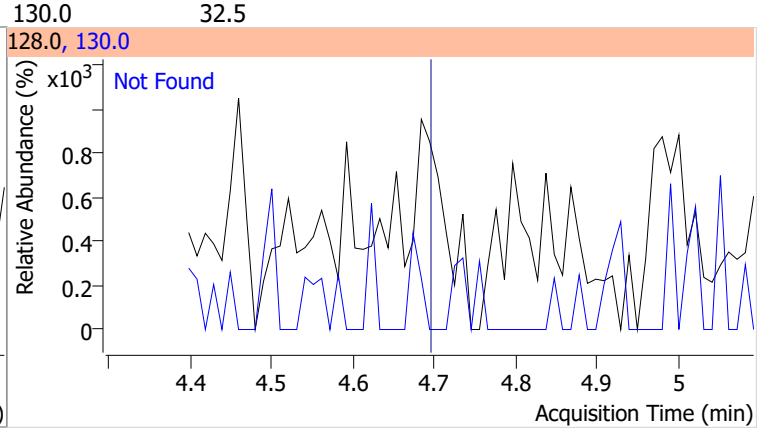
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



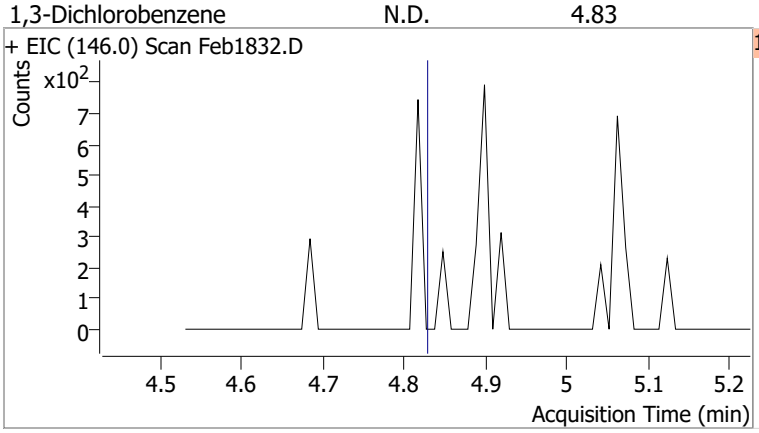


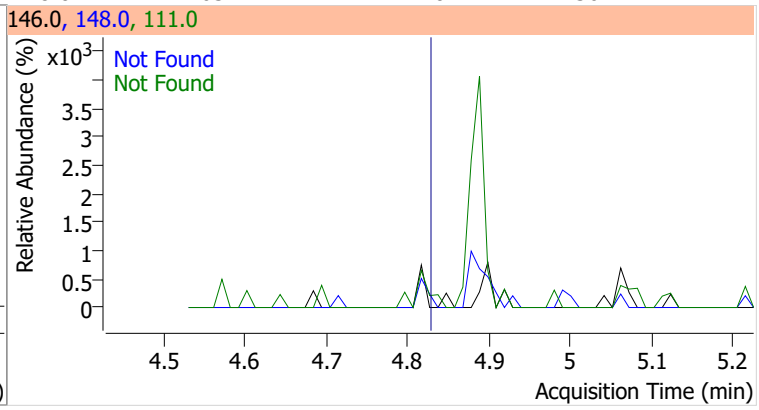
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



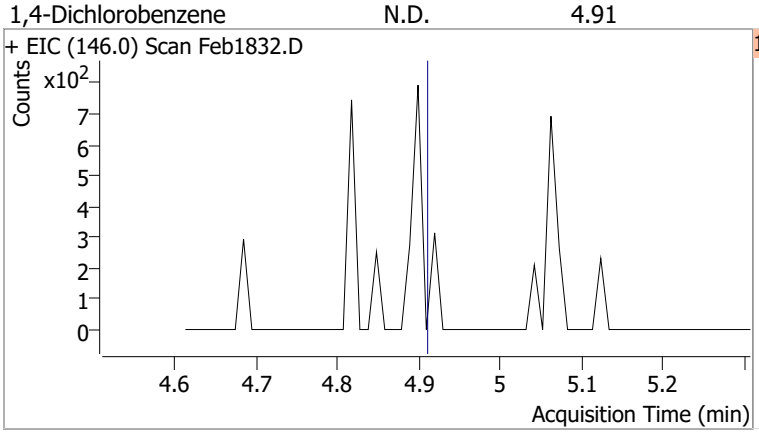


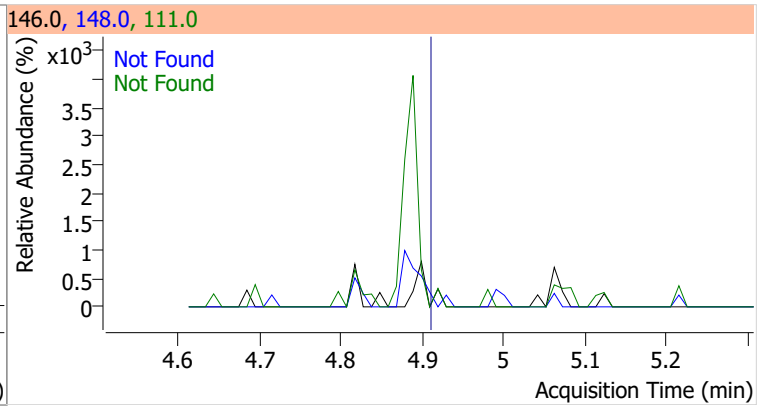
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



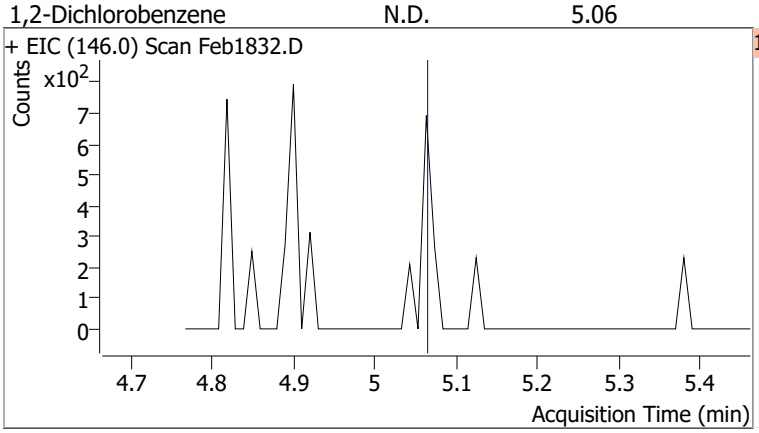


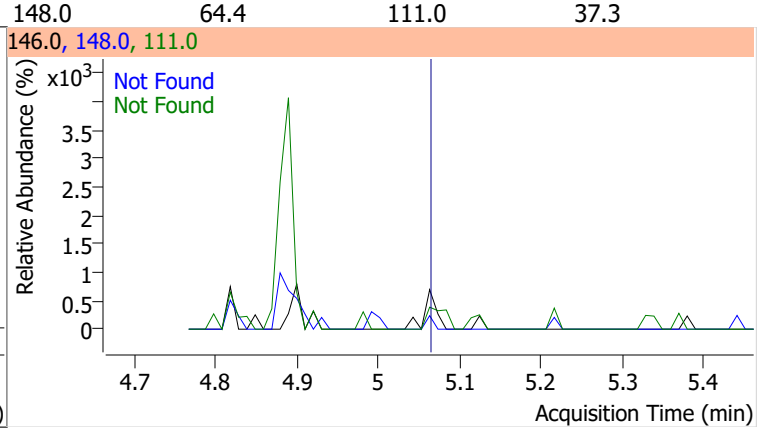
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



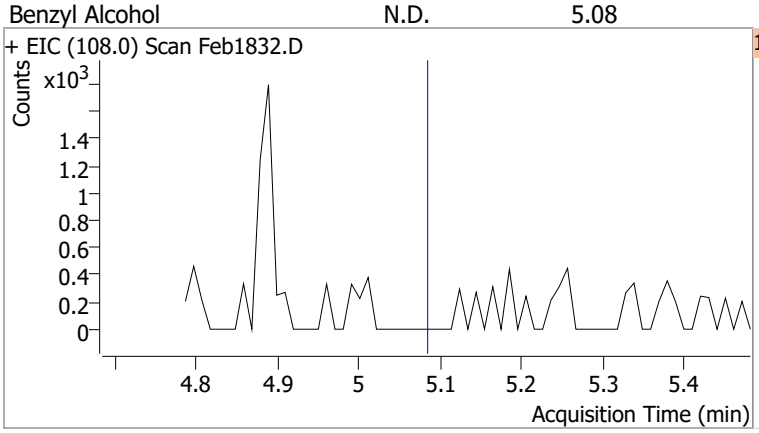


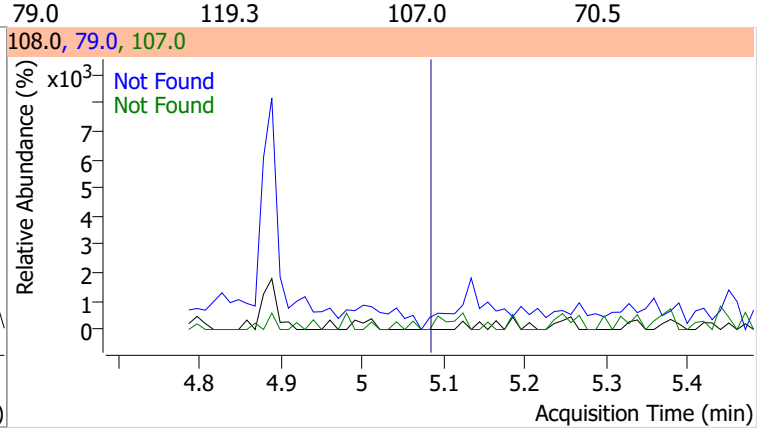
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



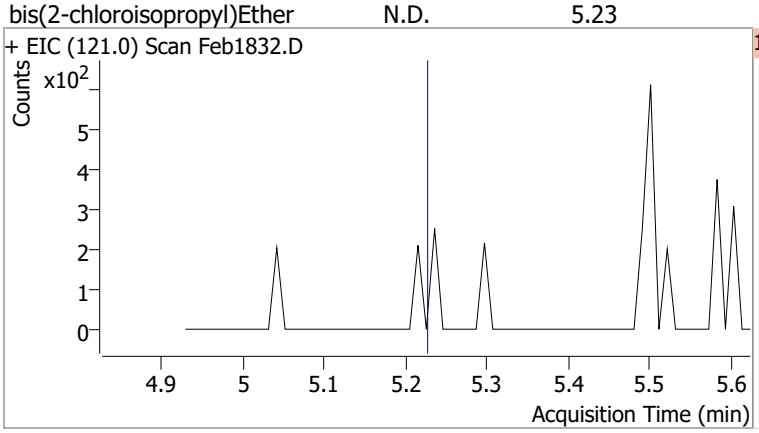


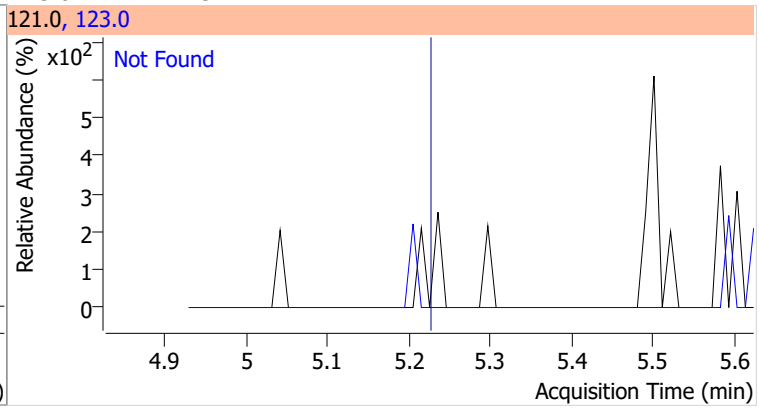
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



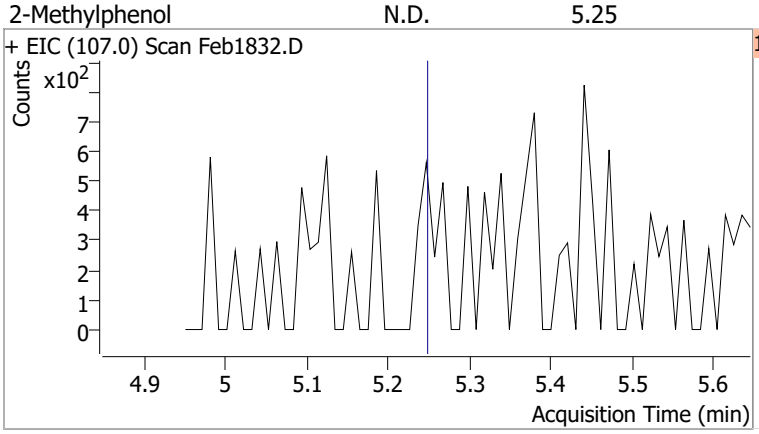


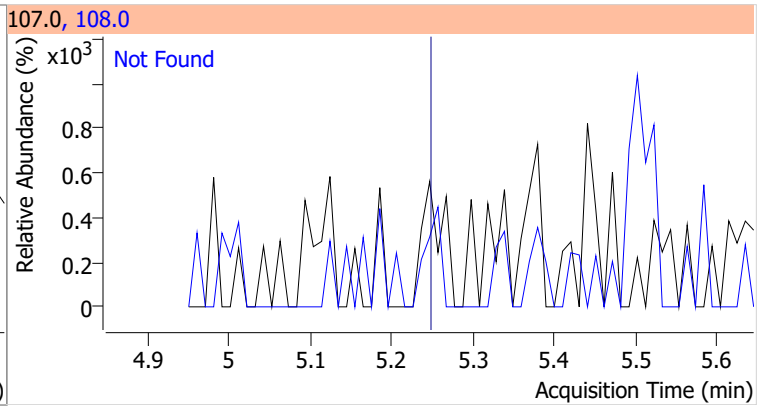
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



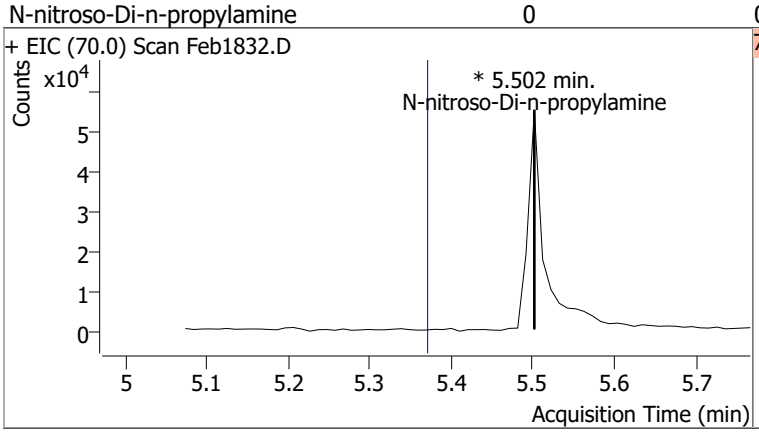


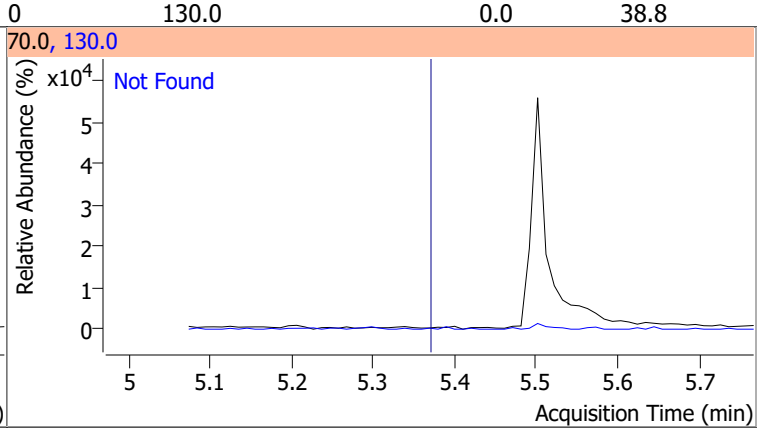
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



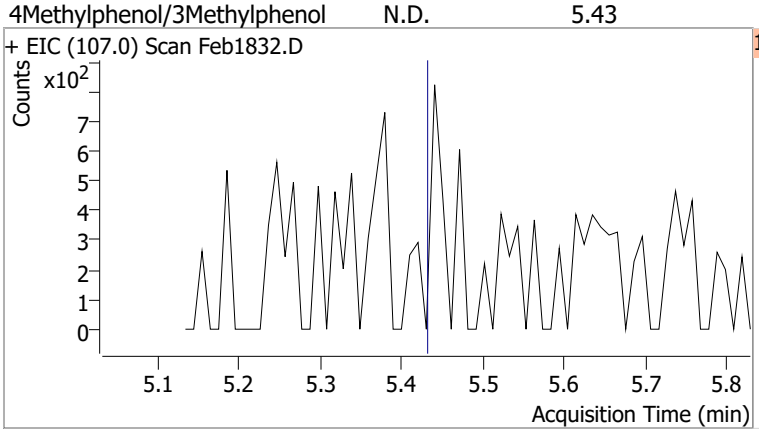


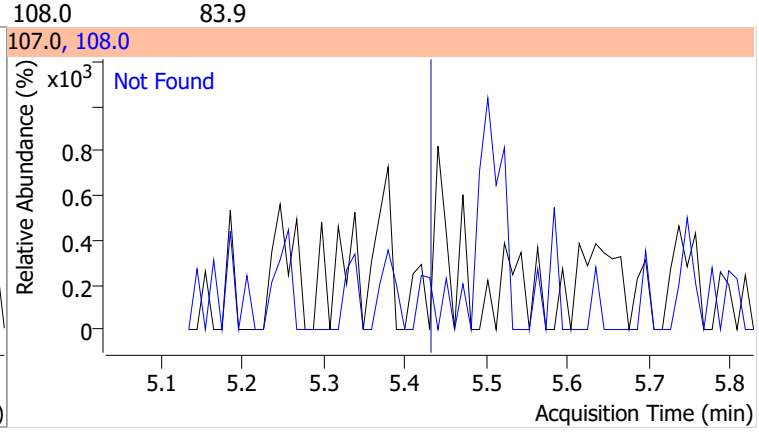
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



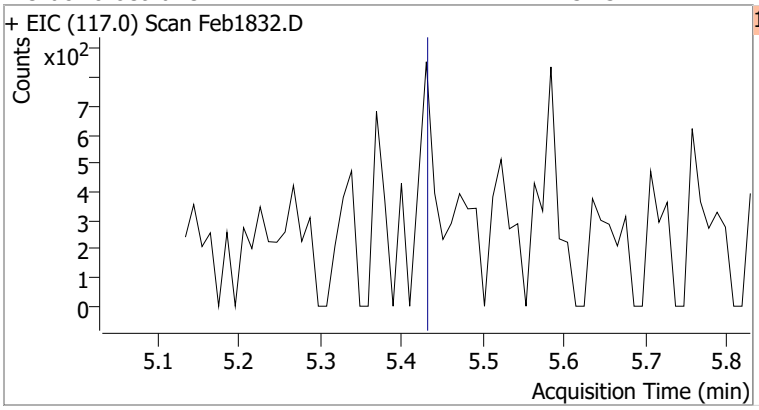


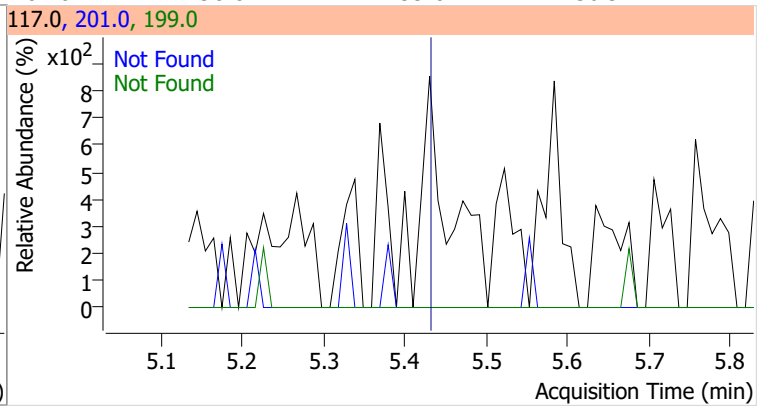
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



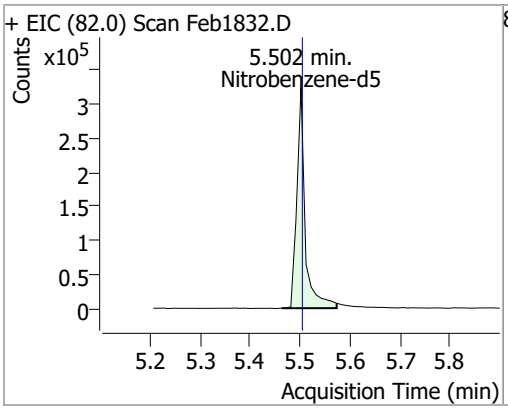


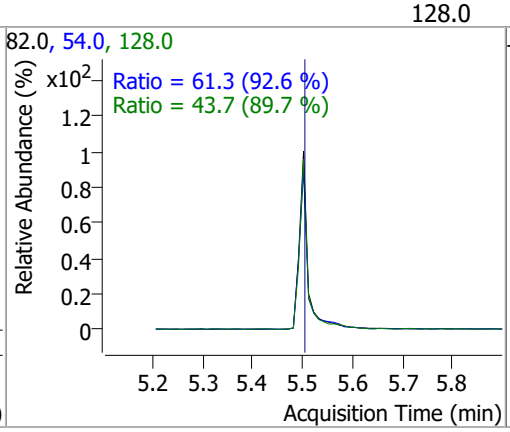
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

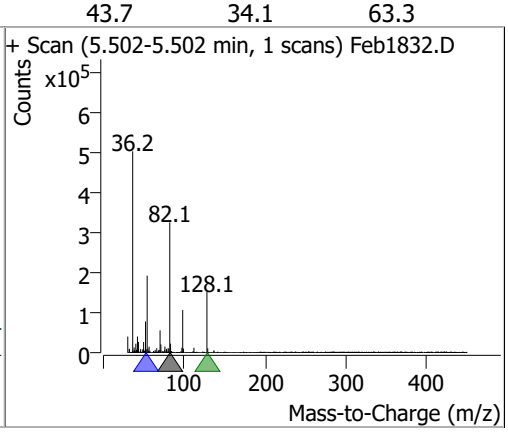




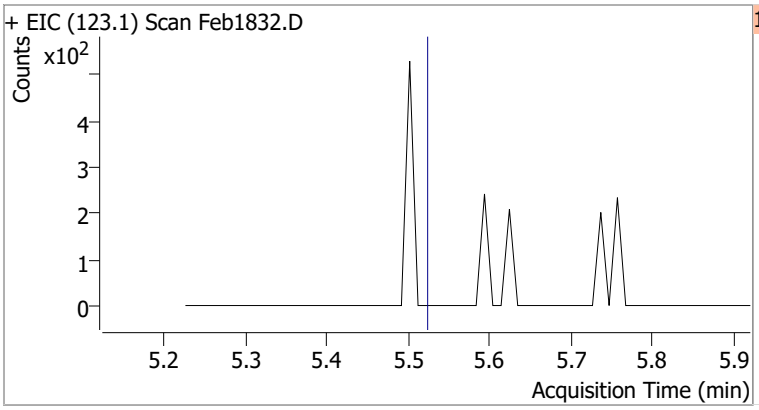
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	62.4127	5.50	0.00	374119	54.0	61.3	46.3	86.0
					128.0	43.7	34.1	63.3

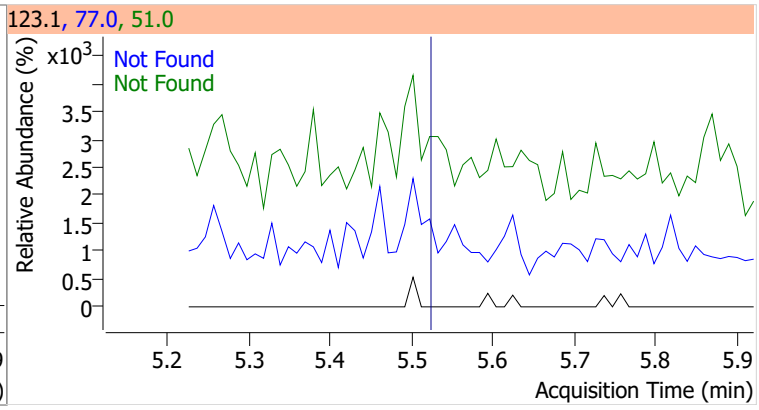




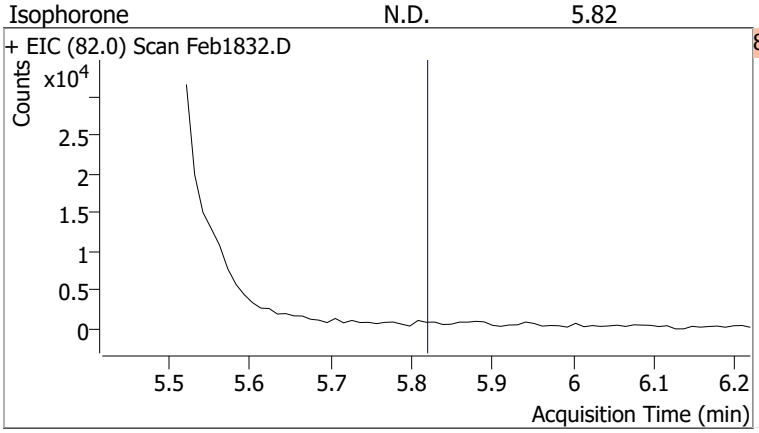


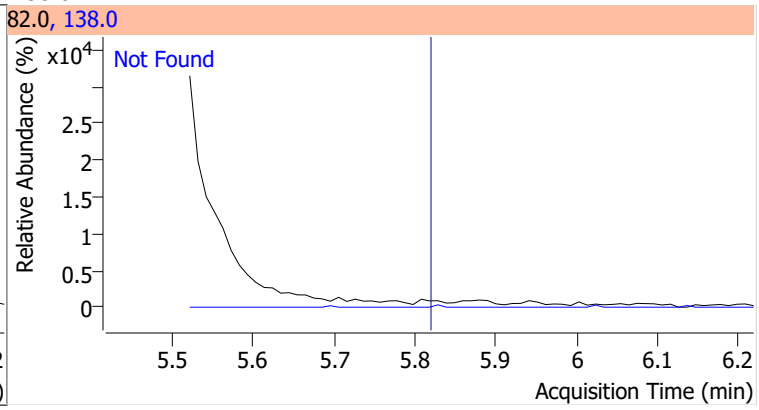
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



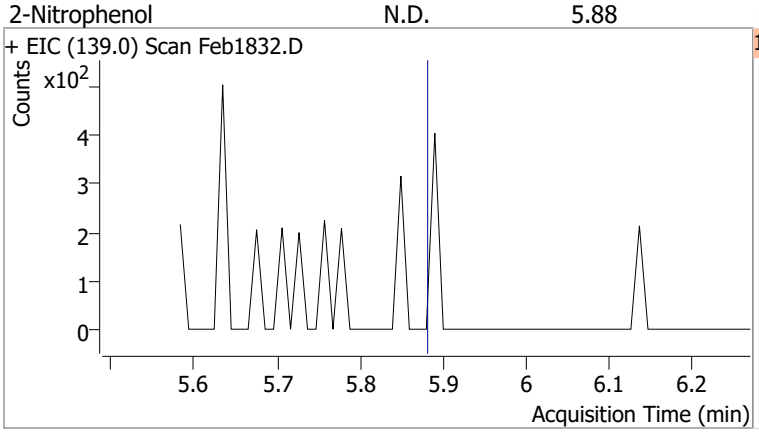


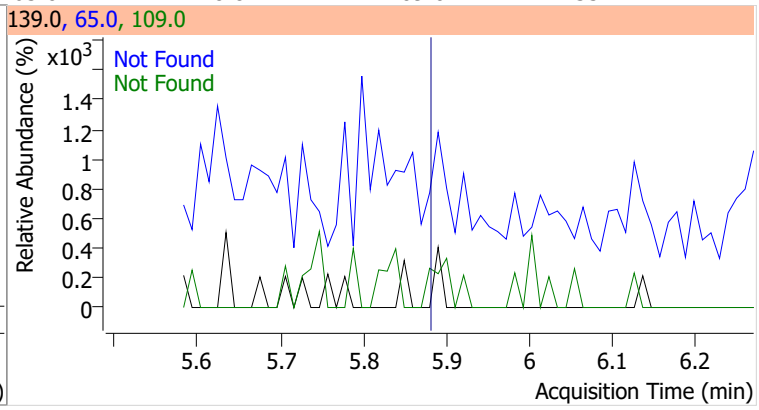
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



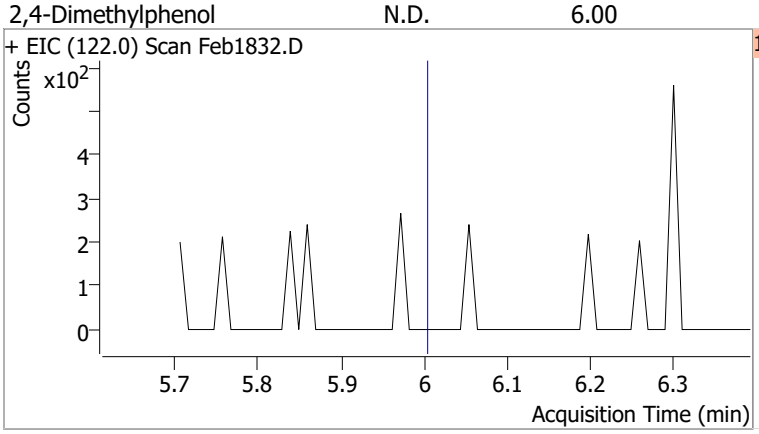


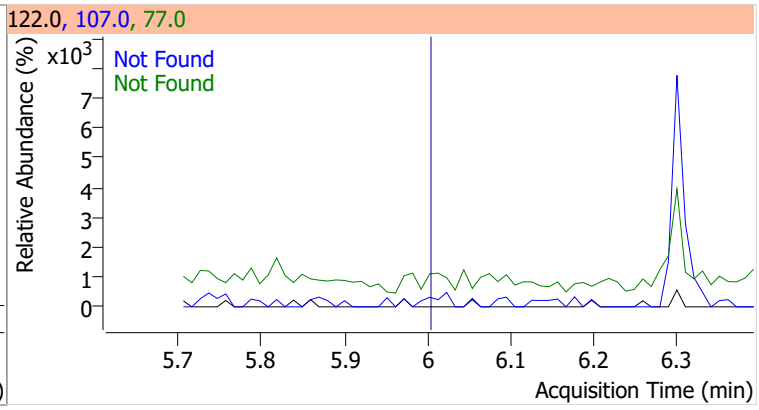
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



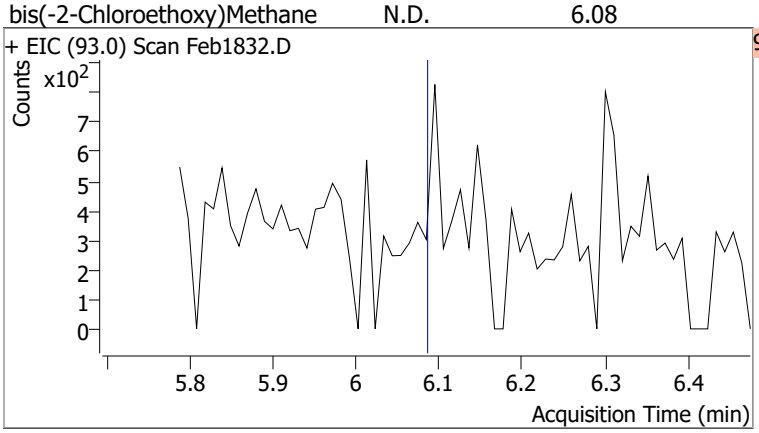


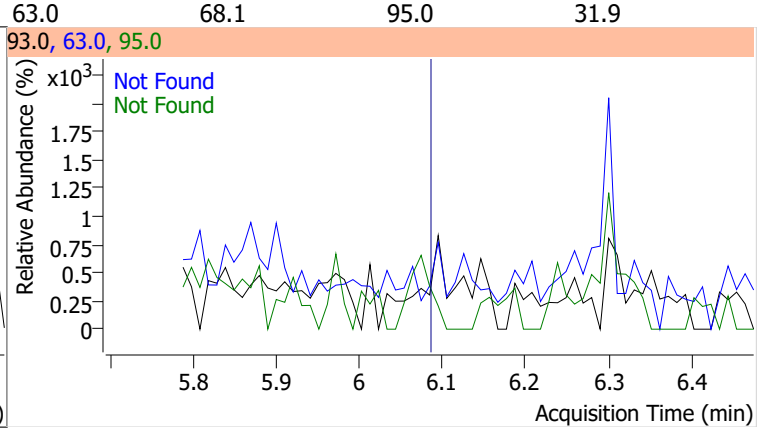
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



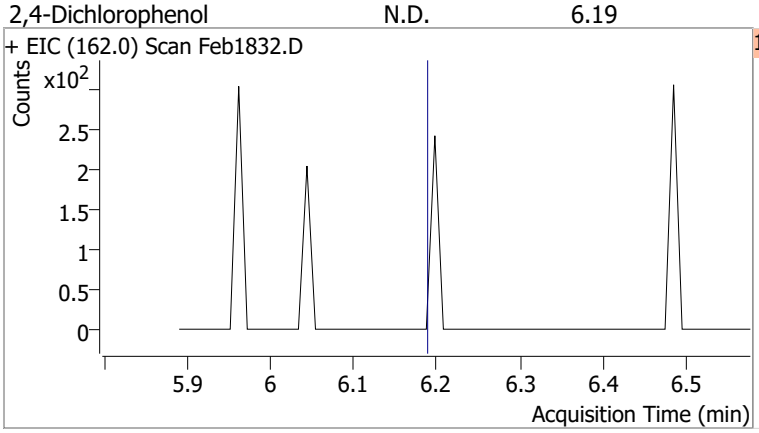


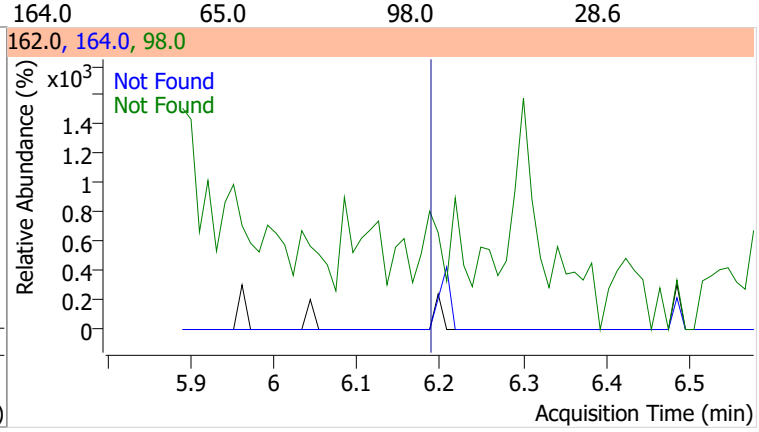
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



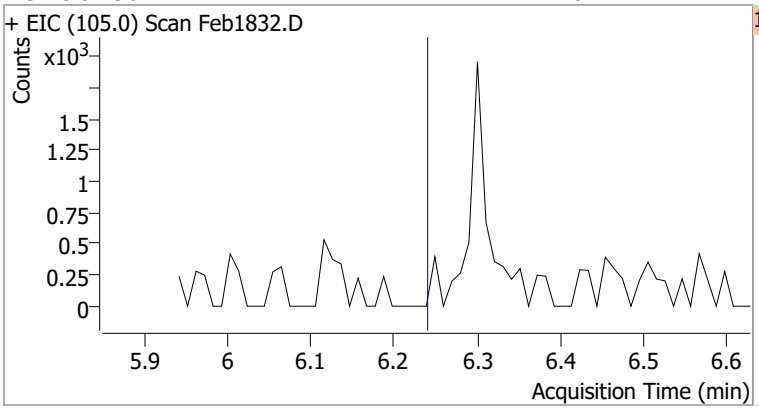


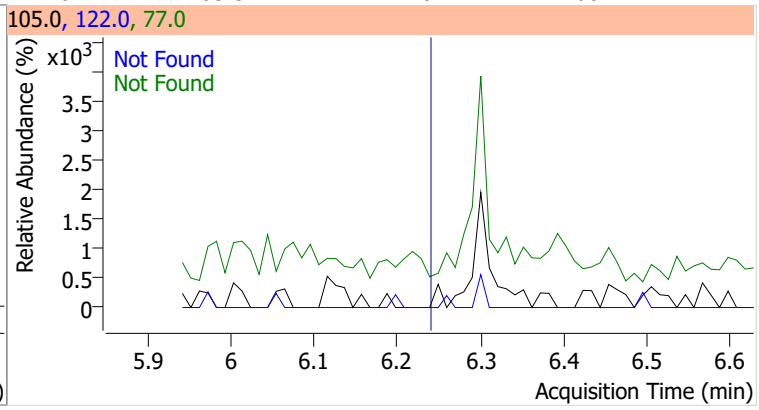
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



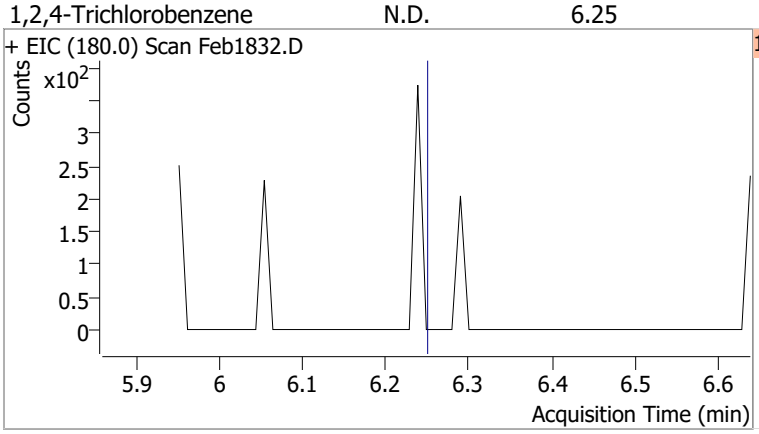


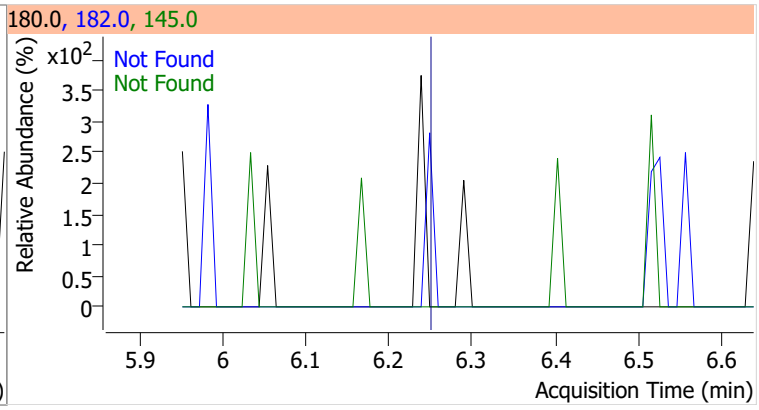
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



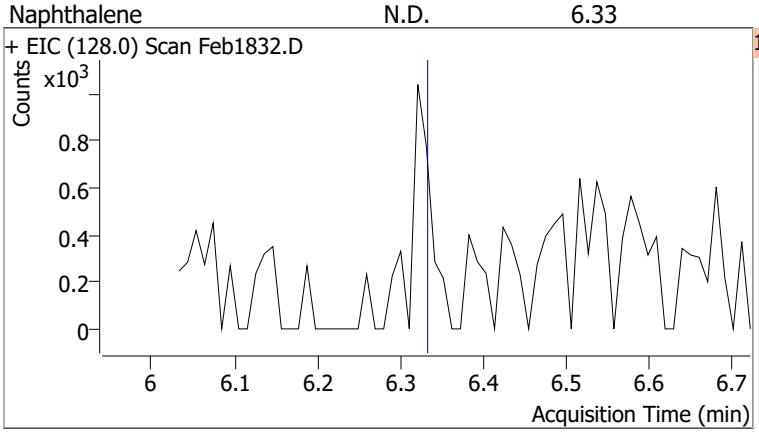


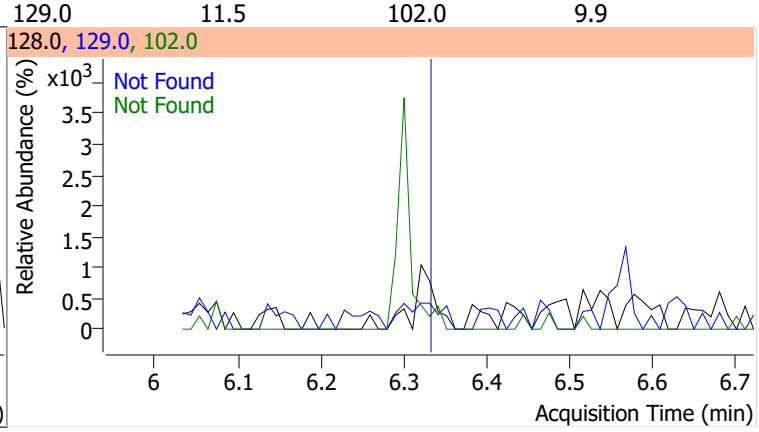
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



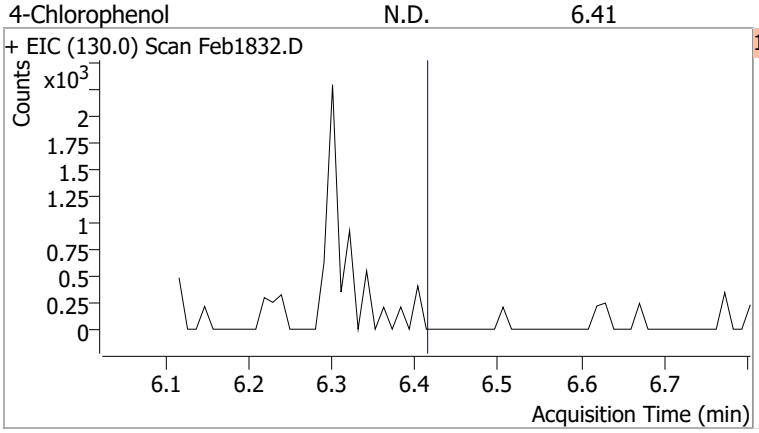


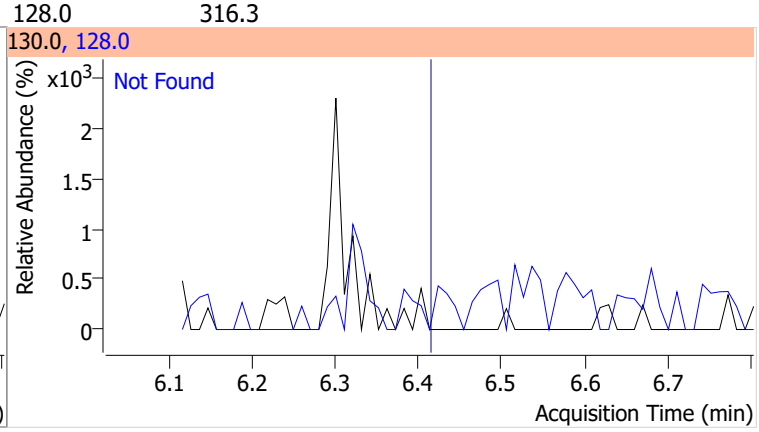
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



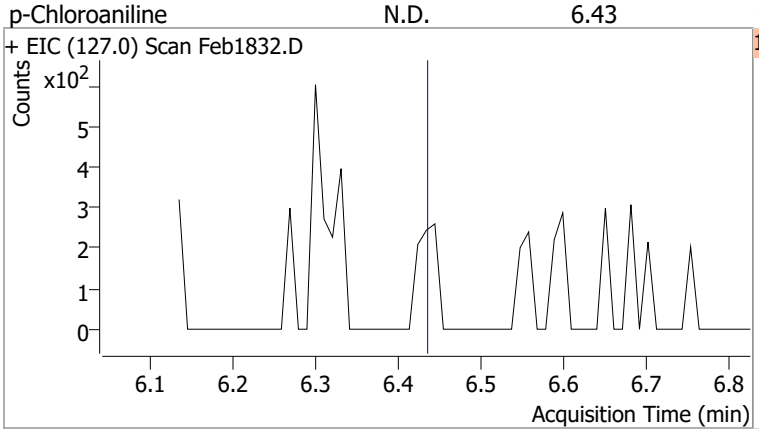


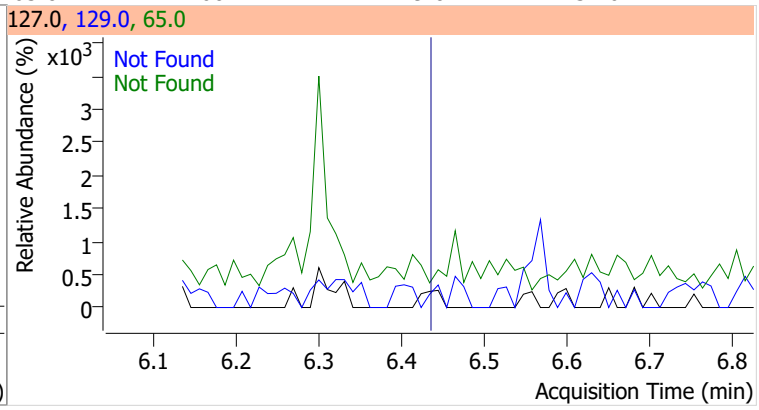
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorophenol	N.D.	6.41	128.0	316.3



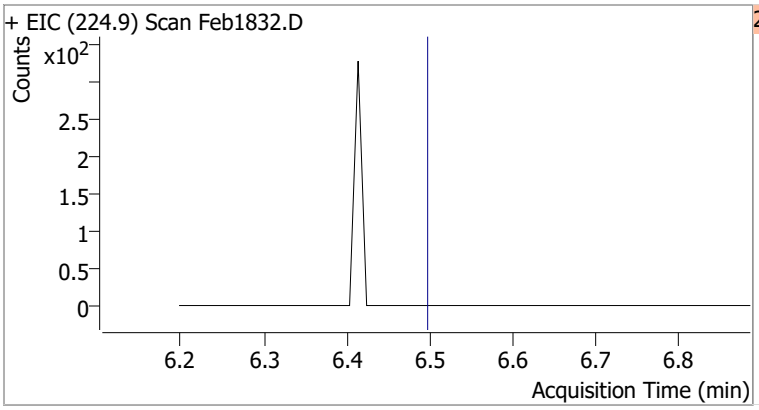


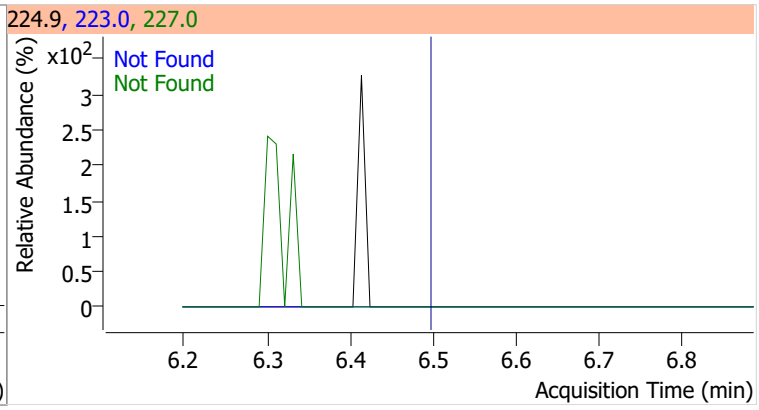
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



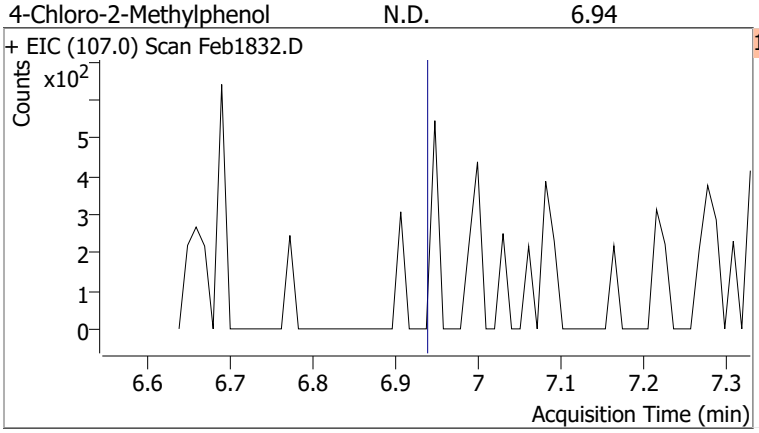


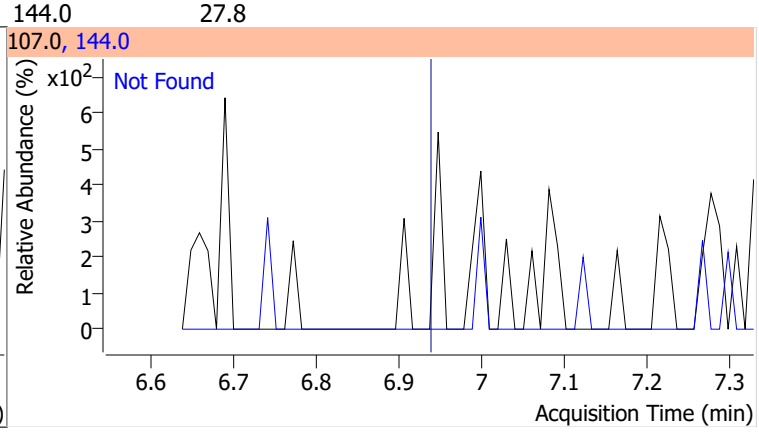
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



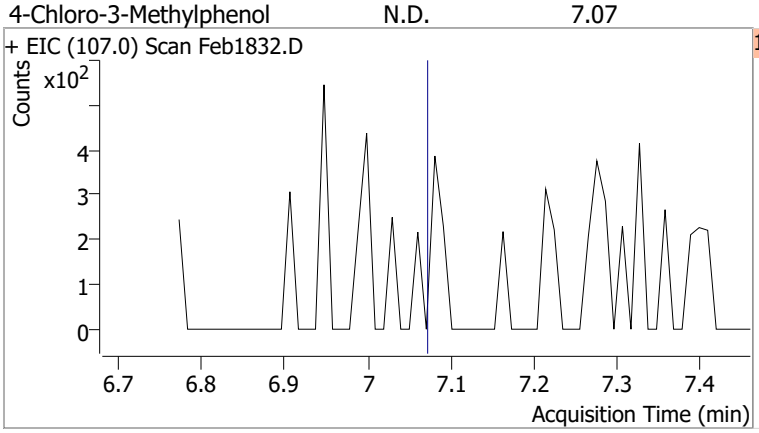


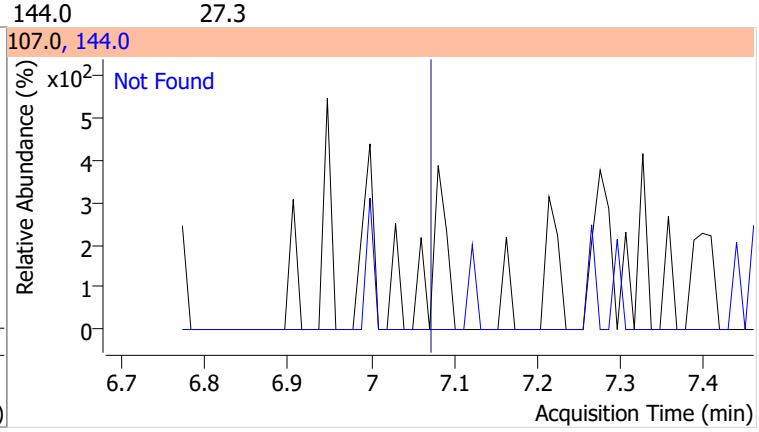
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



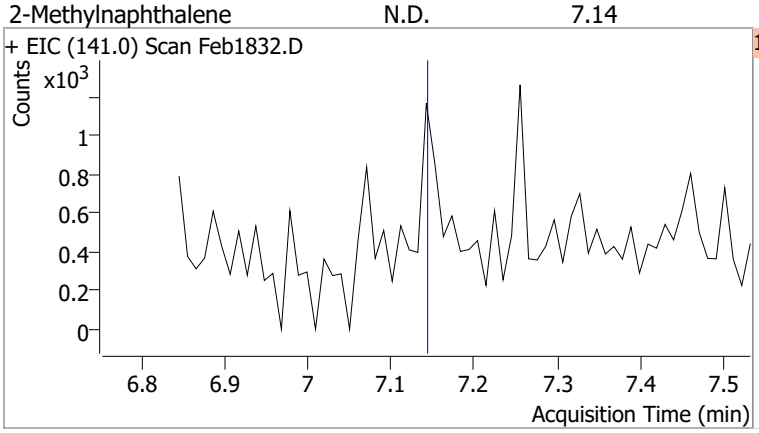


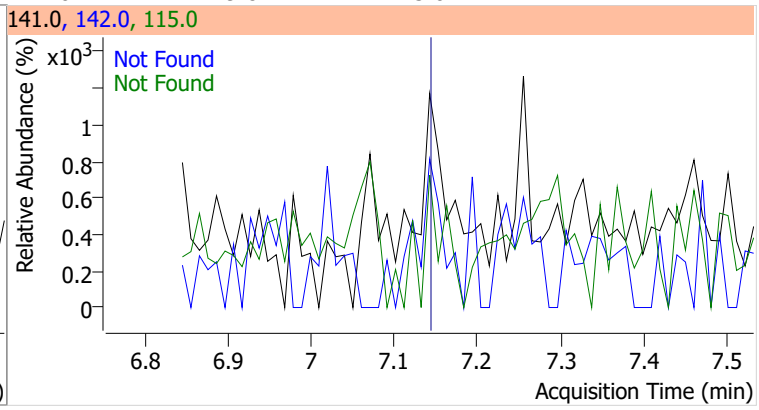
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



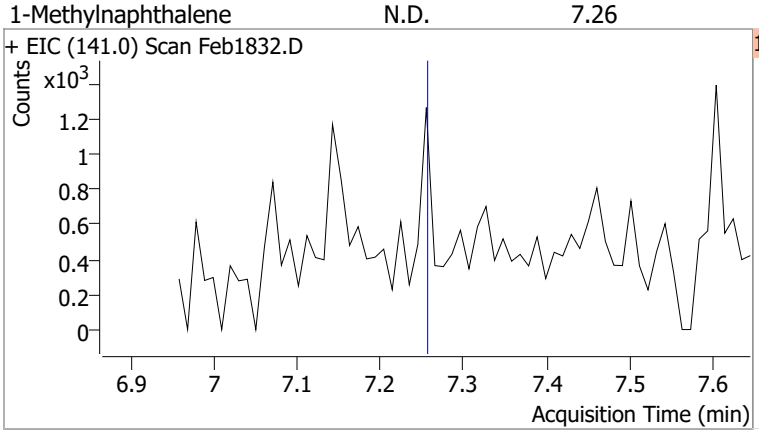


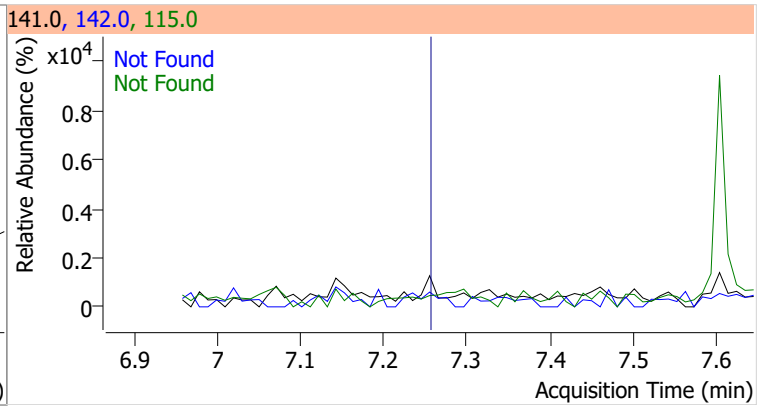
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



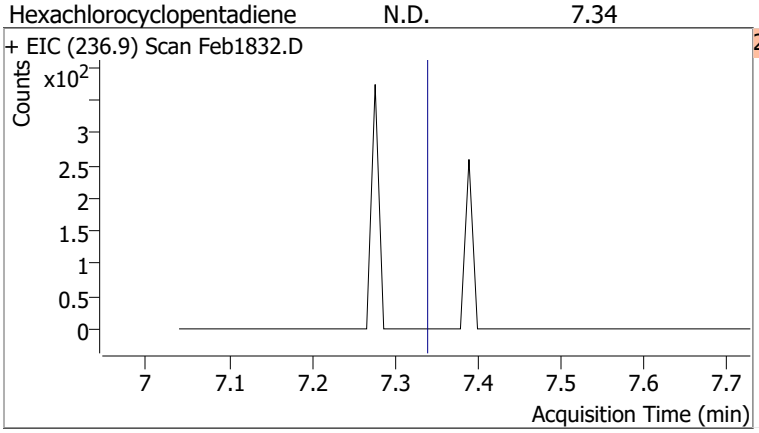


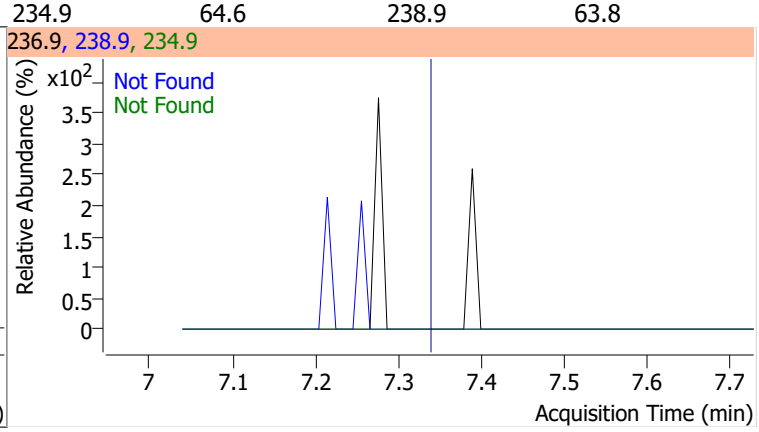
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



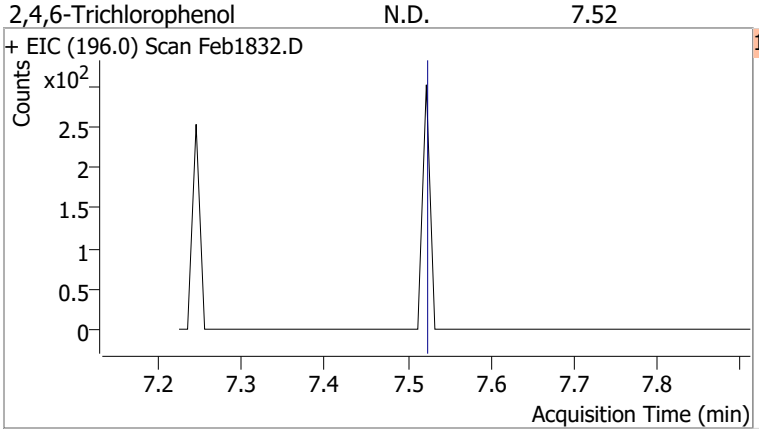


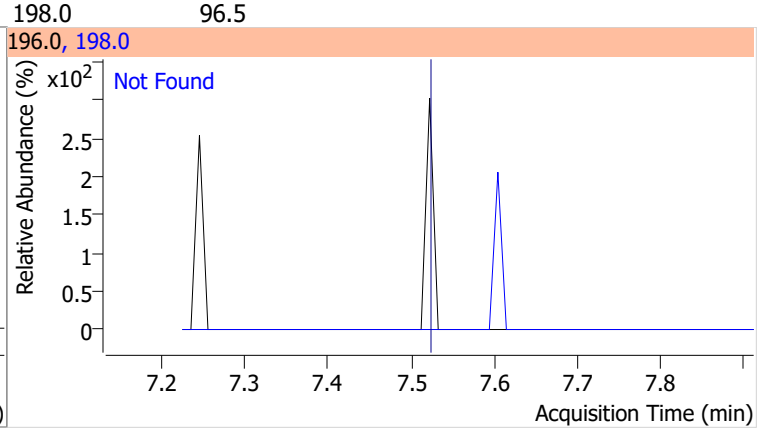
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



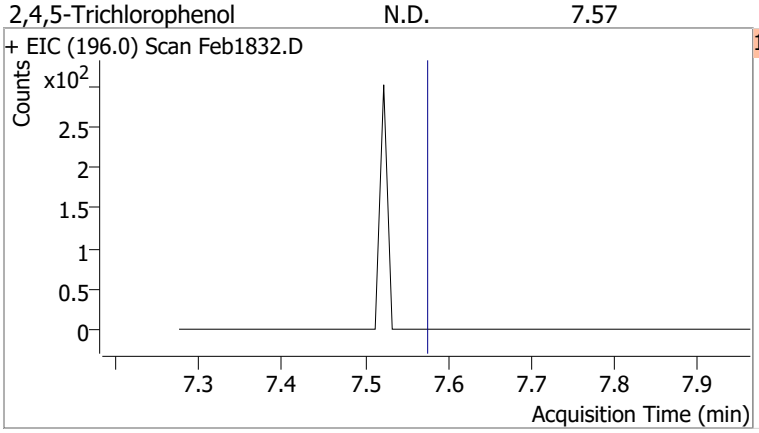


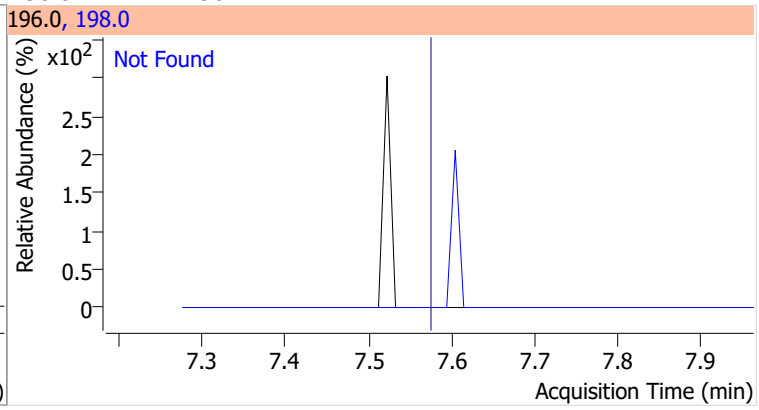
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



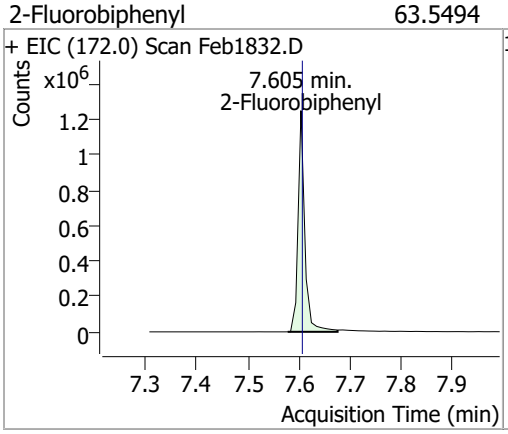


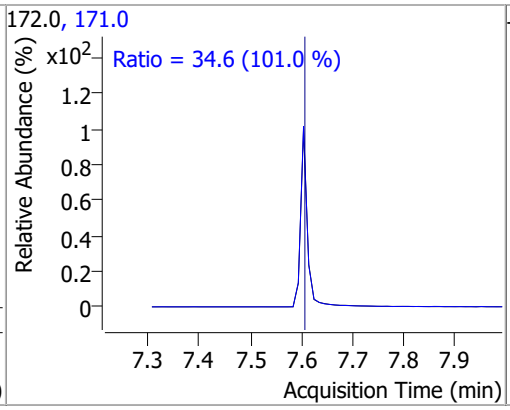
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

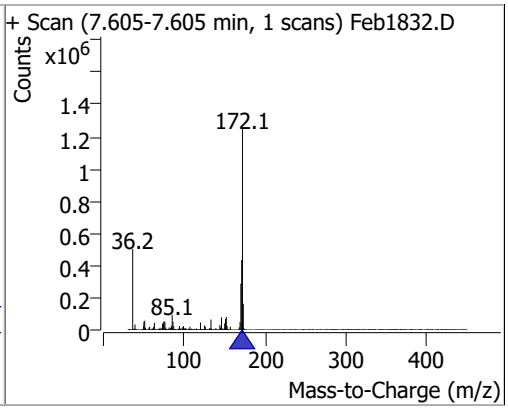




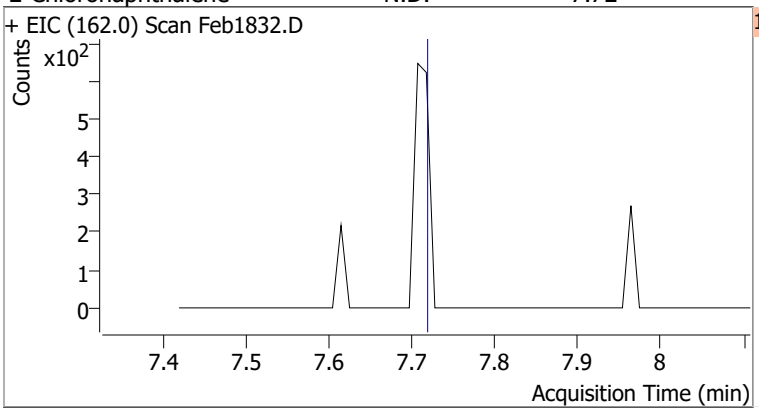
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	63.5494	7.60	0.00	1140945	171.0	34.6	24.0	44.5

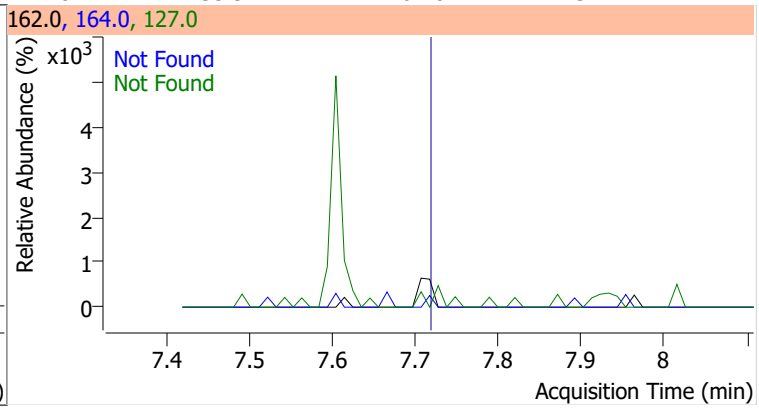




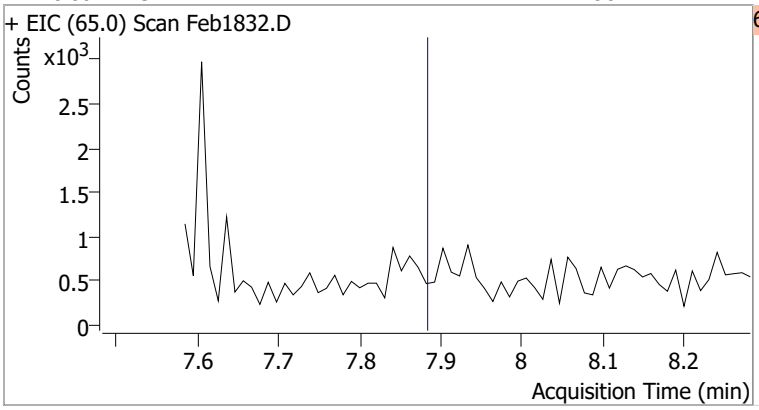


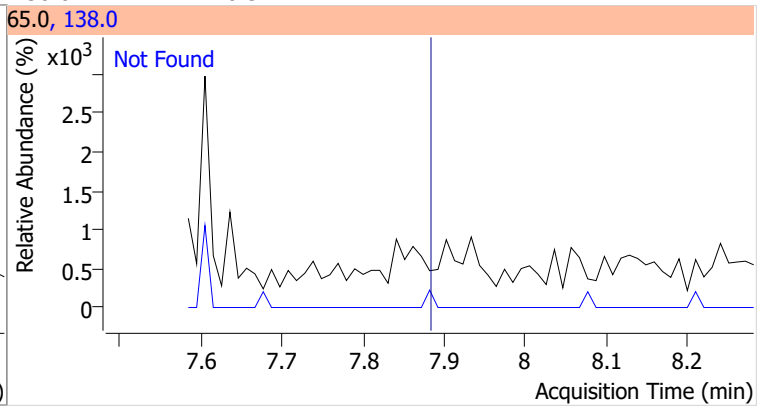
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



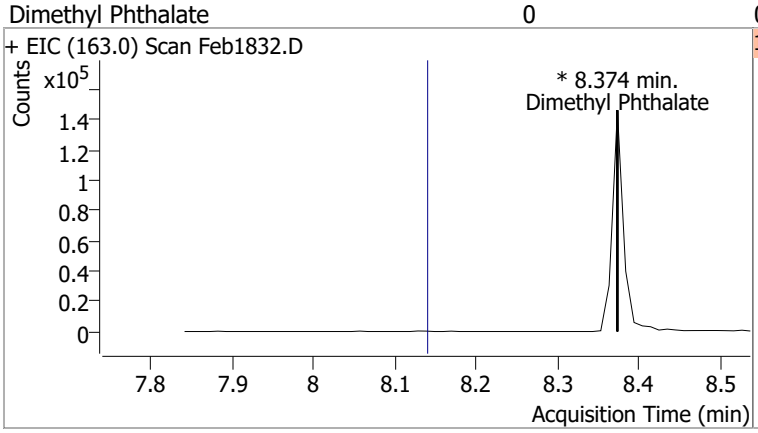


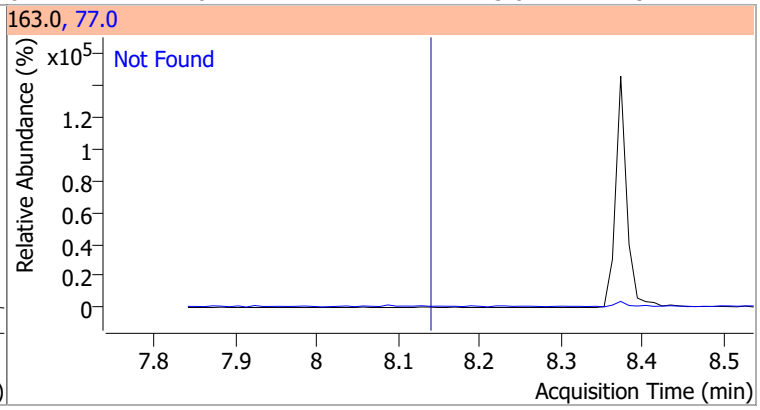
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



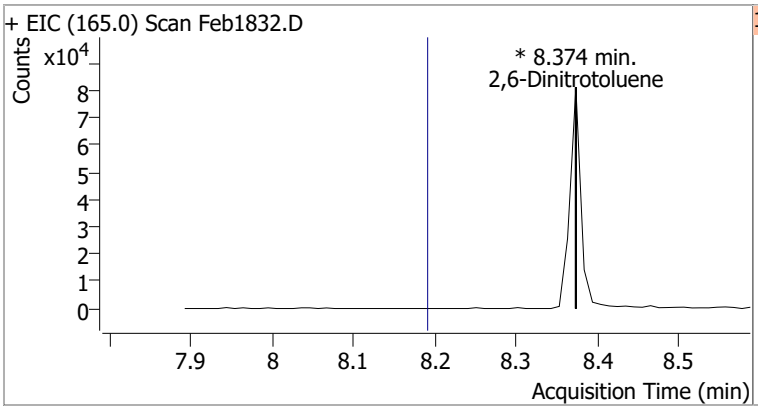


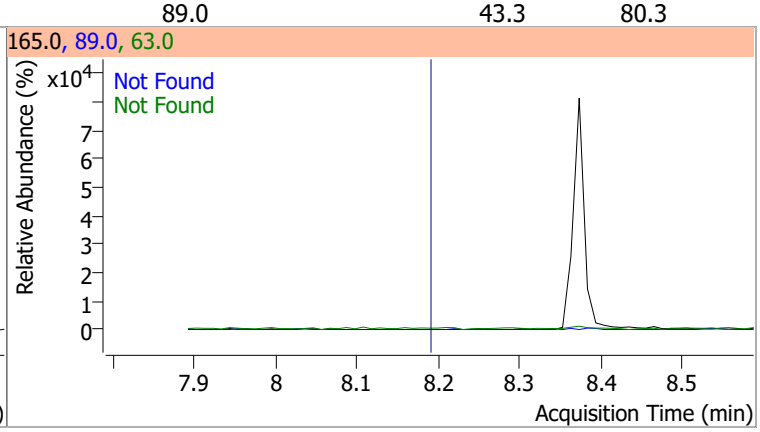
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



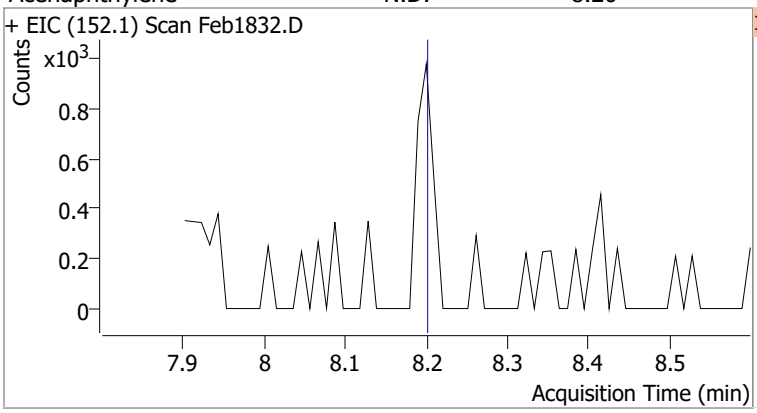


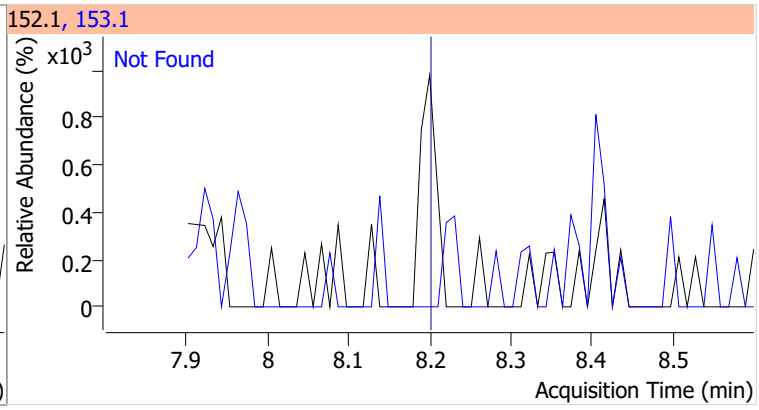
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



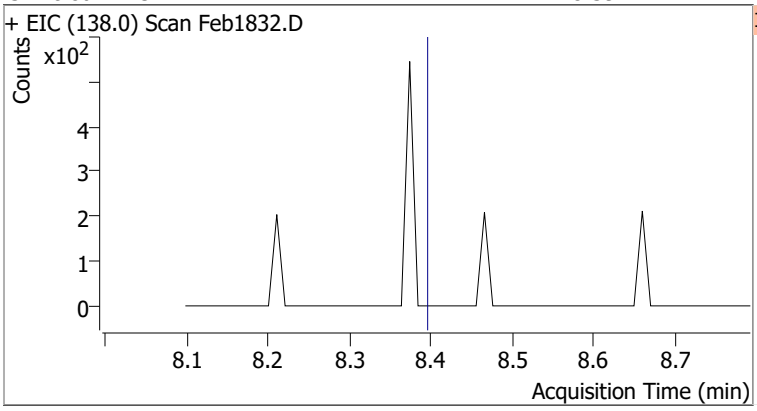


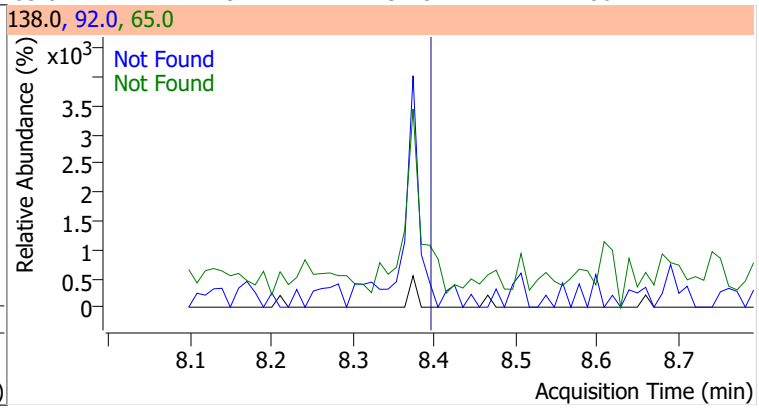
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



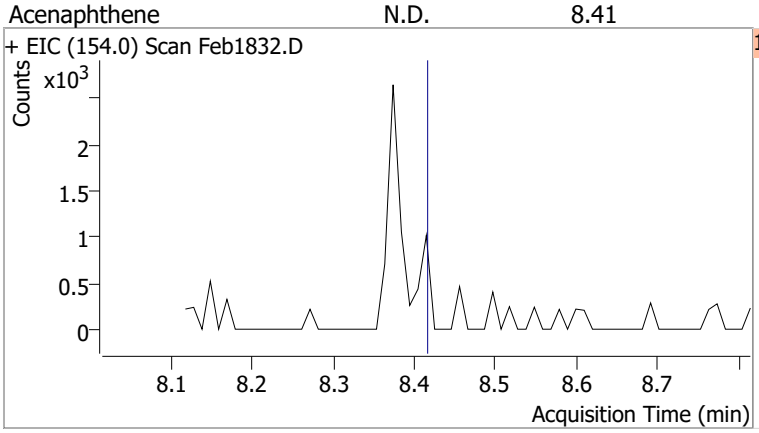


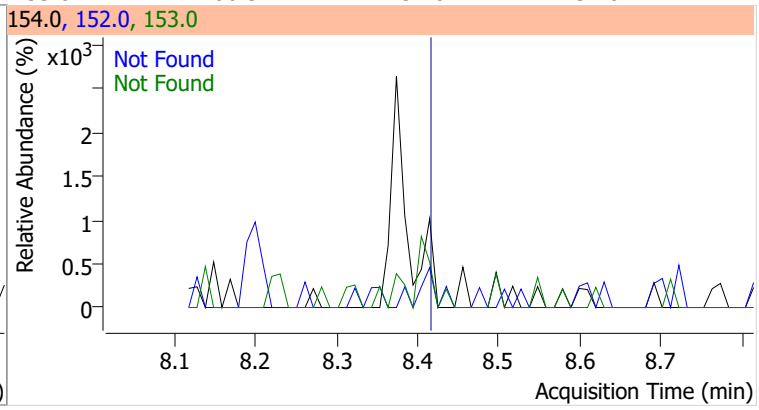
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



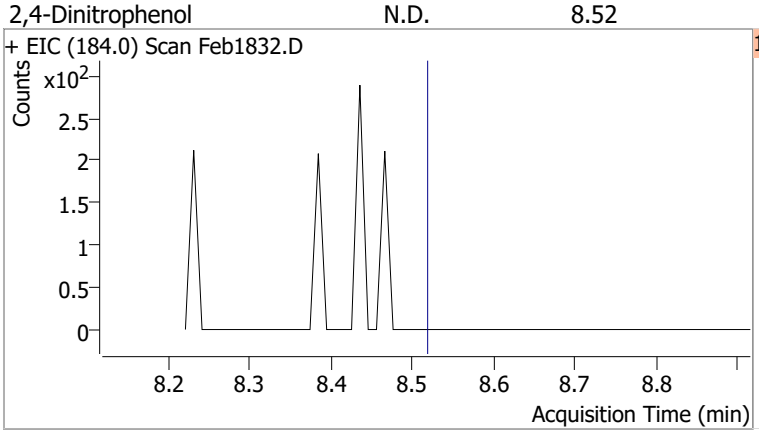


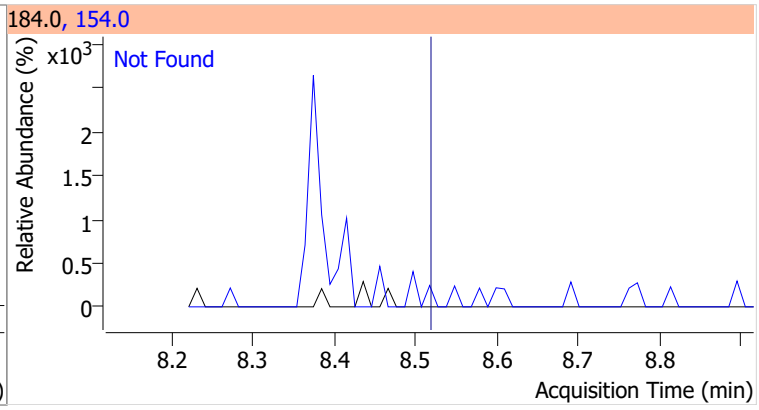
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



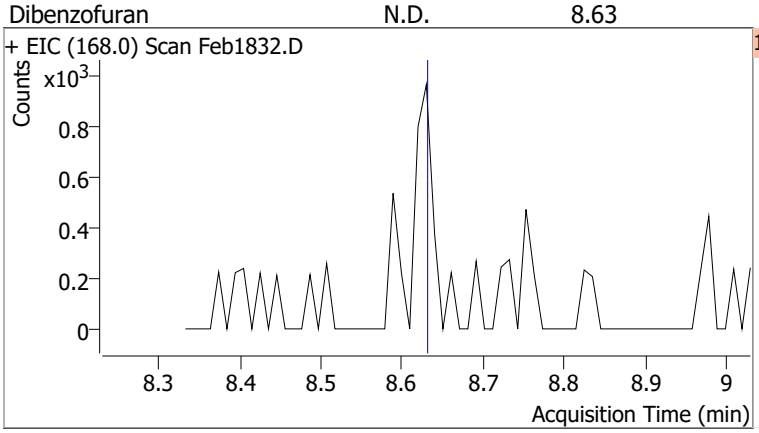


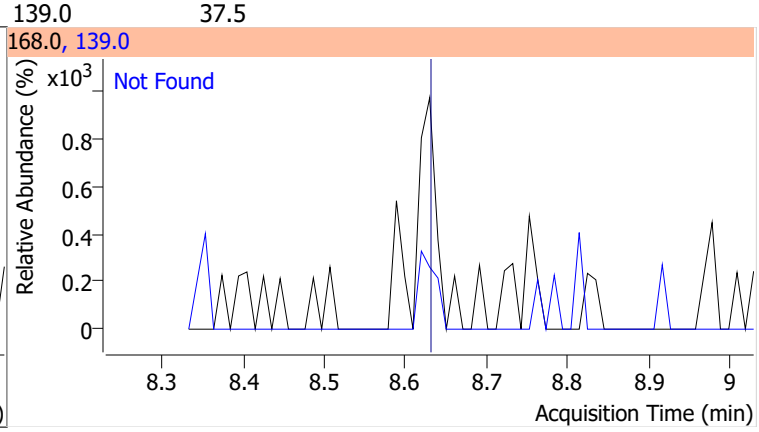
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



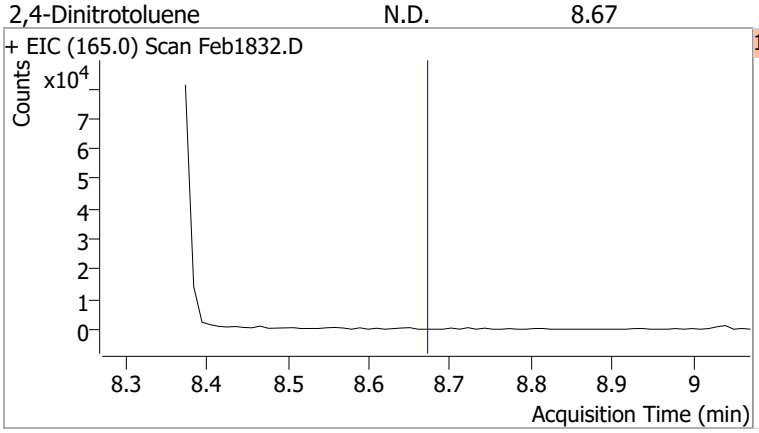


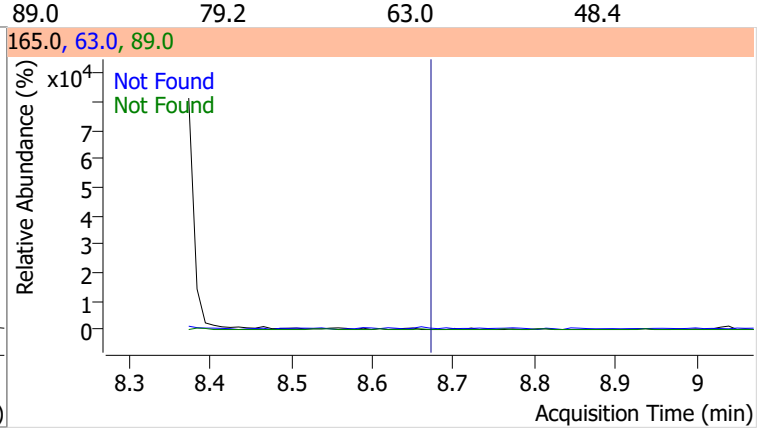
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



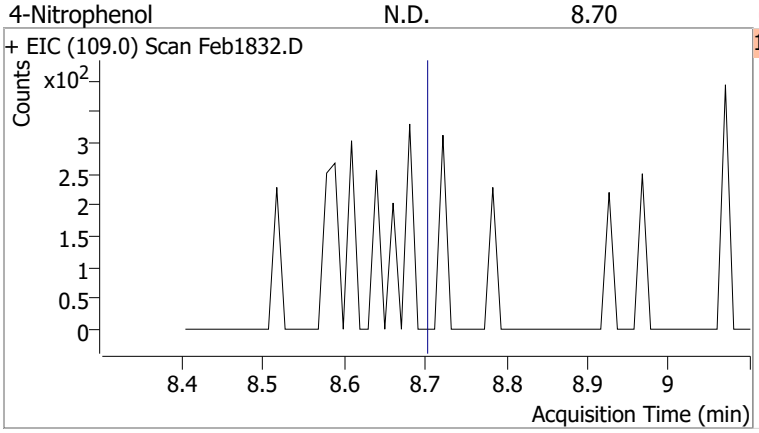


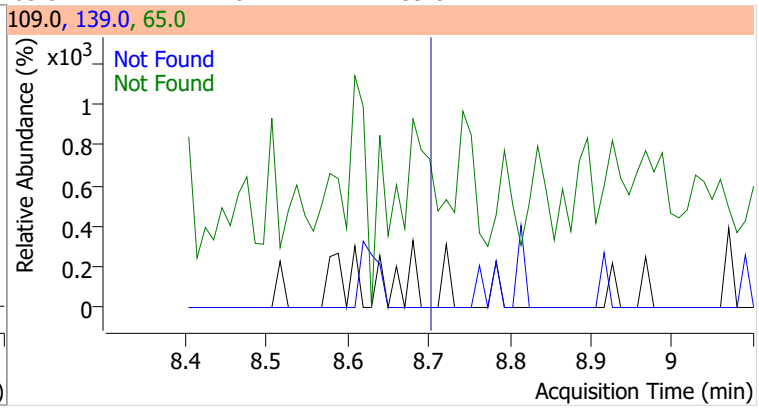
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



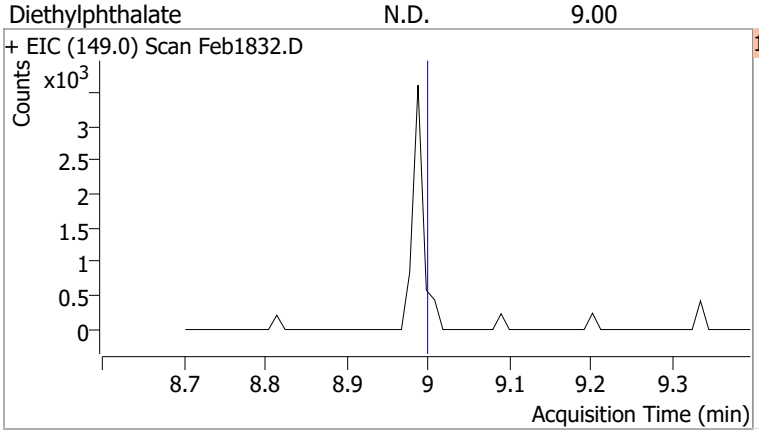


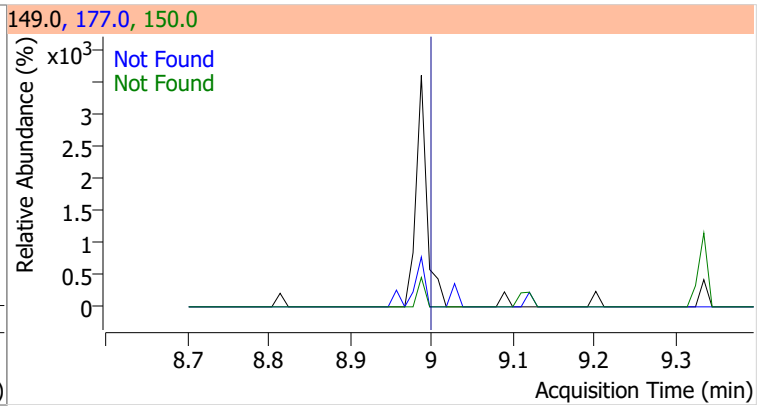
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



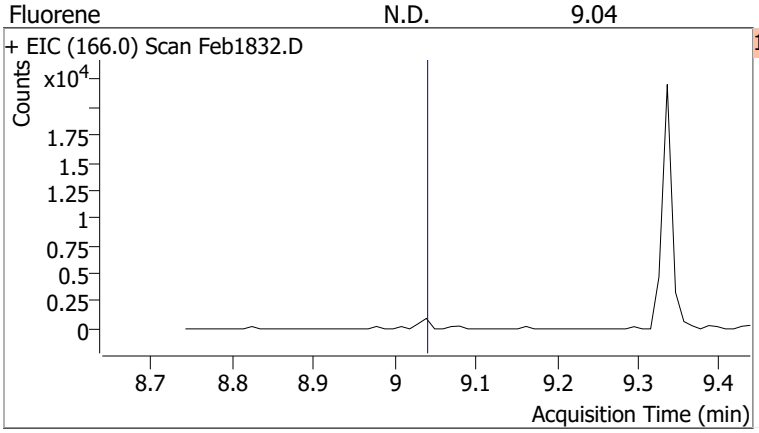


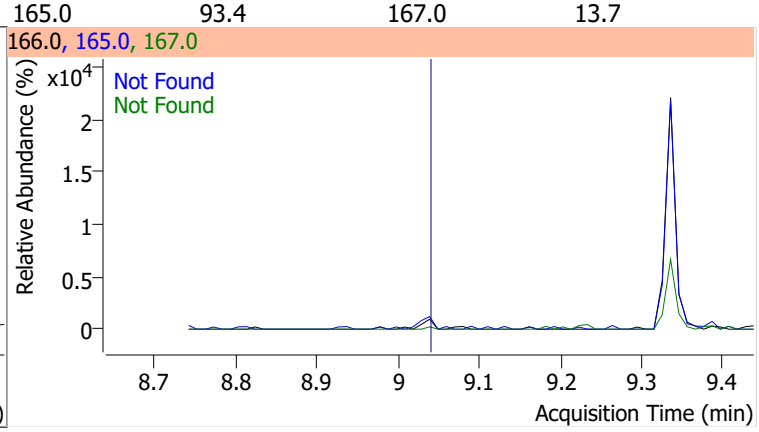
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



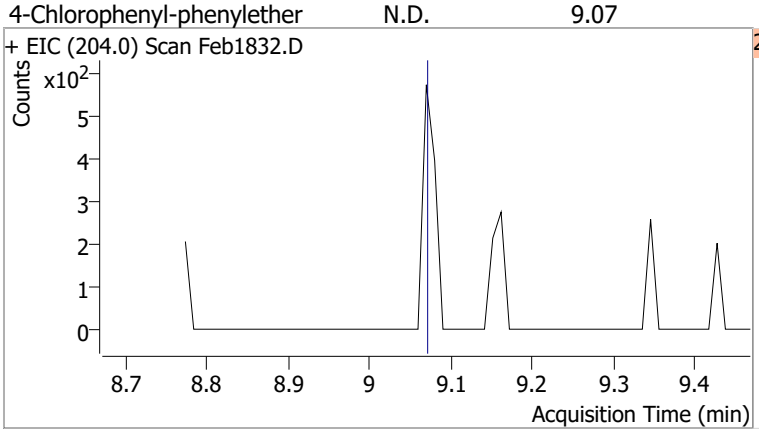


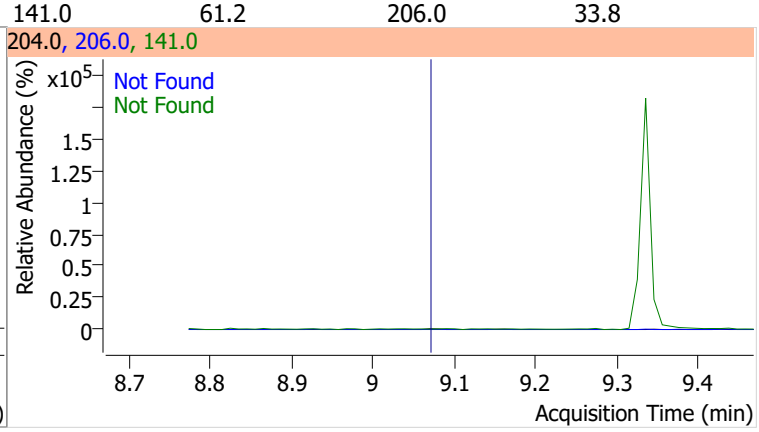
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



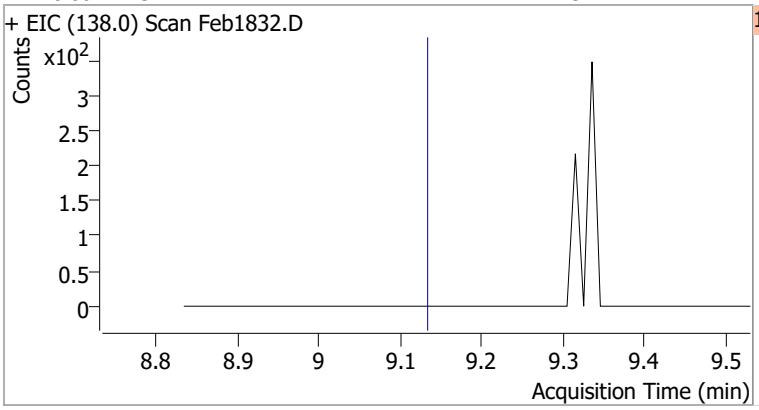


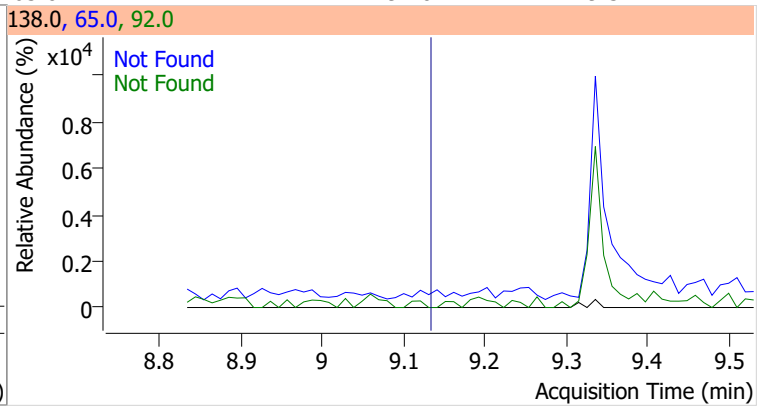
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



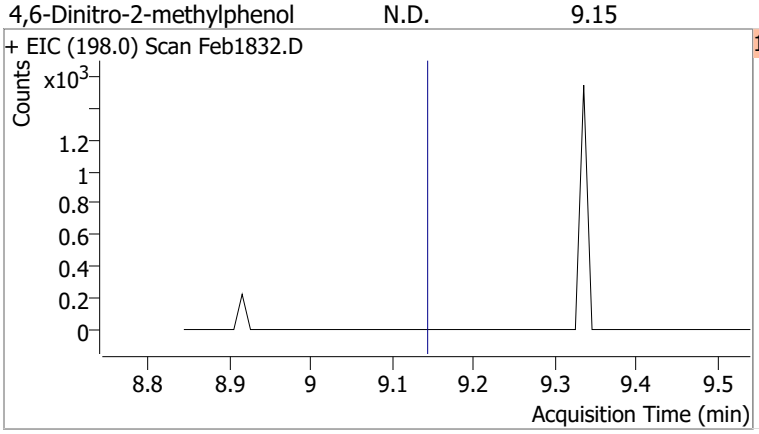


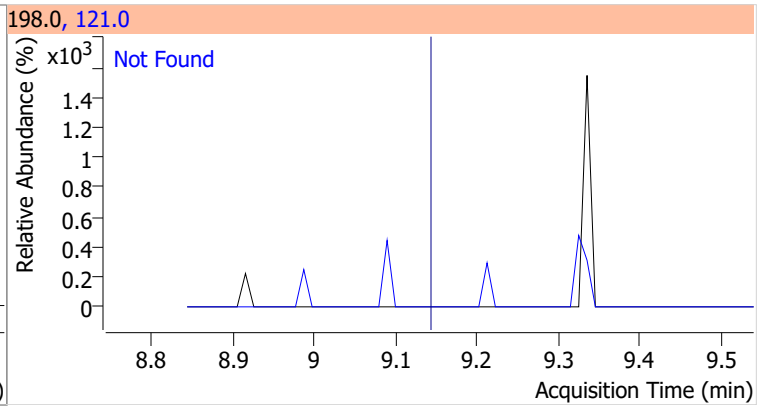
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



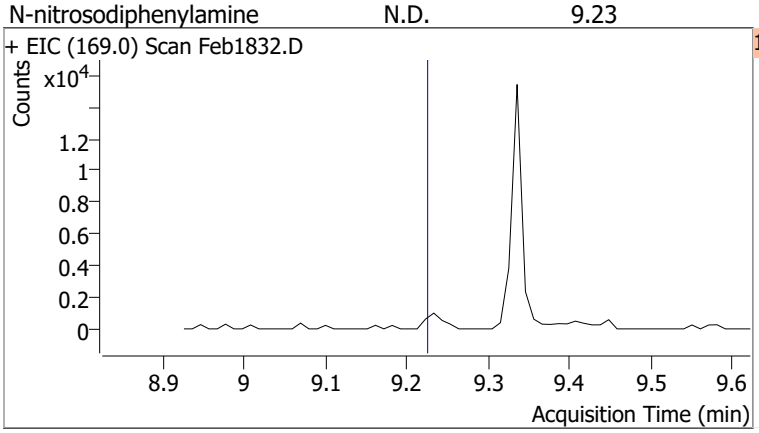


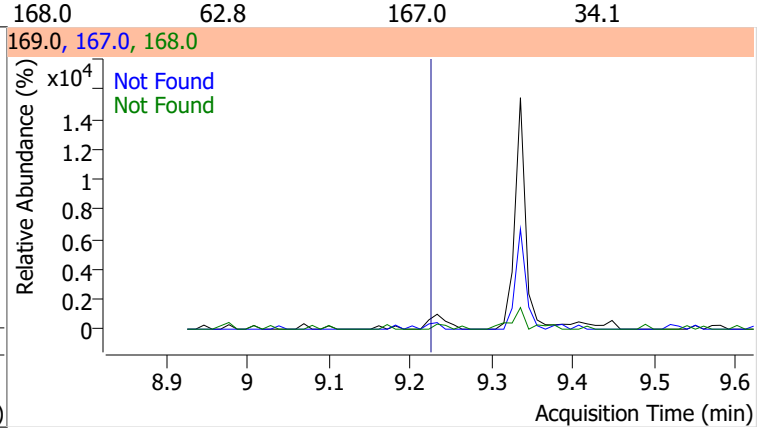
Compound	Conc.	Exp RT	QIon	Exp Ratio
4,6-Dinitro-2-methylphenol	N.D.	9.15	121.0	50.2



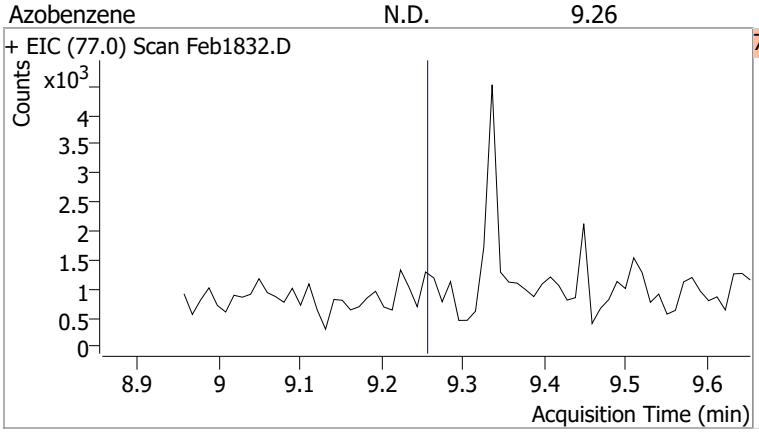


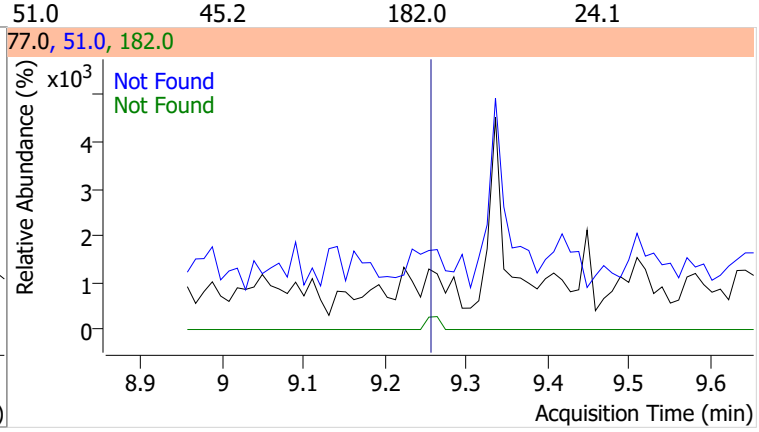
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1





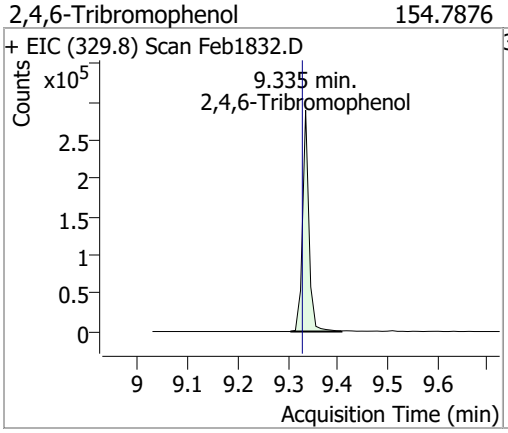
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

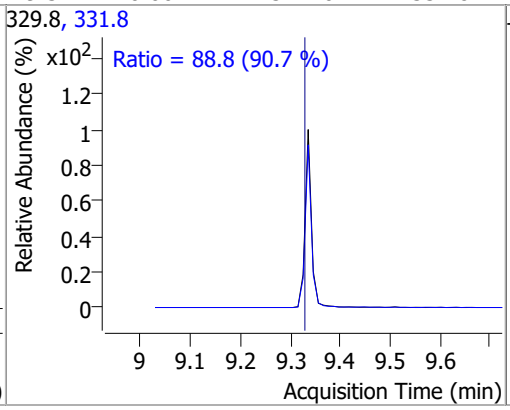


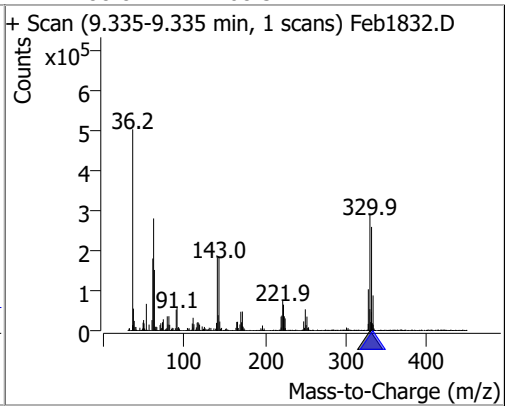


Quantitation Results Report (QT Reviewed)

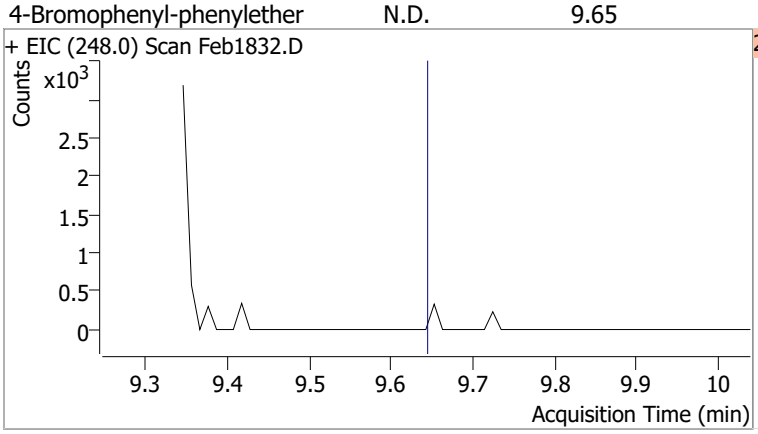
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	154.7876	9.34	0.00	257710	331.8	88.8	68.5	127.2

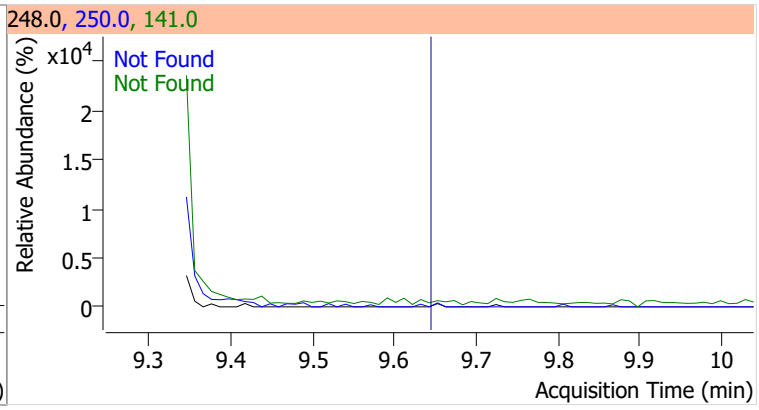




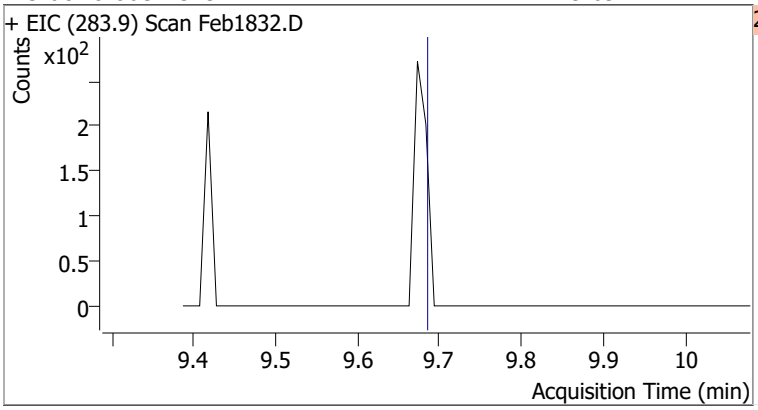


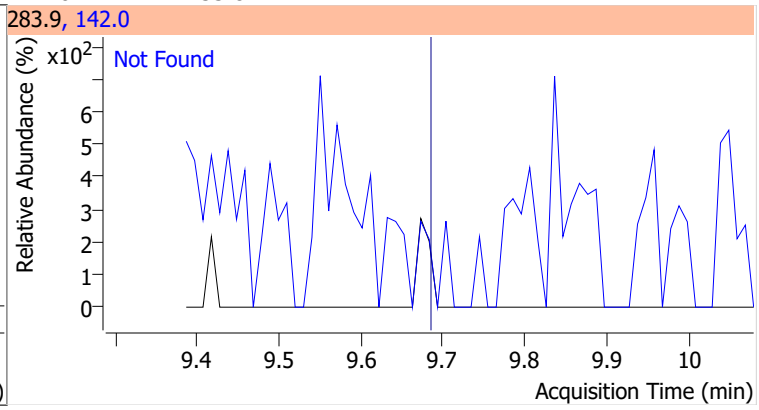
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



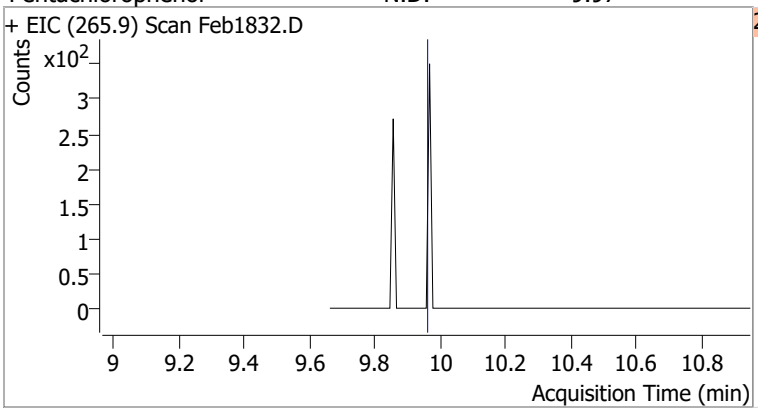


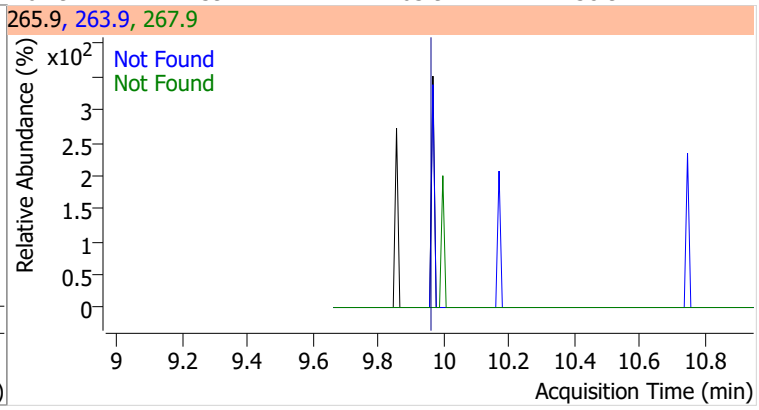
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



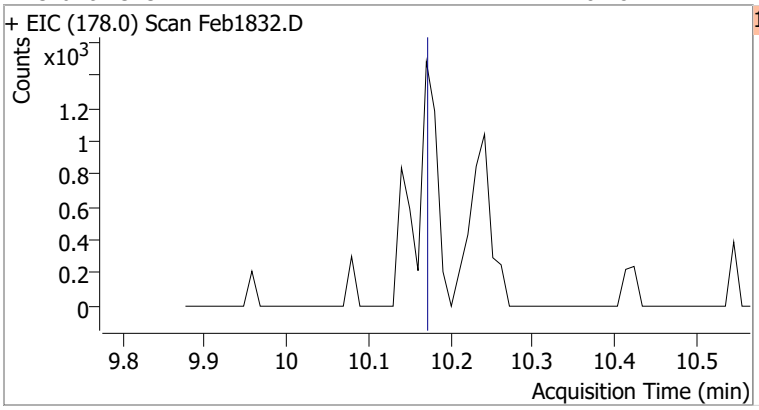


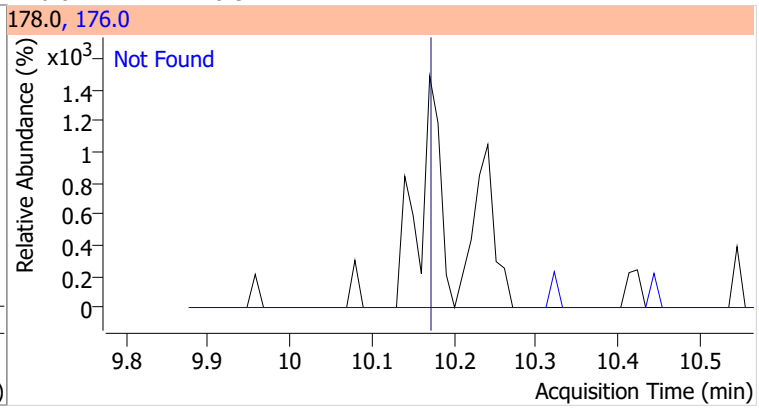
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



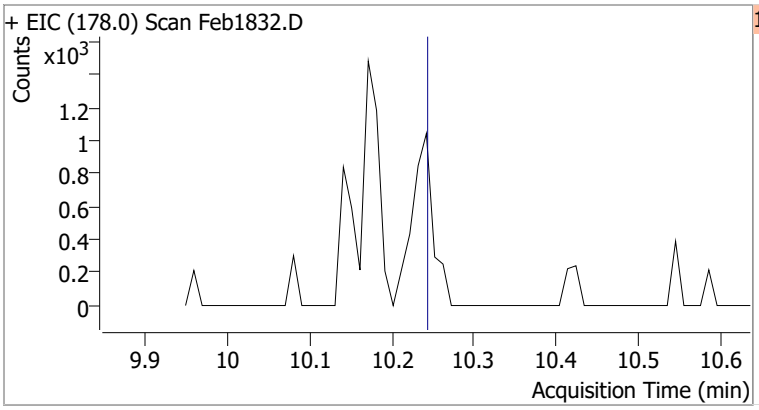


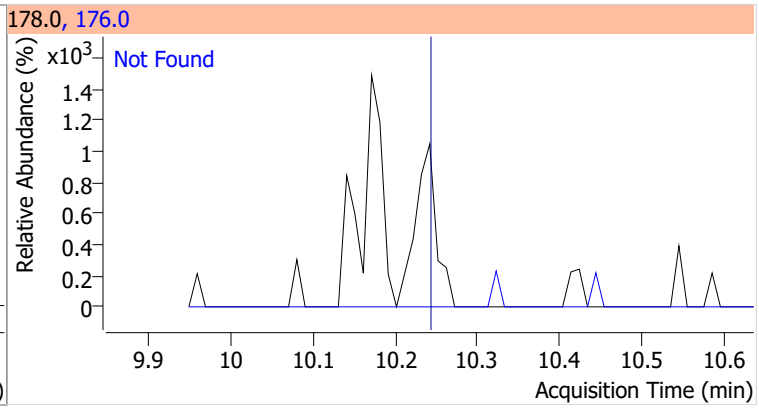
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



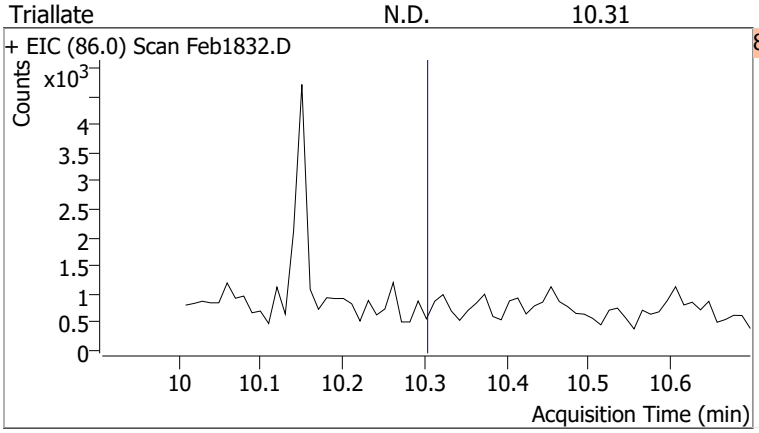


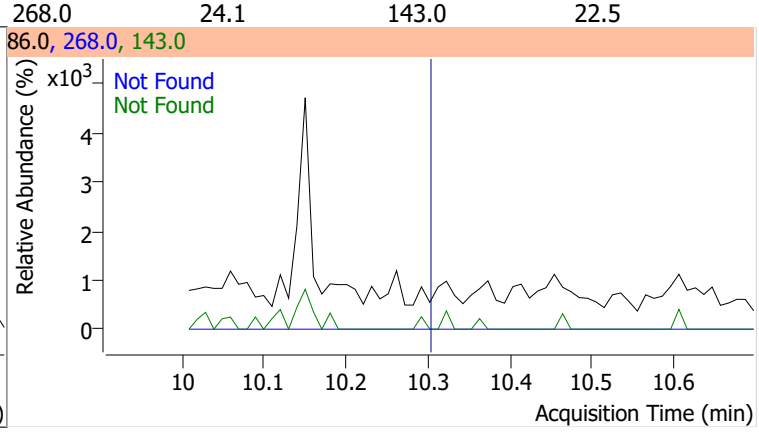
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



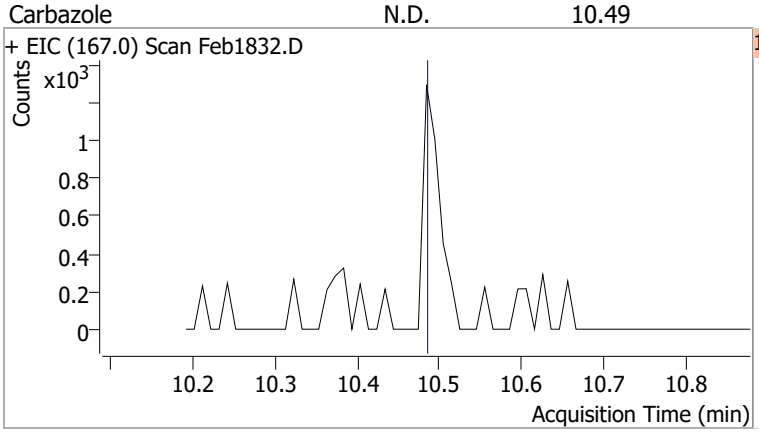


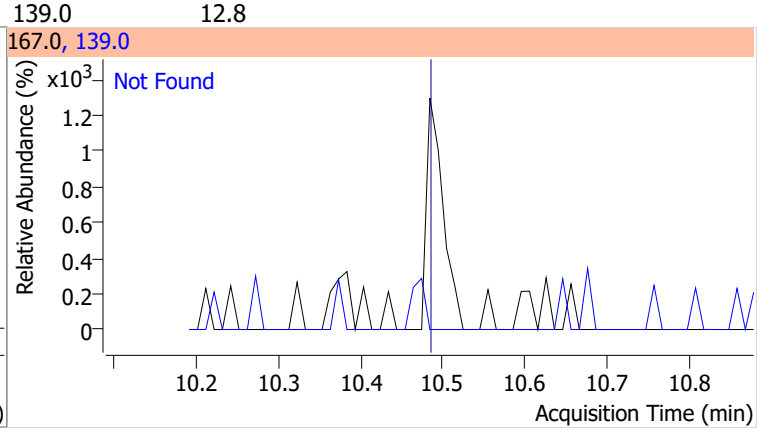
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



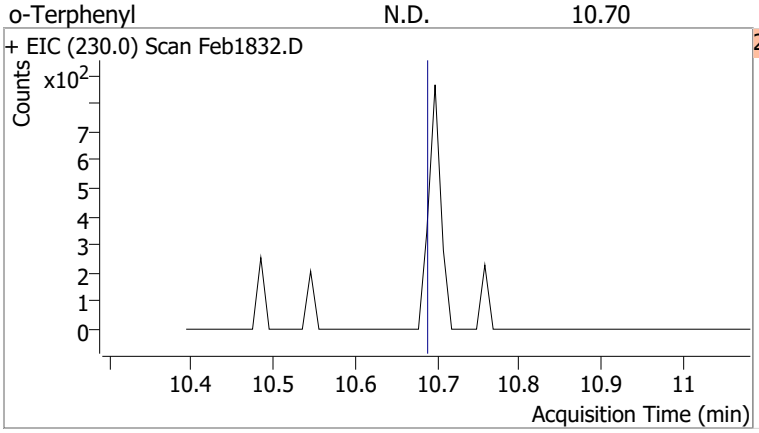


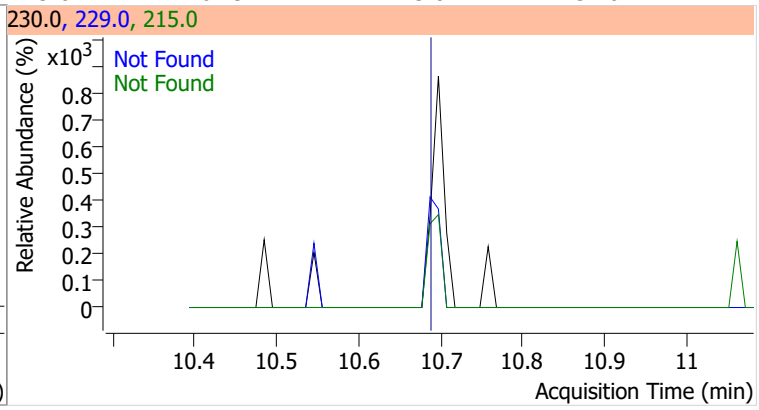
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



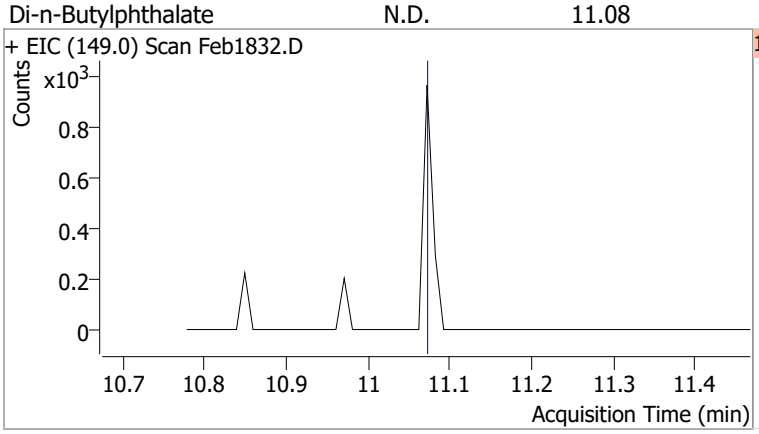


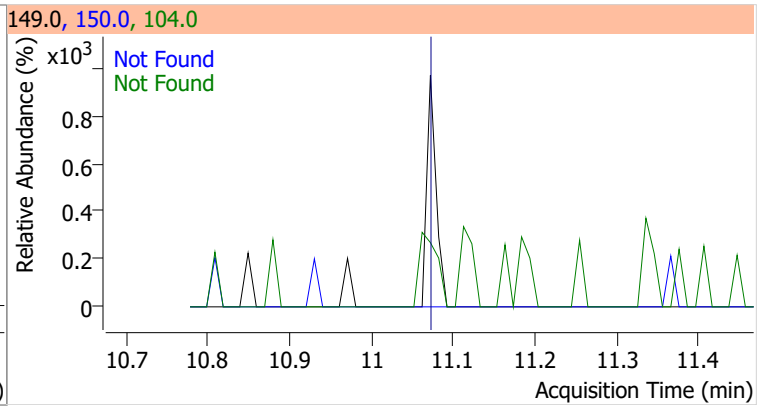
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



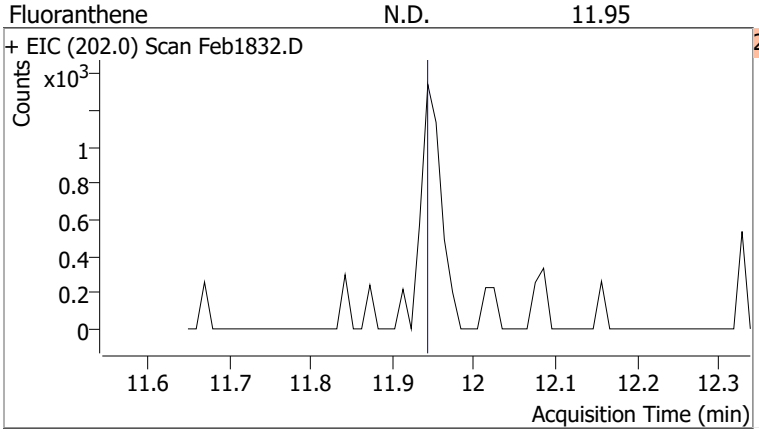


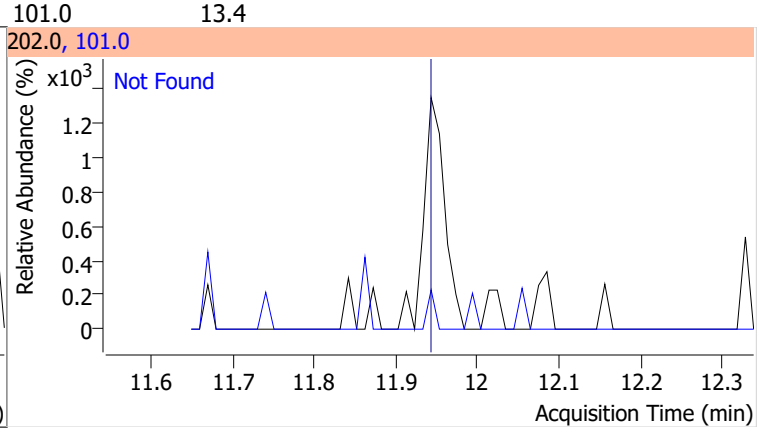
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



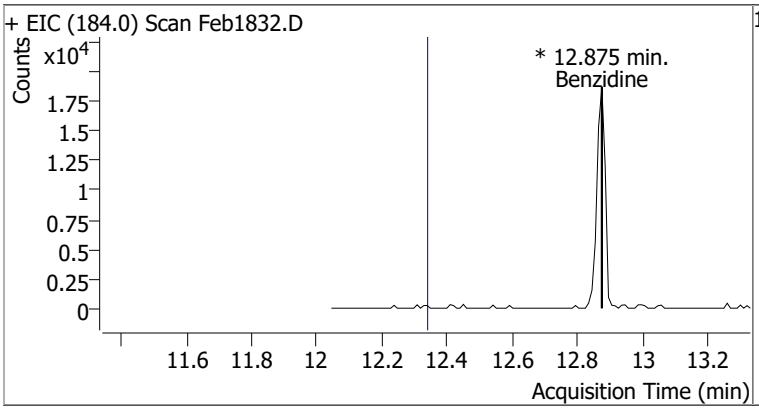


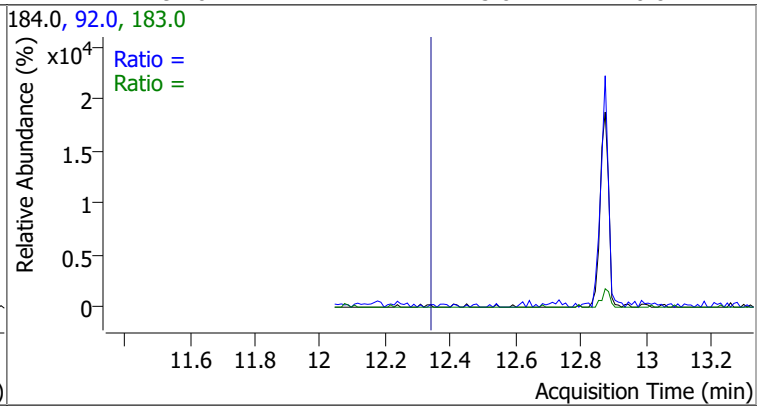
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



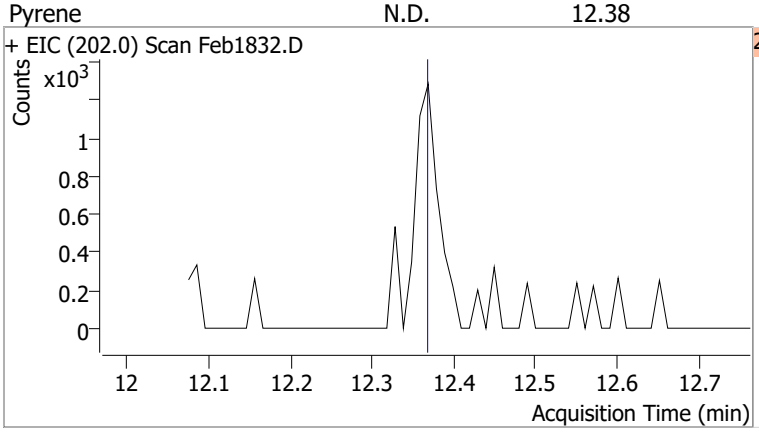


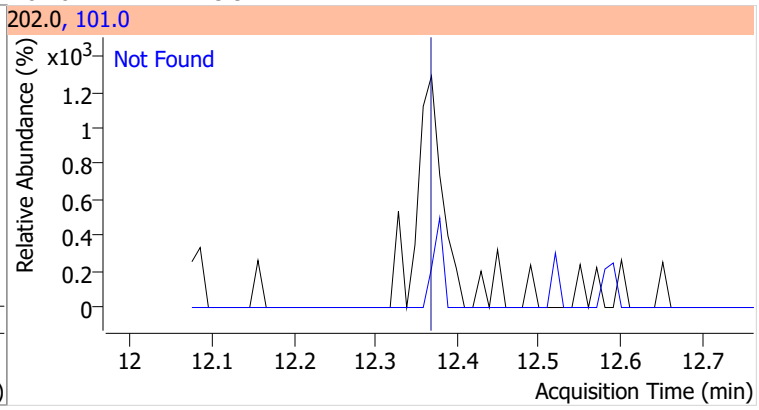
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



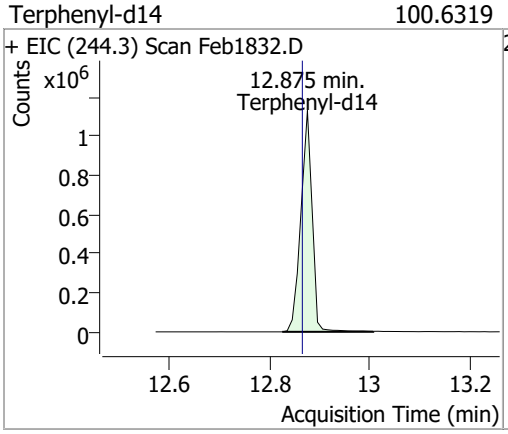


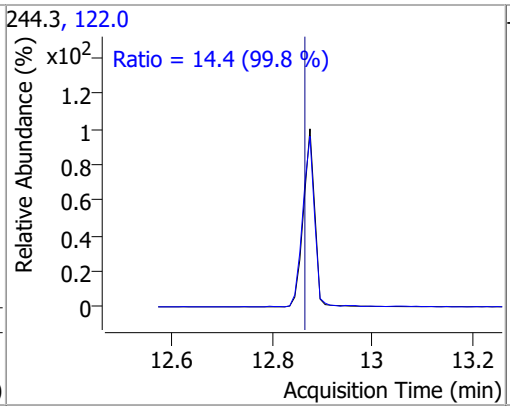
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

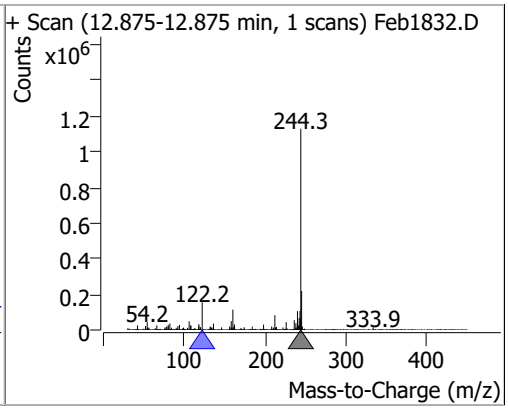




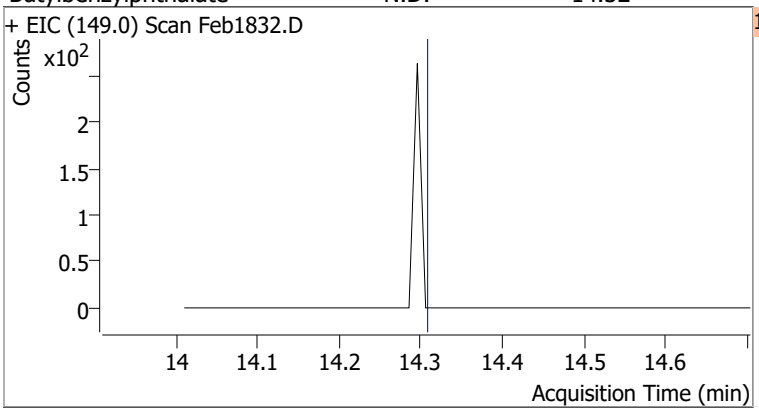
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	100.6319	12.88	0.00	1778758	122.0	14.4	10.1	18.7

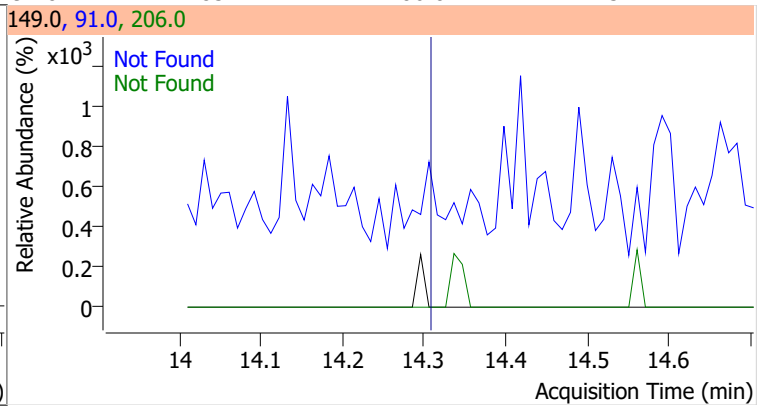




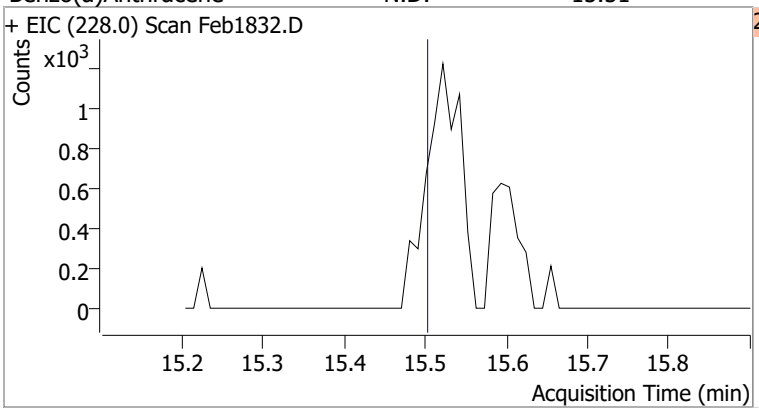


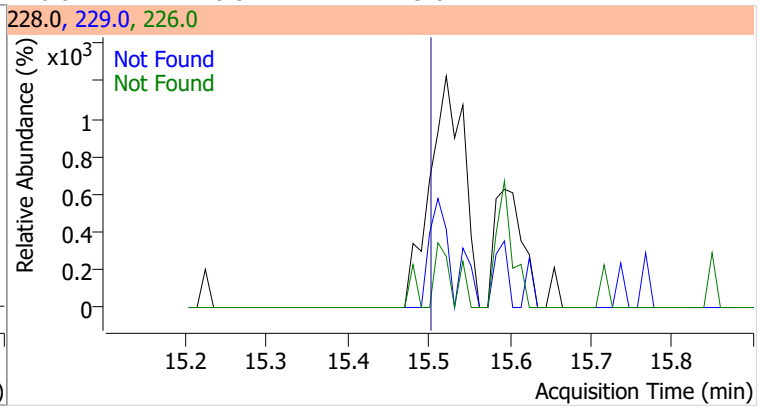
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



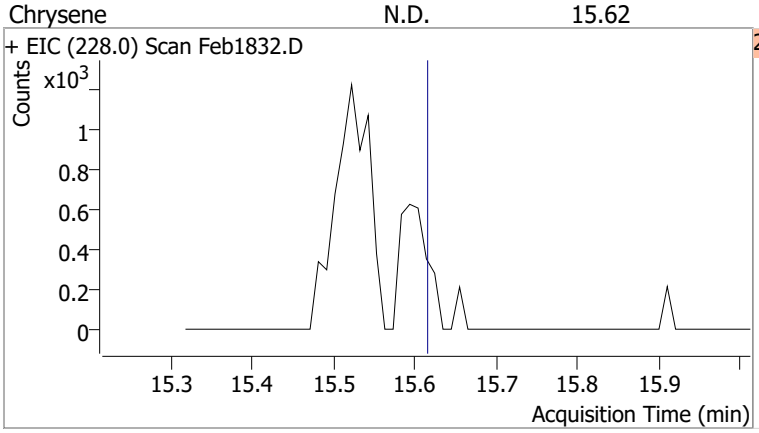


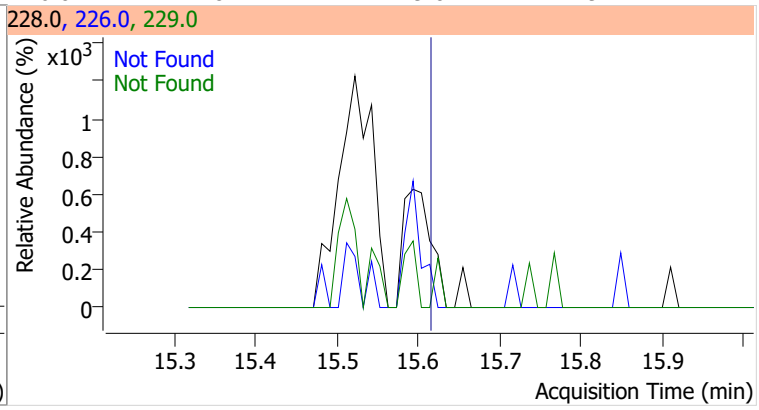
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



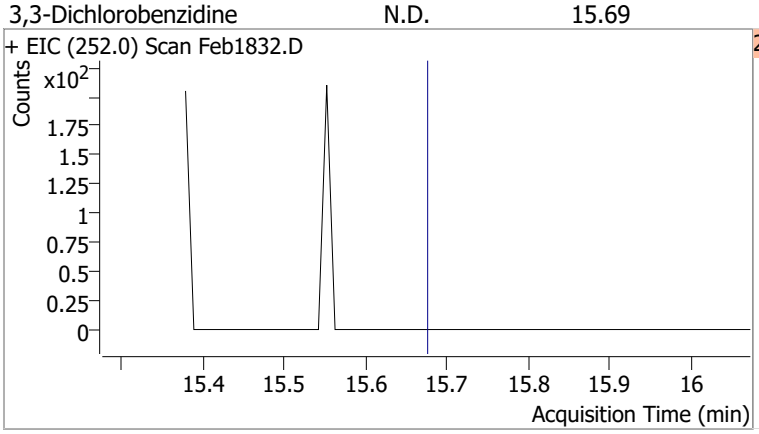


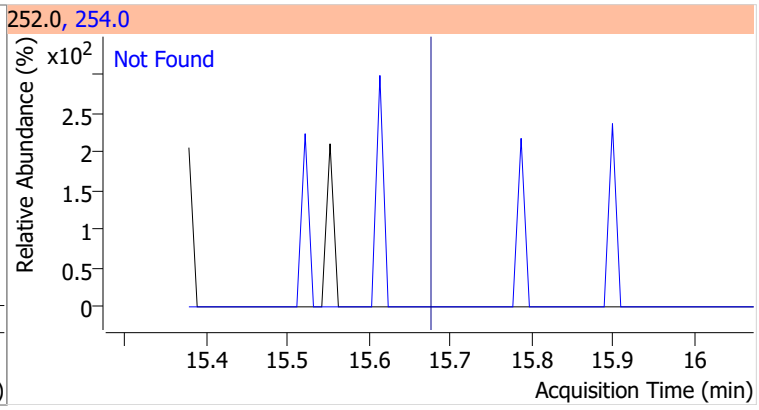
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



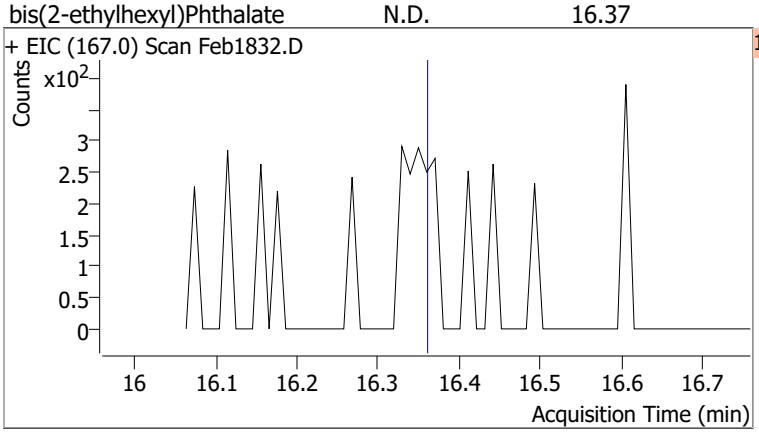


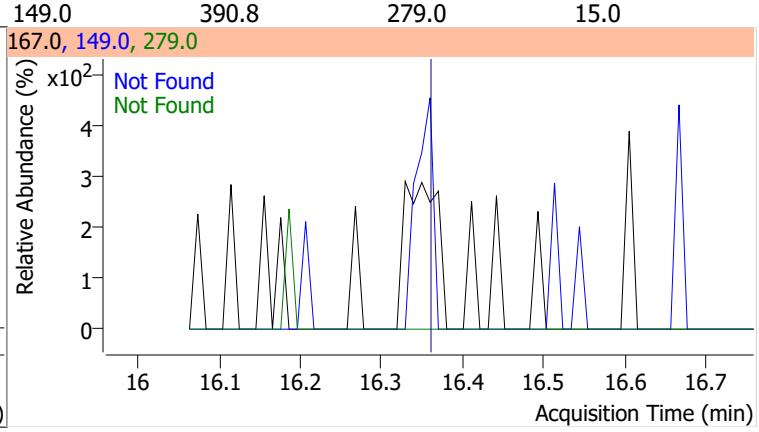
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



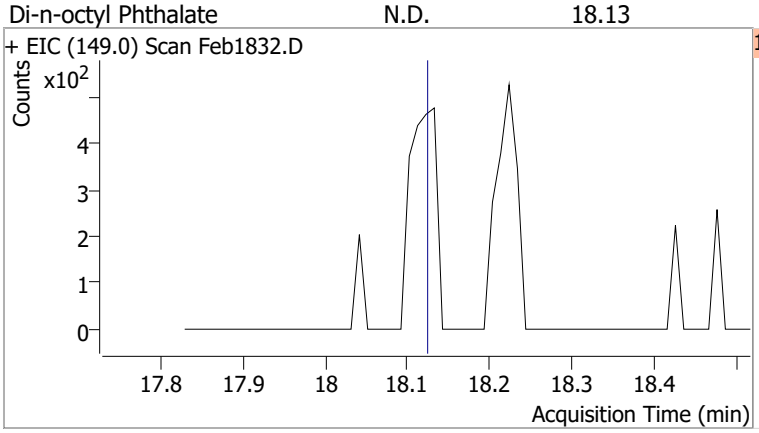


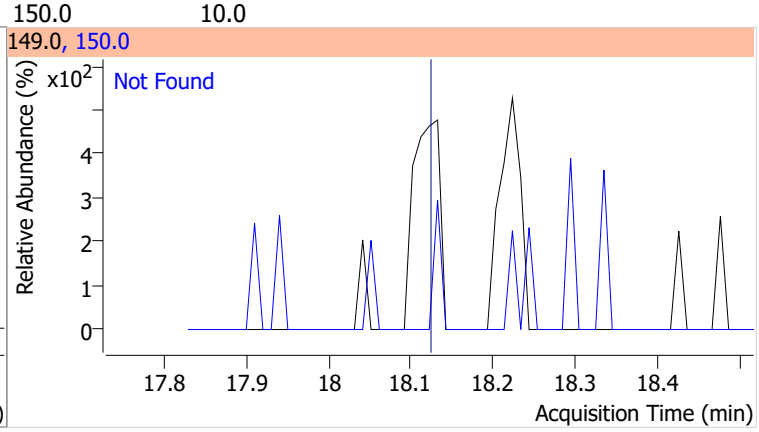
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



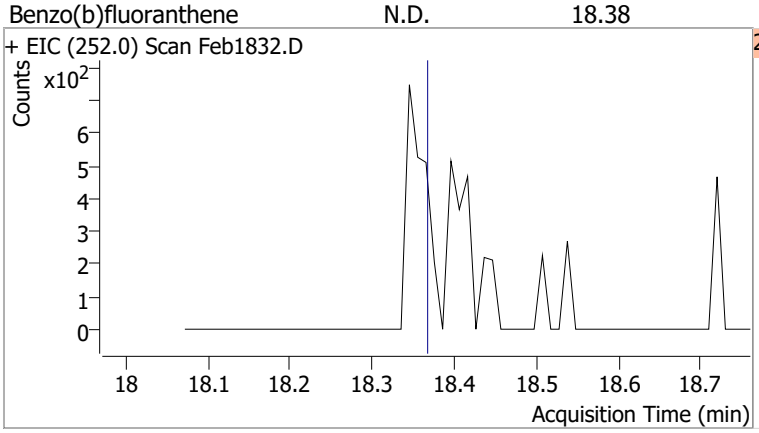


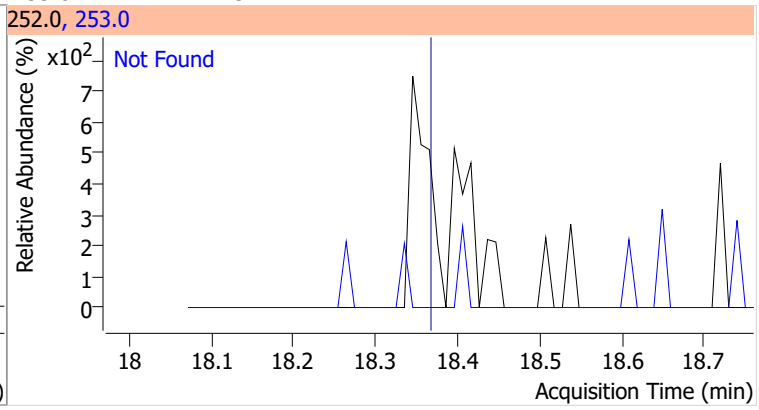
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



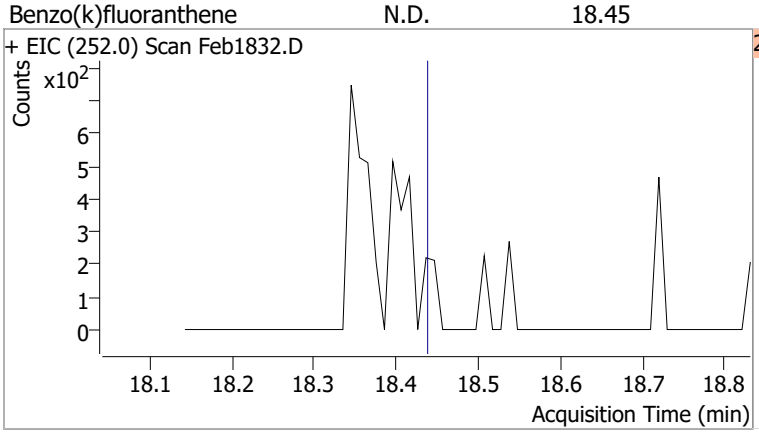


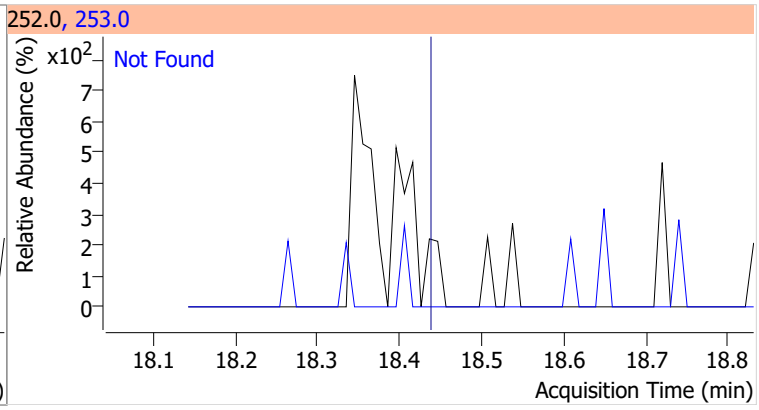
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



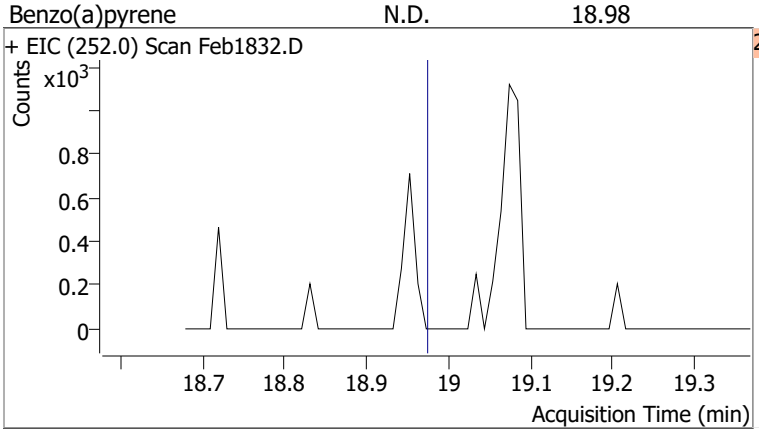


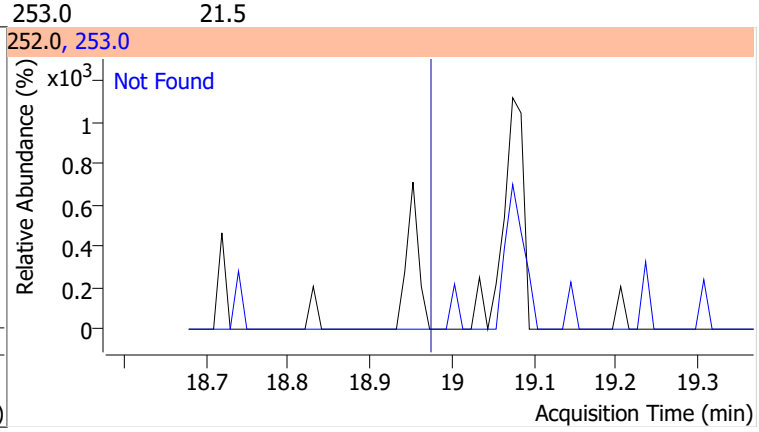
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



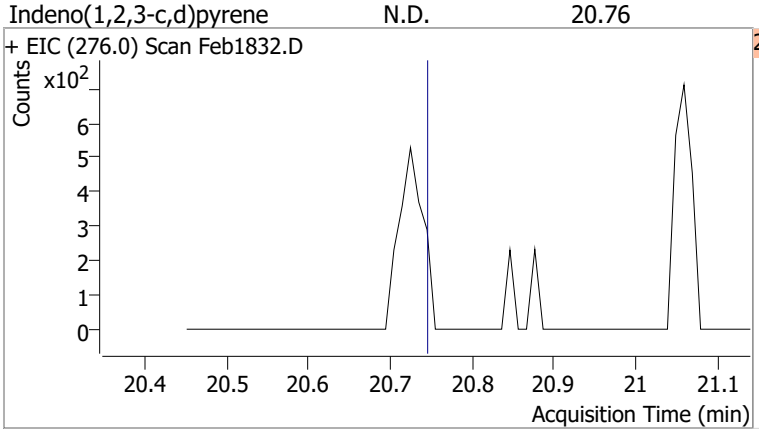


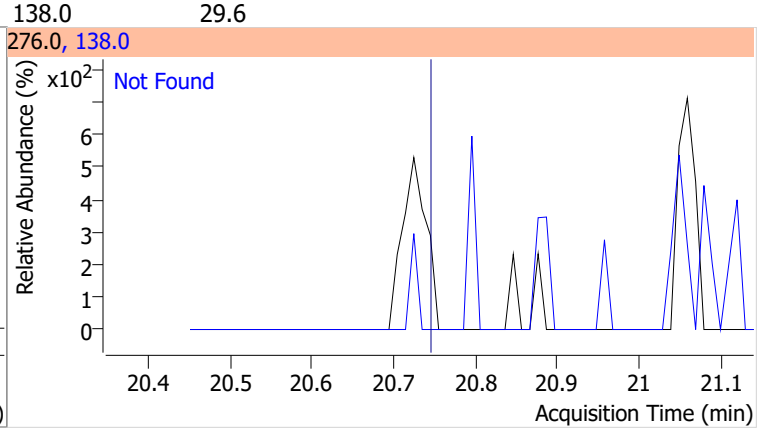
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



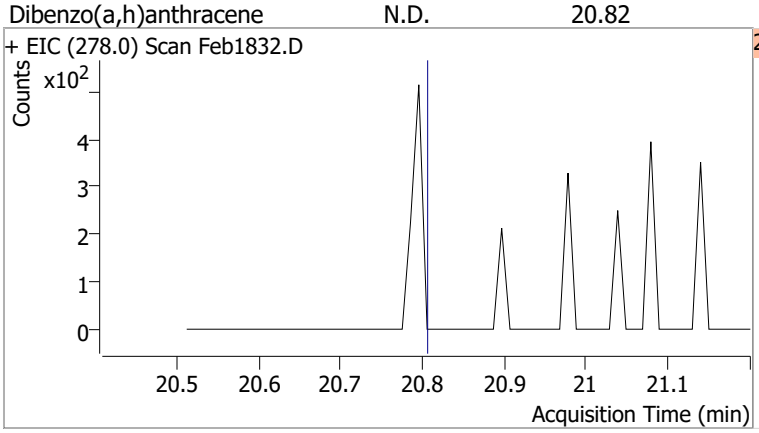


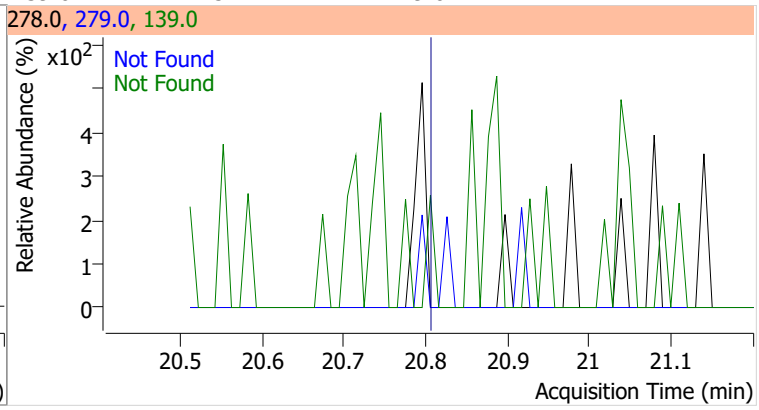
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



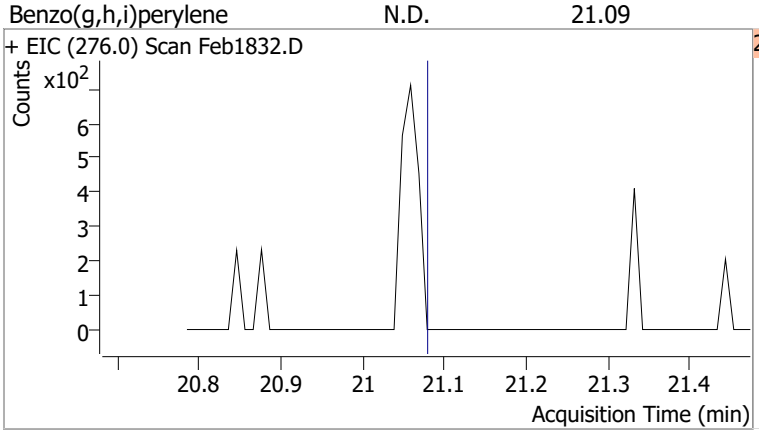


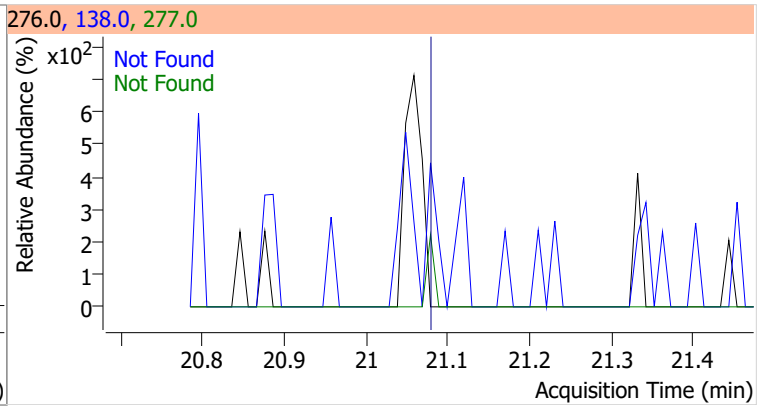
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





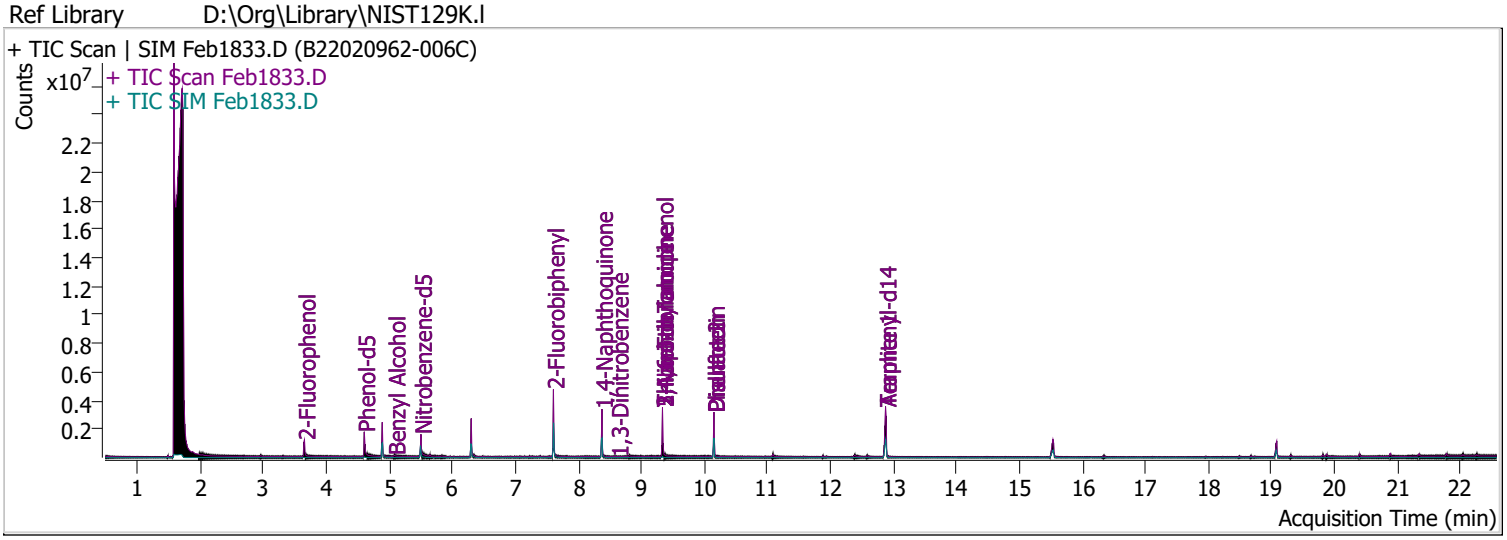
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1833.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/20/2022 1:03:51 AM
Sample Name	B22020962-006C	Instrument	Instrument #1
Vial	33	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



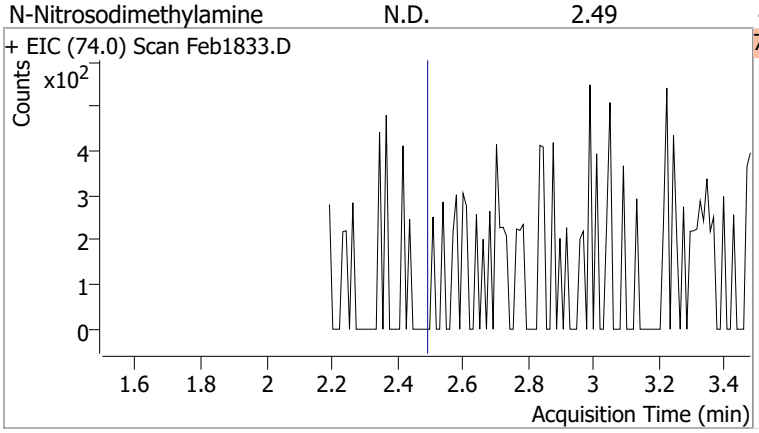
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	469379	50.6375	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 25.32%			
S Phenol-d5	4.603	99.0	710747	58.5363	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 29.27%			
S Nitrobenzene-d5	5.502	82.0	438226	65.1277	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 65.13%			
S 2-Fluorobiphenyl	7.605	172.0	1375162	65.7133	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 65.71%			
S 2,4,6-Tribromophenol	9.336	329.8	281248	154.3025	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 77.15%			
S Terphenyl-d14	12.875	244.3	2079253	107.3428	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 107.34%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.			
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	5.083	108.0	54439	12.4284	µg/L		81
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	5.083	107.0	0		µg/L	md	1
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	5.502	117.0	0		µg/L	md	1

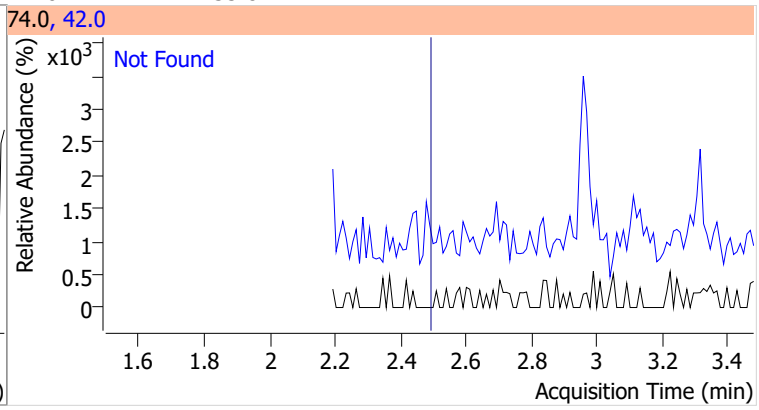
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	0.000		0	N.D.			
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

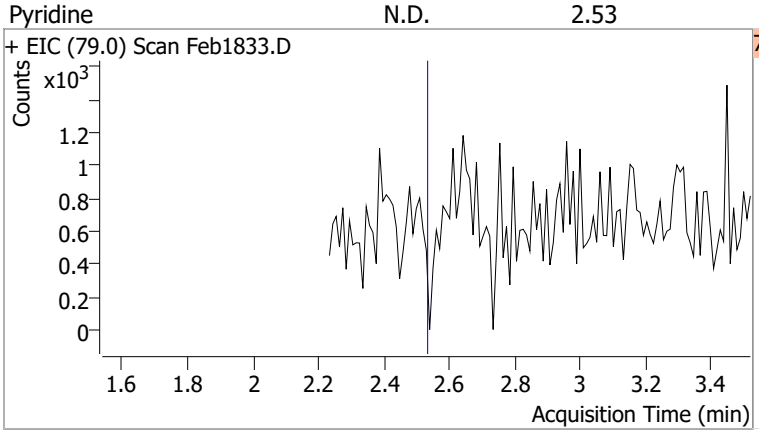
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

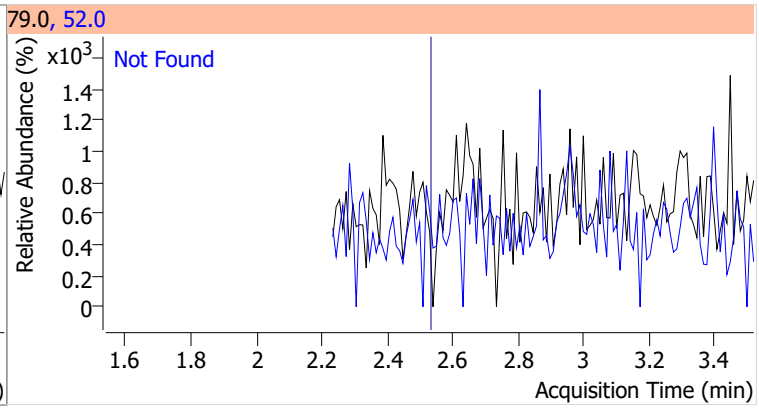
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



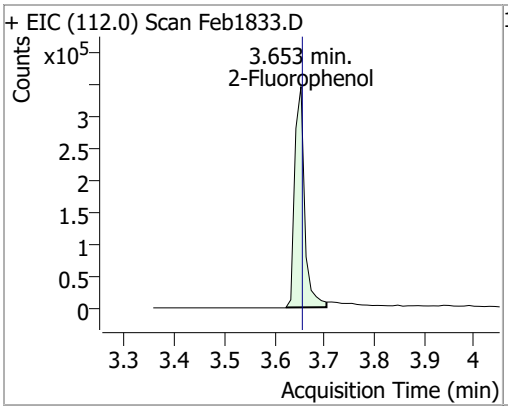


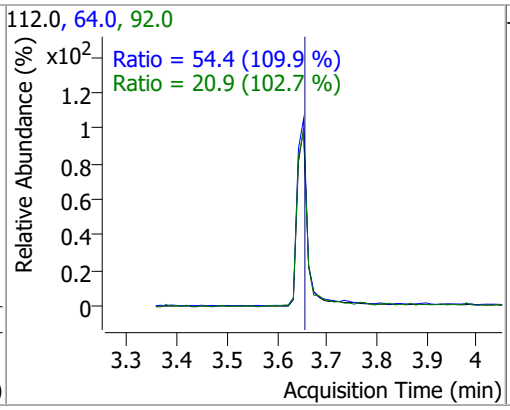
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

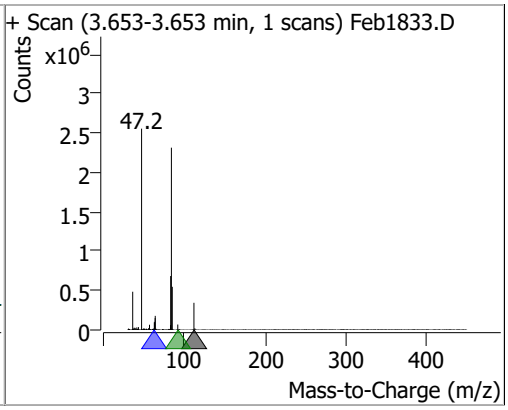




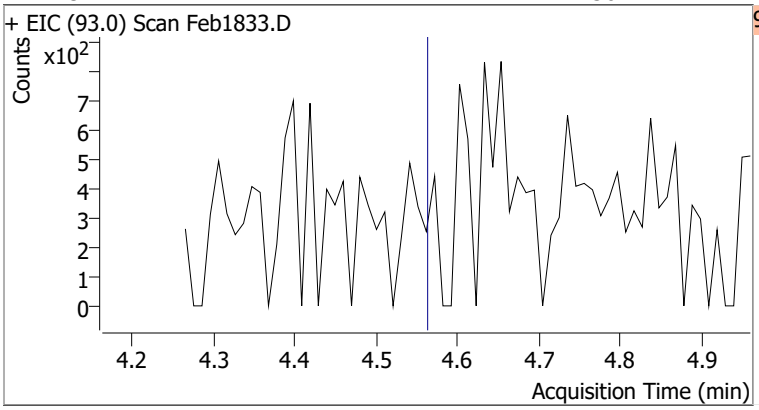
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	50.6375	3.65	0.00	469379	64.0	54.4	34.6	64.3
					92.0	20.9	14.2	26.5

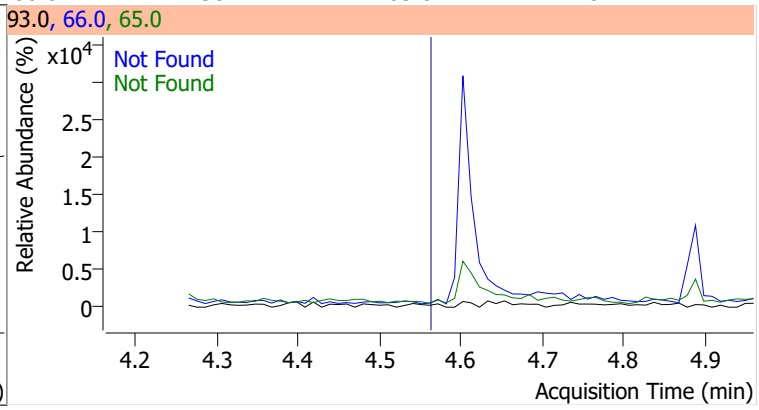




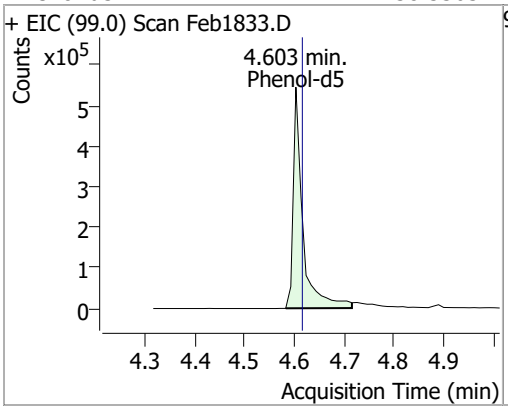


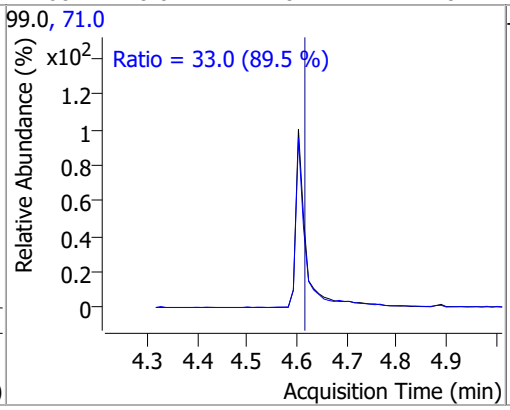
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

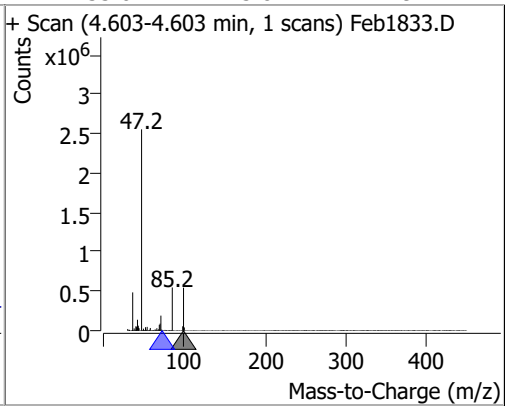




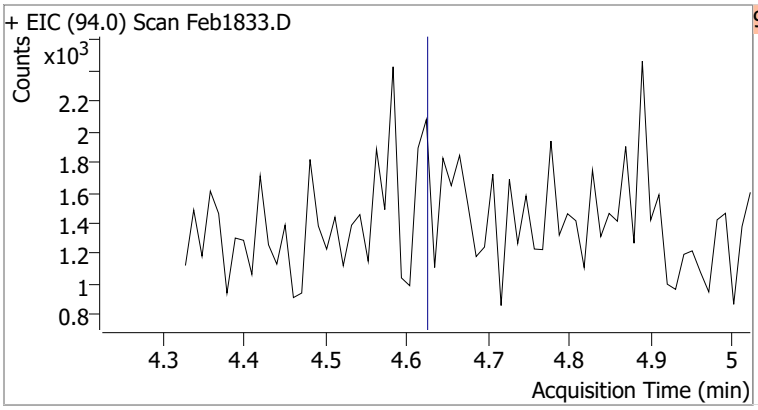
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	58.5363	4.60	-0.01	710747	71.0	33.0	25.8	47.9

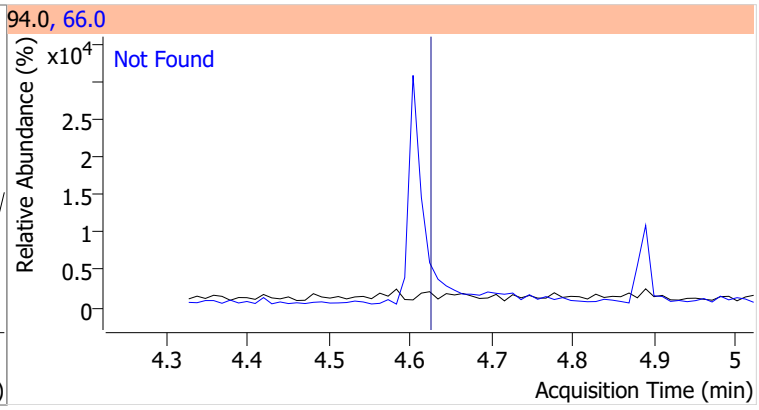




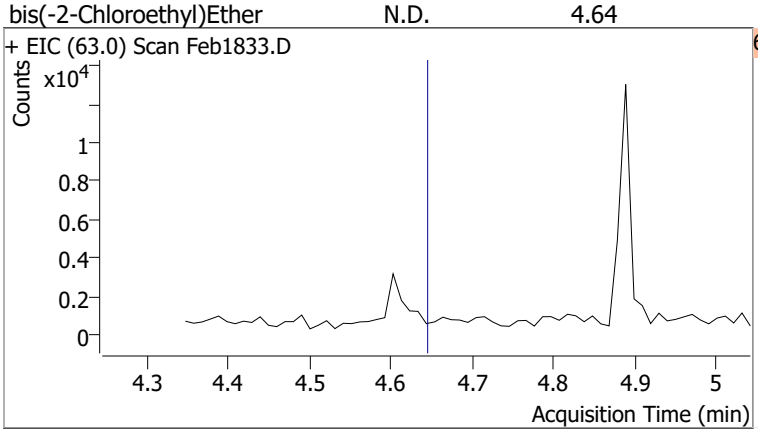


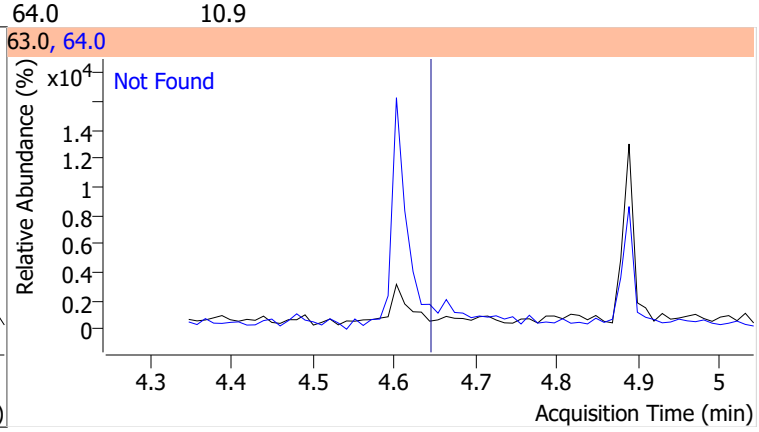
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



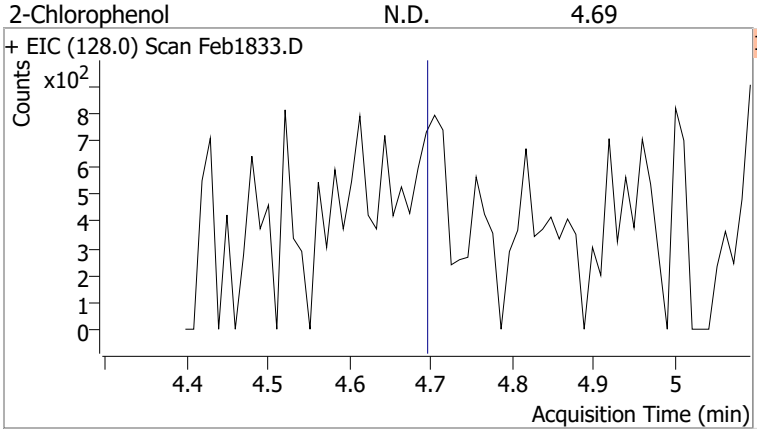


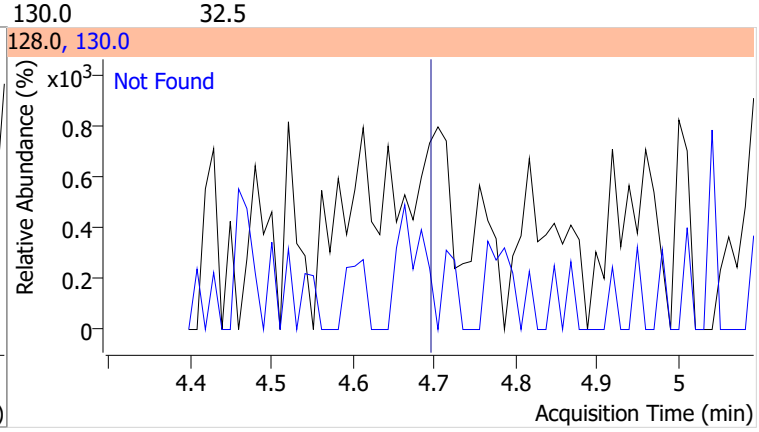
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



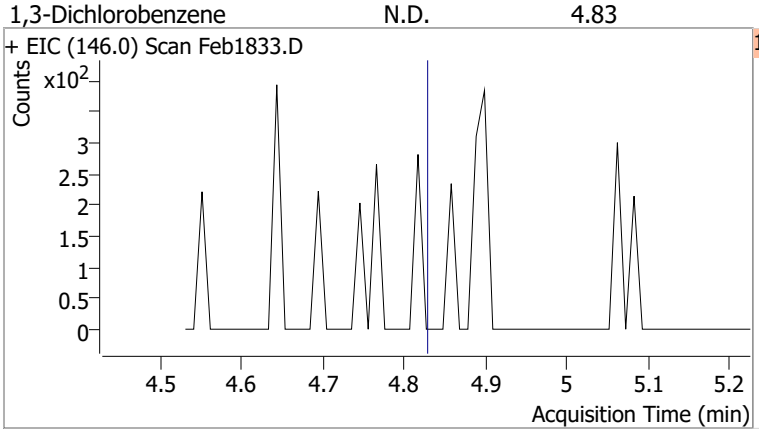


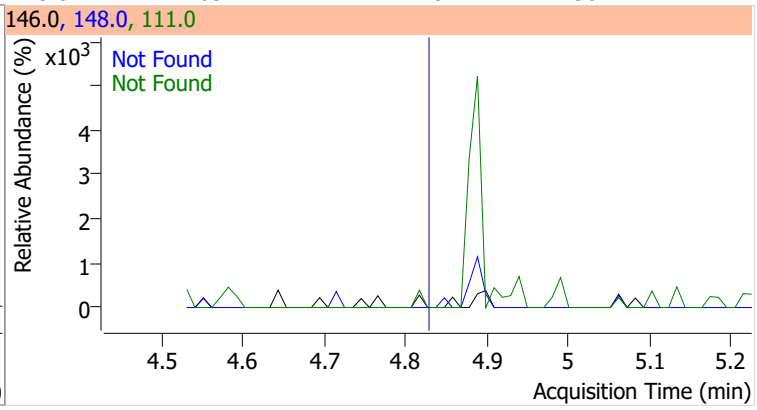
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



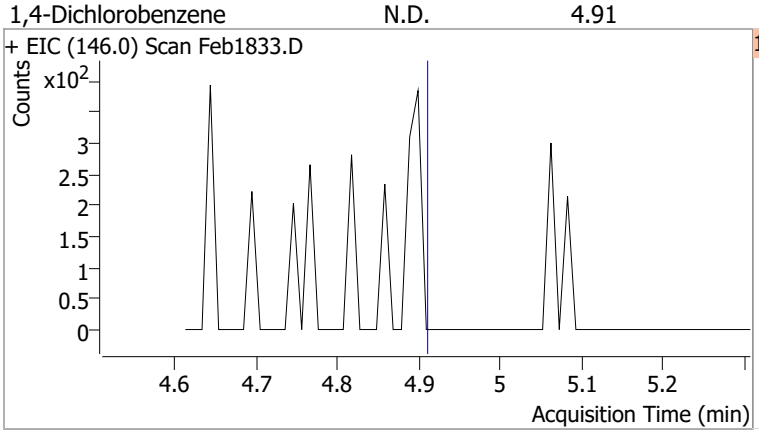


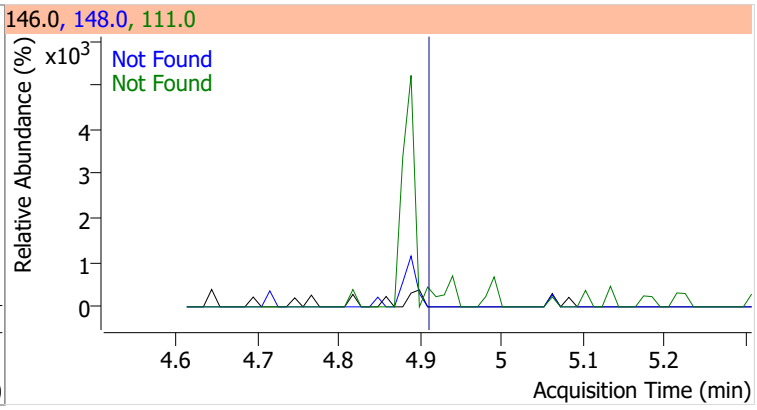
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



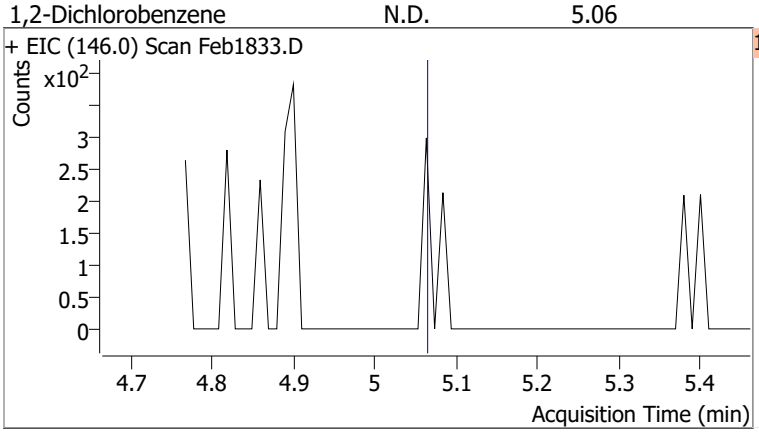


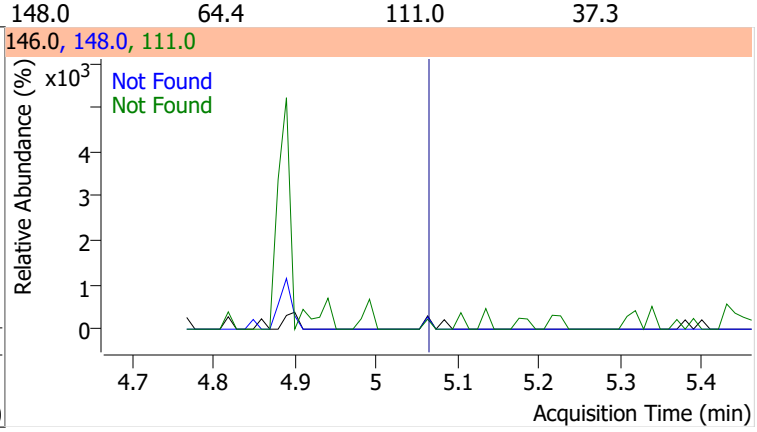
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



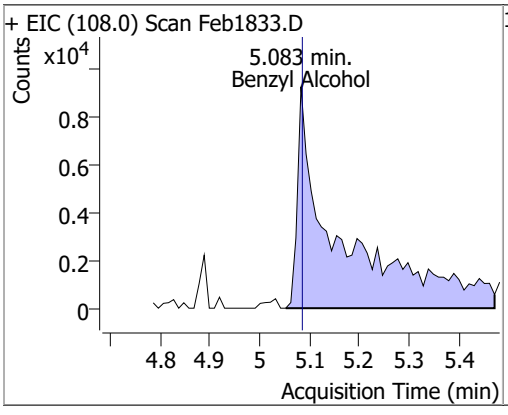


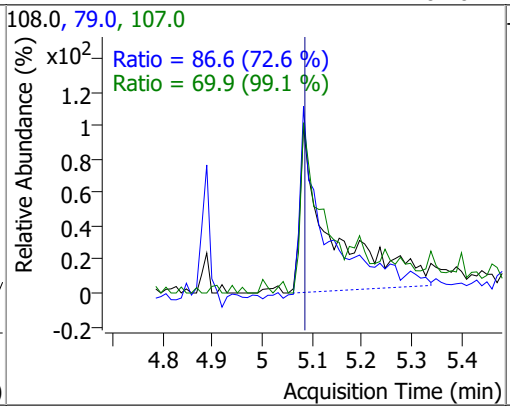
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3

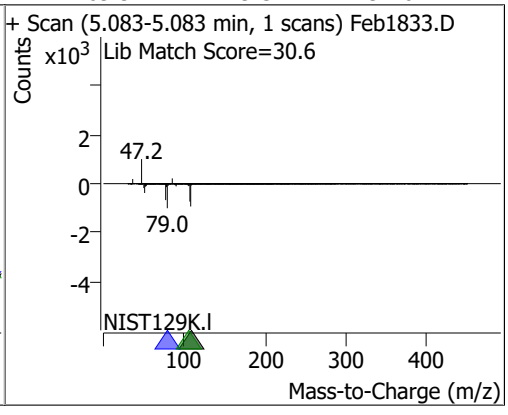




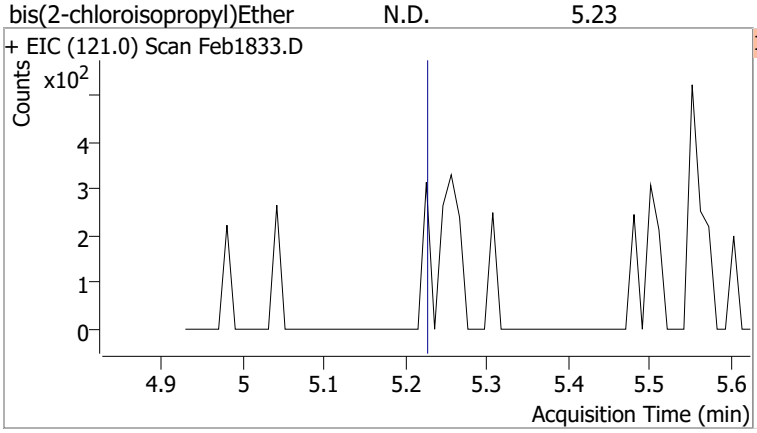
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	12.4284	5.08	0.00	54439	79.0	86.6	83.5	155.1
					107.0	69.9	49.3	91.6

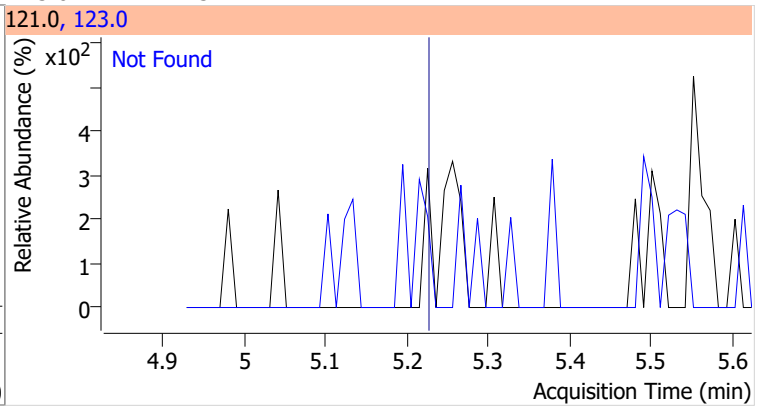




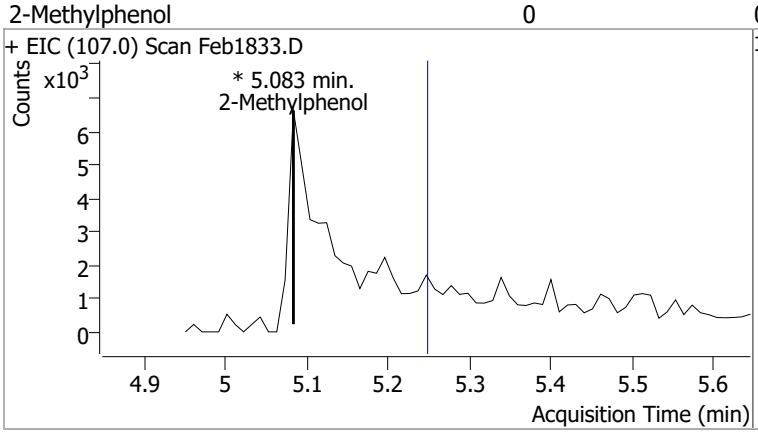


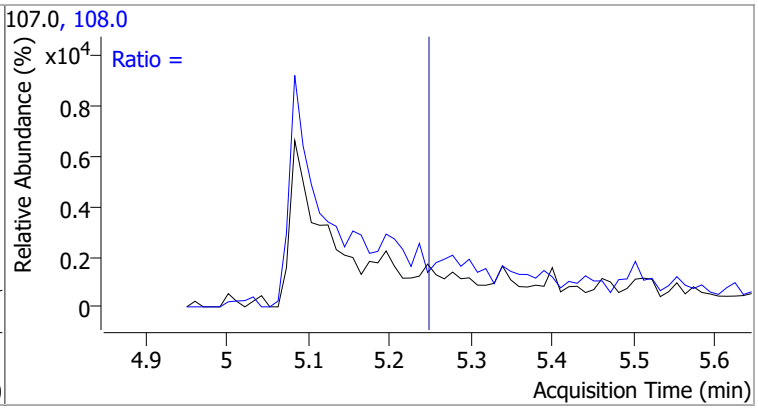
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



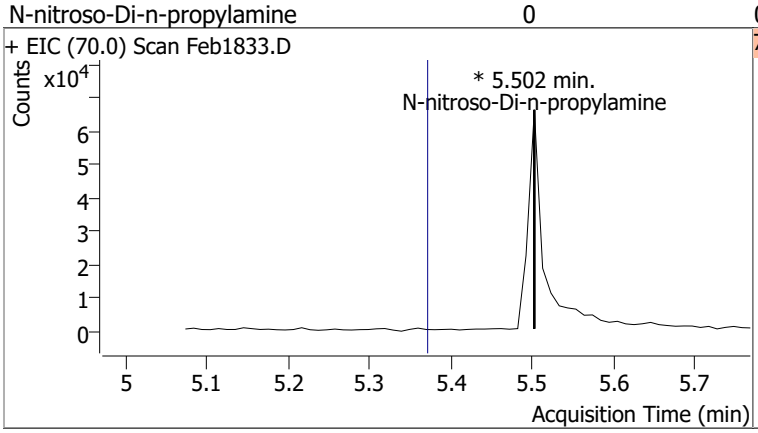


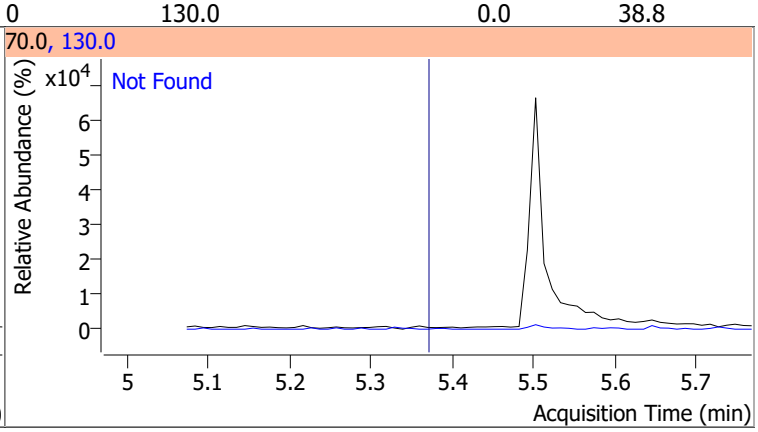
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol		0		0	108.0		81.5	151.4



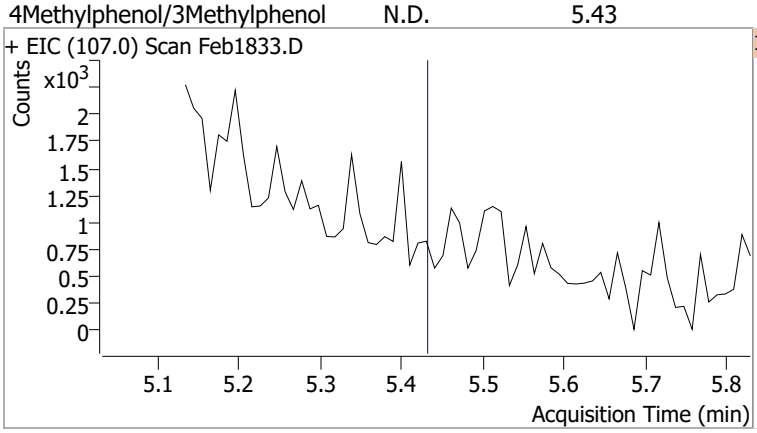


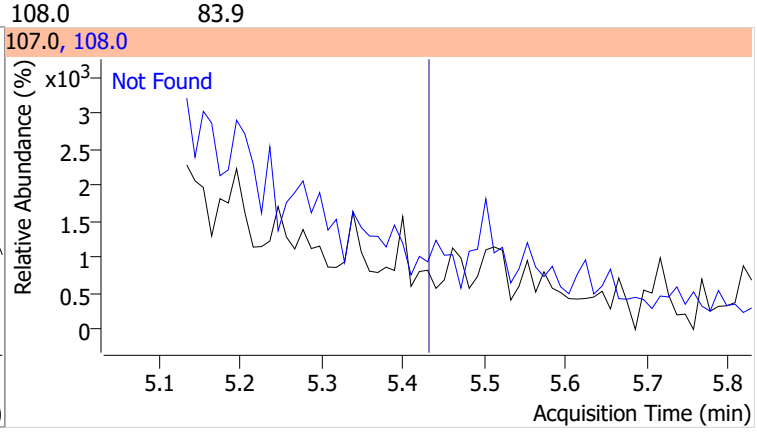
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



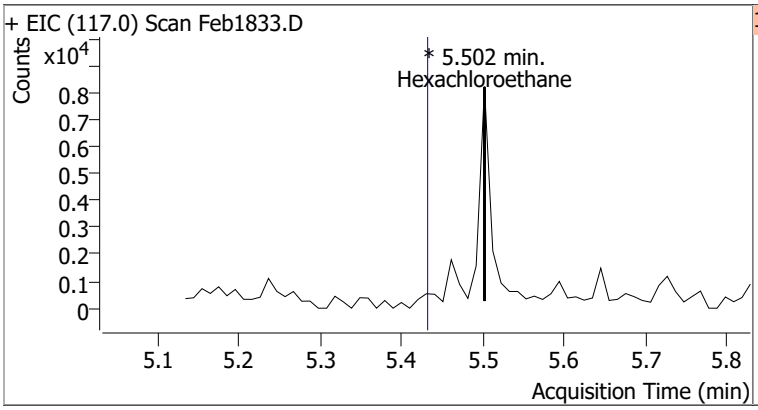


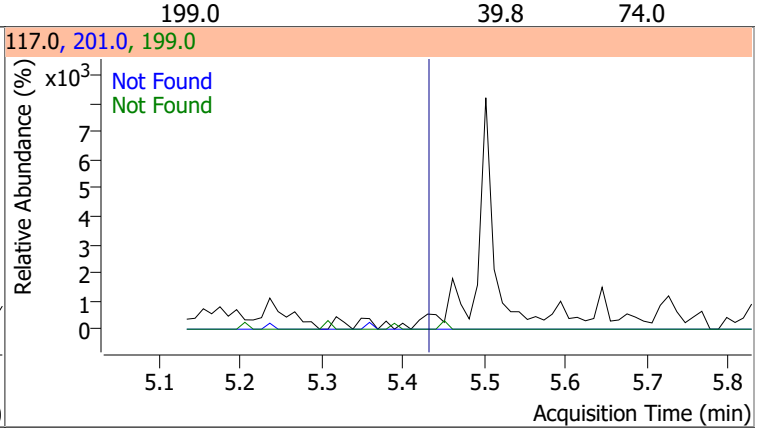
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



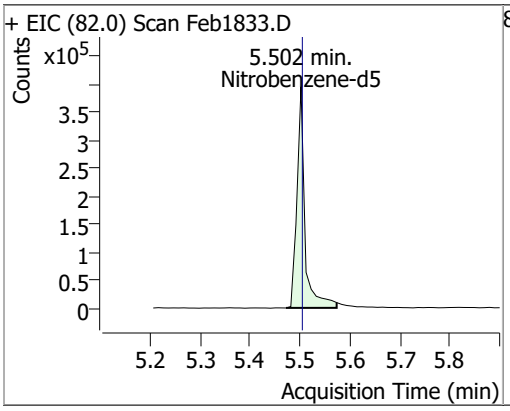


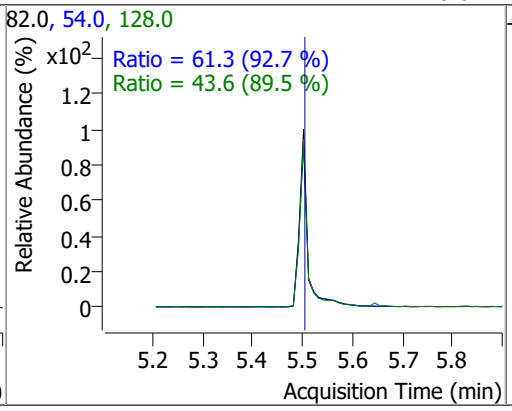
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane		0		0	201.0		63.5	118.0
					199.0		39.8	74.0

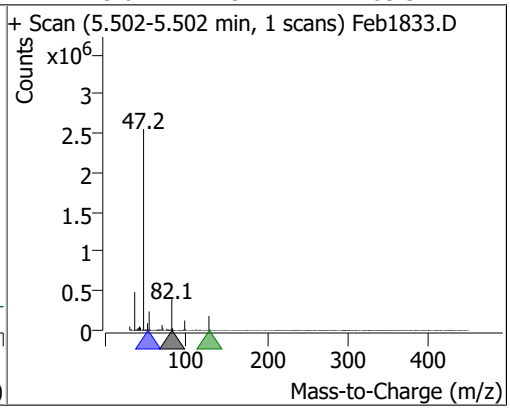




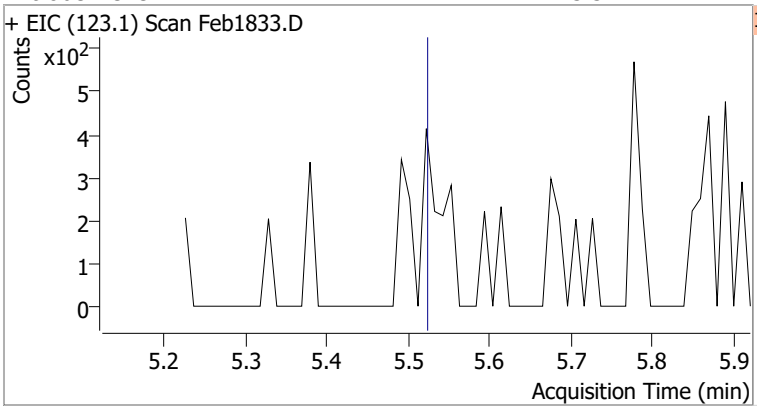
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	65.1277	5.50	0.00	438226	54.0	61.3	46.3	86.0
					128.0	43.6	34.1	63.3

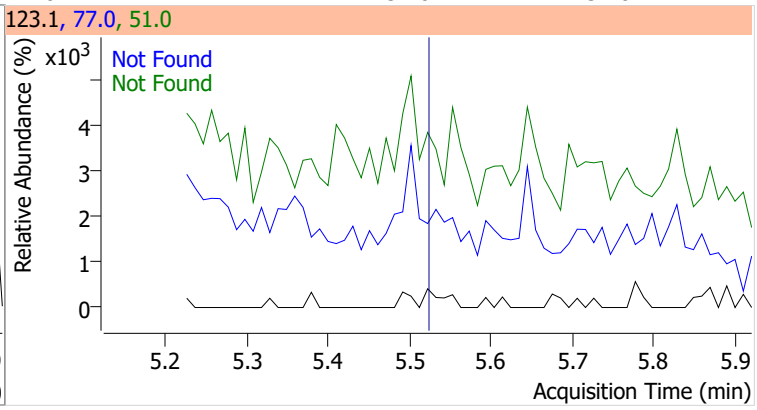




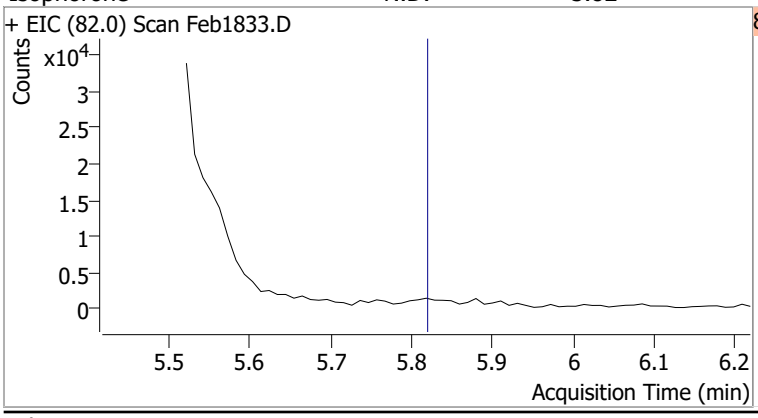


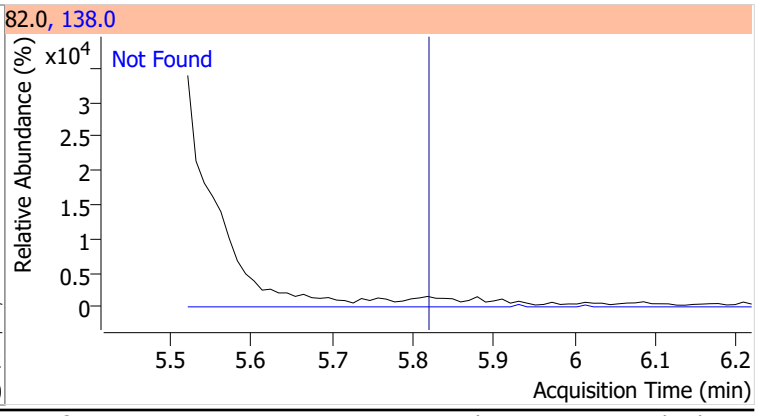
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



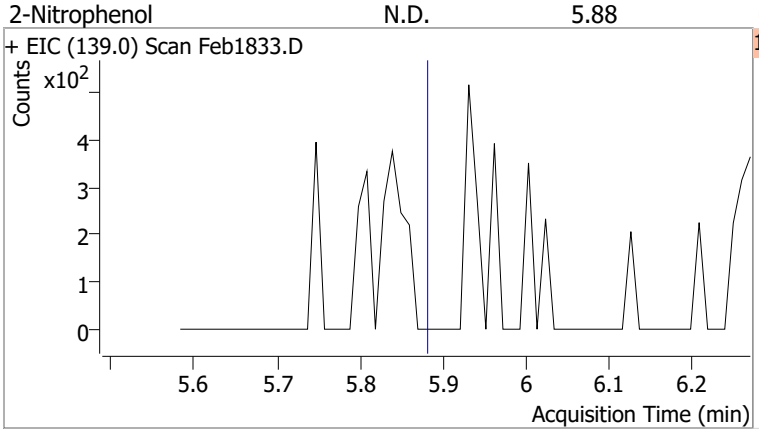


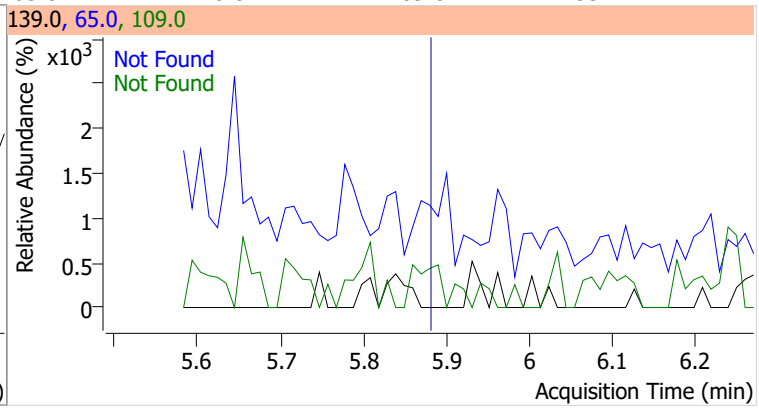
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



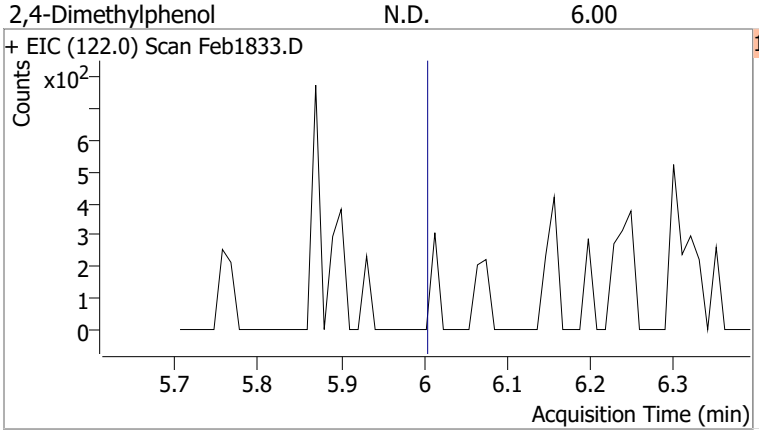


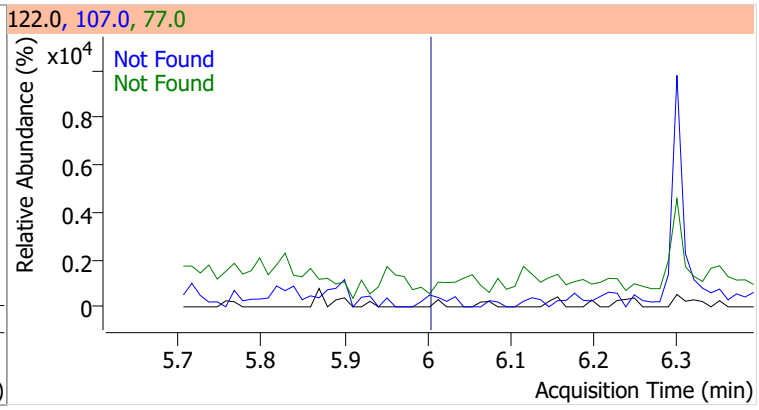
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



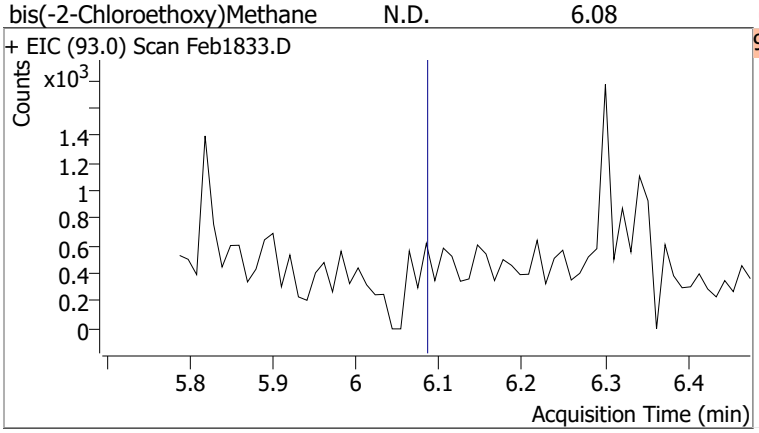


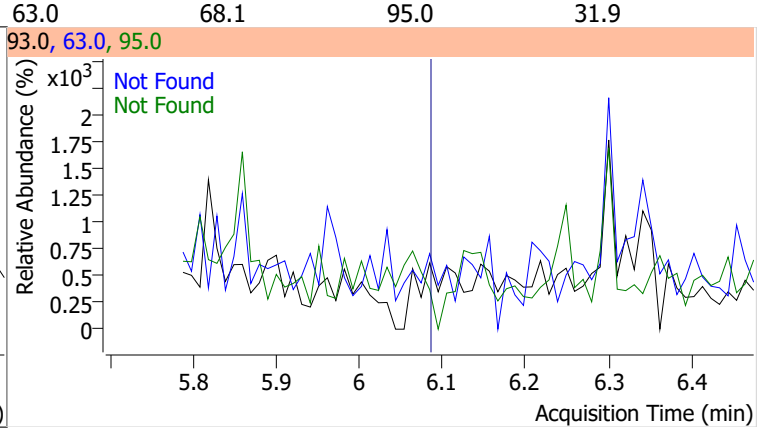
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



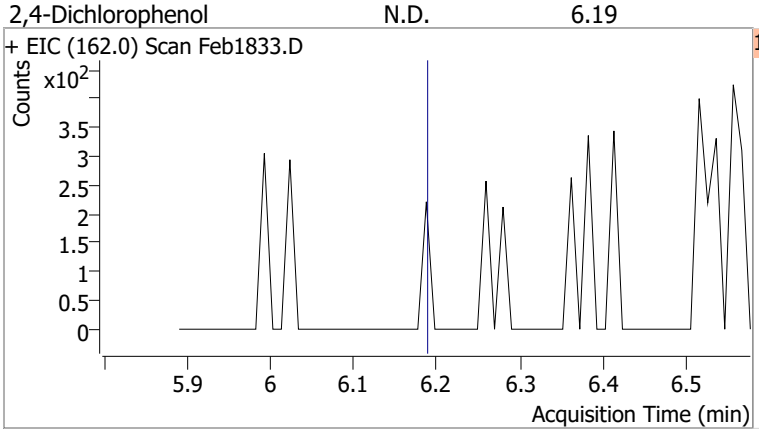


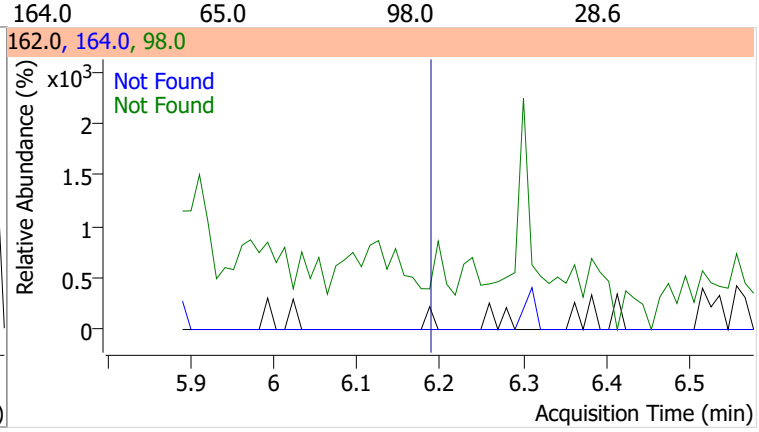
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



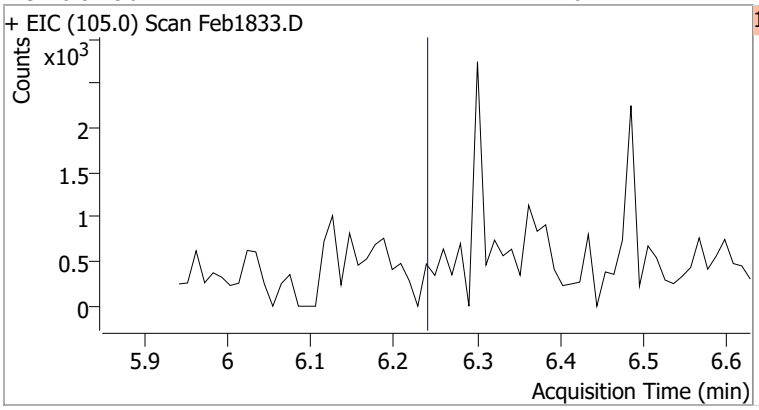


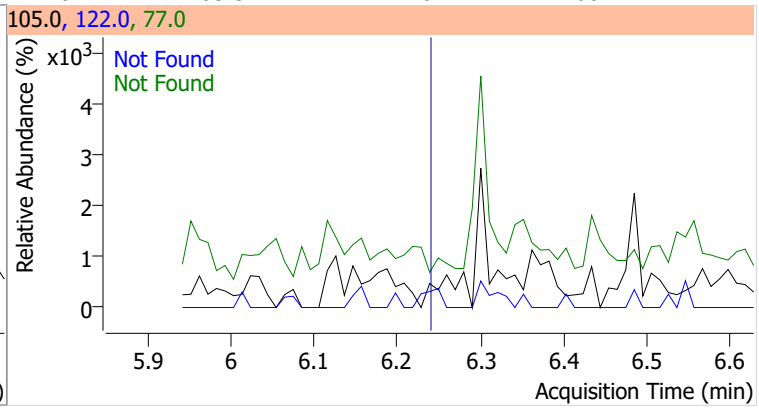
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



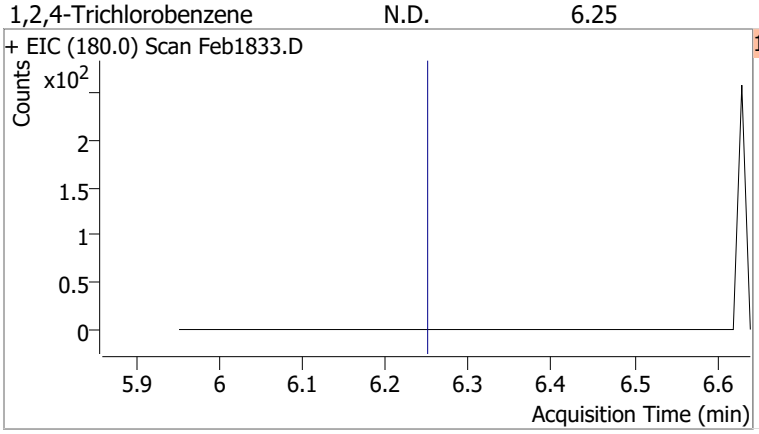


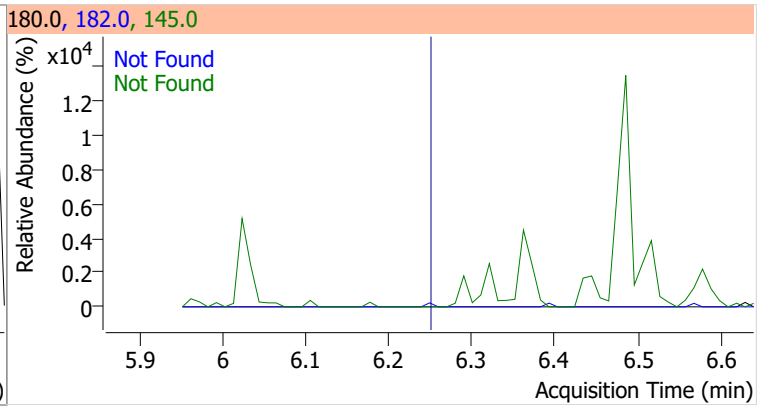
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



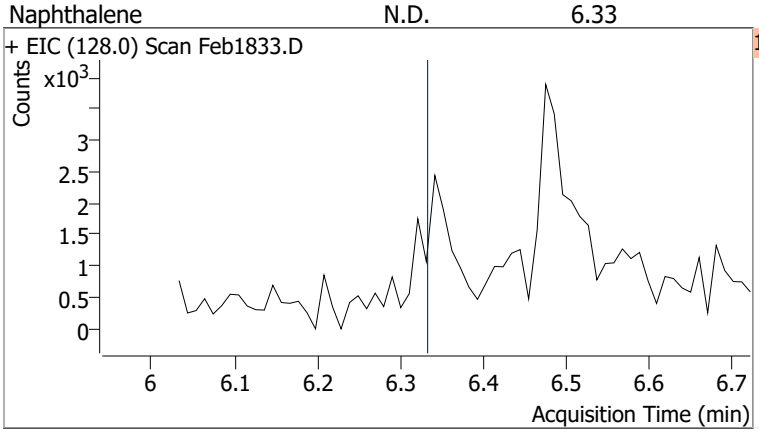


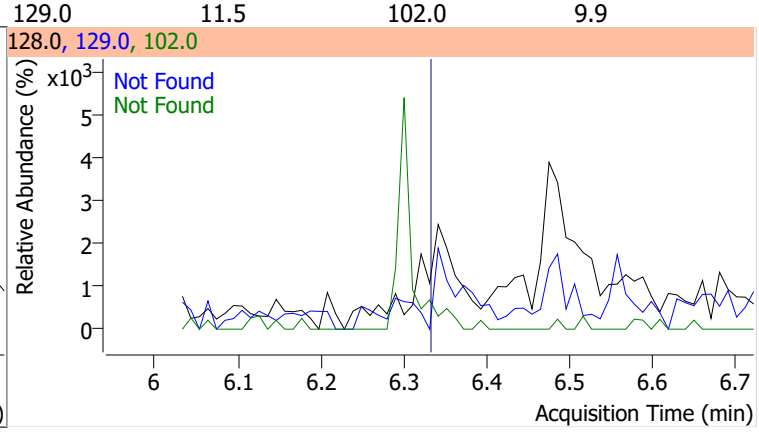
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



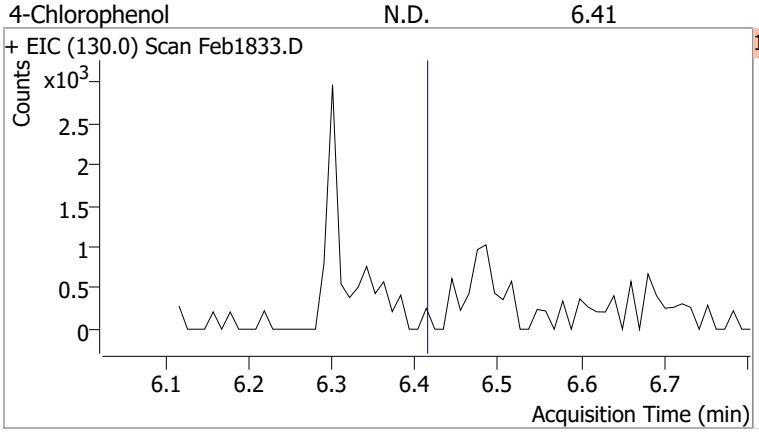


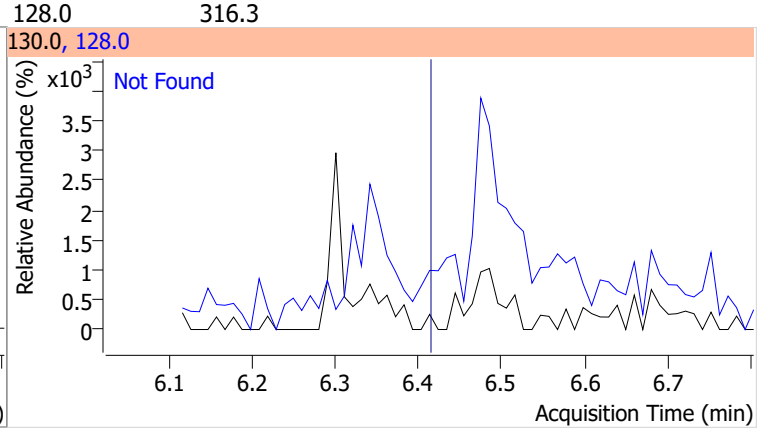
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



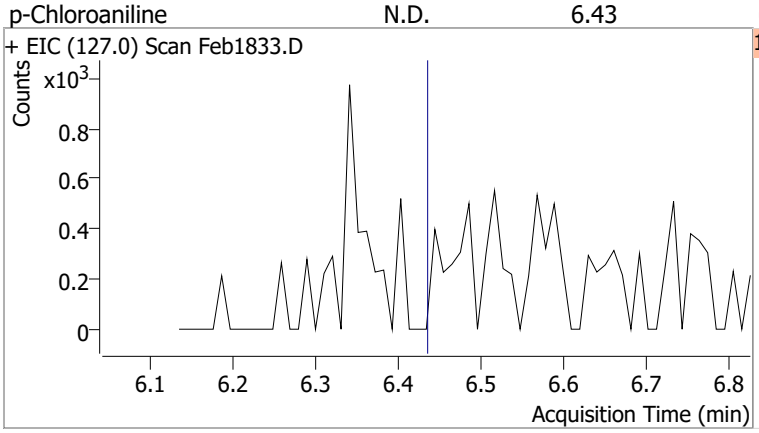


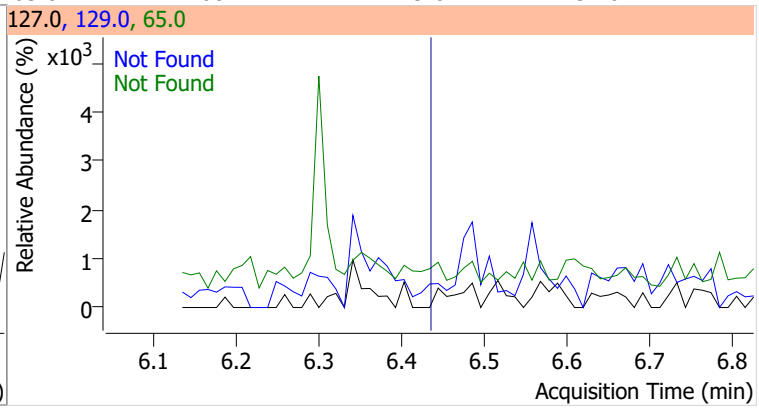
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorophenol	N.D.	6.41	128.0	316.3



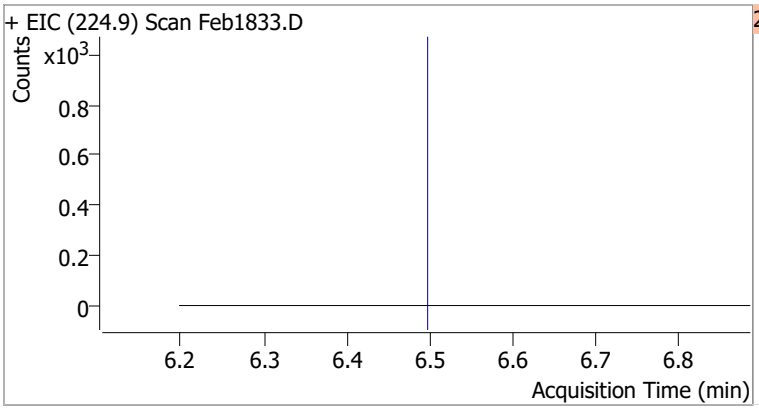


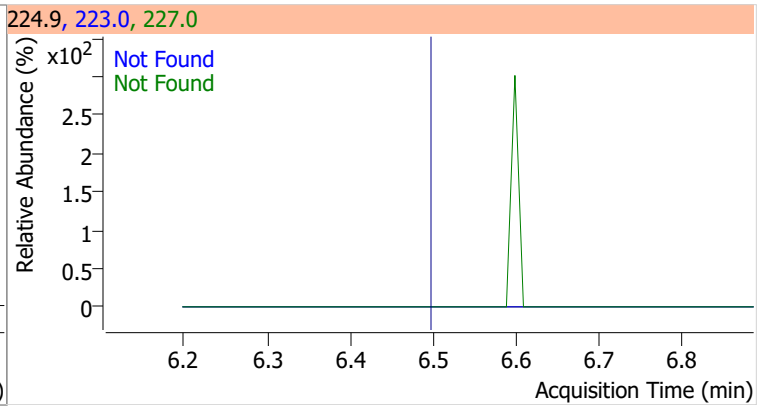
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



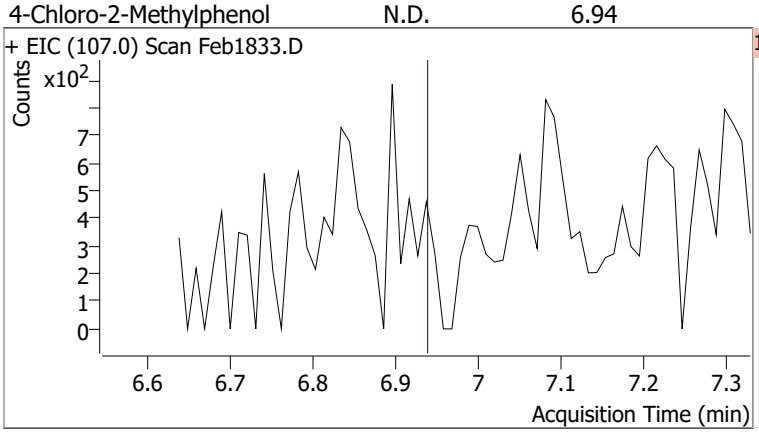


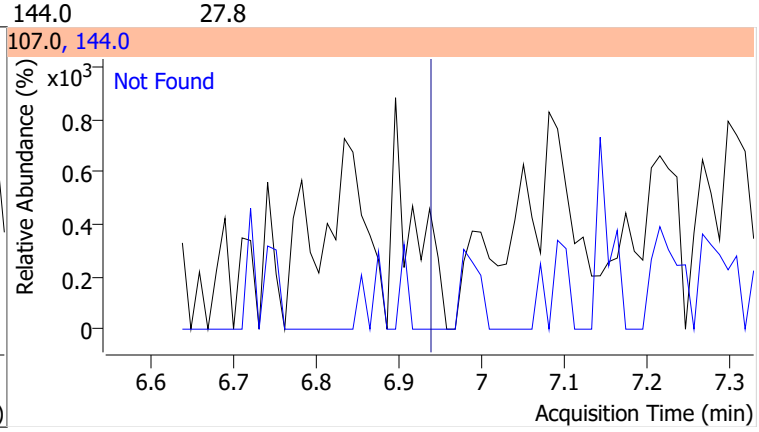
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



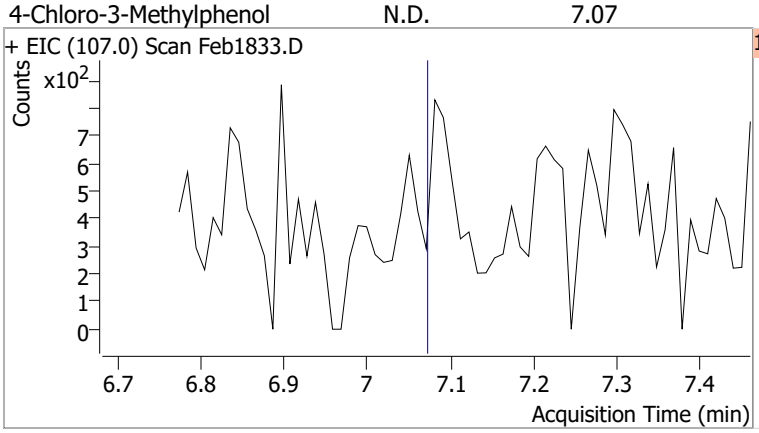


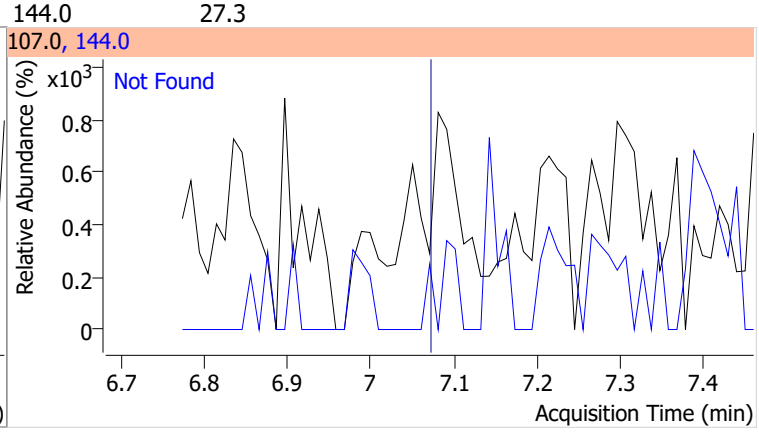
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



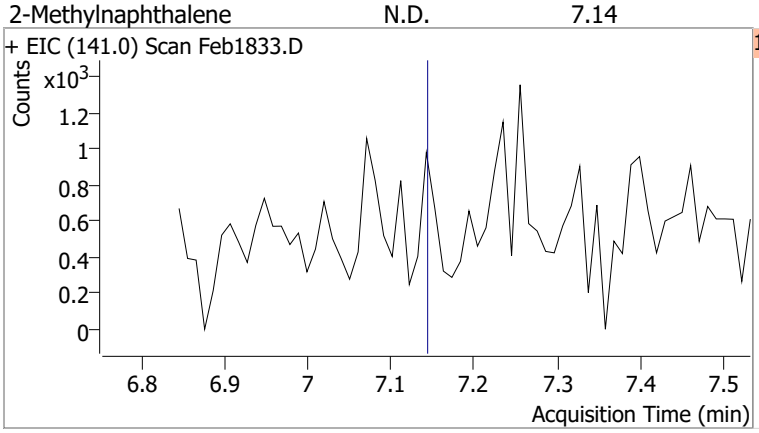


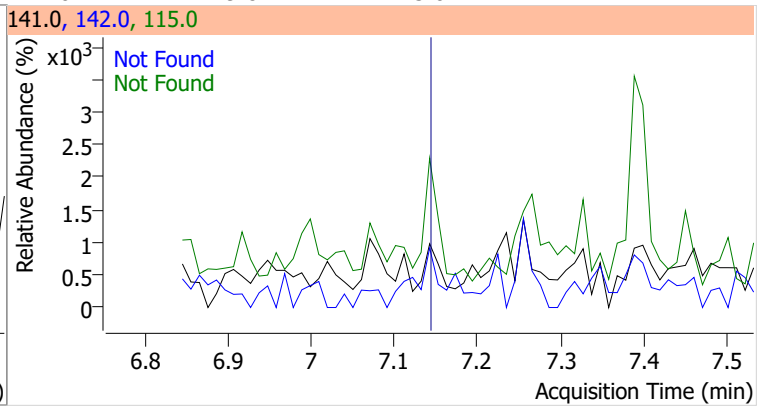
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



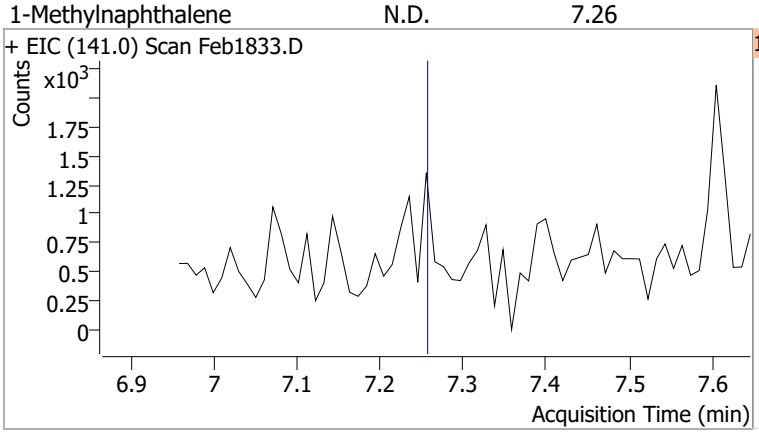


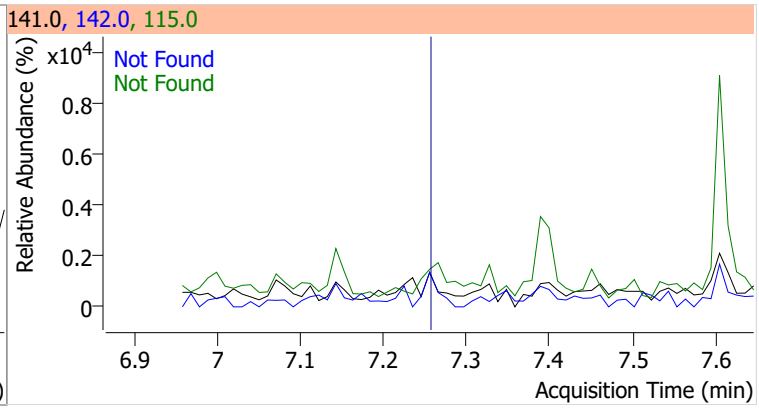
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



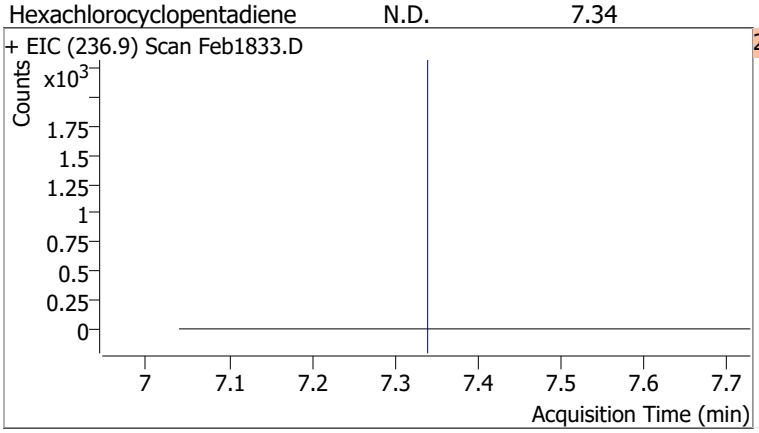


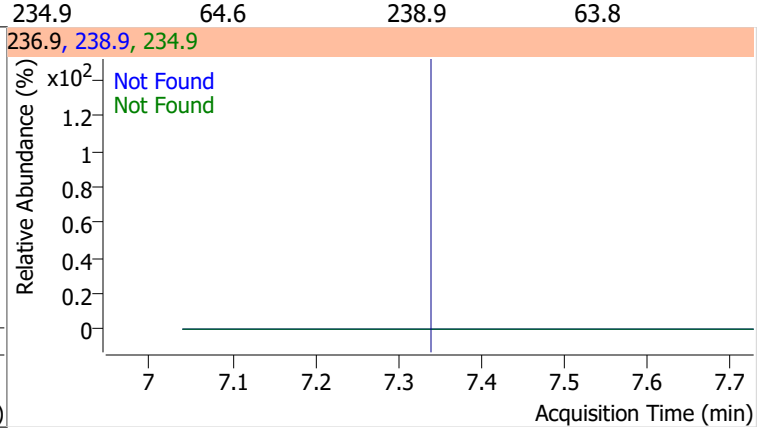
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



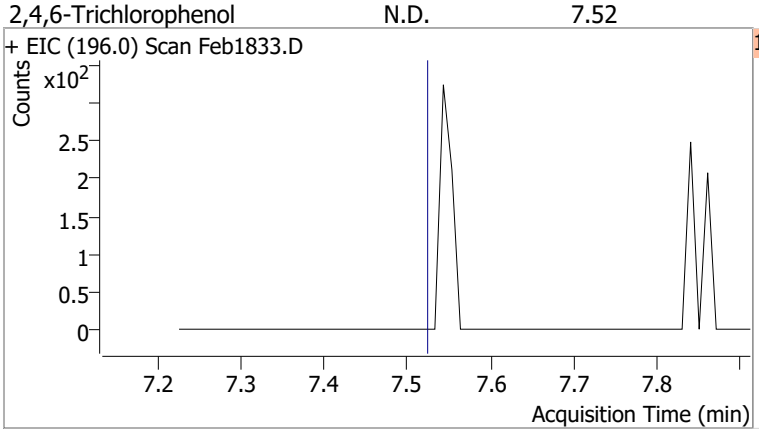


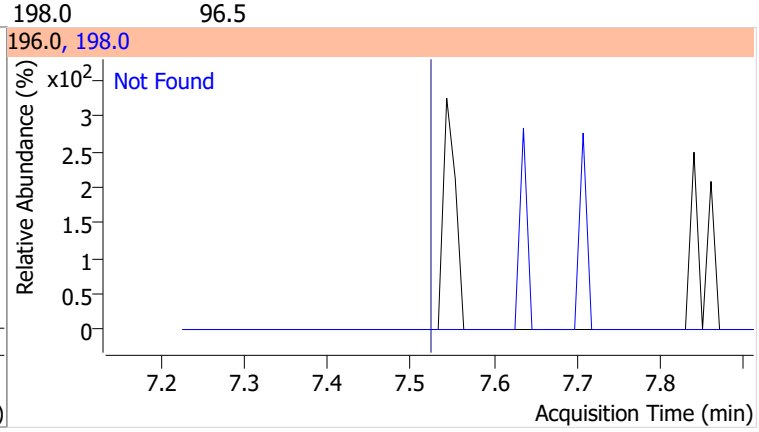
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



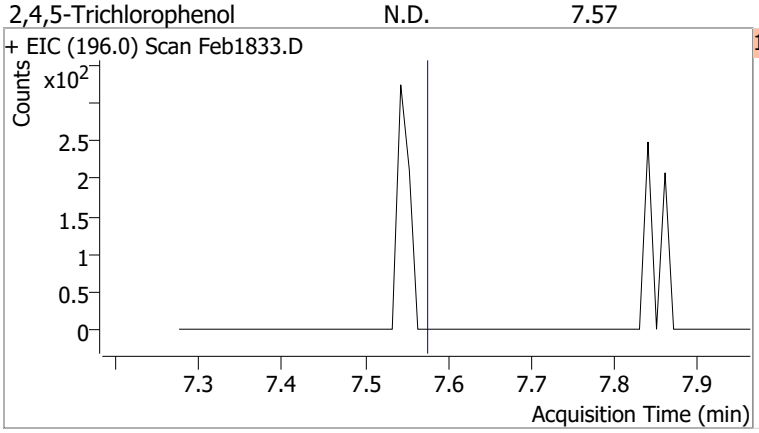


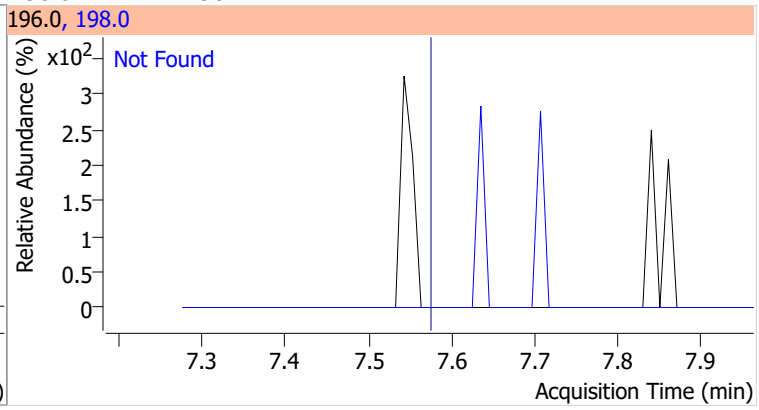
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



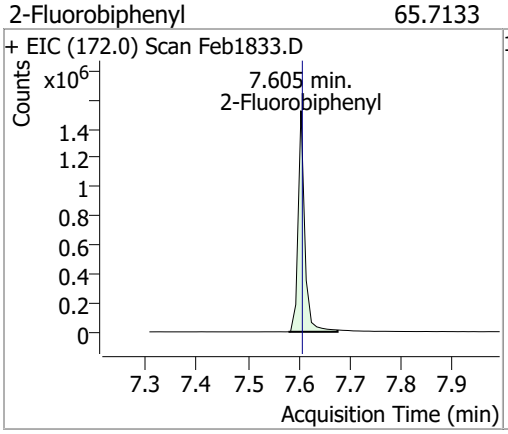


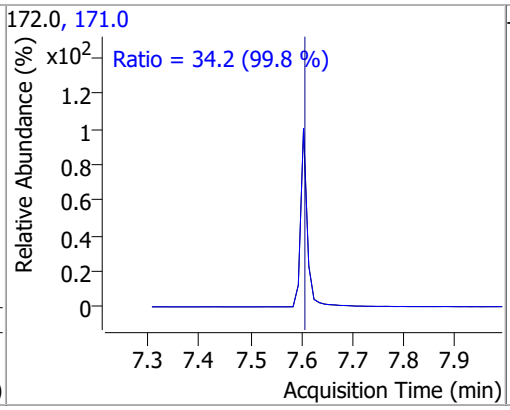
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

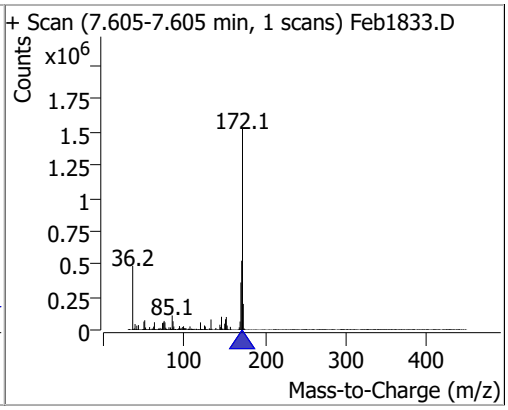




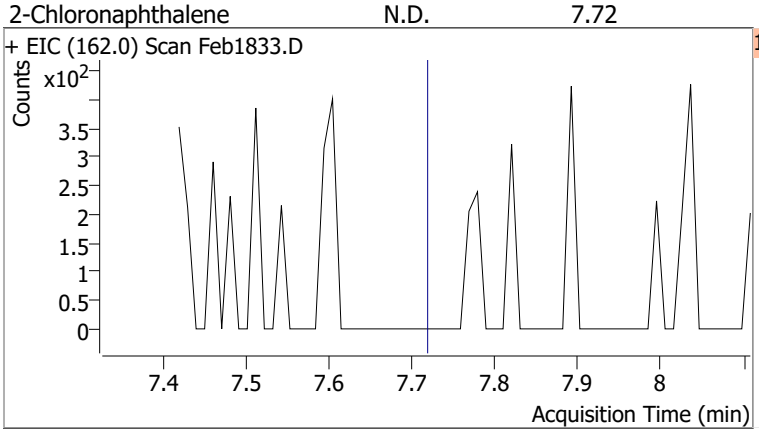
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	65.7133	7.60	0.00	1375162	171.0	34.2	24.0	44.5

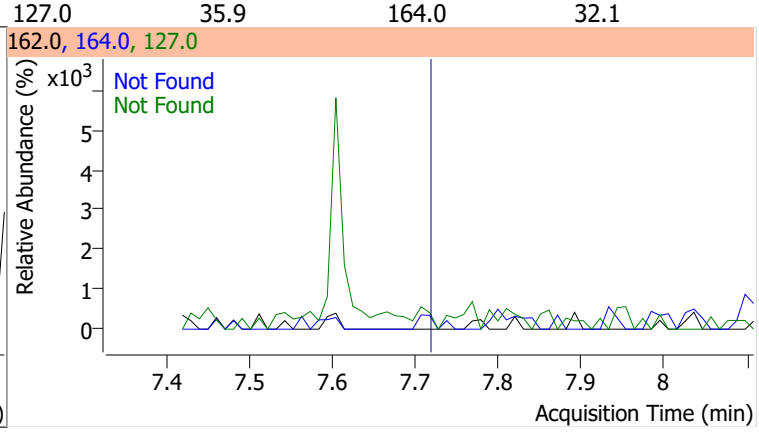




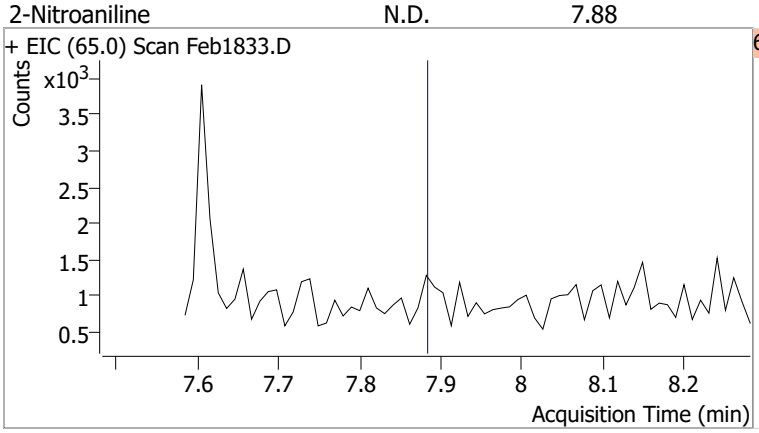


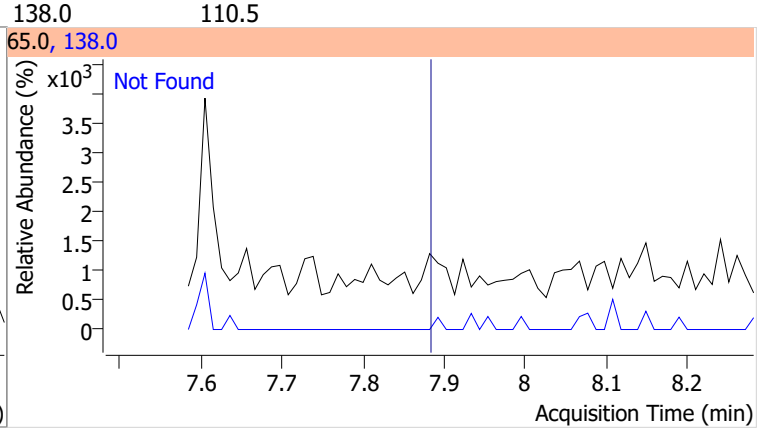
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



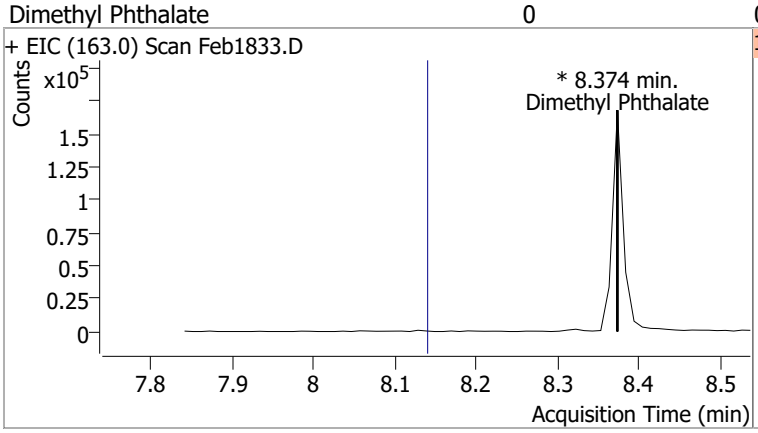


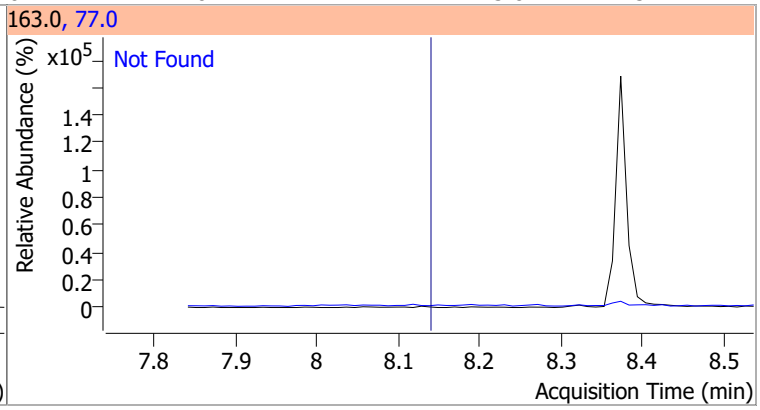
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



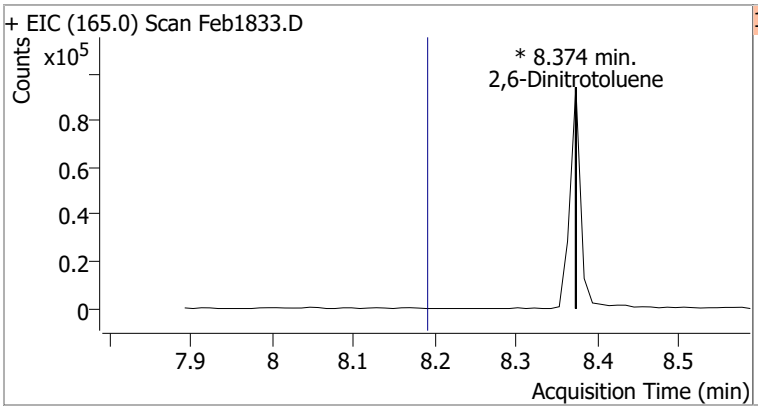


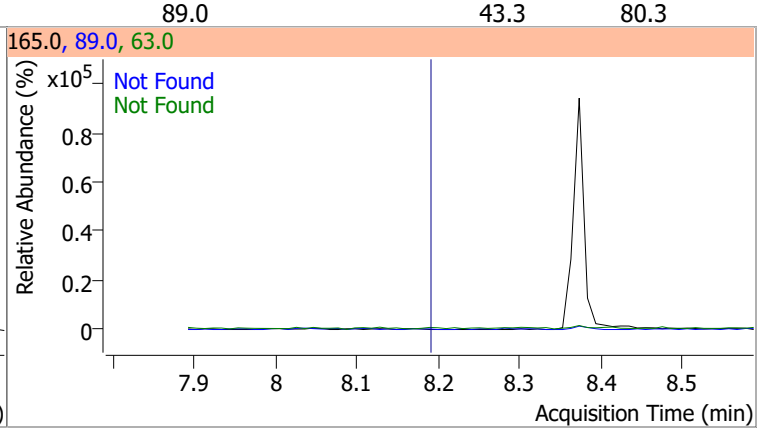
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



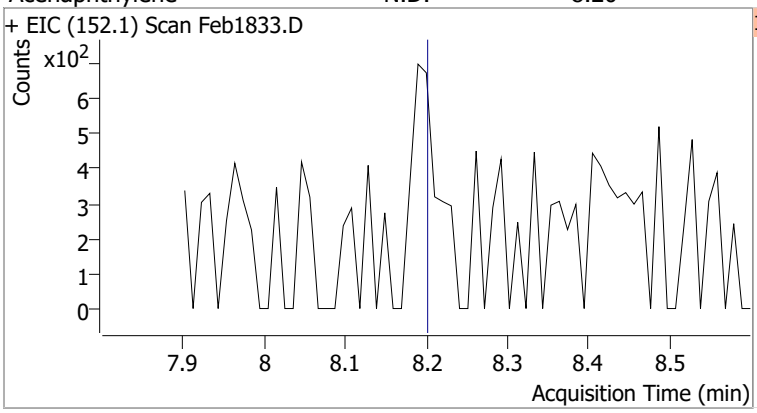


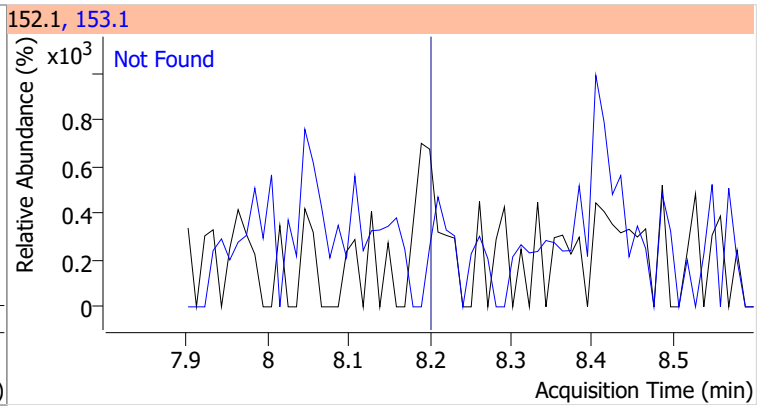
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



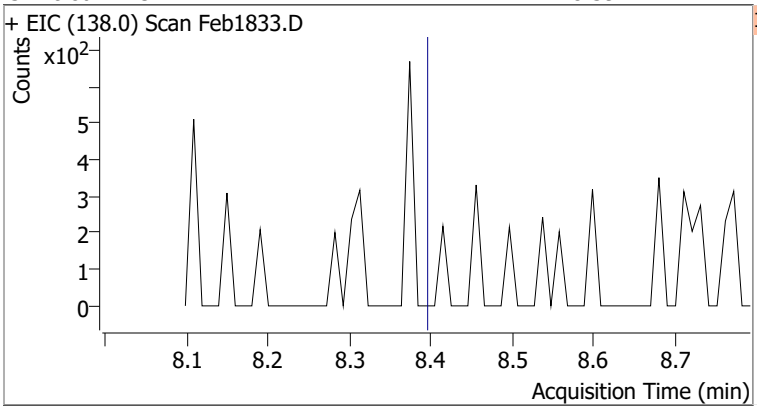


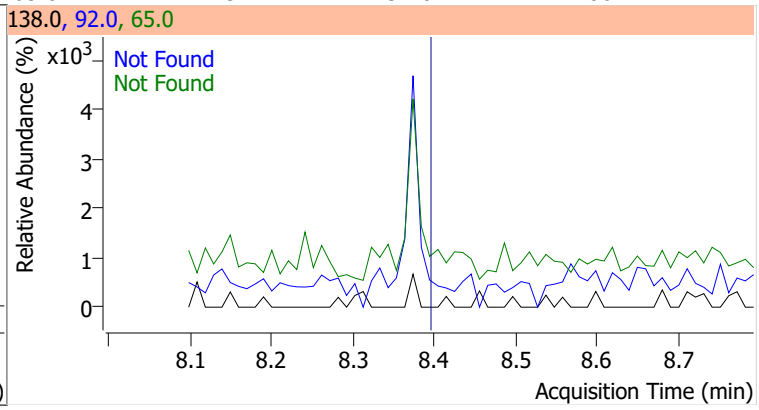
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



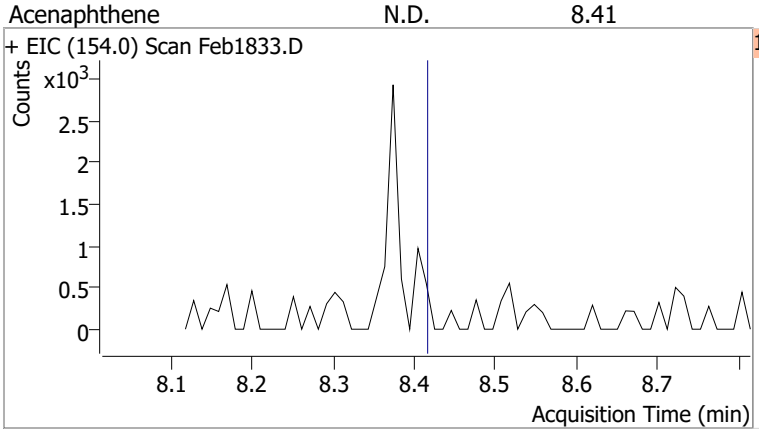


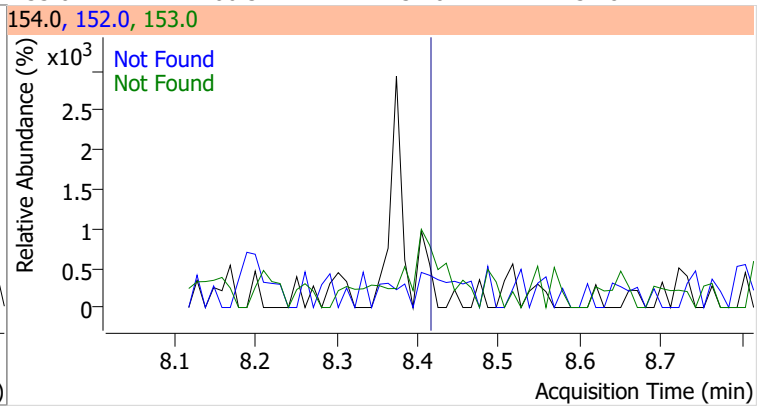
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



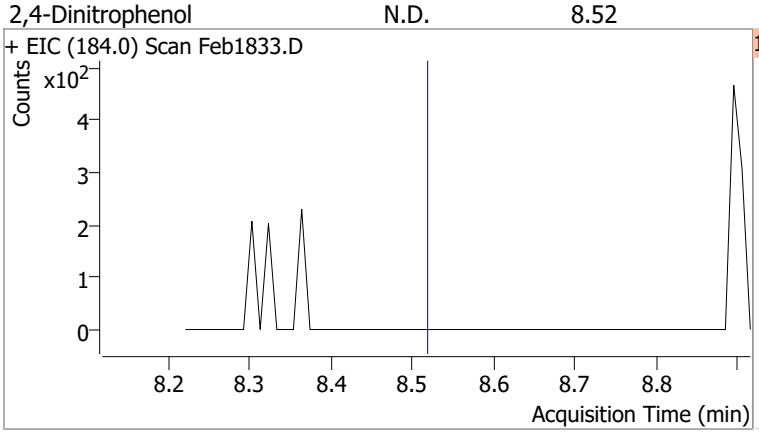


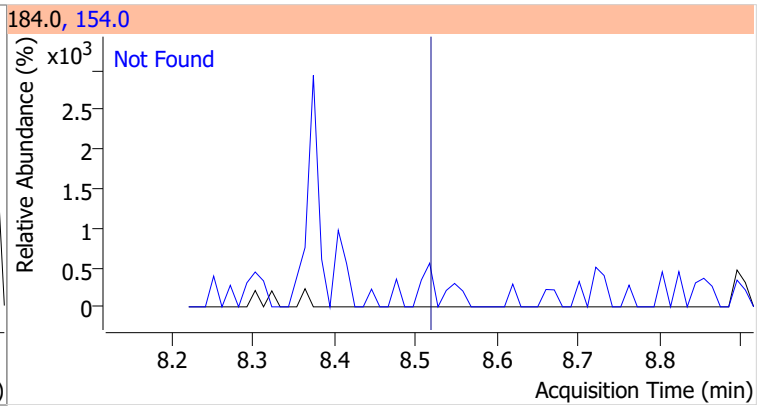
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



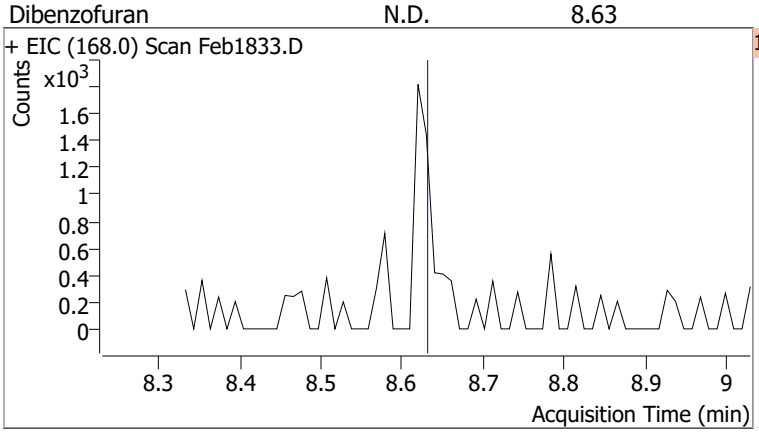


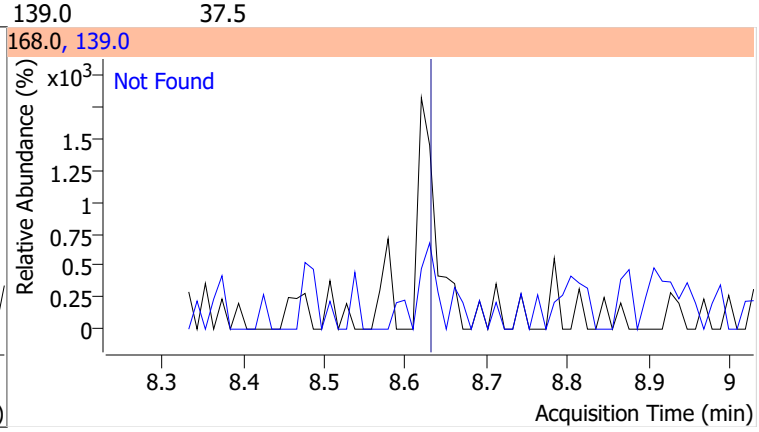
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



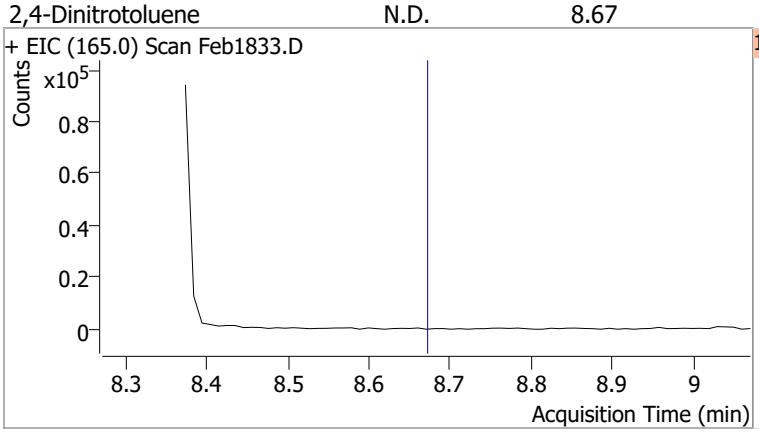


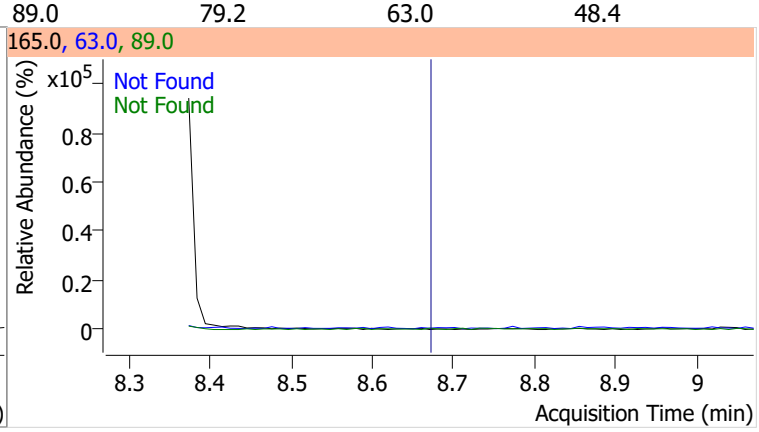
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



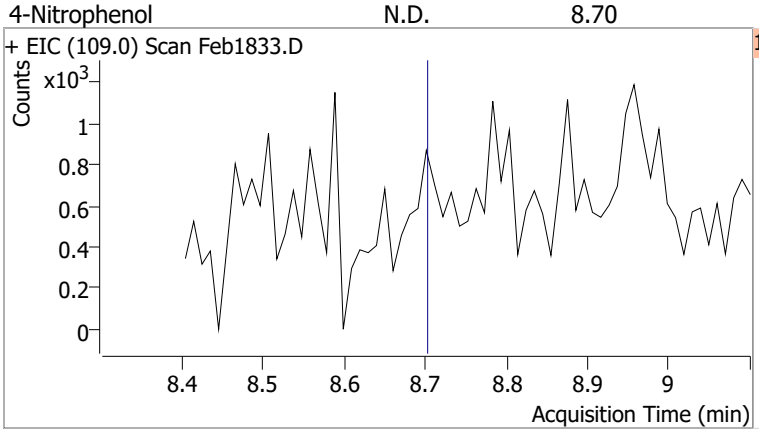


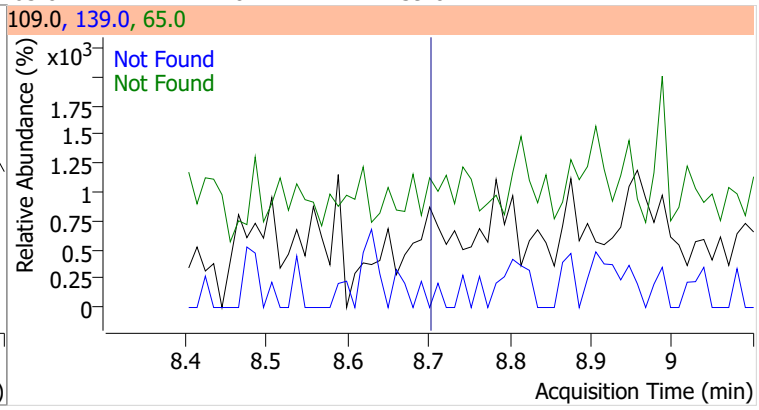
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



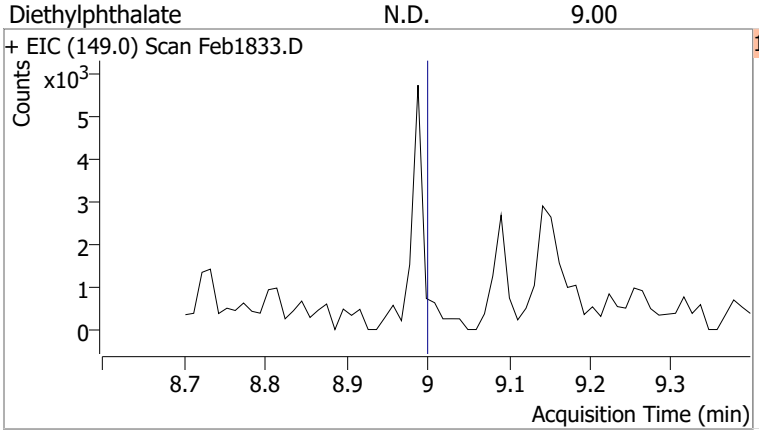


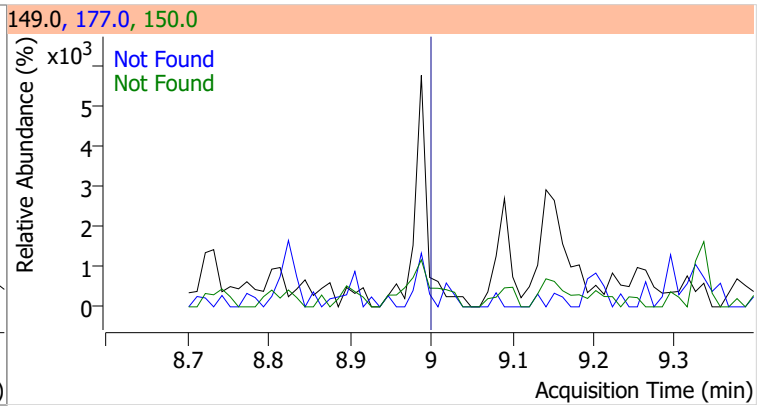
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



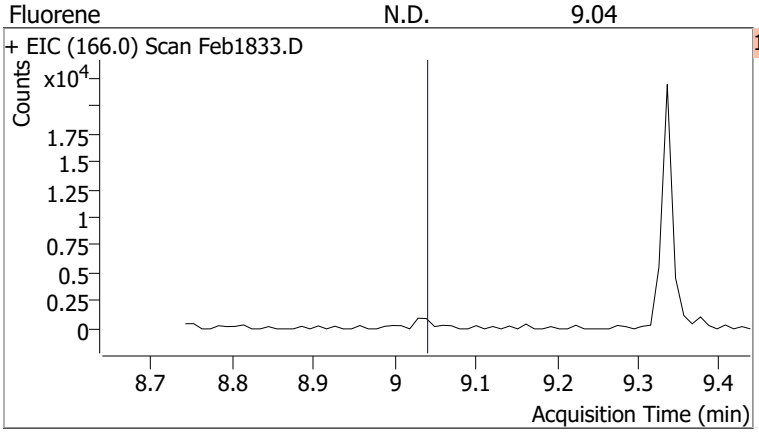


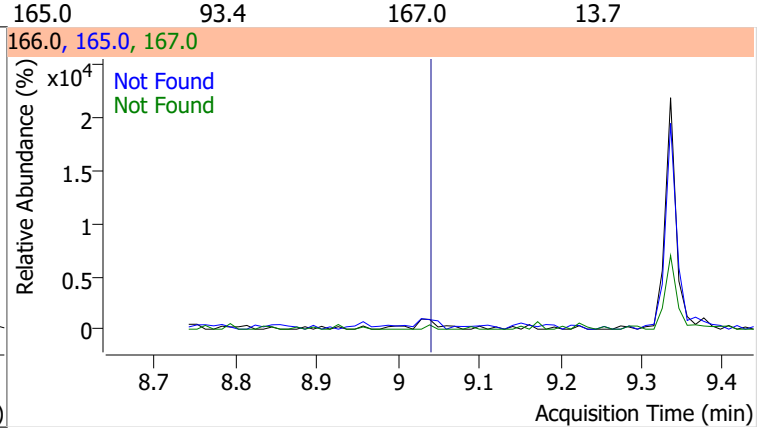
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



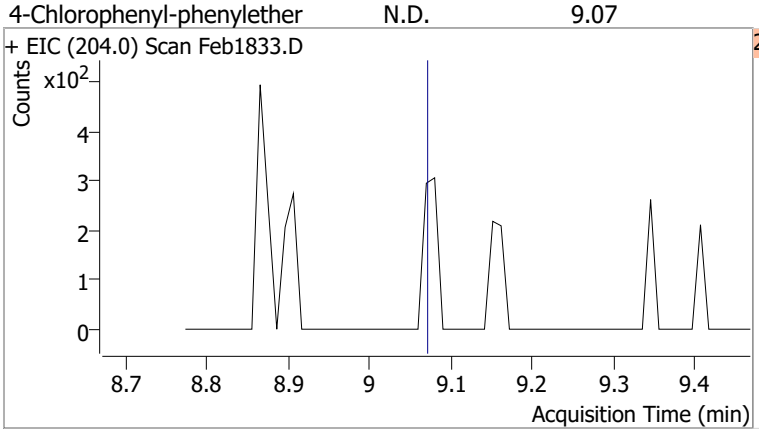


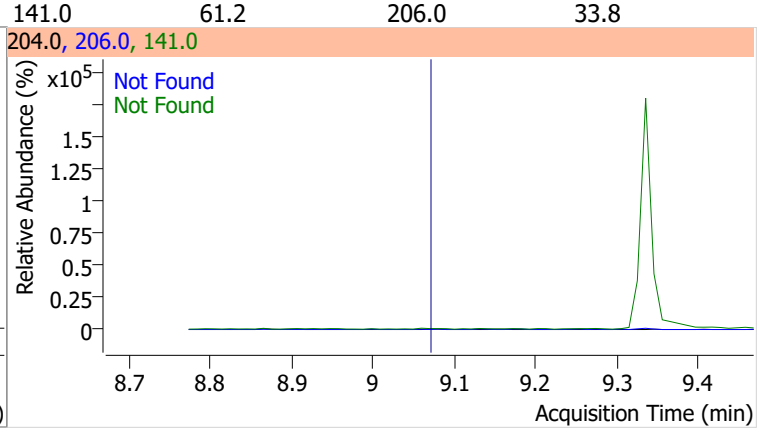
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



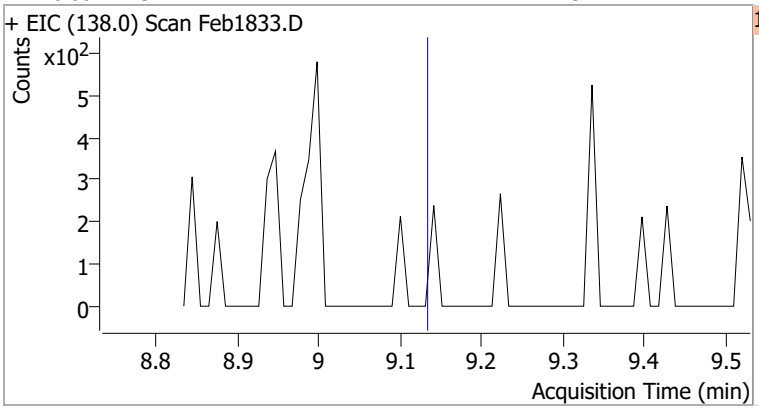


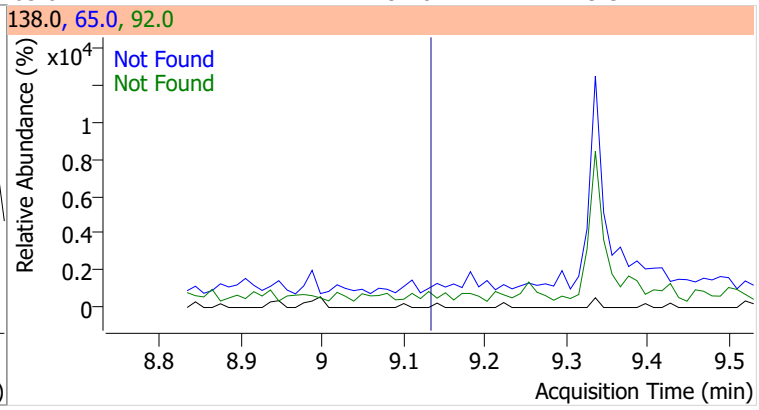
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



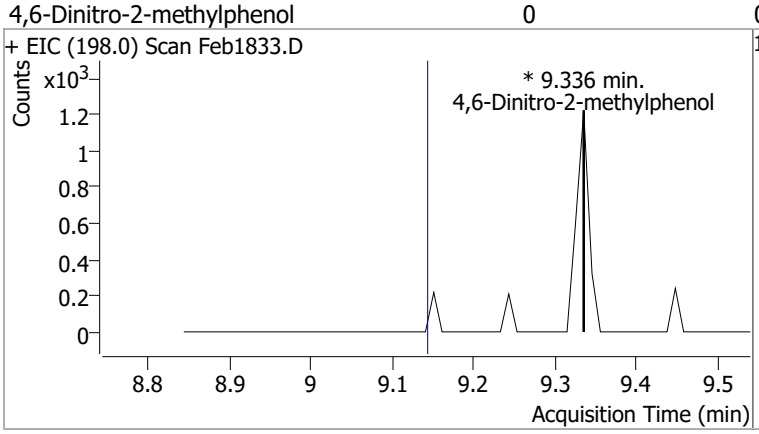


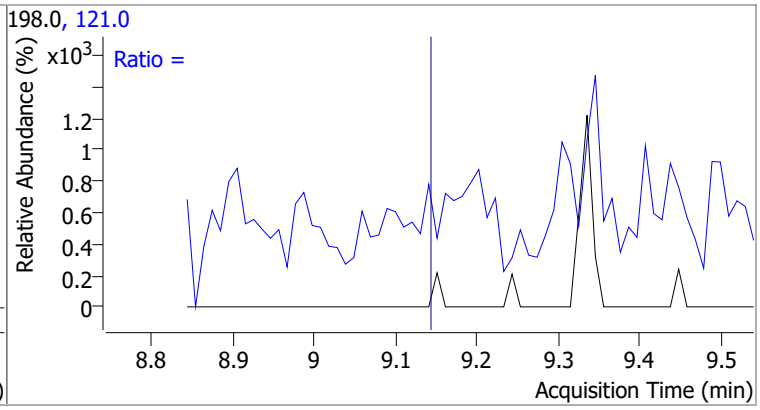
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



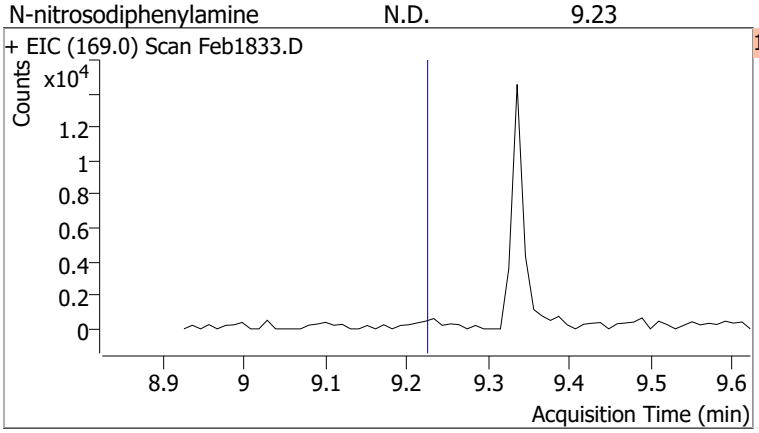


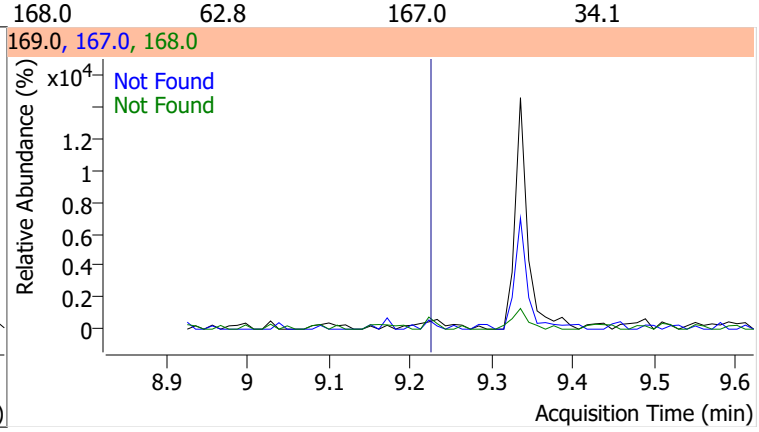
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



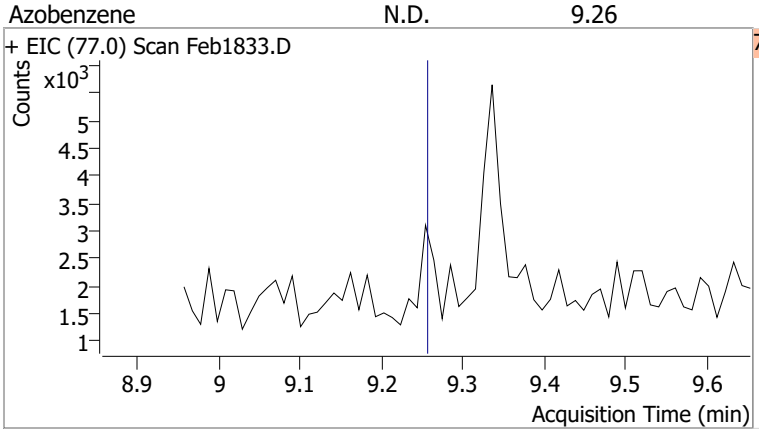


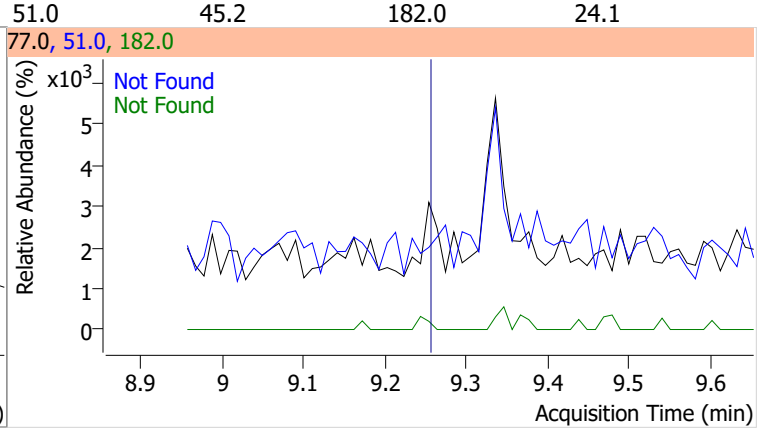
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



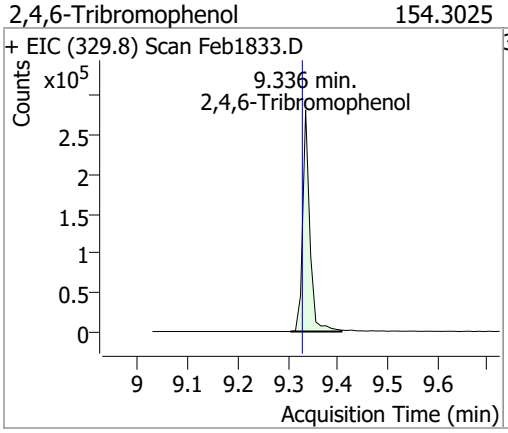


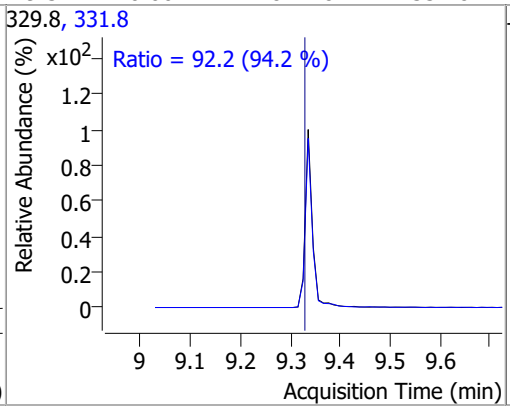
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

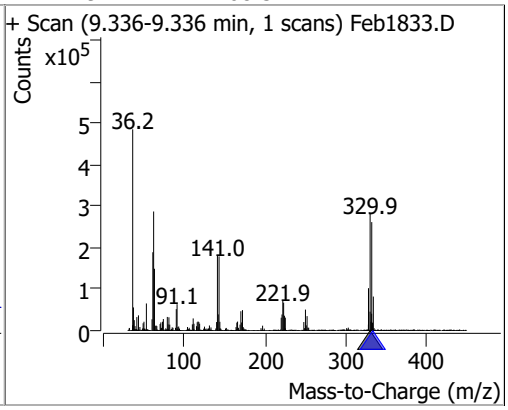




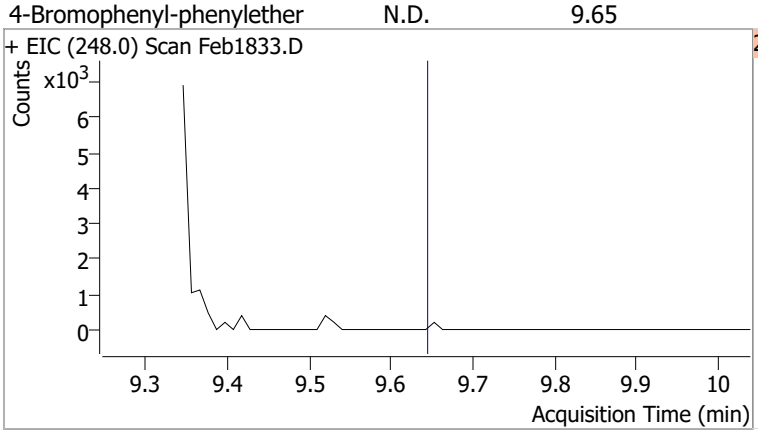
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	154.3025	9.34	0.00	281248	331.8	92.2	68.5	127.2

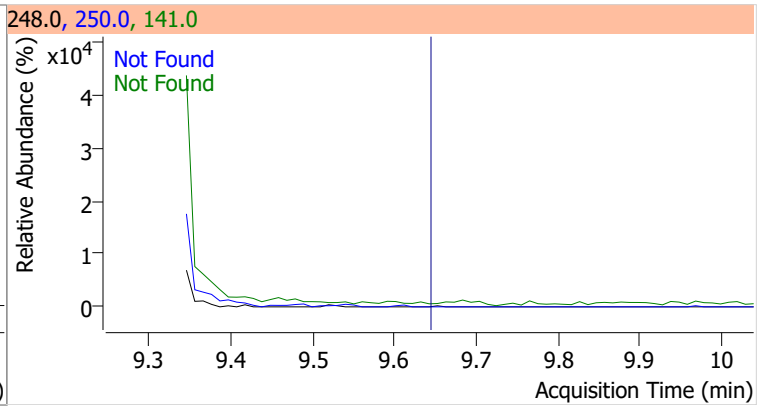




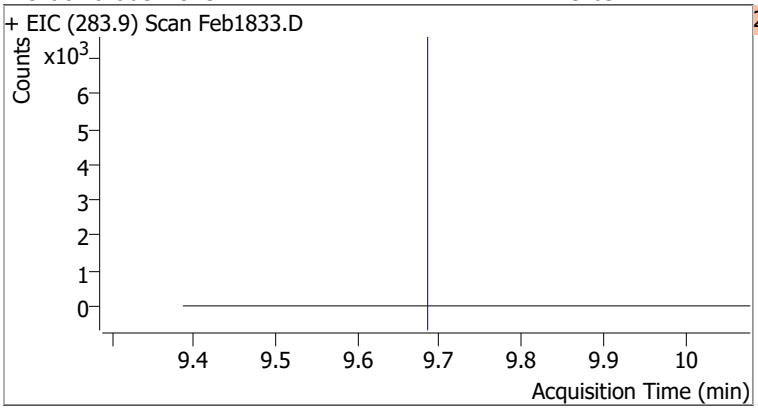


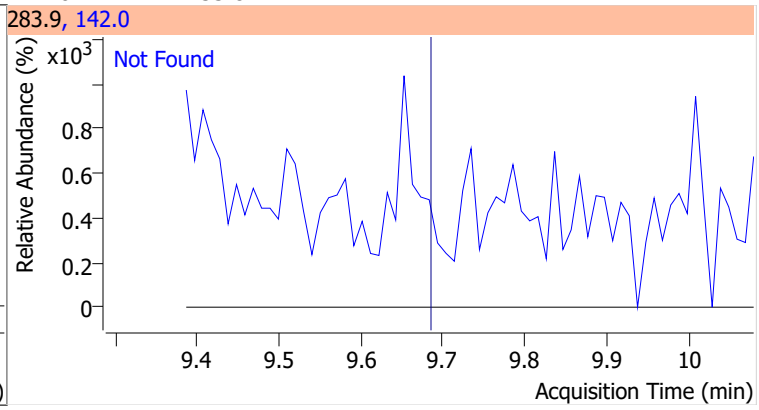
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



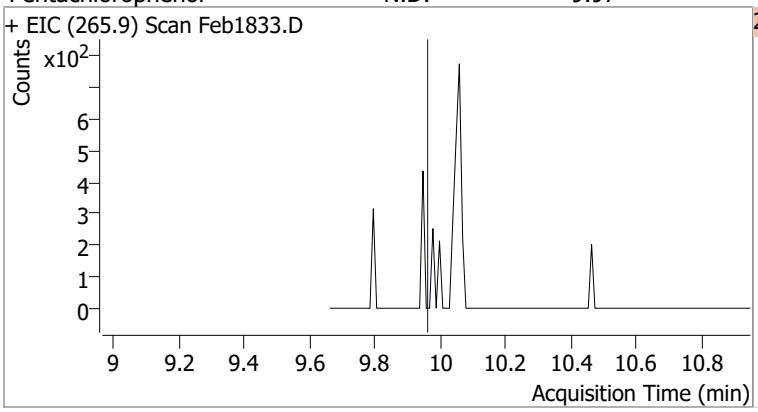


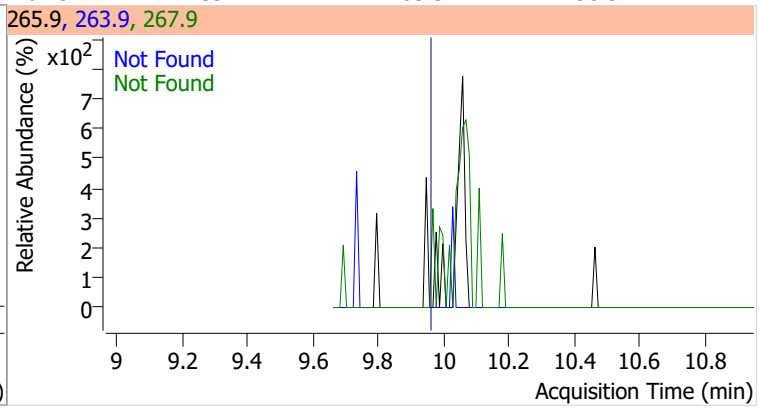
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



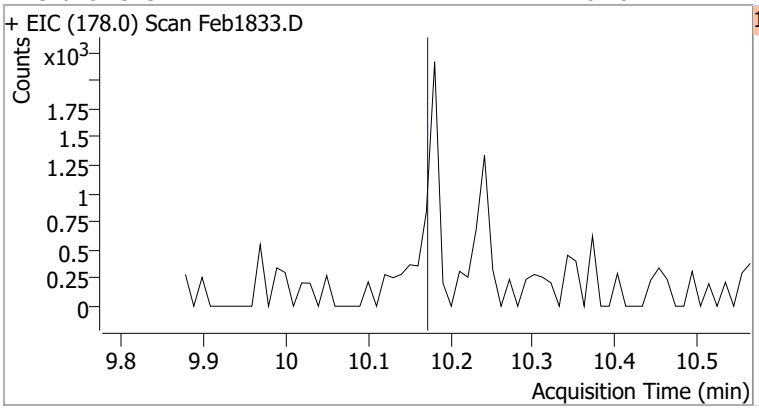


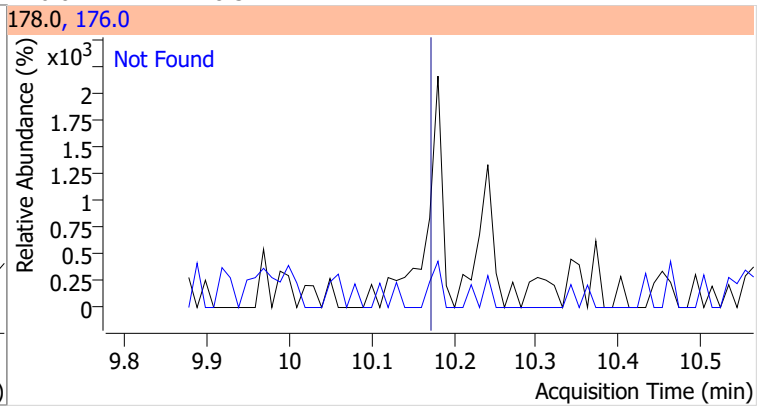
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



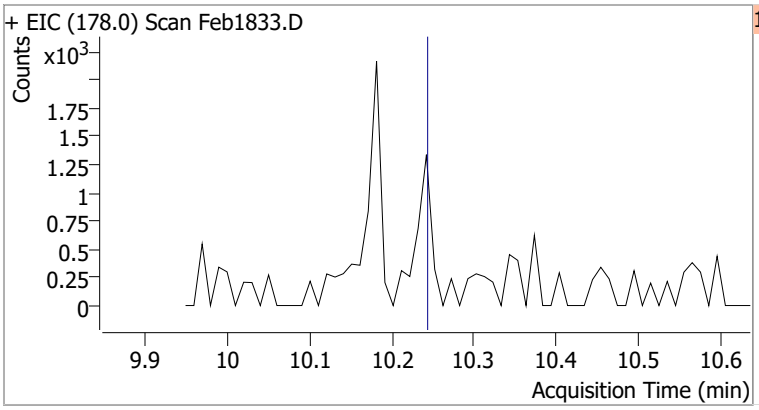


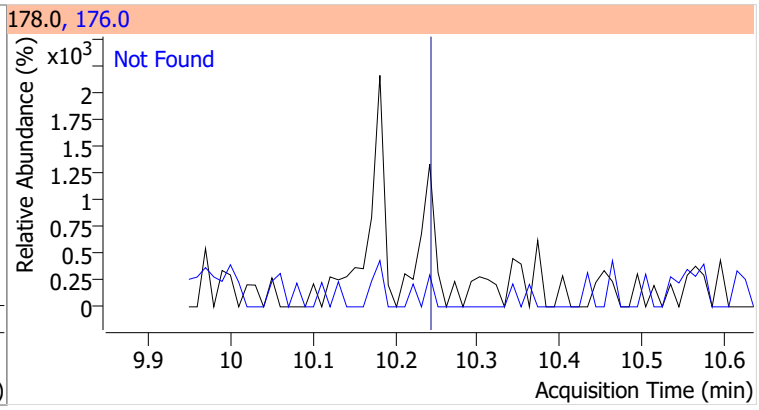
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



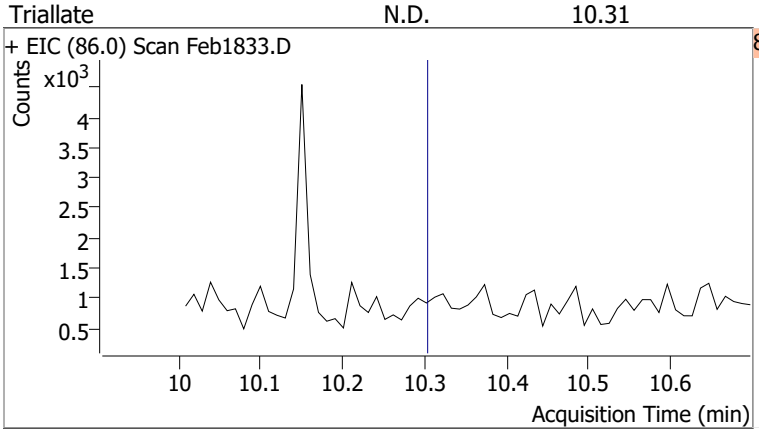


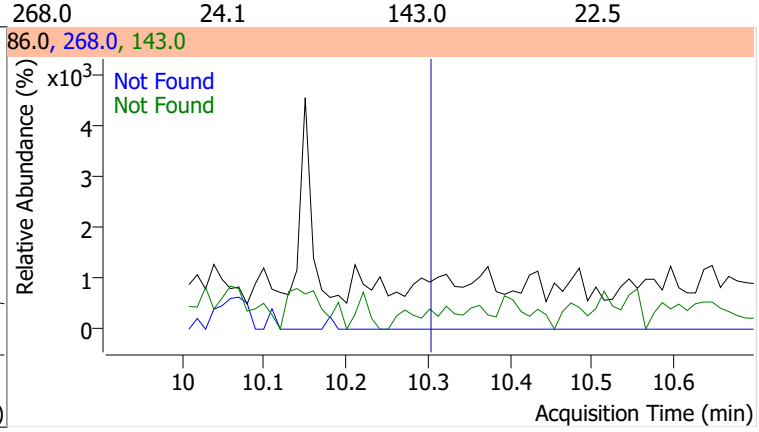
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



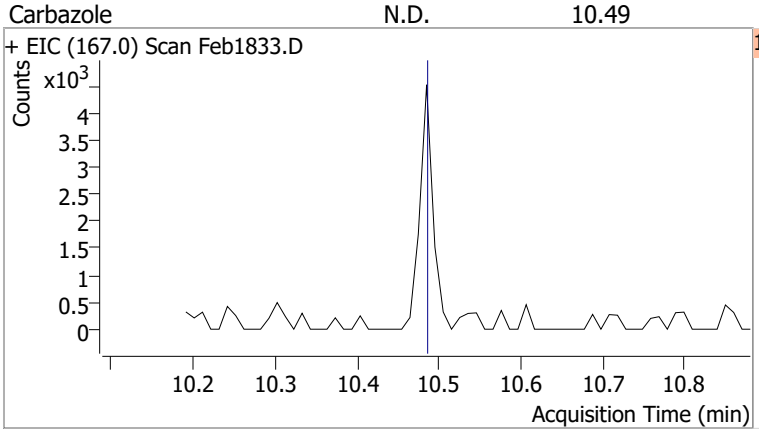


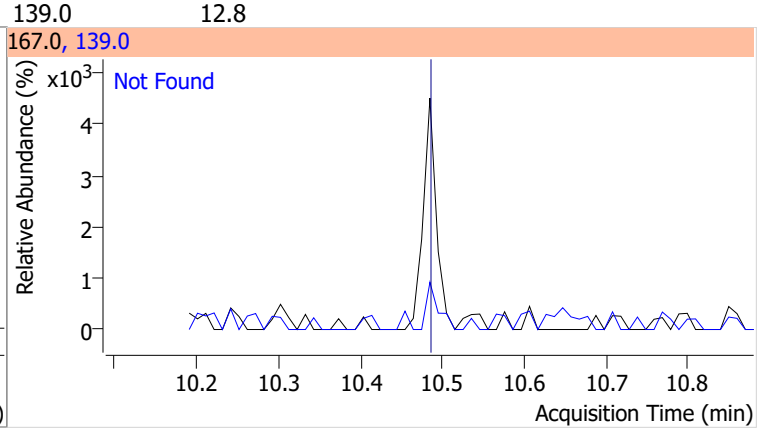
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



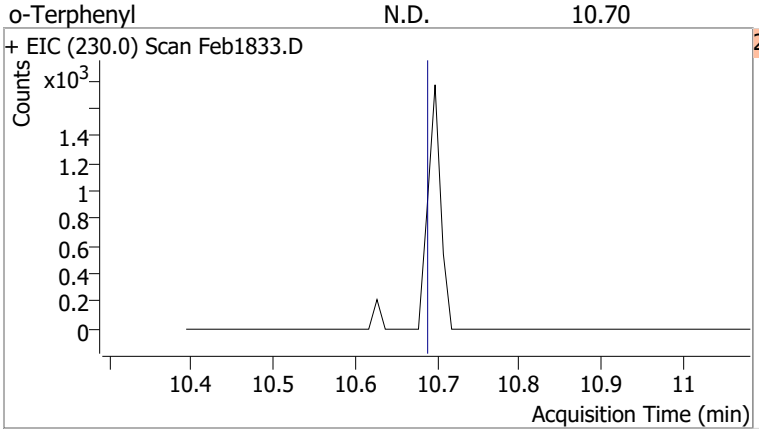


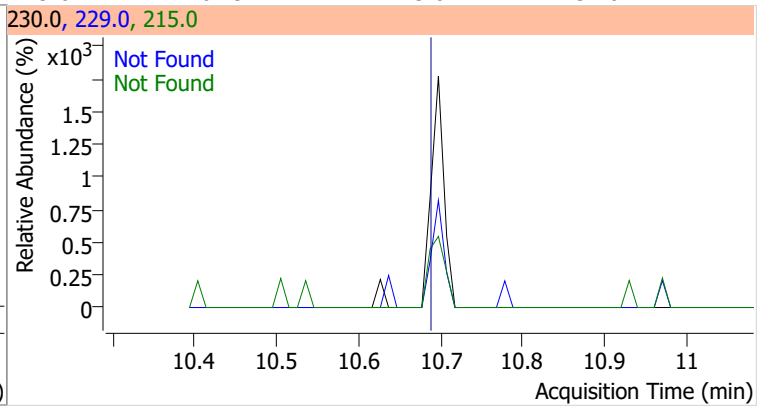
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



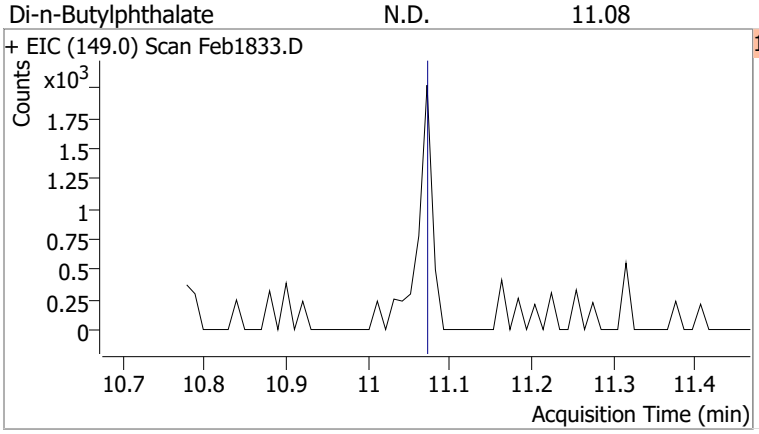


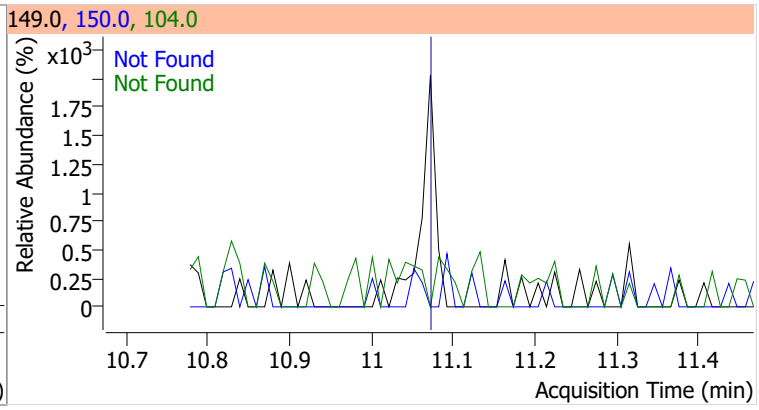
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



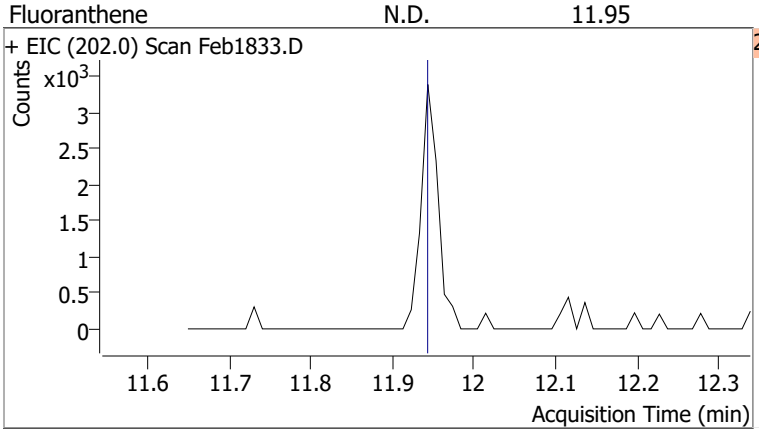


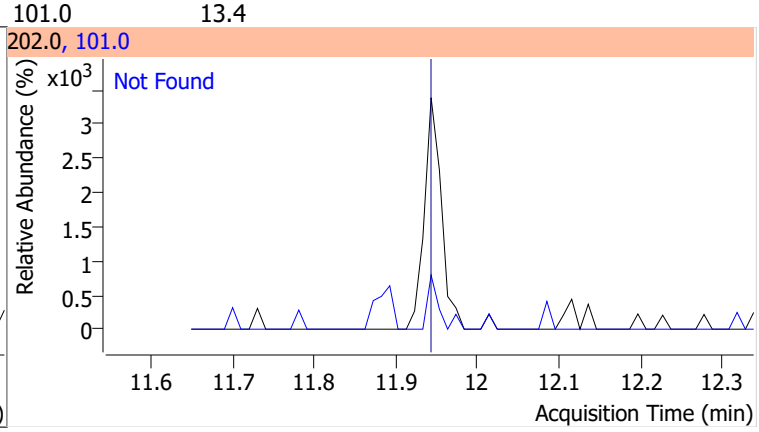
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



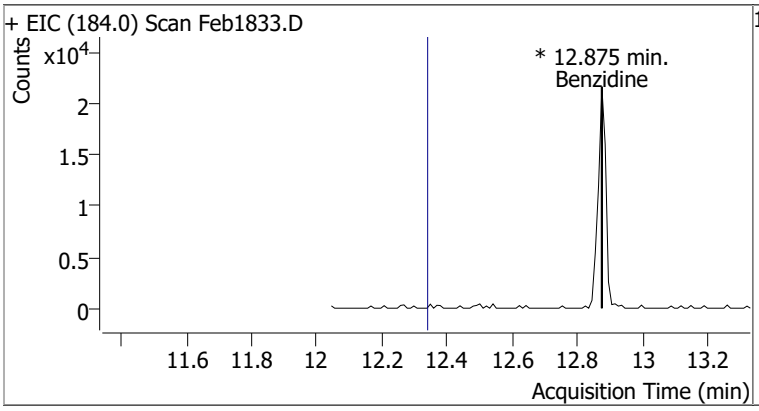


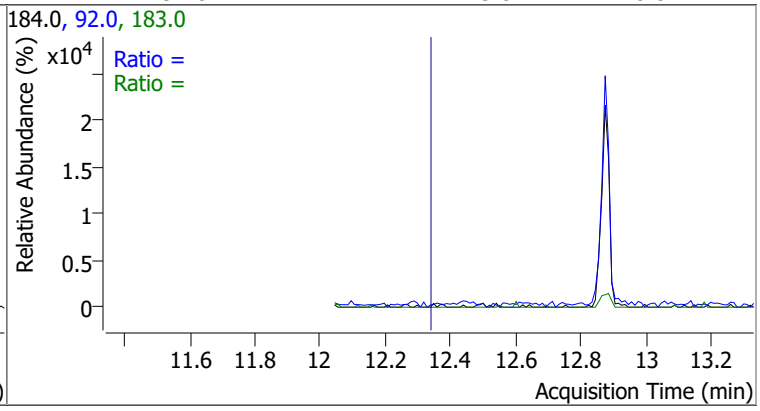
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



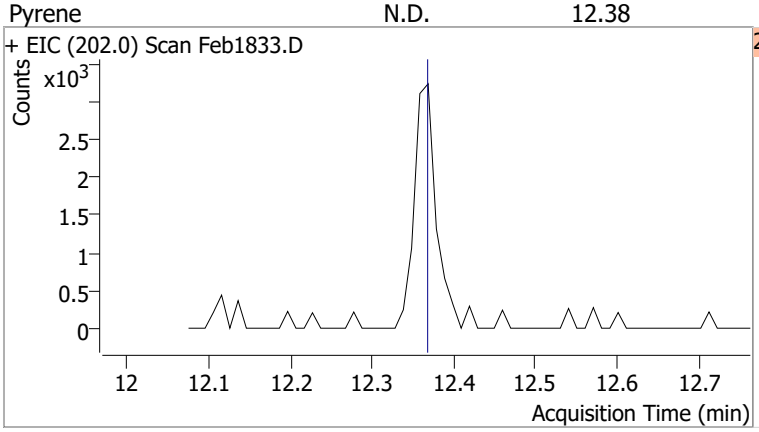


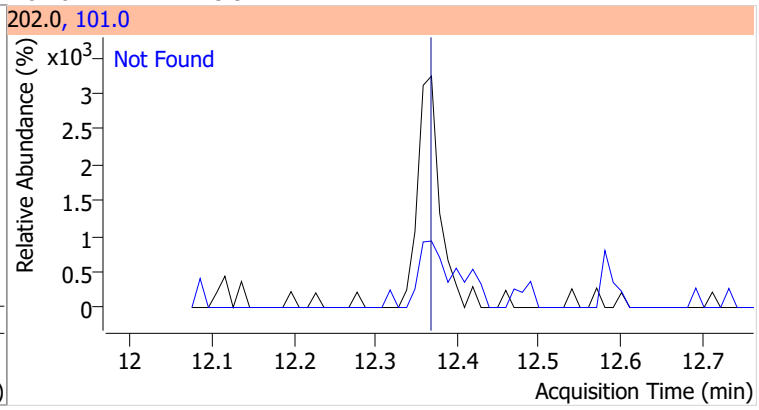
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



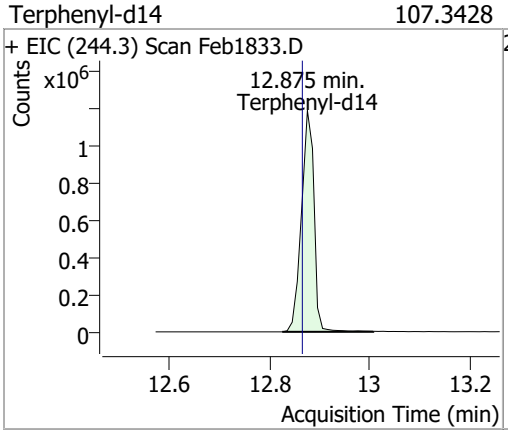


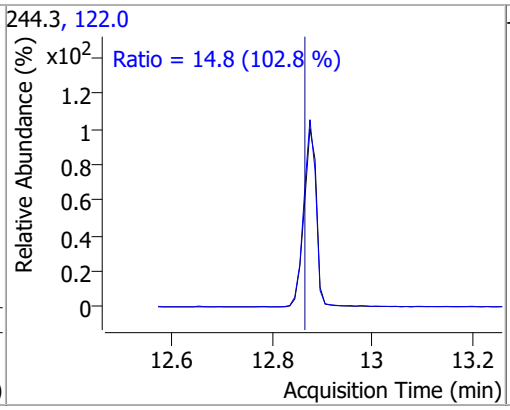
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

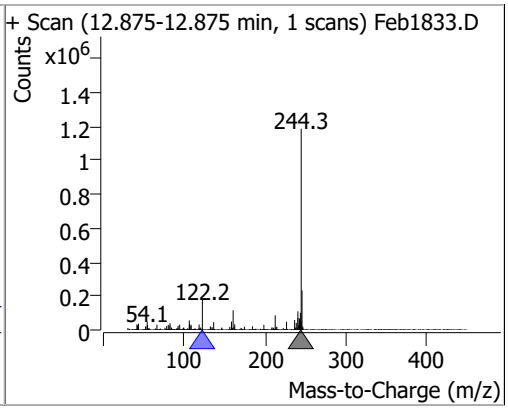




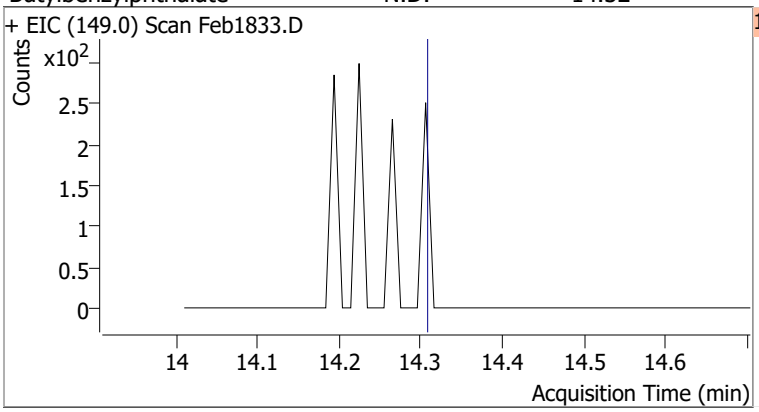
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	107.3428	12.88	0.00	2079253	122.0	14.8	10.1	18.7

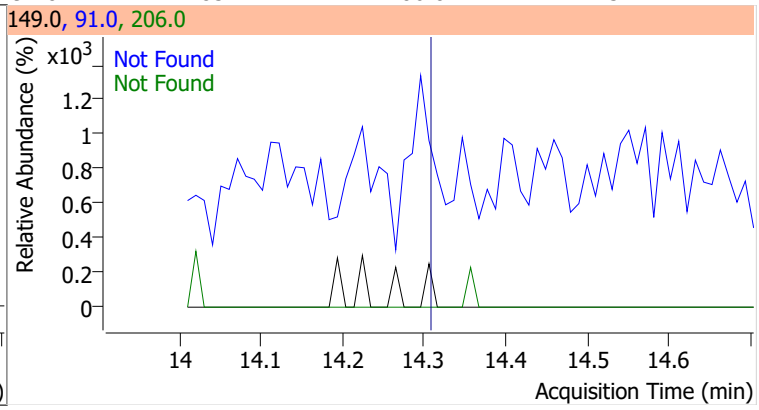




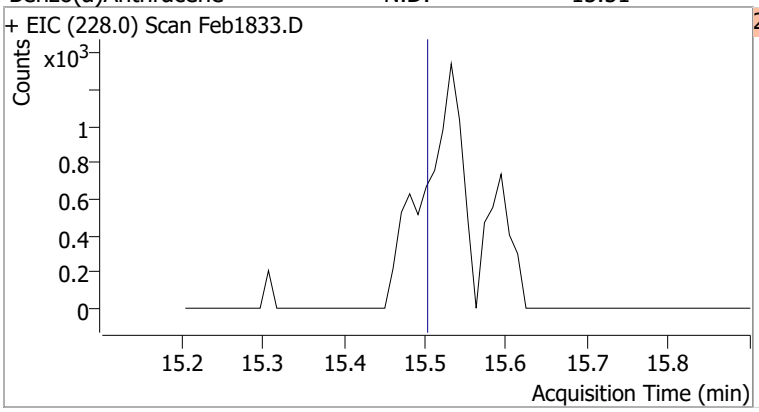


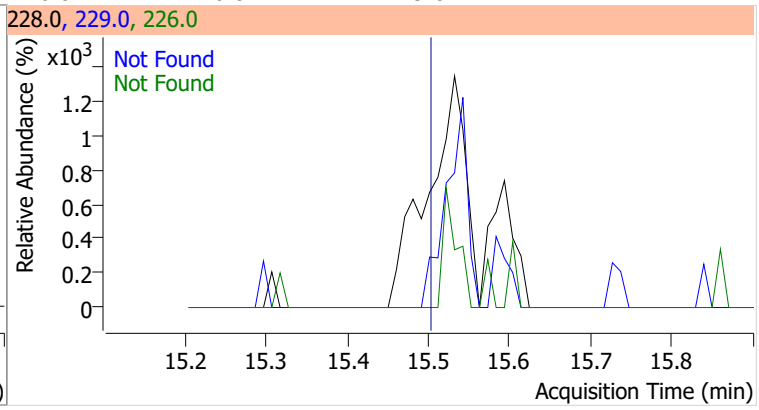
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



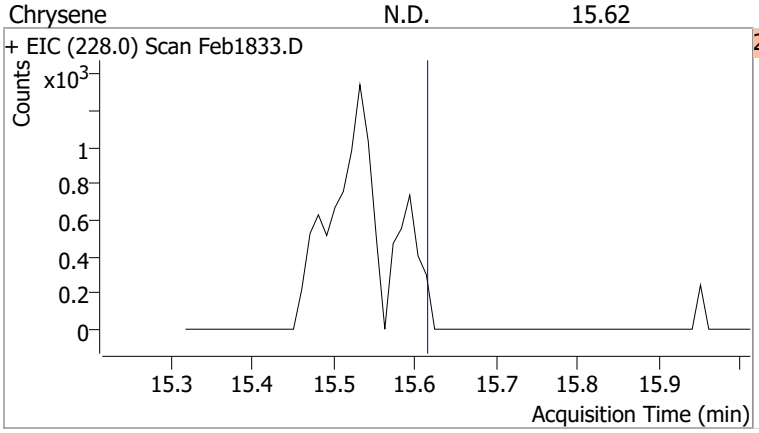


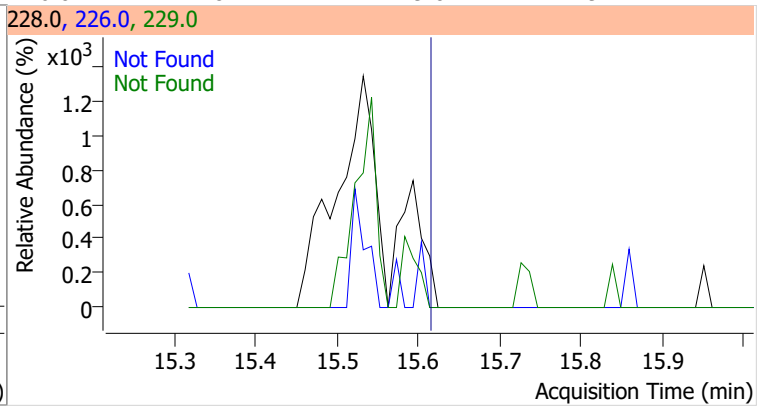
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



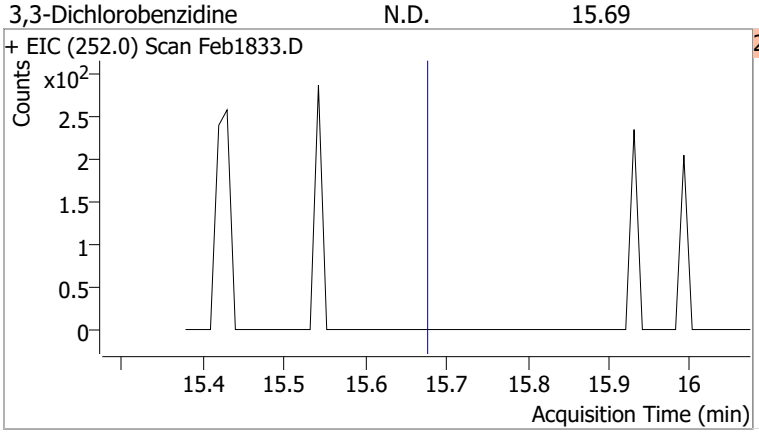


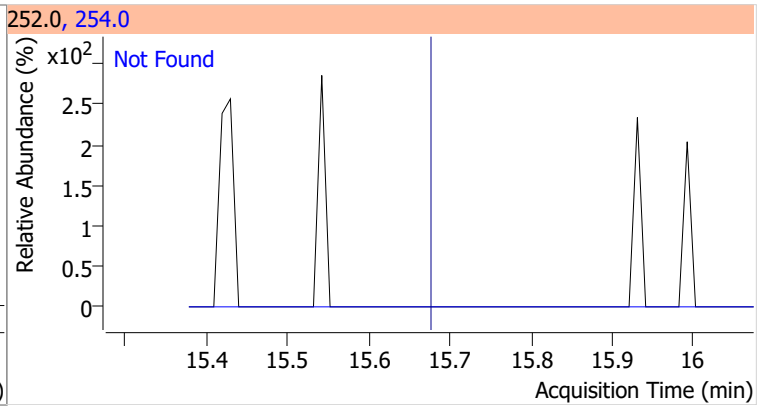
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



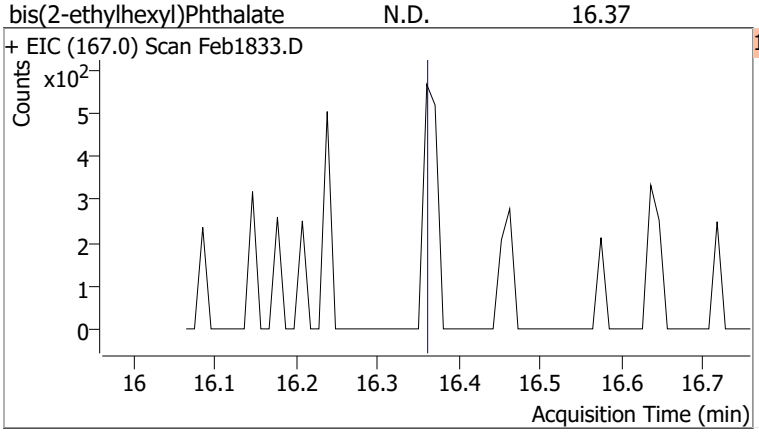


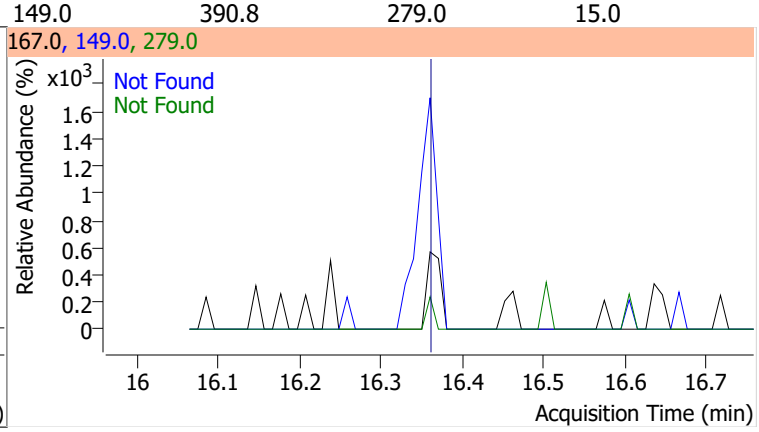
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



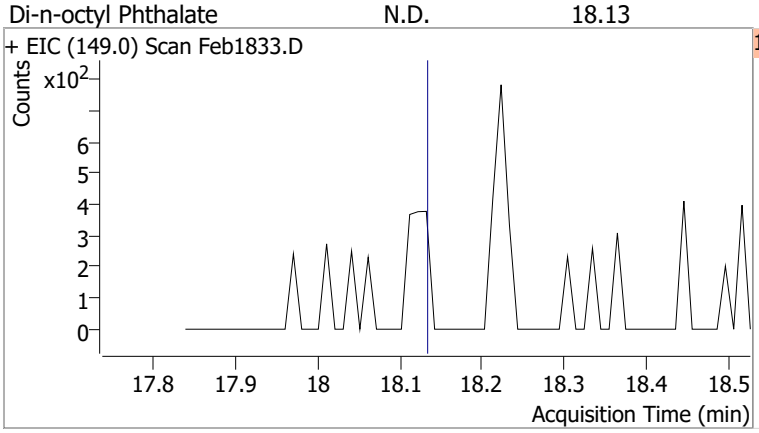


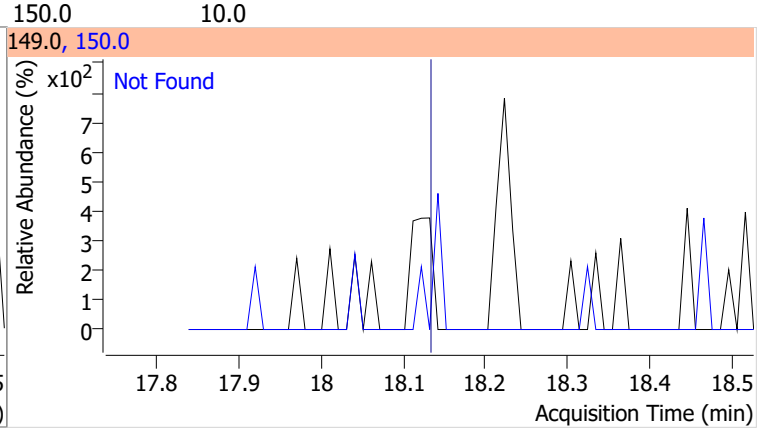
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



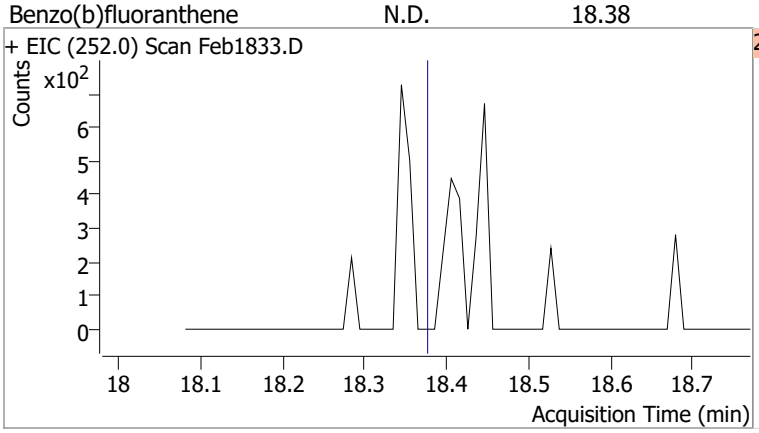


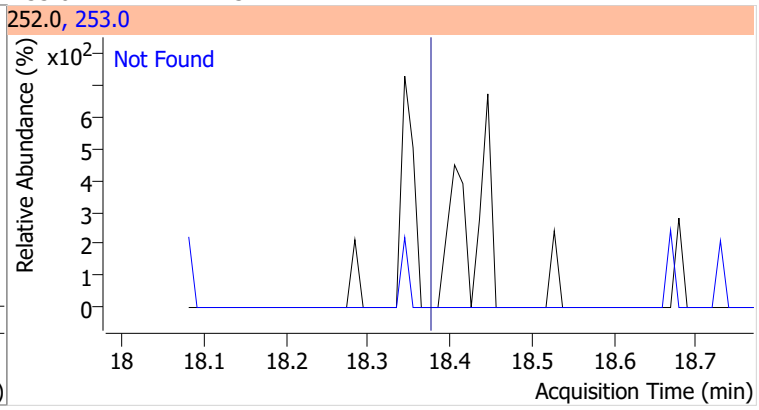
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



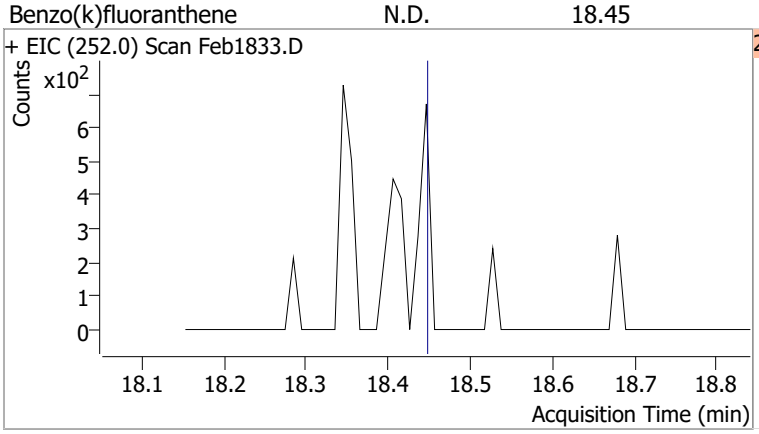


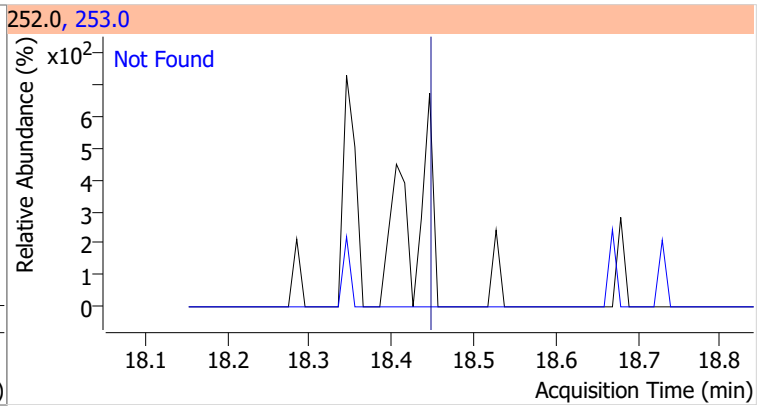
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



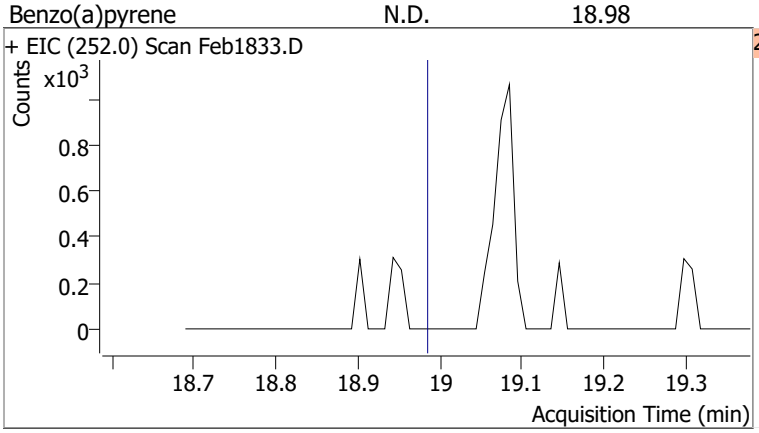


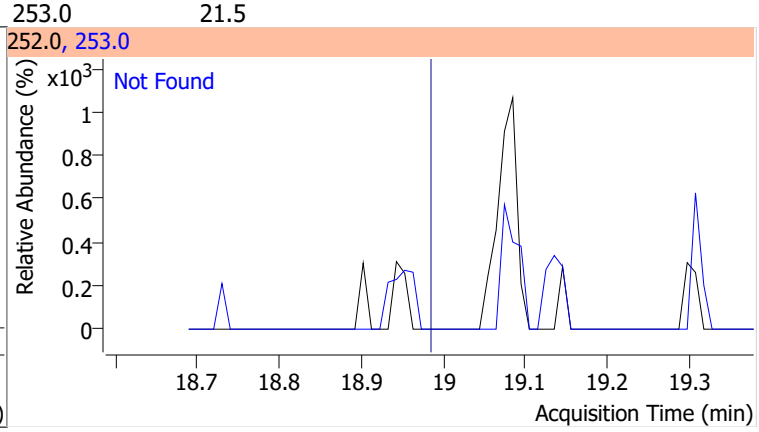
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



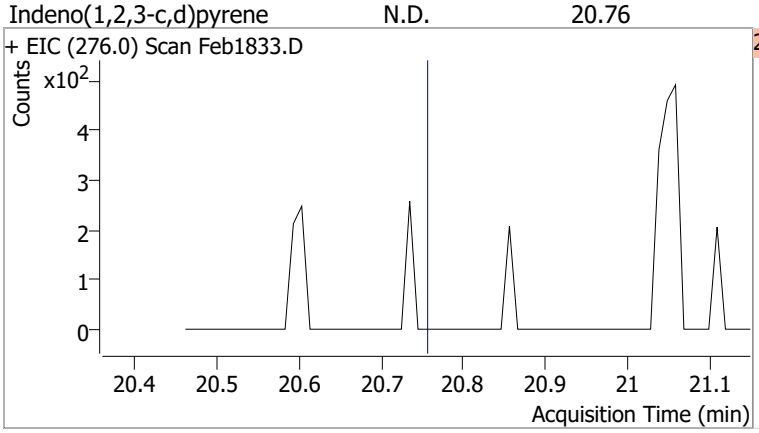


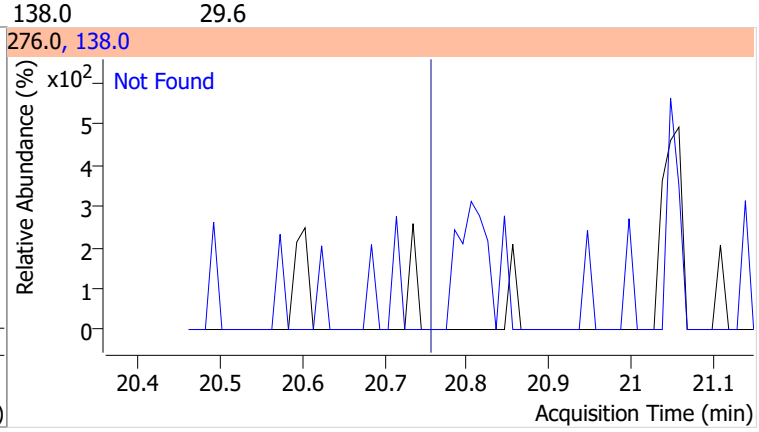
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



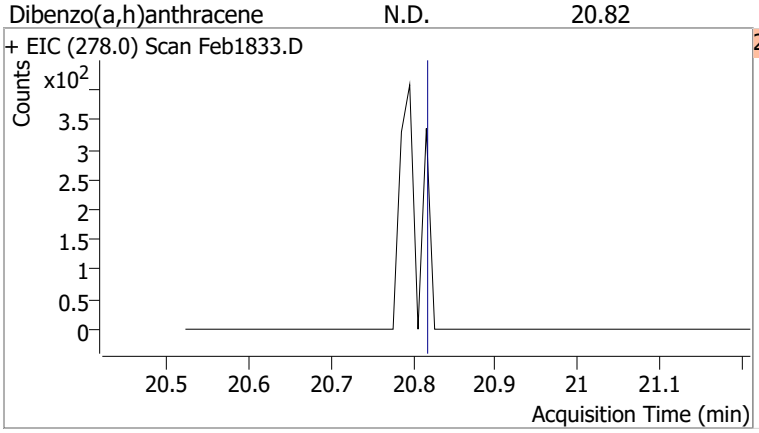


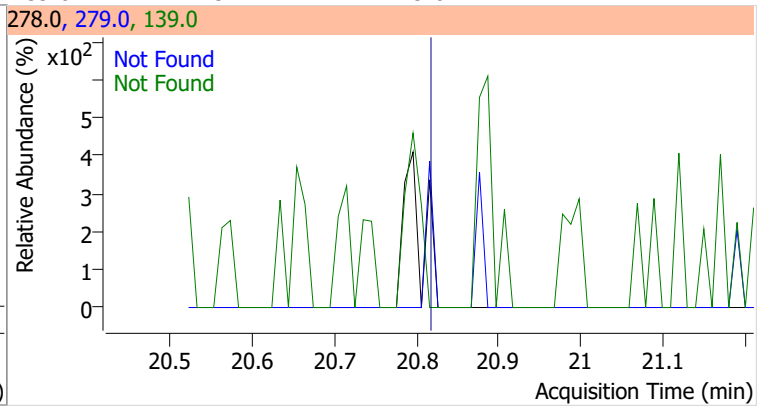
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



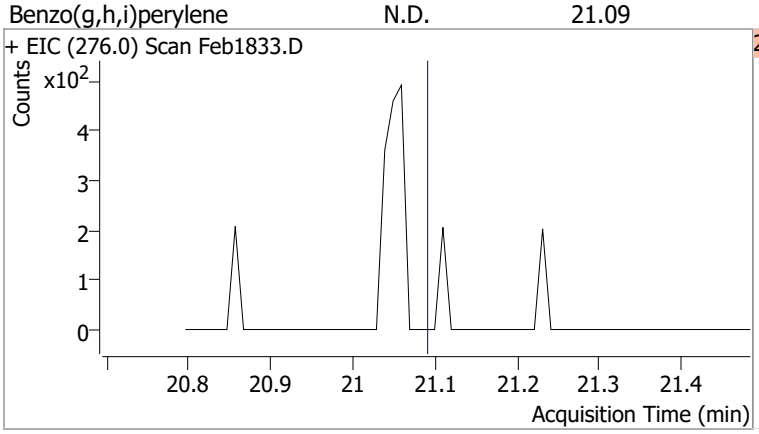


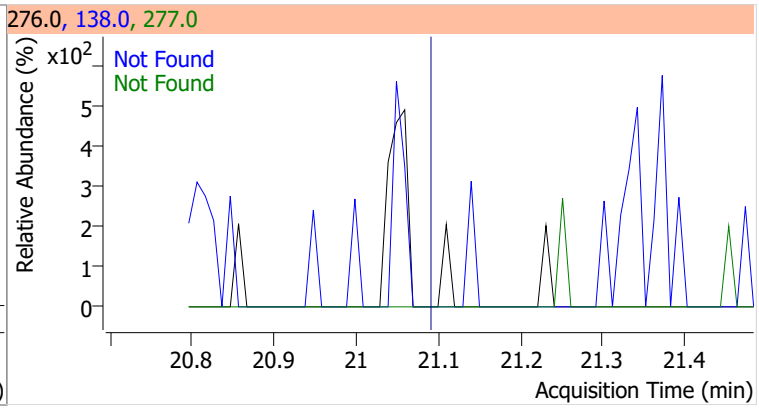
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





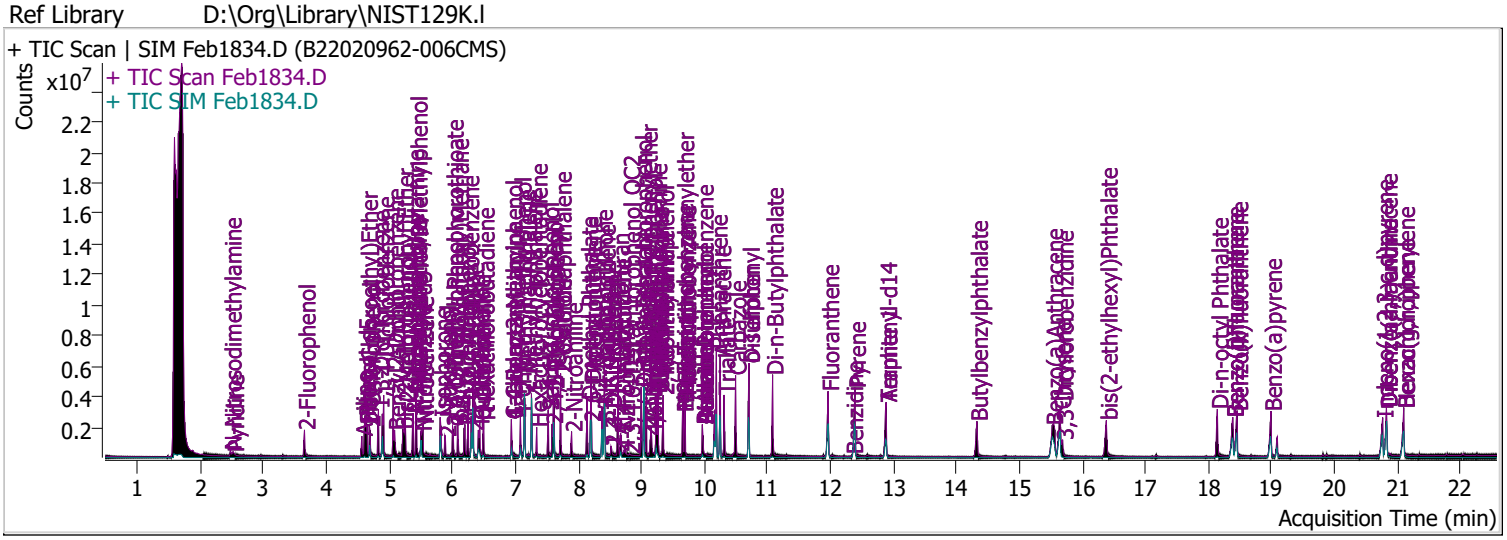
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1834.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/20/2022 1:36:02 AM
Sample Name	B22020962-006CMS	Instrument	Instrument #1
Vial	34	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



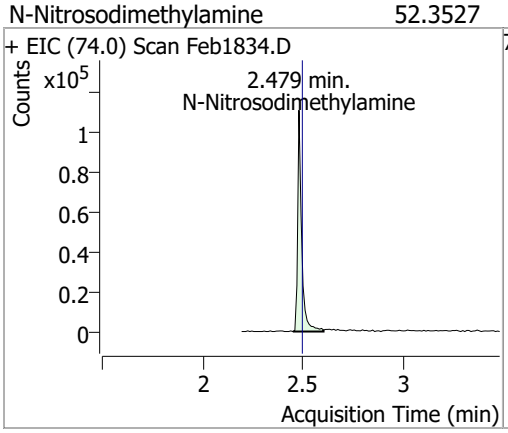
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	645109	65.6466	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 32.82%			
S Phenol-d5	4.613	99.0	927512	72.8508	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 36.43%			
S Nitrobenzene-d5	5.502	82.0	531086	74.9036	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 74.90%			
S 2-Fluorobiphenyl	7.605	172.0	1623329	79.0266	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 79.03%			
S 2,4,6-Tribromophenol	9.346	329.8	352926	167.7483	µg/L		0.010
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 83.87%			
S Terphenyl-d14	12.885	244.3	2066650	94.9708	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 94.97%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.479	74.0	150840	52.3527	µg/L		86
T Pyridine	2.520	79.0	224799	30.9340	µg/L		100
T Aniline	4.562	93.0	604908	33.3012	µg/L	m	98
T Phenol	4.624	94.0	597443	42.5909	µg/L		93
T bis(-2-Chloroethyl)Ether	4.644	63.0	697185	72.7472	µg/L		98
T 2-Chlorophenol	4.685	128.0	677686	59.5005	µg/L		99
T 1,3-Dichlorobenzene	4.828	146.0	952720	65.0964	µg/L		99
T 1,4-Dichlorobenzene	4.910	146.0	945477	63.8274	µg/L	m	97
T 1,2-Dichlorobenzene	5.063	146.0	938307	65.8439	µg/L	m	99
T Benzyl Alcohol	5.083	108.0	359276	64.8063	µg/L		96
T bis(2-chloroisopropyl)Ether	5.216	121.0	253823	66.2467	µg/L		99
T 2-Methylphenol	5.247	107.0	708996	71.9634	µg/L		92
T N-nitroso-Di-n-propylamine	5.379	70.0	650342	94.3830	µg/L		100
T 4Methylphenol/3Methylphenol	5.430	107.0	853065	63.1785	µg/L		99
T Hexachloroethane	5.420	117.0	275877	63.9485	µg/L		94

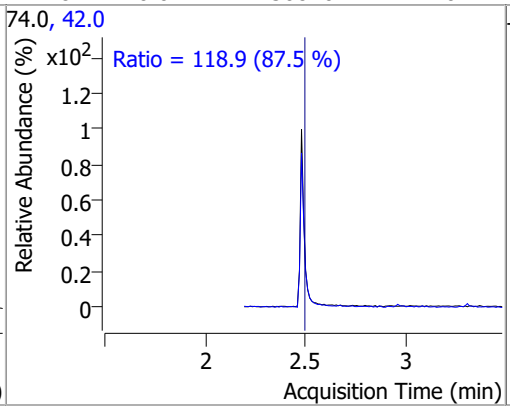
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.533	123.1	286532	80.0886	µg/L		95
T Isophorone	5.808	82.0	1338514	79.0924	µg/L		99
T 2-Nitrophenol	5.890	139.0	309168	81.1263	µg/L		98
T 2,4-Dimethylphenol	6.003	122.0	539972	68.1115	µg/L		97
T bis(-2-Chloroethoxy)Methane	6.085	93.0	752360	76.3603	µg/L		96
T 2,4-Dichlorophenol	6.198	162.0	518231	68.9766	µg/L		97
T Benzoic Acid	6.198	105.0	109416	31.7046	µg/L		83
T 1,2,4-Trichlorobenzene	6.249	180.0	667986	73.7879	µg/L		100
T Naphthalene	6.331	128.0	2168682	81.0159	µg/L		99
T 4-Chlorophenol	6.414	130.0	177977	63.1013	µg/L		94
T p-Chloroaniline	6.434	127.0	606256	57.1561	µg/L		96
T Hexachlorobutadiene	6.496	224.9	315961	67.5557	µg/L		99
T 4-Chloro-2-Methylphenol	6.937	107.0	501368	71.5582	µg/L		100
T 4-Chloro-3-Methylphenol	7.081	107.0	594679	81.5901	µg/L		99
T 2-Methylnaphthalene	7.143	141.0	1223145	80.3439	µg/L		100
T 1-Methylnaphthalene	7.256	141.0	1103897	74.4154	µg/L	m	99
T Hexachlorocyclopentadiene	7.338	236.9	192735	67.1340	µg/L		98
T 2,4,6-Trichlorophenol	7.523	196.0	421465	83.0473	µg/L		100
T 2,4,5-Trichlorophenol	7.584	196.0	434426	76.7711	µg/L		93
T 2-Chloronaphthalene	7.718	162.0	1408587	81.6627	µg/L		98
T 2-Nitroaniline	7.892	65.0	263895	85.4491	µg/L		96
T Dimethyl Phthalate	8.139	163.0	1695536	96.2229	µg/L		99
T 2,6-Dinitrotoluene	8.190	165.0	190884	80.0727	µg/L		95
T Acenaphthylene	8.200	152.1	2152129	78.0254	µg/L		99
T 3-Nitroaniline	8.405	138.0	193383	72.0309	µg/L		97
T Acenaphthene	8.415	154.0	1332870	84.5290	µg/L		100
T 2,4-Dinitrophenol	8.517	184.0	110356	89.1160	µg/L		100
T Dibenzofuran	8.630	168.0	2196371	85.2274	µg/L		96
T 2,4-Dinitrotoluene	8.671	165.0	269373	89.0017	µg/L		98
T 4-Nitrophenol	8.722	109.0	109662	40.0312	µg/L		97
T Diethylphthalate	8.998	149.0	1654162	90.7745	µg/L		100
T Fluorene	9.039	166.0	1714166	82.6529	µg/L		99
T 4-Chlorophenyl-phenylether	9.080	204.0	879734	93.4541	µg/L		100
T 4-Nitroaniline	9.152	138.0	254928	83.8914	µg/L		99
T 4,6-Dinitro-2-methylphenol	9.162	198.0	169938	90.0177	µg/L		96
T N-nitrosodiphenylamine	9.233	169.0	1247962	87.5641	µg/L		100
T Azobenzene	9.264	77.0	1463882	77.9719	µg/L		94
T 4-Bromophenyl-phenylether	9.663	248.0	476791	87.6810	µg/L		98
T Hexachlorobenzene	9.694	283.9	451323	82.4116	µg/L		86
T Pentachlorophenol	9.968	265.9	276227	102.4248	µg/L		94
T Phenanthrene	10.191	178.0	2581644	87.8067	µg/L		100
T Anthracene	10.252	178.0	2449636	87.7626	µg/L	m	99
T Triallate	10.313	86.0	601753	89.0534	µg/L		98
T Carbazole	10.495	167.0	2425578	85.5831	µg/L		98
T o-Terphenyl	10.708	230.0	1301022	82.9332	µg/L		99
T Di-n-Butylphthalate	11.082	149.0	2828118	101.1987	µg/L		99
T Fluoranthene	11.964	202.0	2589198	87.3035	µg/L		99
T Benzidine	12.349	184.0	53736	6.1618	µg/L	m	97
T Pyrene	12.389	202.0	2763392	85.5213	µg/L		100
T Butylbenzylphthalate	14.326	149.0	945370	98.2176	µg/L		96
T Benzo(a)Anthracene	15.522	228.0	2298379	95.6039	µg/L		99
T Chrysene	15.645	228.0	2411425	90.0284	µg/L		98
T 3,3-Dichlorobenzidine	15.686	252.0	458296	56.3068	µg/L		98
T bis(2-ethylhexyl)Phthalate	16.381	167.0	315148	95.6127	µg/L		98
T Di-n-octyl Phthalate	18.143	149.0	2135519	90.6058	µg/L		99

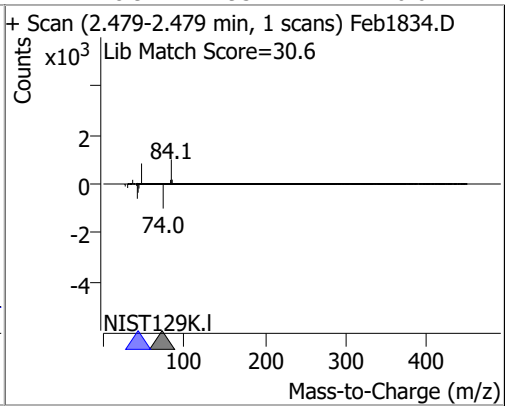
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.386	252.0	2107479	83.9985	µg/L	100
T Benzo(k)fluoranthene	18.457	252.0	2208240	83.4719	µg/L	99
T Benzo(a)pyrene	18.993	252.0	1917636	80.4892	µg/L	98
T Indeno(1,2,3-c,d)pyrene	20.765	276.0	1663779	83.2917	µg/L	97
T Dibenzo(a,h)anthracene	20.826	278.0	1871892	86.0060	µg/L	99
T Benzo(g,h,i)perylene	21.100	276.0	1903321	82.6142	µg/L	98

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

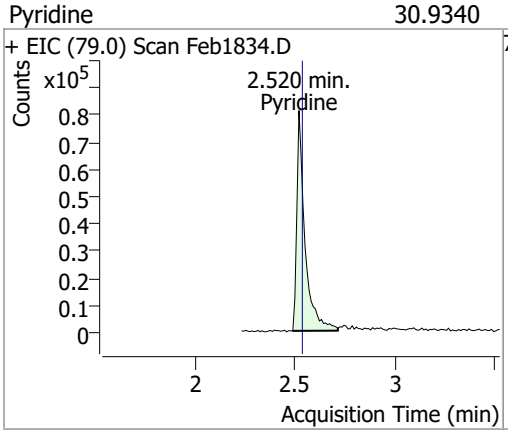
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	52.3527	2.48	-0.01	150840	42.0	118.9	95.1	176.6

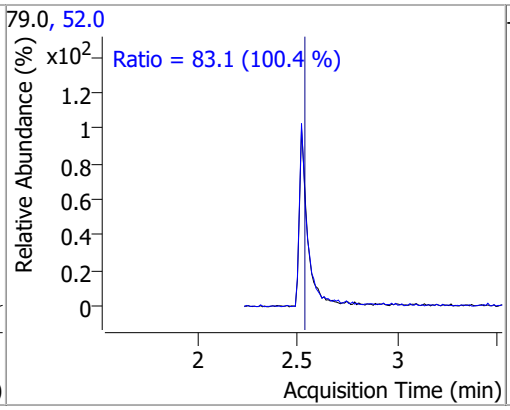


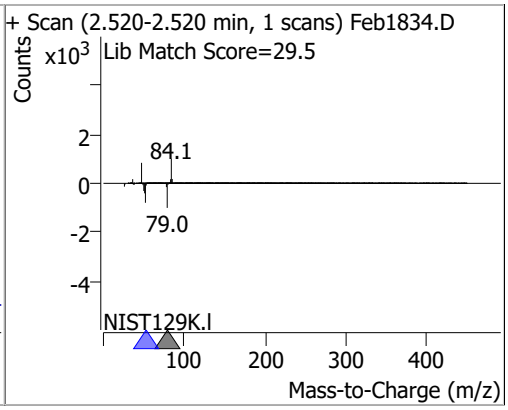




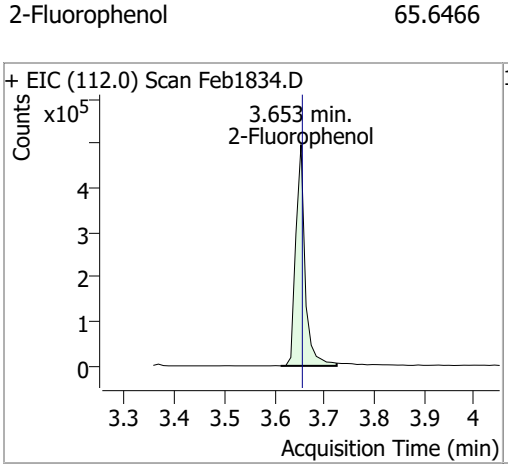
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	30.9340	2.52	-0.01	224799	52.0	83.1	57.9	107.6

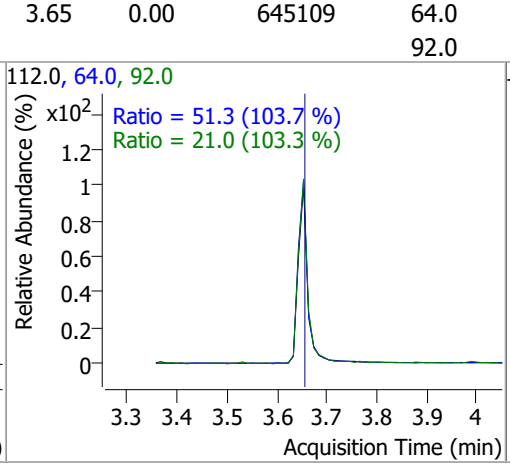


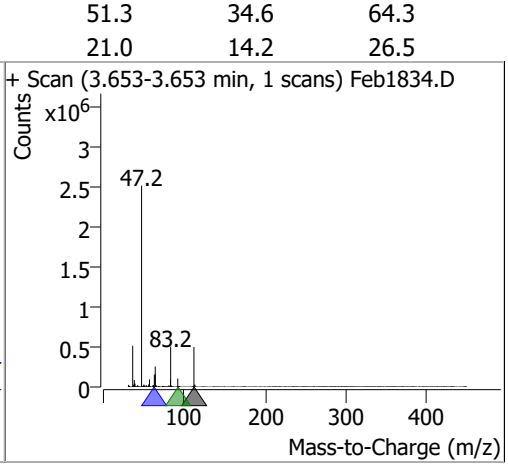




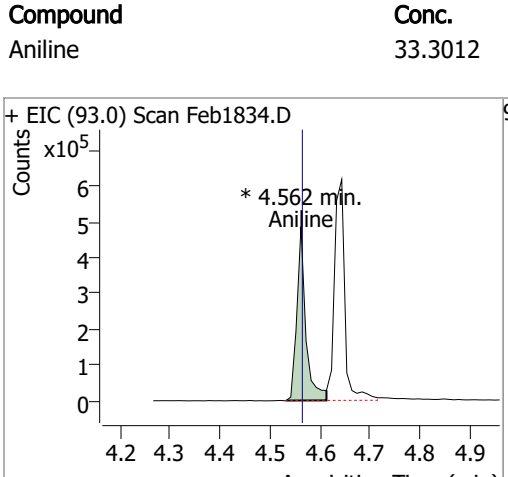
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	65.6466	3.65	0.00	645109	64.0	51.3	34.6	64.3
					92.0	21.0	14.2	26.5

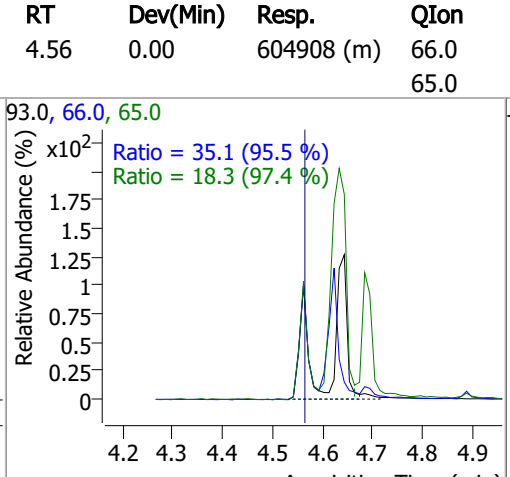


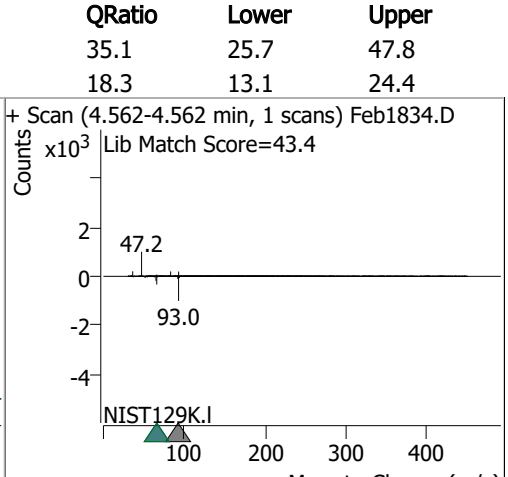




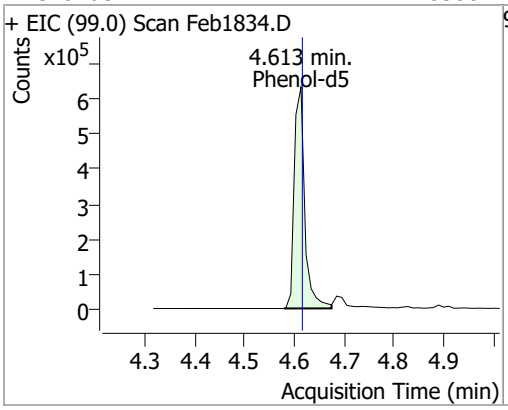
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	33.3012	4.56	0.00	604908 (m)	66.0	35.1	25.7	47.8
					65.0	18.3	13.1	24.4

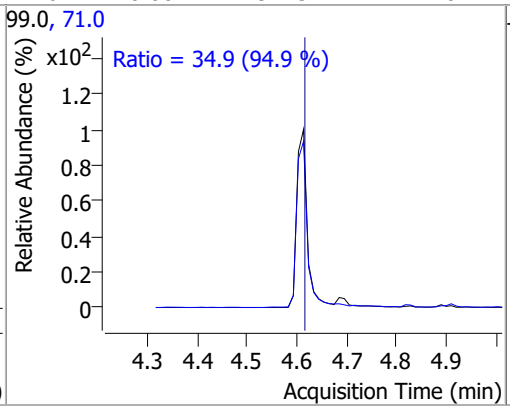


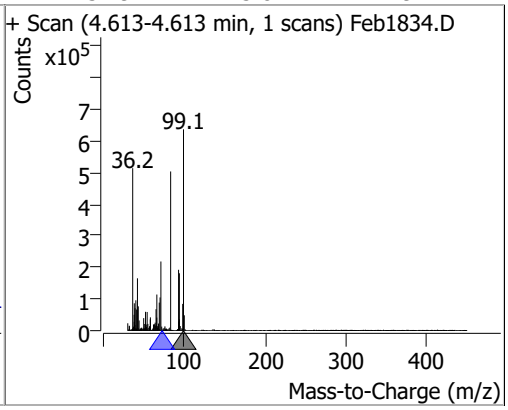




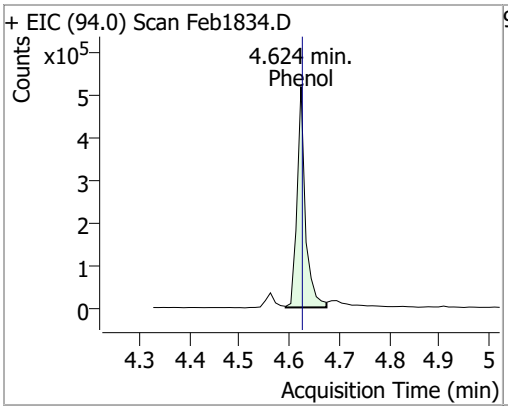
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	72.8508	4.61	0.00	927512	71.0	34.9	25.8	47.9

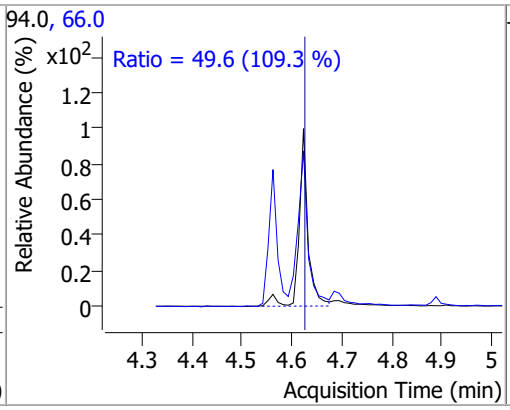


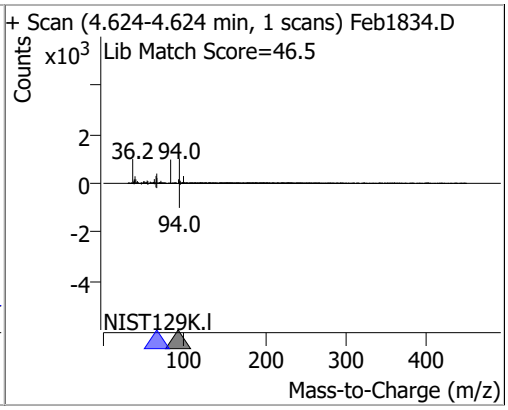




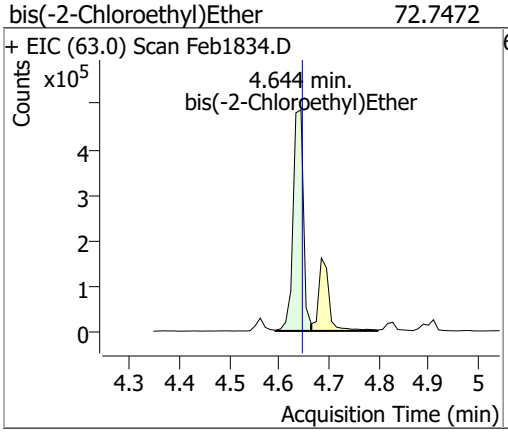
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	42.5909	4.62	0.00	597443	66.0	49.6	31.7	58.9

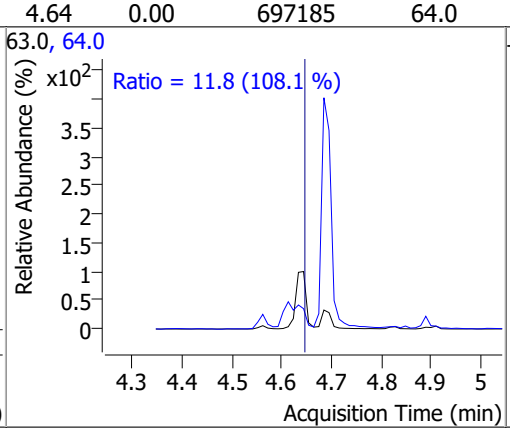


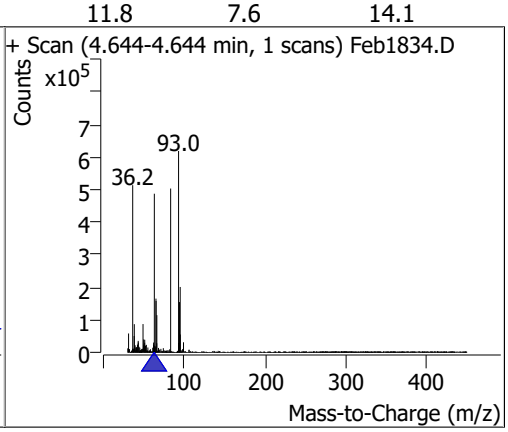




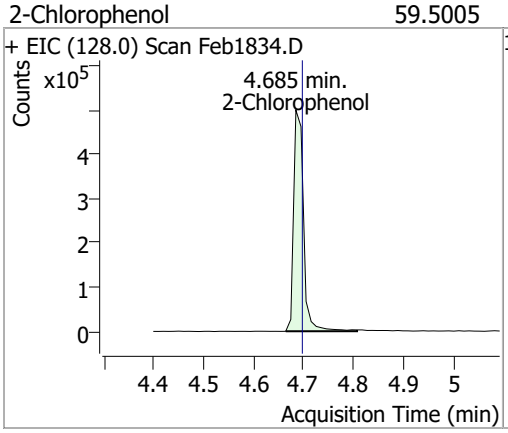
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	72.7472	4.64	0.00	697185	64.0	11.8	7.6	14.1

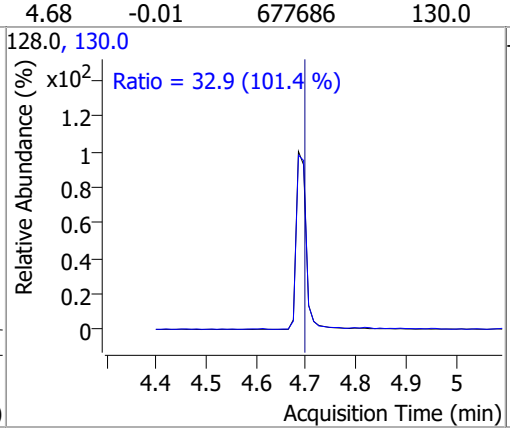


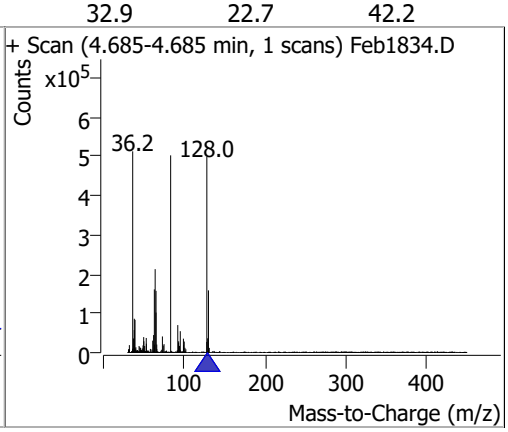




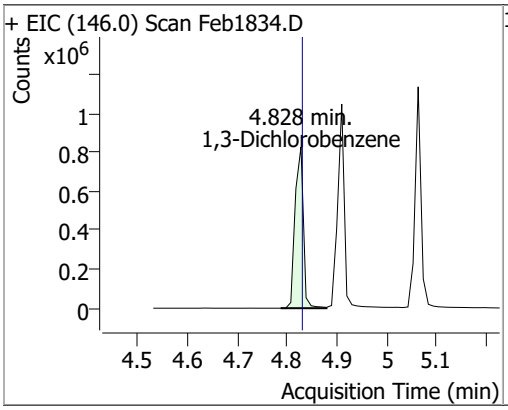
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	59.5005	4.68	-0.01	677686	130.0	32.9	22.7	42.2

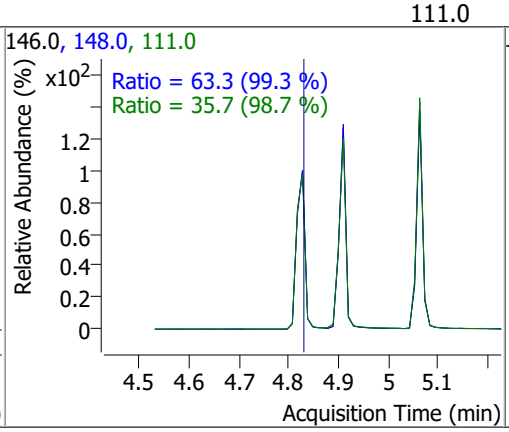


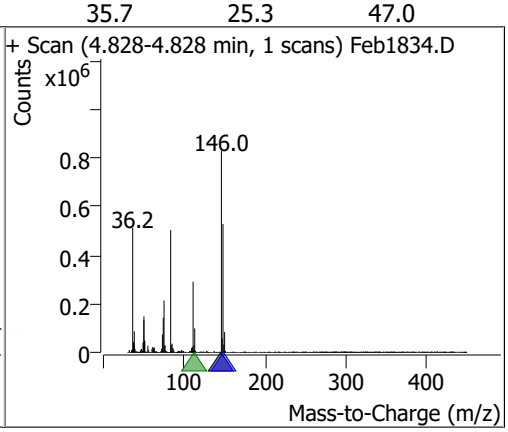




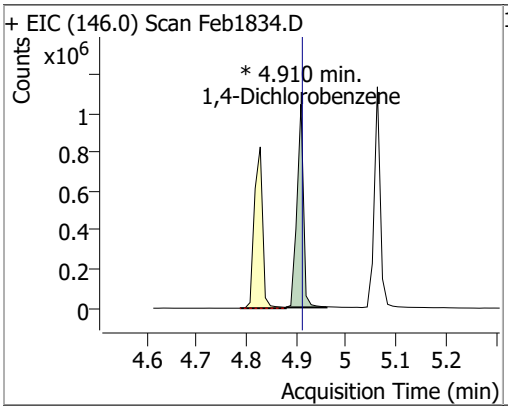
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	65.0964	4.83	0.00	952720	148.0	63.3	44.6	82.8
					111.0	35.7	25.3	47.0

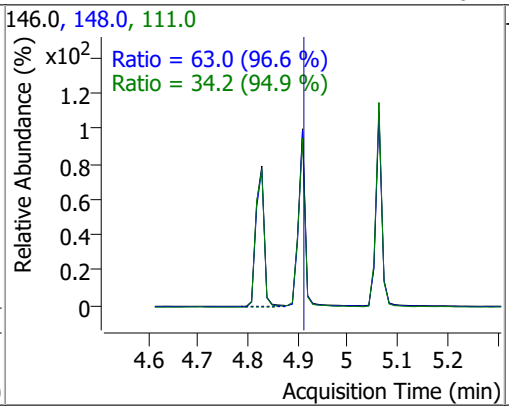


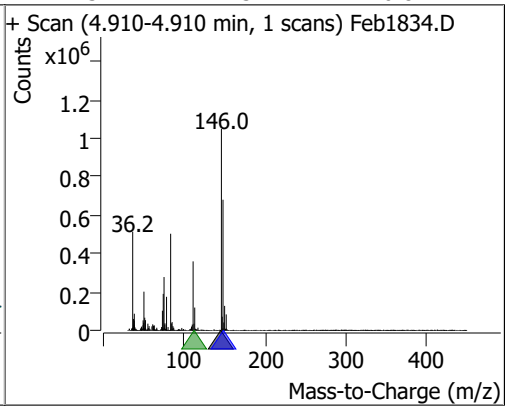




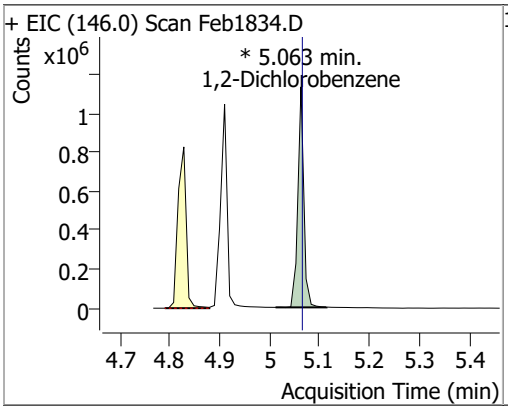
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	63.8274	4.91	0.00	945477 (m)	148.0	63.0	45.6	84.8
					111.0	34.2	25.2	46.8

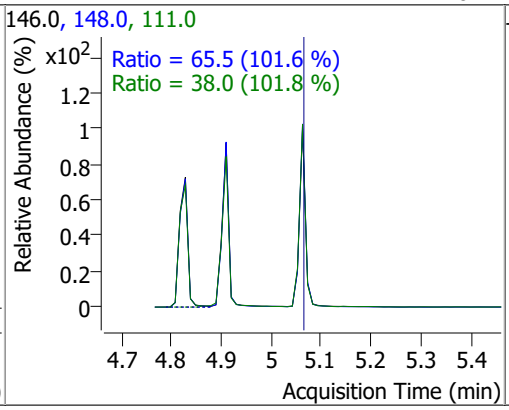


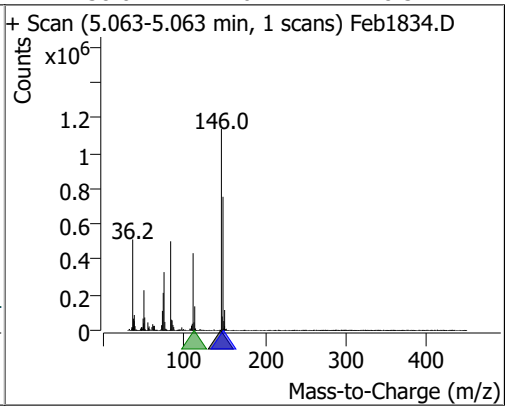




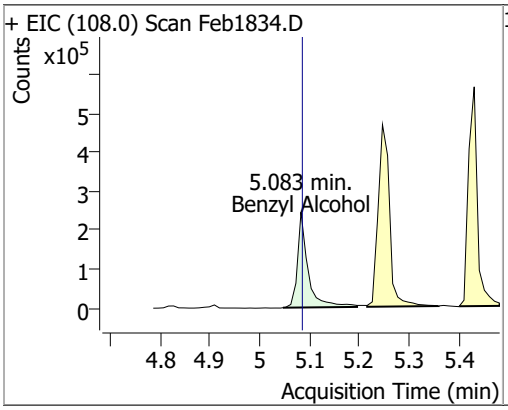
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	65.8439	5.06	0.00	938307 (m)	148.0	65.5	45.1	83.8
					111.0	38.0	26.1	48.5

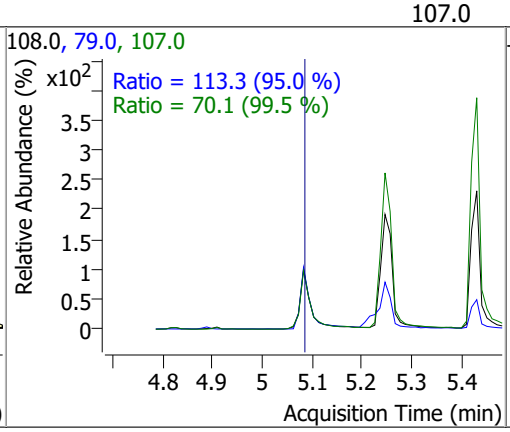


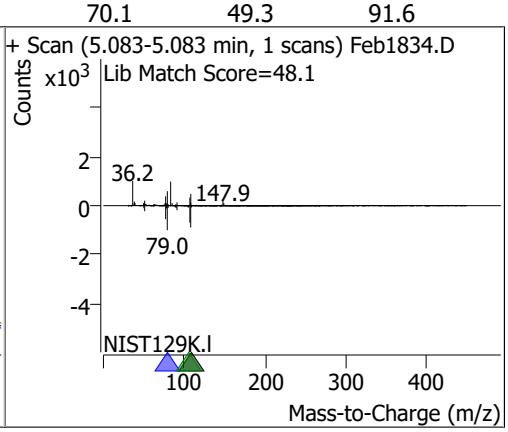




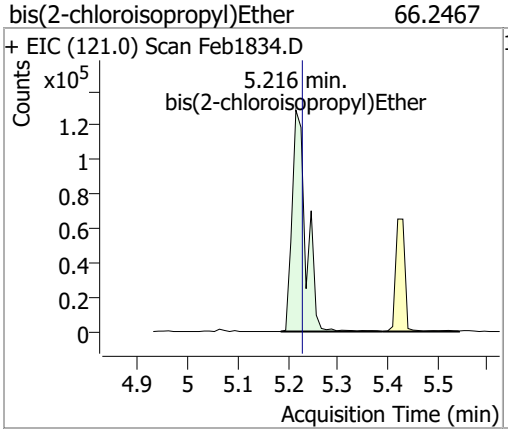
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	64.8063	5.08	0.00	359276	79.0	113.3	83.5	155.1
					107.0	70.1	49.3	91.6

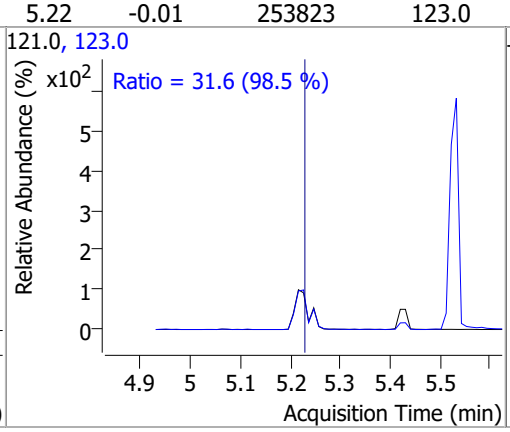


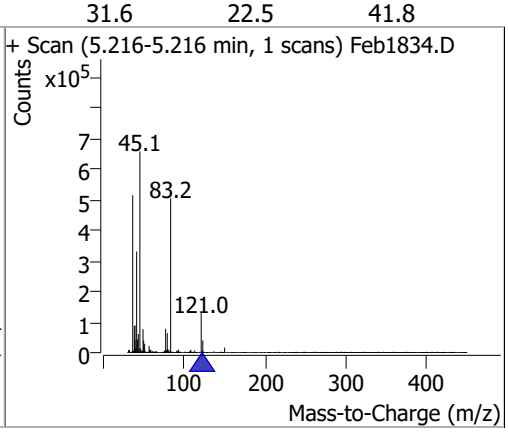




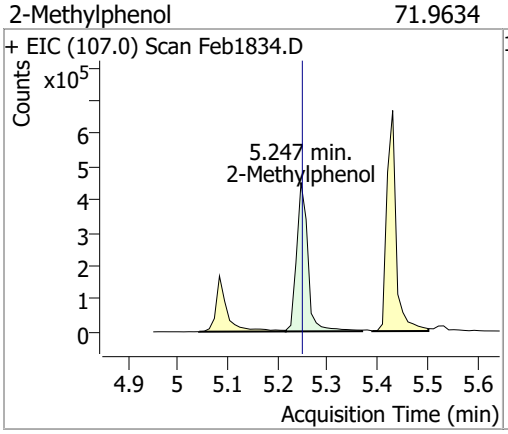
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	66.2467	5.22	-0.01	253823	123.0	31.6	22.5	41.8

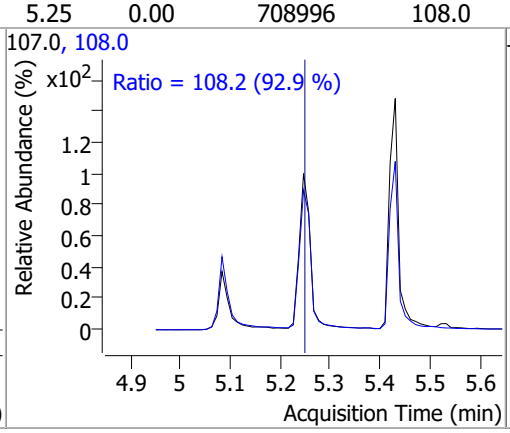


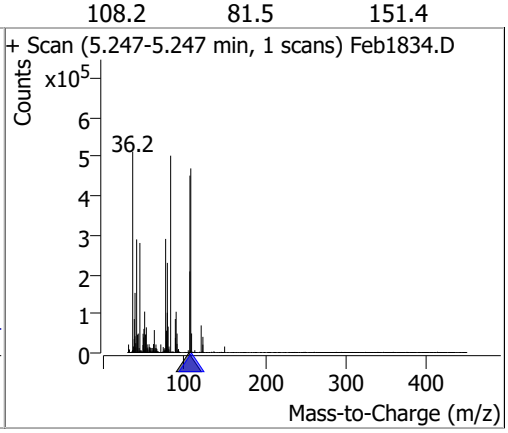




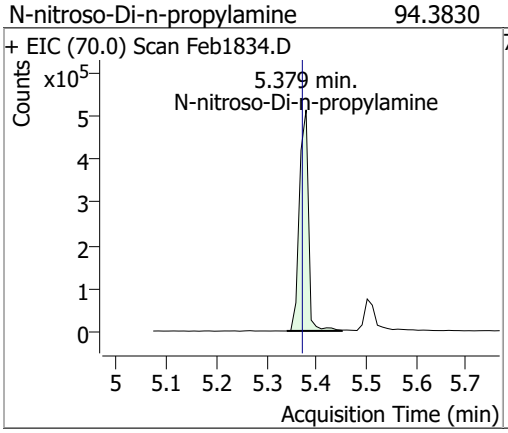
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	71.9634	5.25	0.00	708996	108.0	108.2	81.5	151.4

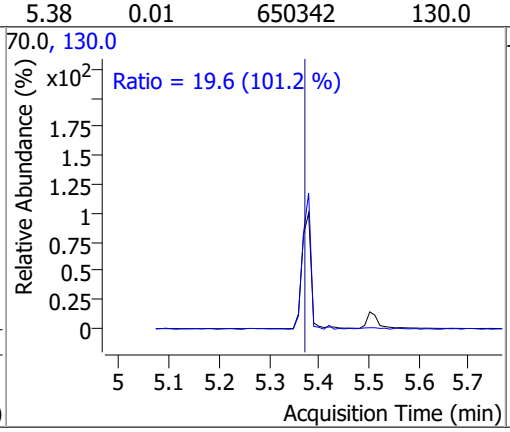


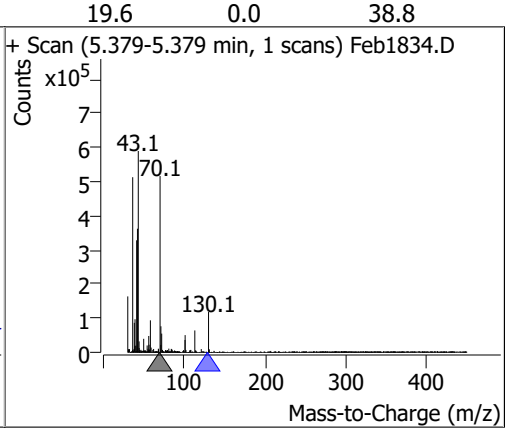




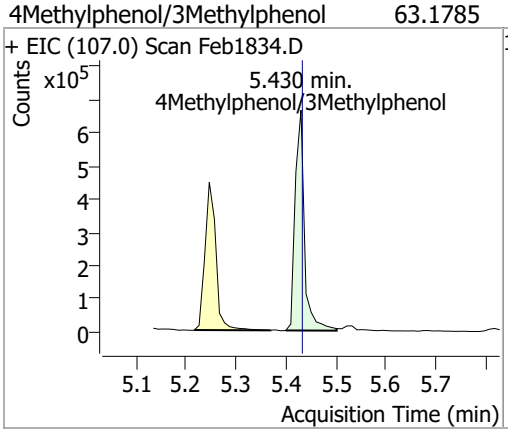
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	94.3830	5.38	0.01	650342	130.0	19.6	0.0	38.8

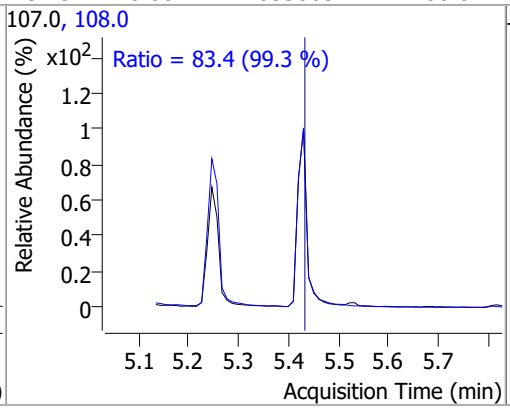


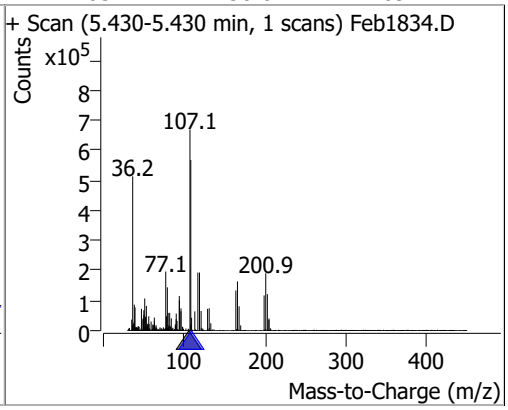




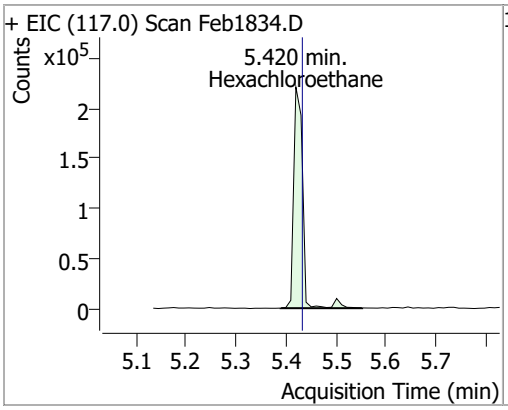
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	63.1785	5.43	0.00	853065	108.0	83.4	58.8	109.1

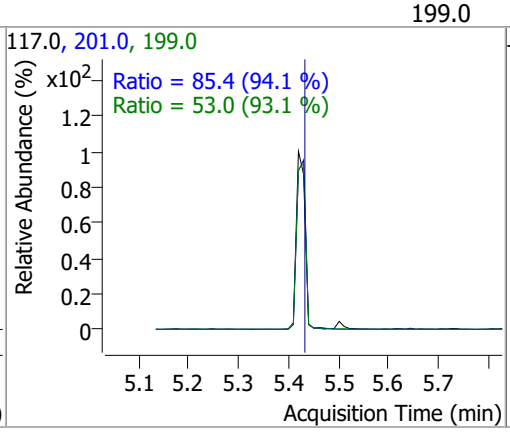


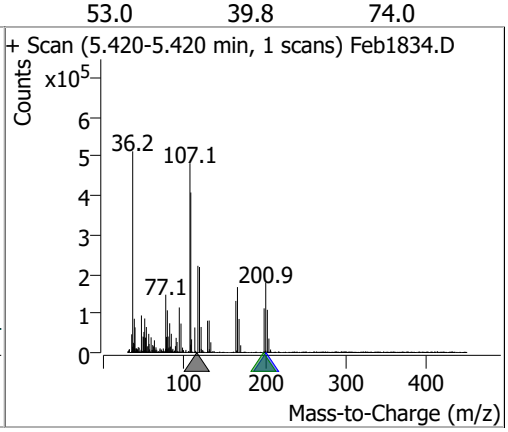




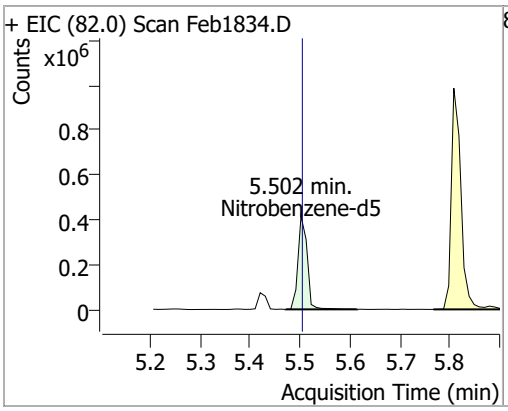
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	63.9485	5.42	-0.01	275877	201.0	85.4	63.5	118.0
					199.0	53.0	39.8	74.0

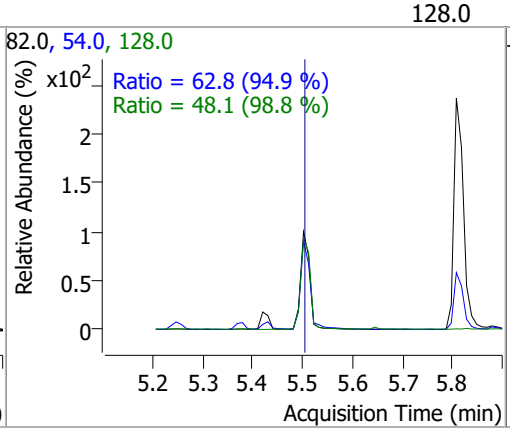


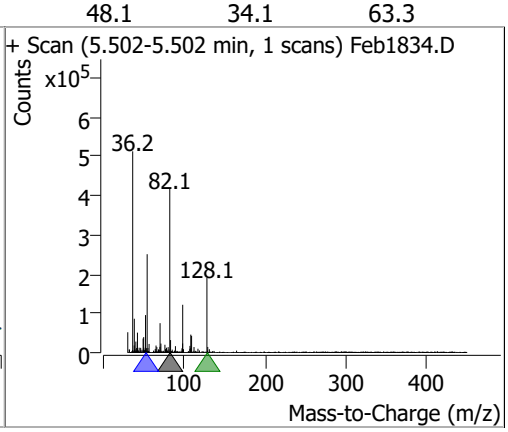




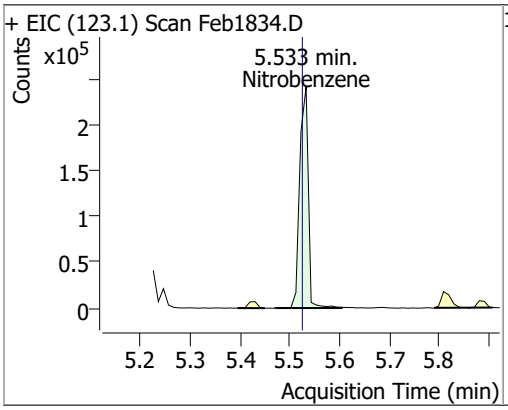
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	74.9036	5.50	0.00	531086	54.0	62.8	46.3	86.0
					128.0	48.1	34.1	63.3

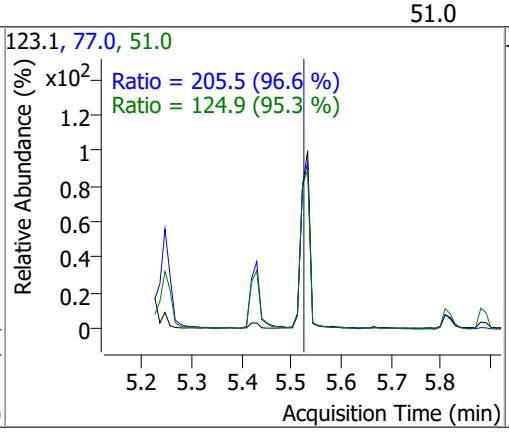


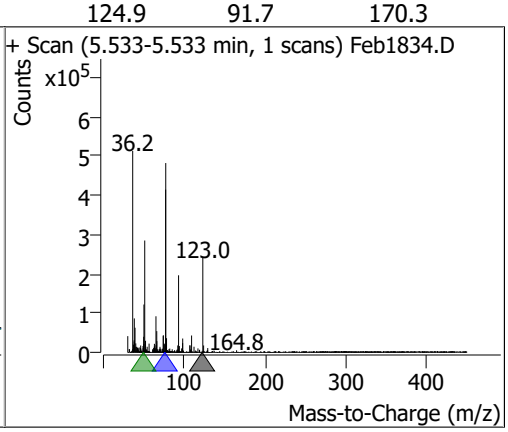




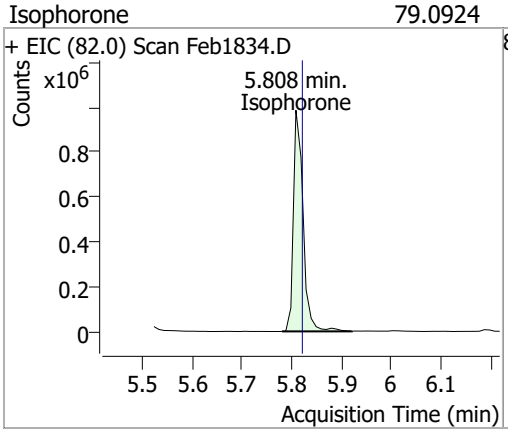
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	80.0886	5.53	0.01	286532	77.0	205.5	148.9	276.5
					51.0	124.9	91.7	170.3

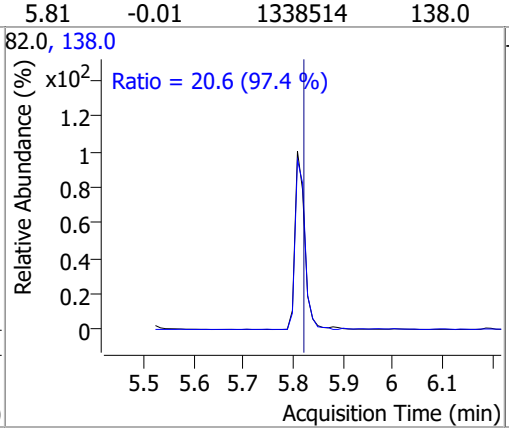


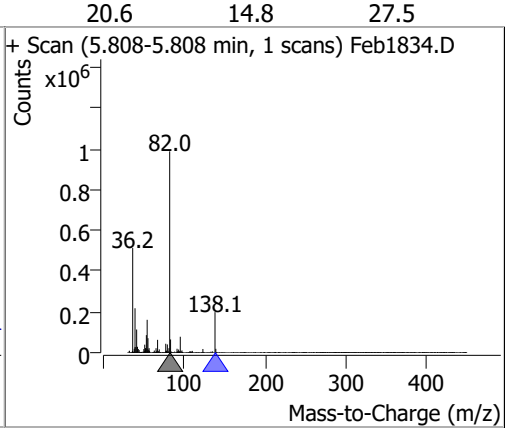




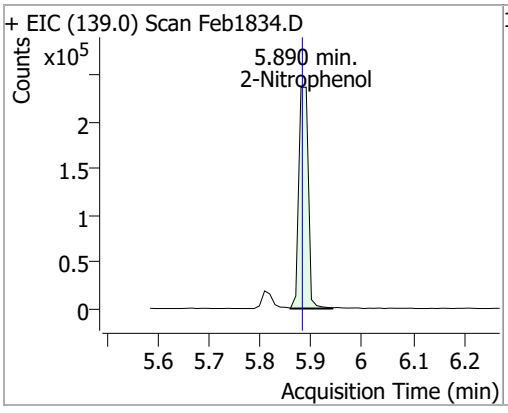
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	79.0924	5.81	-0.01	1338514	138.0	20.6	14.8	27.5

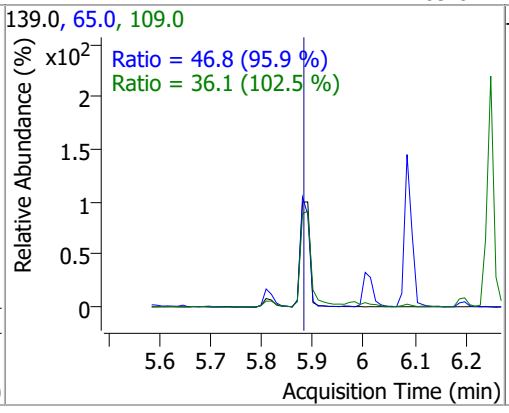


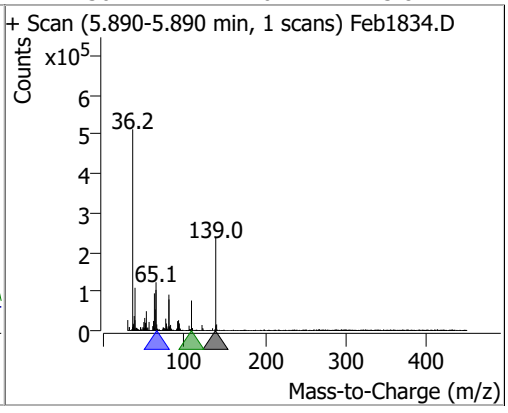




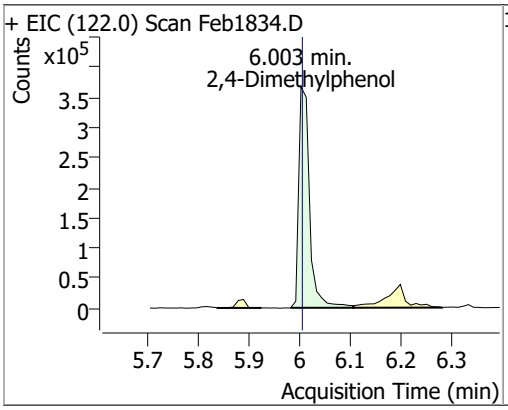
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	81.1263	5.89	0.01	309168	65.0	46.8	34.2	63.4
					109.0	36.1	24.6	45.8

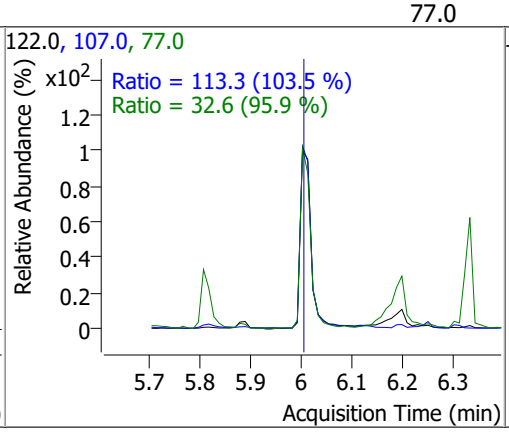


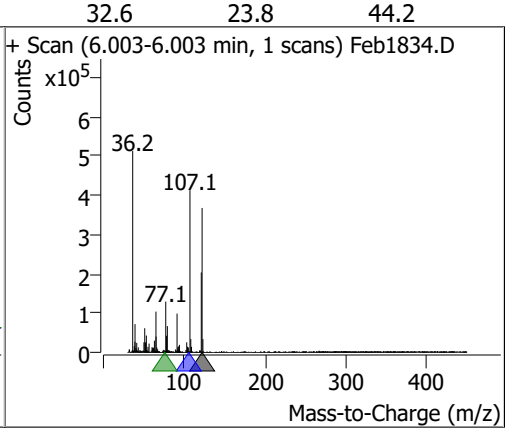




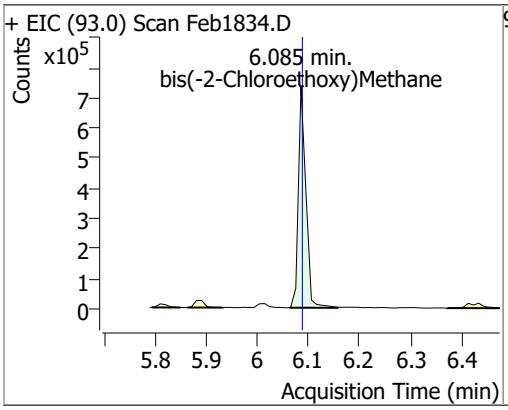
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	68.1115	6.00	0.00	539972	107.0	113.3	76.6	142.3
					77.0	32.6	23.8	44.2

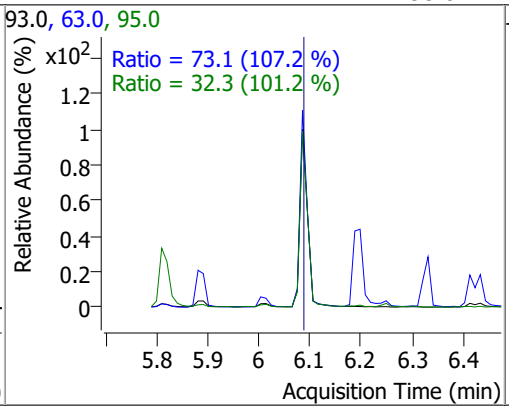


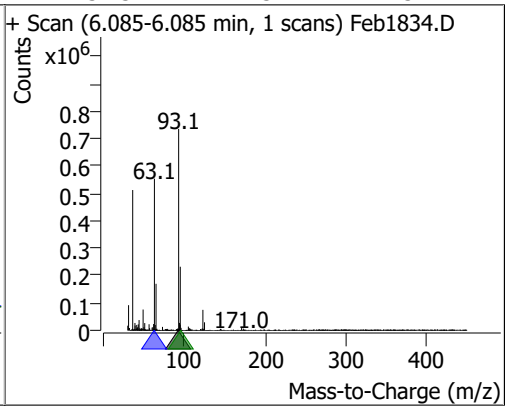




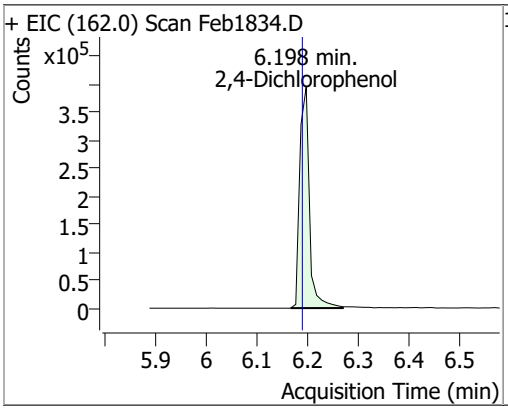
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	76.3603	6.08	0.00	752360	63.0	73.1	47.7	88.6
					95.0	32.3	22.3	41.5

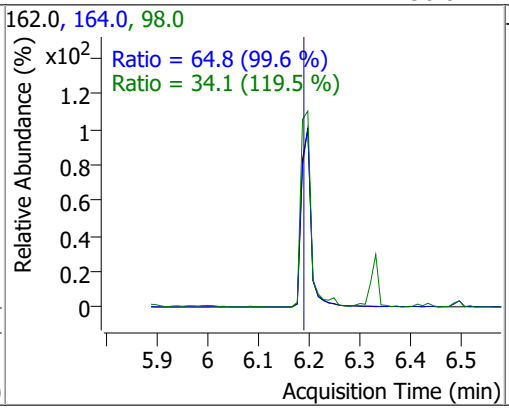


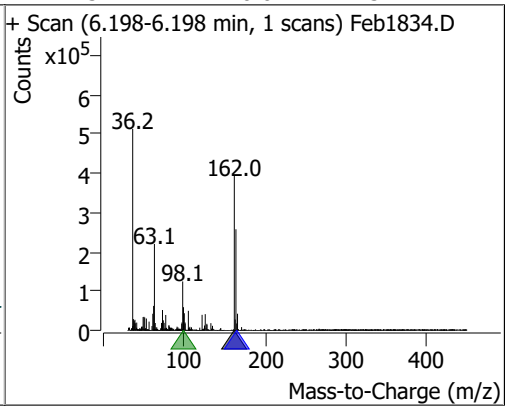




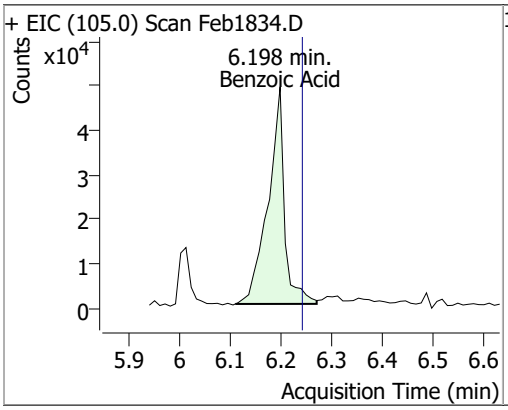
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	68.9766	6.20	0.01	518231	164.0	64.8	45.5	84.5
					98.0	34.1	20.0	37.1

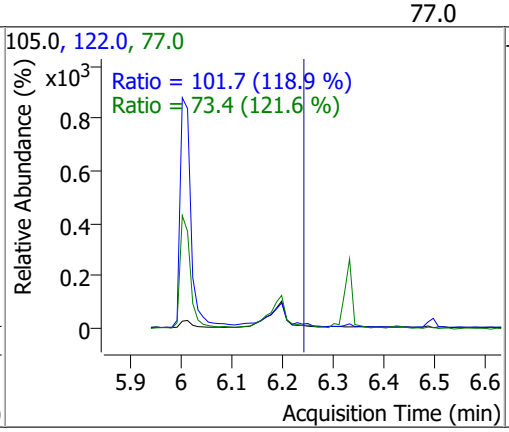


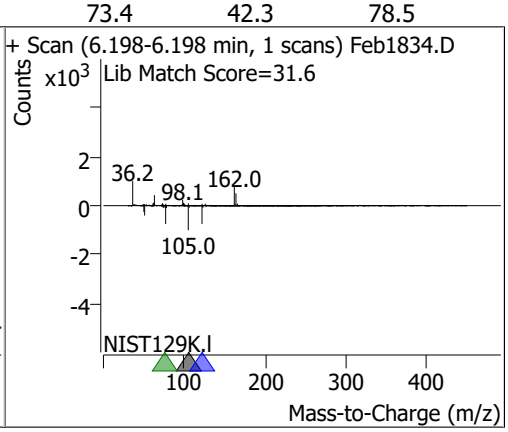




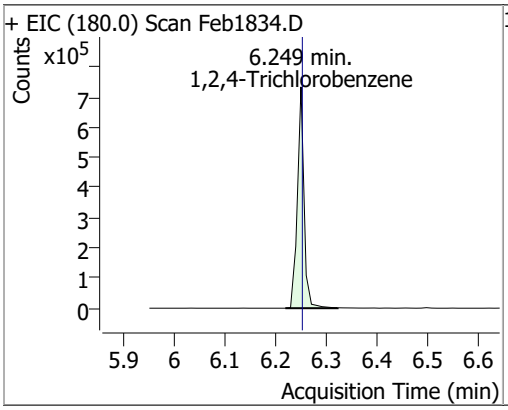
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	31.7046	6.20	-0.04	109416	122.0	101.7	59.9	111.2
					77.0	73.4	42.3	78.5

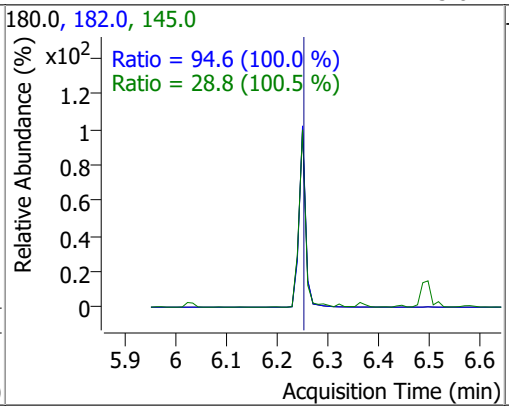


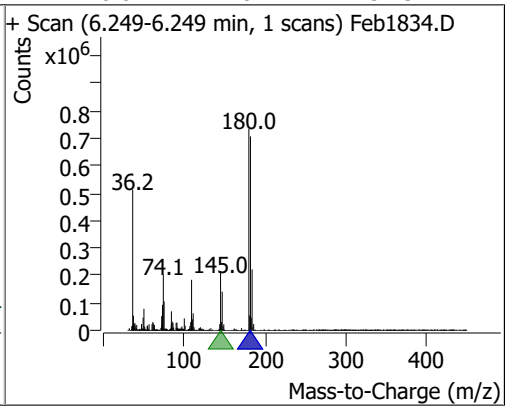




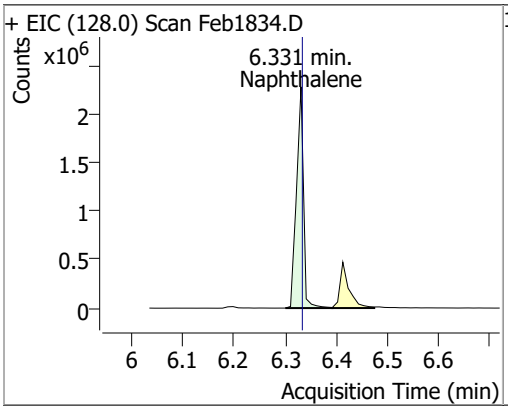
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	73.7879	6.25	0.00	667986	182.0	94.6	66.2	122.9
					145.0	28.8	20.1	37.3

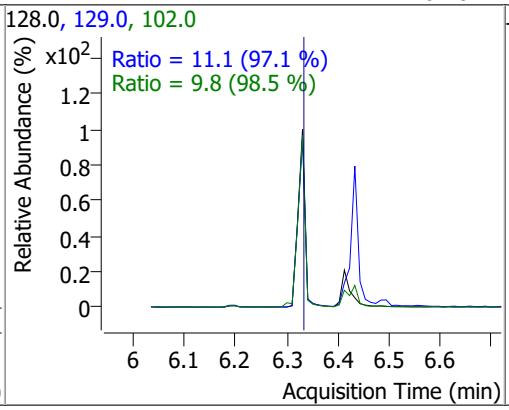


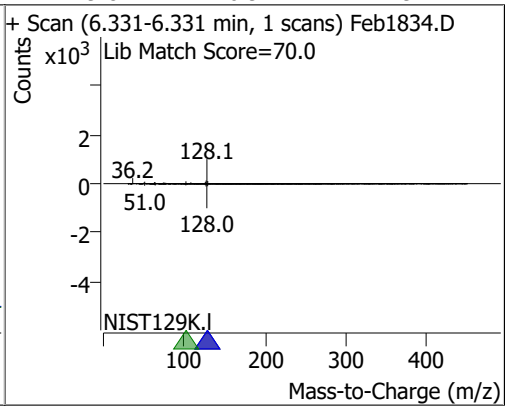




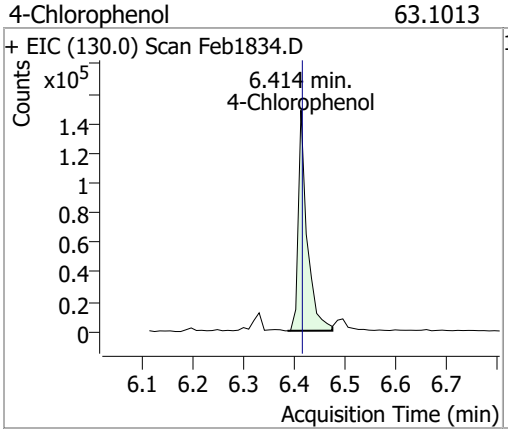
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	81.0159	6.33	0.00	2168682	129.0	11.1	8.0	14.9
					102.0	9.8	6.9	12.9

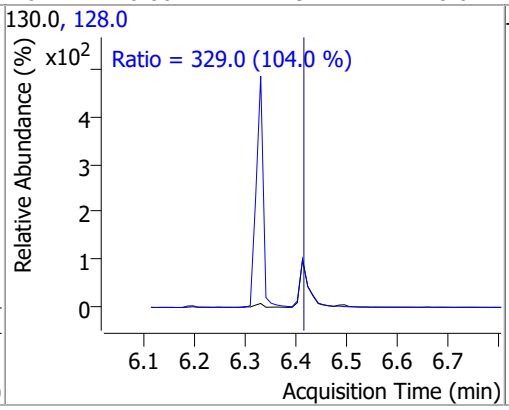


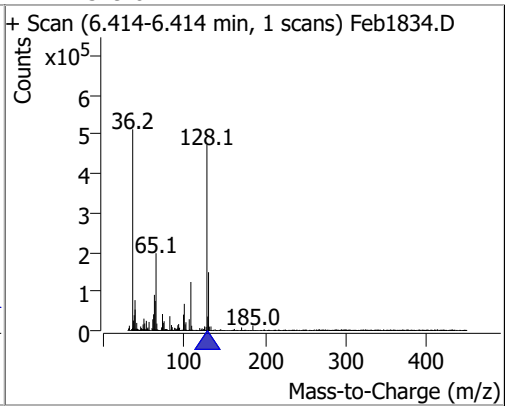




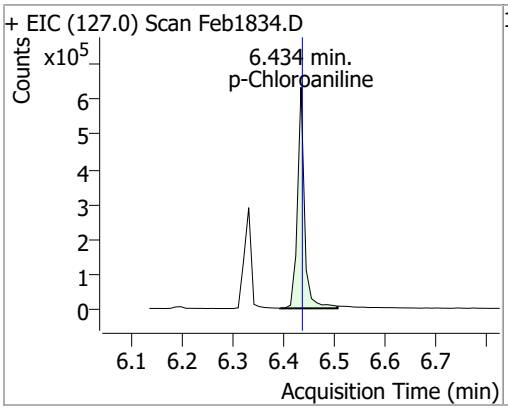
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	63.1013	6.41	0.00	177977	128.0	329.0	221.4	411.2

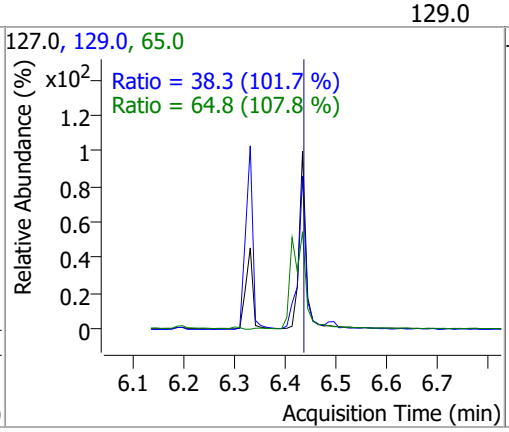


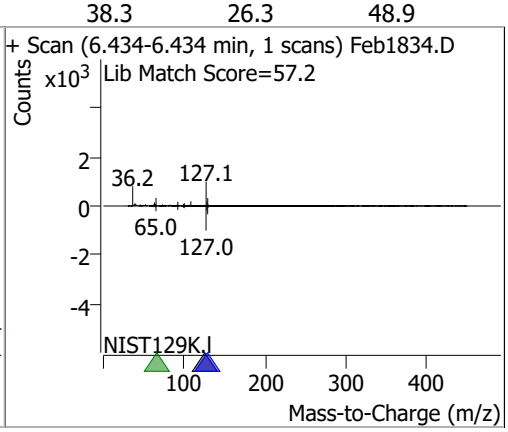




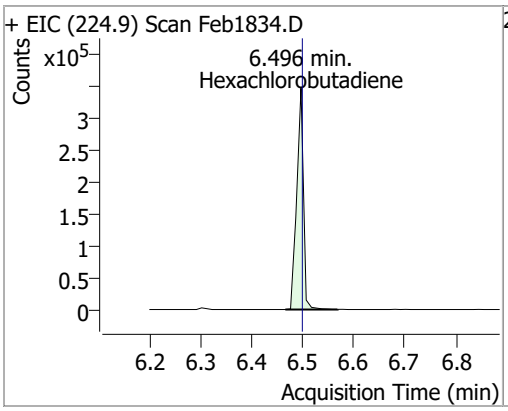
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	57.1561	6.43	0.00	606256	65.0	64.8	42.1	78.2
					129.0	38.3	26.3	48.9

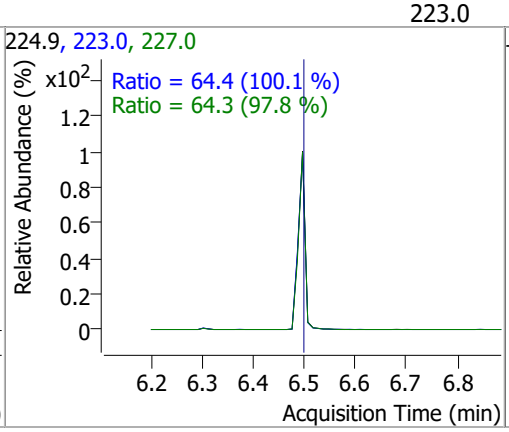


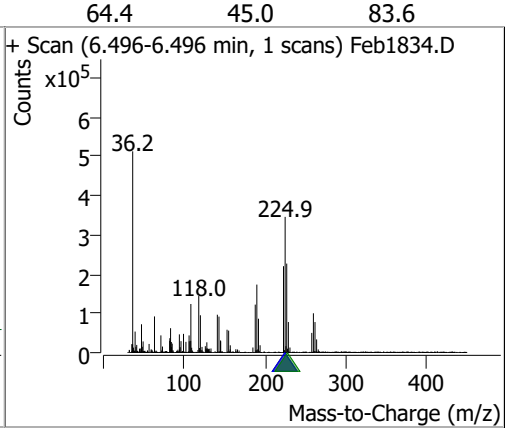




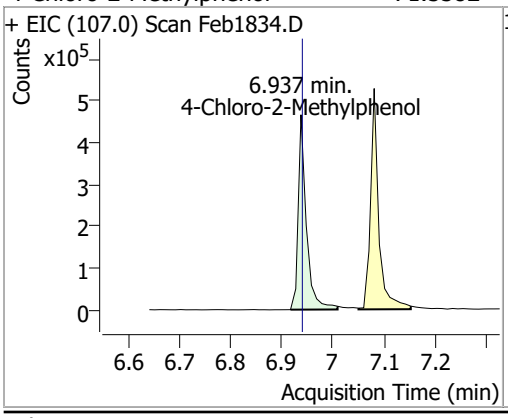
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	67.5557	6.50	0.00	315961	227.0	64.3	46.0	85.4
					223.0	64.4	45.0	83.6

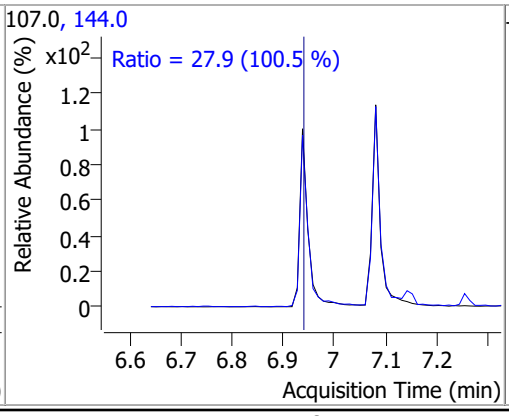


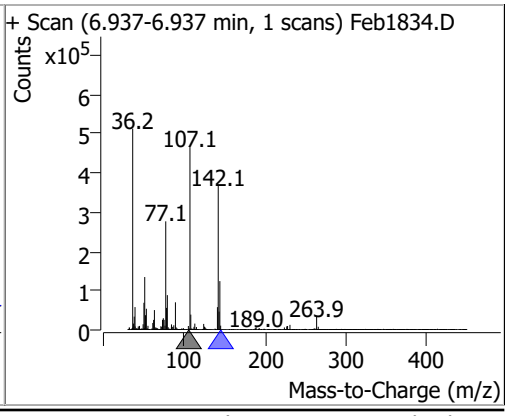




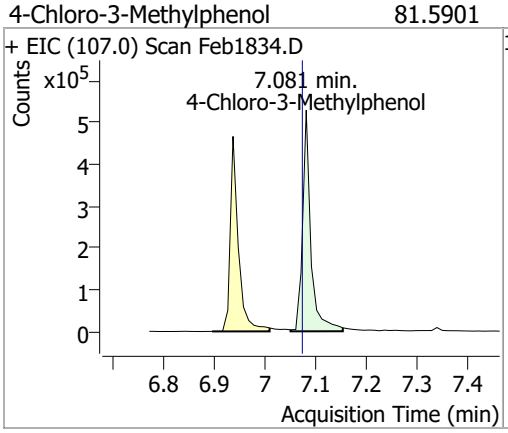
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	71.5582	6.94	0.00	501368	144.0	27.9	19.4	36.1

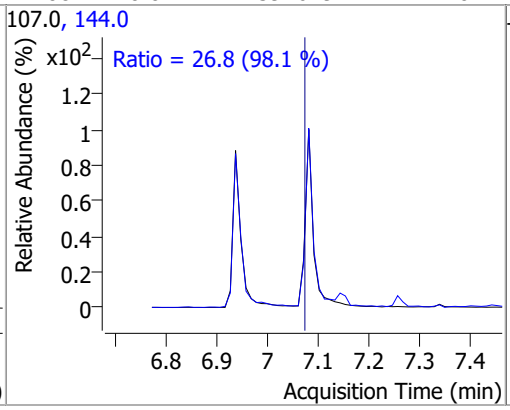


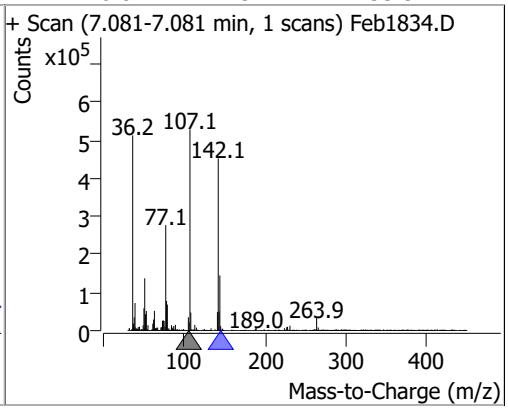




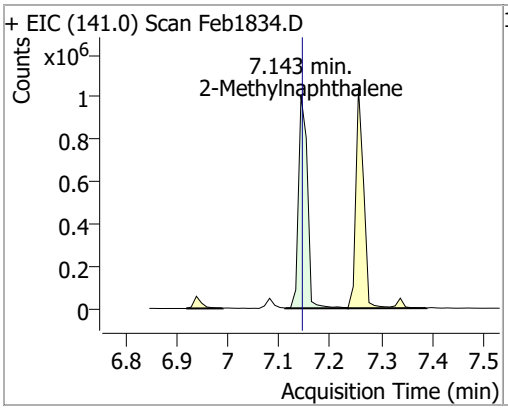
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	81.5901	7.08	0.01	594679	144.0	26.8	19.1	35.5

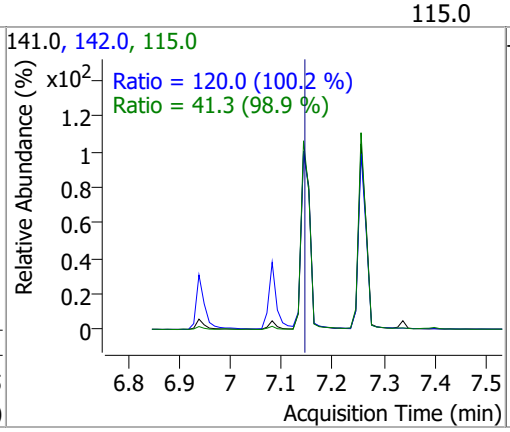


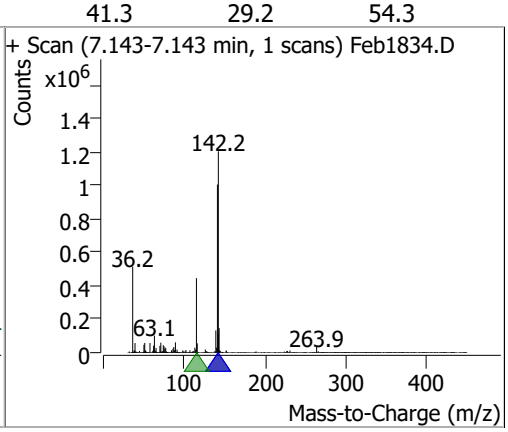




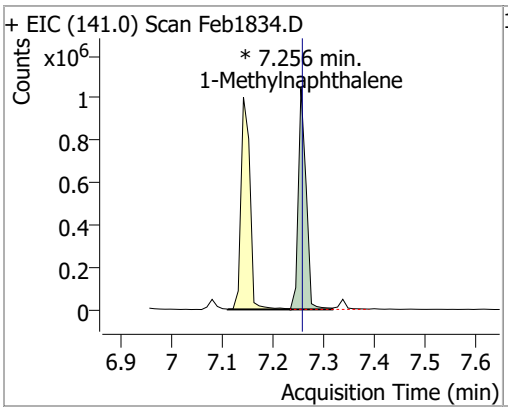
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	80.3439	7.14	0.00	1223145	142.0	120.0	83.8	155.7
					115.0	41.3	29.2	54.3

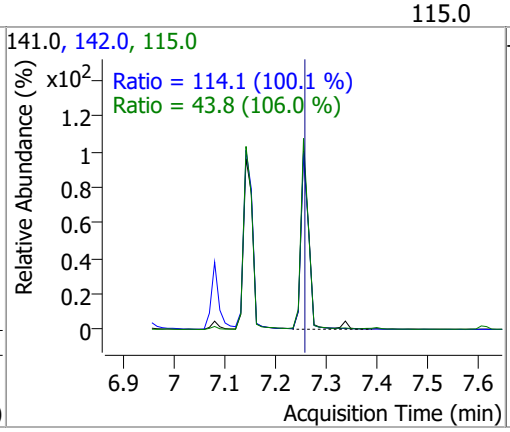


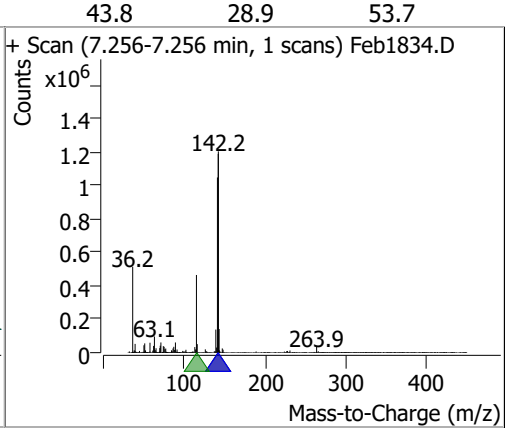




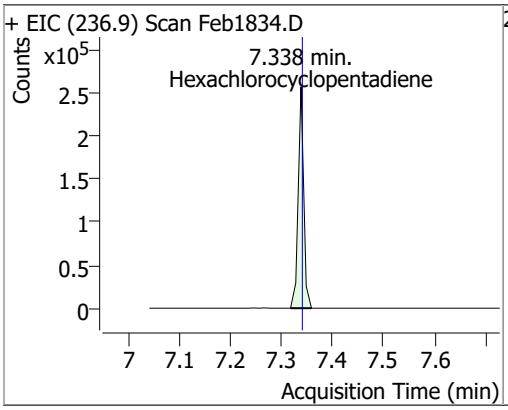
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	74.4154	7.26	0.00	1103897 (m)	142.0	114.1	79.8	148.2
					115.0	43.8	28.9	53.7

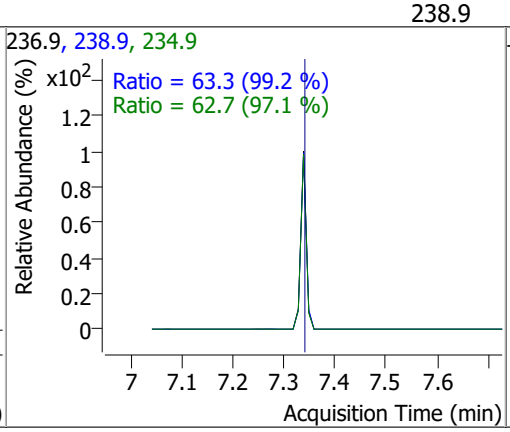


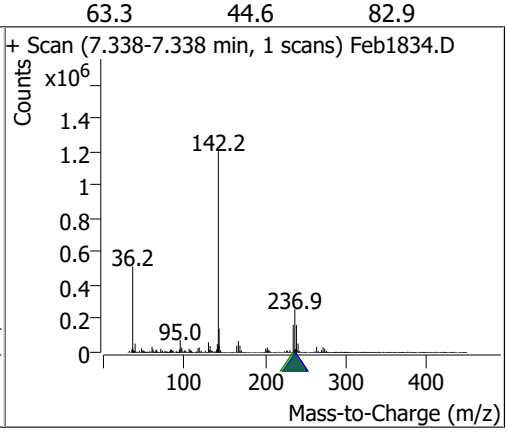




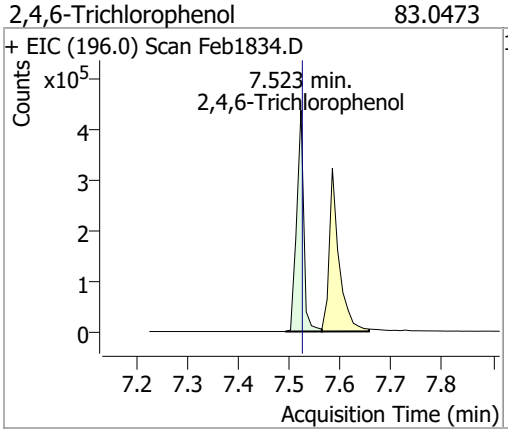
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	67.1340	7.34	0.00	192735	234.9	62.7	45.2	84.0
					238.9	63.3	44.6	82.9

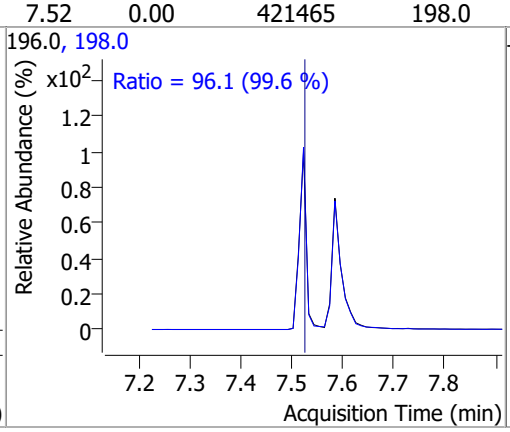


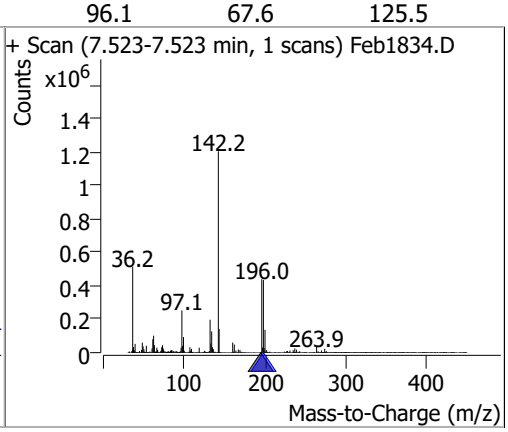




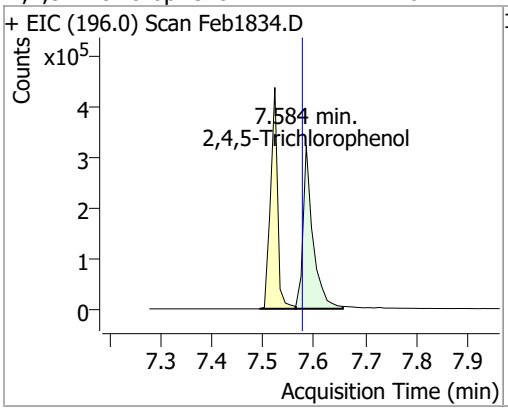
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	83.0473	7.52	0.00	421465	198.0	96.1	67.6	125.5

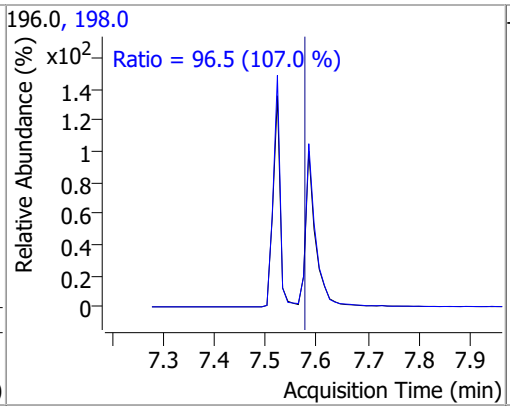


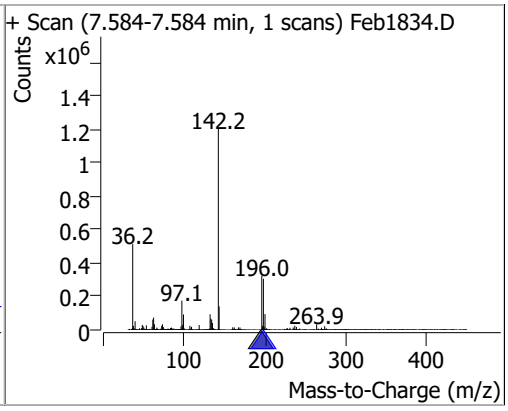




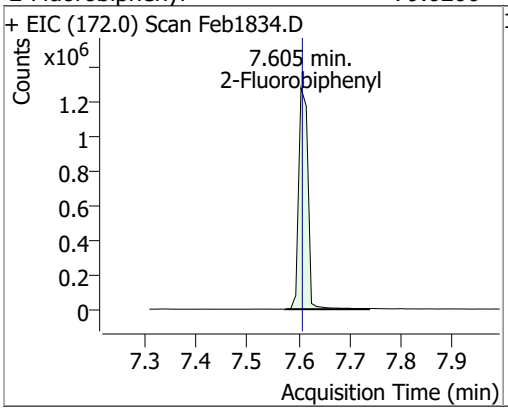
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	76.7711	7.58	0.01	434426	198.0	96.5	63.2	117.3

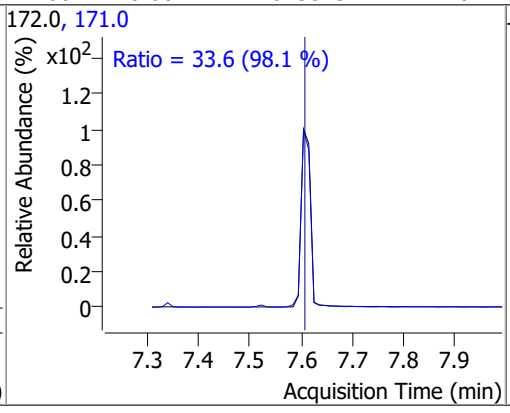


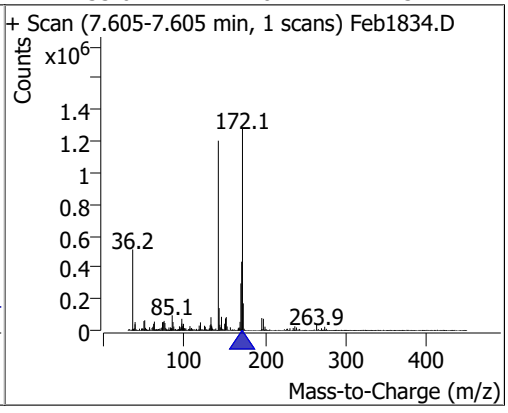




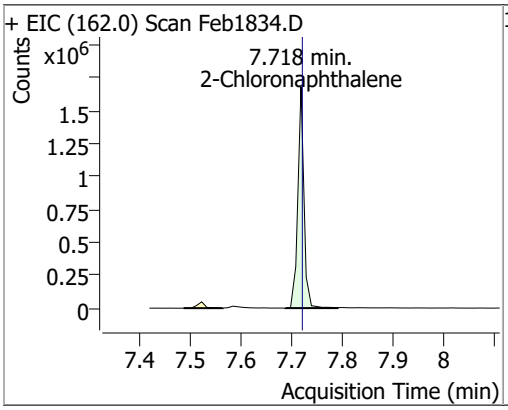
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	79.0266	7.60	0.00	1623329	171.0	33.6	24.0	44.5

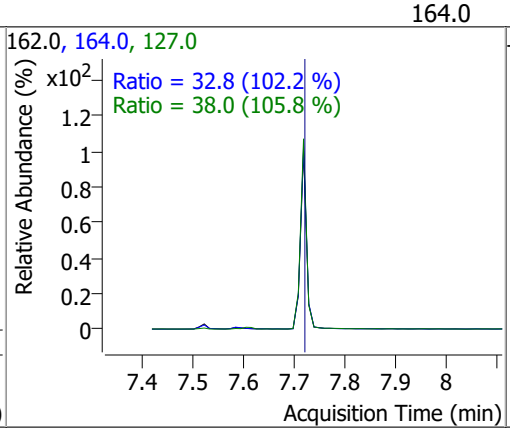


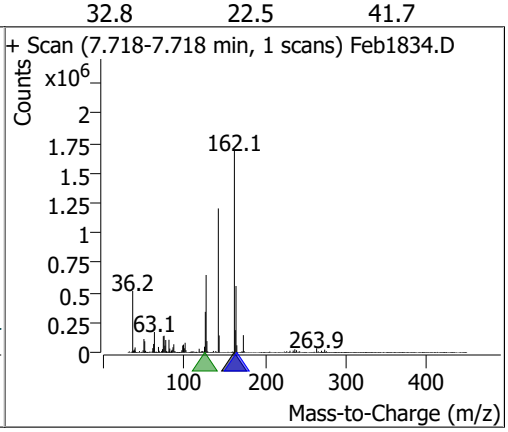




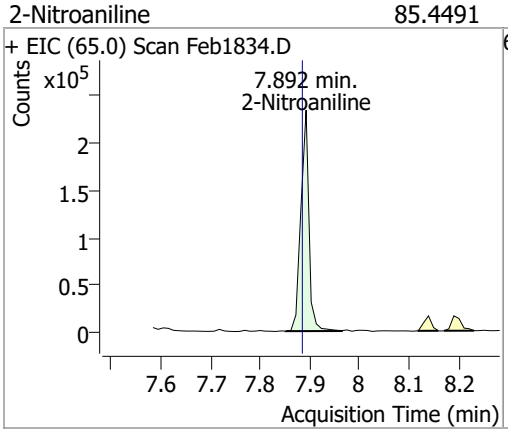
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	81.6627	7.72	0.00	1408587	127.0	38.0	25.1	46.7
					164.0	32.8	22.5	41.7

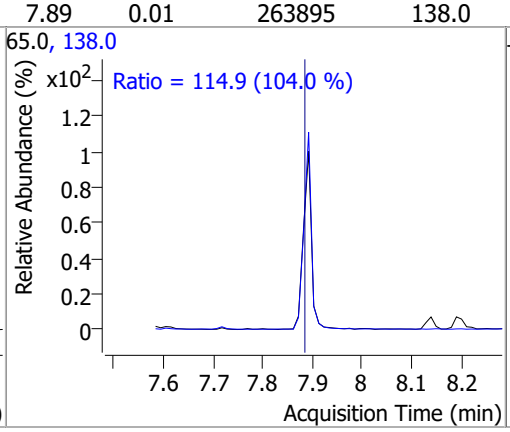


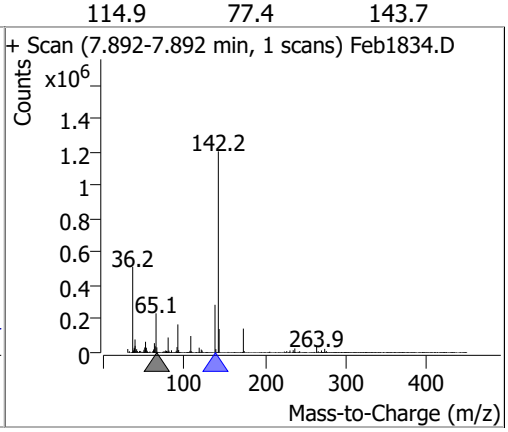




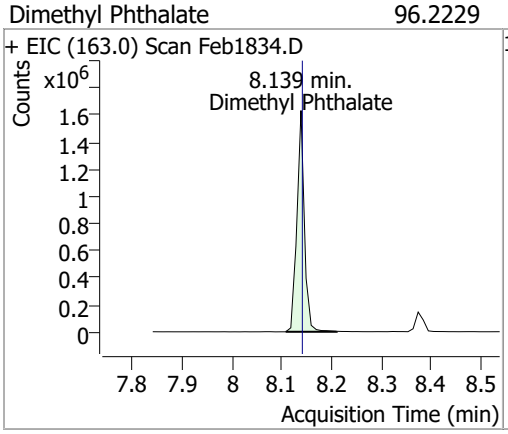
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	85.4491	7.89	0.01	263895	138.0	114.9	77.4	143.7

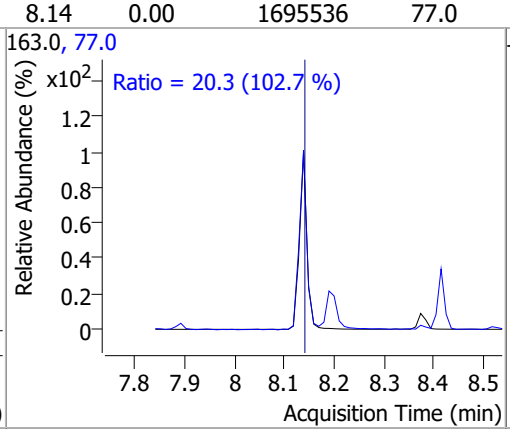


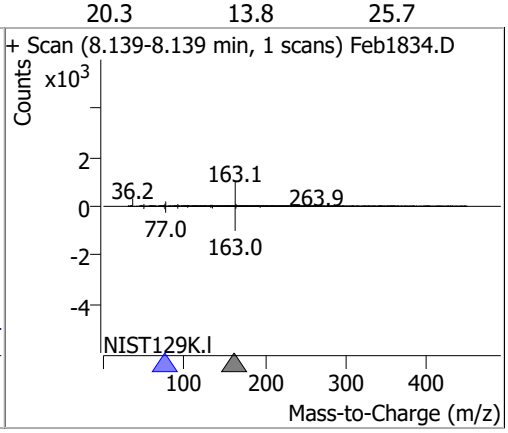




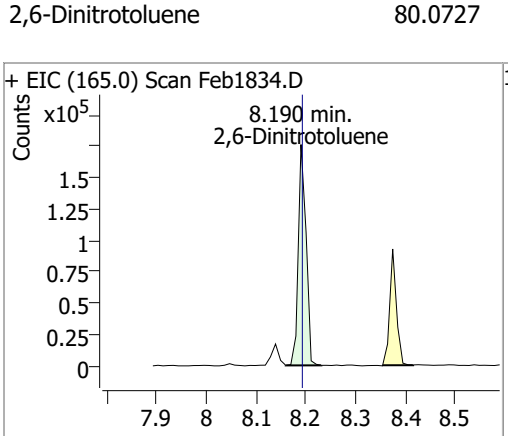
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	96.2229	8.14	0.00	1695536	77.0	20.3	13.8	25.7

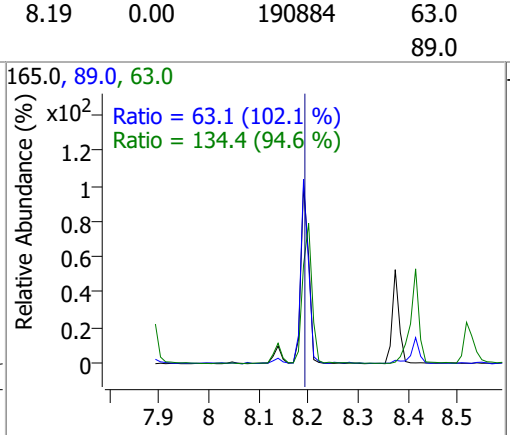


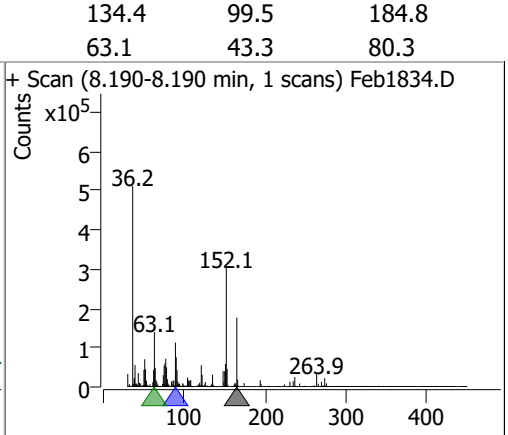




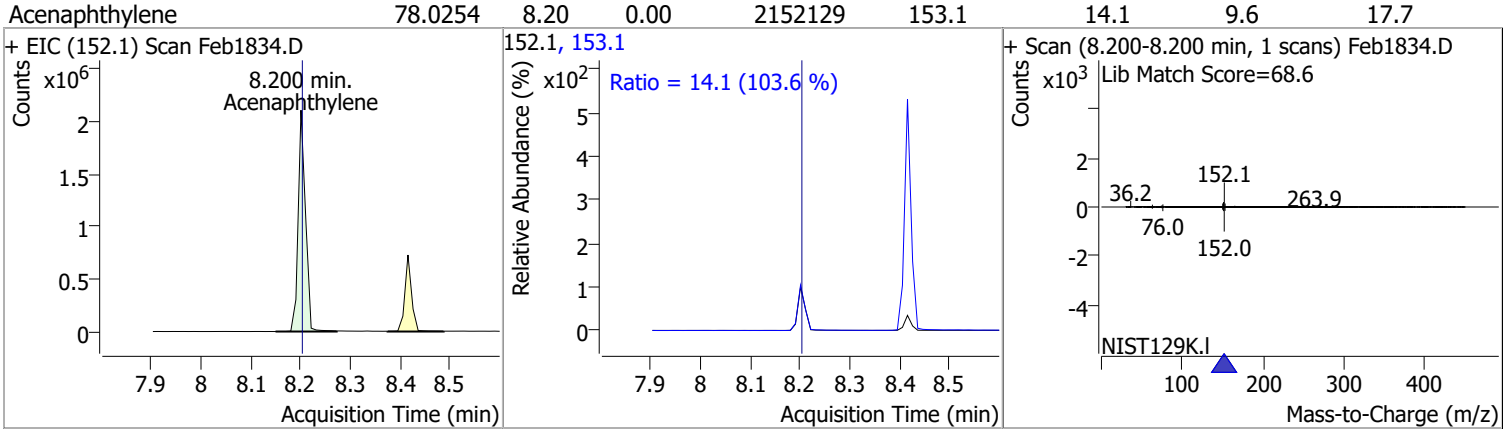
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	80.0727	8.19	0.00	190884	63.0	134.4	99.5	184.8
					89.0	63.1	43.3	80.3



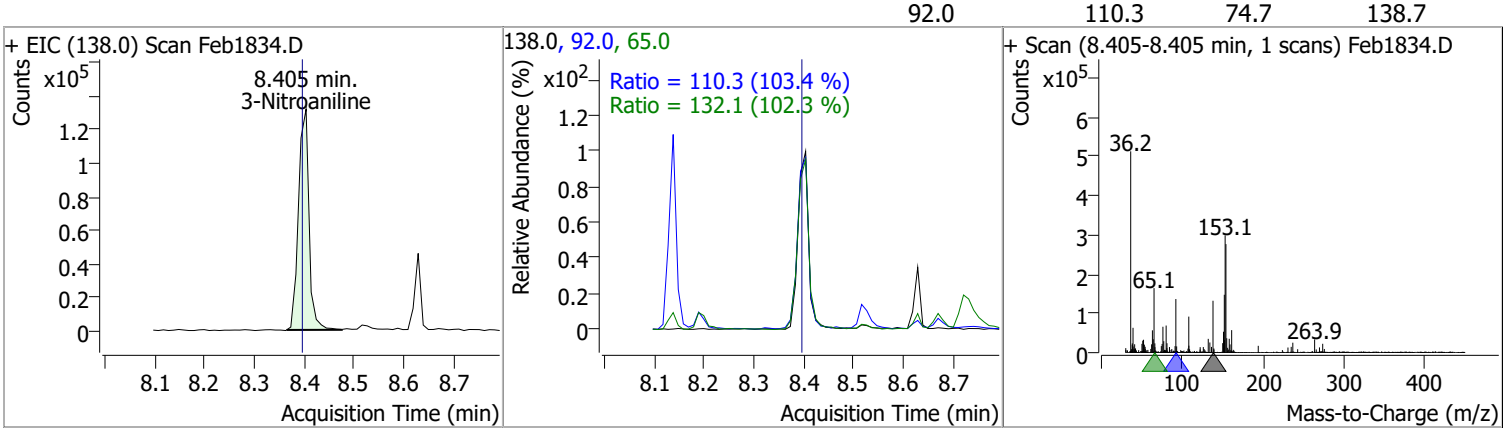




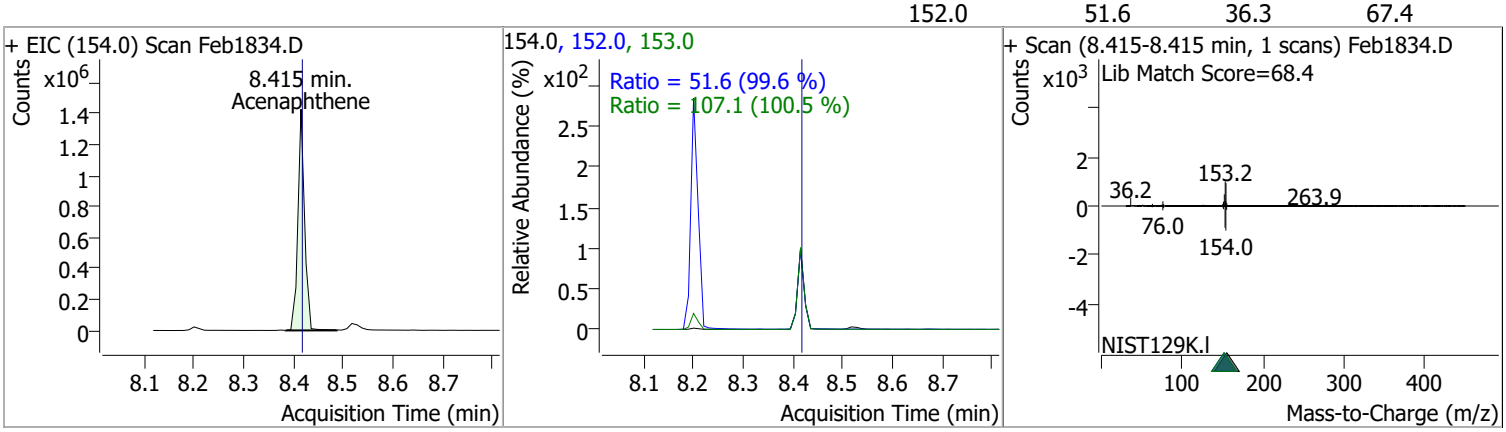
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	78.0254	8.20	0.00	2152129	153.1	14.1	9.6	17.7



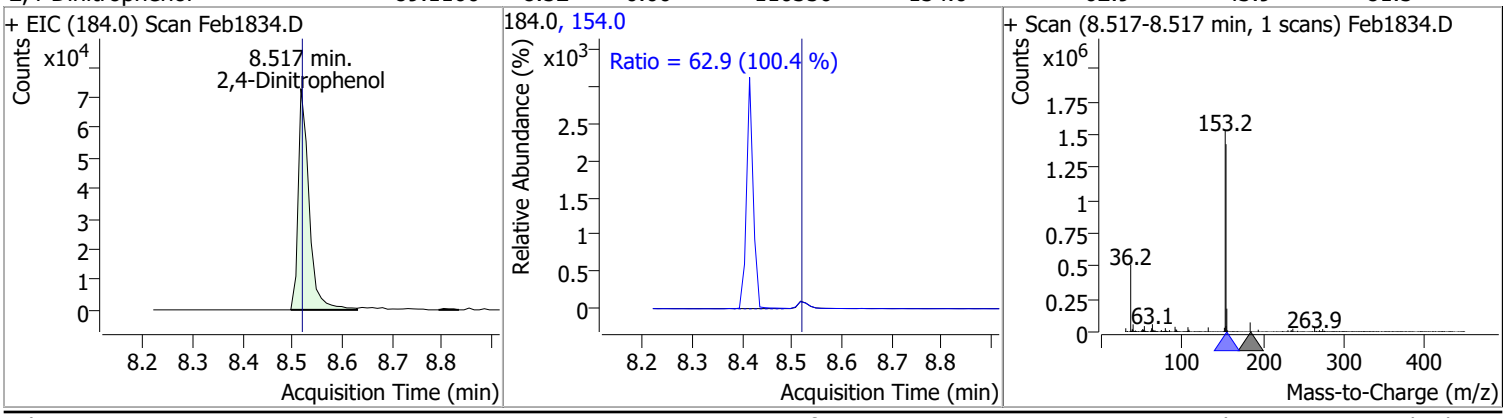
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	72.0309	8.40	0.01	193383	65.0	132.1	90.4	167.8
					92.0	110.3	74.7	138.7



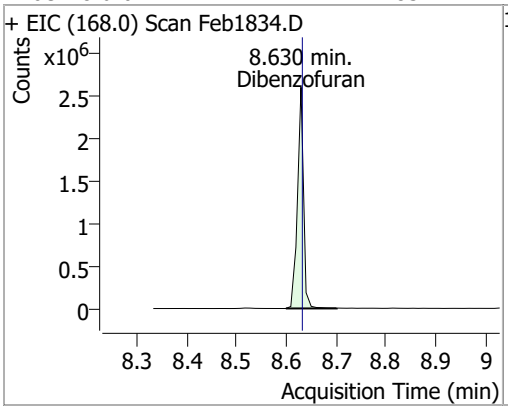
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	84.5290	8.41	0.00	1332870	153.0	107.1	74.5	138.4
					152.0	51.6	36.3	67.4

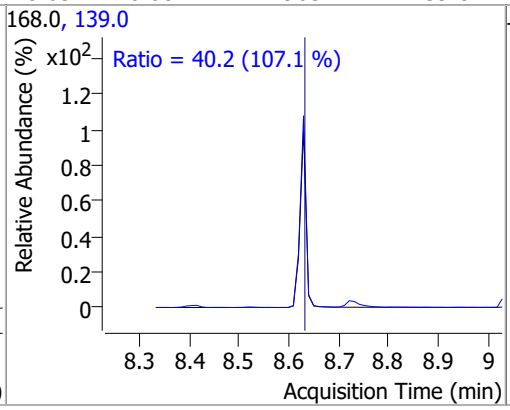


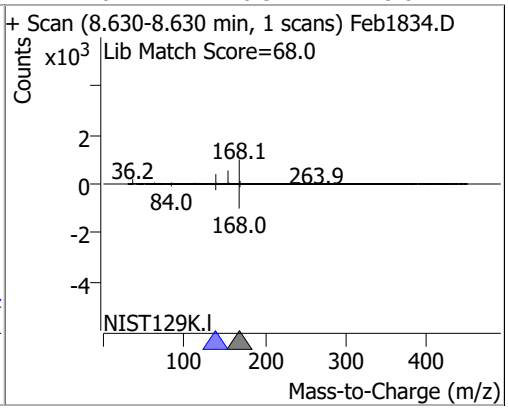
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	89.1160	8.52	0.00	110356	154.0	62.9	43.9	81.5



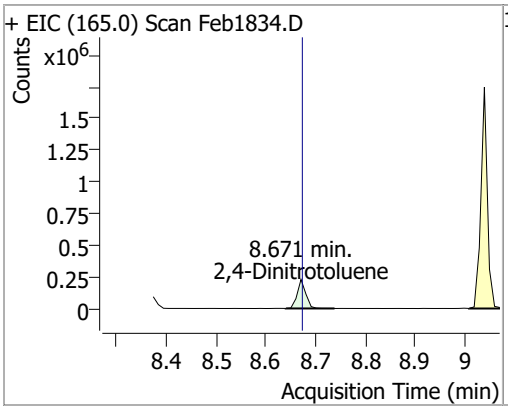
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	85.2274	8.63	0.00	2196371	139.0	40.2	26.3	48.8

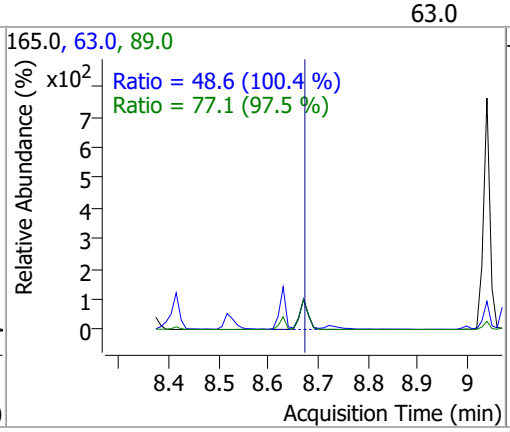


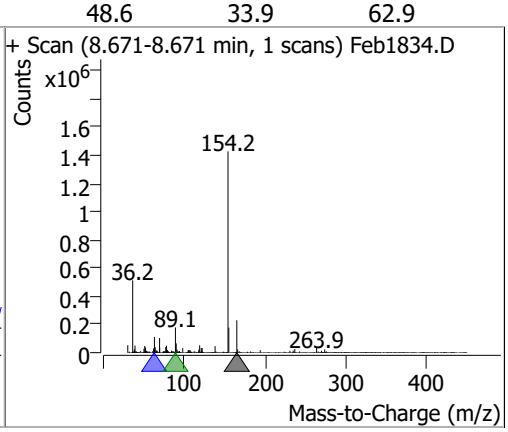




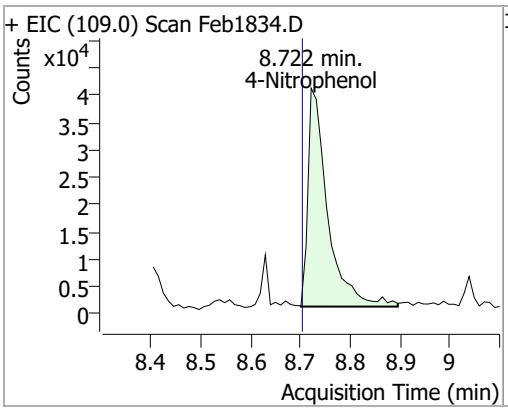
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	89.0017	8.67	0.00	269373	89.0	77.1	55.4	102.9
					63.0	48.6	33.9	62.9

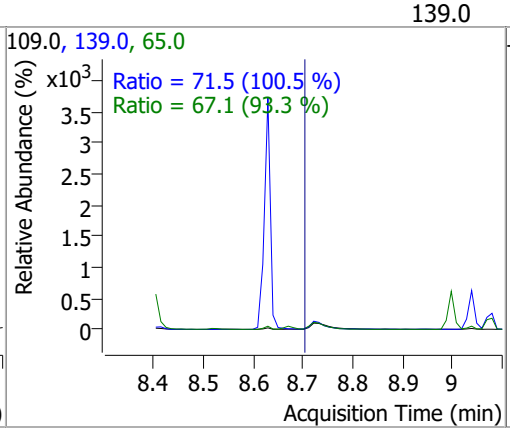


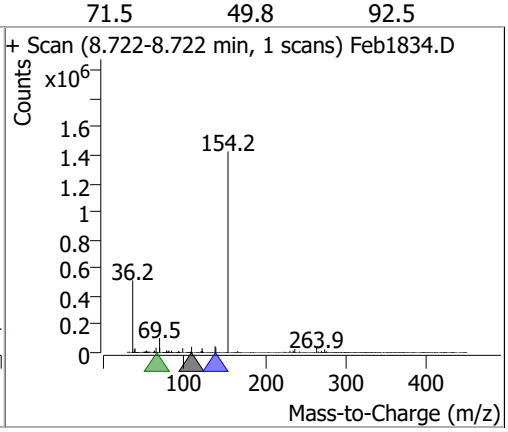




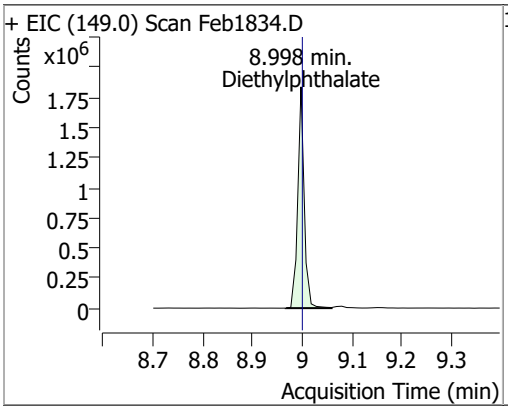
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	40.0312	8.72	0.02	109662	65.0	67.1	50.4	93.6
					139.0	71.5	49.8	92.5

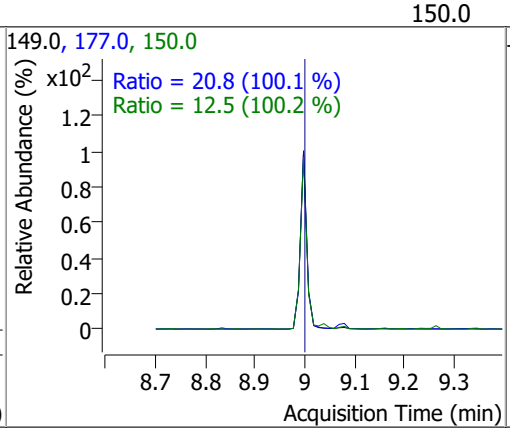


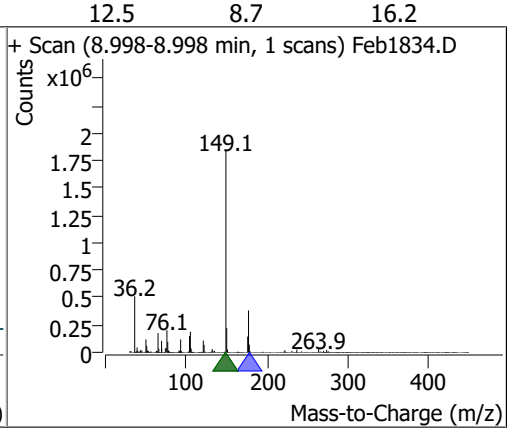




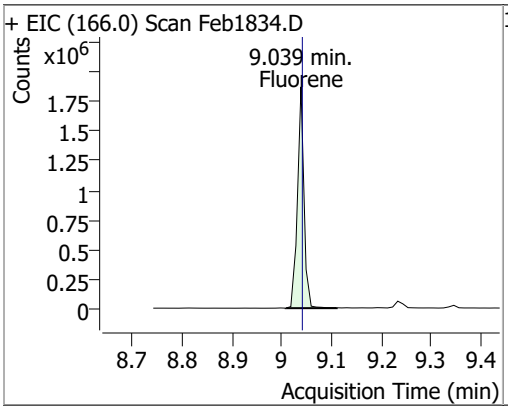
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	90.7745	9.00	0.00	1654162	177.0	20.8	14.5	27.0
					150.0	12.5	8.7	16.2

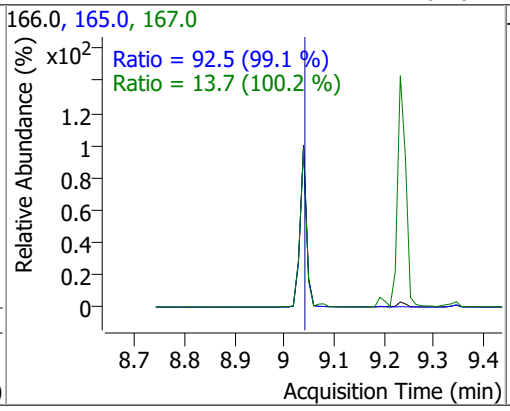


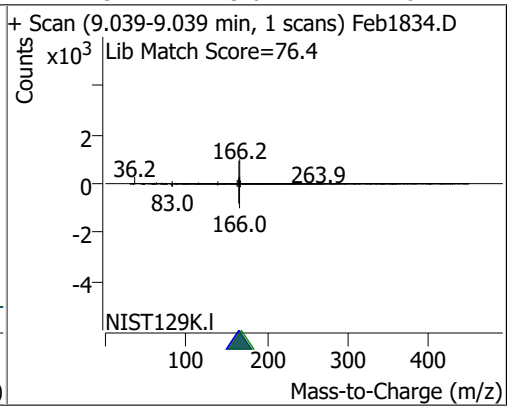




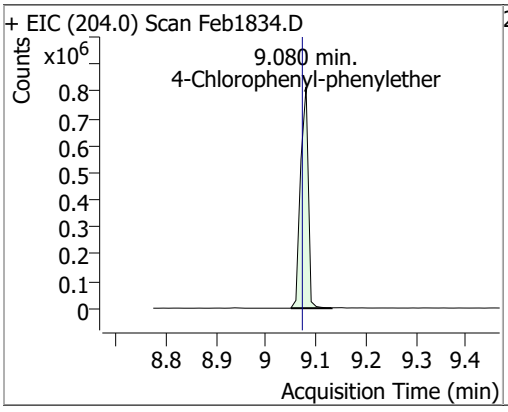
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	82.6529	9.04	0.00	1714166	165.0	92.5	65.4	121.4
					167.0	13.7	9.6	17.8

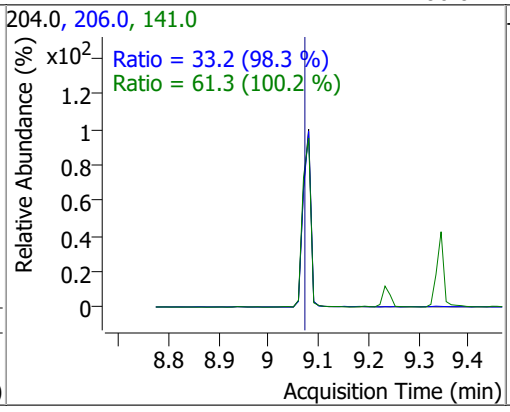


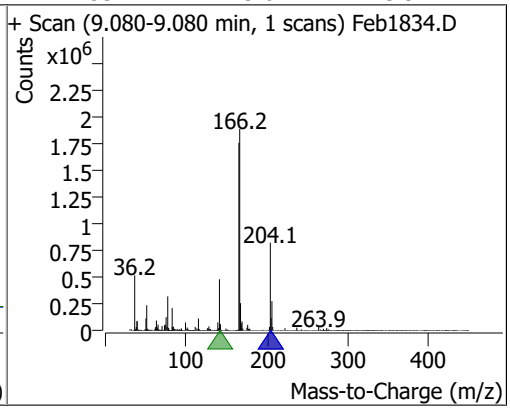




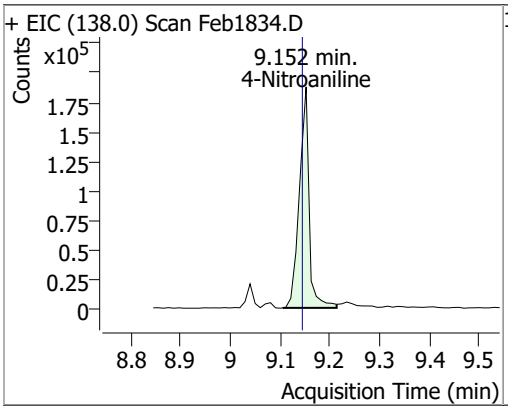
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	93.4541	9.08	0.01	879734	141.0	61.3	42.8	79.6
					206.0	33.2	23.6	43.9

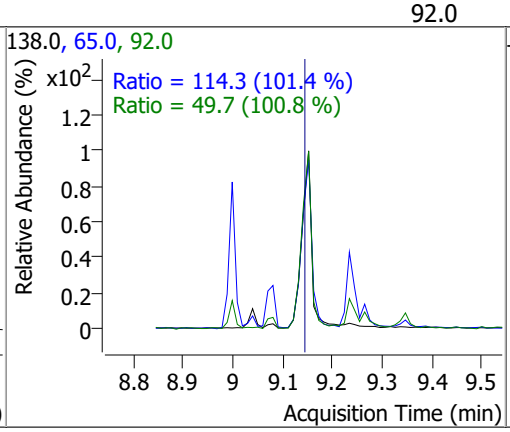


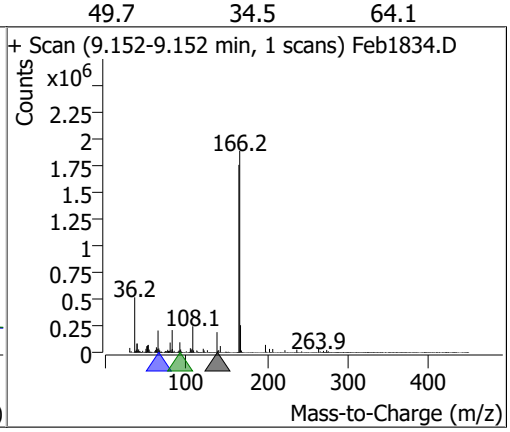




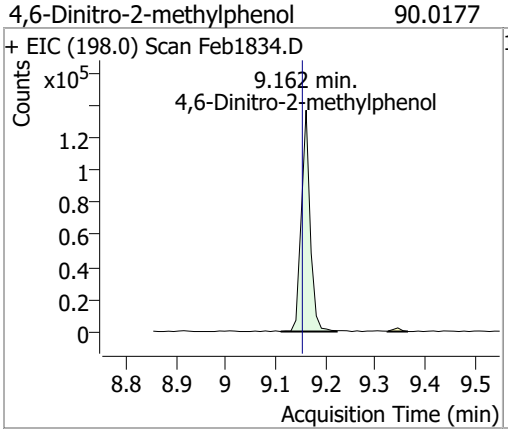
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	83.8914	9.15	0.01	254928	65.0	114.3	78.9	146.6
					92.0	49.7	34.5	64.1

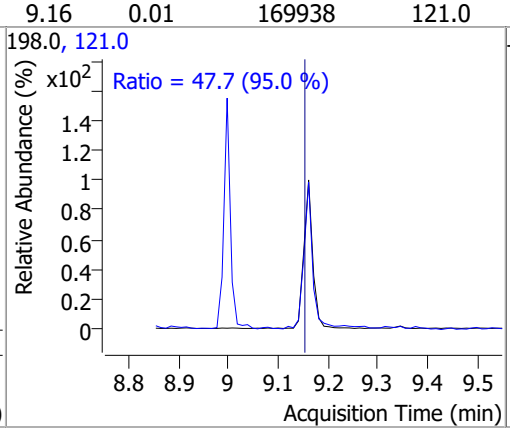


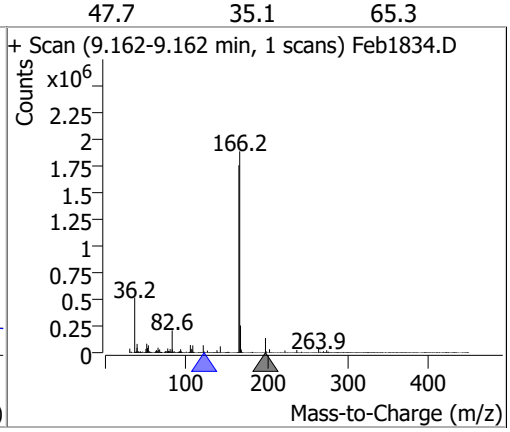




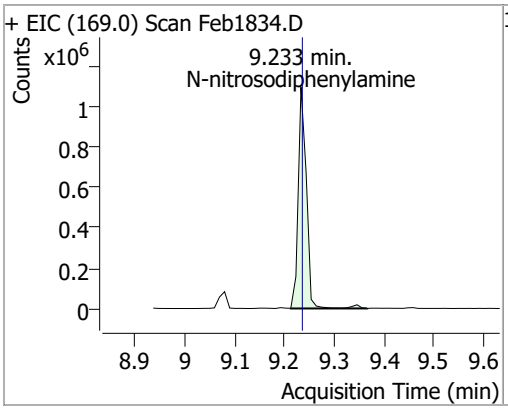
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	90.0177	9.16	0.01	169938	121.0	47.7	35.1	65.3

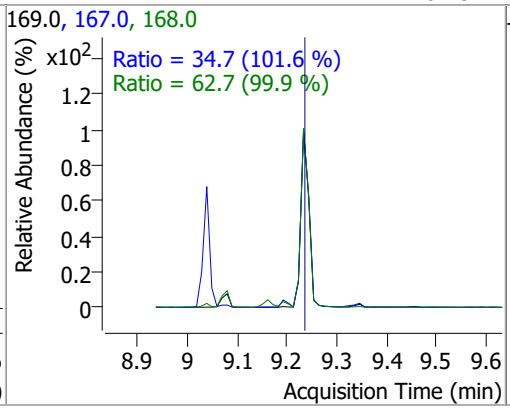


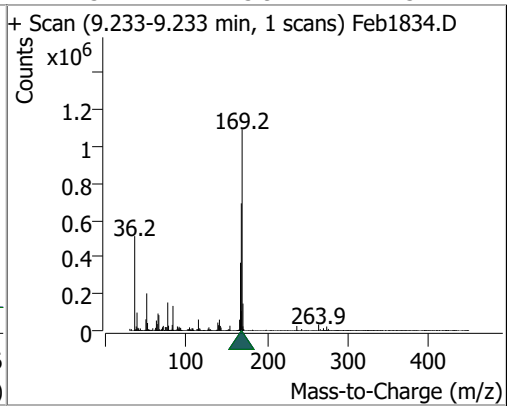




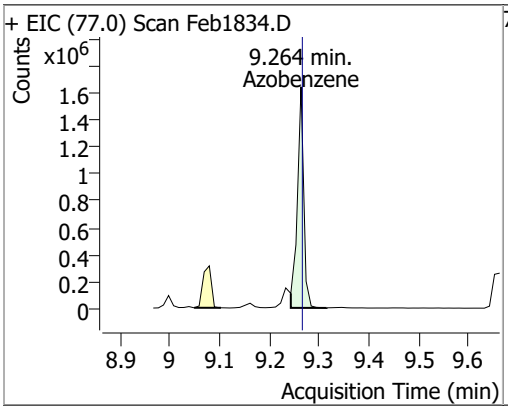
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	87.5641	9.23	0.00	1247962	168.0	62.7	44.0	81.7
					167.0	34.7	23.9	44.3

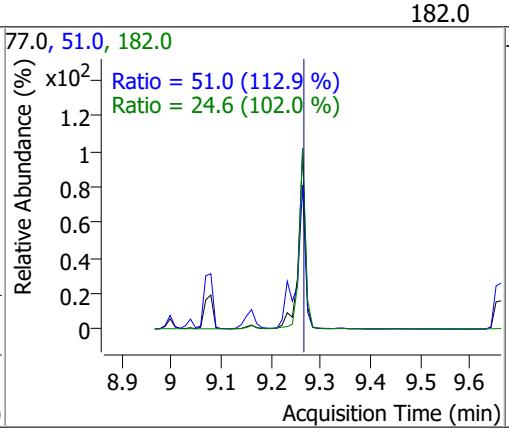


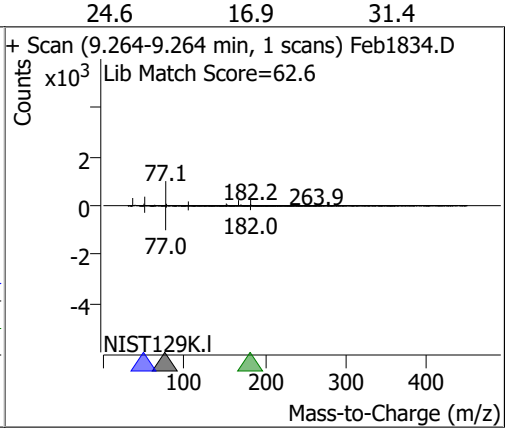




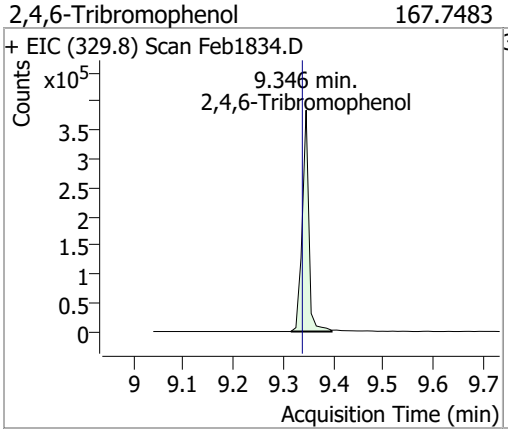
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	77.9719	9.26	0.00	1463882	51.0	51.0	31.6	58.7
					182.0	24.6	16.9	31.4

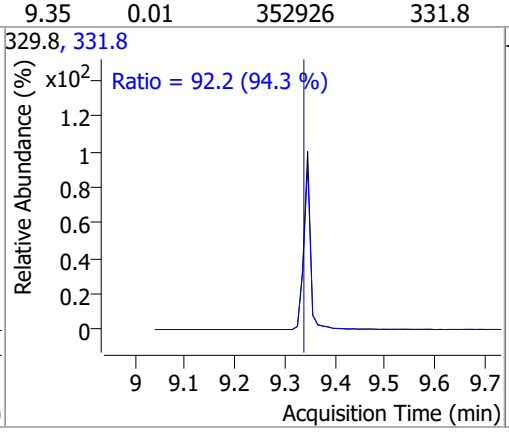


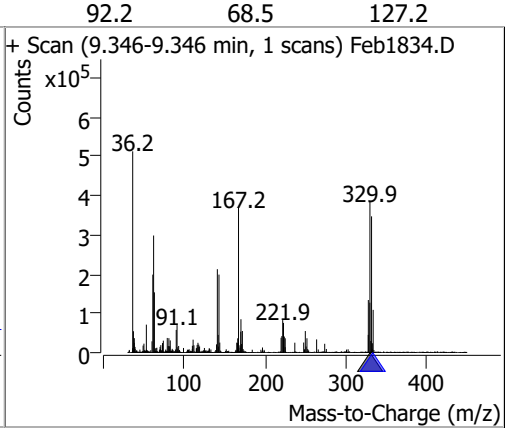




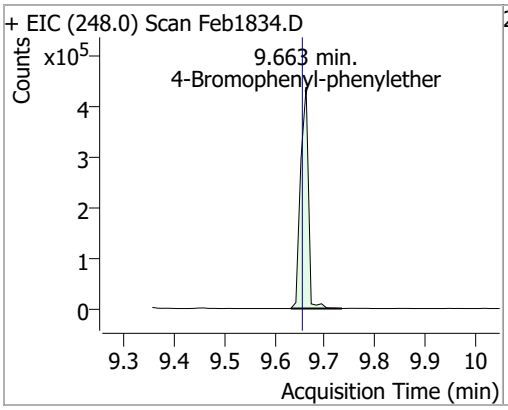
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	167.7483	9.35	0.01	352926	331.8	92.2	68.5	127.2

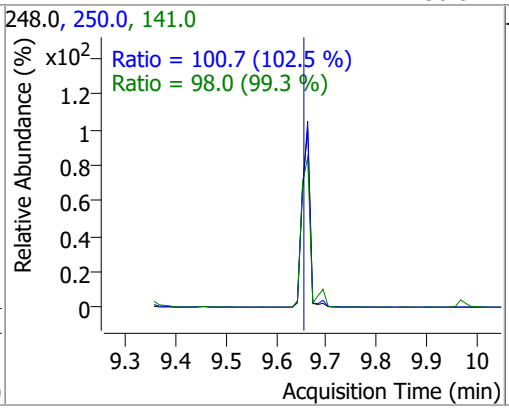


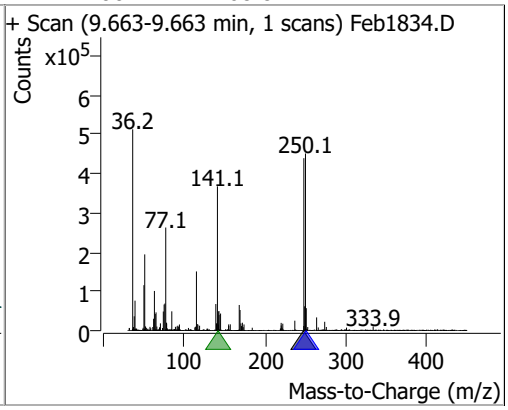




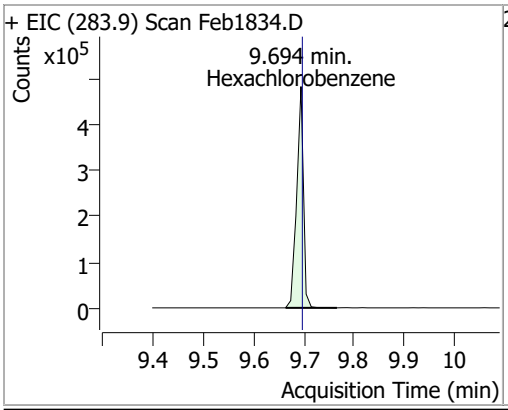
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	87.6810	9.66	0.01	476791	141.0	98.0	69.1	128.4
					250.0	100.7	68.8	127.7

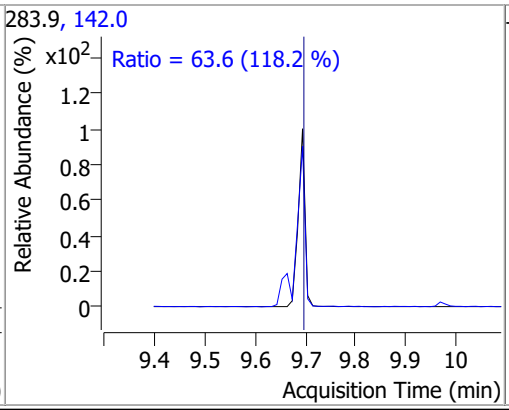


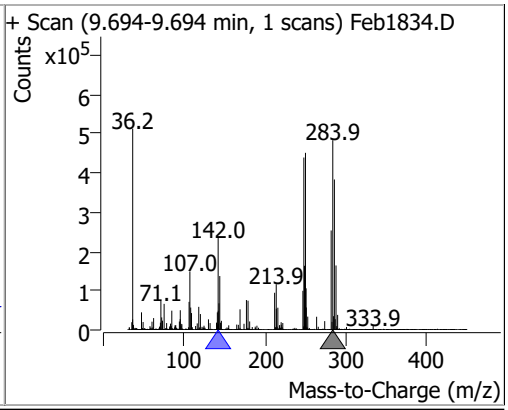




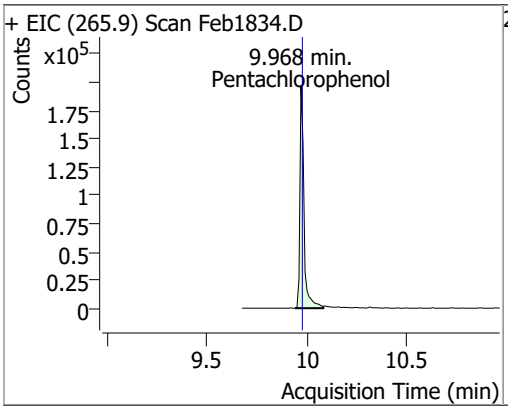
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	82.4116	9.69	0.00	451323	142.0	63.6	37.7	70.0

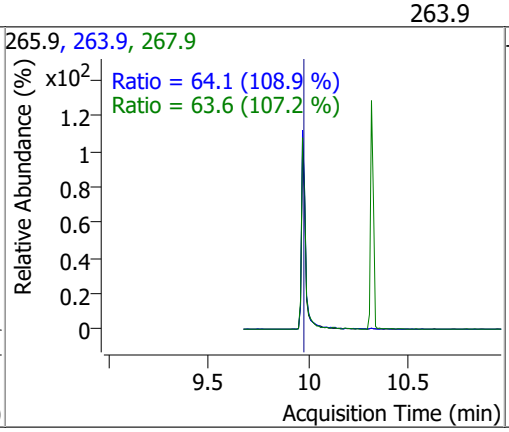


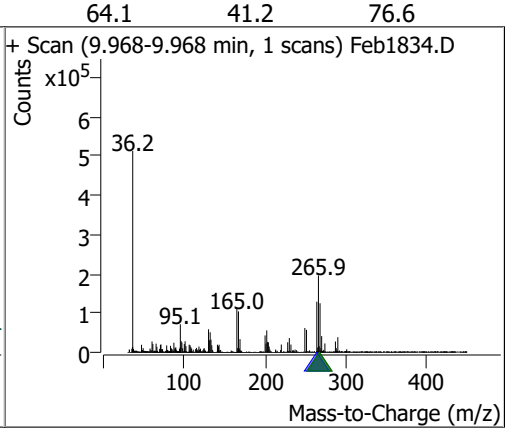




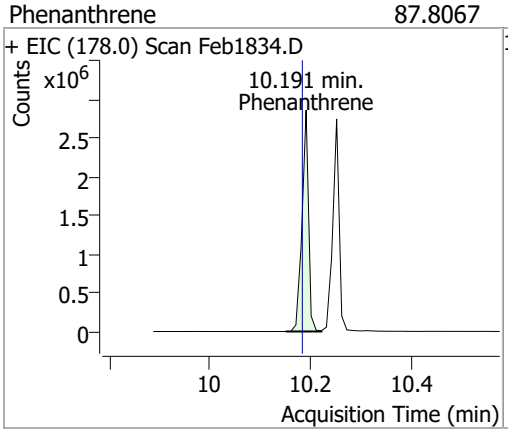
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	102.4248	9.97	0.00	276227	267.9	63.6	41.5	77.2
					263.9	64.1	41.2	76.6

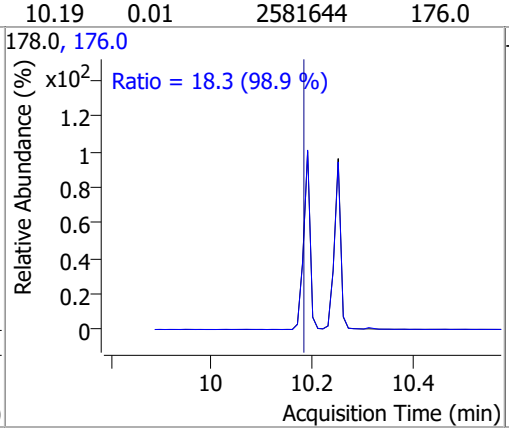


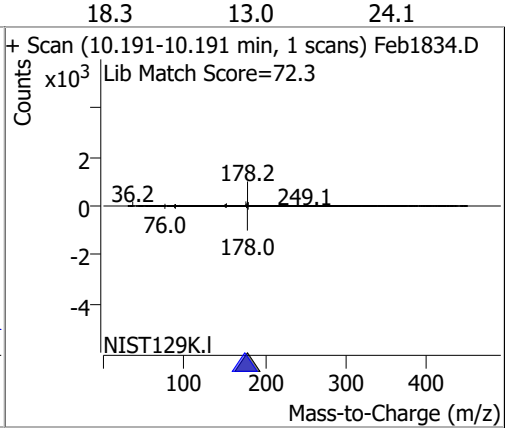




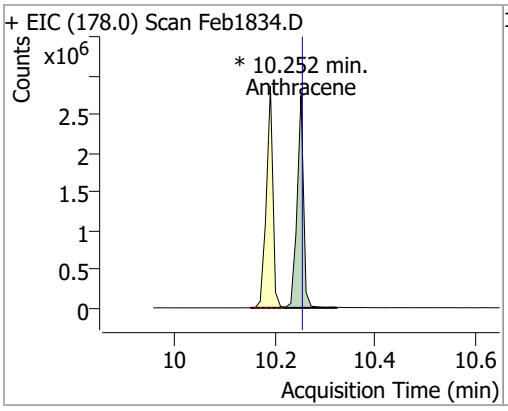
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	87.8067	10.19	0.01	2581644	176.0	18.3	13.0	24.1

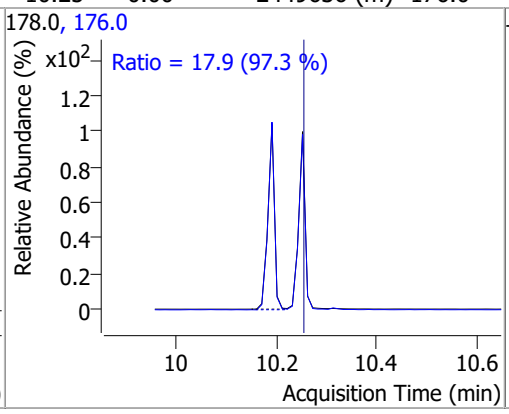


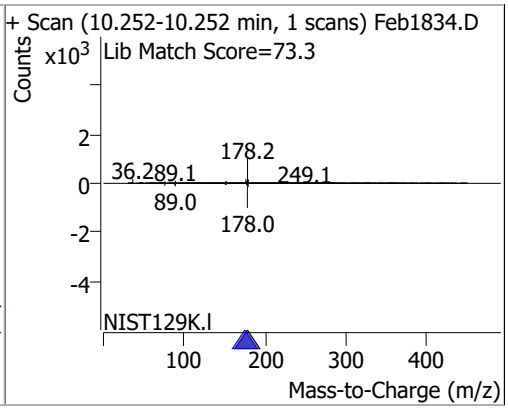




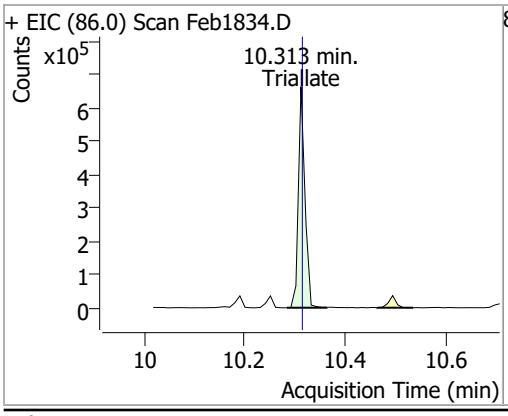
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	87.7626	10.25	0.00	2449636 (m)	176.0	17.9	12.9	23.9

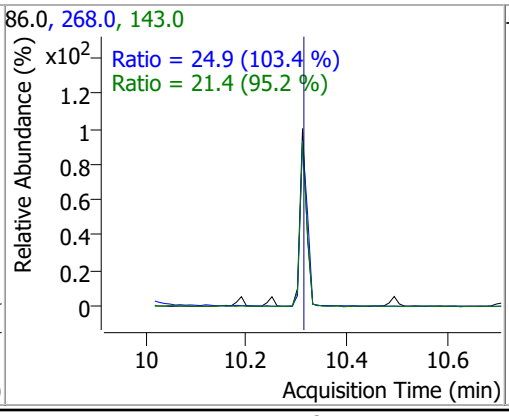


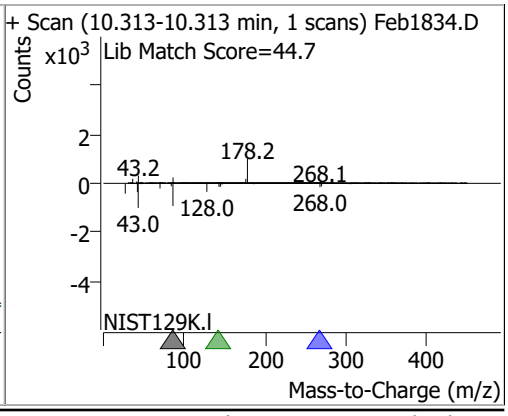




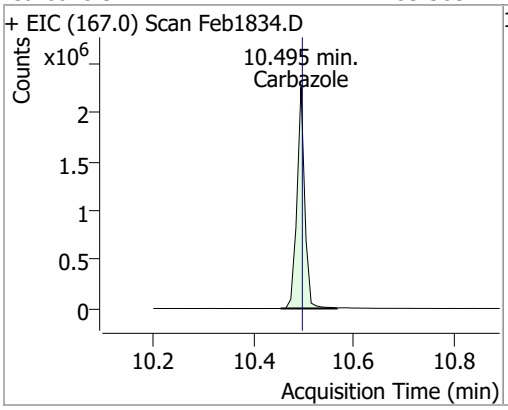
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	89.0534	10.31	0.00	601753	268.0	24.9	16.9	31.4
					143.0	21.4	15.8	29.3

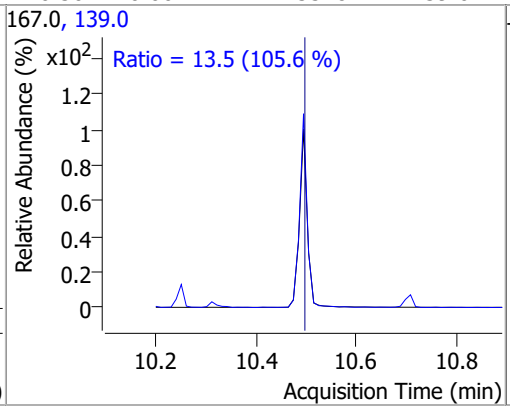


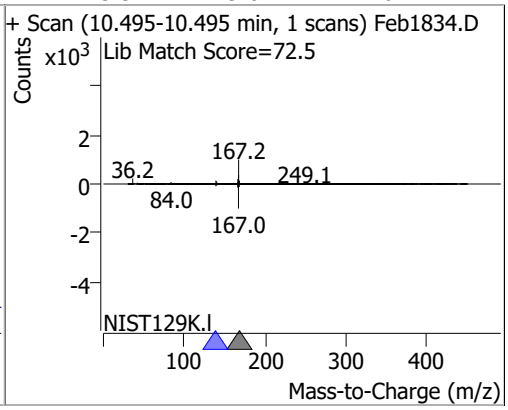




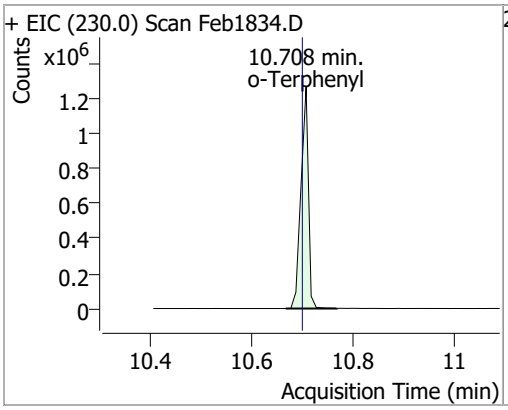
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	85.5831	10.50	0.00	2425578	139.0	13.5	9.0	16.7

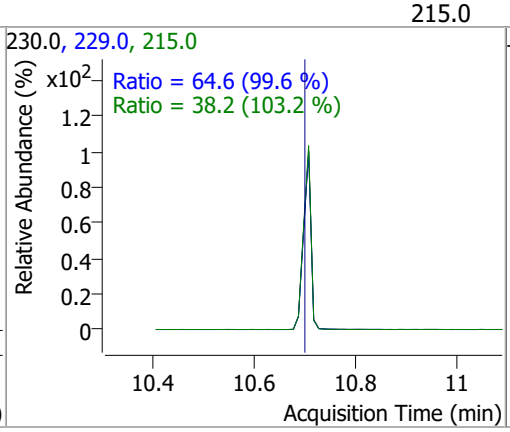


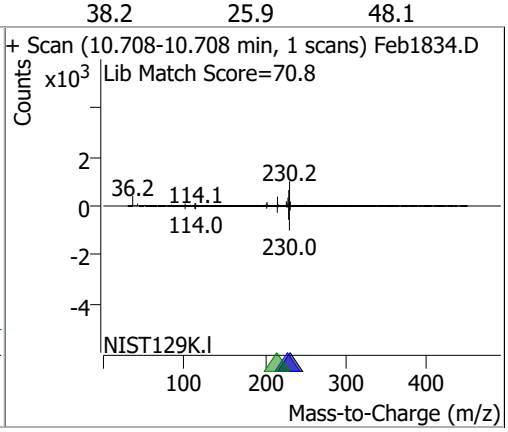




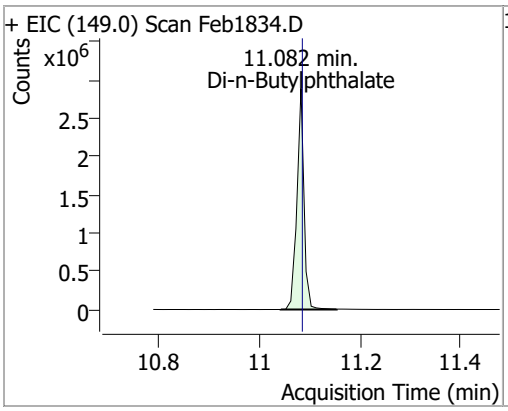
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	82.9332	10.71	0.01	1301022	229.0	64.6	45.4	84.3
					215.0	38.2	25.9	48.1

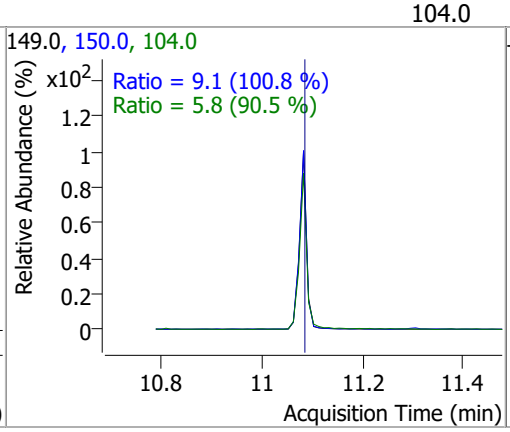


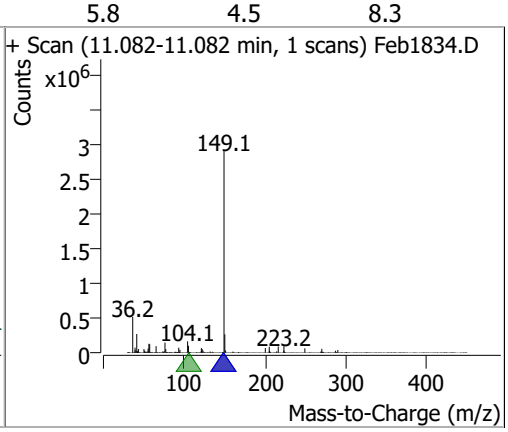




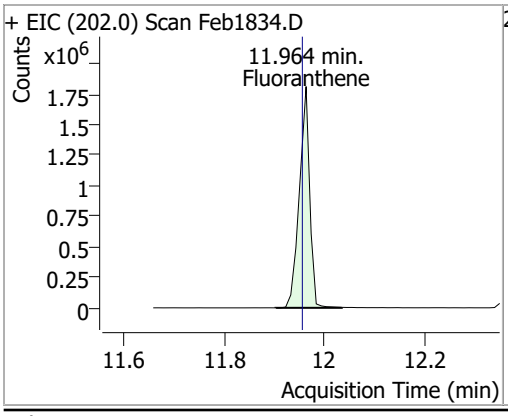
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	101.1987	11.08	0.00	2828118	150.0	9.1	6.3	11.8
					104.0	5.8	4.5	8.3

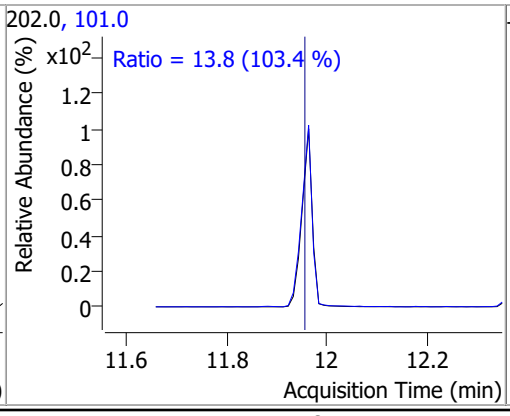


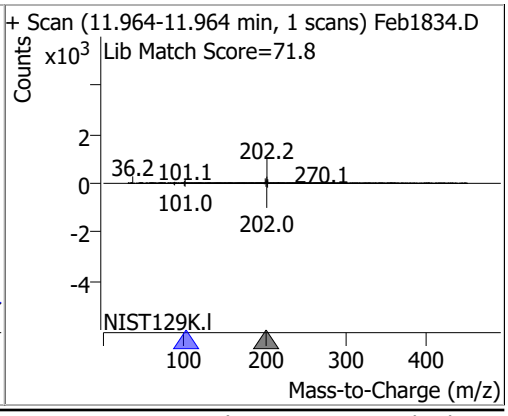




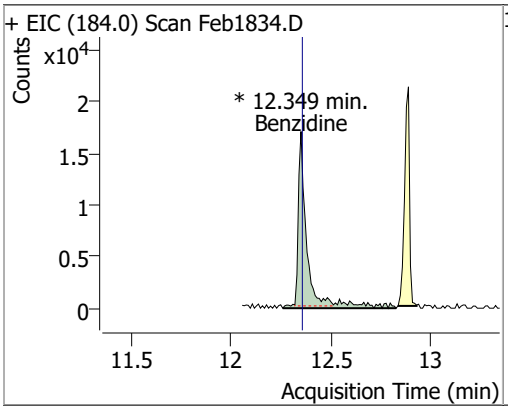
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	87.3035	11.96	0.01	2589198	101.0	13.8	9.4	17.4

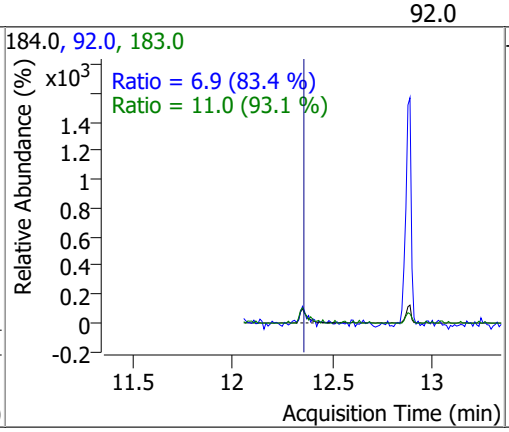


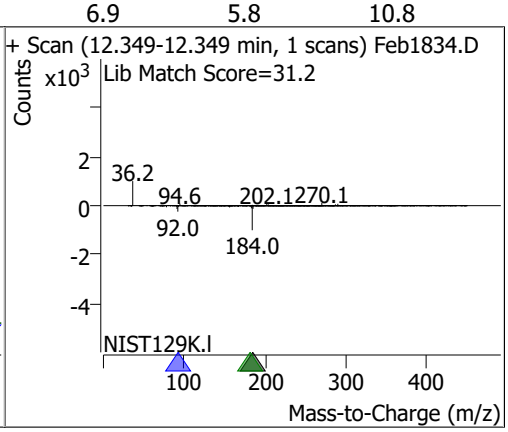




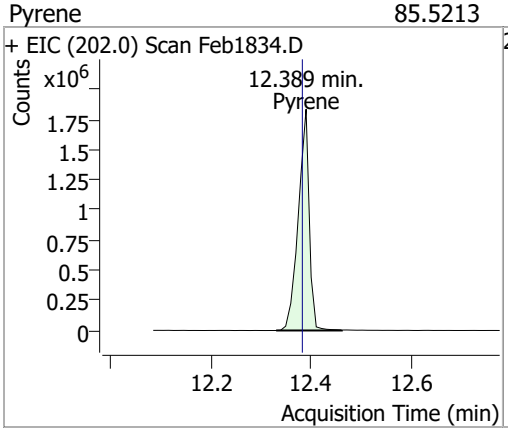
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	6.1618	12.35	0.00	53736 (m)	183.0	11.0	8.3	15.4
					92.0	6.9	5.8	10.8

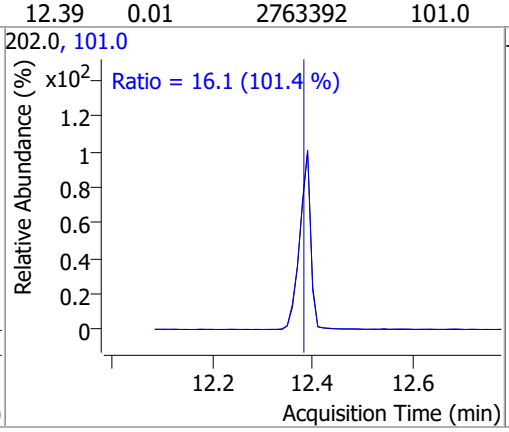


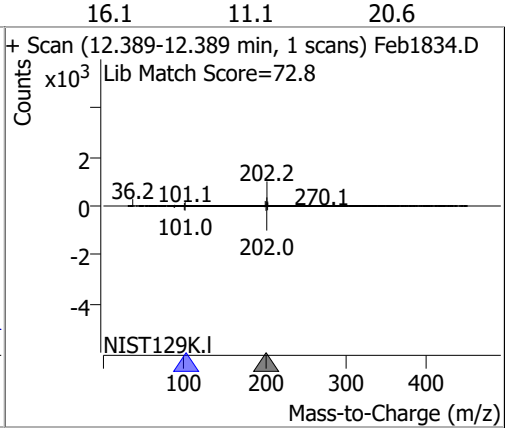




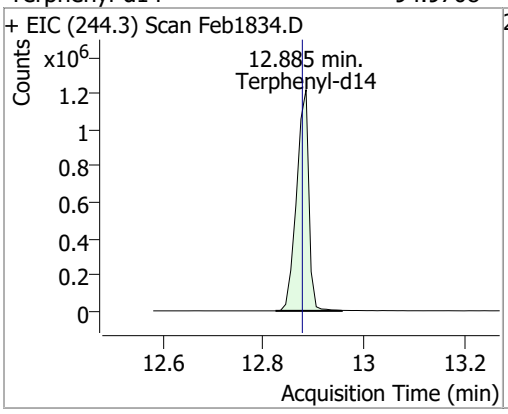
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	85.5213	12.39	0.01	2763392	101.0	16.1	11.1	20.6

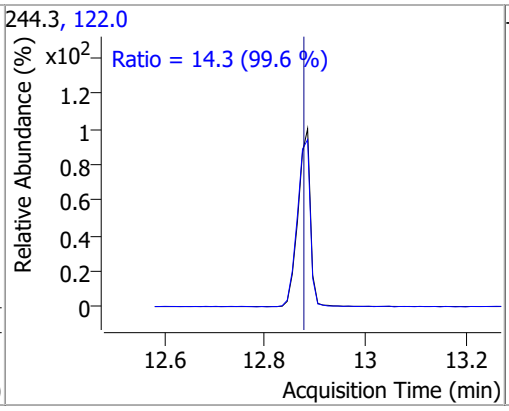


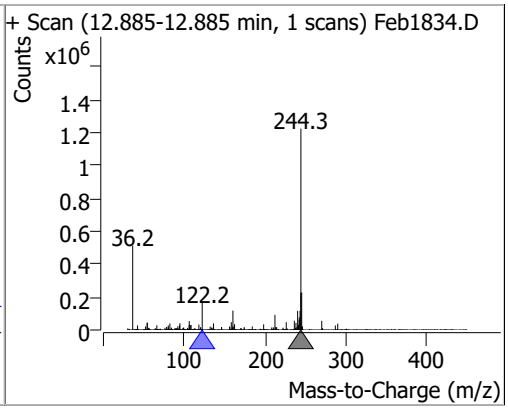




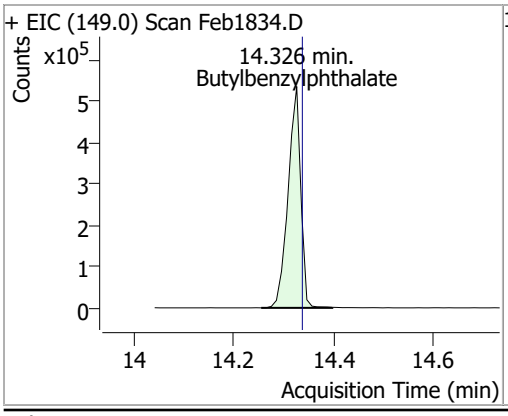
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	94.9708	12.89	0.01	2066650	122.0	14.3	10.1	18.7

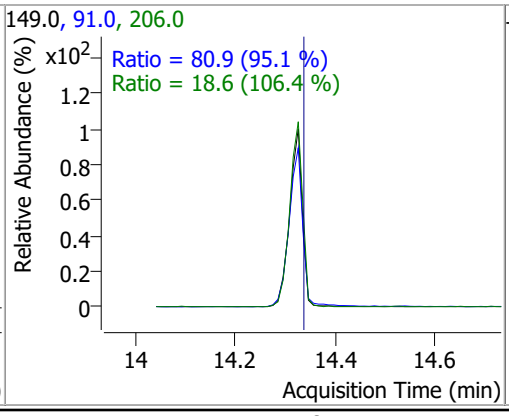


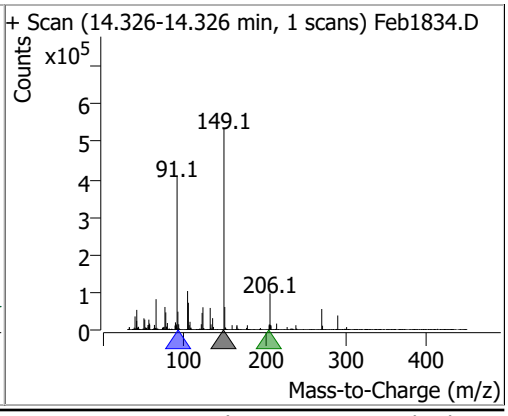




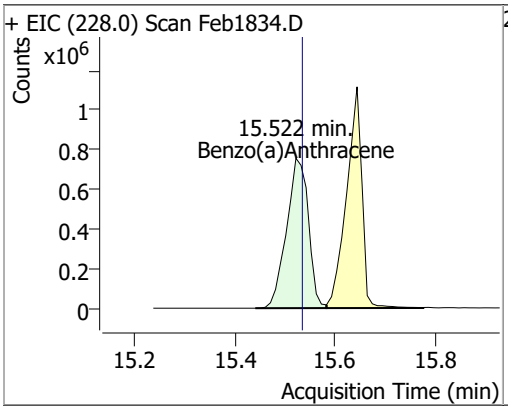
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	98.2176	14.33	0.01	945370	91.0	80.9	59.6	110.6
					206.0	18.6	12.2	22.7

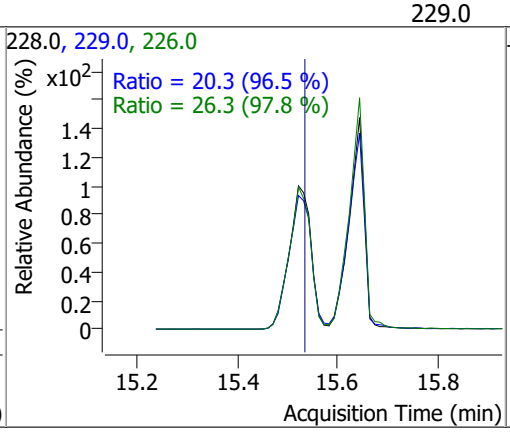


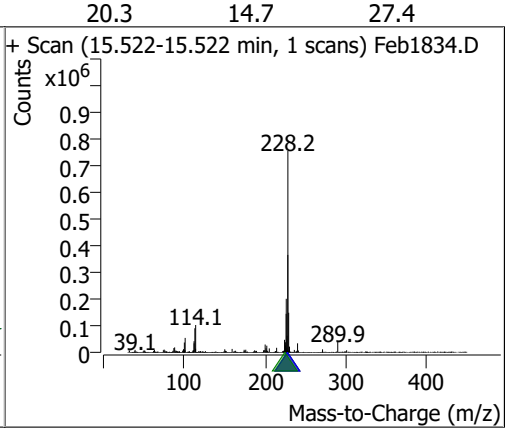




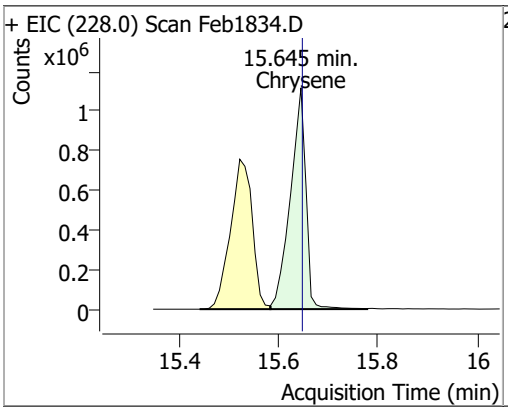
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	95.6039	15.52	0.01	2298379	226.0	26.3	18.8	34.9
					229.0	20.3	14.7	27.4

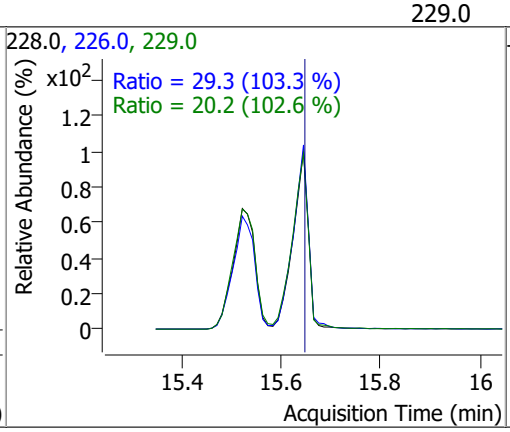


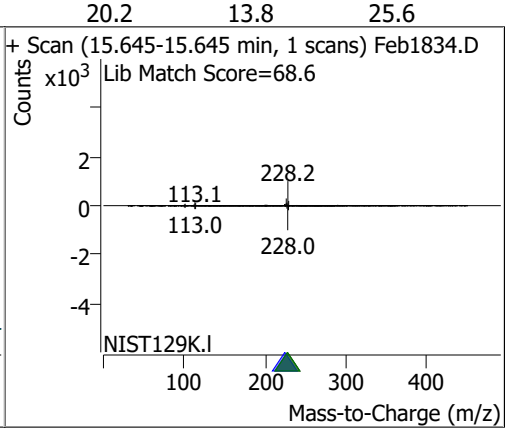




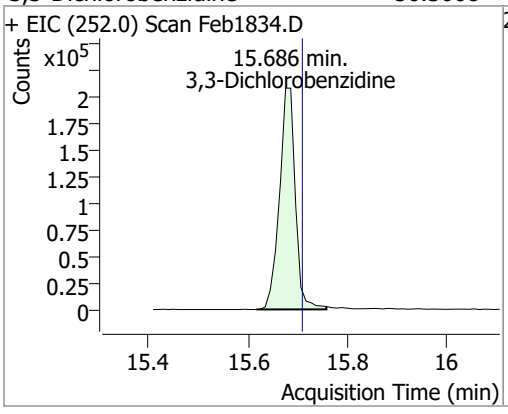
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	90.0284	15.64	0.02	2411425	226.0	29.3	19.9	36.9
					229.0	20.2	13.8	25.6

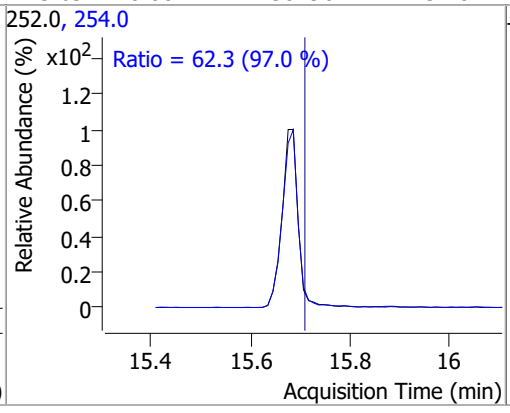


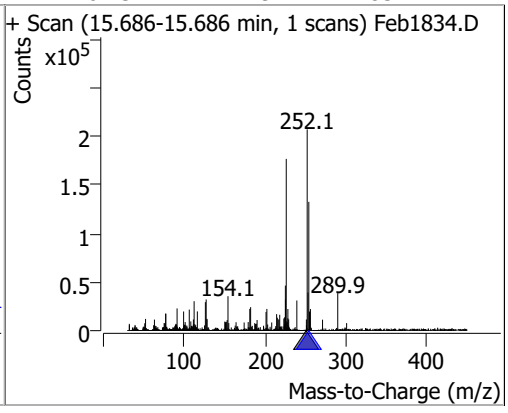




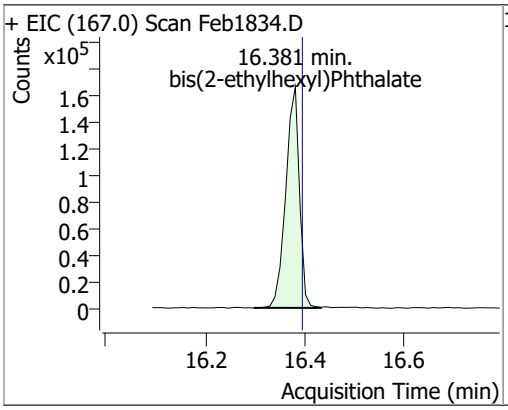
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	56.3068	15.69	0.00	458296	254.0	62.3	44.9	83.4

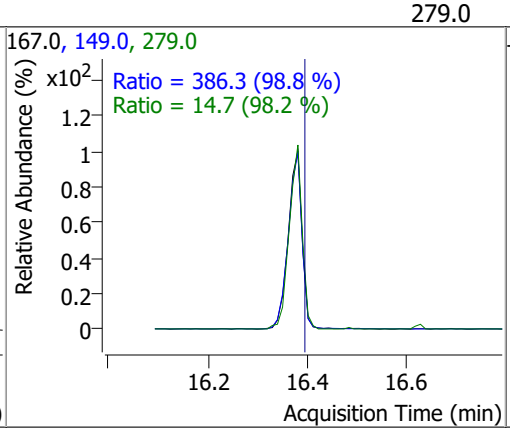


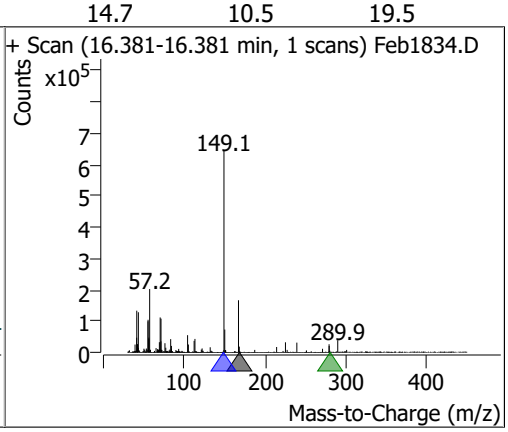




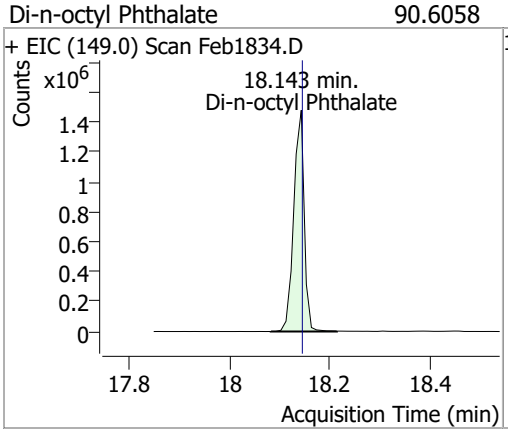
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	95.6127	16.38	0.01	315148	149.0	386.3	273.6	508.0
					279.0	14.7	10.5	19.5

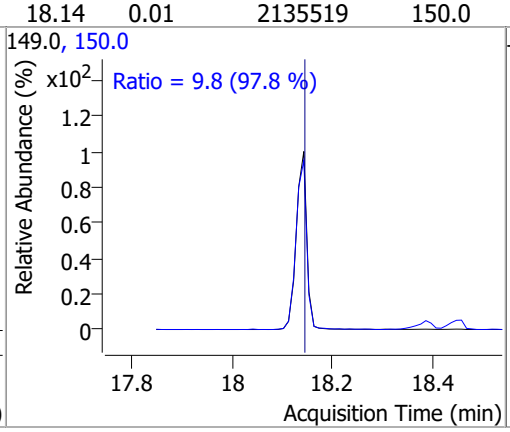


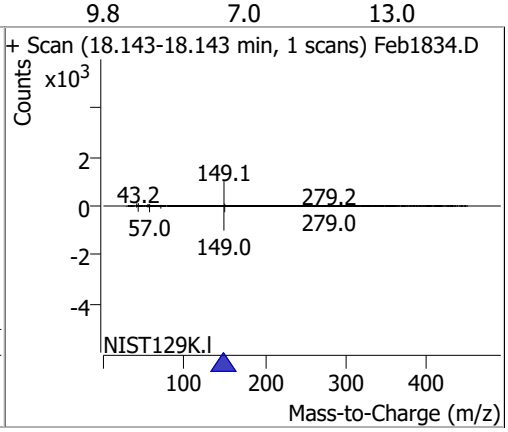




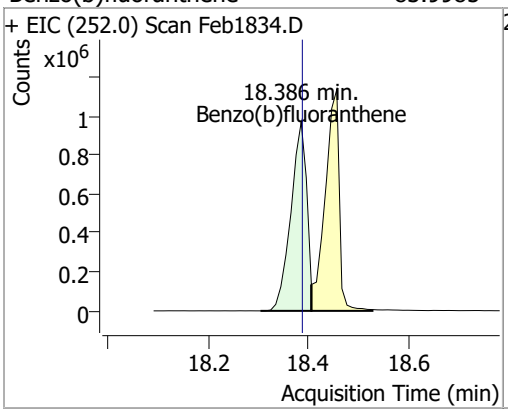
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	90.6058	18.14	0.01	2135519	150.0	9.8	7.0	13.0

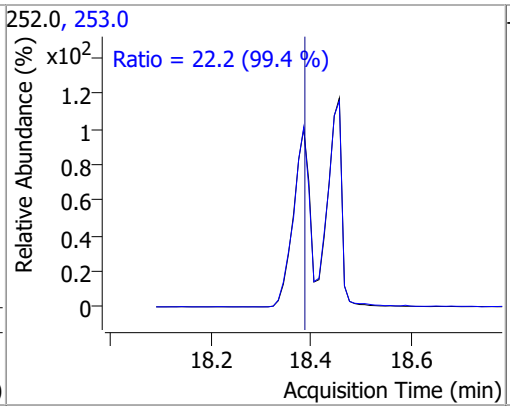


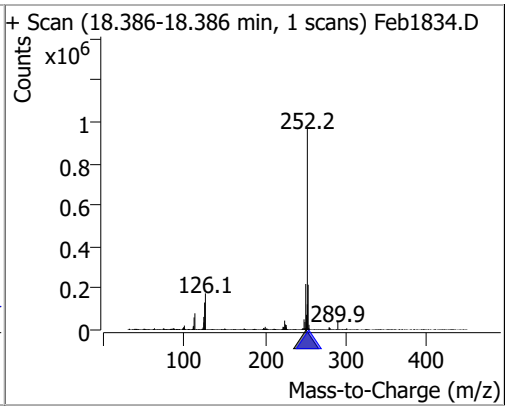




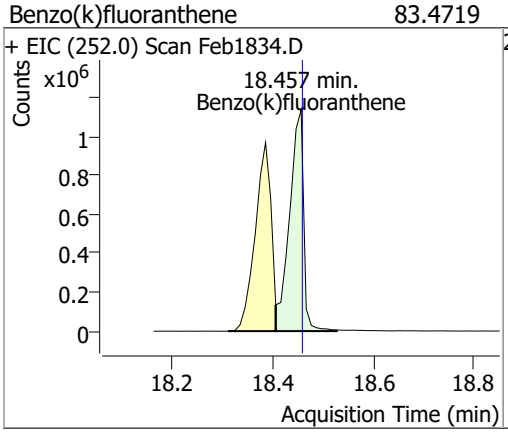
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	83.9985	18.39	0.01	2107479	253.0	22.2	15.6	29.0

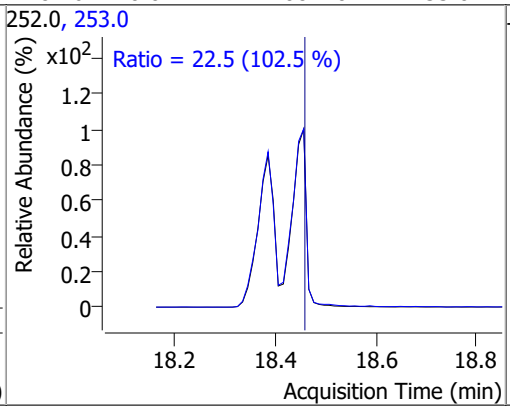


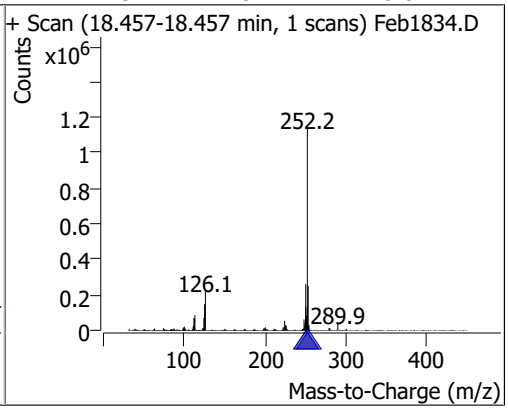




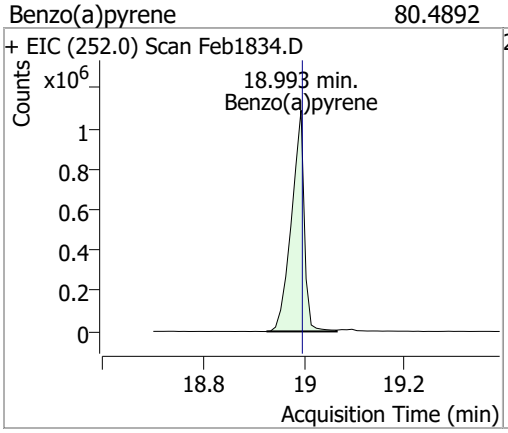
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	83.4719	18.46	0.01	2208240	253.0	22.5	15.4	28.6

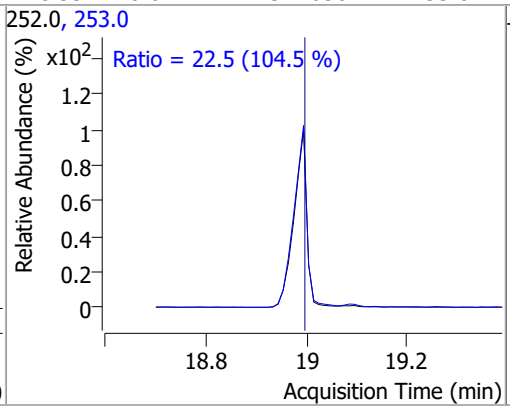


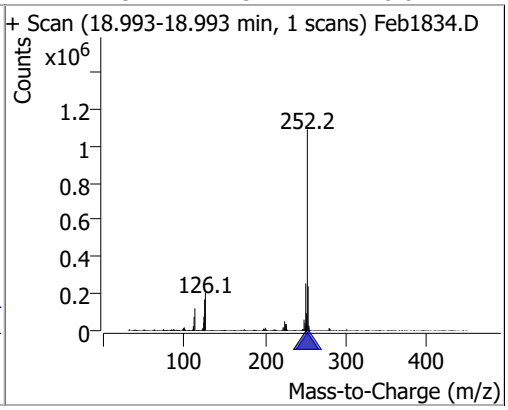




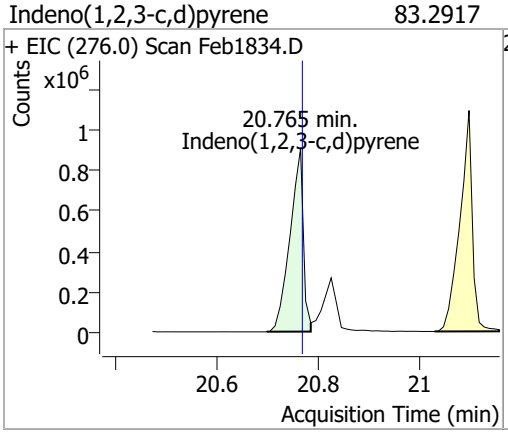
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	80.4892	18.99	0.01	1917636	253.0	22.5	15.1	28.0

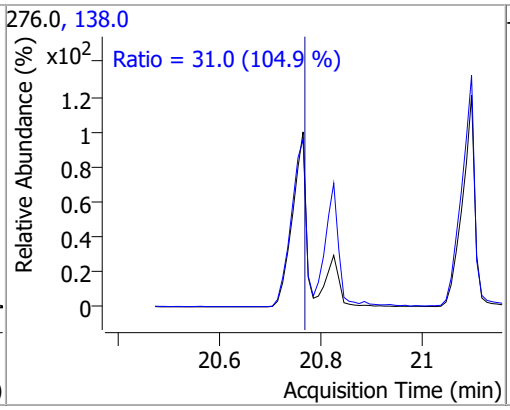


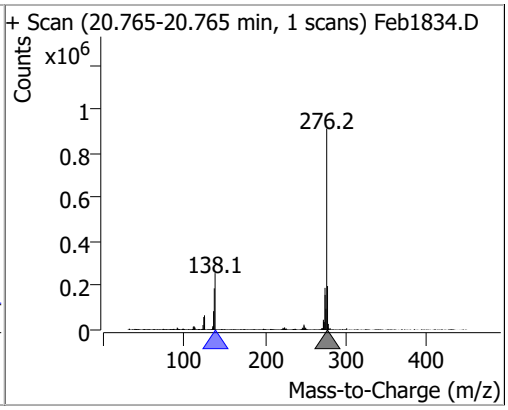




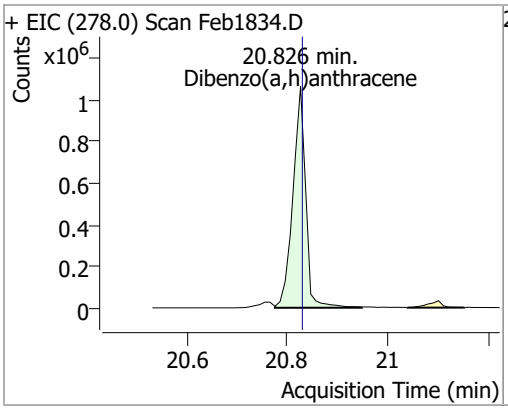
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	83.2917	20.77	0.01	1663779	138.0	31.0	20.7	38.5

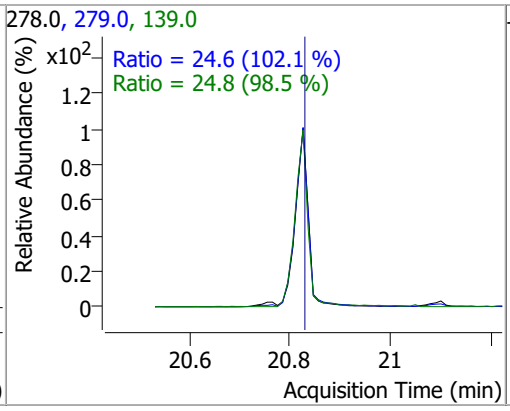


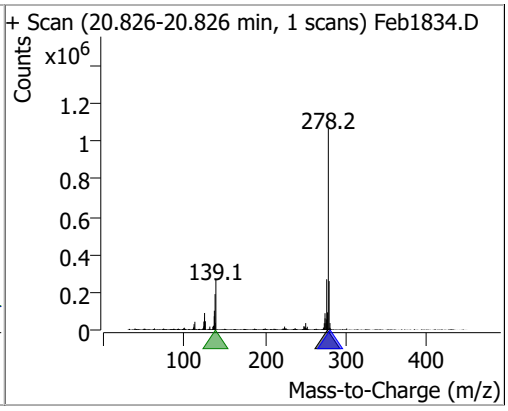




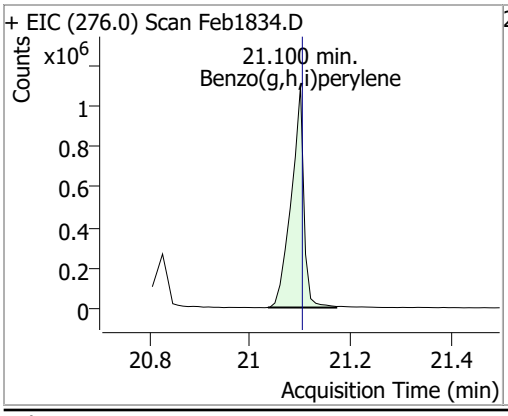
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	86.0060	20.83	0.01	1871892	139.0	24.8	17.6	32.7
					279.0	24.6	16.9	31.3

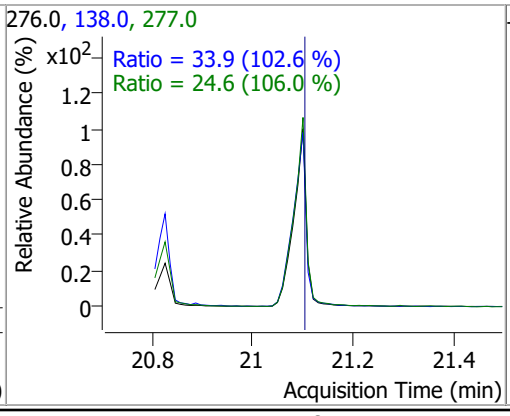


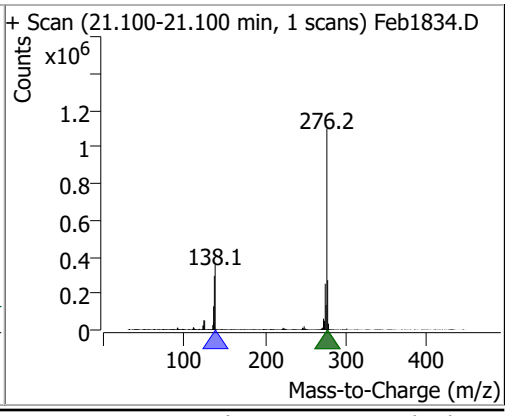




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	82.6142	21.10	0.01	1903321	138.0	33.9	23.1	42.9
					277.0	24.6	16.3	30.2

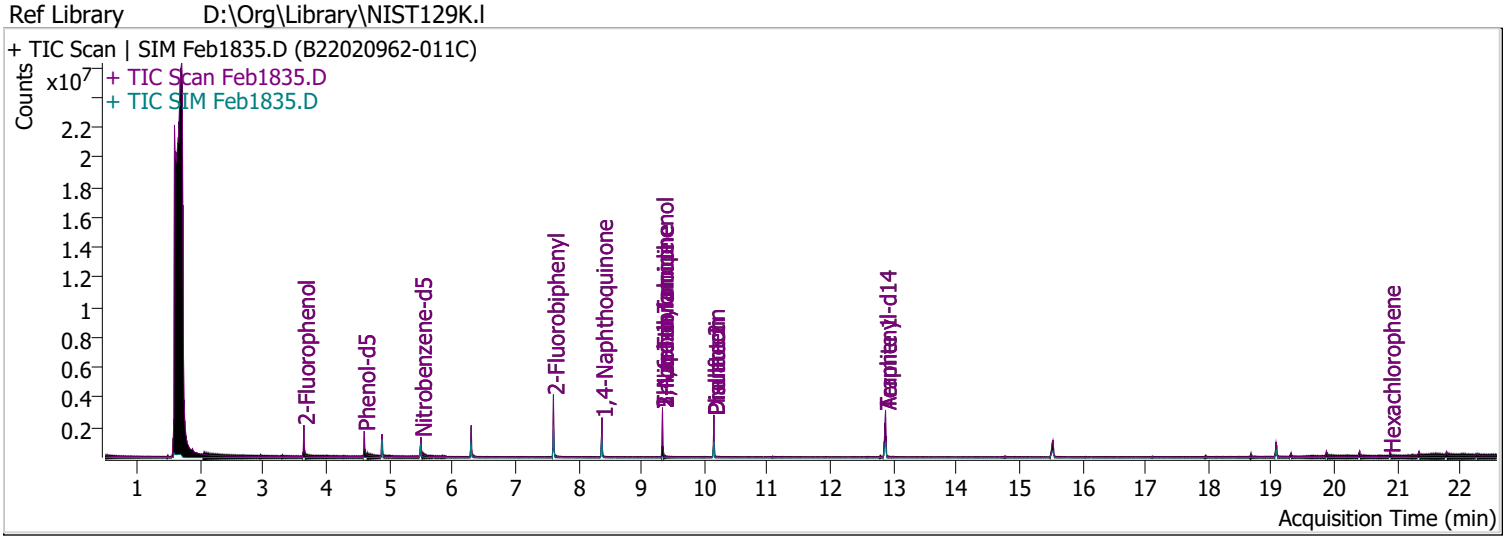






Quantitation Results Report (QT Reviewed)

Data File	Feb1835.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/20/2022 2:08:17 AM
Sample Name	B22020962-011C	Instrument	Instrument #1
Vial	35	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



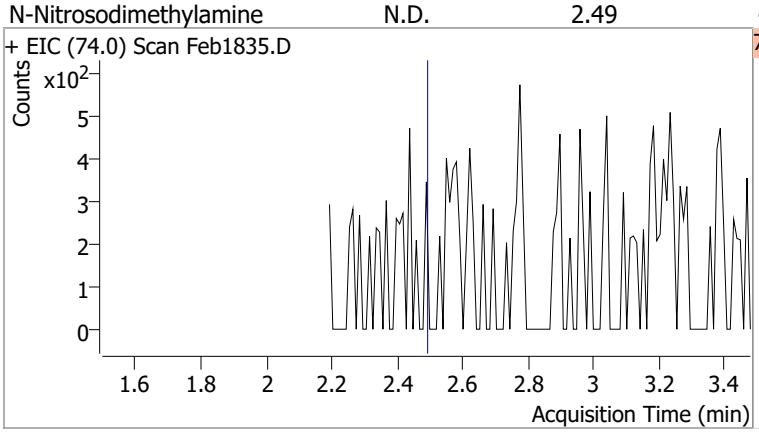
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	547110	68.4004	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 34.20%			
S Phenol-d5	4.603	99.0	596197	57.5998	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 28.80%			
S Nitrobenzene-d5	5.502	82.0	402415	69.9973	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 70.00%			
S 2-Fluorobiphenyl	7.605	172.0	1232821	70.9121	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 70.91%			
S 2,4,6-Tribromophenol	9.336	329.8	260449	163.1736	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 81.59%			
S Terphenyl-d14	12.875	244.3	1725905	103.5926	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 103.59%			
Target Compounds							QValue
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.			
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

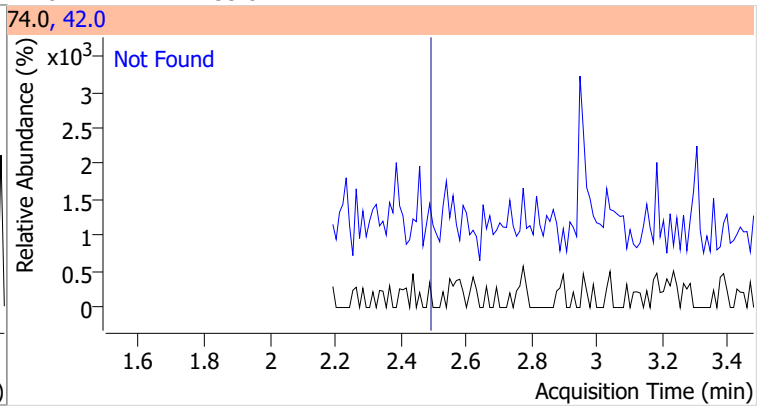
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	6.301	130.0	0		µg/L	md	1
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

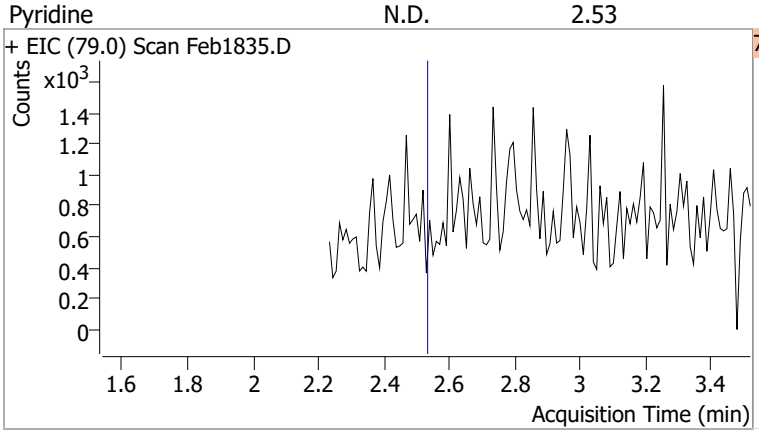
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

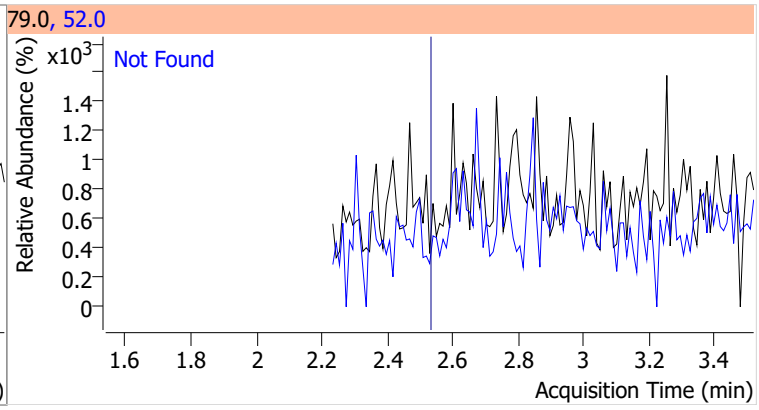
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



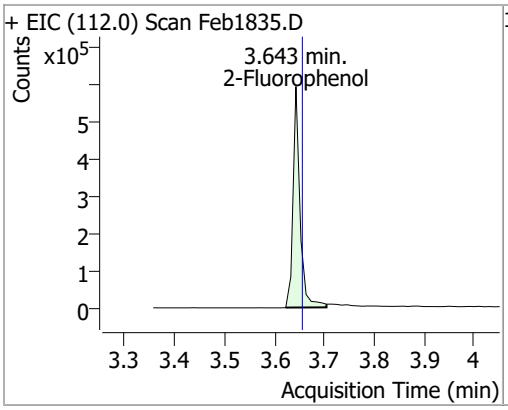


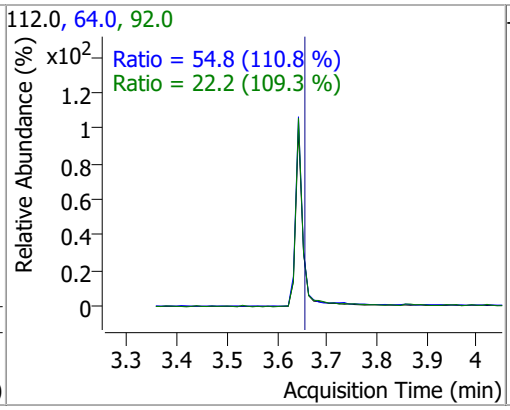
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

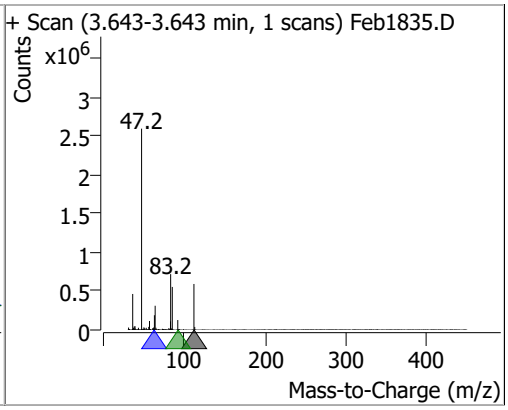




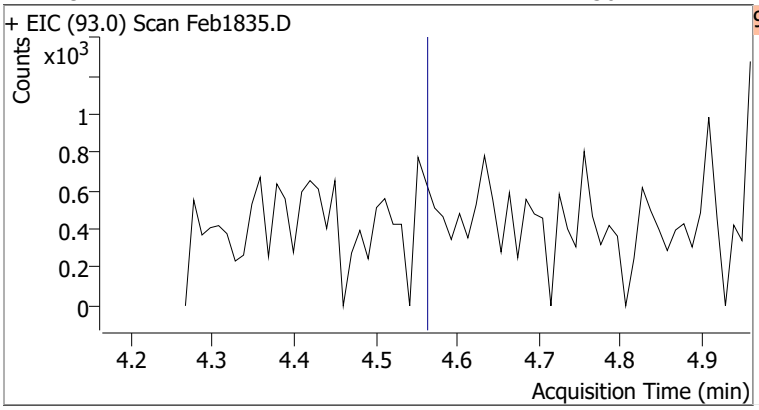
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	68.4004	3.64	-0.01	547110	64.0	54.8	34.6	64.3
					92.0	22.2	14.2	26.5

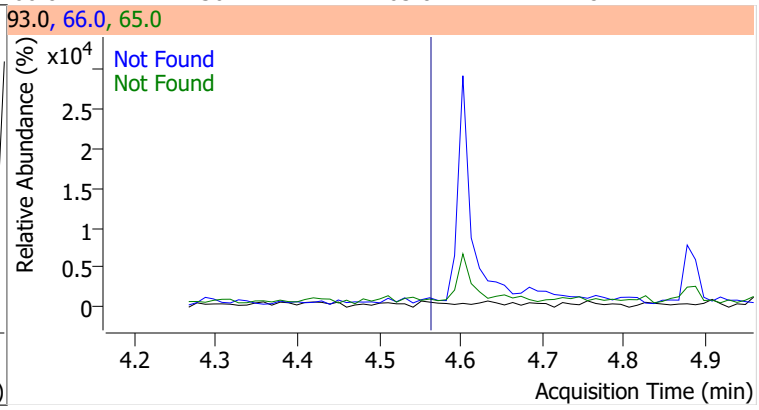






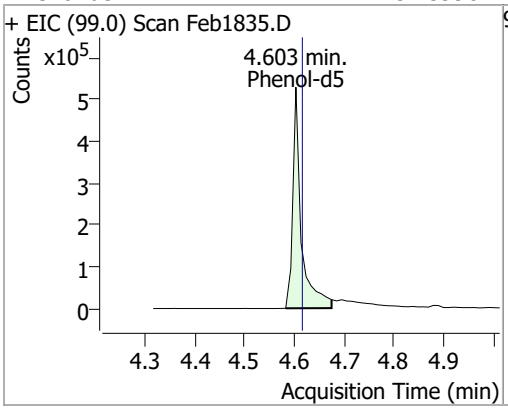
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

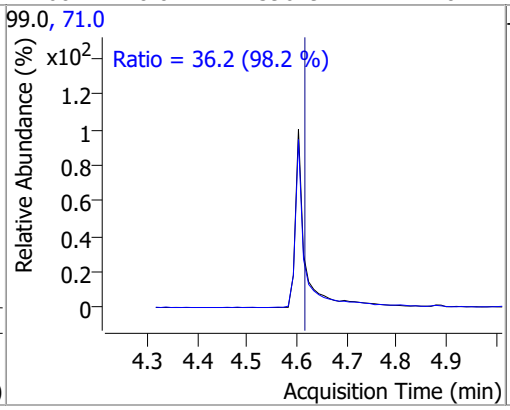


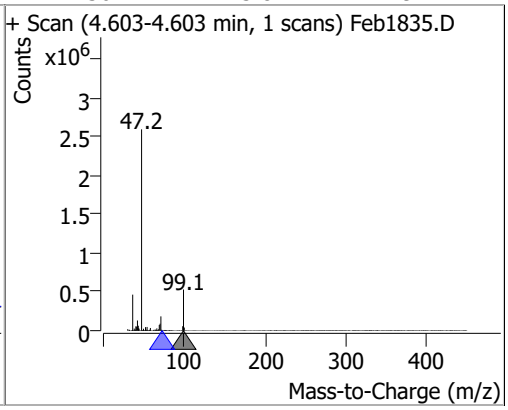


Quantitation Results Report (QT Reviewed)

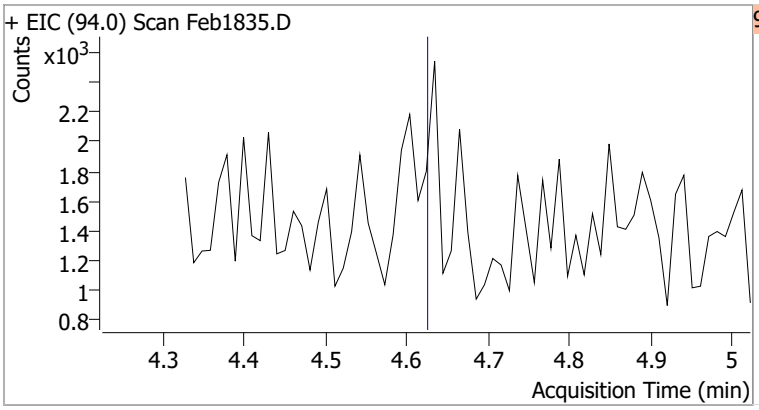
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	57.5998	4.60	-0.01	596197	71.0	36.2	25.8	47.9

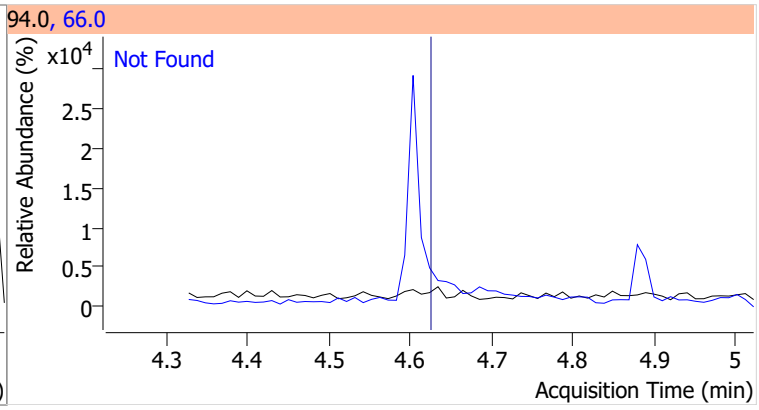




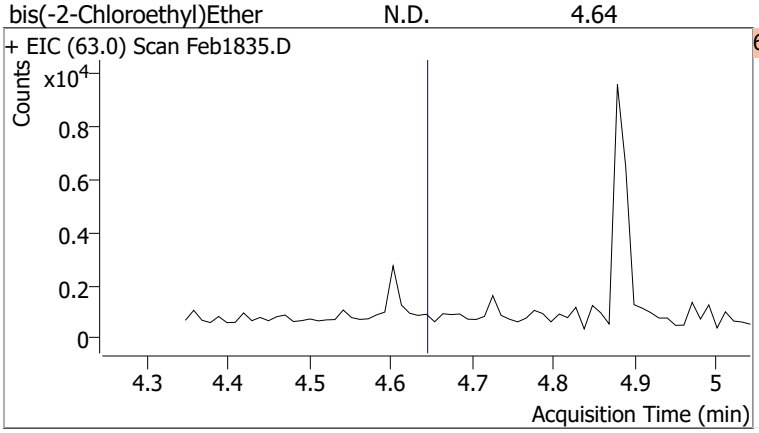


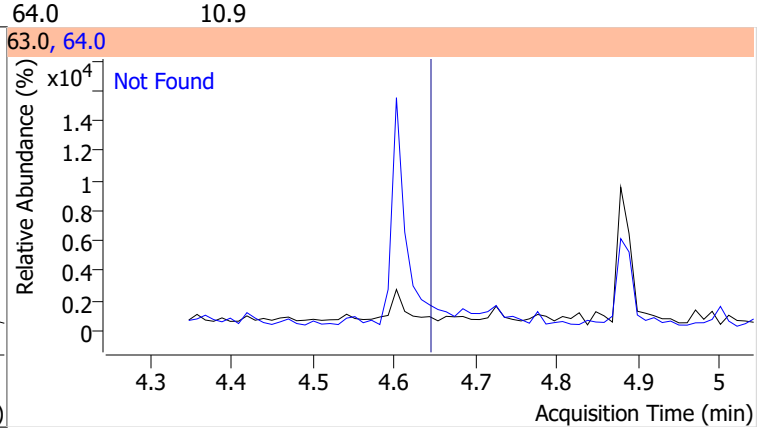
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



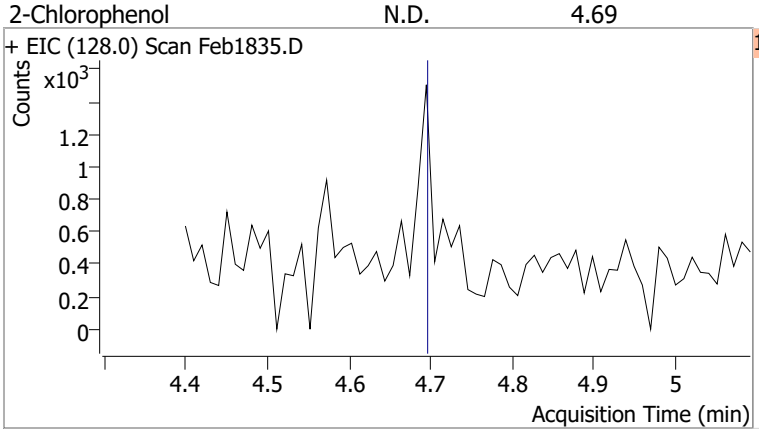


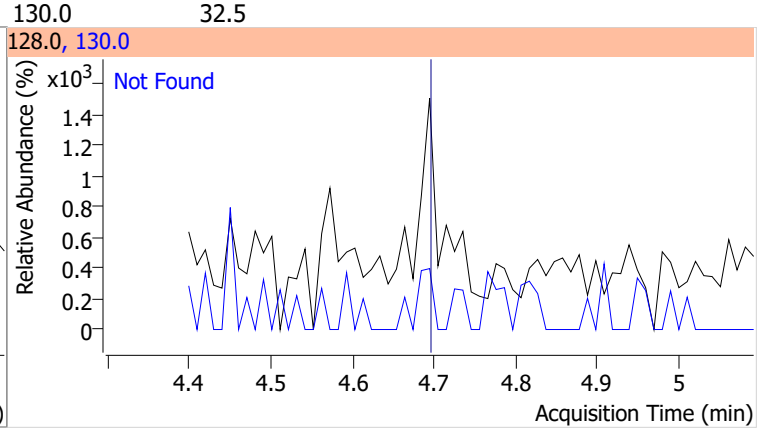
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



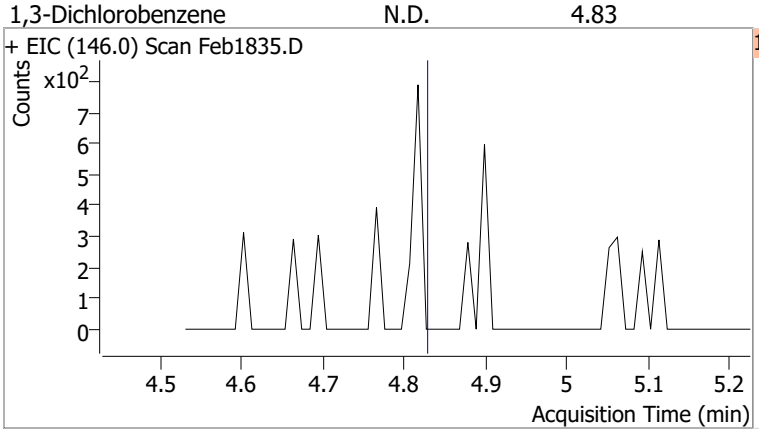


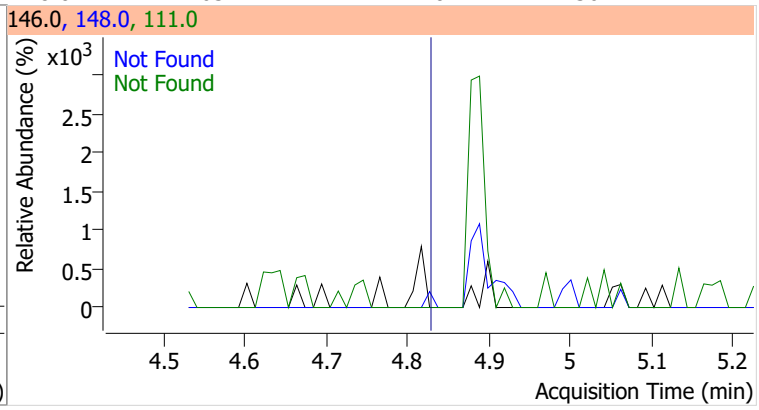
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



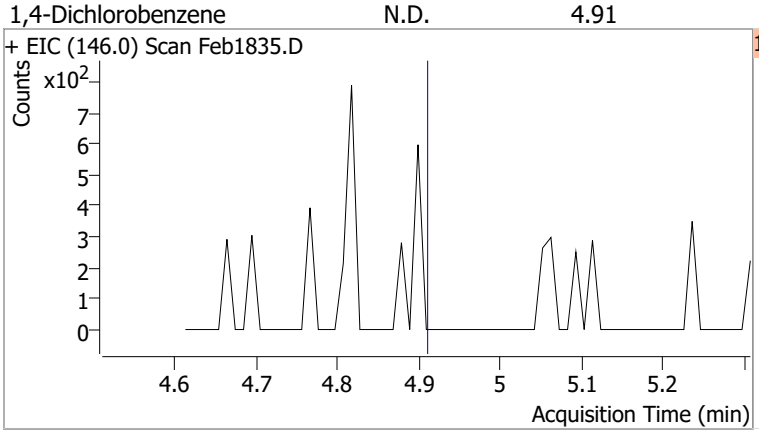


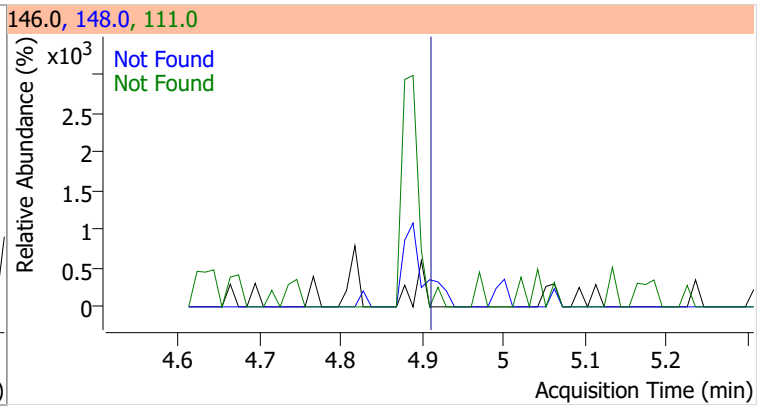
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



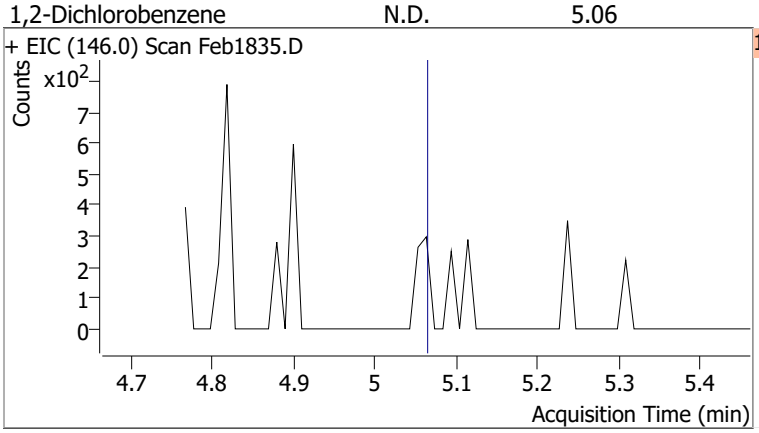


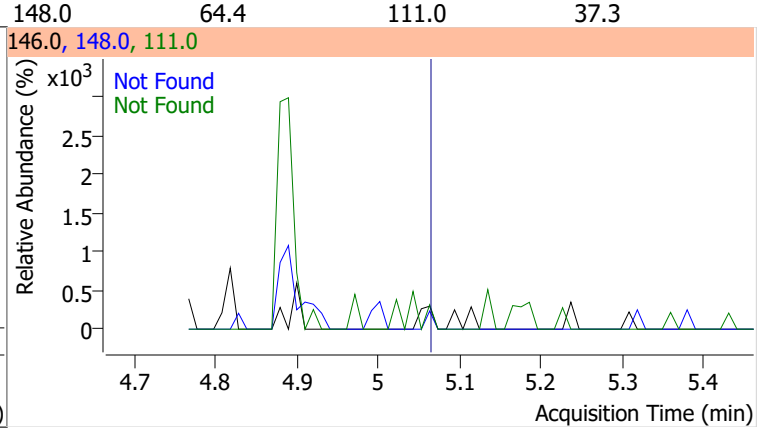
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



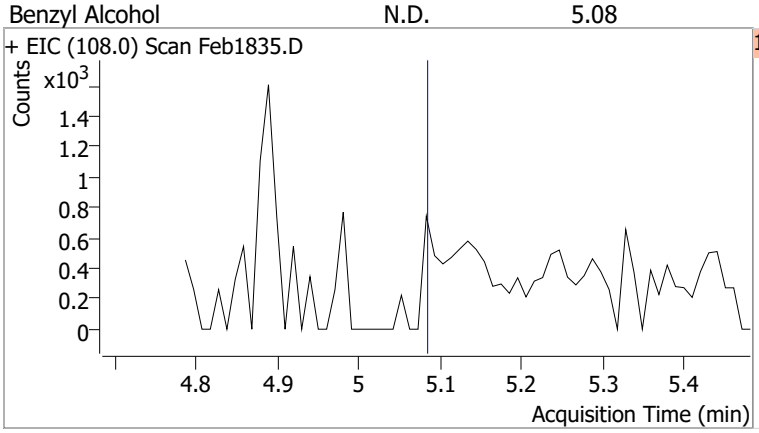


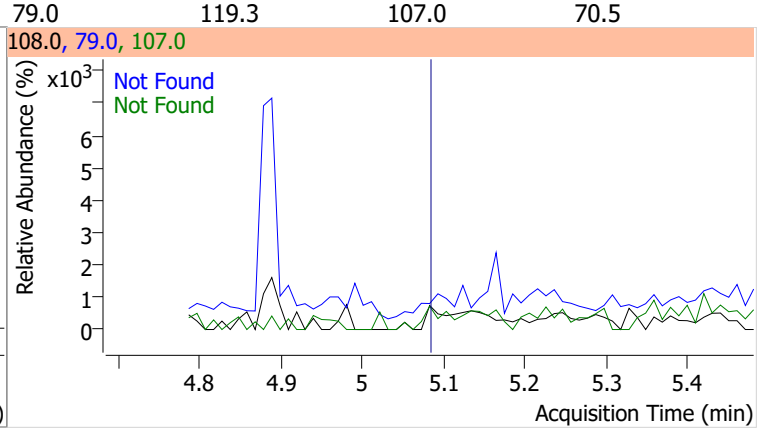
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



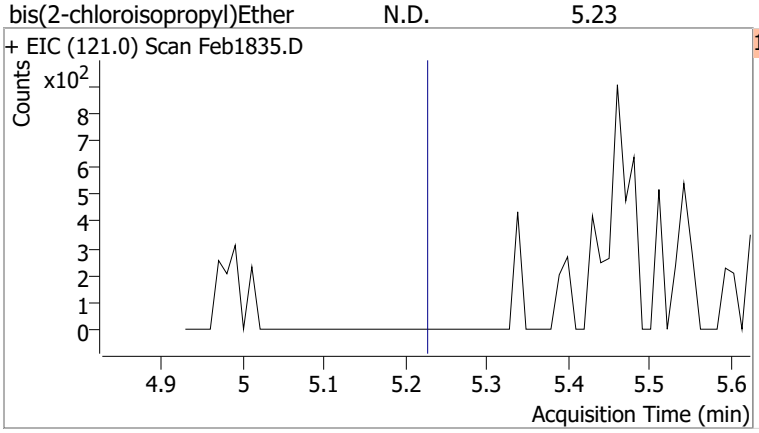


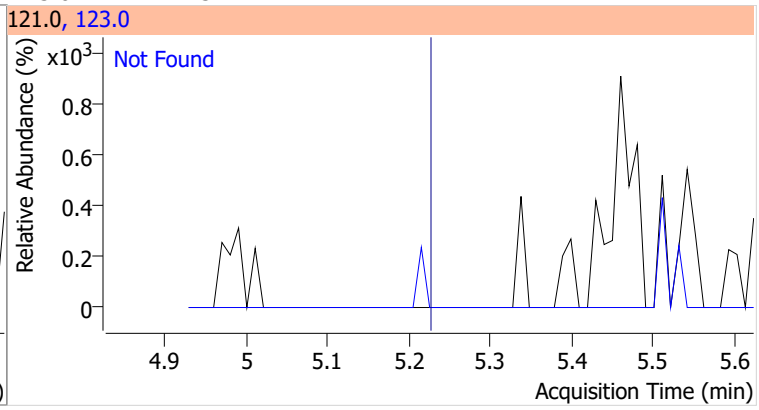
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



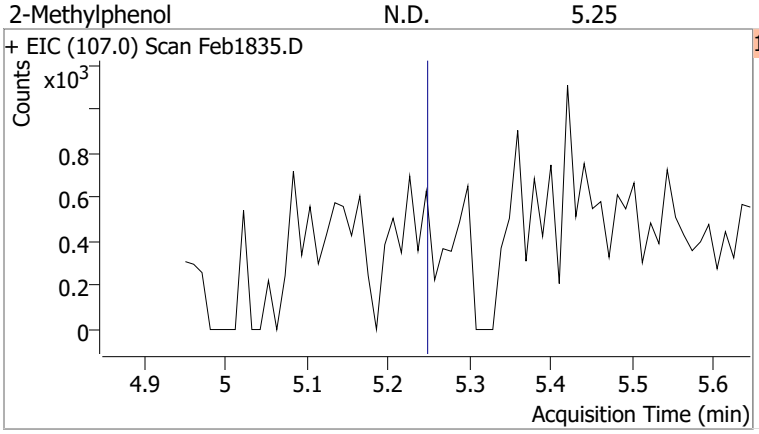


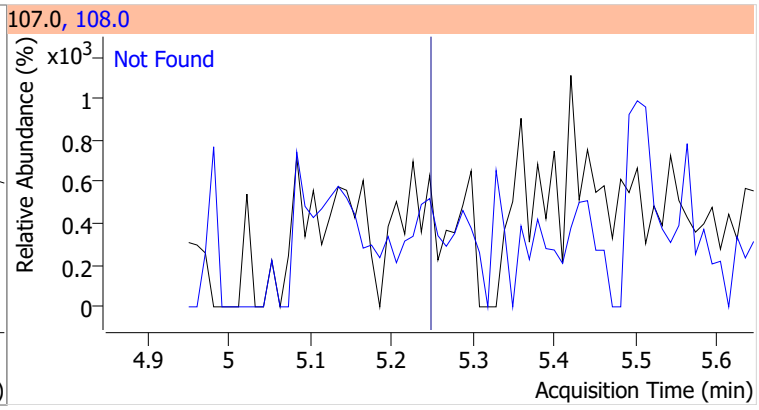
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



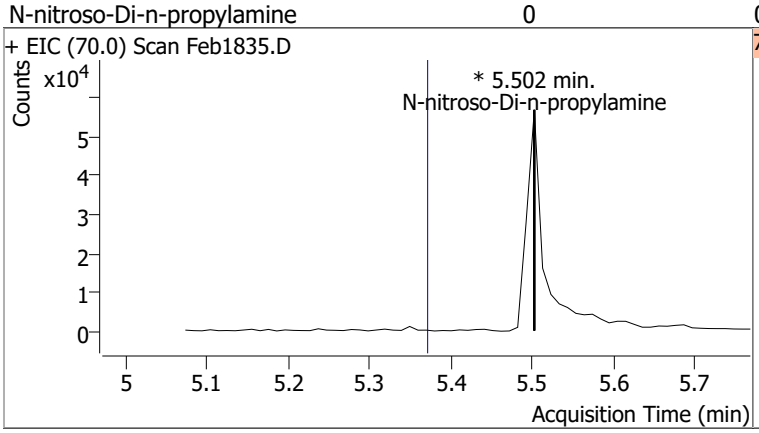


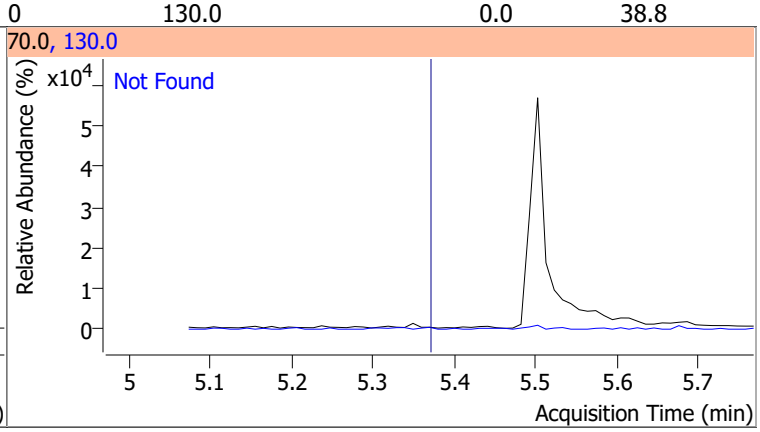
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



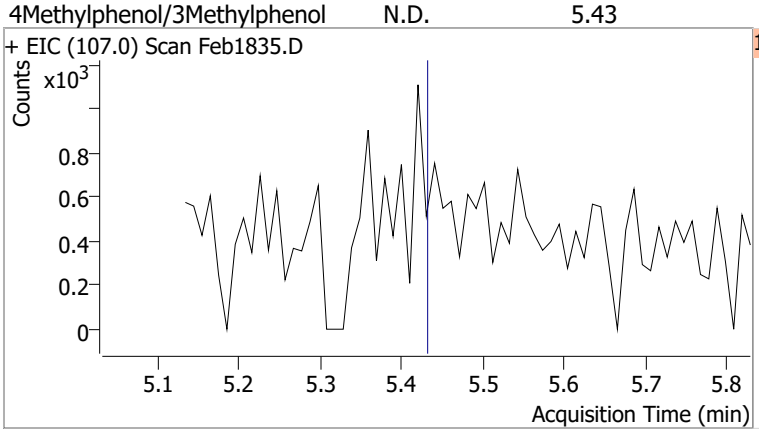


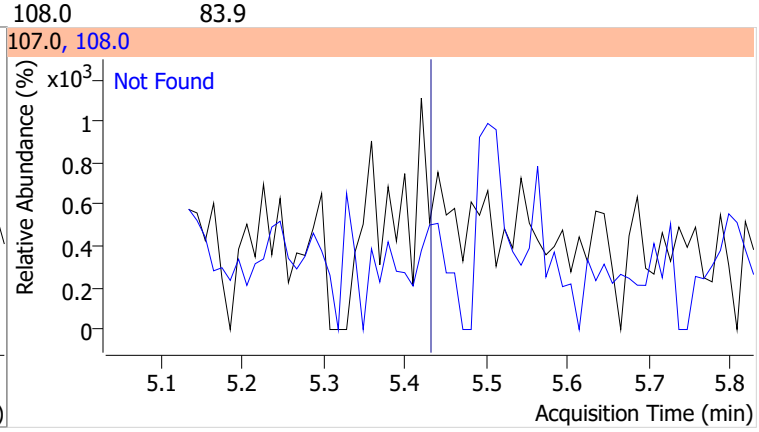
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



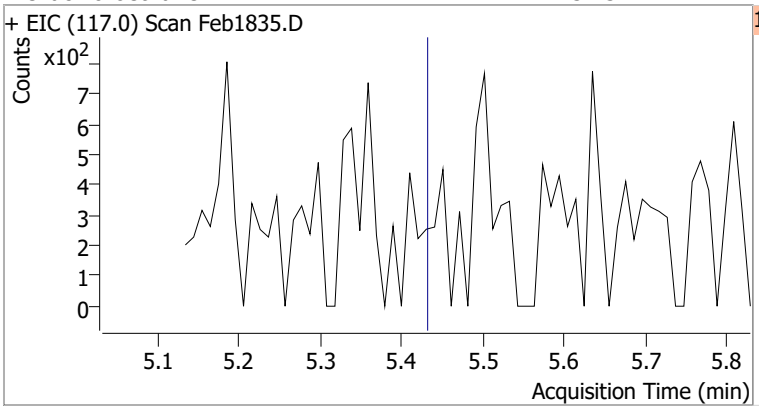


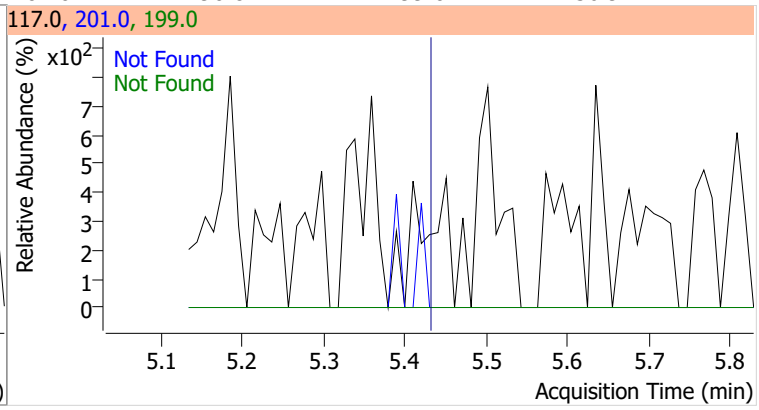
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



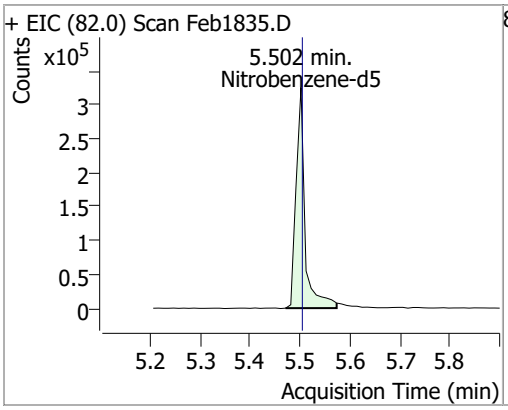


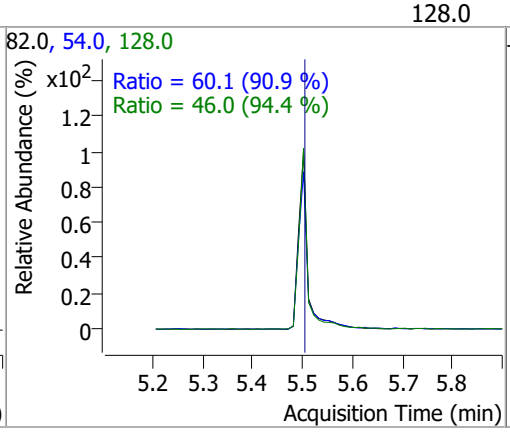
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

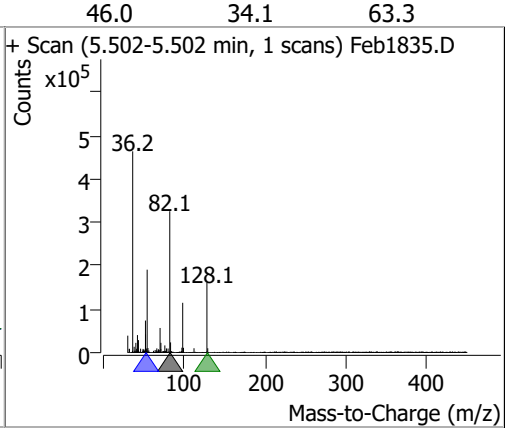




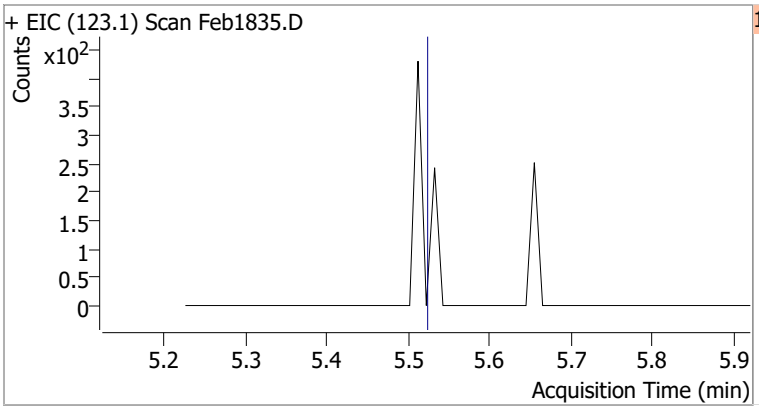
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	69.9973	5.50	0.00	402415	54.0	60.1	46.3	86.0
					128.0	46.0	34.1	63.3

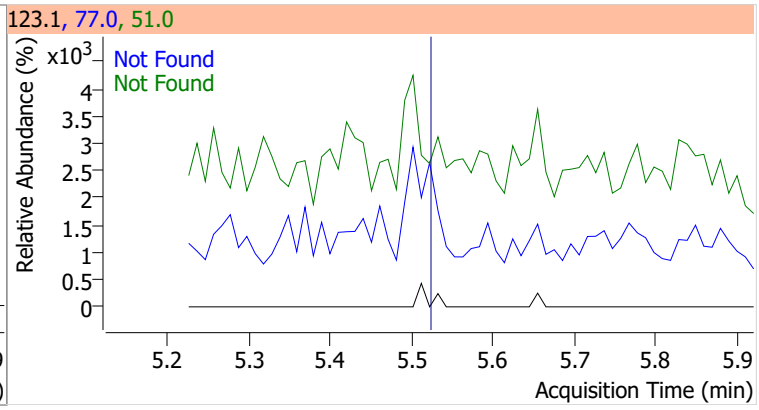




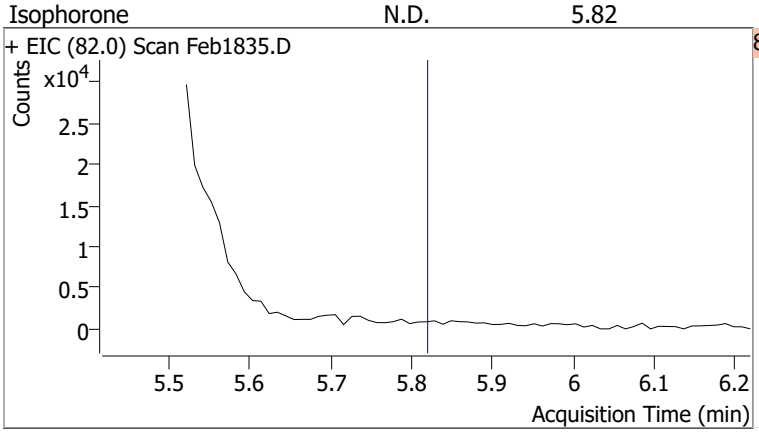


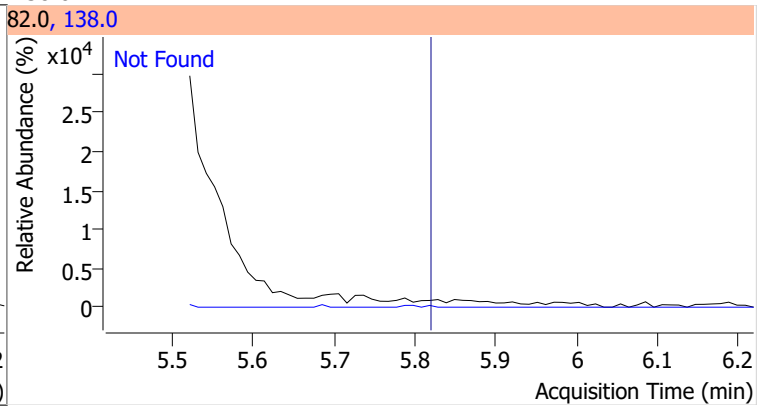
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



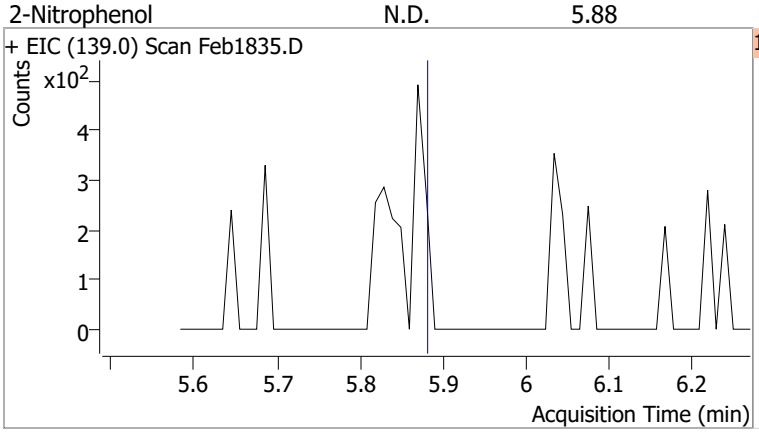


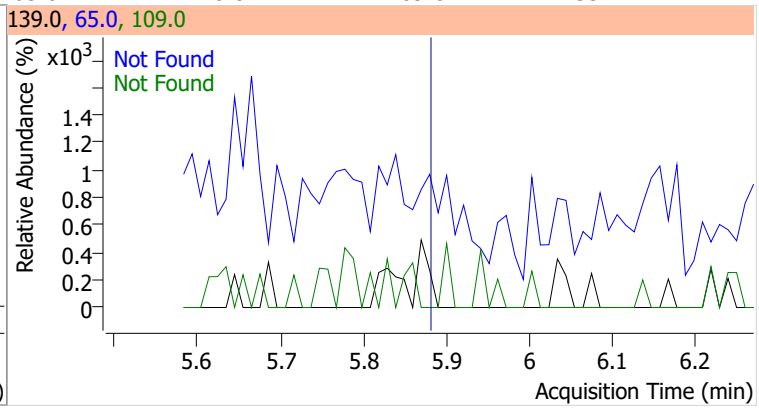
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



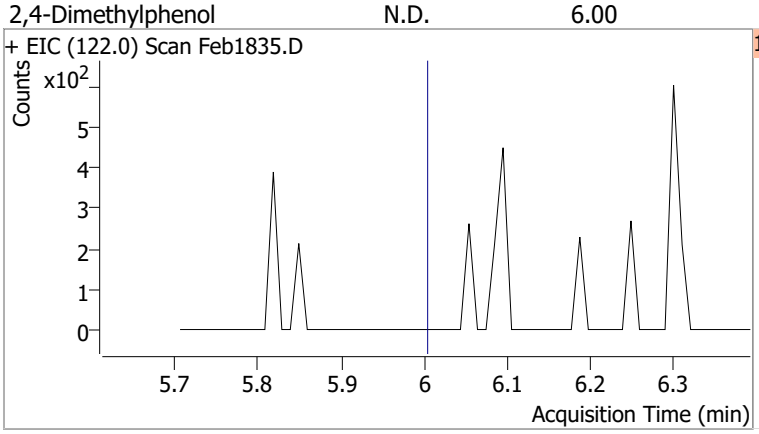


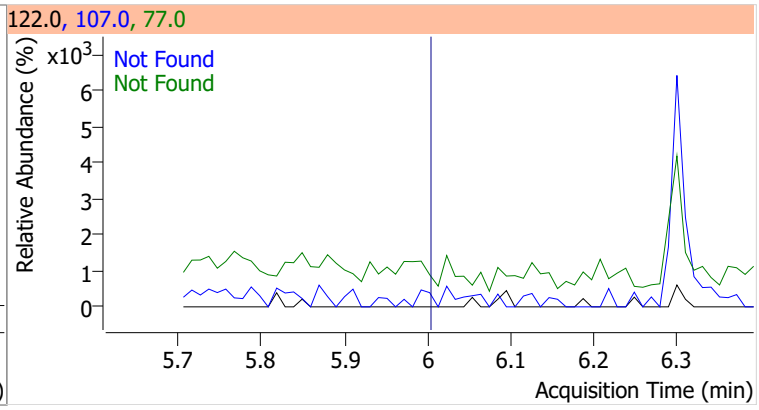
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



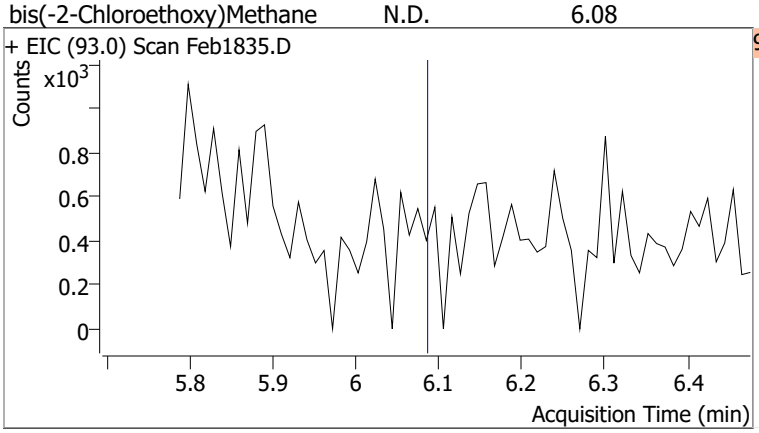


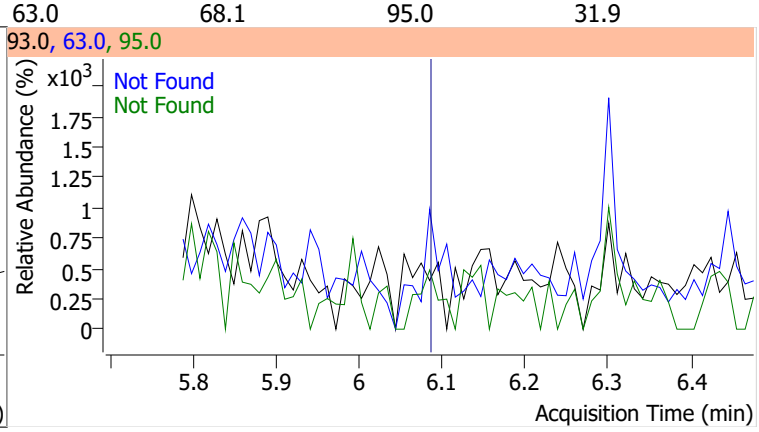
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



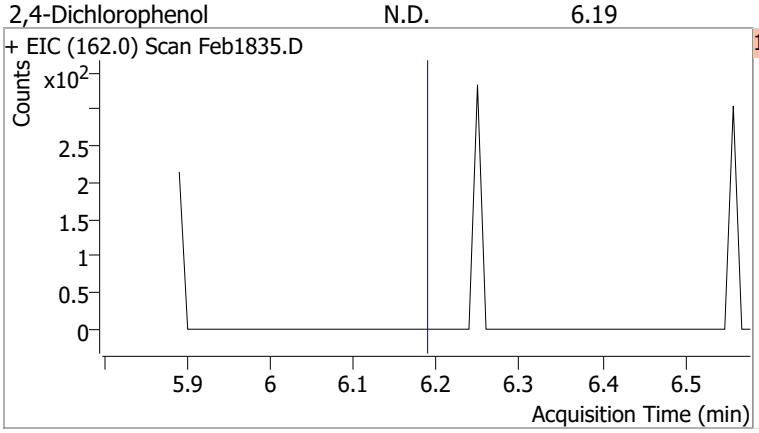


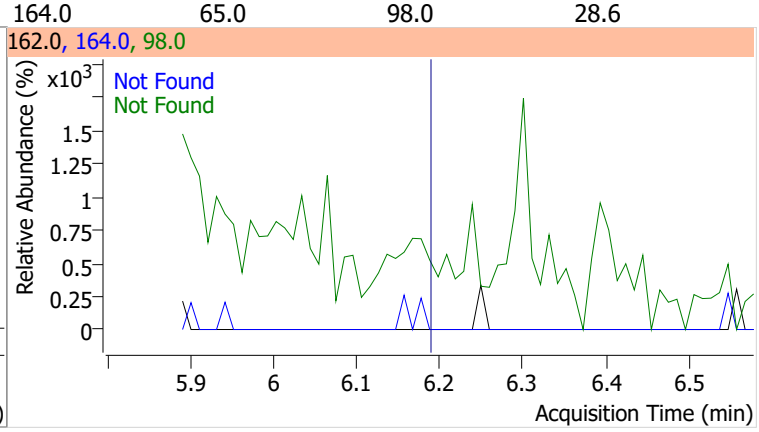
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



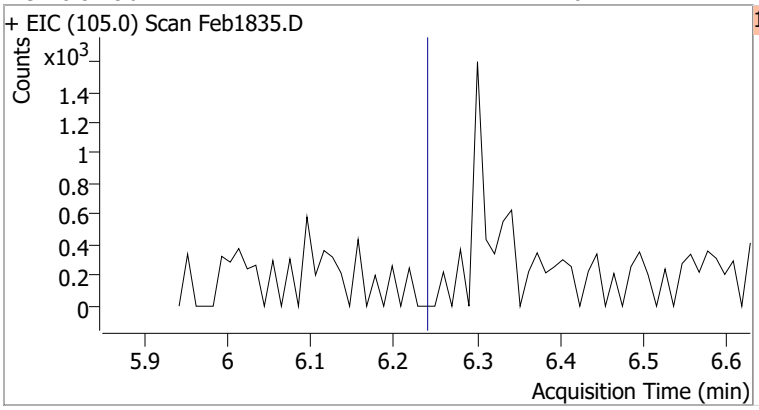


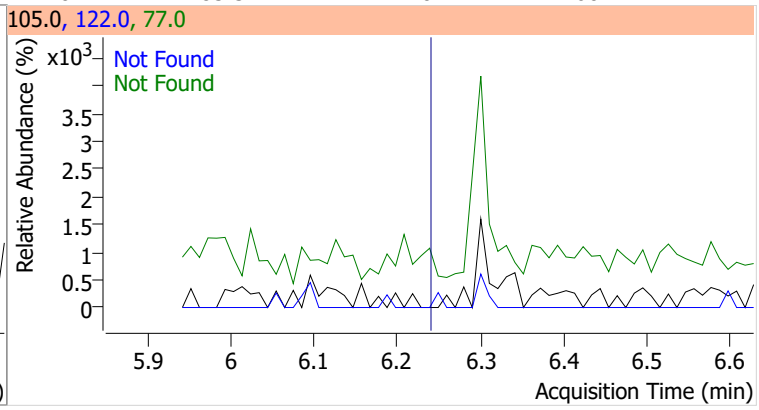
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



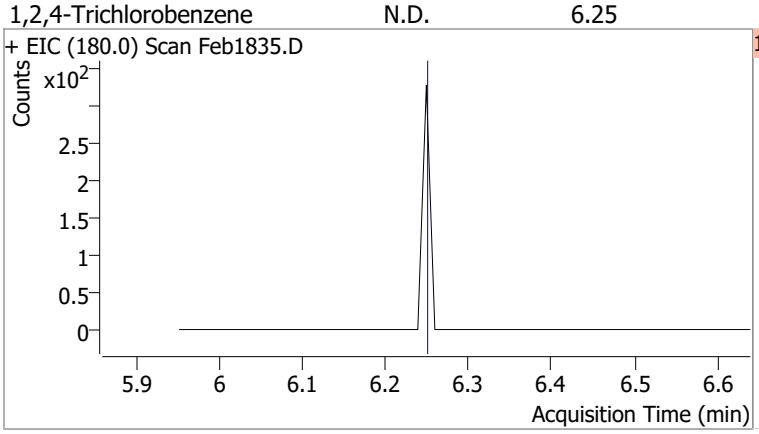


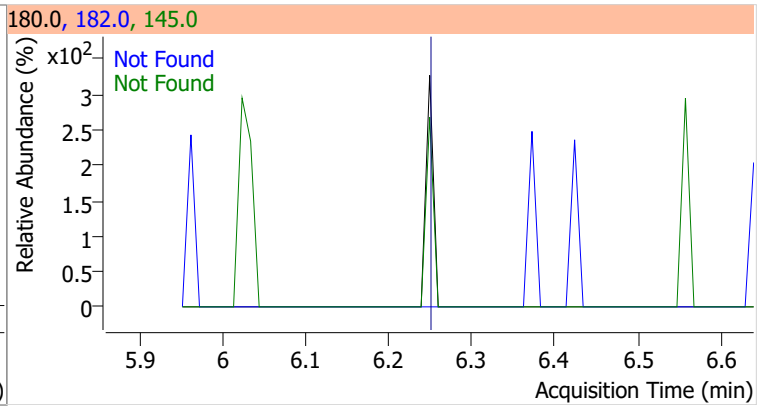
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



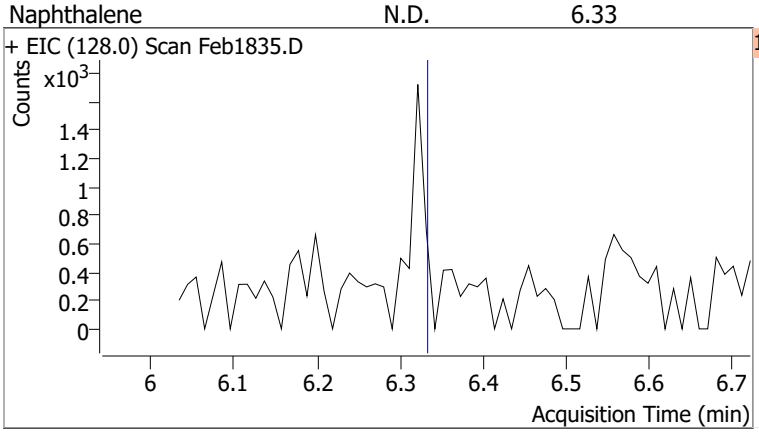


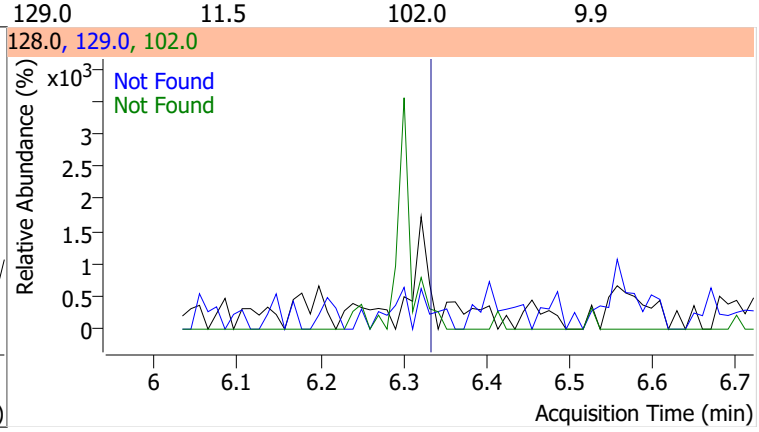
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



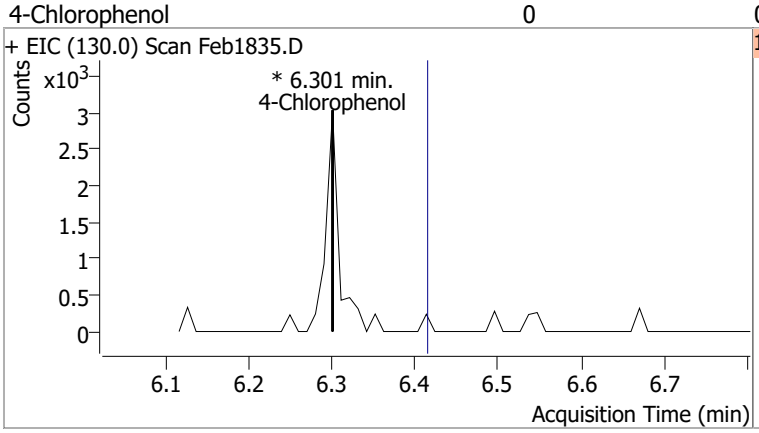


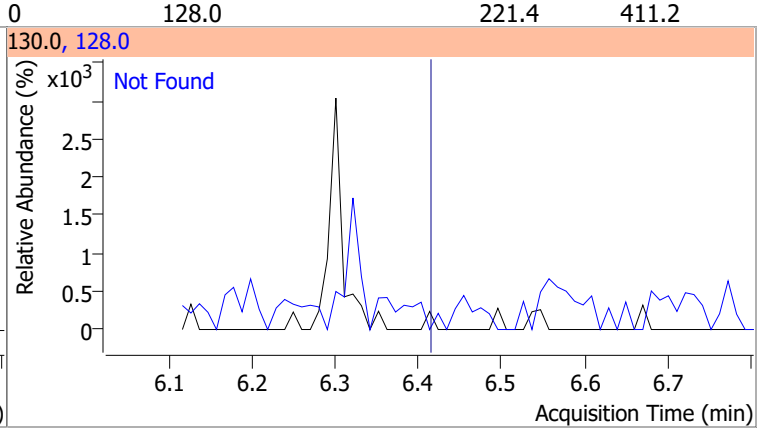
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



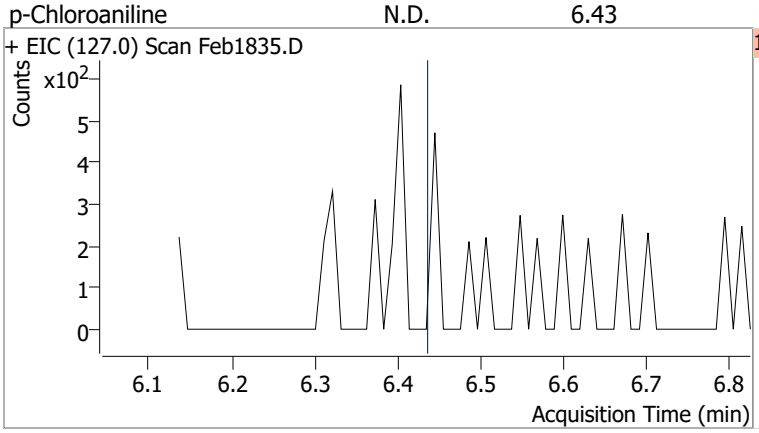


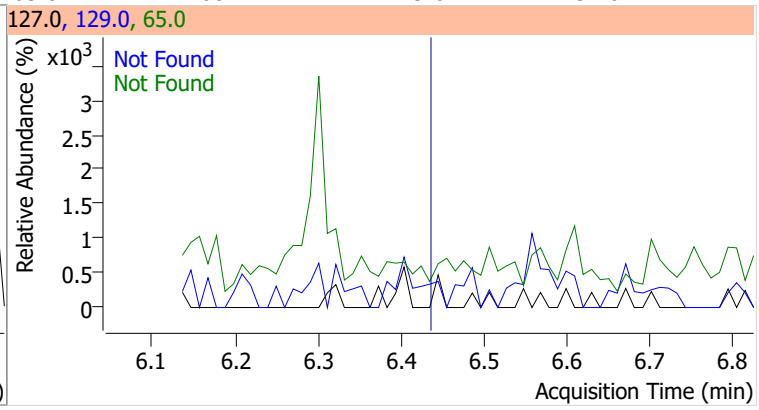
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol		0		0	128.0		221.4	411.2



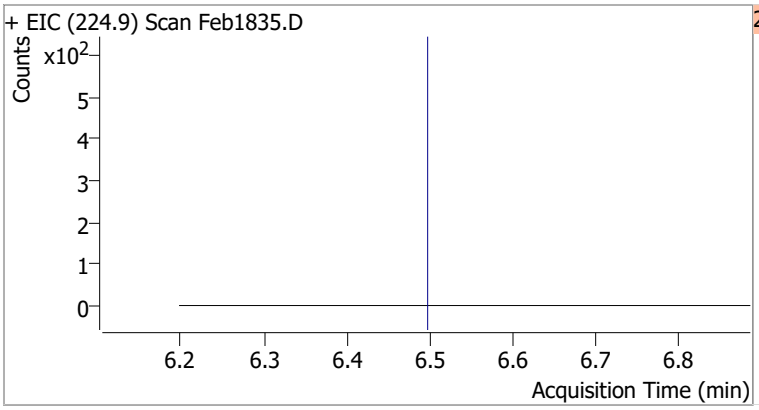


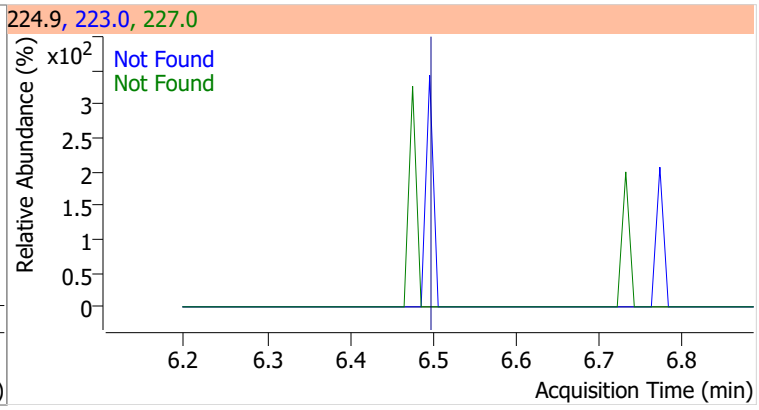
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



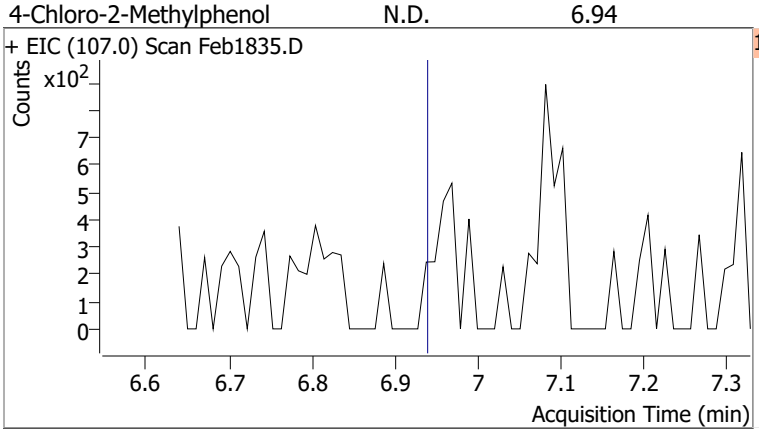


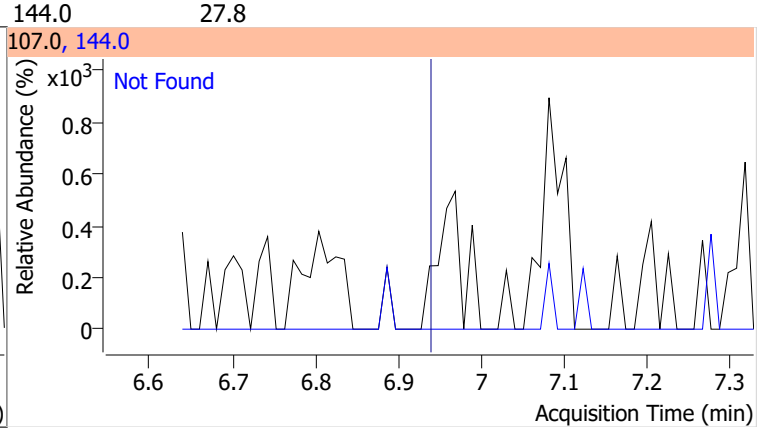
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



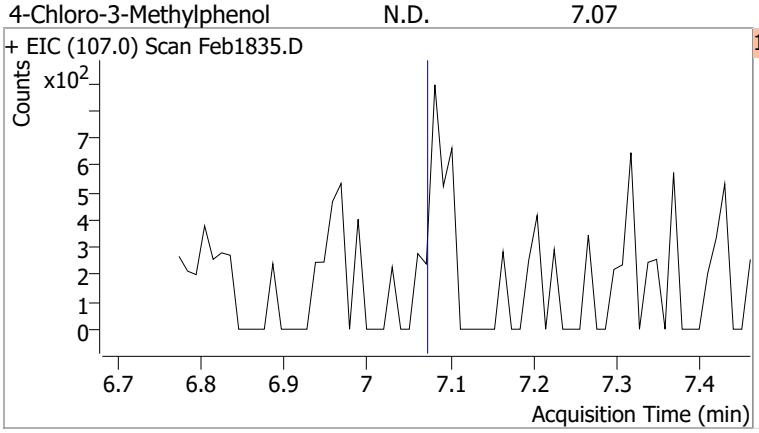


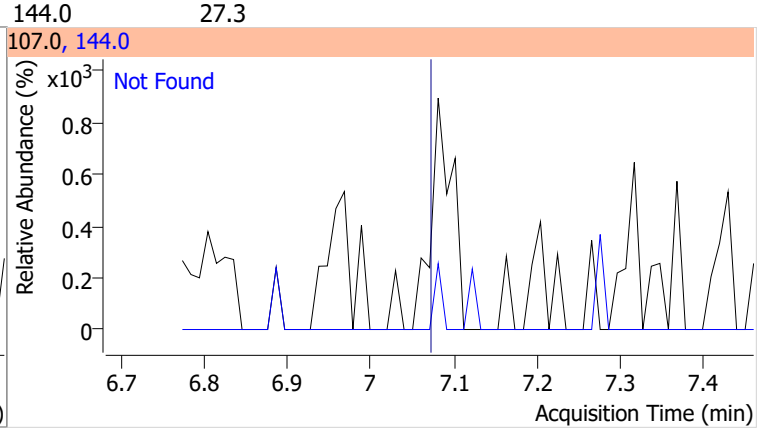
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



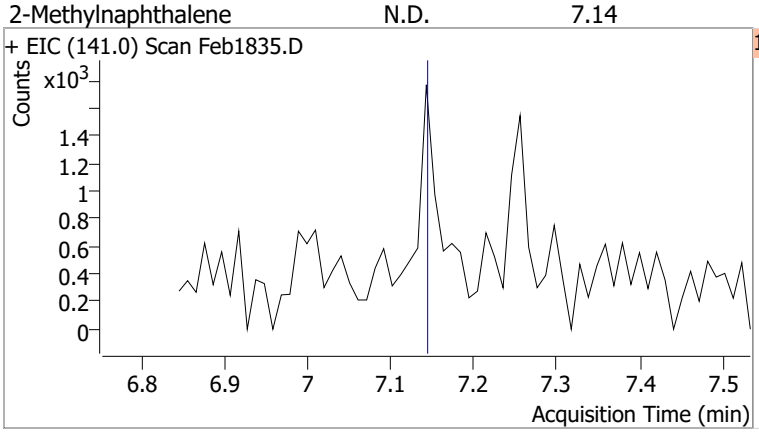


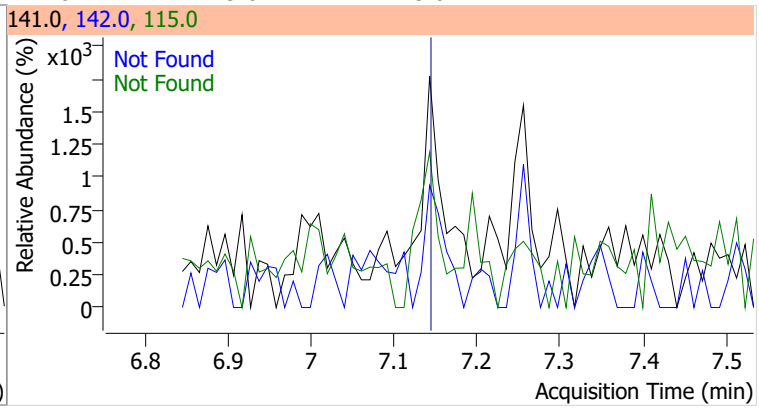
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



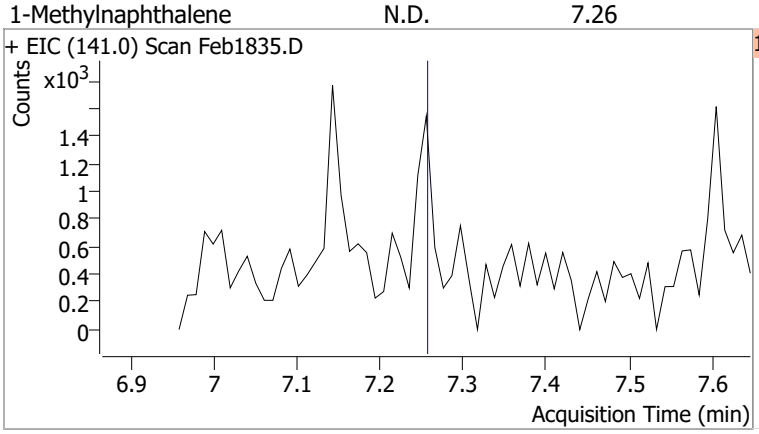


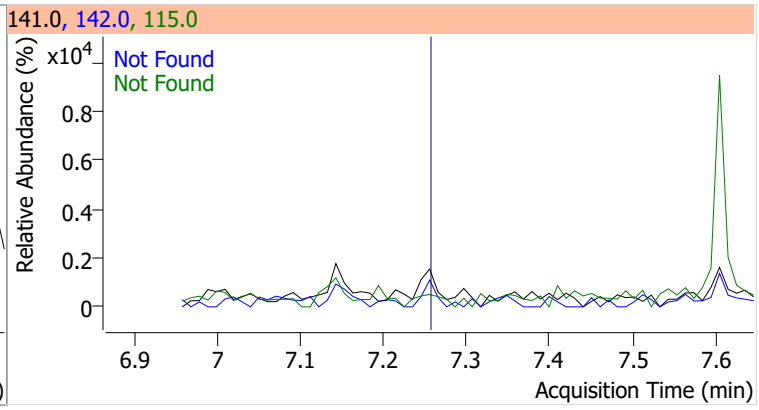
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



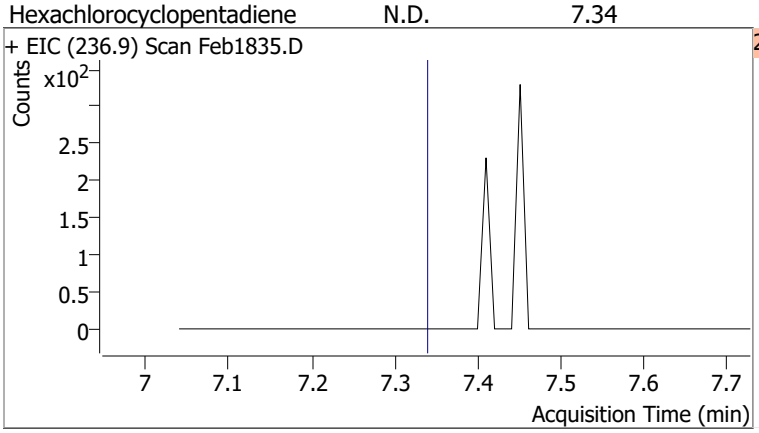


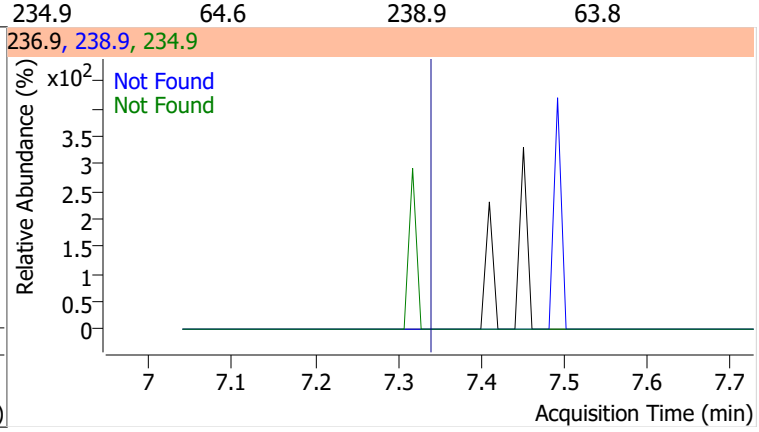
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



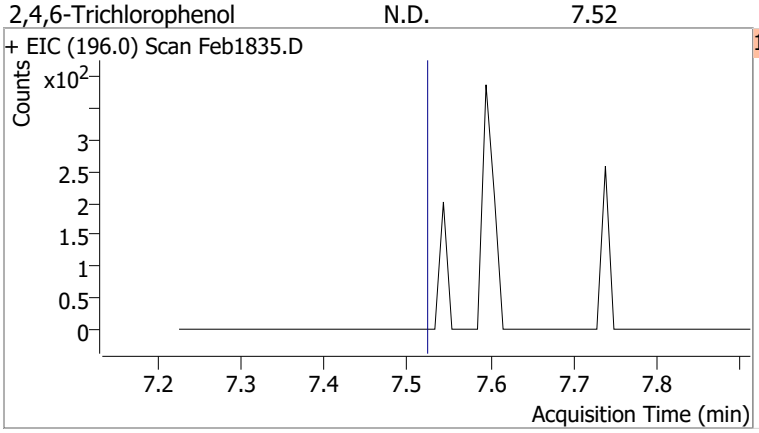


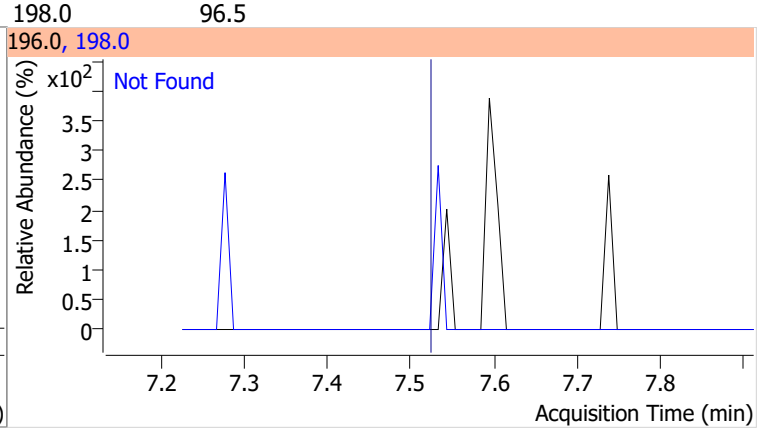
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



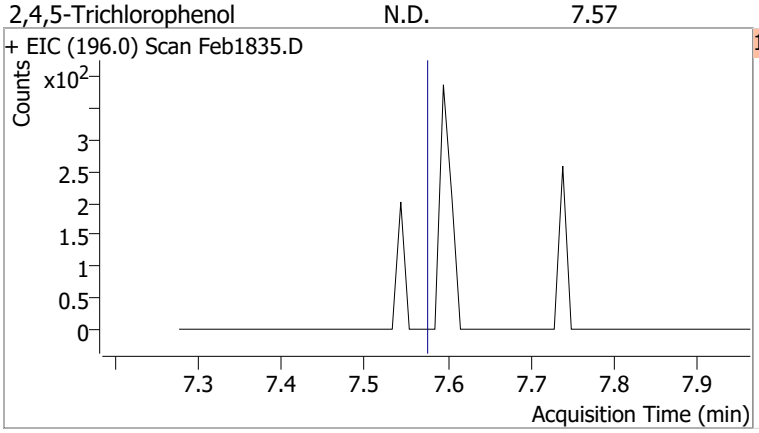


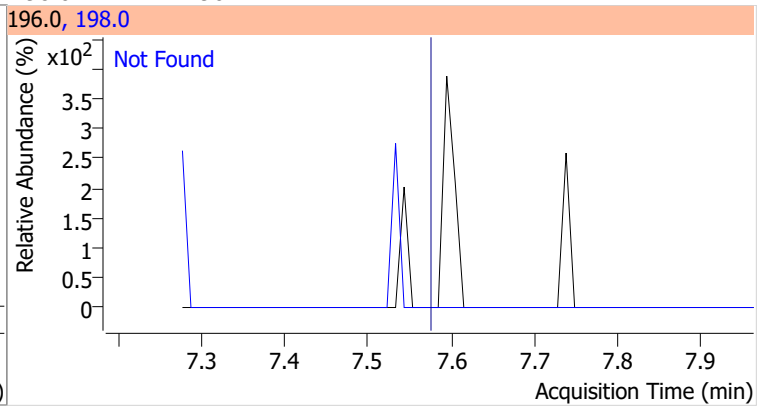
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



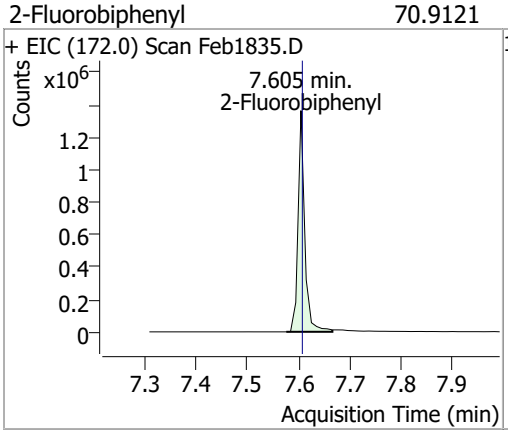


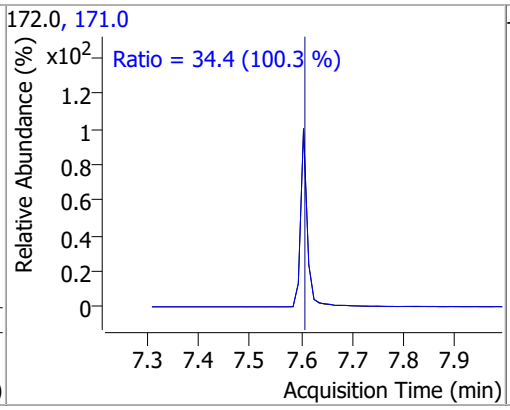
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

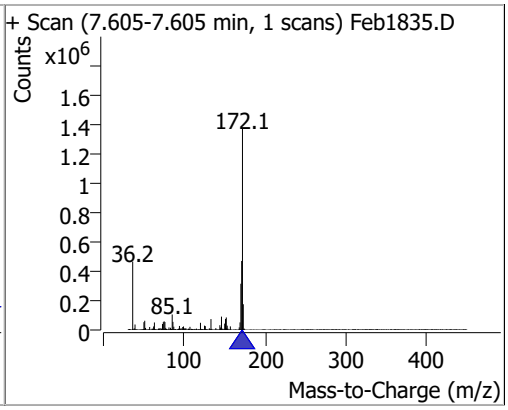




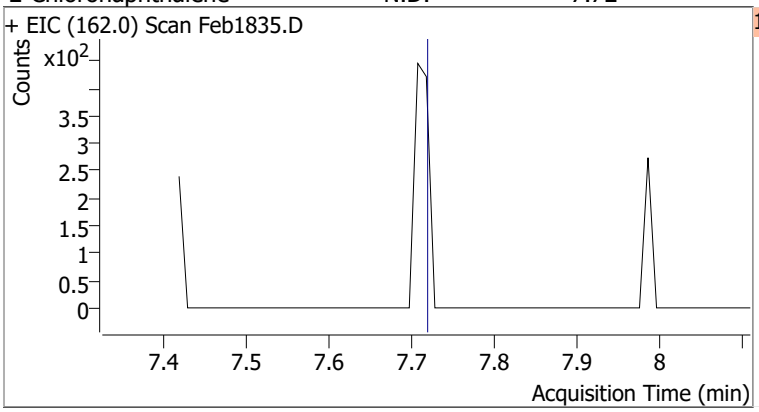
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	70.9121	7.60	0.00	1232821	171.0	34.4	24.0	44.5

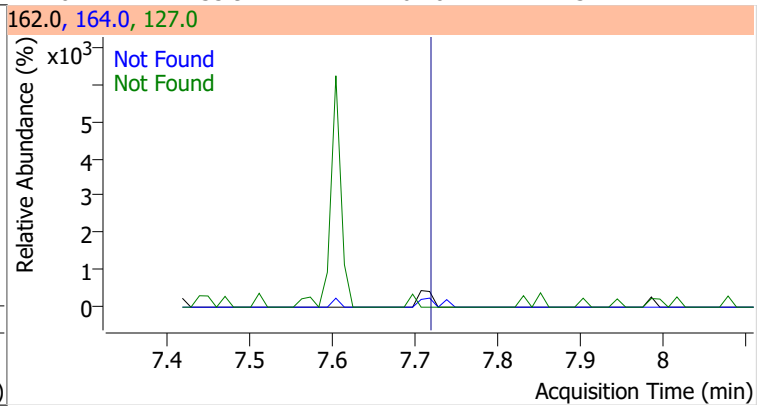




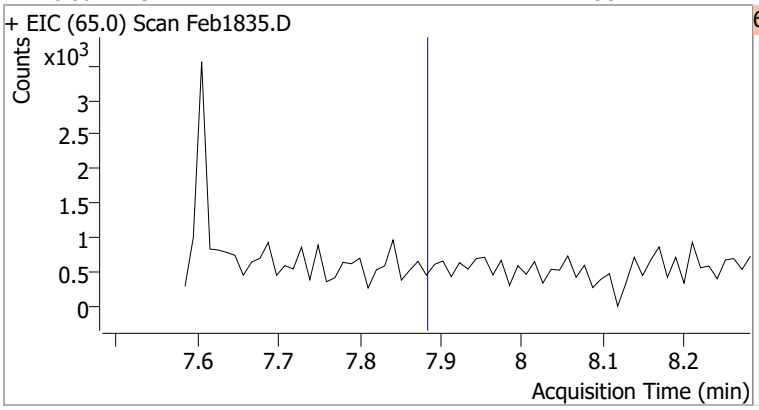


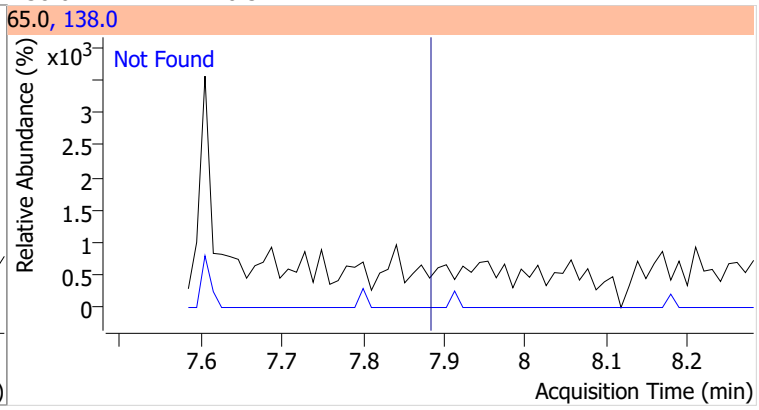
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



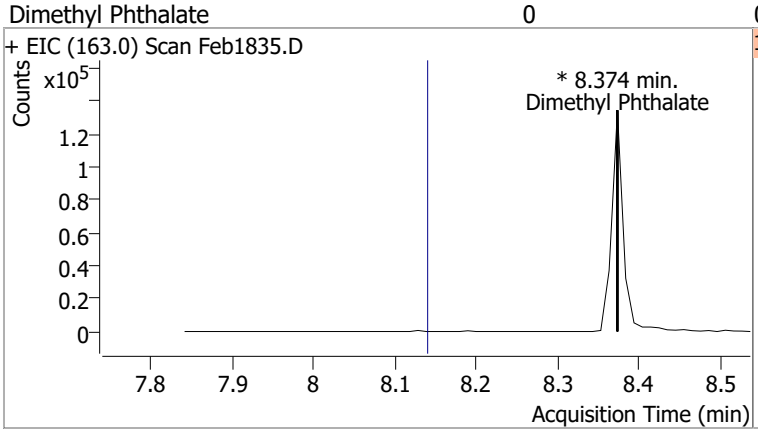


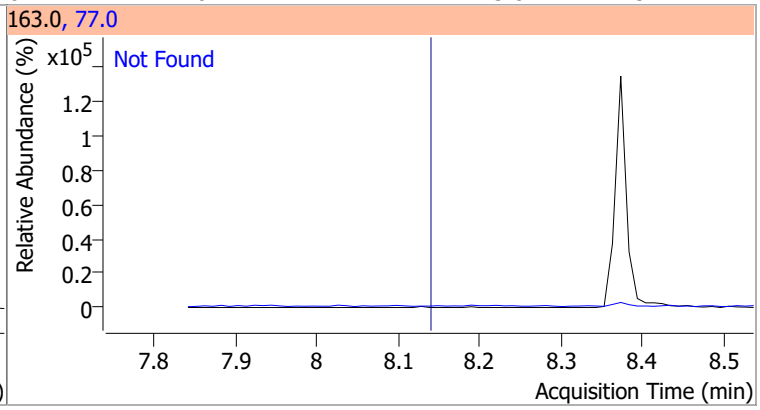
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



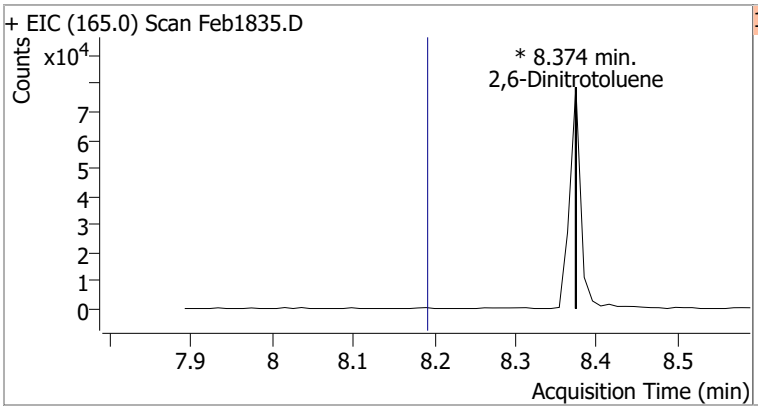


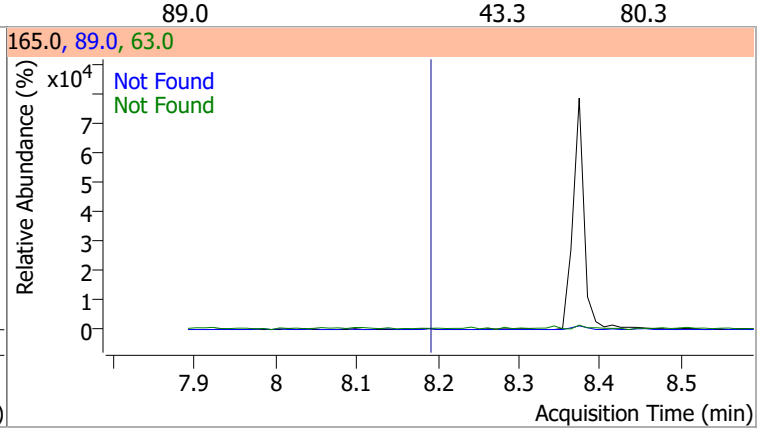
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



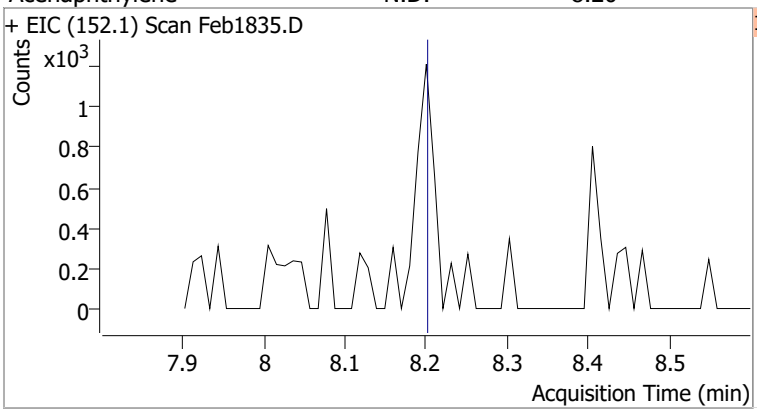


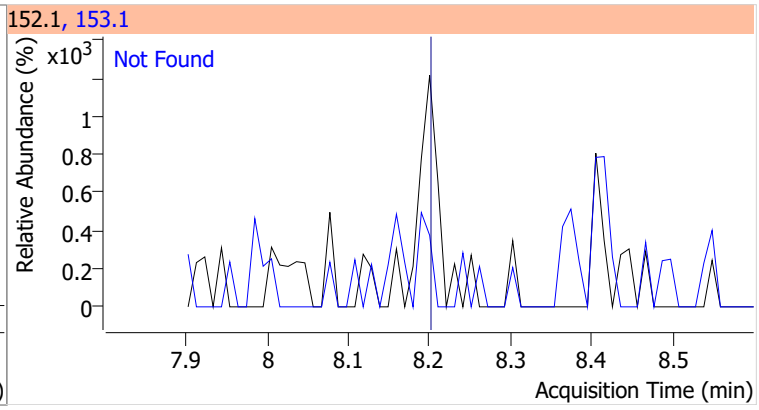
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



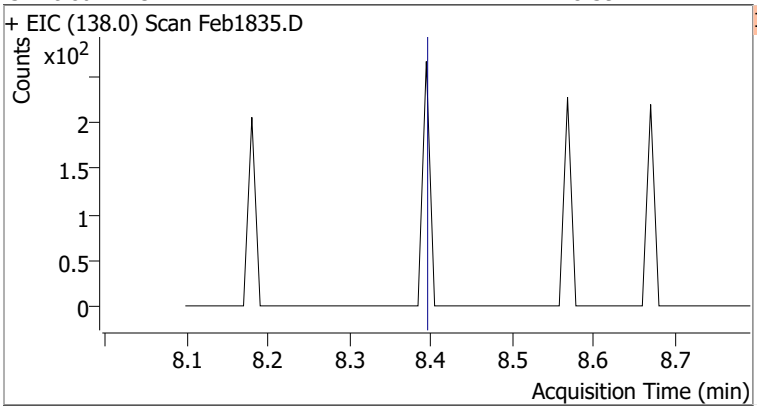


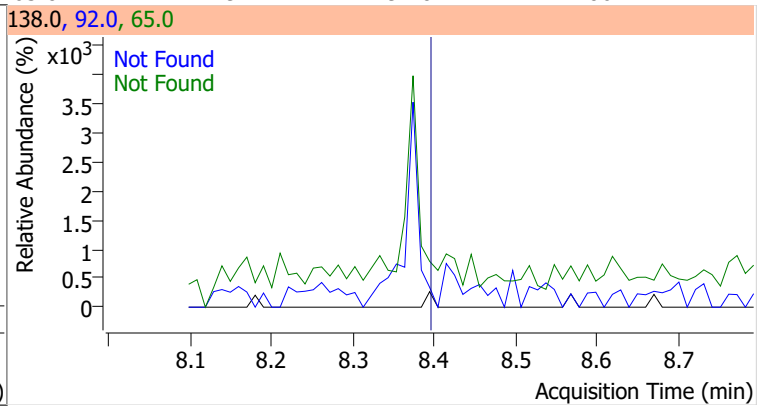
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



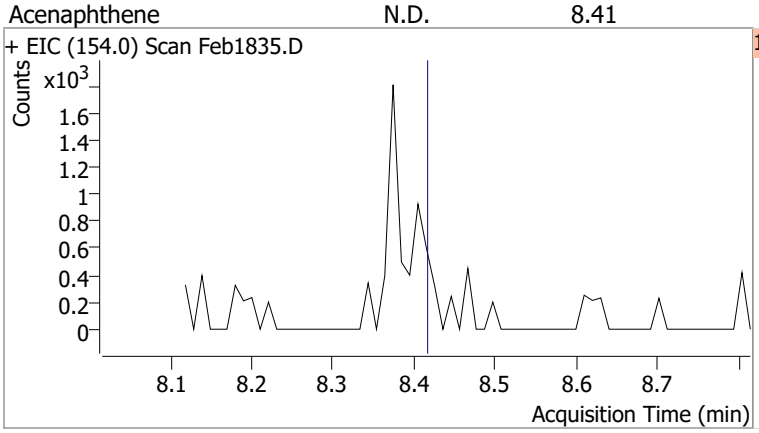


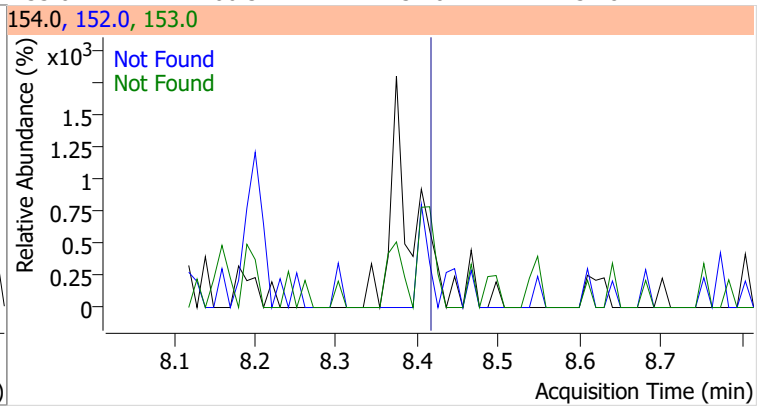
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



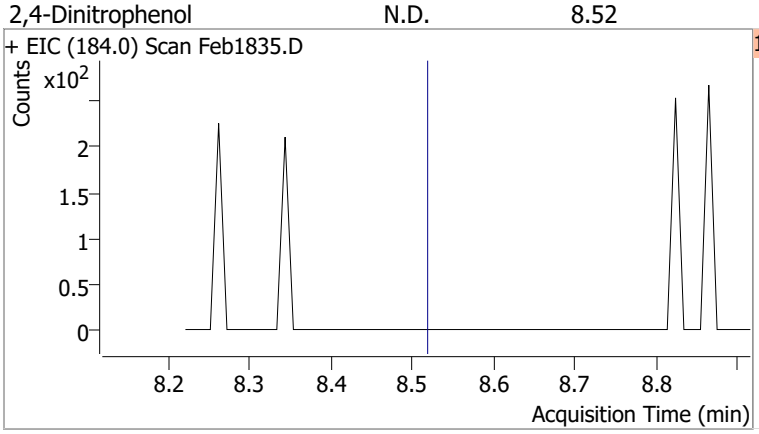


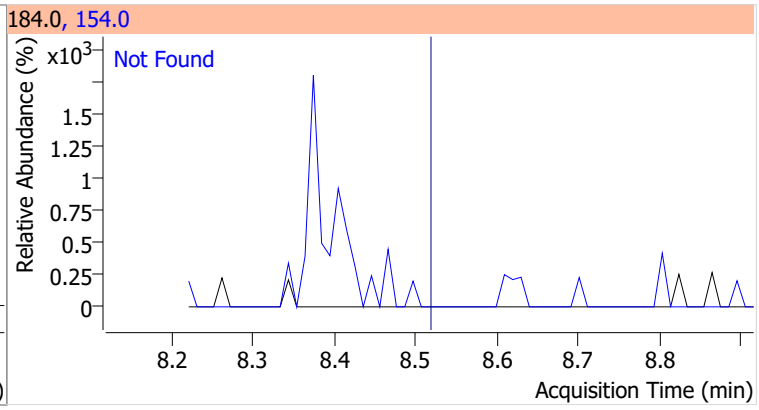
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



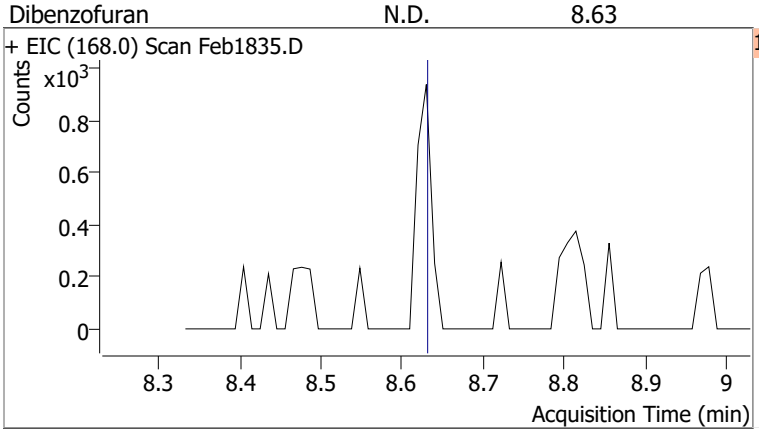


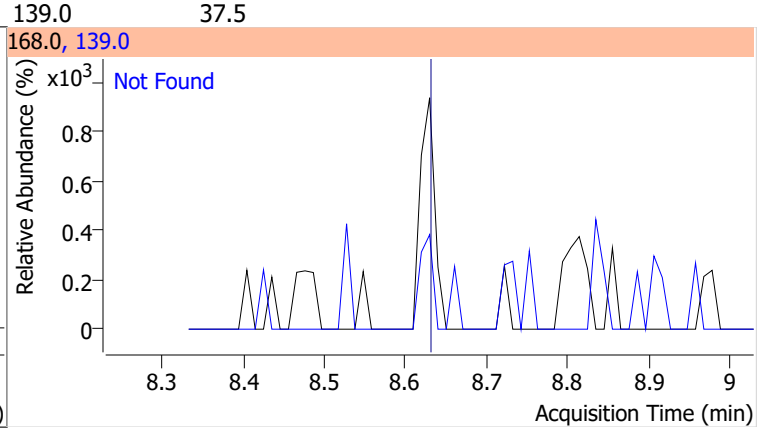
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



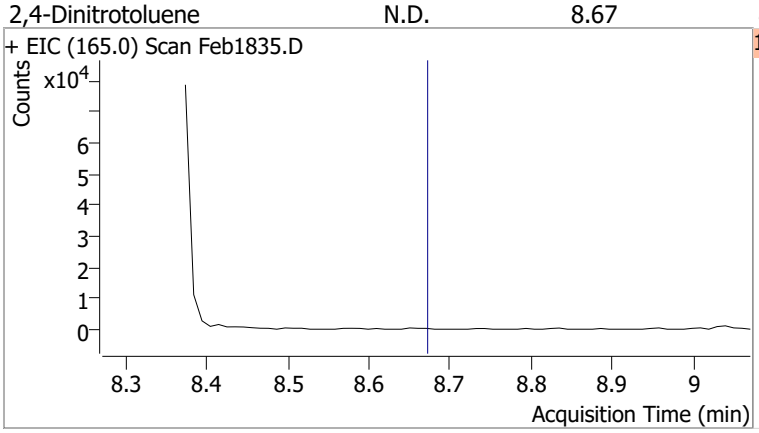


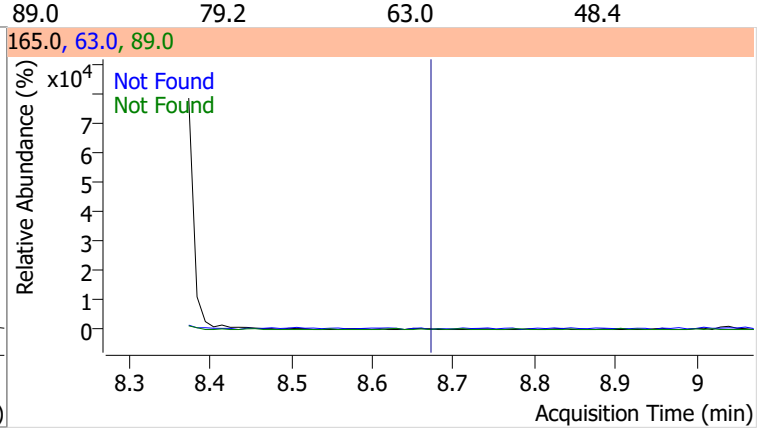
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



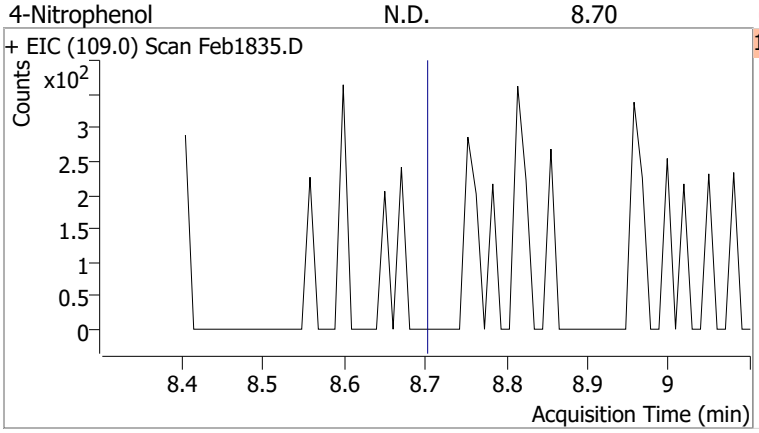


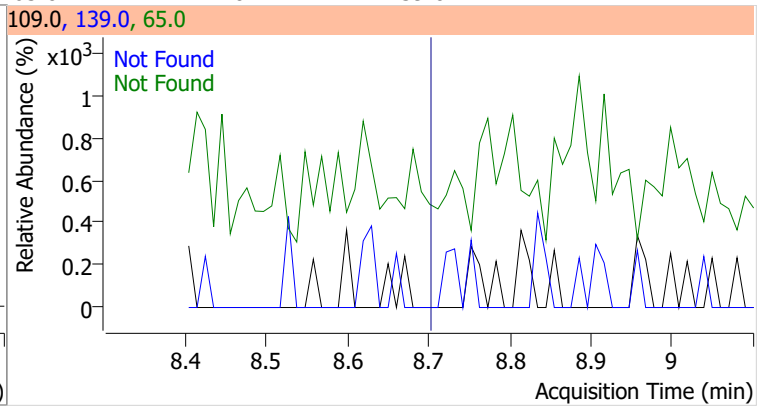
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



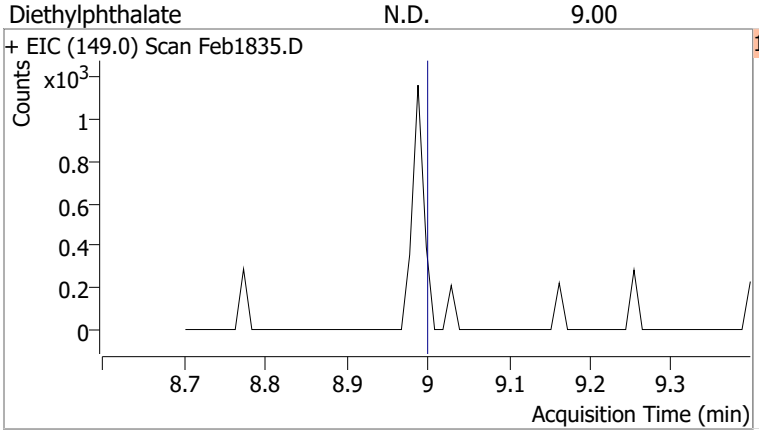


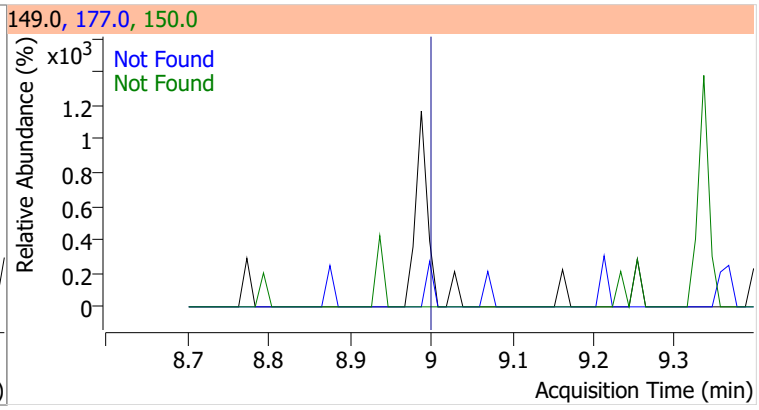
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



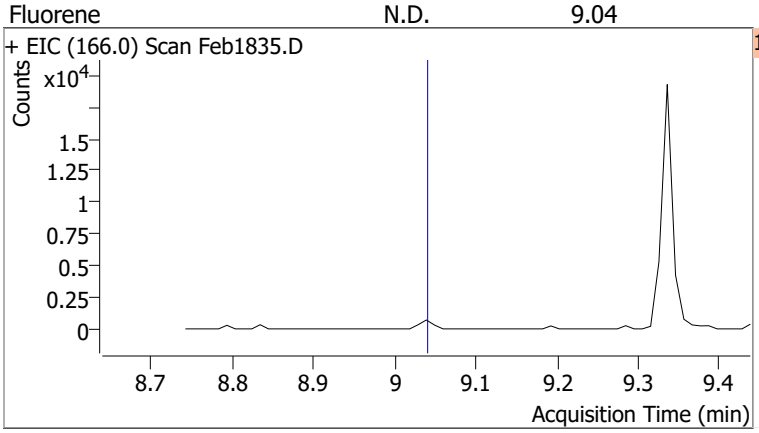


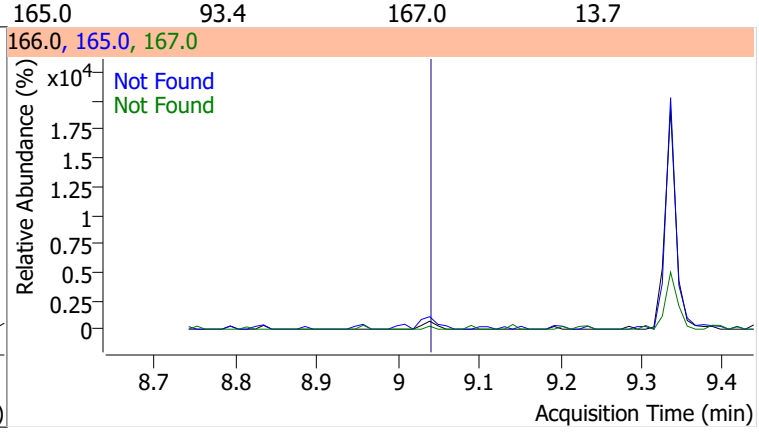
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



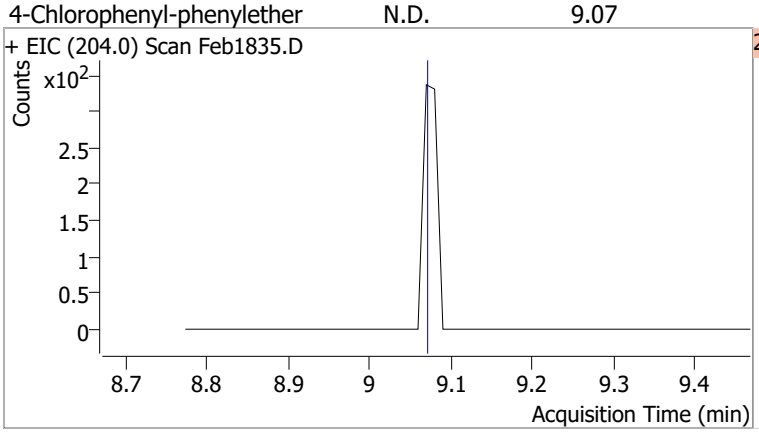


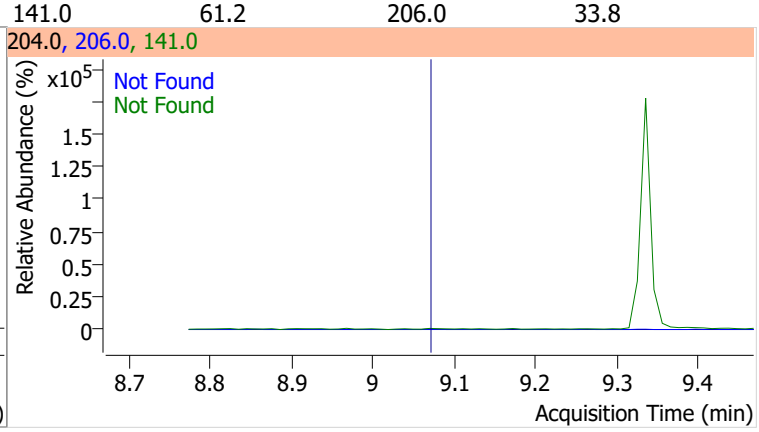
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



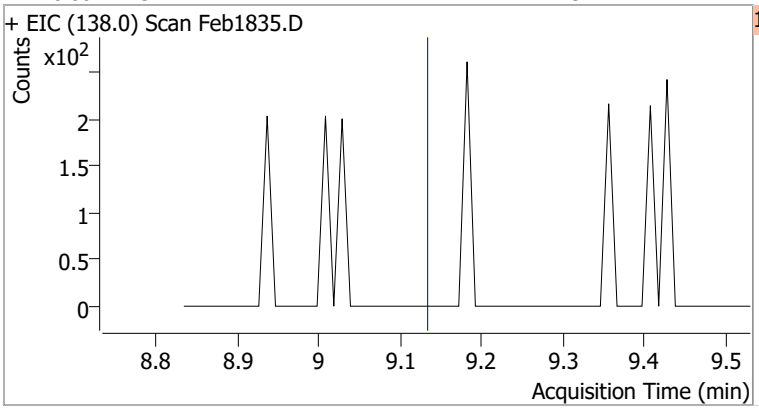


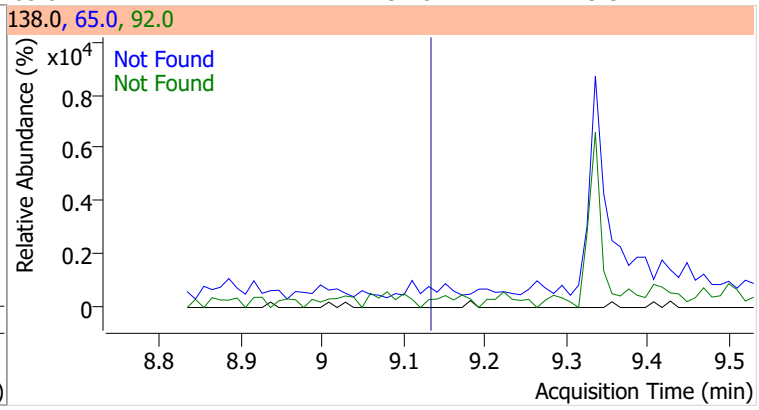
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



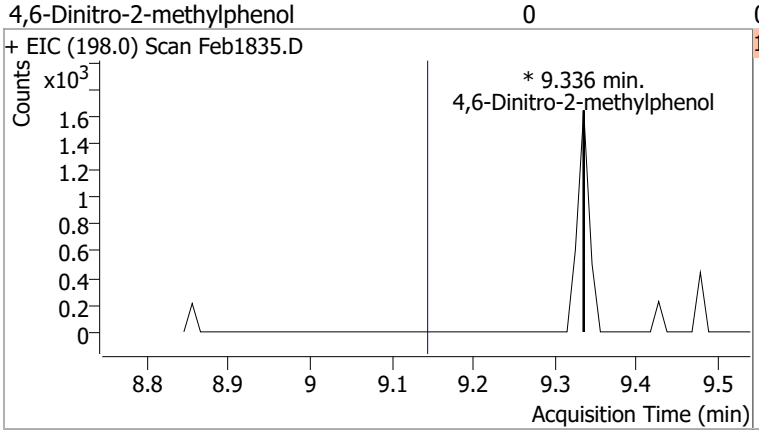


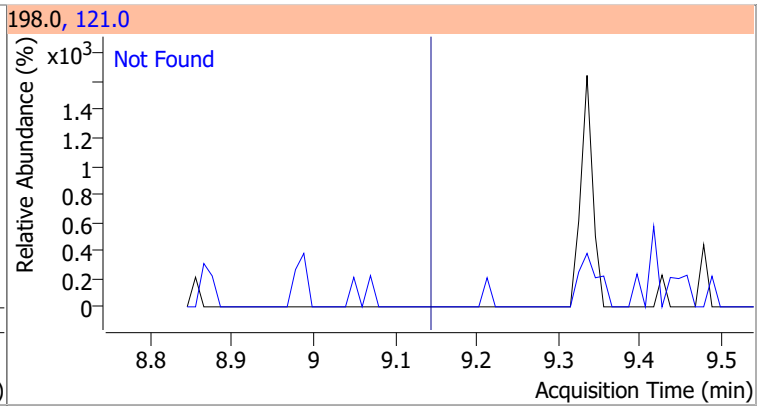
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



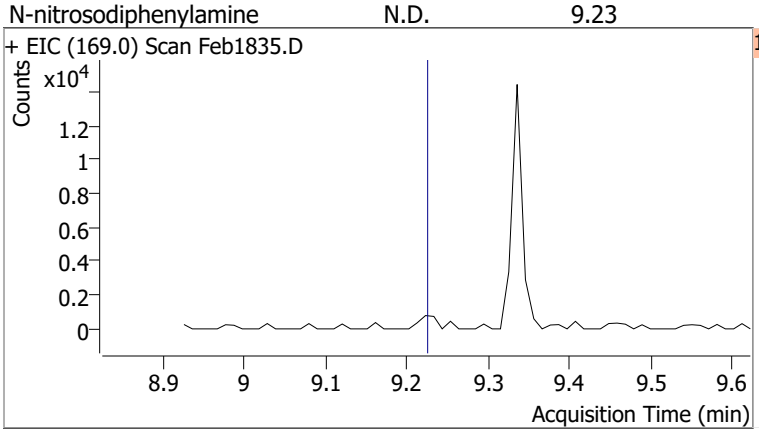


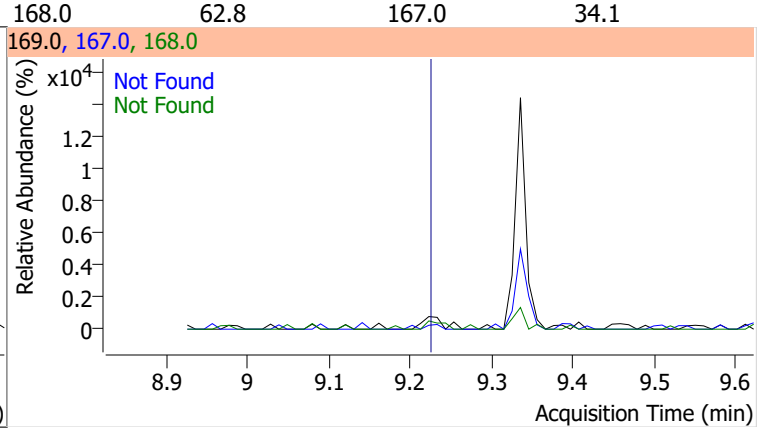
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



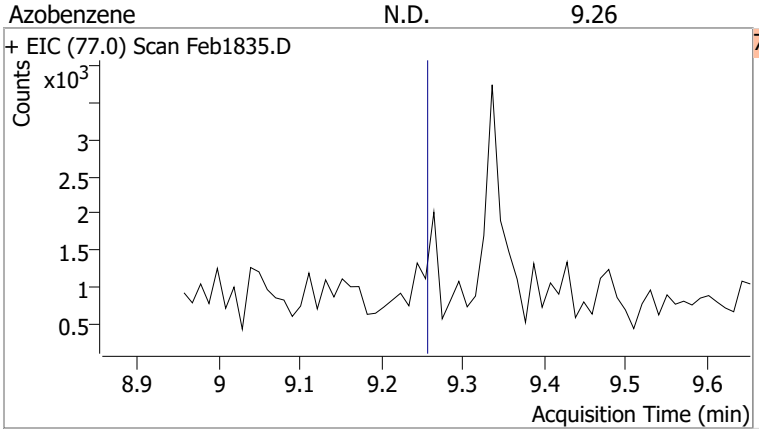


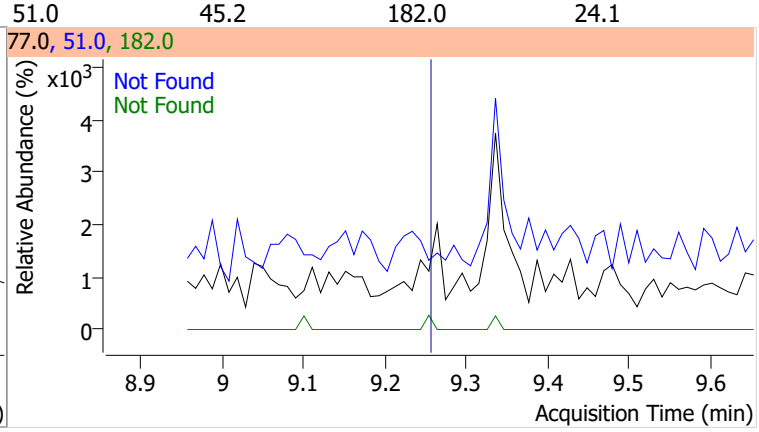
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



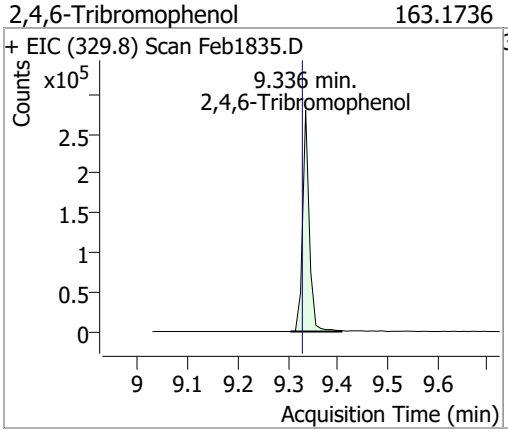


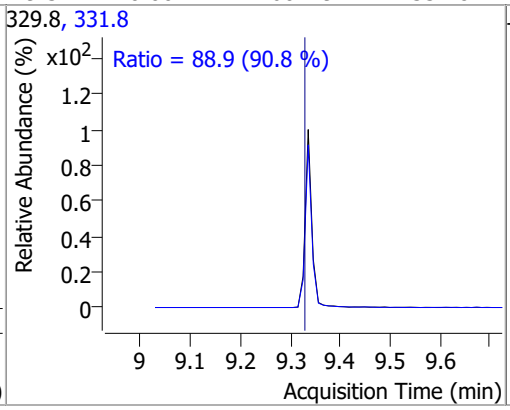
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

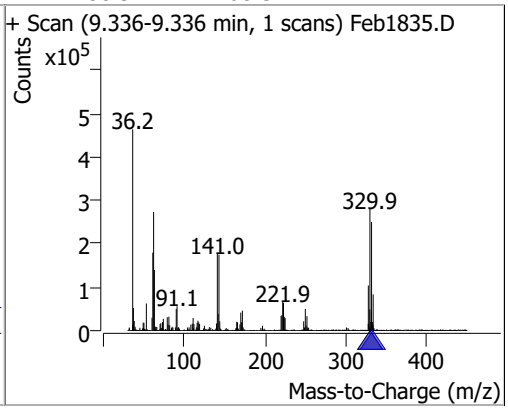




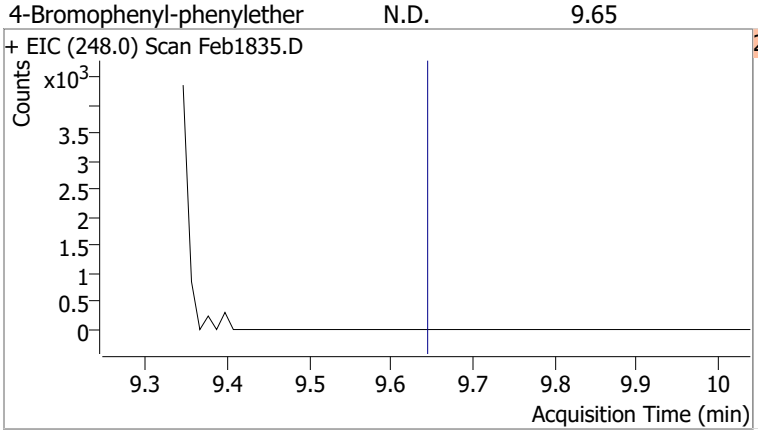
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	163.1736	9.34	0.00	260449	331.8	88.9	68.5	127.2

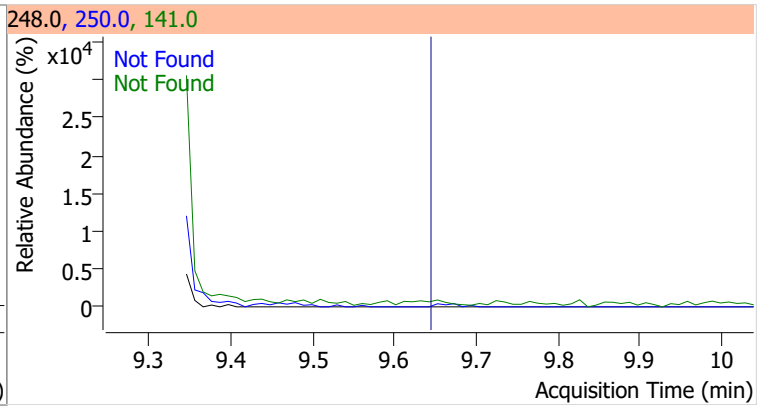




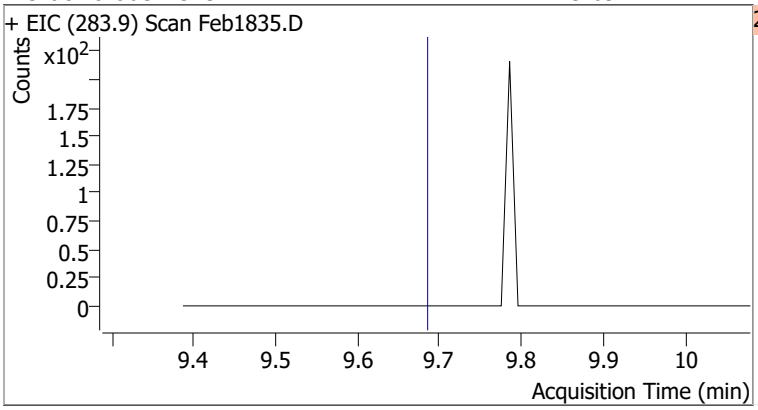


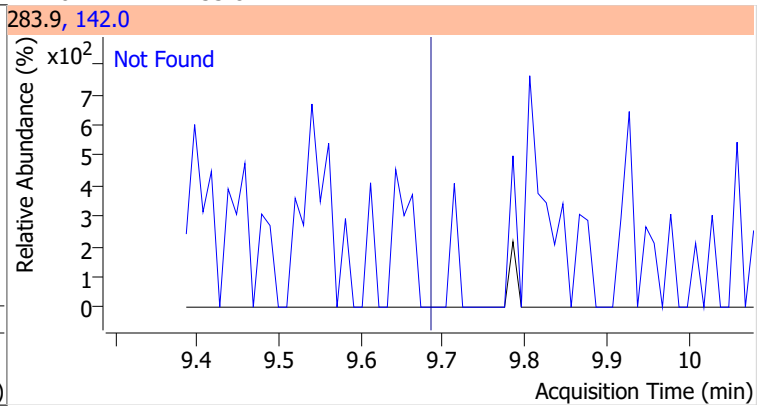
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



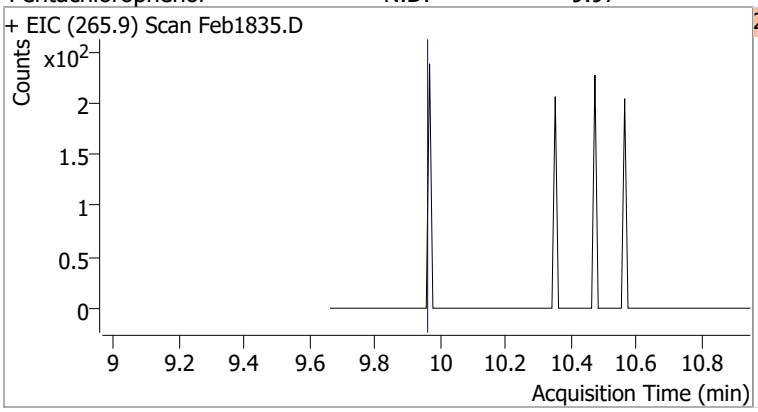


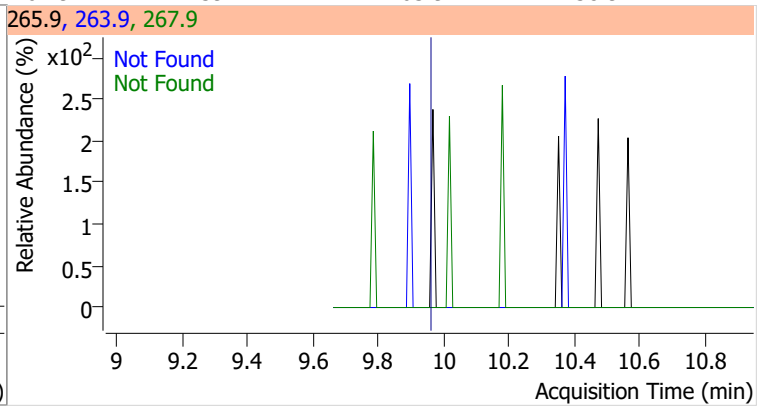
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



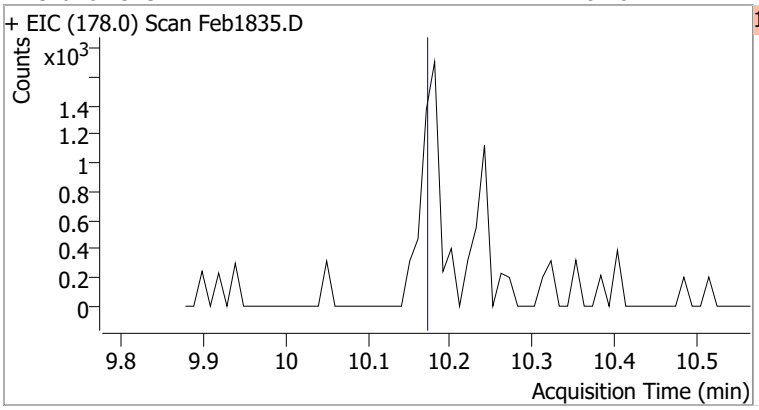


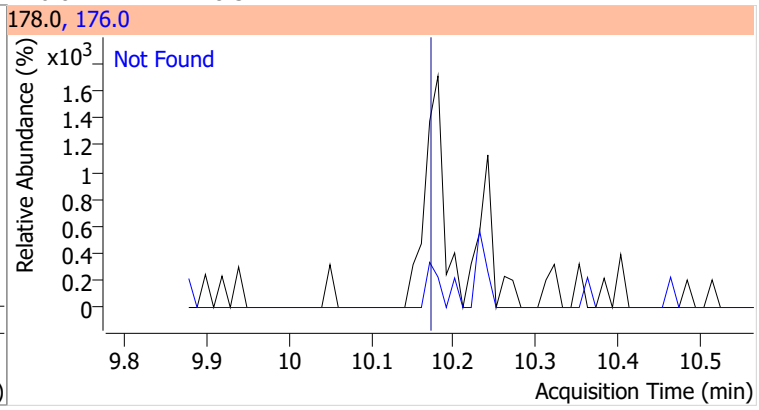
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



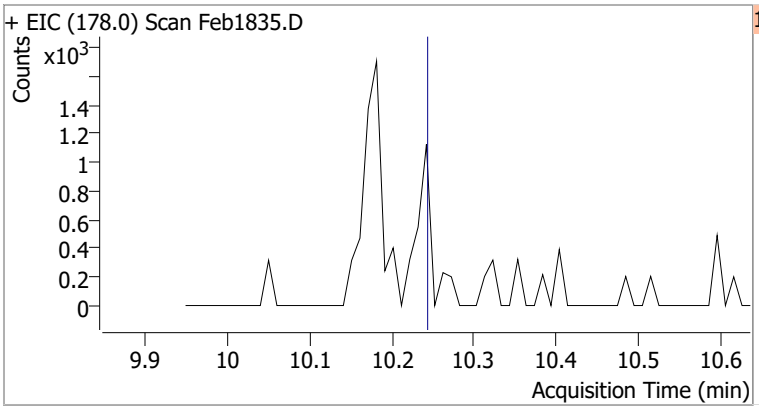


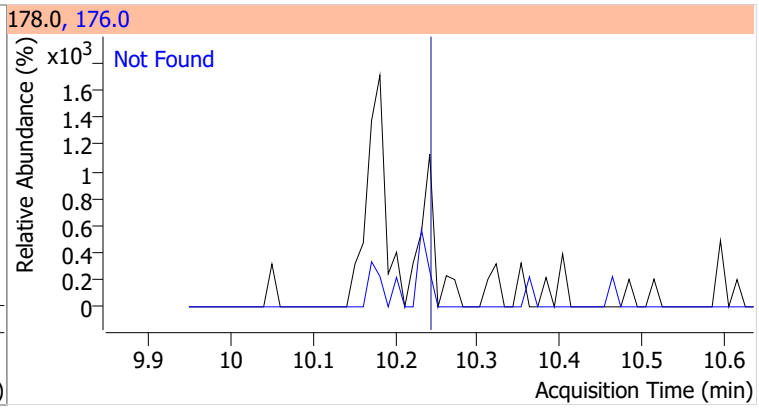
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



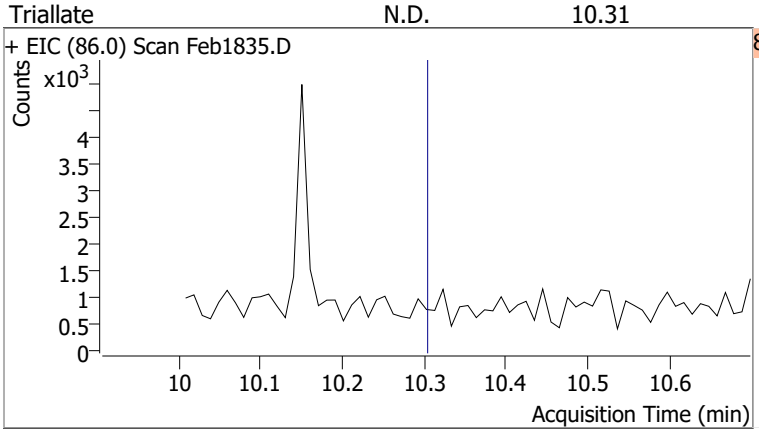


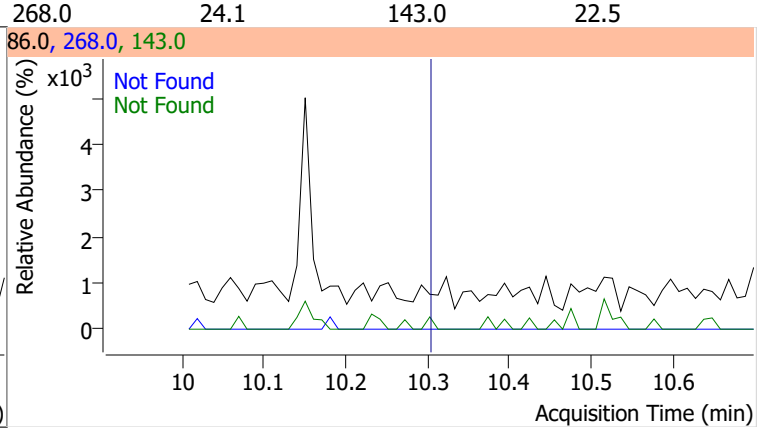
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



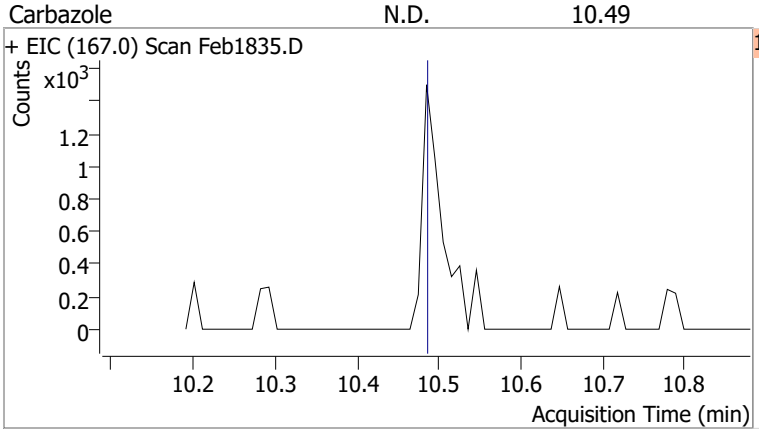


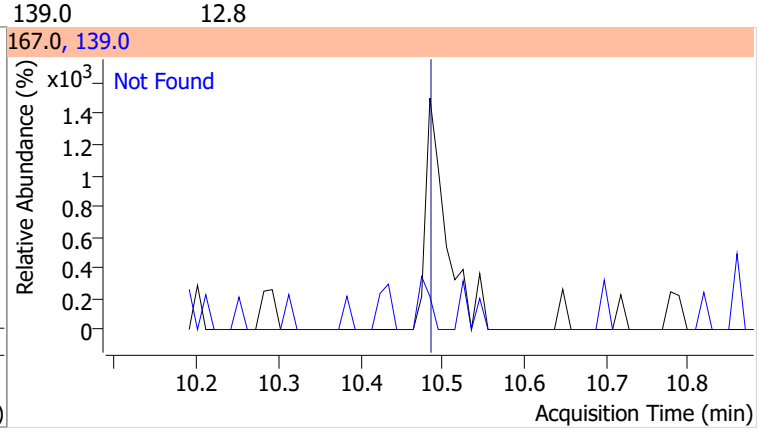
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



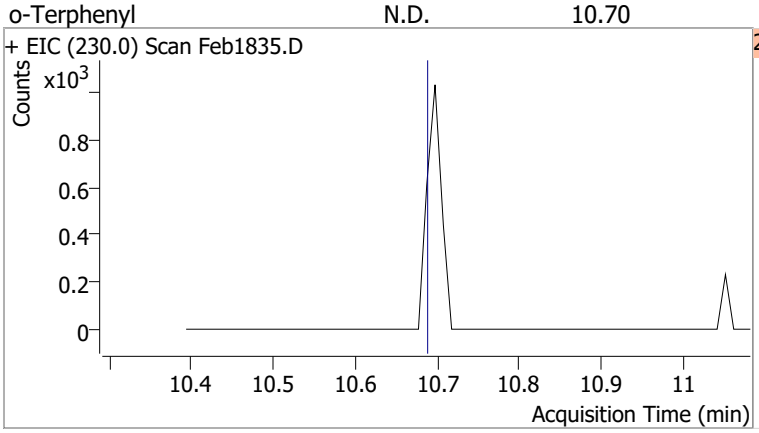


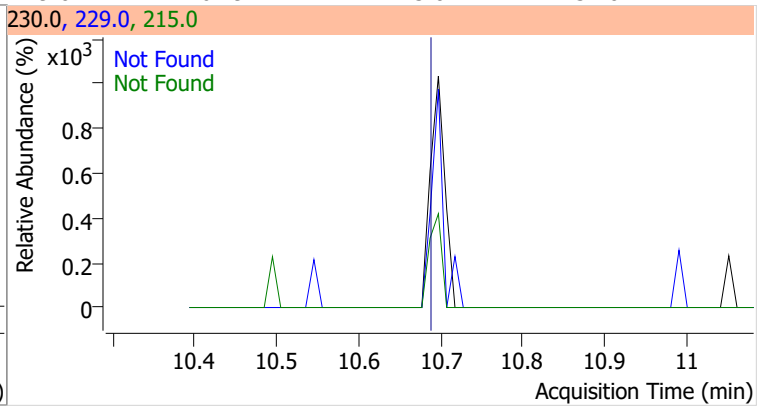
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



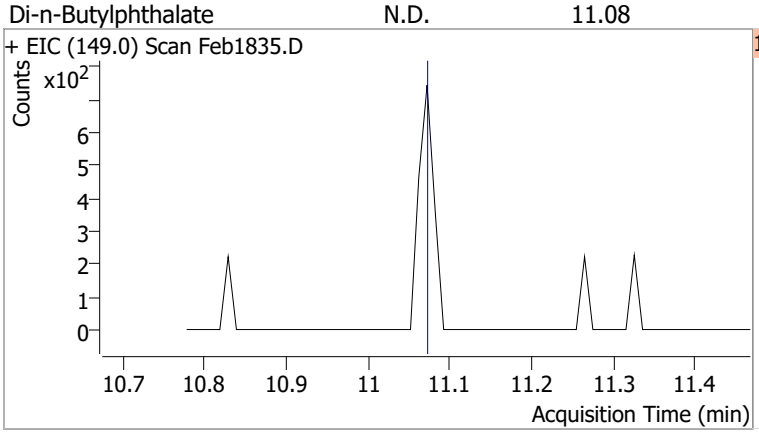


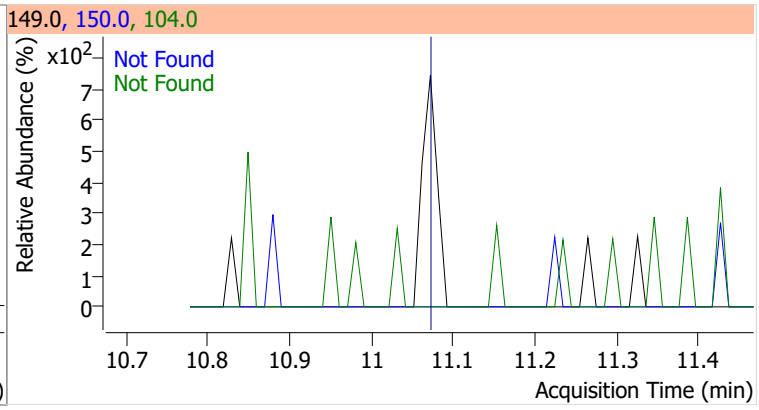
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



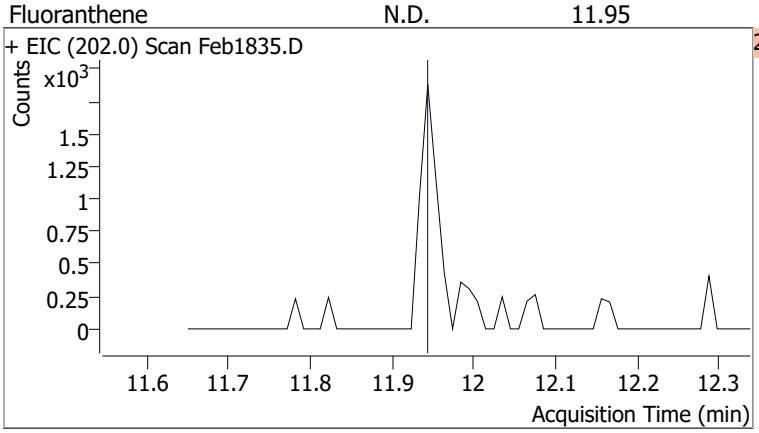


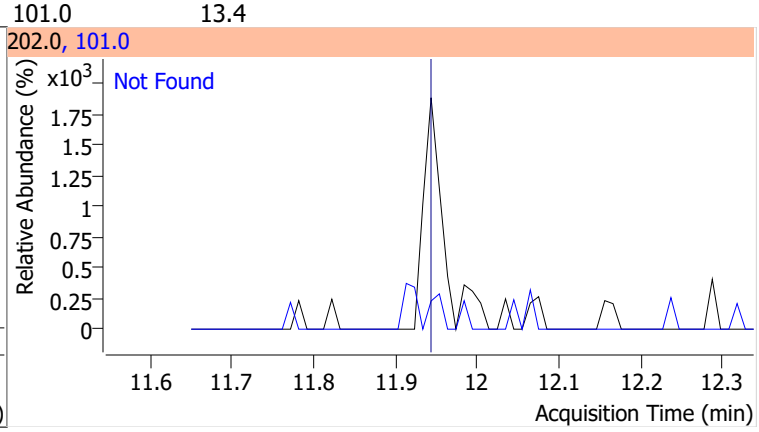
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



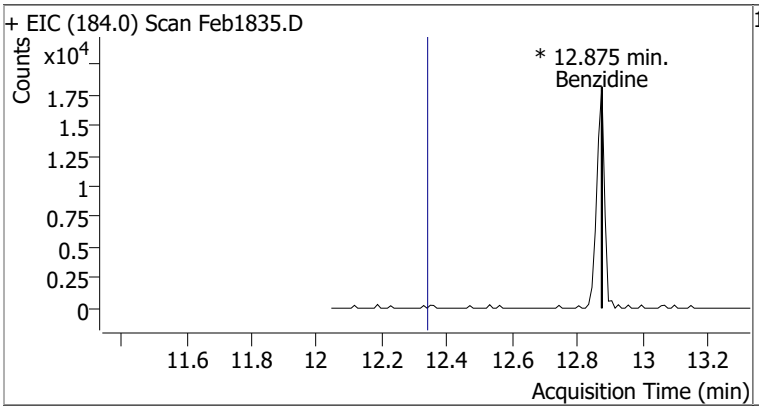


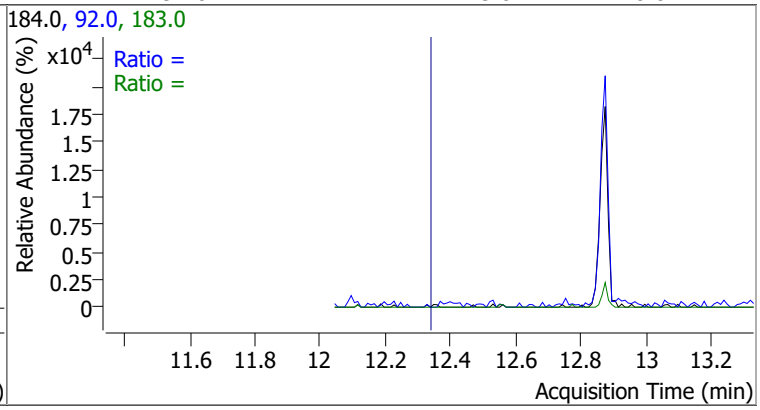
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



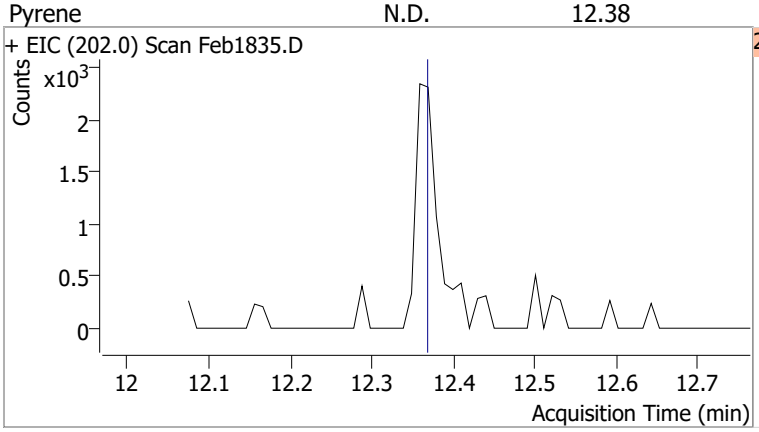


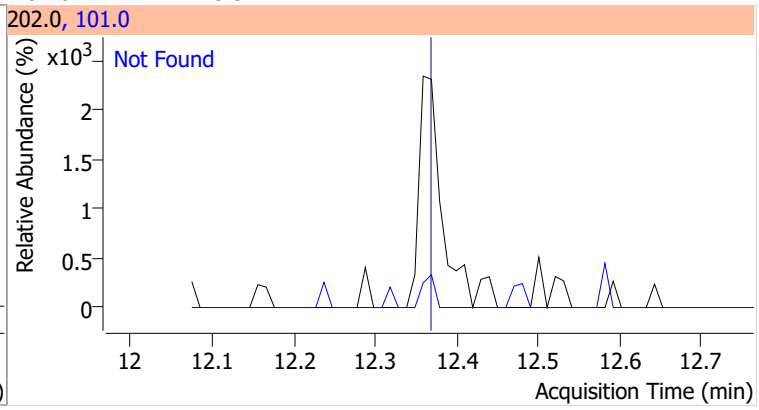
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



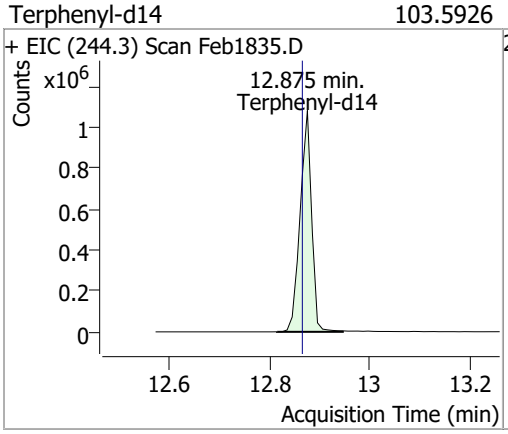


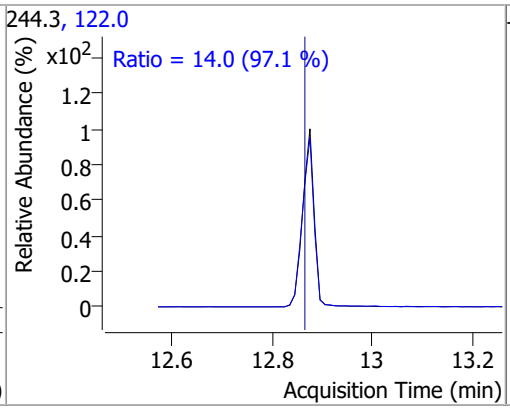
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

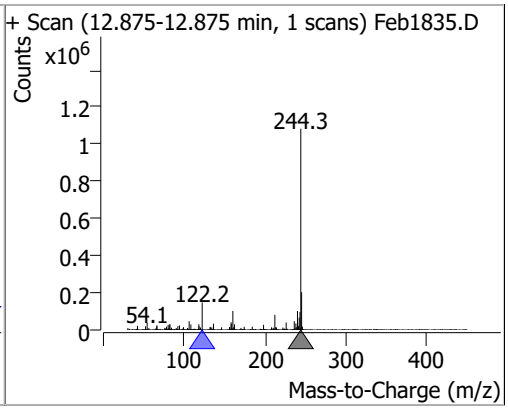




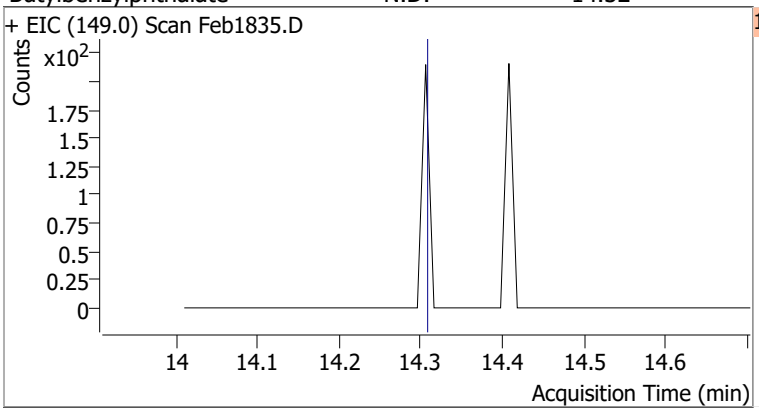
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	103.5926	12.88	0.00	1725905	122.0	14.0	10.1	18.7

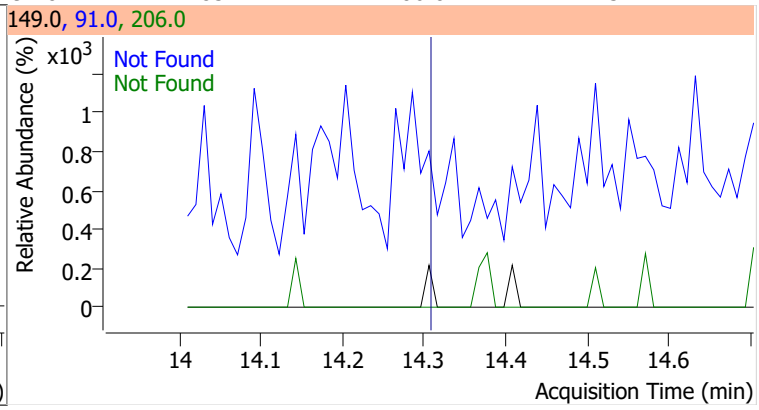




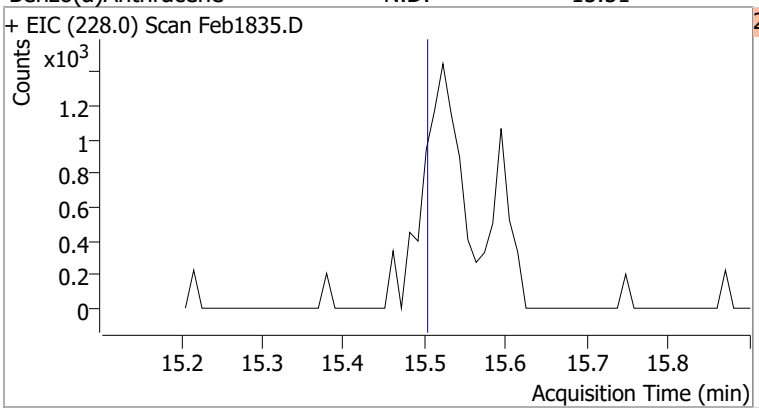


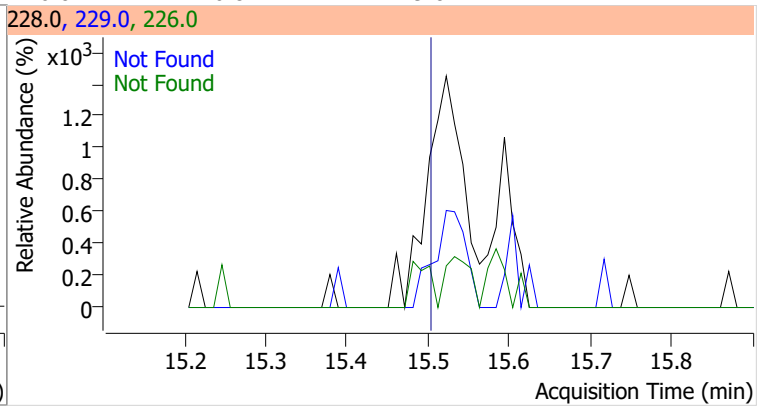
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



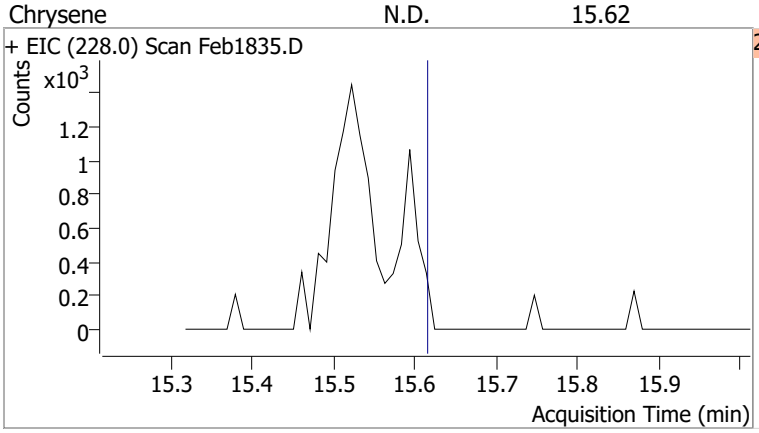


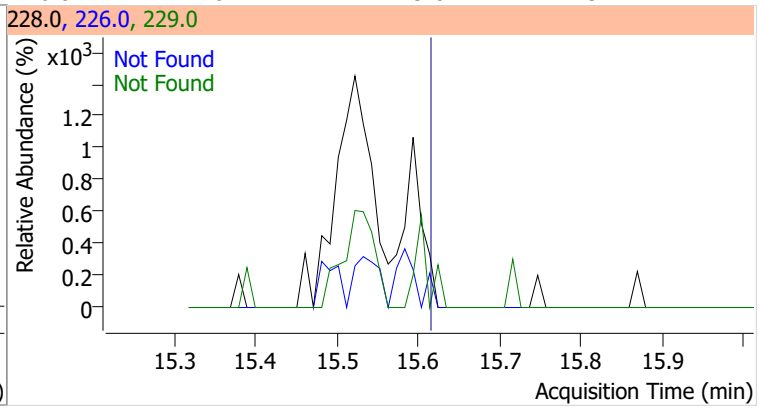
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



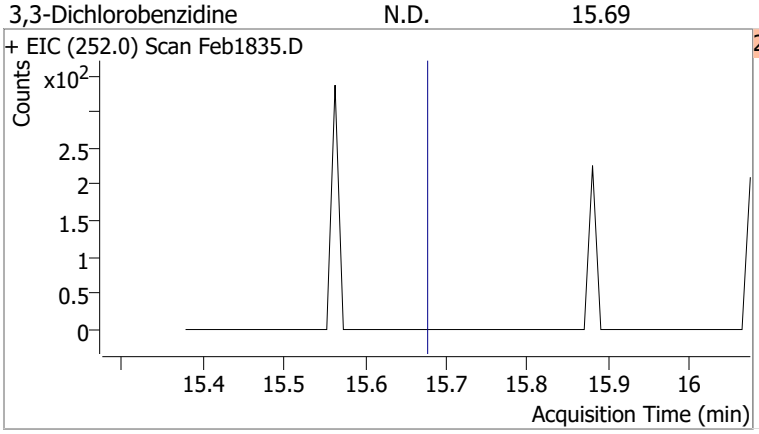


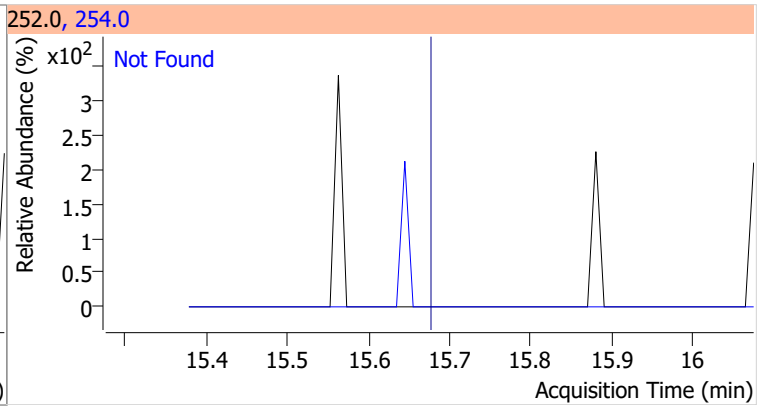
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



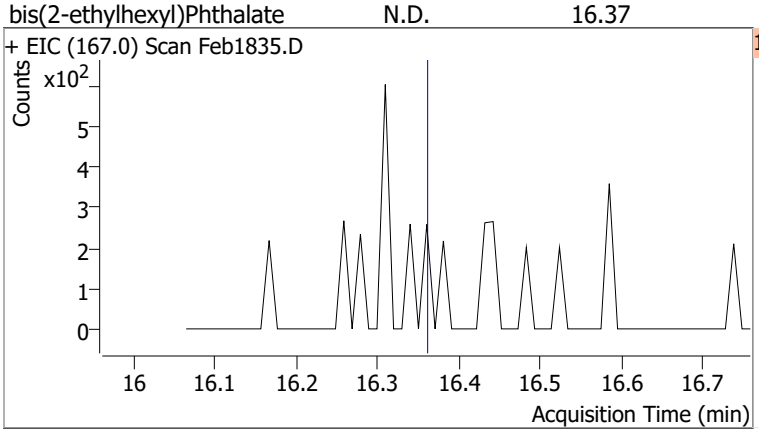


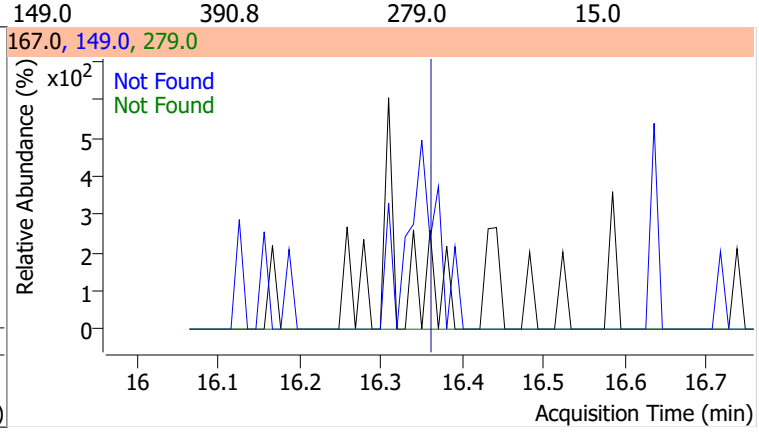
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



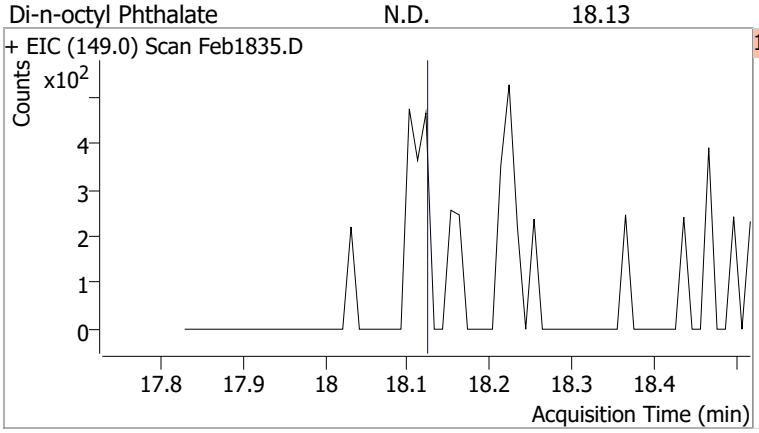


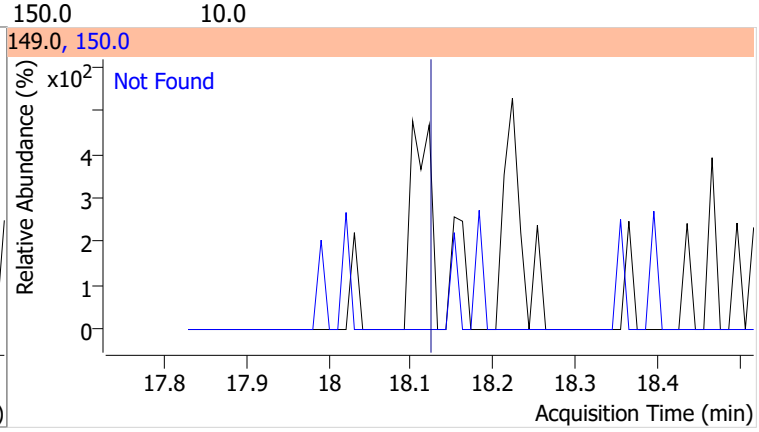
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



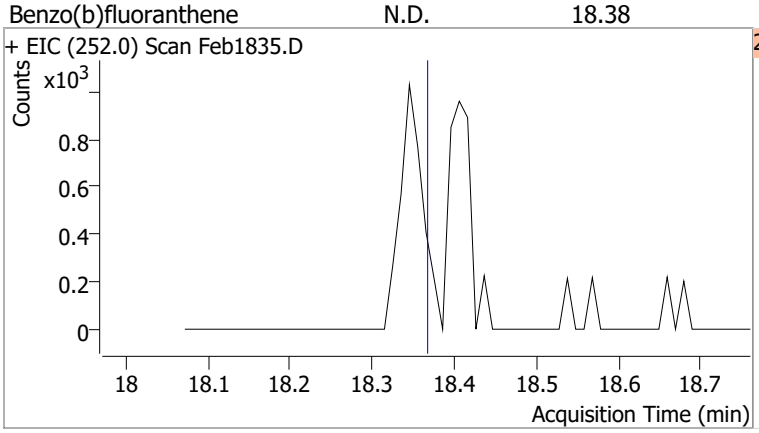


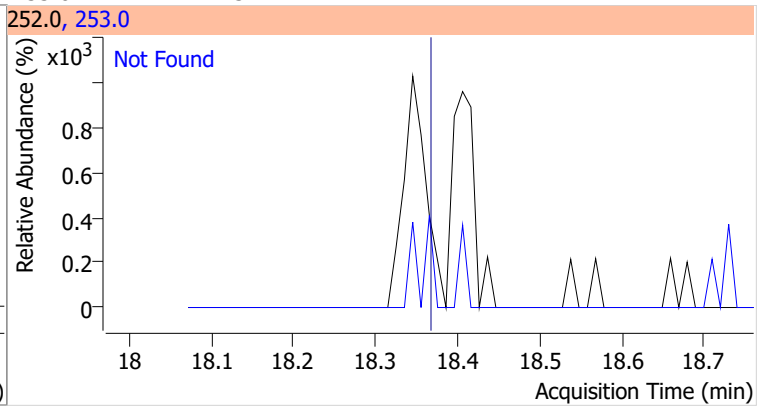
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



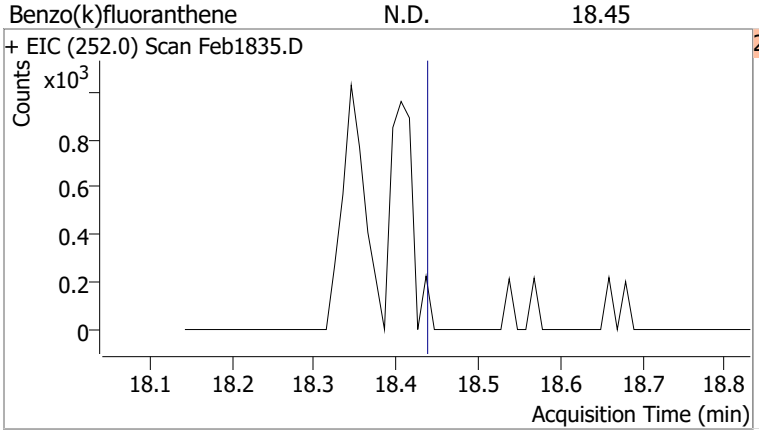


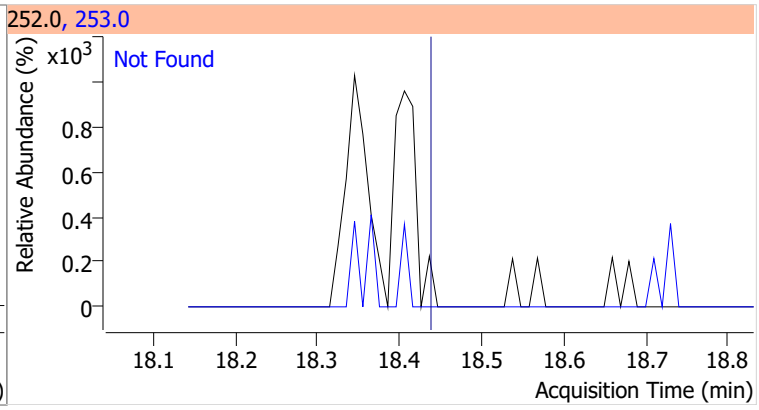
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



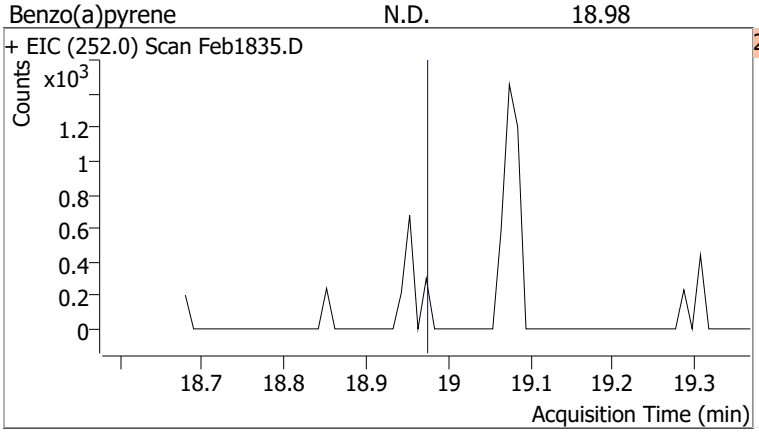


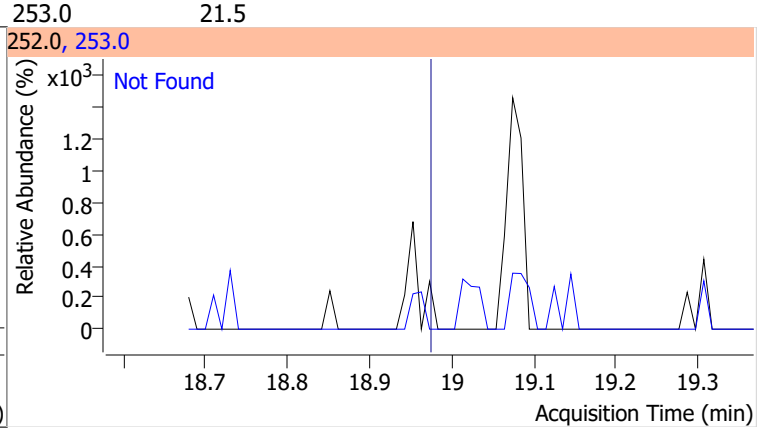
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



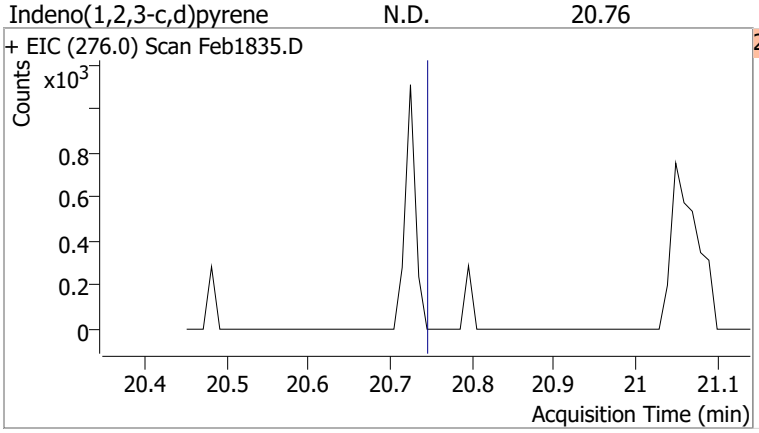


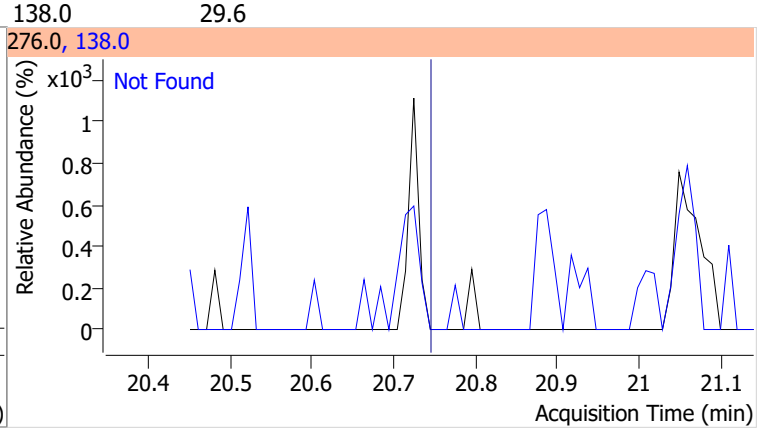
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



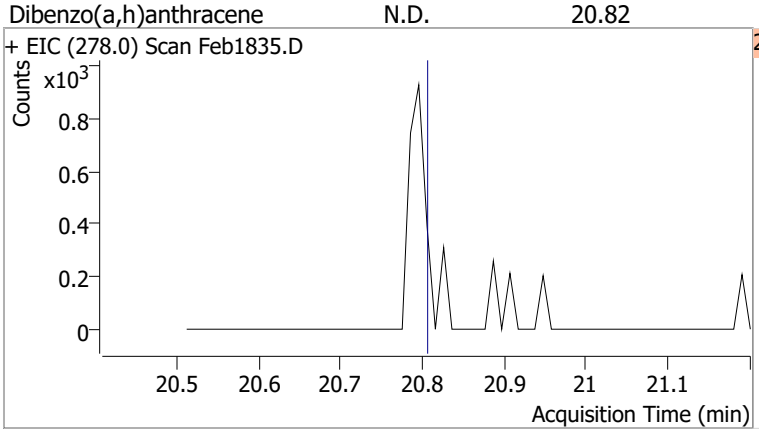


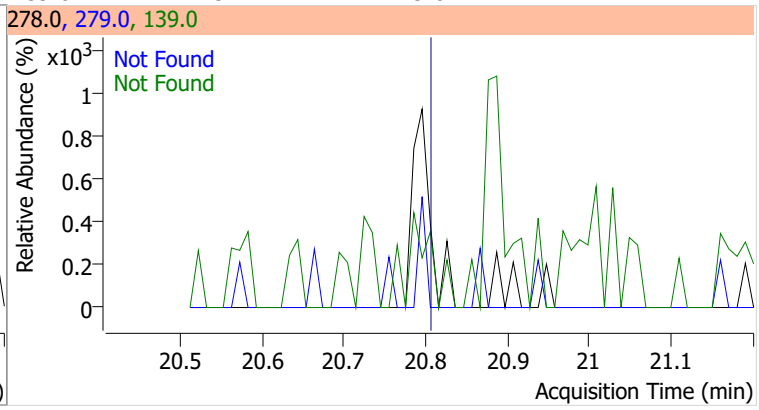
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



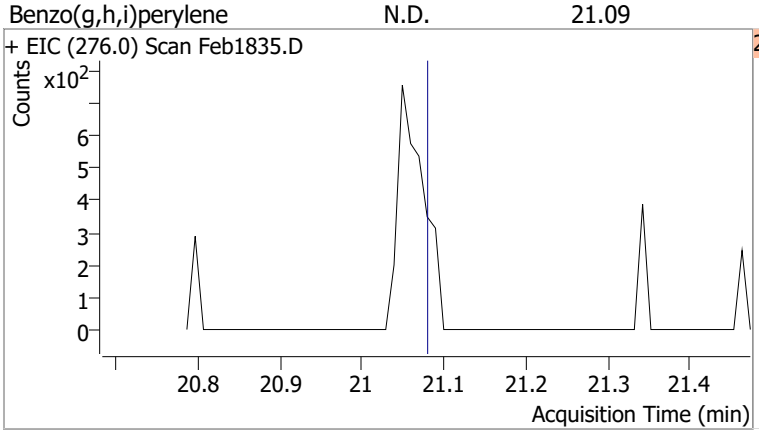


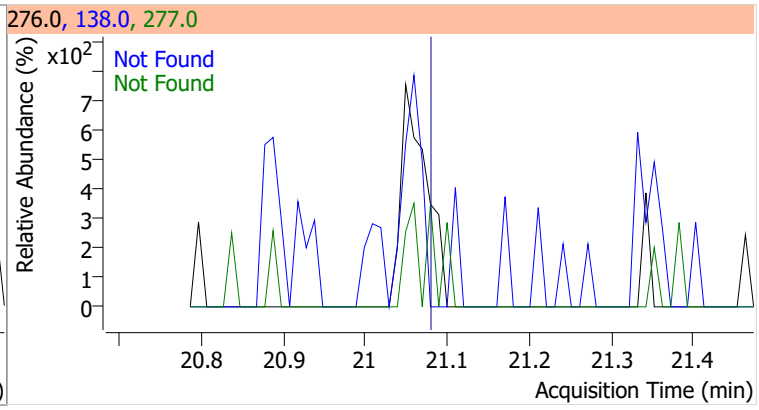
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





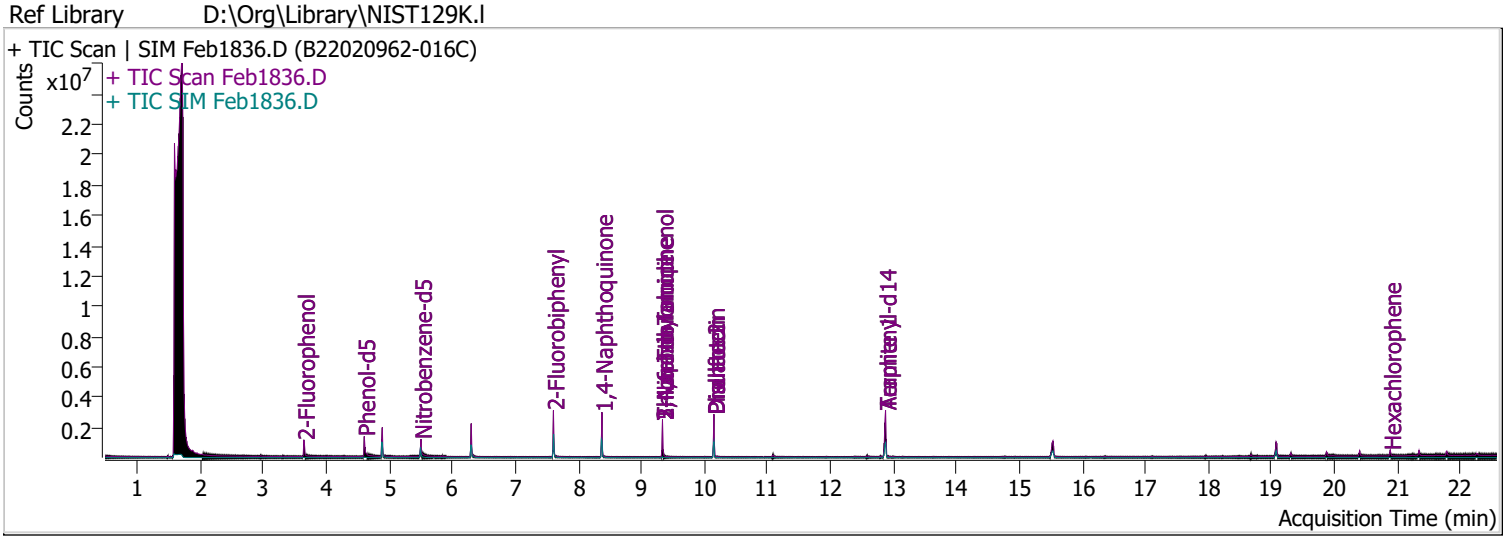
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1836.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/20/2022 2:40:26 AM
Sample Name	B22020962-016C	Instrument	Instrument #1
Vial	36	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



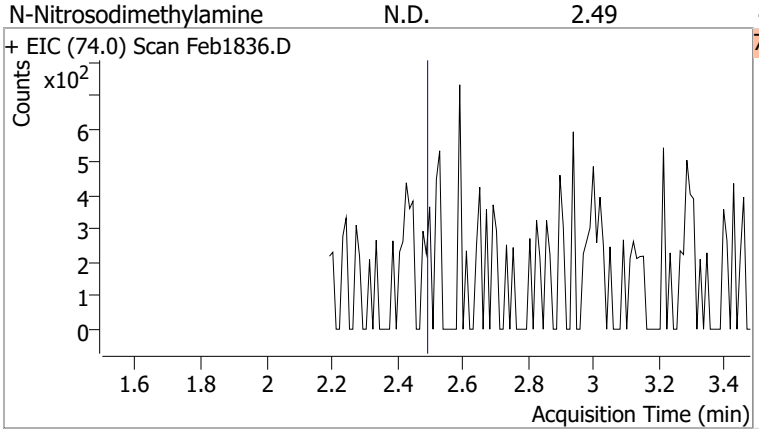
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	416867	49.3494	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 24.67%			
S Phenol-d5	4.603	99.0	562467	50.8191	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 25.41%			
S Nitrobenzene-d5	5.502	82.0	337128	55.2077	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 55.21%			
S 2-Fluorobiphenyl	7.605	172.0	914953	50.2767	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 50.28%			
S 2,4,6-Tribromophenol	9.336	329.8	180995	119.4889	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 59.74%			
S Terphenyl-d14	12.875	244.3	1633574	94.2213	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 94.22%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.			
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

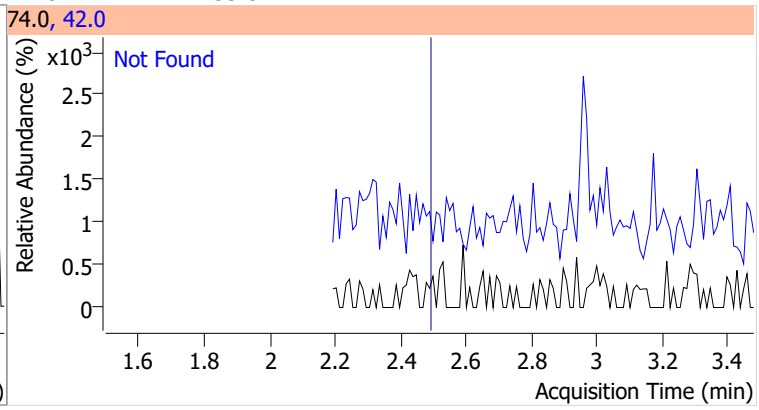
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	0.000		0	N.D.			
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	0.000		0	N.D.			
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

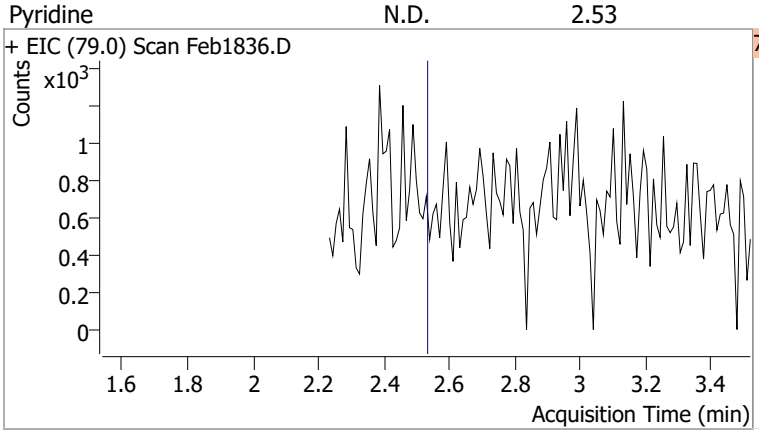
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

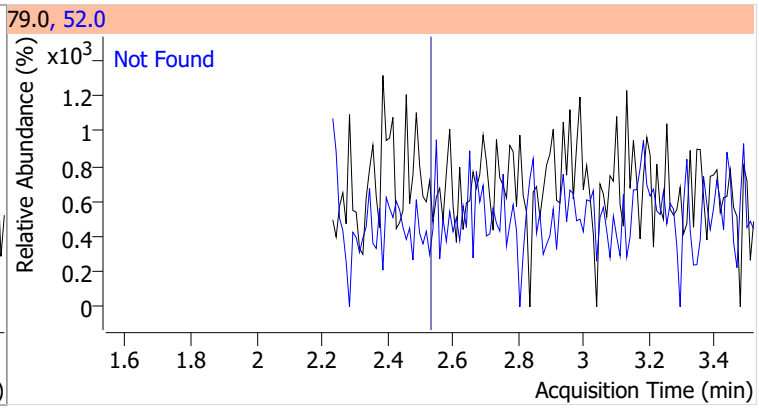
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



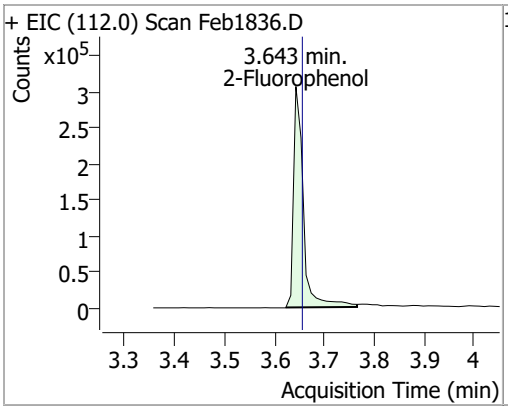


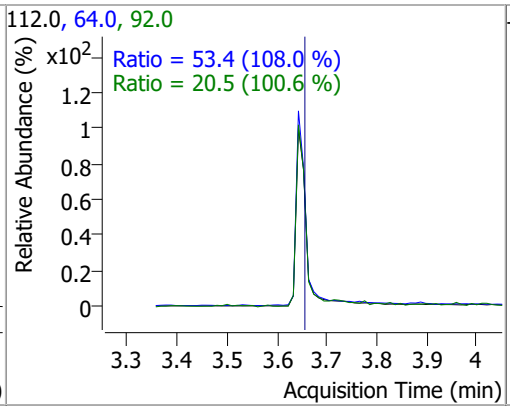
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

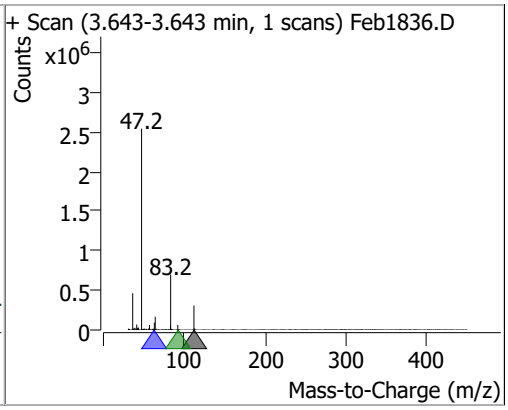




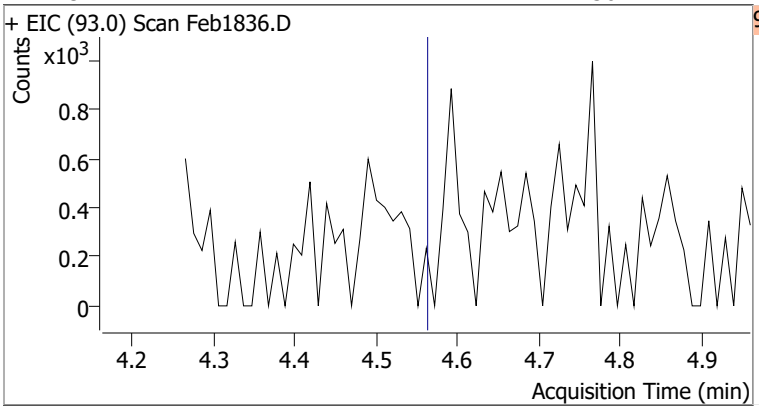
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	49.3494	3.64	-0.01	416867	64.0	53.4	34.6	64.3
					92.0	20.5	14.2	26.5

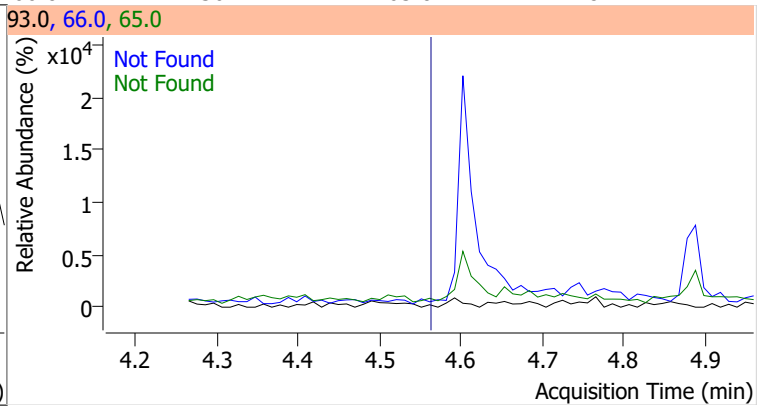




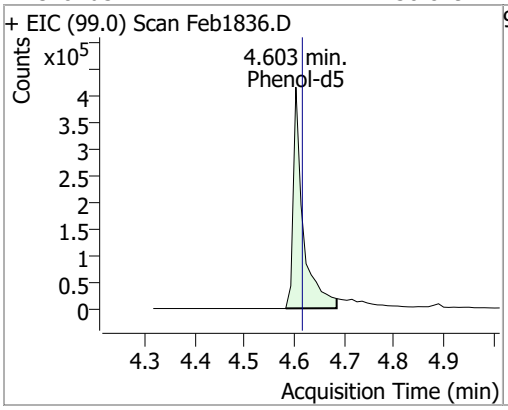


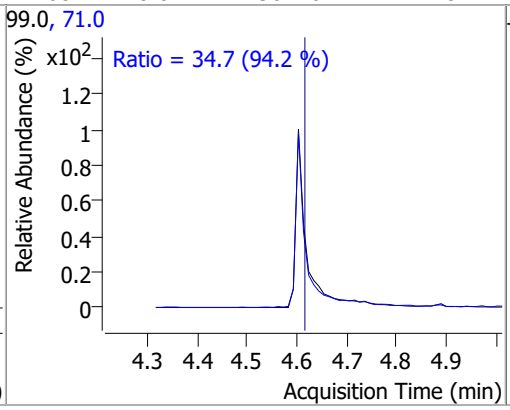
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

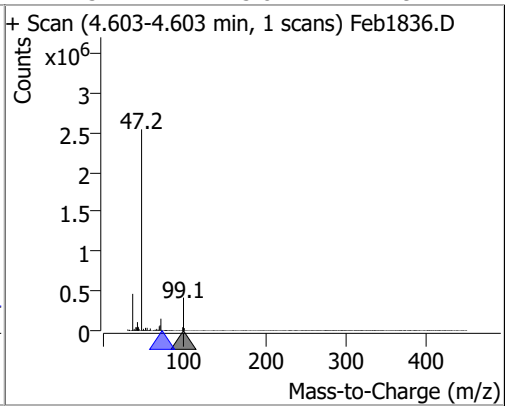




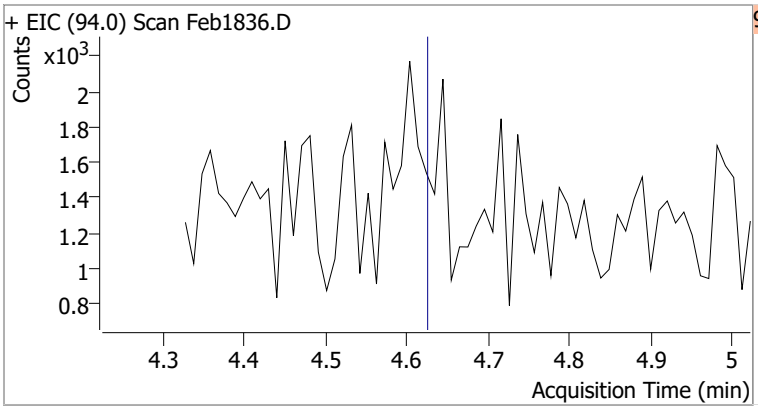
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	50.8191	4.60	-0.01	562467	71.0	34.7	25.8	47.9

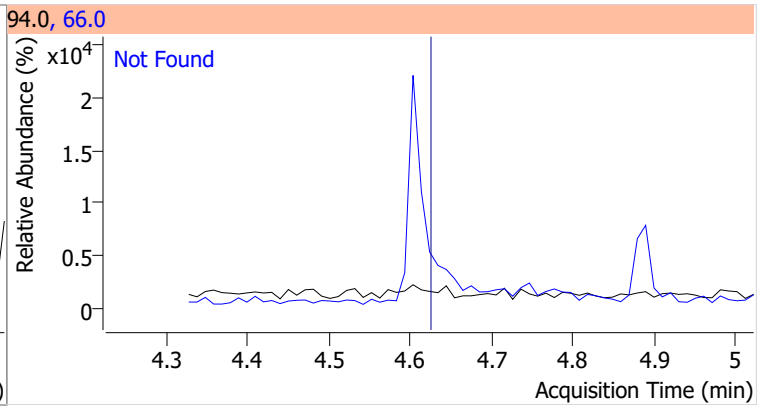




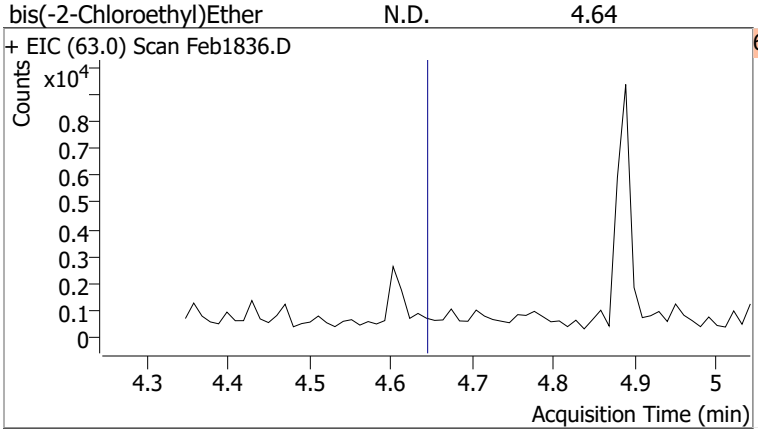


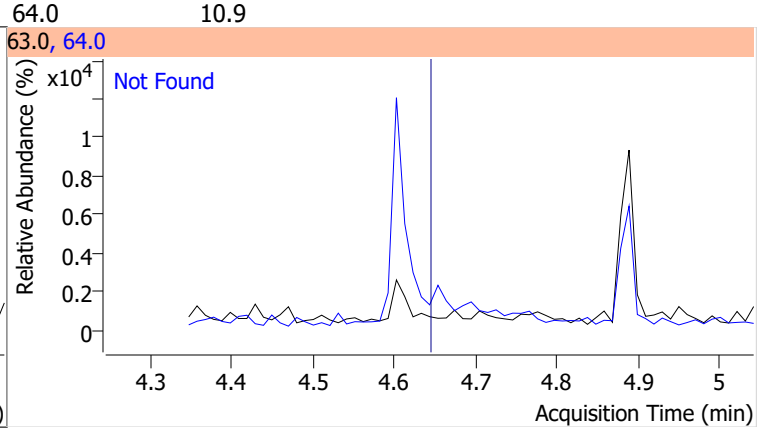
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



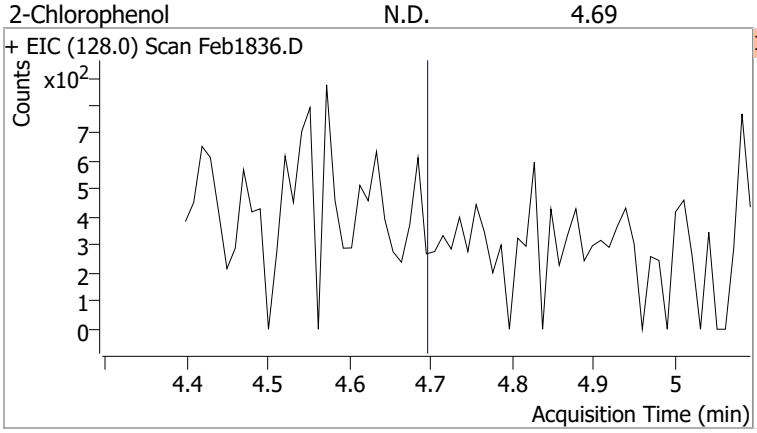


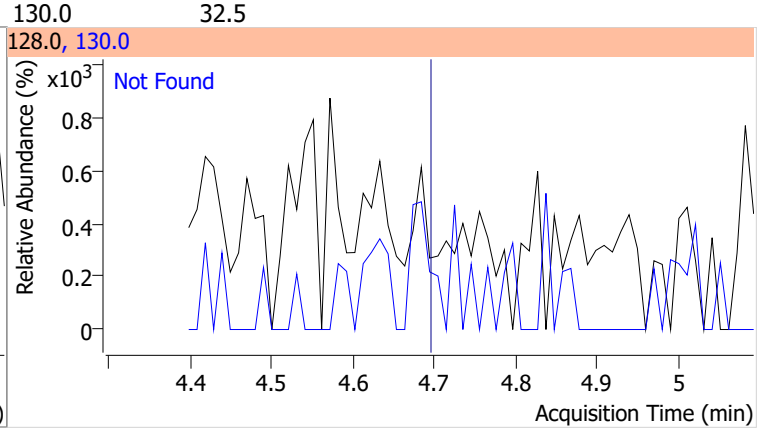
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



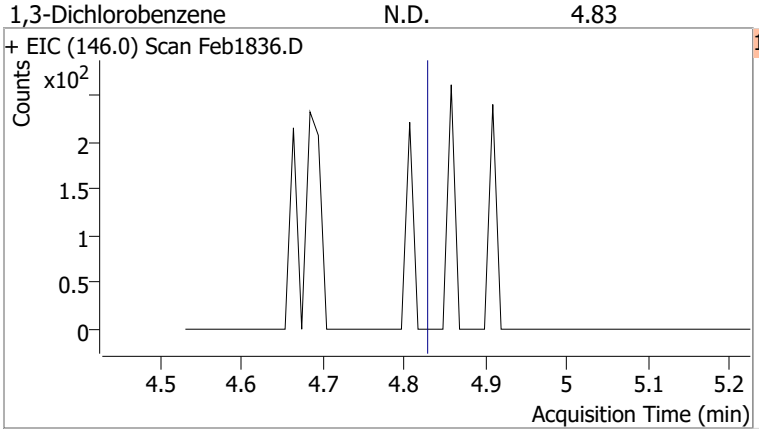


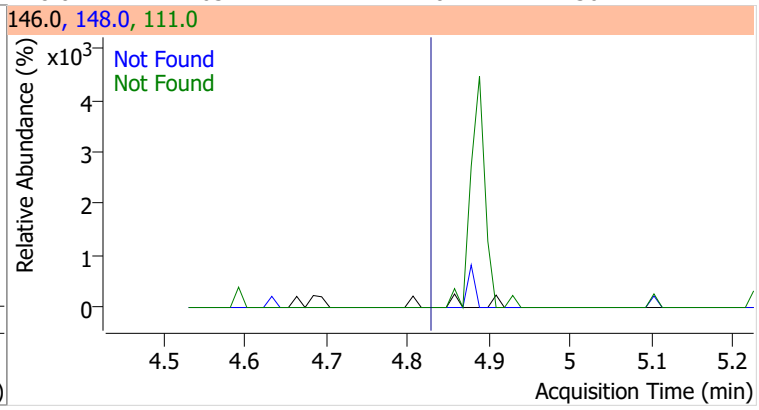
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



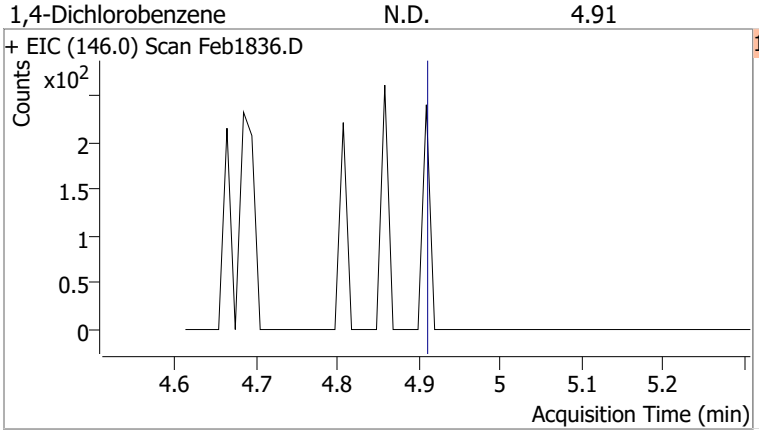


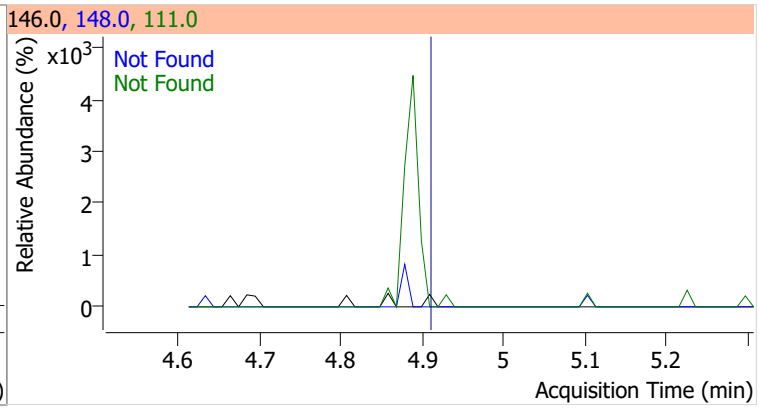
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



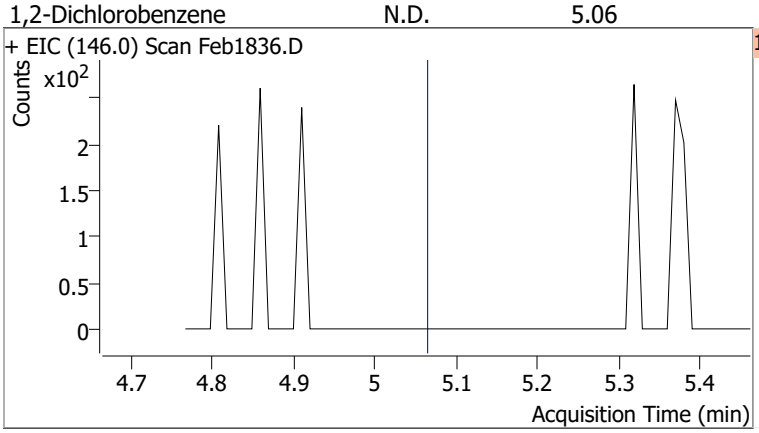


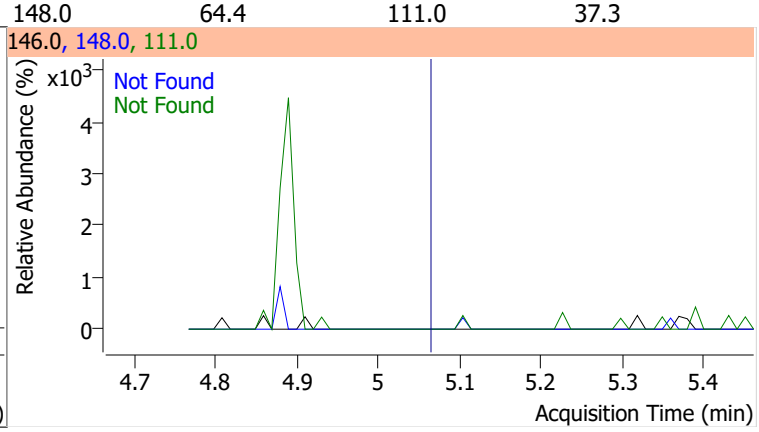
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



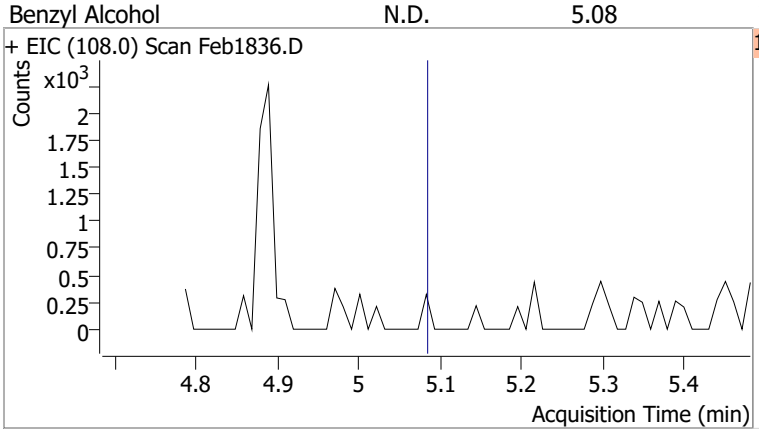


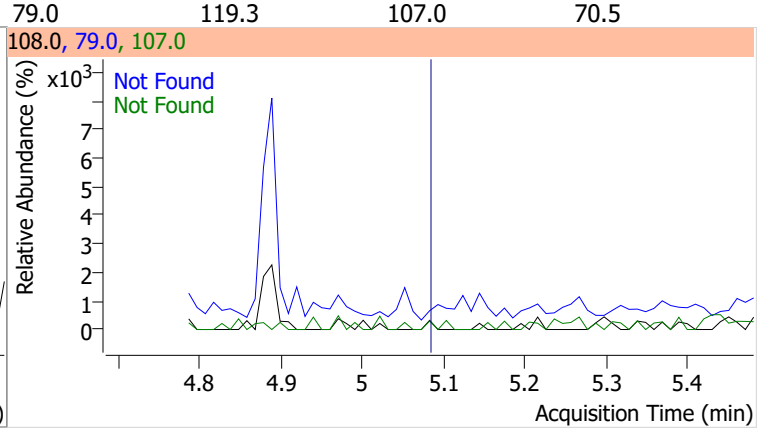
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



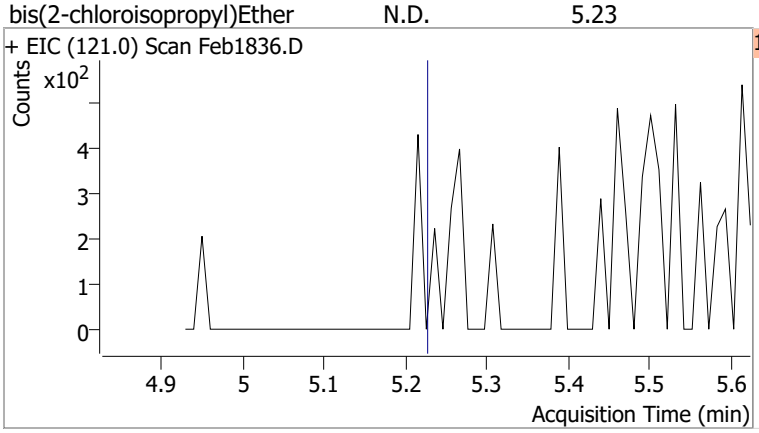


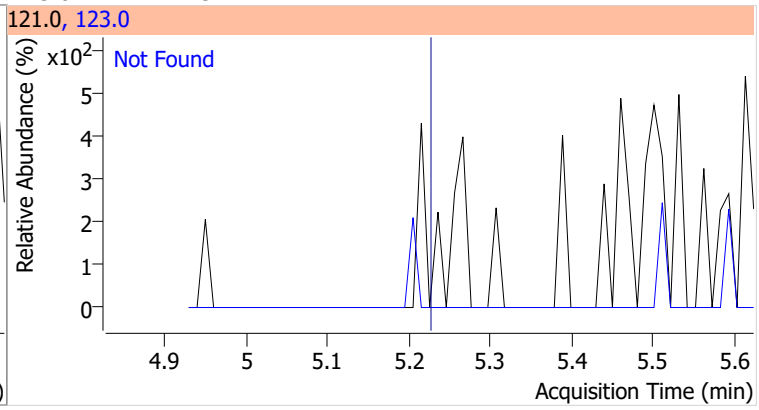
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



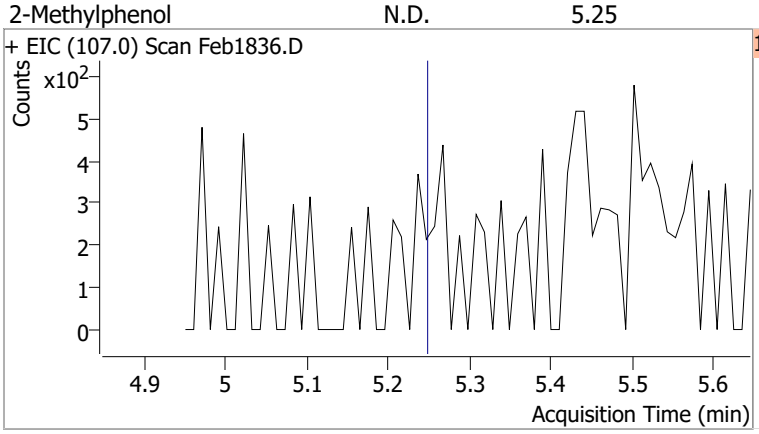


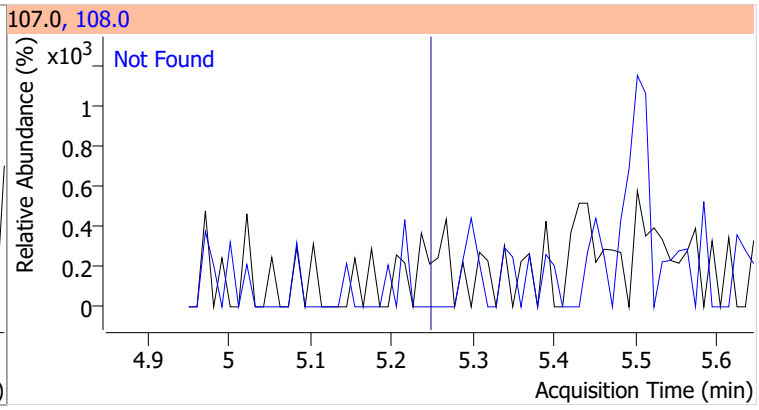
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



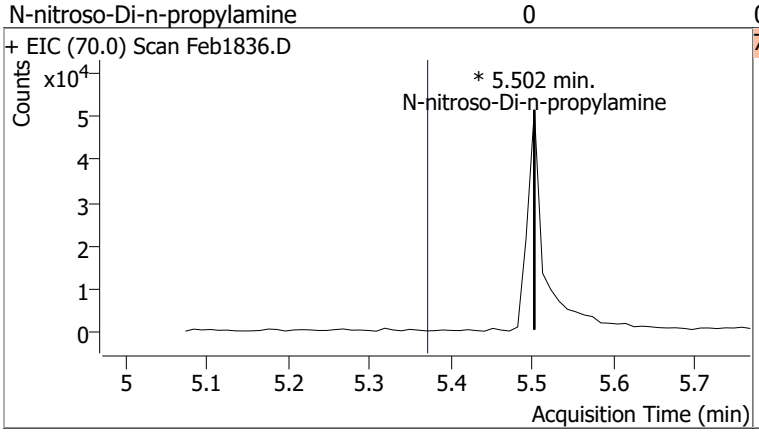


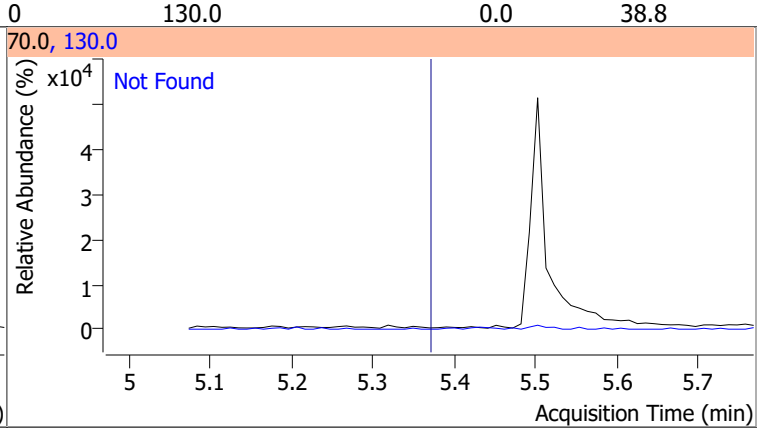
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



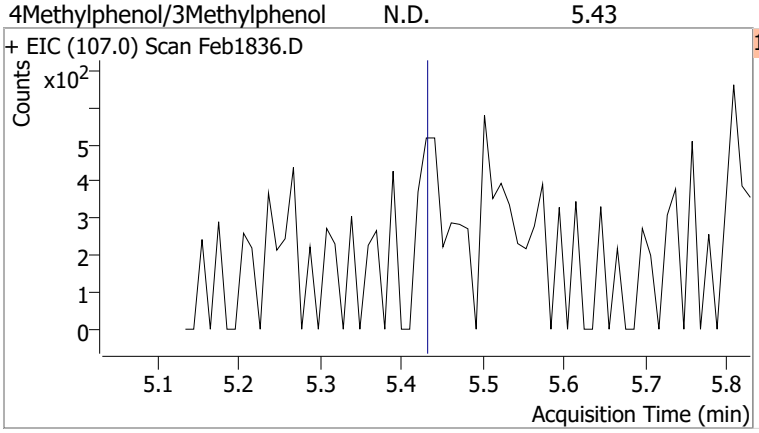


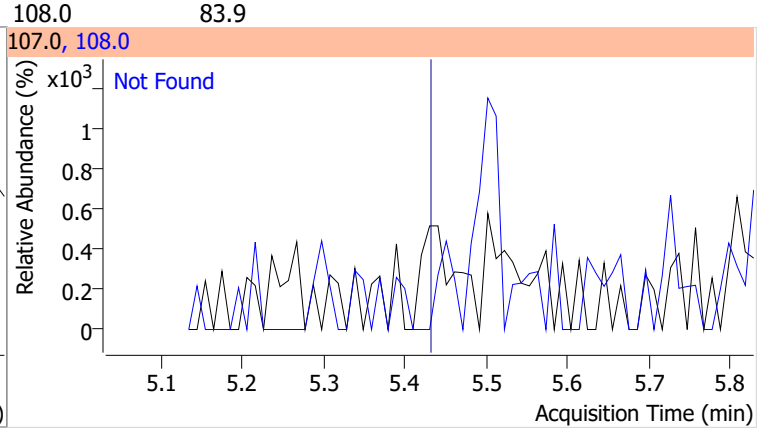
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



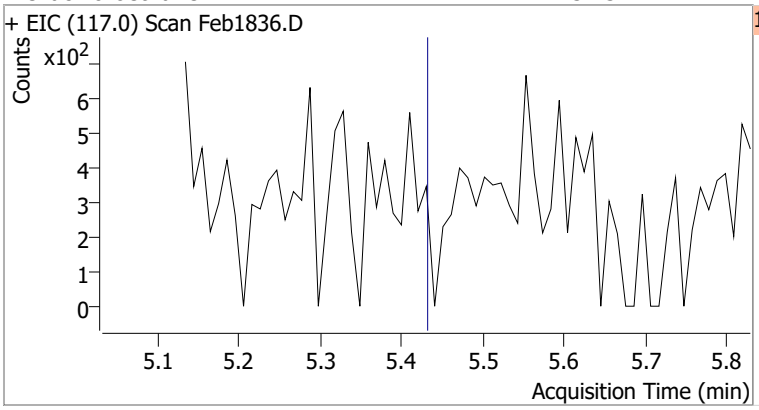


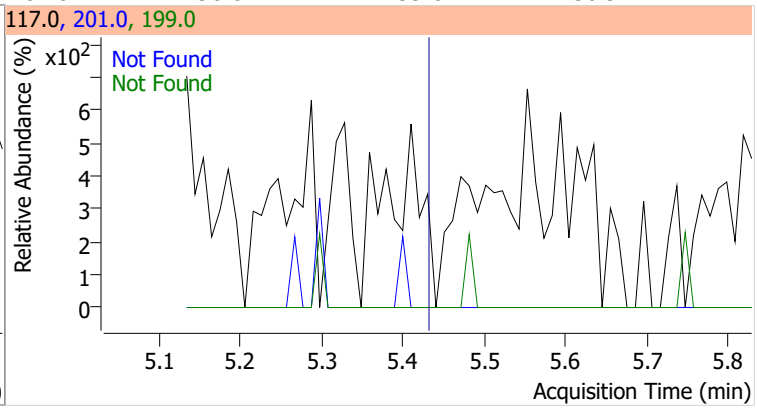
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



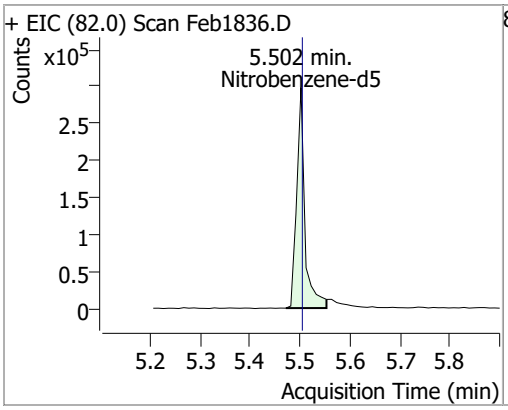


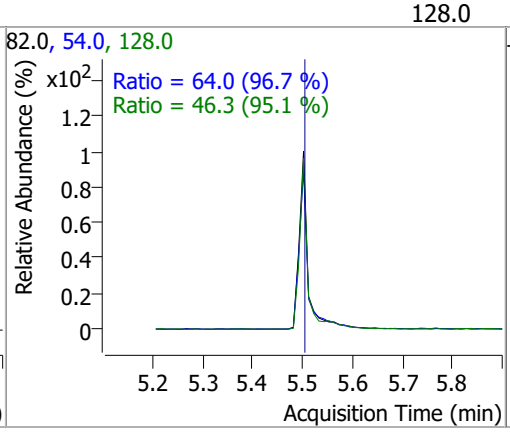
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

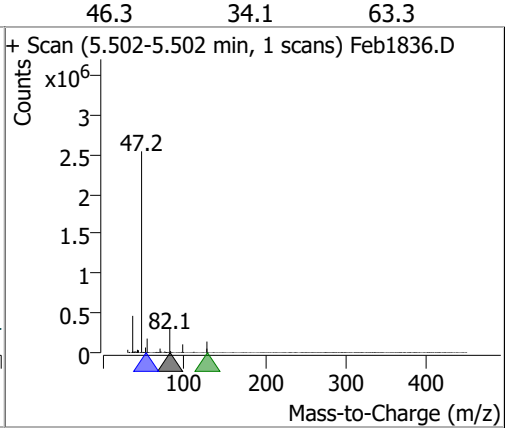




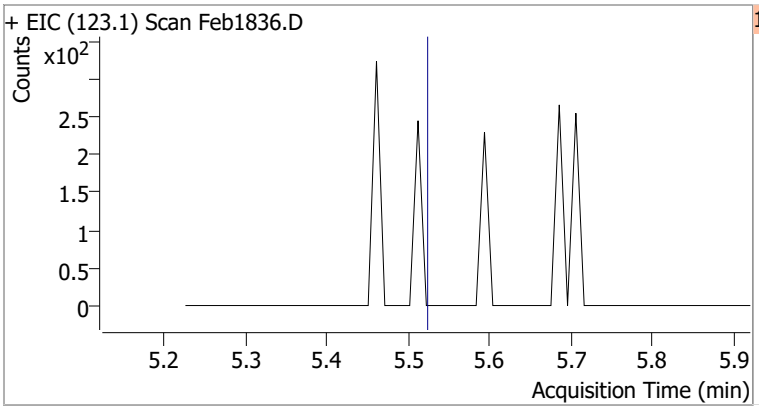
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	55.2077	5.50	0.00	337128	54.0	64.0	46.3	86.0
					128.0	46.3	34.1	63.3

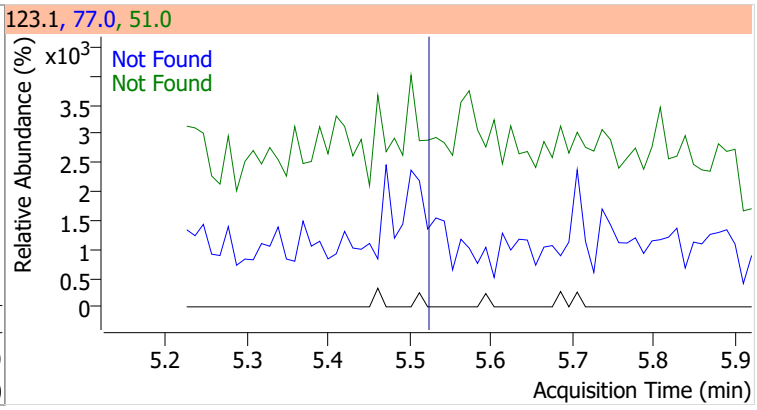




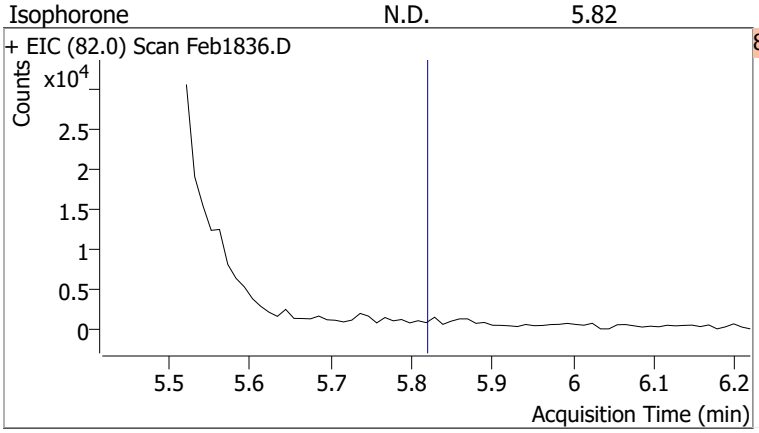


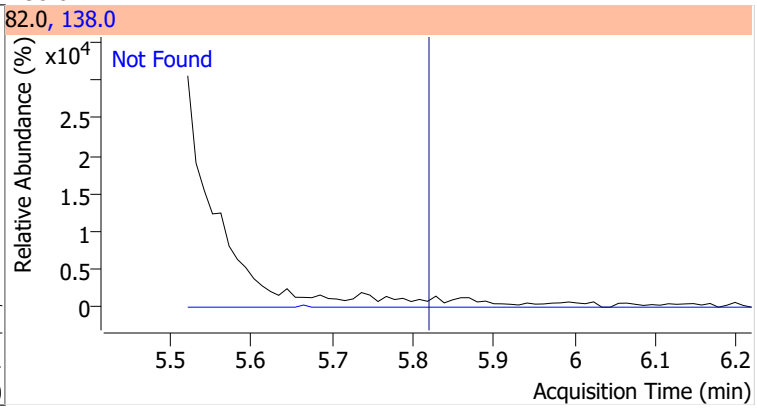
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



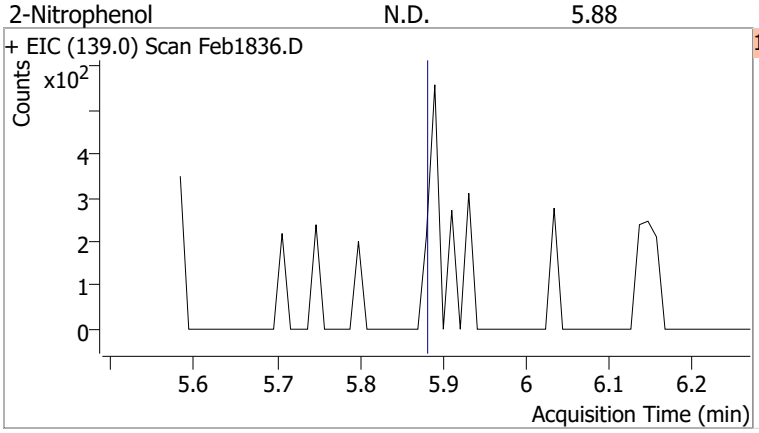


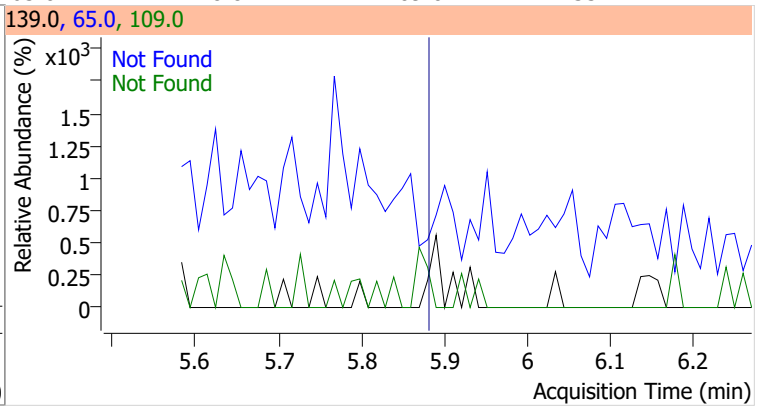
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



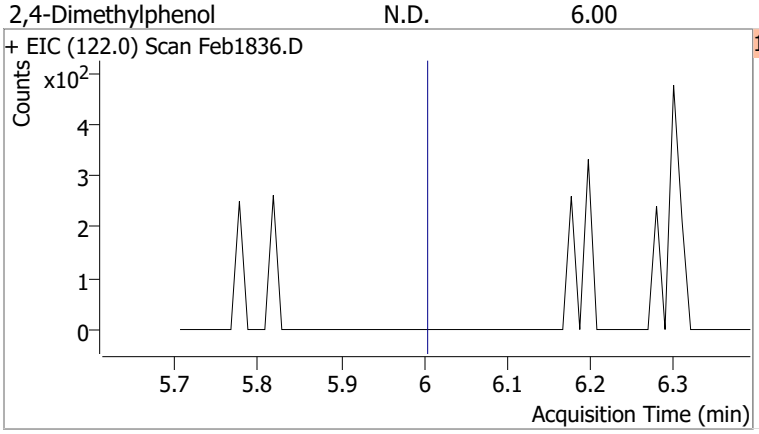


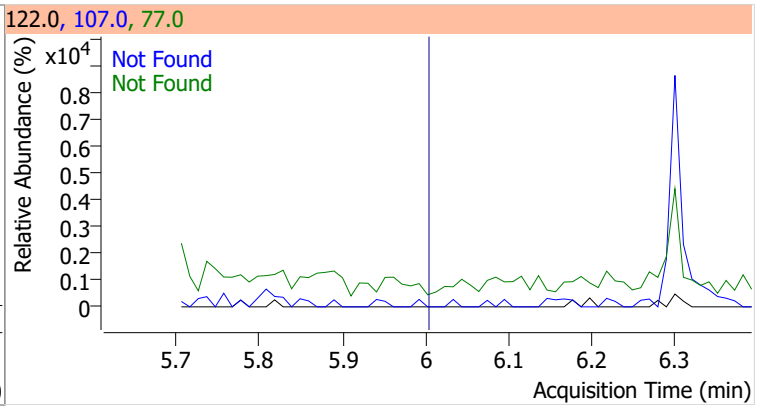
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



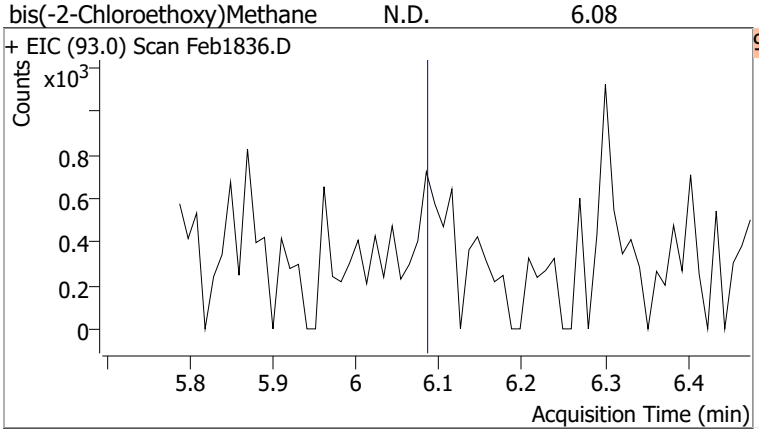


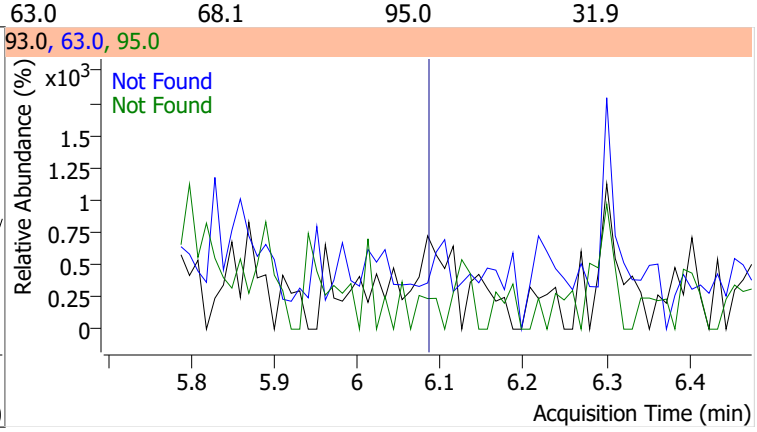
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



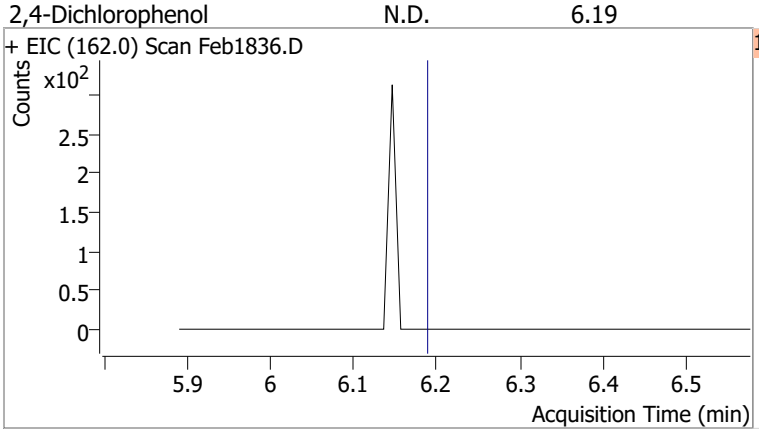


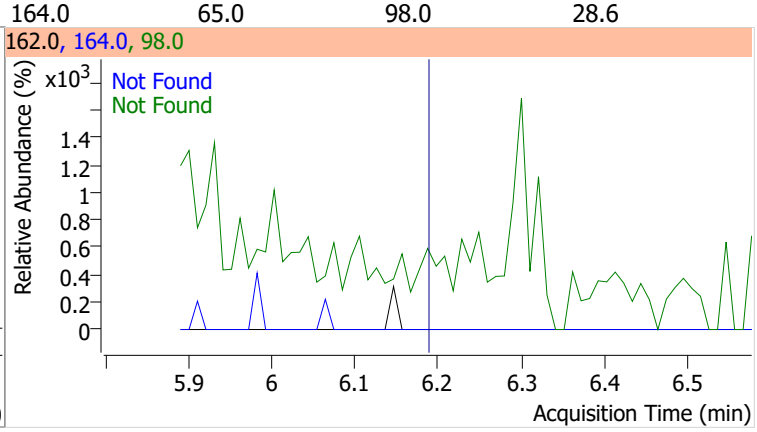
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



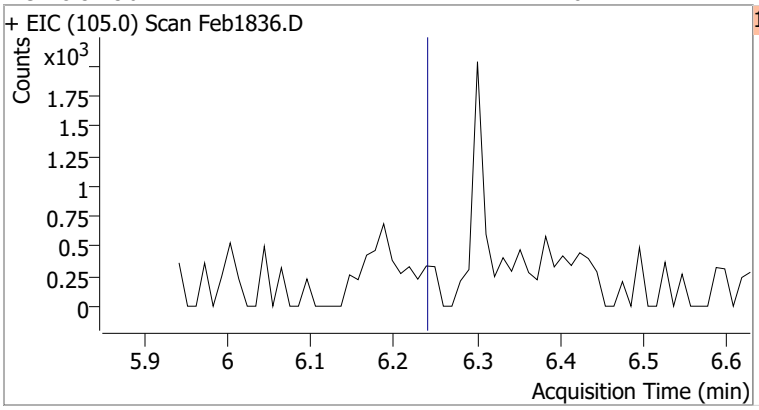


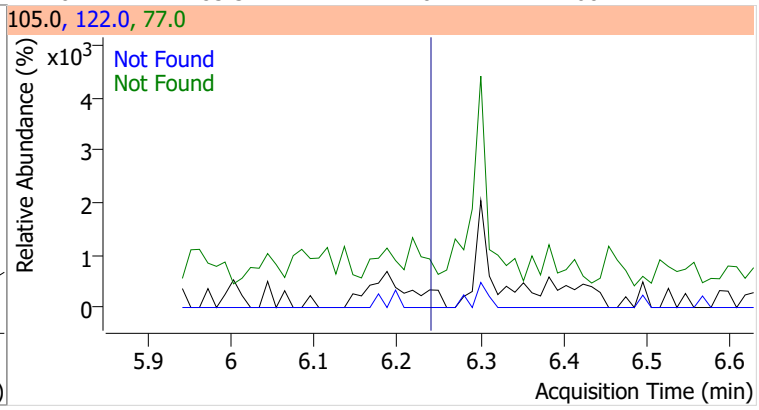
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



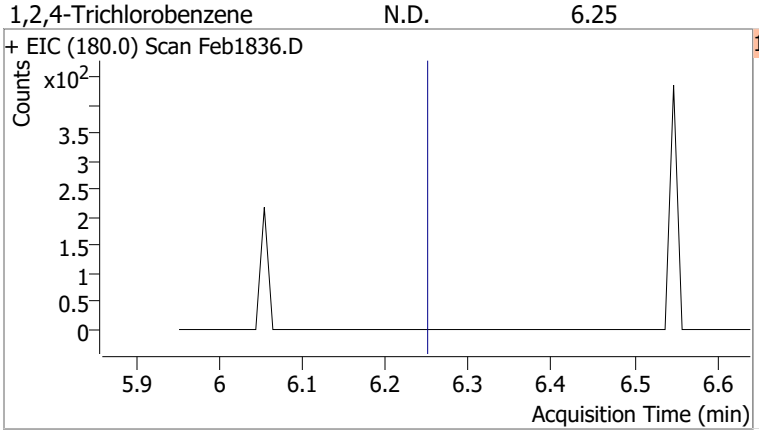


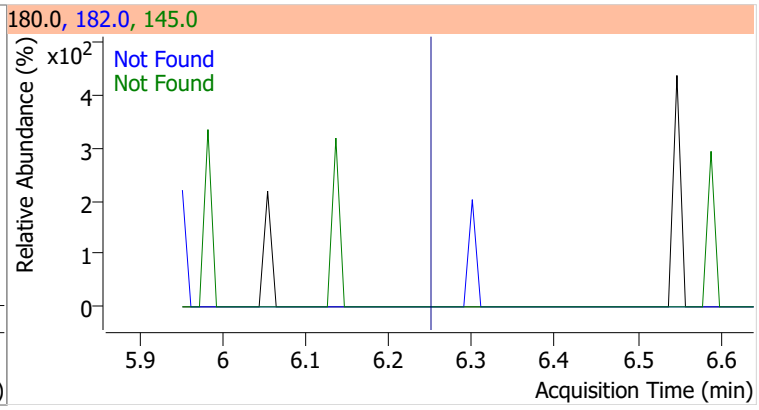
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



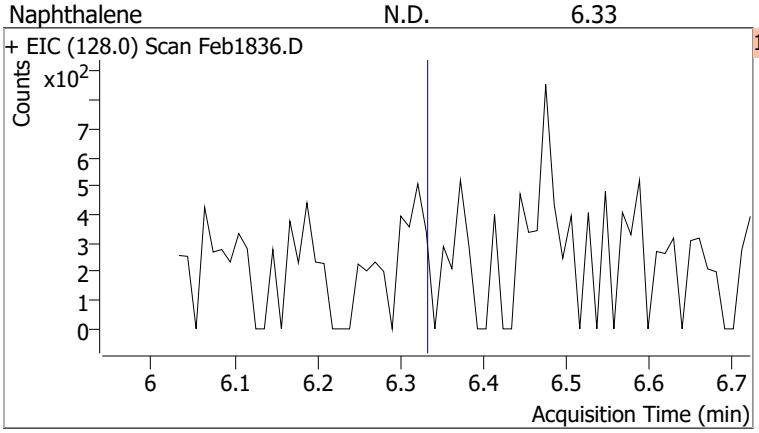


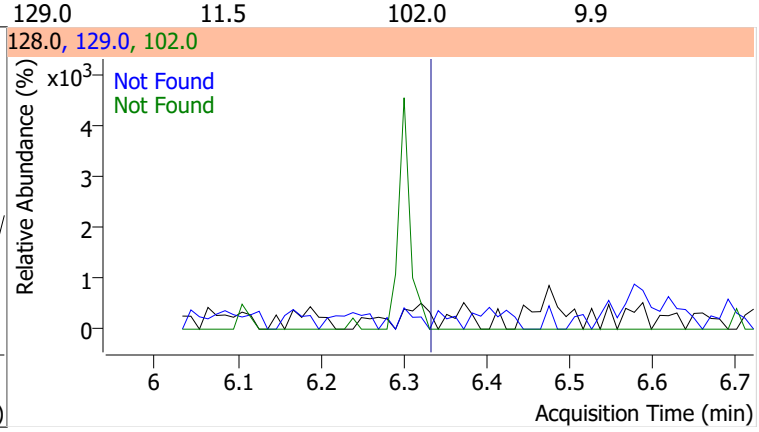
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



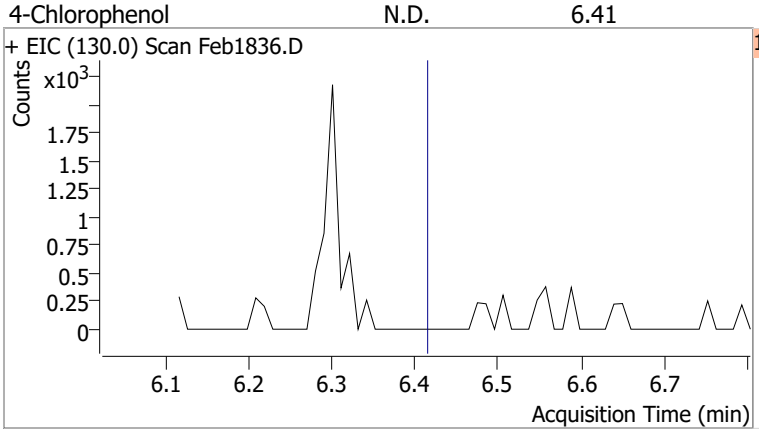


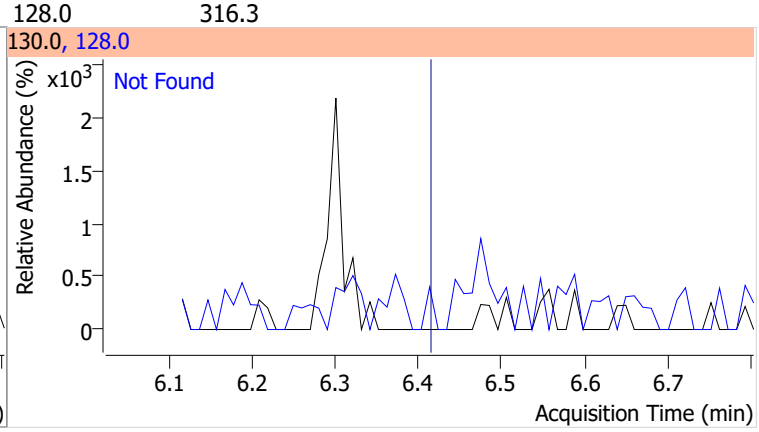
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



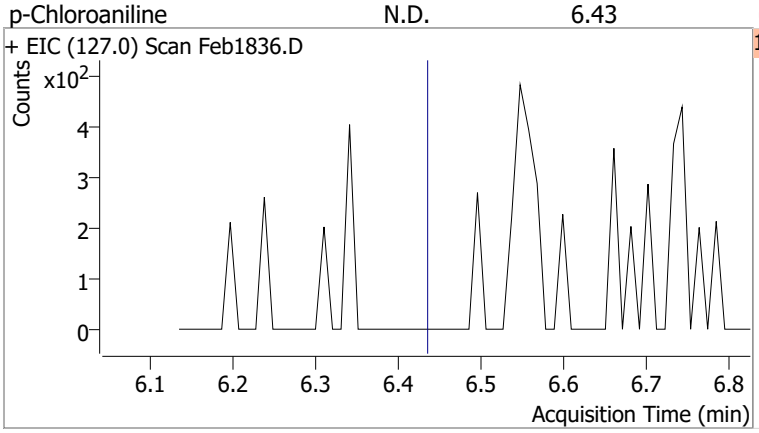


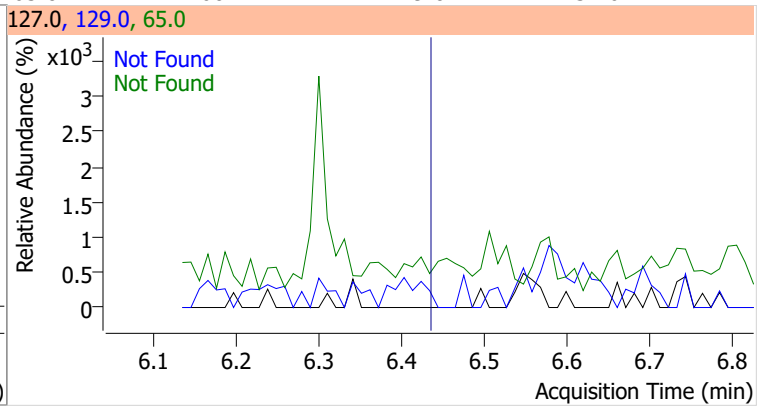
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorophenol	N.D.	6.41	128.0	316.3



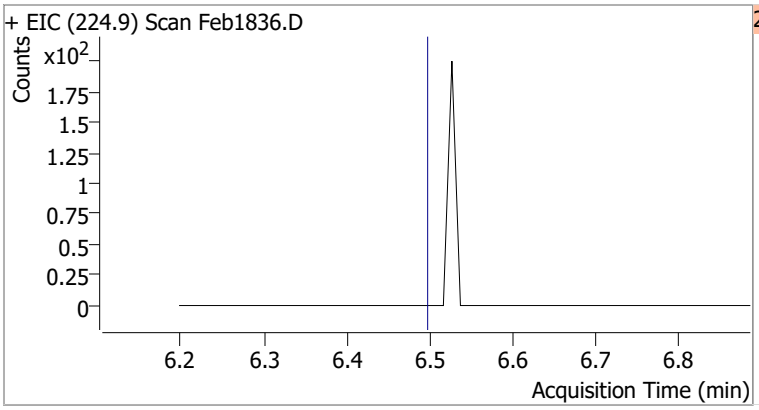


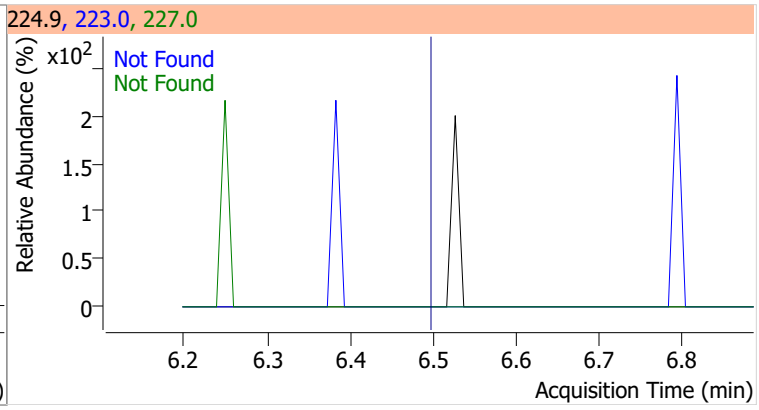
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



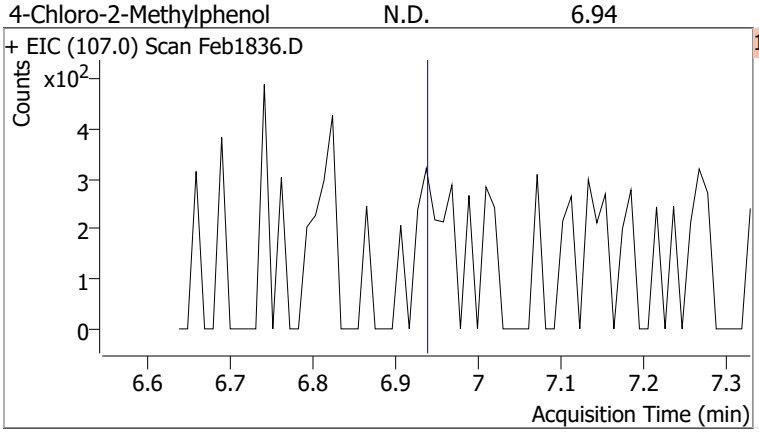


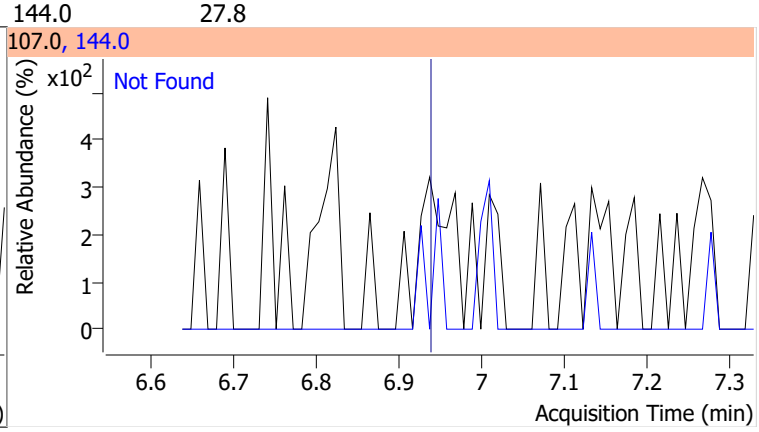
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



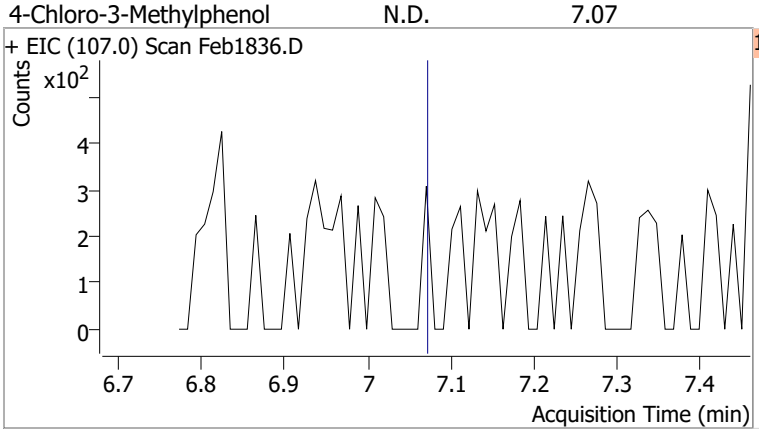


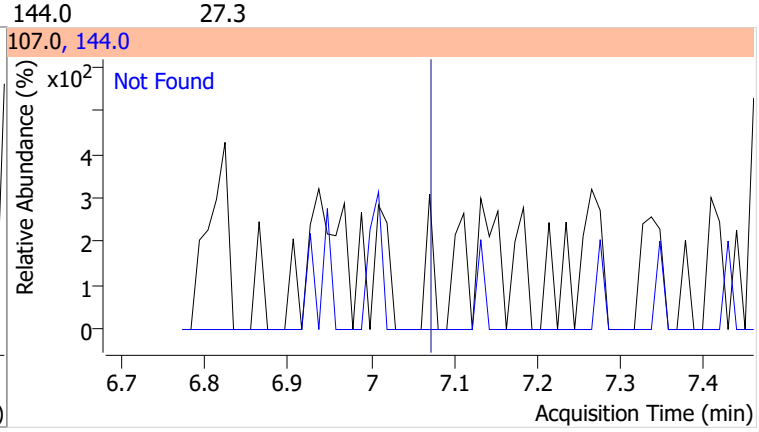
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



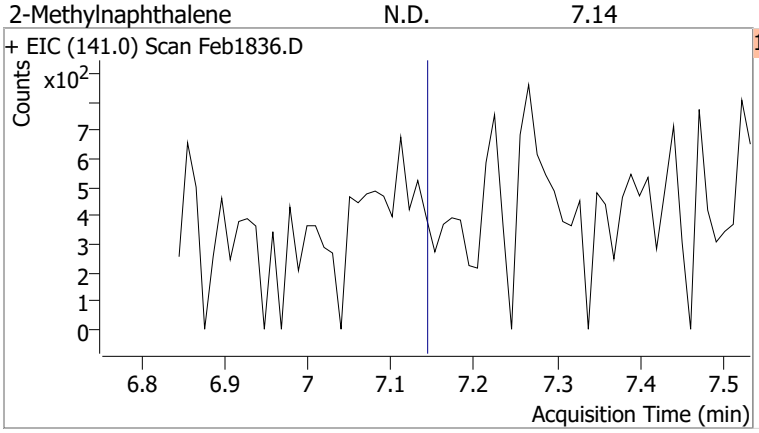


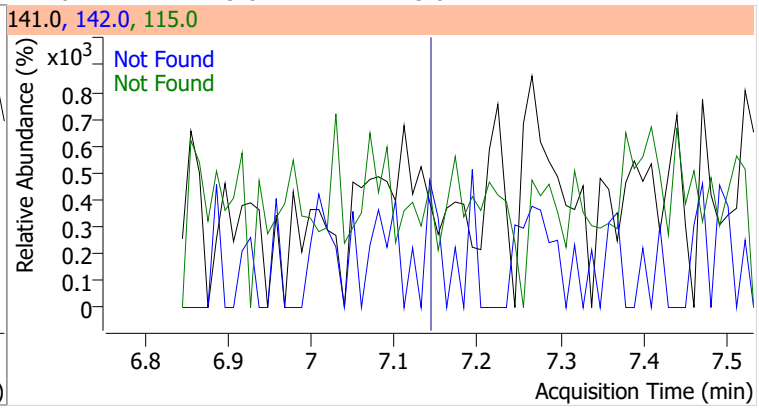
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



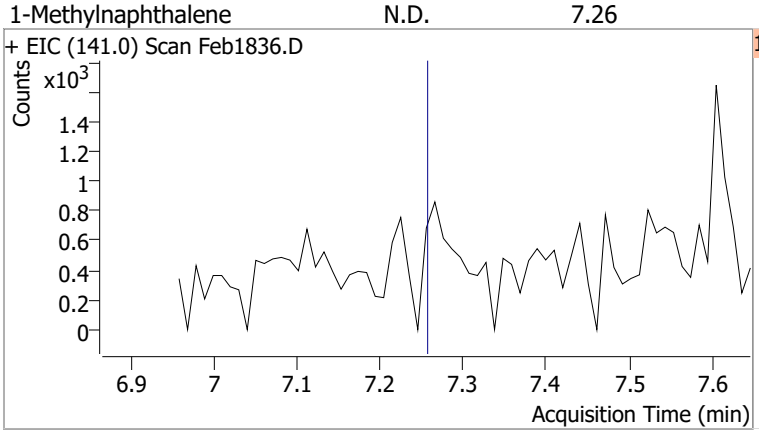


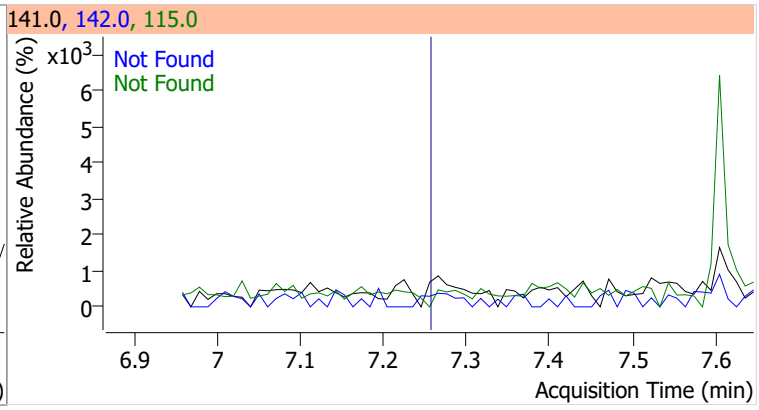
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



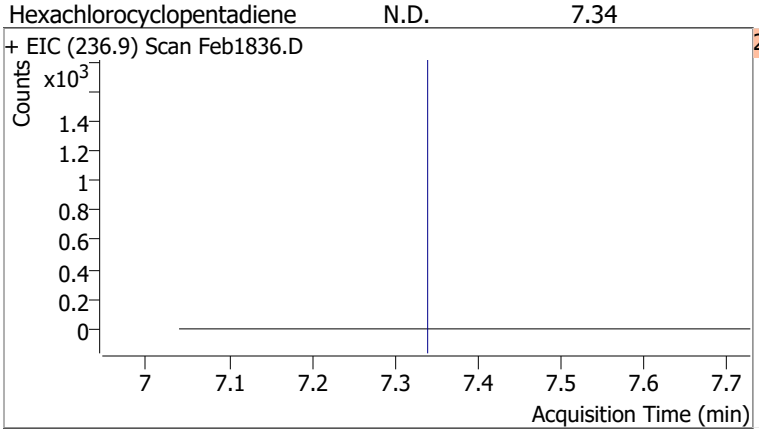


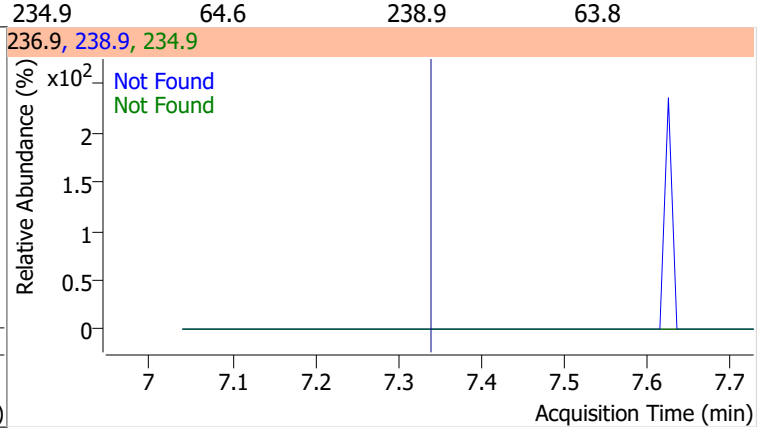
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



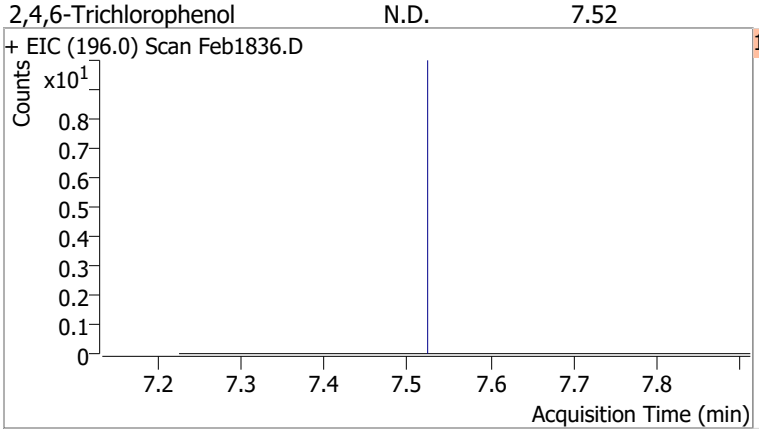


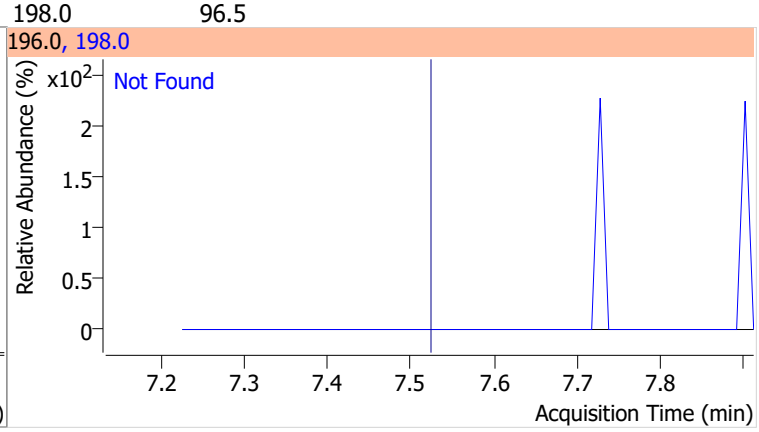
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



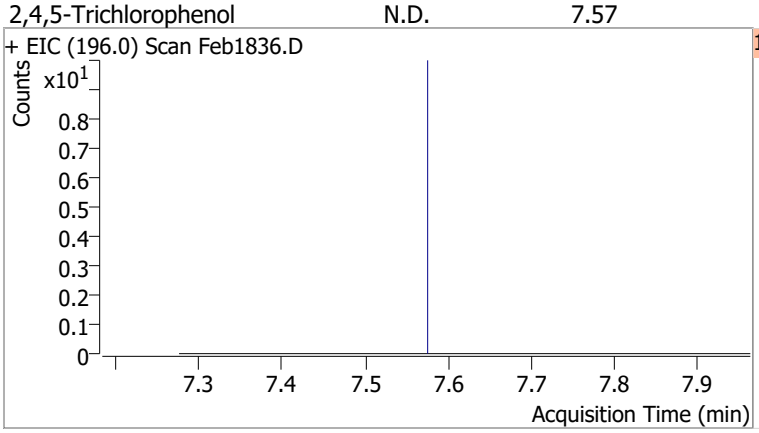


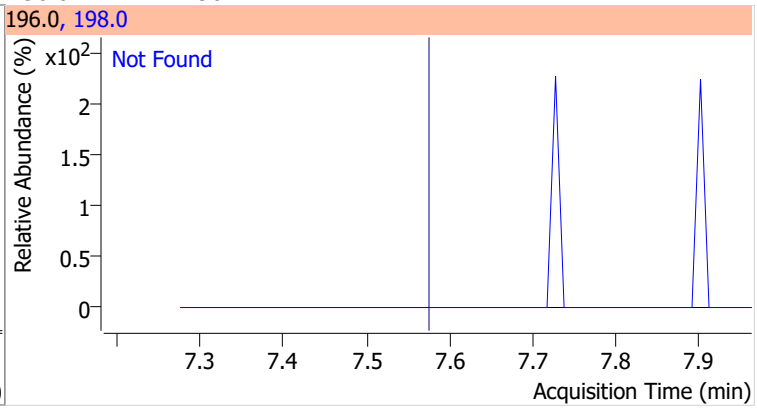
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



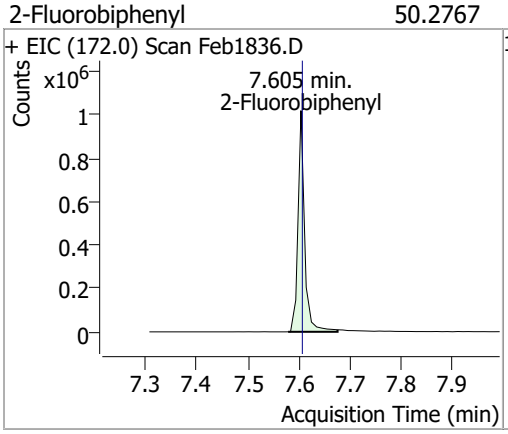


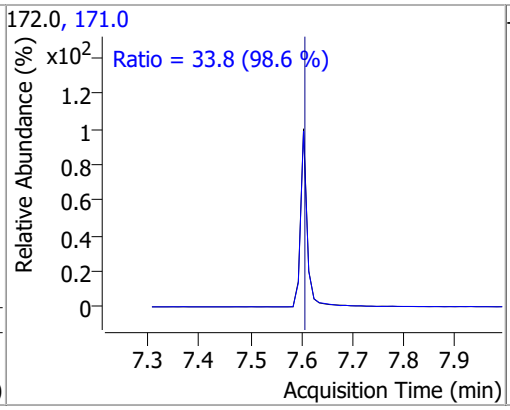
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

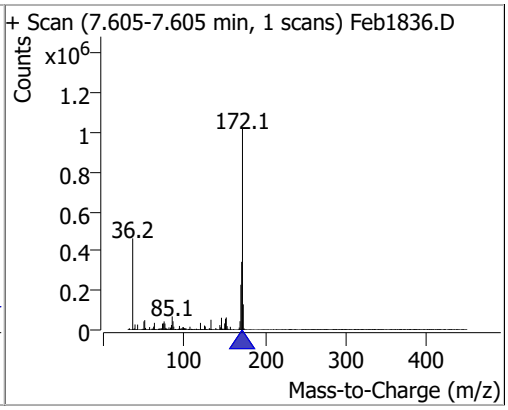




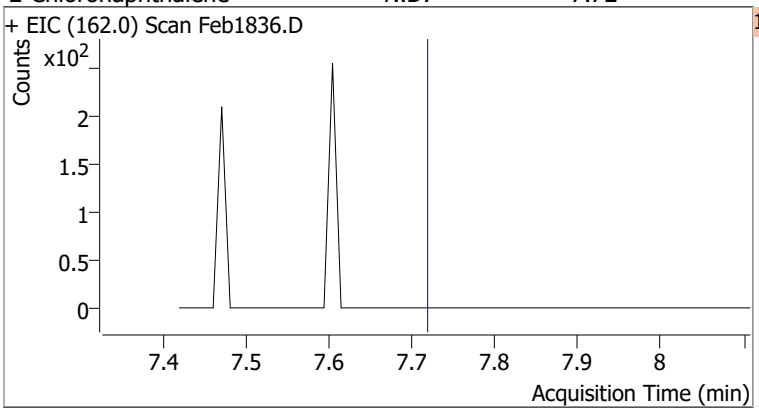
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	50.2767	7.60	0.00	914953	171.0	33.8	24.0	44.5

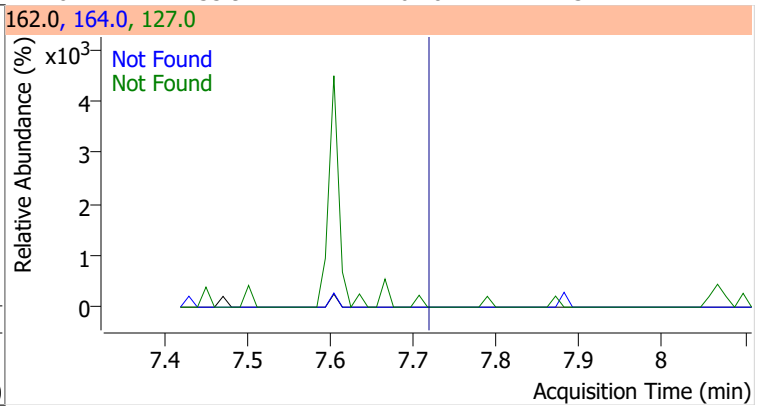




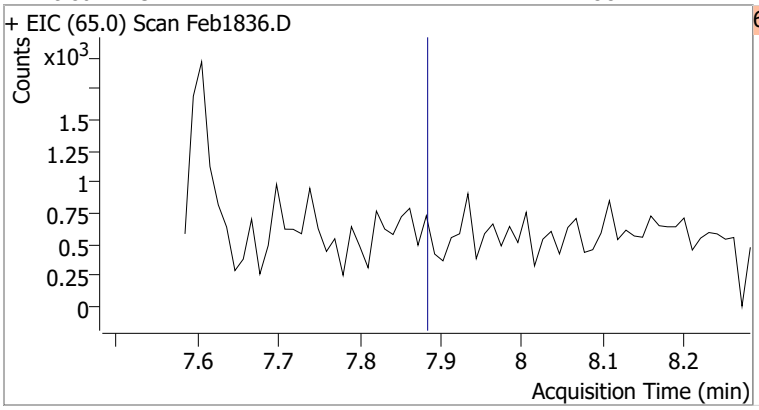


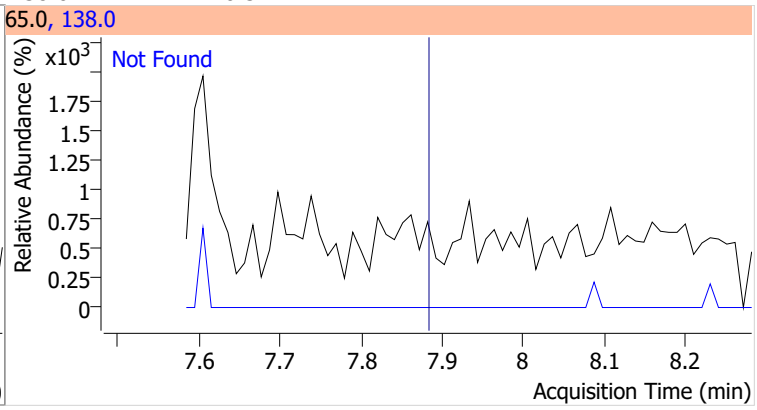
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



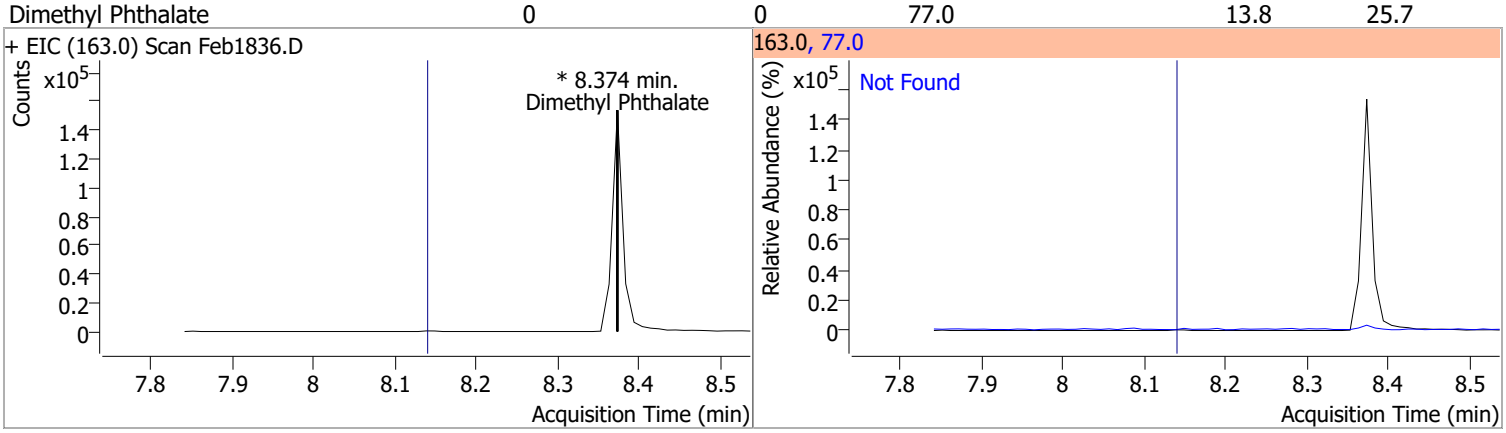


Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5

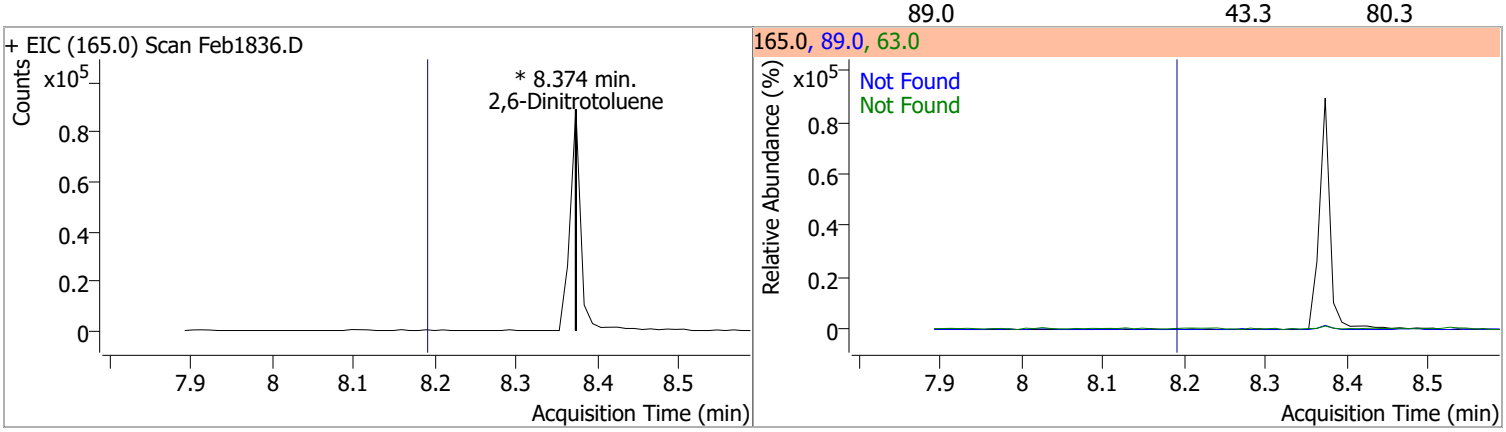




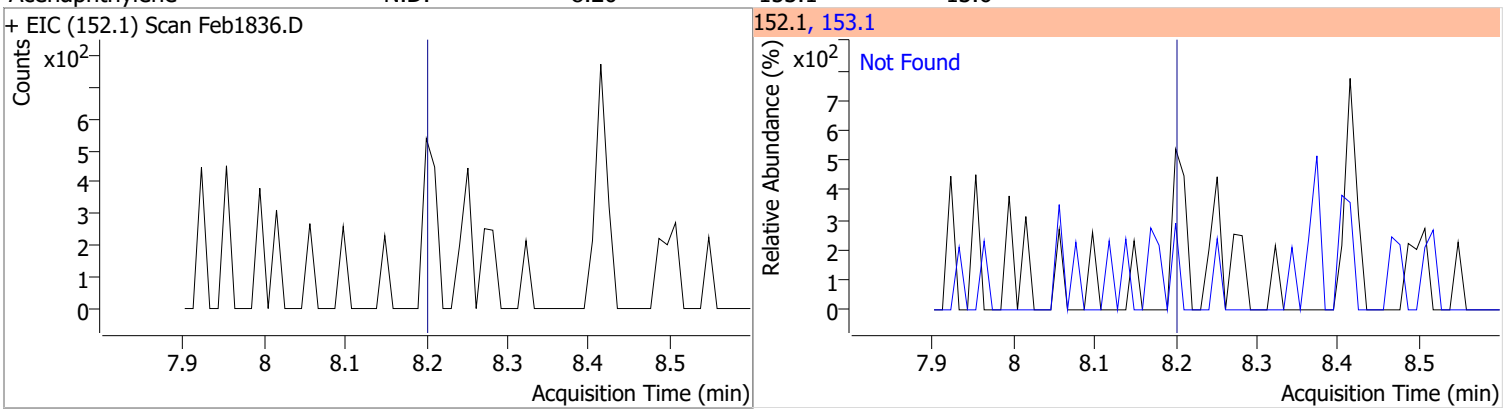
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



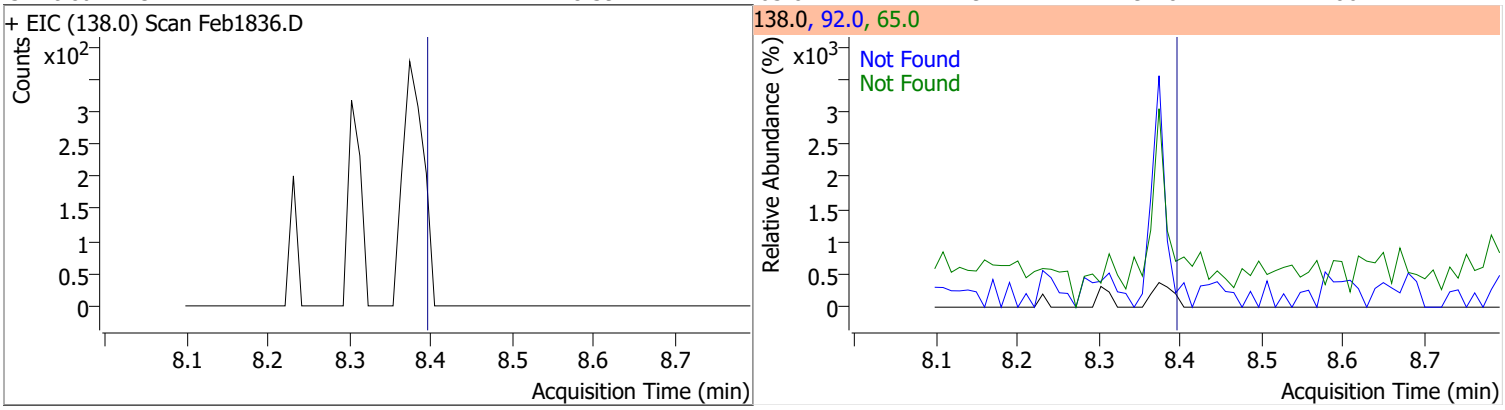
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



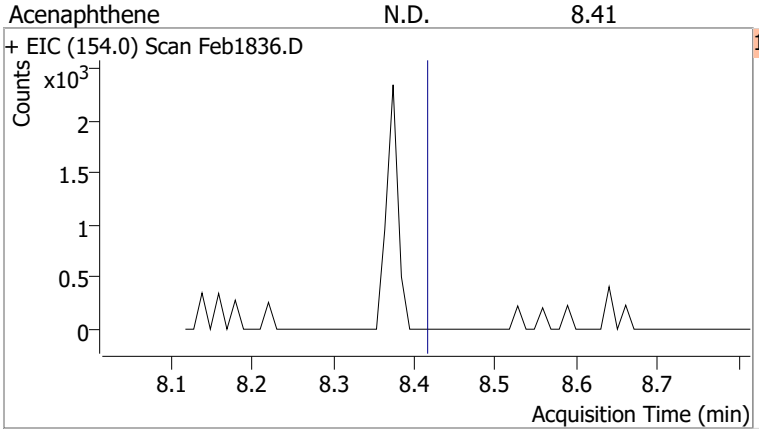
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6

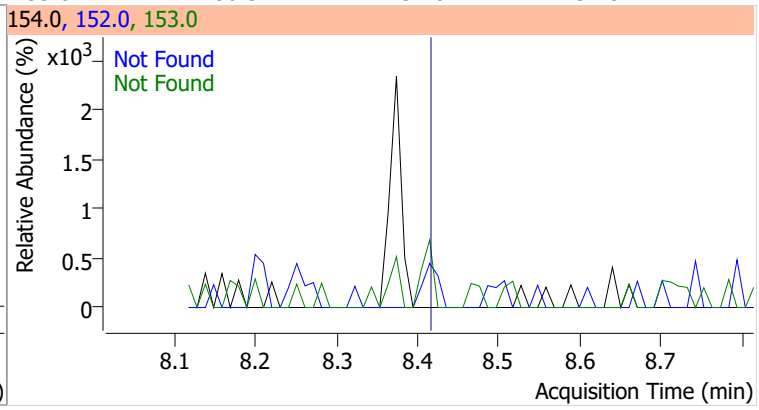


Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7

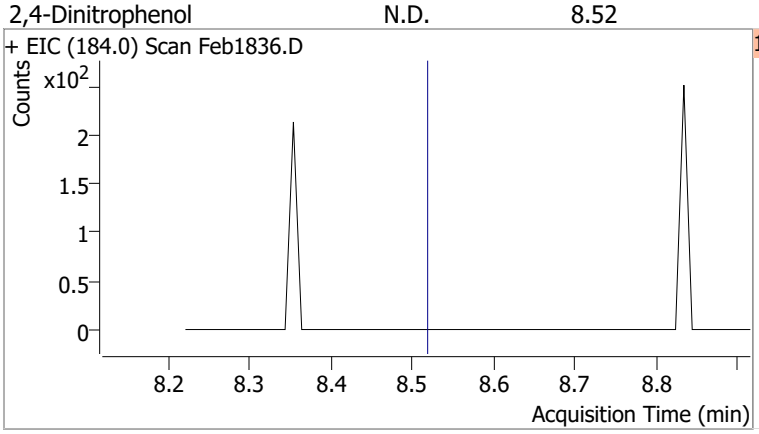


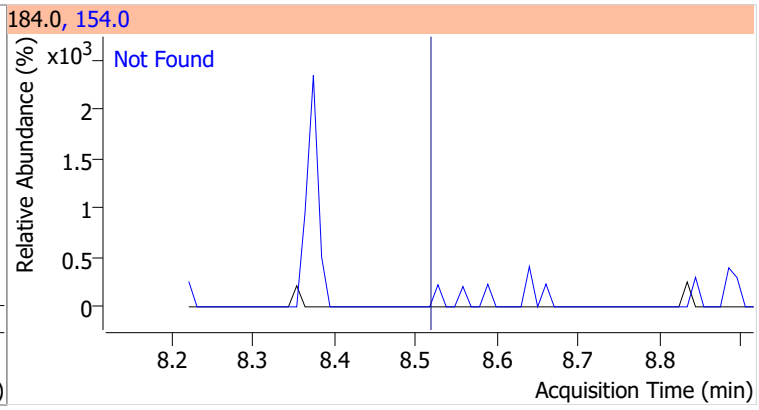
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



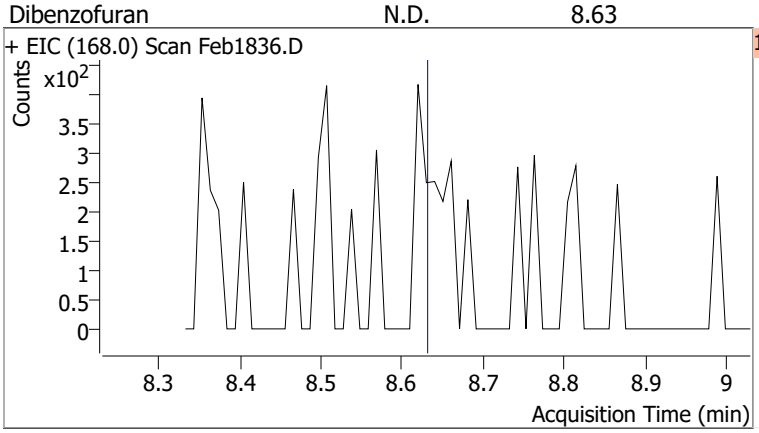


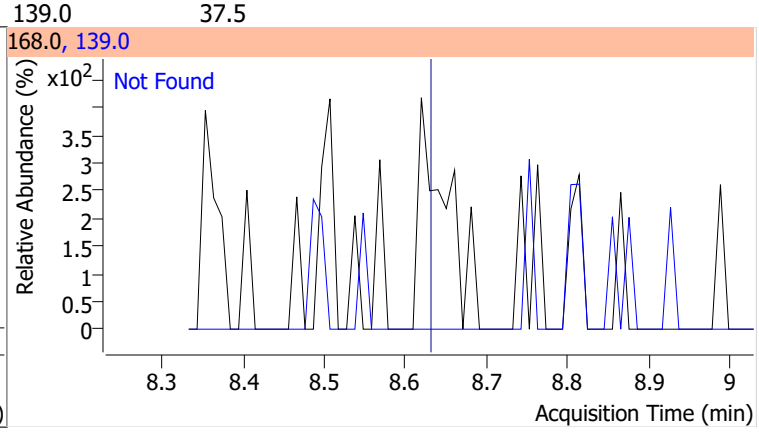
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



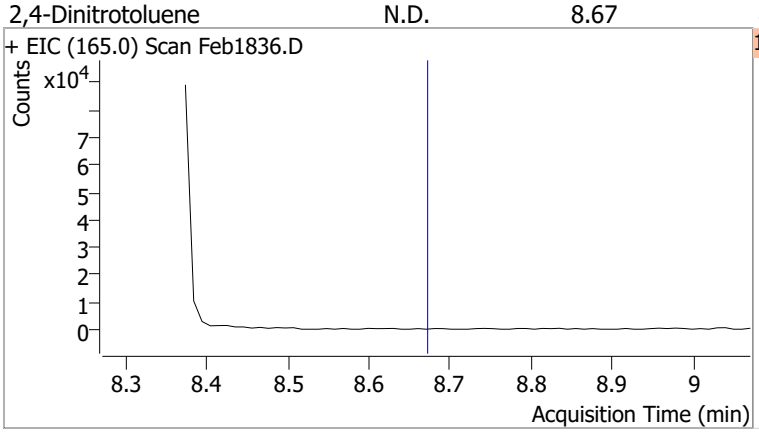


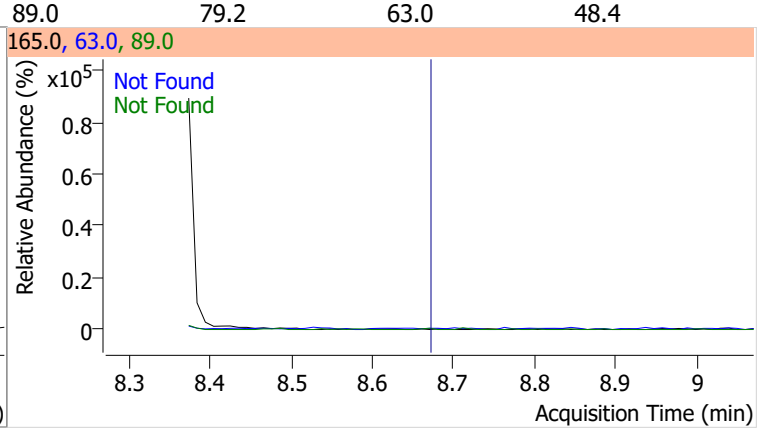
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



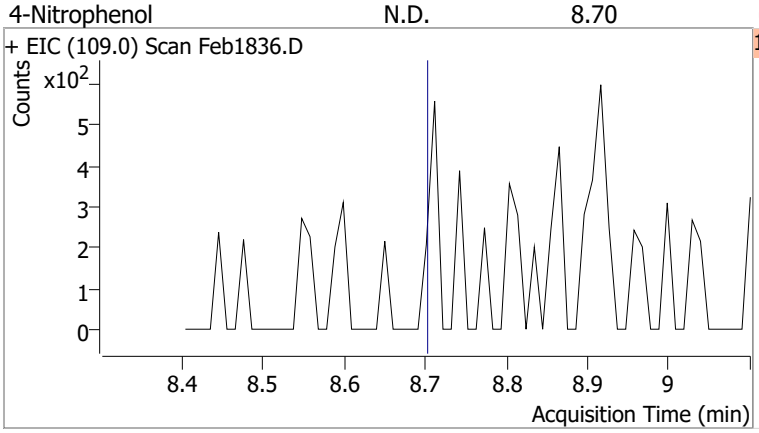


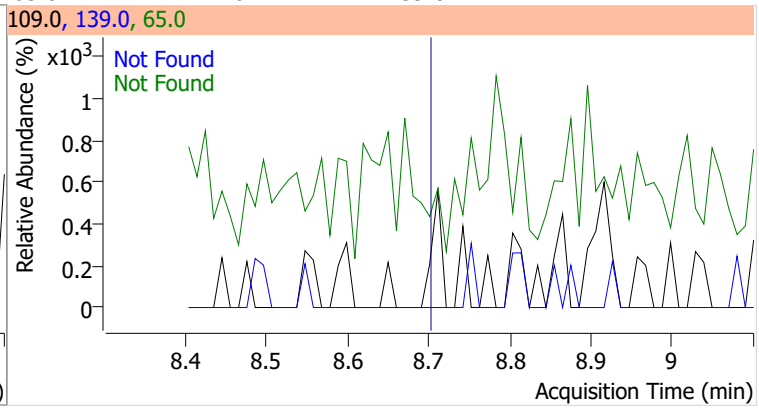
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



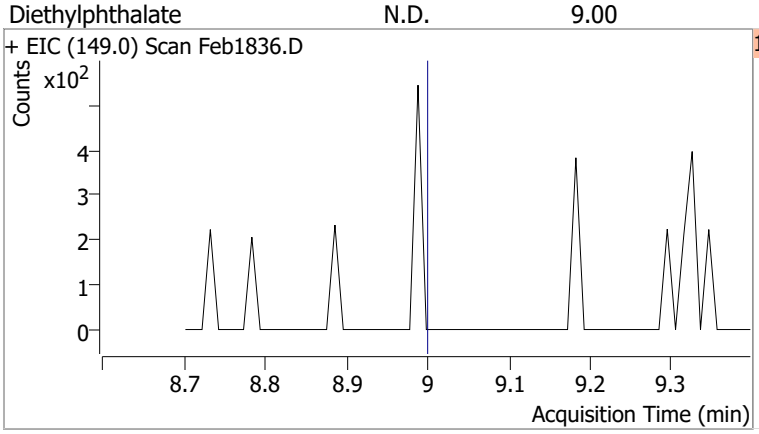


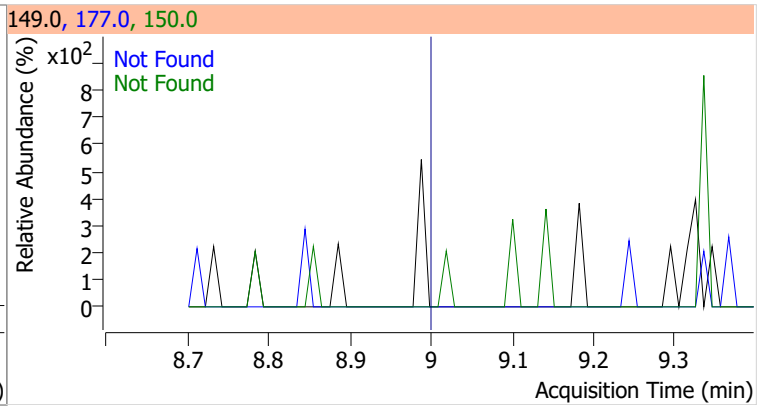
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



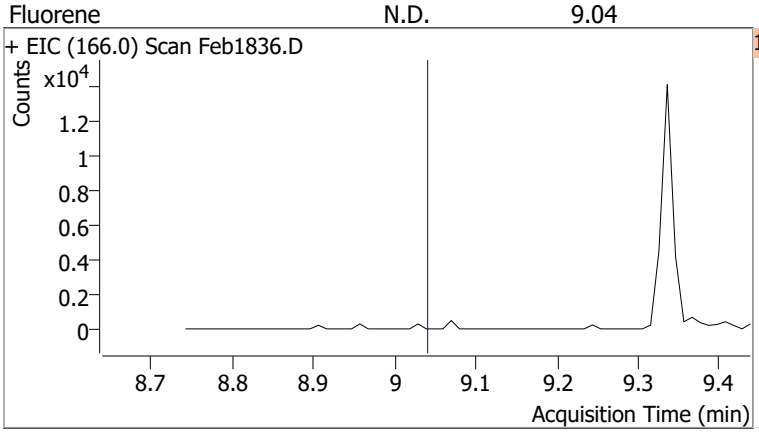


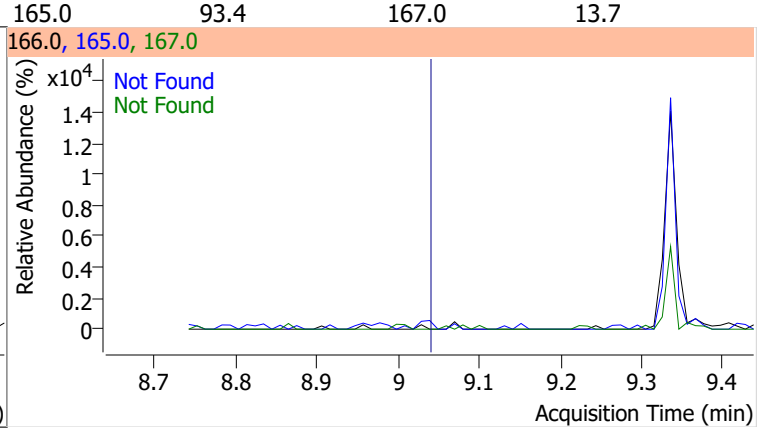
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



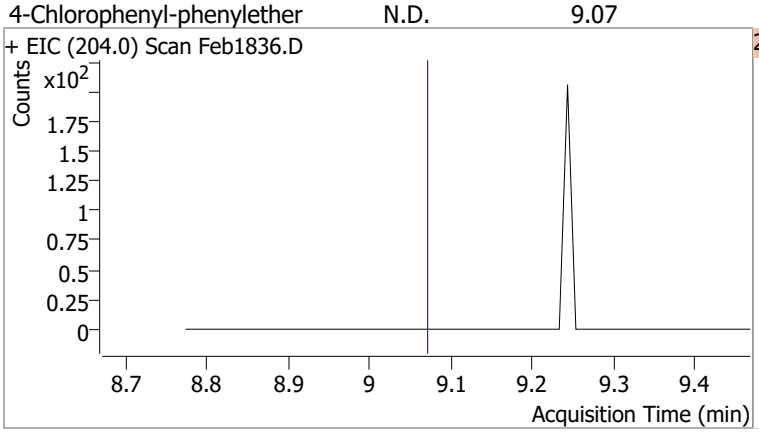


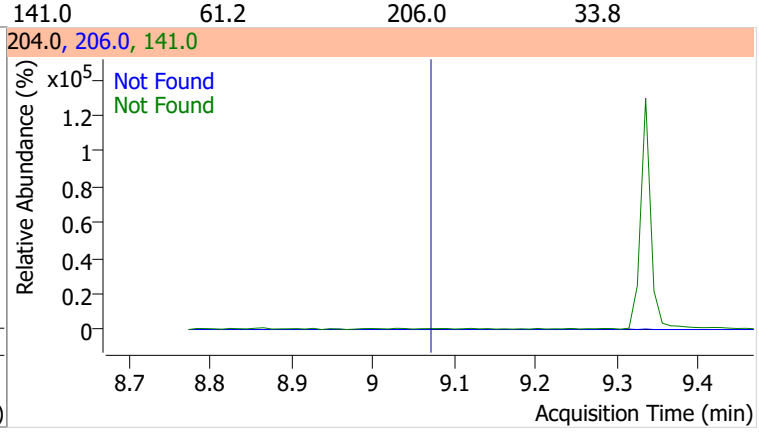
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



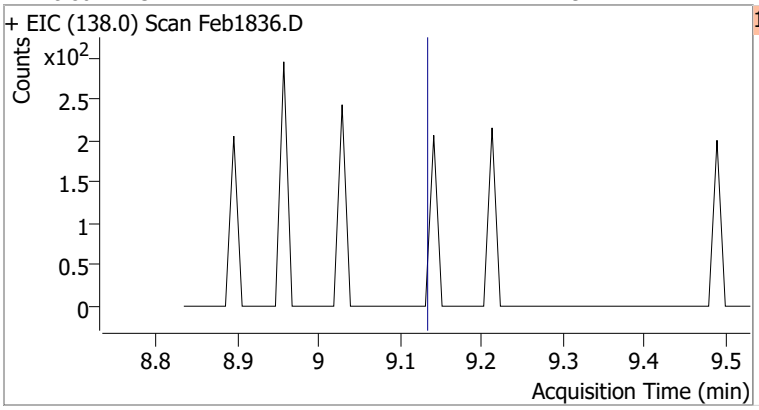


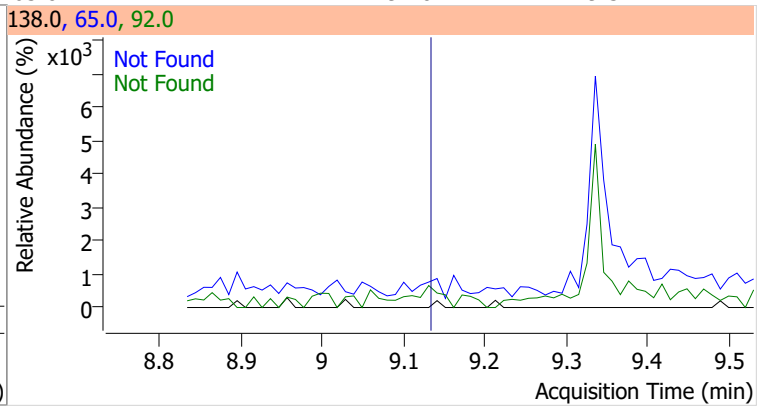
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



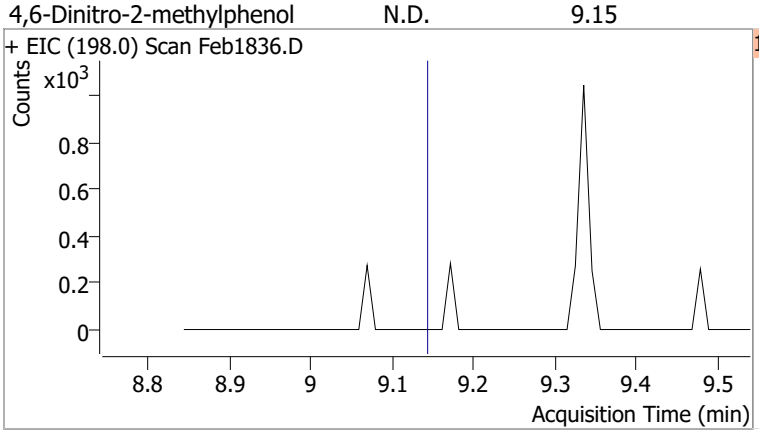


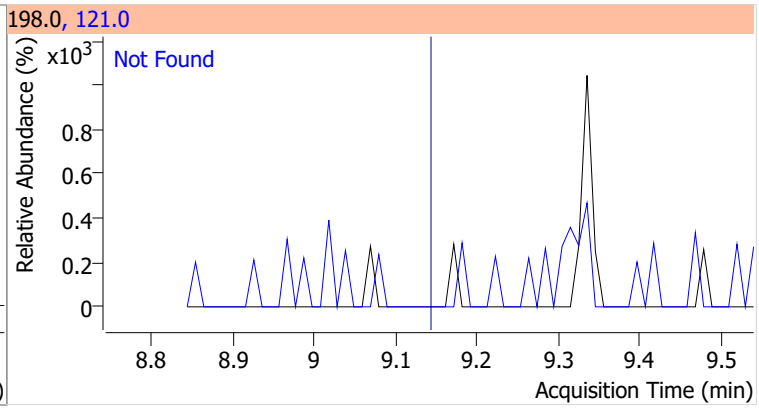
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



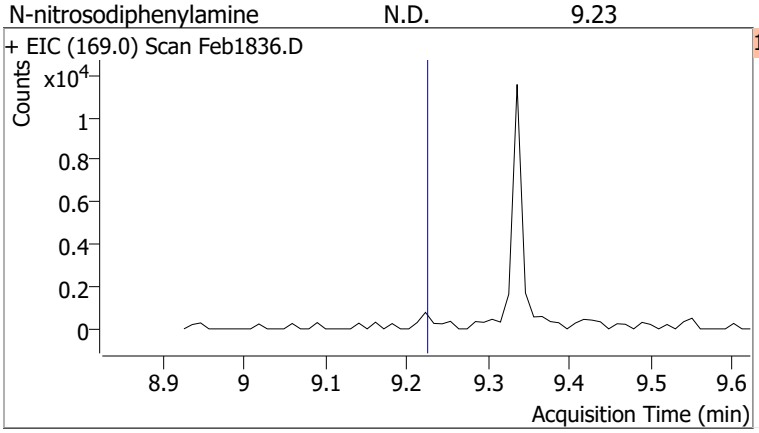


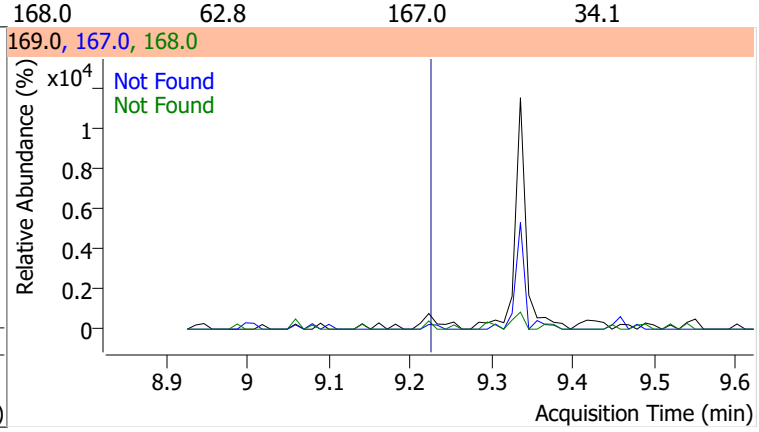
Compound	Conc.	Exp RT	QIon	Exp Ratio
4,6-Dinitro-2-methylphenol	N.D.	9.15	121.0	50.2



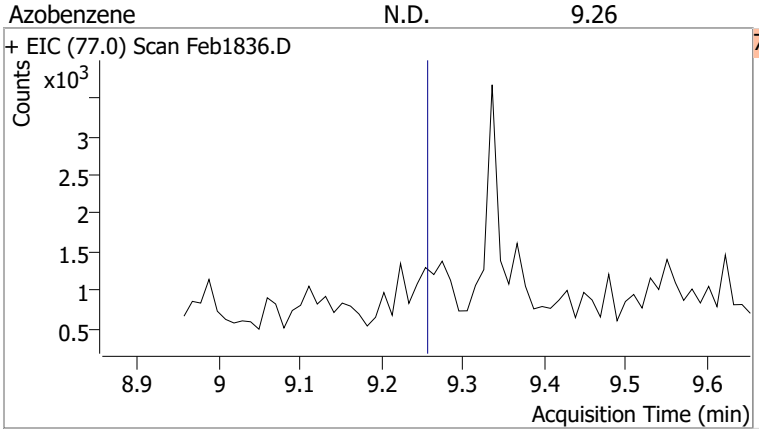


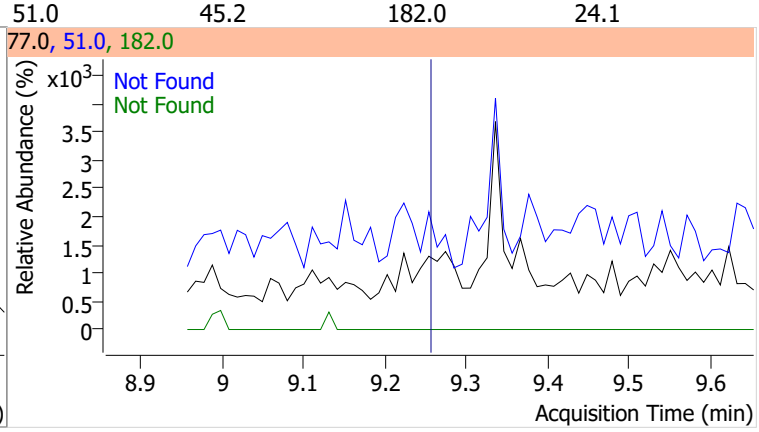
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



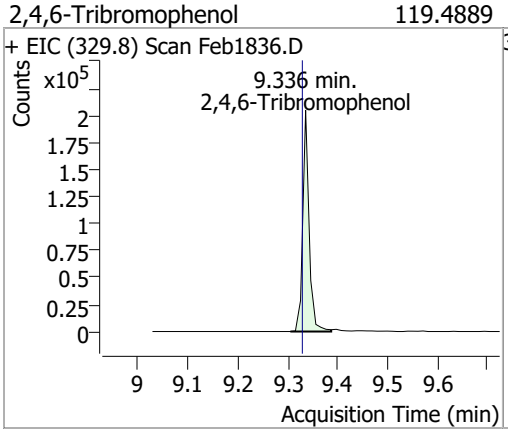


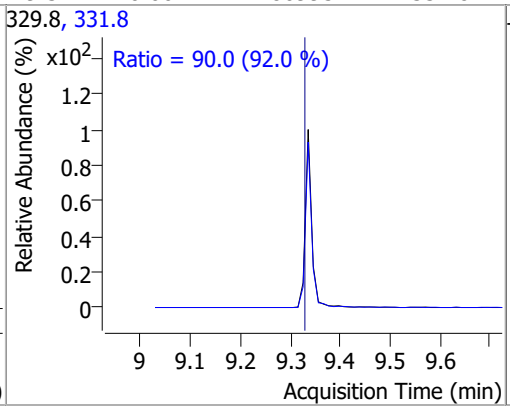
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

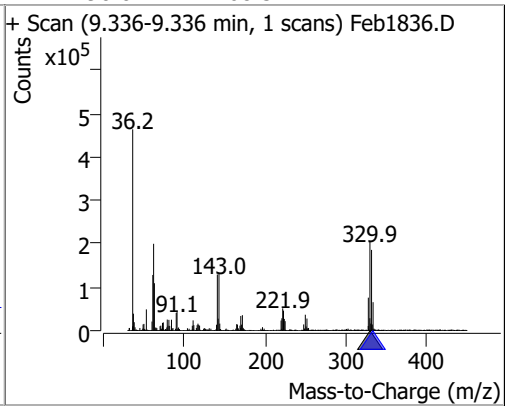




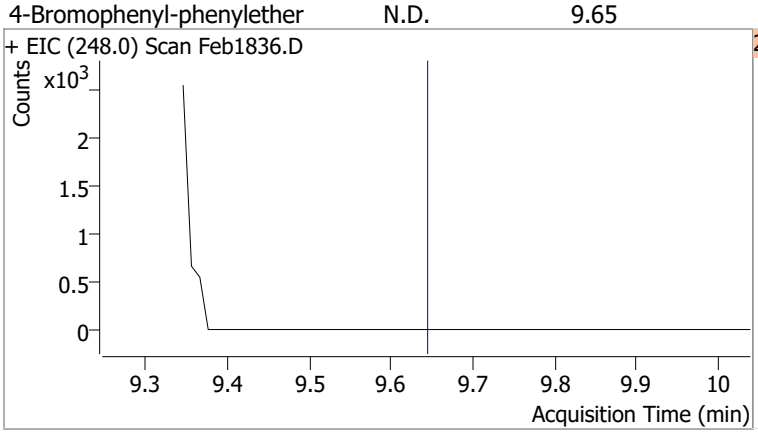
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	119.4889	9.34	0.00	180995	331.8	90.0	68.5	127.2

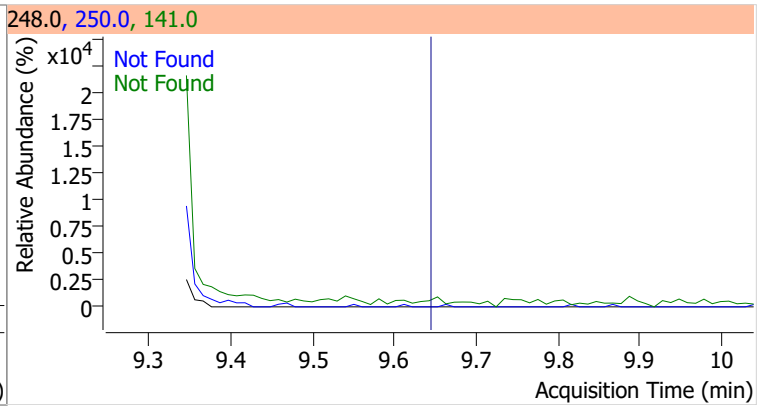




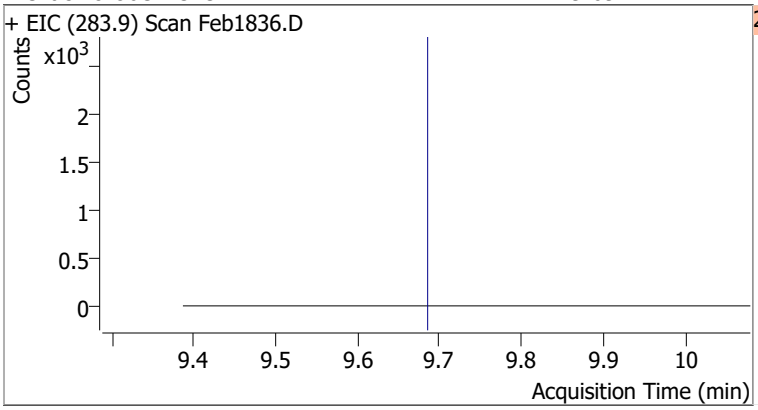


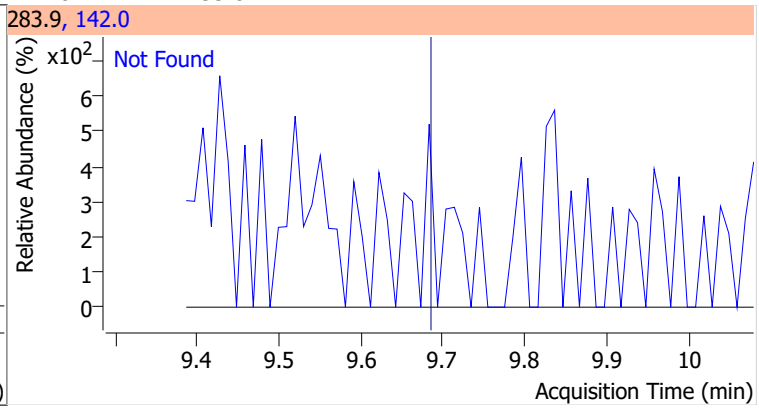
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



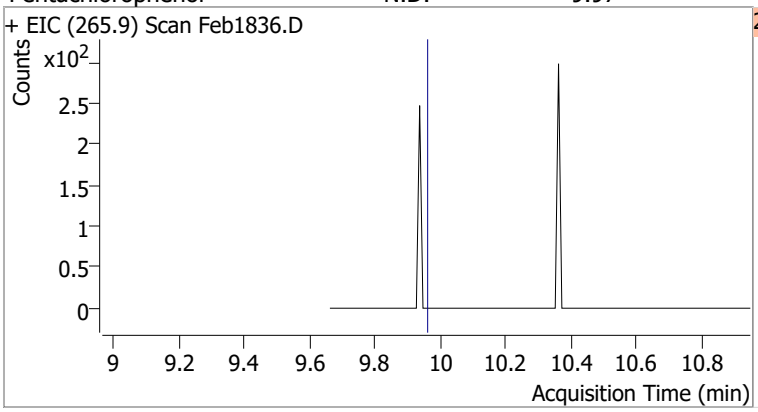


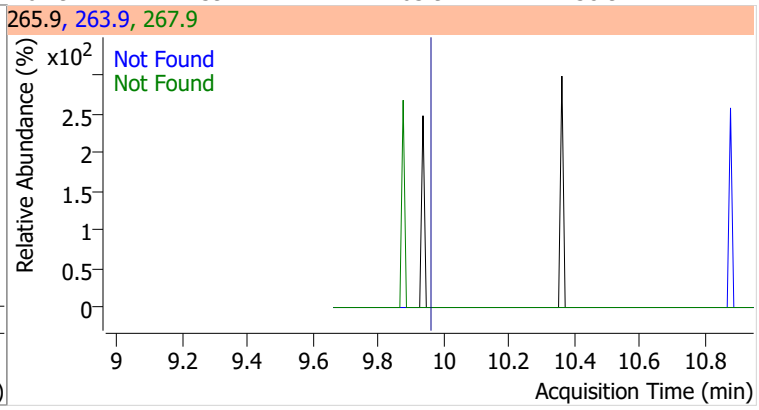
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



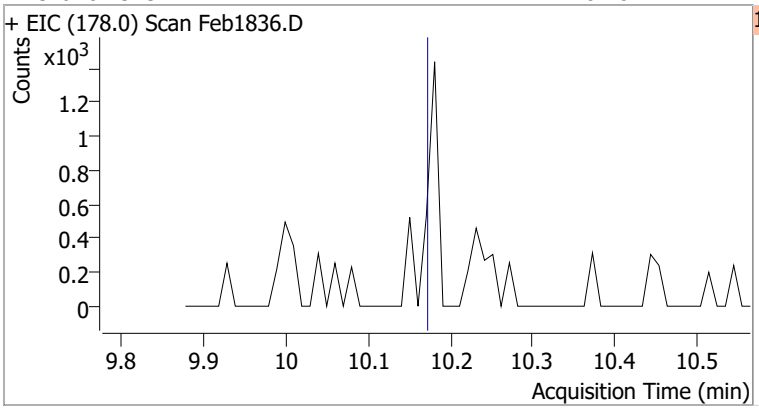


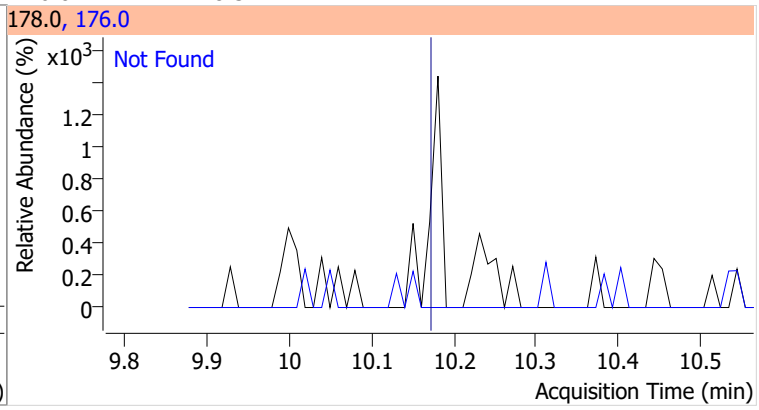
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



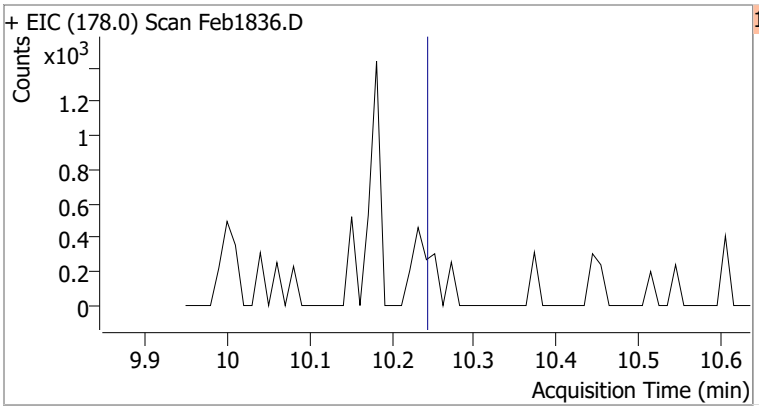


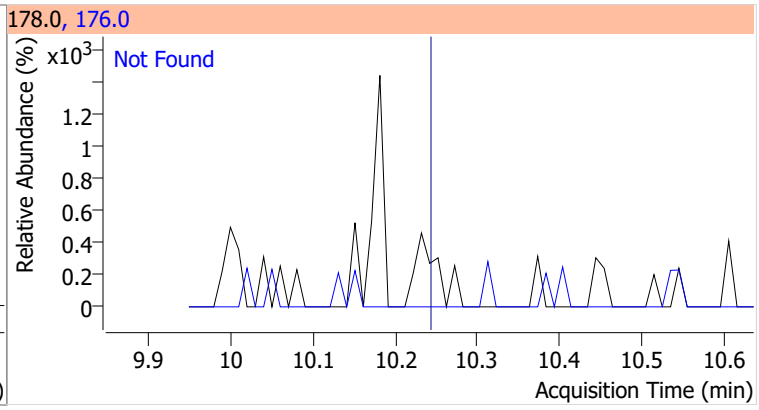
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



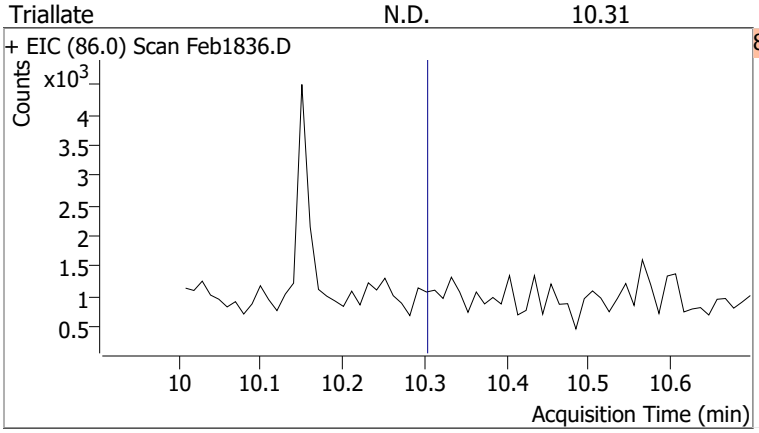


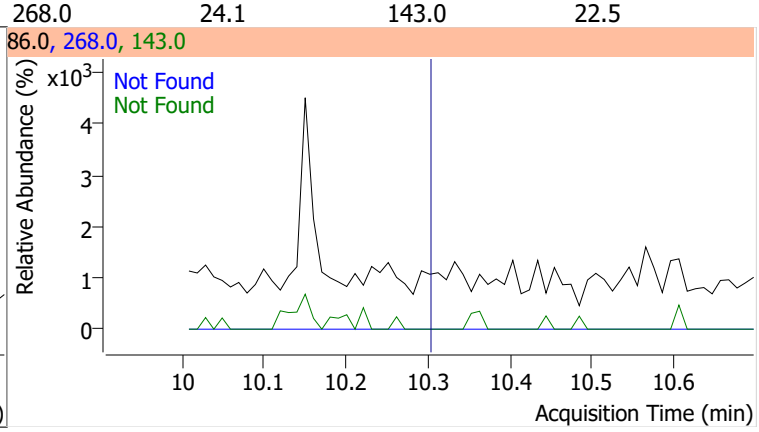
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



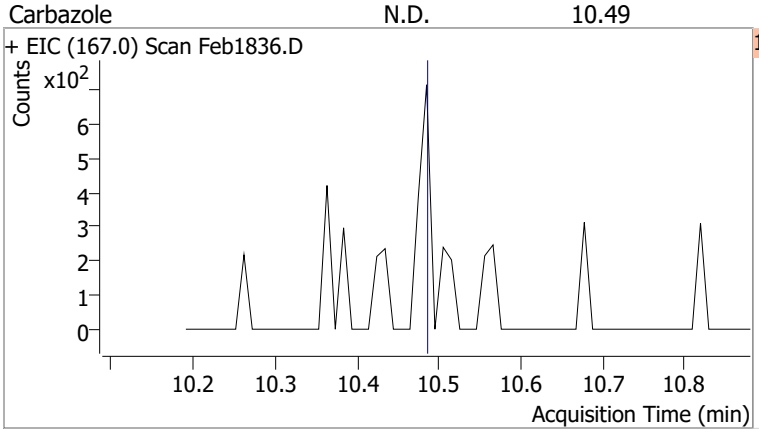


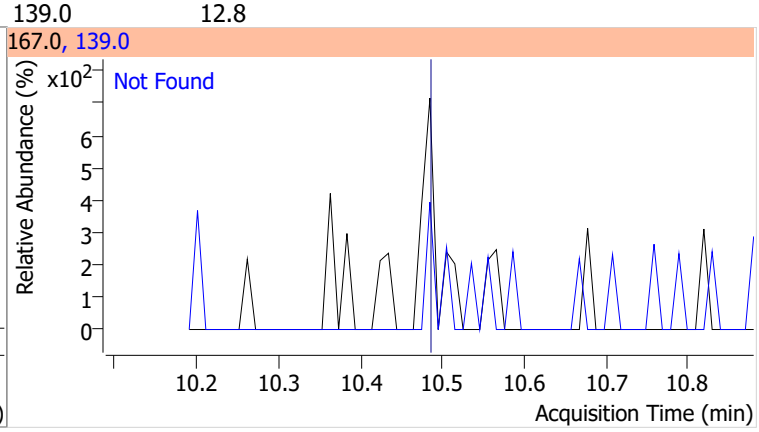
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



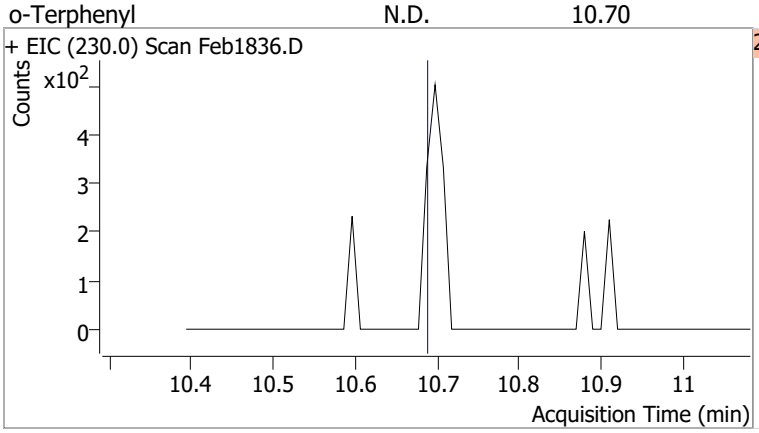


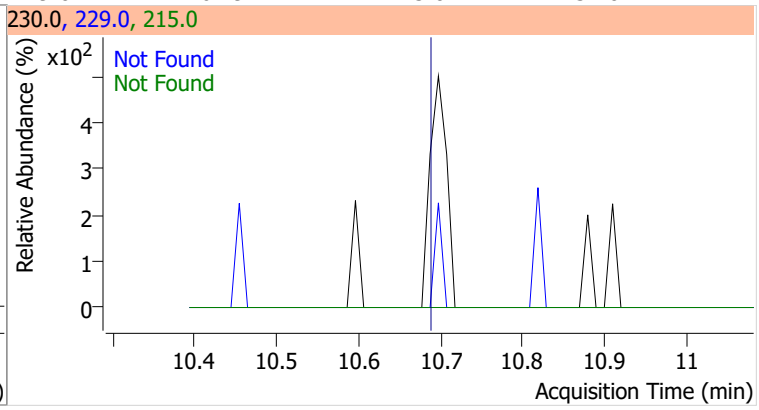
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



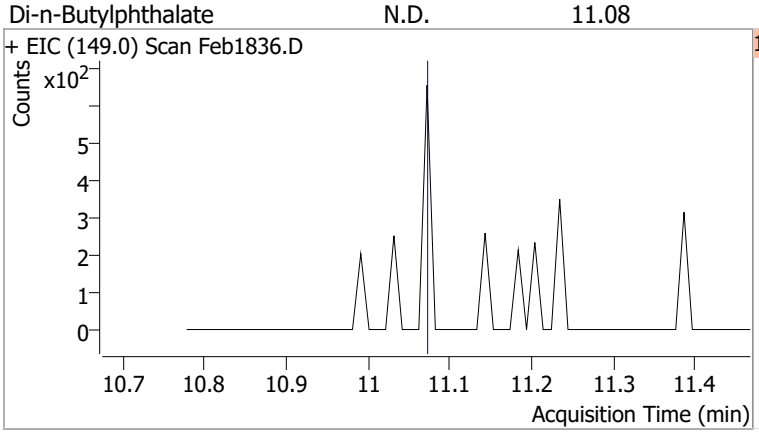


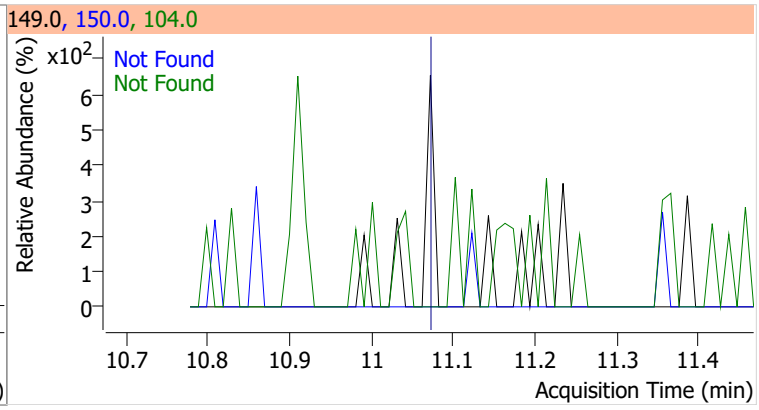
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



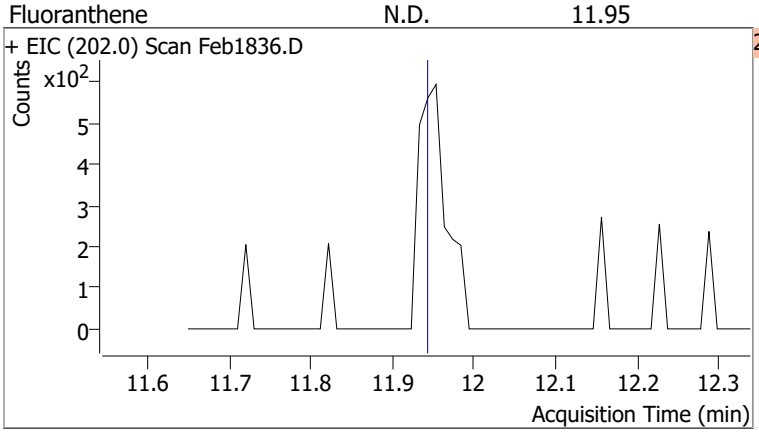


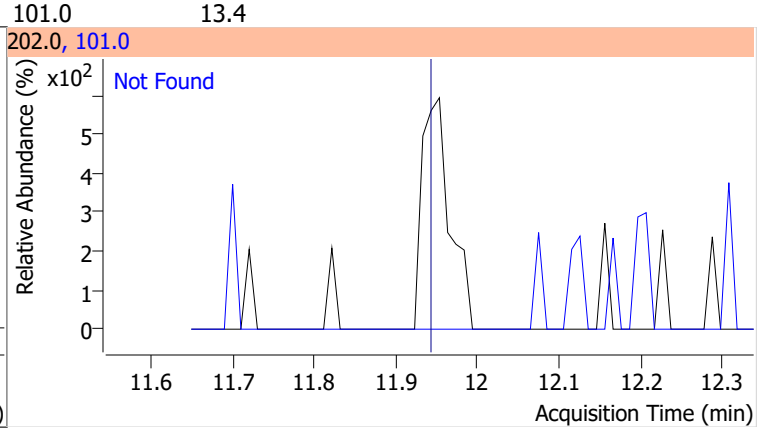
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



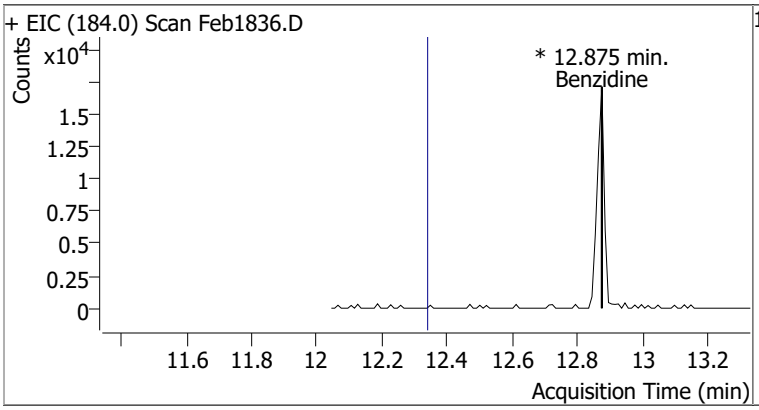


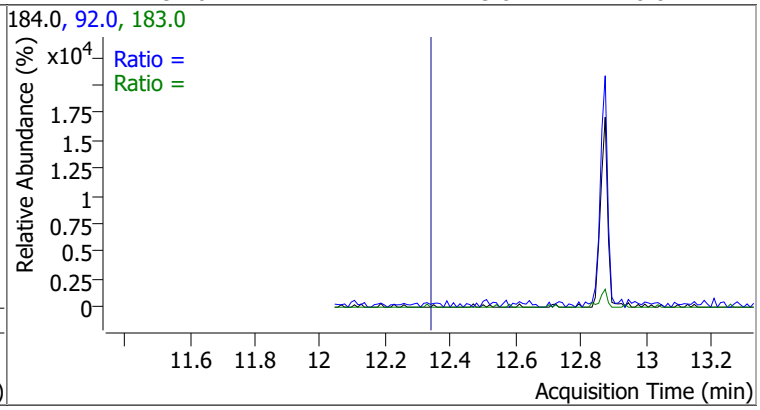
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



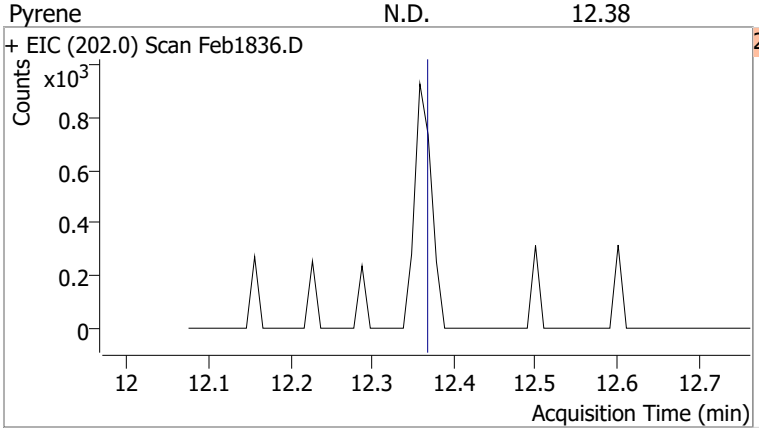


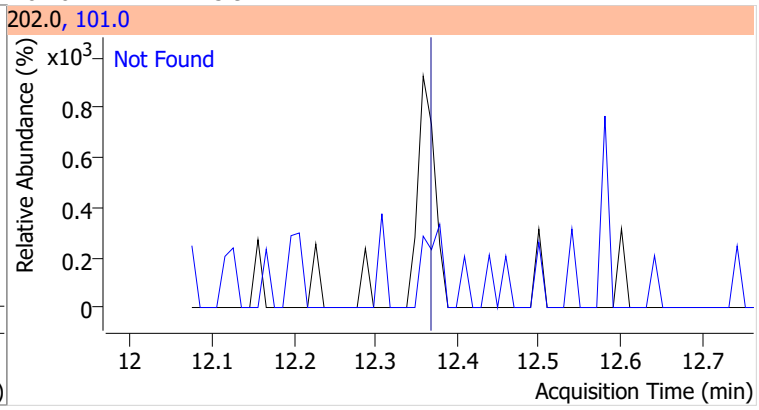
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



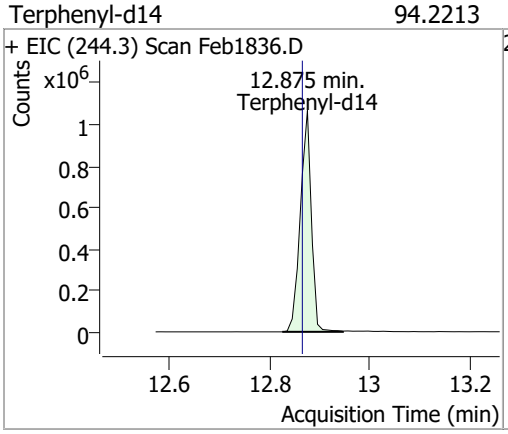


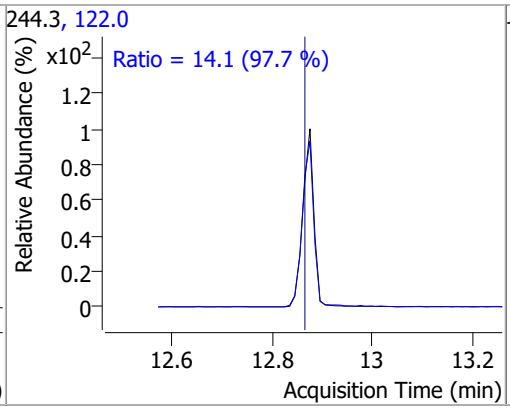
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

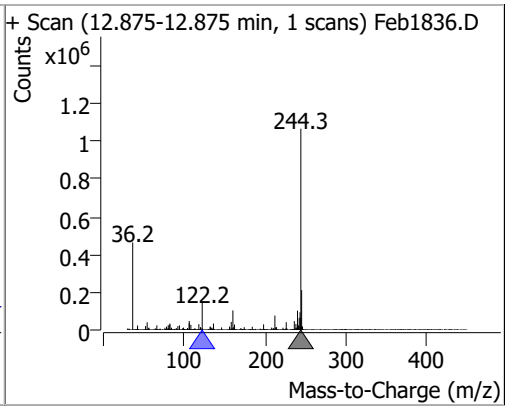




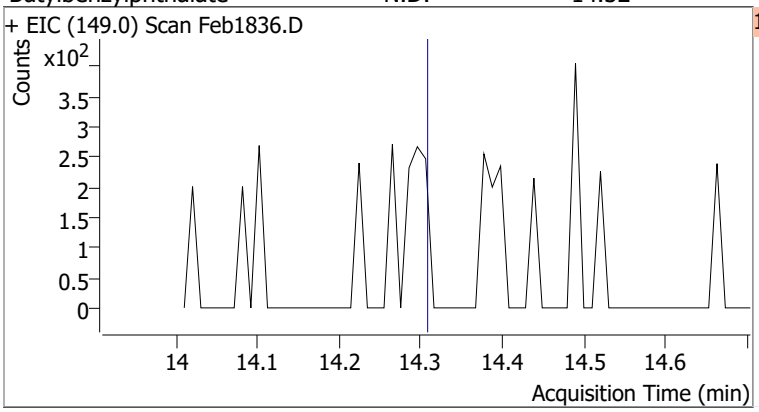
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	94.2213	12.88	0.00	1633574	122.0	14.1	10.1	18.7

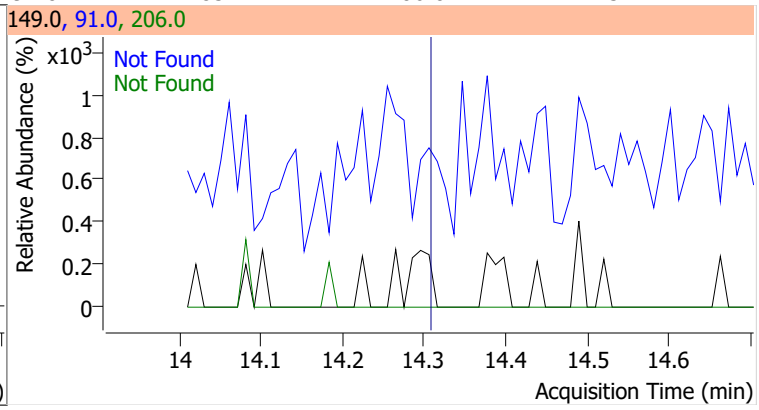




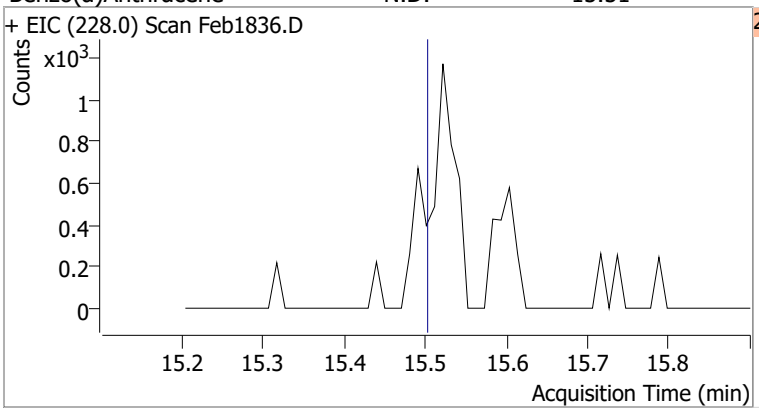


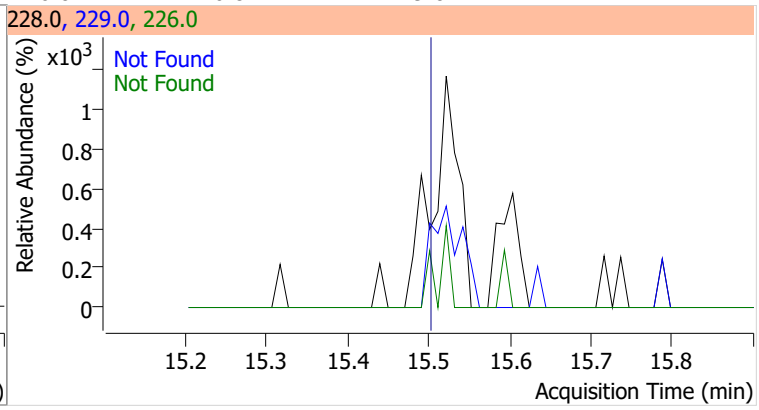
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



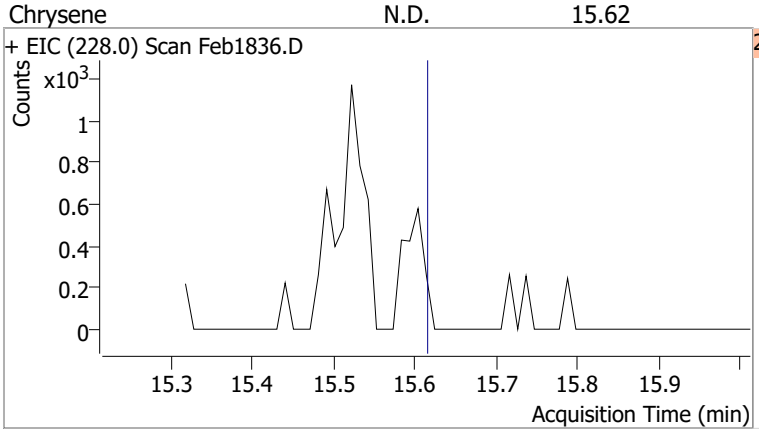


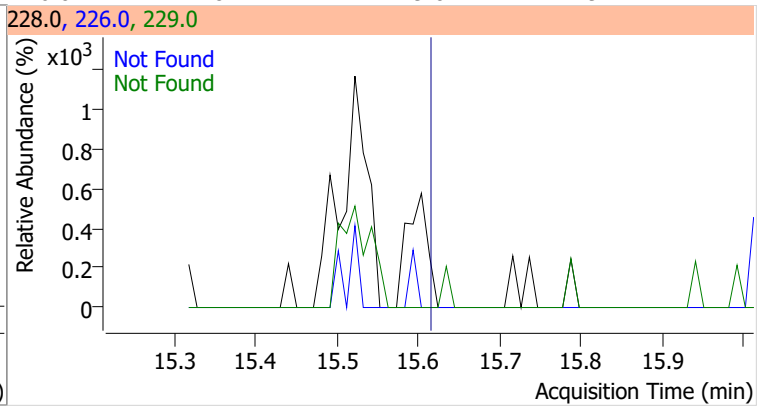
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



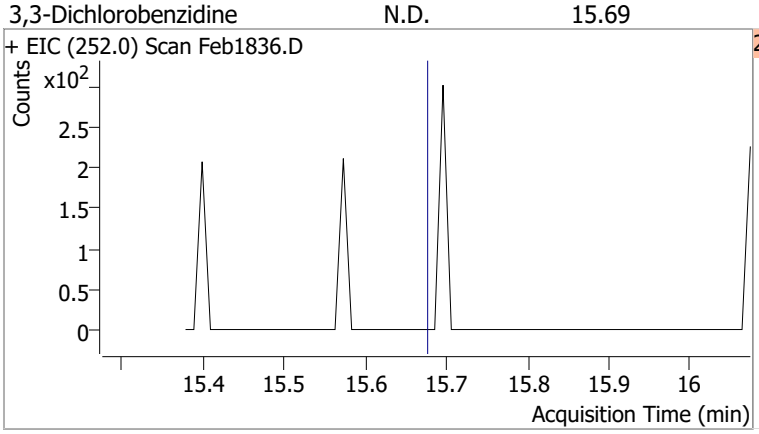


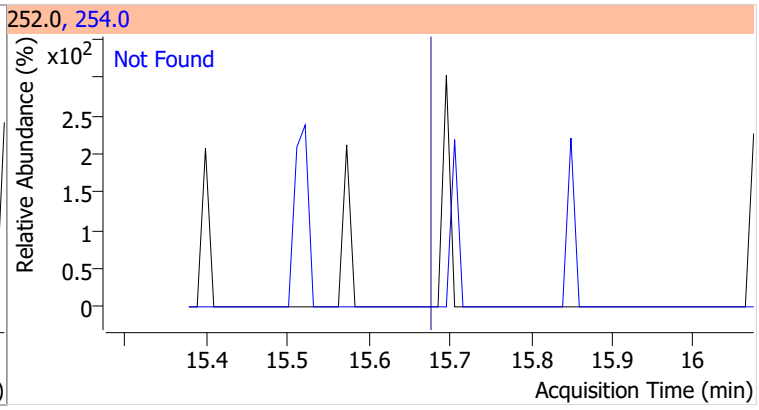
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



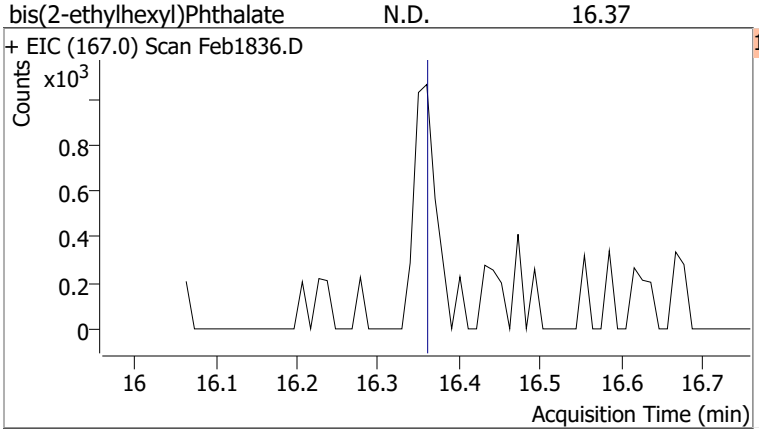


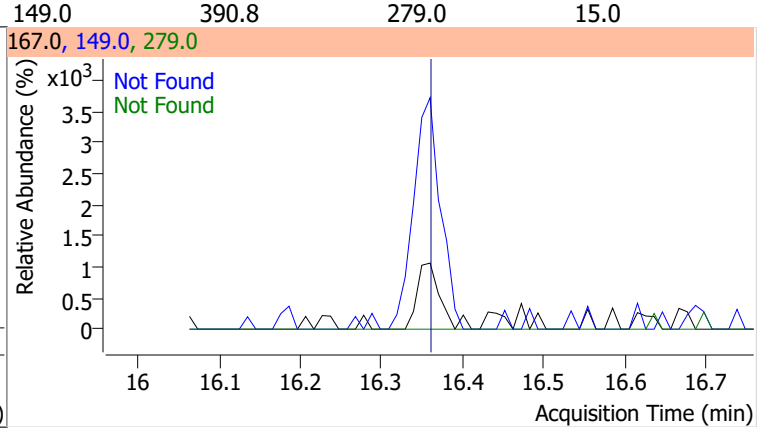
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



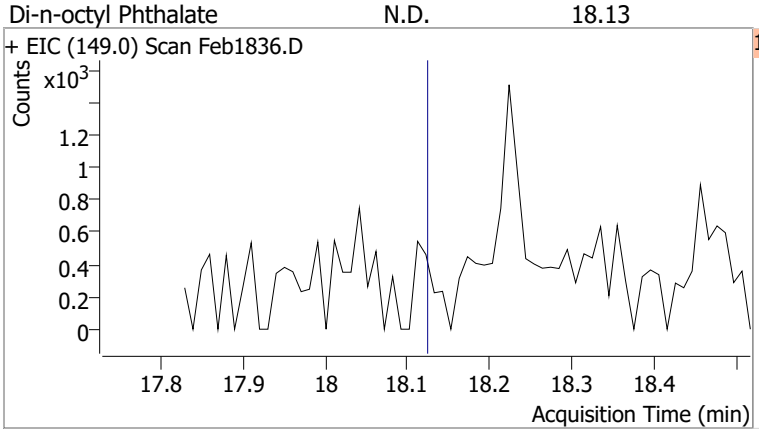


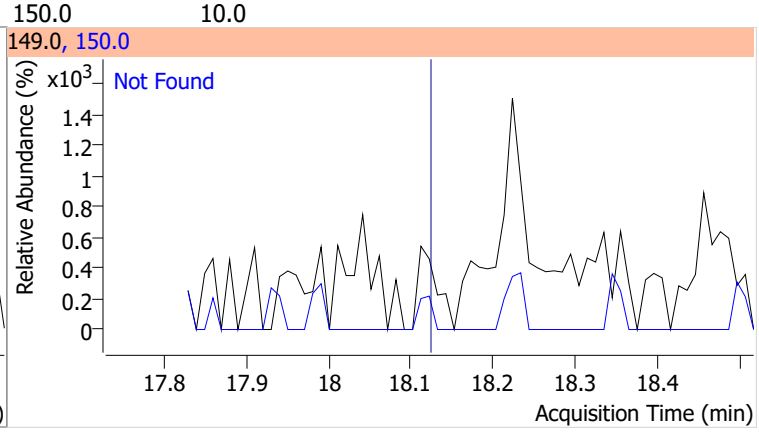
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



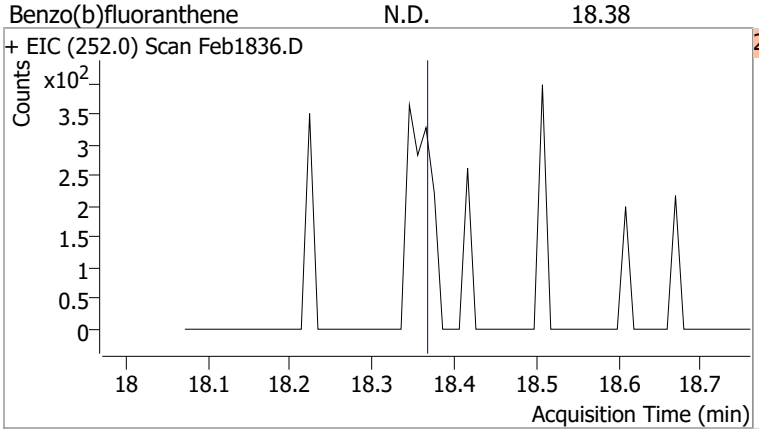


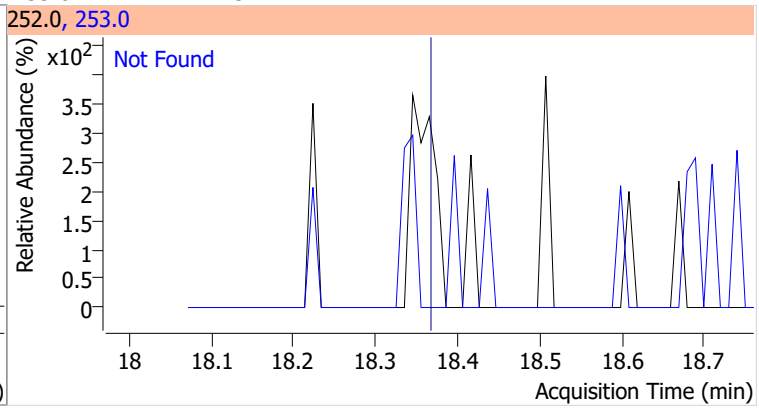
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



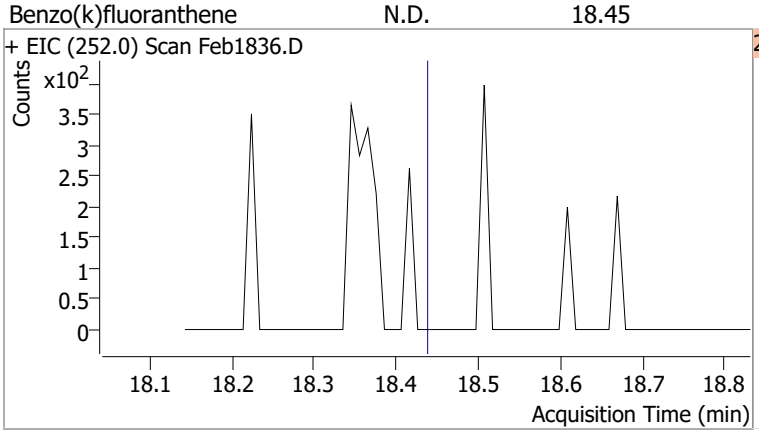


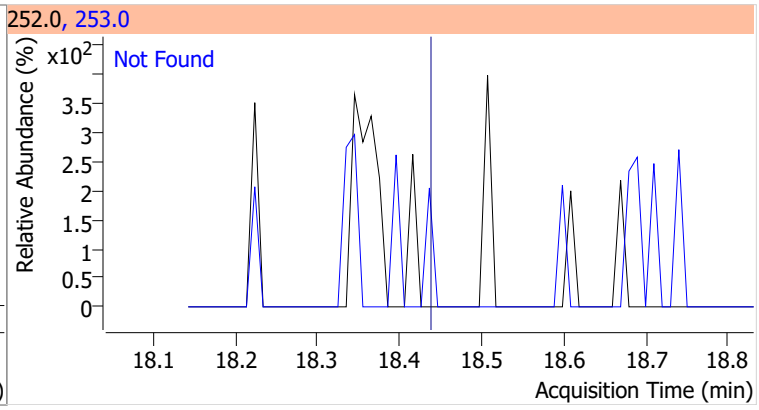
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



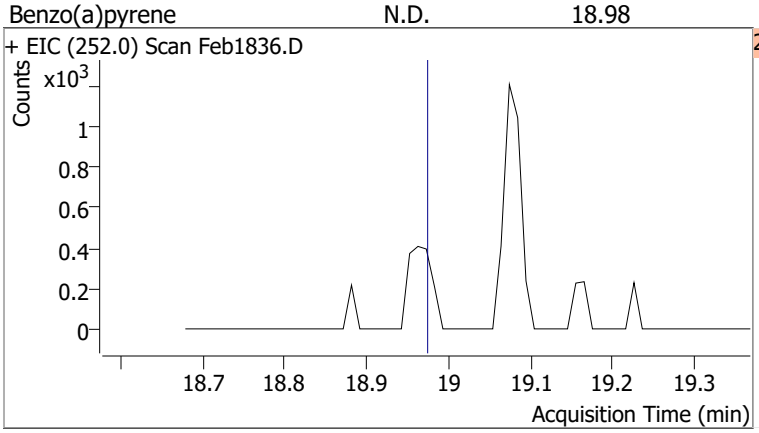


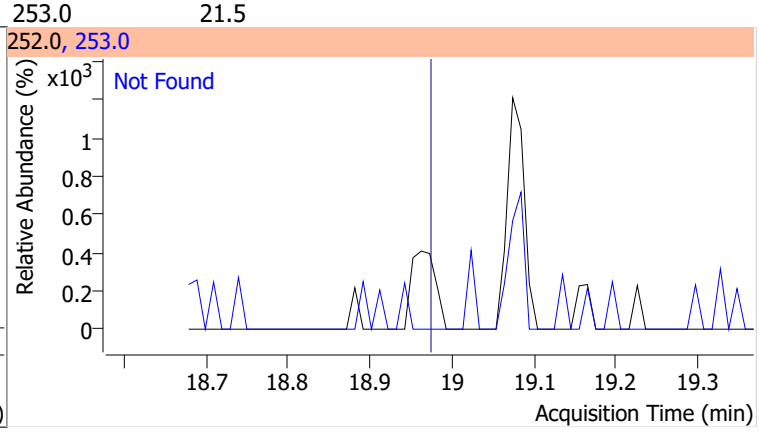
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



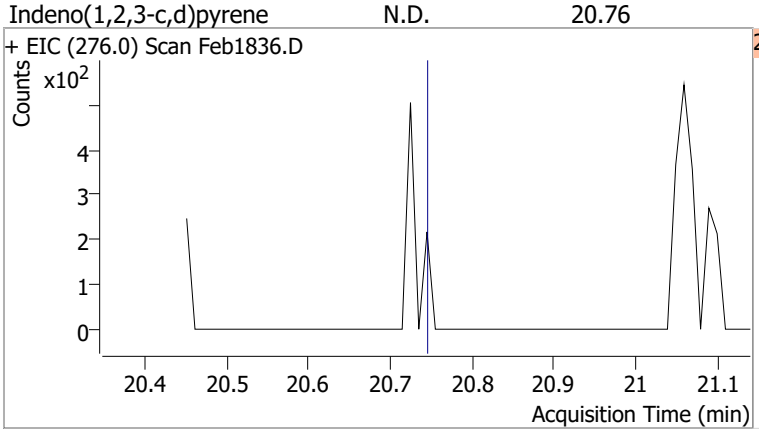


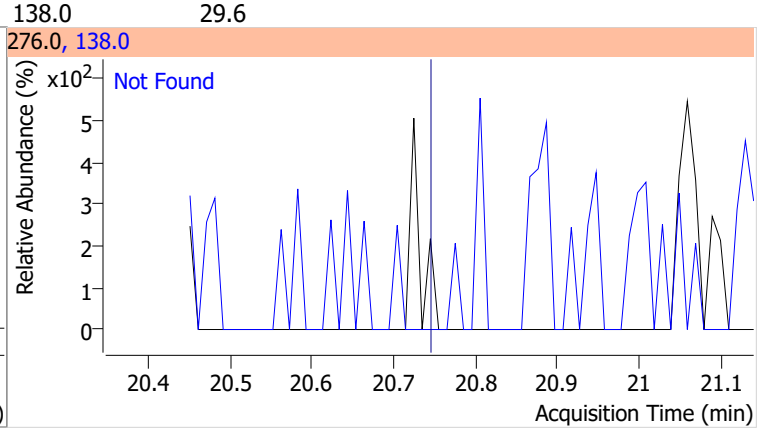
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



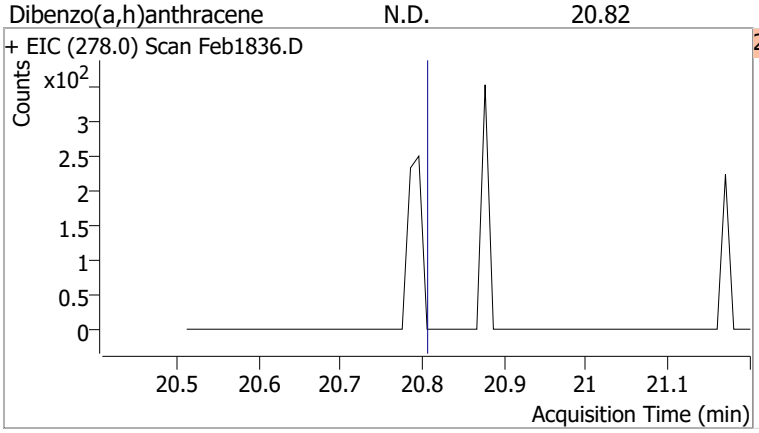


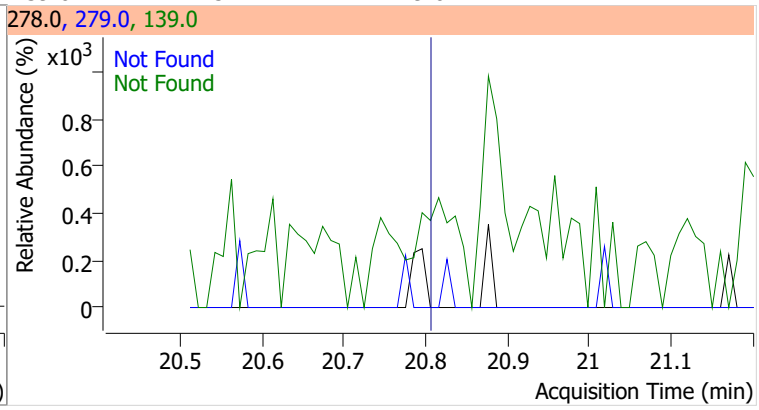
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



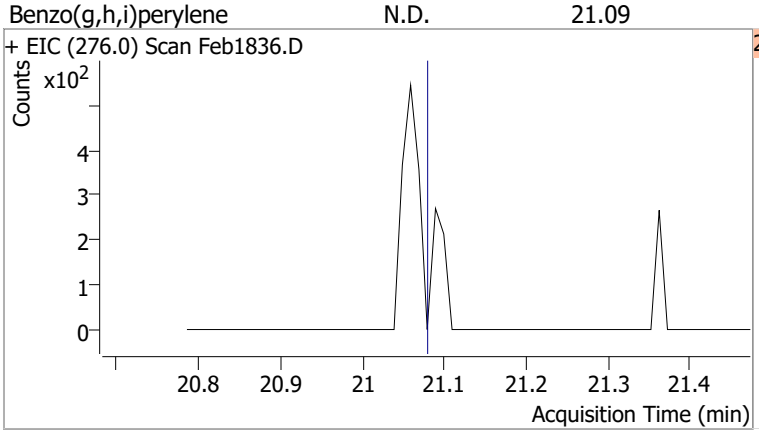


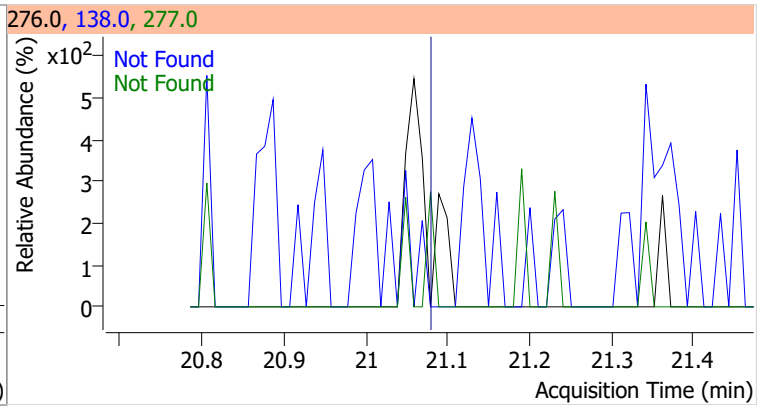
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





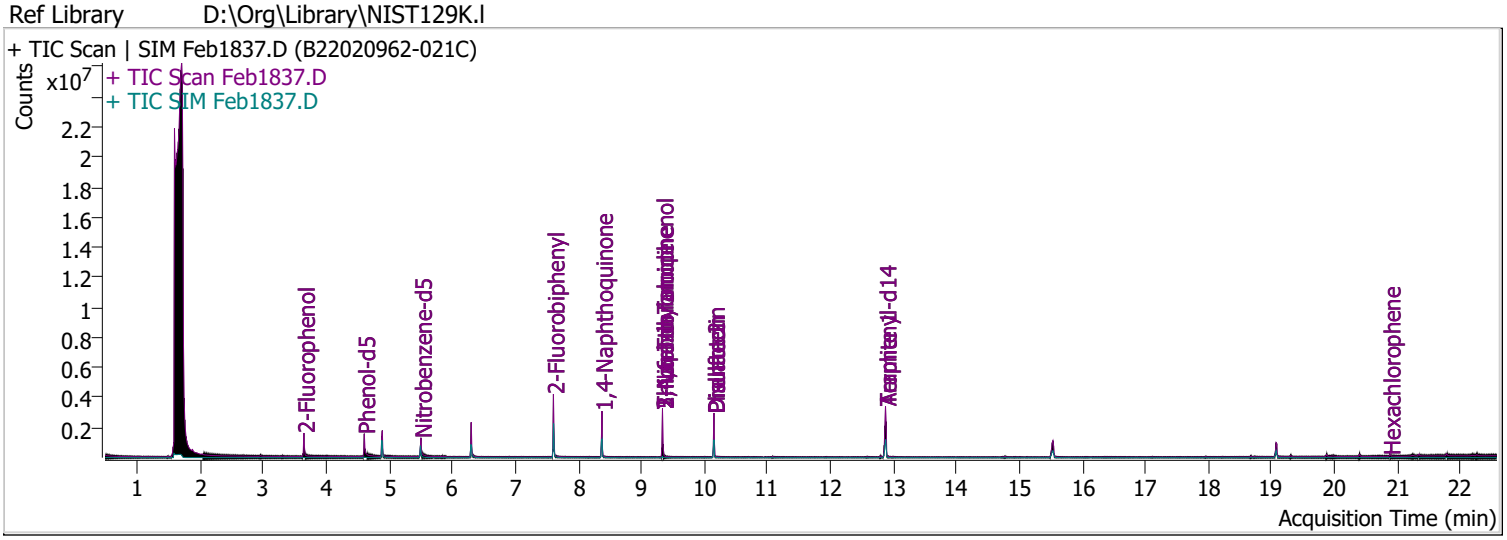
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1837.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/20/2022 3:12:38 AM
Sample Name	B22020962-021C	Instrument	Instrument #1
Vial	37	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



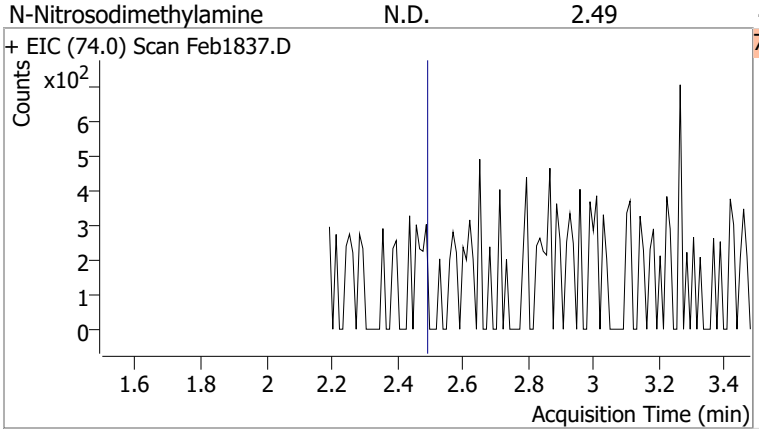
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	473058	57.1861	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 28.59%			
S Phenol-d5	4.603	99.0	592844	54.9842	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 27.49%			
S Nitrobenzene-d5	5.502	82.0	386082	64.6171	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 64.62%			
S 2-Fluorobiphenyl	7.605	172.0	1267723	67.0405	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 67.04%			
S 2,4,6-Tribromophenol	9.335	329.8	265406	156.4438	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 78.22%			
S Terphenyl-d14	12.875	244.3	1892194	105.4128	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 105.41%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.			
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

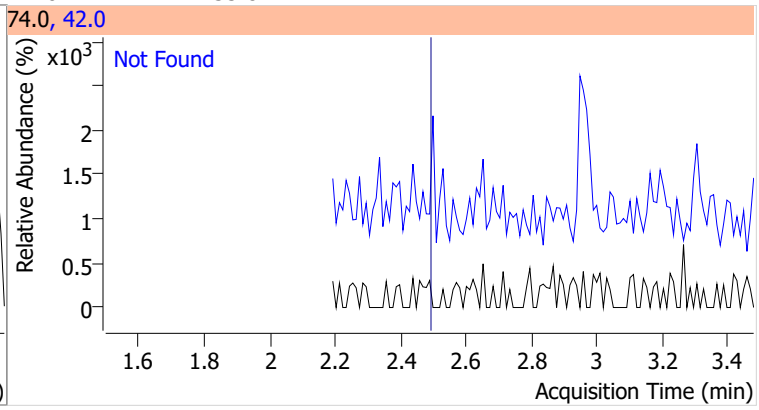
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	0.000		0	N.D.			
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	0.000		0	N.D.			
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

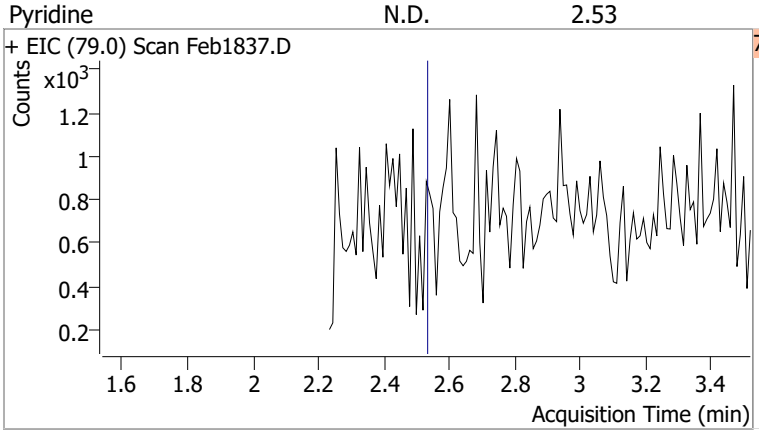
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

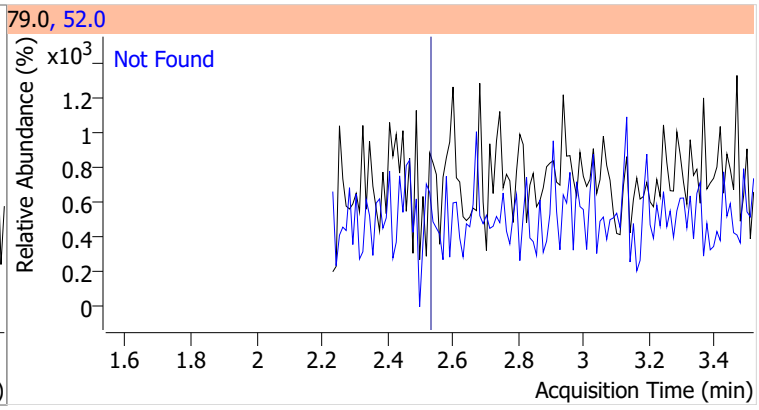
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



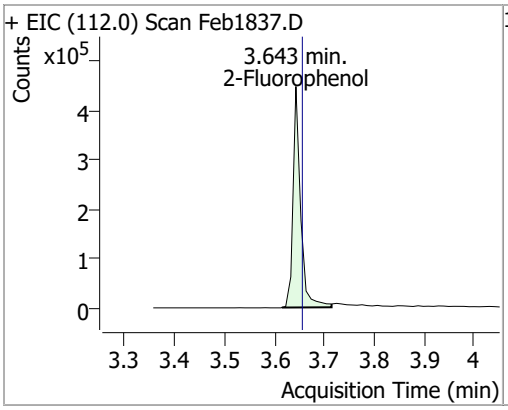


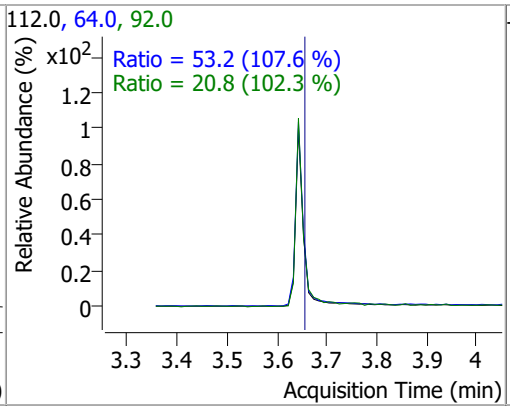
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

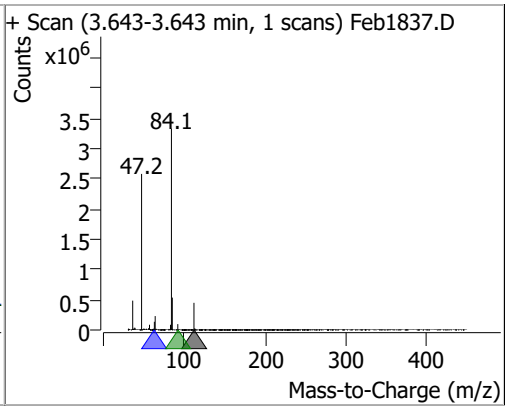




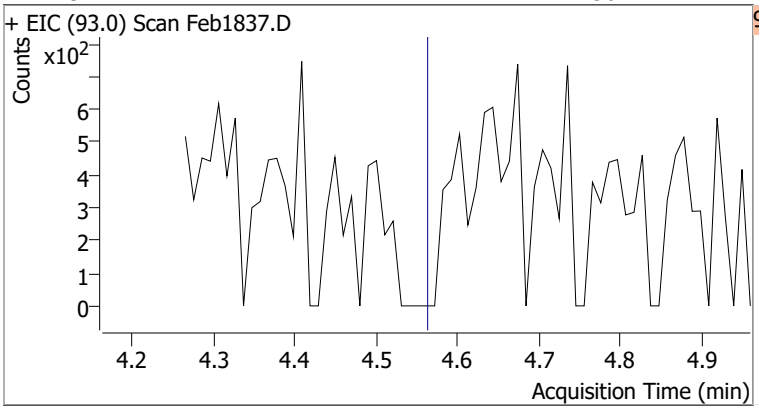
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	57.1861	3.64	-0.01	473058	64.0	53.2	34.6	64.3
					92.0	20.8	14.2	26.5

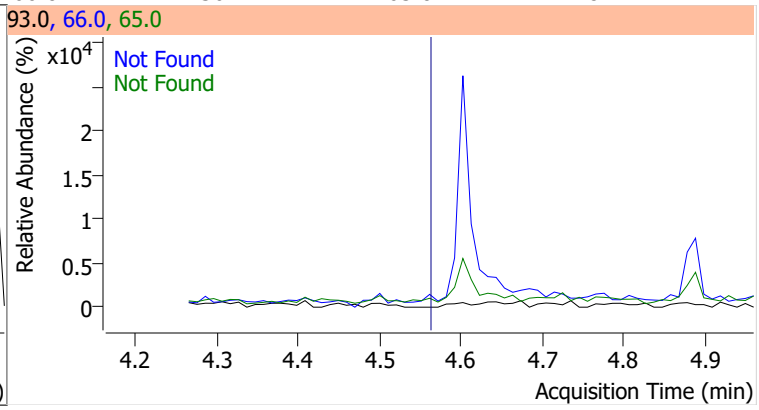




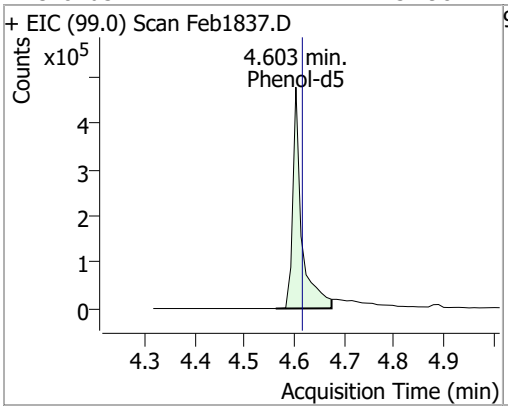


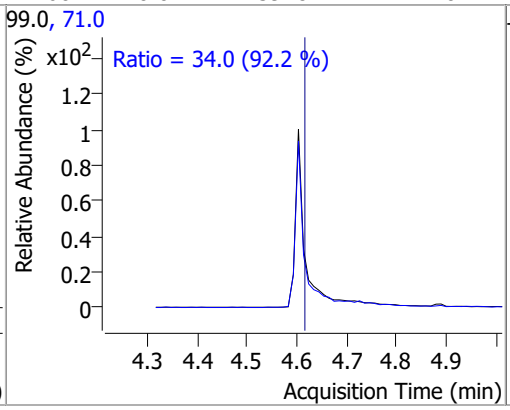
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

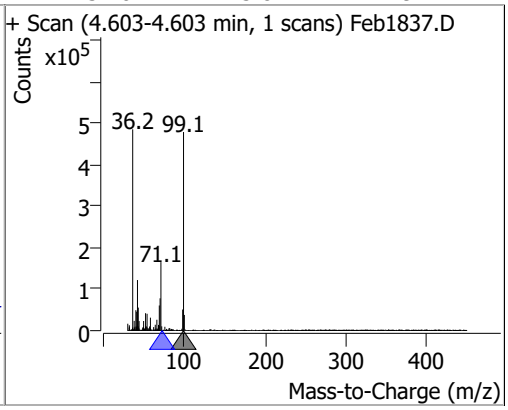




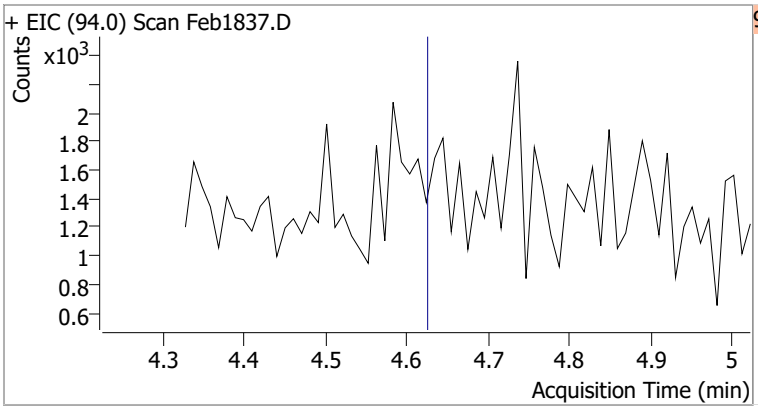
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	54.9842	4.60	-0.01	592844	71.0	34.0	25.8	47.9

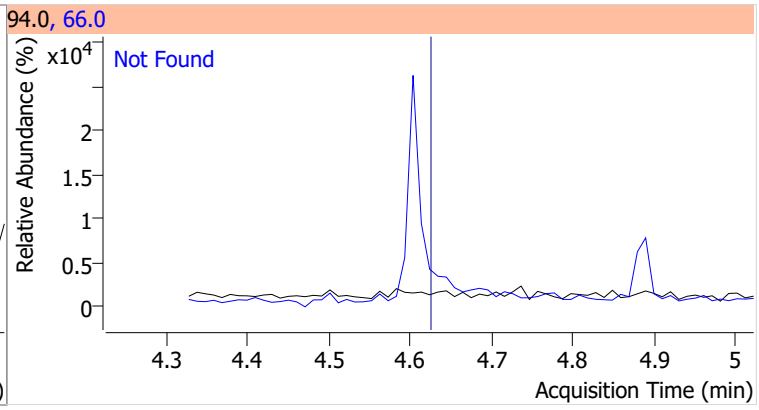




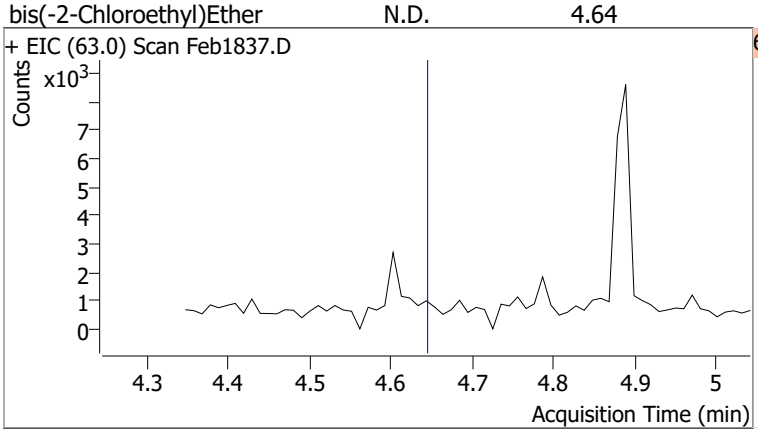


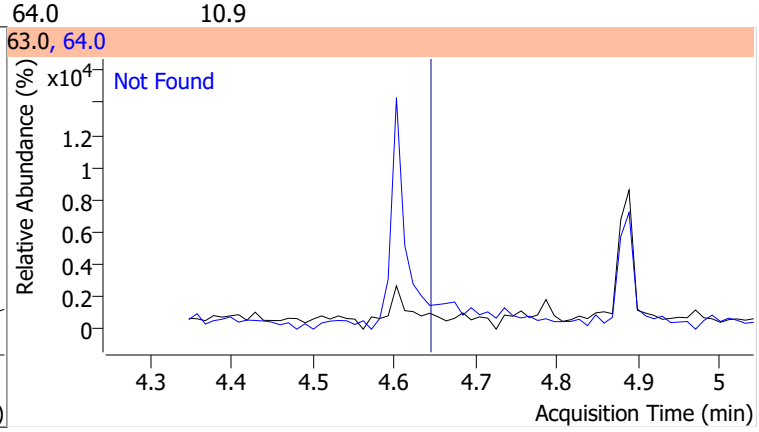
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



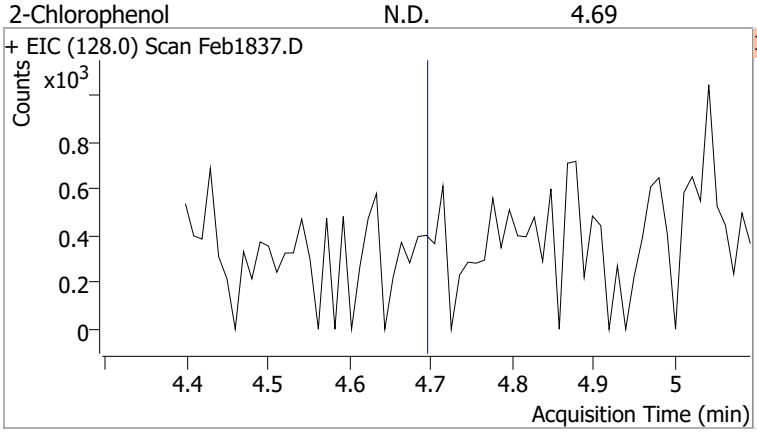


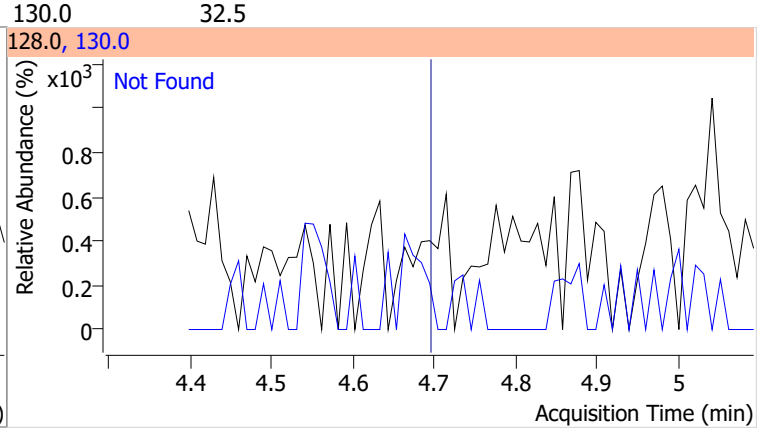
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



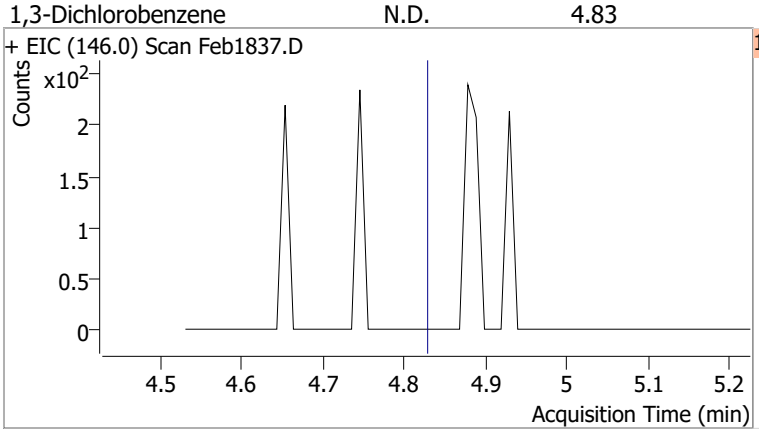


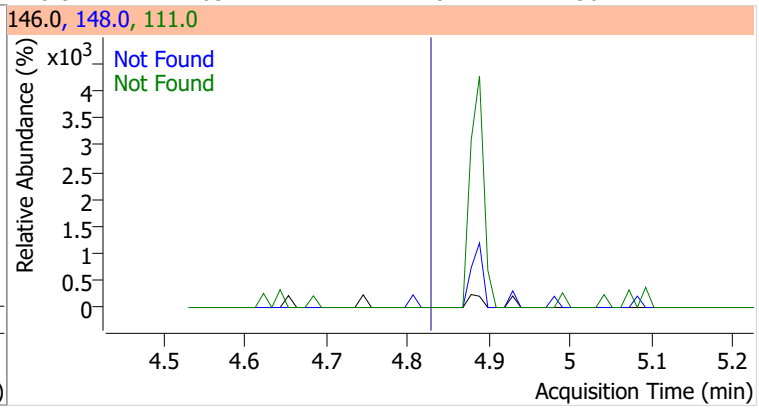
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



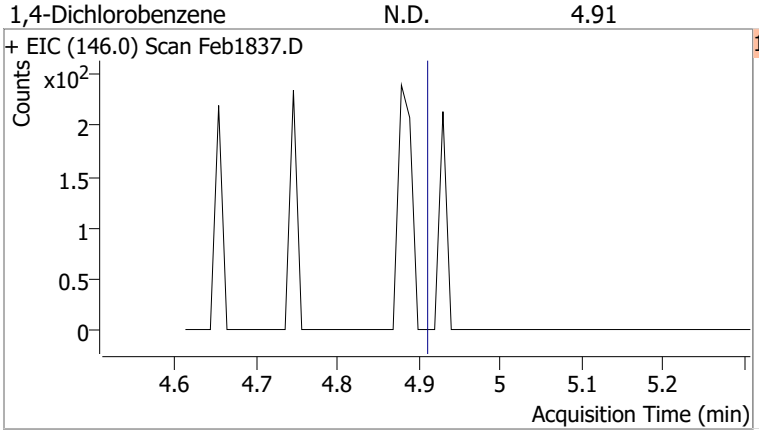


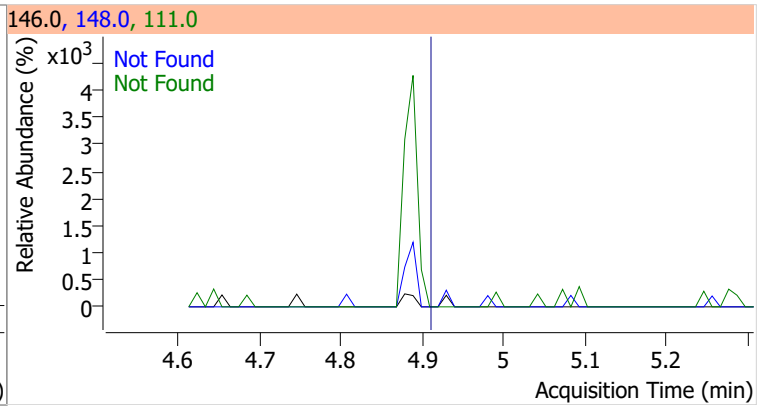
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



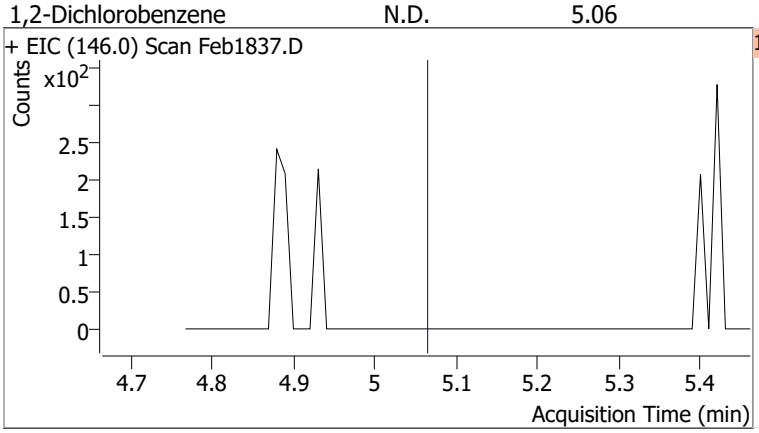


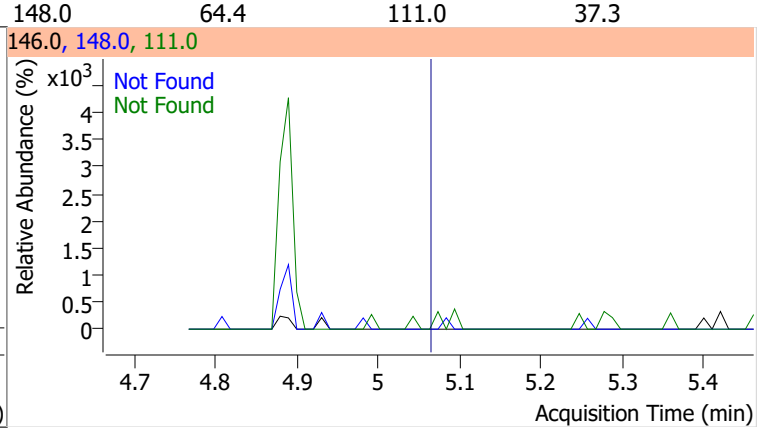
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



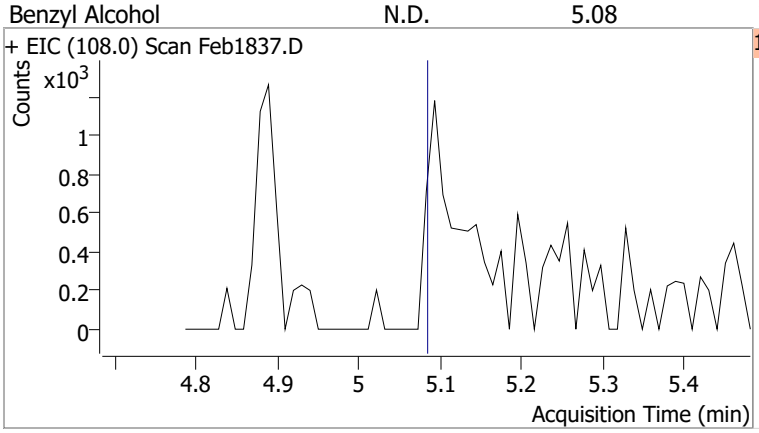


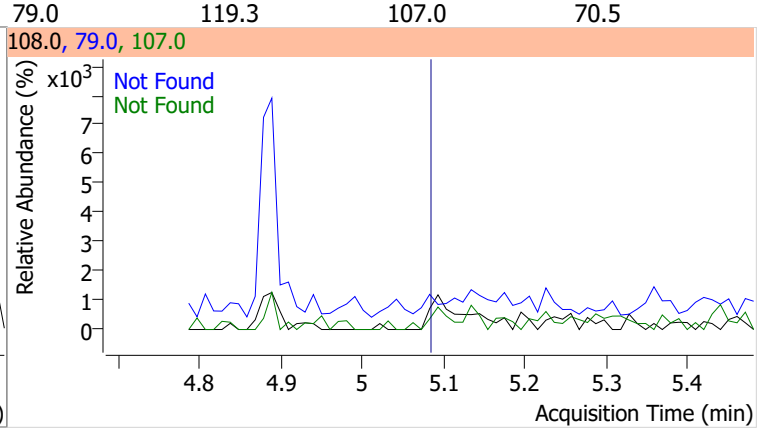
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



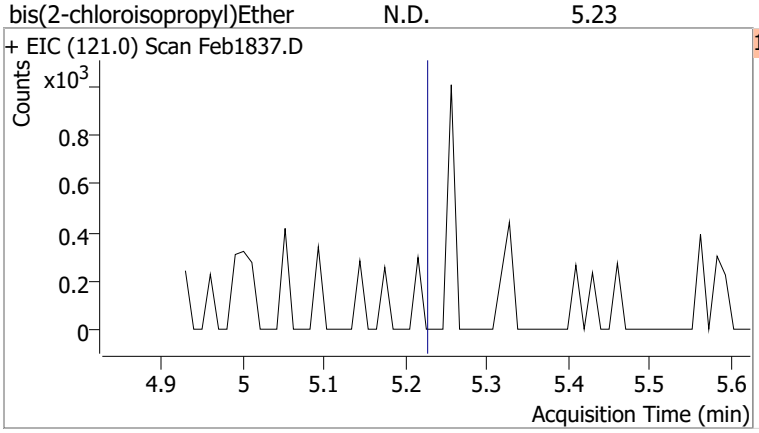


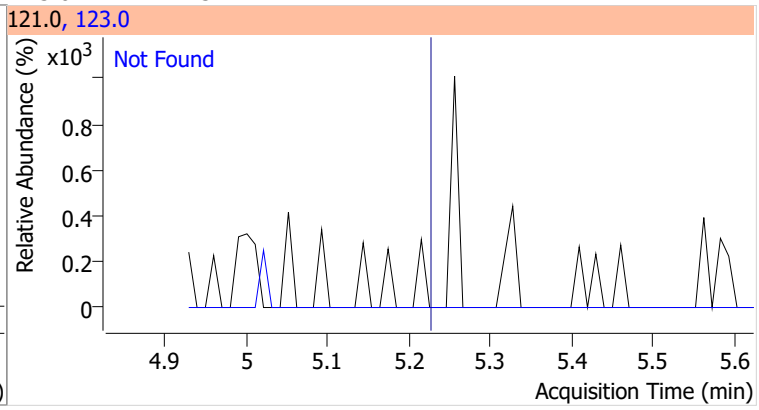
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



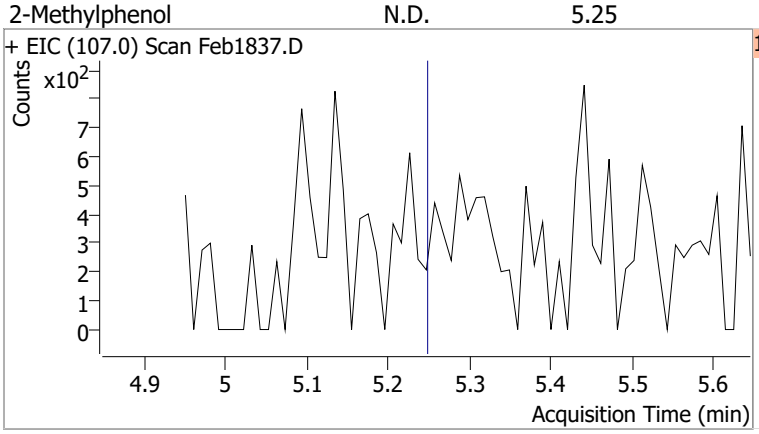


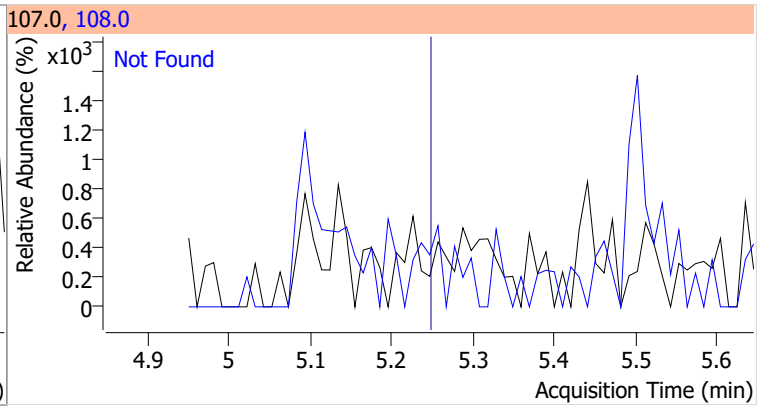
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



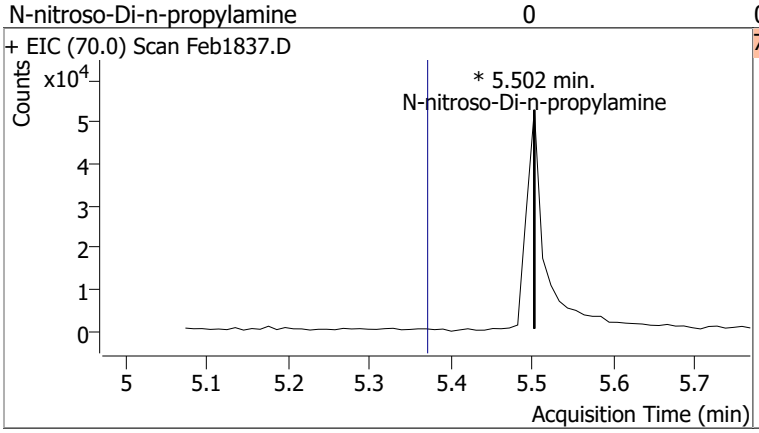


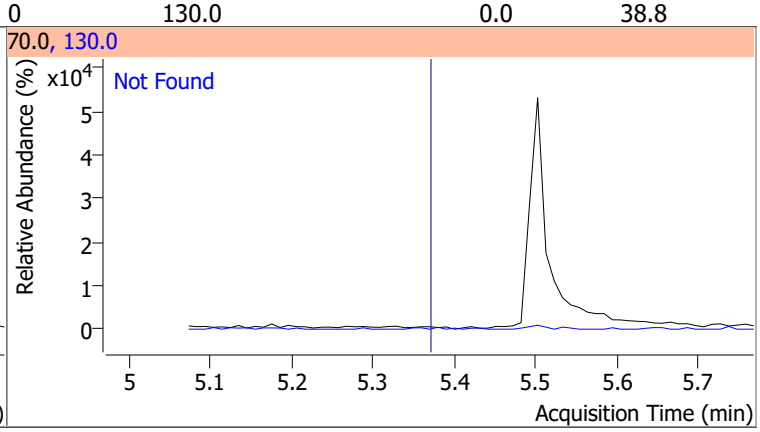
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



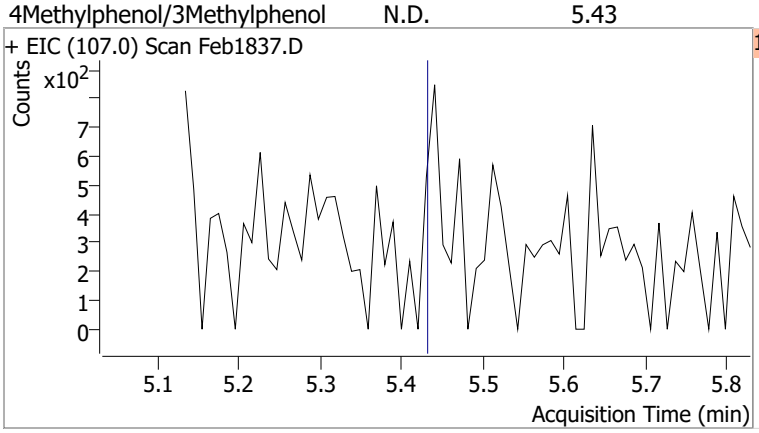


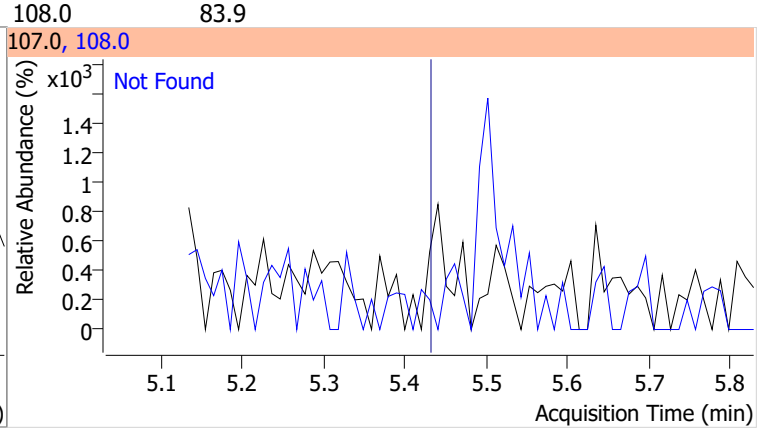
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



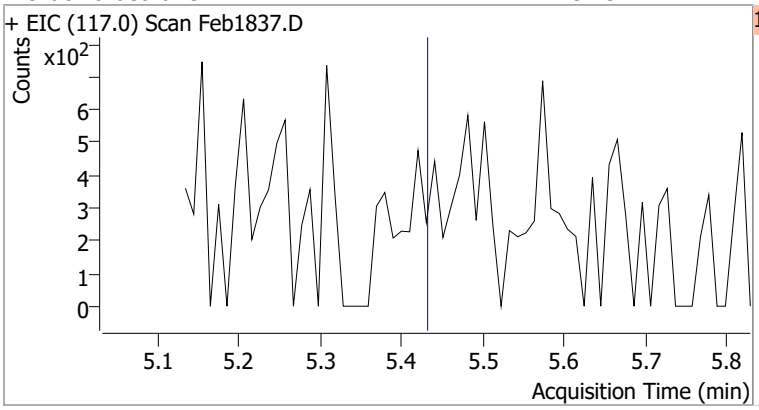


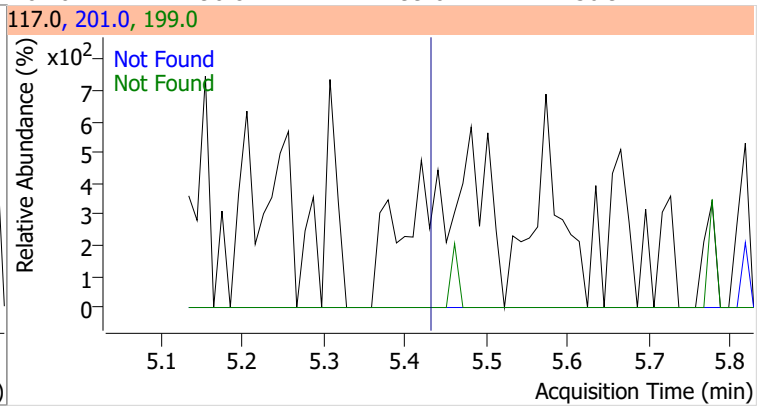
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



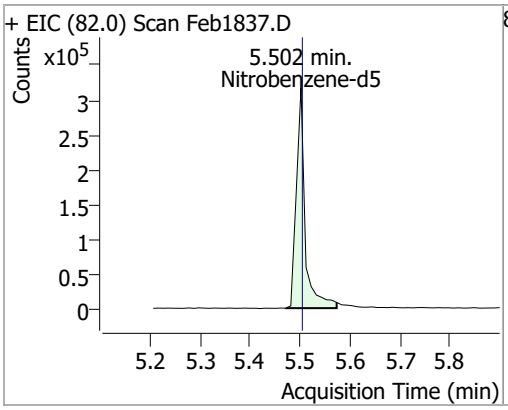


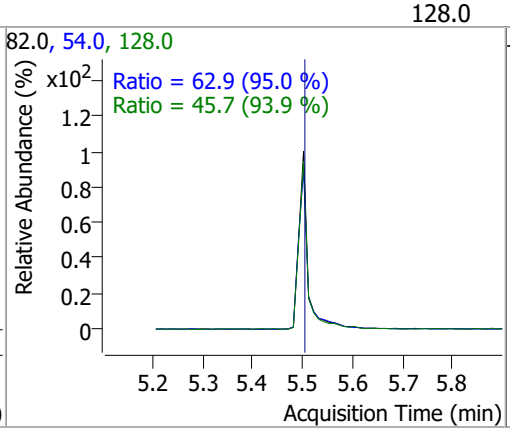
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

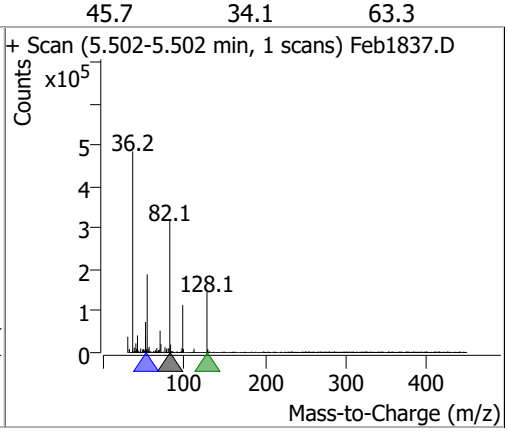




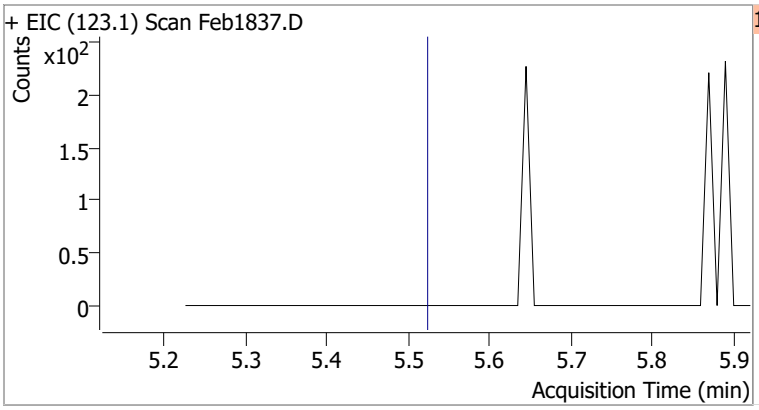
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	64.6171	5.50	0.00	386082	54.0	62.9	46.3	86.0
					128.0	45.7	34.1	63.3

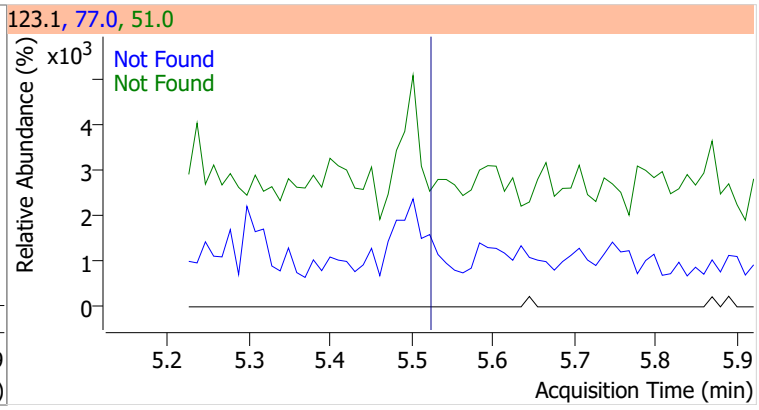




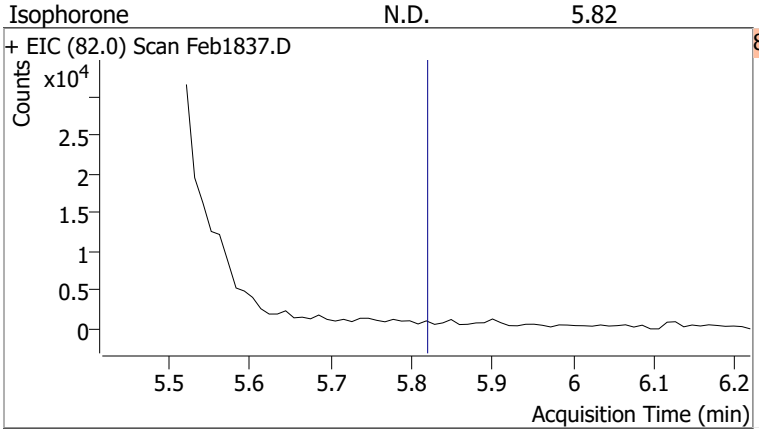


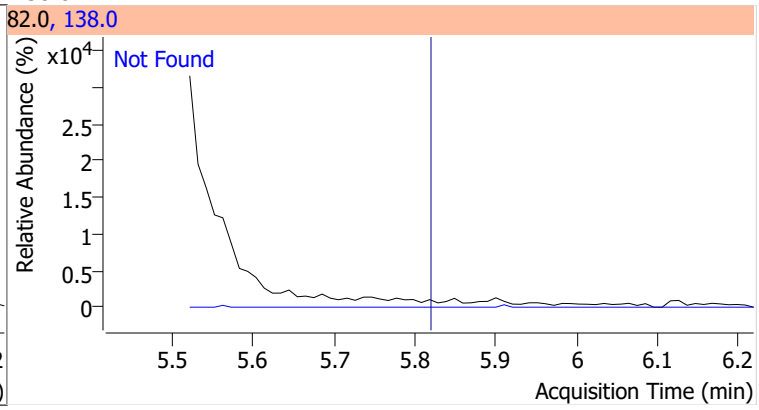
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



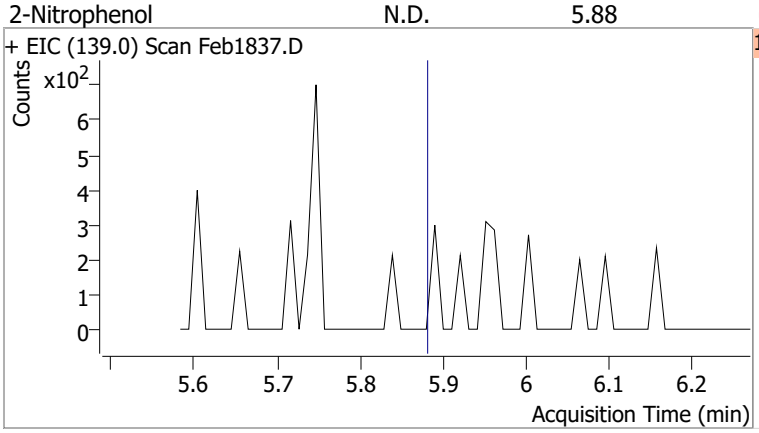


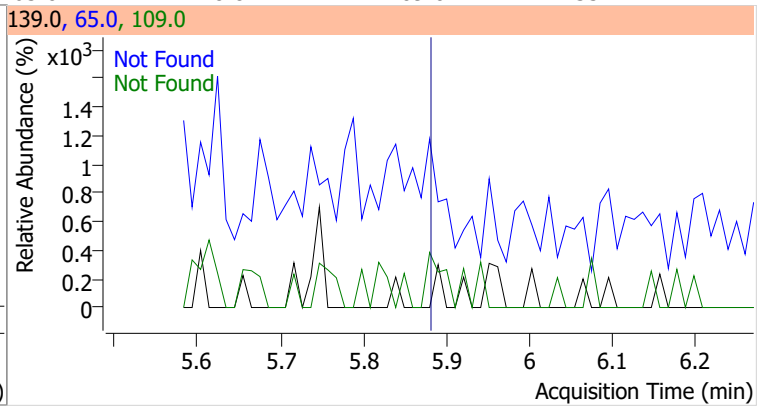
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



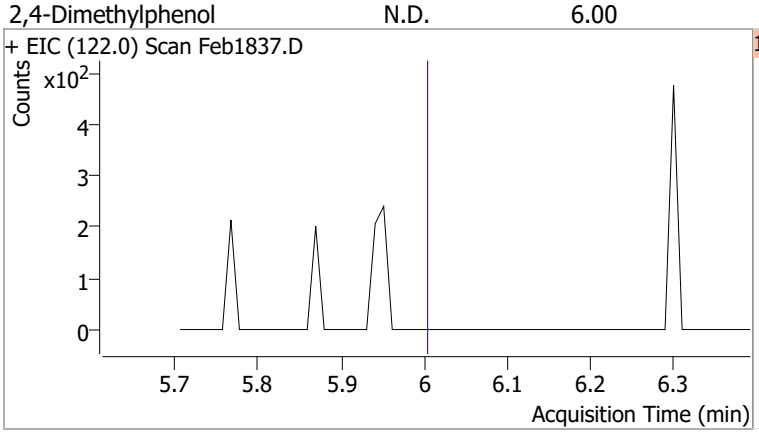


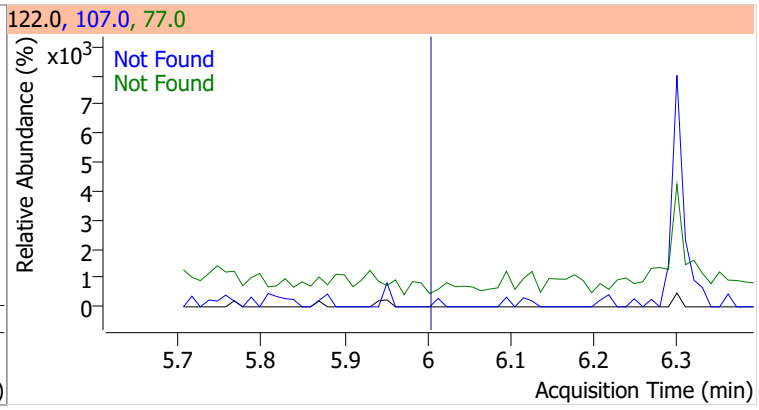
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



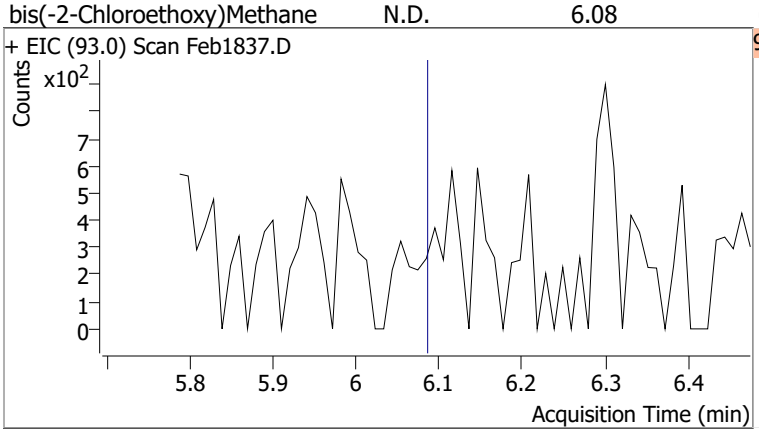


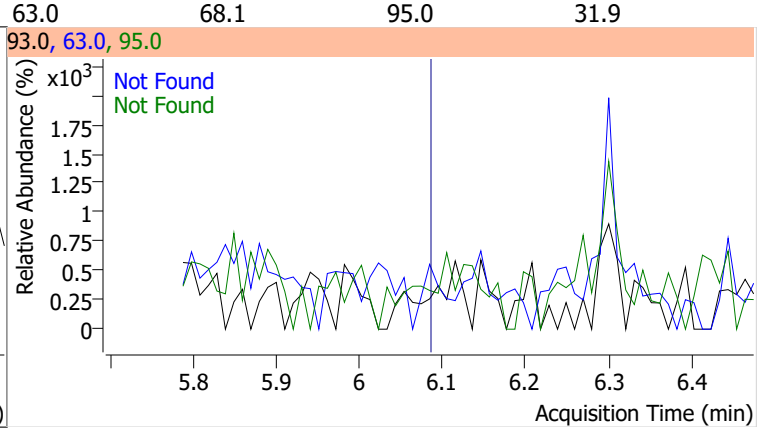
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



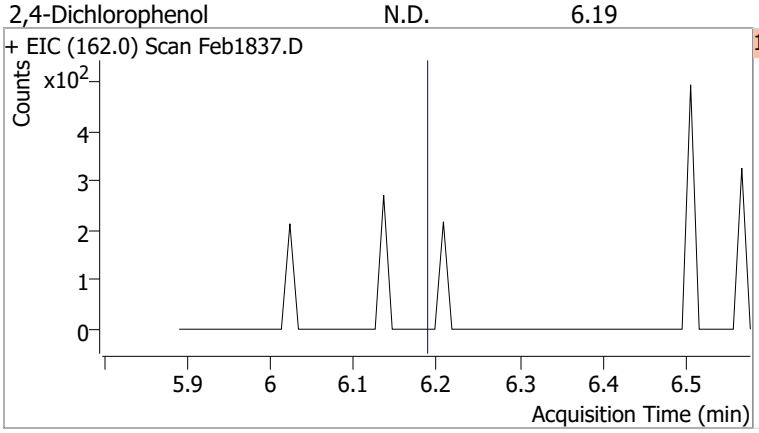


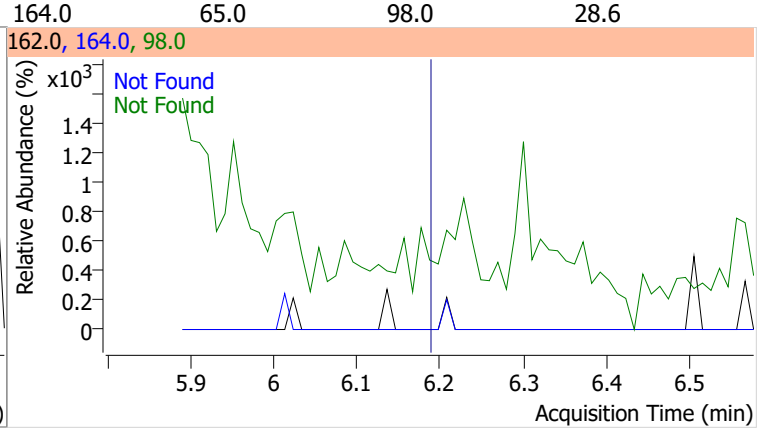
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



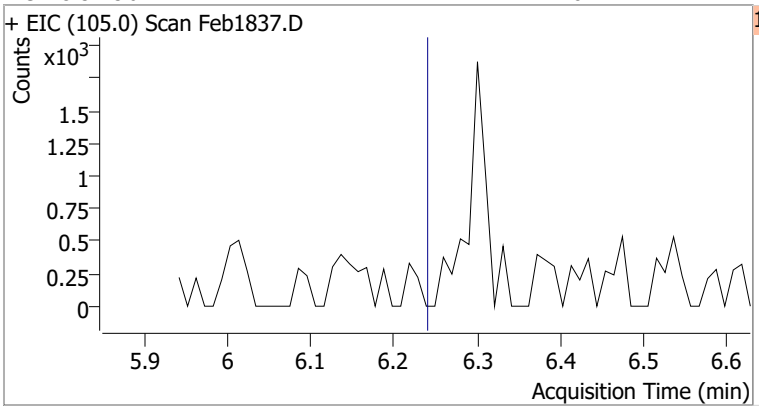


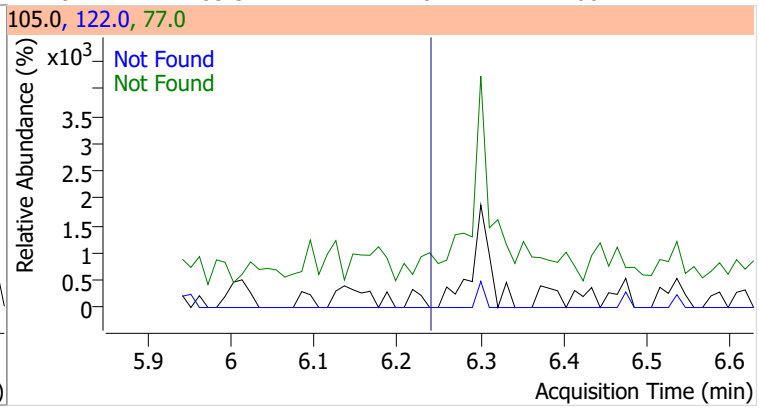
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



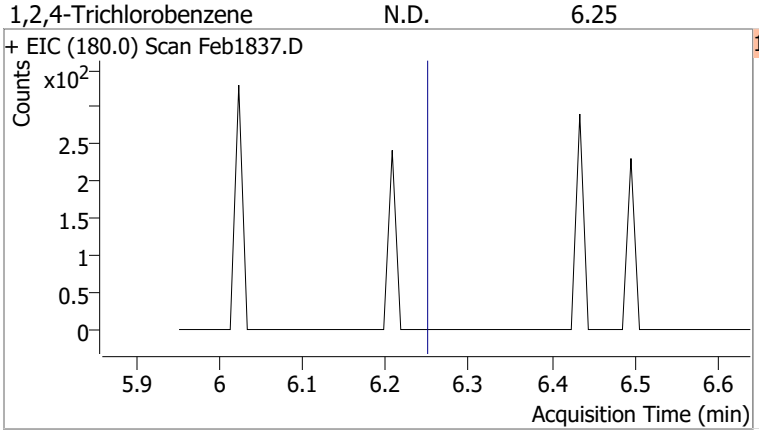


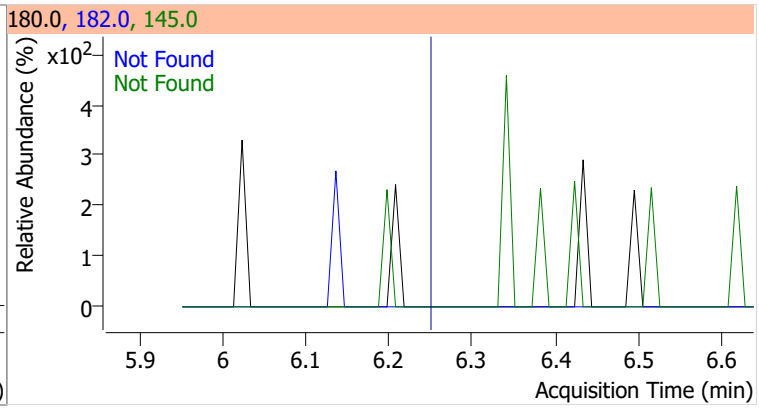
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



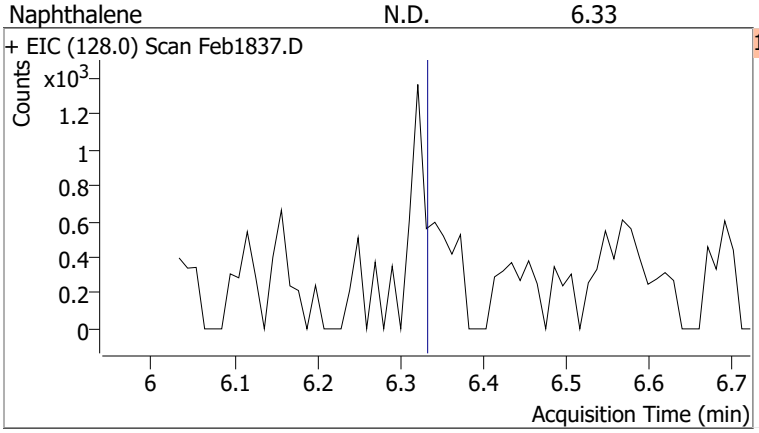


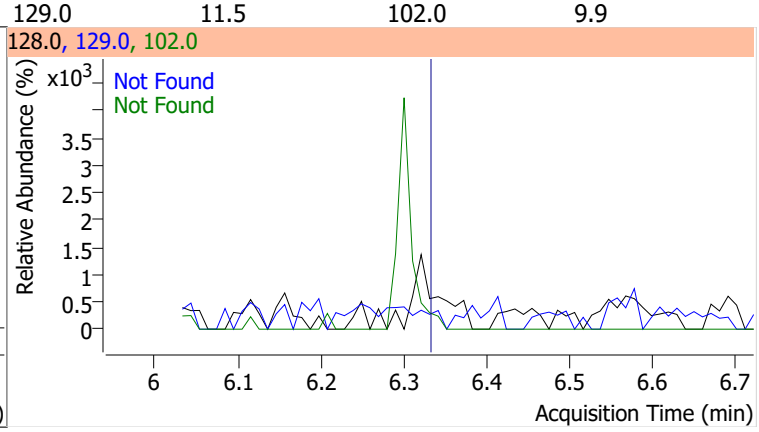
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



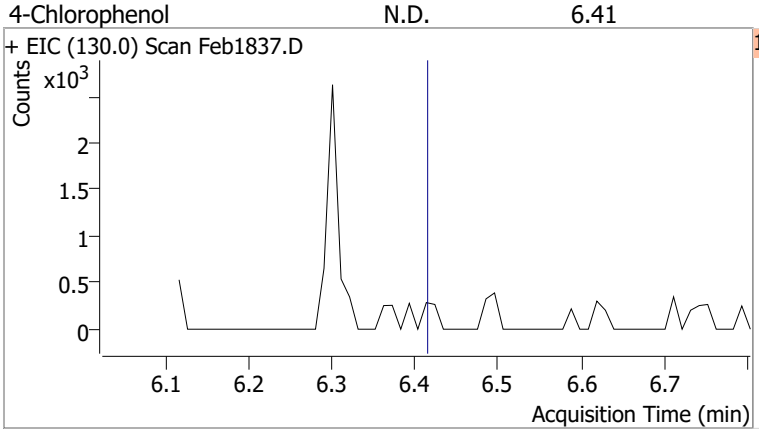


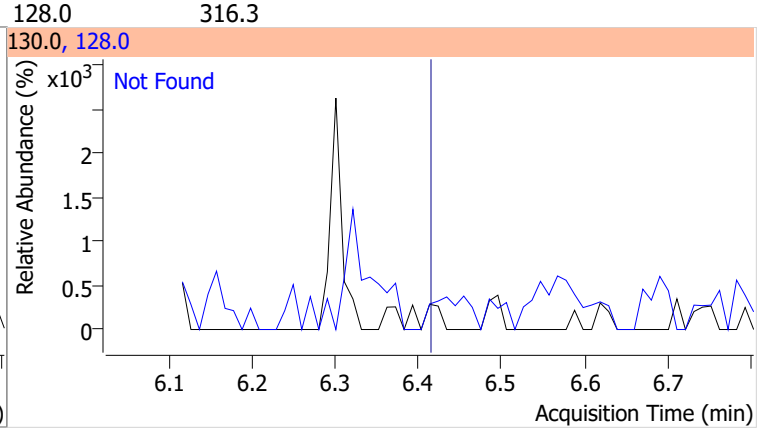
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



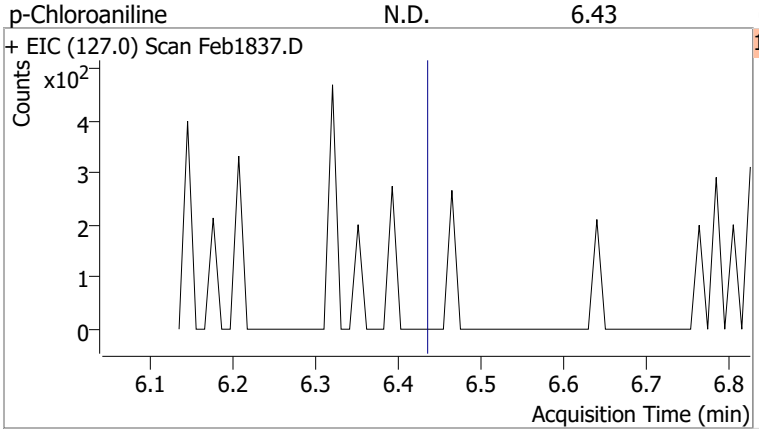


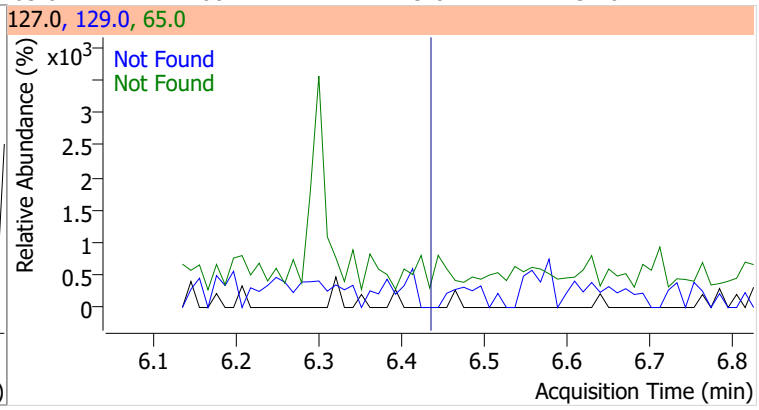
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorophenol	N.D.	6.41	128.0	316.3



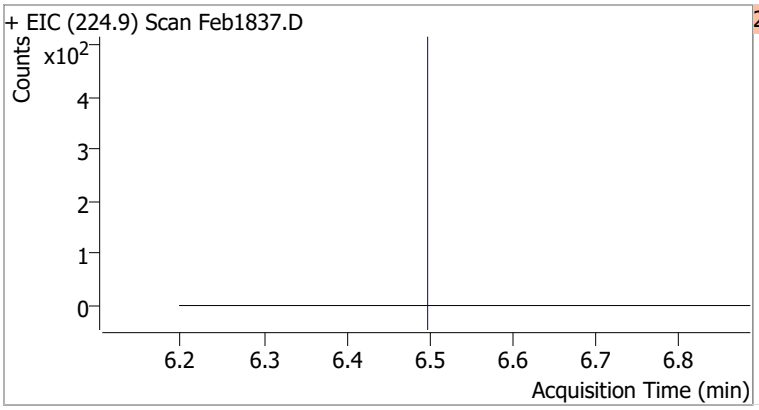


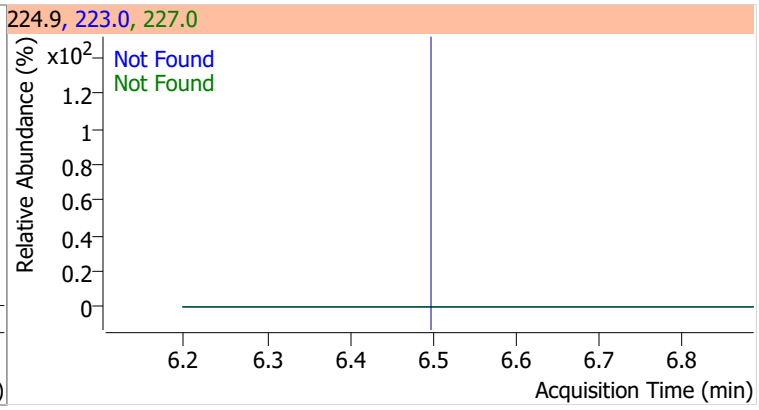
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



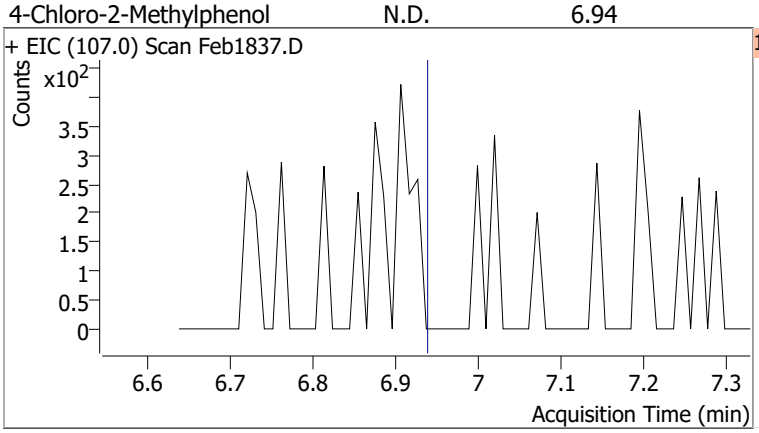


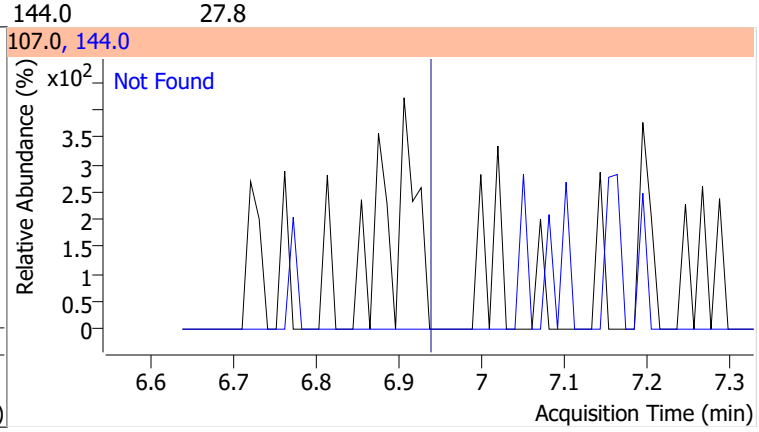
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



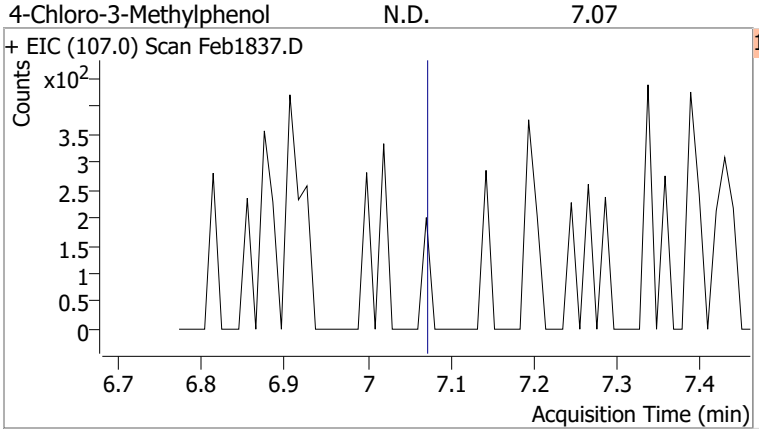


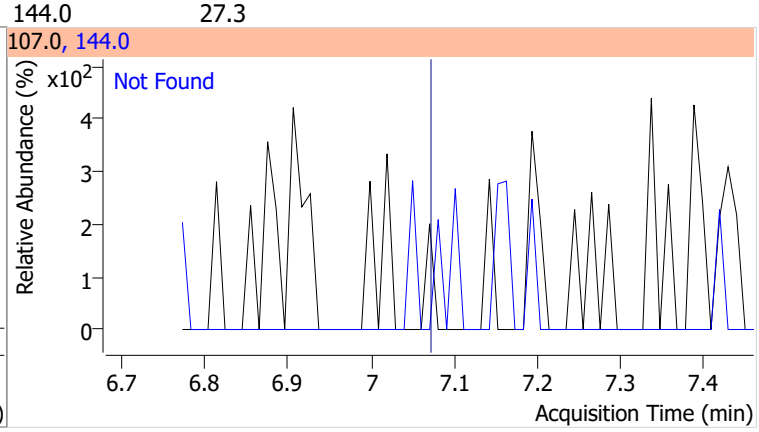
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



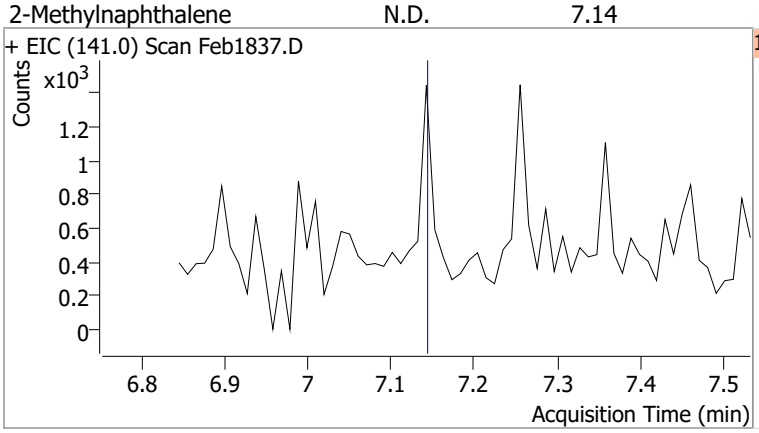


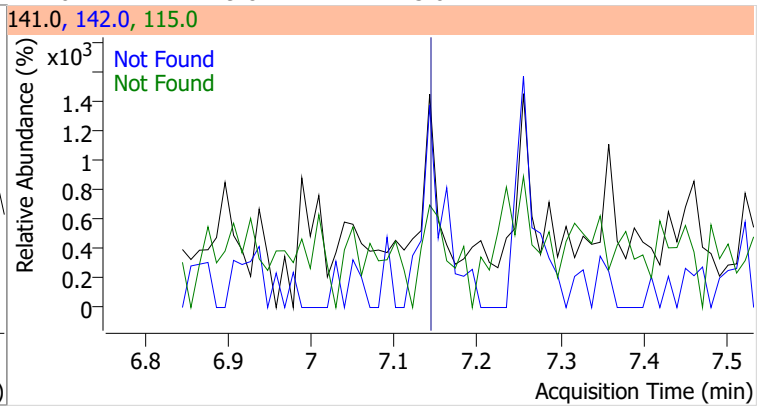
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



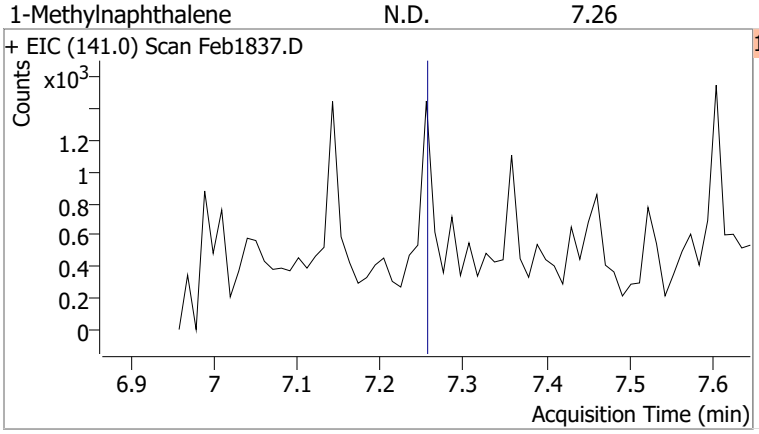


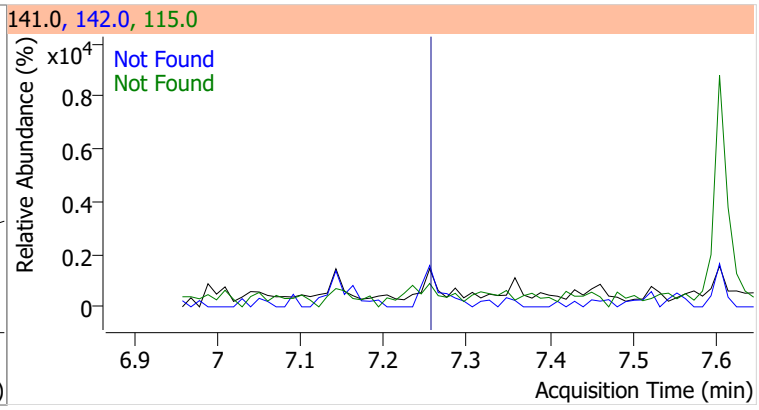
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



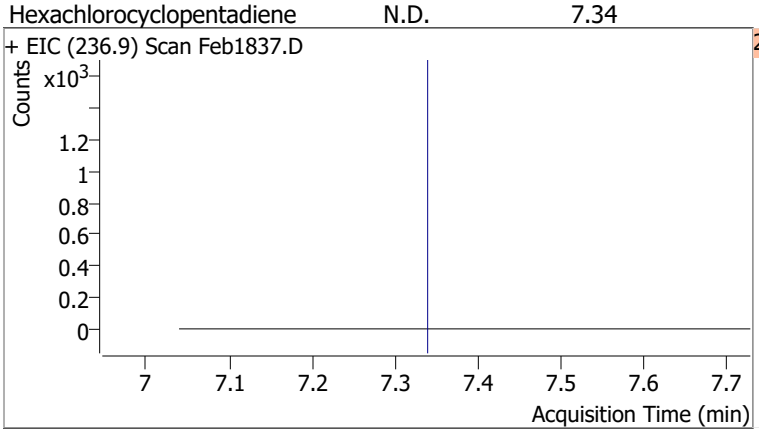


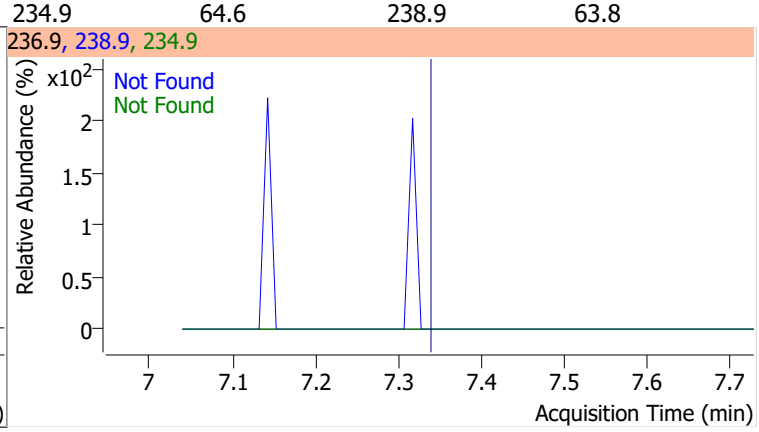
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



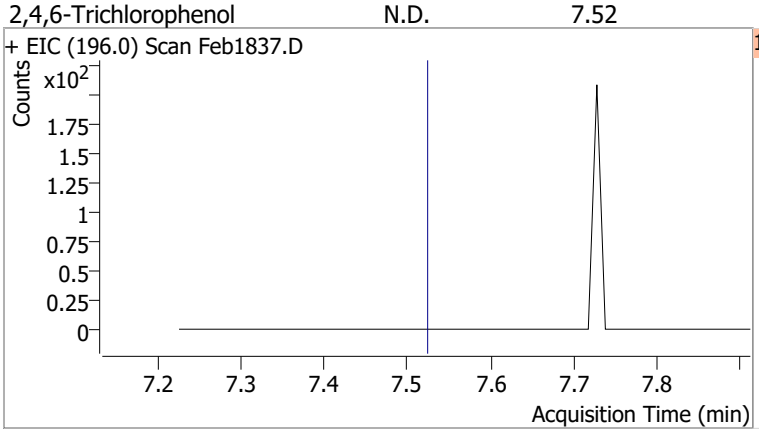


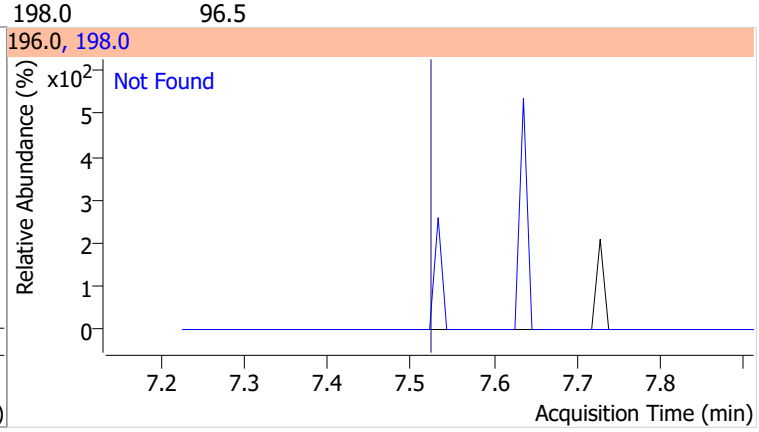
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



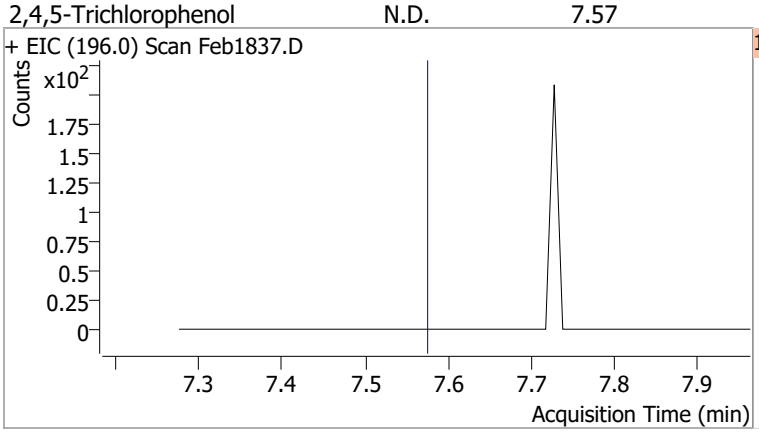


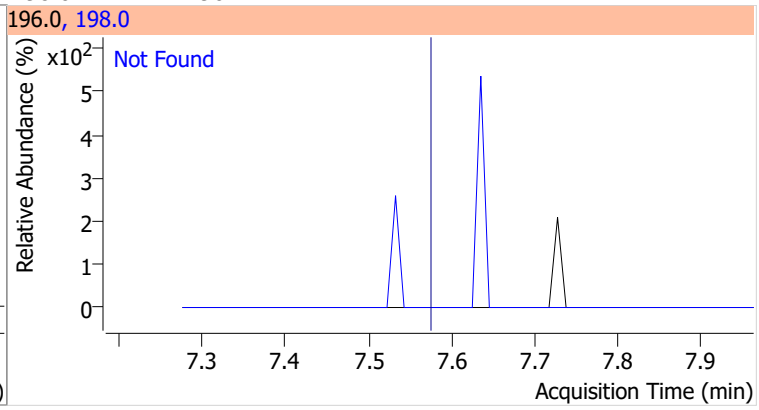
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



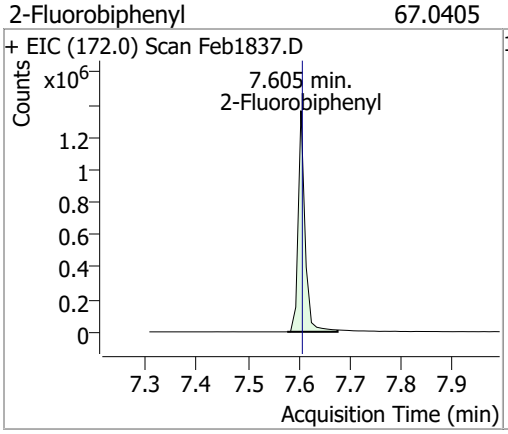


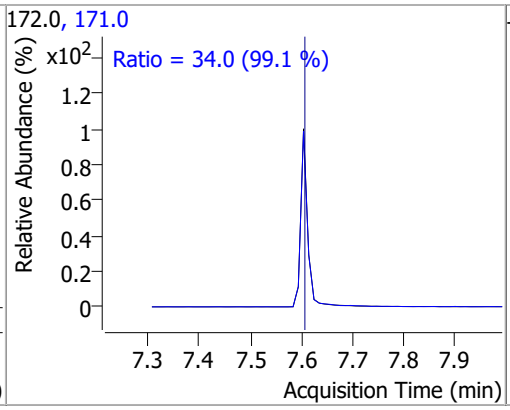
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

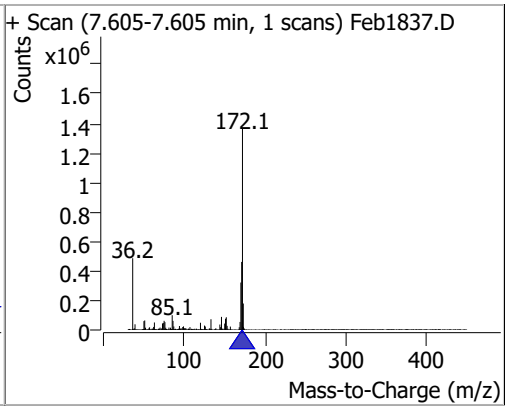




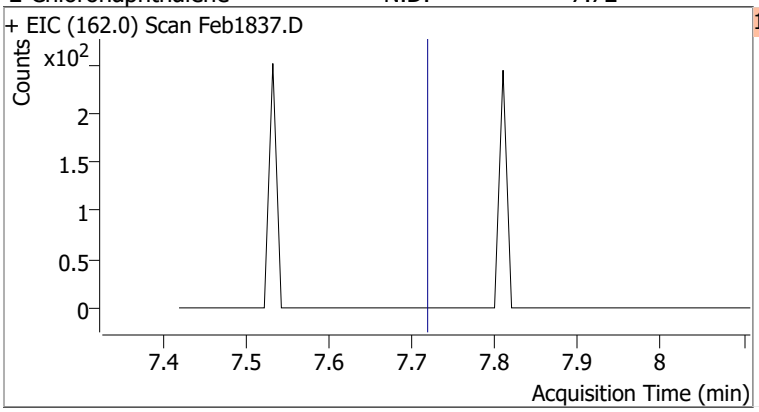
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	67.0405	7.60	0.00	1267723	171.0	34.0	24.0	44.5

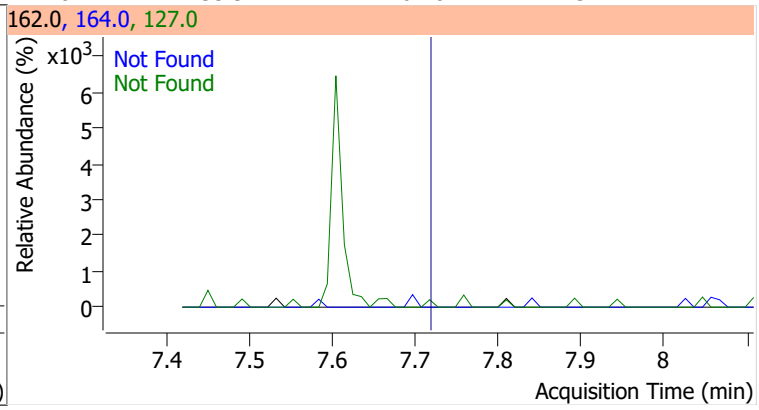




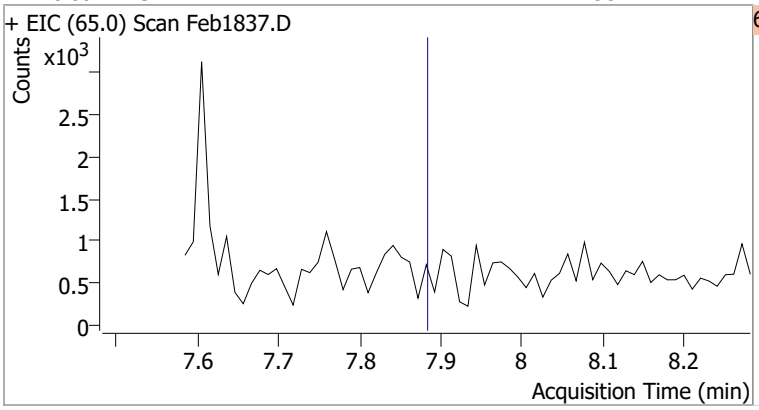


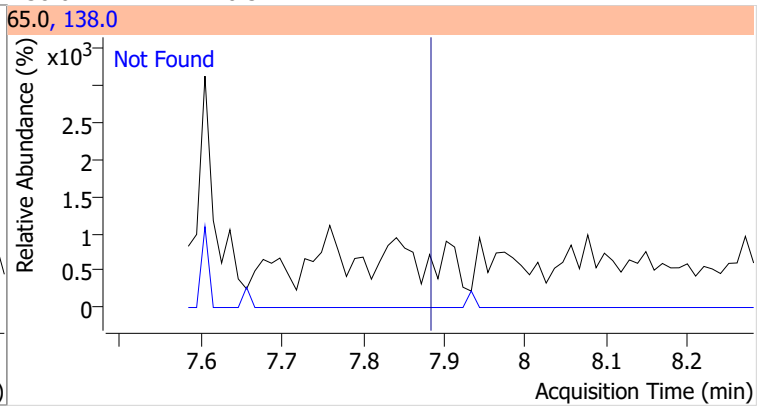
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



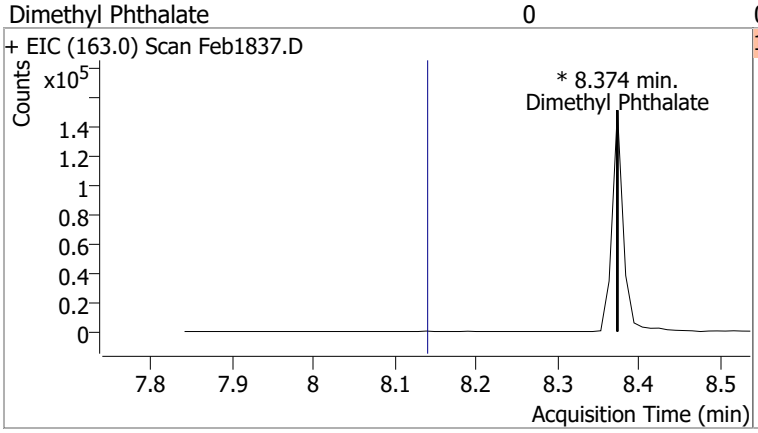


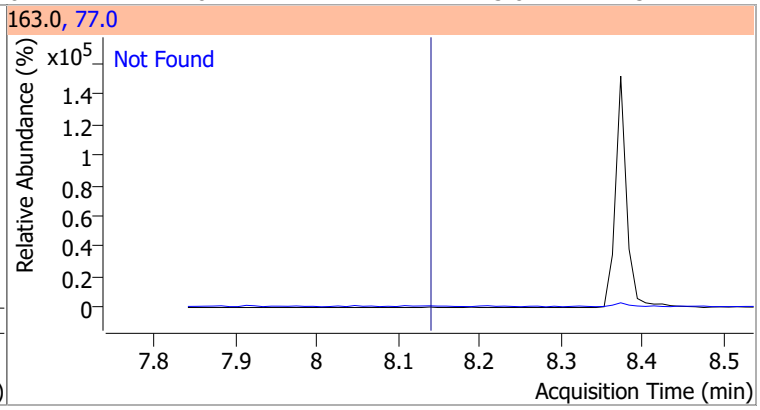
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



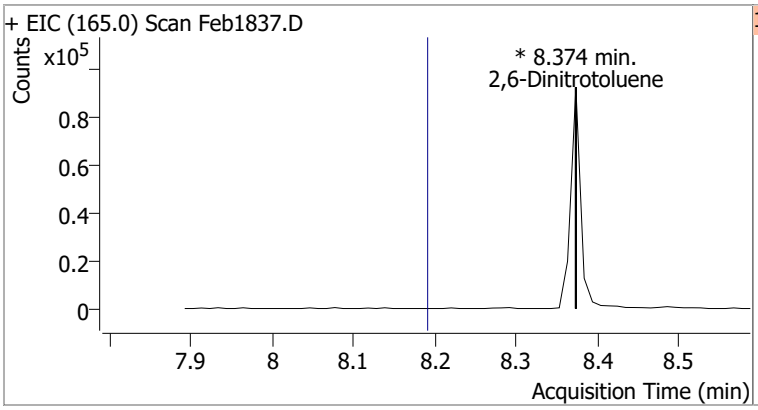


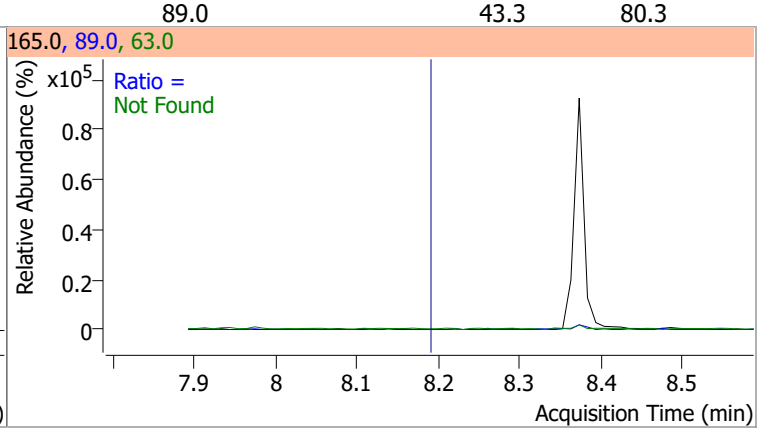
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



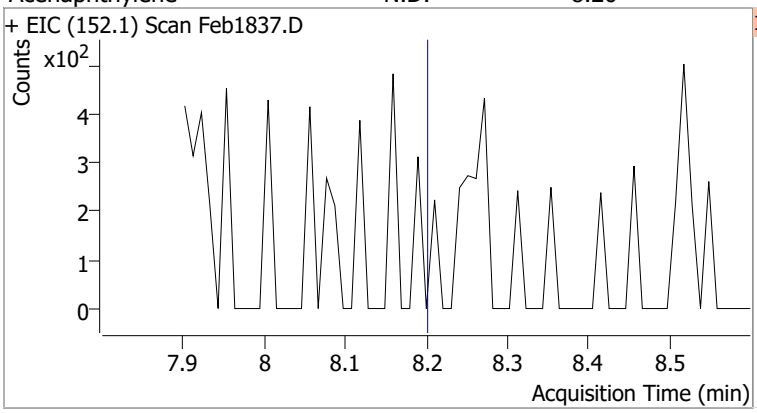


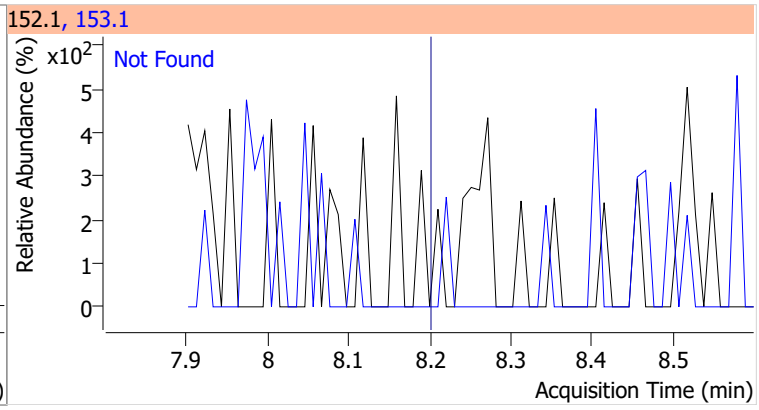
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



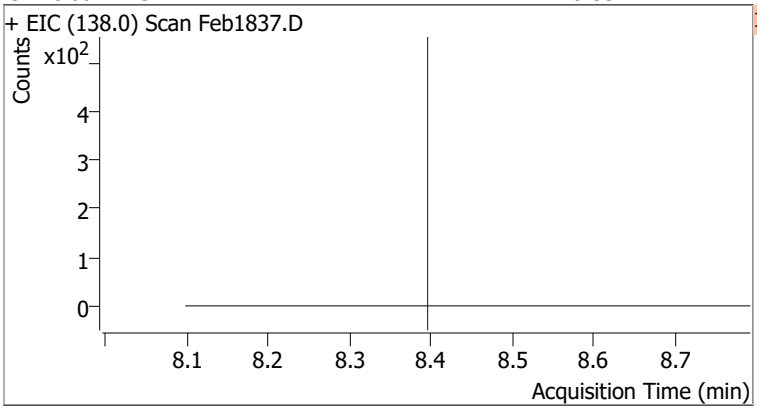


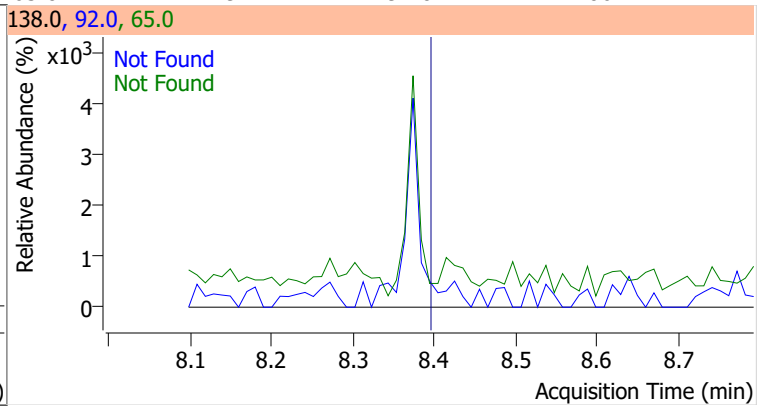
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



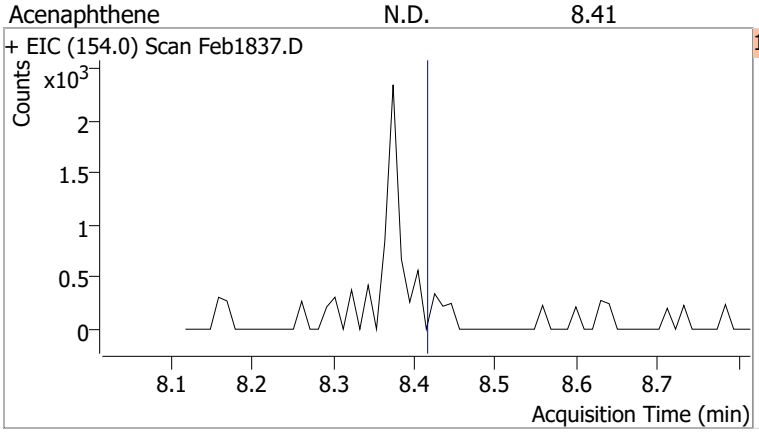


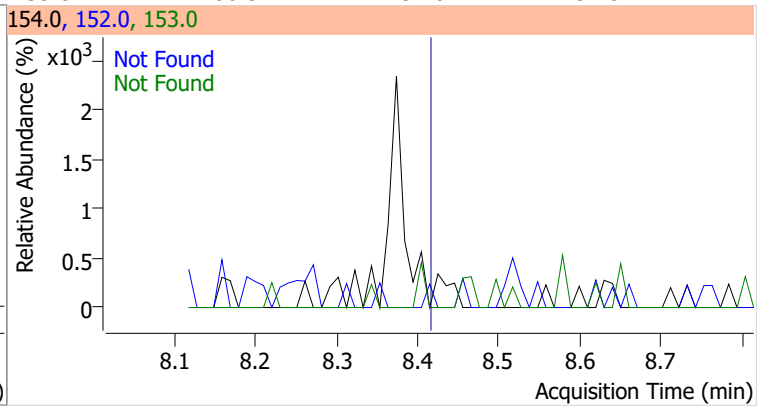
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



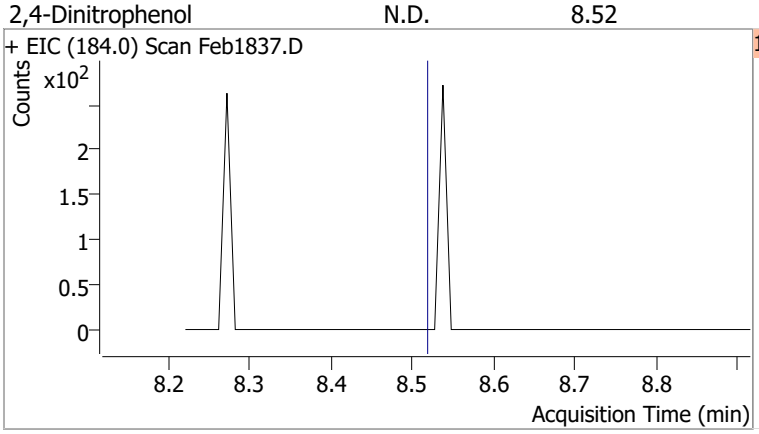


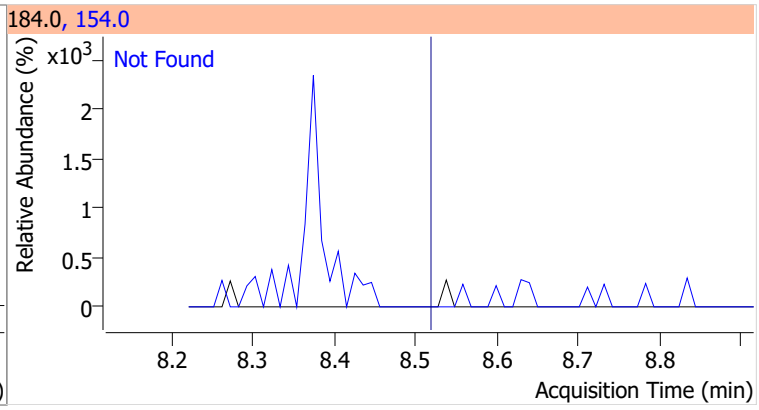
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



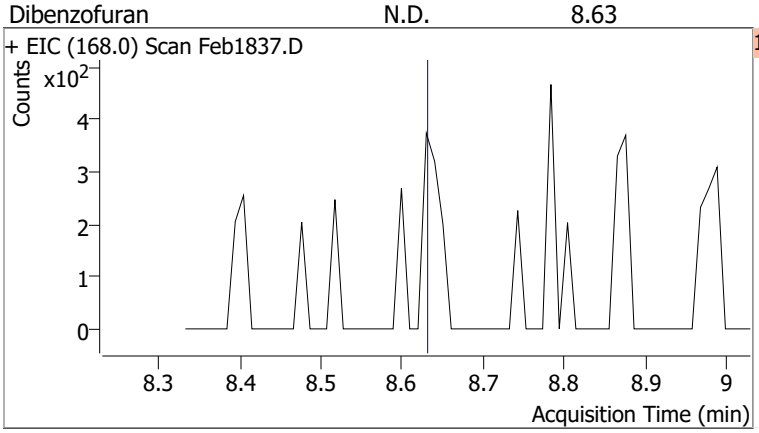


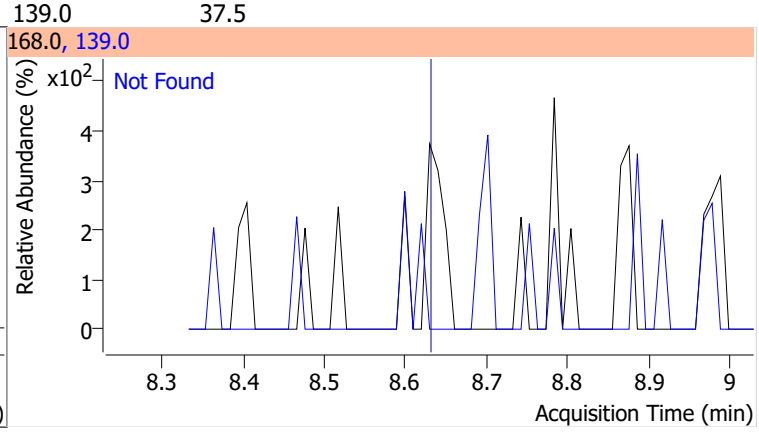
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



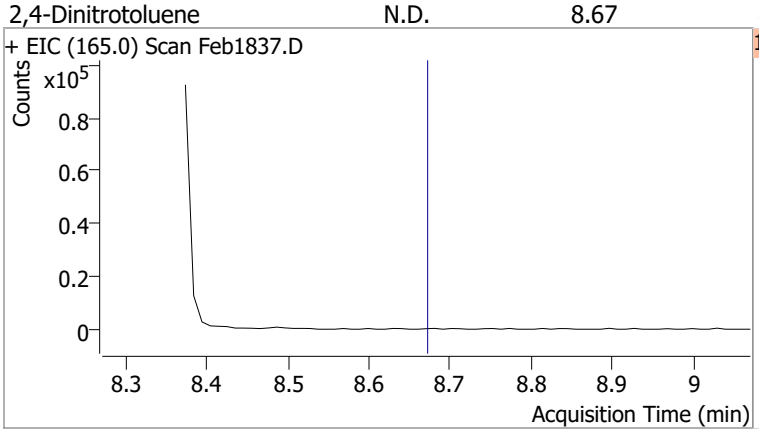


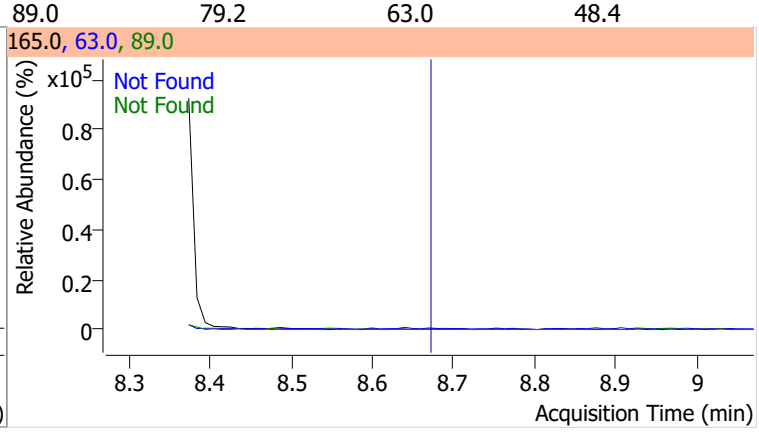
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



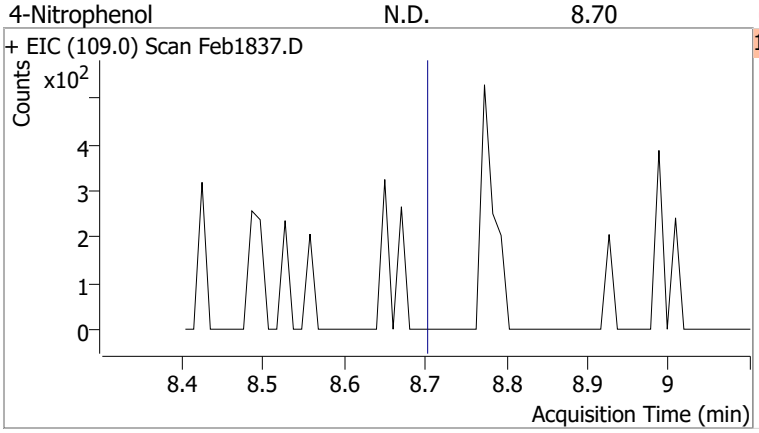


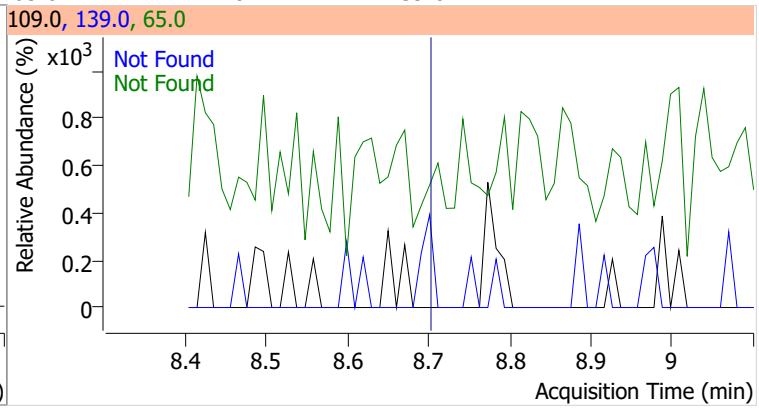
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



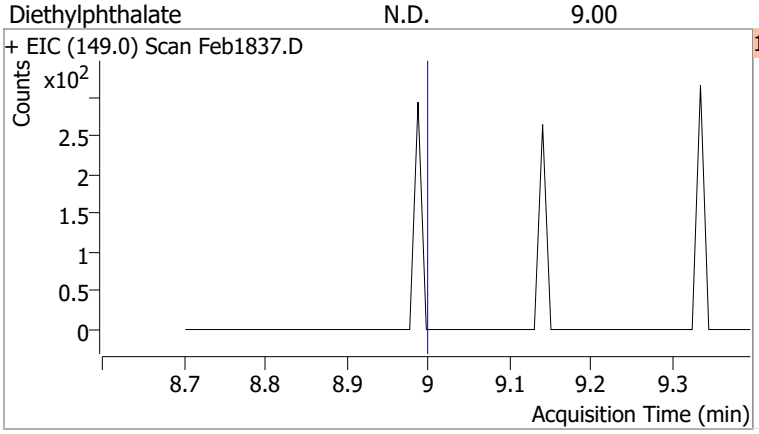


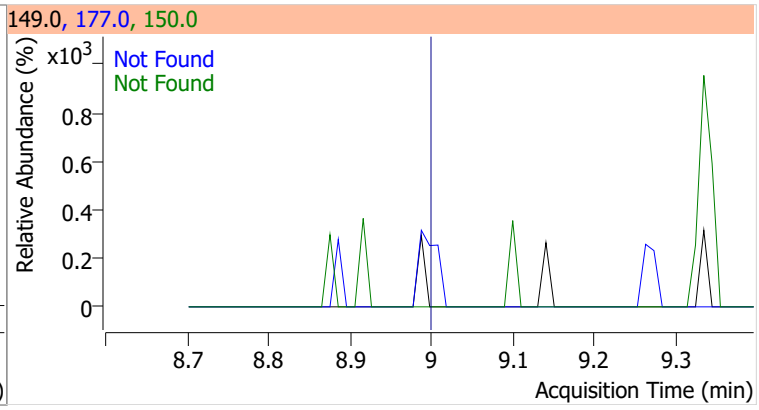
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



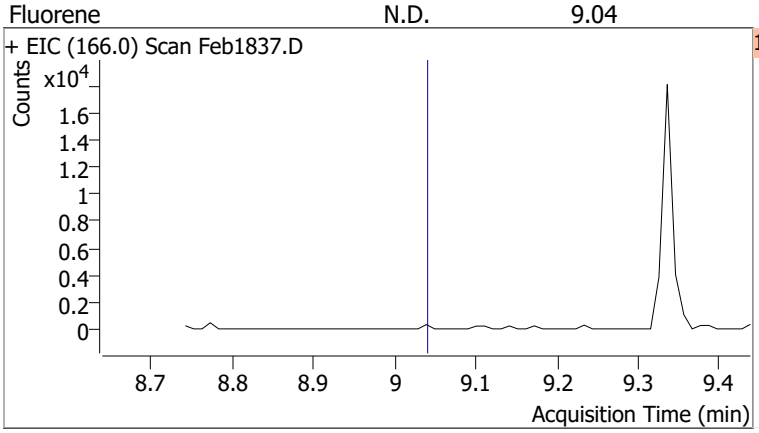


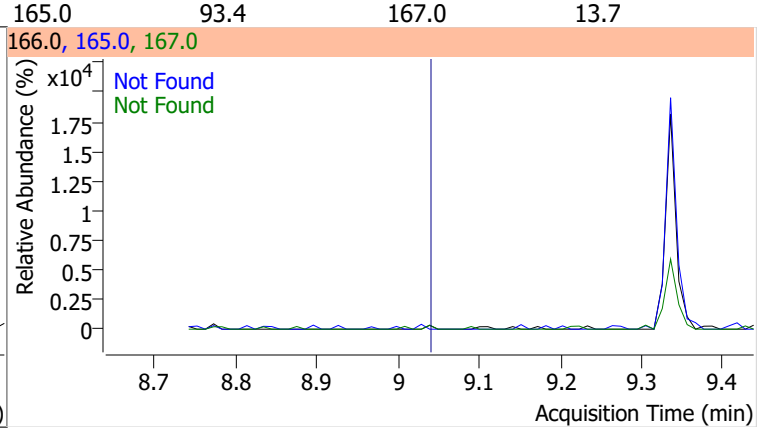
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



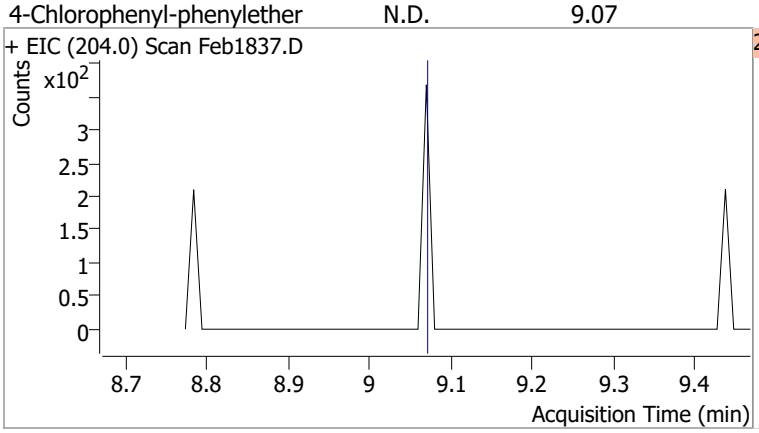


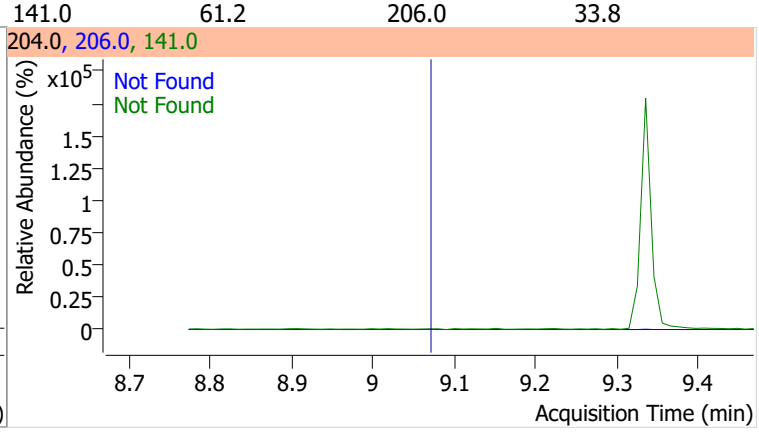
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



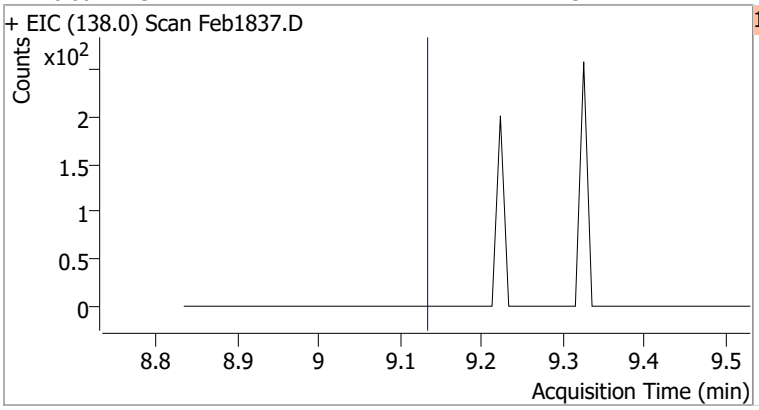


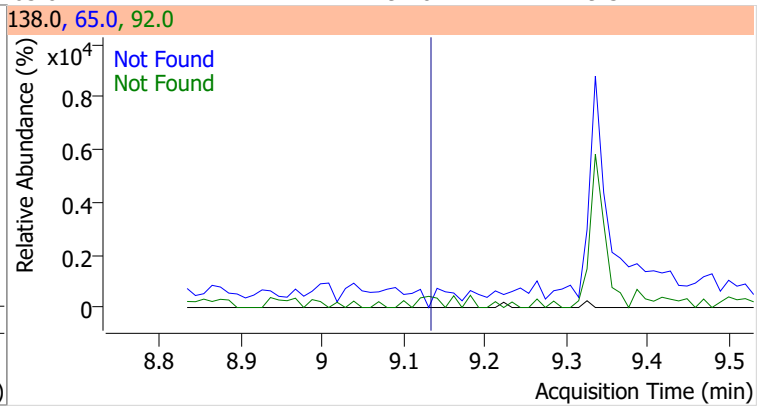
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



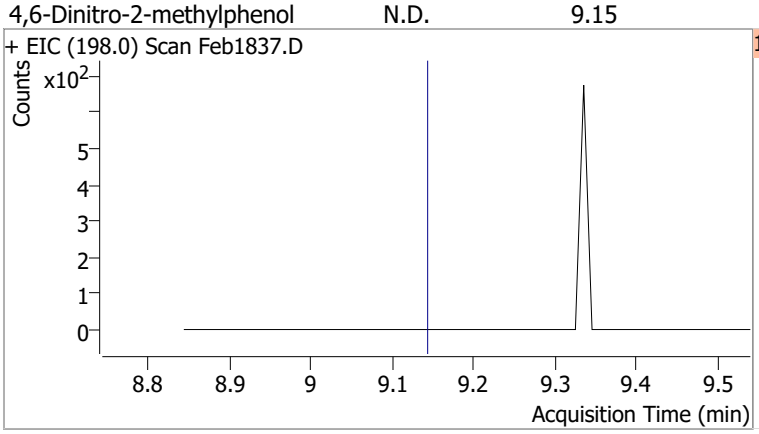


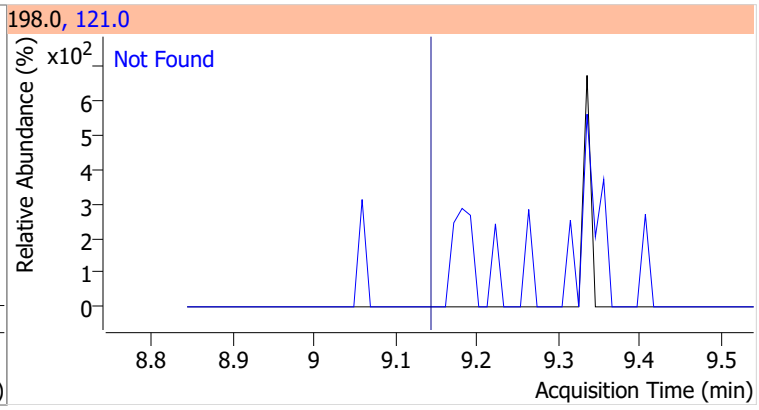
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



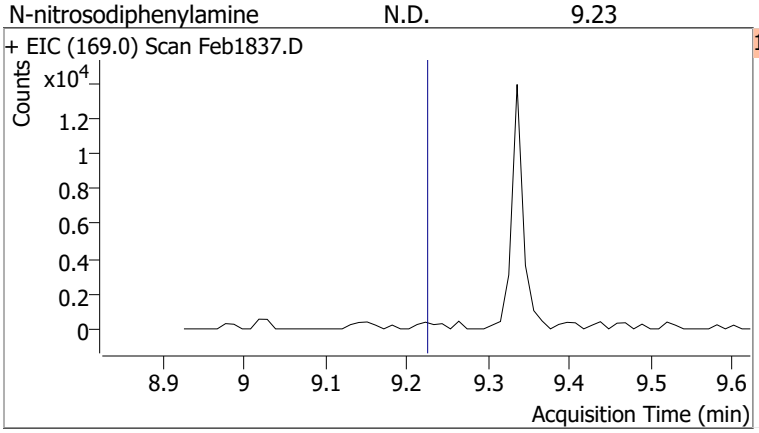


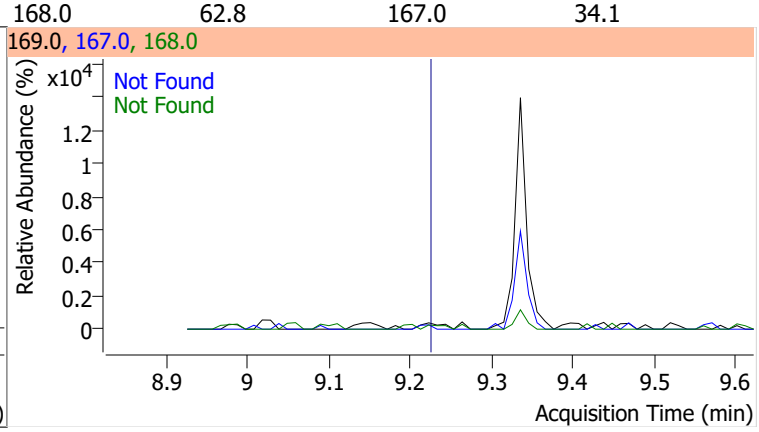
Compound	Conc.	Exp RT	QIon	Exp Ratio
4,6-Dinitro-2-methylphenol	N.D.	9.15	121.0	50.2



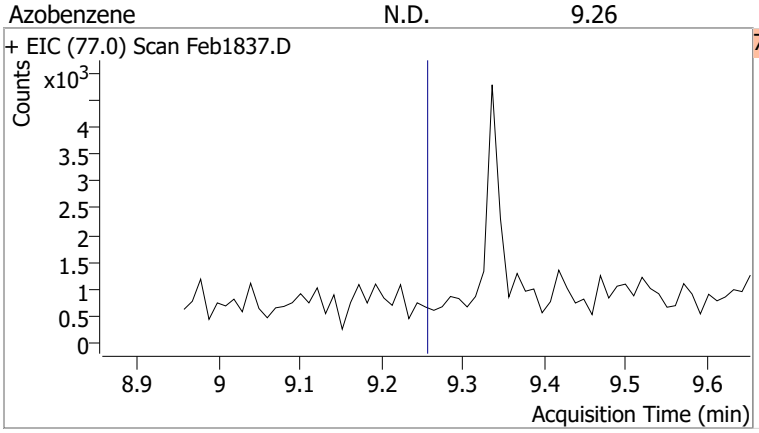


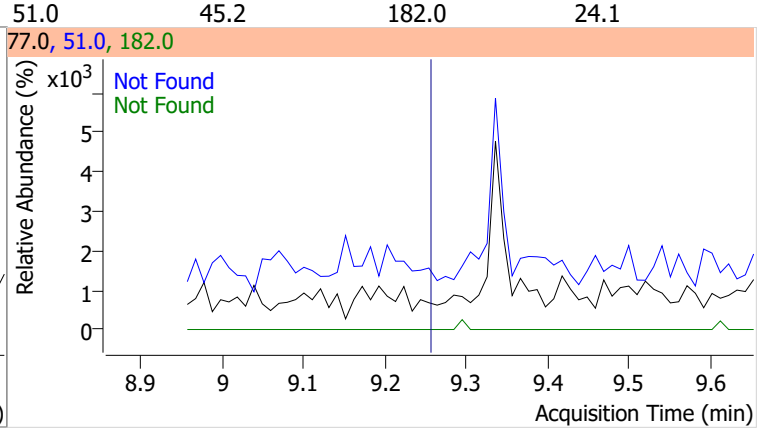
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



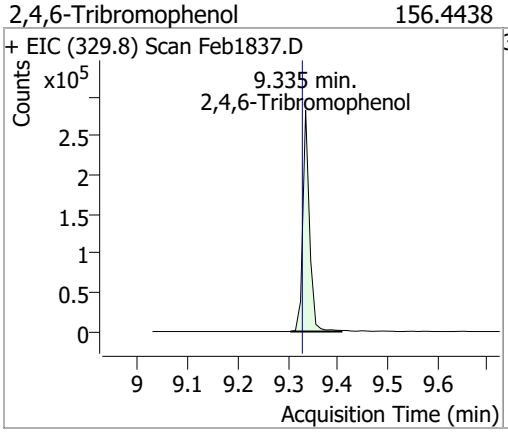


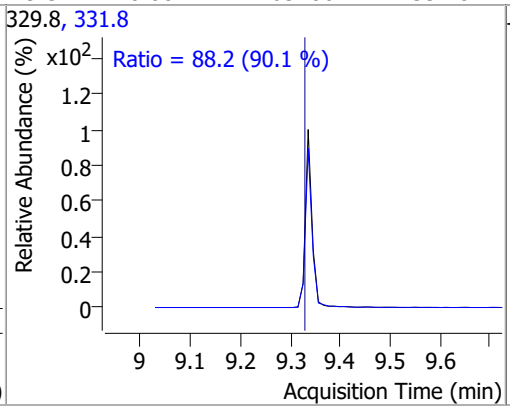
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

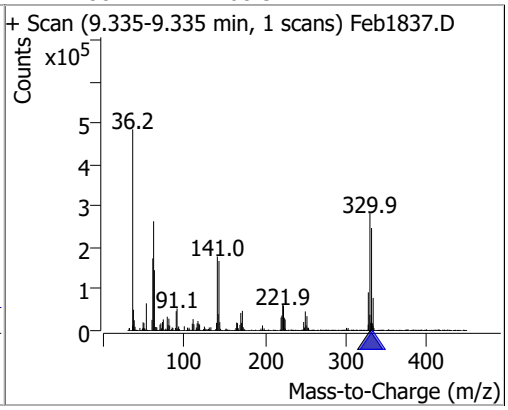




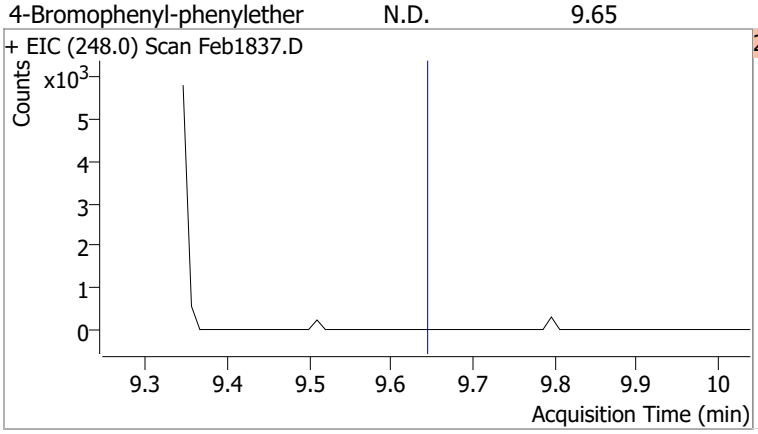
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	156.4438	9.34	0.00	265406	331.8	88.2	68.5	127.2

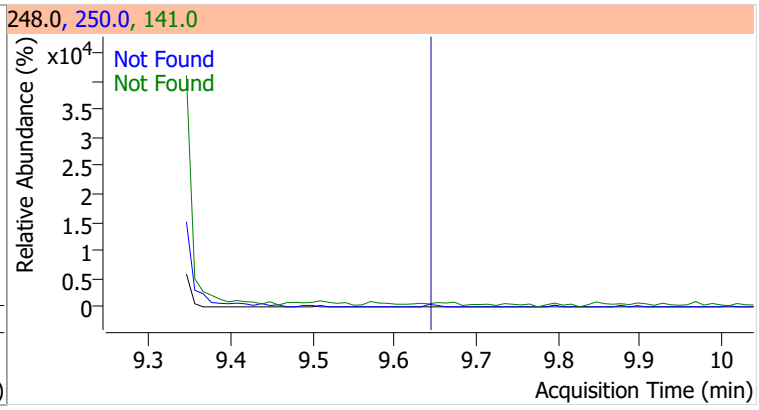




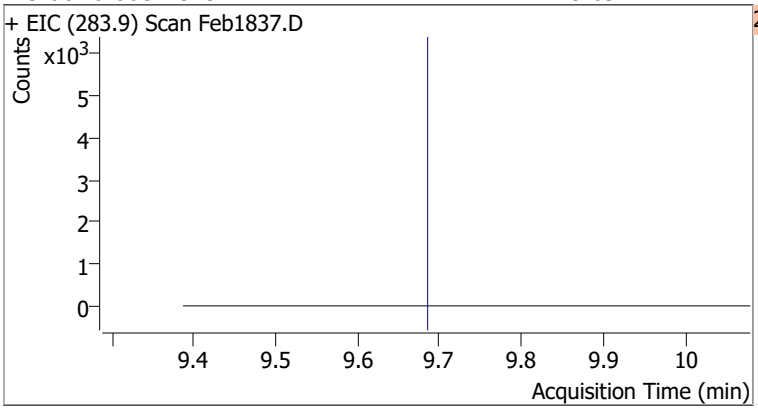


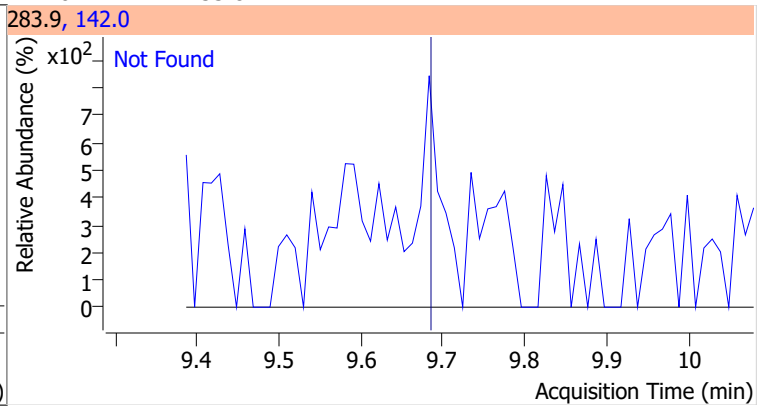
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



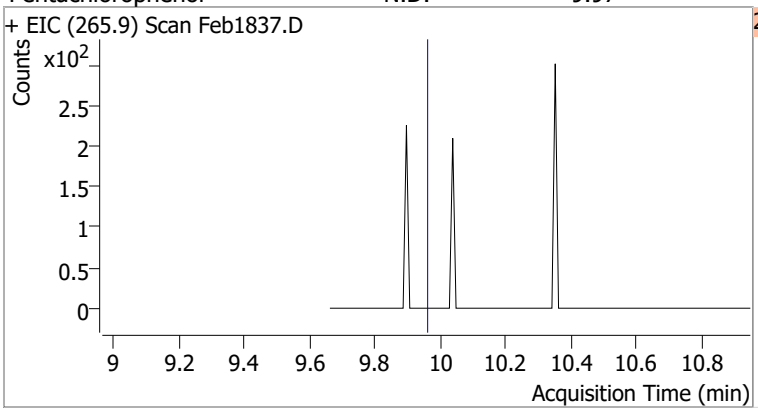


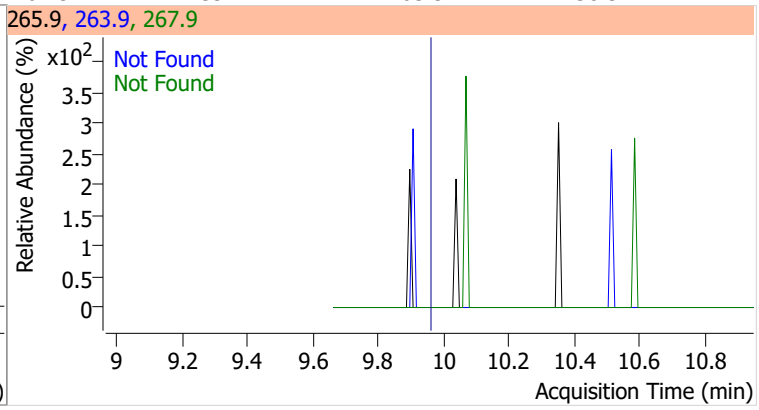
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



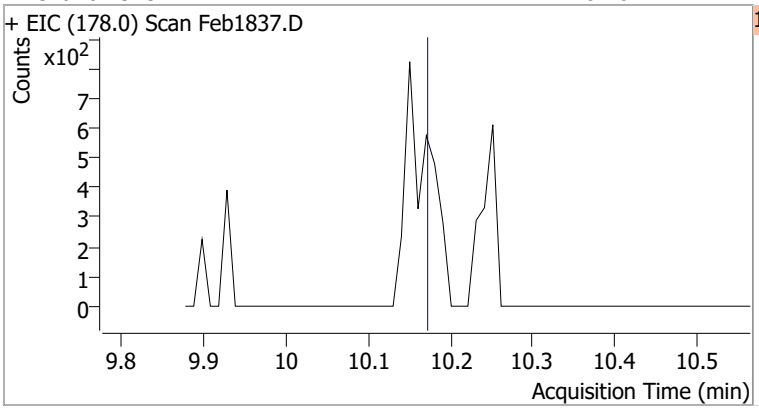


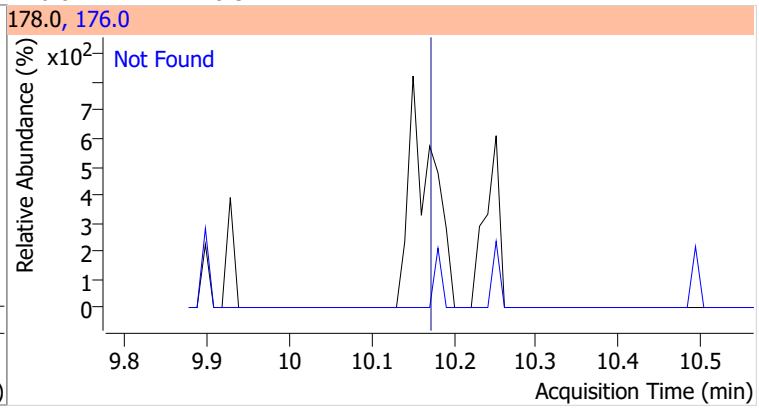
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



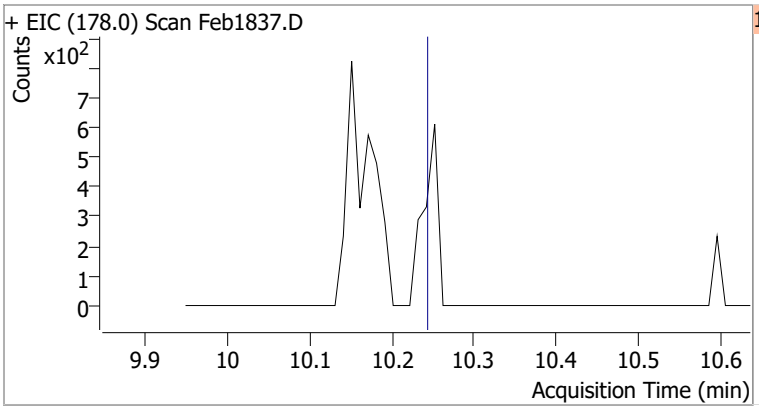


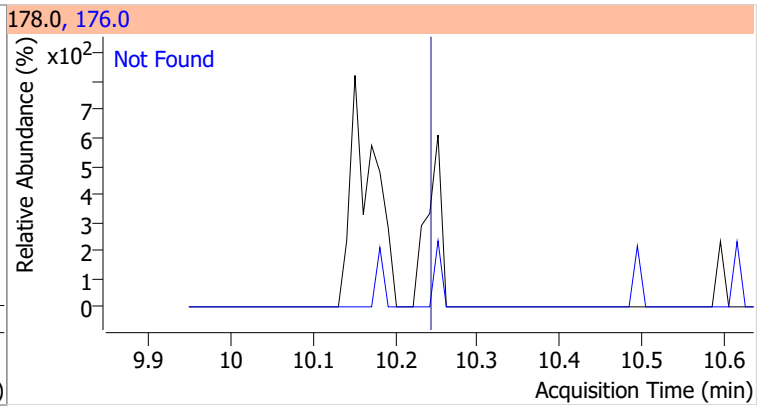
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



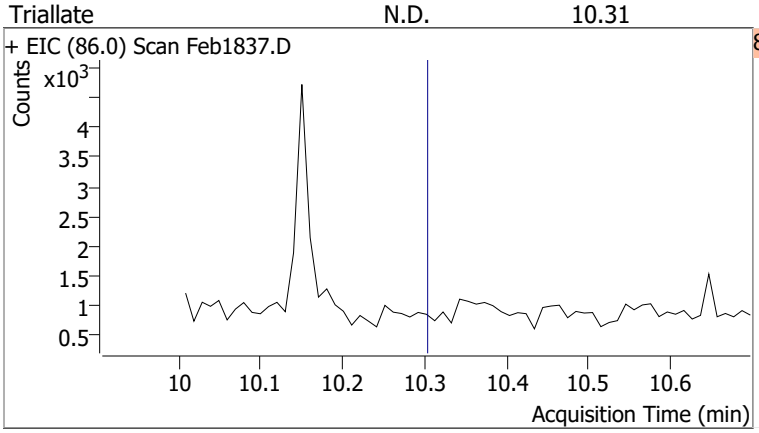


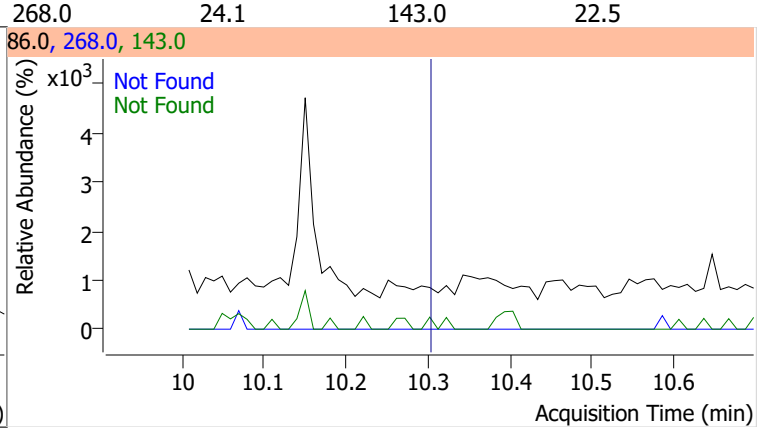
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



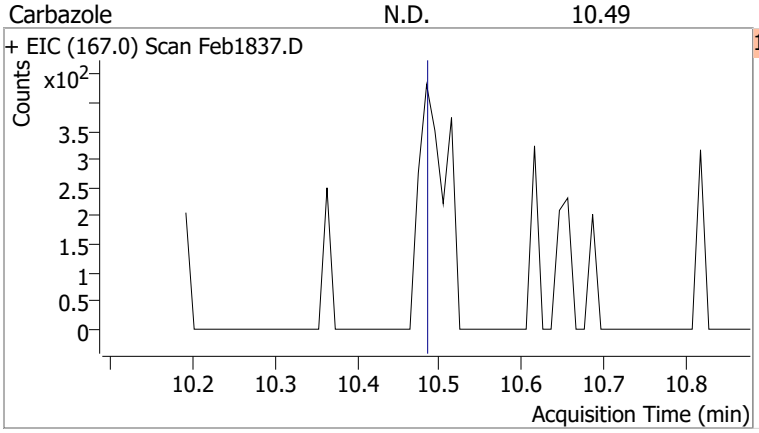


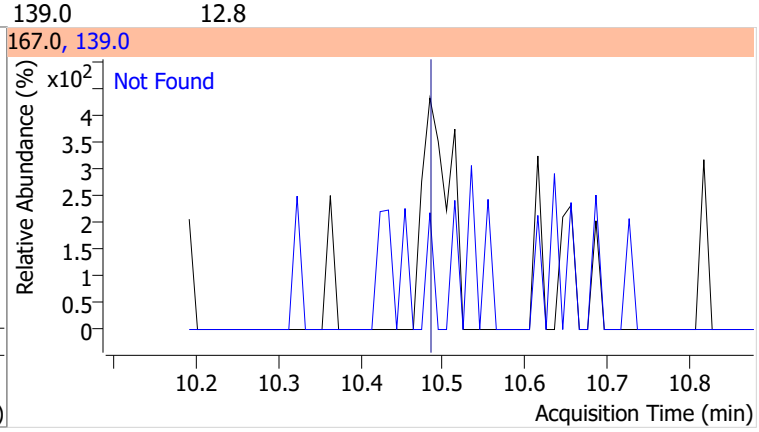
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



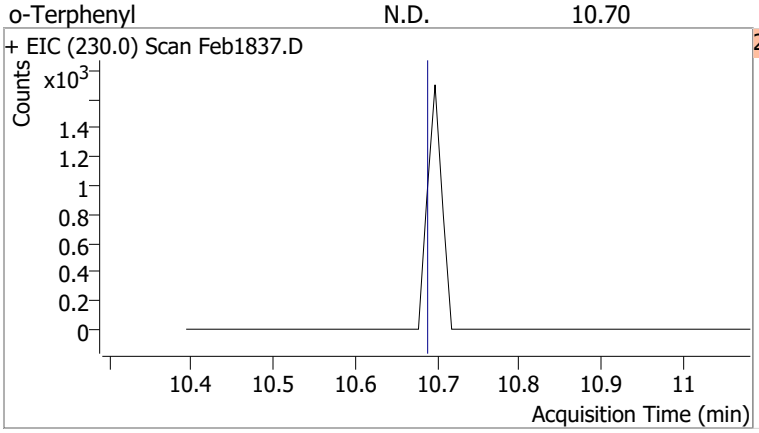


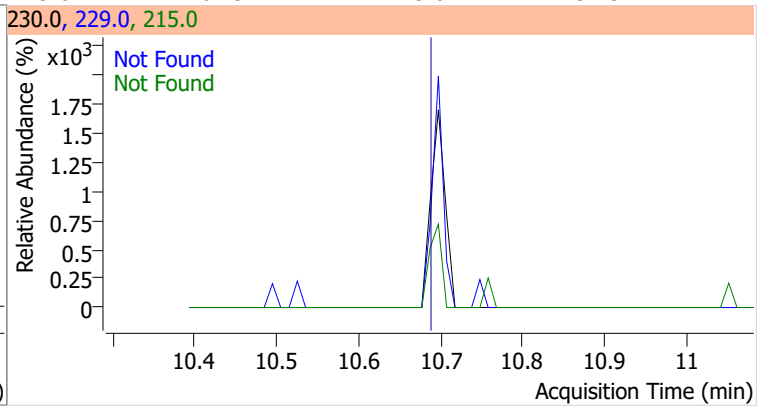
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



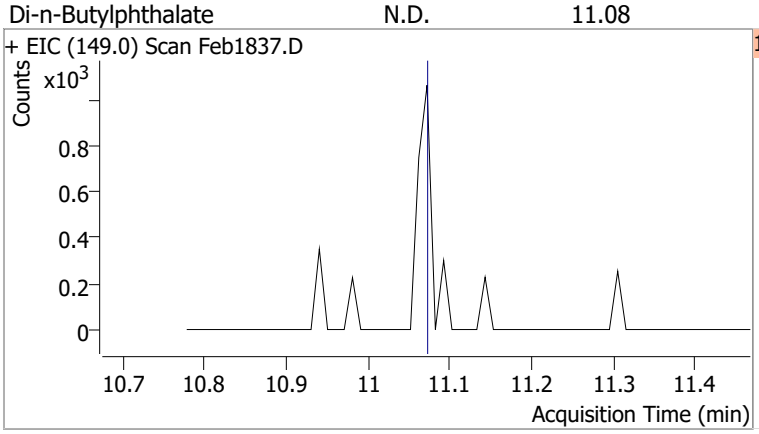


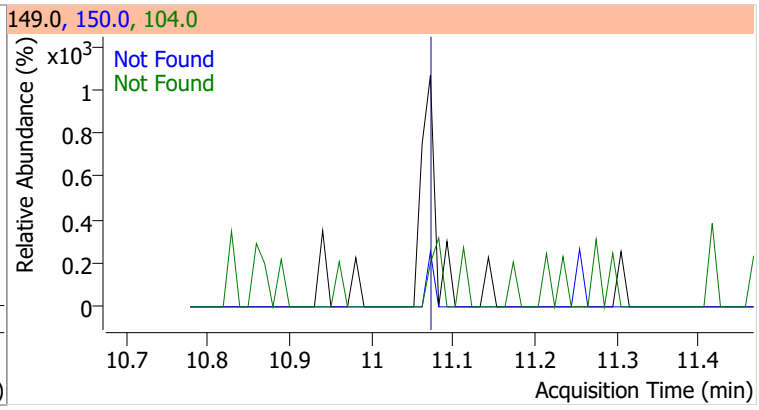
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



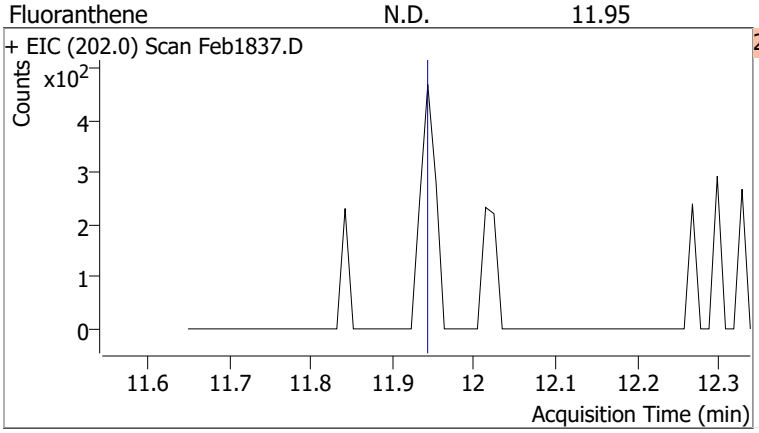


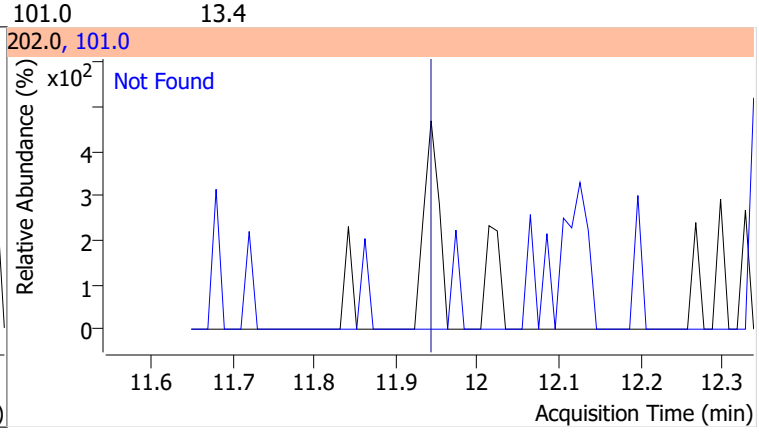
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



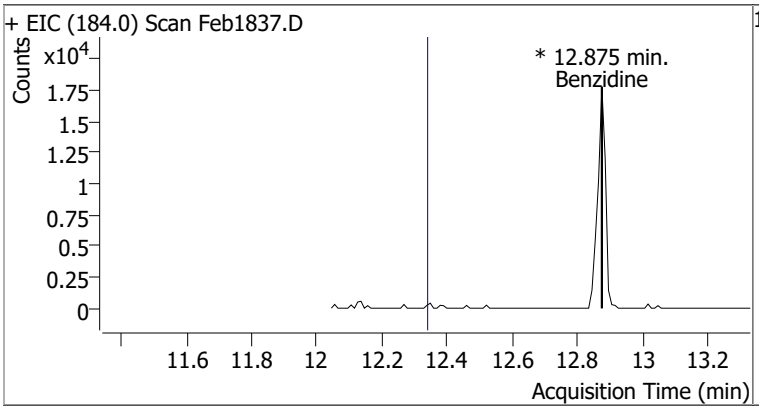


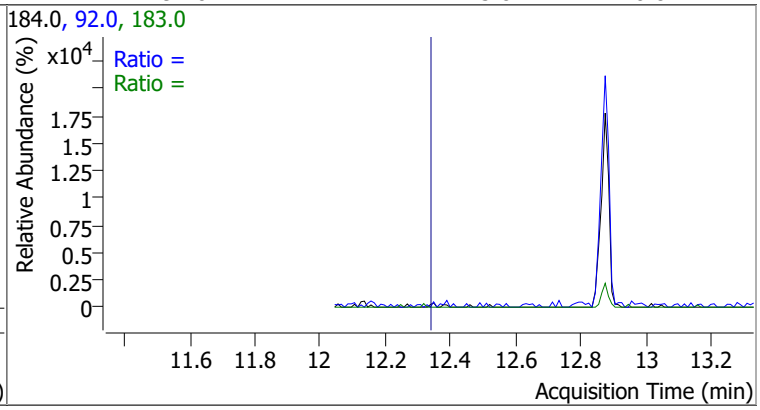
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



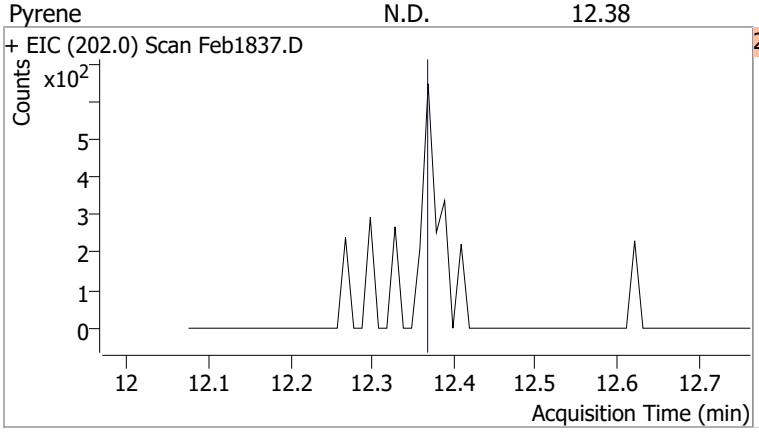


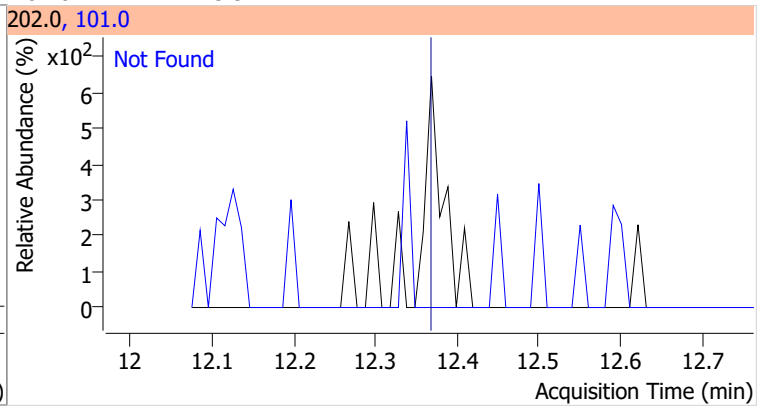
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



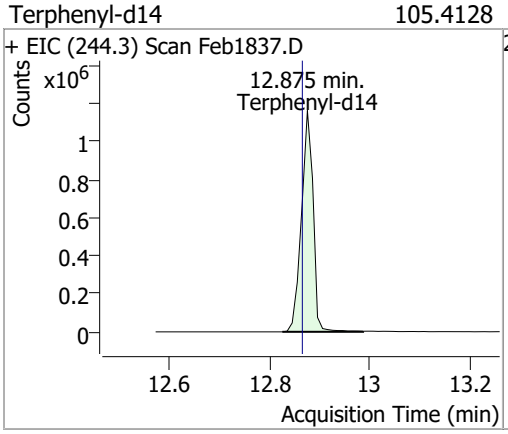


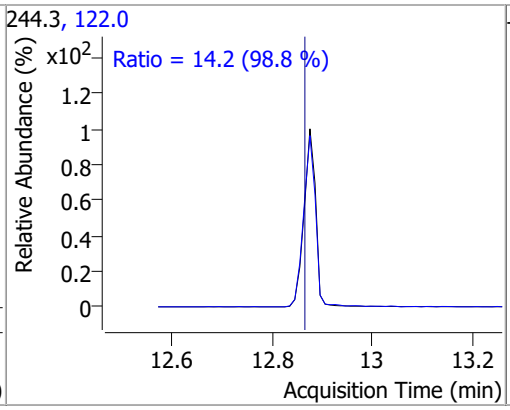
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

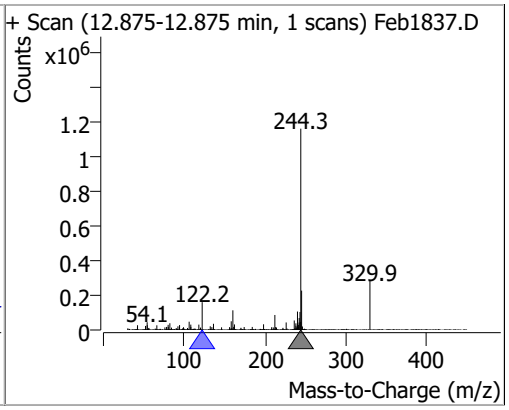




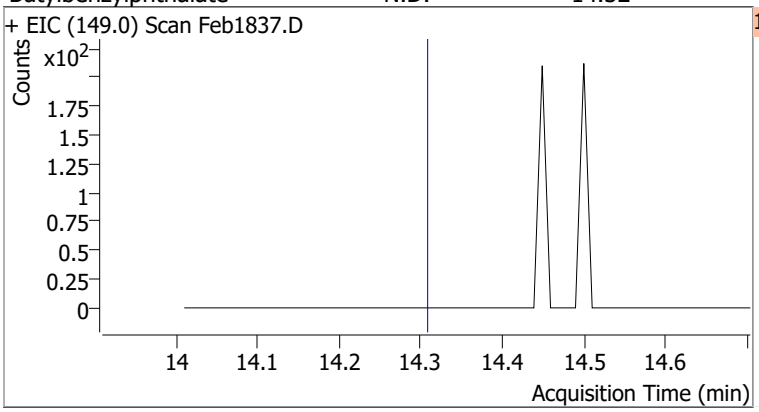
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	105.4128	12.88	0.00	1892194	122.0	14.2	10.1	18.7

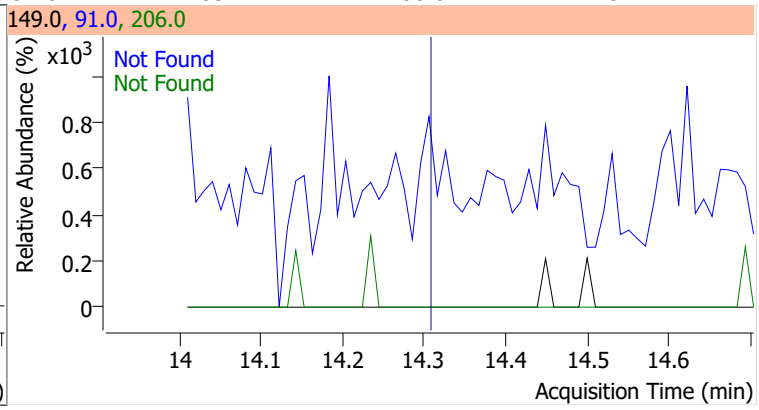




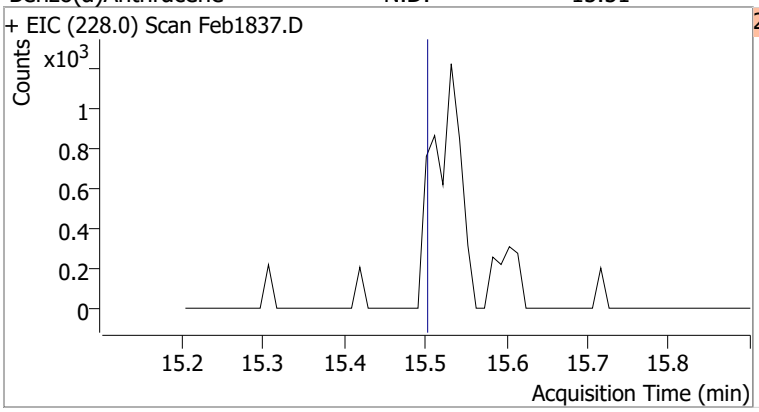


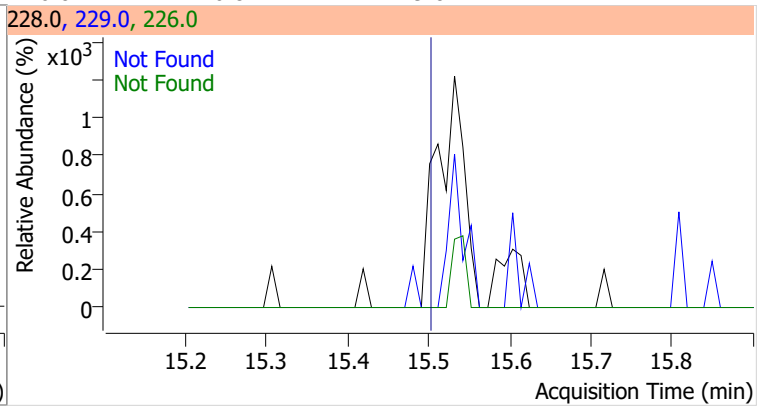
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



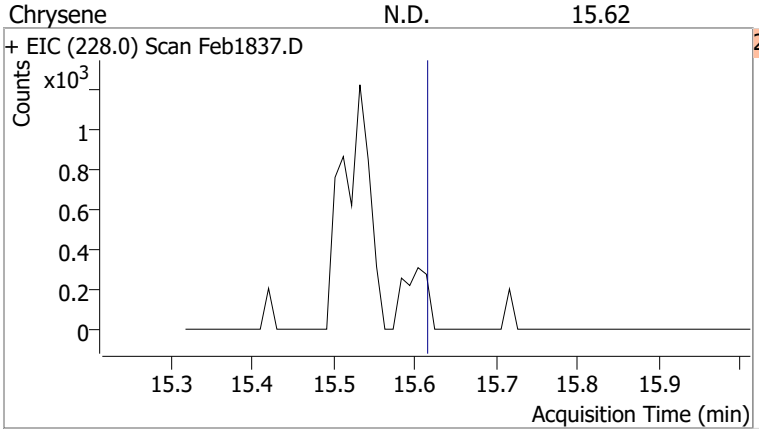


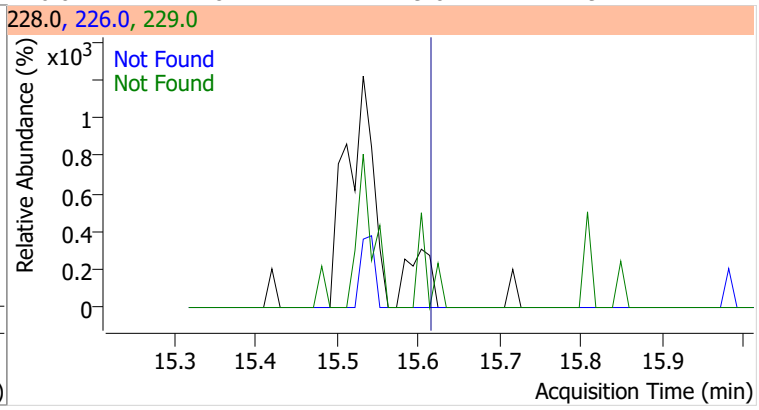
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



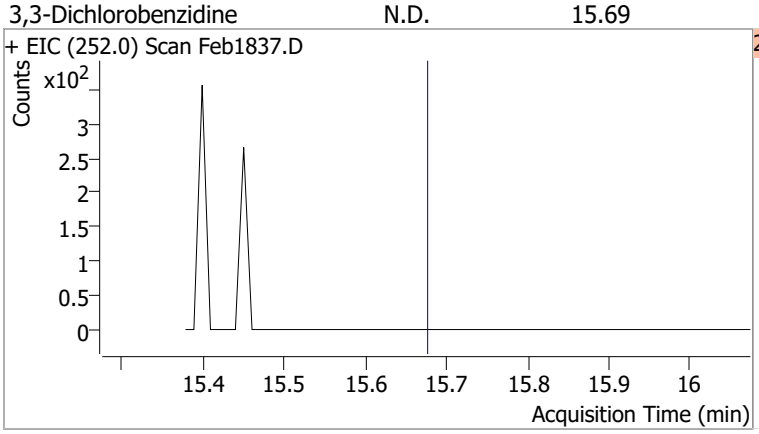


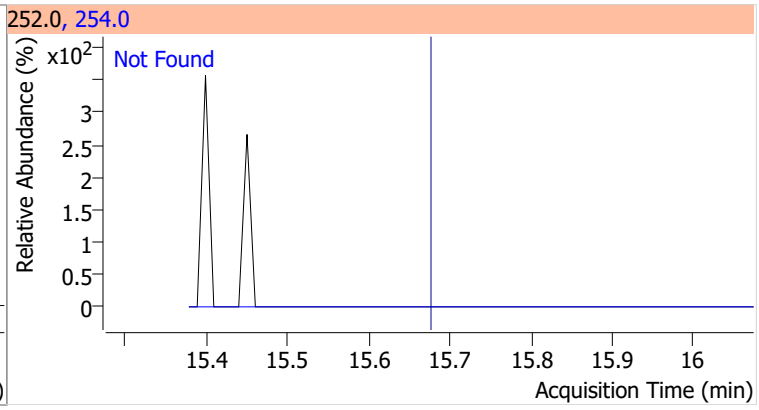
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



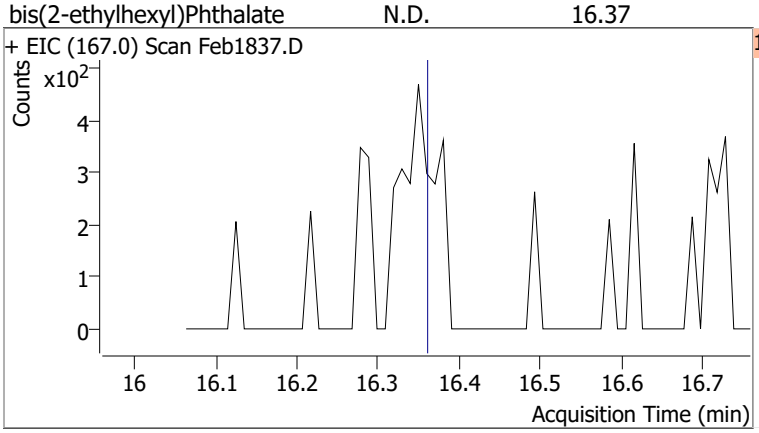


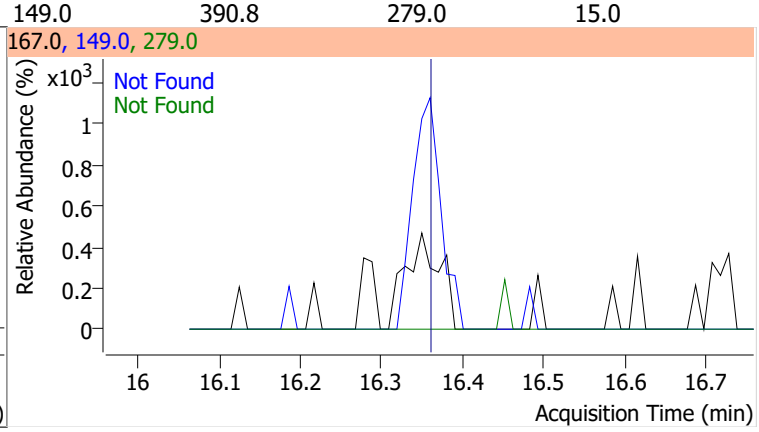
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



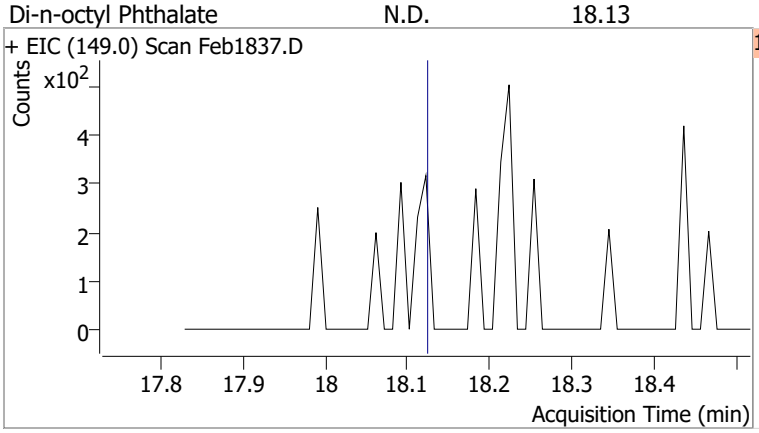


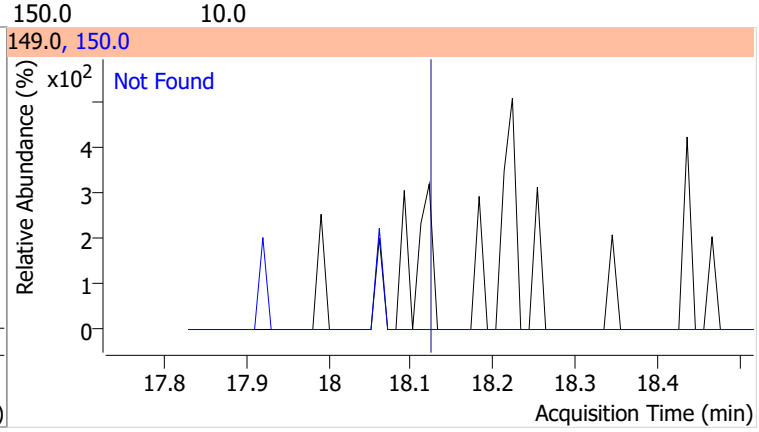
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



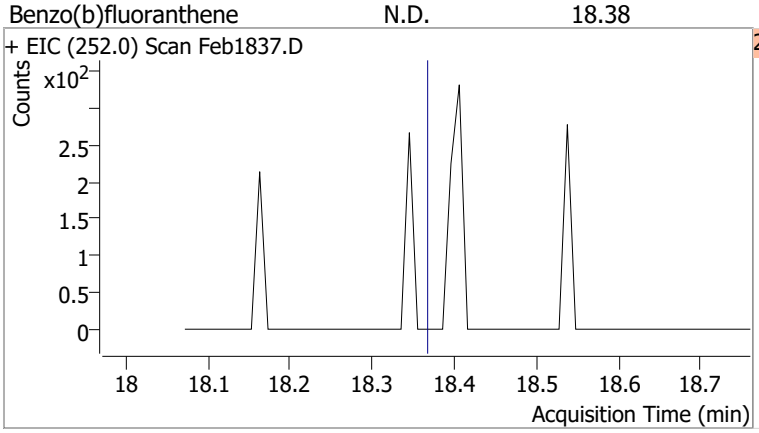


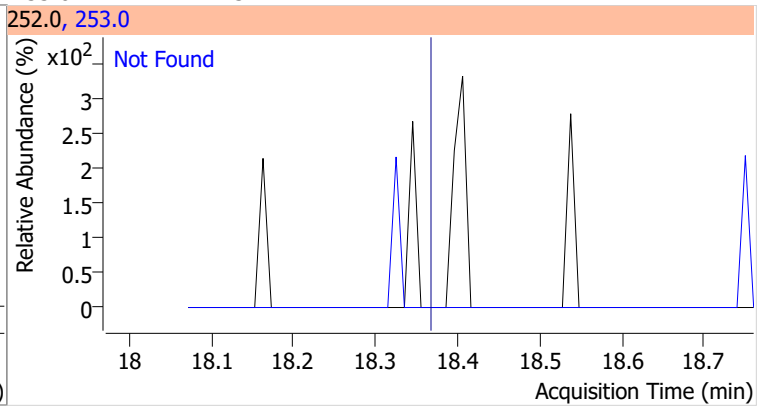
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



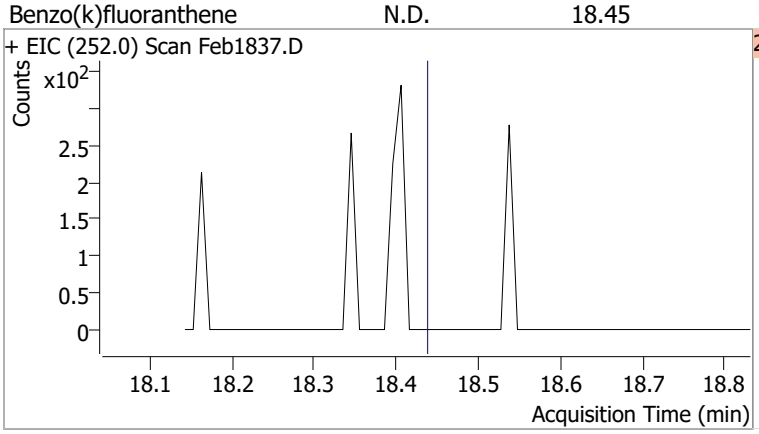


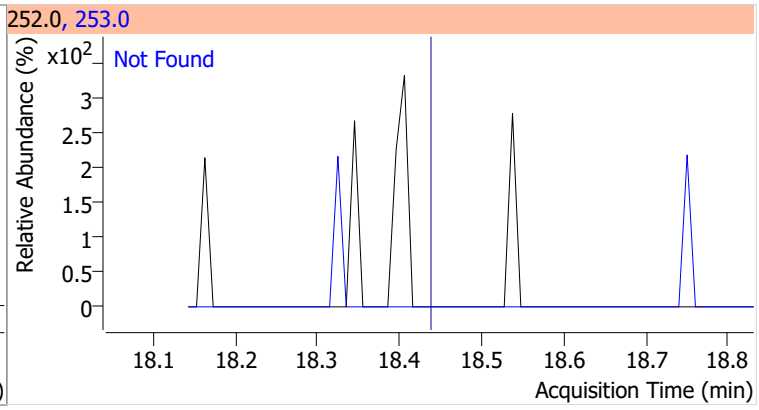
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



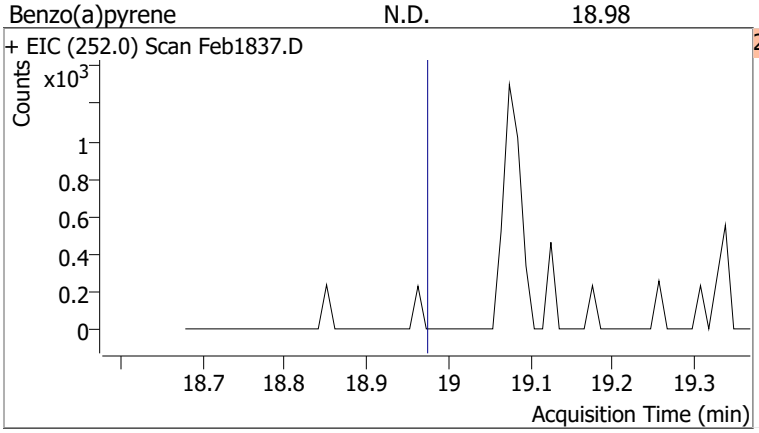


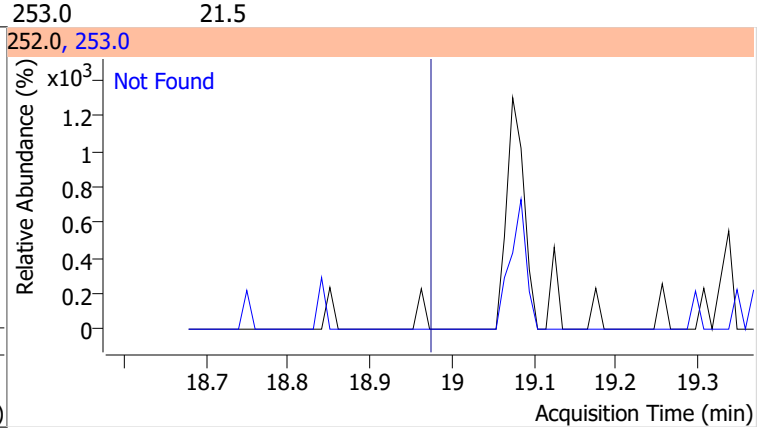
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



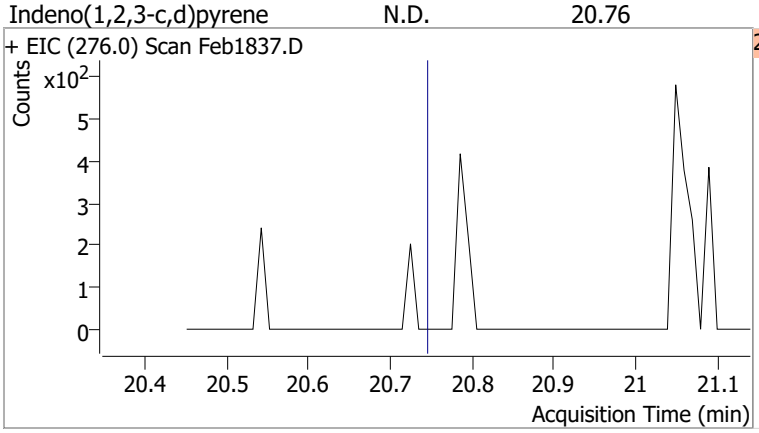


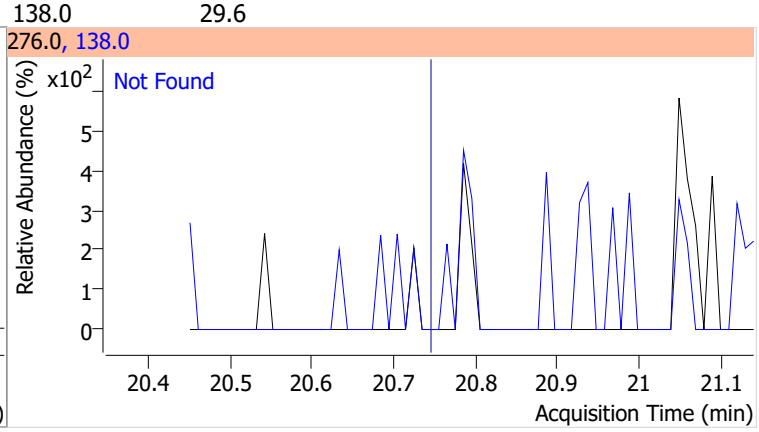
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



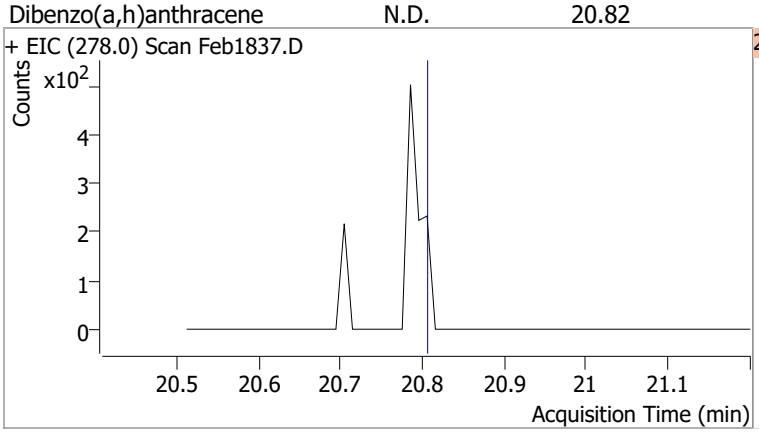


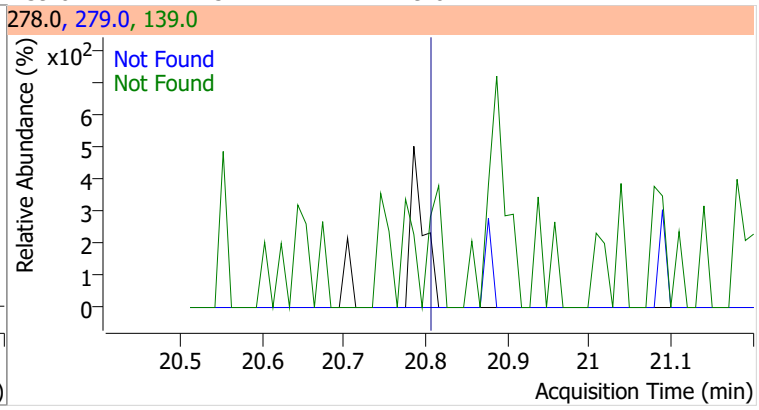
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



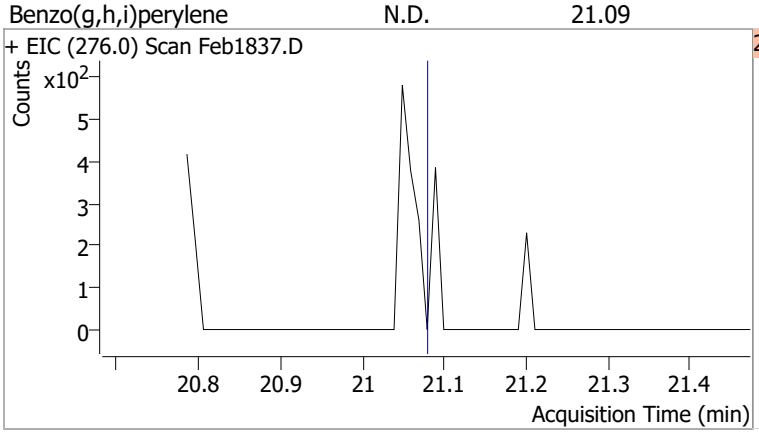


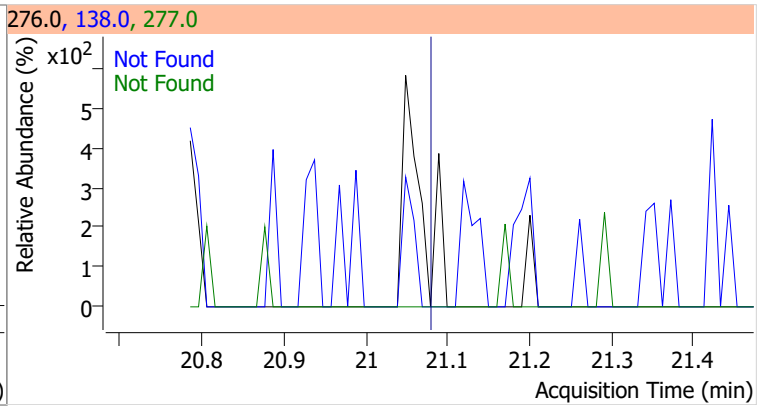
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





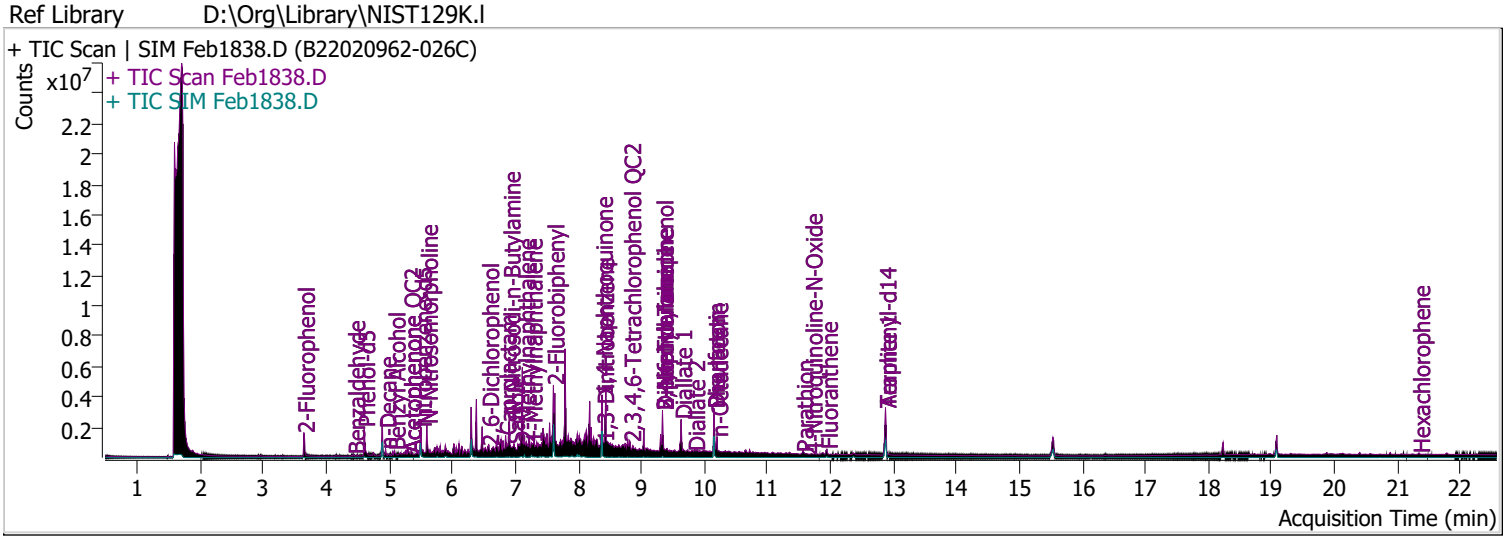
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1838.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/20/2022 3:44:42 AM
Sample Name	B22020962-026C	Instrument	Instrument #1
Vial	38	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



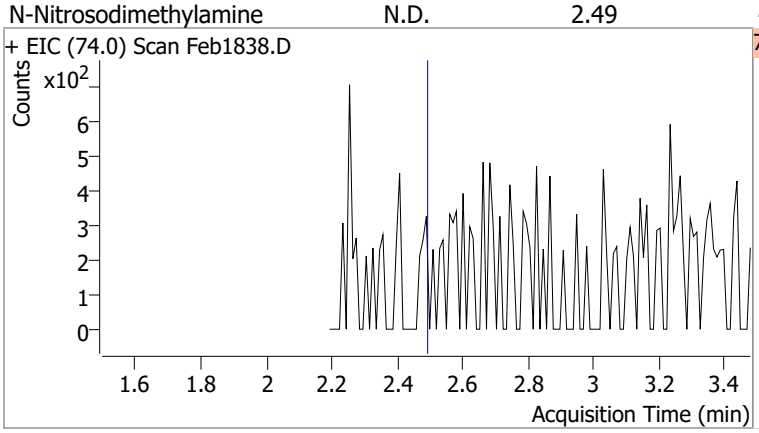
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	618105	68.8924	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 34.45%			
S Phenol-d5	4.603	99.0	718435	61.8929	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 30.95%			
S Nitrobenzene-d5	5.502	82.0	436510	67.7783	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 67.78%			
S 2-Fluorobiphenyl	7.605	172.0	1190440	60.5907	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 60.59%			
S 2,4,6-Tribromophenol	9.336	329.8	220262	124.4415	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 62.22%			
S Terphenyl-d14	12.875	244.3	1734981	86.5820	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 86.58%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	4.889	63.0	0		µg/L	md	1
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	5.083	108.0	83527	19.0357	µg/L		87
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	5.083	107.0	0		µg/L	md	1
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	5.502	117.0	0		µg/L	md	1

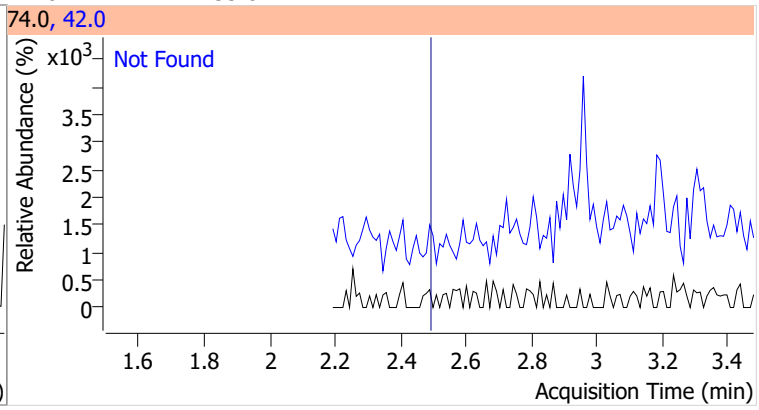
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.461	123.1	0		µg/L	md	1
T Isophorone	5.900	82.0	0		µg/L	md	1
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	6.157	122.0	0		µg/L	md	1
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	6.311	162.0	0		µg/L	md	1
T Benzoic Acid	6.311	105.0	0		µg/L	md	1
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	6.383	130.0	0		µg/L	md	1
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	7.143	141.0	35779	1.4965	µg/L	#	84
T 1-Methylnaphthalene	7.256	141.0	39920	1.8417	µg/L		96
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	7.790	196.0	0		µg/L	md	1
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	7.790	65.0	0		µg/L	md	1
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	8.773	184.0	0		µg/L	md	1
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	8.691	165.0	0		µg/L	md	1
T 4-Nitrophenol	8.794	109.0	0		µg/L	md	1
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.418	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	11.943	202.0	71570	2.1925	µg/L		100
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	18.234	149.0	0		µg/L	md	1

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

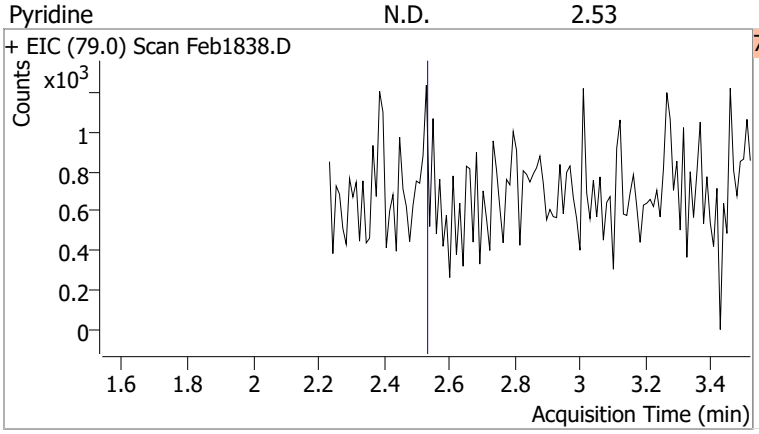
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

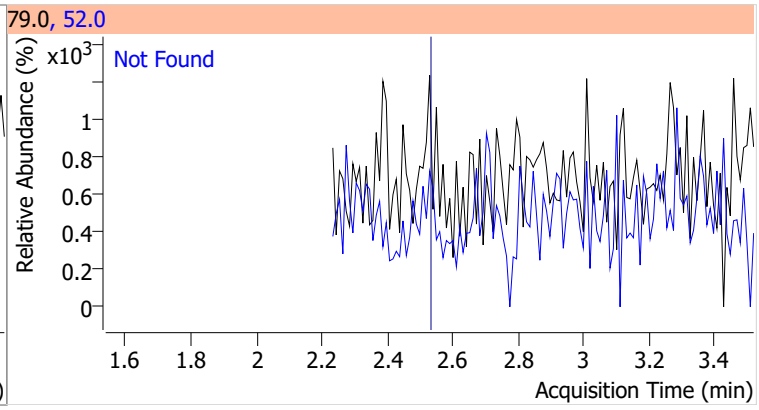
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



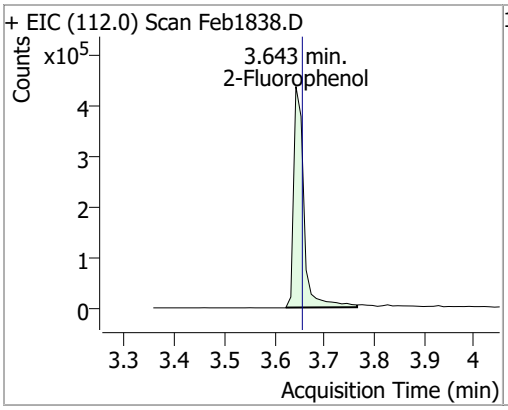


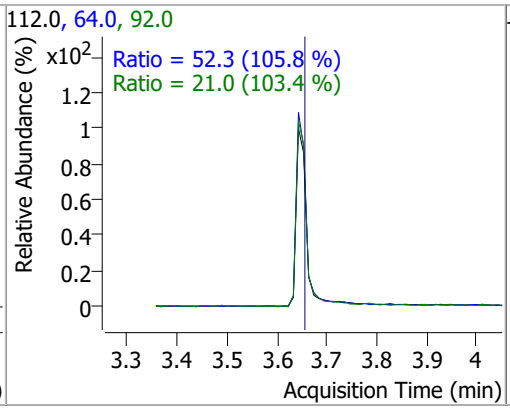
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

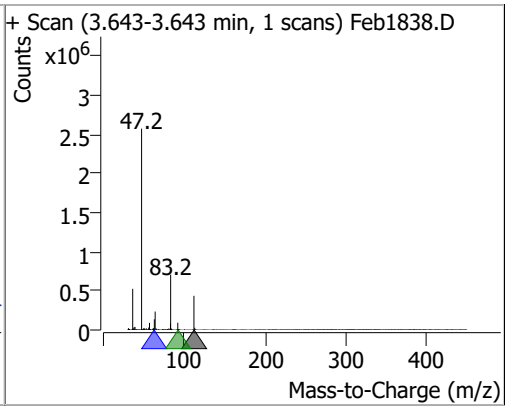




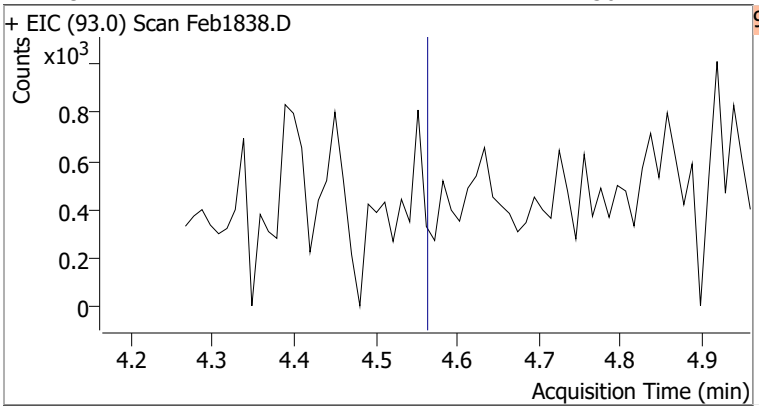
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	68.8924	3.64	-0.01	618105	64.0	52.3	34.6	64.3
					92.0	21.0	14.2	26.5

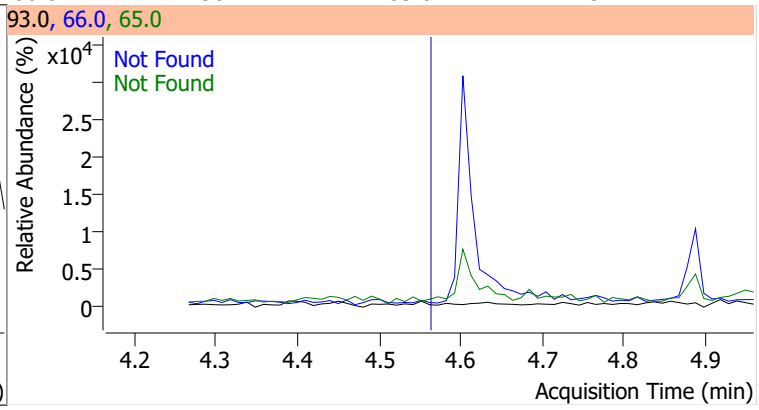




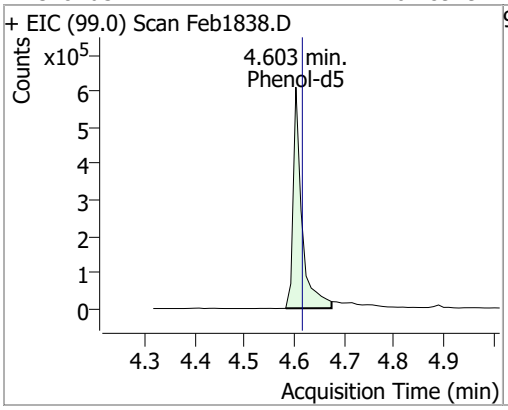


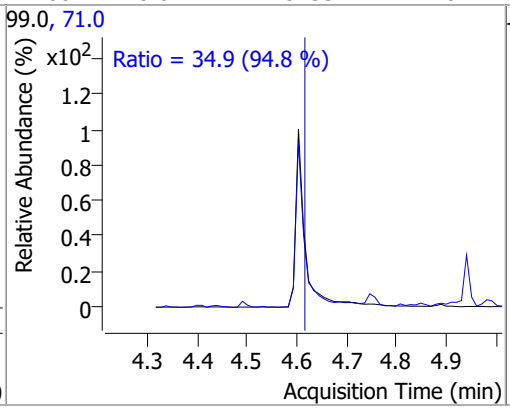
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

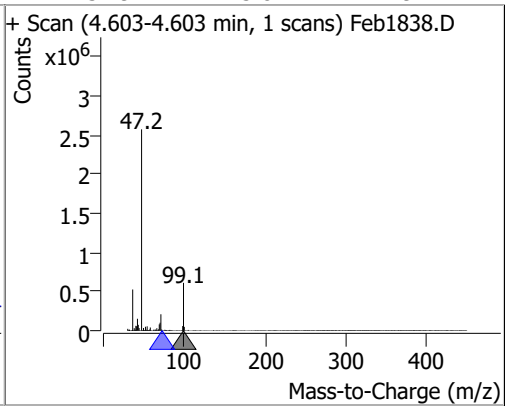




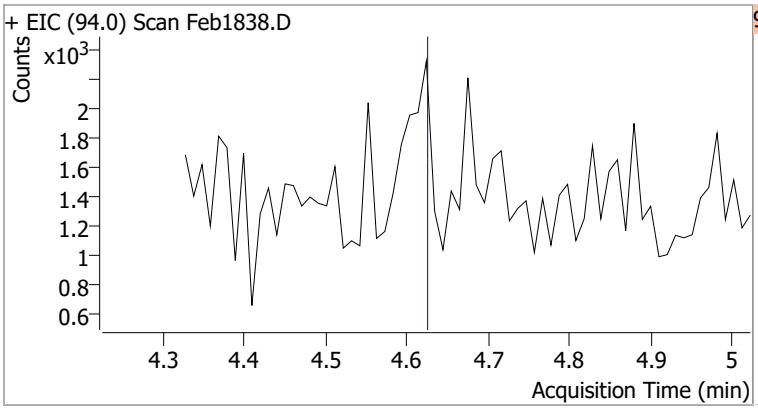
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	61.8929	4.60	-0.01	718435	71.0	34.9	25.8	47.9

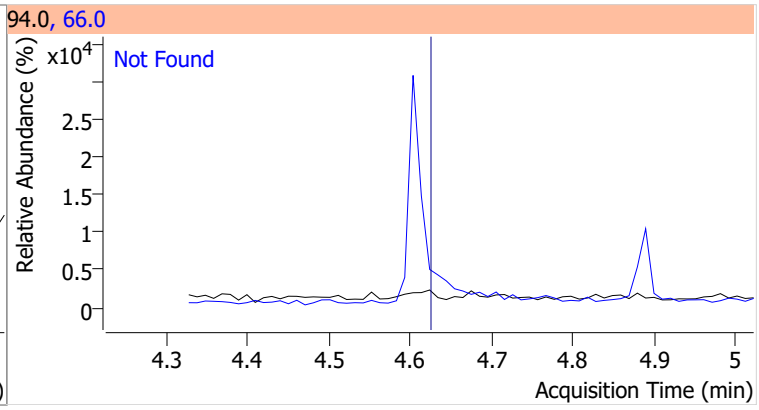




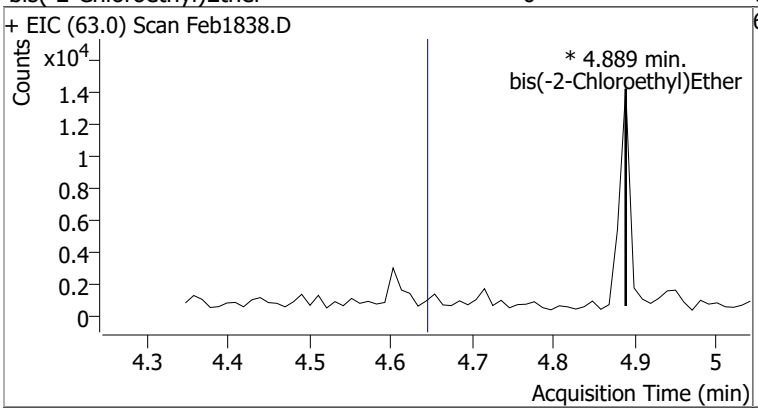


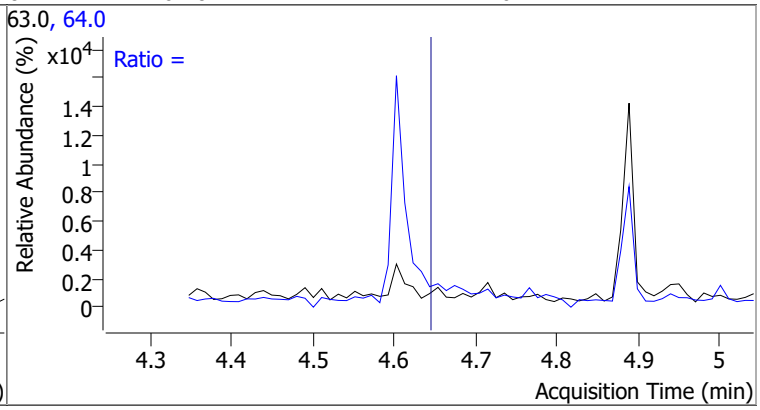
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



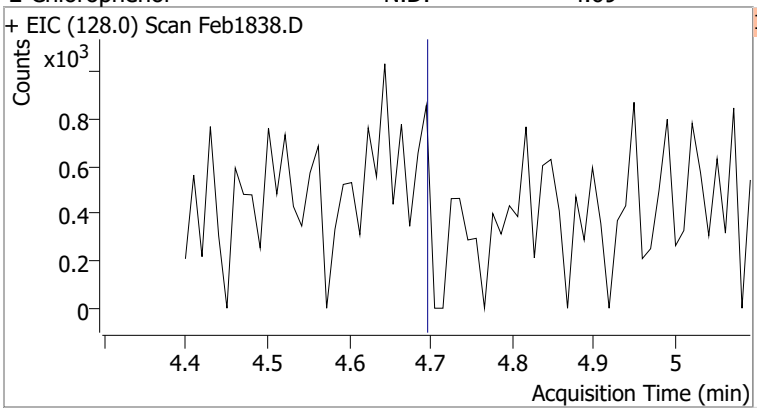


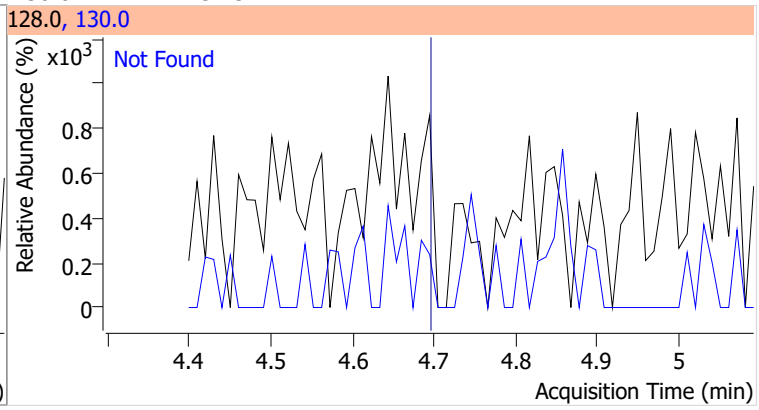
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether		0		0	64.0		7.6	14.1



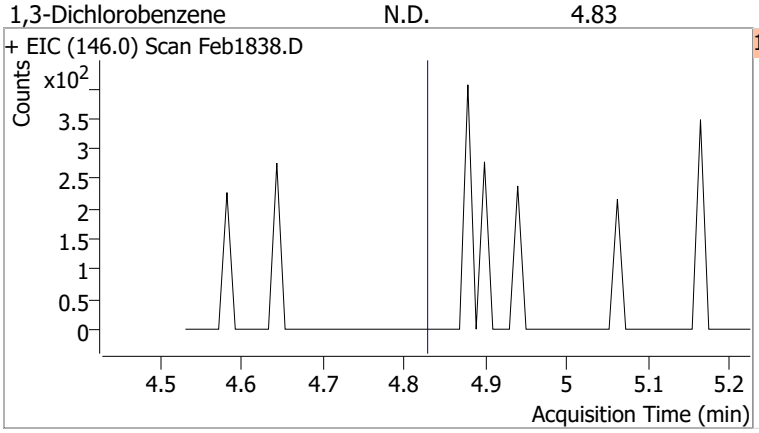


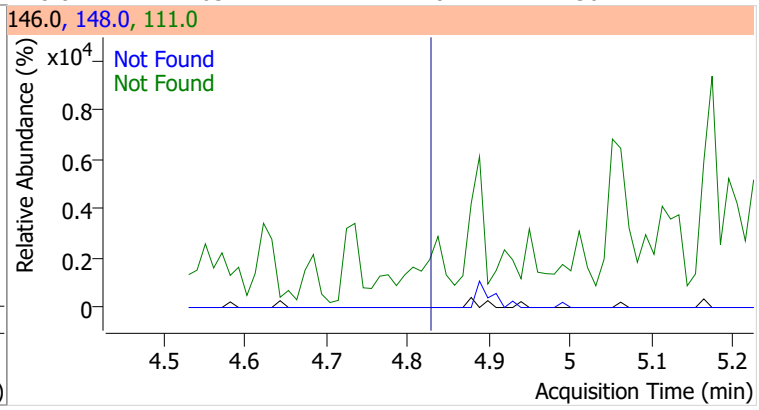
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



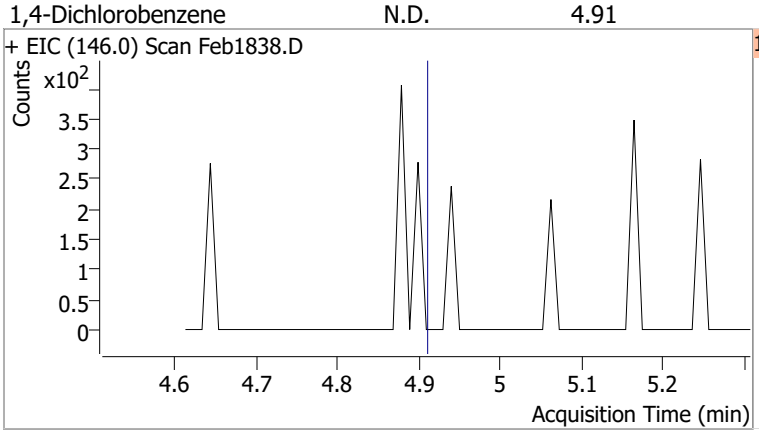


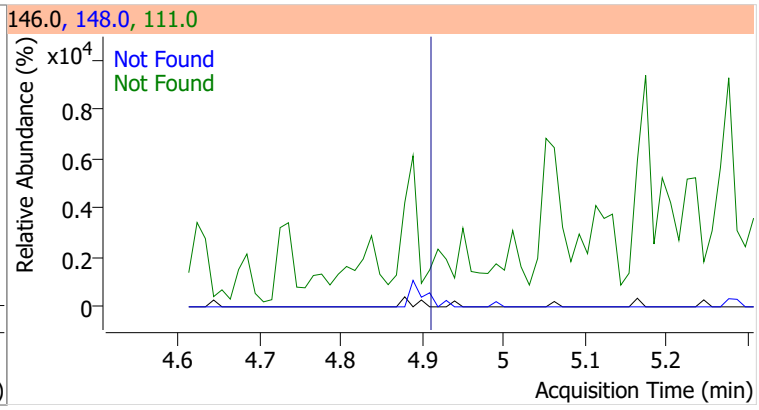
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



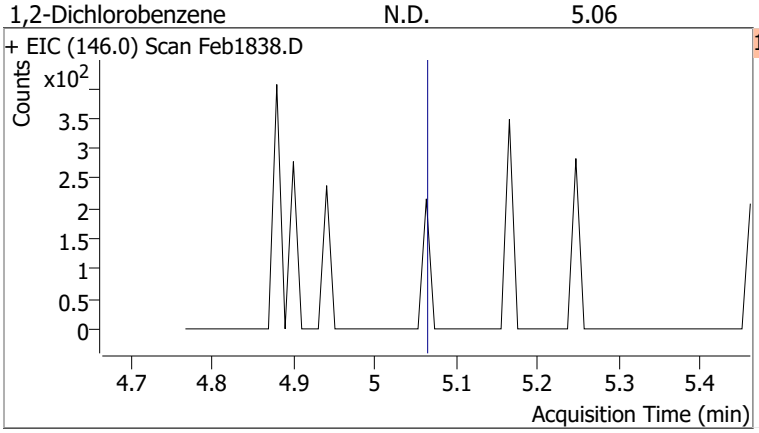


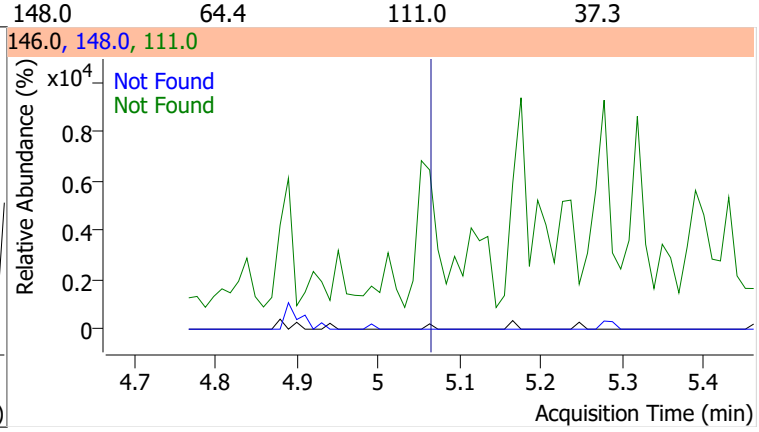
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



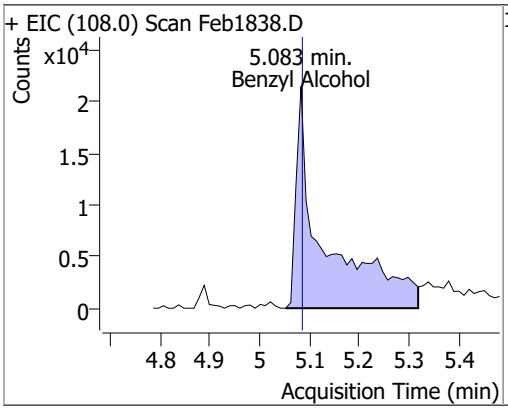


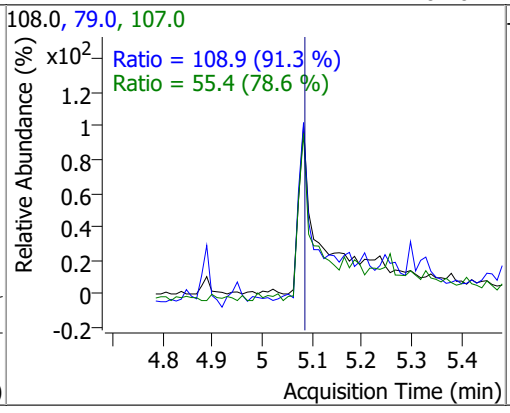
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3

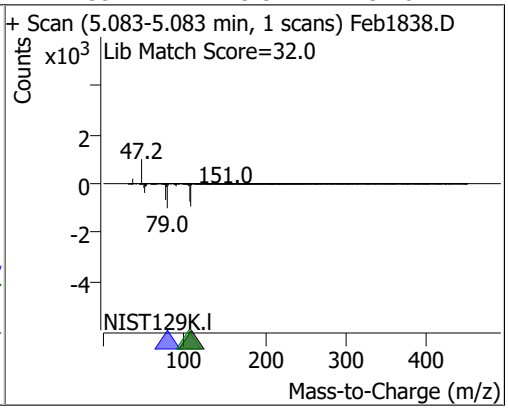




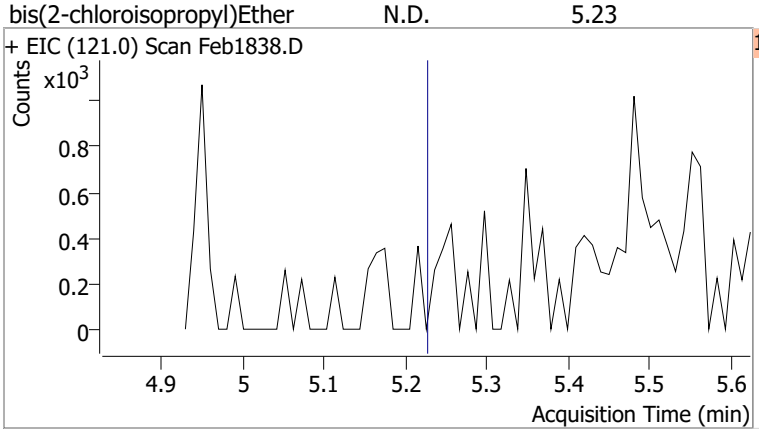
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	19.0357	5.08	0.00	83527	79.0	108.9	83.5	155.1
					107.0	55.4	49.3	91.6

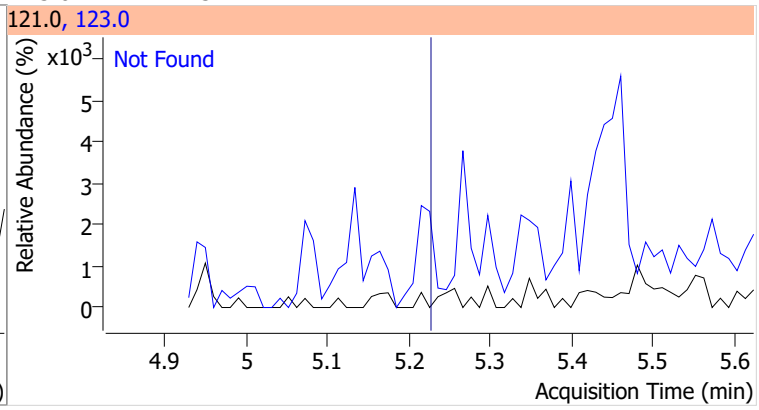




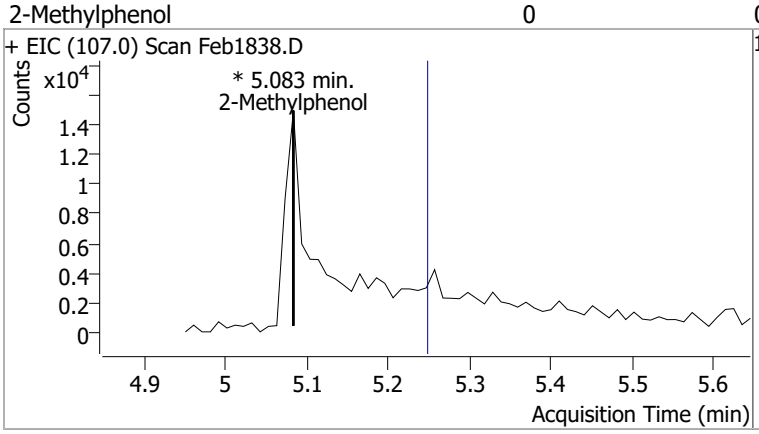


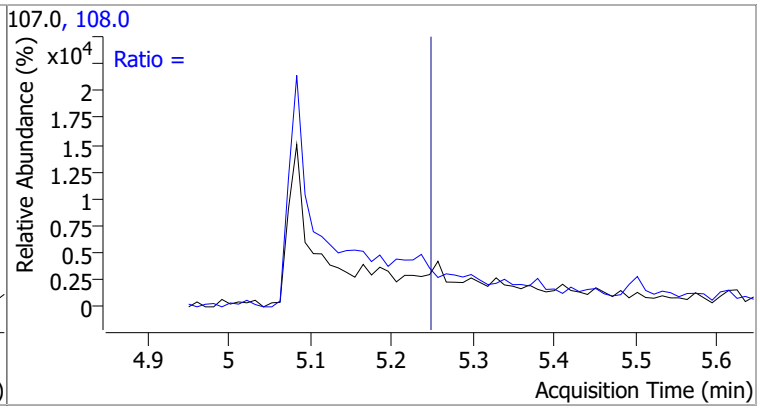
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



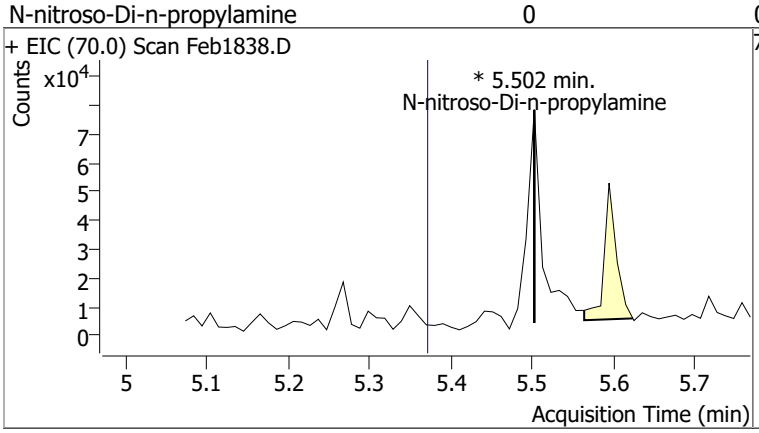


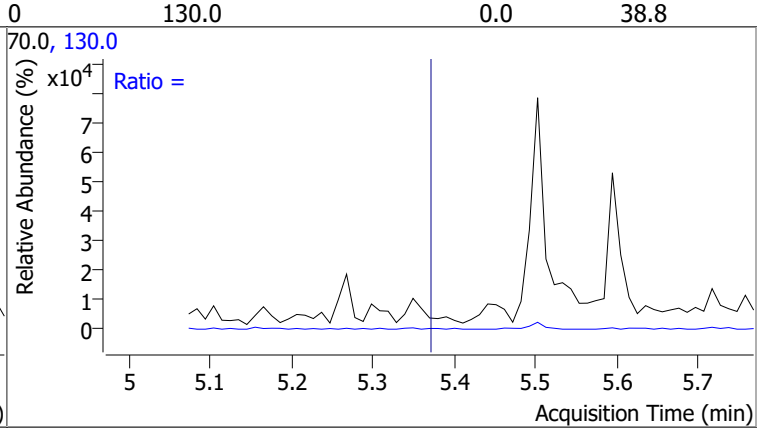
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol		0		0	108.0		81.5	151.4



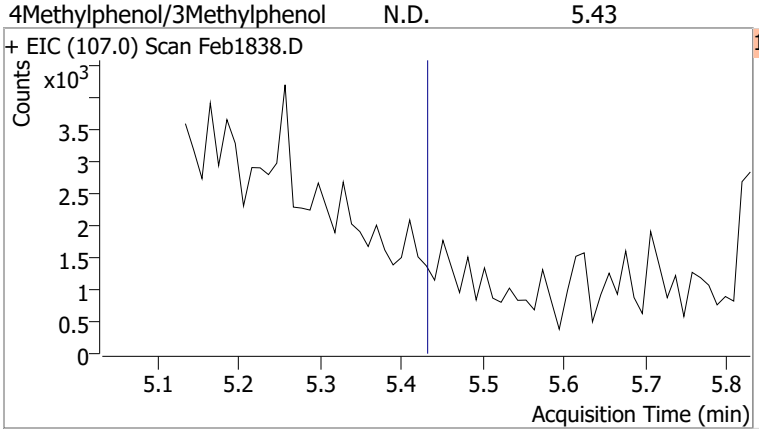


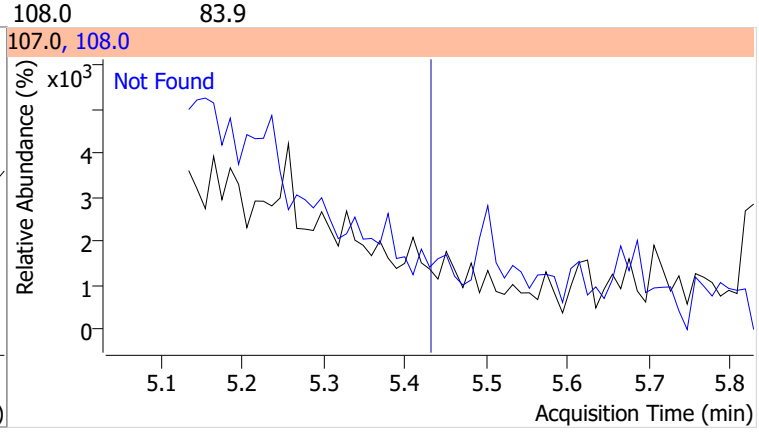
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



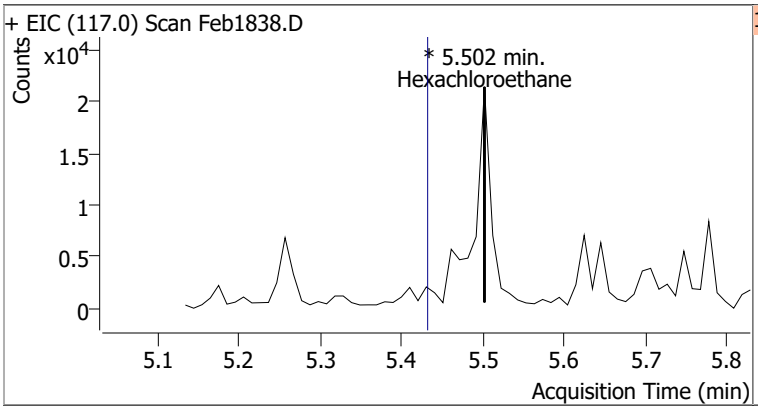


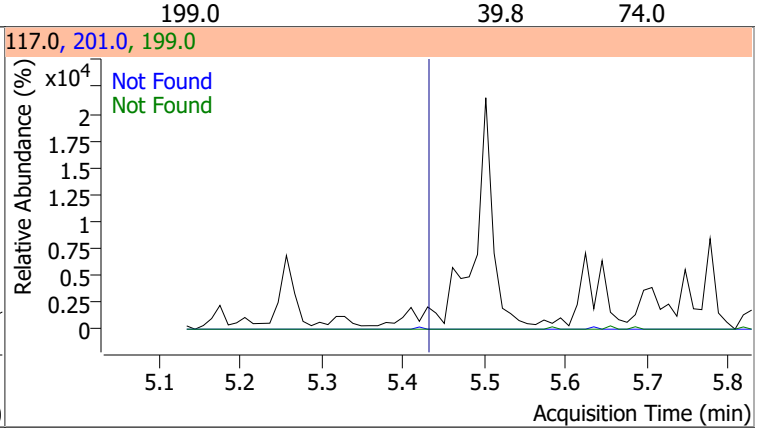
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



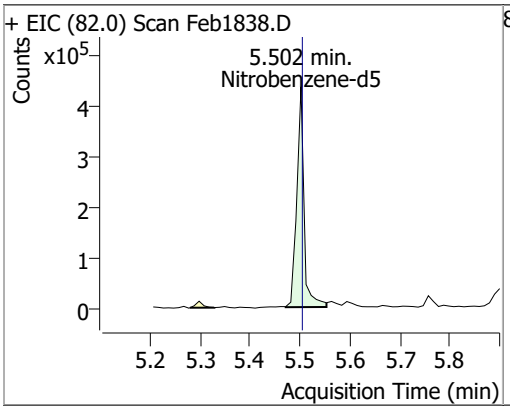


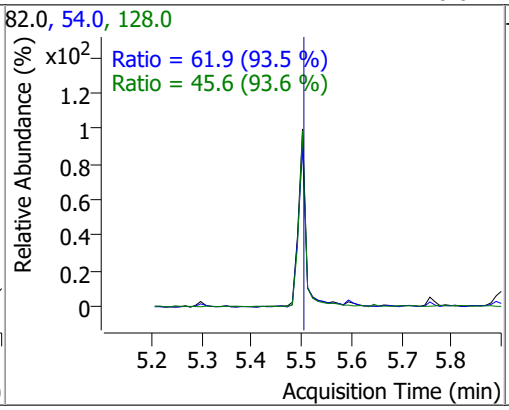
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane		0		0	201.0		63.5	118.0
					199.0		39.8	74.0

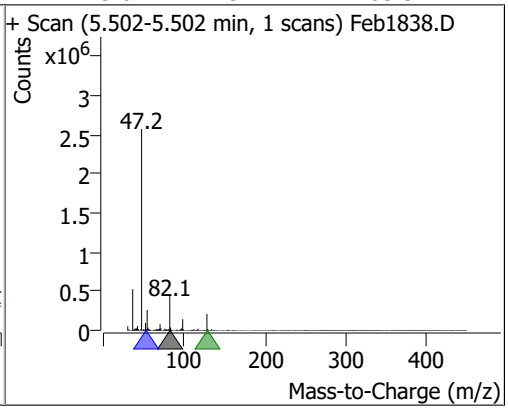




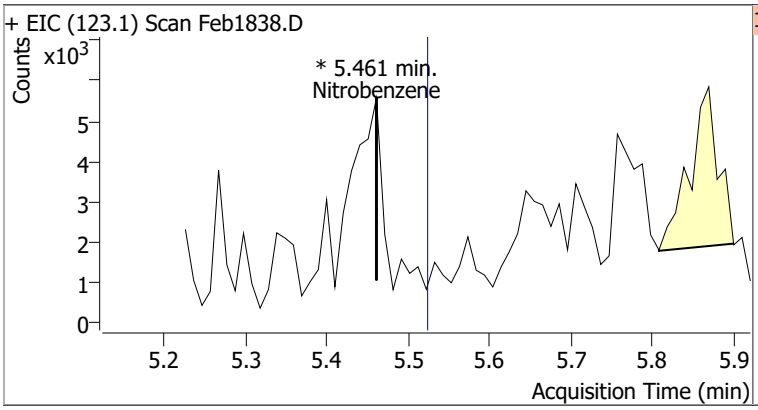
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	67.7783	5.50	0.00	436510	54.0	61.9	46.3	86.0
					128.0	45.6	34.1	63.3

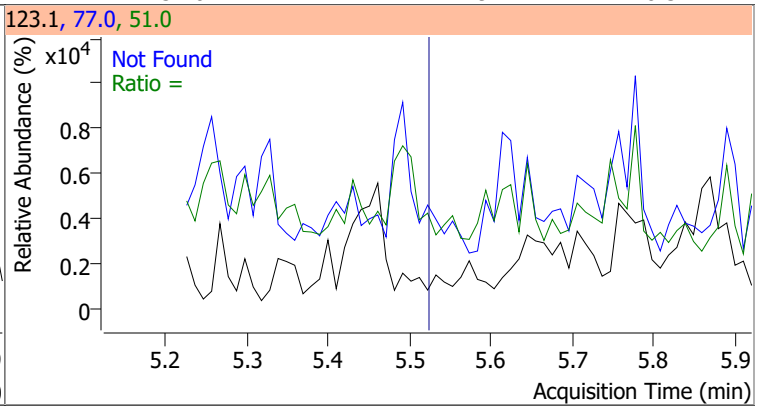




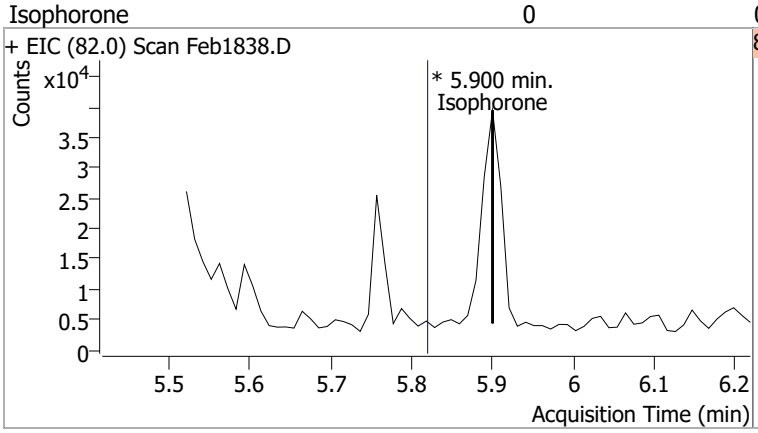


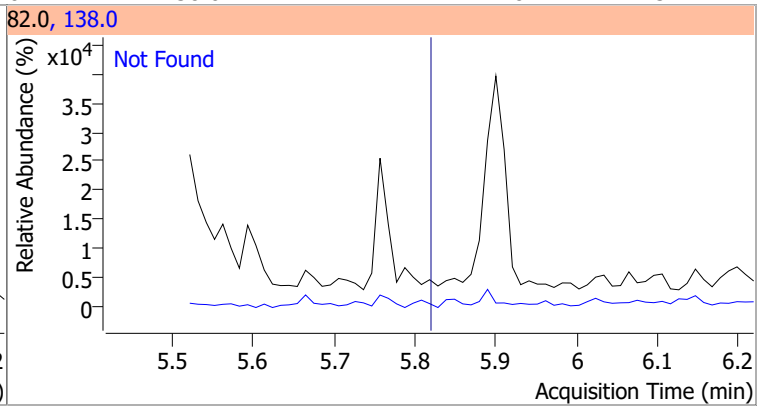
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene		0		0	77.0		148.9	276.5
					51.0		91.7	170.3



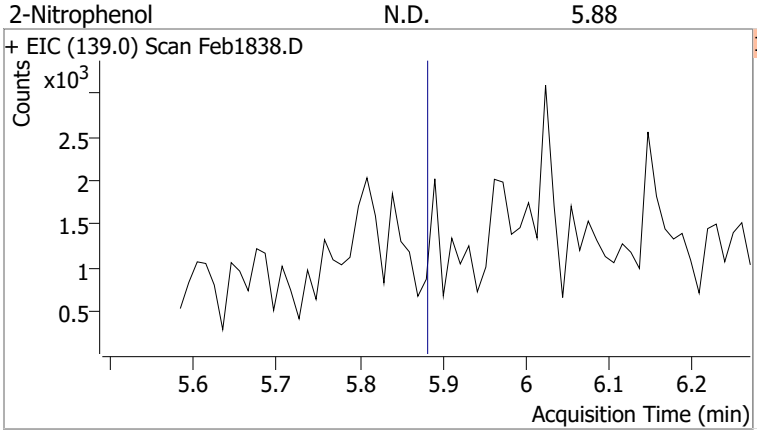


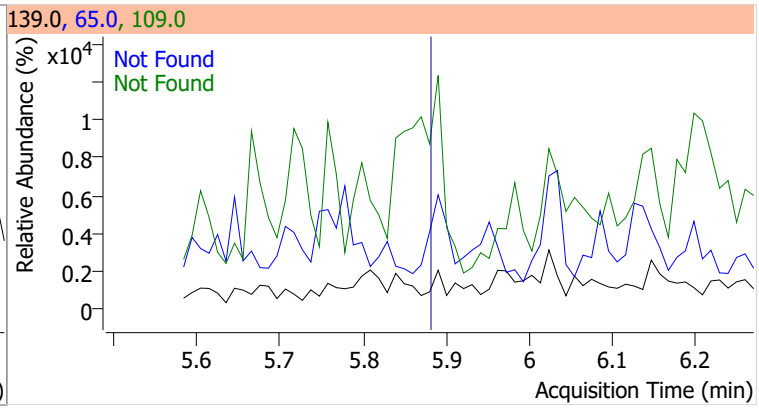
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone		0		0	138.0		14.8	27.5



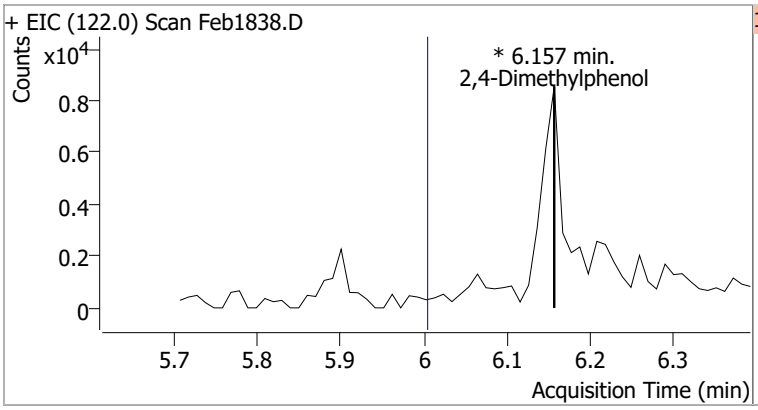


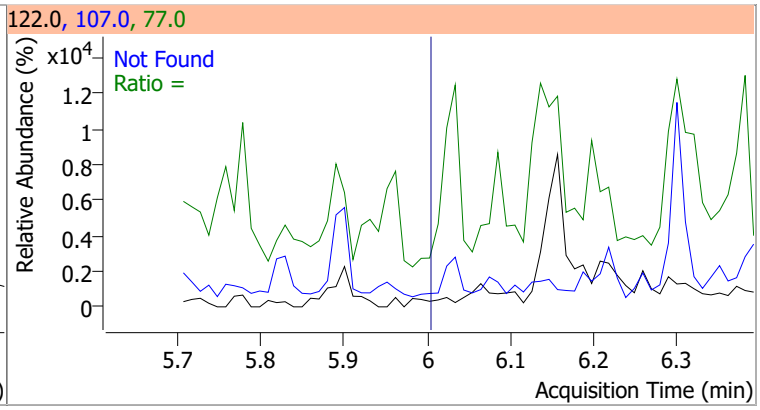
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



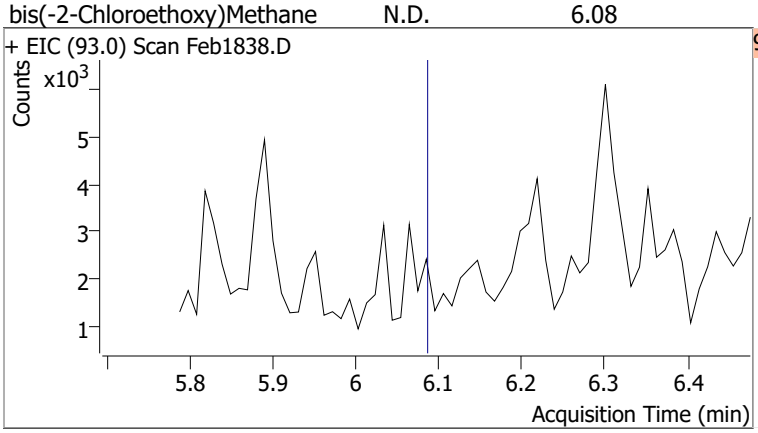


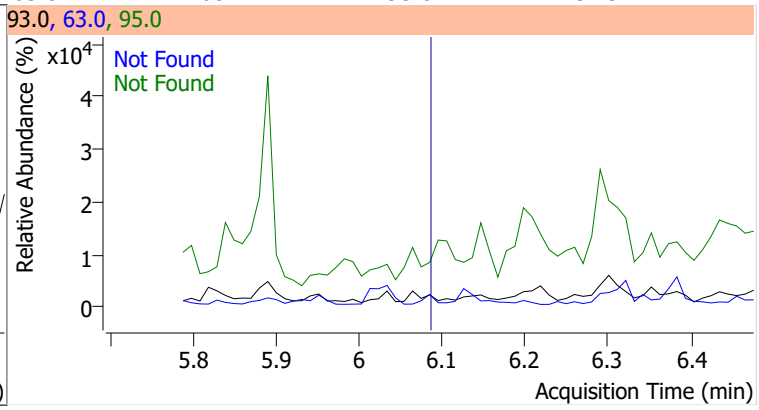
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol		0		0	107.0		76.6	142.3
					77.0		23.8	44.2



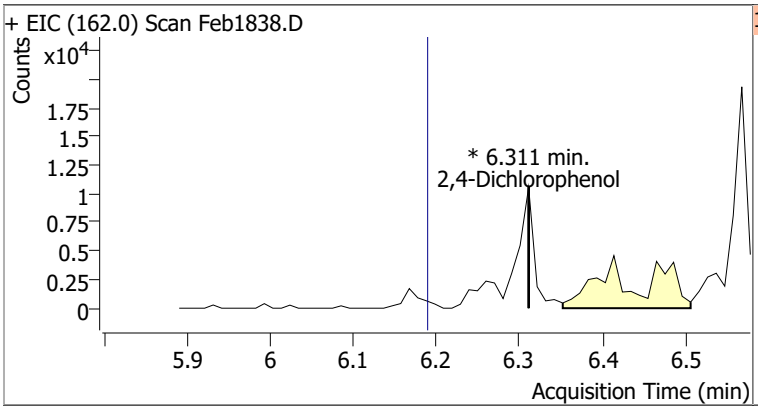


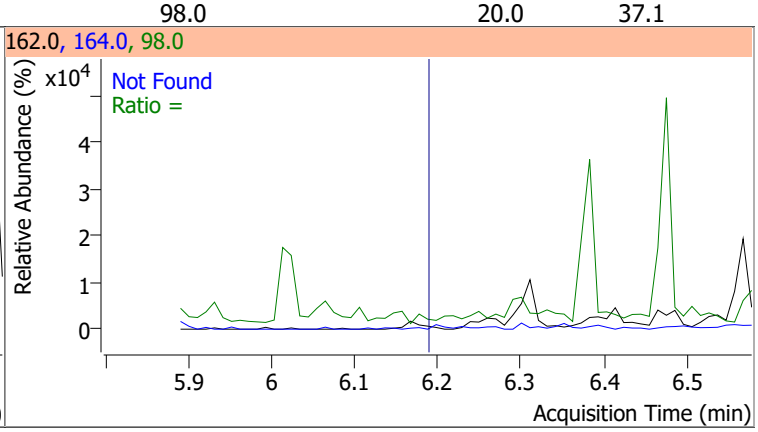
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



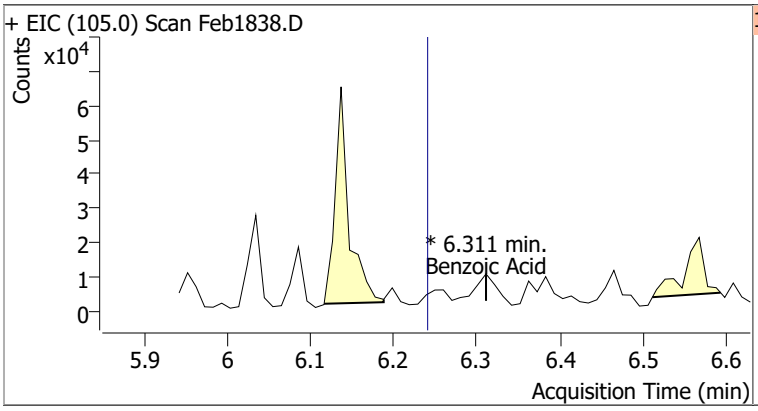


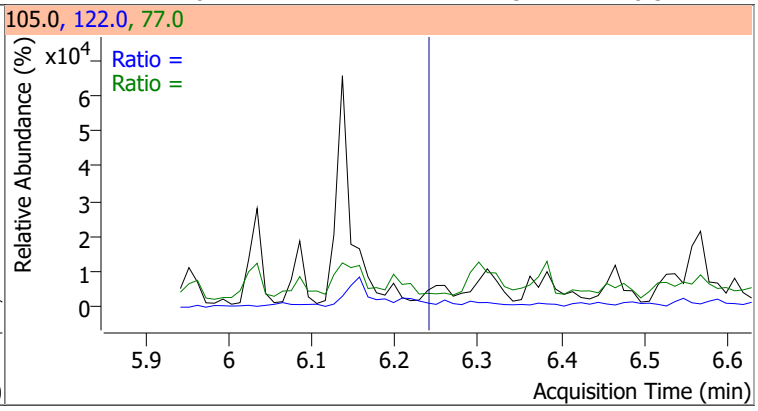
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol		0		0	164.0		45.5	84.5
					98.0		20.0	37.1



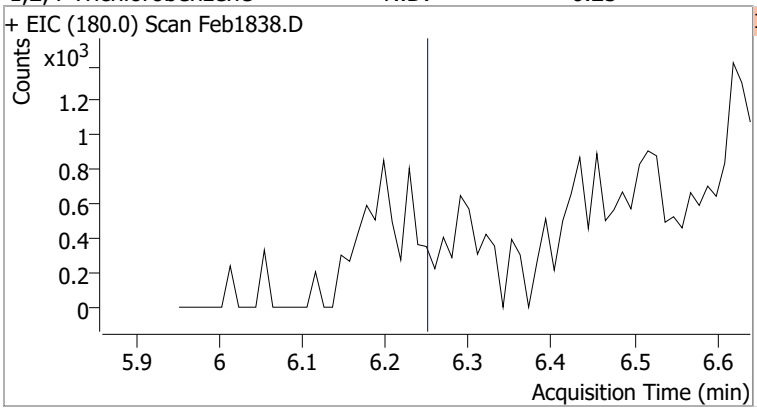


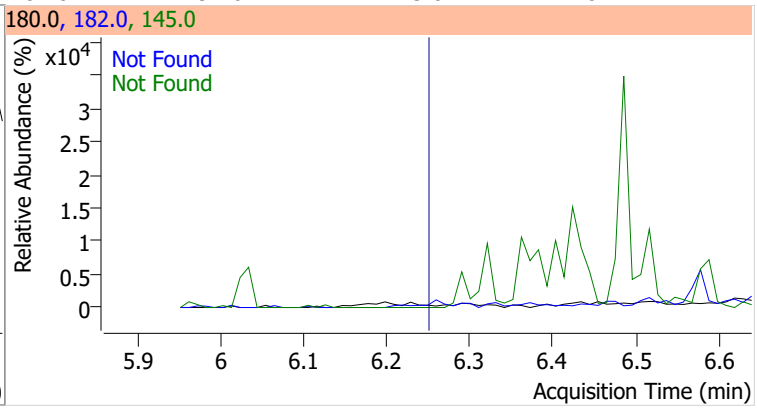
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid		0		0	122.0		59.9	111.2
					77.0		42.3	78.5



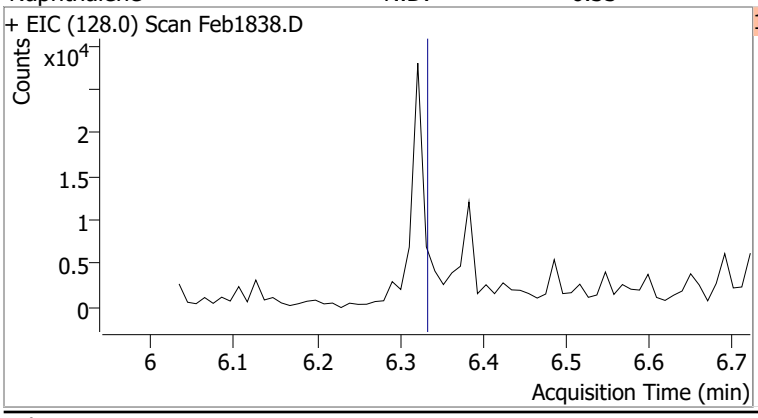


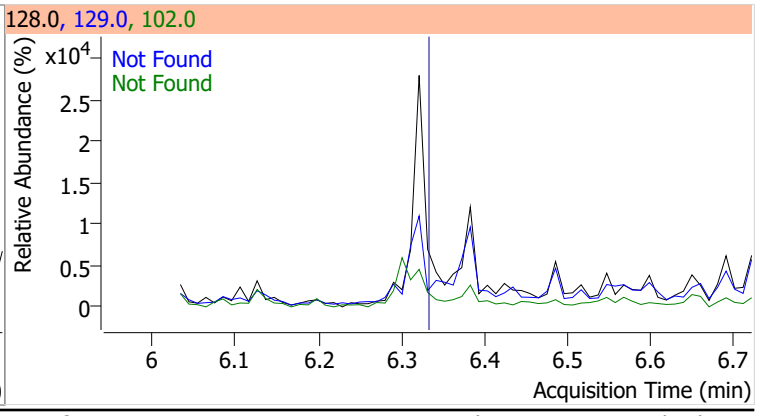
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



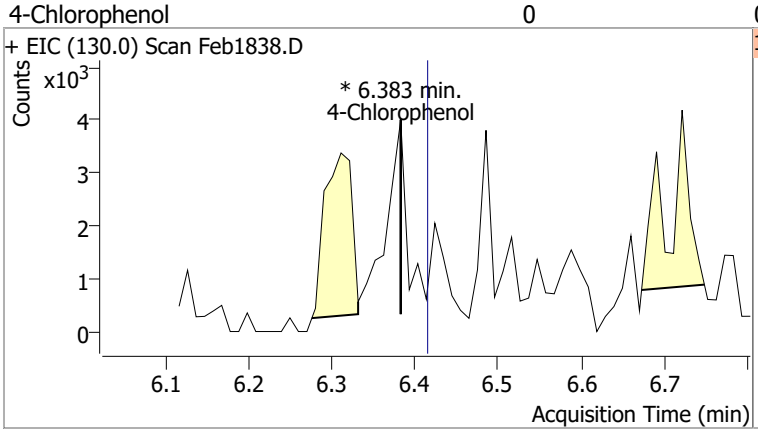


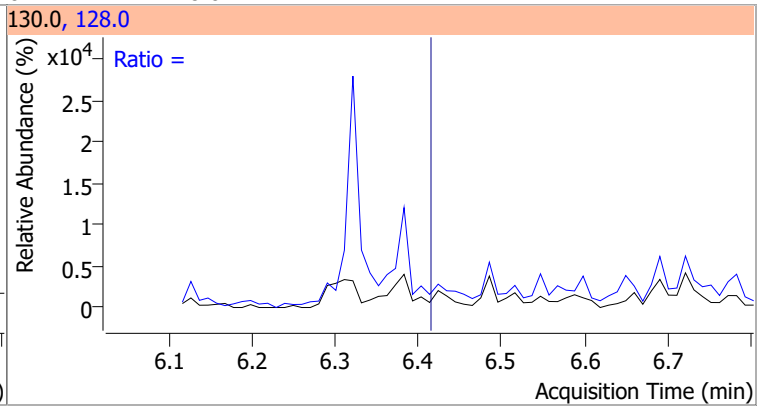
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



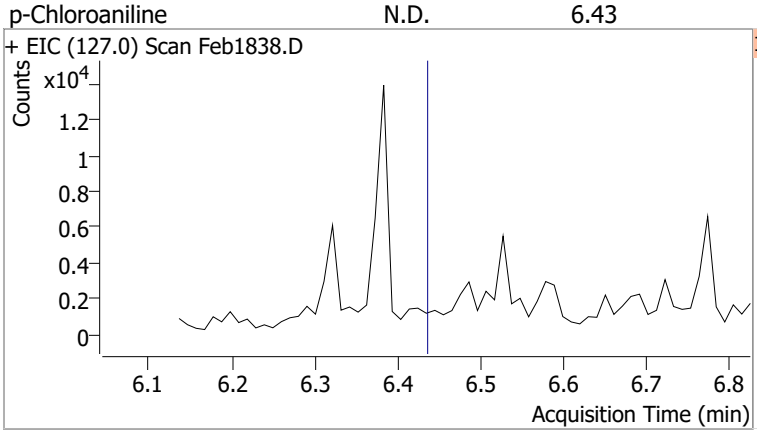


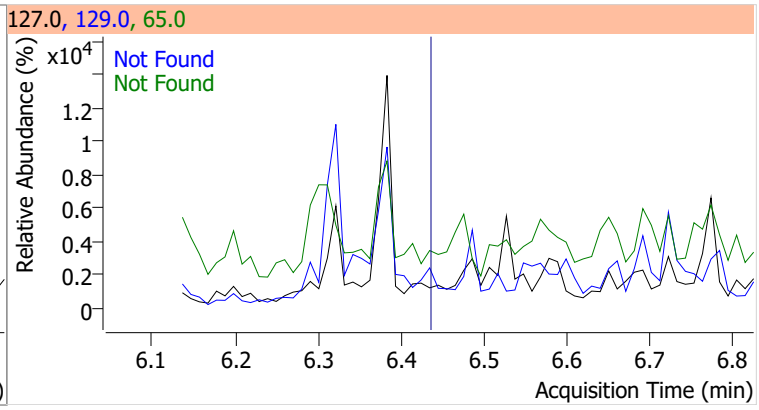
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol		0		0	128.0		221.4	411.2



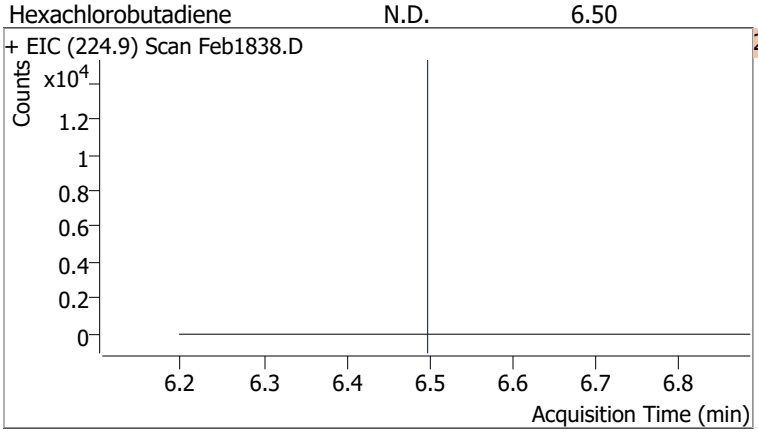


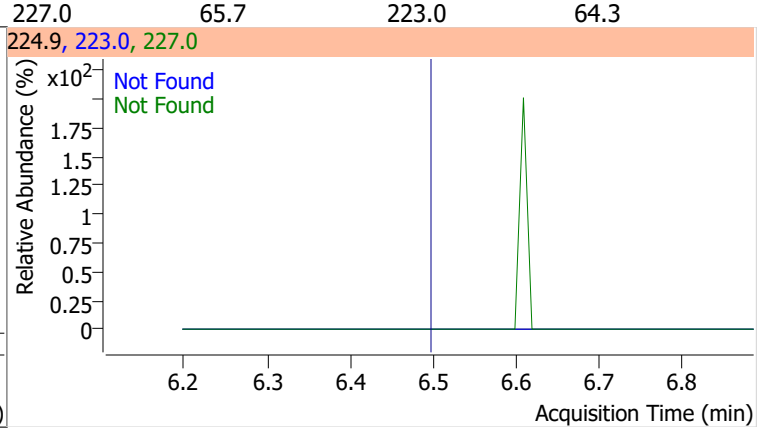
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



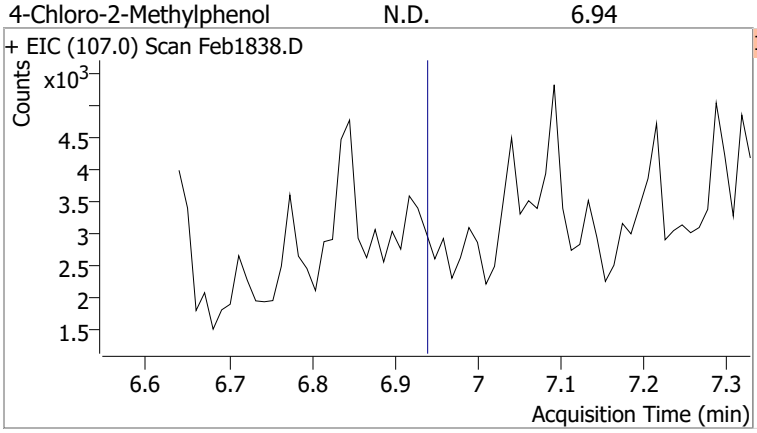


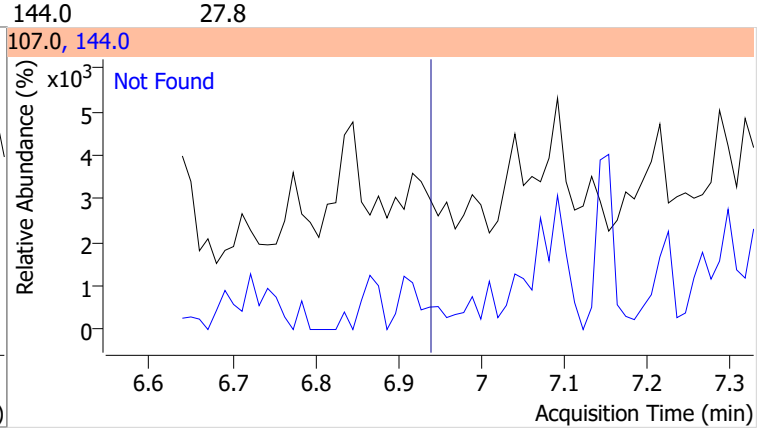
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



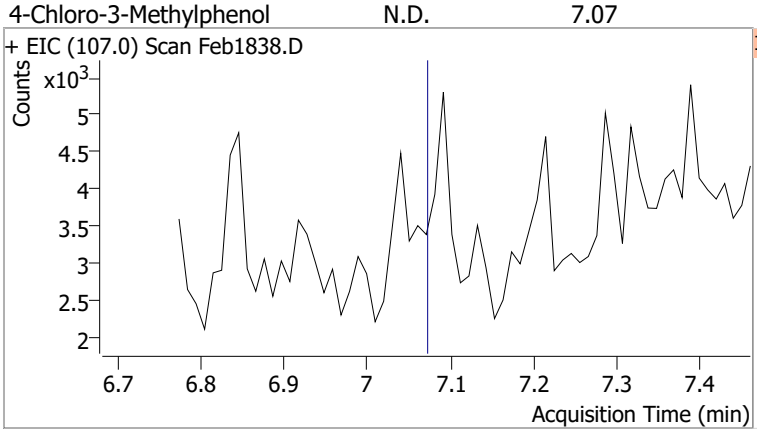


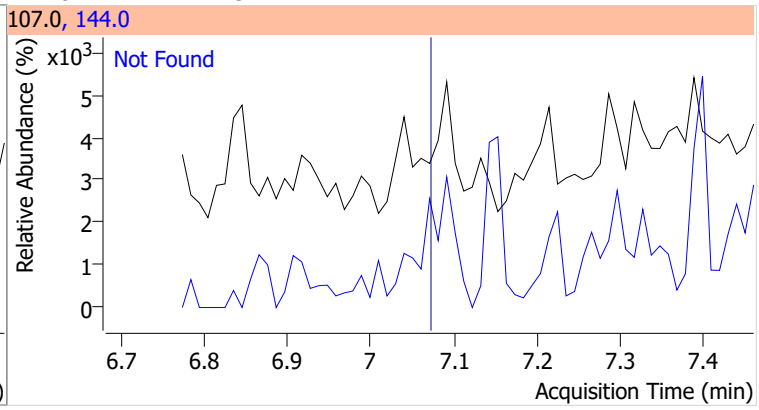
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



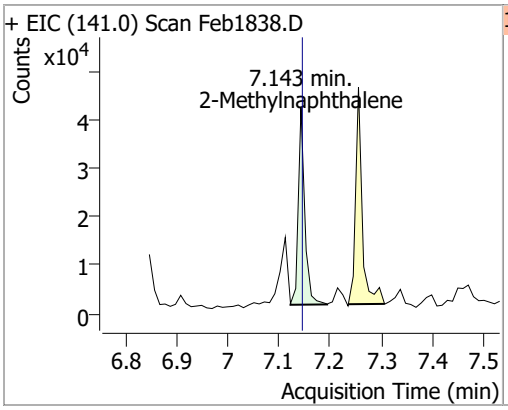


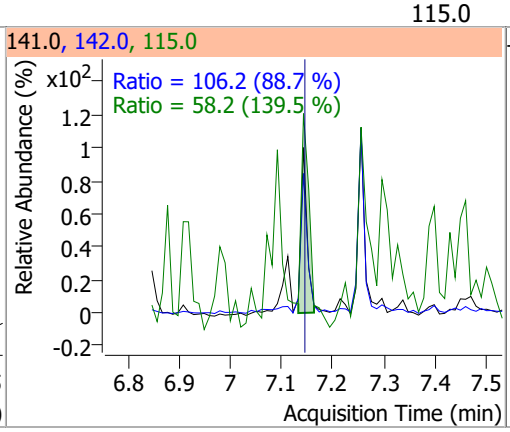
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3

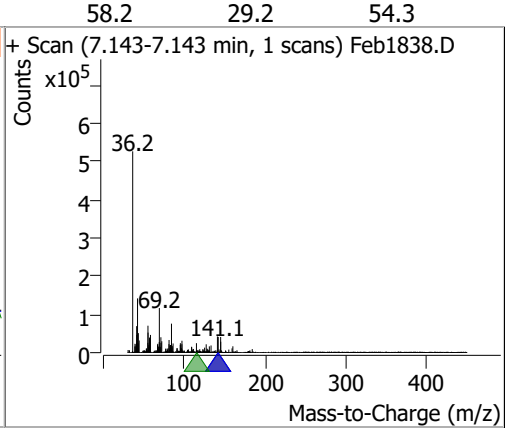




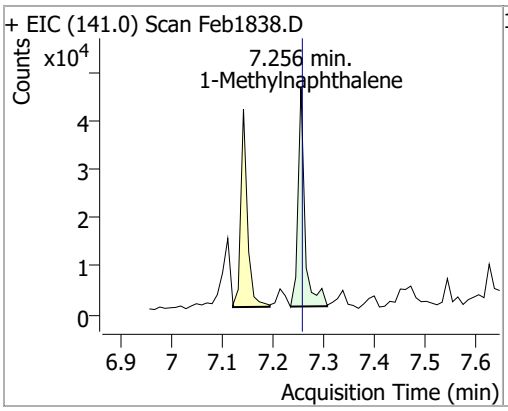
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	1.4965	7.14	0.00	35779	142.0	106.2	83.8	155.7
					115.0	58.2	29.2	54.3

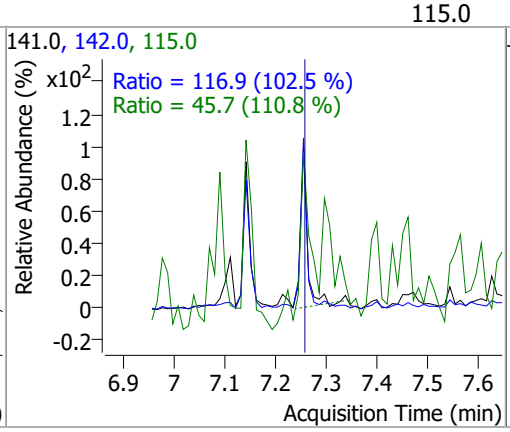


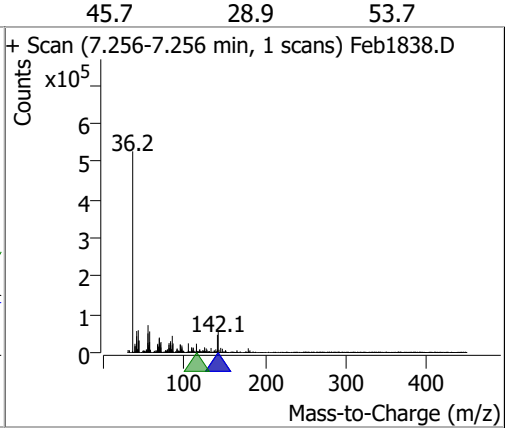




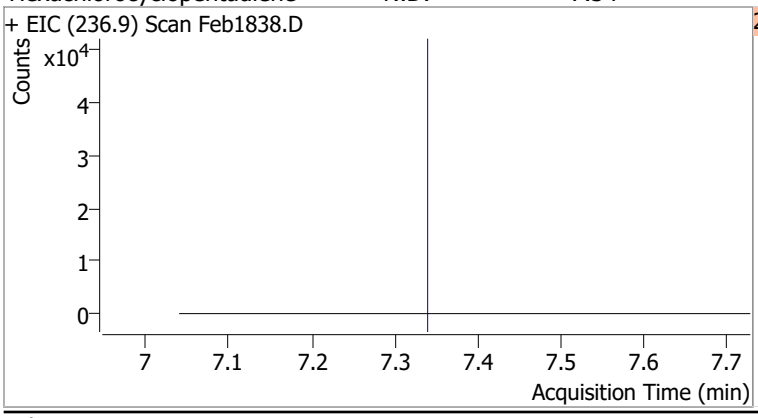
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	1.8417	7.26	0.00	39920	142.0	116.9	79.8	148.2
					115.0	45.7	28.9	53.7

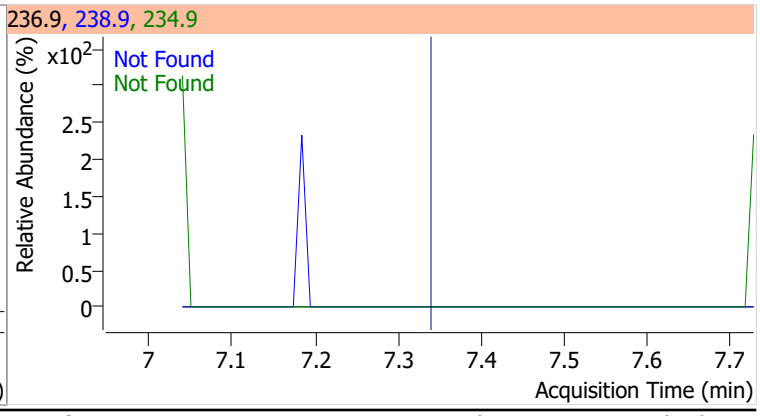




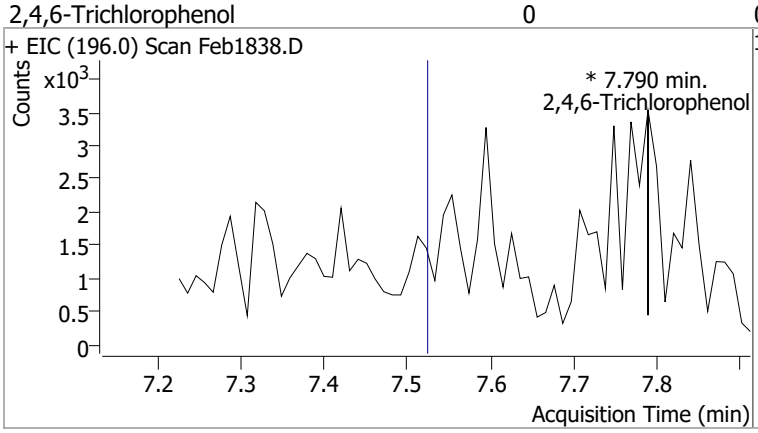


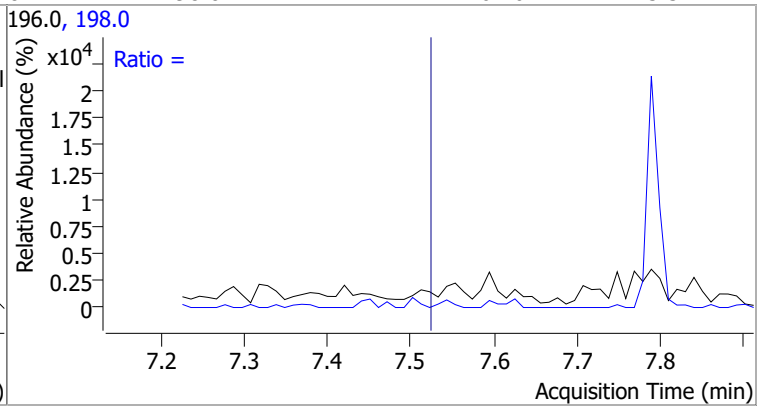
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



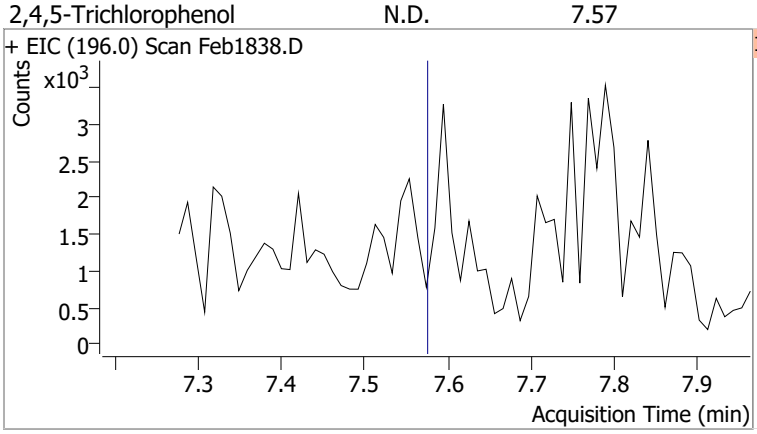


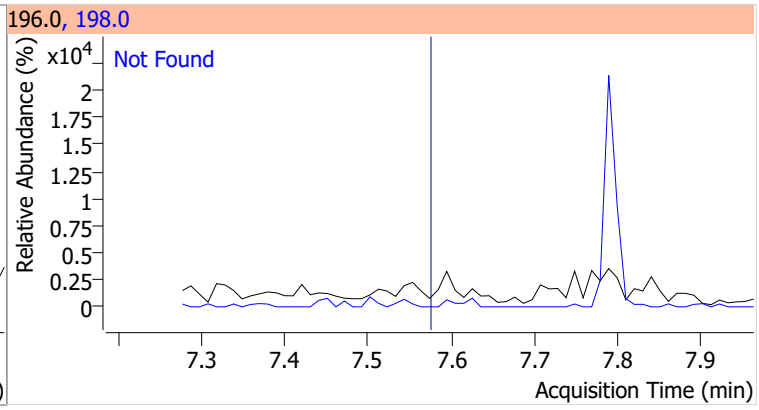
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol		0		0	198.0		67.6	125.5



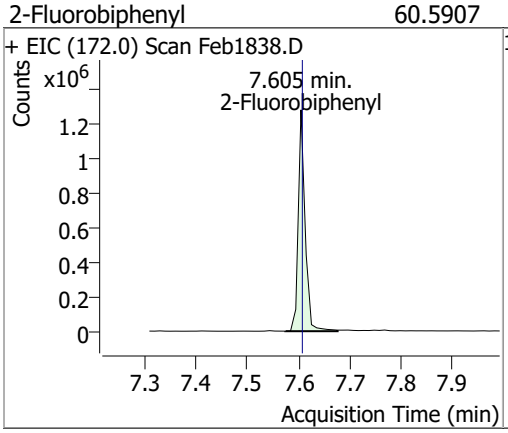


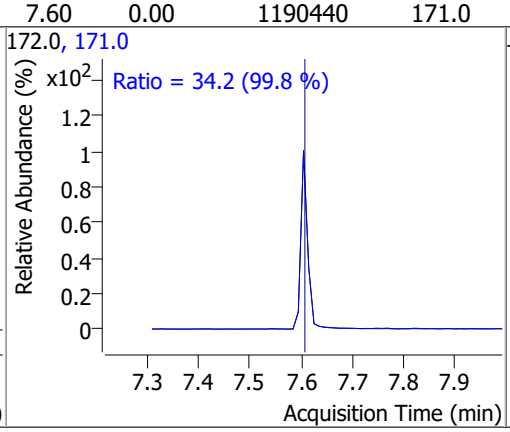
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

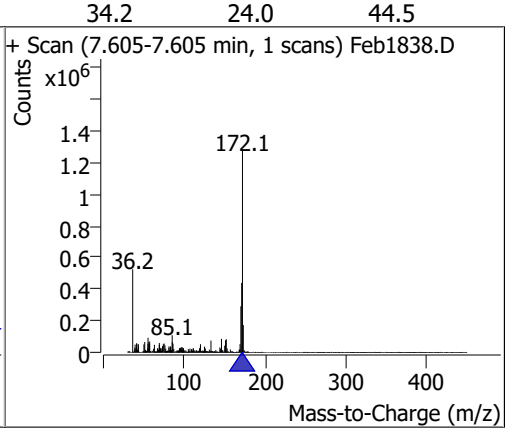




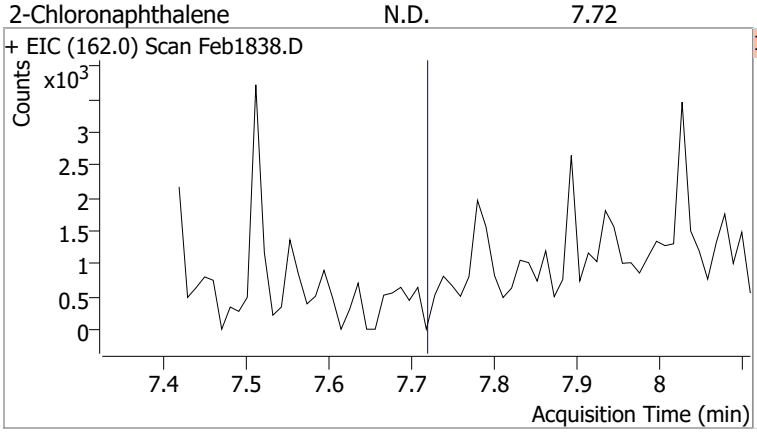
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	60.5907	7.60	0.00	1190440	171.0	34.2	24.0	44.5

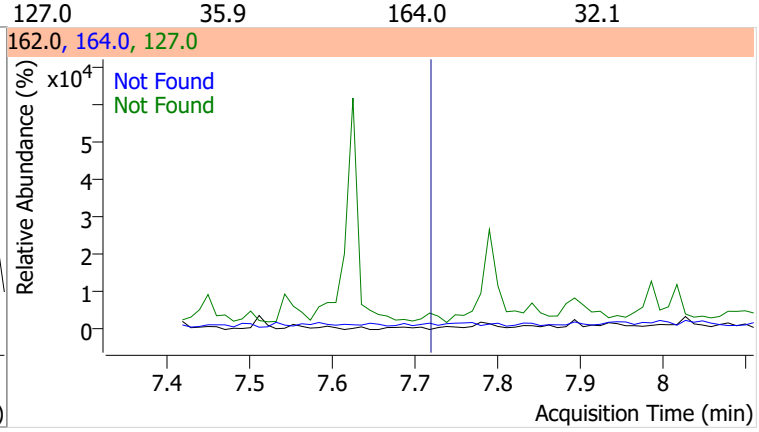




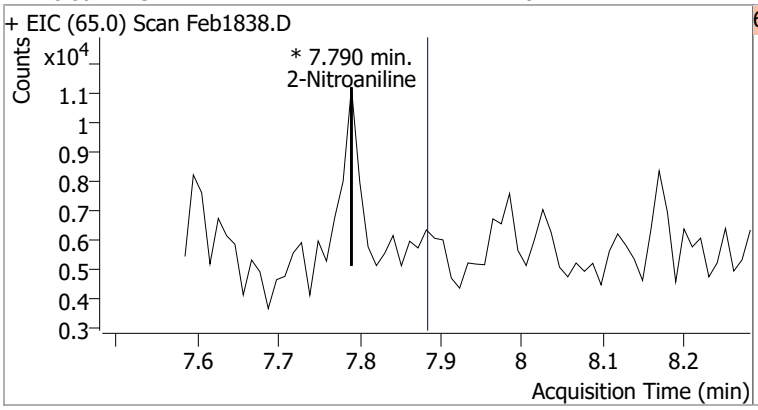


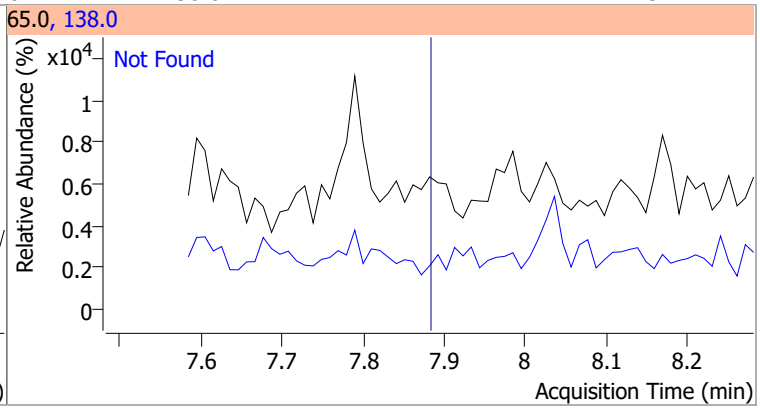
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



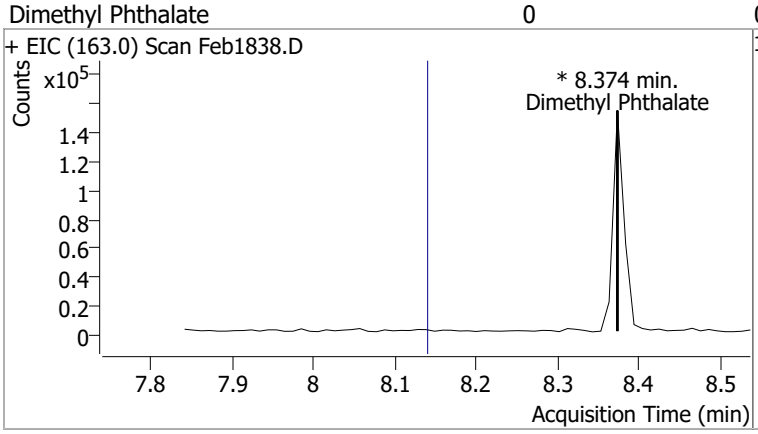


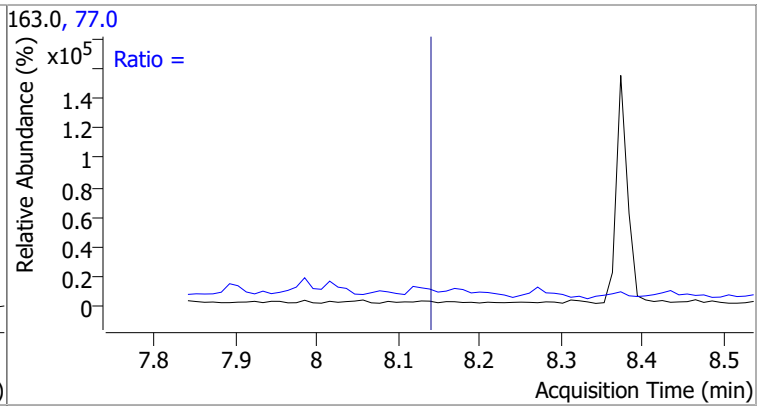
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline		0		0	138.0		77.4	143.7



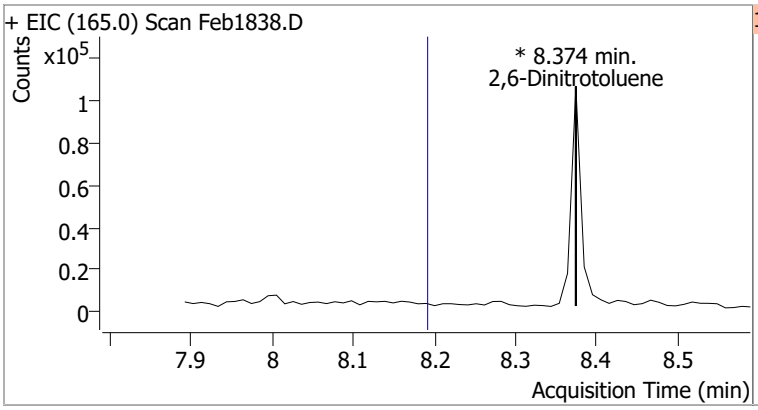


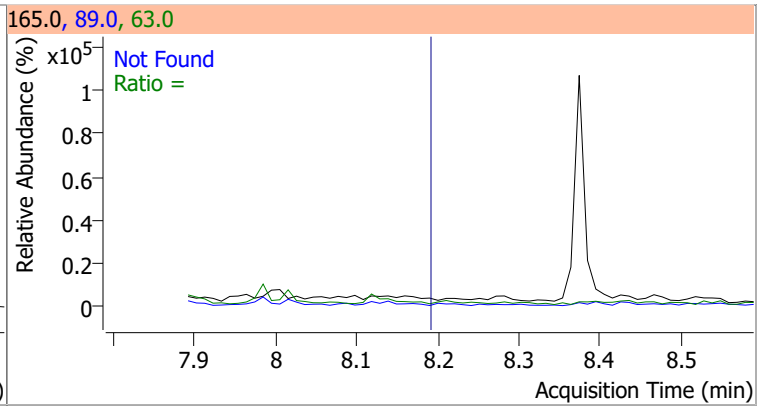
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



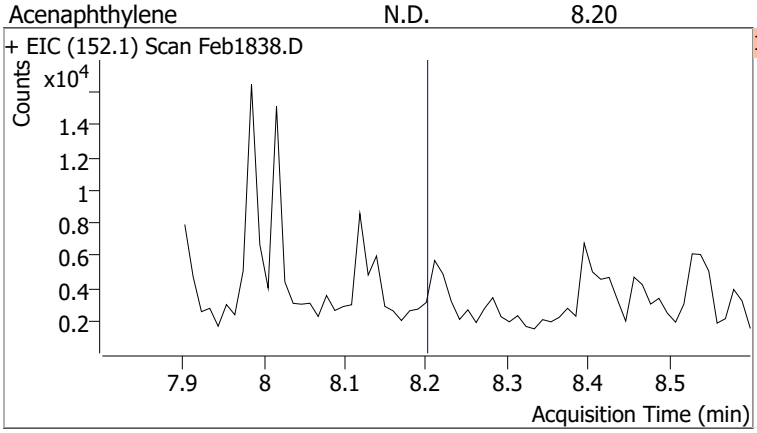


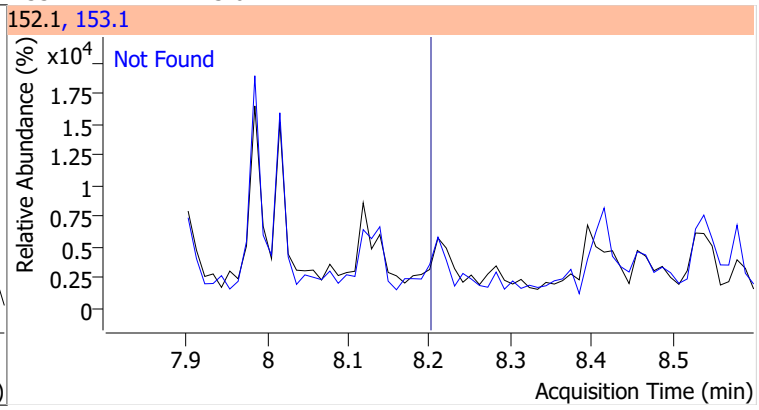
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



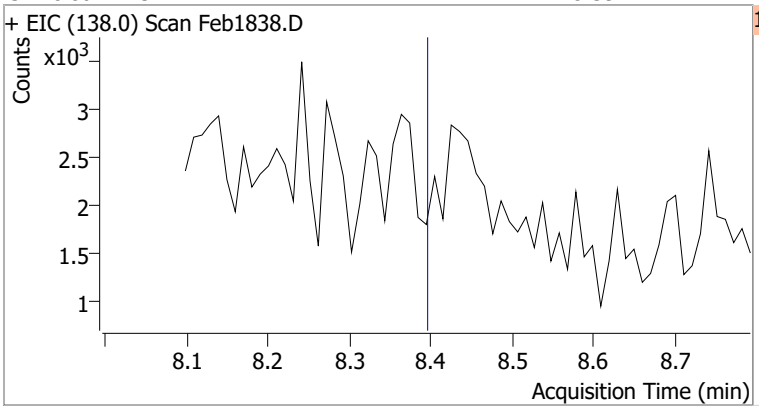


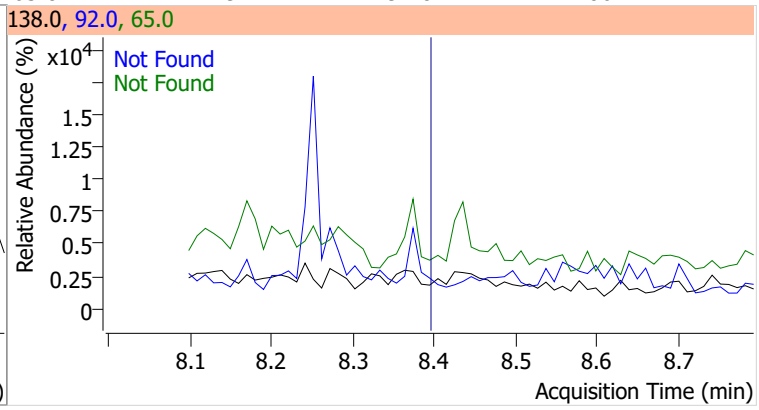
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



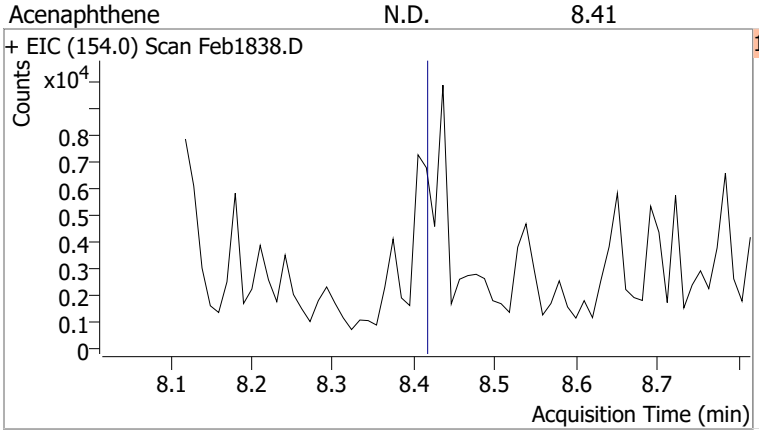


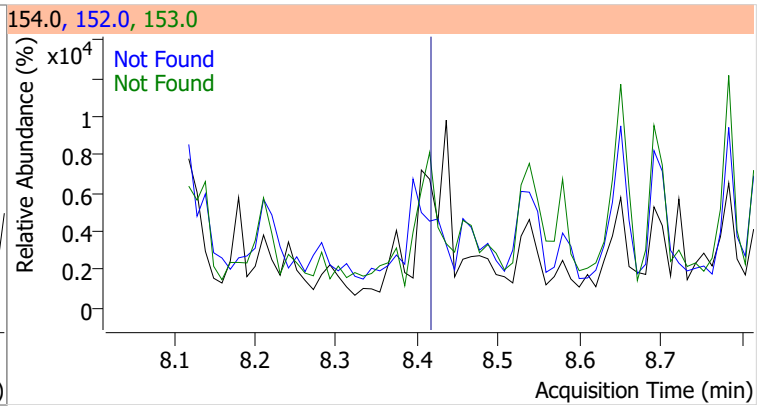
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



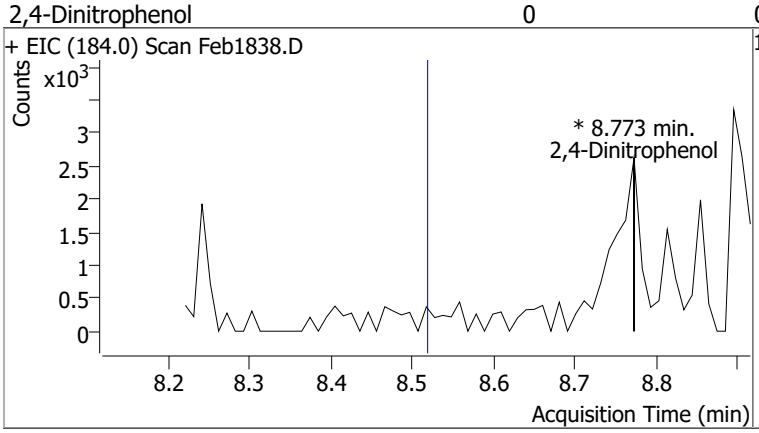


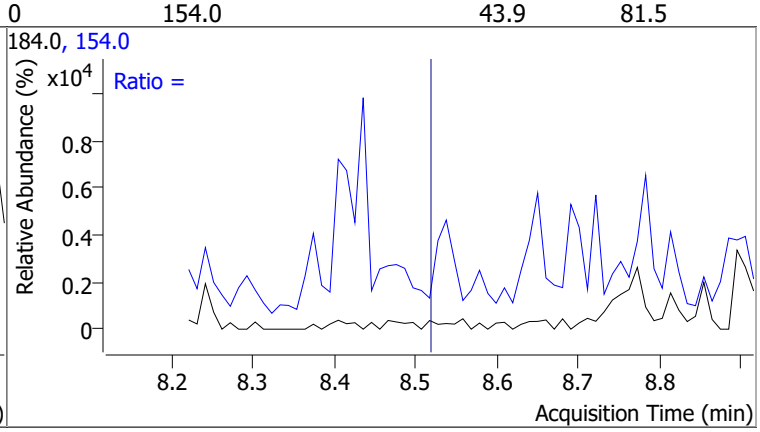
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



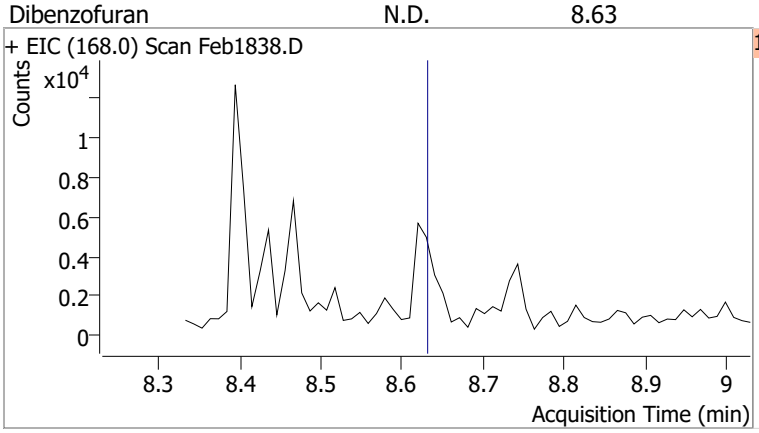


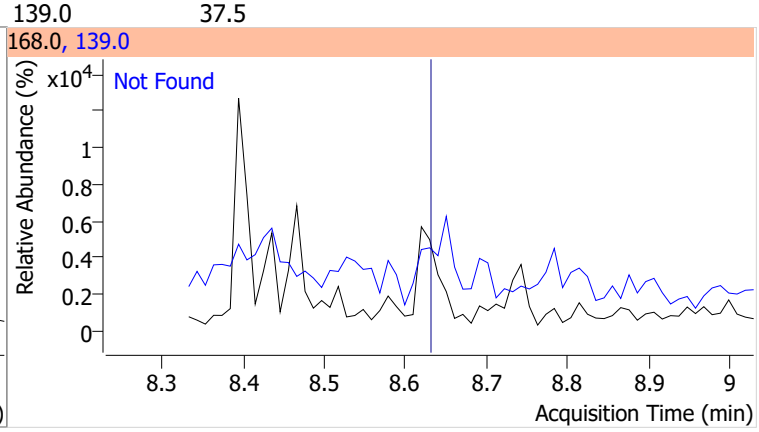
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol		0		0	154.0		43.9	81.5



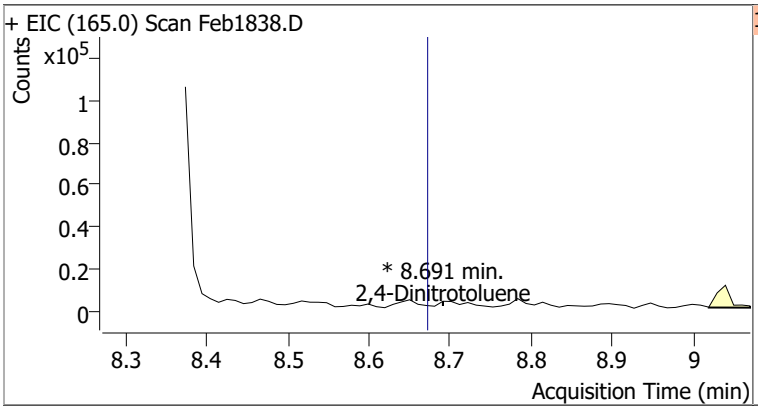


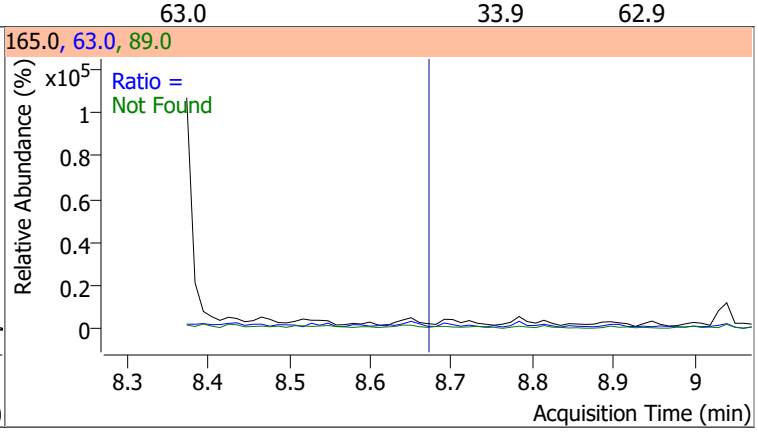
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



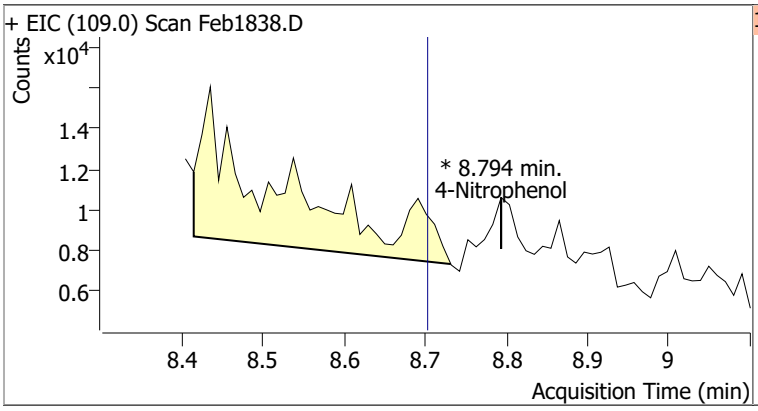


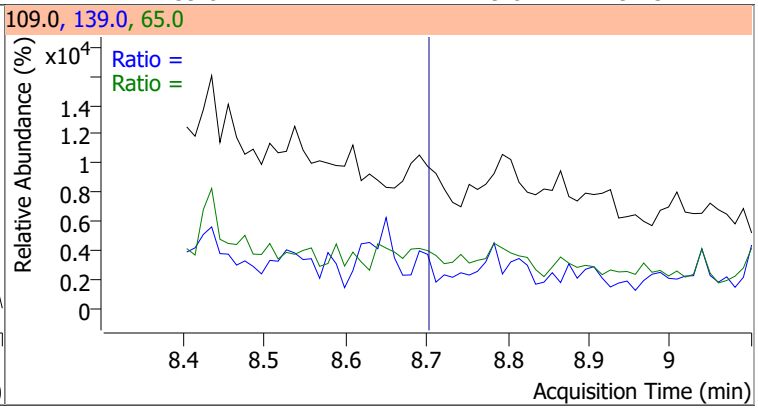
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene		0		0	89.0		55.4	102.9
					63.0		33.9	62.9



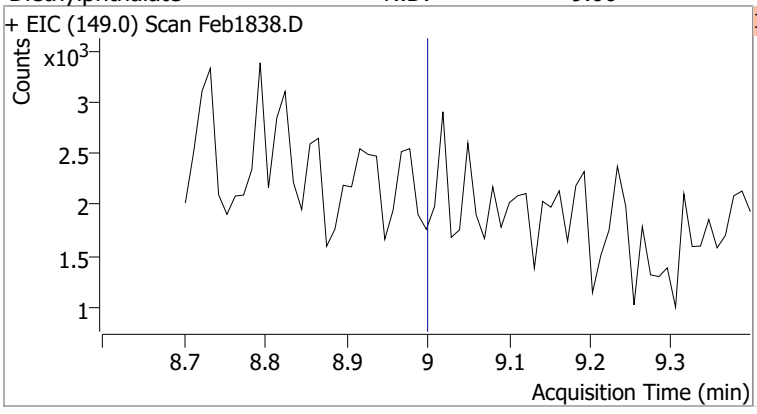


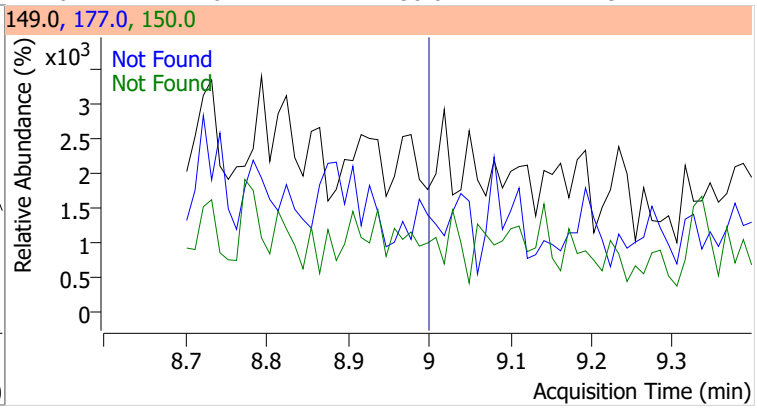
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol		0		0	65.0		50.4	93.6
					139.0		49.8	92.5



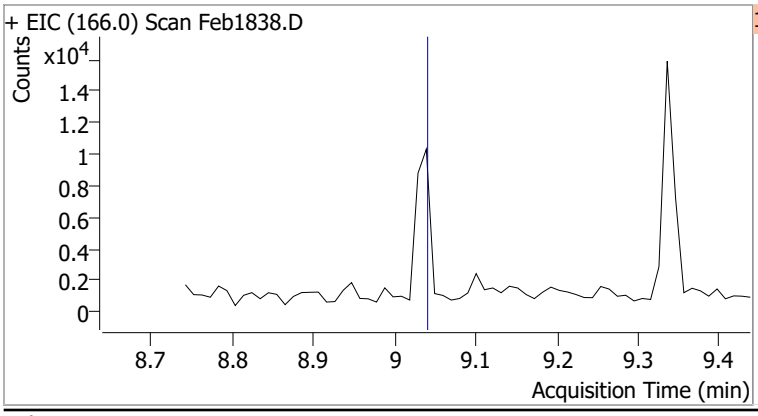


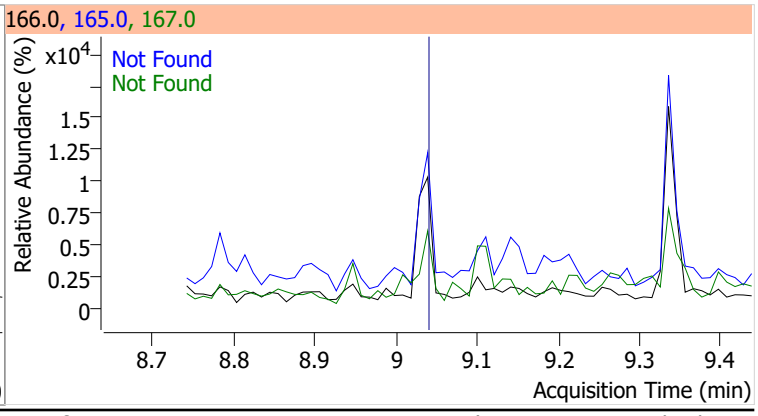
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



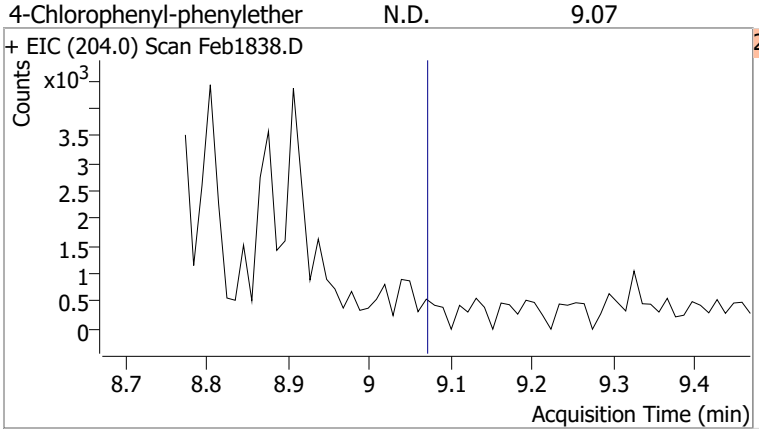


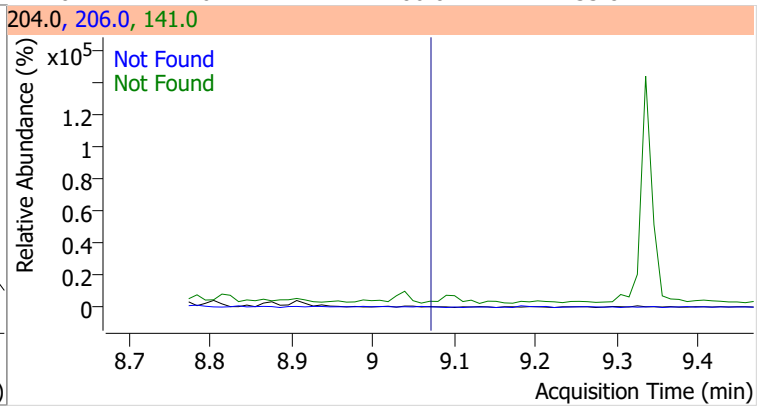
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



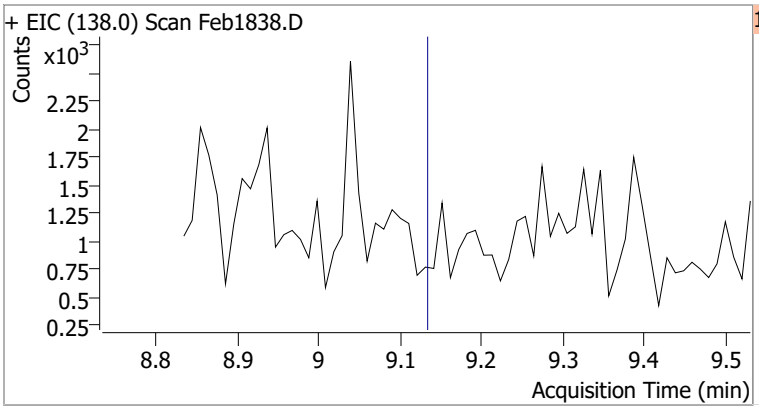


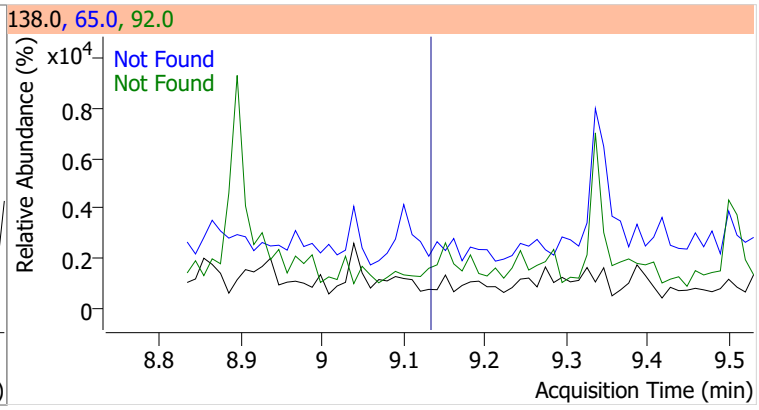
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



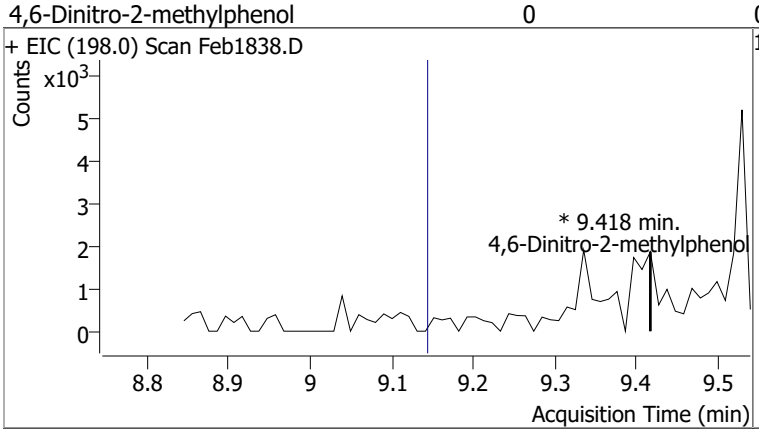


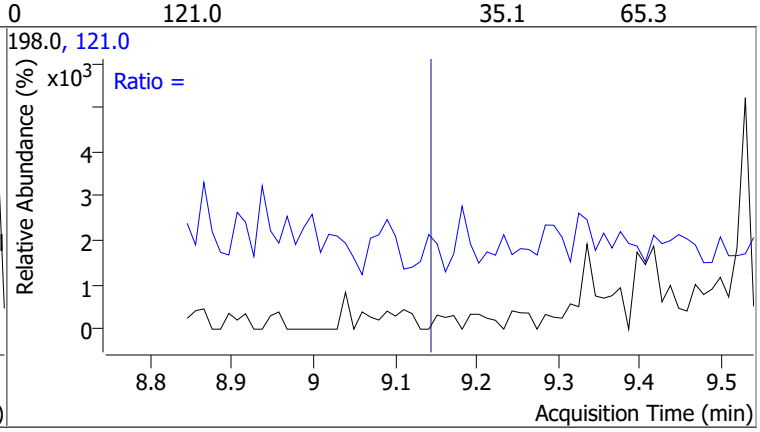
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



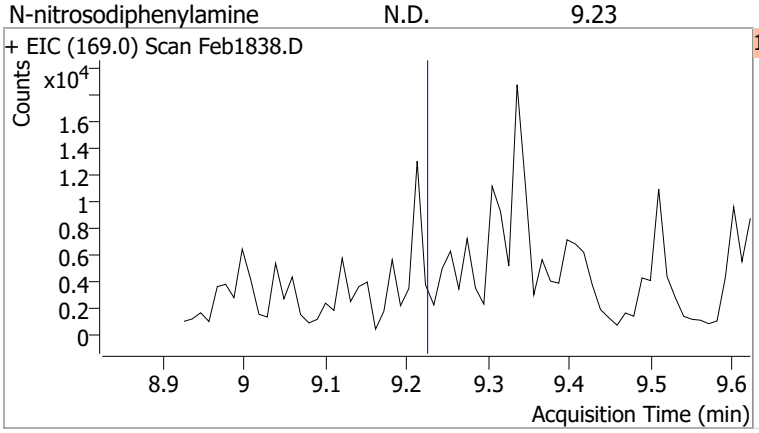


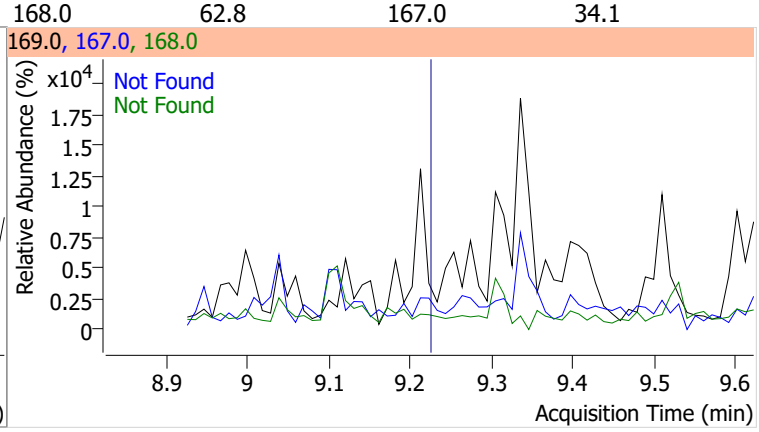
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



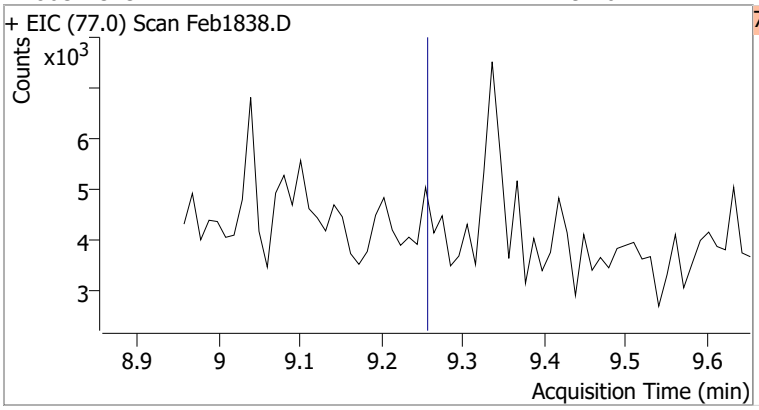


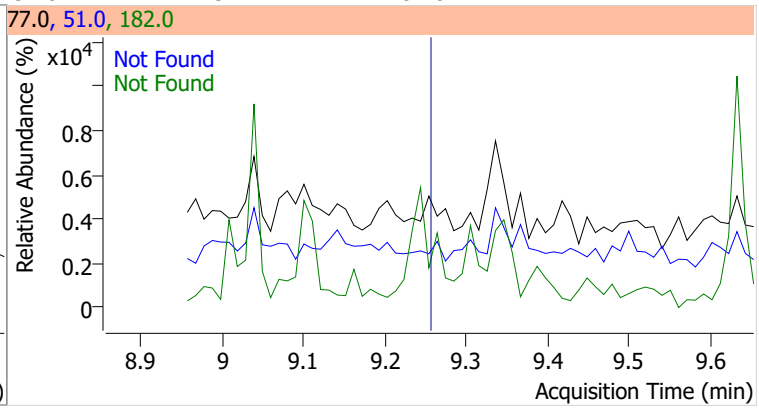
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



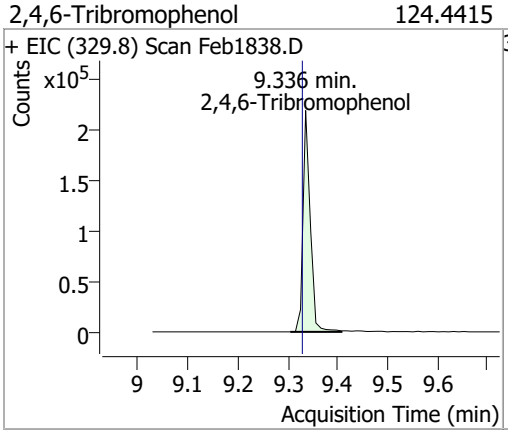


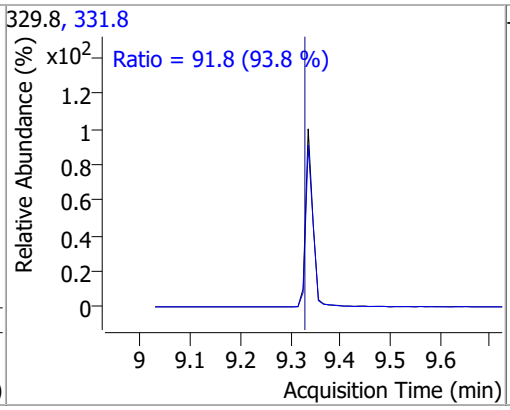
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

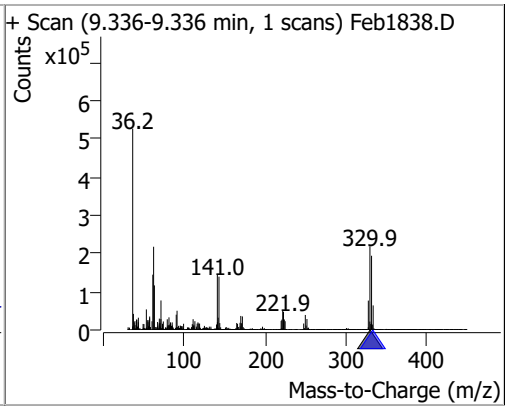




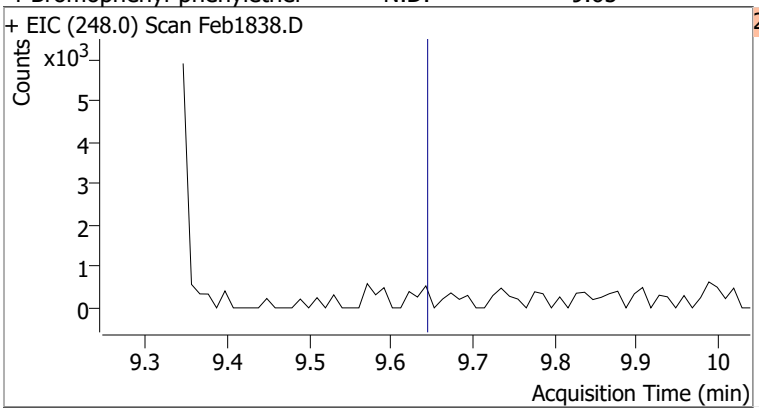
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	124.4415	9.34	0.00	220262	331.8	91.8	68.5	127.2

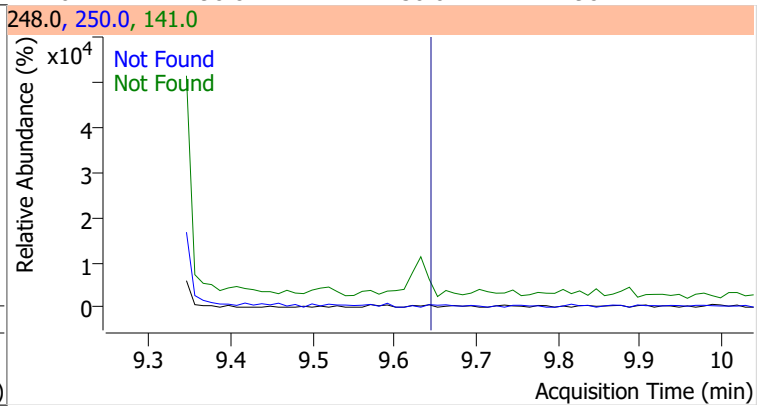




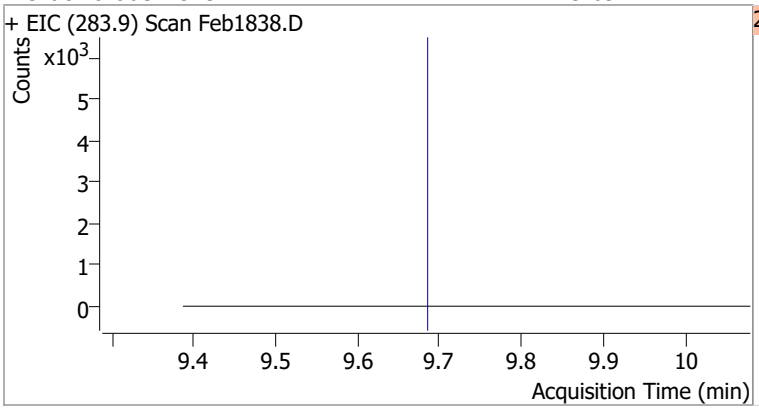


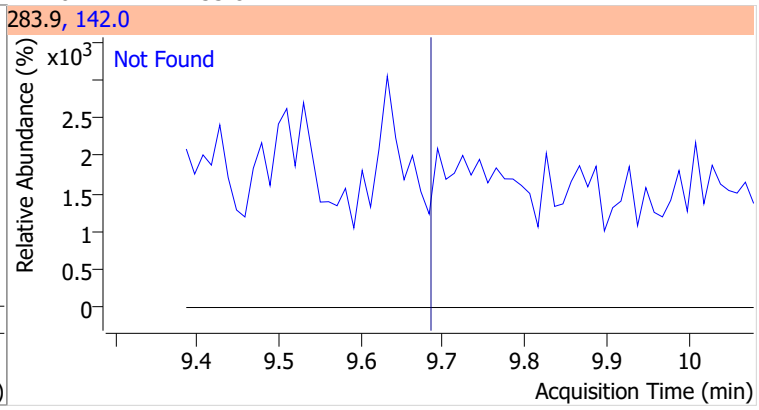
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



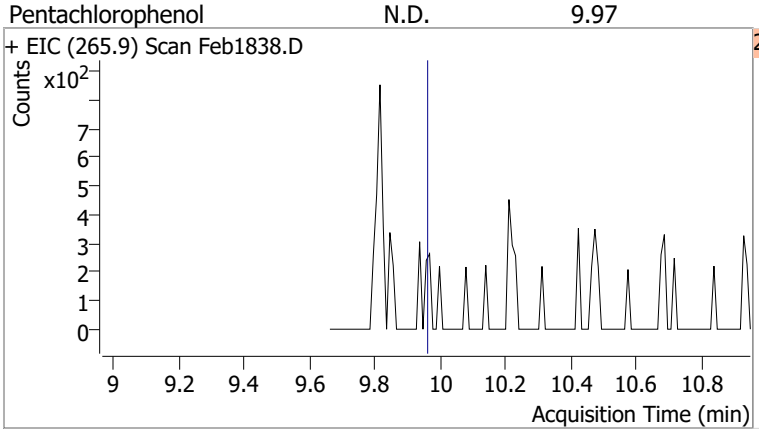


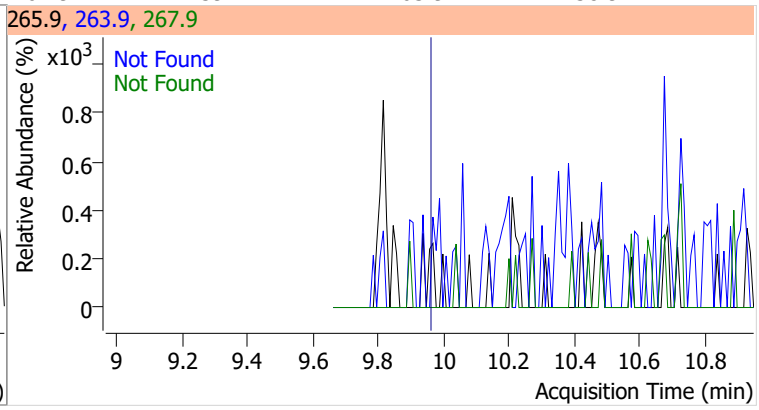
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



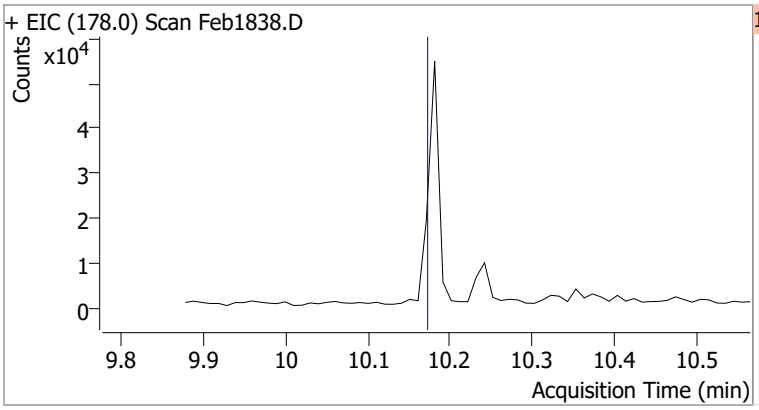


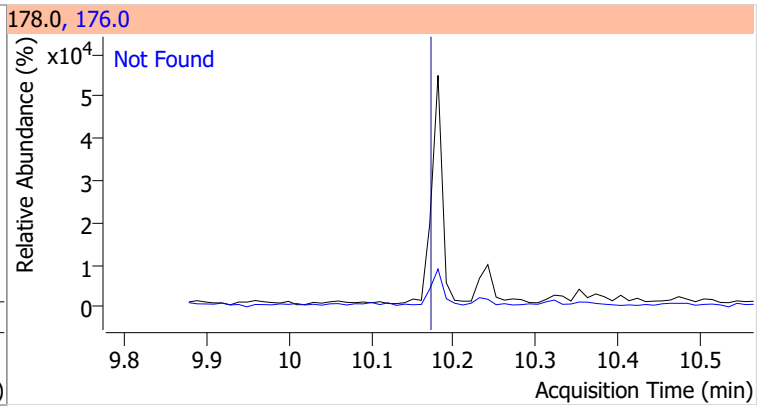
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



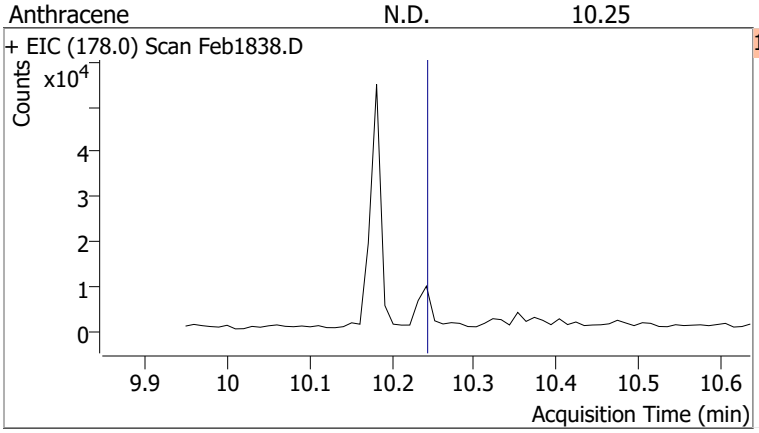


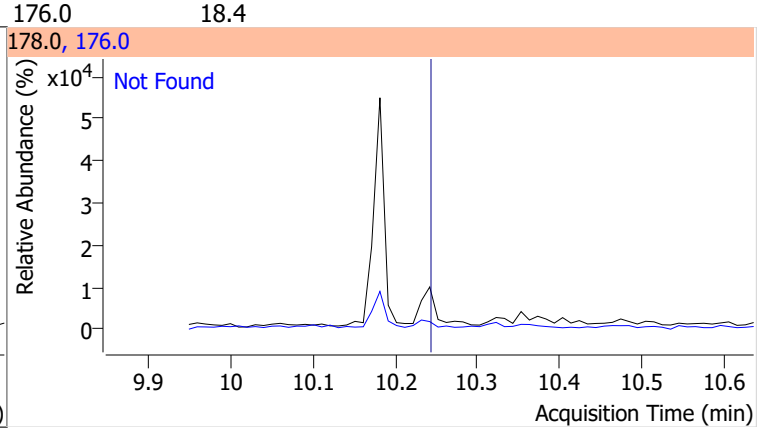
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



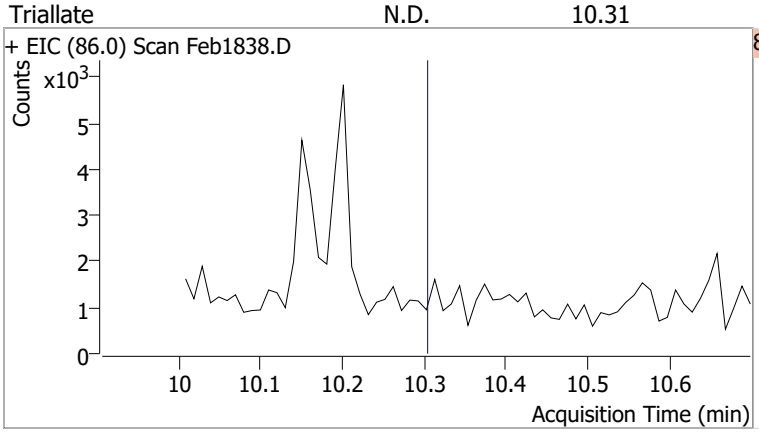


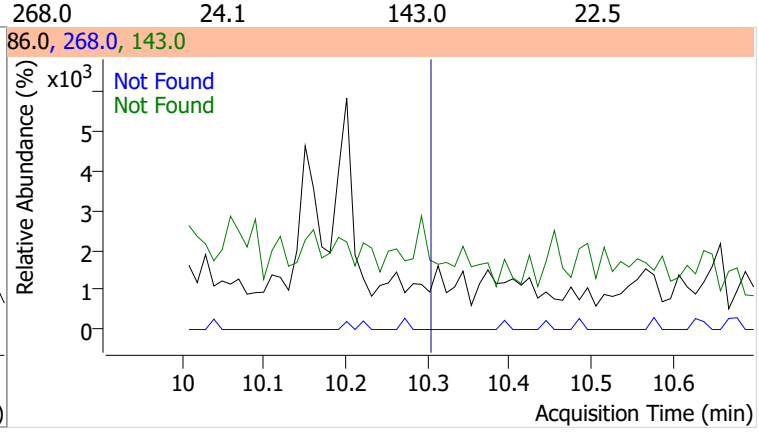
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



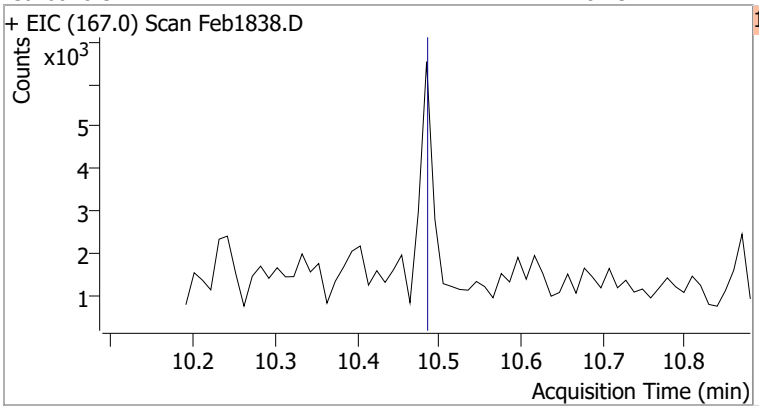


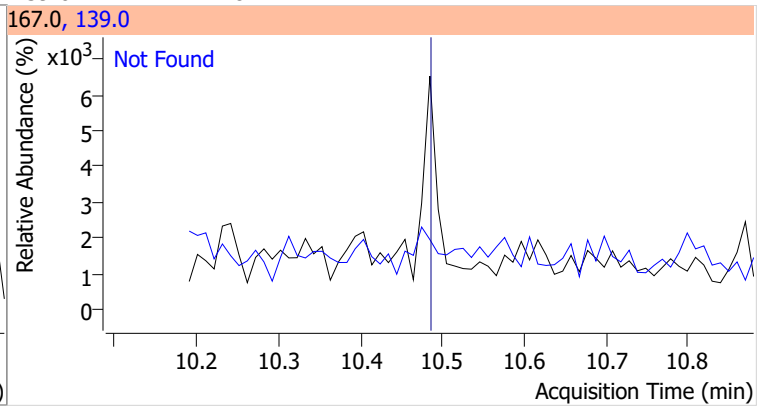
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



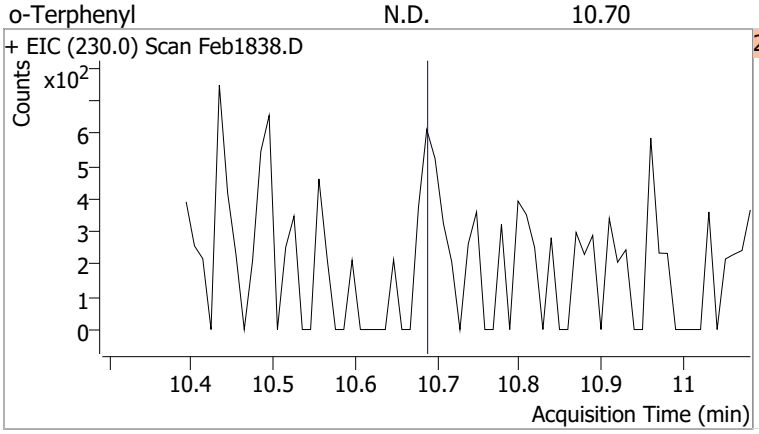


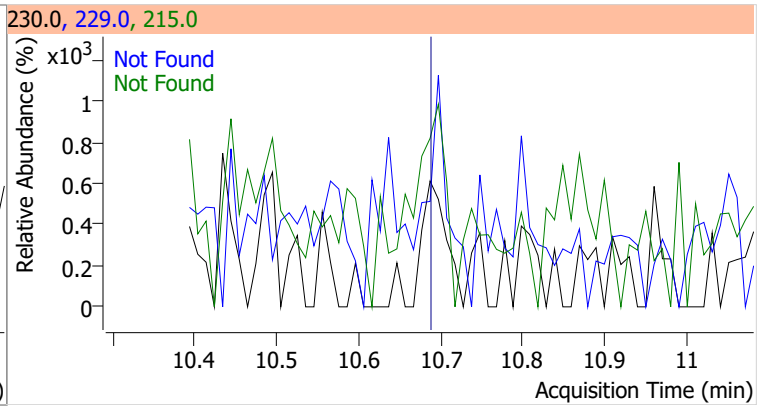
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



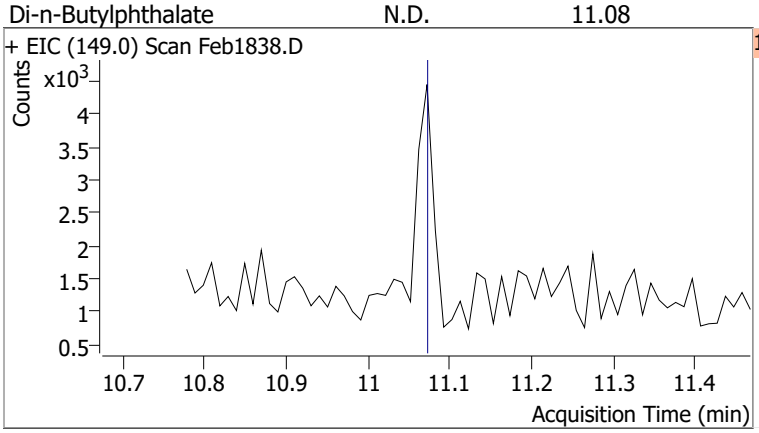


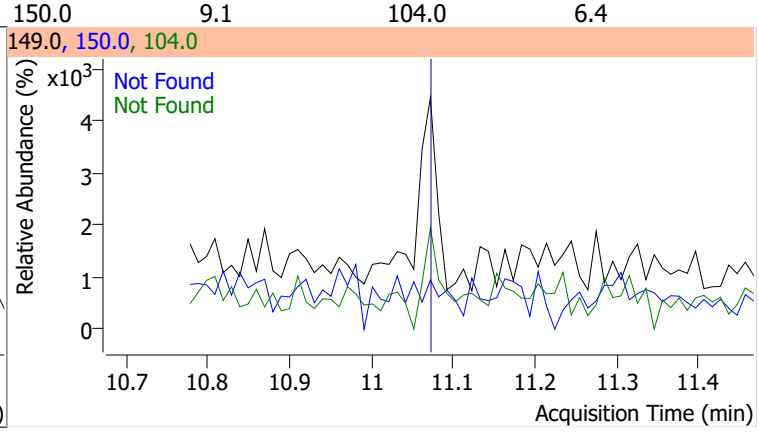
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



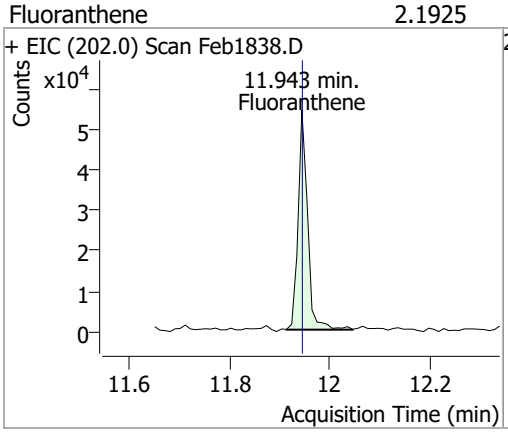


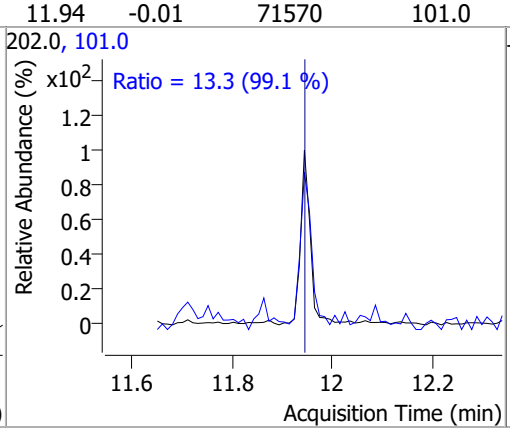
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4

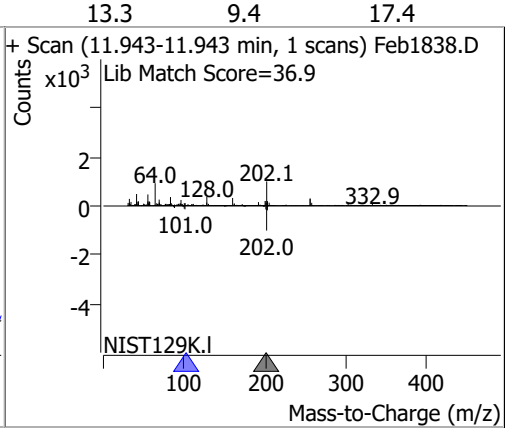




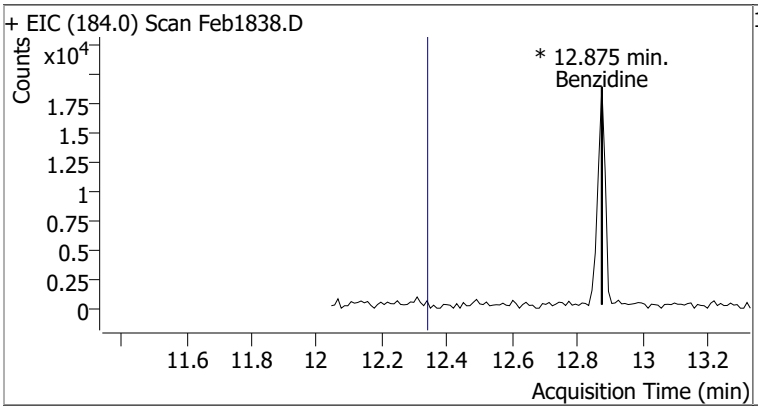
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	2.1925	11.94	-0.01	71570	101.0	13.3	9.4	17.4

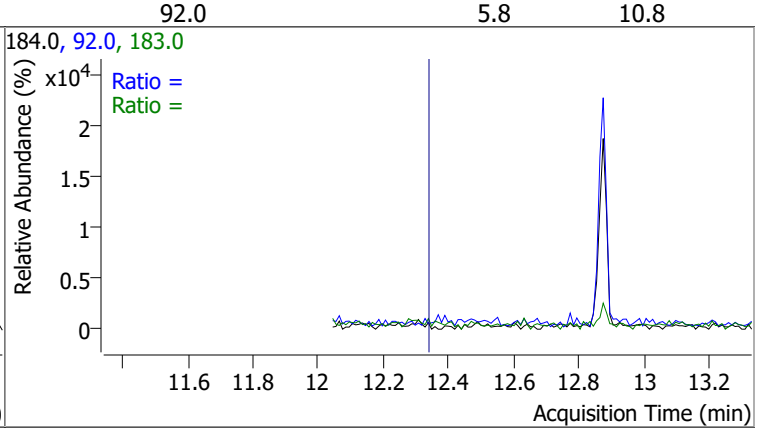




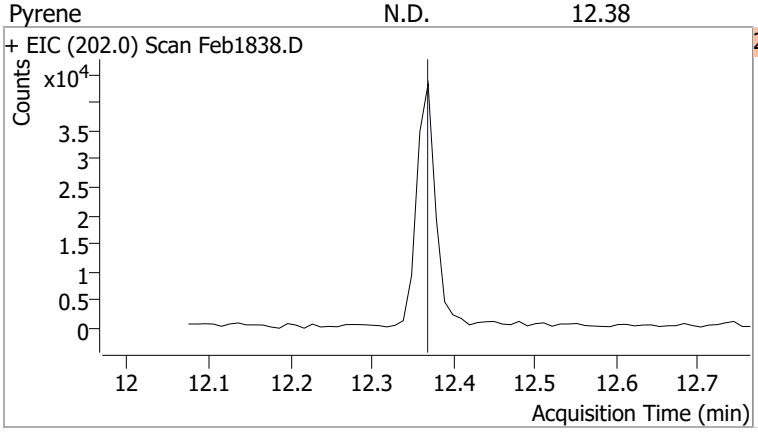


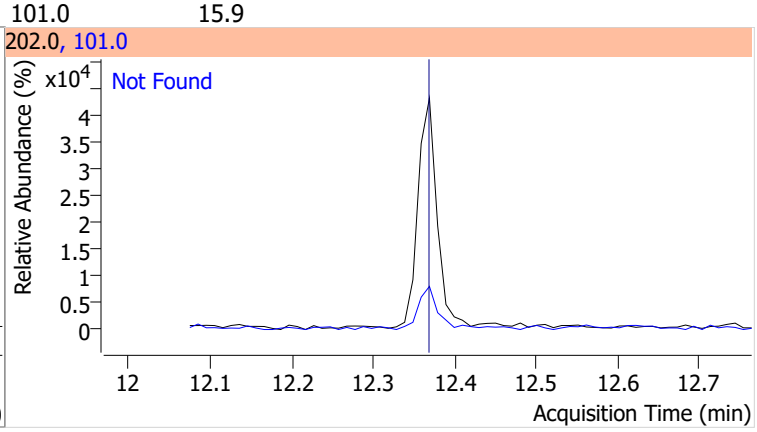
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



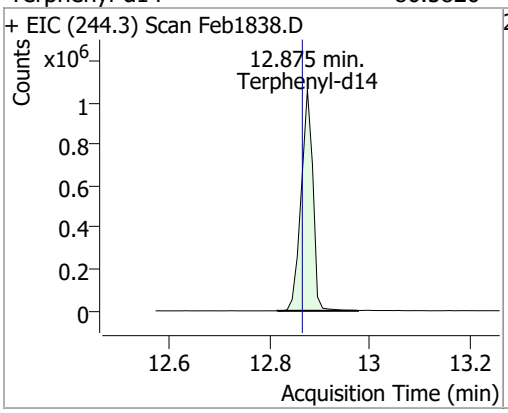


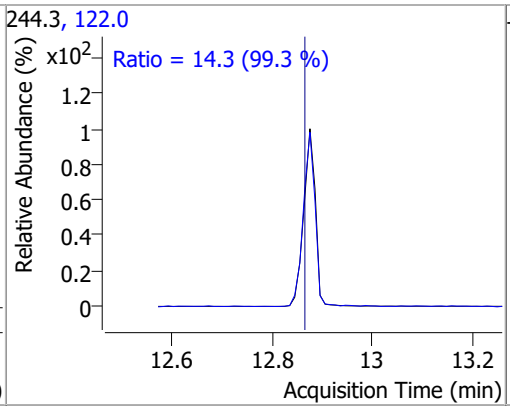
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

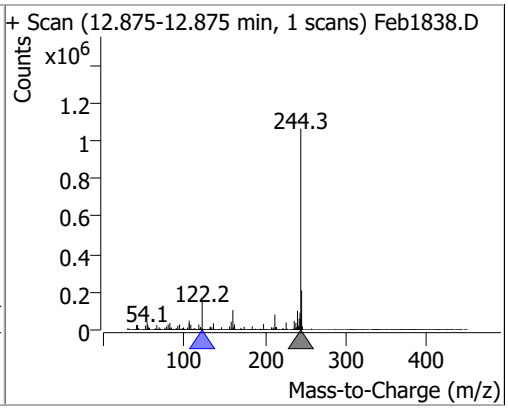




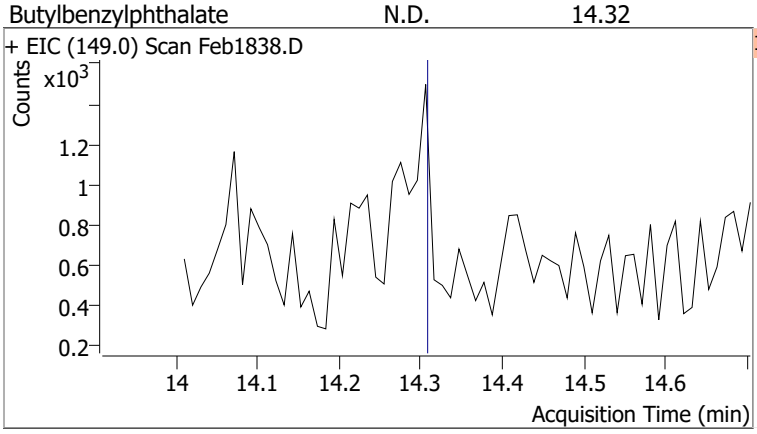
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	86.5820	12.88	0.00	1734981	122.0	14.3	10.1	18.7

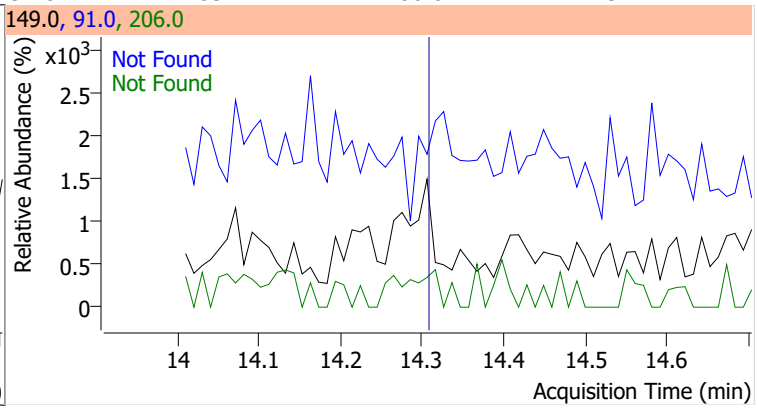




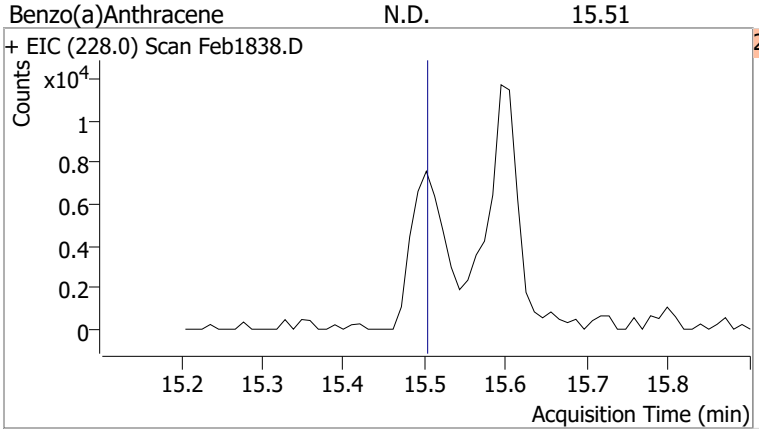


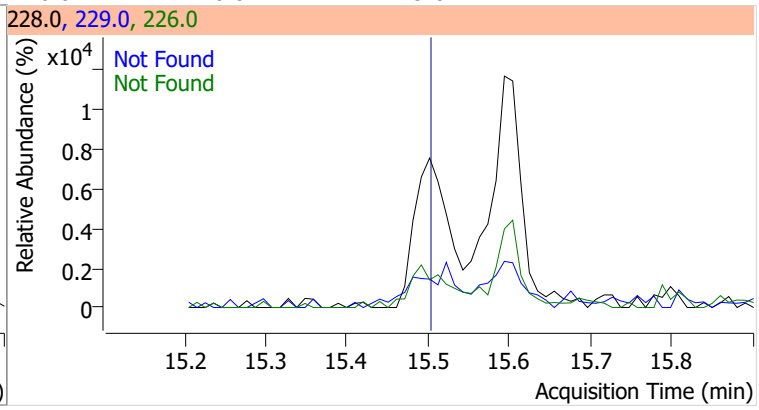
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



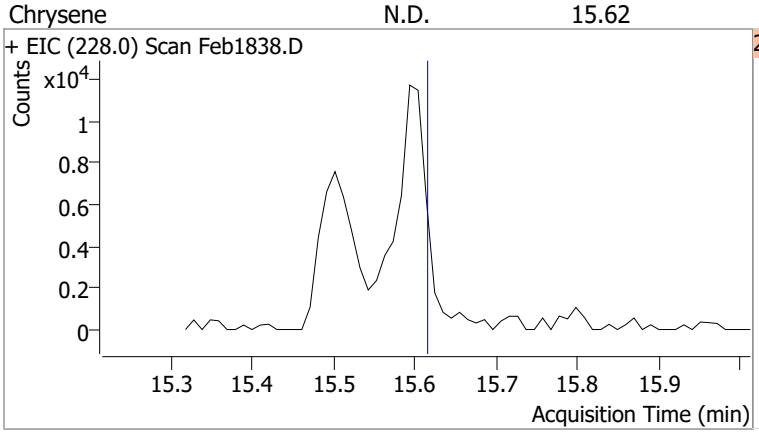


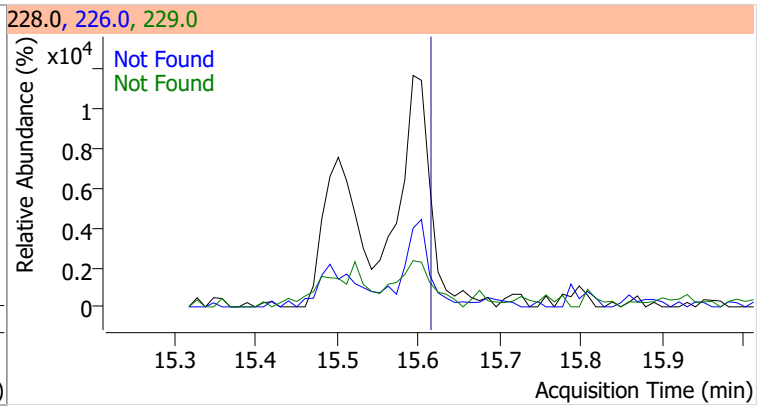
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



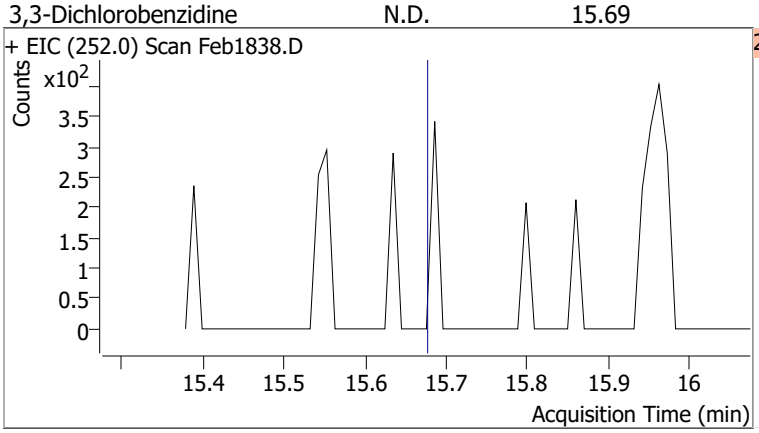


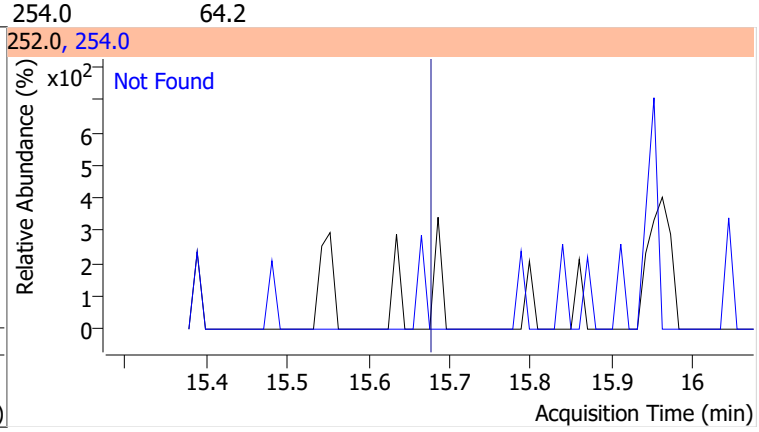
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



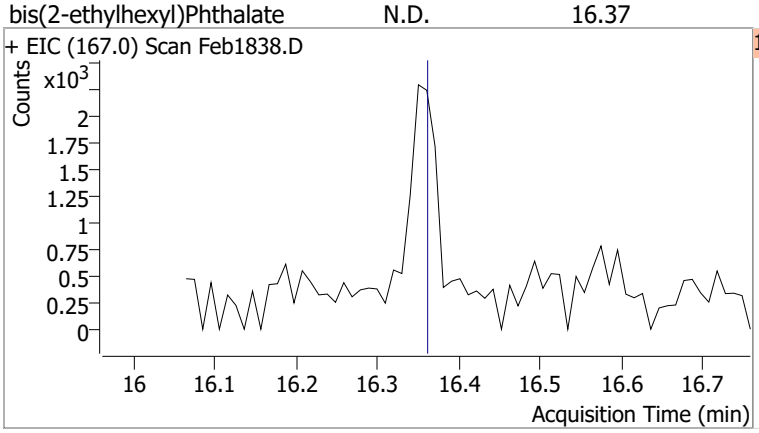


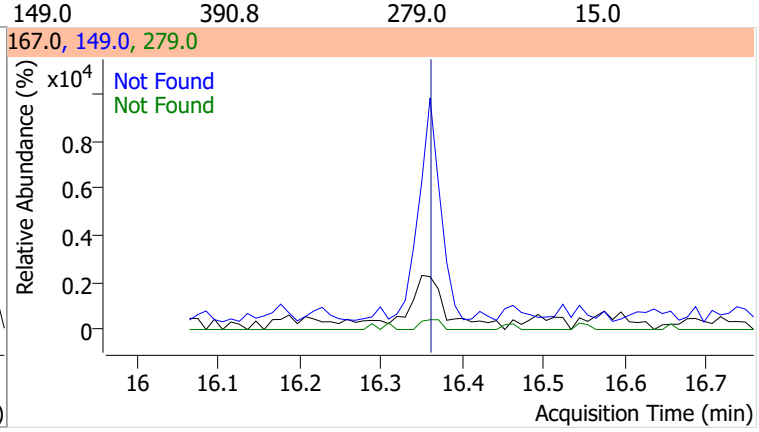
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



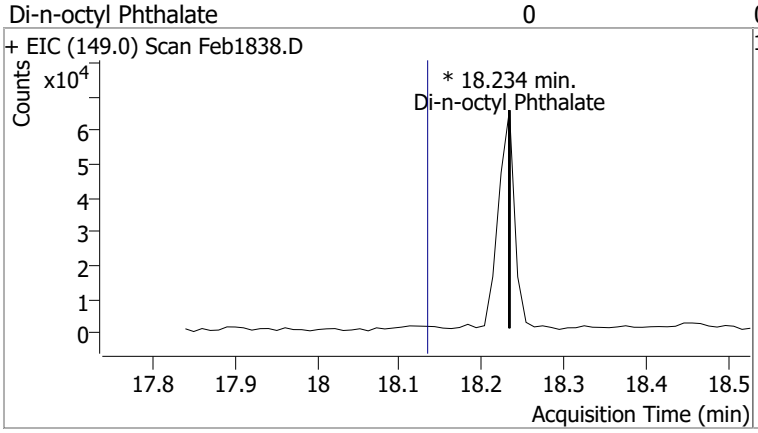


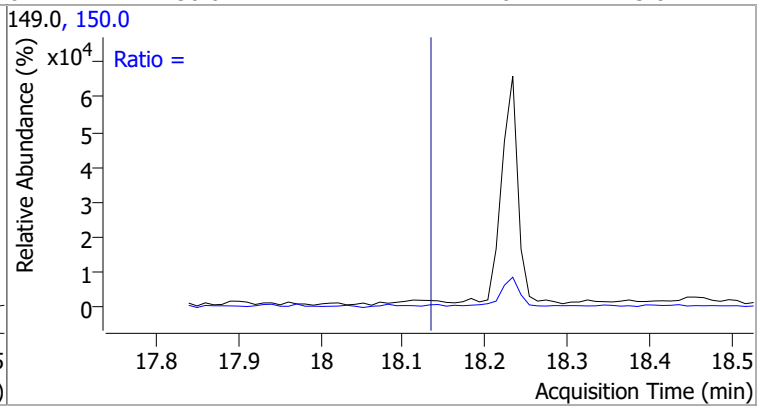
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



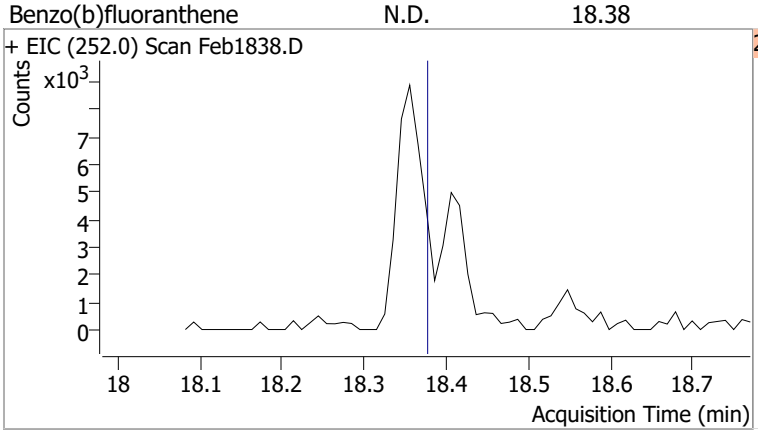


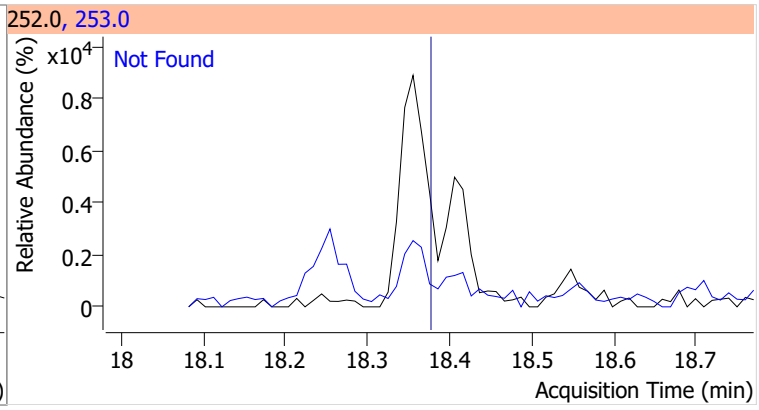
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate		0		0	150.0		7.0	13.0



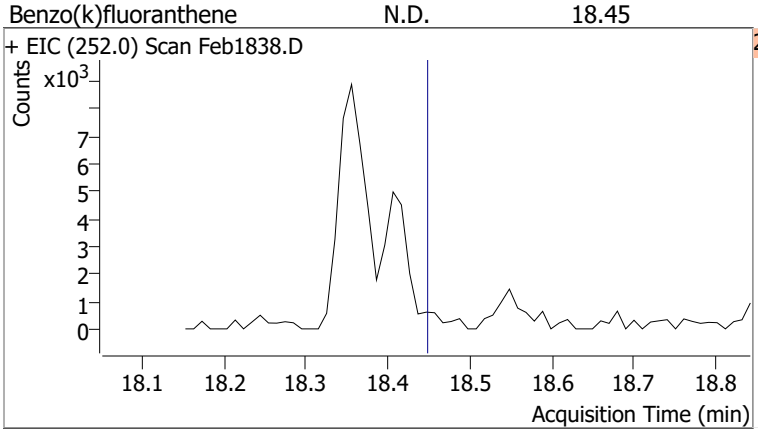


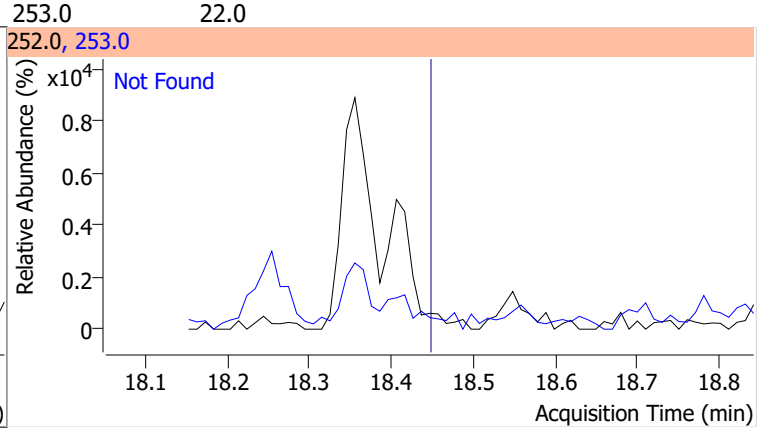
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



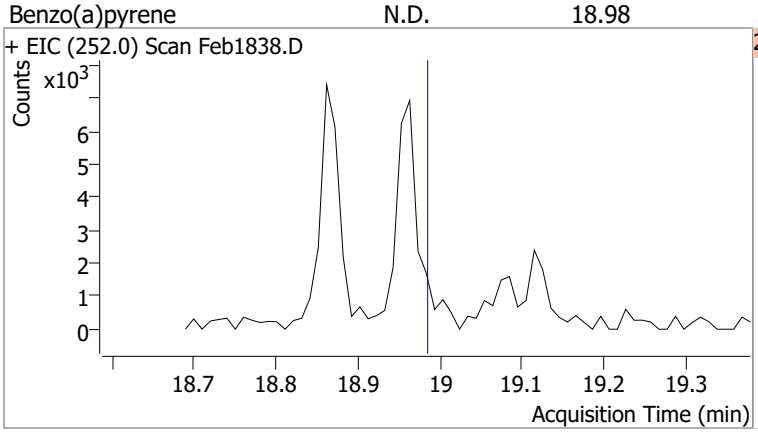


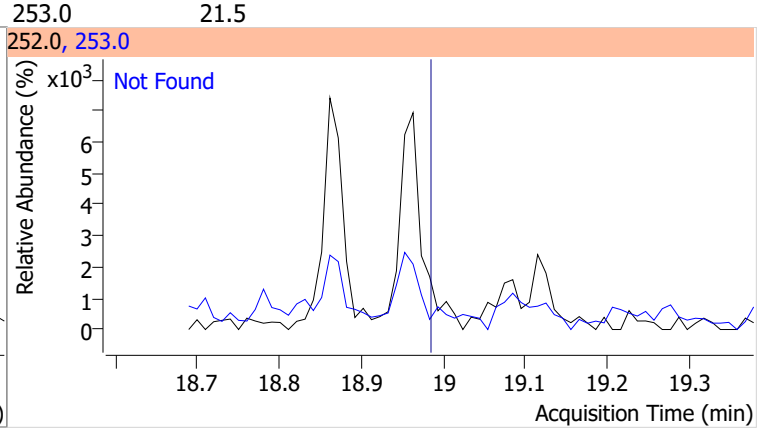
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



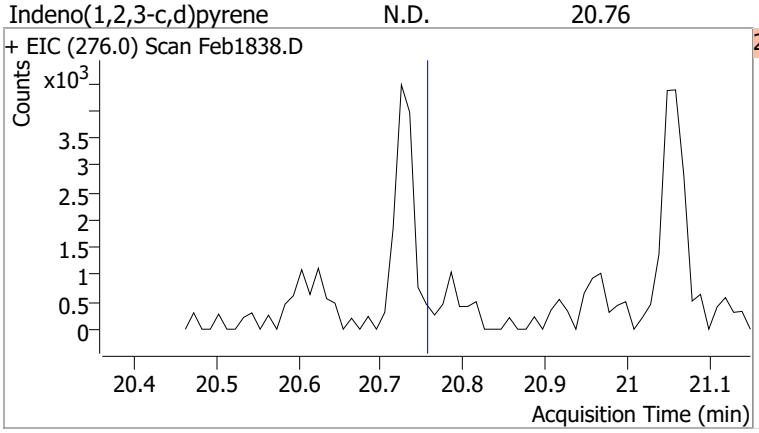


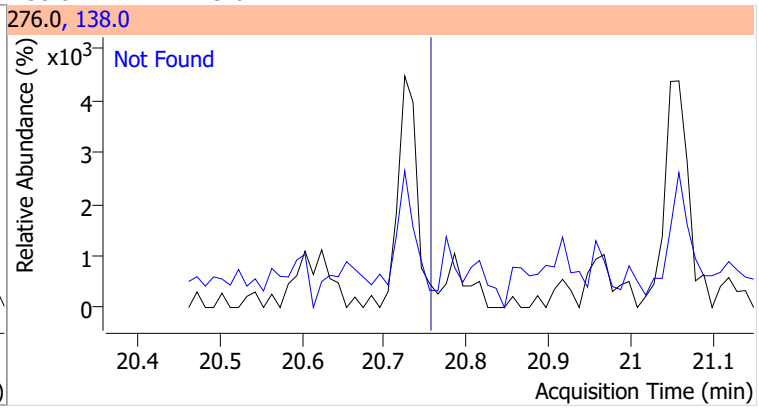
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



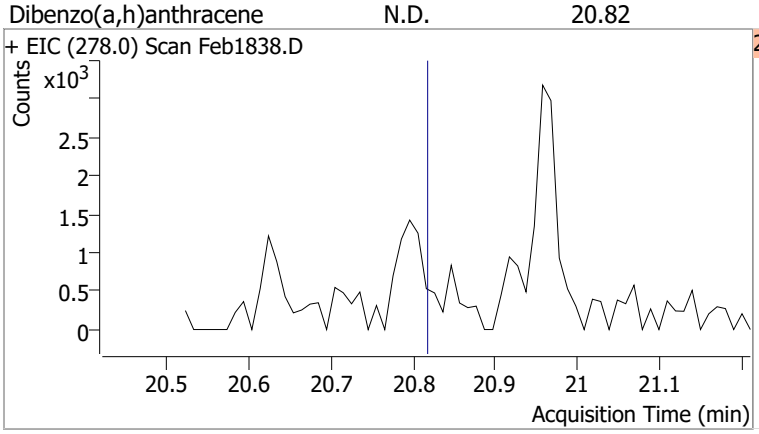


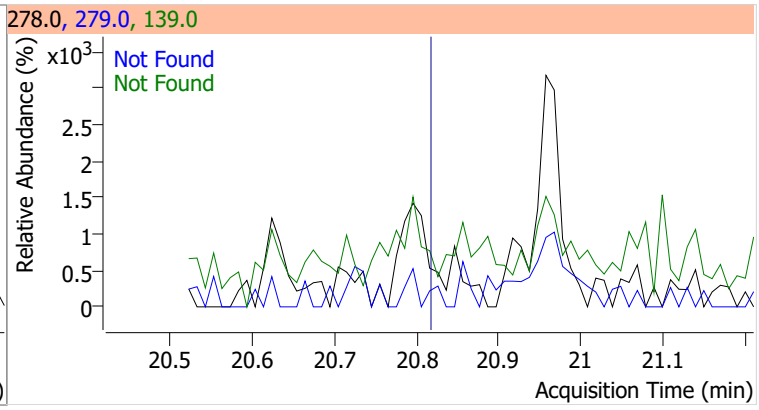
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



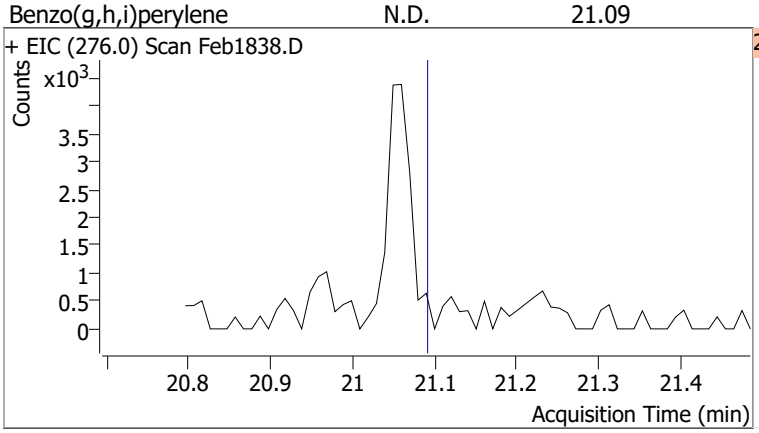


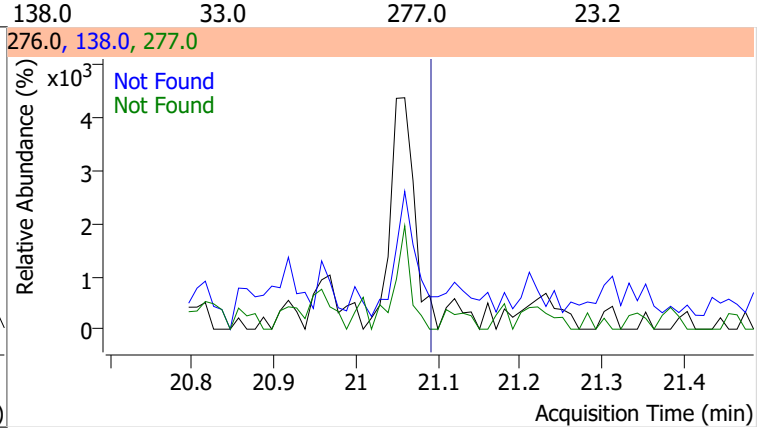
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





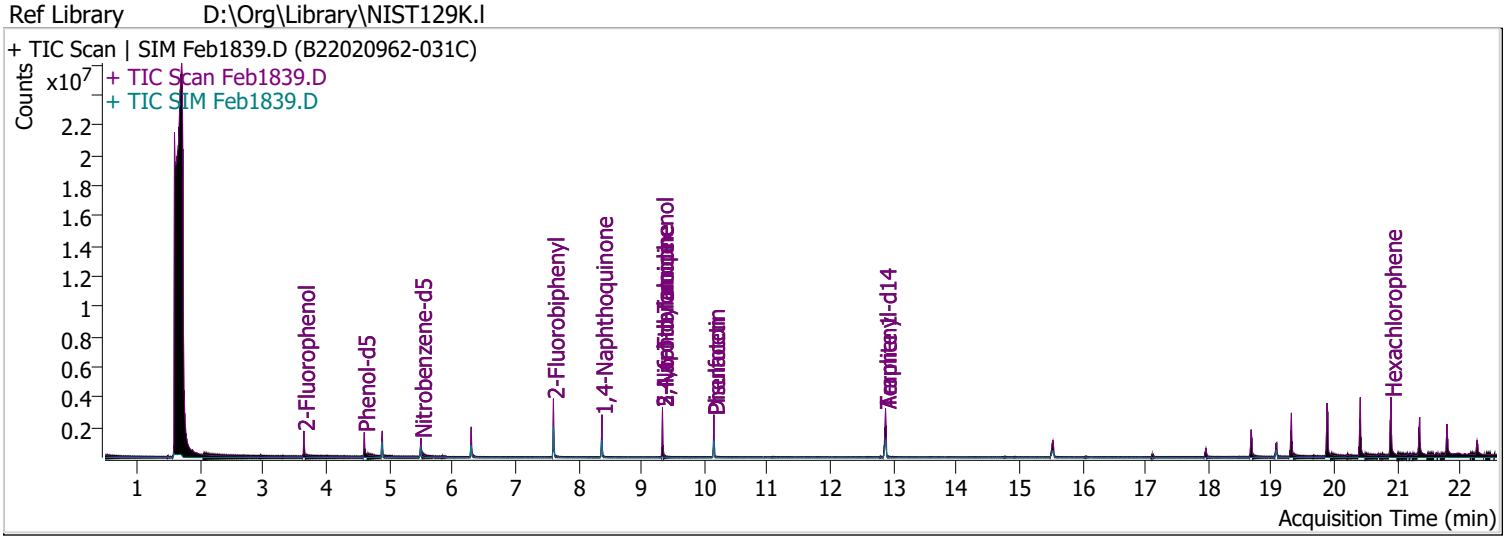
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1839.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/20/2022 4:16:54 AM
Sample Name	B22020962-031C	Instrument	Instrument #1
Vial	39	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



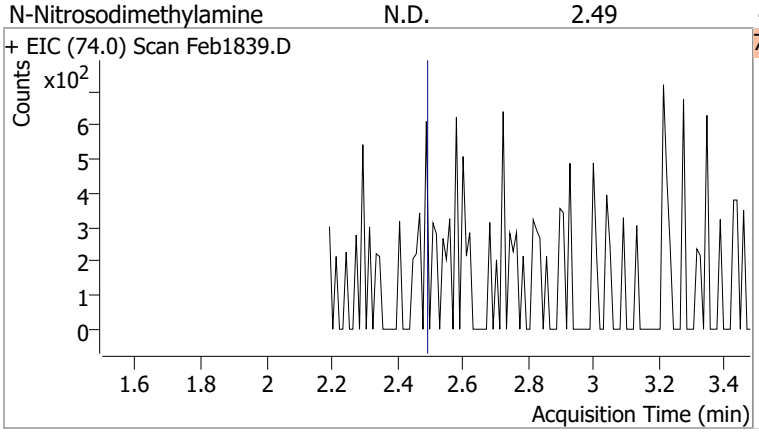
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	488798	62.1378	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 31.07%			
S Phenol-d5	4.603	99.0	601432	58.8429	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 29.42%			
S Nitrobenzene-d5	5.502	82.0	387625	68.3342	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 68.33%			
S 2-Fluorobiphenyl	7.605	172.0	1176255	68.0141	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 68.01%			
S 2,4,6-Tribromophenol	9.336	329.8	266255	162.7379	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 81.37%			
S Terphenyl-d14	12.875	244.3	1762794	103.1328	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 103.13%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	4.889	63.0	0		µg/L	md	1
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

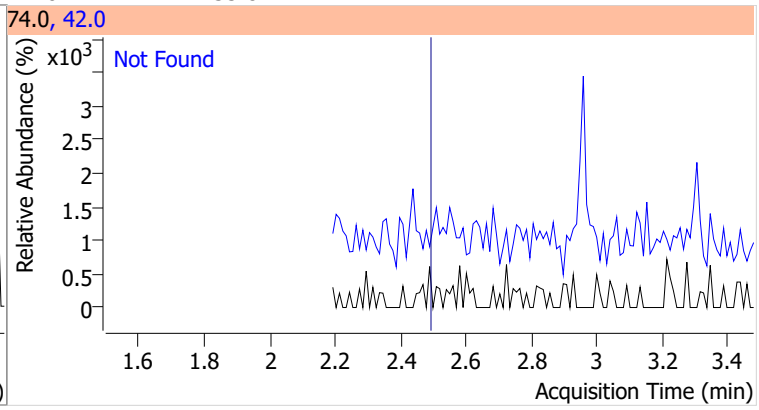
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	0.000		0	N.D.			
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	9.336	198.0	0		µg/L	md	1
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

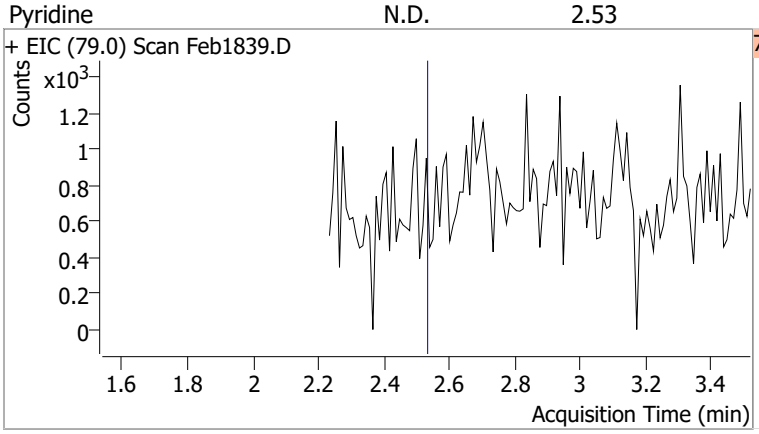
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

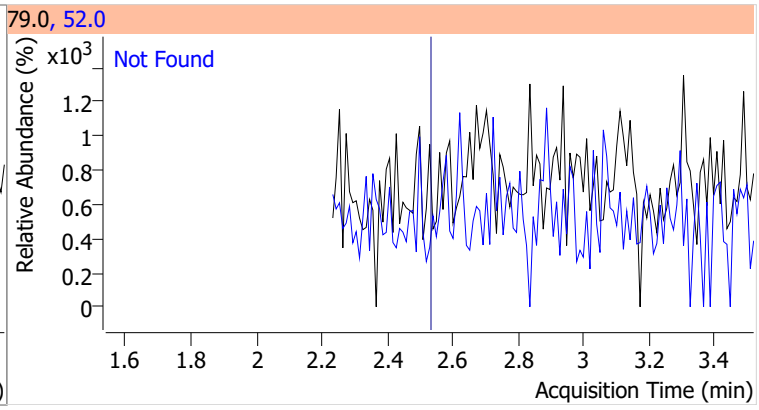
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



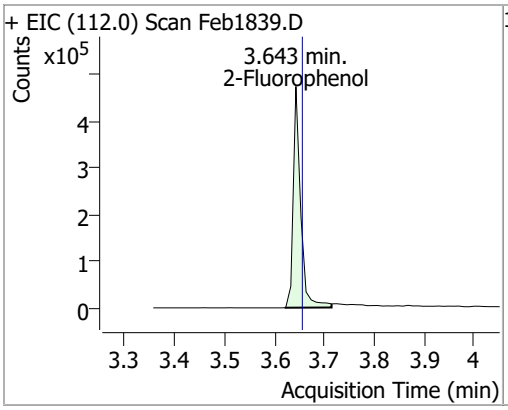


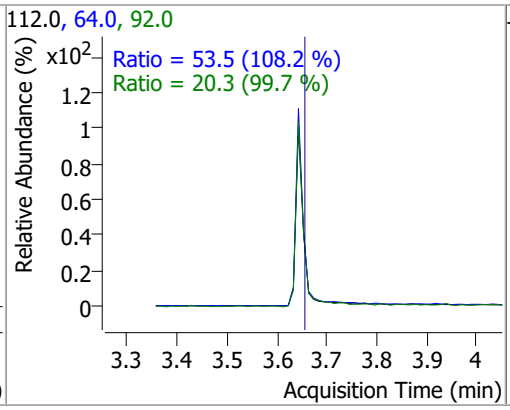
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

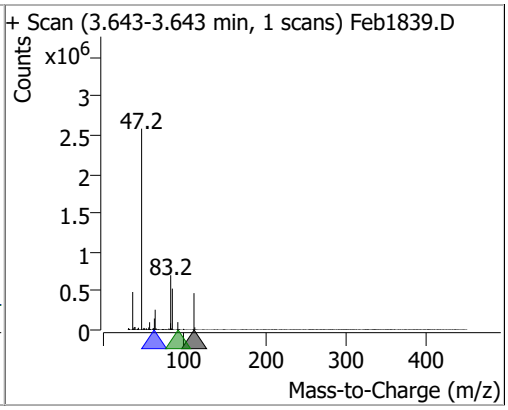




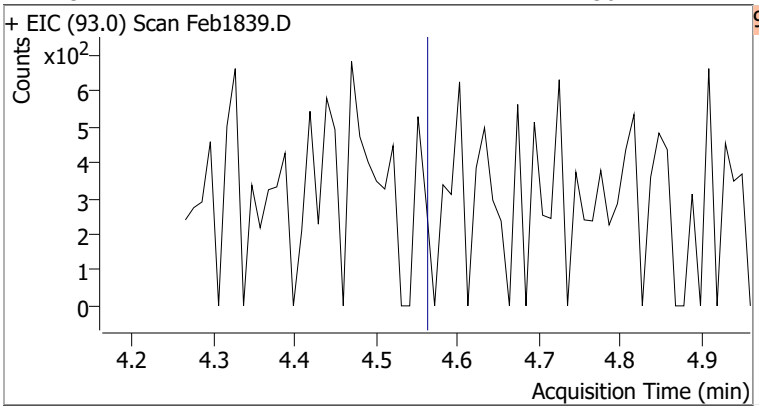
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	62.1378	3.64	-0.01	488798	64.0	53.5	34.6	64.3
					92.0	20.3	14.2	26.5

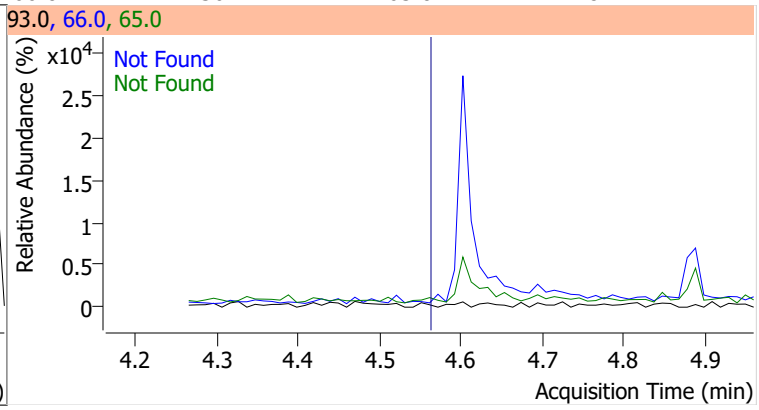




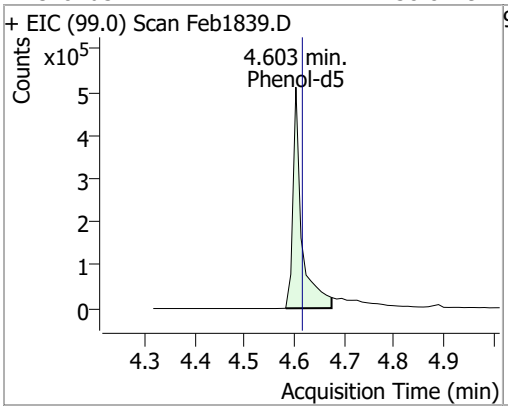


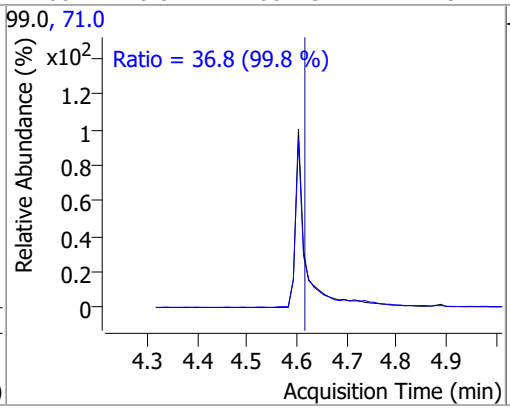
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

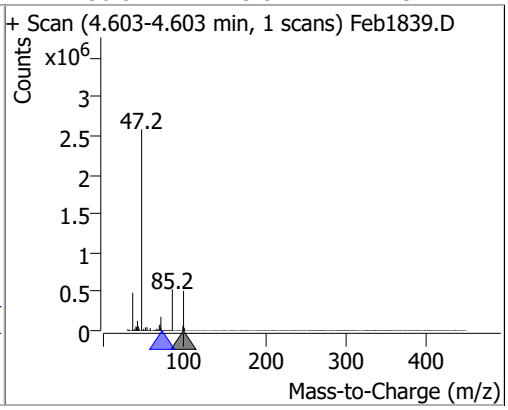




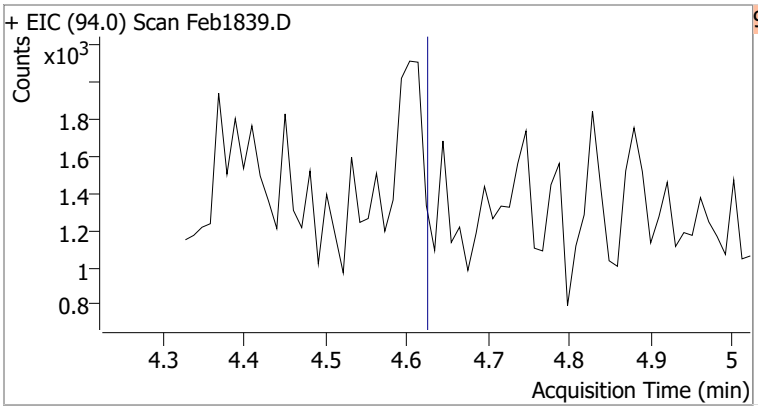
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	58.8429	4.60	-0.01	601432	71.0	36.8	25.8	47.9

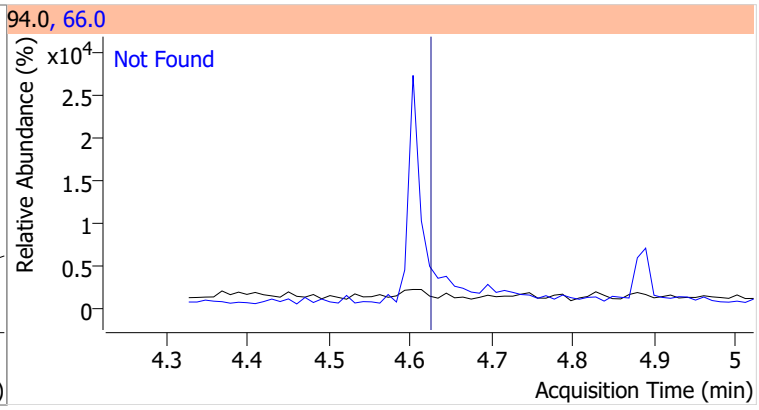




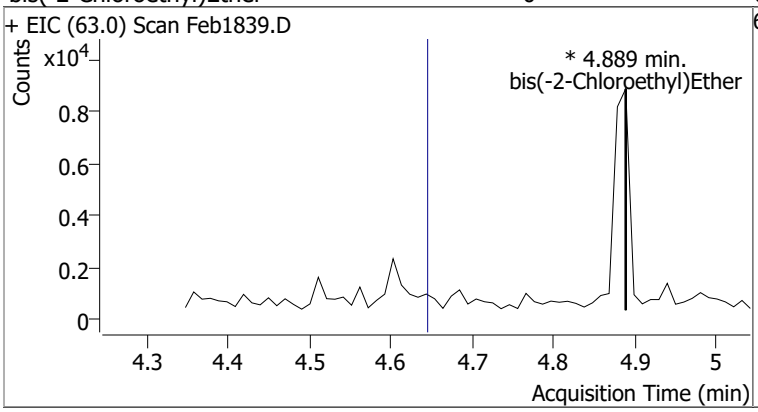


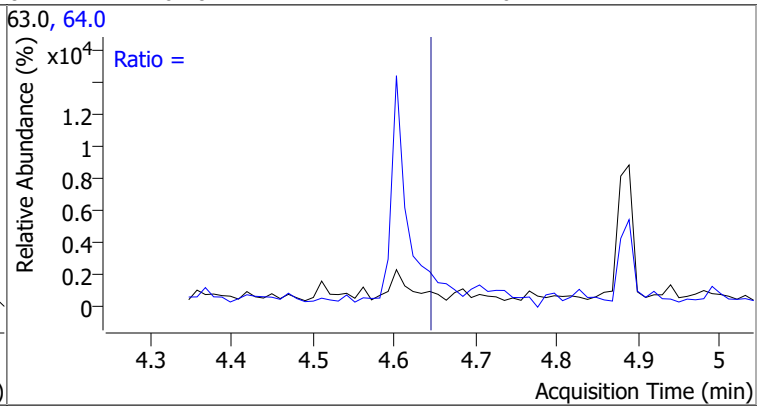
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



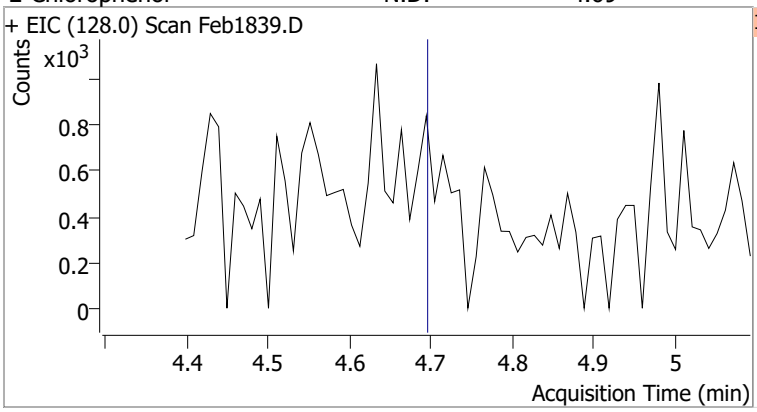


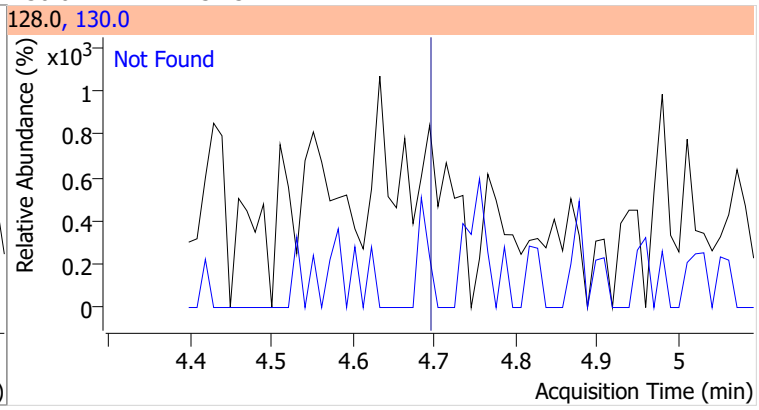
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether		0		0	64.0		7.6	14.1



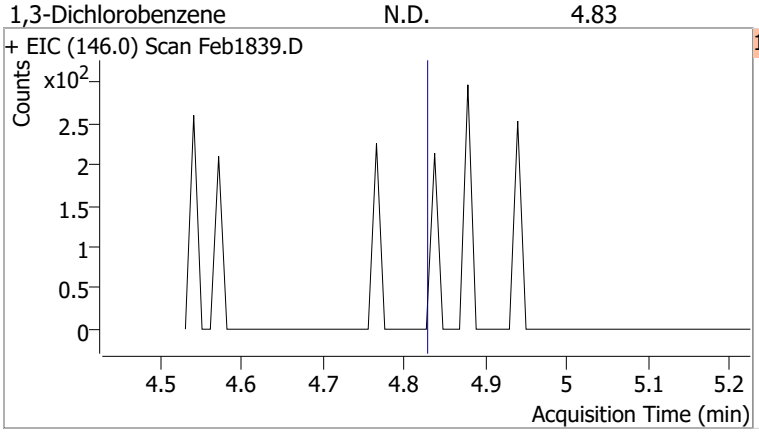


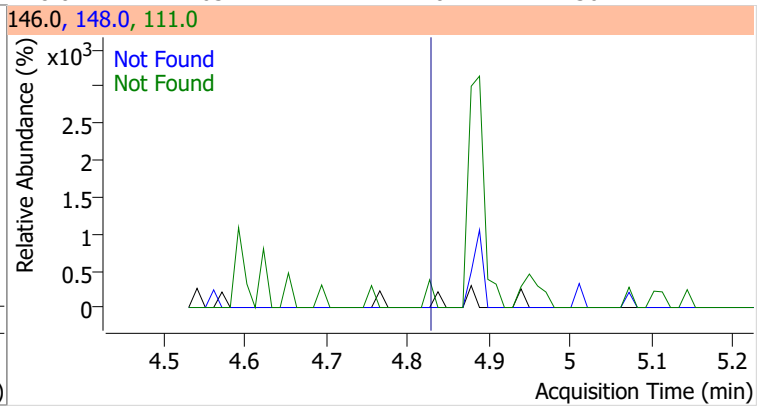
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



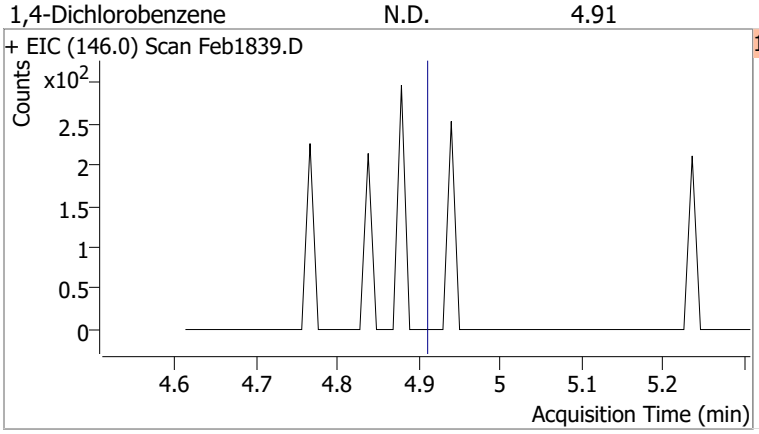


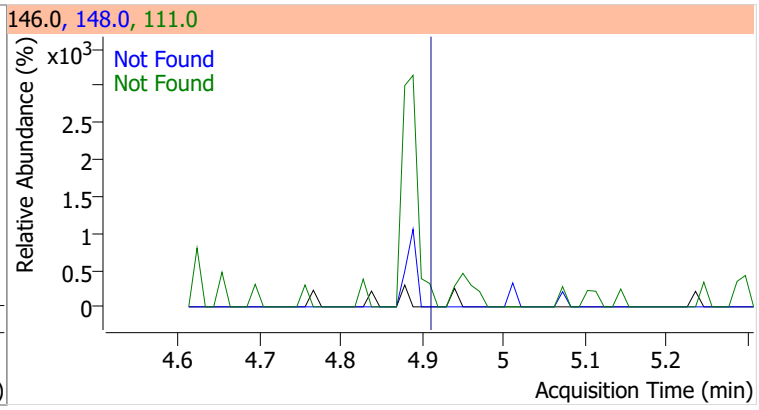
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



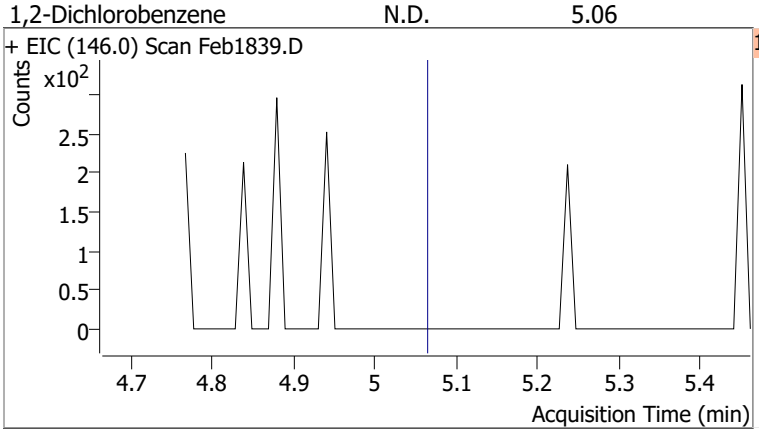


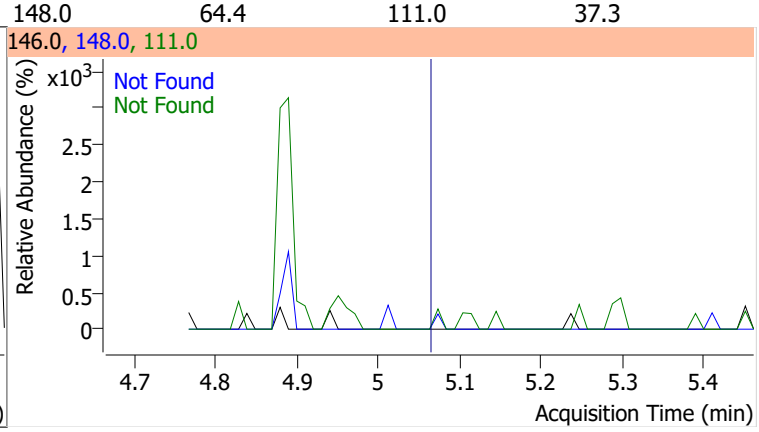
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



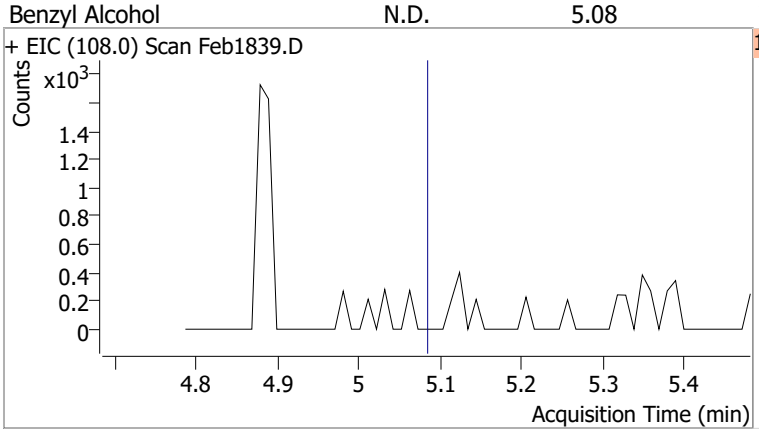


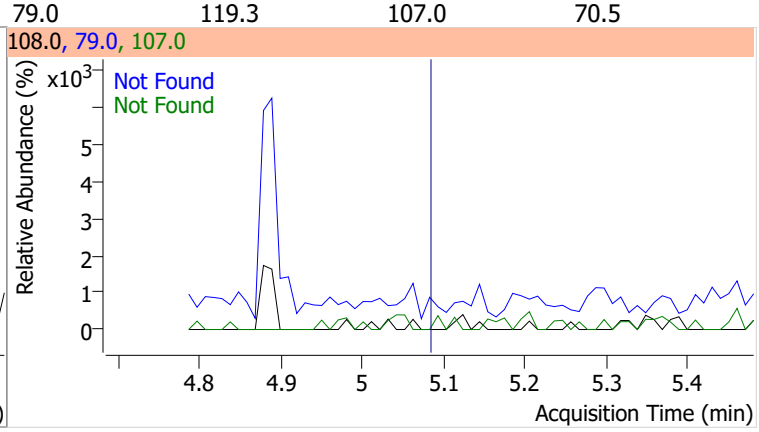
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



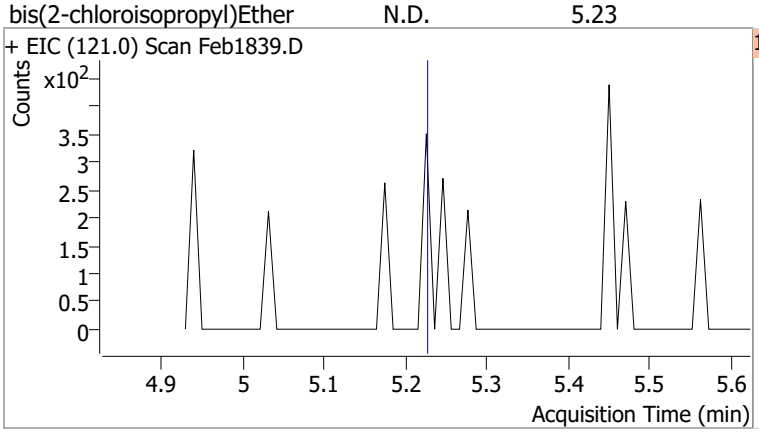


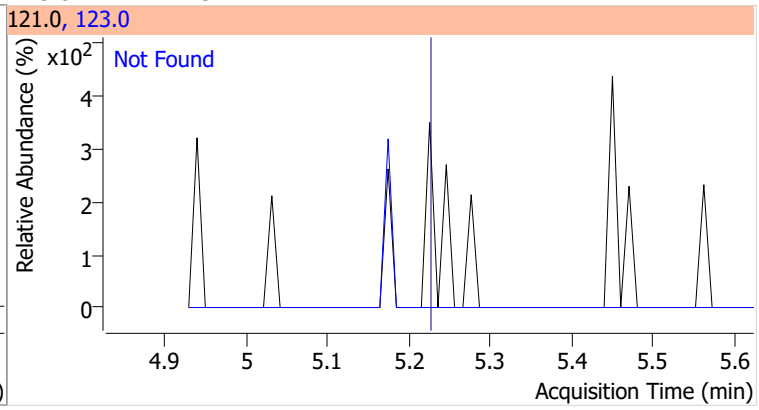
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



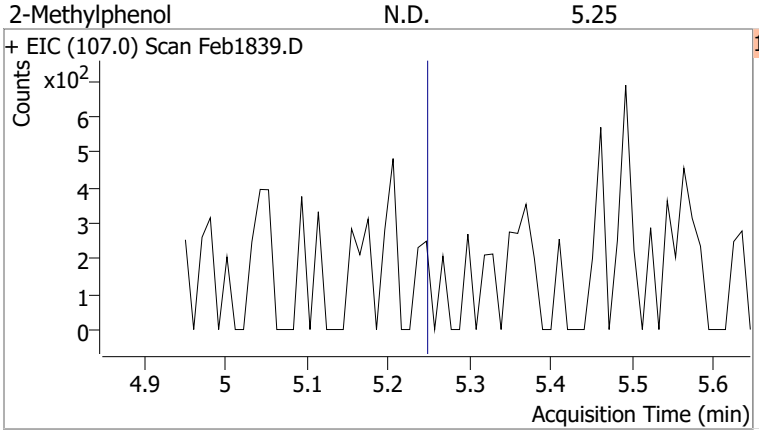


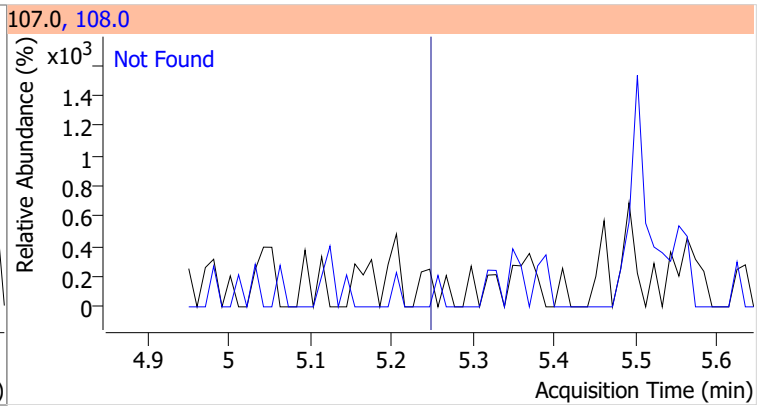
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



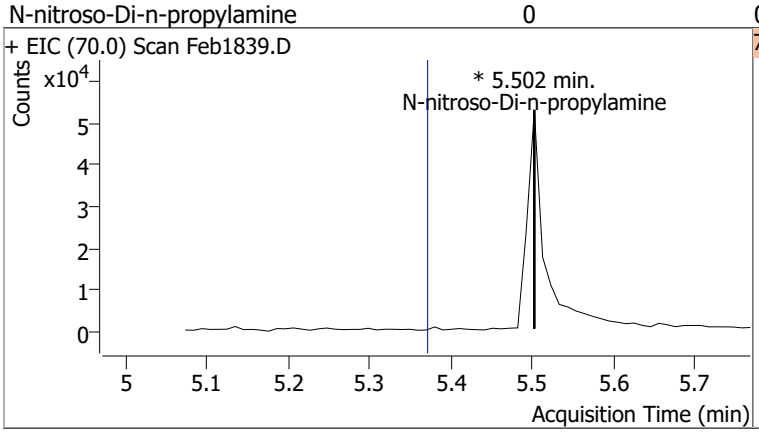


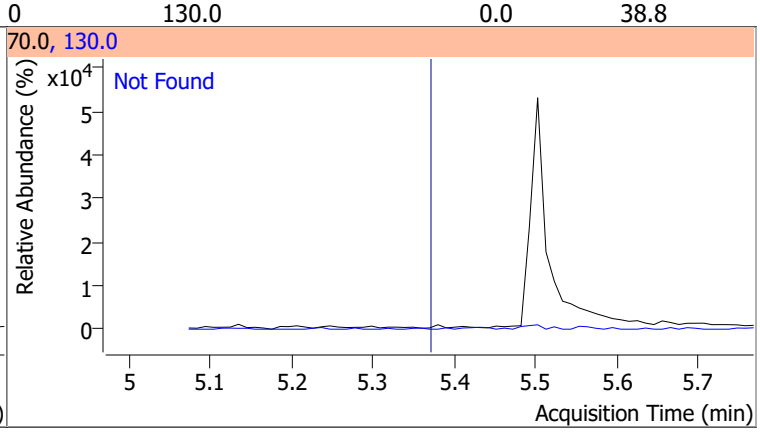
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



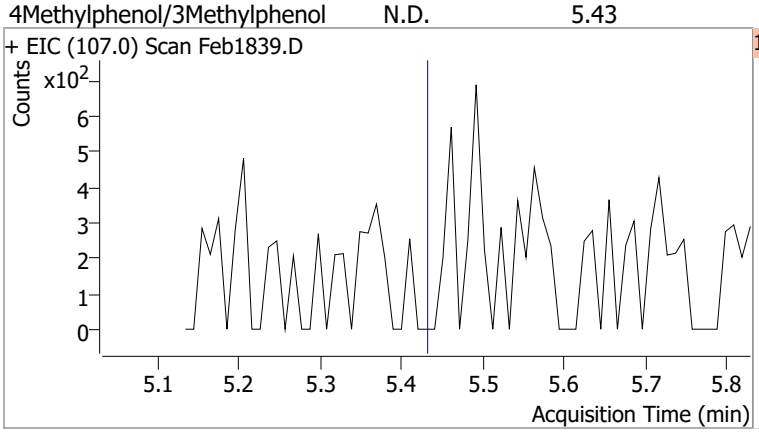


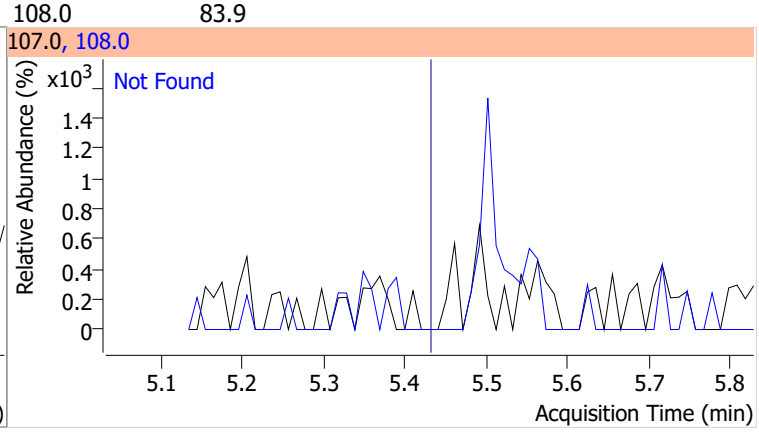
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



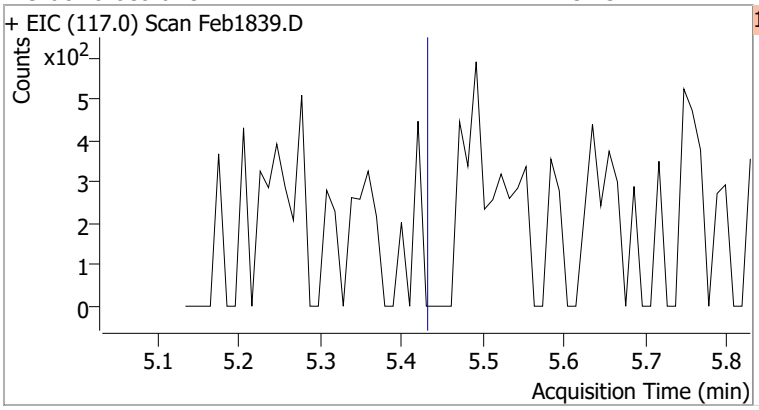


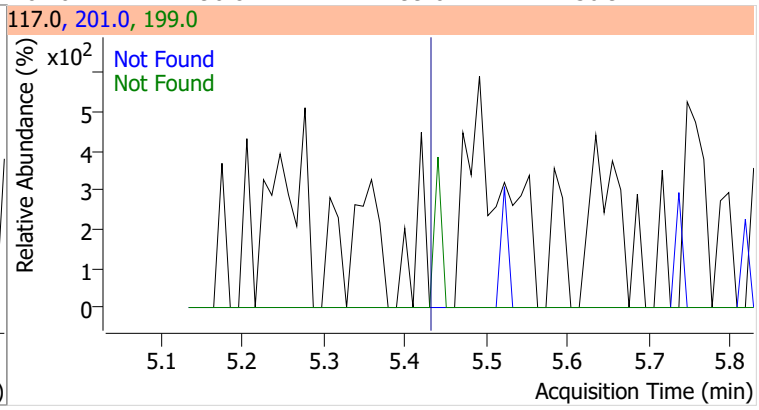
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



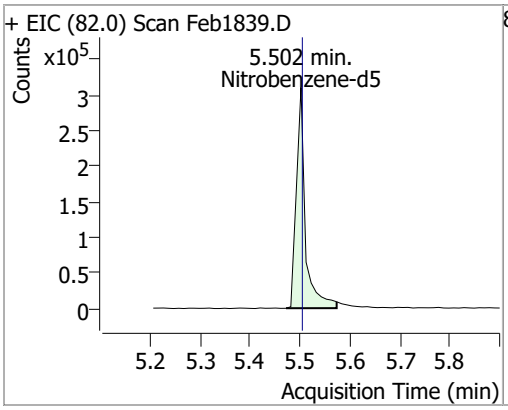


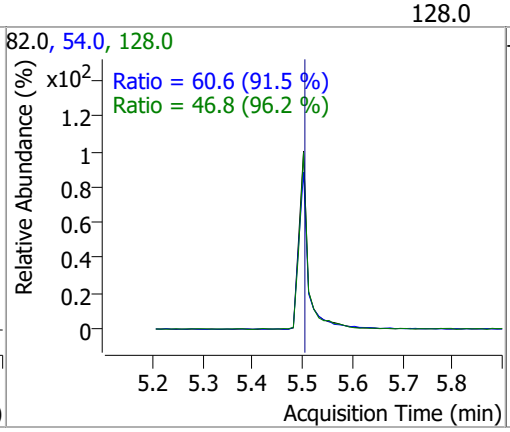
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

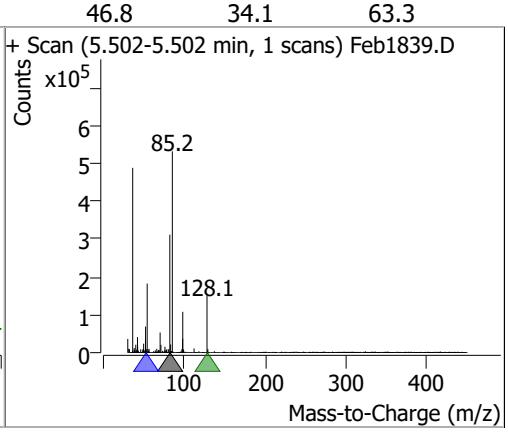




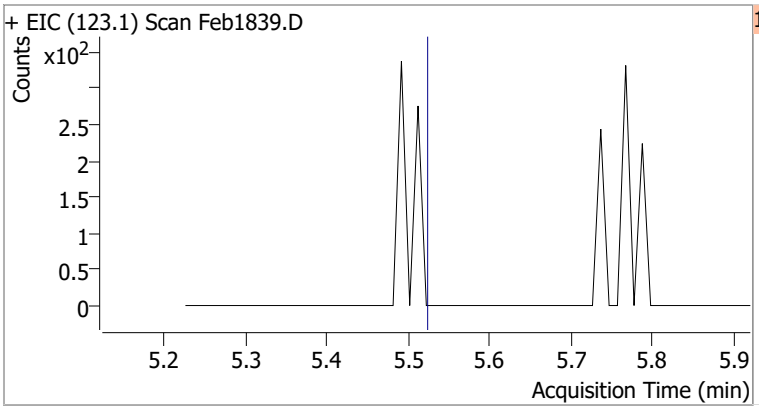
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	68.3342	5.50	0.00	387625	54.0	60.6	46.3	86.0
					128.0	46.8	34.1	63.3

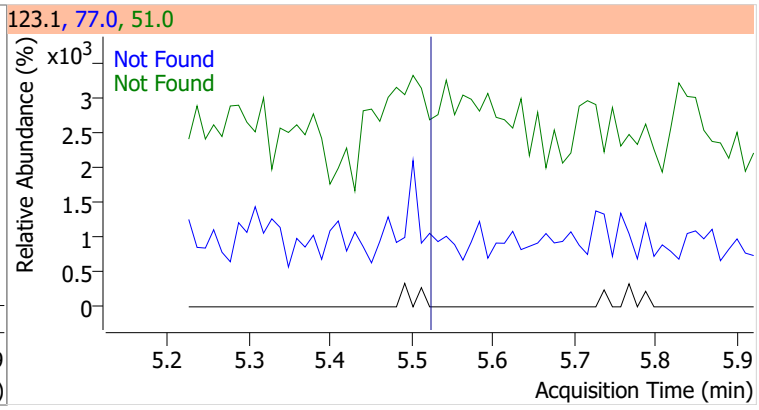




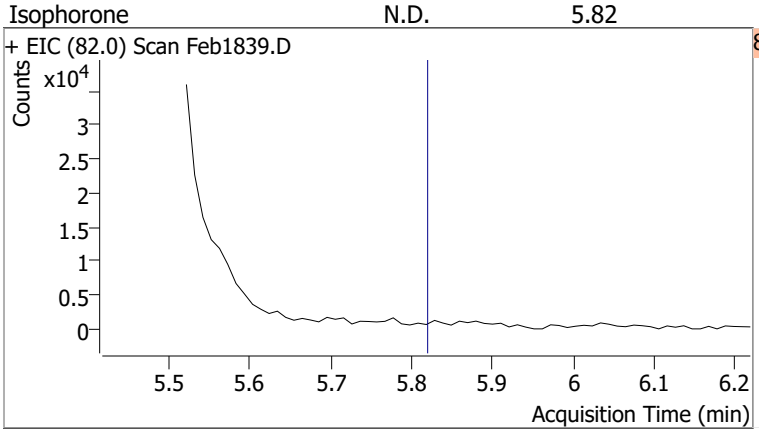


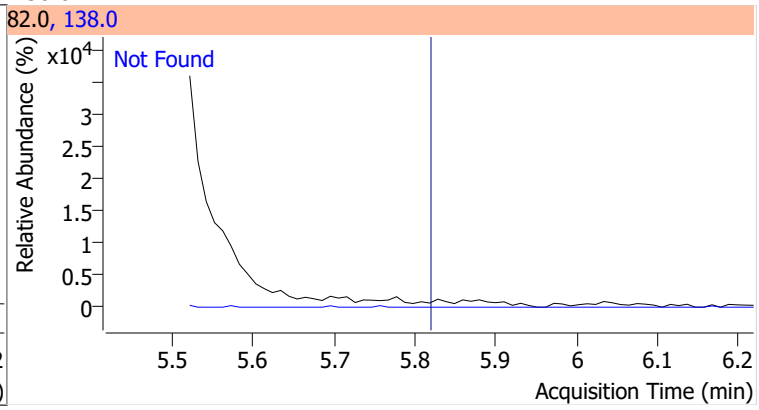
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



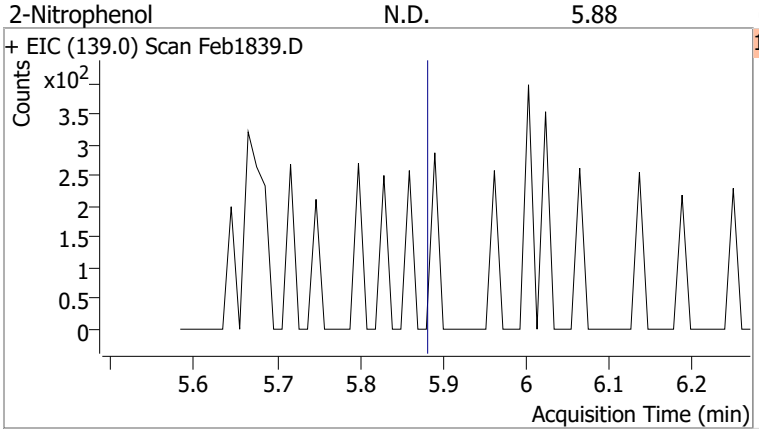


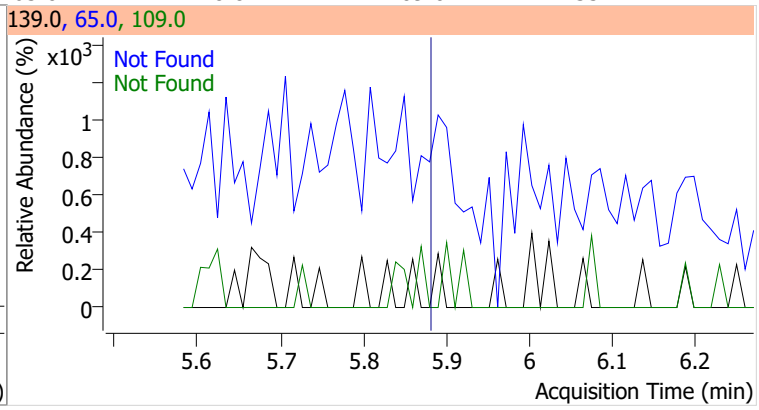
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



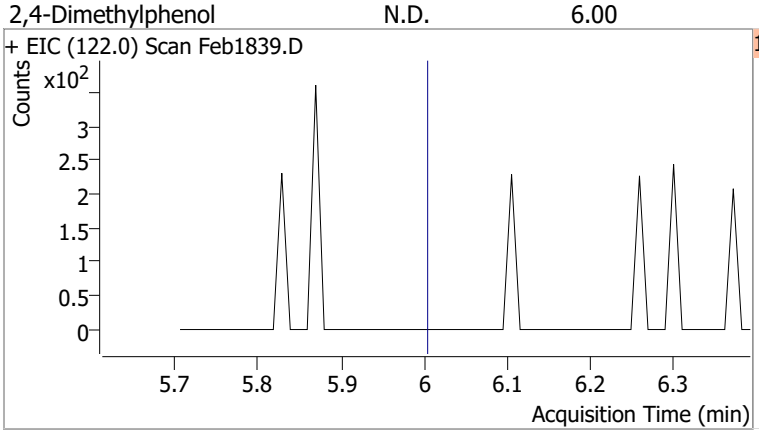


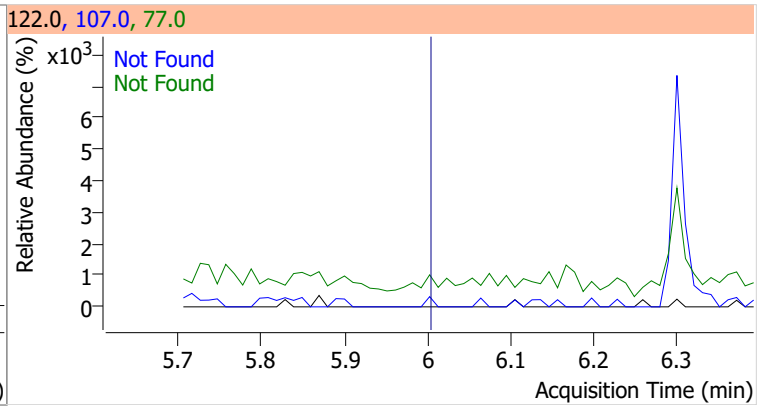
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



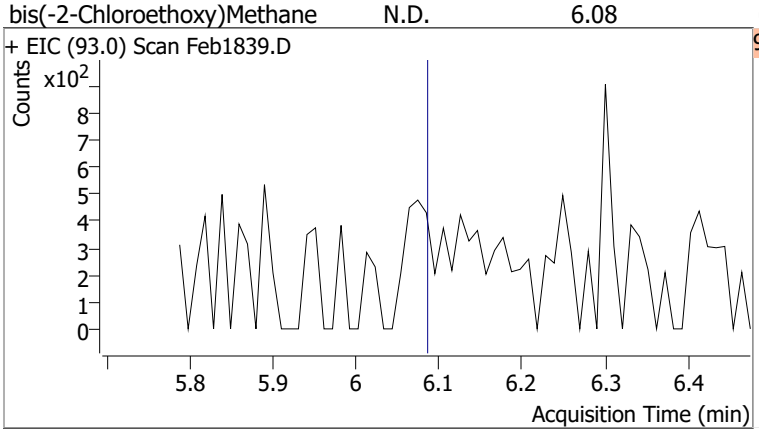


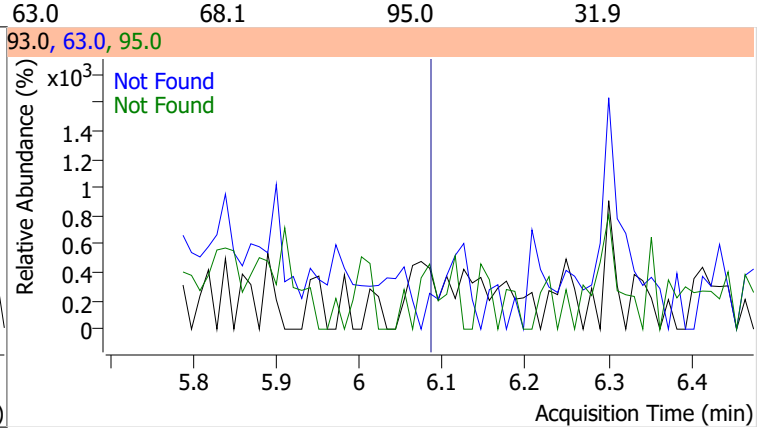
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



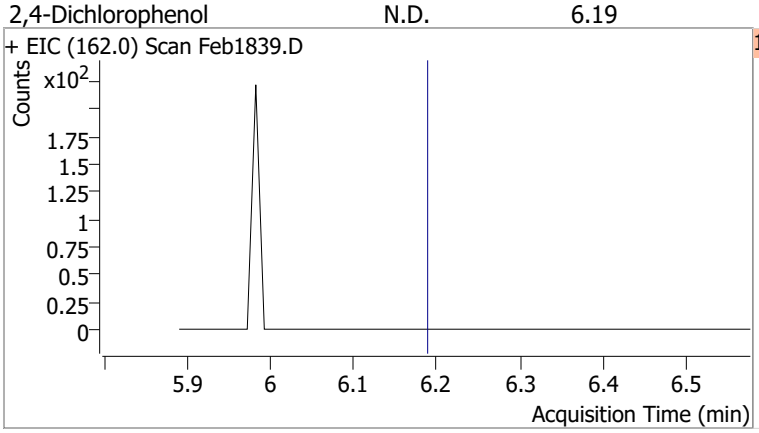


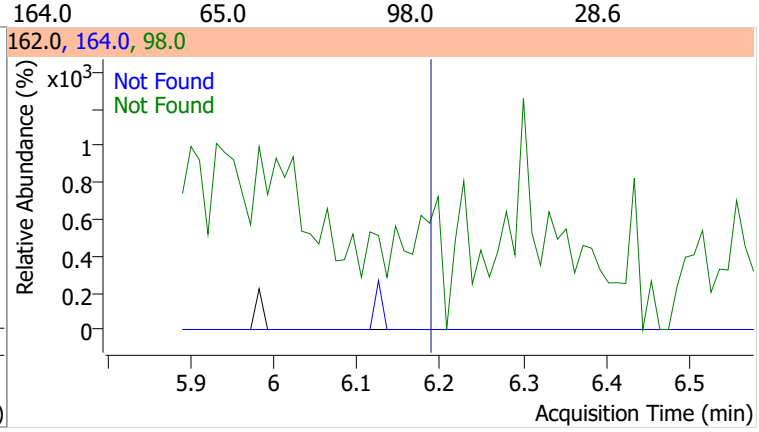
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



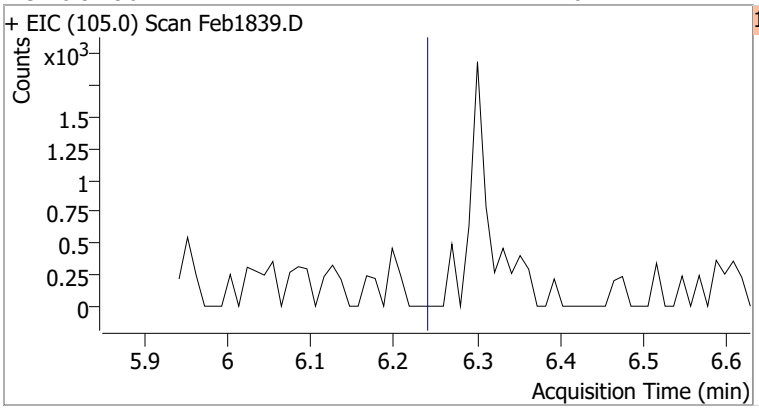


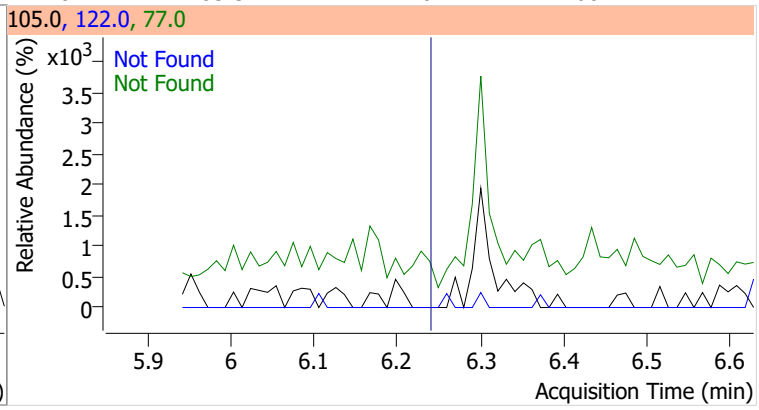
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



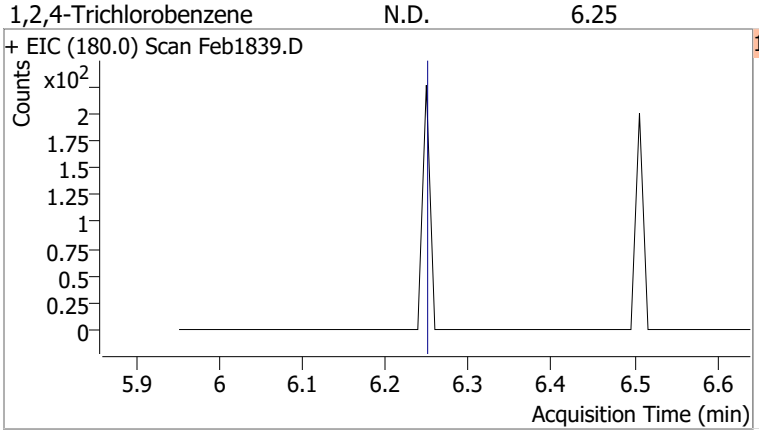


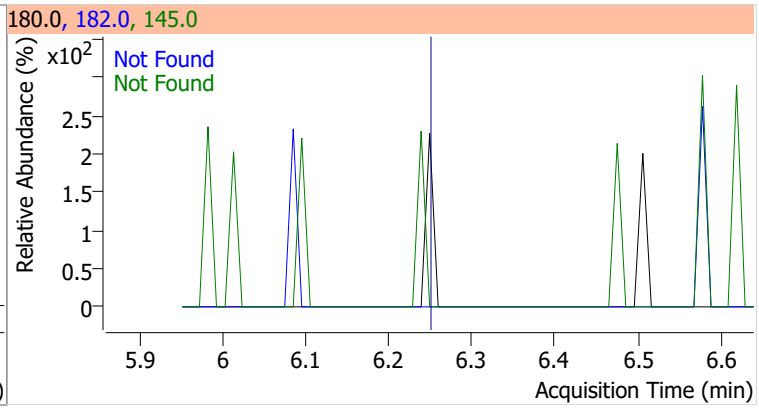
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



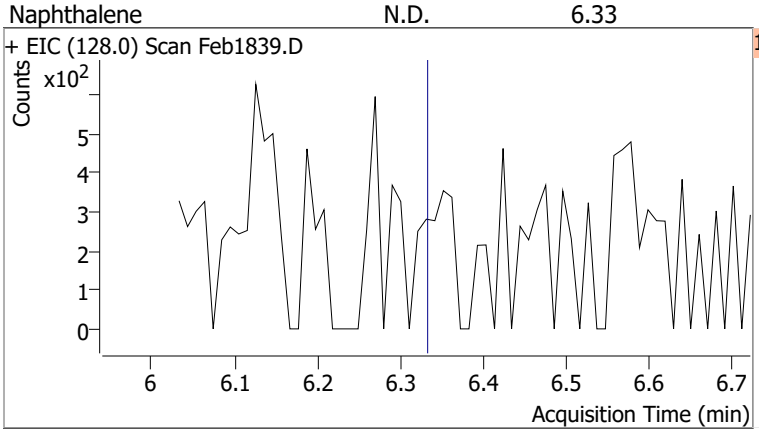


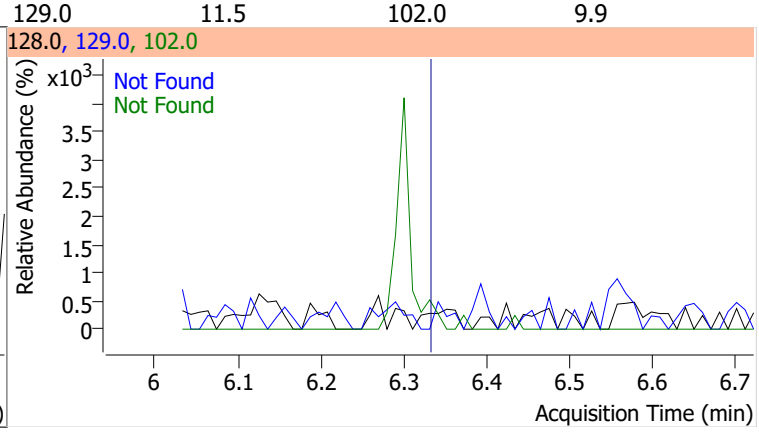
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



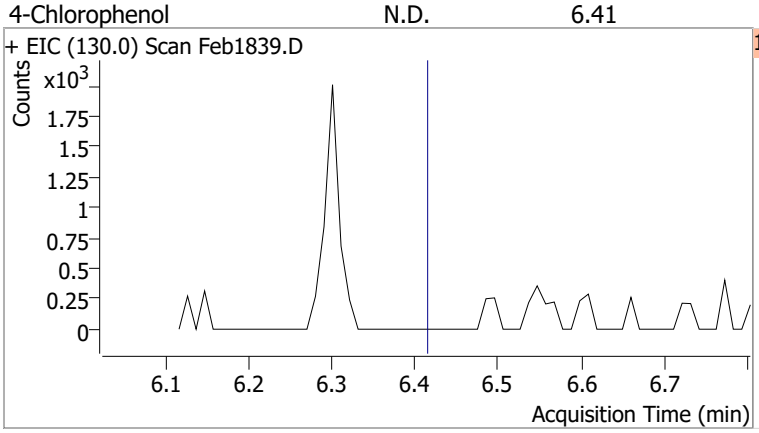


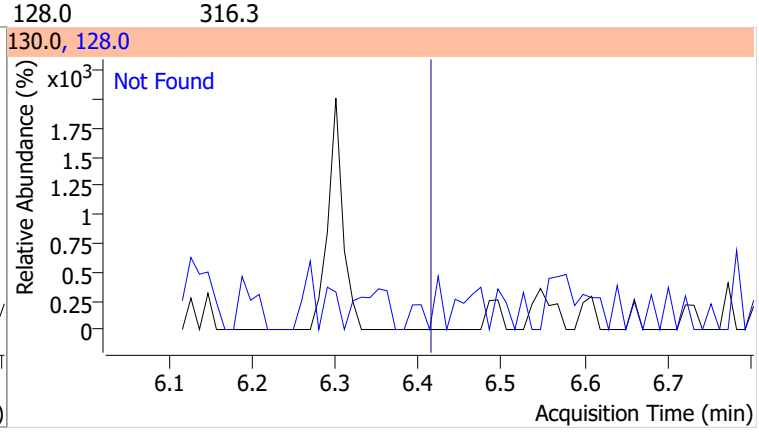
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



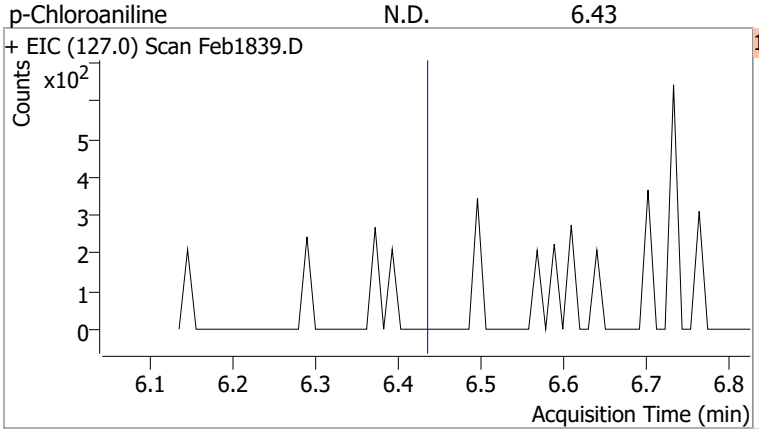


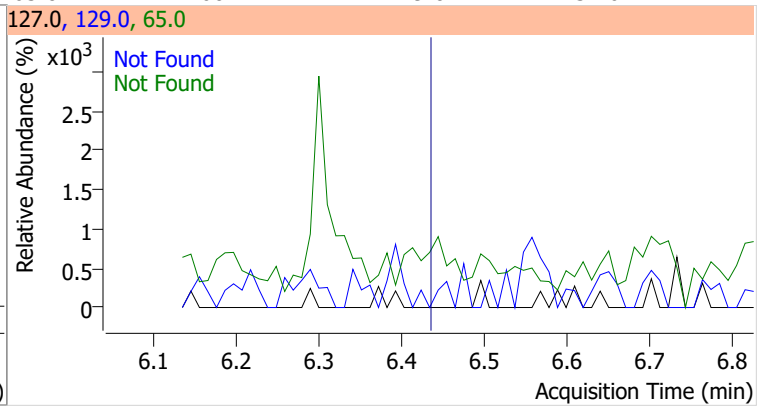
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorophenol	N.D.	6.41	128.0	316.3



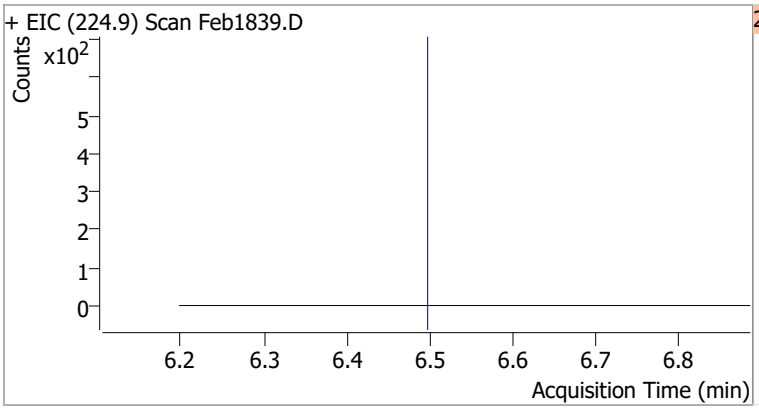


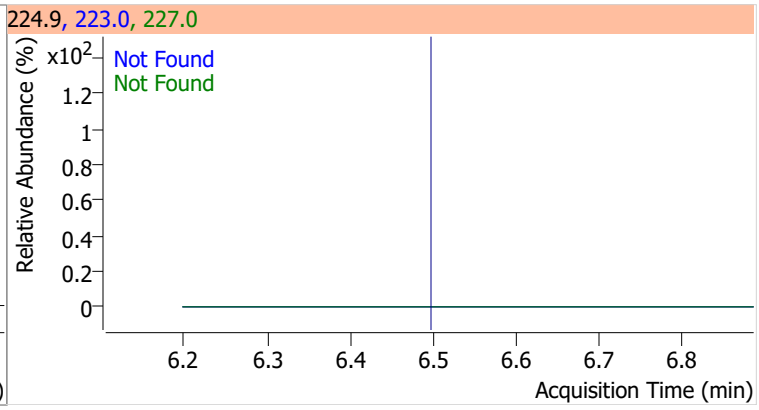
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



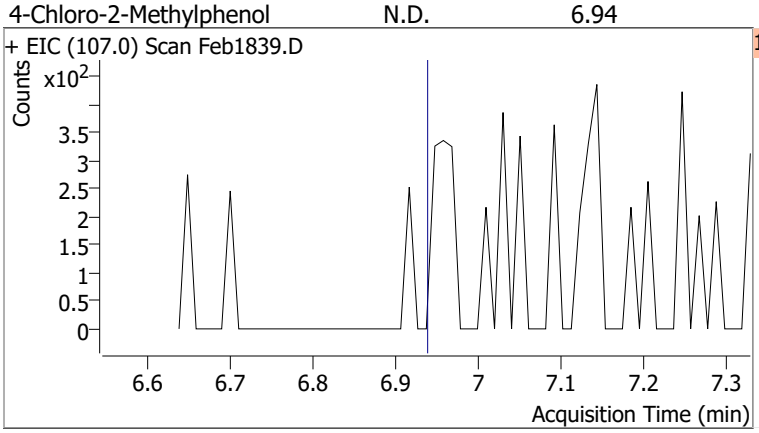


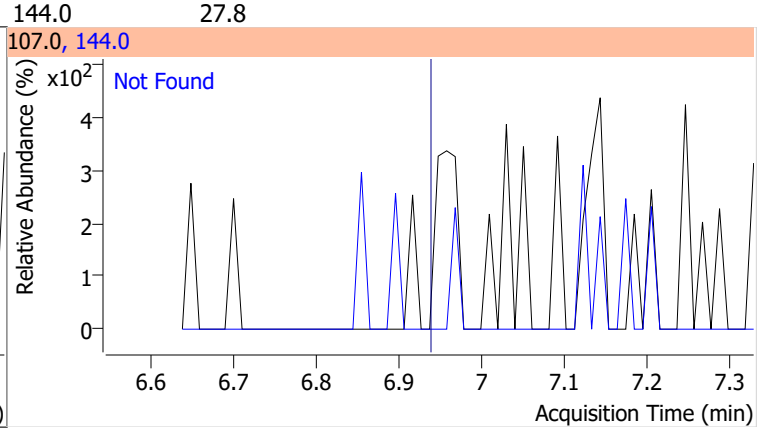
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



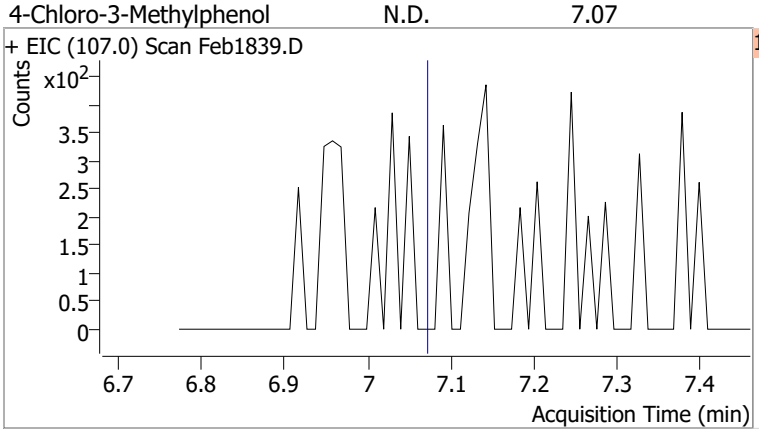


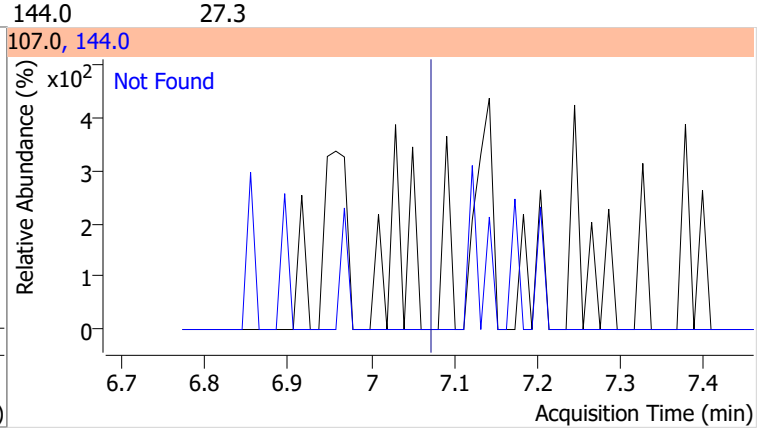
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



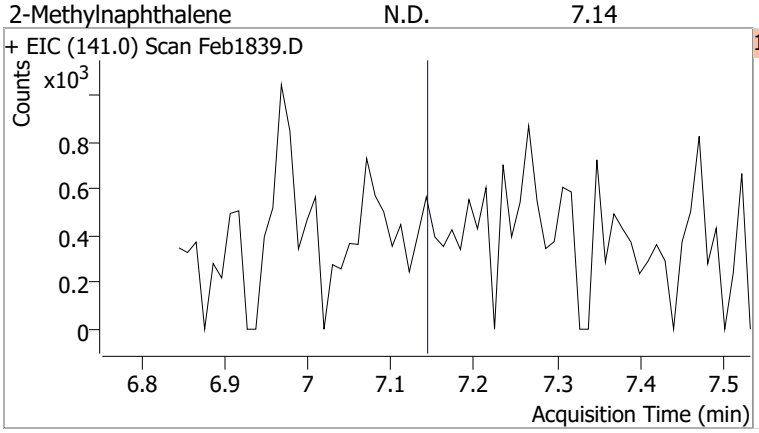


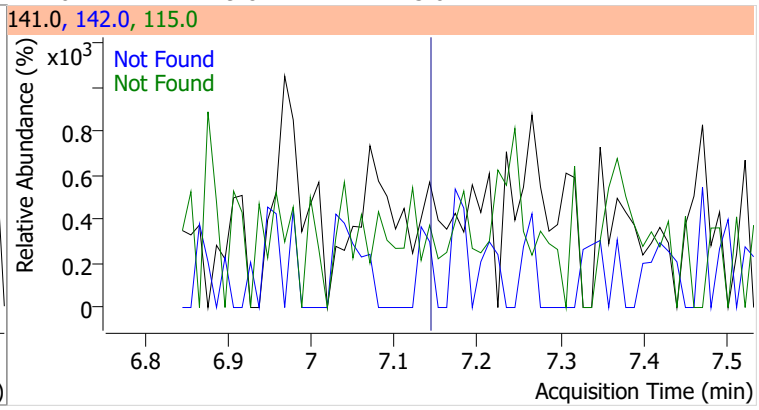
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



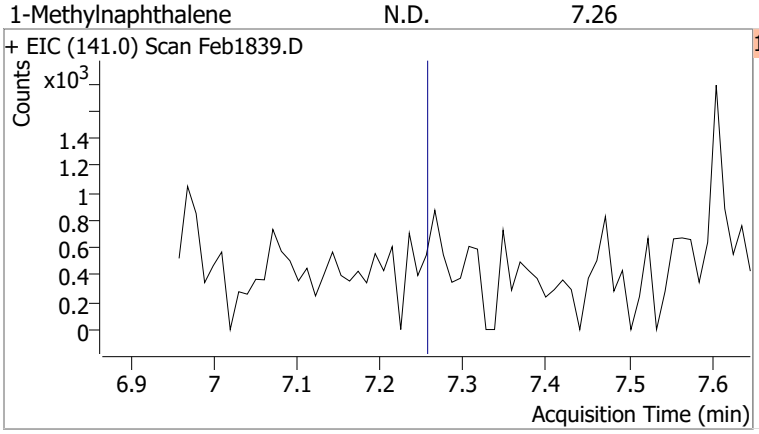


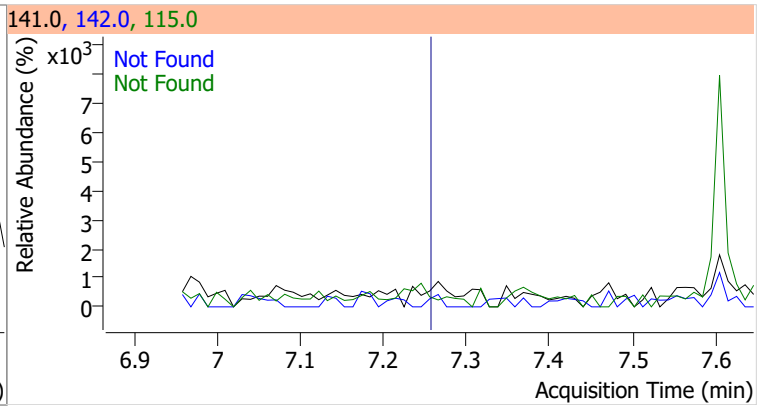
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



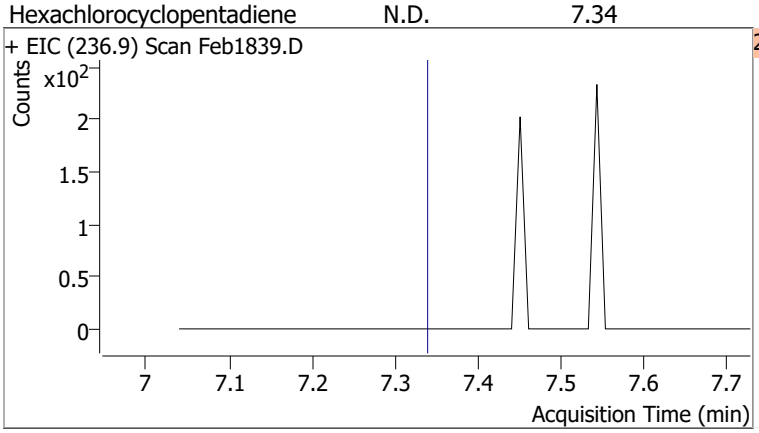


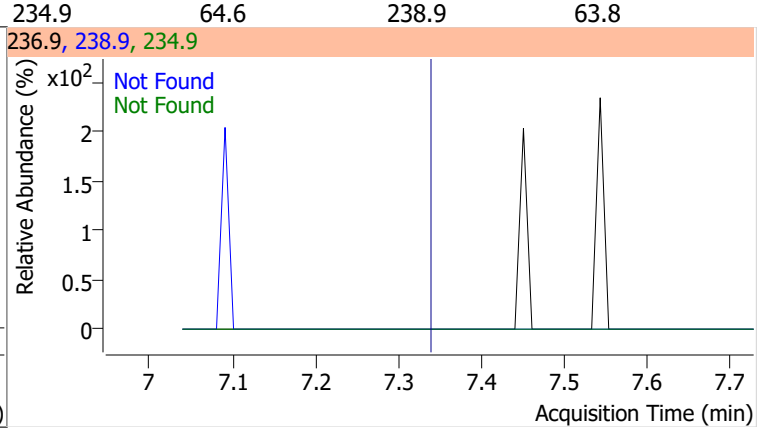
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



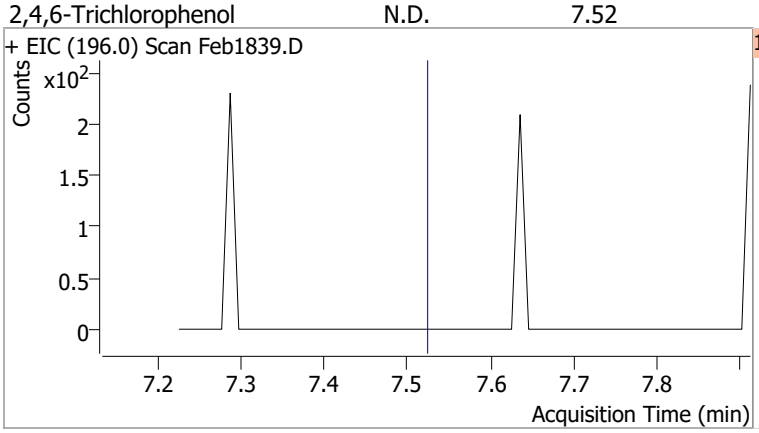


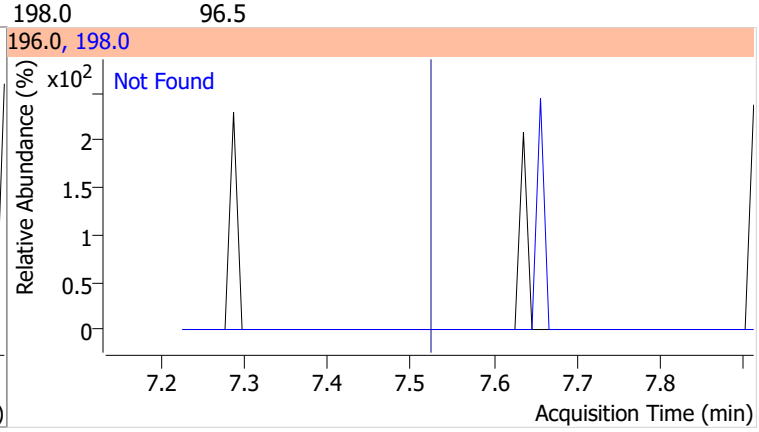
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



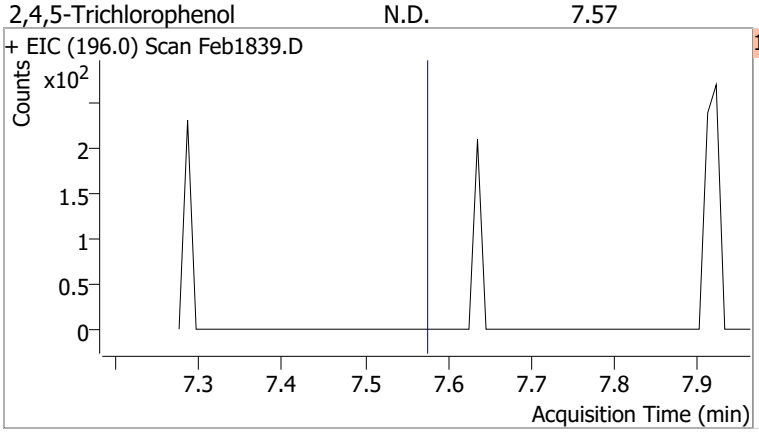


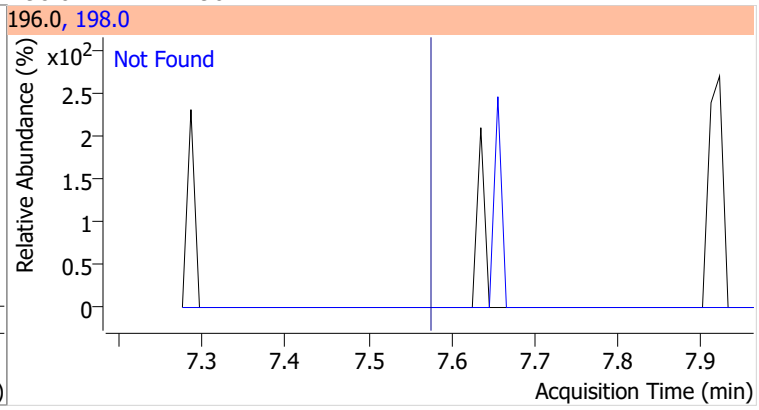
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



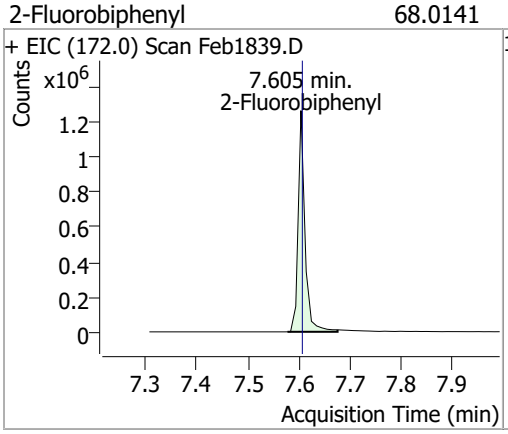


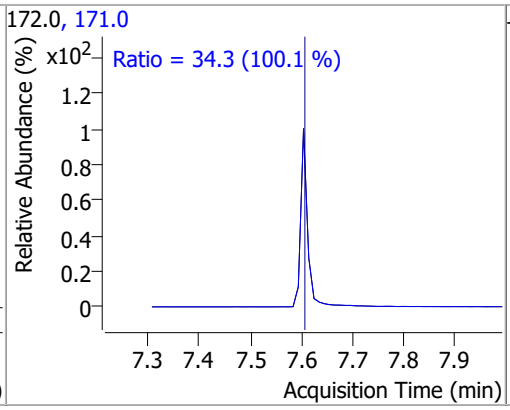
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

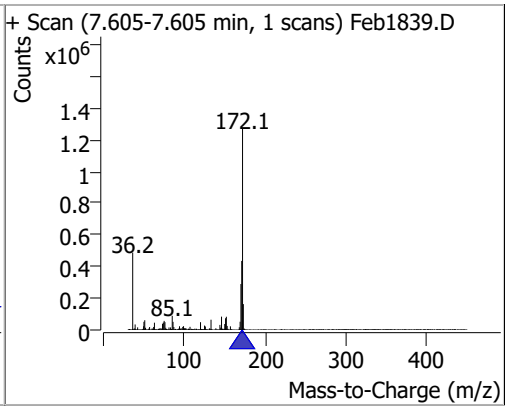




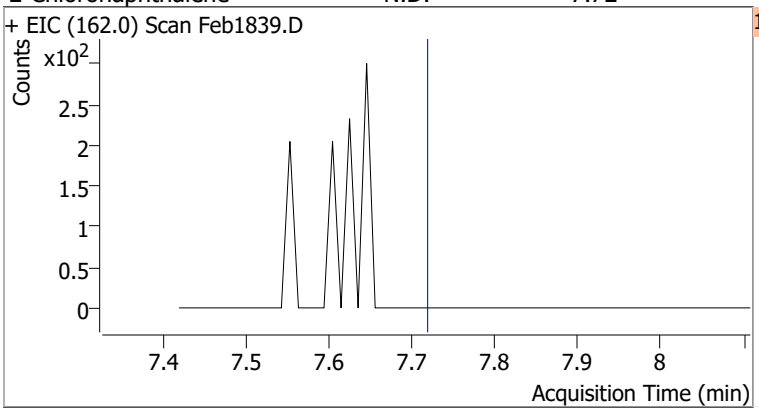
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	68.0141	7.60	0.00	1176255	171.0	34.3	24.0	44.5

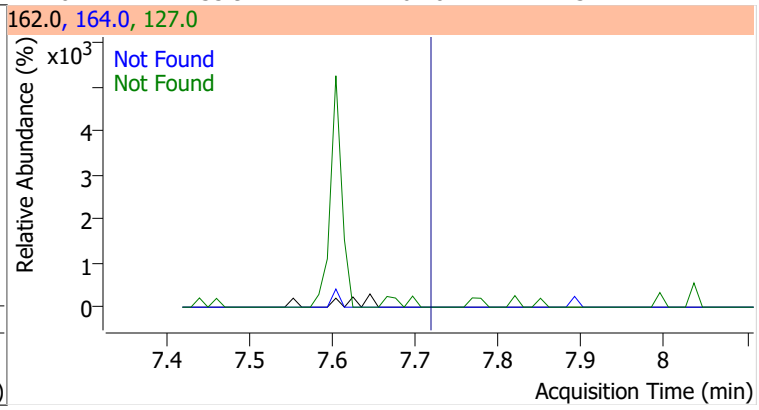




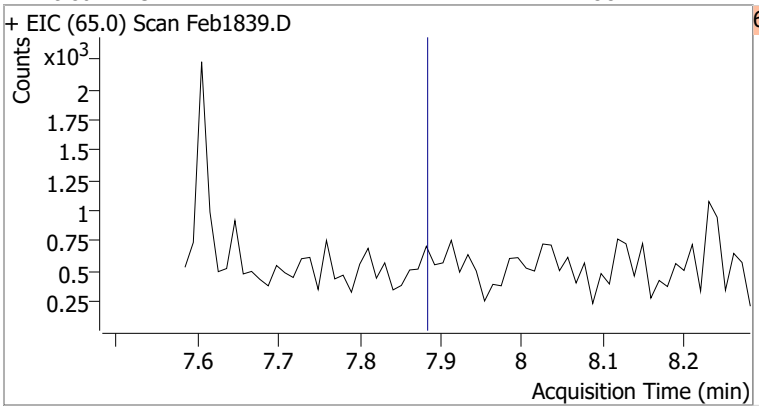


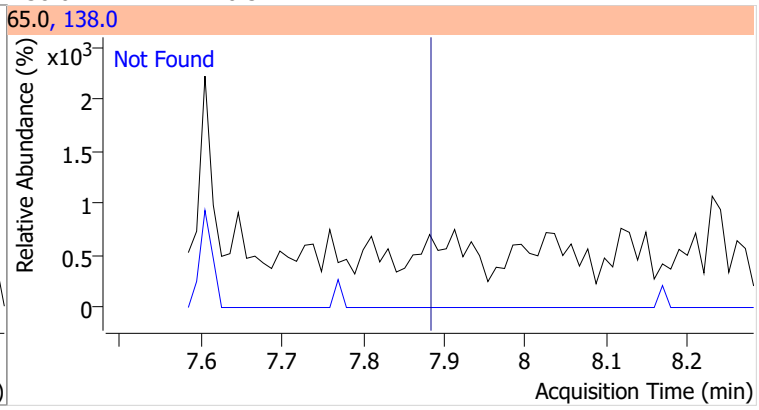
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



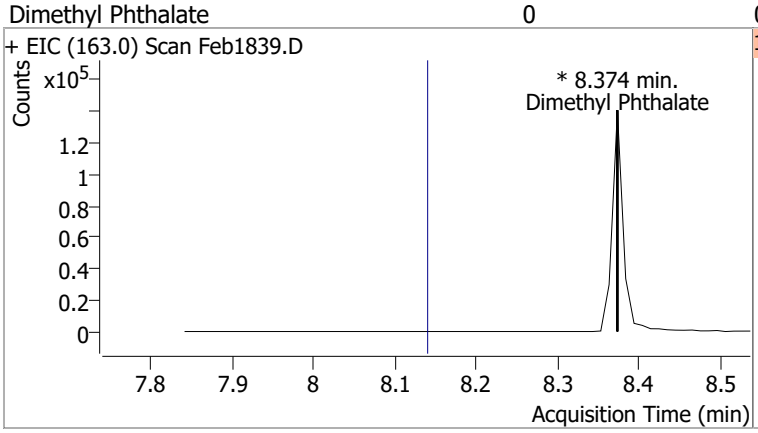


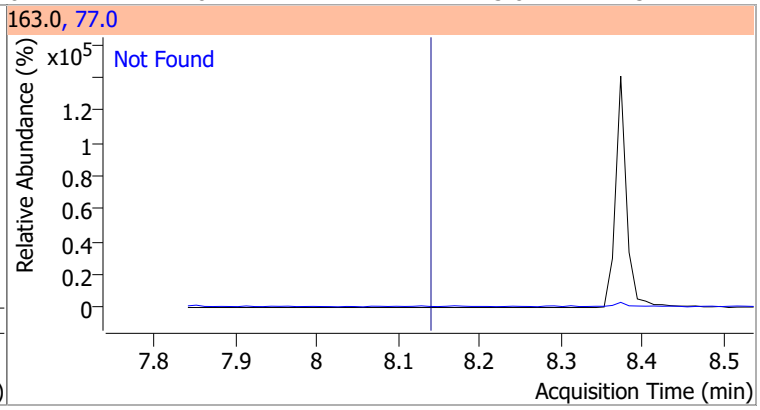
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



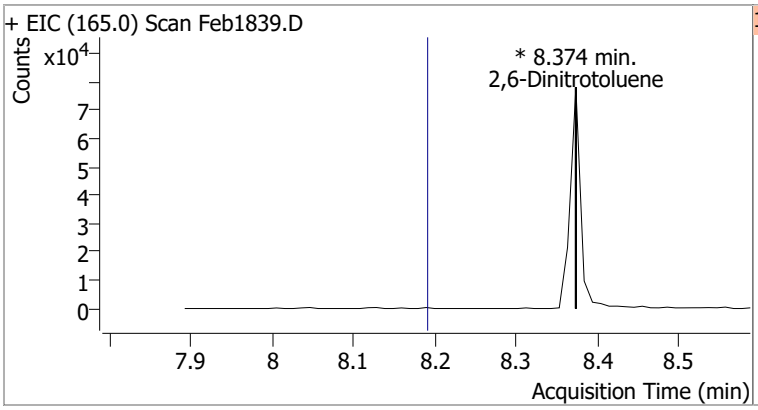


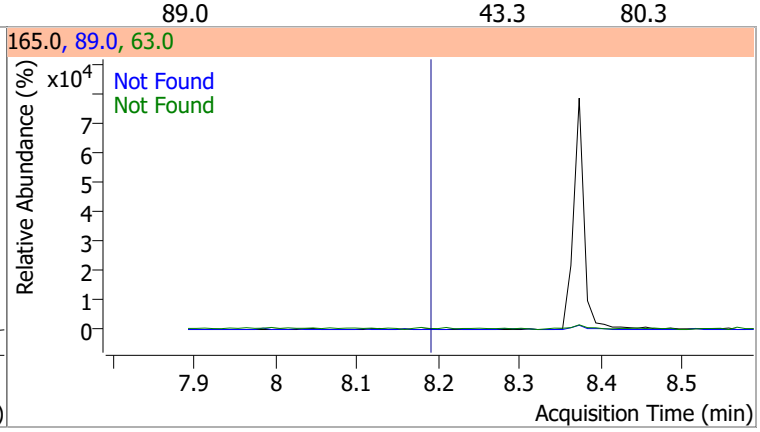
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



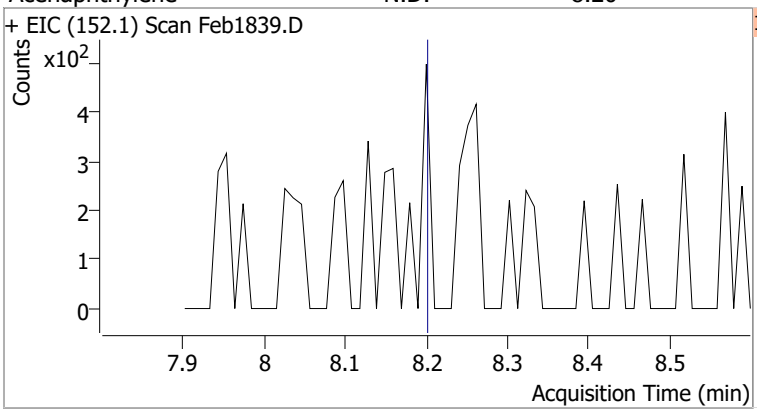


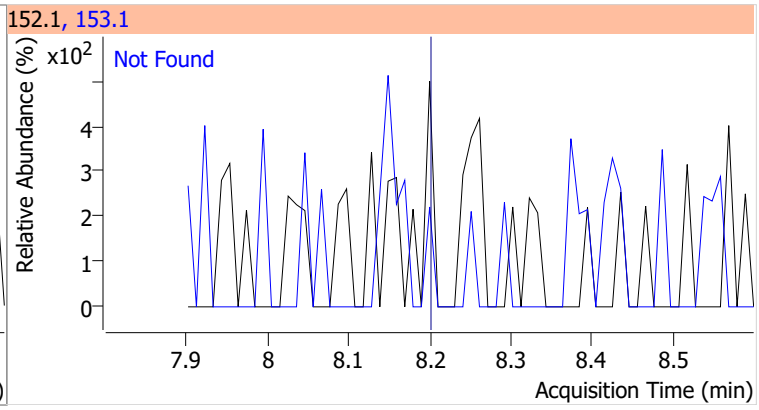
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



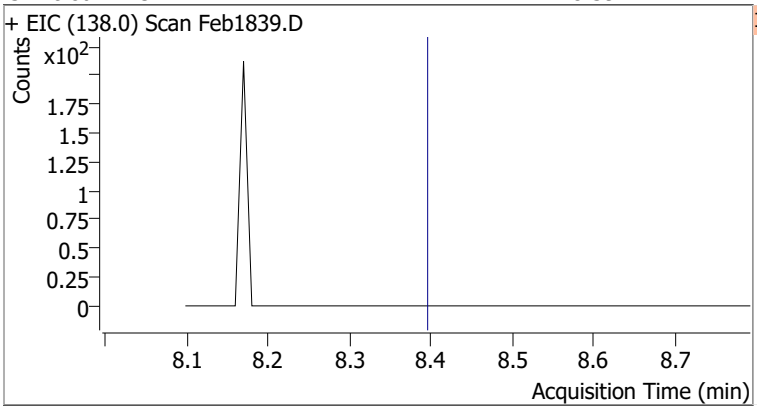


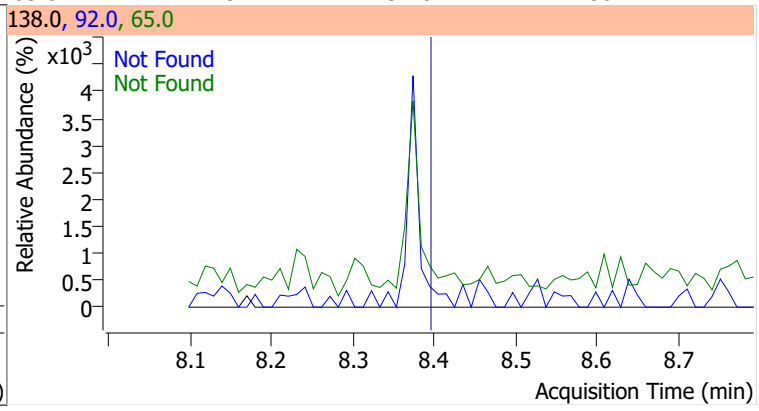
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



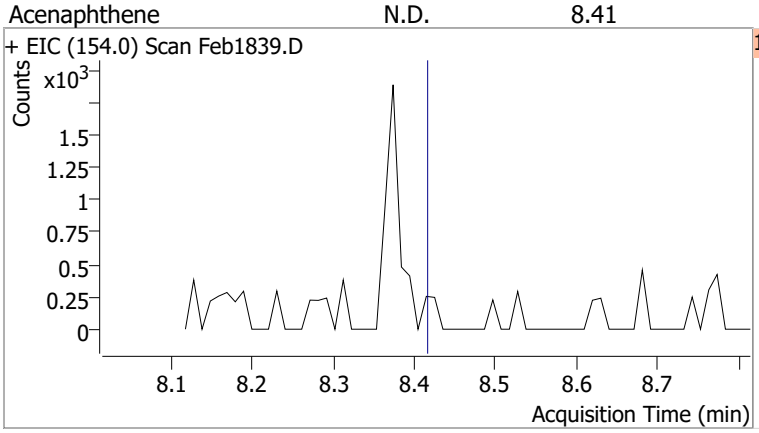


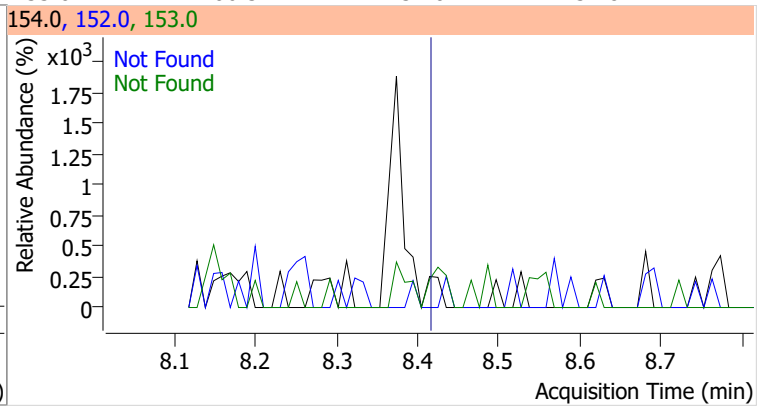
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



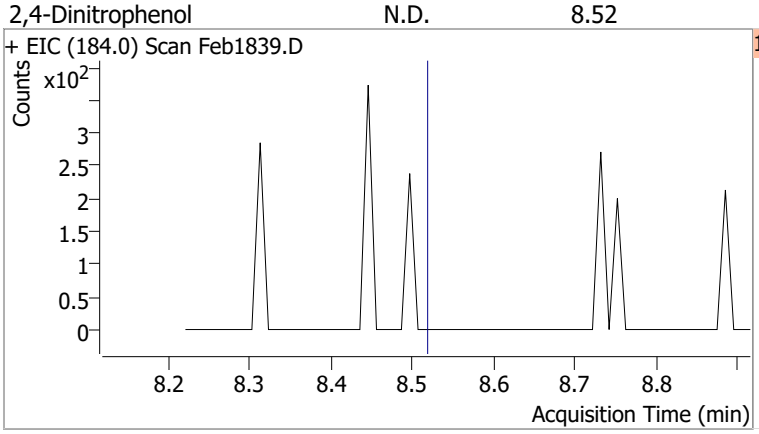


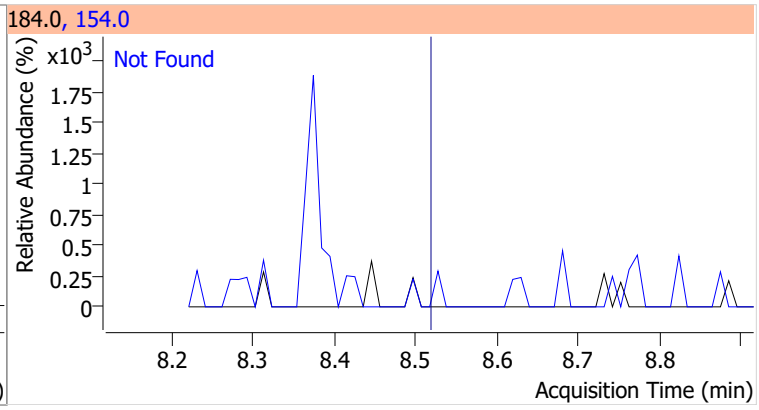
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



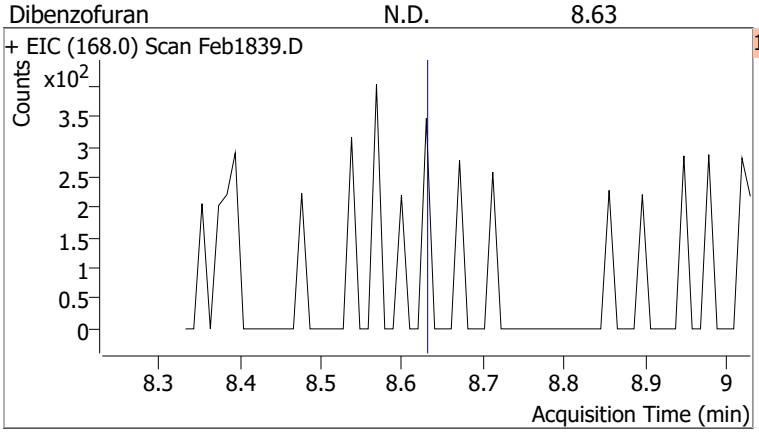


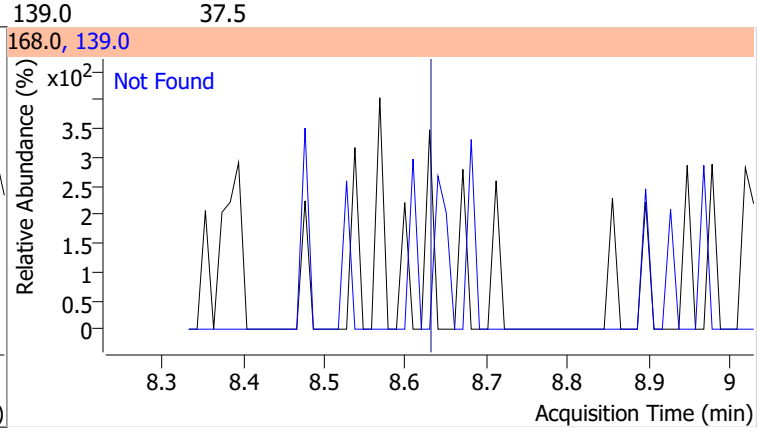
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



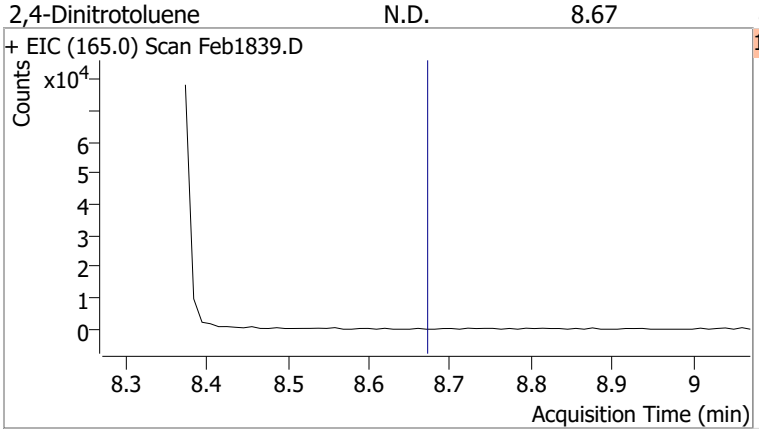


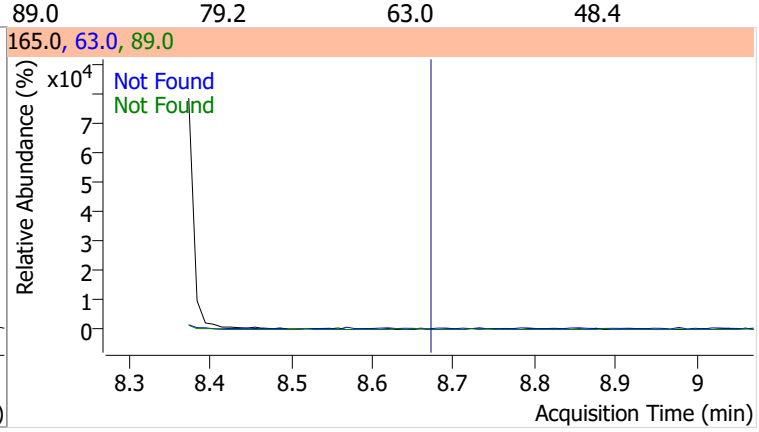
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



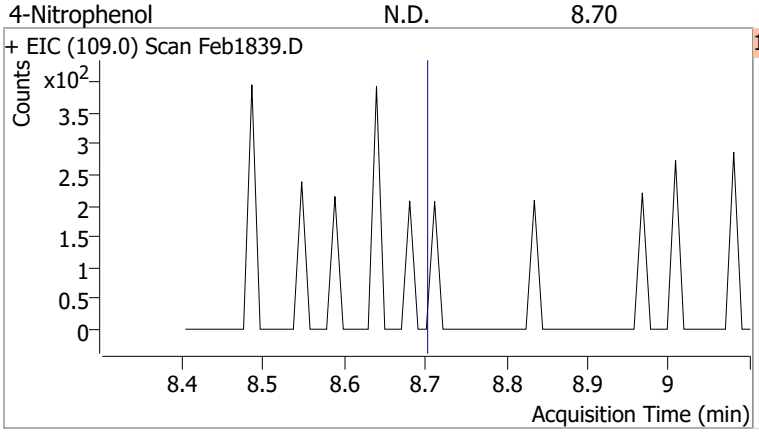


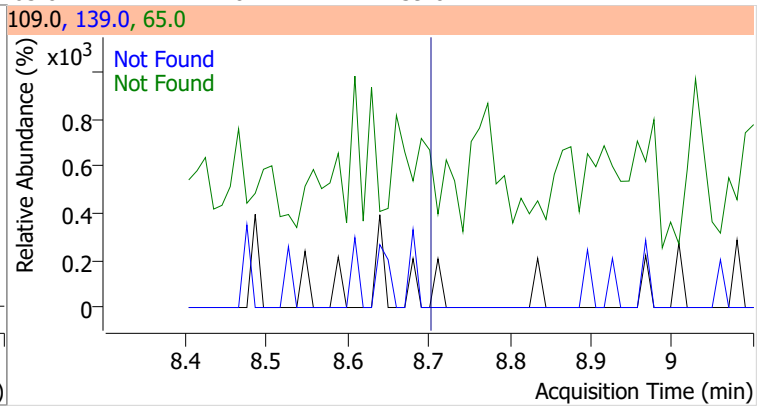
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



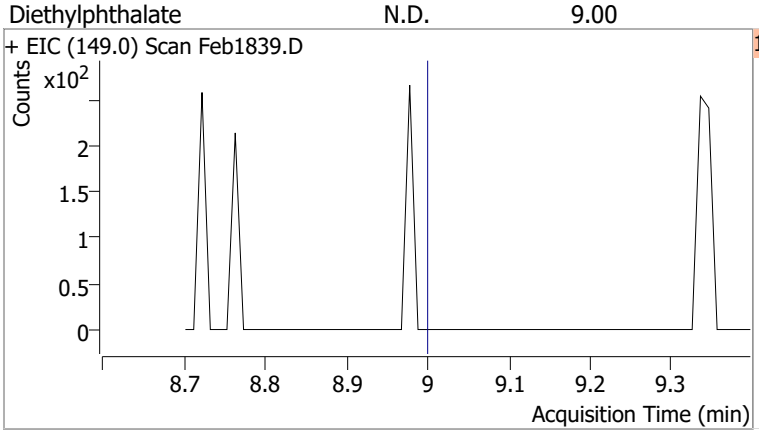


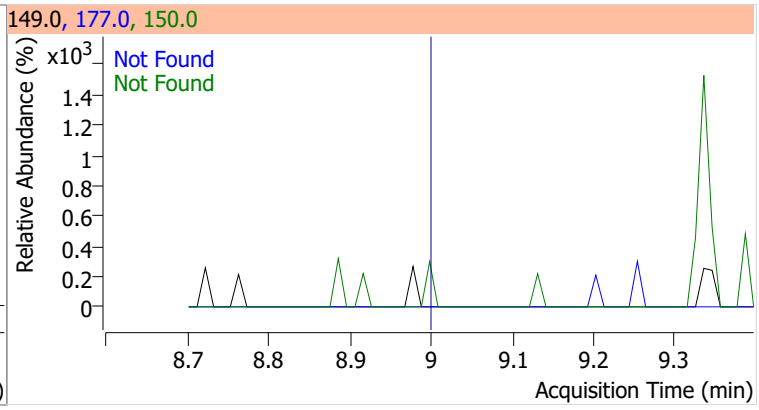
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



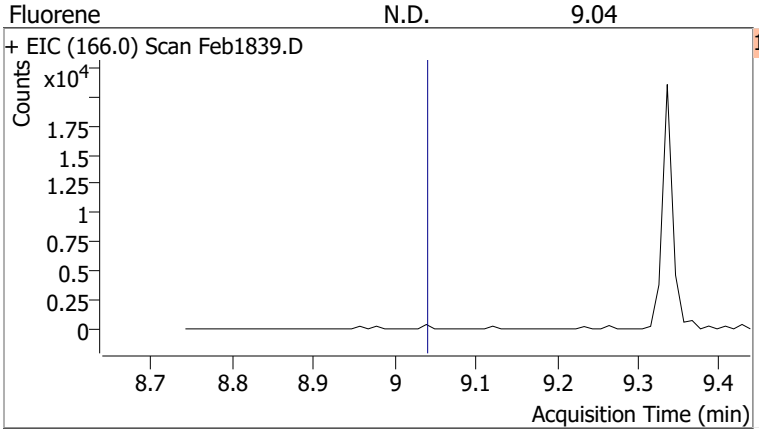


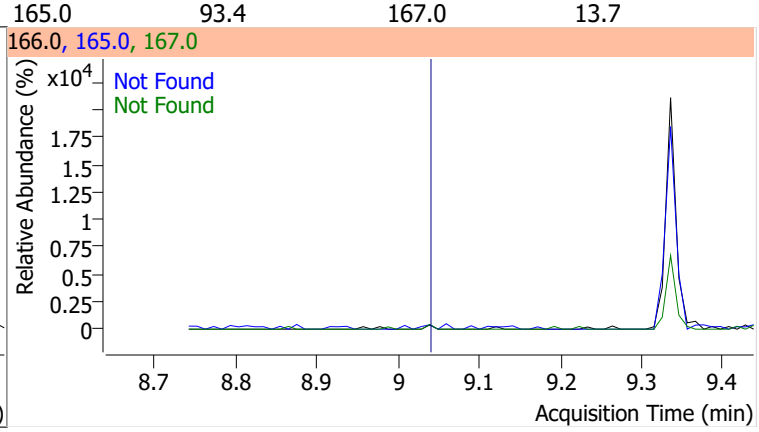
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



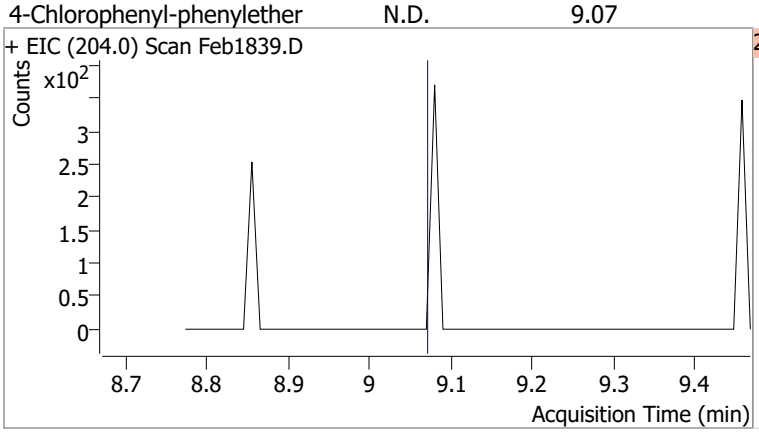


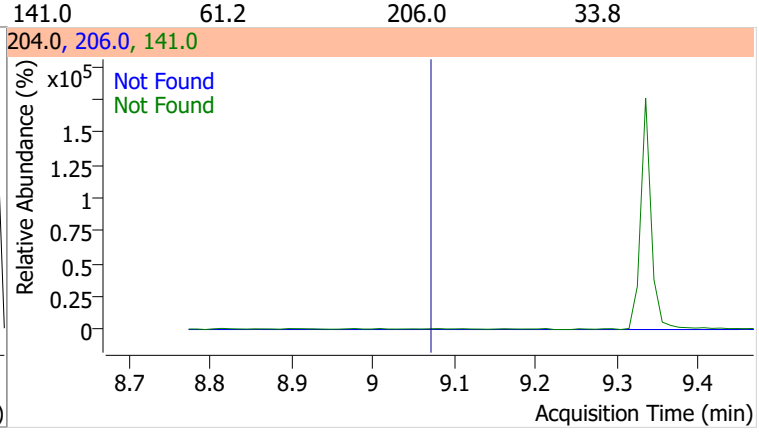
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



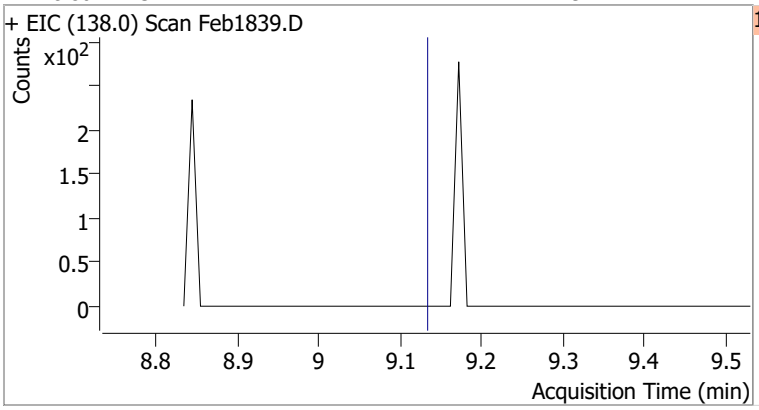


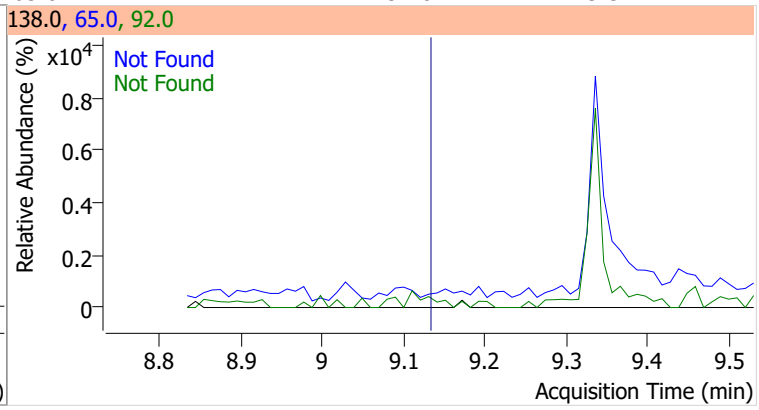
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



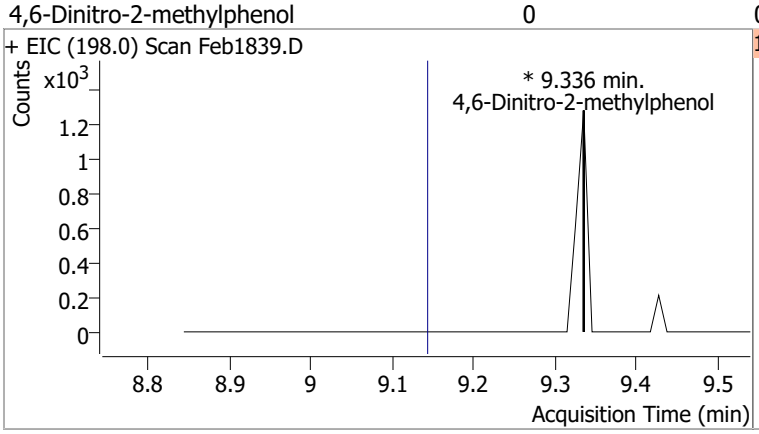


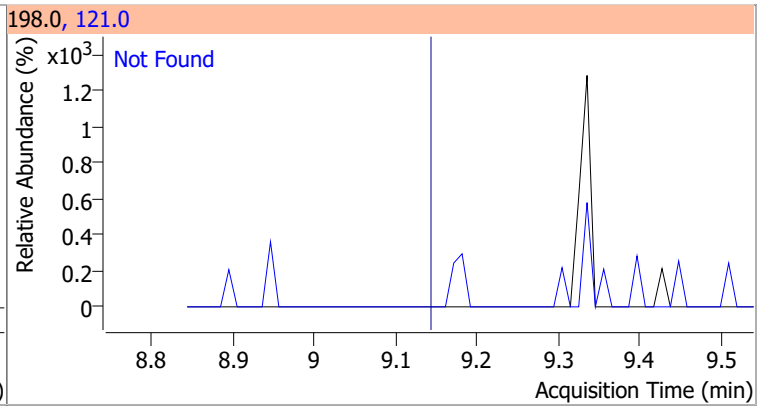
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



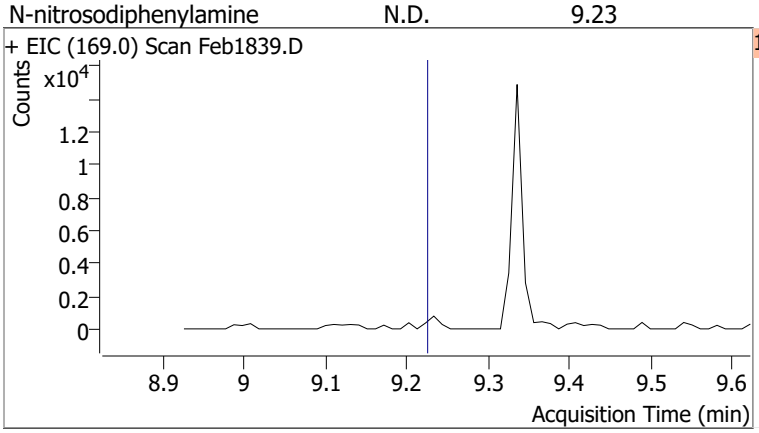


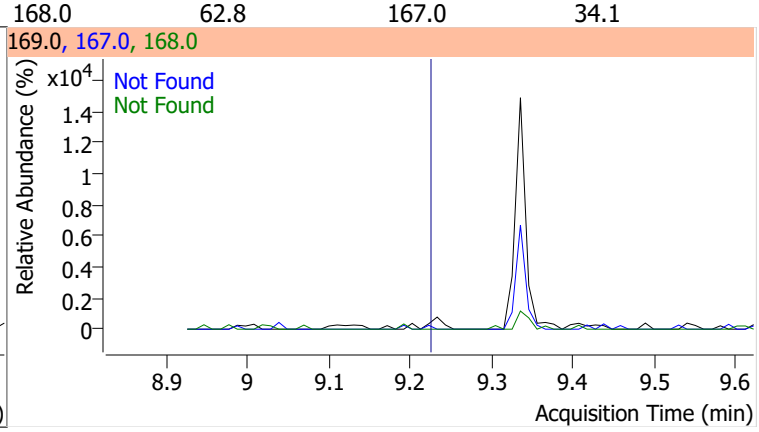
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol		0		0	121.0		35.1	65.3



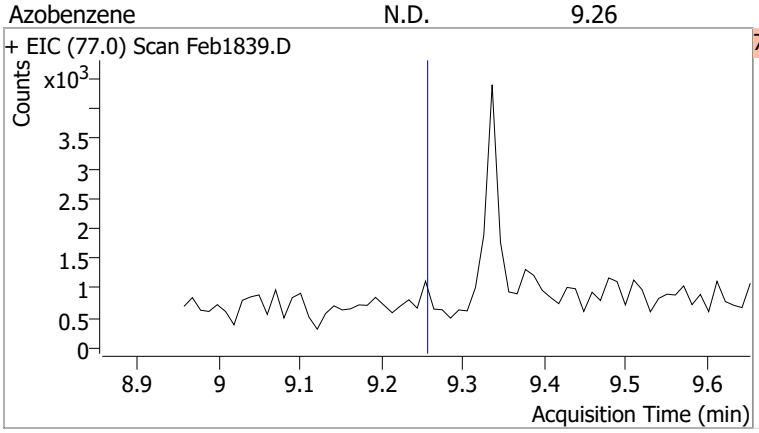


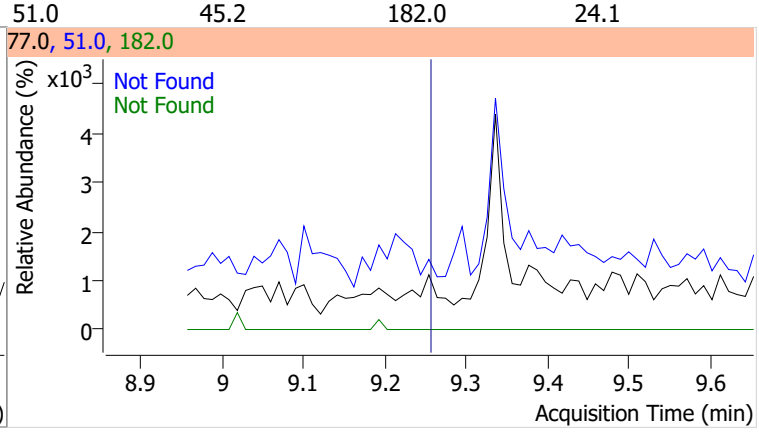
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1



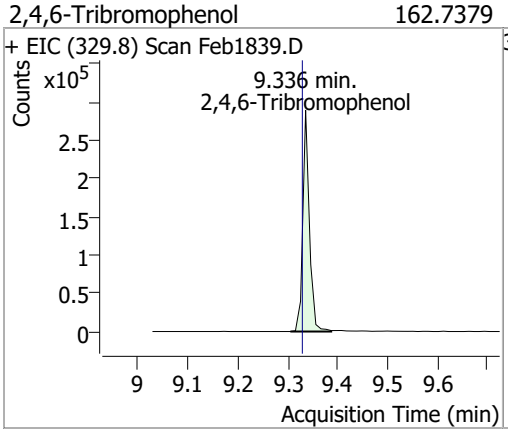


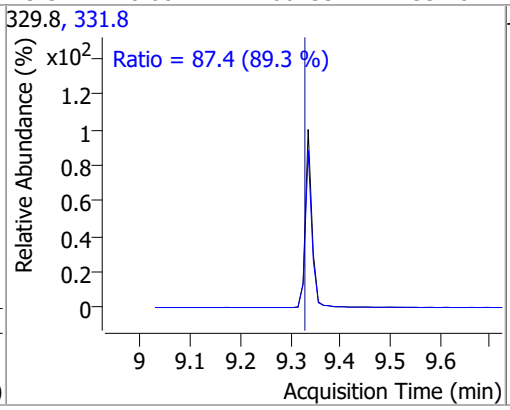
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

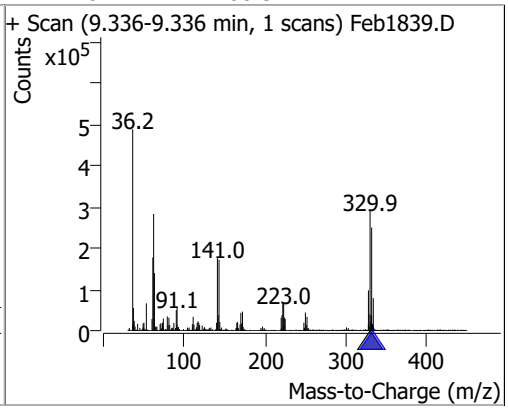




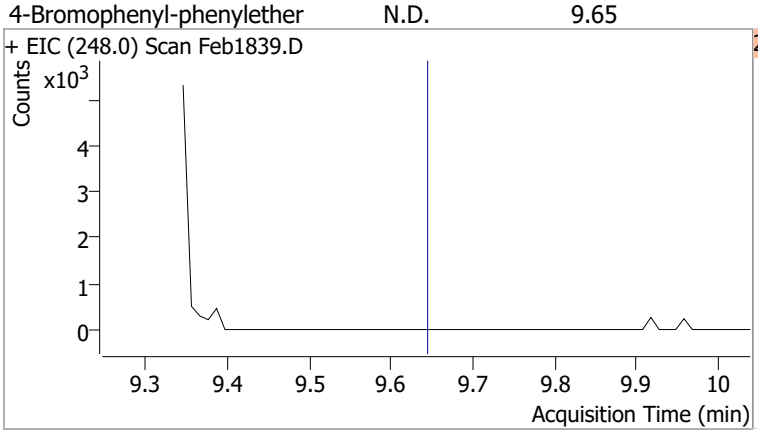
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	162.7379	9.34	0.00	266255	331.8	87.4	68.5	127.2

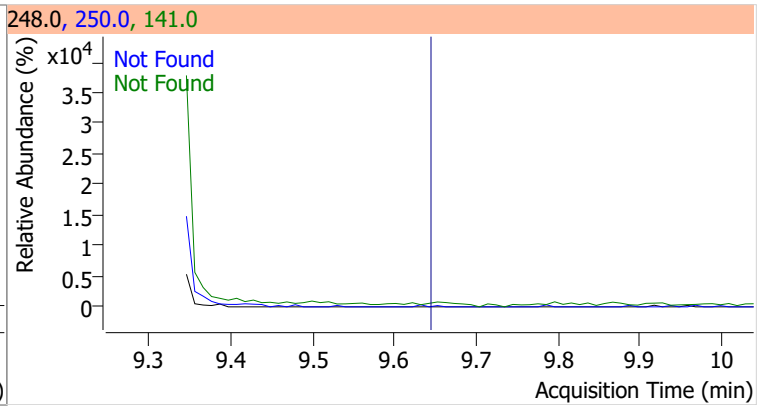




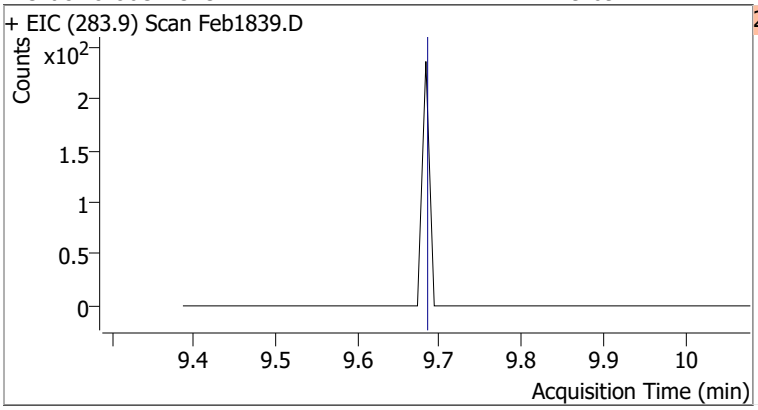


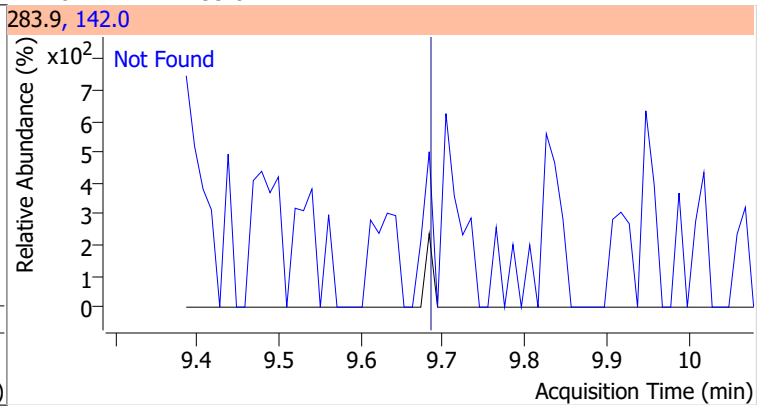
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



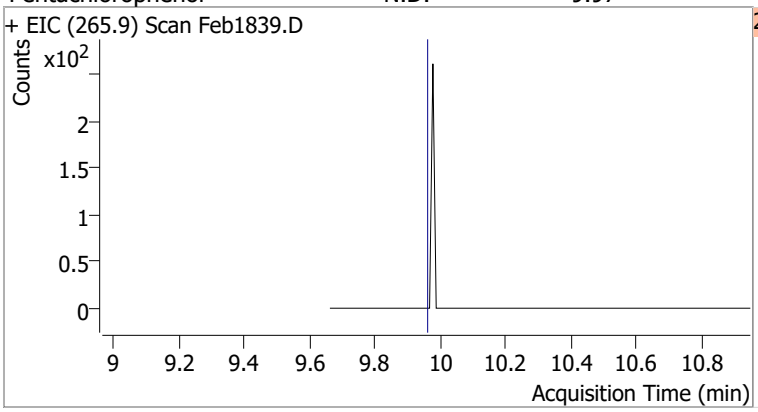


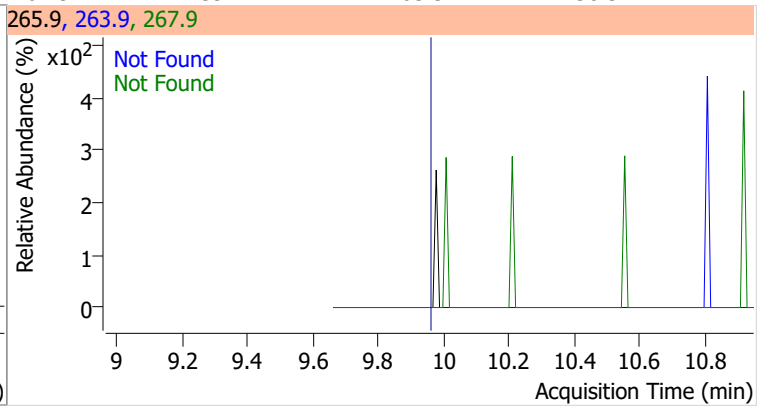
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



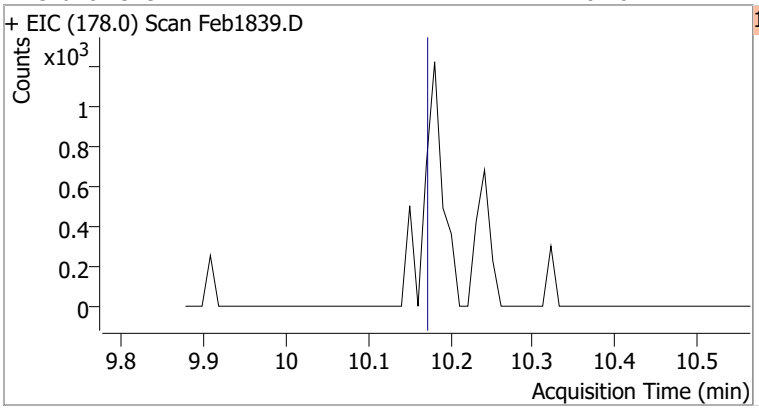


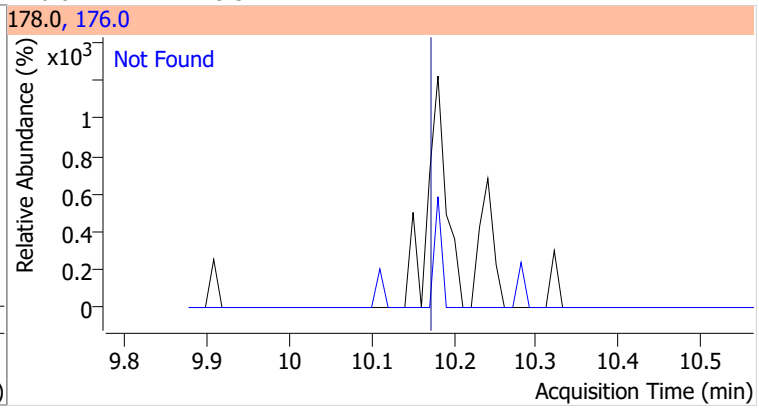
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



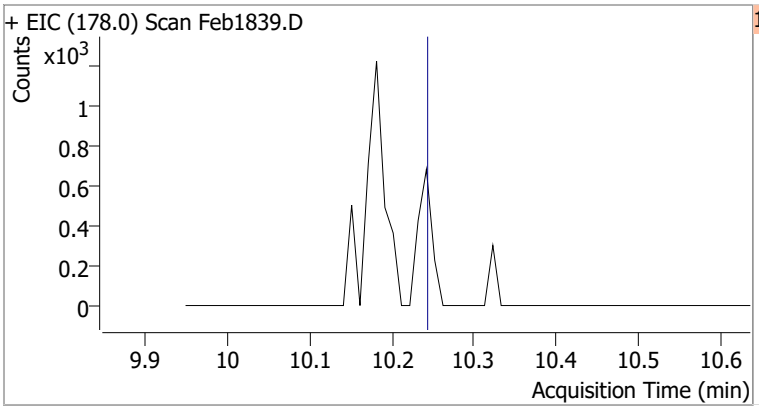


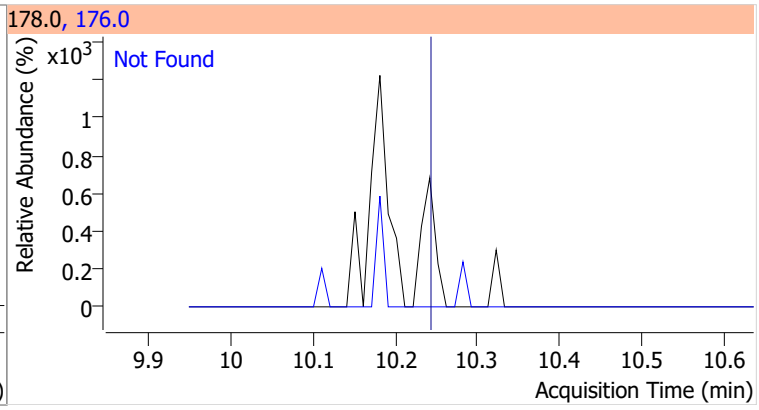
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



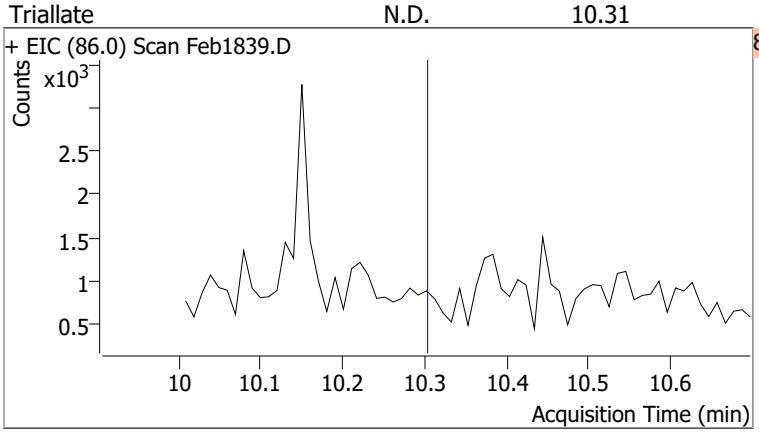


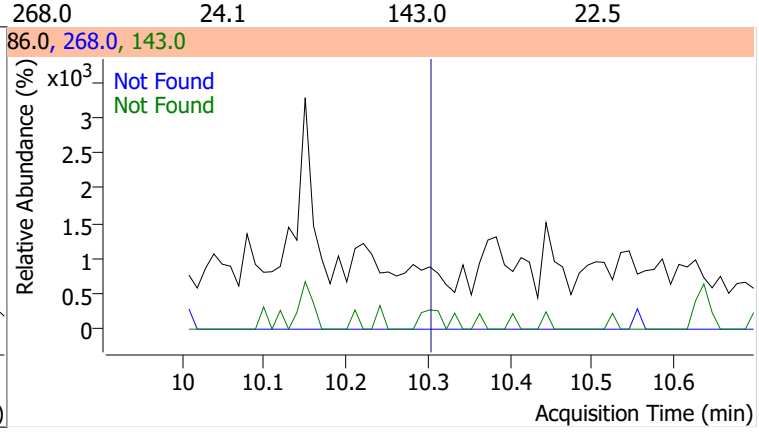
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



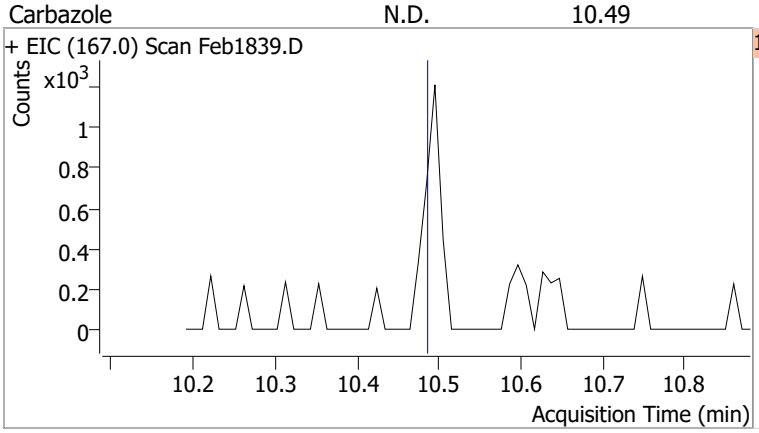


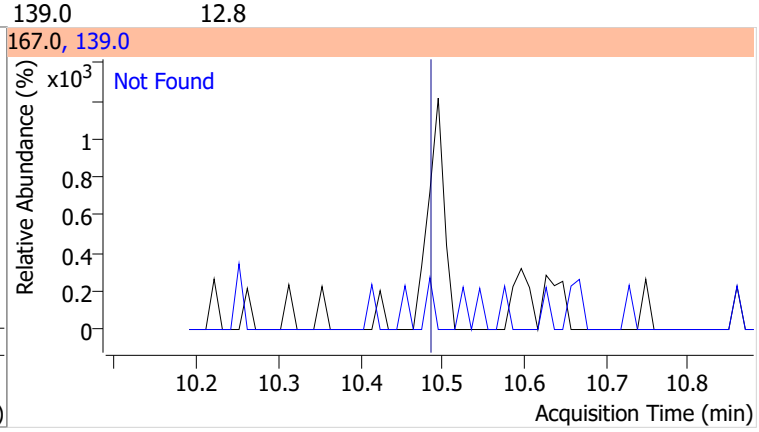
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



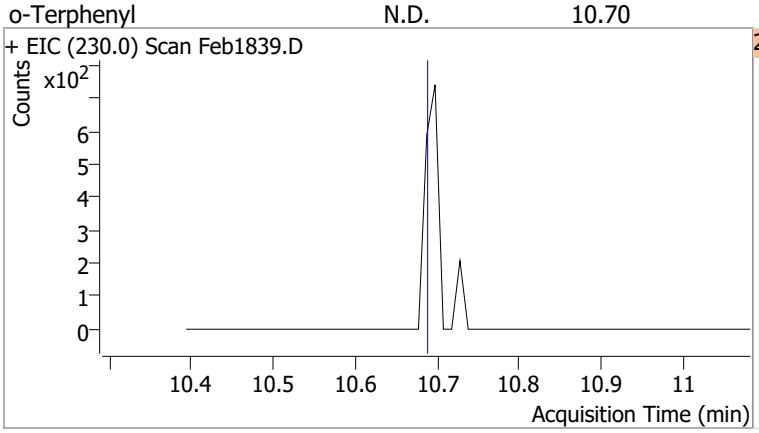


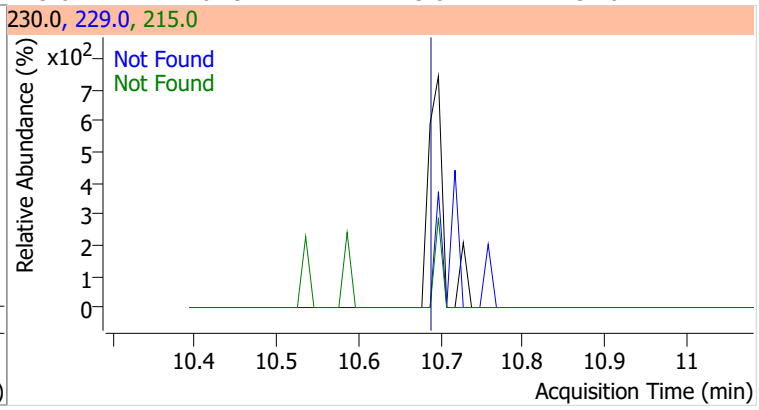
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



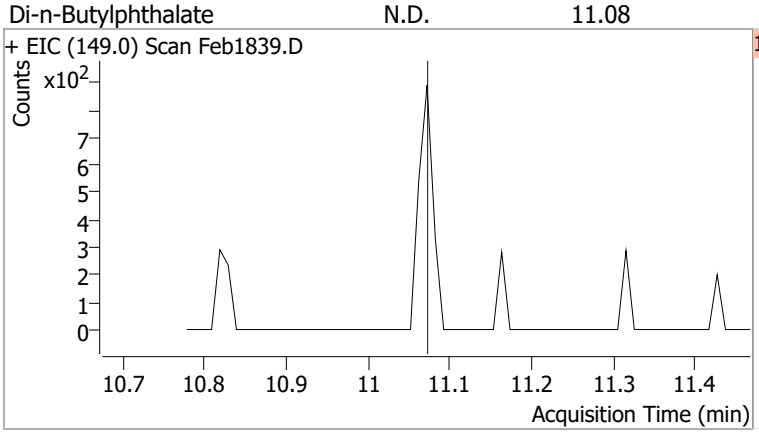


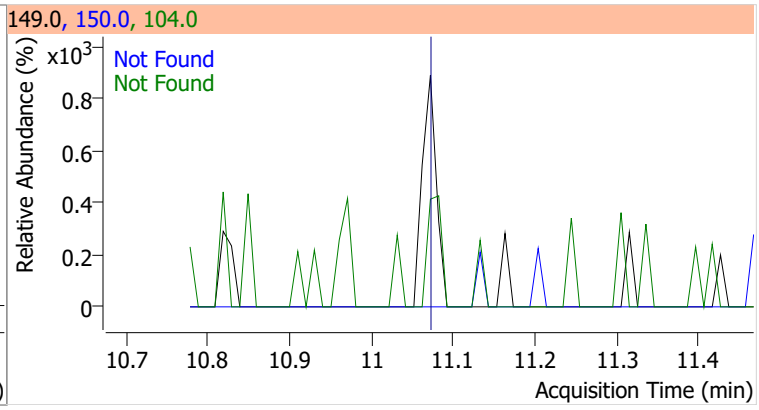
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



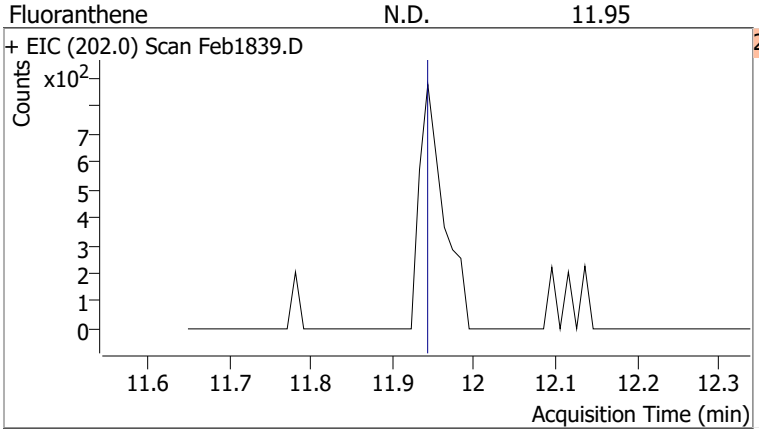


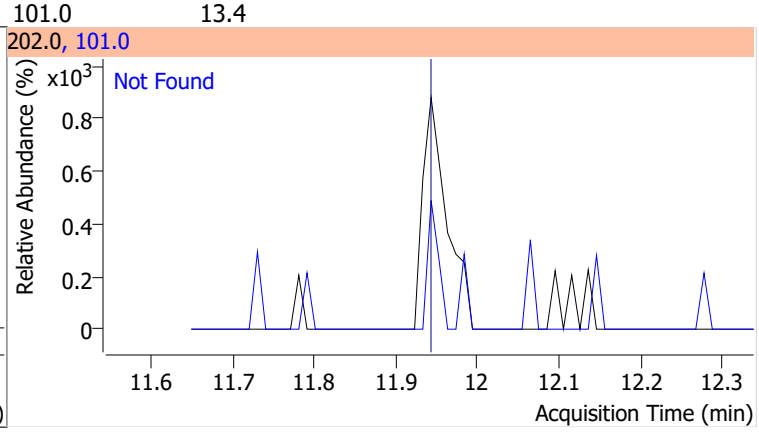
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



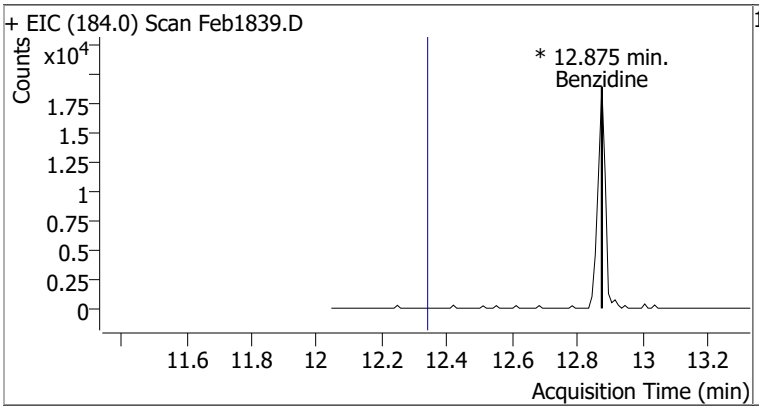


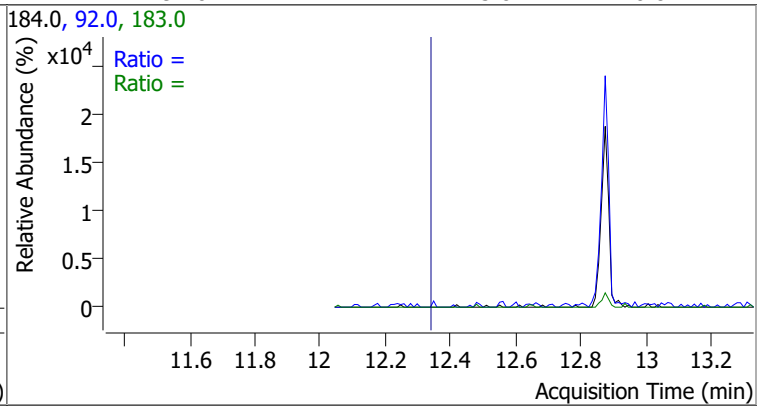
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



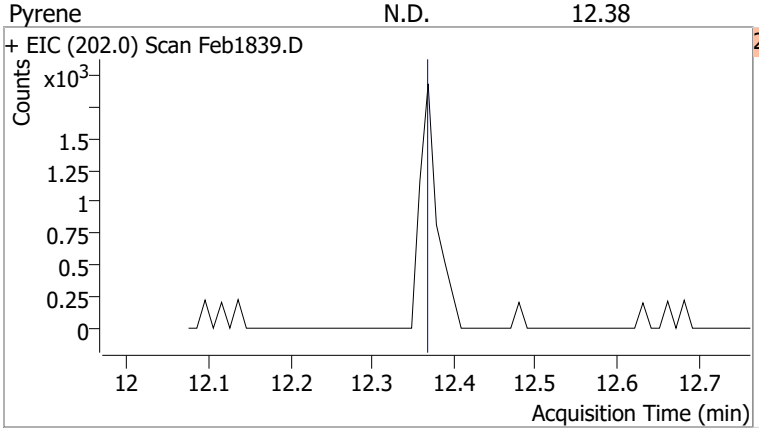


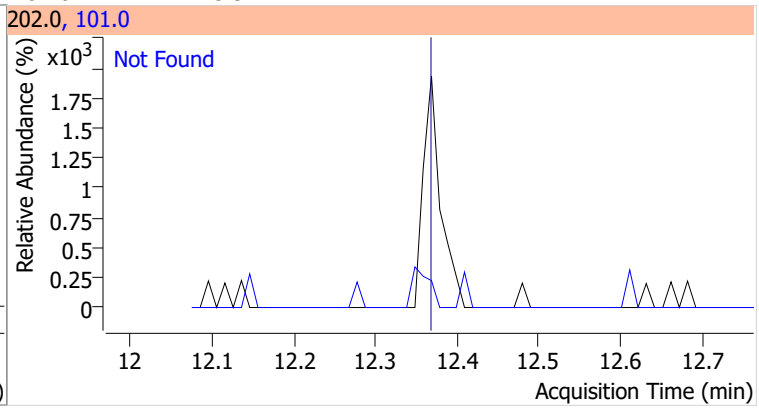
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



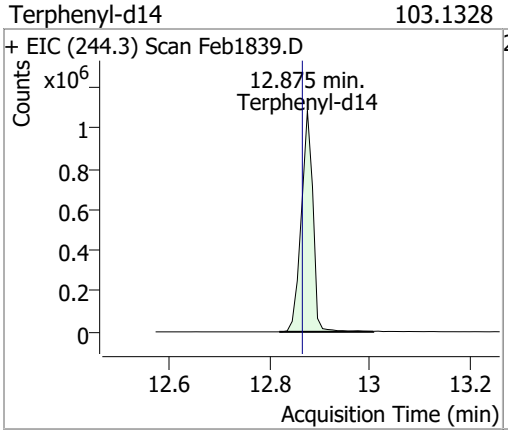


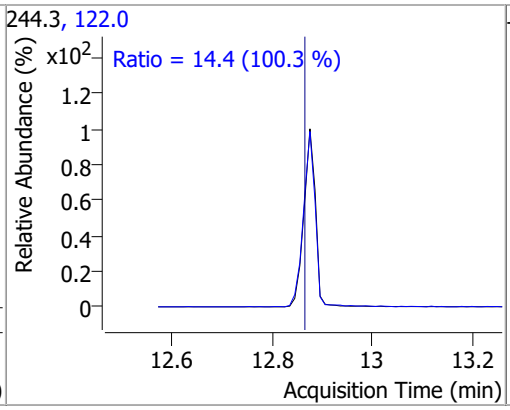
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

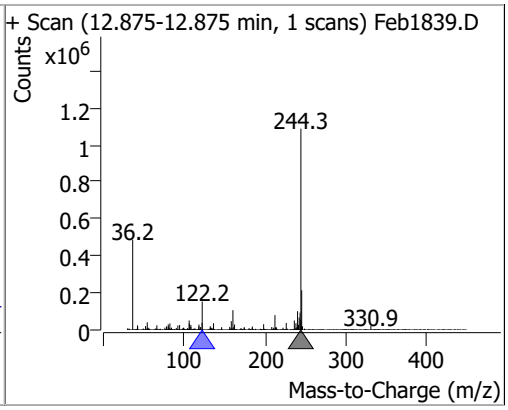




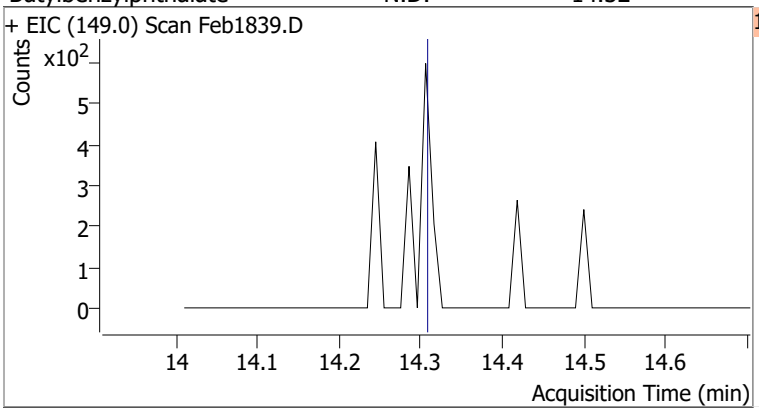
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	103.1328	12.88	0.00	1762794	122.0	14.4	10.1	18.7

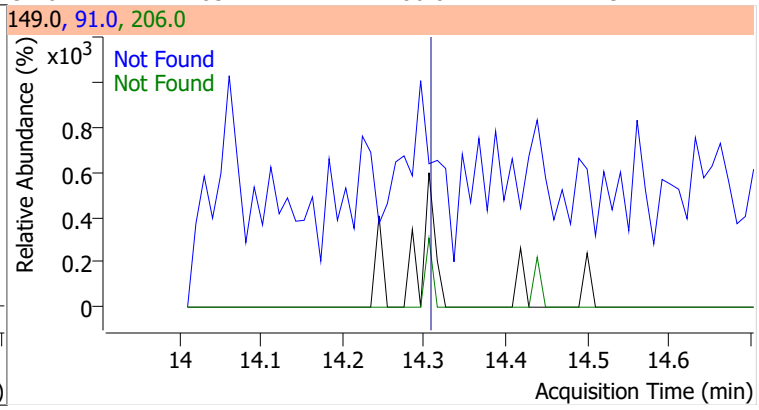




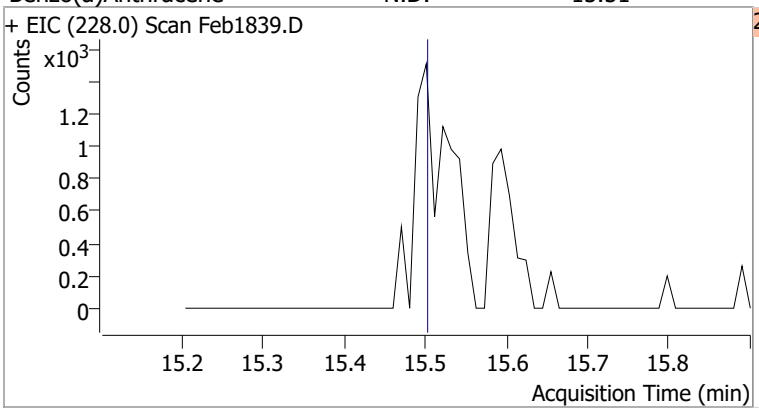


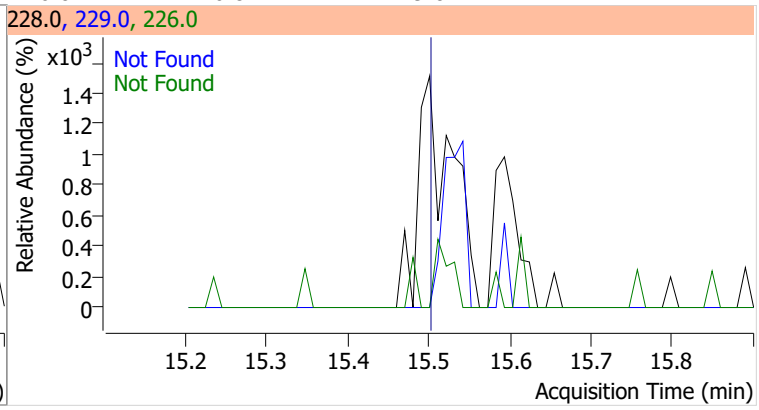
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



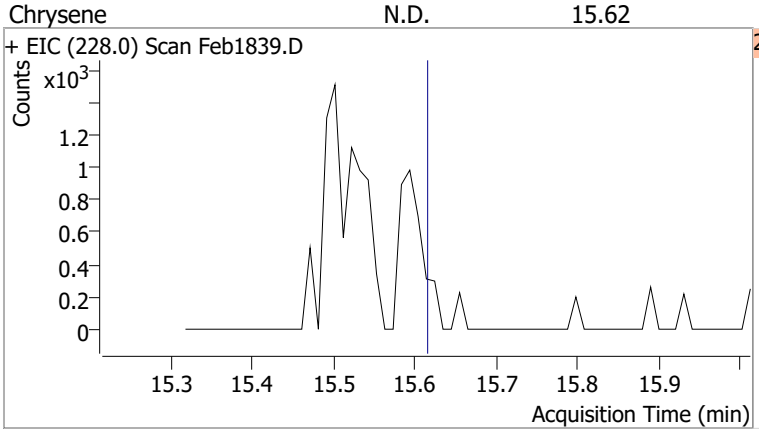


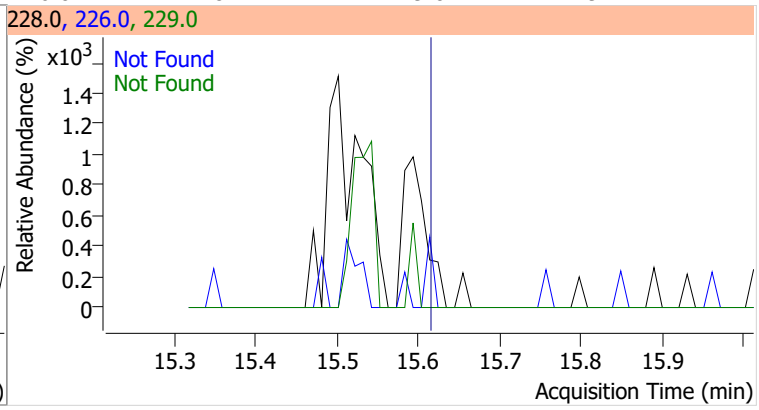
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



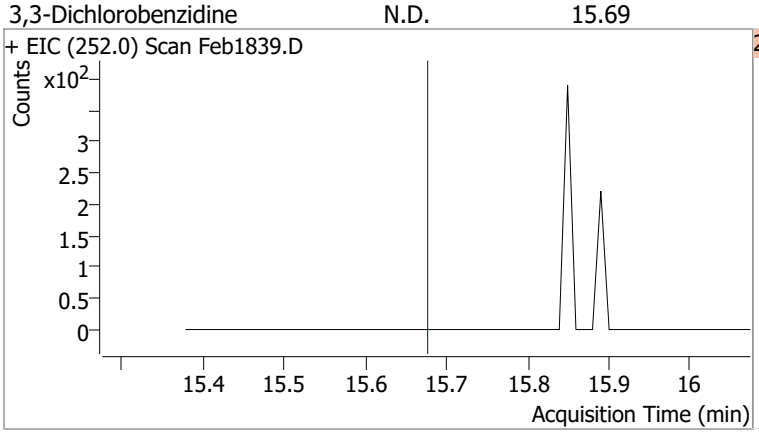


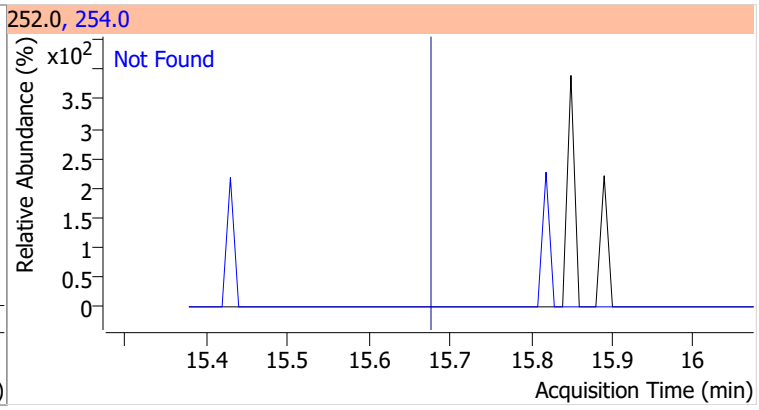
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



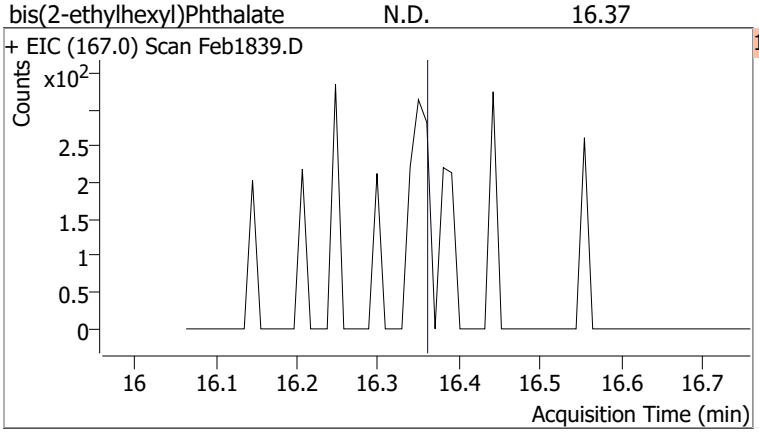


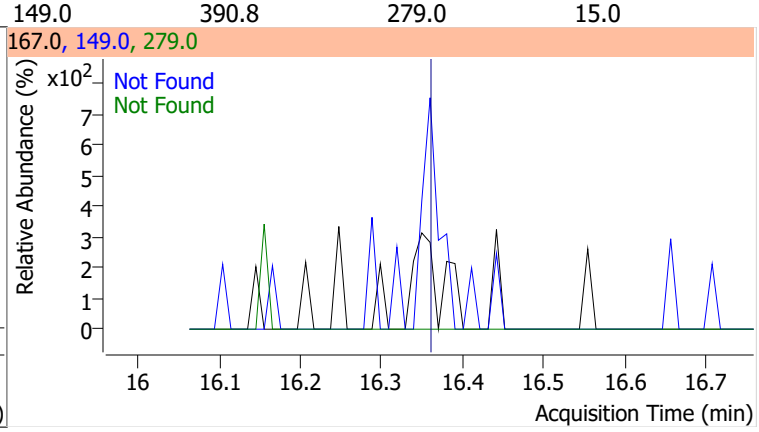
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



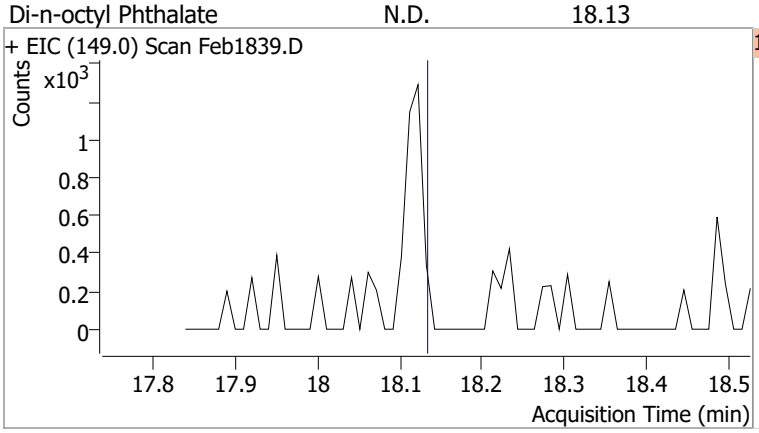


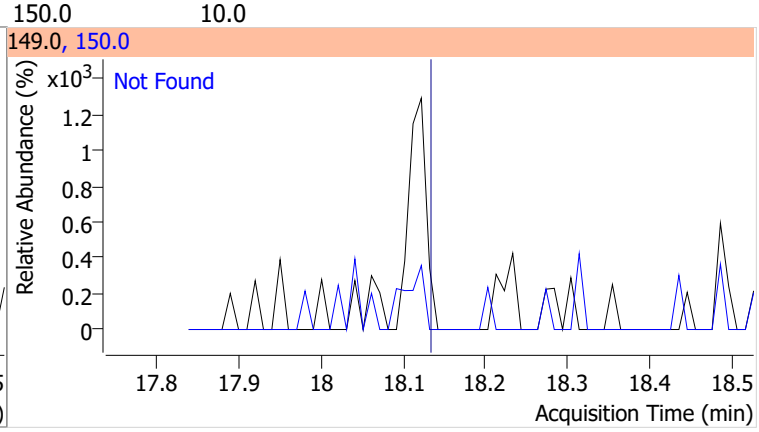
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



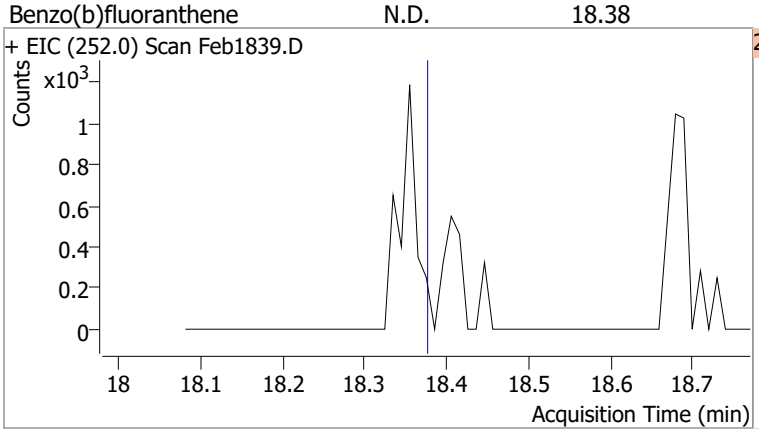


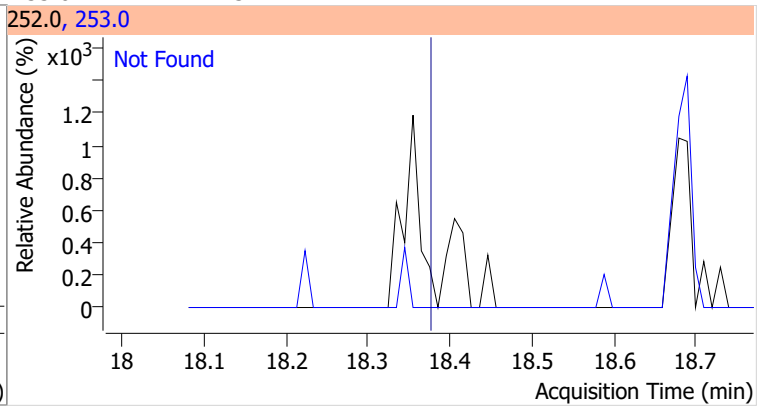
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



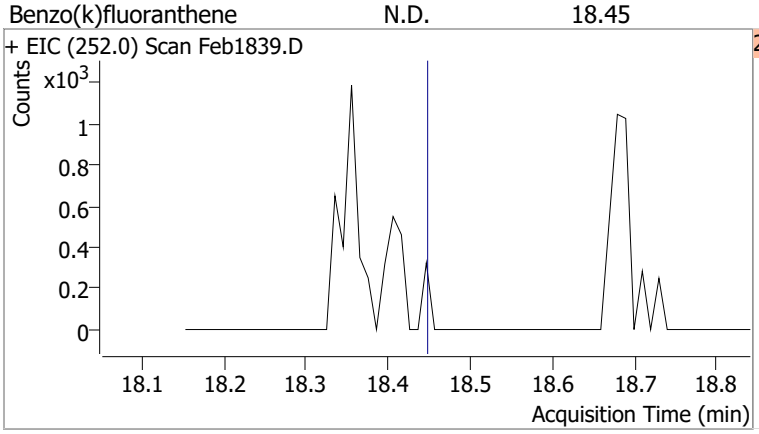


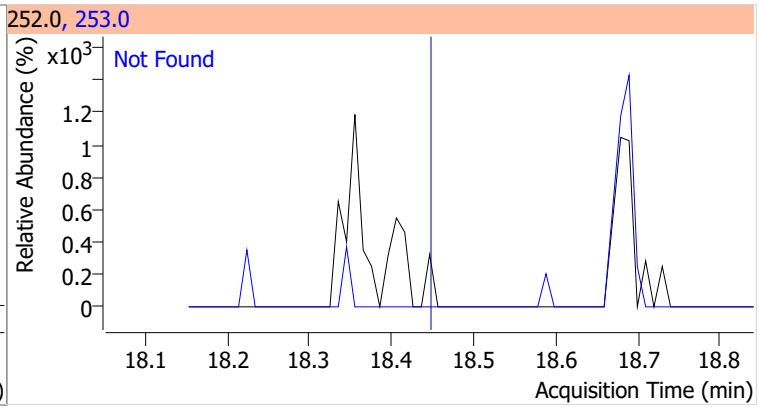
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



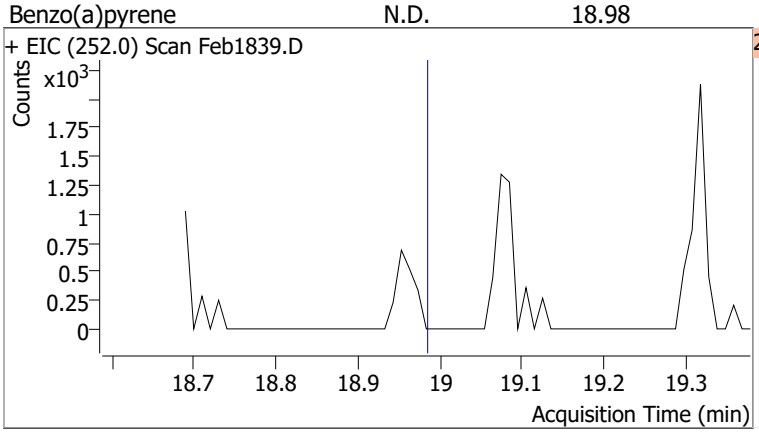


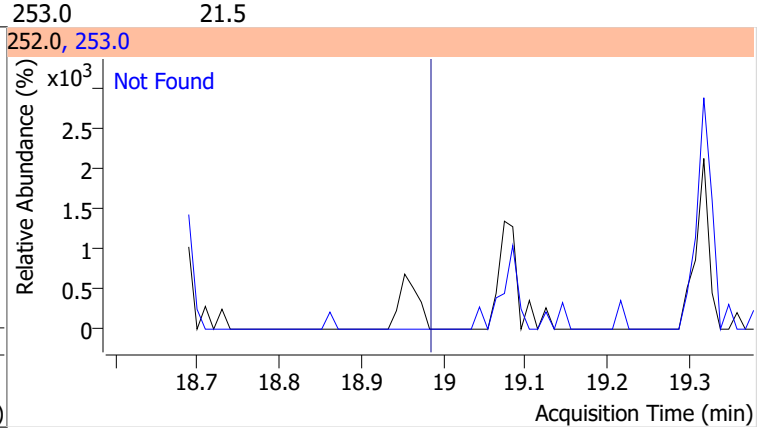
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



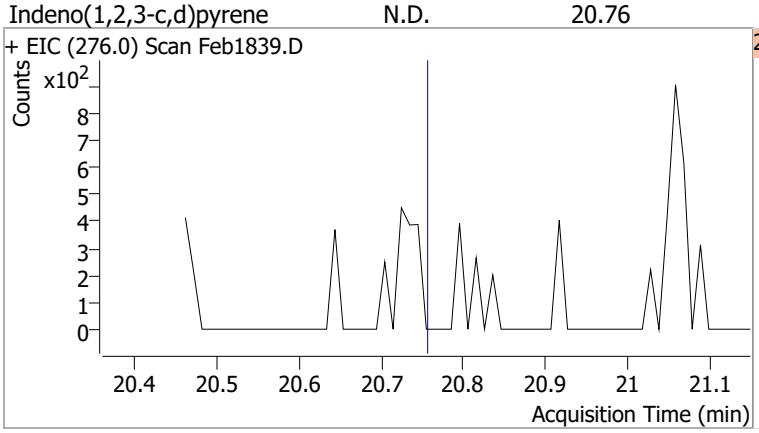


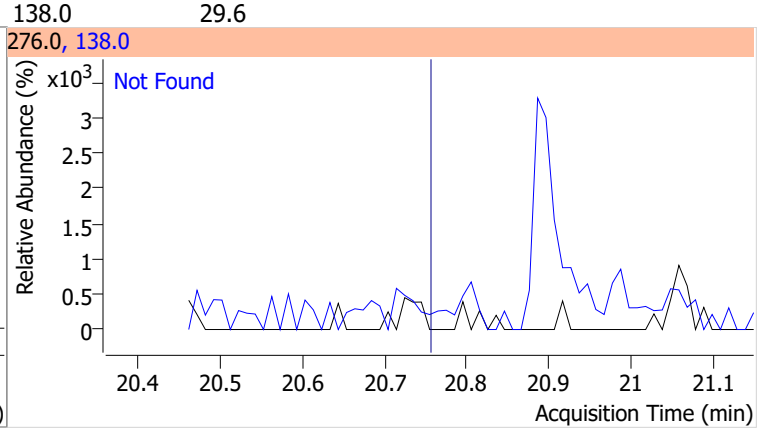
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



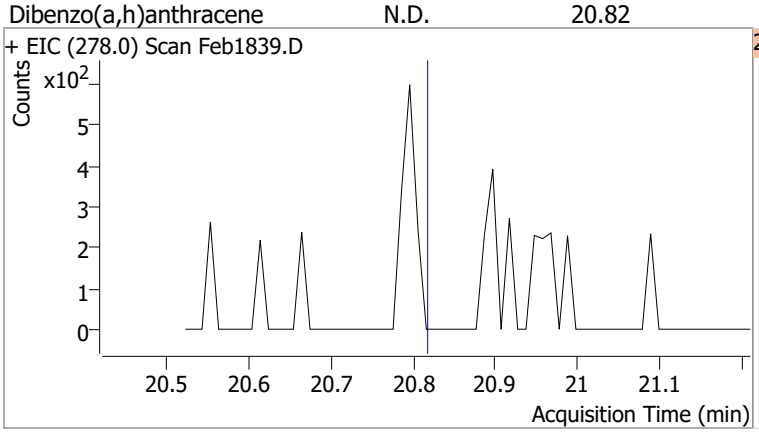


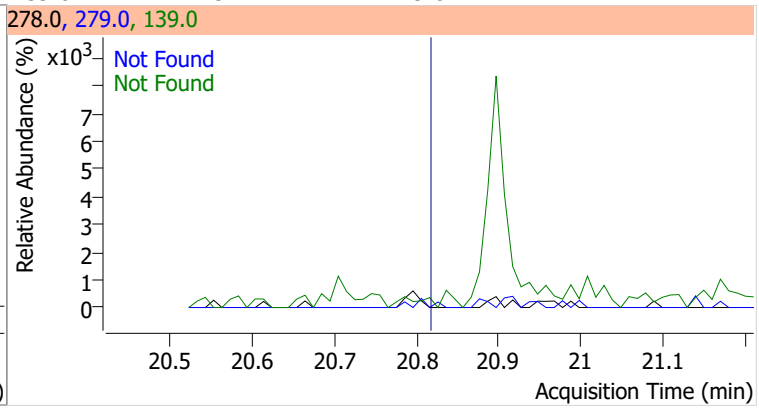
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



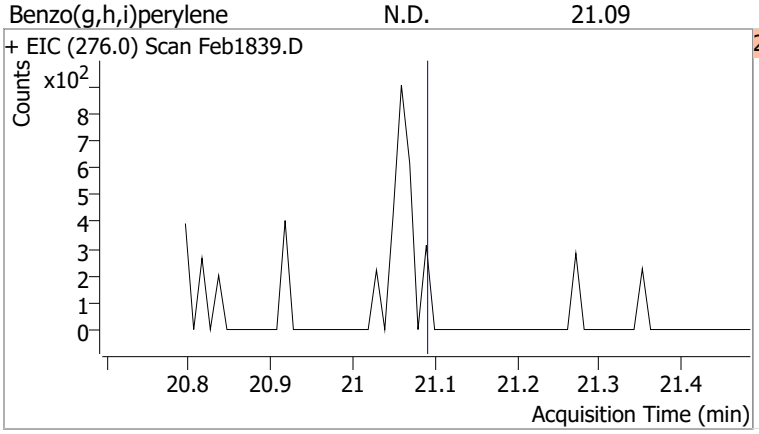


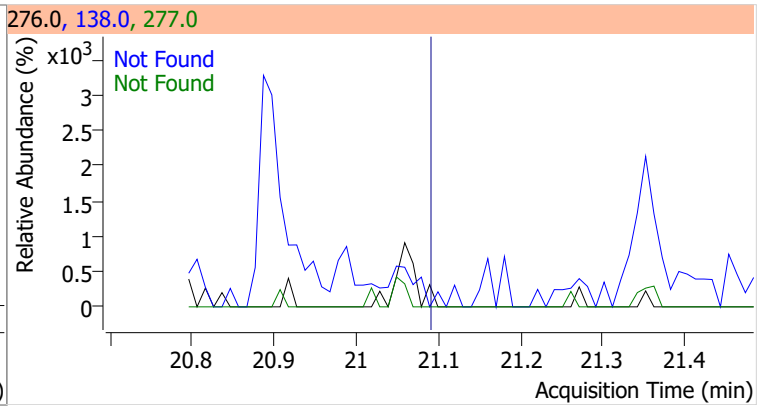
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





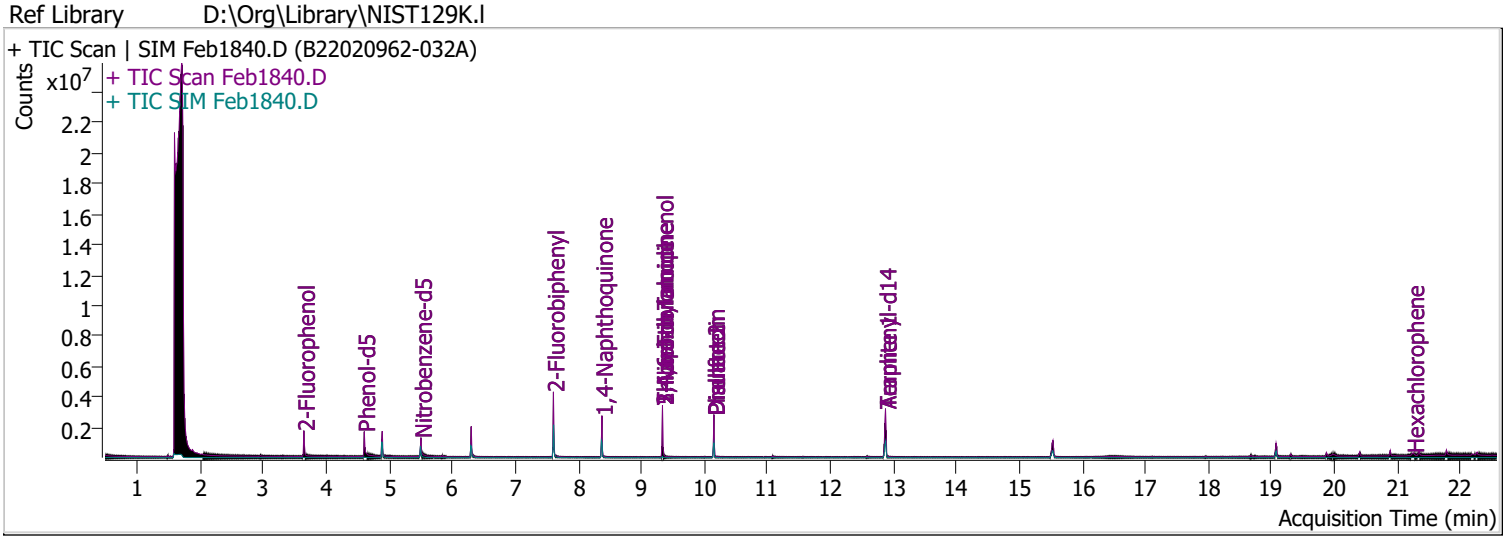
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1840.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/20/2022 4:49:08 AM
Sample Name	B22020962-032A	Instrument	Instrument #1
Vial	40	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



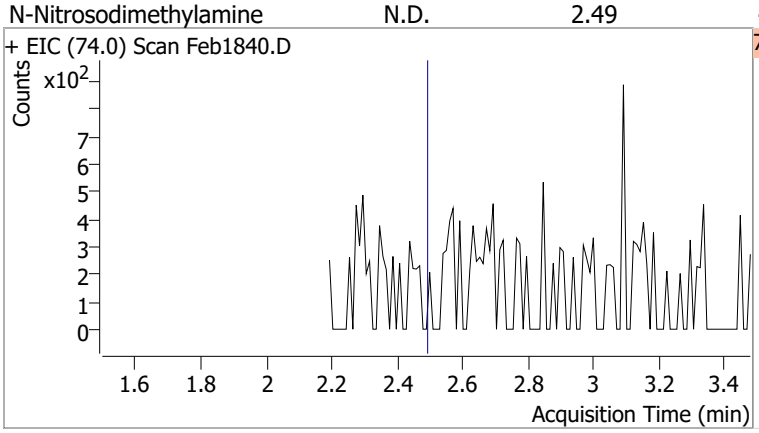
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.643	112.0	501227	64.7419	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 32.37%			
S Phenol-d5	4.603	99.0	627505	62.4849	µg/L		-0.010
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 31.24%			
S Nitrobenzene-d5	5.502	82.0	379415	68.0851	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 68.09%			
S 2-Fluorobiphenyl	7.605	172.0	1271175	73.2337	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 73.23%			
S 2,4,6-Tribromophenol	9.336	329.8	257411	162.5280	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 81.26%			
S Terphenyl-d14	12.875	244.3	1763249	106.5211	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 106.52%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	0.000		0	N.D.			
T Pyridine	0.000		0	N.D.			
T Aniline	0.000		0	N.D.			
T Phenol	0.000		0	N.D.			
T bis(-2-Chloroethyl)Ether	0.000		0	N.D.			
T 2-Chlorophenol	0.000		0	N.D.			
T 1,3-Dichlorobenzene	0.000		0	N.D.			
T 1,4-Dichlorobenzene	0.000		0	N.D.			
T 1,2-Dichlorobenzene	0.000		0	N.D.			
T Benzyl Alcohol	0.000		0	N.D.			
T bis(2-chloroisopropyl)Ether	0.000		0	N.D.			
T 2-Methylphenol	0.000		0	N.D.			
T N-nitroso-Di-n-propylamine	5.502	70.0	0		µg/L	md	1
T 4Methylphenol/3Methylphenol	0.000		0	N.D.			
T Hexachloroethane	0.000		0	N.D.			

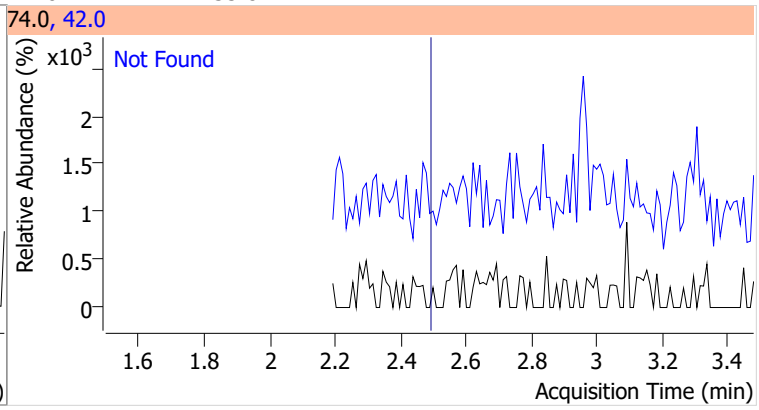
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	0.000		0	N.D.			
T Isophorone	0.000		0	N.D.			
T 2-Nitrophenol	0.000		0	N.D.			
T 2,4-Dimethylphenol	0.000		0	N.D.			
T bis(-2-Chloroethoxy)Methane	0.000		0	N.D.			
T 2,4-Dichlorophenol	0.000		0	N.D.			
T Benzoic Acid	0.000		0	N.D.			
T 1,2,4-Trichlorobenzene	0.000		0	N.D.			
T Naphthalene	0.000		0	N.D.			
T 4-Chlorophenol	0.000		0	N.D.			
T p-Chloroaniline	0.000		0	N.D.			
T Hexachlorobutadiene	0.000		0	N.D.			
T 4-Chloro-2-Methylphenol	0.000		0	N.D.			
T 4-Chloro-3-Methylphenol	0.000		0	N.D.			
T 2-Methylnaphthalene	0.000		0	N.D.			
T 1-Methylnaphthalene	0.000		0	N.D.			
T Hexachlorocyclopentadiene	0.000		0	N.D.			
T 2,4,6-Trichlorophenol	0.000		0	N.D.			
T 2,4,5-Trichlorophenol	0.000		0	N.D.			
T 2-Chloronaphthalene	0.000		0	N.D.			
T 2-Nitroaniline	0.000		0	N.D.			
T Dimethyl Phthalate	8.374	163.0	0		µg/L	md	1
T 2,6-Dinitrotoluene	8.374	165.0	0		µg/L	md	1
T Acenaphthylene	0.000		0	N.D.			
T 3-Nitroaniline	0.000		0	N.D.			
T Acenaphthene	0.000		0	N.D.			
T 2,4-Dinitrophenol	0.000		0	N.D.			
T Dibenzofuran	0.000		0	N.D.			
T 2,4-Dinitrotoluene	0.000		0	N.D.			
T 4-Nitrophenol	0.000		0	N.D.			
T Diethylphthalate	0.000		0	N.D.			
T Fluorene	0.000		0	N.D.			
T 4-Chlorophenyl-phenylether	0.000		0	N.D.			
T 4-Nitroaniline	0.000		0	N.D.			
T 4,6-Dinitro-2-methylphenol	0.000		0	N.D.			
T N-nitrosodiphenylamine	0.000		0	N.D.			
T Azobenzene	0.000		0	N.D.			
T 4-Bromophenyl-phenylether	0.000		0	N.D.			
T Hexachlorobenzene	0.000		0	N.D.			
T Pentachlorophenol	0.000		0	N.D.			
T Phenanthrene	0.000		0	N.D.			
T Anthracene	0.000		0	N.D.			
T Triallate	0.000		0	N.D.			
T Carbazole	0.000		0	N.D.			
T o-Terphenyl	0.000		0	N.D.			
T Di-n-Butylphthalate	0.000		0	N.D.			
T Fluoranthene	0.000		0	N.D.			
T Benzidine	12.875	184.0	0		µg/L	md	1
T Pyrene	0.000		0	N.D.			
T Butylbenzylphthalate	0.000		0	N.D.			
T Benzo(a)Anthracene	0.000		0	N.D.			
T Chrysene	0.000		0	N.D.			
T 3,3-Dichlorobenzidine	0.000		0	N.D.			
T bis(2-ethylhexyl)Phthalate	0.000		0	N.D.			
T Di-n-octyl Phthalate	0.000		0	N.D.			

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	0.000		0	N.D.		
T Benzo(k)fluoranthene	0.000		0	N.D.		
T Benzo(a)pyrene	0.000		0	N.D.		
T Indeno(1,2,3-c,d)pyrene	0.000		0	N.D.		
T Dibenzo(a,h)anthracene	0.000		0	N.D.		
T Benzo(g,h,i)perylene	0.000		0	N.D.		

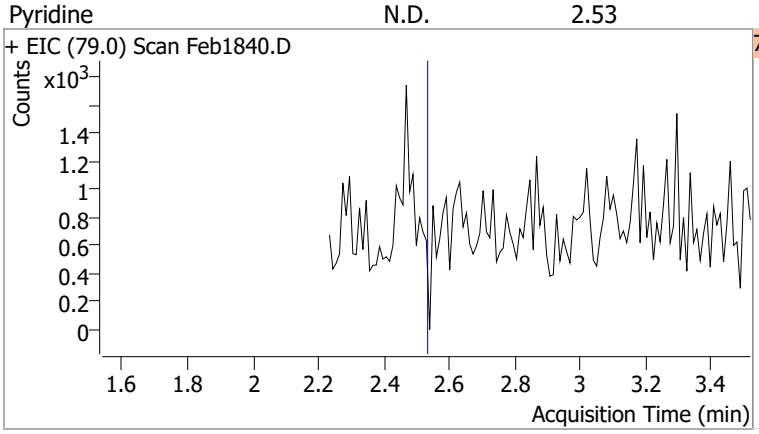
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

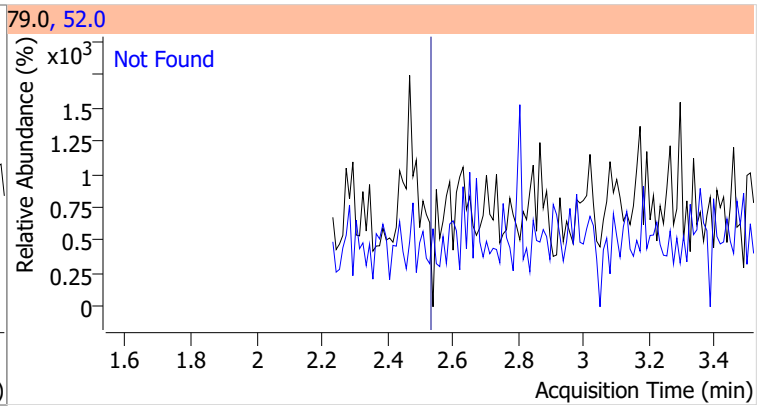
Compound	Conc.	Exp RT	QIon	Exp Ratio
N-Nitrosodimethylamine	N.D.	2.49	42.0	135.8



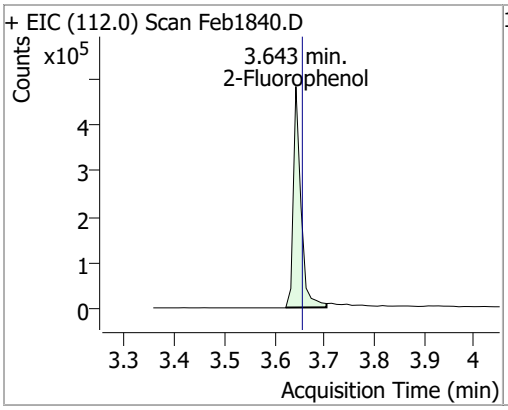


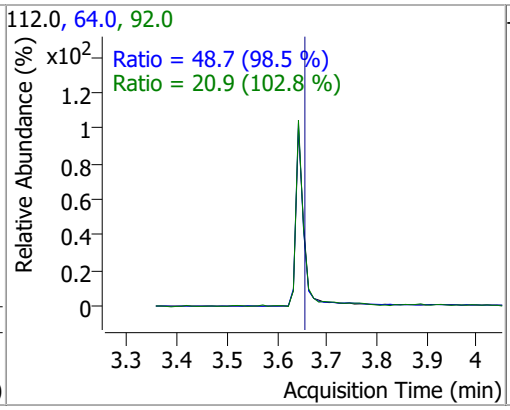
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyridine	N.D.	2.53	52.0	82.7

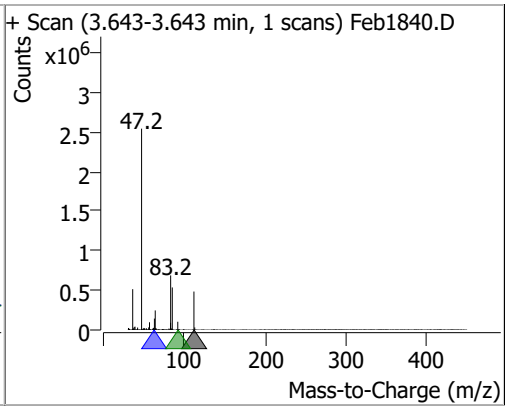




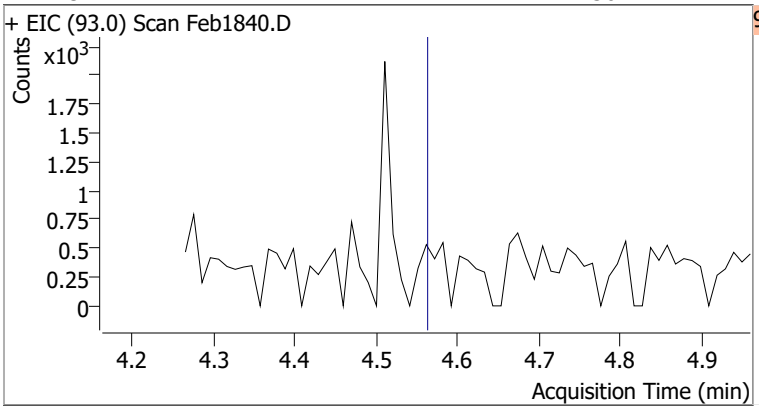
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	64.7419	3.64	-0.01	501227	64.0	48.7	34.6	64.3
					92.0	20.9	14.2	26.5

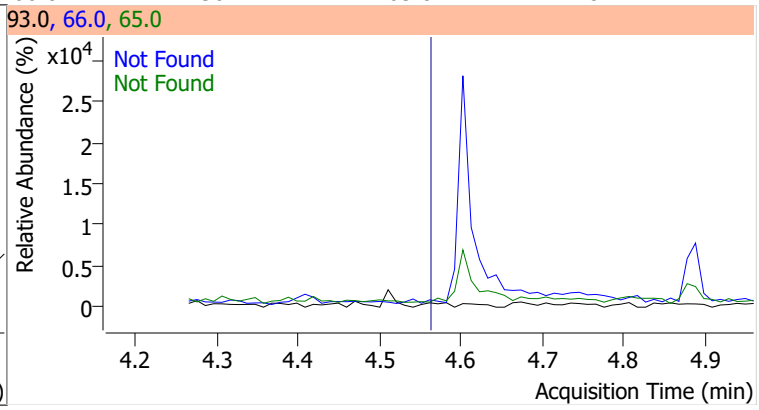




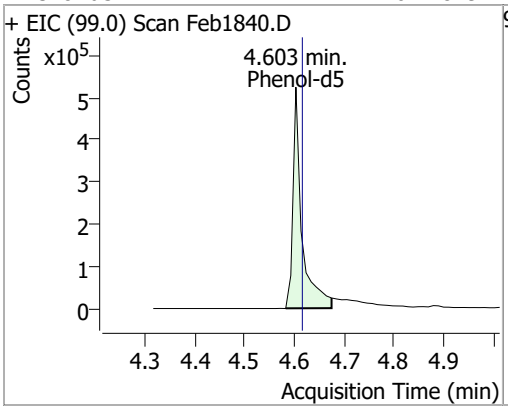


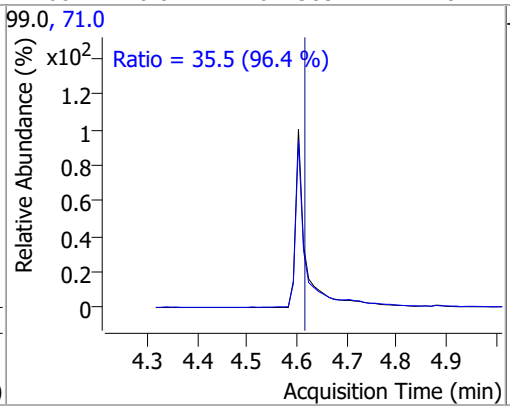
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Aniline	N.D.	4.56	66.0	36.7	65.0	18.7

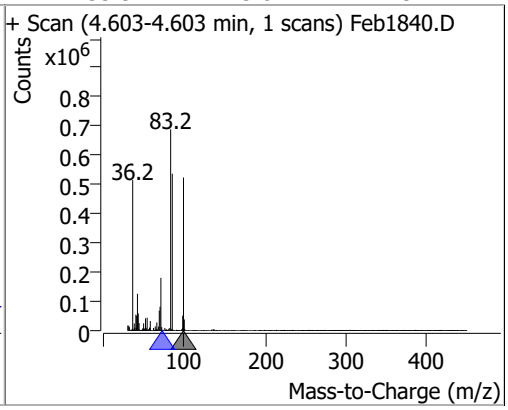




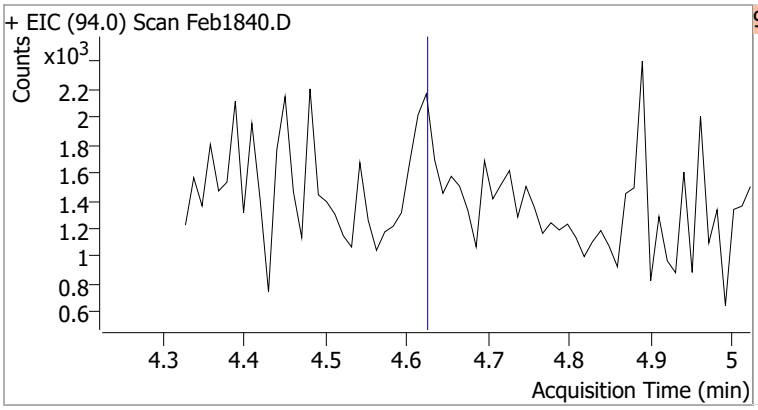
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	62.4849	4.60	-0.01	627505	71.0	35.5	25.8	47.9

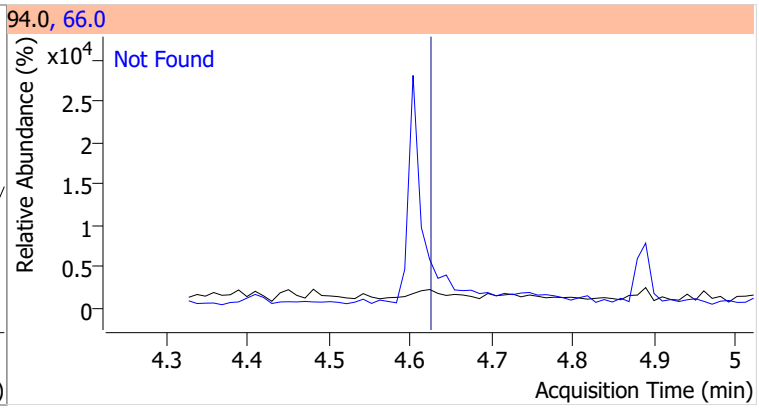




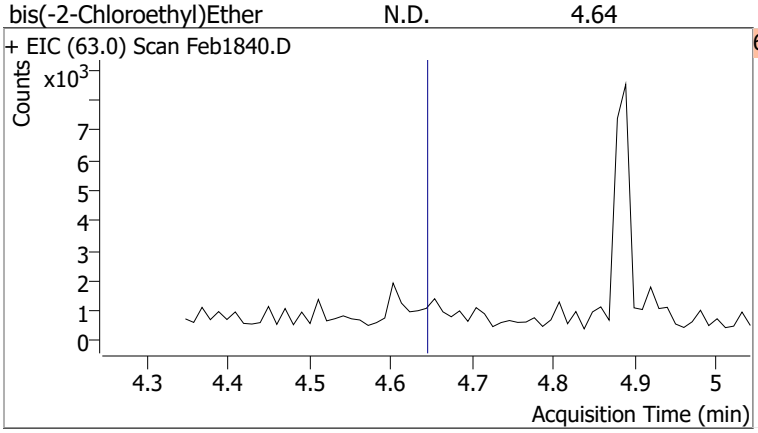


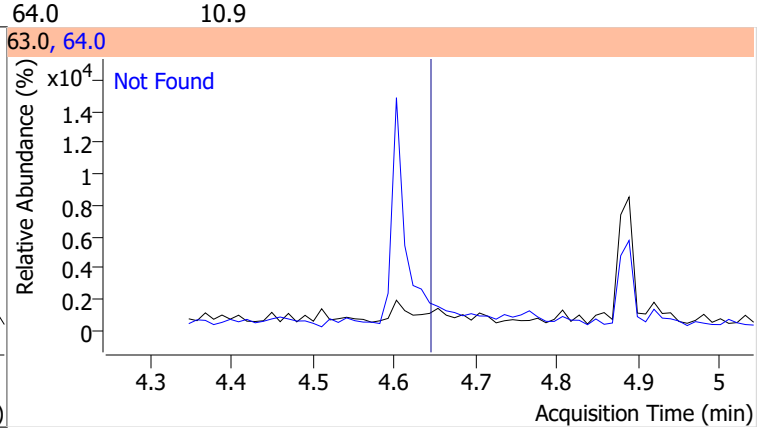
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenol	N.D.	4.62	66.0	45.3



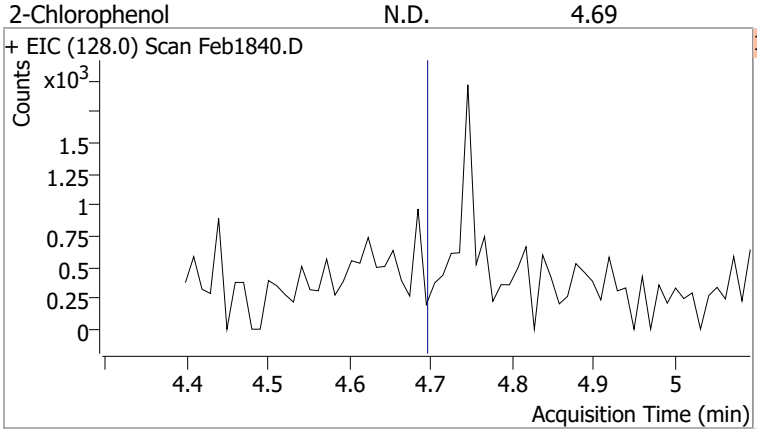


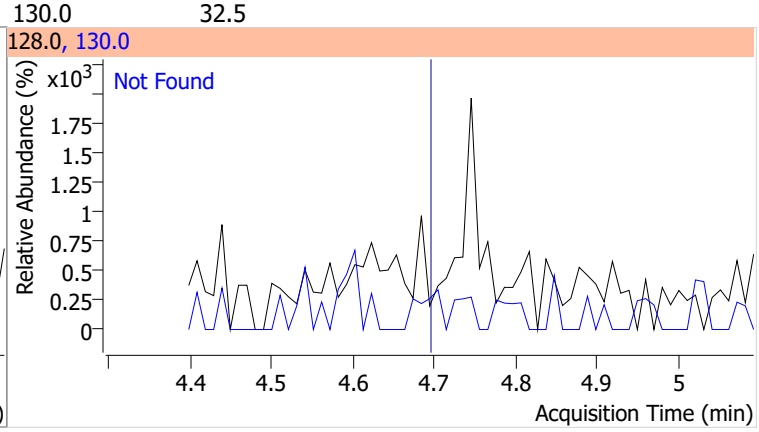
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(-2-Chloroethyl)Ether	N.D.	4.64	64.0	10.9



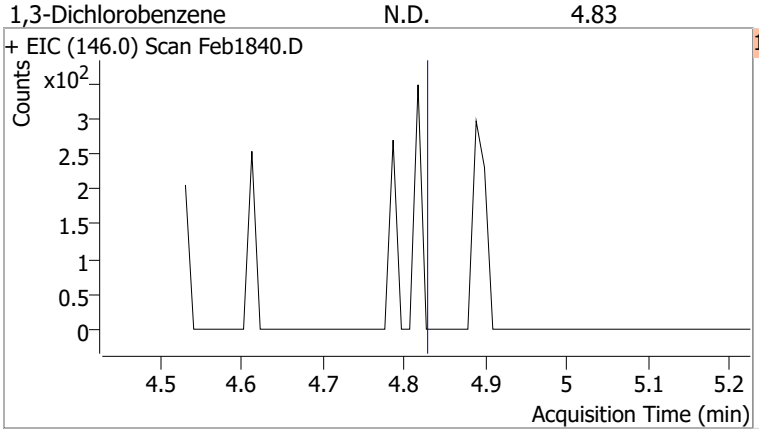


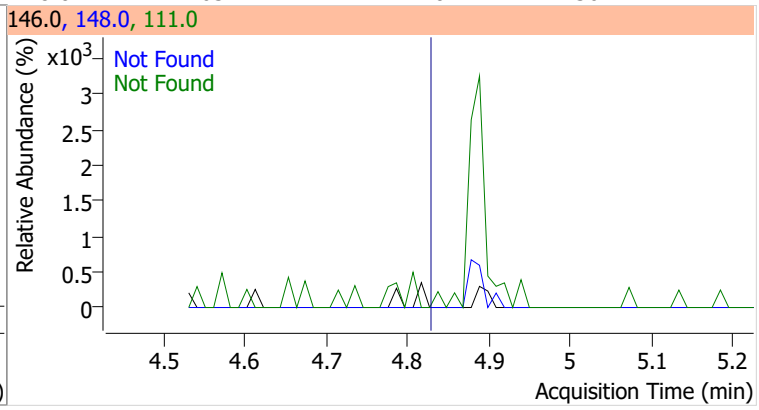
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Chlorophenol	N.D.	4.69	130.0	32.5



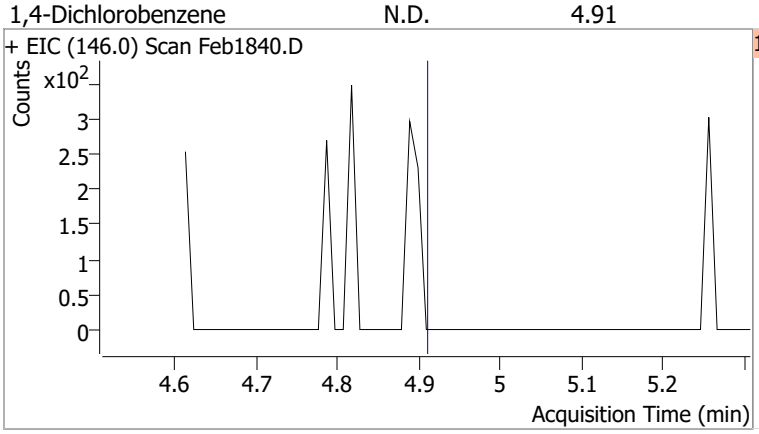


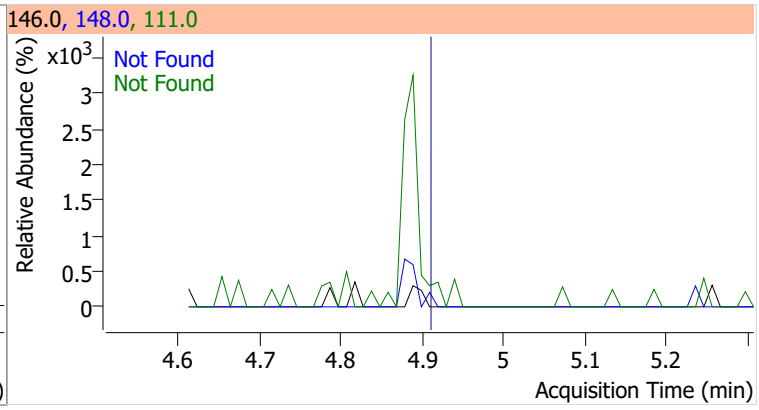
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,3-Dichlorobenzene	N.D.	4.83	148.0	63.7	111.0	36.1



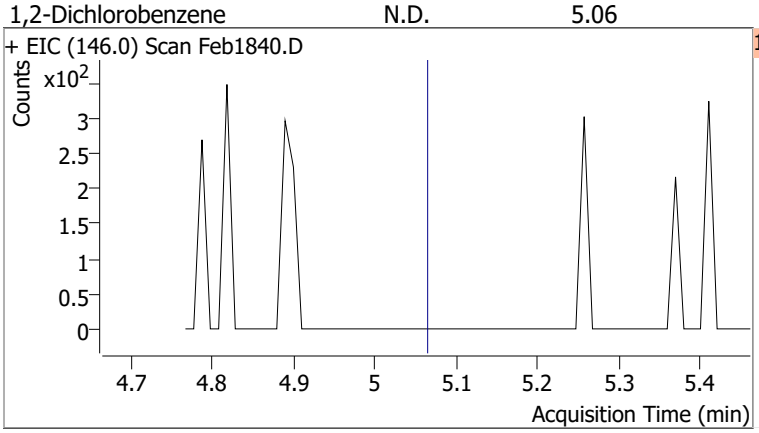


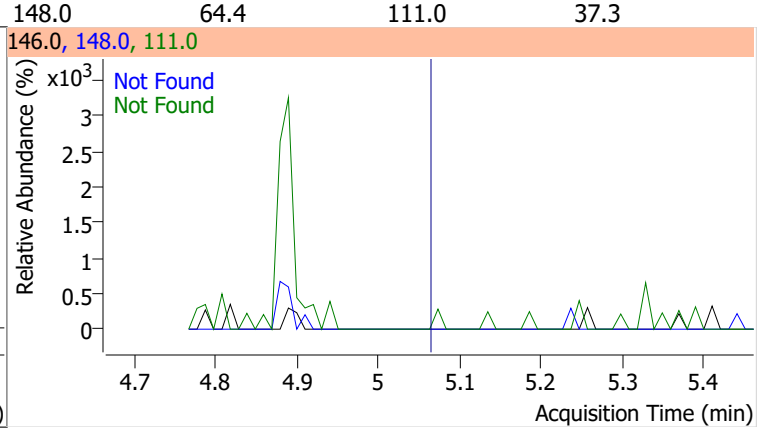
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,4-Dichlorobenzene	N.D.	4.91	148.0	65.2	111.0	36.0



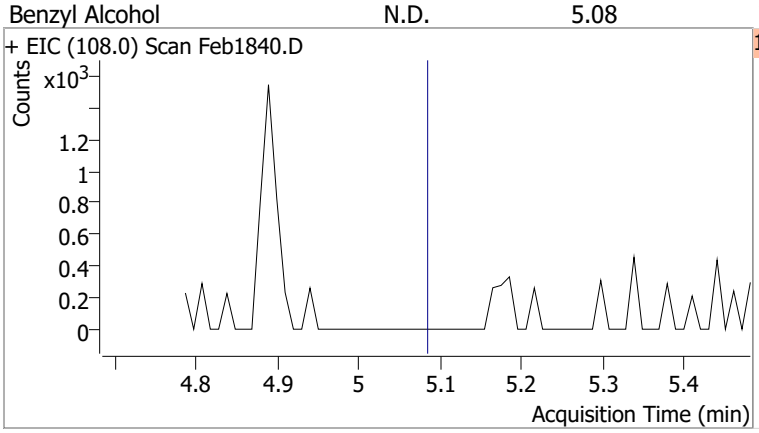


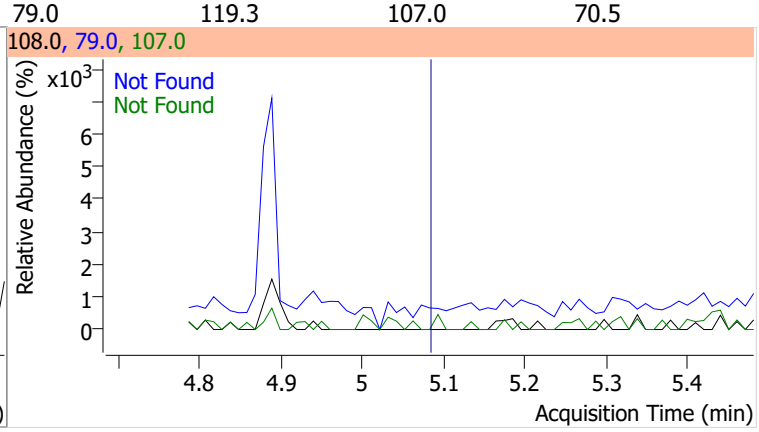
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2-Dichlorobenzene	N.D.	5.06	148.0	64.4	111.0	37.3



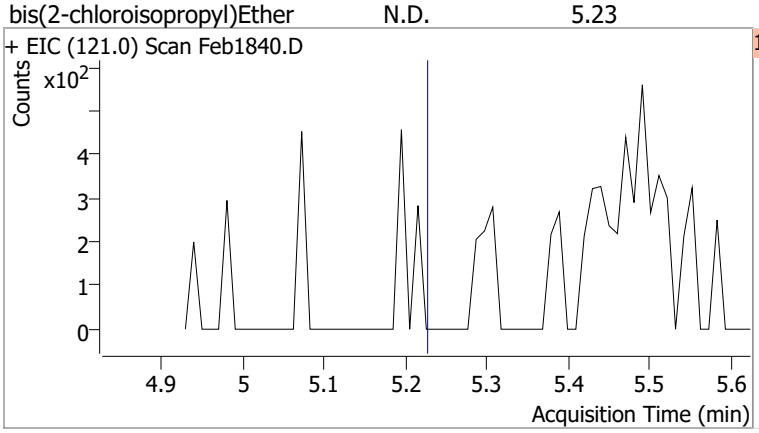


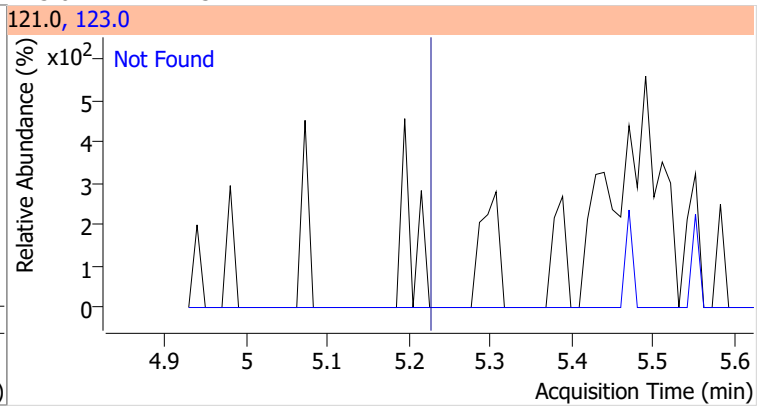
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzyl Alcohol	N.D.	5.08	79.0	119.3	107.0	70.5



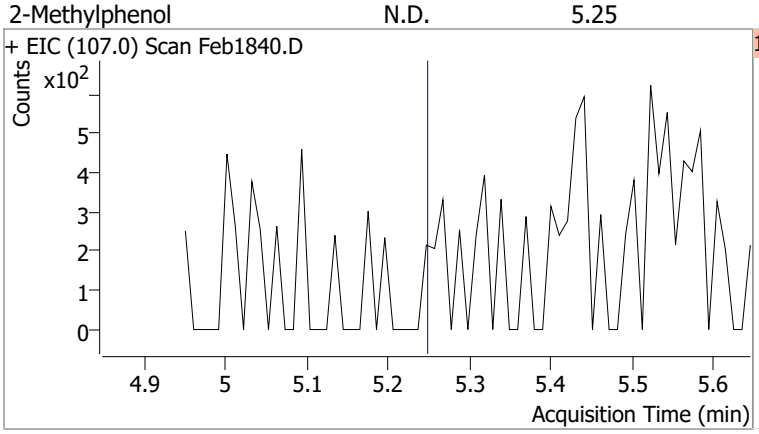


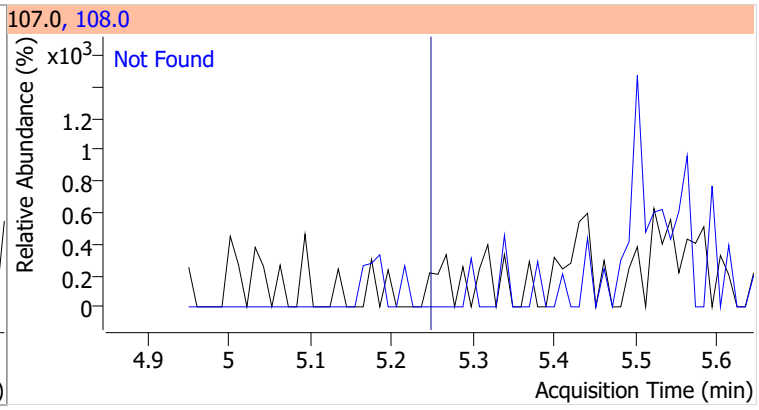
Compound	Conc.	Exp RT	QIon	Exp Ratio
bis(2-chloroisopropyl)Ether	N.D.	5.23	123.0	32.1



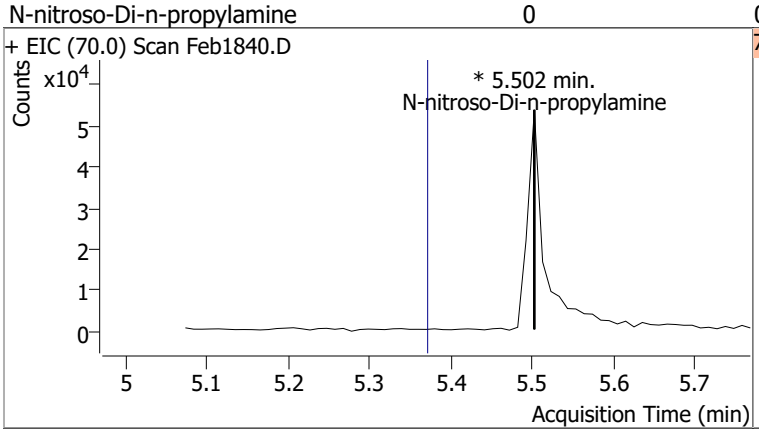


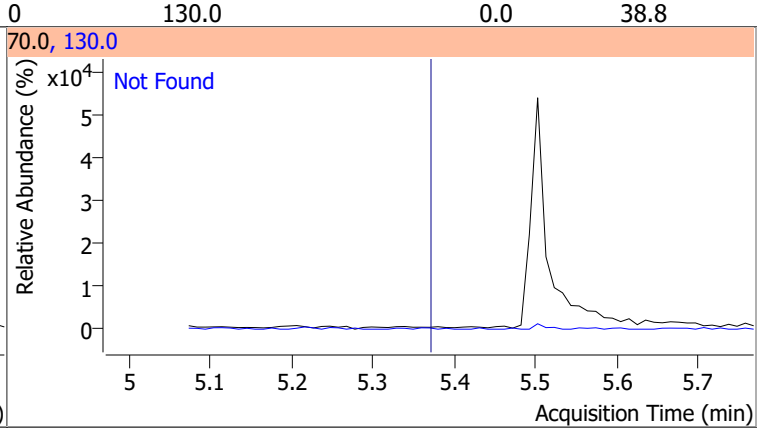
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Methylphenol	N.D.	5.25	108.0	116.5



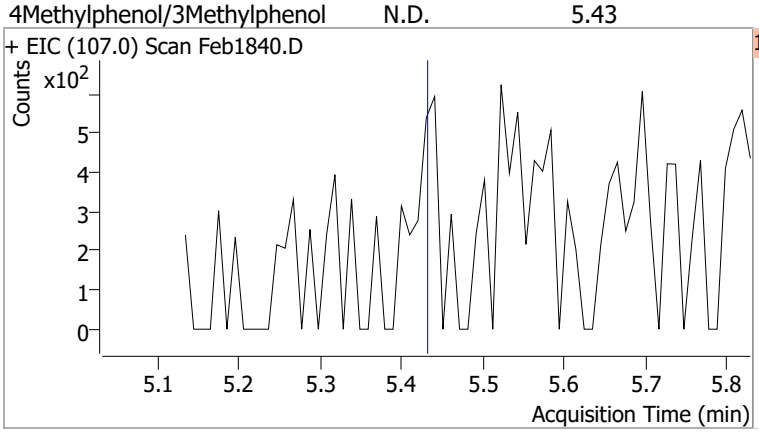


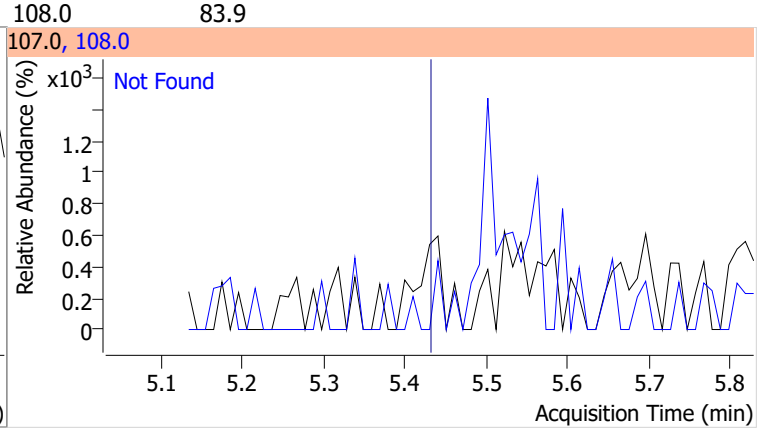
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine		0		0	130.0		0.0	38.8



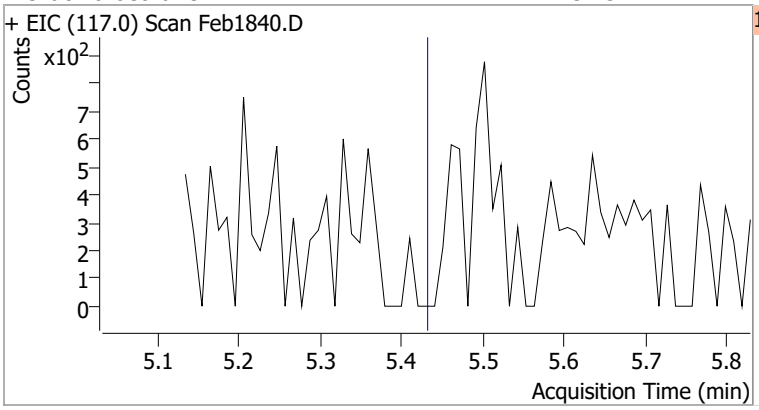


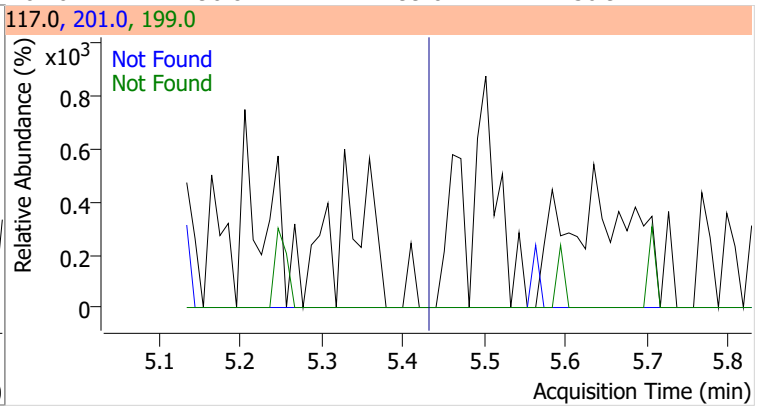
Compound	Conc.	Exp RT	QIon	Exp Ratio
4Methylphenol/3Methylphenol	N.D.	5.43	108.0	83.9



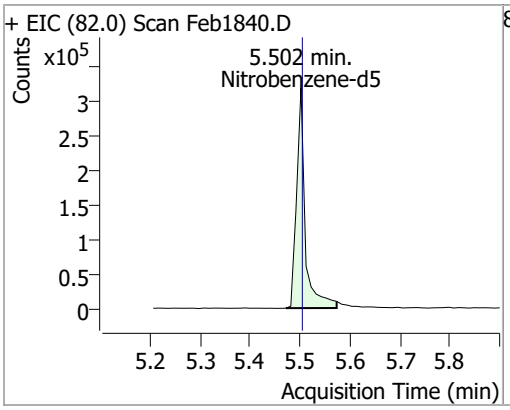


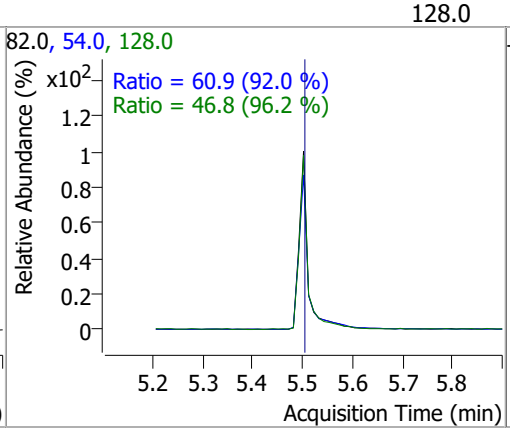
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachloroethane	N.D.	5.43	201.0	90.8	199.0	56.9

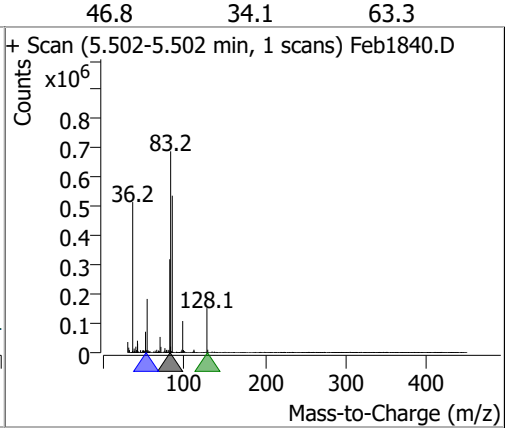




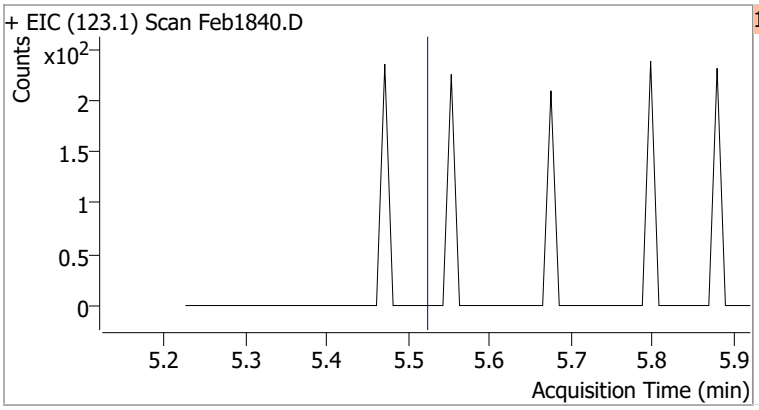
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	68.0851	5.50	0.00	379415	54.0	60.9	46.3	86.0
					128.0	46.8	34.1	63.3

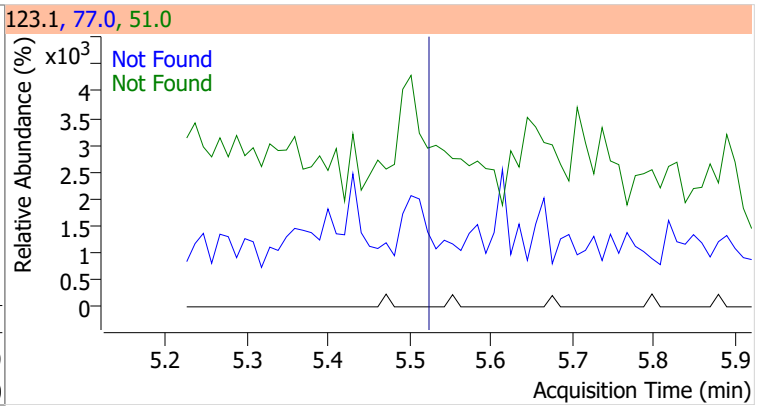




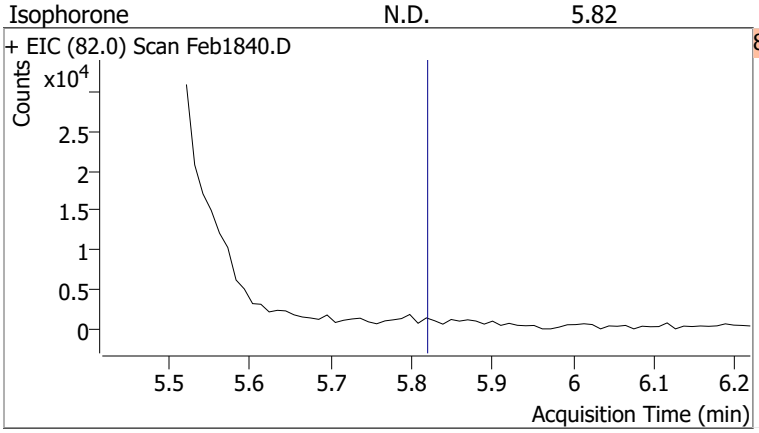


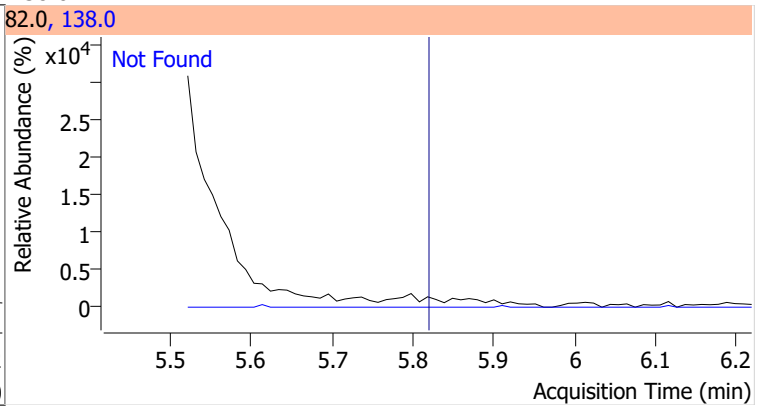
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Nitrobenzene	N.D.	5.52	77.0	212.7	51.0	131.0



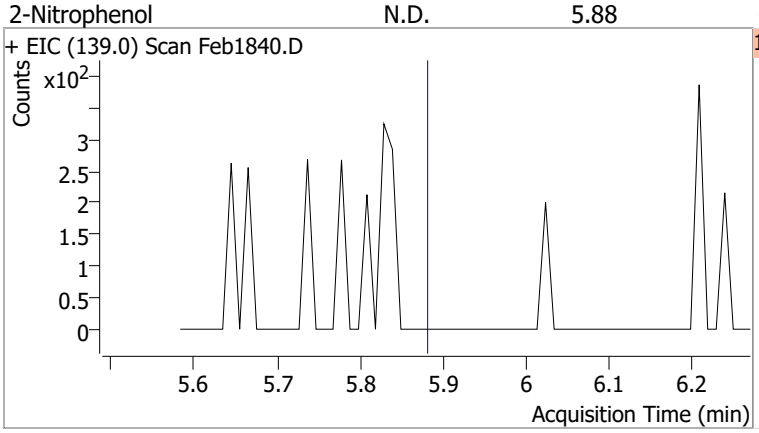


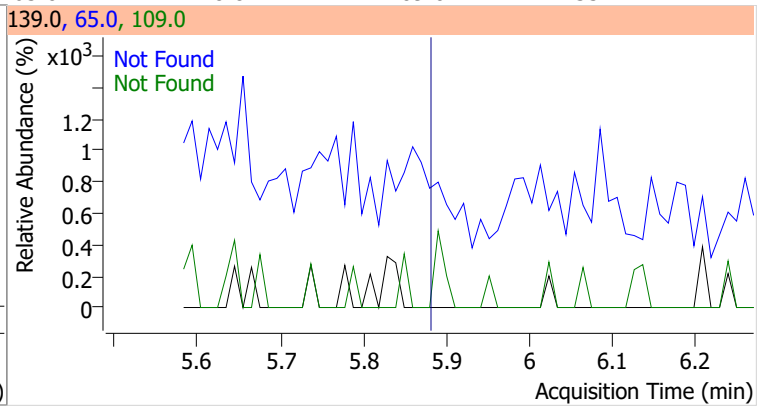
Compound	Conc.	Exp RT	QIon	Exp Ratio
Isophorone	N.D.	5.82	138.0	21.1



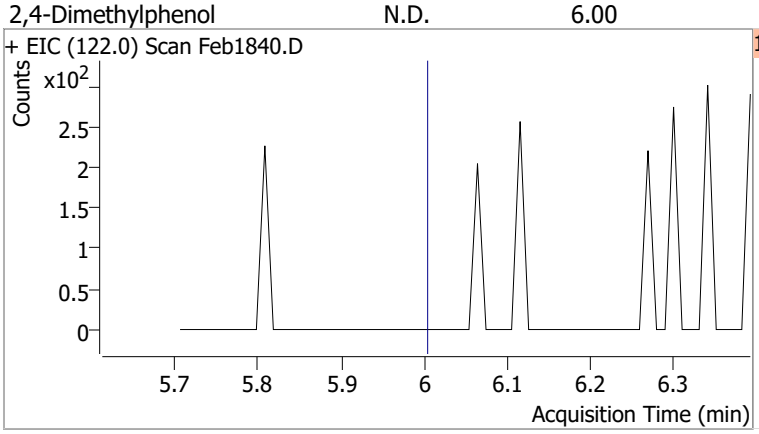


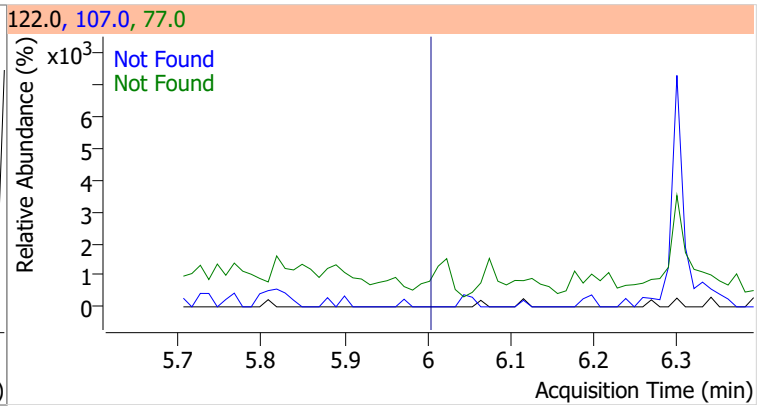
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Nitrophenol	N.D.	5.88	65.0	48.8	109.0	35.2



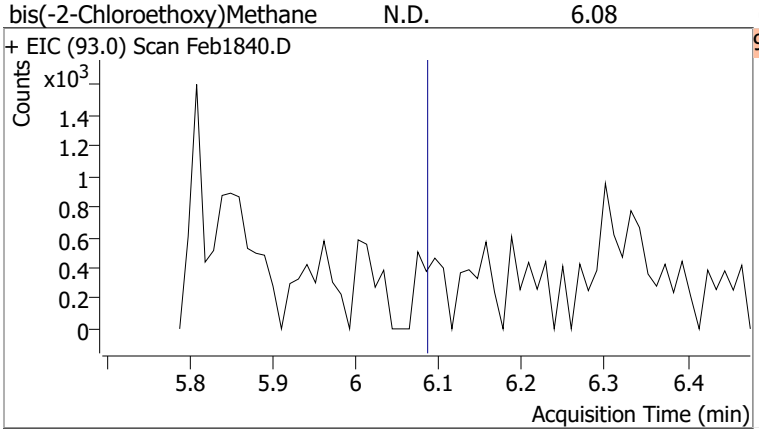


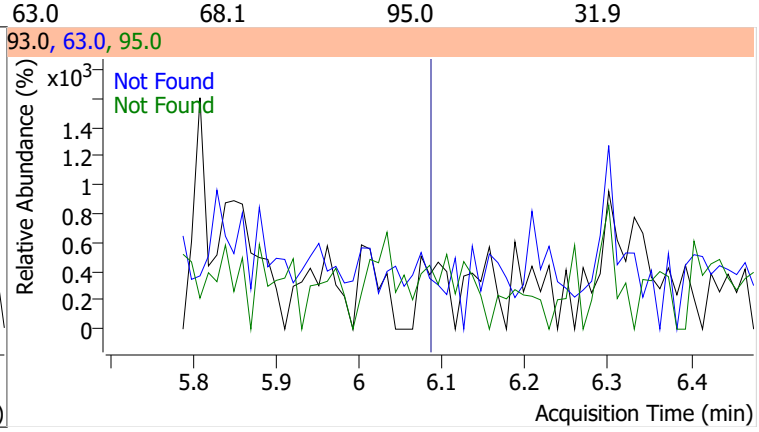
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dimethylphenol	N.D.	6.00	107.0	109.4	77.0	34.0



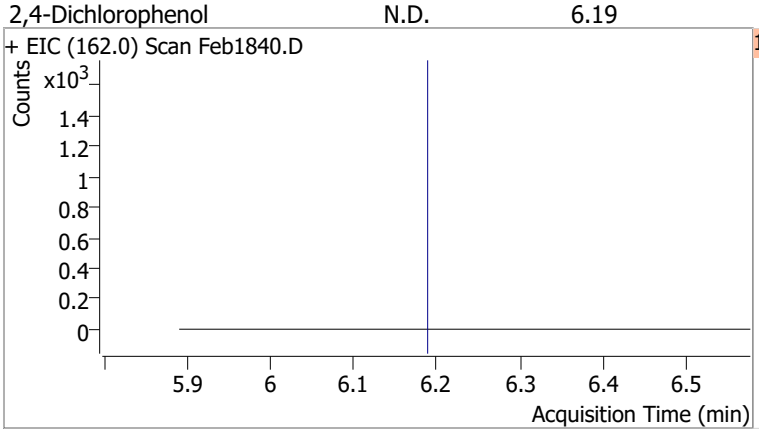


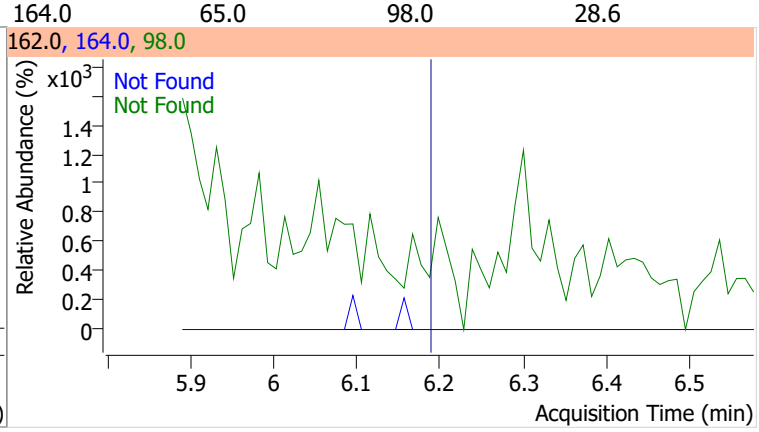
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(-2-Chloroethoxy)Methane	N.D.	6.08	63.0	68.1	95.0	31.9



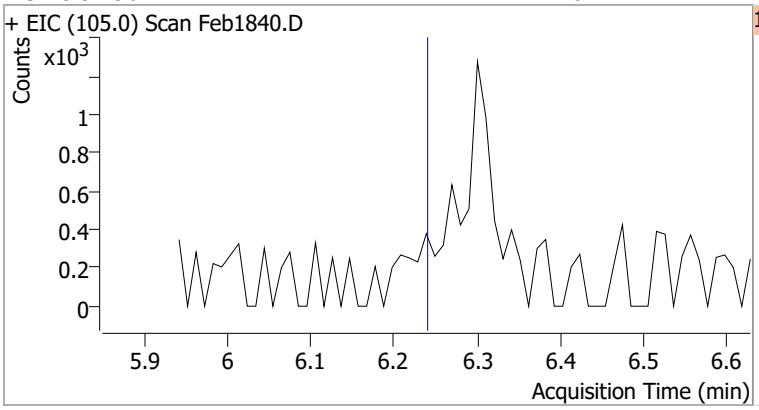


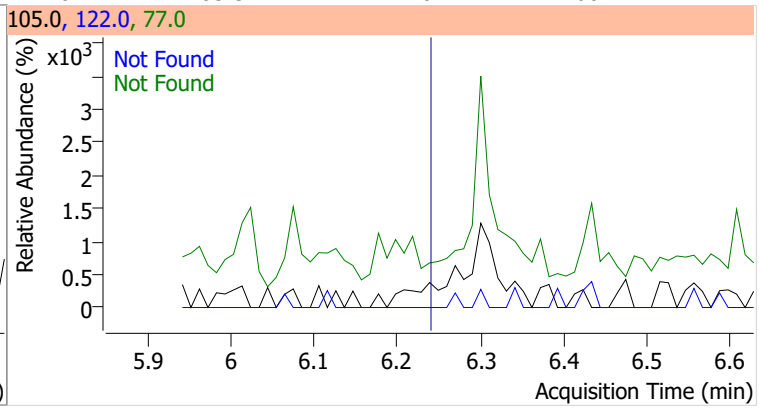
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dichlorophenol	N.D.	6.19	164.0	65.0	98.0	28.6



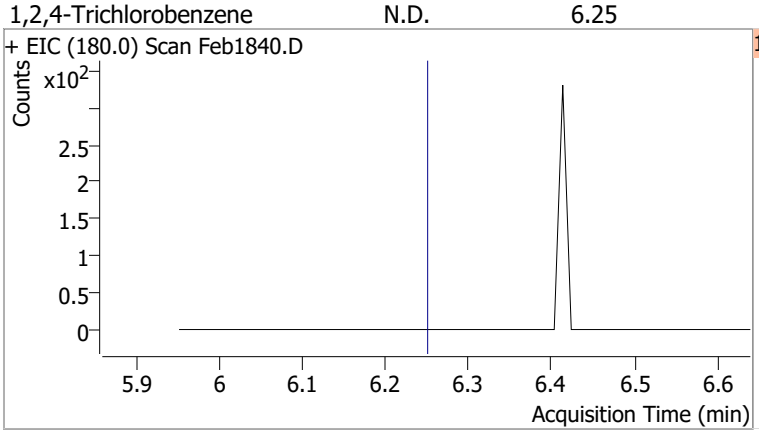


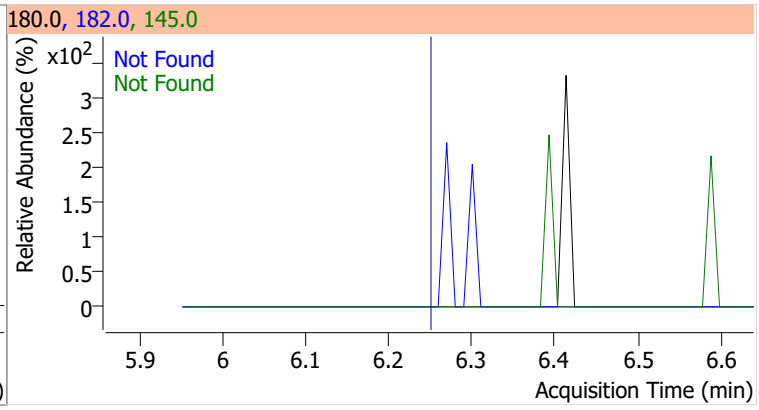
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzoic Acid	N.D.	6.24	122.0	85.5	77.0	60.4



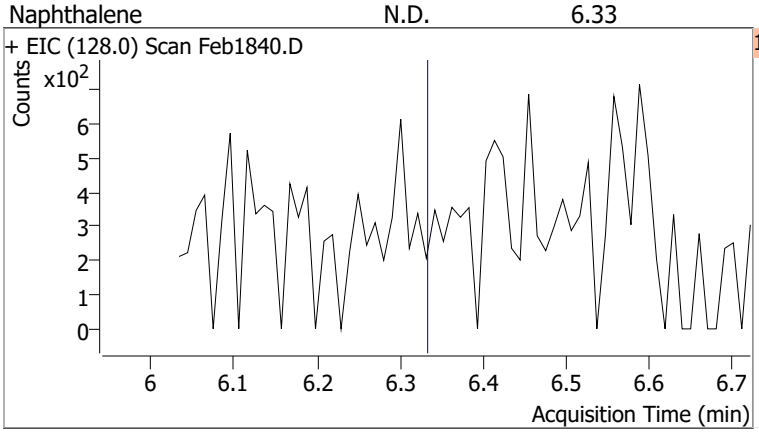


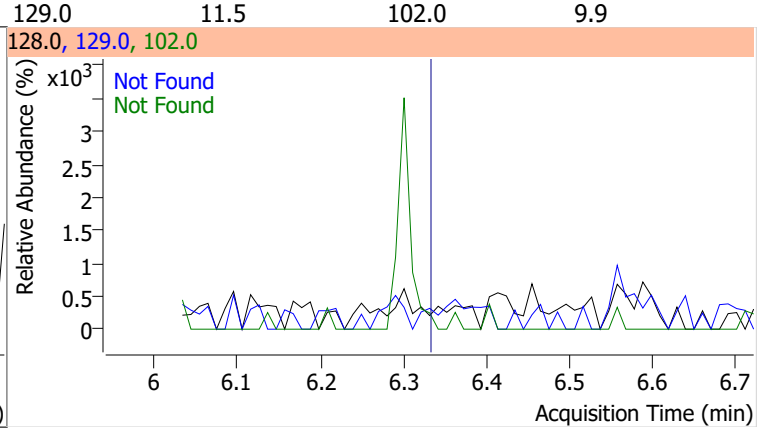
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1,2,4-Trichlorobenzene	N.D.	6.25	182.0	94.6	145.0	28.7



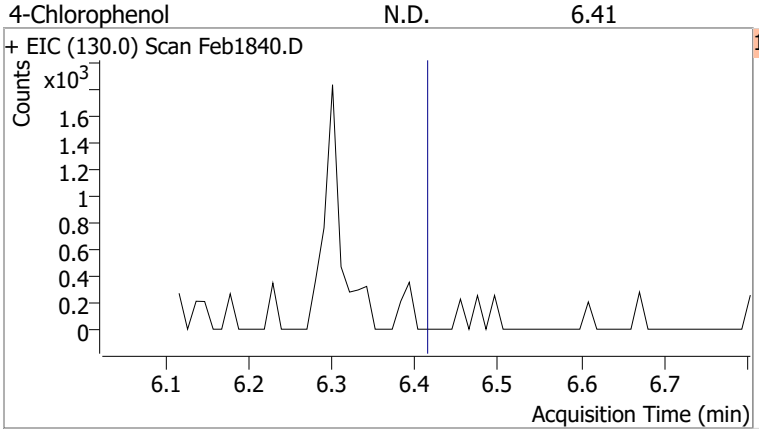


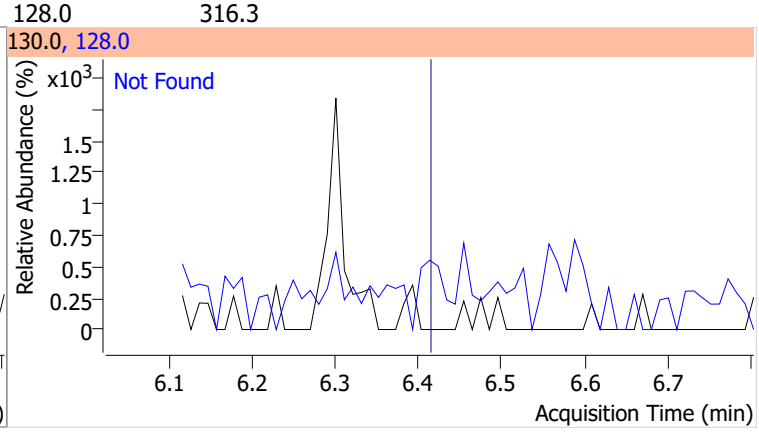
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Naphthalene	N.D.	6.33	129.0	11.5	102.0	9.9



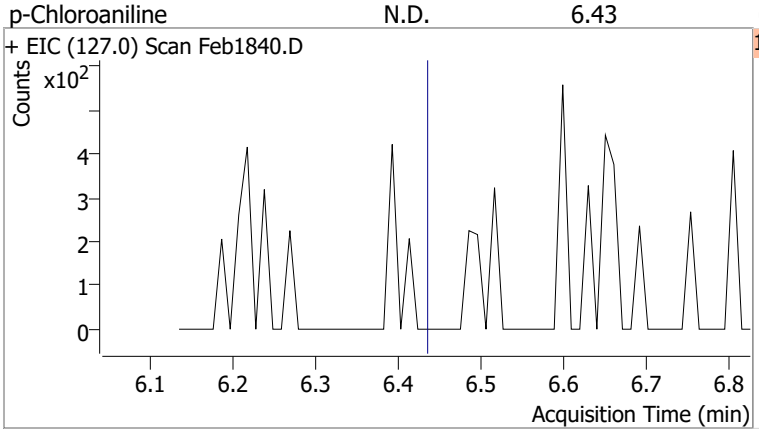


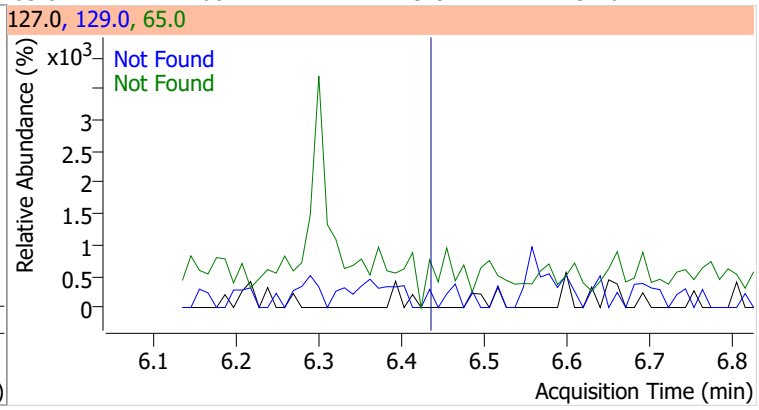
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chlorophenol	N.D.	6.41	128.0	316.3



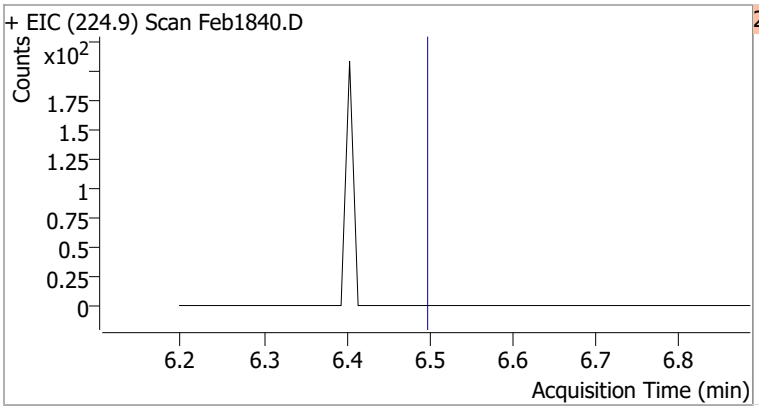


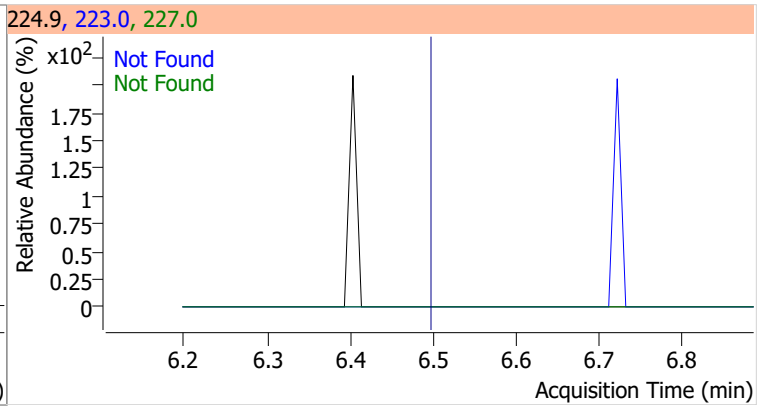
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
p-Chloroaniline	N.D.	6.43	65.0	60.1	129.0	37.6



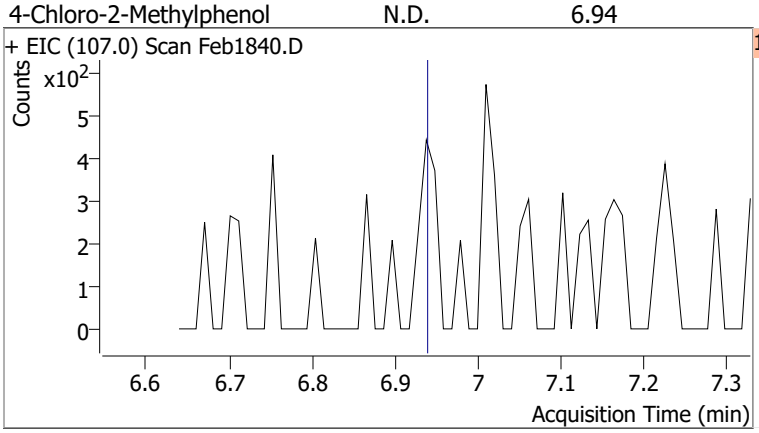


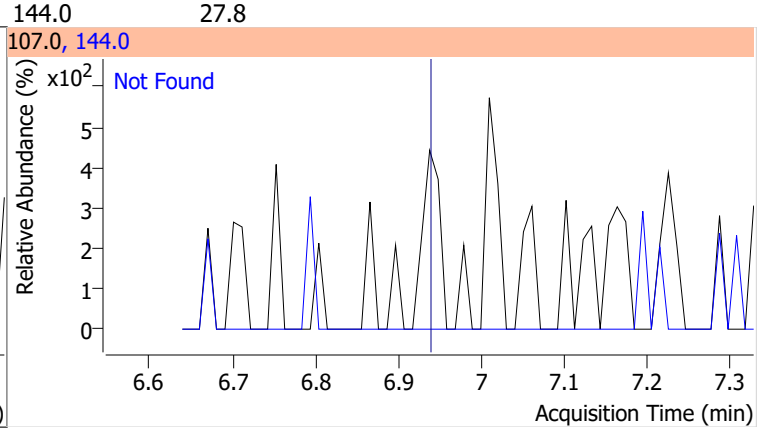
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorobutadiene	N.D.	6.50	227.0	65.7	223.0	64.3



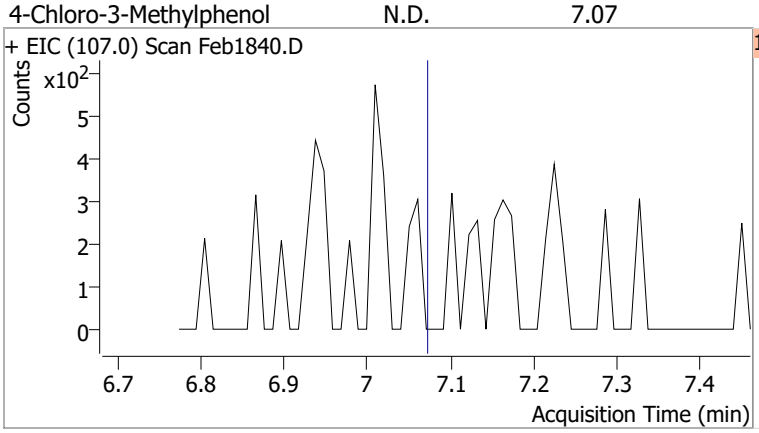


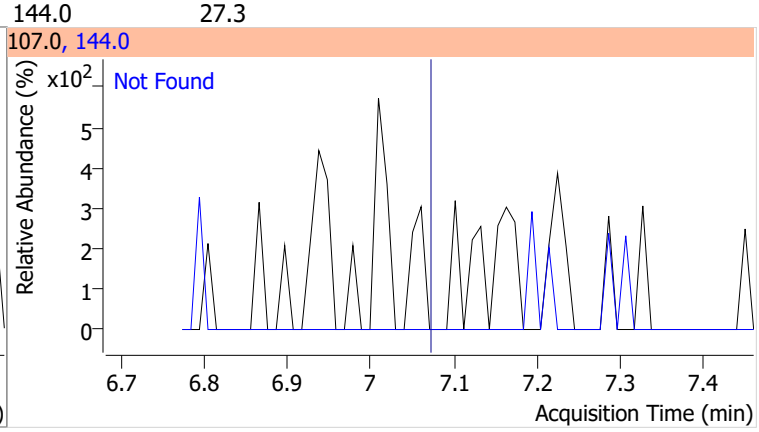
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-2-Methylphenol	N.D.	6.94	144.0	27.8



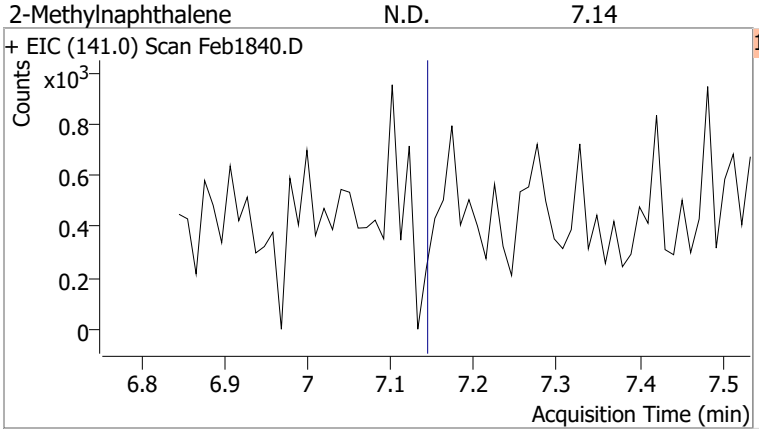


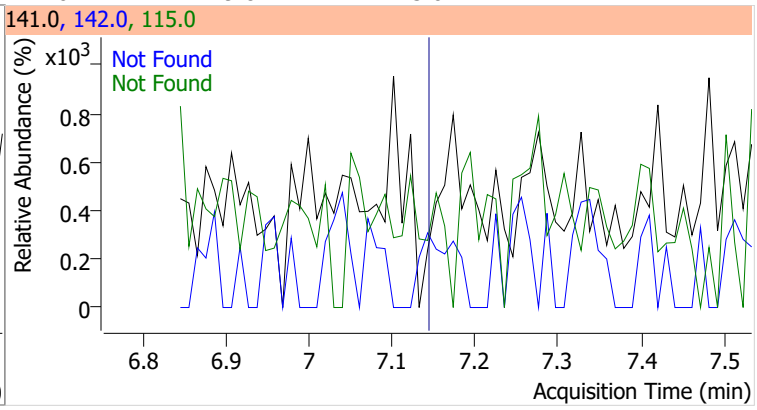
Compound	Conc.	Exp RT	QIon	Exp Ratio
4-Chloro-3-Methylphenol	N.D.	7.07	144.0	27.3



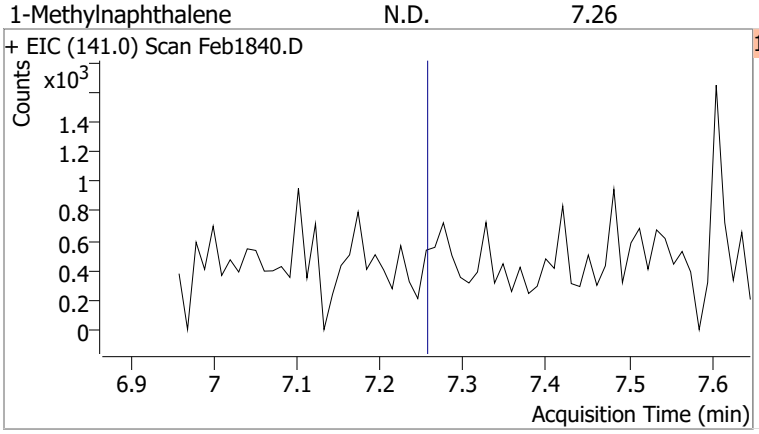


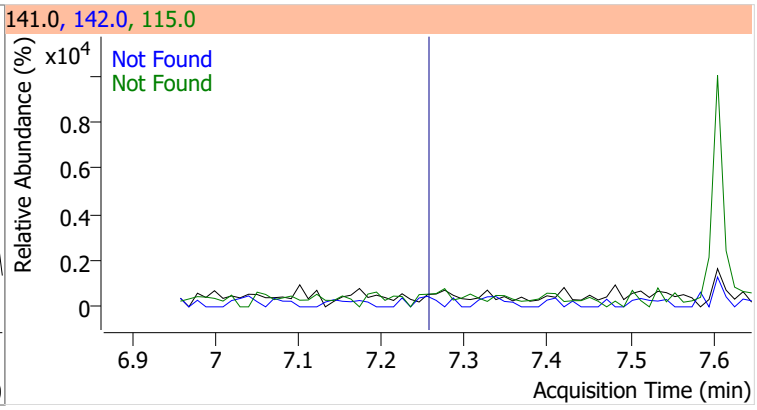
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Methylnaphthalene	N.D.	7.14	142.0	119.8	115.0	41.7



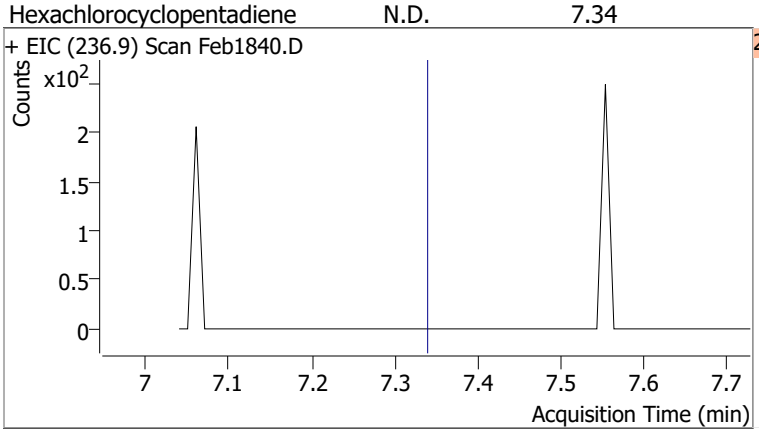


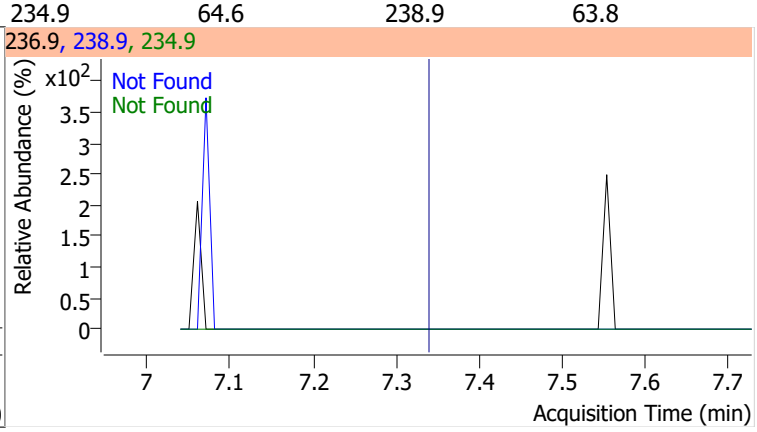
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
1-Methylnaphthalene	N.D.	7.26	142.0	114.0	115.0	41.3



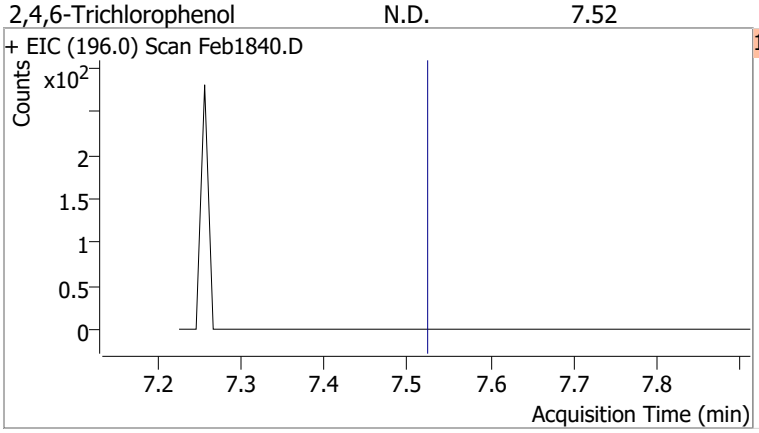


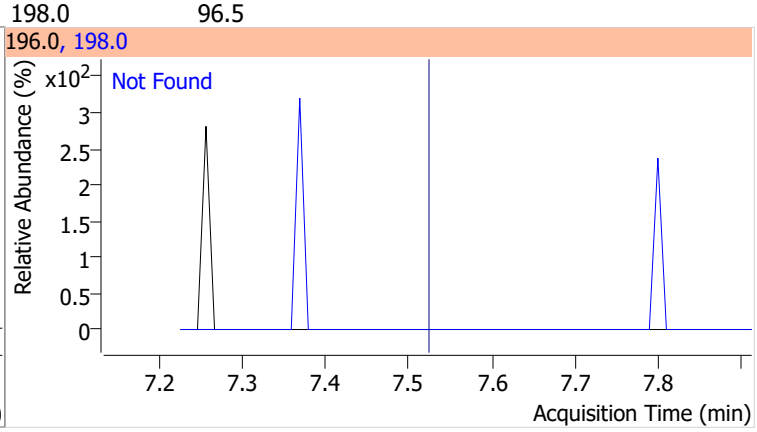
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Hexachlorocyclopentadiene	N.D.	7.34	234.9	64.6	238.9	63.8



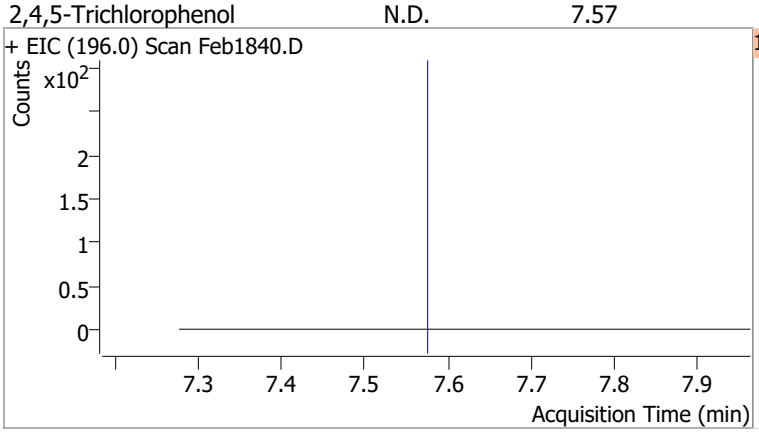


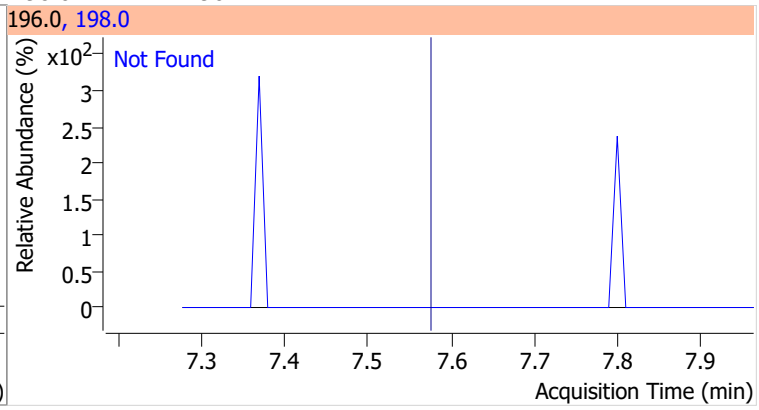
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,6-Trichlorophenol	N.D.	7.52	198.0	96.5



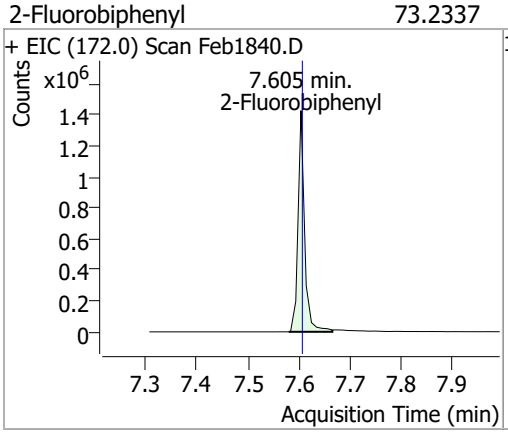


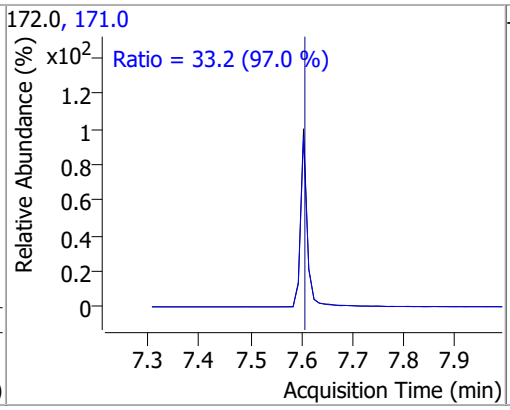
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4,5-Trichlorophenol	N.D.	7.57	198.0	90.2

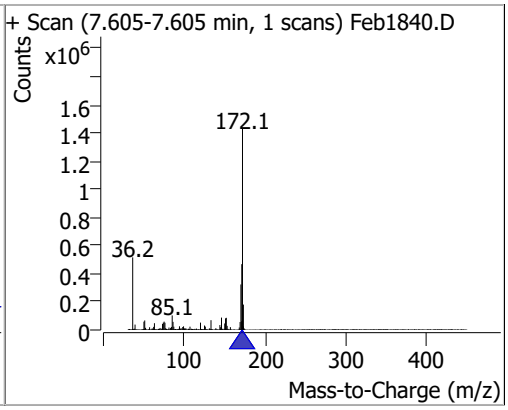




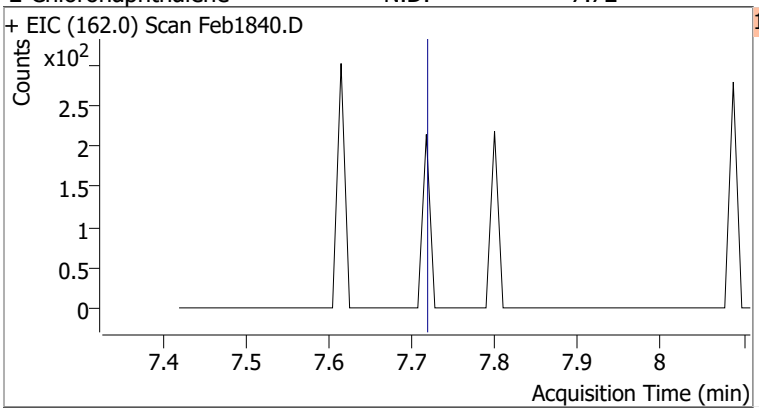
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	73.2337	7.60	0.00	1271175	171.0	33.2	24.0	44.5

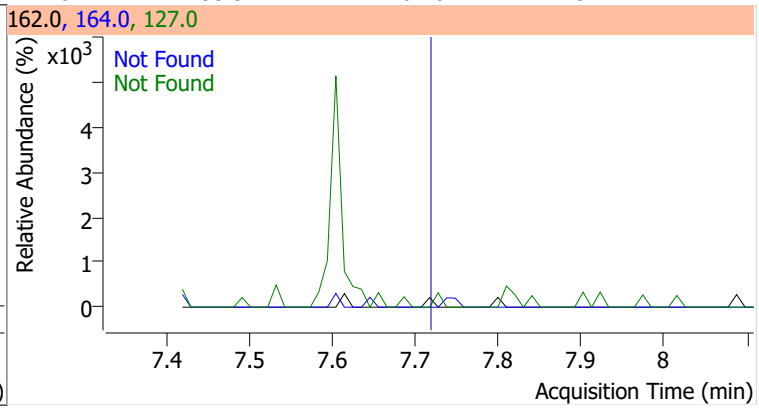




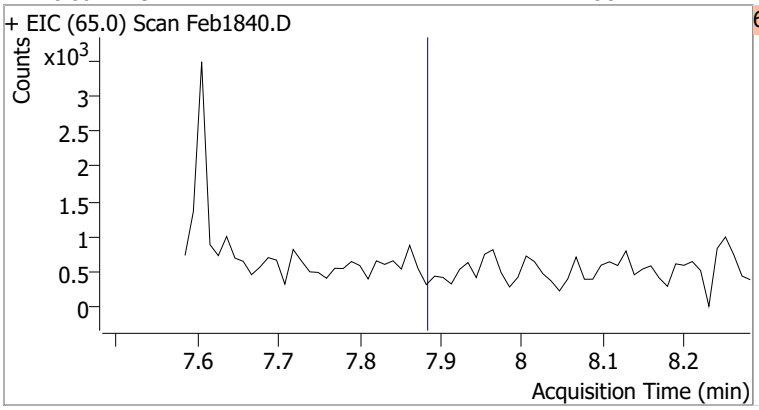


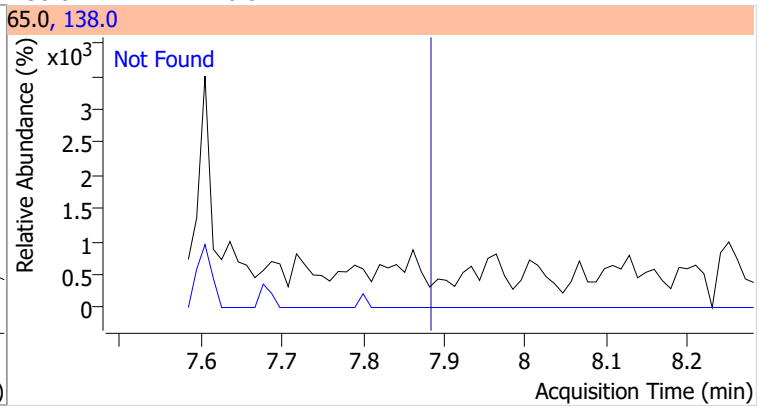
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2-Chloronaphthalene	N.D.	7.72	127.0	35.9	164.0	32.1



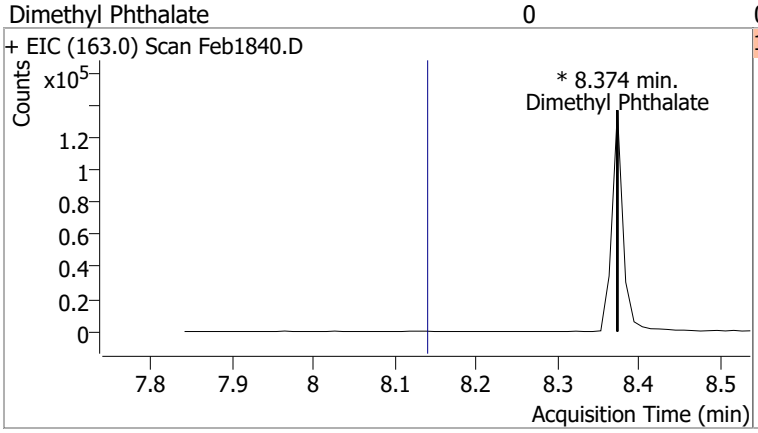


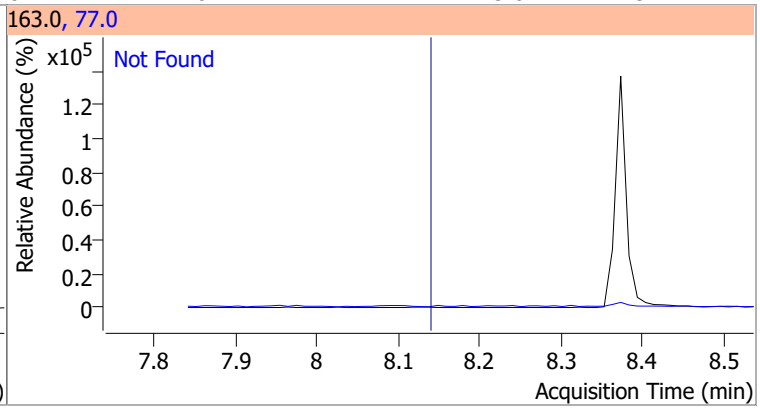
Compound	Conc.	Exp RT	QIon	Exp Ratio
2-Nitroaniline	N.D.	7.88	138.0	110.5



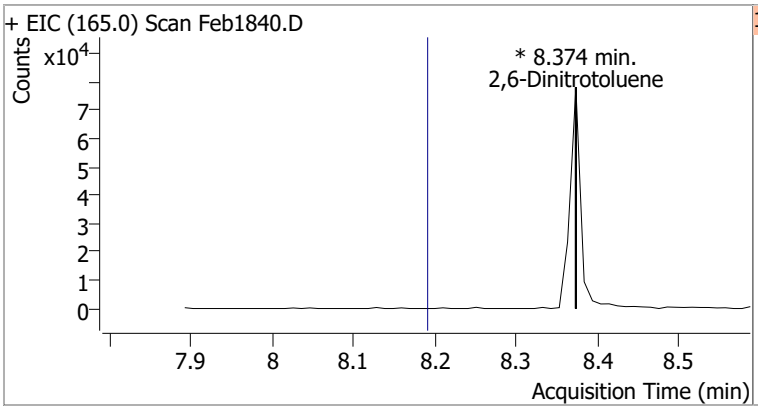


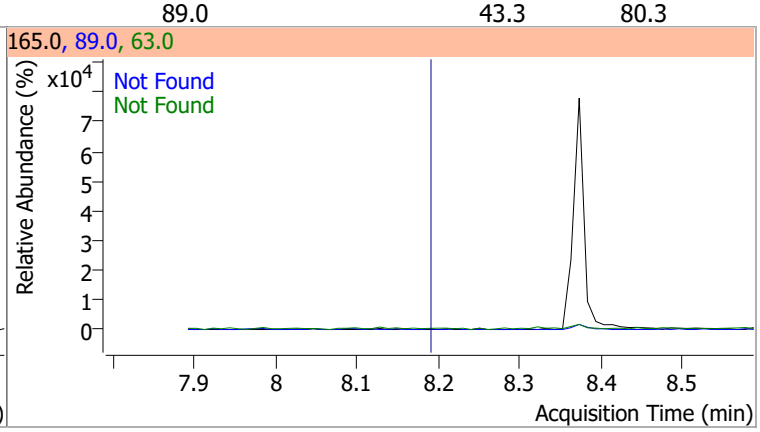
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate		0		0	77.0		13.8	25.7



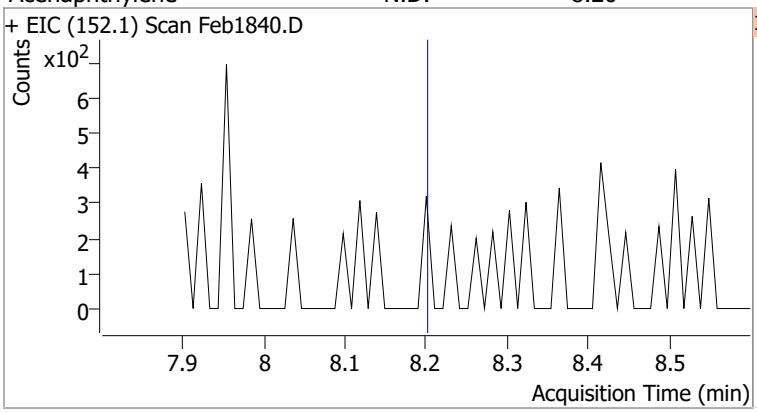


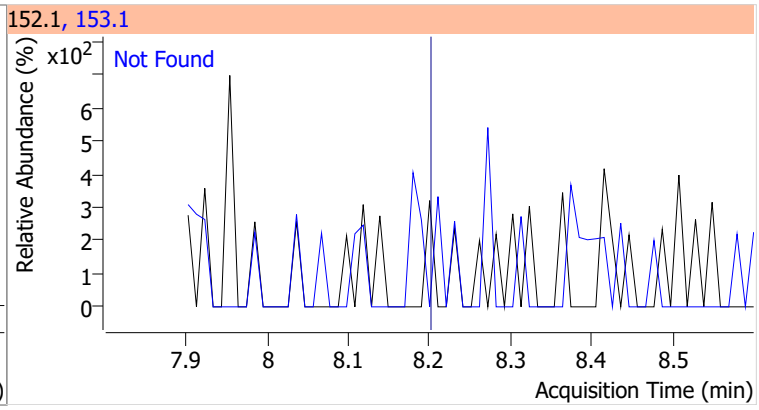
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene		0		0	63.0		99.5	184.8
					89.0		43.3	80.3



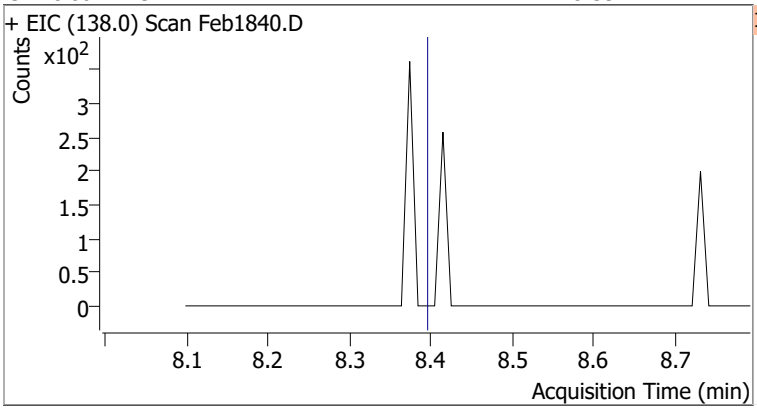


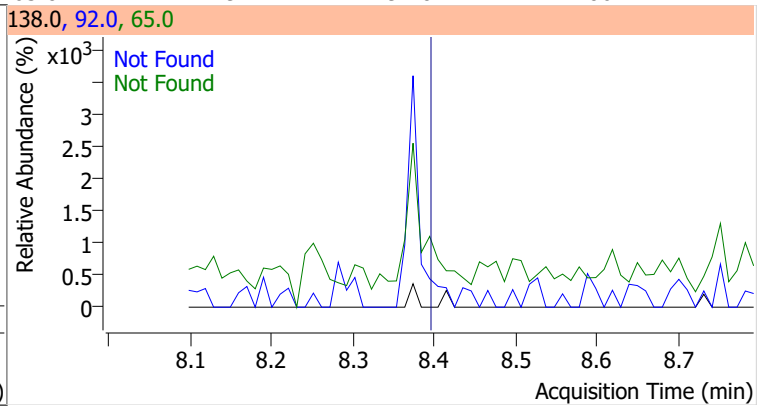
Compound	Conc.	Exp RT	QIon	Exp Ratio
Acenaphthylene	N.D.	8.20	153.1	13.6



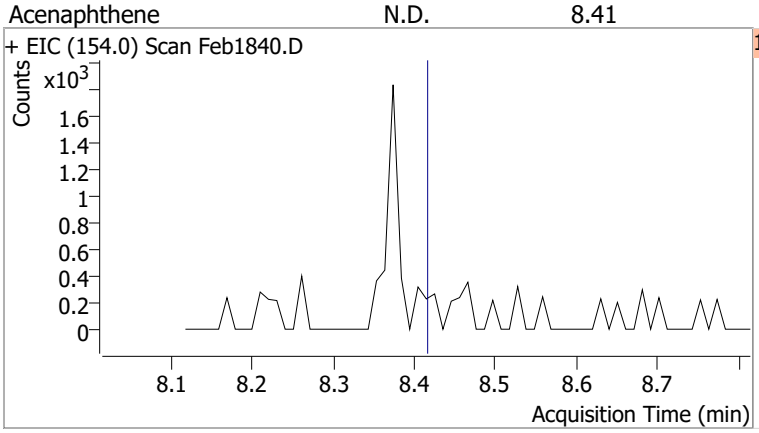


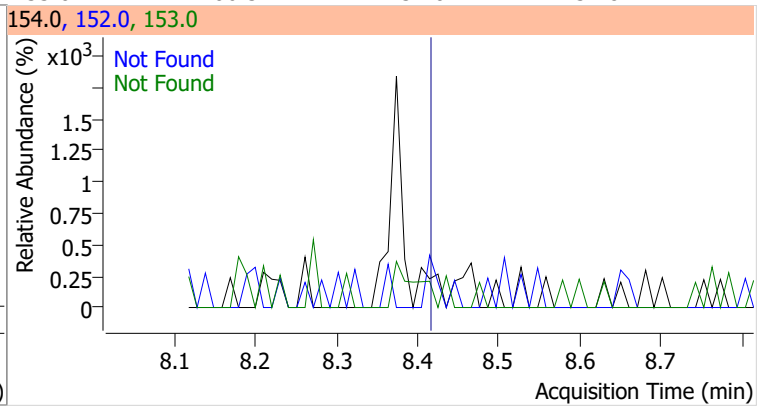
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
3-Nitroaniline	N.D.	8.39	65.0	129.1	92.0	106.7



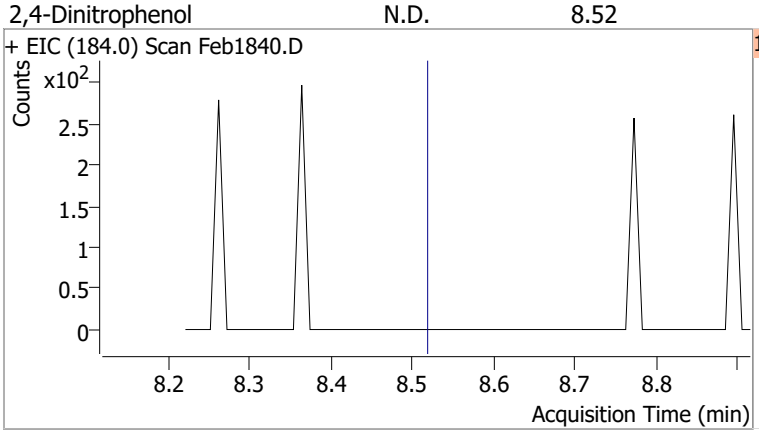


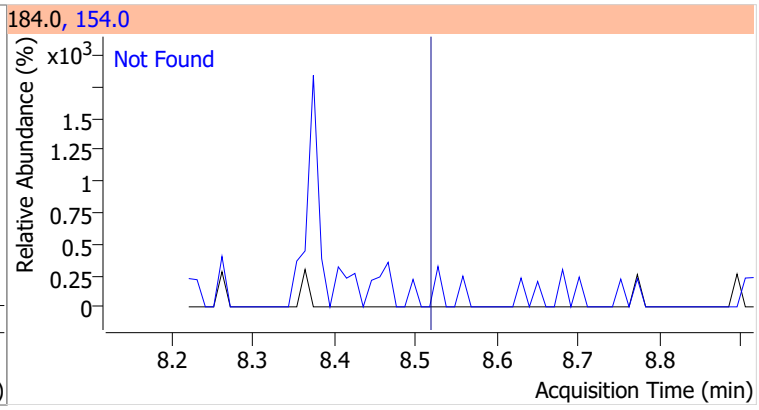
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Acenaphthene	N.D.	8.41	153.0	106.5	152.0	51.8



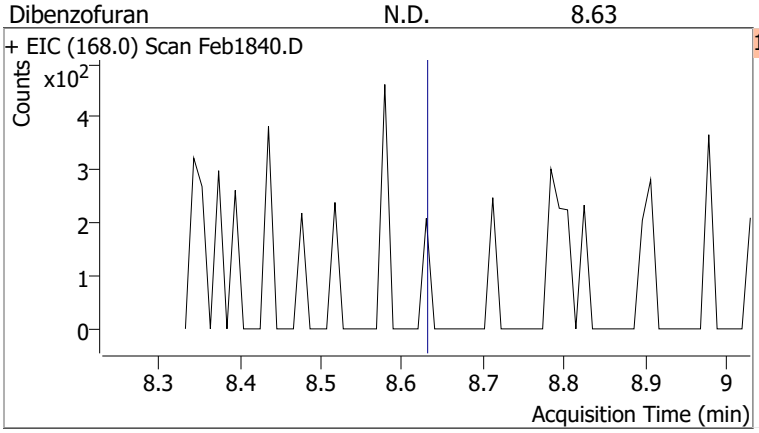


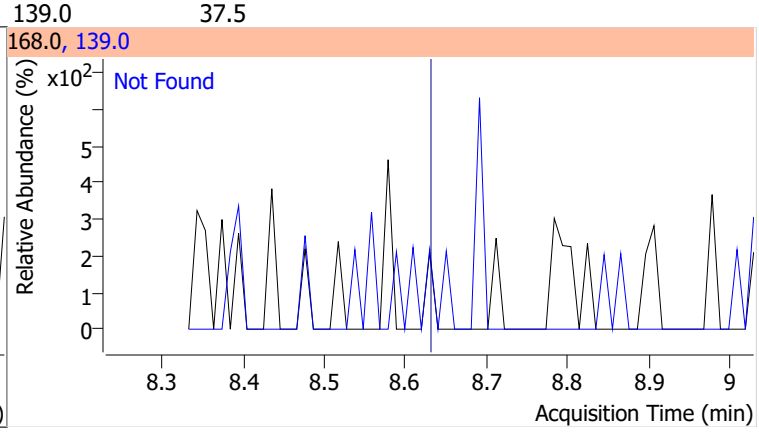
Compound	Conc.	Exp RT	QIon	Exp Ratio
2,4-Dinitrophenol	N.D.	8.52	154.0	62.7



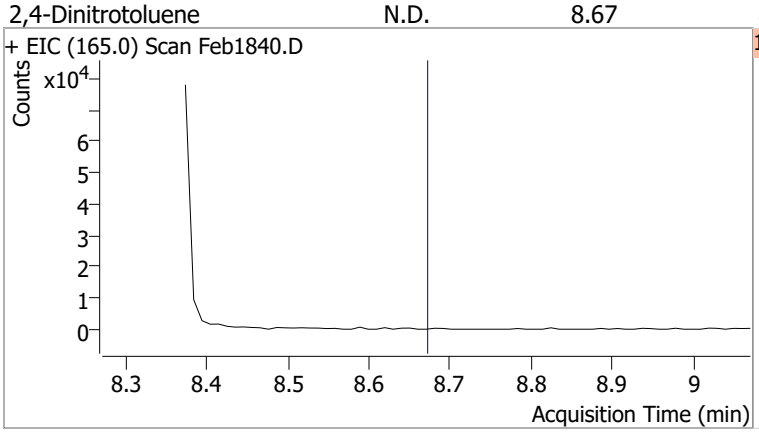


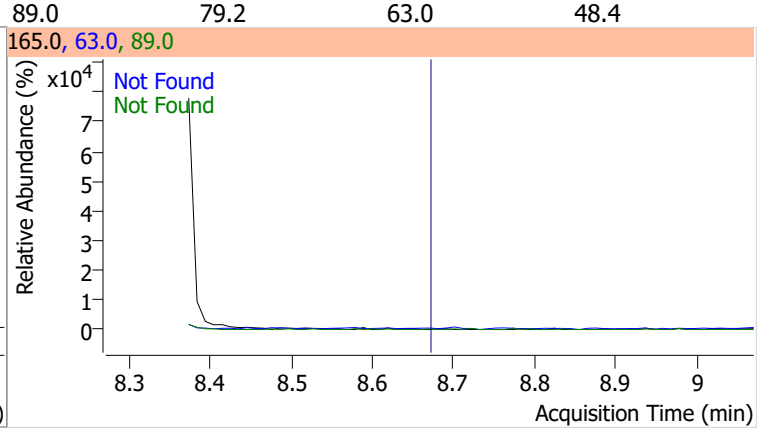
Compound	Conc.	Exp RT	QIon	Exp Ratio
Dibenzofuran	N.D.	8.63	139.0	37.5



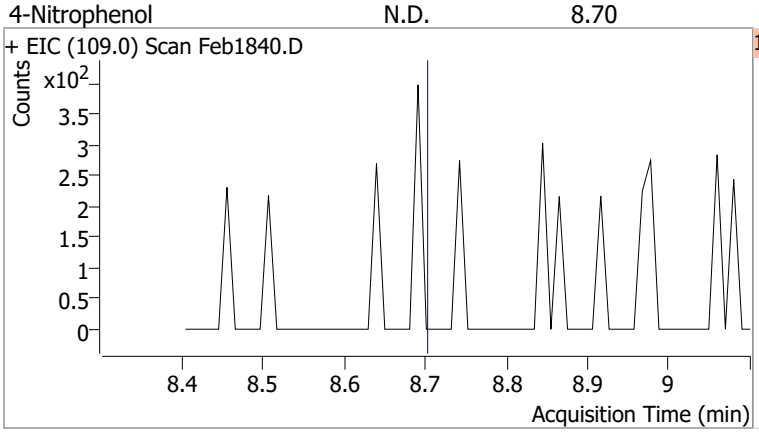


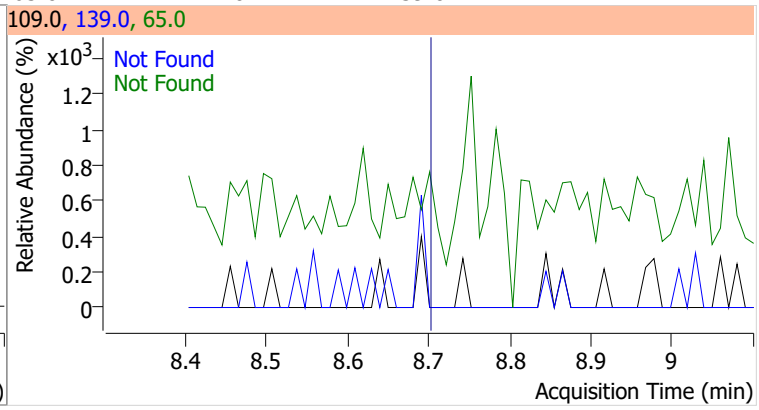
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
2,4-Dinitrotoluene	N.D.	8.67	89.0	79.2	63.0	48.4



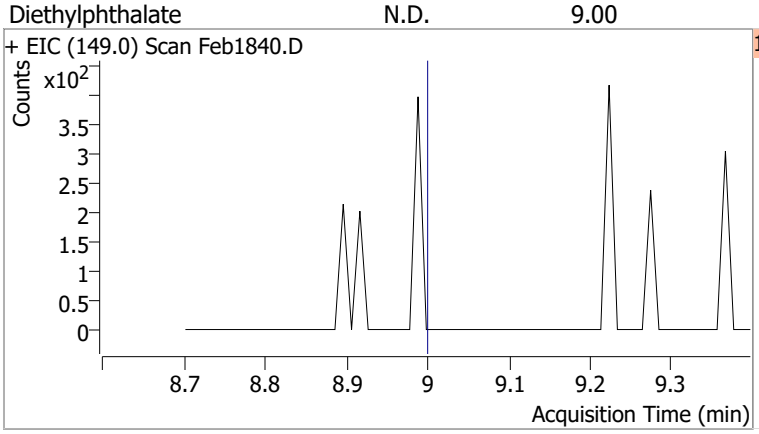


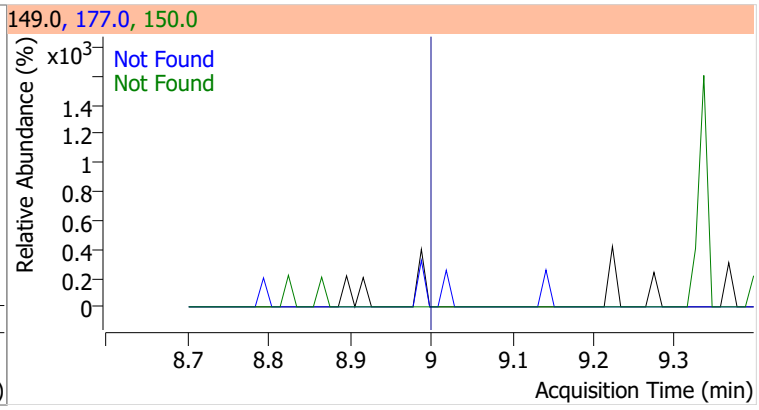
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitrophenol	N.D.	8.70	65.0	72.0	139.0	71.1



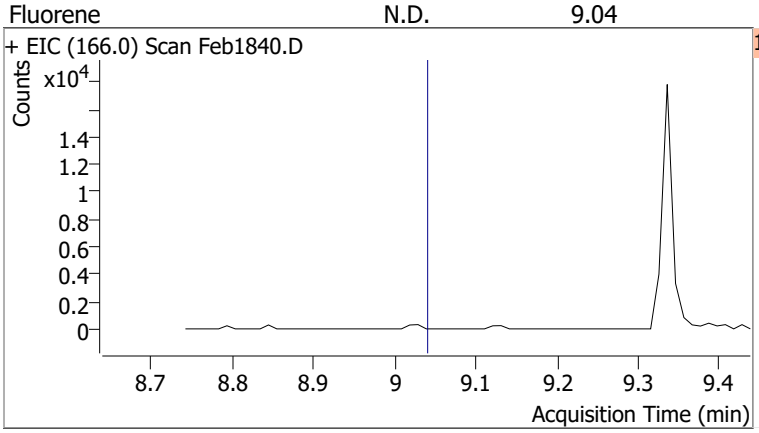


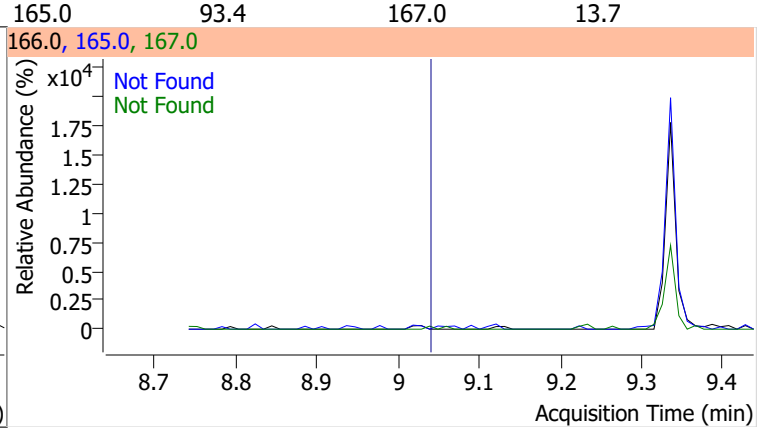
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Diethylphthalate	N.D.	9.00	177.0	20.7	150.0	12.5



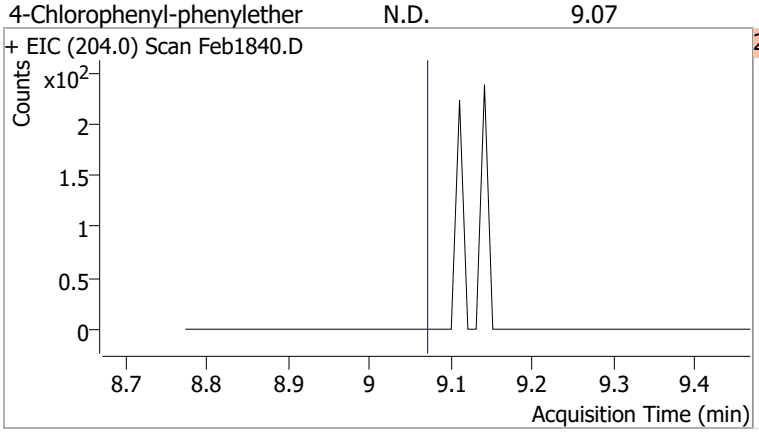


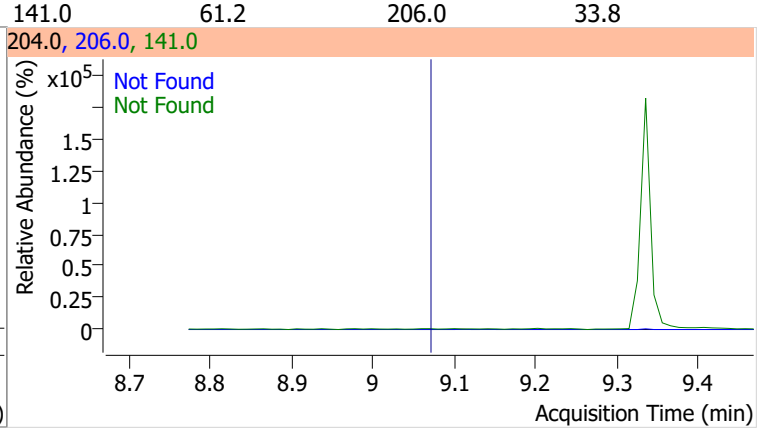
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Fluorene	N.D.	9.04	165.0	93.4	167.0	13.7



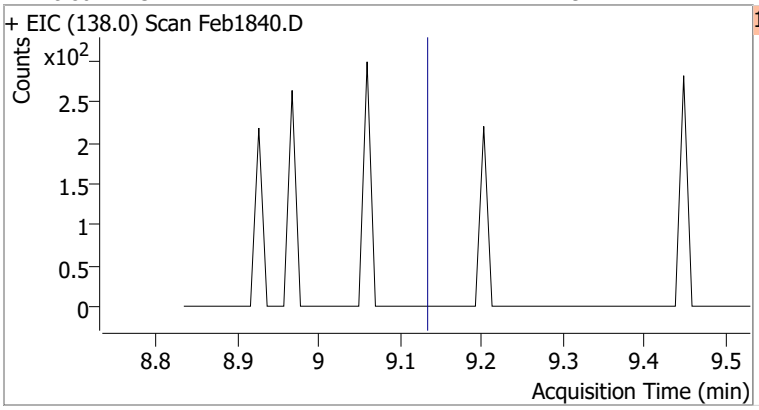


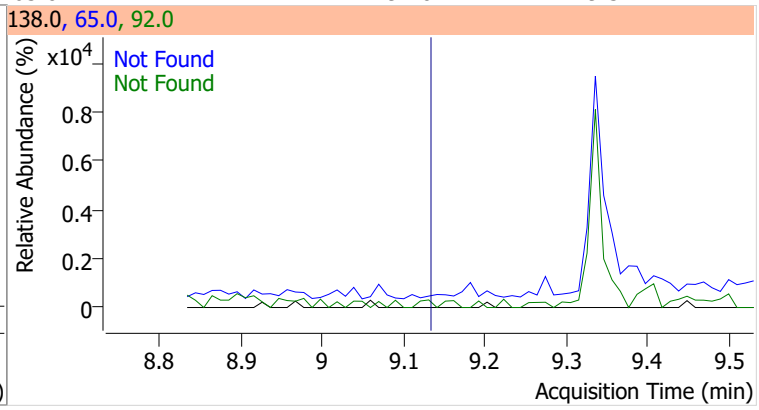
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Chlorophenyl-phenylether	N.D.	9.07	141.0	61.2	206.0	33.8



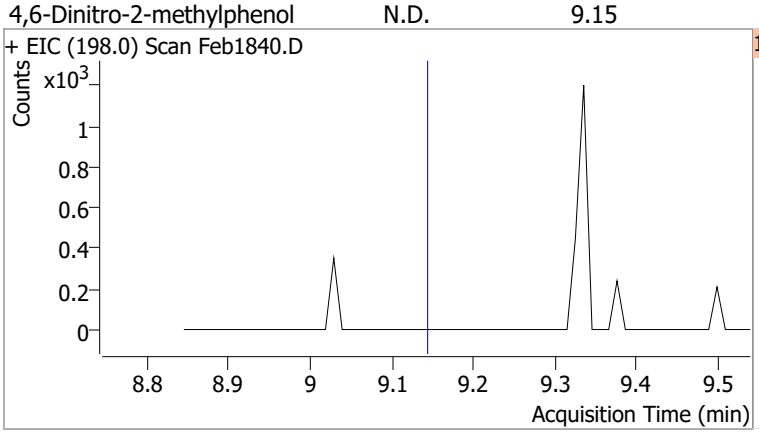


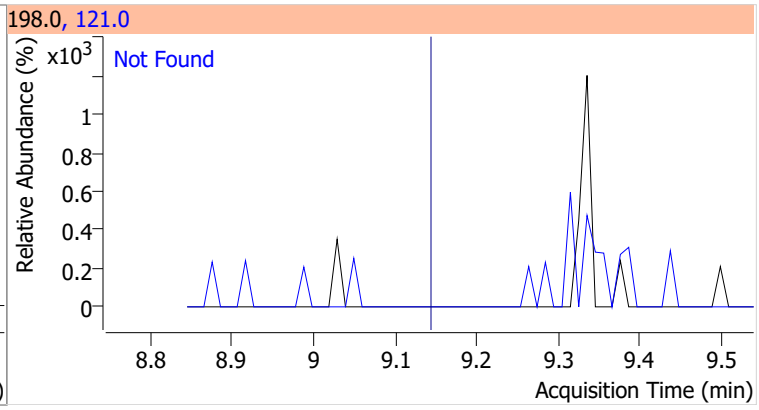
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Nitroaniline	N.D.	9.14	65.0	112.7	92.0	49.3



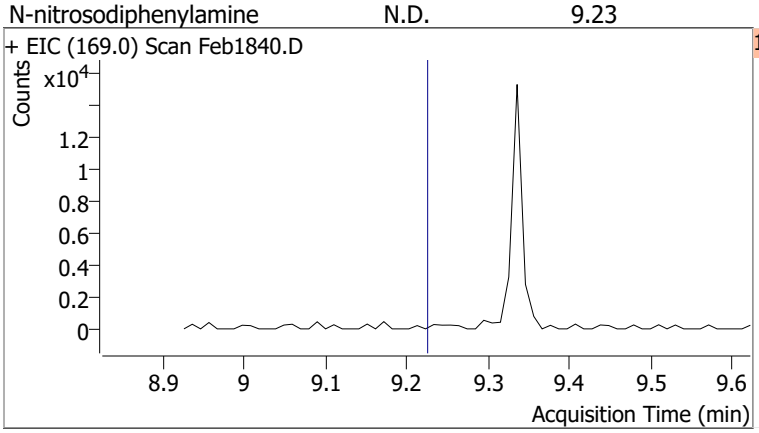


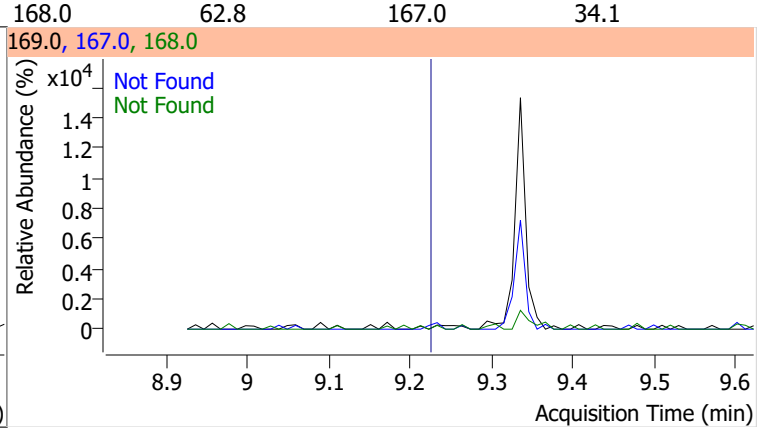
Compound	Conc.	Exp RT	QIon	Exp Ratio
4,6-Dinitro-2-methylphenol	N.D.	9.15	121.0	50.2



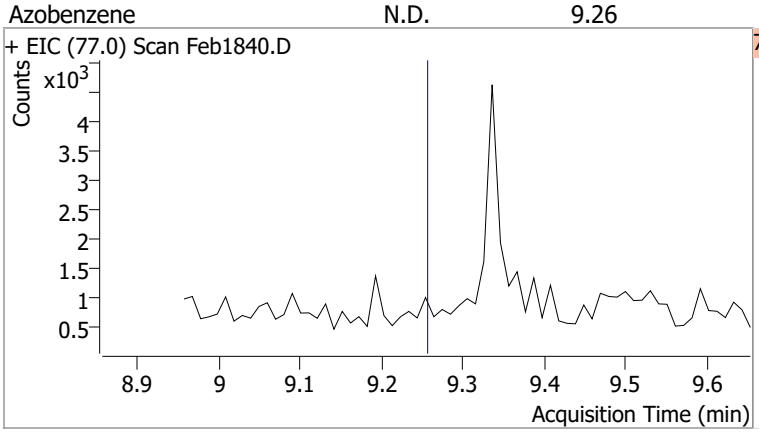


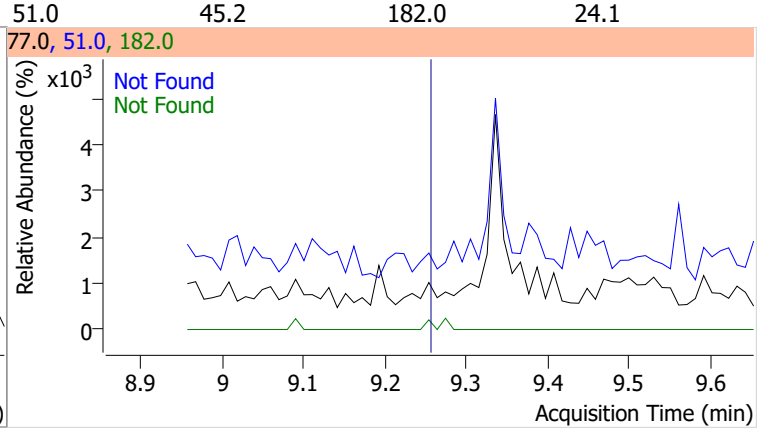
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
N-nitrosodiphenylamine	N.D.	9.23	168.0	62.8	167.0	34.1





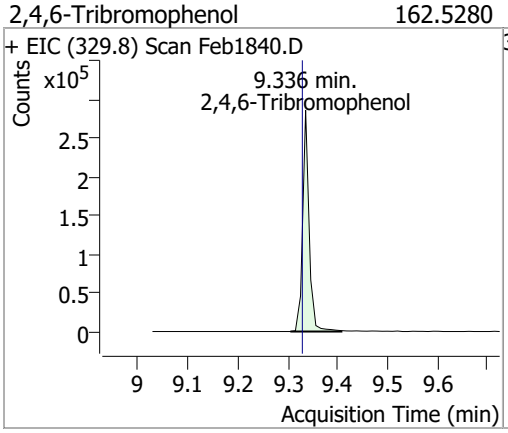
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Azobenzene	N.D.	9.26	51.0	45.2	182.0	24.1

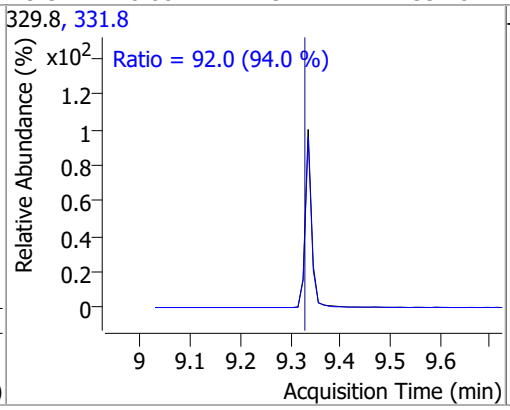


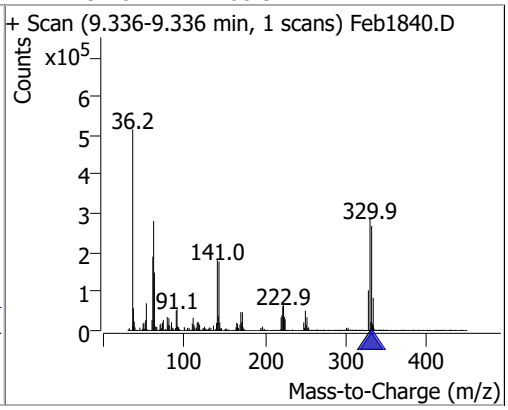


Quantitation Results Report (QT Reviewed)

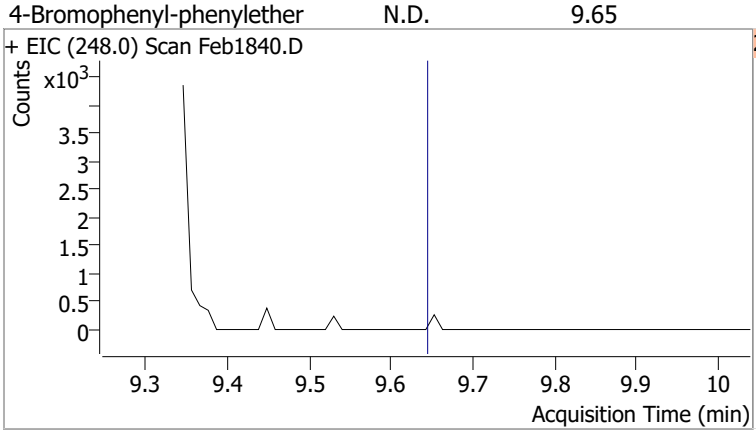
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	162.5280	9.34	0.00	257411	331.8	92.0	68.5	127.2

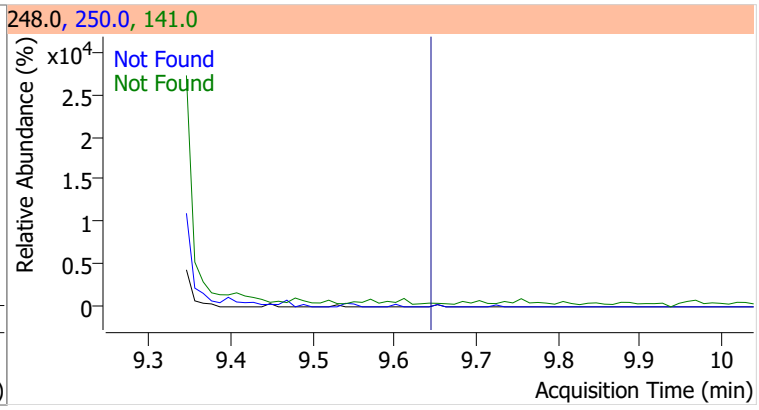




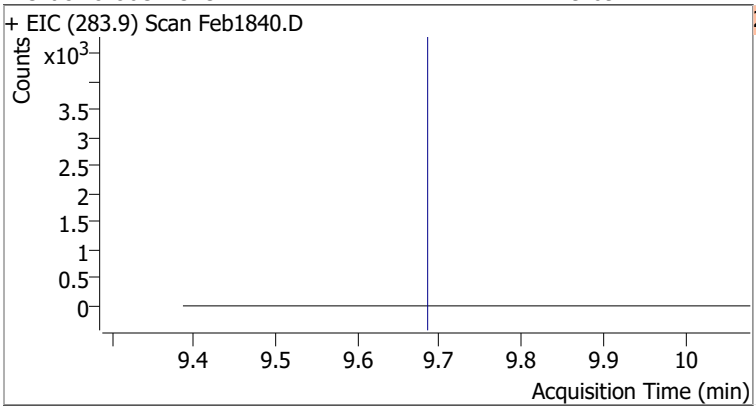


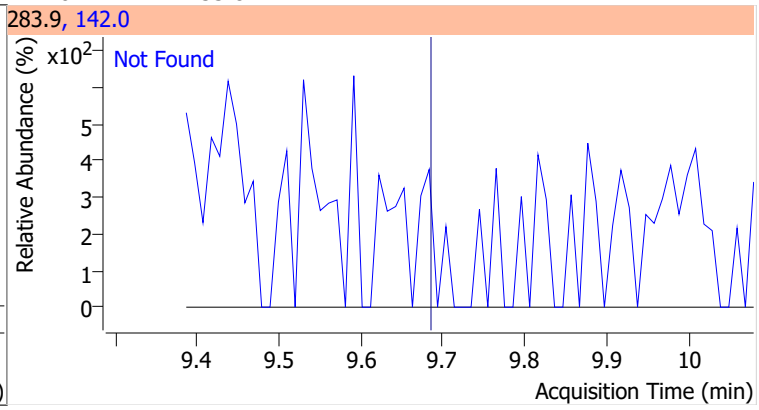
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
4-Bromophenyl-phenylether	N.D.	9.65	141.0	98.8	250.0	98.2



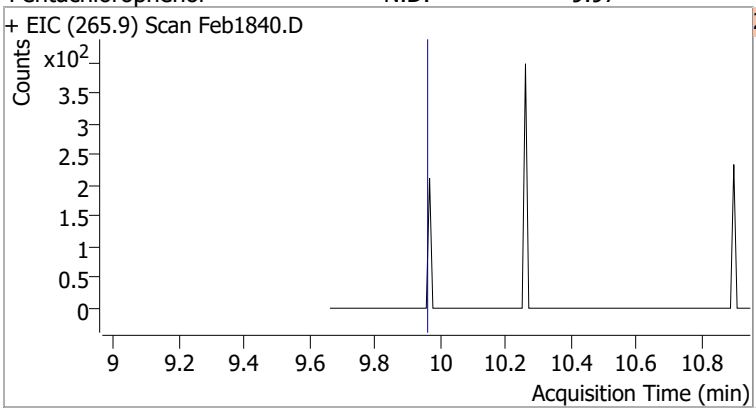


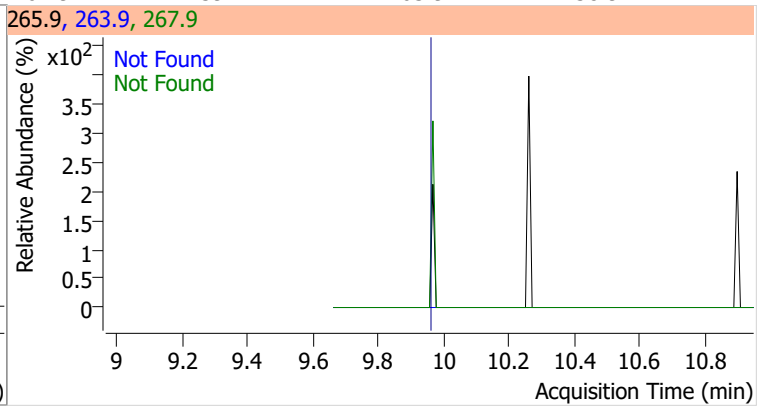
Compound	Conc.	Exp RT	QIon	Exp Ratio
Hexachlorobenzene	N.D.	9.69	142.0	53.8



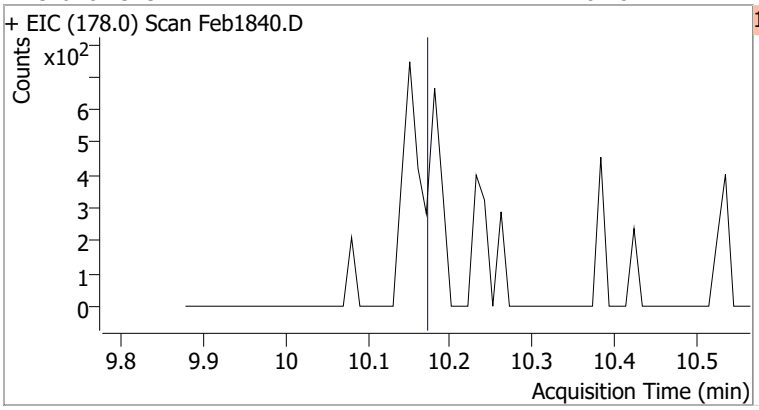


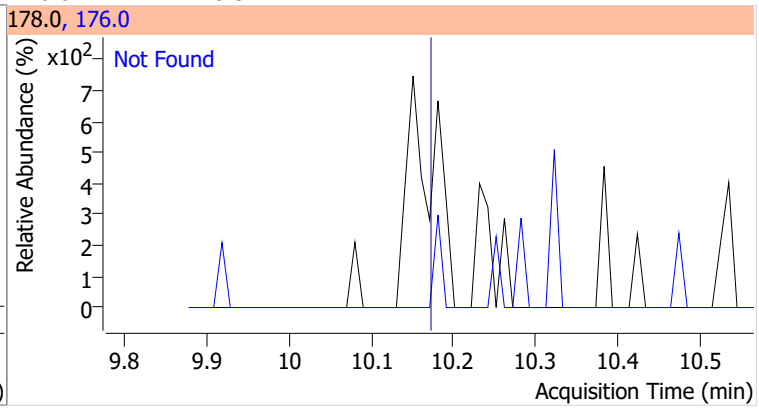
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Pentachlorophenol	N.D.	9.97	267.9	59.4	263.9	58.9



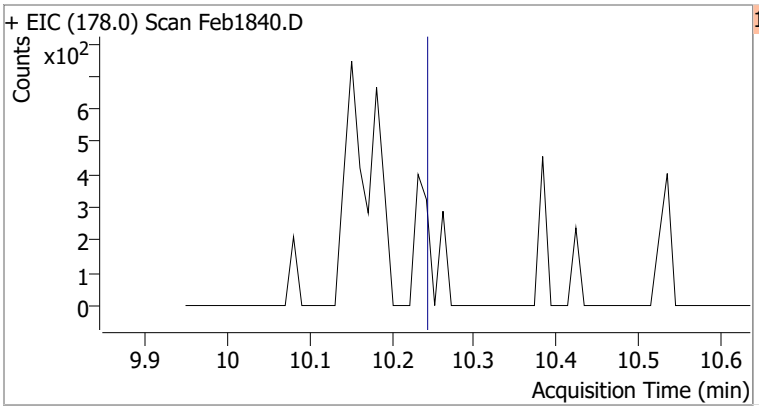


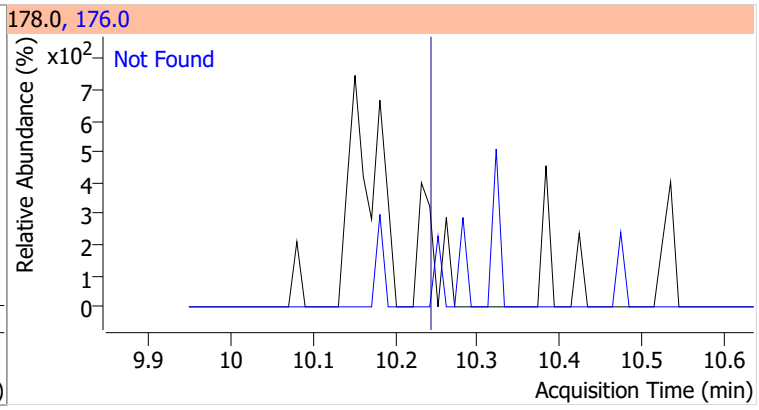
Compound	Conc.	Exp RT	QIon	Exp Ratio
Phenanthrene	N.D.	10.18	176.0	18.5



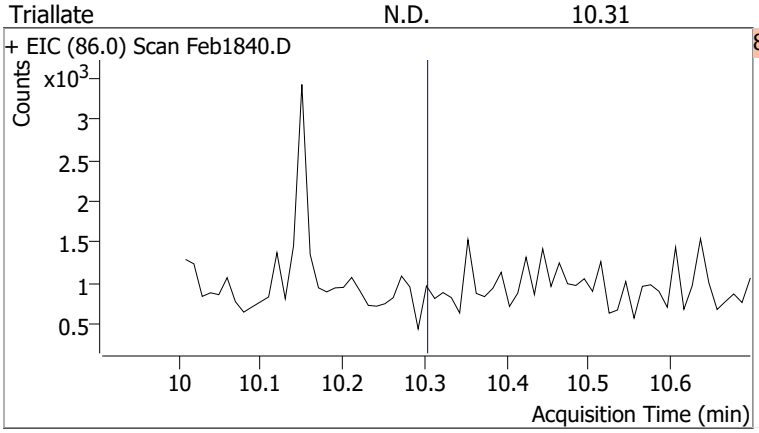


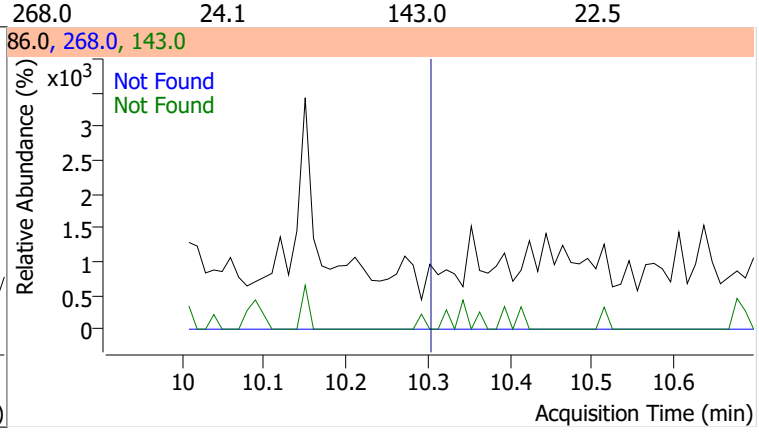
Compound	Conc.	Exp RT	QIon	Exp Ratio
Anthracene	N.D.	10.25	176.0	18.4



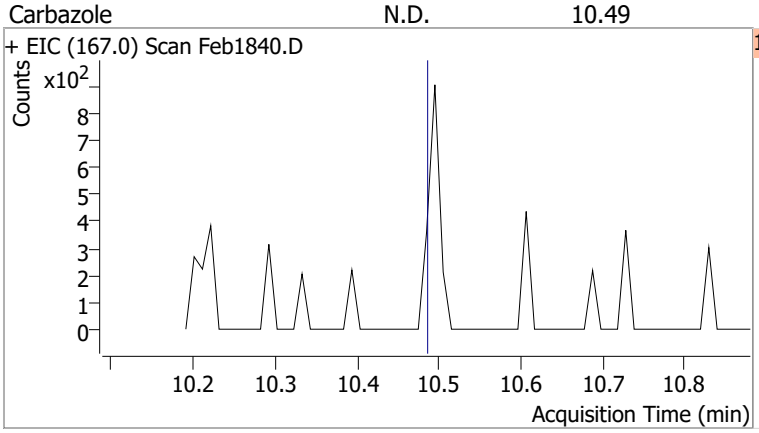


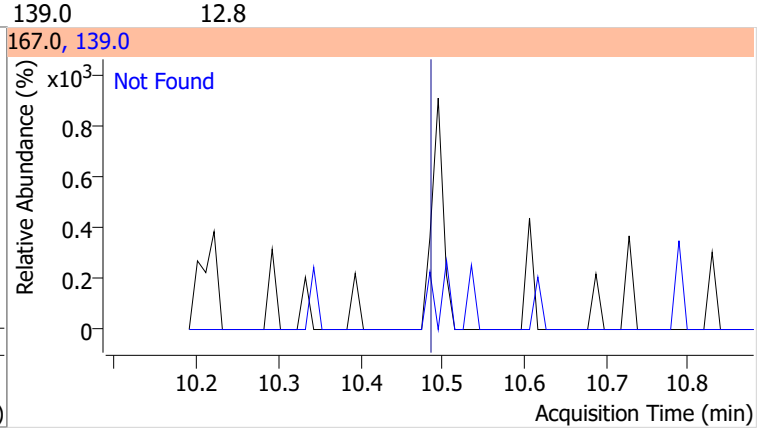
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Triallate	N.D.	10.31	268.0	24.1	143.0	22.5



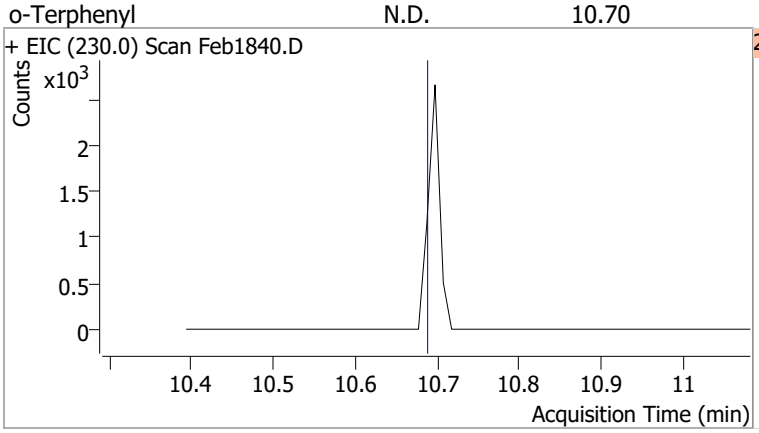


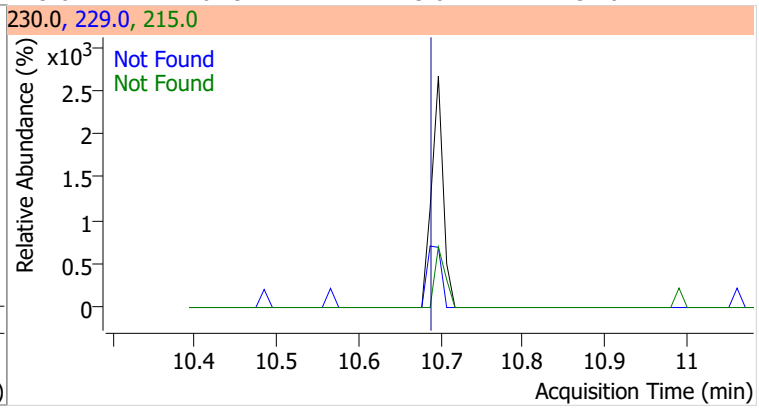
Compound	Conc.	Exp RT	QIon	Exp Ratio
Carbazole	N.D.	10.49	139.0	12.8



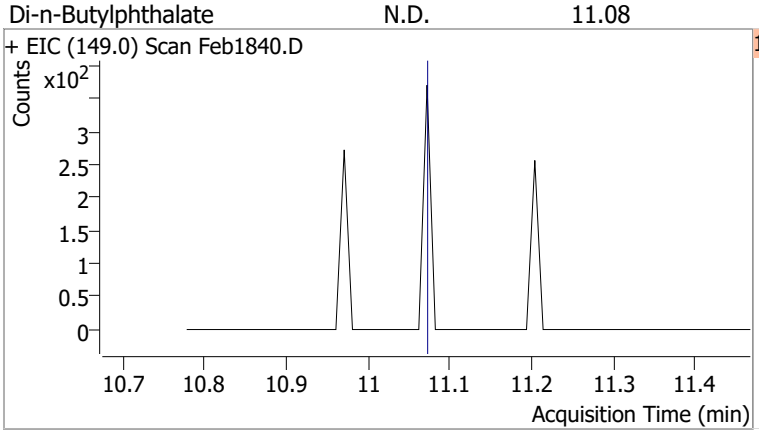


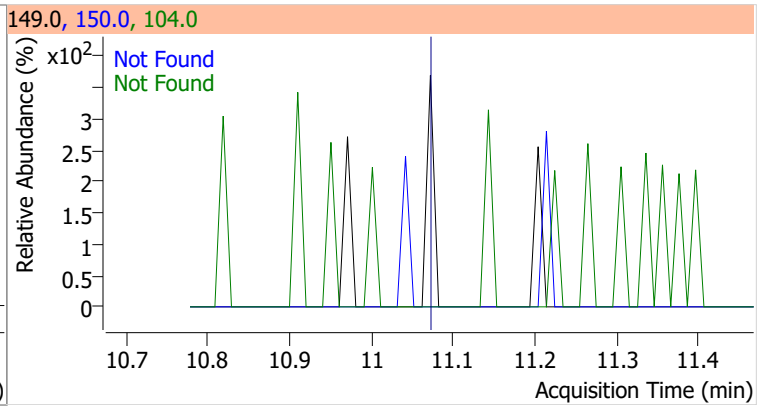
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
o-Terphenyl	N.D.	10.70	229.0	64.9	215.0	37.0



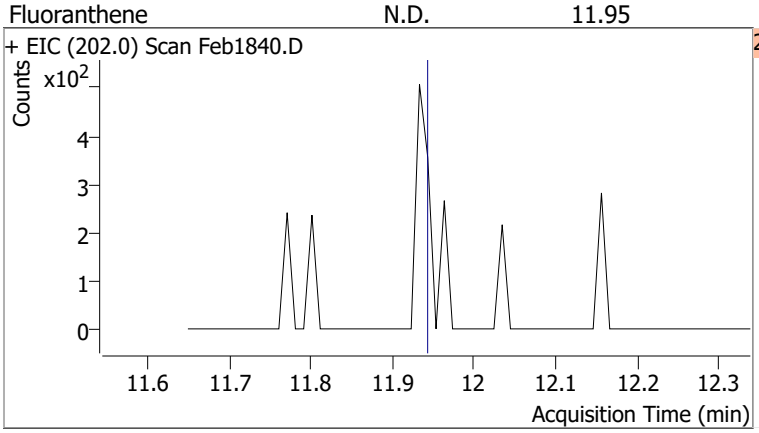


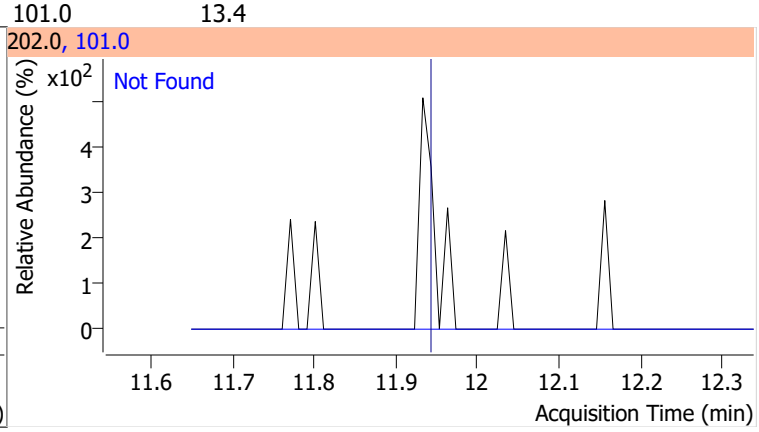
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Di-n-Butylphthalate	N.D.	11.08	150.0	9.1	104.0	6.4



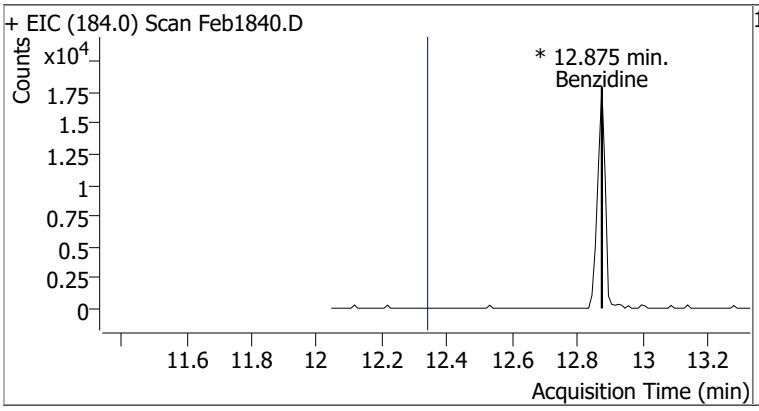


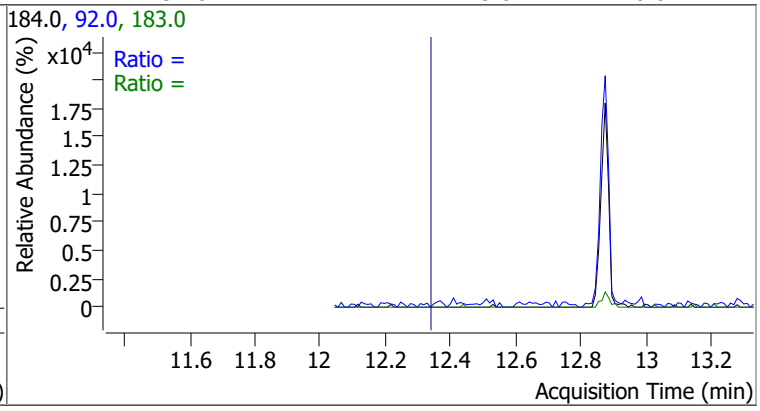
Compound	Conc.	Exp RT	QIon	Exp Ratio
Fluoranthene	N.D.	11.95	101.0	13.4



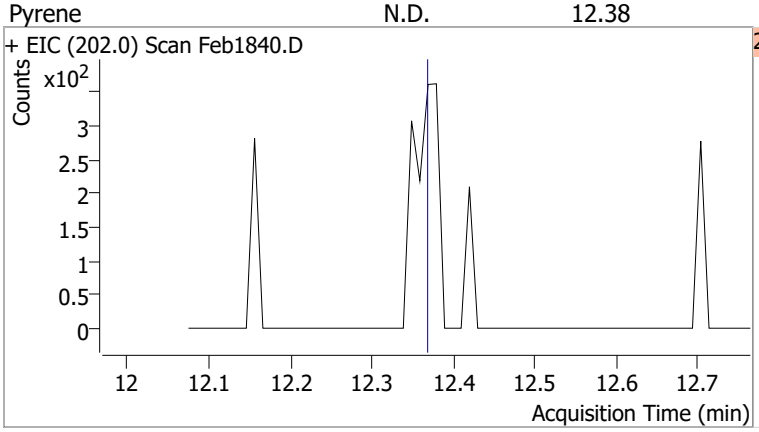


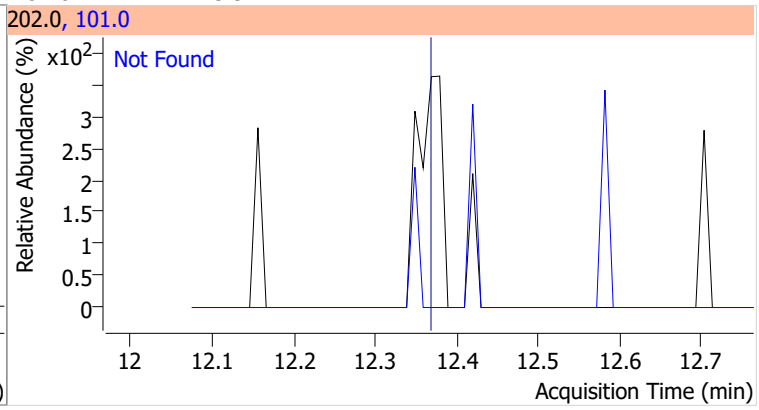
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine		0		0	183.0		8.3	15.4
					92.0		5.8	10.8



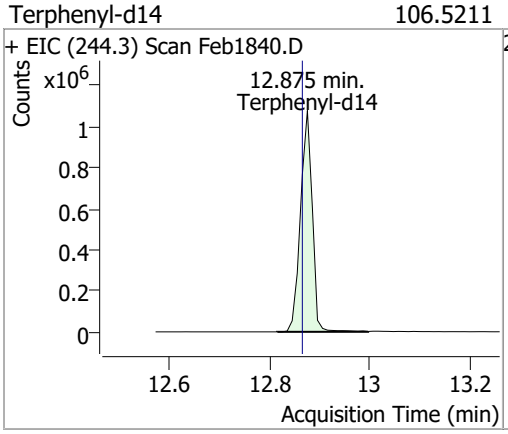


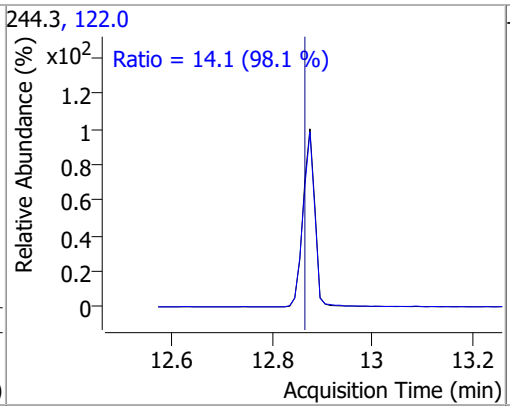
Compound	Conc.	Exp RT	QIon	Exp Ratio
Pyrene	N.D.	12.38	101.0	15.9

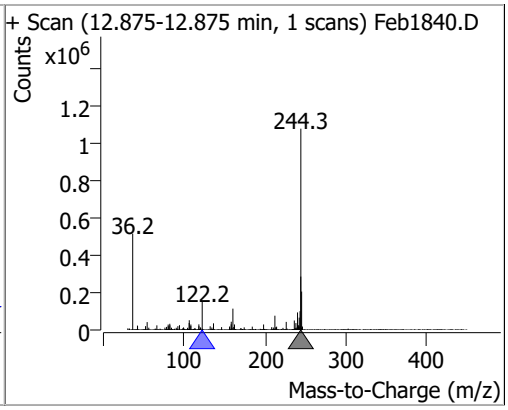




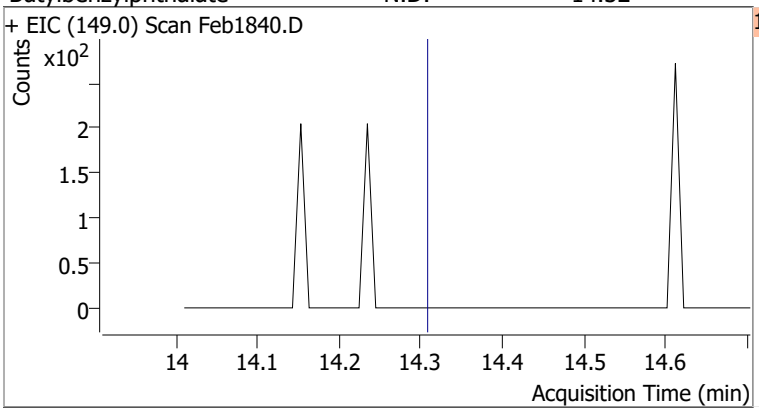
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	106.5211	12.88	0.00	1763249	122.0	14.1	10.1	18.7

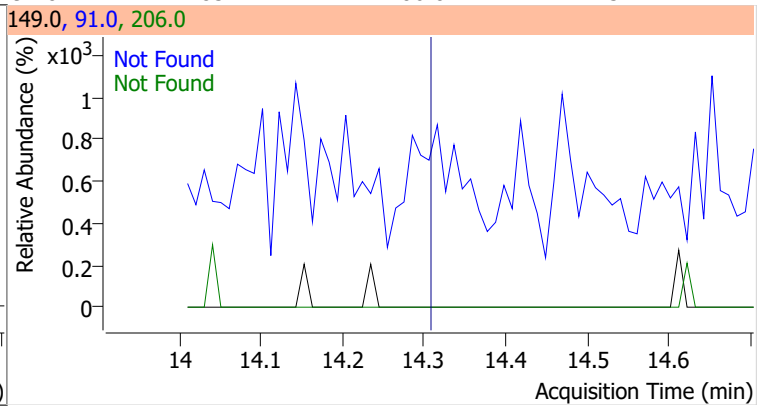




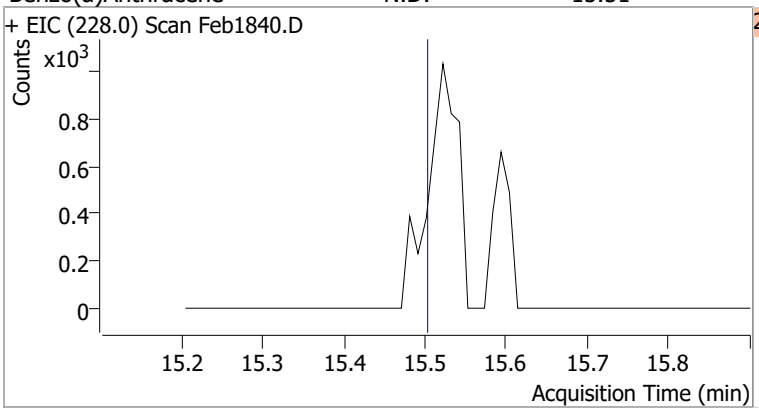


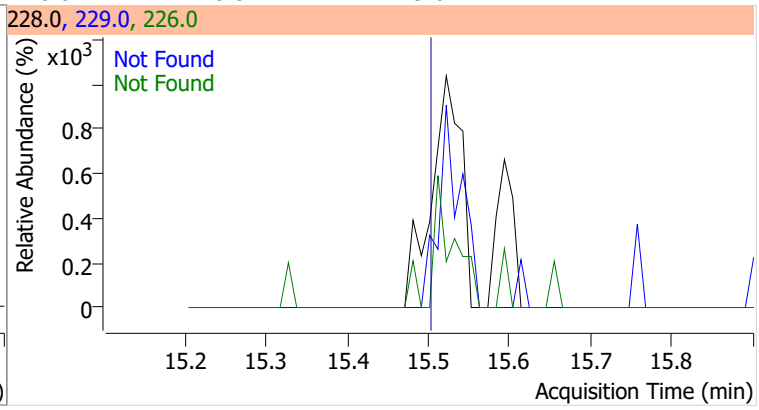
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Butylbenzylphthalate	N.D.	14.32	91.0	85.1	206.0	17.5



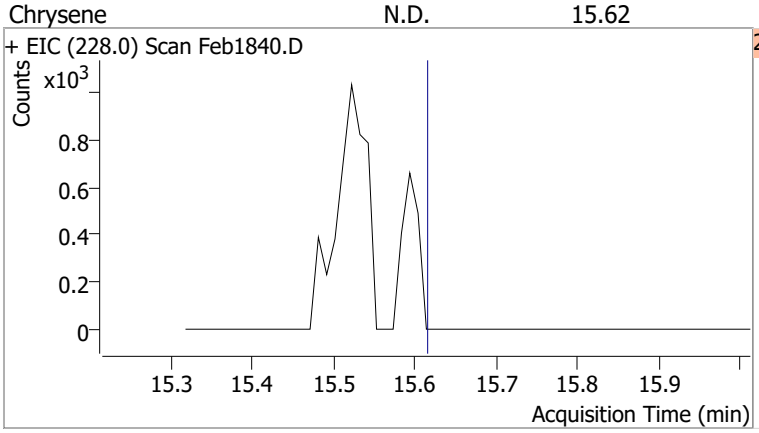


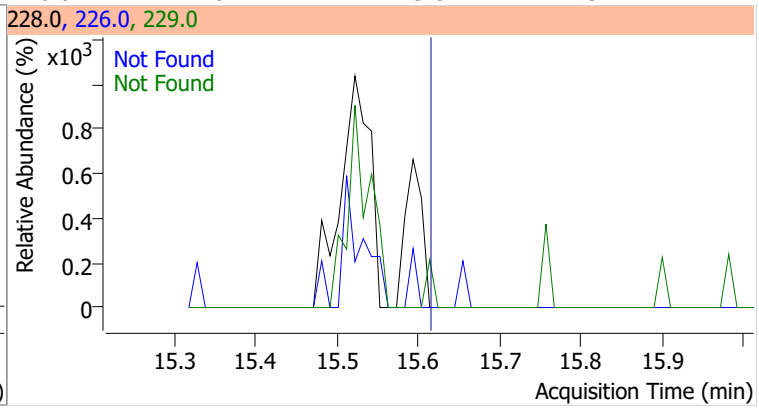
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(a)Anthracene	N.D.	15.51	226.0	26.8	229.0	21.1



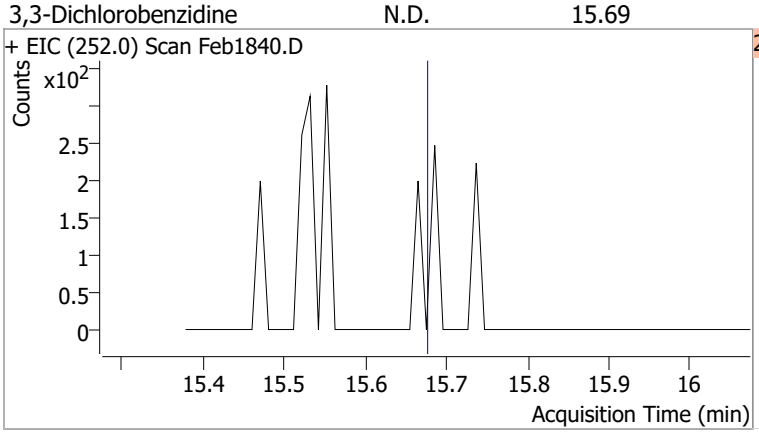


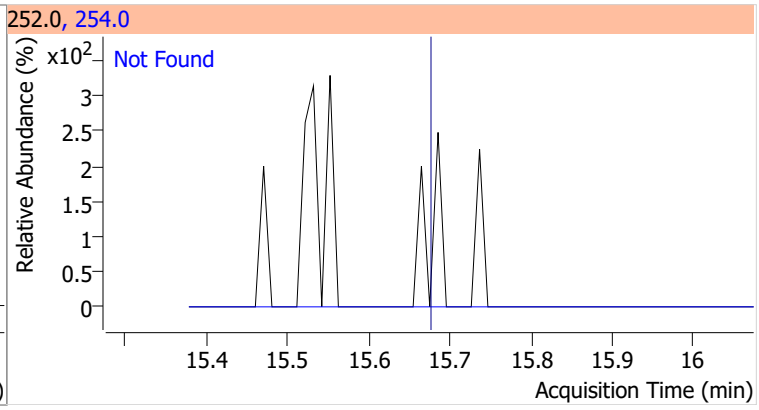
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Chrysene	N.D.	15.62	226.0	28.4	229.0	19.7



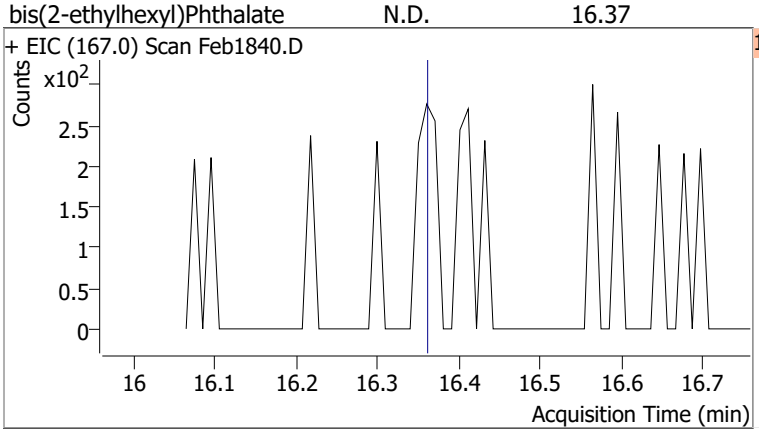


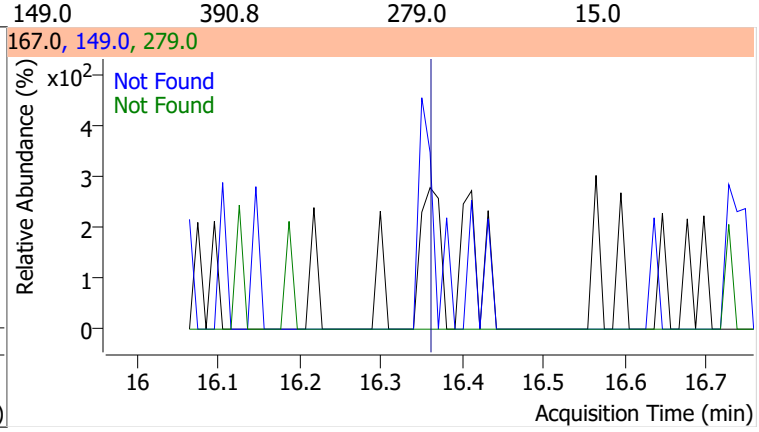
Compound	Conc.	Exp RT	QIon	Exp Ratio
3,3-Dichlorobenzidine	N.D.	15.69	254.0	64.2



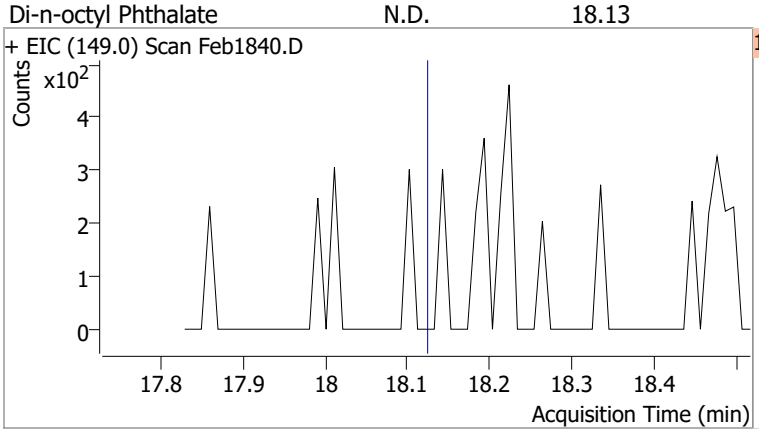


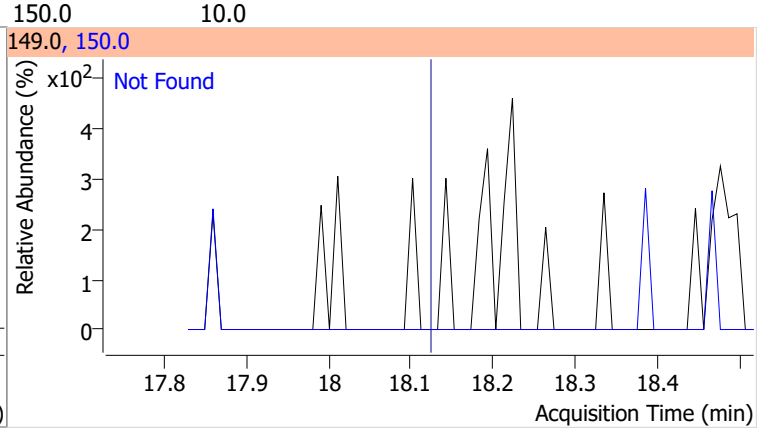
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
bis(2-ethylhexyl)Phthalate	N.D.	16.37	149.0	390.8	279.0	15.0



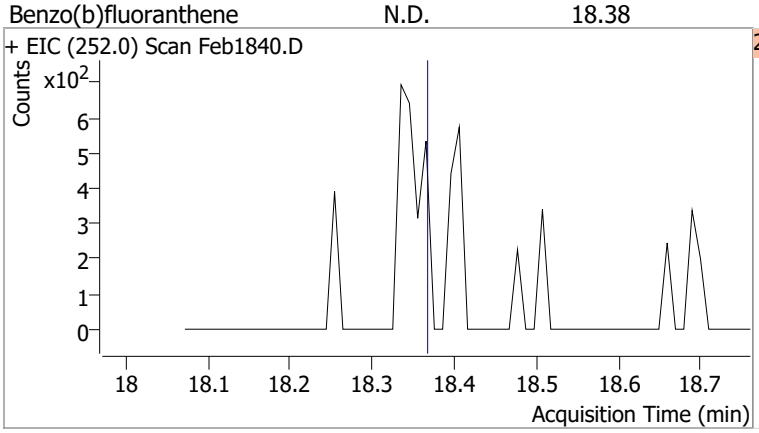


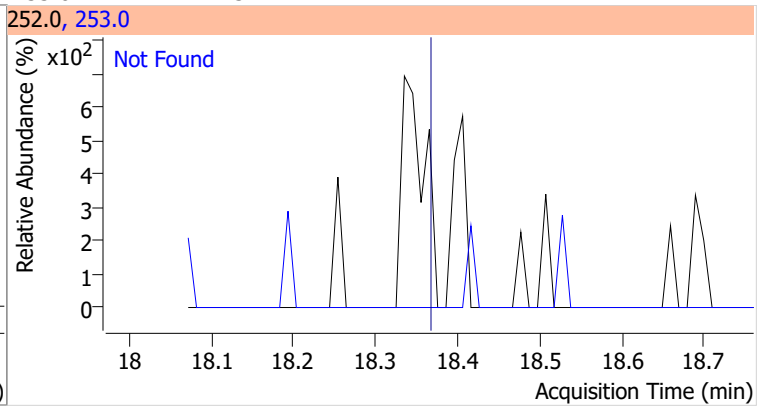
Compound	Conc.	Exp RT	QIon	Exp Ratio
Di-n-octyl Phthalate	N.D.	18.13	150.0	10.0



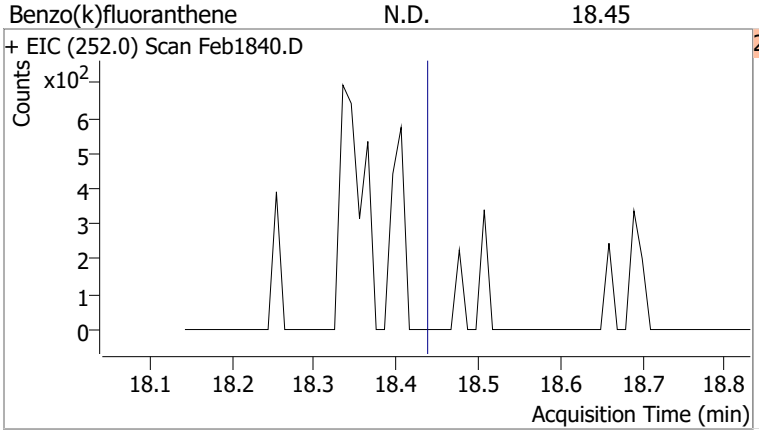


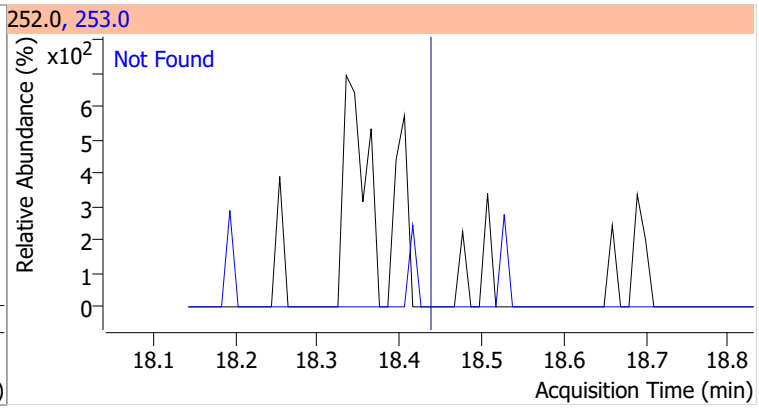
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(b)fluoranthene	N.D.	18.38	253.0	22.3



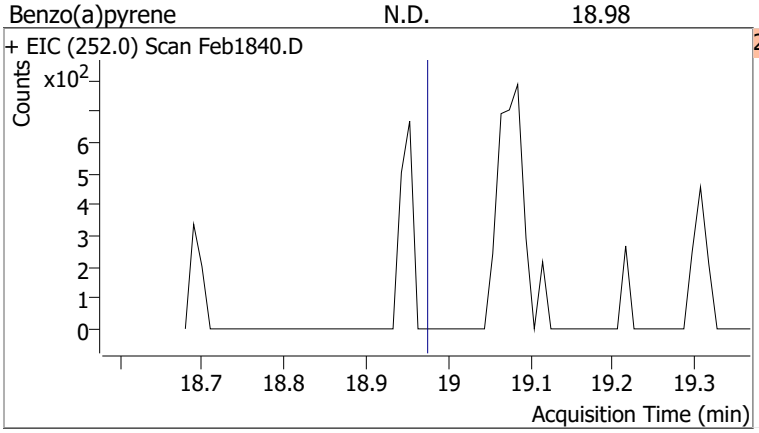


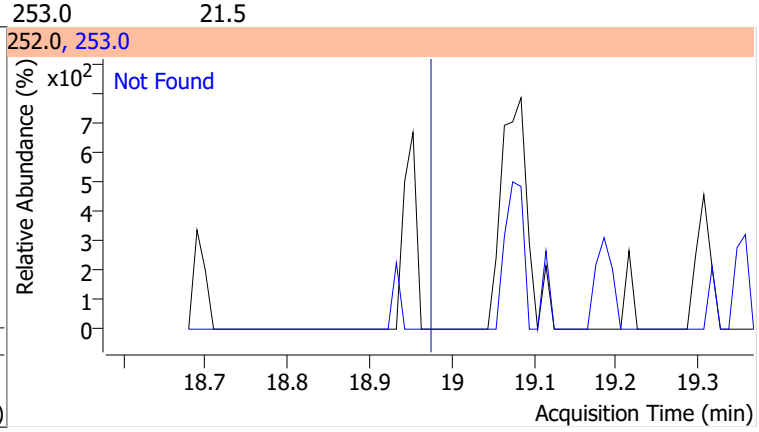
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(k)fluoranthene	N.D.	18.45	253.0	22.0



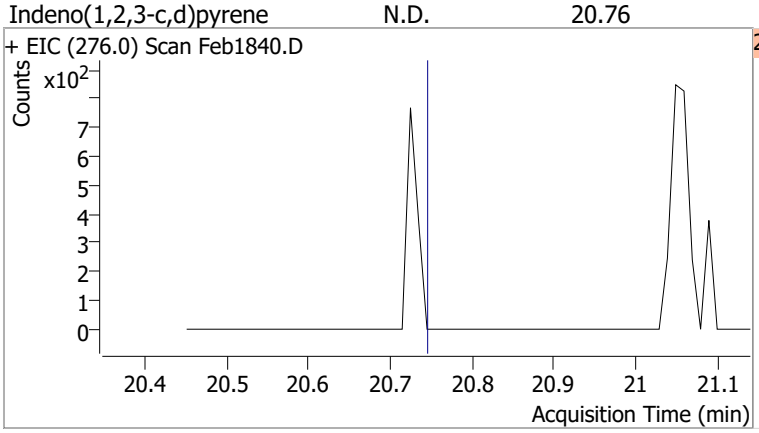


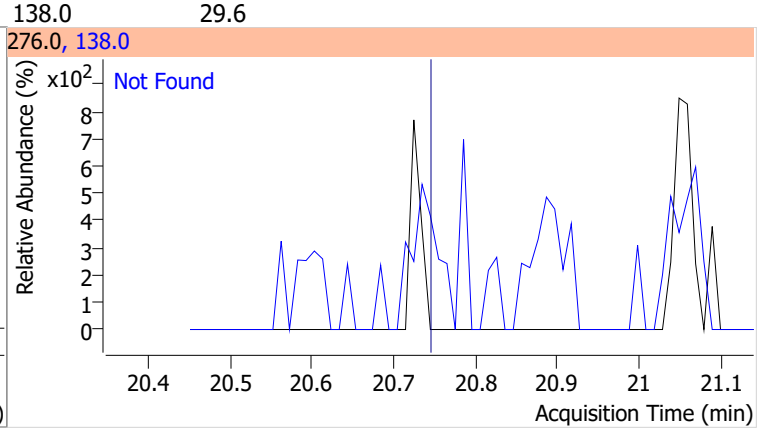
Compound	Conc.	Exp RT	QIon	Exp Ratio
Benzo(a)pyrene	N.D.	18.98	253.0	21.5



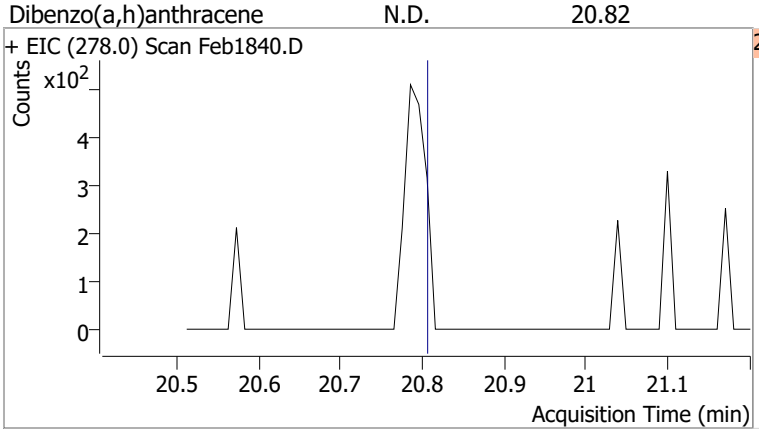


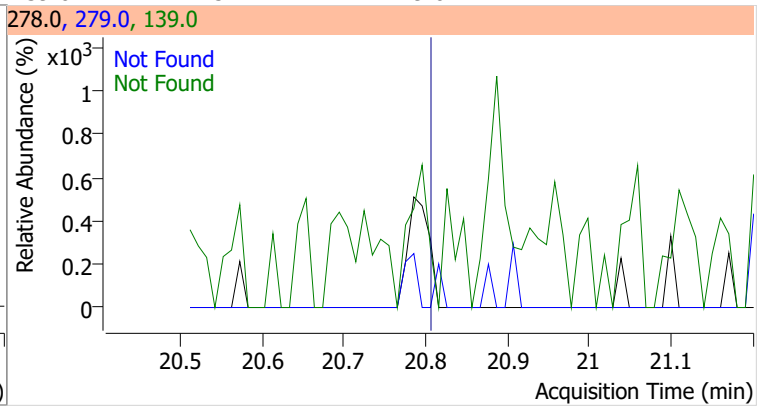
Compound	Conc.	Exp RT	QIon	Exp Ratio
Indeno(1,2,3-c,d)pyrene	N.D.	20.76	138.0	29.6



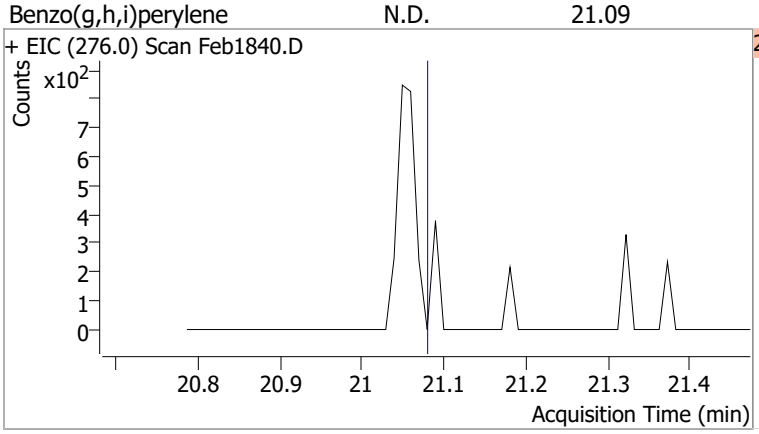


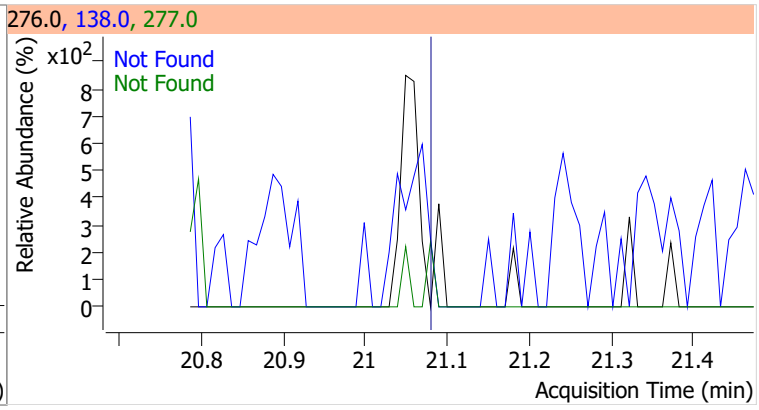
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Dibenzo(a,h)anthracene	N.D.	20.82	139.0	25.2	279.0	24.1





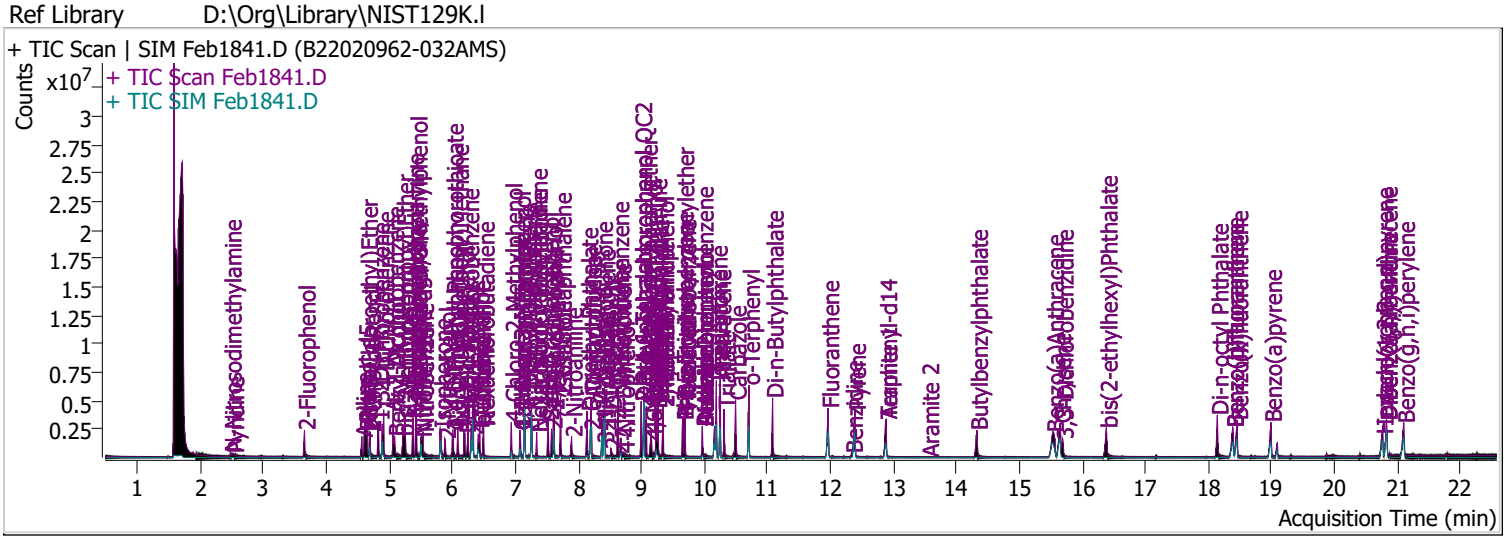
Compound	Conc.	Exp RT	QIon	Exp Ratio	QIon	Exp Ratio
Benzo(g,h,i)perylene	N.D.	21.09	138.0	33.0	277.0	23.2





Quantitation Results Report (QT Reviewed)

Data File	Feb1841.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/20/2022 5:21:26 AM
Sample Name	B22020962-032AMS	Instrument	Instrument #1
Vial	41	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



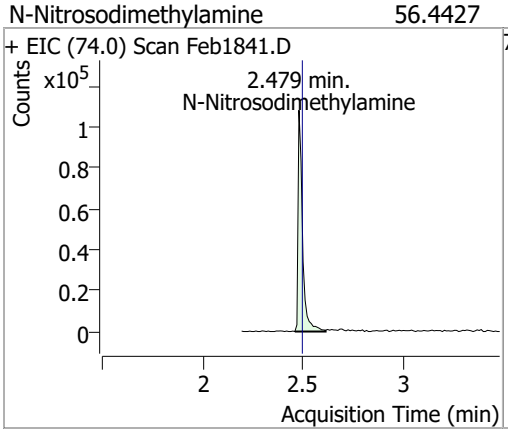
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	795291	78.9131	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 39.46%			
S Phenol-d5	4.613	99.0	1016738	78.5551	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 39.28%			
S Nitrobenzene-d5	5.502	82.0	546446	75.7331	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 75.73%			
S 2-Fluorobiphenyl	7.605	172.0	1617590	82.7584	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 82.76%			
S 2,4,6-Tribromophenol	9.346	329.8	373369	187.7617	µg/L		0.010
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 93.88%			
S Terphenyl-d14	12.885	244.3	2031418	102.6868	µg/L		0.010
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 102.69%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.479	74.0	166615	56.4427	µg/L		86
T Pyridine	2.520	79.0	251579	33.9137	µg/L		97
T Aniline	4.562	93.0	736521	39.7535	µg/L	m	98
T Phenol	4.624	94.0	664855	46.4842	µg/L		93
T bis(-2-Chloroethyl)Ether	4.644	63.0	712043	73.0373	µg/L		96
T 2-Chlorophenol	4.695	128.0	786683	68.1070	µg/L		100
T 1,3-Dichlorobenzene	4.828	146.0	945695	63.4100	µg/L		99
T 1,4-Dichlorobenzene	4.910	146.0	945704	62.6526	µg/L	m	99
T 1,2-Dichlorobenzene	5.063	146.0	949458	65.4686	µg/L	m	100
T Benzyl Alcohol	5.083	108.0	345444	61.7020	µg/L		100
T bis(2-chloroisopropyl)Ether	5.216	121.0	262155	67.2985	µg/L		99
T 2-Methylphenol	5.247	107.0	756357	75.5170	µg/L		95
T N-nitroso-Di-n-propylamine	5.379	70.0	717658	101.6679	µg/L		97
T 4Methylphenol/3Methylphenol	5.430	107.0	983251	71.8890	µg/L		99
T Hexachloroethane	5.420	117.0	281132	64.0555	µg/L		95

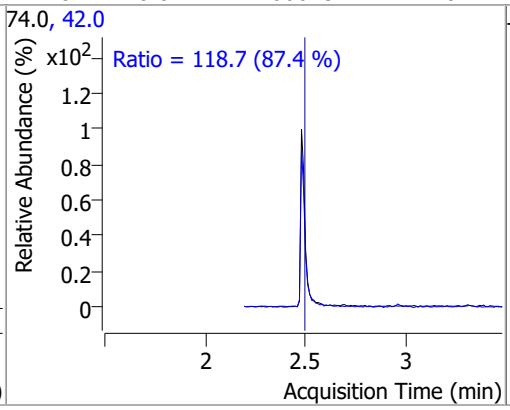
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.533	123.1	301151	82.9070	µg/L		97
T Isophorone	5.808	82.0	1455713	87.6174	µg/L		98
T 2-Nitrophenol	5.880	139.0	341141	89.7779	µg/L		98
T 2,4-Dimethylphenol	6.003	122.0	603030	78.1417	µg/L		99
T bis(-2-Chloroethoxy)Methane	6.085	93.0	781965	80.8099	µg/L		98
T 2,4-Dichlorophenol	6.188	162.0	605852	82.0408	µg/L		97
T Benzoic Acid	6.198	105.0	105320	31.2280	µg/L		90
T 1,2,4-Trichlorobenzene	6.249	180.0	656635	74.0857	µg/L		98
T Naphthalene	6.331	128.0	2201583	84.3410	µg/L		99
T 4-Chlorophenol	6.414	130.0	209993	75.9295	µg/L		97
T p-Chloroaniline	6.434	127.0	689873	66.7464	µg/L		96
T Hexachlorobutadiene	6.496	224.9	327046	71.3426	µg/L		96
T 4-Chloro-2-Methylphenol	6.937	107.0	585319	85.9023	µg/L	m	98
T 4-Chloro-3-Methylphenol	7.071	107.0	647611	90.7287	µg/L	m	96
T 2-Methylnaphthalene	7.143	141.0	1258517	84.3067	µg/L		100
T 1-Methylnaphthalene	7.256	141.0	1152826	79.3557	µg/L		98
T Hexachlorocyclopentadiene	7.338	236.9	207570	75.4382	µg/L		98
T 2,4,6-Trichlorophenol	7.523	196.0	475893	97.9130	µg/L		99
T 2,4,5-Trichlorophenol	7.574	196.0	476609	88.1927	µg/L		92
T 2-Chloronaphthalene	7.718	162.0	1412114	86.0532	µg/L		97
T 2-Nitroaniline	7.892	65.0	290888	98.4328	µg/L		96
T Dimethyl Phthalate	8.139	163.0	1762781	104.3791	µg/L		100
T 2,6-Dinitrotoluene	8.190	165.0	200549	88.2438	µg/L		90
T Acenaphthylene	8.200	152.1	2170210	82.7322	µg/L		99
T 3-Nitroaniline	8.395	138.0	209601	81.2248	µg/L		99
T Acenaphthene	8.415	154.0	1354856	90.7768	µg/L		99
T 2,4-Dinitrophenol	8.517	184.0	111707	93.5543	µg/L		92
T Dibenzofuran	8.630	168.0	2228794	91.6571	µg/L		97
T 2,4-Dinitrotoluene	8.671	165.0	275454	94.7094	µg/L		97
T 4-Nitrophenol	8.722	109.0	100217	38.6023	µg/L		95
T Diethylphthalate	8.998	149.0	1682845	96.5039	µg/L		99
T Fluorene	9.039	166.0	1731520	88.0023	µg/L		100
T 4-Chlorophenyl-phenylether	9.080	204.0	915985	101.9069	µg/L		99
T 4-Nitroaniline	9.152	138.0	266372	95.2528	µg/L		98
T 4,6-Dinitro-2-methylphenol	9.162	198.0	159796	92.5265	µg/L		99
T N-nitrosodiphenylamine	9.233	169.0	1285014	98.8831	µg/L		98
T Azobenzene	9.264	77.0	1552668	89.6532	µg/L		94
T 4-Bromophenyl-phenylether	9.663	248.0	496170	98.7859	µg/L		97
T Hexachlorobenzene	9.694	283.9	472829	95.0792	µg/L		84
T Pentachlorophenol	9.968	265.9	263916	106.5344	µg/L		93
T Phenanthrene	10.191	178.0	2597120	97.9726	µg/L		100
T Anthracene	10.252	178.0	2522503	99.4103	µg/L	m	99
T Triallate	10.313	86.0	574220	92.8873	µg/L		99
T Carbazole	10.495	167.0	2500184	96.8861	µg/L		99
T o-Terphenyl	10.708	230.0	1345987	94.6955	µg/L		99
T Di-n-Butylphthalate	11.083	149.0	2683804	104.8621	µg/L		99
T Fluoranthene	11.964	202.0	2611607	96.7888	µg/L		100
T Benzidine	12.338	184.0	254837	25.8912	µg/L		97
T Pyrene	12.389	202.0	2777957	94.6855	µg/L		99
T Butylbenzylphthalate	14.326	149.0	943594	102.4595	µg/L		97
T Benzo(a)Anthracene	15.532	228.0	2281378	100.4443	µg/L		99
T Chrysene	15.645	228.0	2426176	96.1450	µg/L		98
T 3,3-Dichlorobenzidine	15.686	252.0	642637	79.7772	µg/L		99
T bis(2-ethylhexyl)Phthalate	16.381	167.0	322524	101.5948	µg/L		98
T Di-n-octyl Phthalate	18.143	149.0	2329667	102.9086	µg/L		99

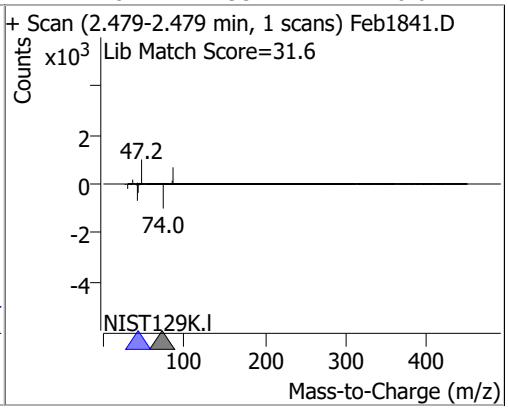
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.386	252.0	2192131	94.6933	µg/L	99
T Benzo(k)fluoranthene	18.457	252.0	2107471	85.8311	µg/L	99
T Benzo(a)pyrene	18.993	252.0	1943146	87.9541	µg/L	98
T Indeno(1,2,3-c,d)pyrene	20.765	276.0	1668374	90.1137	µg/L	96
T Dibenzo(a,h)anthracene	20.826	278.0	1950741	96.6373	µg/L	99
T Benzo(g,h,i)perylene	21.100	276.0	2021136	94.6836	µg/L	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

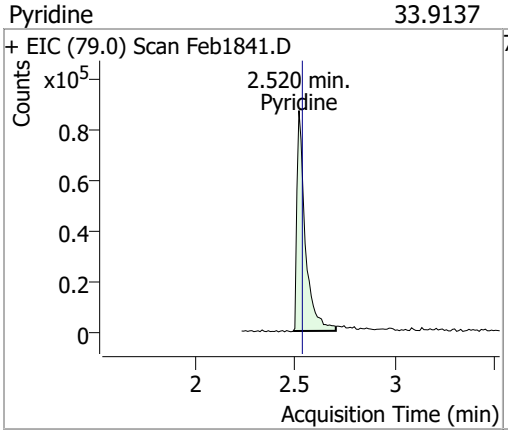
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	56.4427	2.48	-0.01	166615	42.0	118.7	95.1	176.6

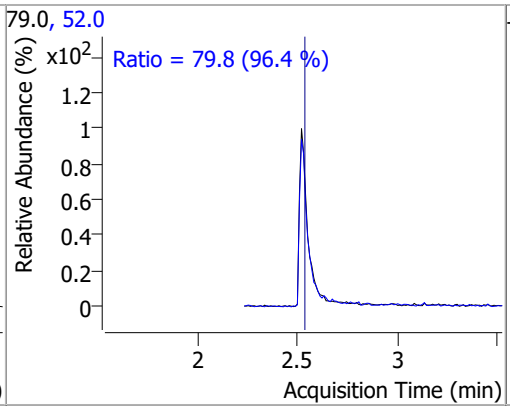


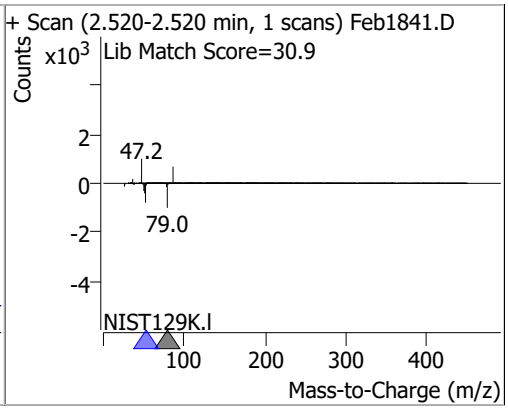




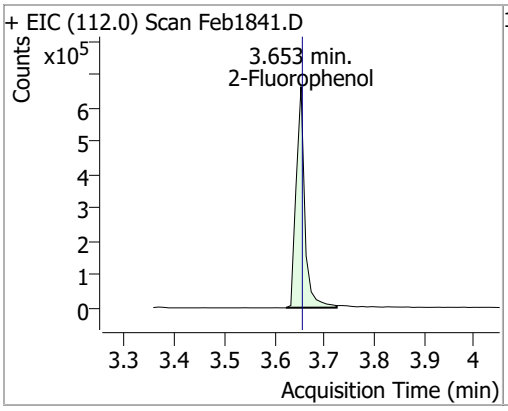
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	33.9137	2.52	-0.01	251579	52.0	79.8	57.9	107.6

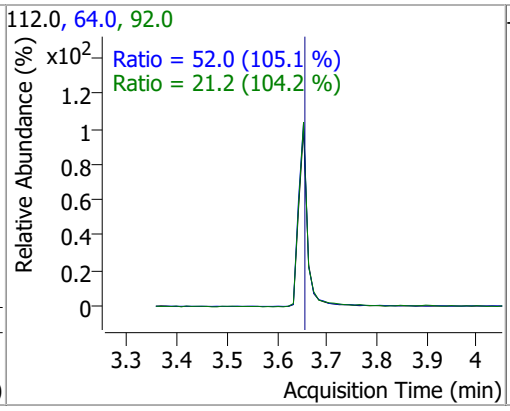


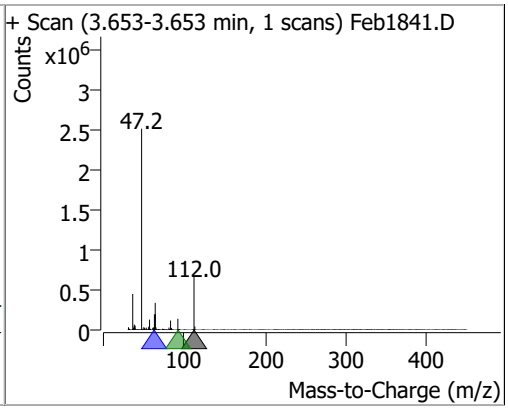




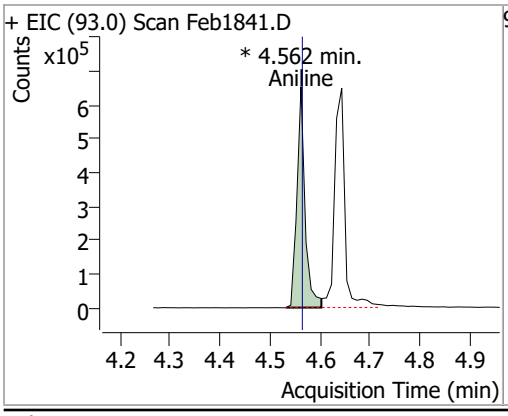
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	78.9131	3.65	0.00	795291	64.0	52.0	34.6	64.3
					92.0	21.2	14.2	26.5

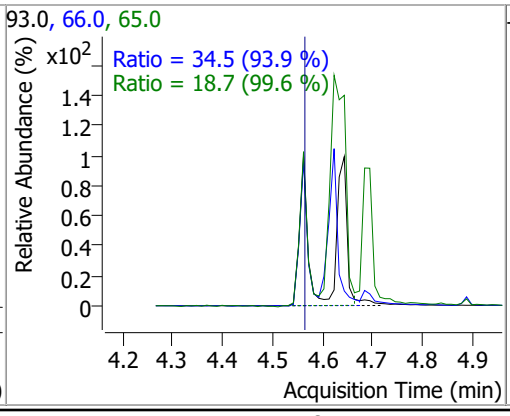


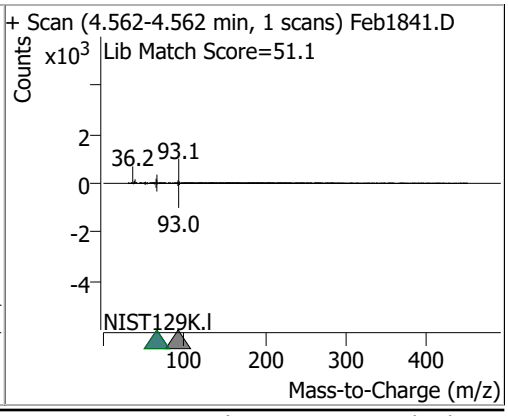




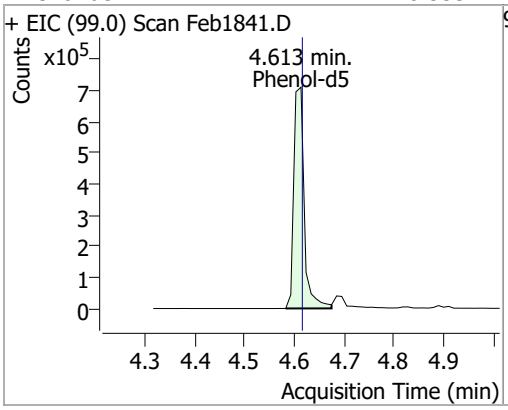
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	39.7535	4.56	0.00	736521 (m)	66.0	34.5	25.7	47.8
					65.0	18.7	13.1	24.4

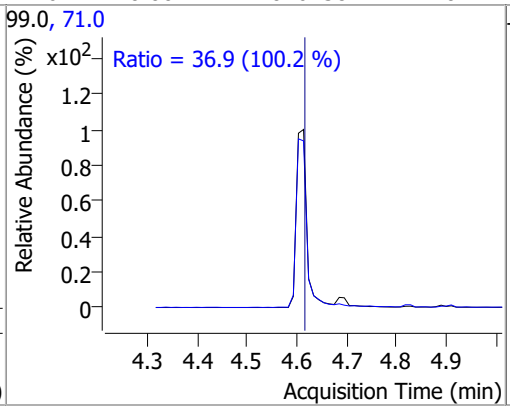


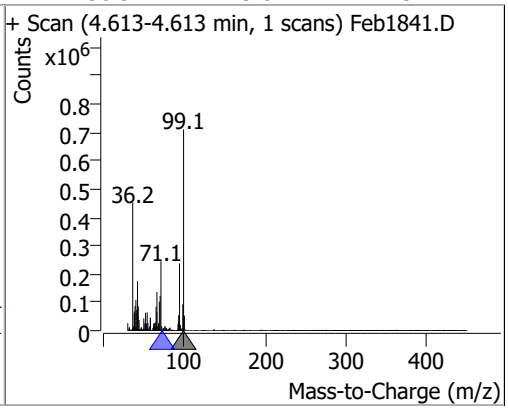




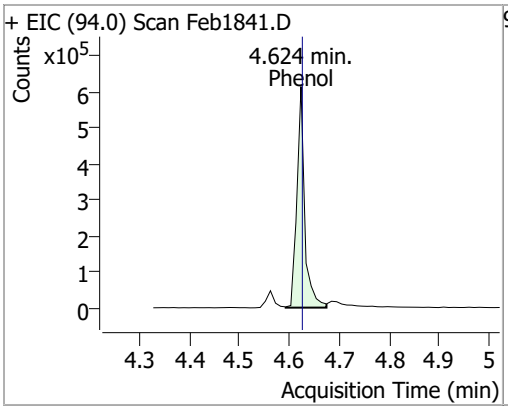
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	78.5551	4.61	0.00	1016738	71.0	36.9	25.8	47.9

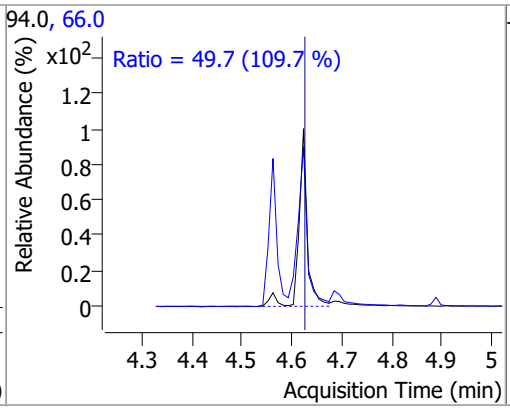


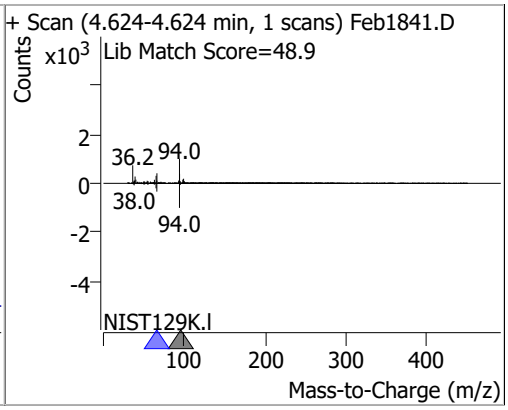




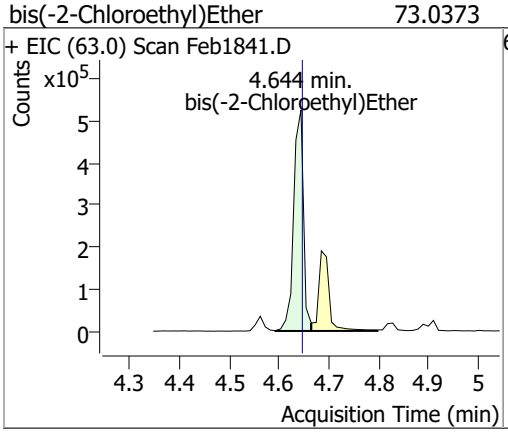
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	46.4842	4.62	0.00	664855	66.0	49.7	31.7	58.9

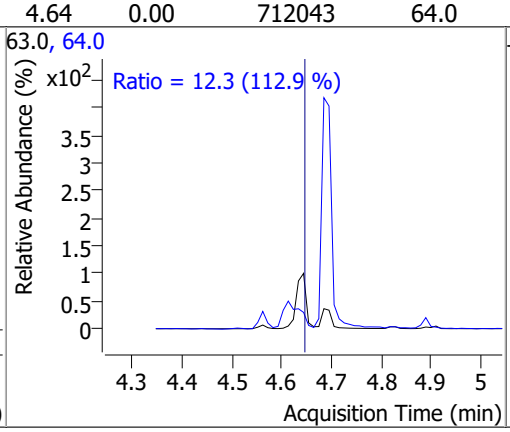


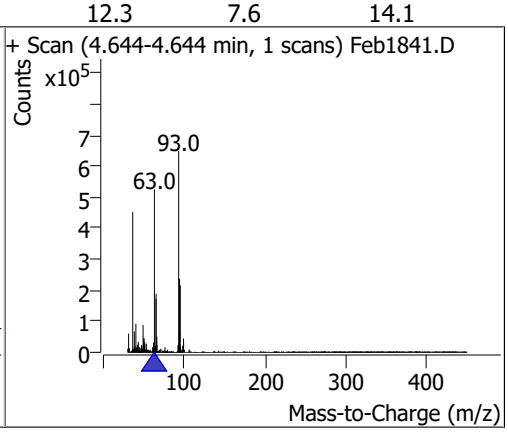




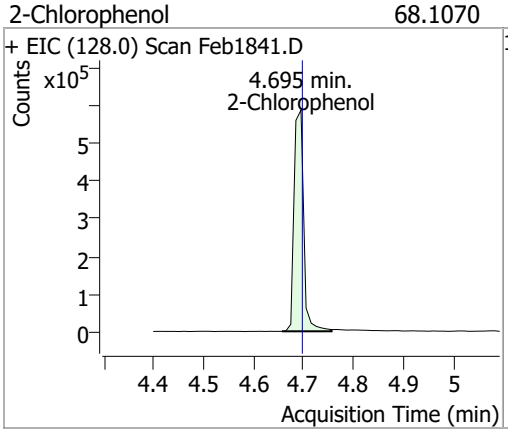
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	73.0373	4.64	0.00	712043	64.0	12.3	7.6	14.1

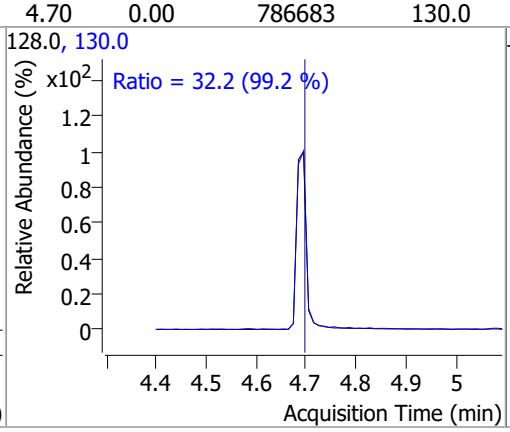


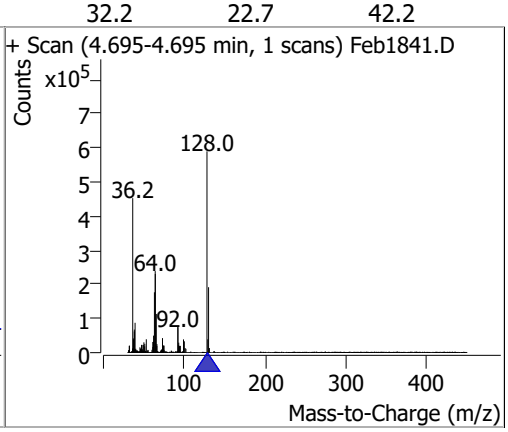




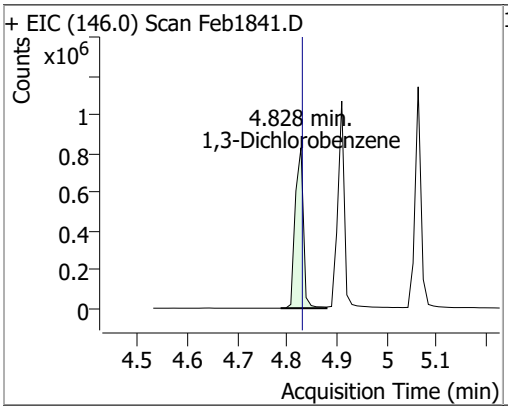
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	68.1070	4.70	0.00	786683	130.0	32.2	22.7	42.2

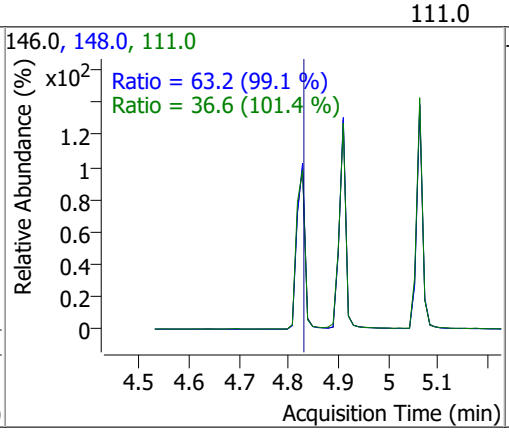


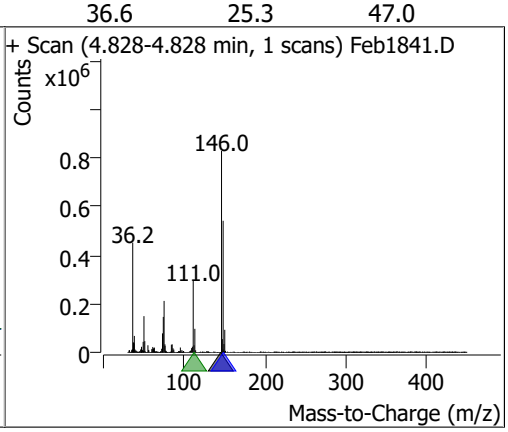




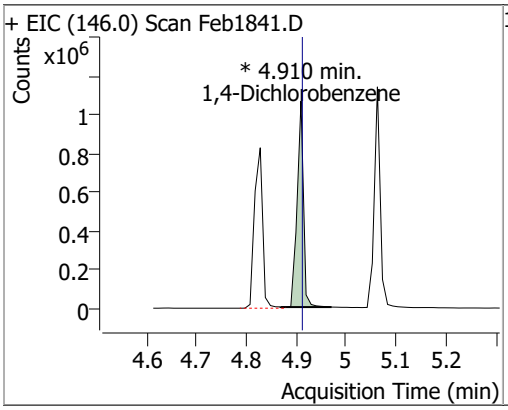
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	63.4100	4.83	0.00	945695	148.0	63.2	44.6	82.8
					111.0	36.6	25.3	47.0

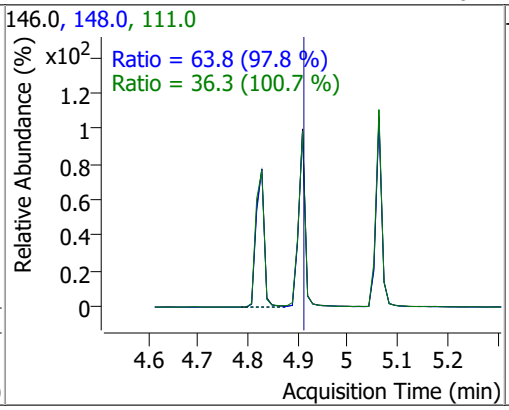


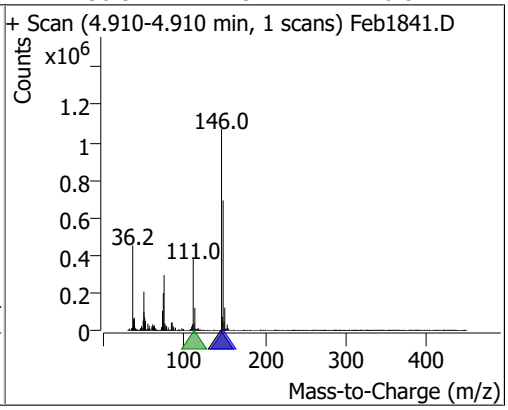




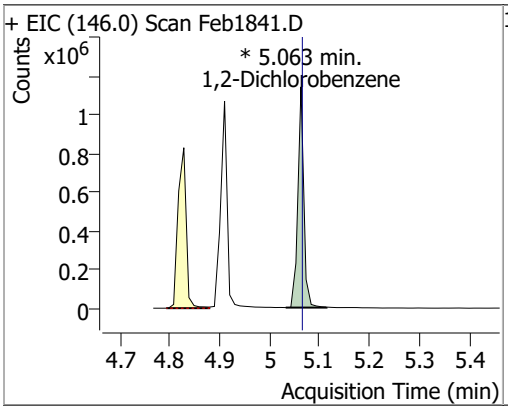
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	62.6526	4.91	0.00	945704 (m)	148.0	63.8	45.6	84.8
					111.0	36.3	25.2	46.8

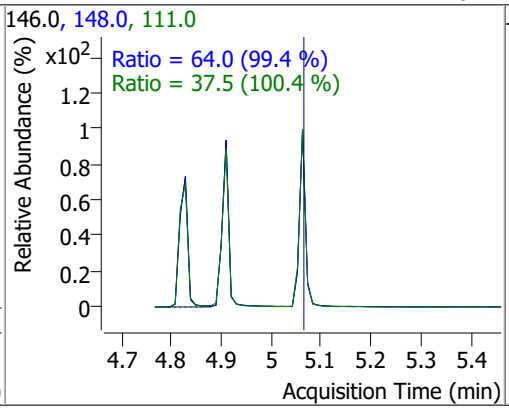


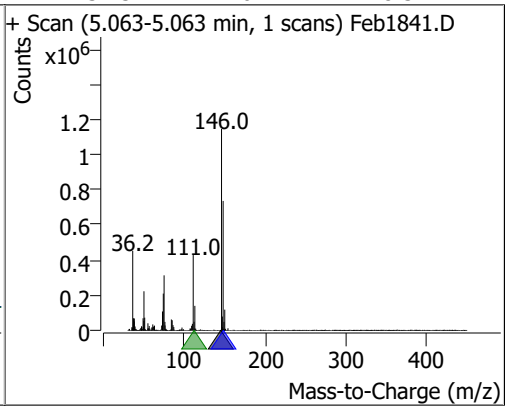




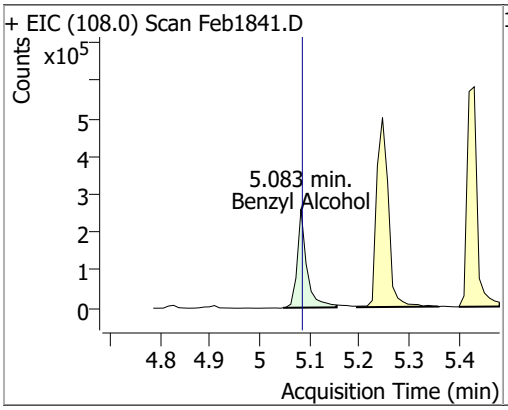
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	65.4686	5.06	0.00	949458 (m)	148.0	64.0	45.1	83.8
					111.0	37.5	26.1	48.5

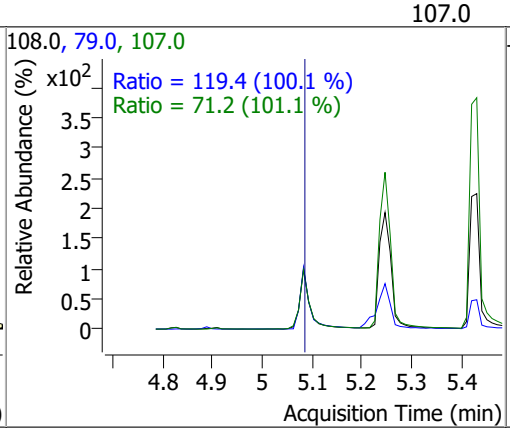


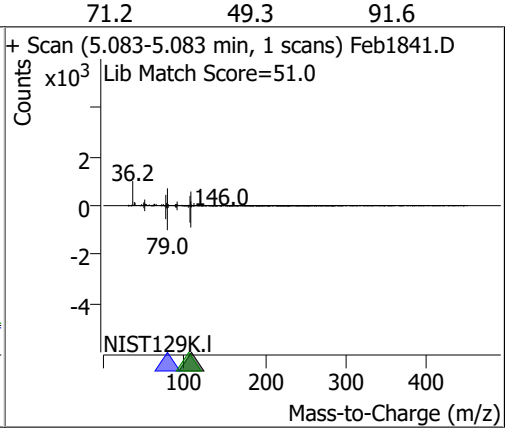




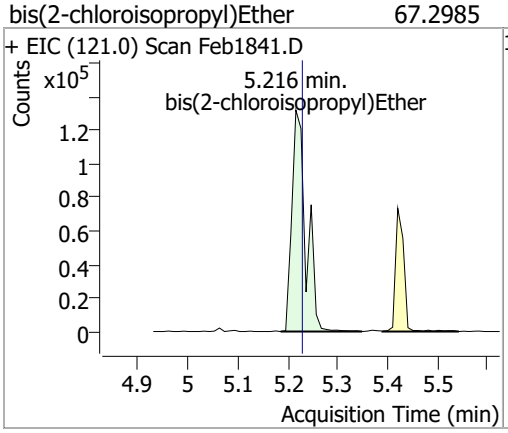
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	61.7020	5.08	0.00	345444	79.0	119.4	83.5	155.1
					107.0	71.2	49.3	91.6

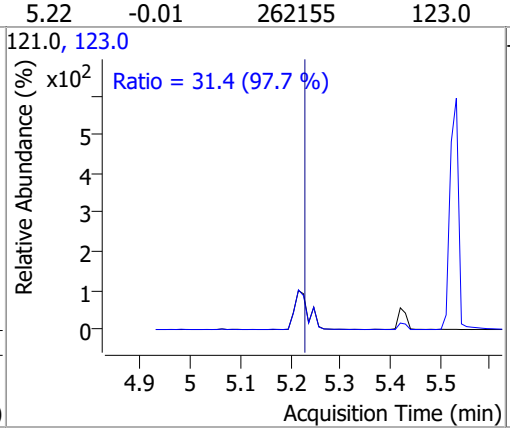


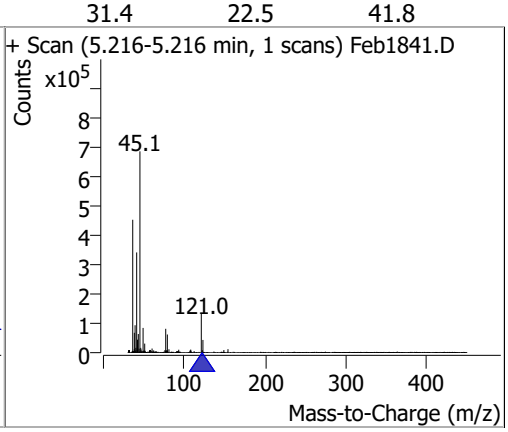




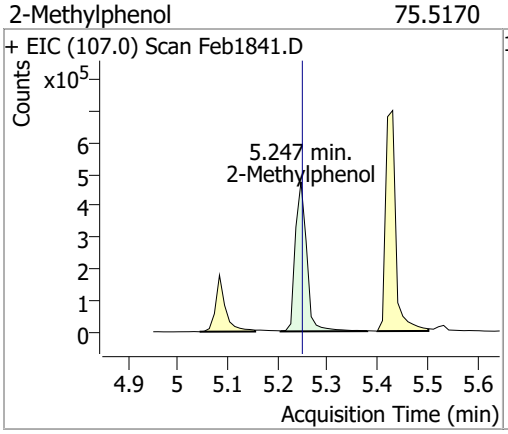
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	67.2985	5.22	-0.01	262155	123.0	31.4	22.5	41.8

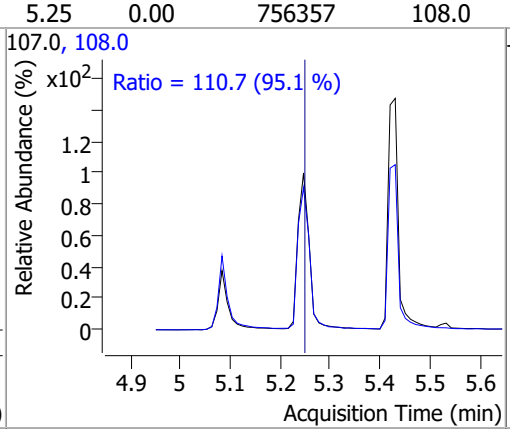


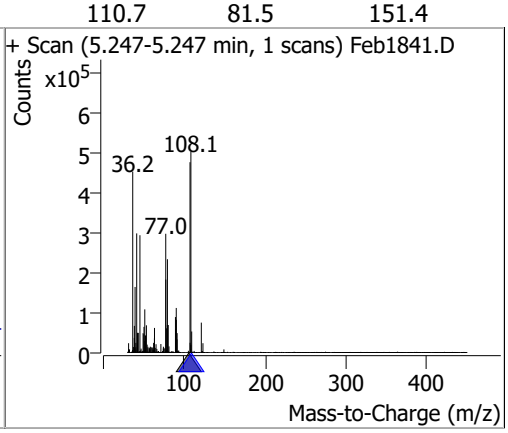




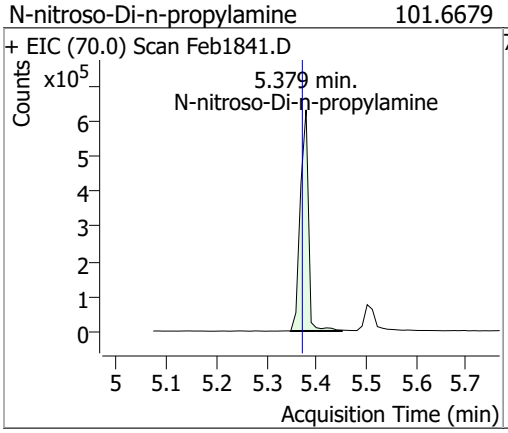
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	75.5170	5.25	0.00	756357	108.0	110.7	81.5	151.4

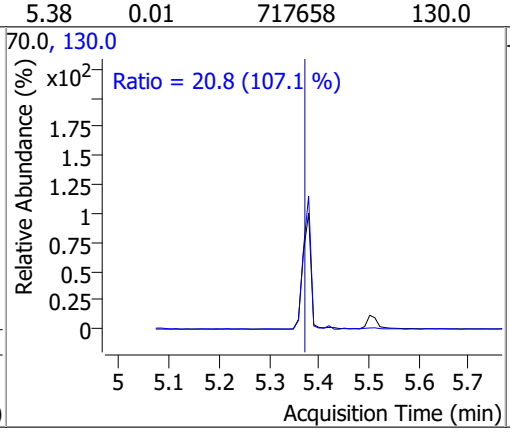


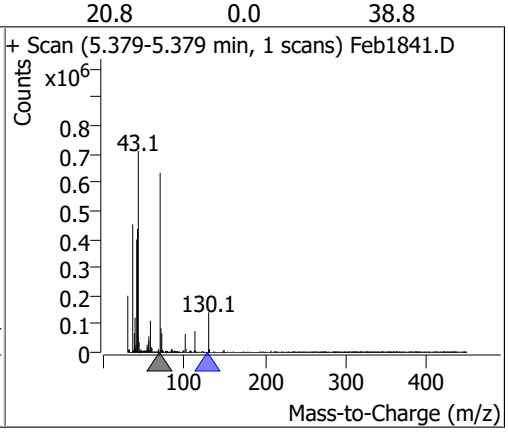




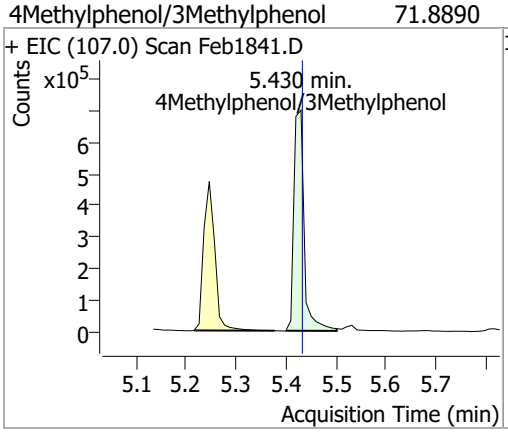
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	101.6679	5.38	0.01	717658	130.0	20.8	0.0	38.8

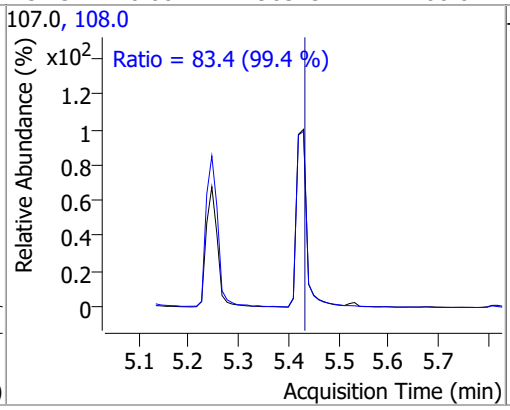


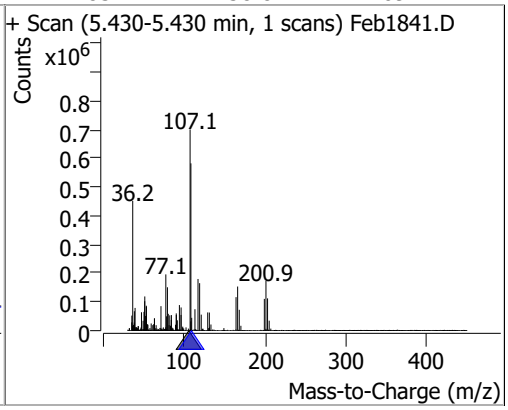




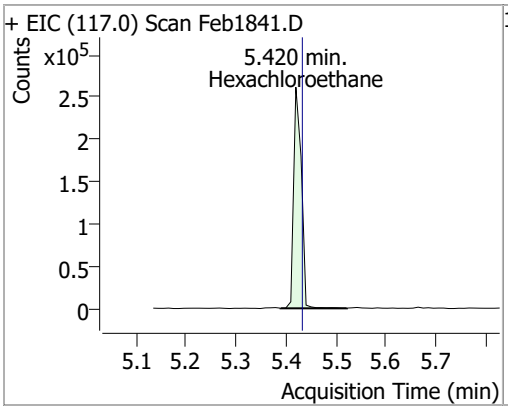
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	71.8890	5.43	0.00	983251	108.0	83.4	58.8	109.1

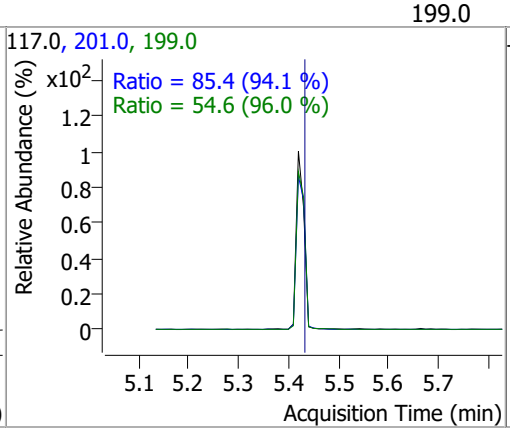


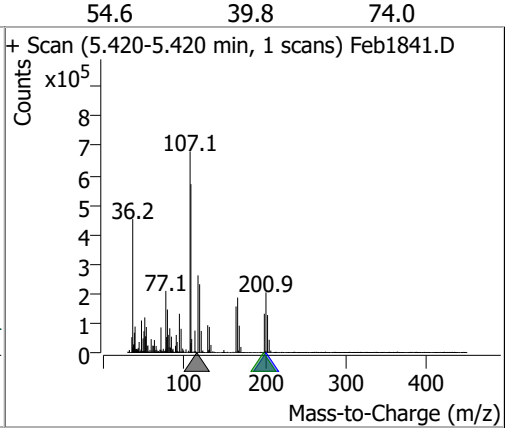




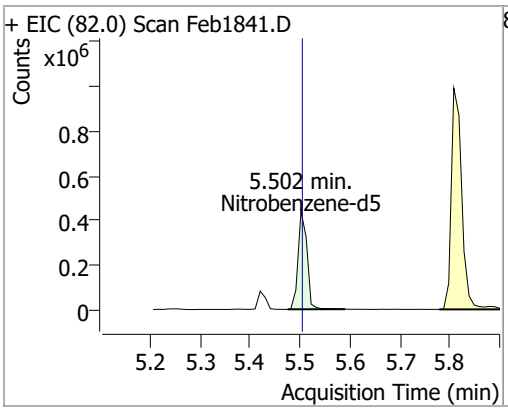
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	64.0555	5.42	-0.01	281132	201.0	85.4	63.5	118.0
					199.0	54.6	39.8	74.0

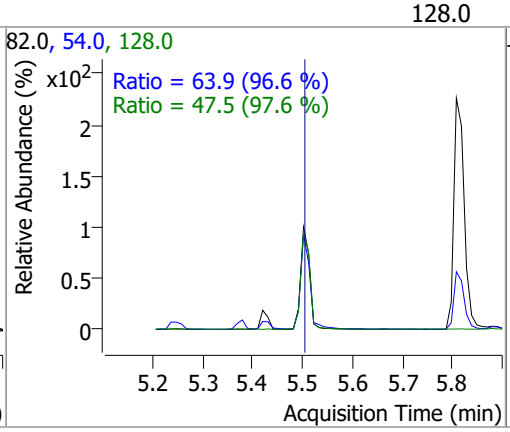


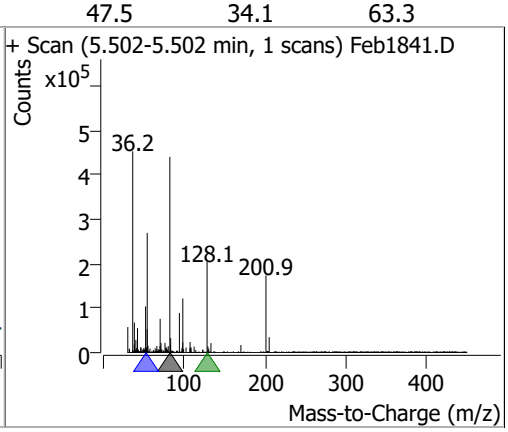




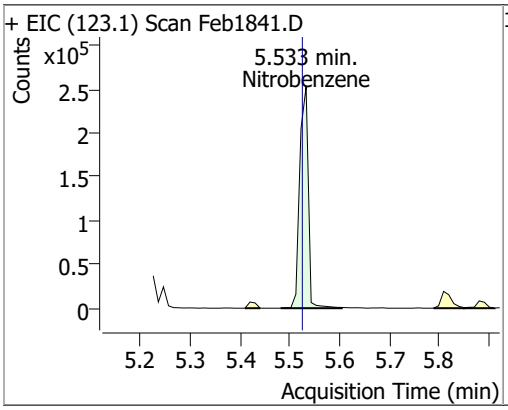
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	75.7331	5.50	0.00	546446	54.0	63.9	46.3	86.0
					128.0	47.5	34.1	63.3

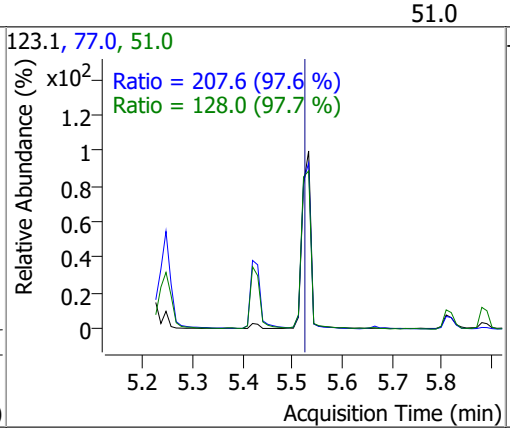


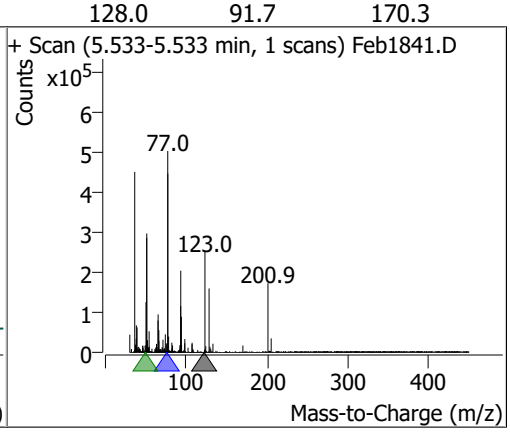




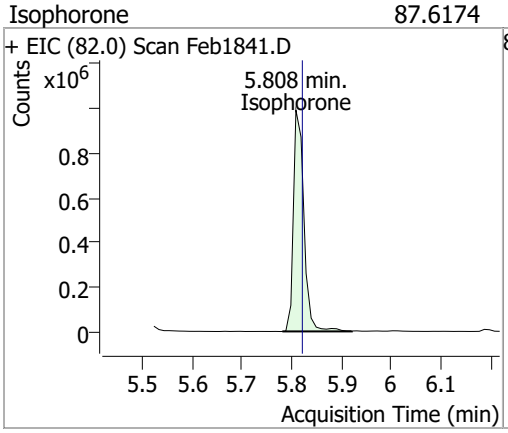
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	82.9070	5.53	0.01	301151	77.0	207.6	148.9	276.5
					51.0	128.0	91.7	170.3

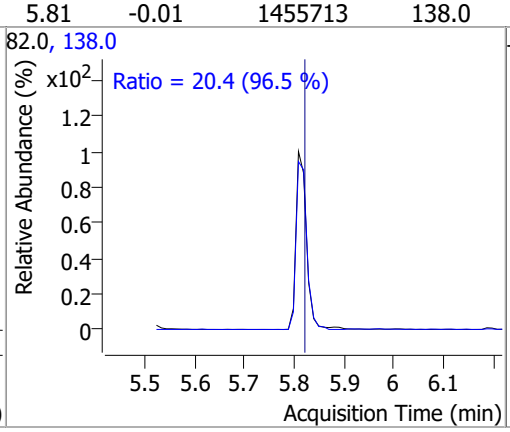


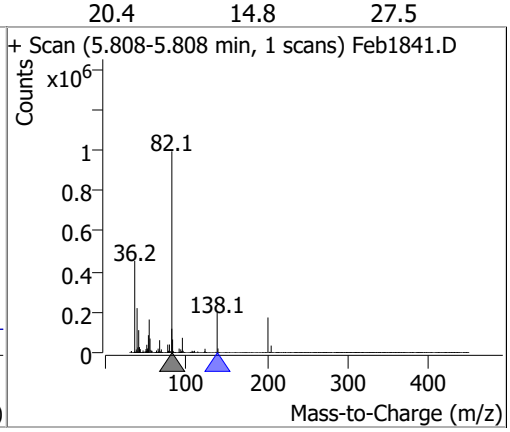




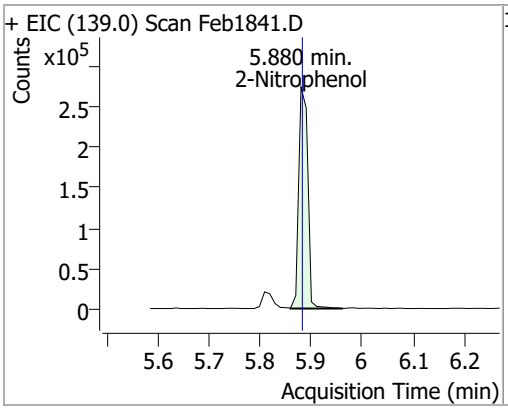
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	87.6174	5.81	-0.01	1455713	138.0	20.4	14.8	27.5

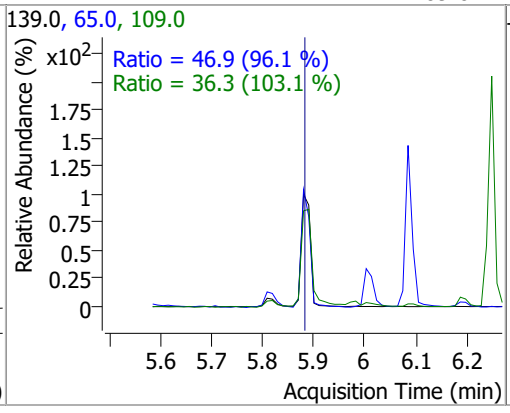


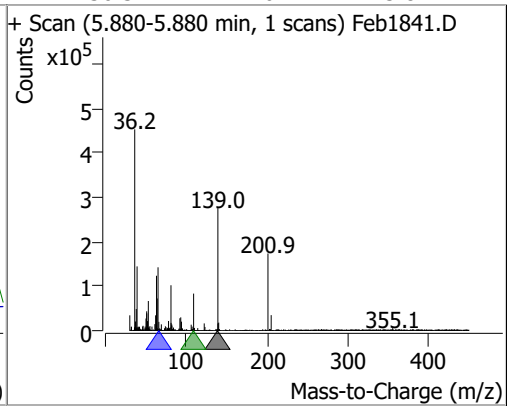




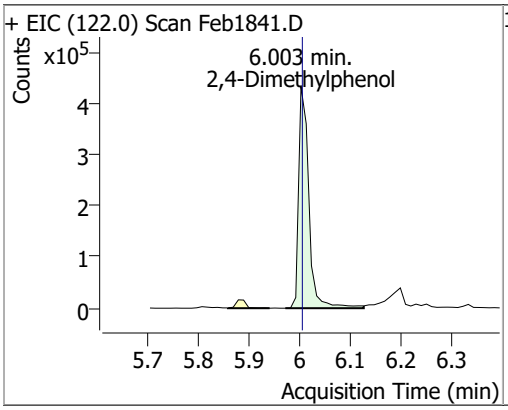
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	89.7779	5.88	0.00	341141	65.0	46.9	34.2	63.4
					109.0	36.3	24.6	45.8

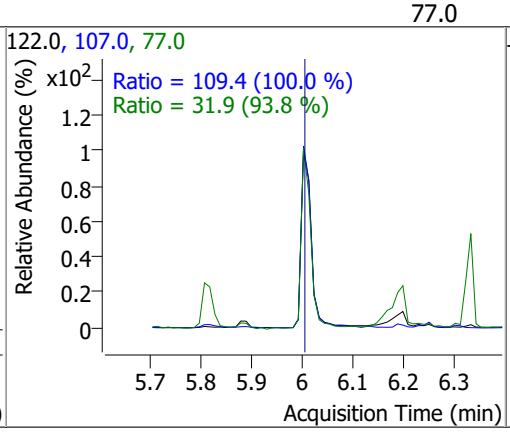


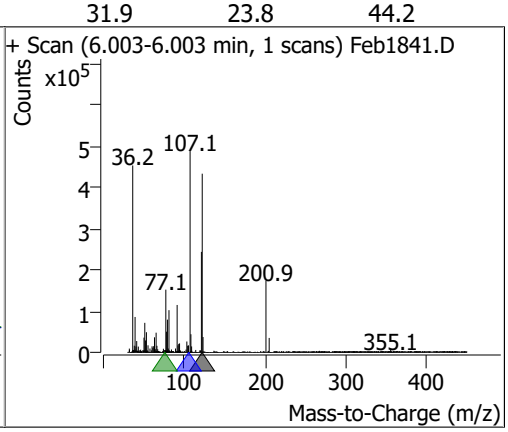




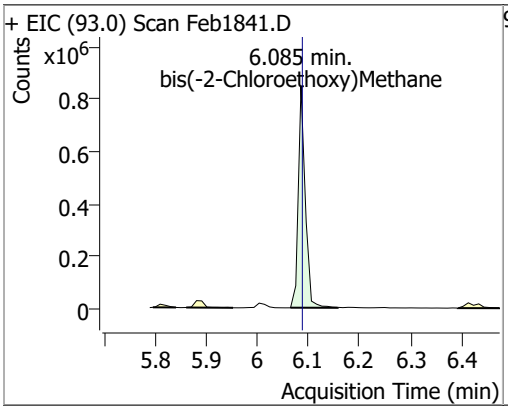
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	78.1417	6.00	0.00	603030	107.0	109.4	76.6	142.3
					77.0	31.9	23.8	44.2

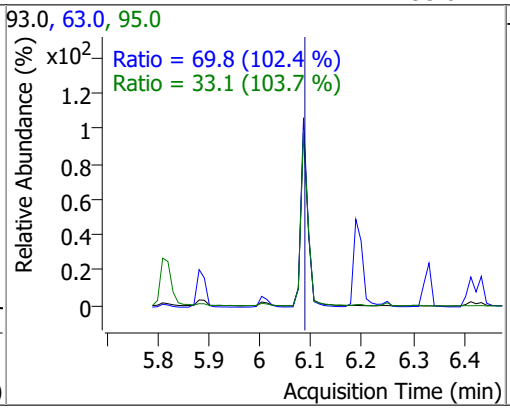


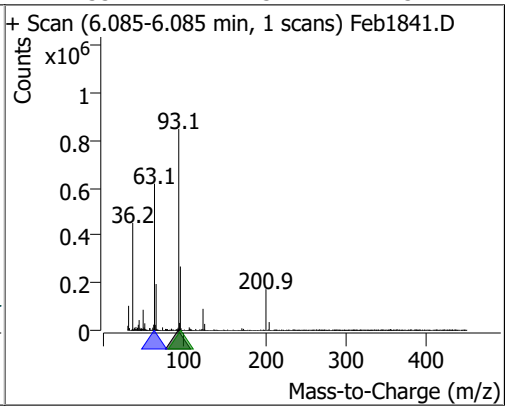




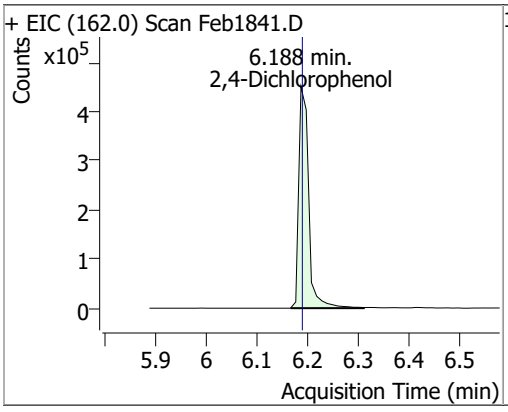
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	80.8099	6.08	0.00	781965	63.0	69.8	47.7	88.6
					95.0	33.1	22.3	41.5

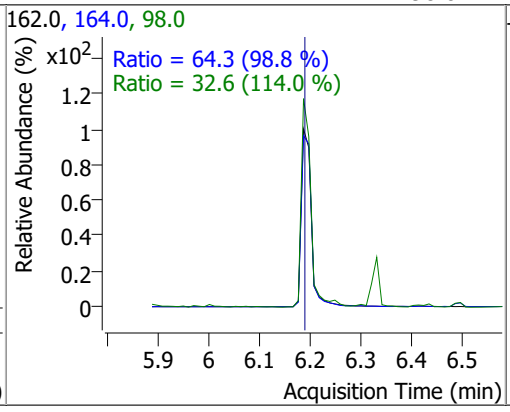


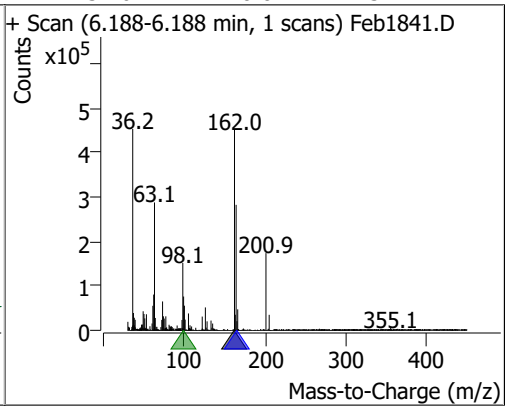




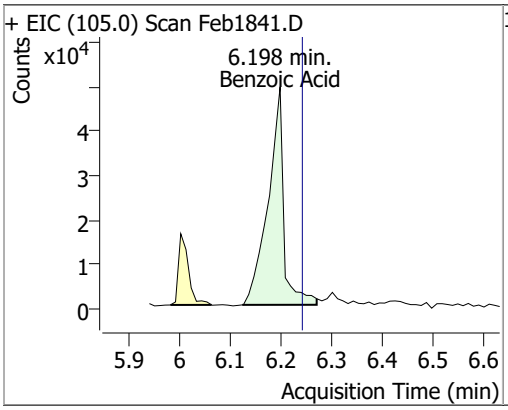
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	82.0408	6.19	0.00	605852	164.0	64.3	45.5	84.5
					98.0	32.6	20.0	37.1

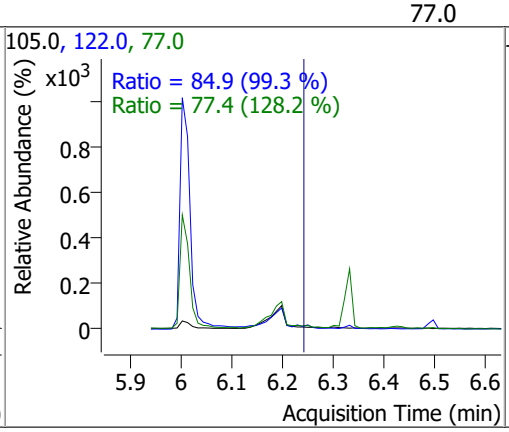


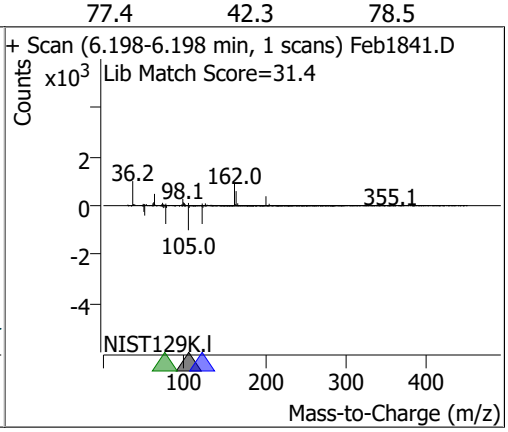




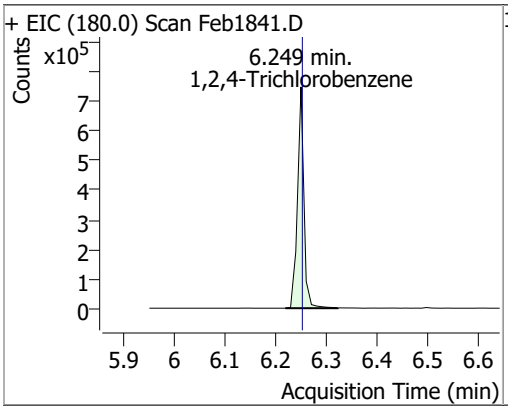
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	31.2280	6.20	-0.04	105320	122.0	84.9	59.9	111.2
					77.0	77.4	42.3	78.5

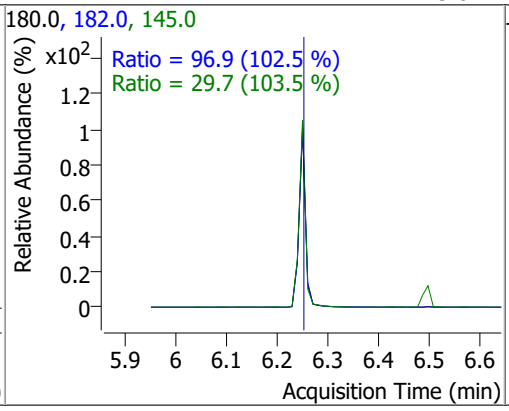


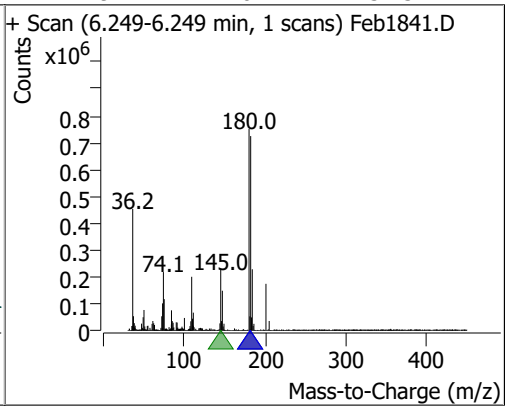




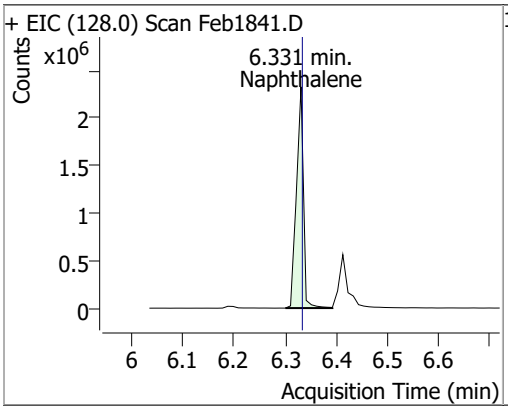
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	74.0857	6.25	0.00	656635	182.0	96.9	66.2	122.9
					145.0	29.7	20.1	37.3

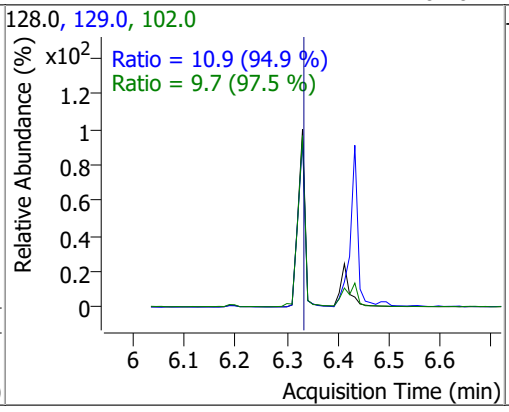


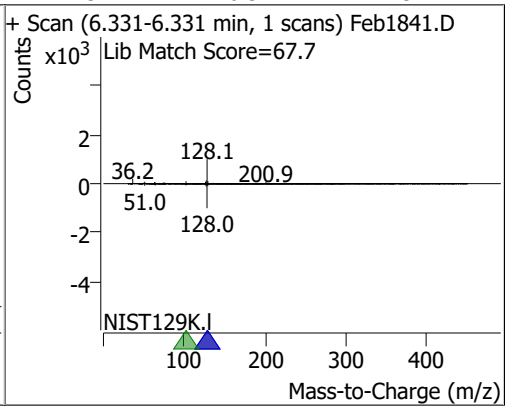




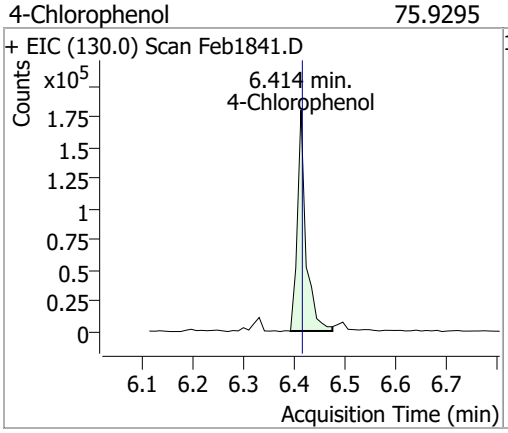
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	84.3410	6.33	0.00	2201583	129.0	10.9	8.0	14.9
					102.0	9.7	6.9	12.9

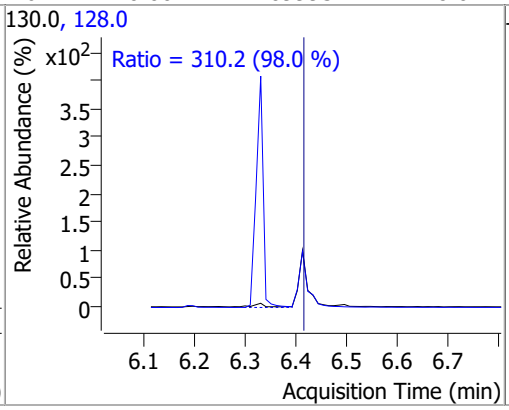


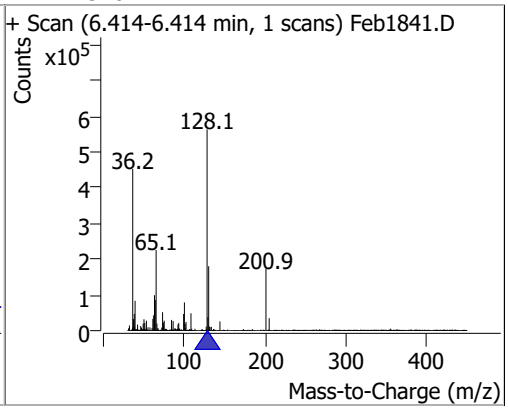




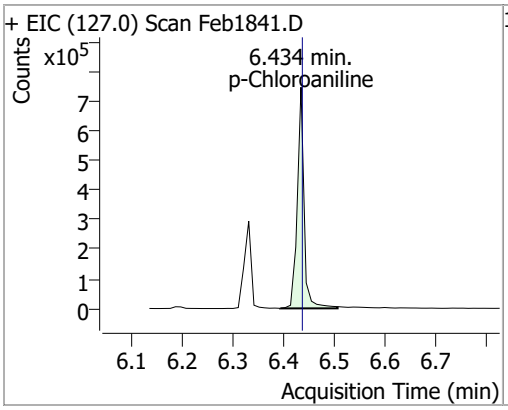
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	75.9295	6.41	0.00	209993	128.0	310.2	221.4	411.2

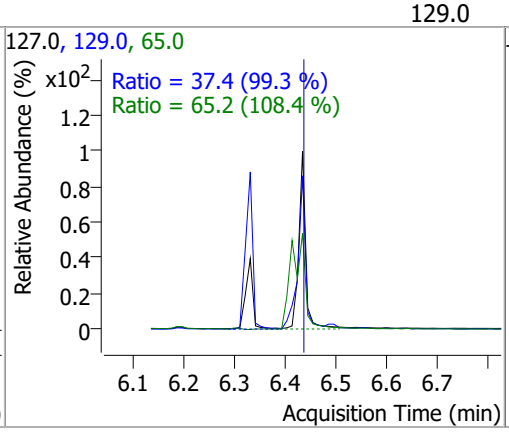


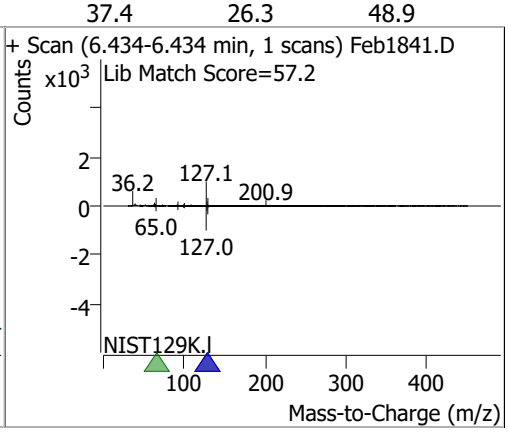




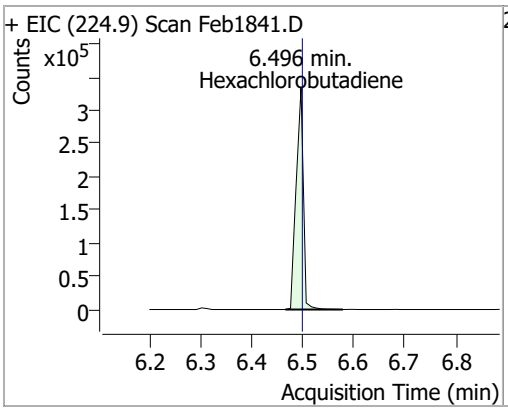
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	66.7464	6.43	0.00	689873	65.0	65.2	42.1	78.2
					129.0	37.4	26.3	48.9

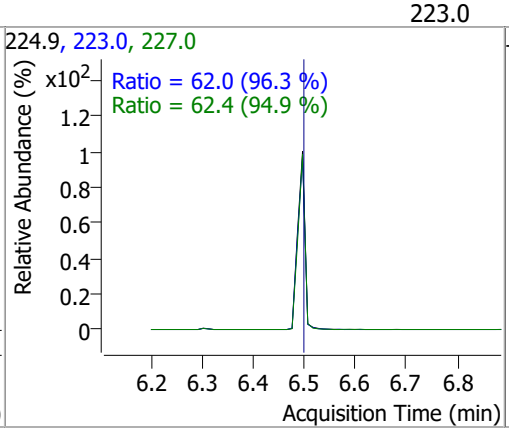


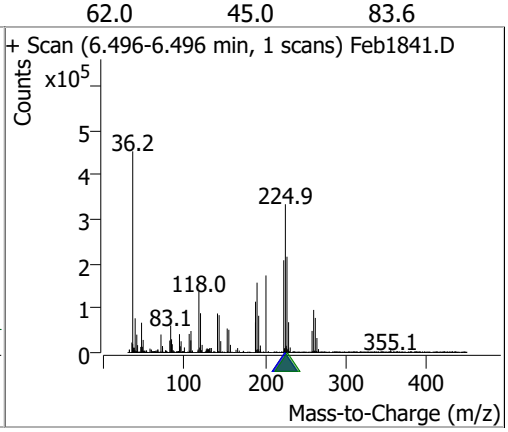




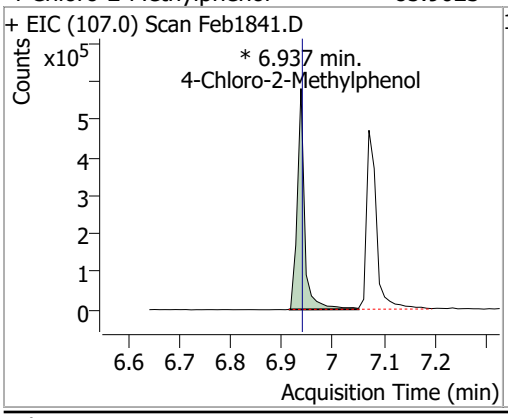
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	71.3426	6.50	0.00	327046	227.0	62.4	46.0	85.4
					223.0	62.0	45.0	83.6

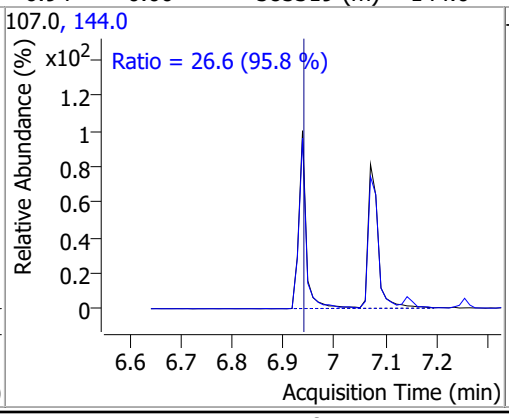


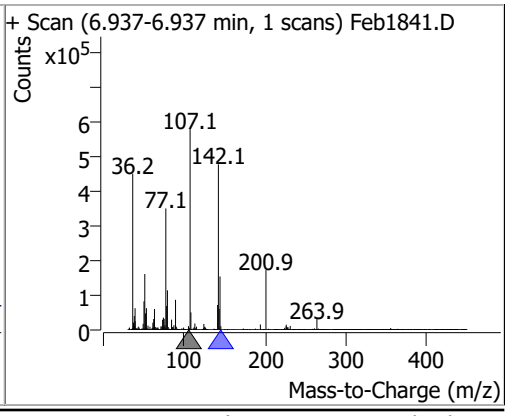




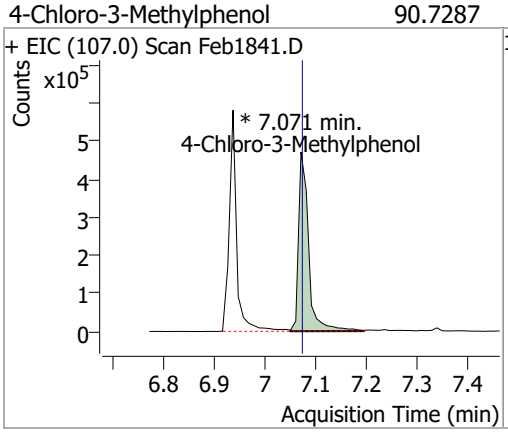
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	85.9023	6.94	0.00	585319 (m)	144.0	26.6	19.4	36.1

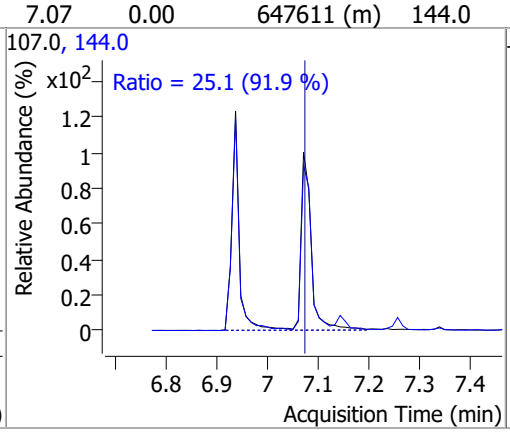


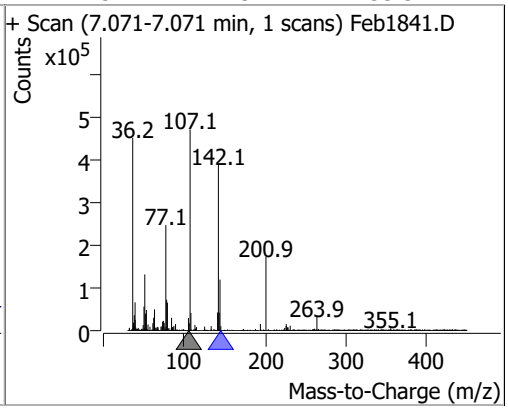




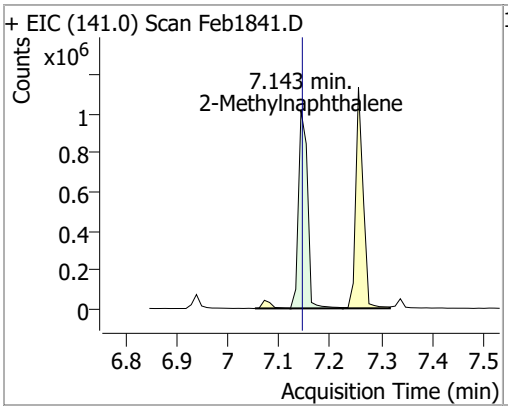
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	90.7287	7.07	0.00	647611 (m)	144.0	25.1	19.1	35.5

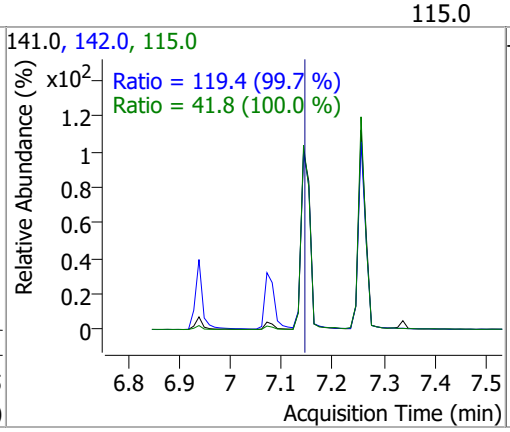


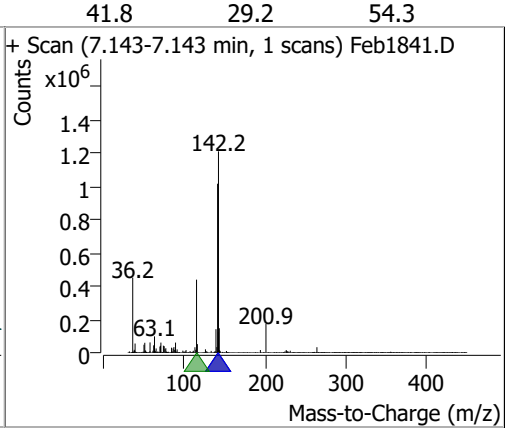




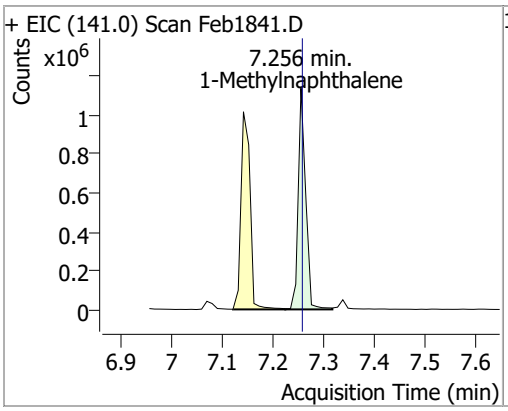
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	84.3067	7.14	0.00	1258517	142.0	119.4	83.8	155.7
					115.0	41.8	29.2	54.3

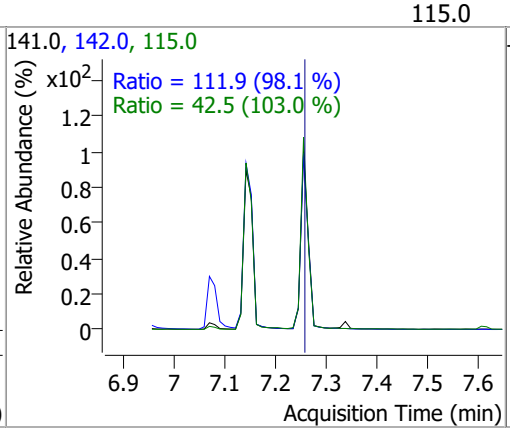


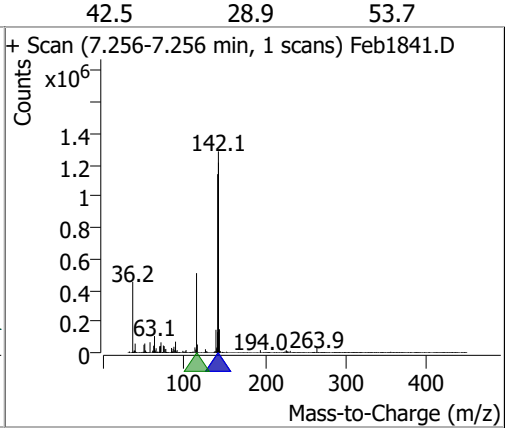




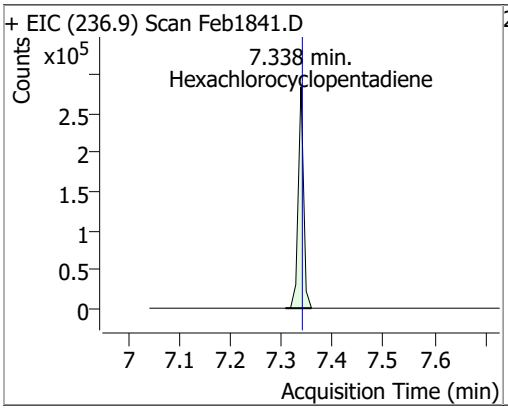
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	79.3557	7.26	0.00	1152826	142.0	111.9	79.8	148.2
					115.0	42.5	28.9	53.7

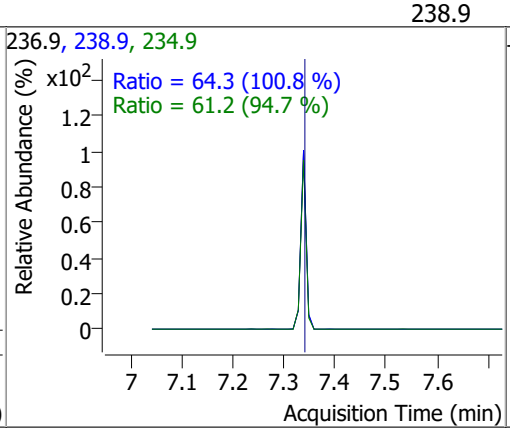


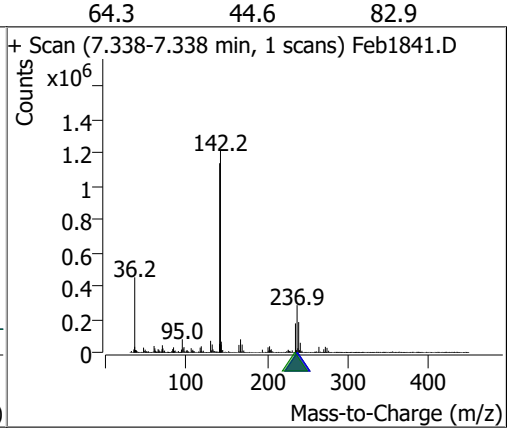




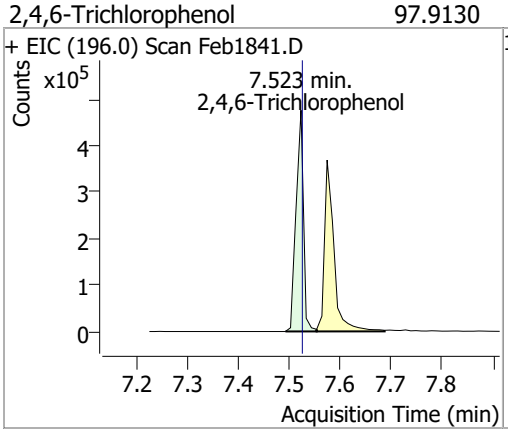
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	75.4382	7.34	0.00	207570	234.9	61.2	45.2	84.0
					238.9	64.3	44.6	82.9

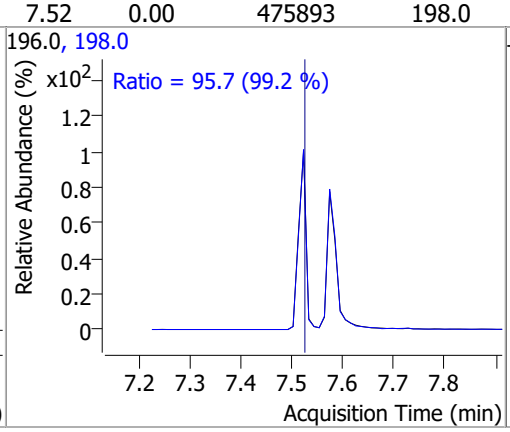


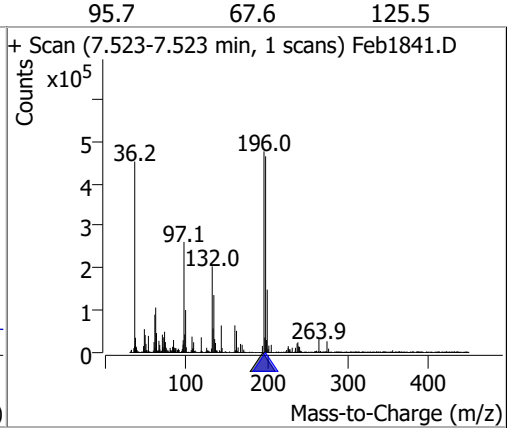




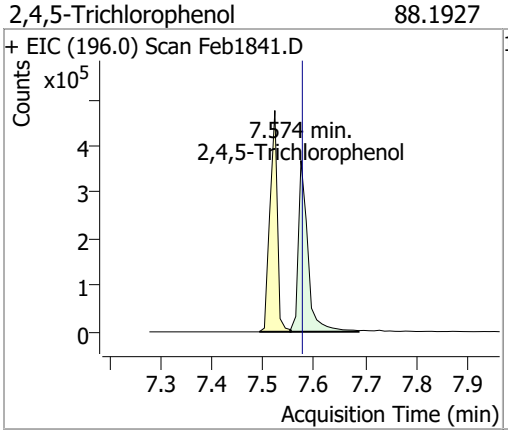
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	97.9130	7.52	0.00	475893	198.0	95.7	67.6	125.5

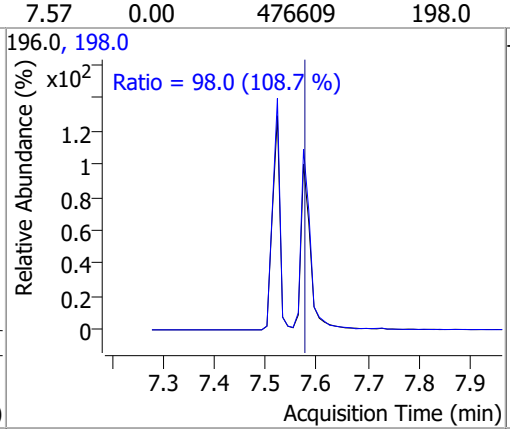


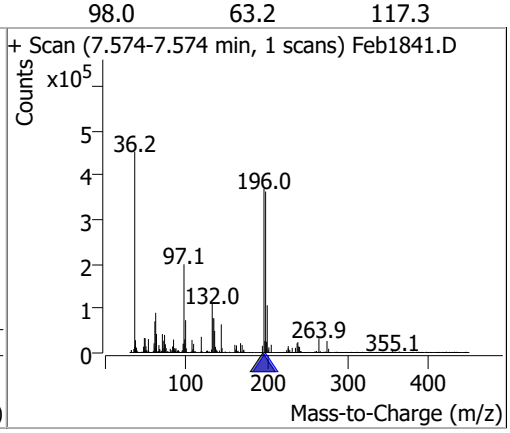




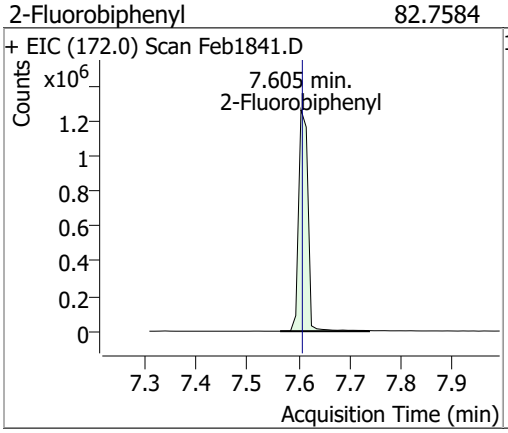
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	88.1927	7.57	0.00	476609	198.0	98.0	63.2	117.3

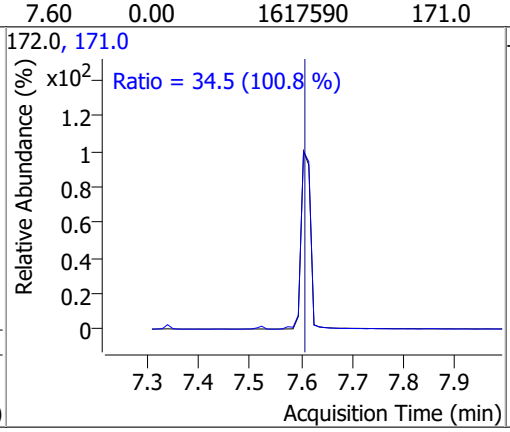


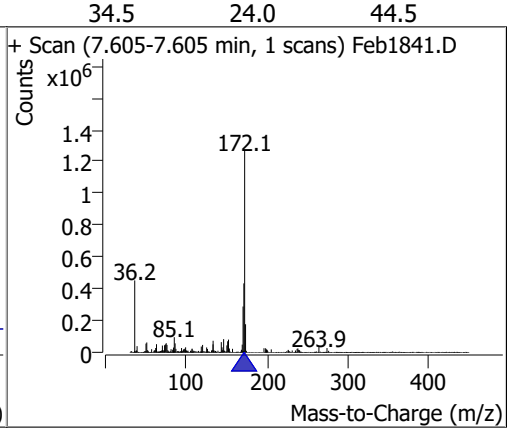




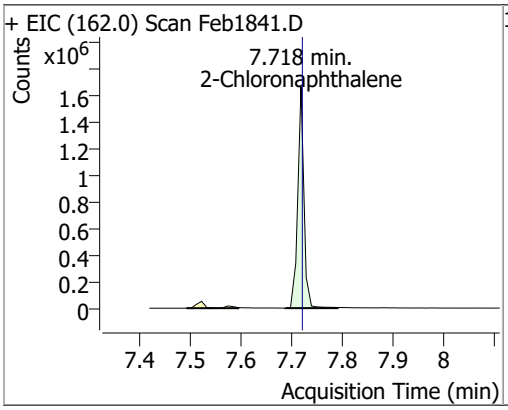
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	82.7584	7.60	0.00	1617590	171.0	34.5	24.0	44.5

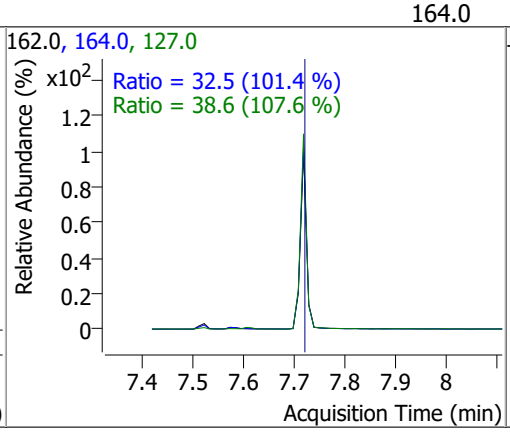


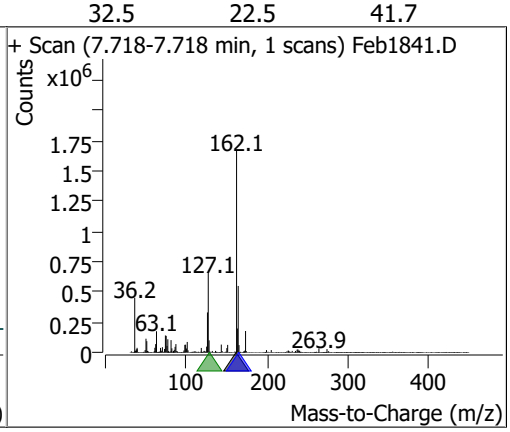




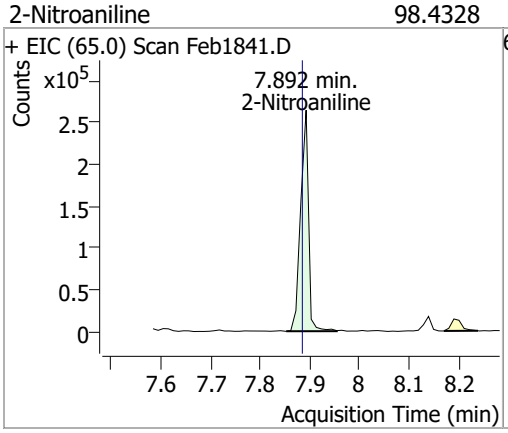
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	86.0532	7.72	0.00	1412114	127.0	38.6	25.1	46.7
					164.0	32.5	22.5	41.7

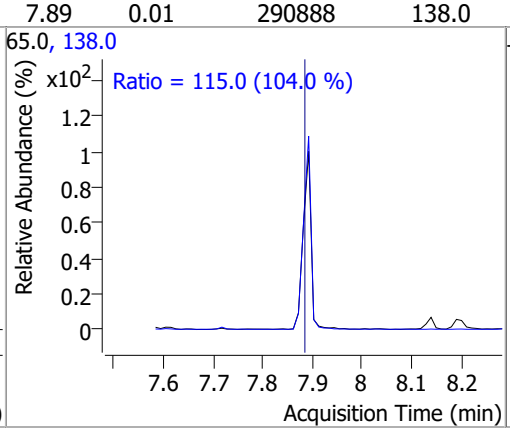


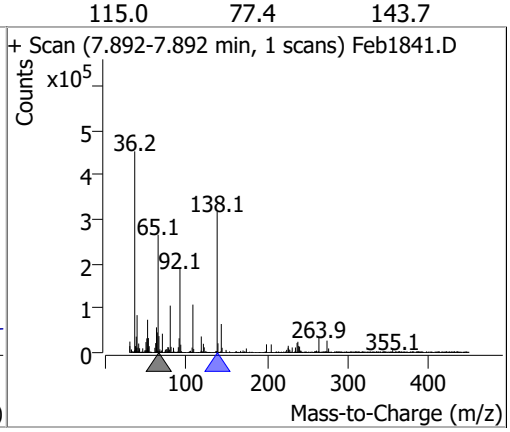




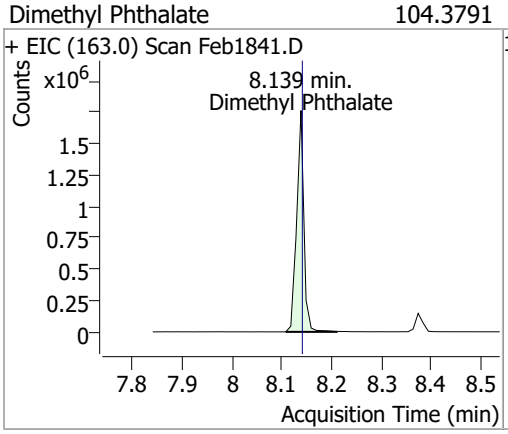
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	98.4328	7.89	0.01	290888	138.0	115.0	77.4	143.7

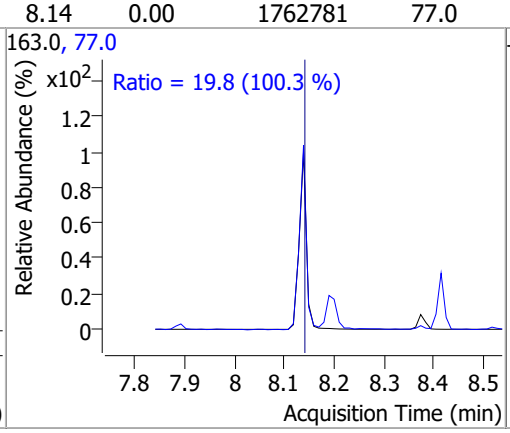


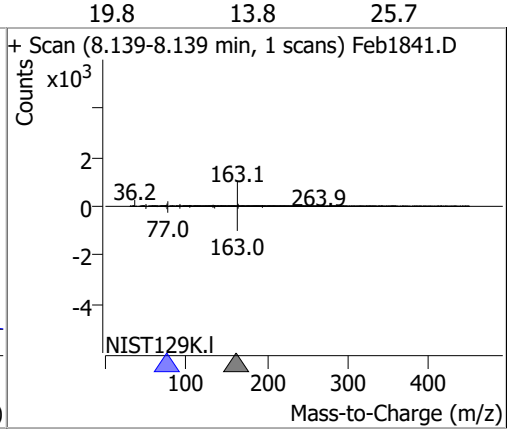




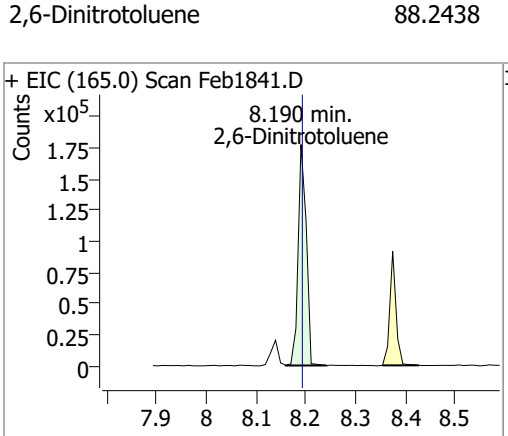
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	104.3791	8.14	0.00	1762781	77.0	19.8	13.8	25.7

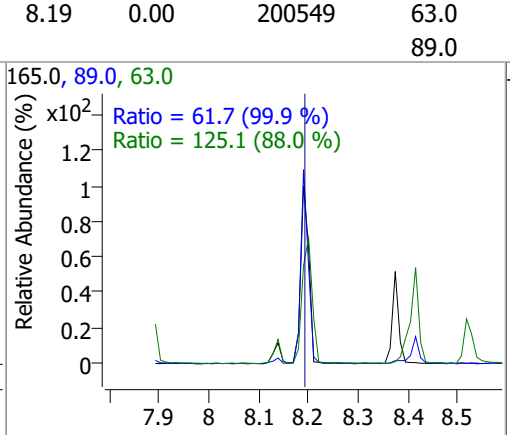


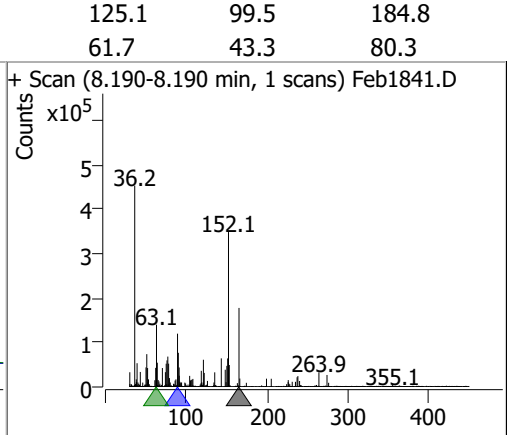




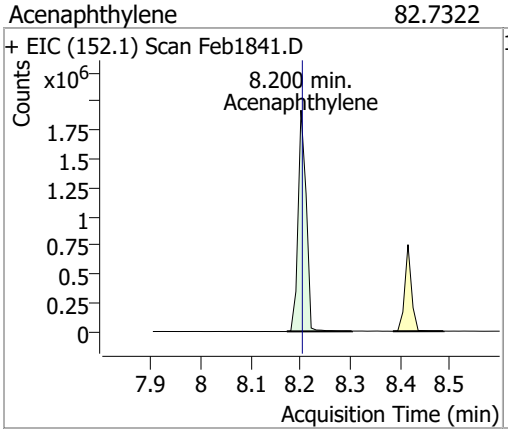
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	88.2438	8.19	0.00	200549	63.0	125.1	99.5	184.8
					89.0	61.7	43.3	80.3

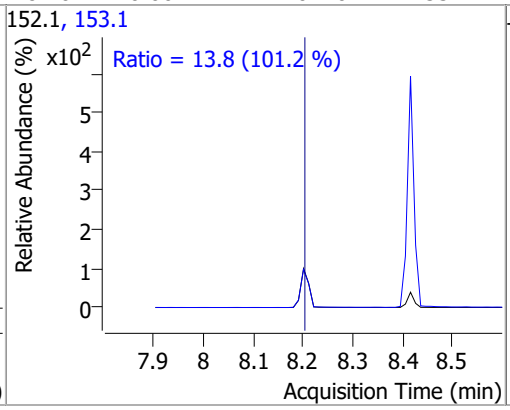


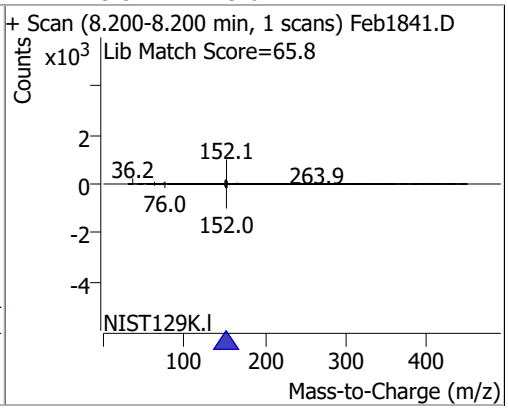




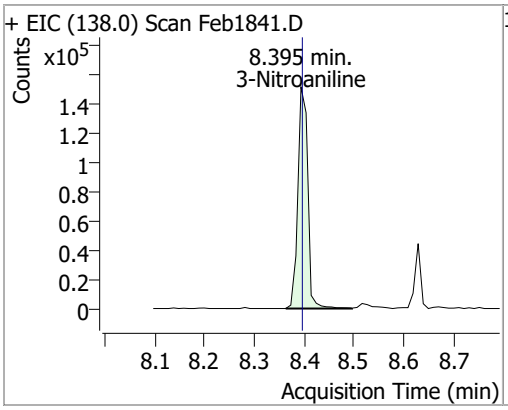
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	82.7322	8.20	0.00	2170210	153.1	13.8	9.6	17.7

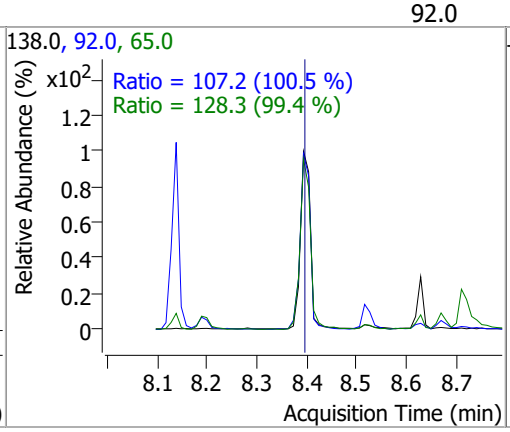


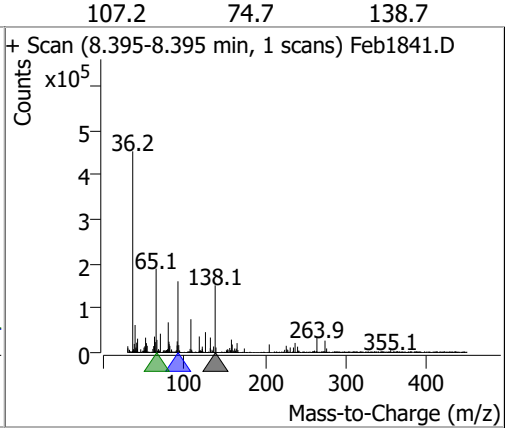




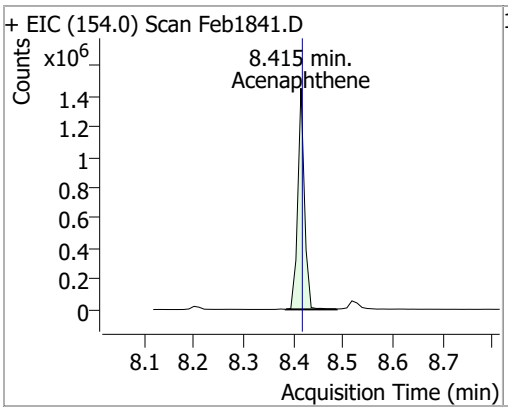
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	81.2248	8.39	0.00	209601	65.0	128.3	90.4	167.8
					92.0	107.2	74.7	138.7

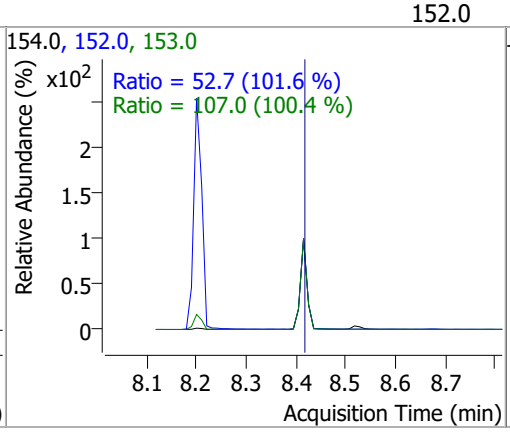


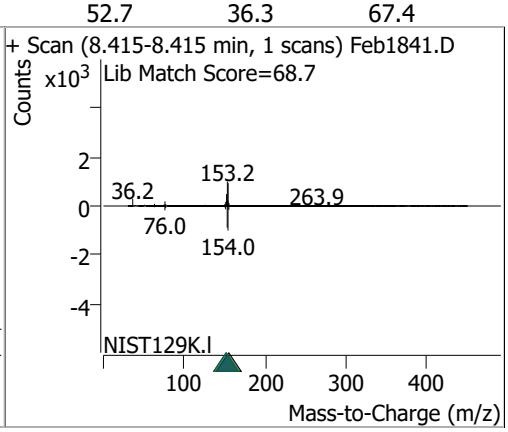




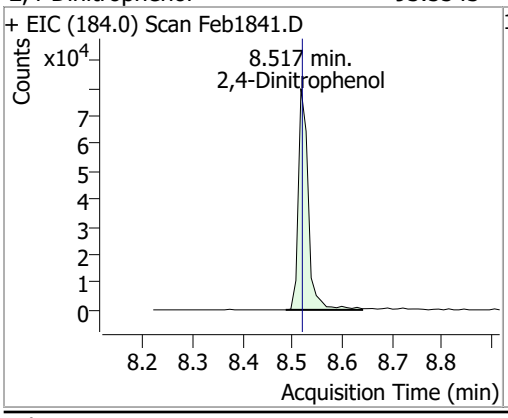
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	90.7768	8.41	0.00	1354856	153.0	107.0	74.5	138.4
					152.0	52.7	36.3	67.4

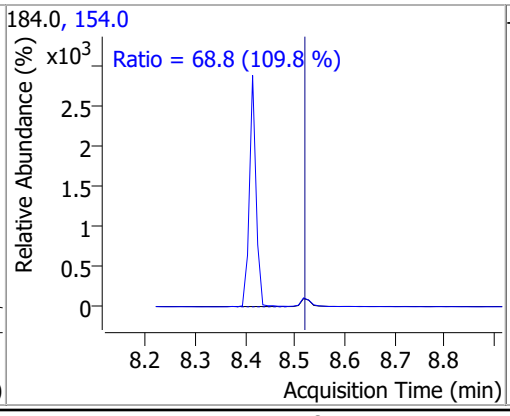


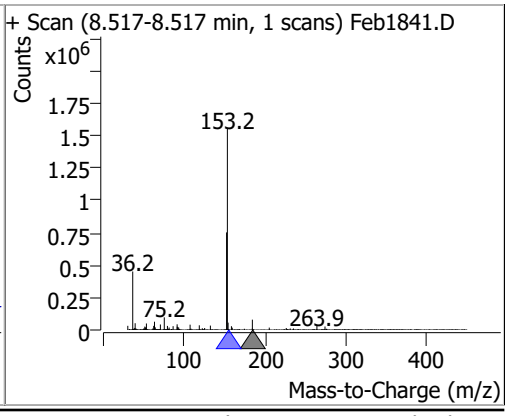




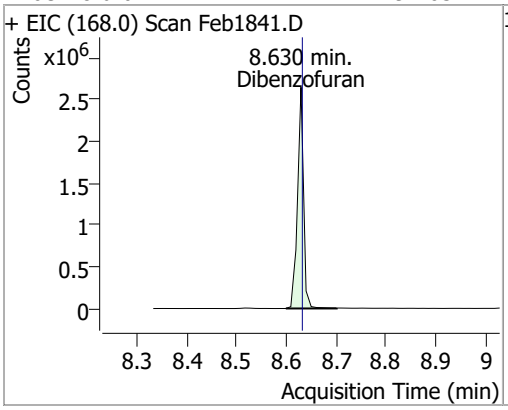
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	93.5543	8.52	0.00	111707	154.0	68.8	43.9	81.5

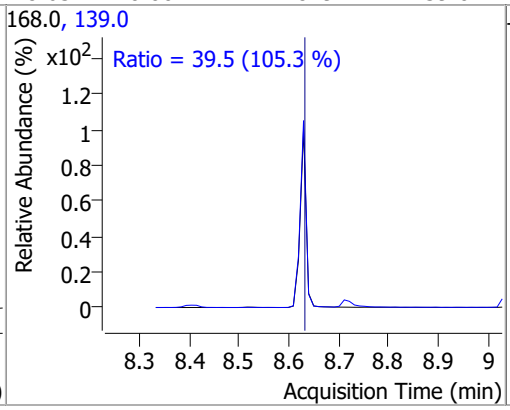


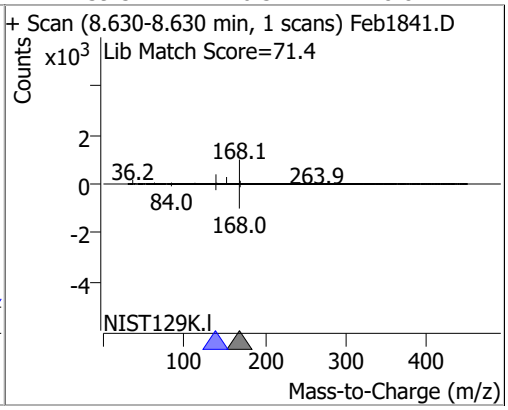




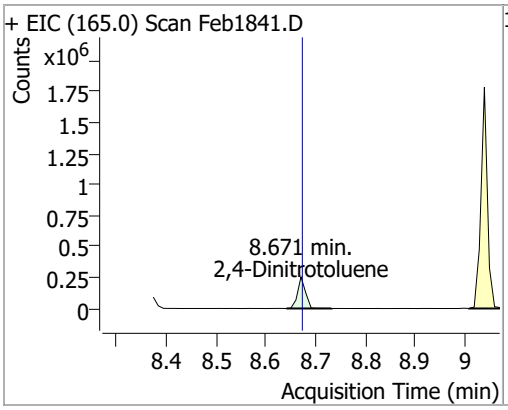
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	91.6571	8.63	0.00	2228794	139.0	39.5	26.3	48.8

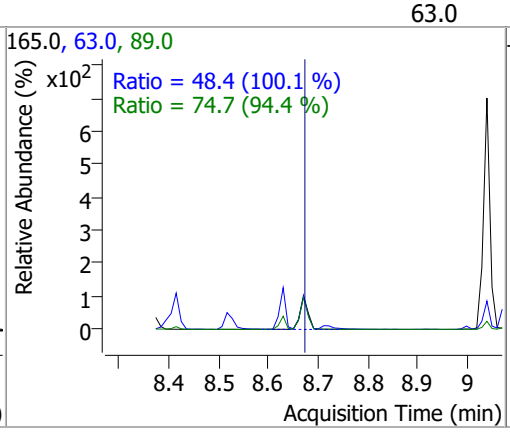


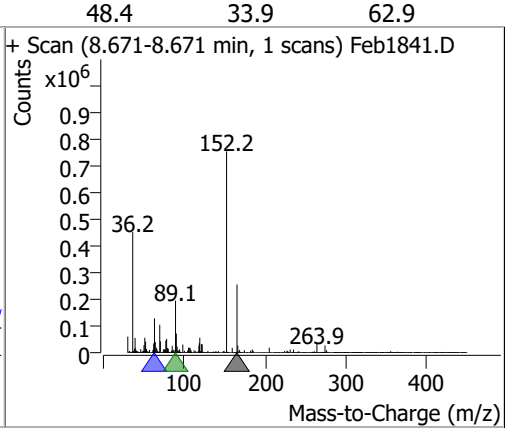




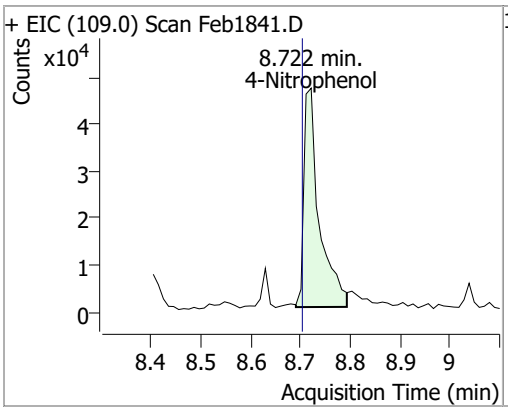
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	94.7094	8.67	0.00	275454	89.0	74.7	55.4	102.9
					63.0	48.4	33.9	62.9

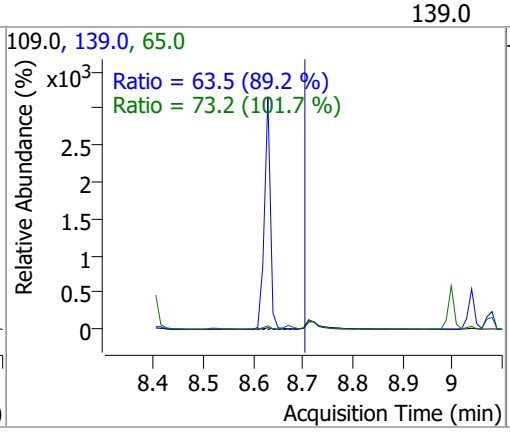


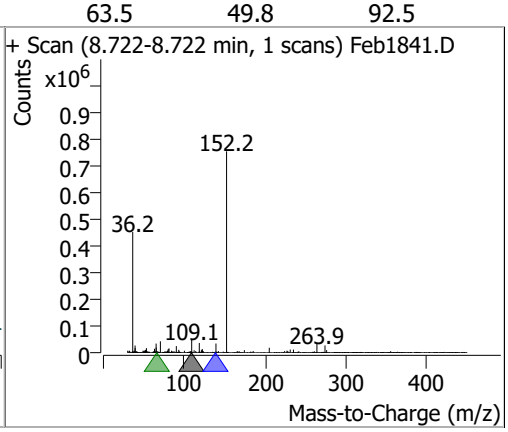




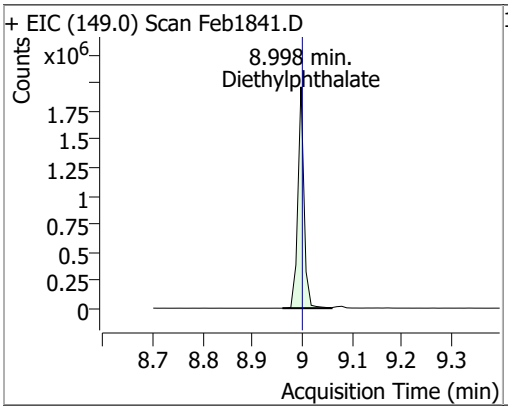
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	38.6023	8.72	0.02	100217	65.0	73.2	50.4	93.6
					139.0	63.5	49.8	92.5

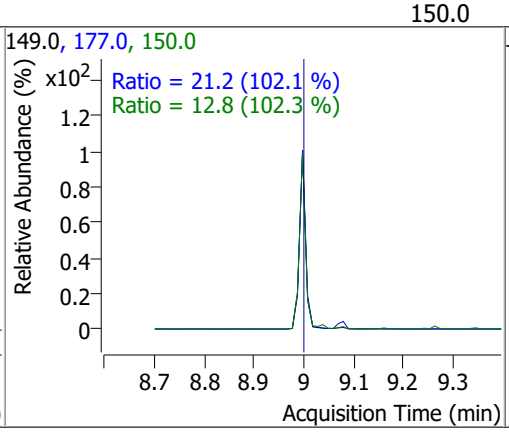


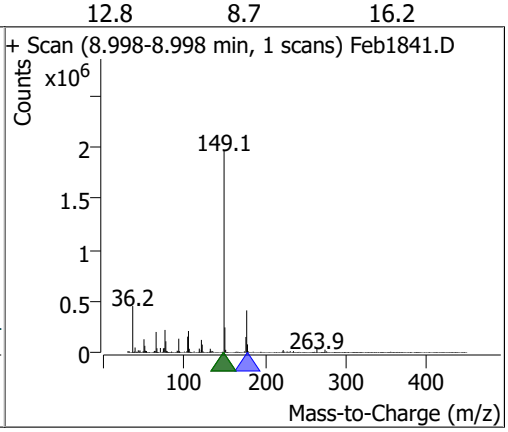




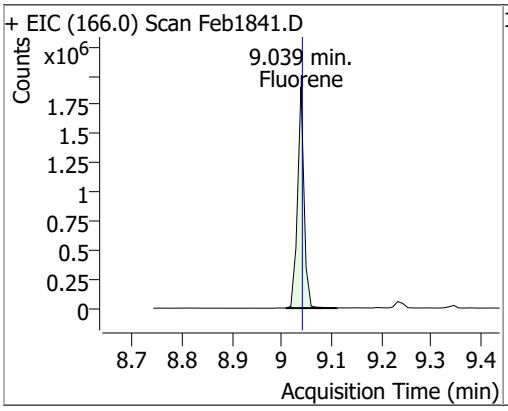
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	96.5039	9.00	0.00	1682845	177.0	21.2	14.5	27.0
					150.0	12.8	8.7	16.2

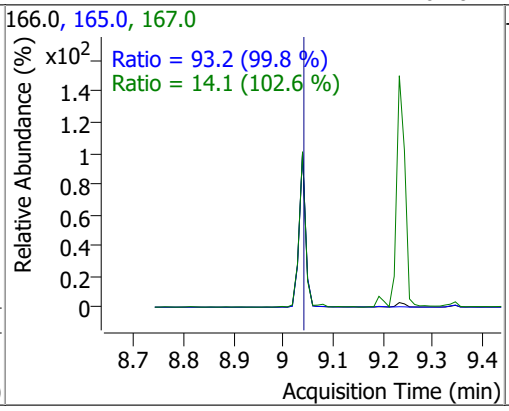


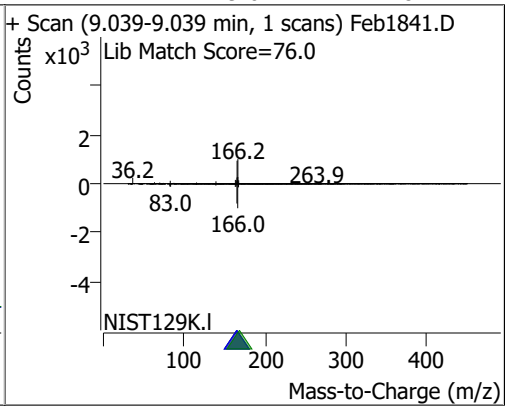




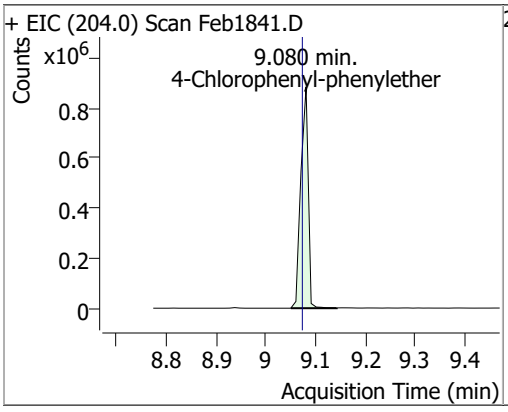
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	88.0023	9.04	0.00	1731520	165.0	93.2	65.4	121.4
					167.0	14.1	9.6	17.8

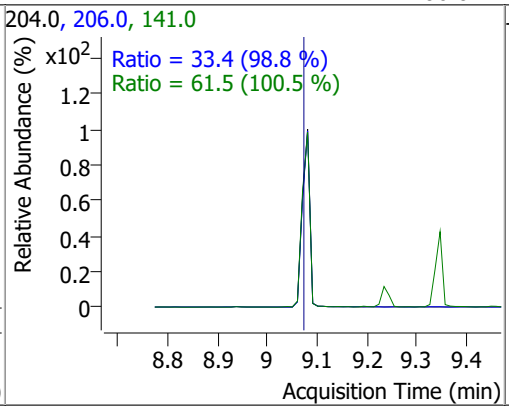


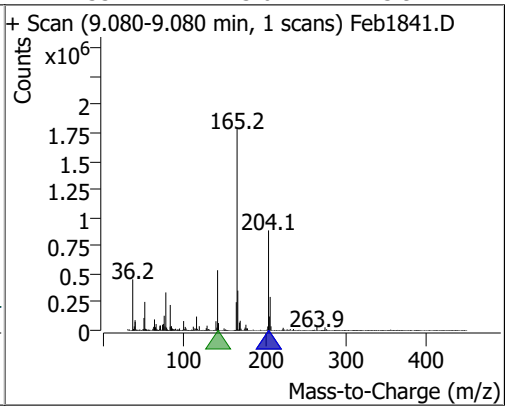




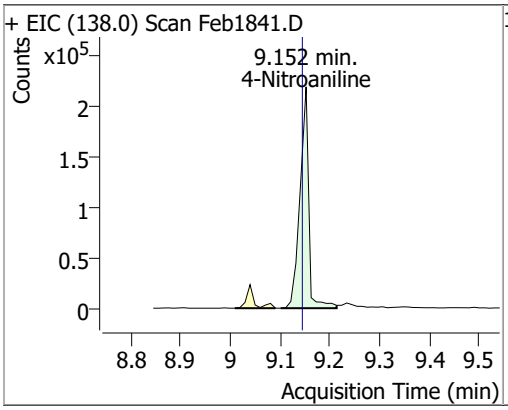
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	101.9069	9.08	0.01	915985	141.0	61.5	42.8	79.6
					206.0	33.4	23.6	43.9

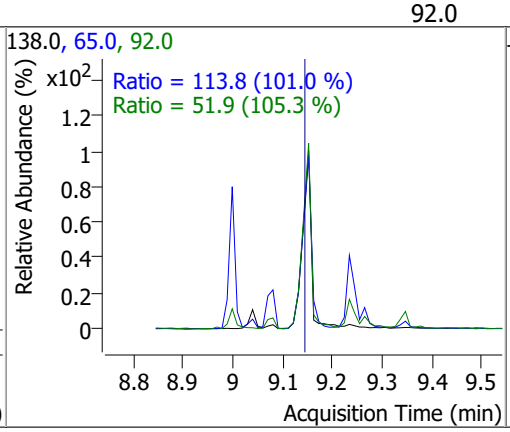


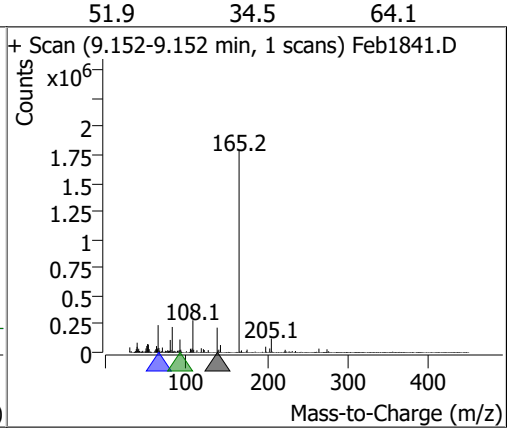




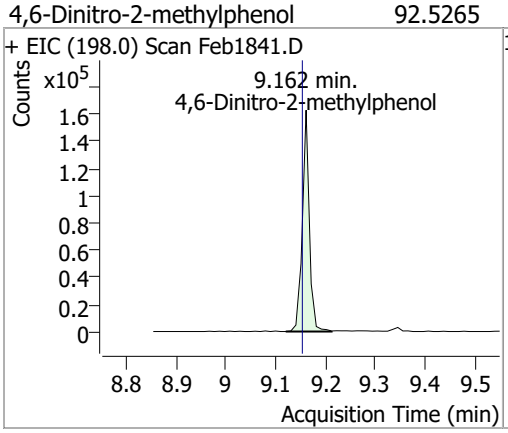
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	95.2528	9.15	0.01	266372	65.0	113.8	78.9	146.6
					92.0	51.9	34.5	64.1

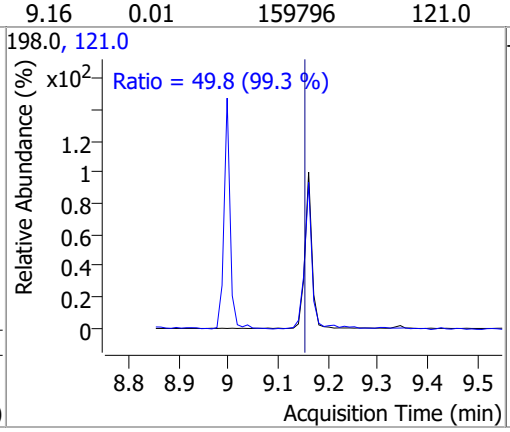


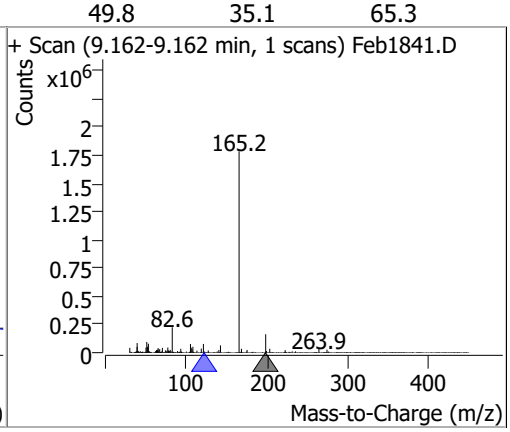




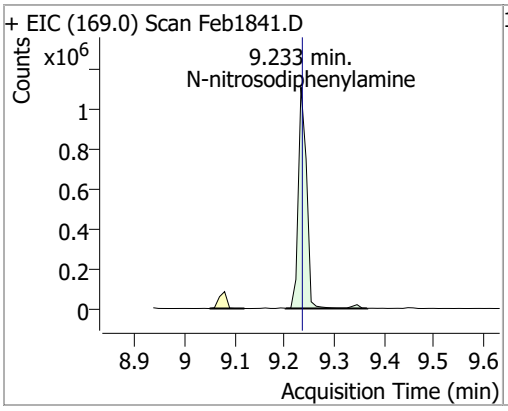
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	92.5265	9.16	0.01	159796	121.0	49.8	35.1	65.3

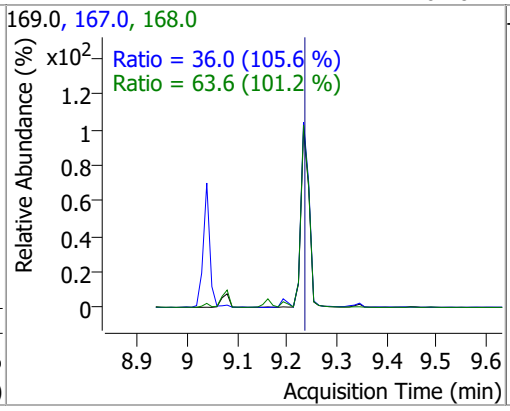


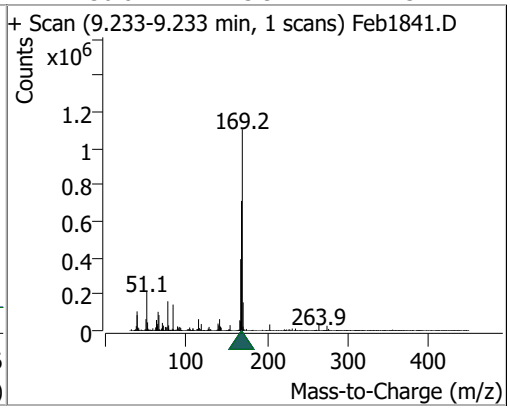




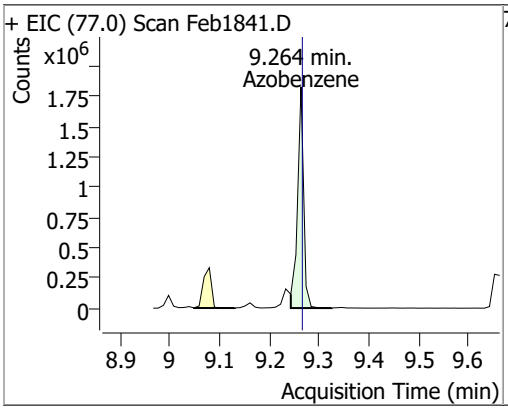
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	98.8831	9.23	0.00	1285014	168.0	63.6	44.0	81.7
					167.0	36.0	23.9	44.3

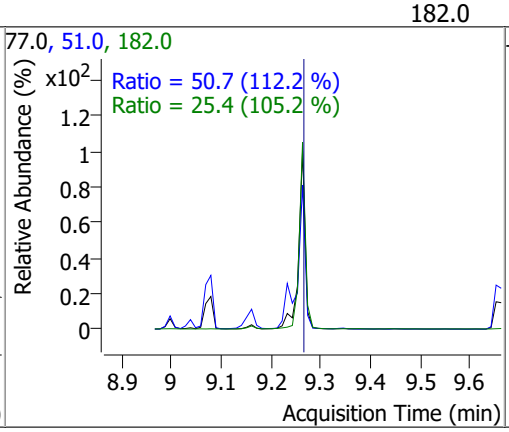


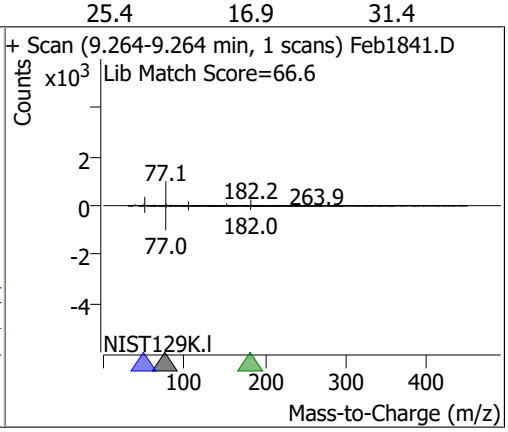




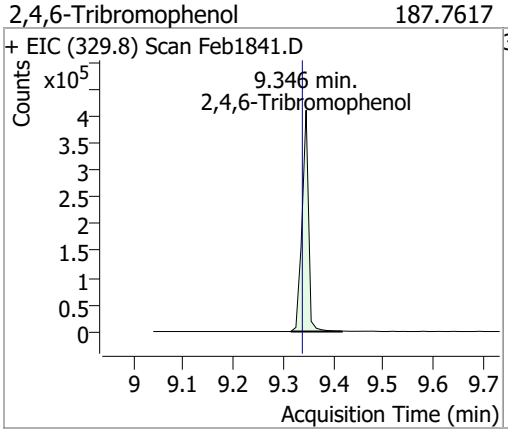
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	89.6532	9.26	0.00	1552668	51.0	50.7	31.6	58.7
					182.0	25.4	16.9	31.4

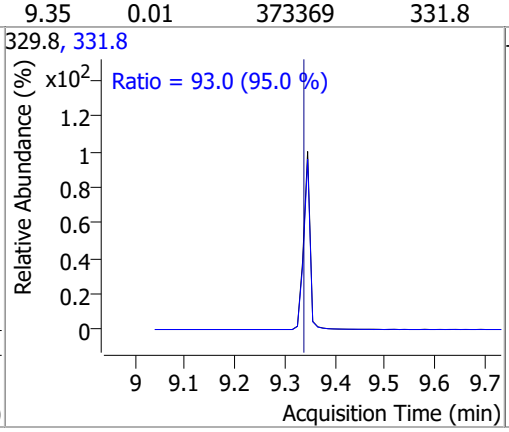


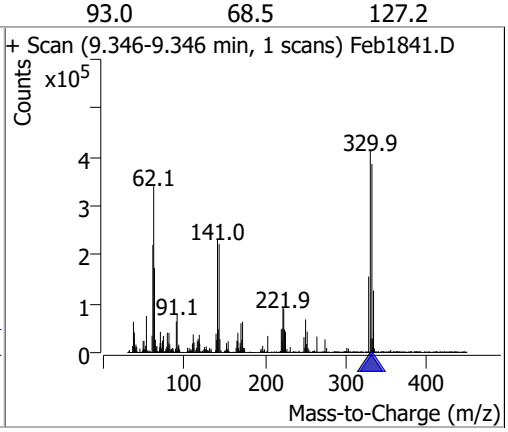




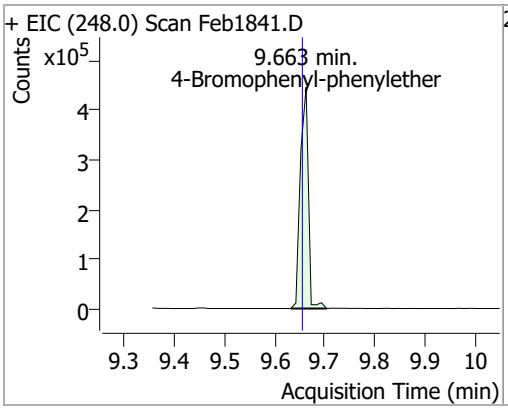
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	187.7617	9.35	0.01	373369	331.8	93.0	68.5	127.2

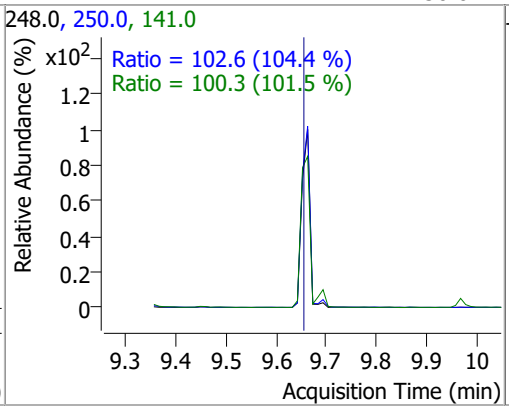


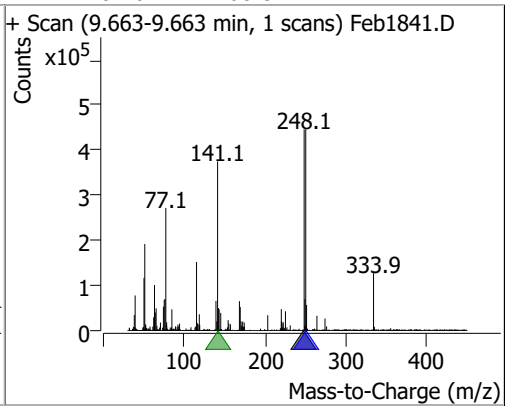




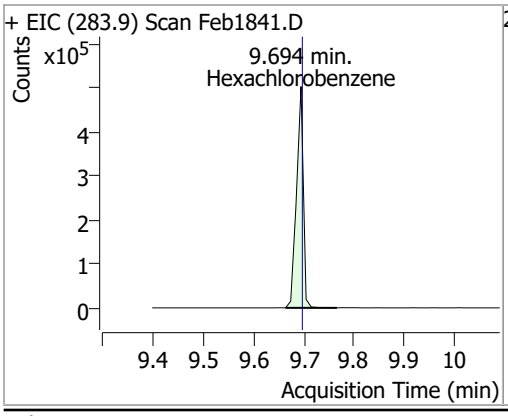
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	98.7859	9.66	0.01	496170	141.0	100.3	69.1	128.4
					250.0	102.6	68.8	127.7

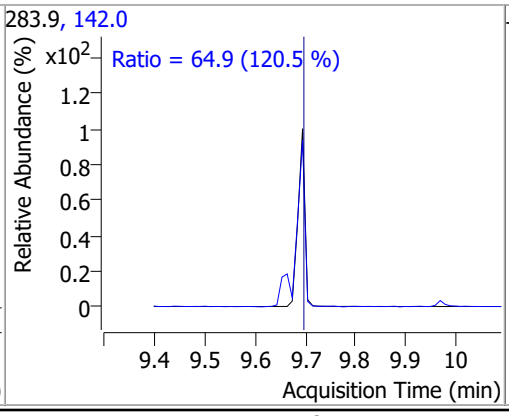


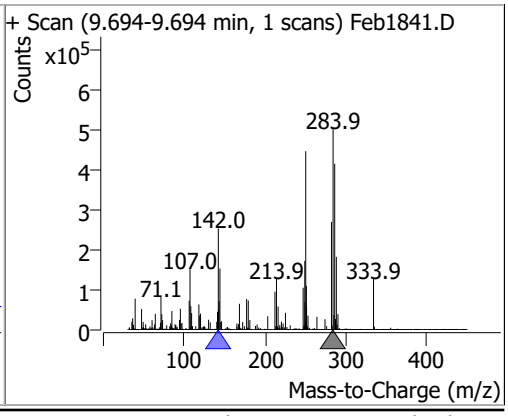




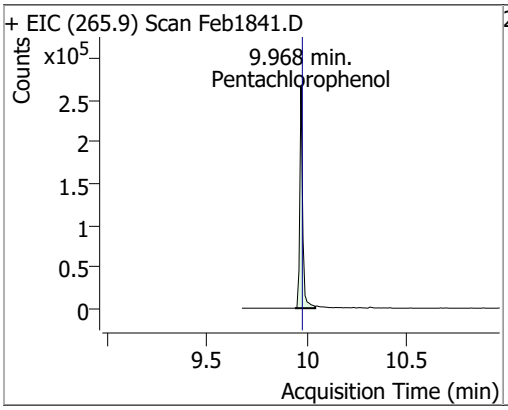
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	95.0792	9.69	0.00	472829	142.0	64.9	37.7	70.0

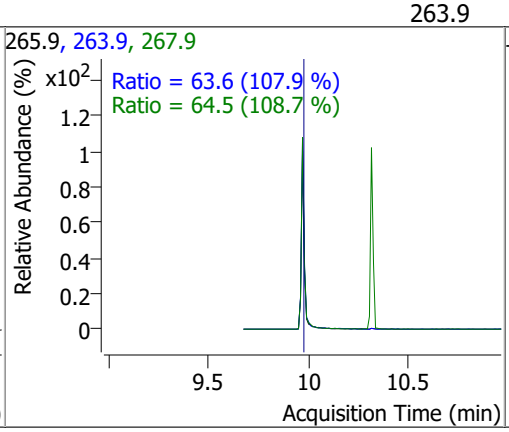


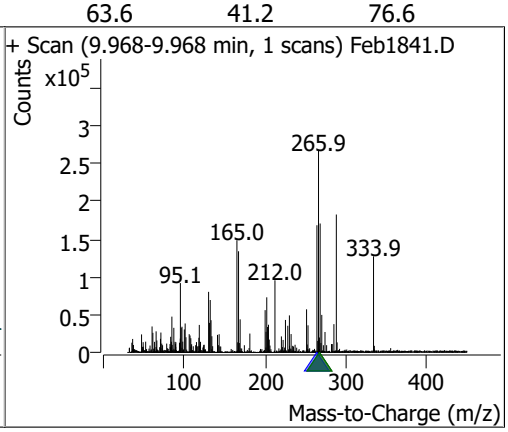




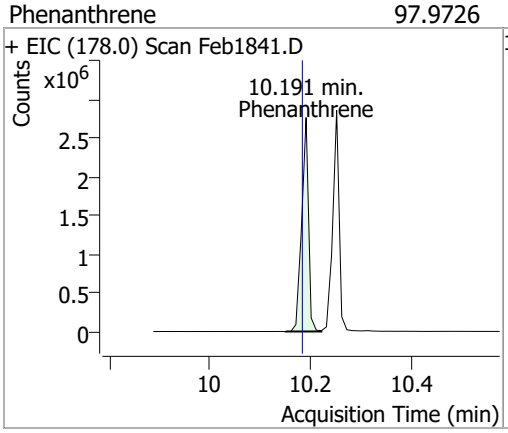
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	106.5344	9.97	0.00	263916	267.9	64.5	41.5	77.2
					263.9	63.6	41.2	76.6

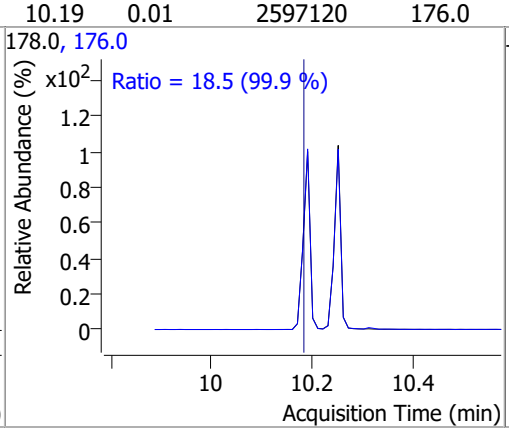


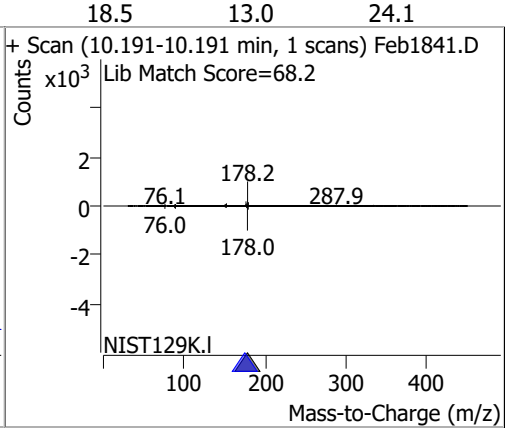




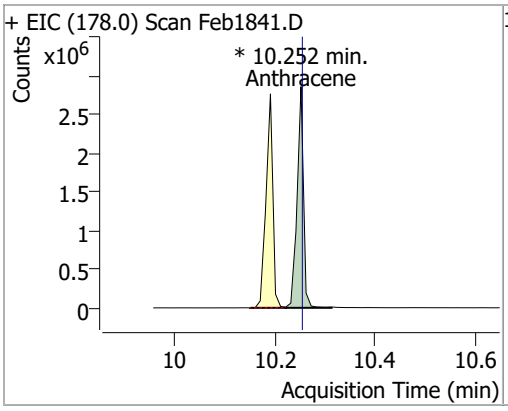
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	97.9726	10.19	0.01	2597120	176.0	18.5	13.0	24.1

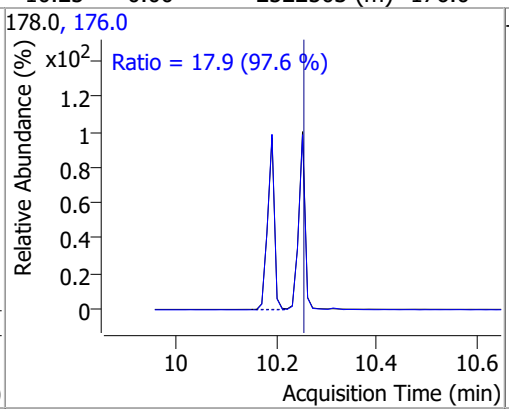


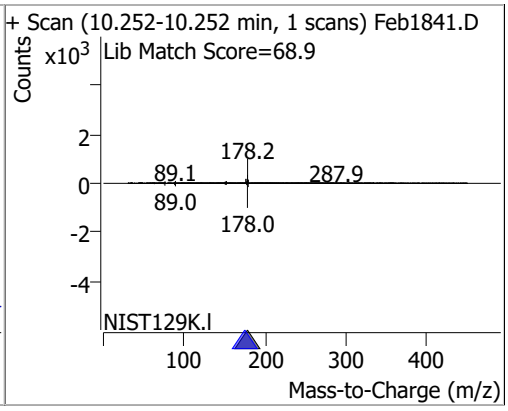




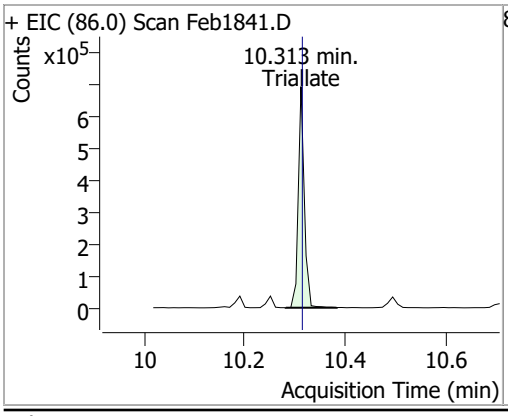
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	99.4103	10.25	0.00	2522503 (m)	176.0	17.9	12.9	23.9

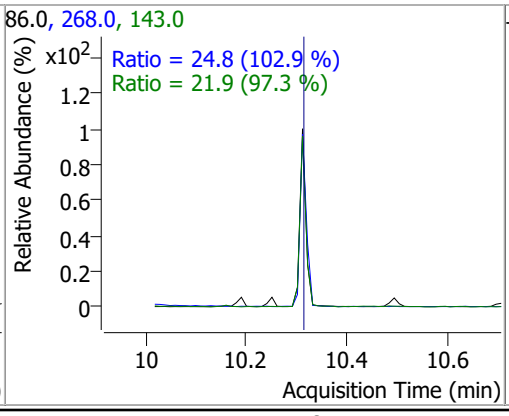


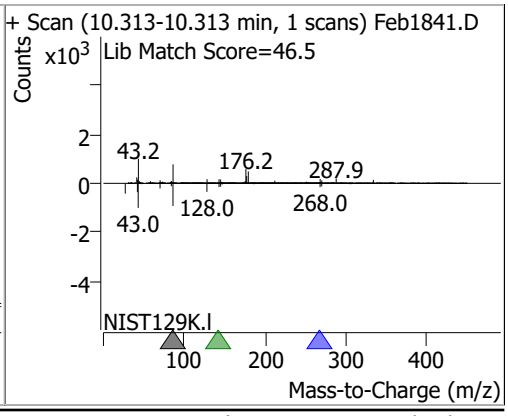




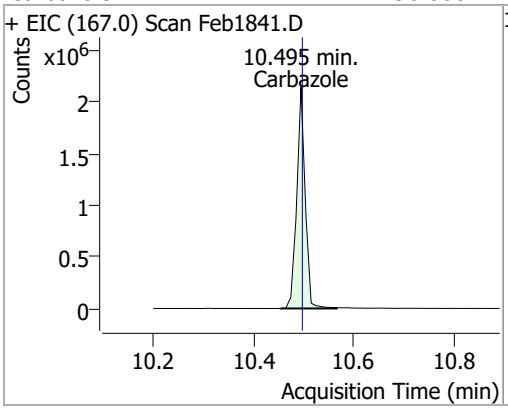
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	92.8873	10.31	0.00	574220	268.0	24.8	16.9	31.4
					143.0	21.9	15.8	29.3

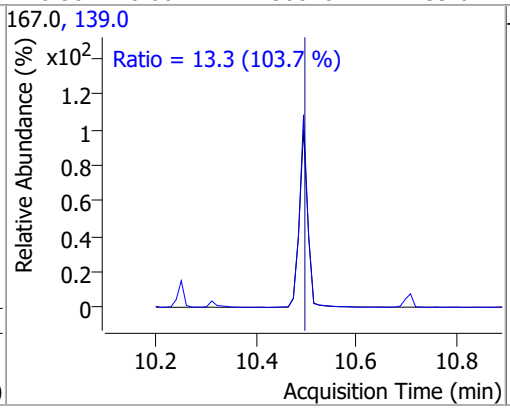


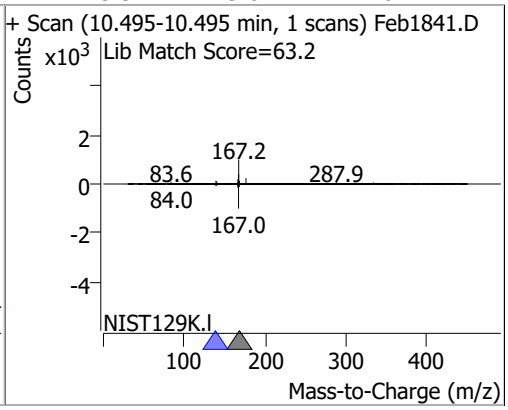




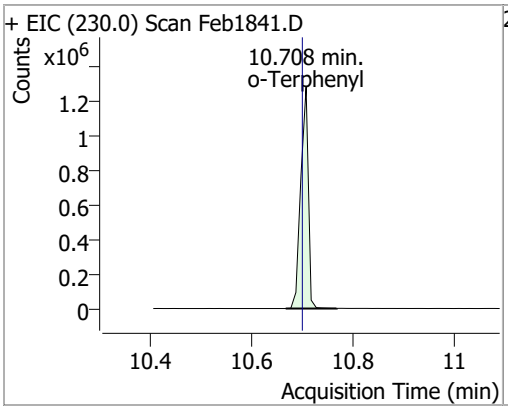
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	96.8861	10.50	0.00	2500184	139.0	13.3	9.0	16.7

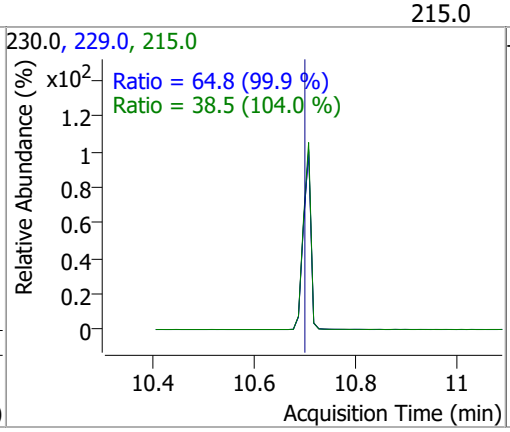


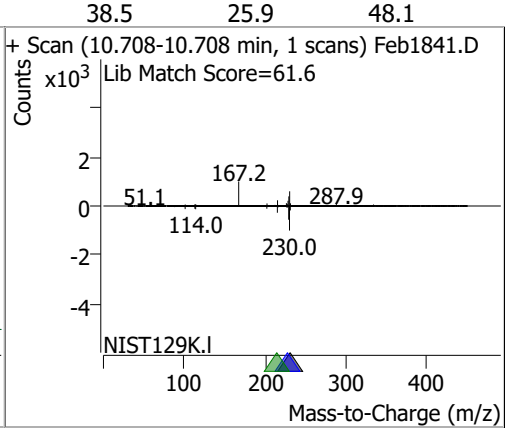




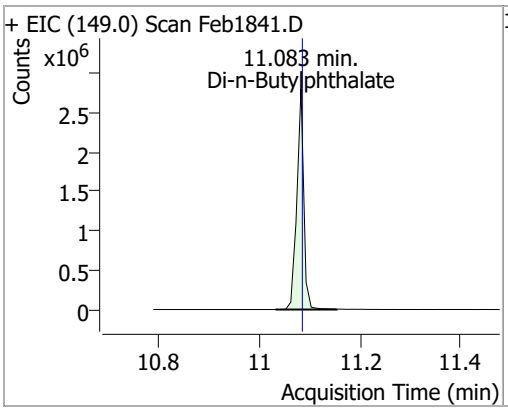
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	94.6955	10.71	0.01	1345987	229.0	64.8	45.4	84.3
					215.0	38.5	25.9	48.1

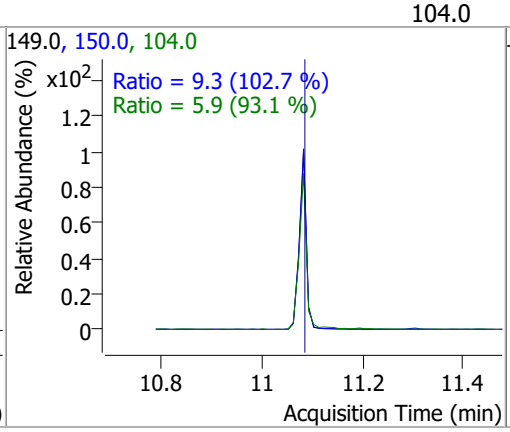


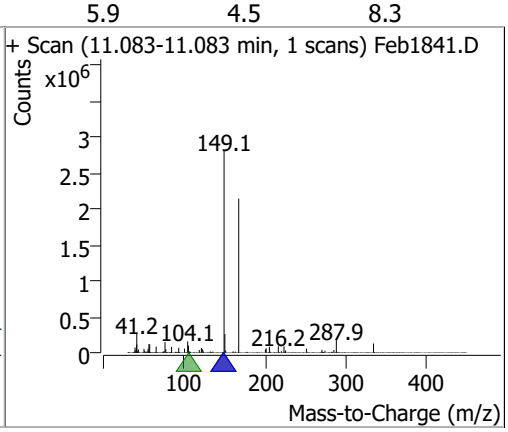




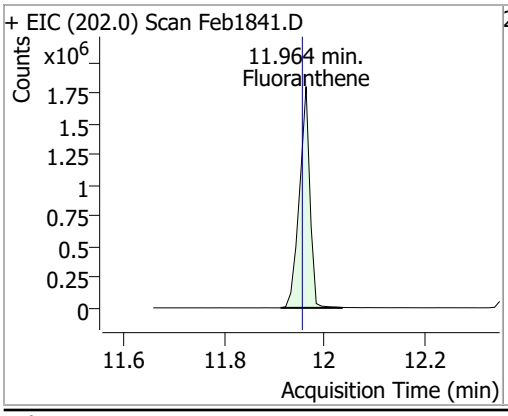
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	104.8621	11.08	0.00	2683804	150.0	9.3	6.3	11.8
					104.0	5.9	4.5	8.3

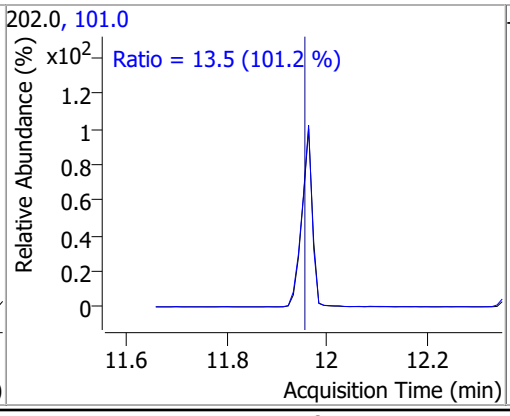


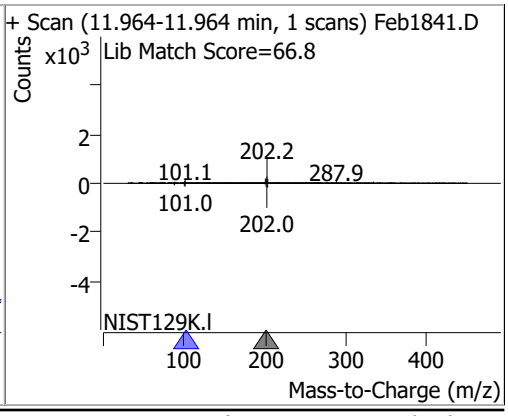




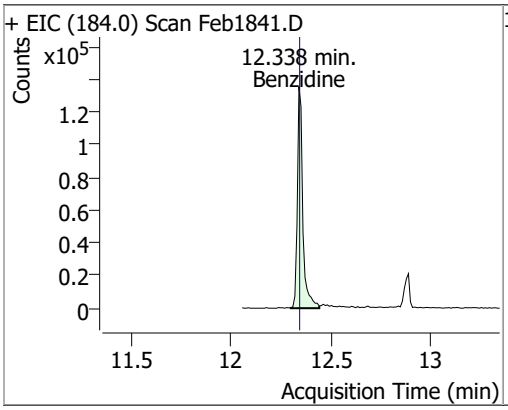
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	96.7888	11.96	0.01	2611607	101.0	13.5	9.4	17.4

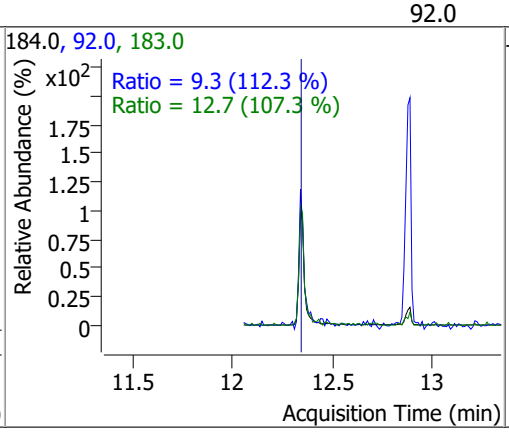


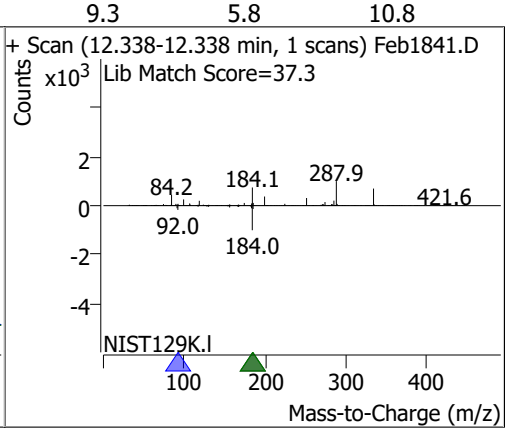




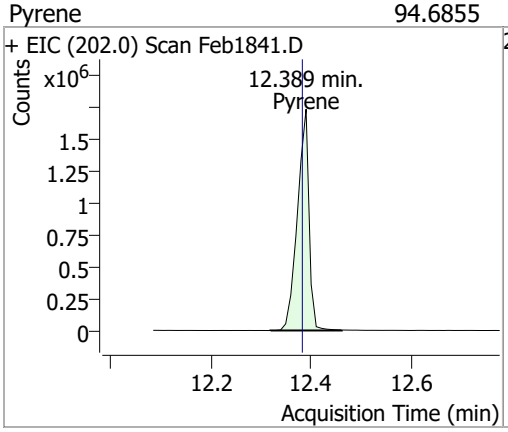
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	25.8912	12.34	-0.01	254837	183.0	12.7	8.3	15.4
					92.0	9.3	5.8	10.8

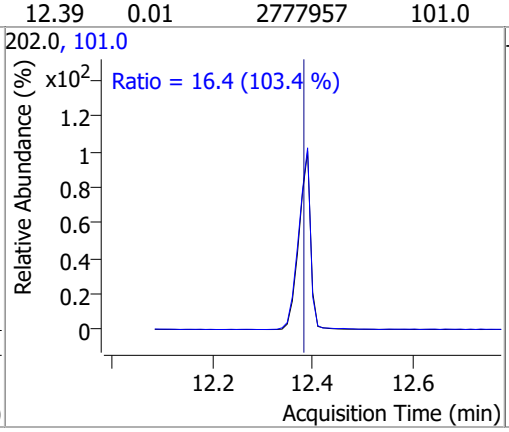


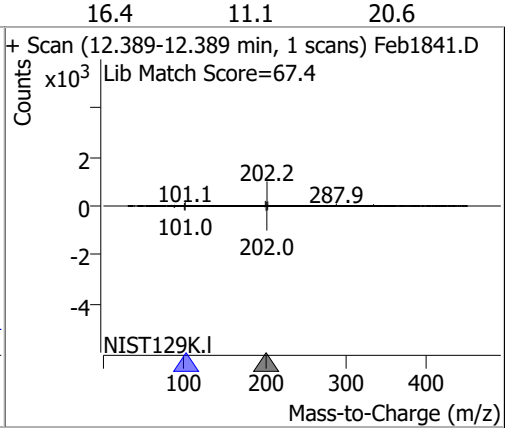




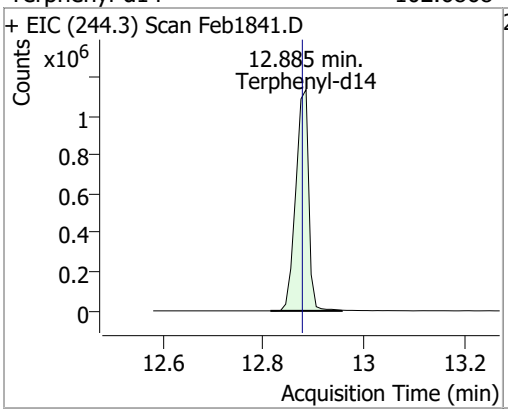
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	94.6855	12.39	0.01	2777957	101.0	16.4	11.1	20.6

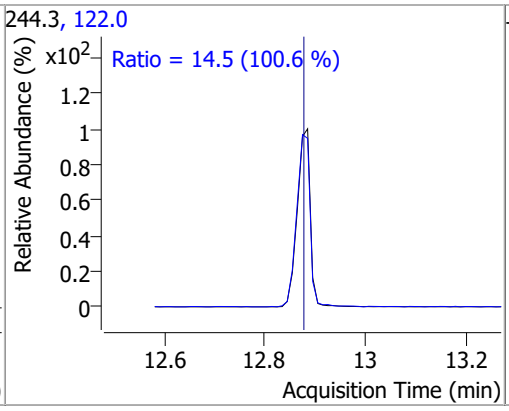


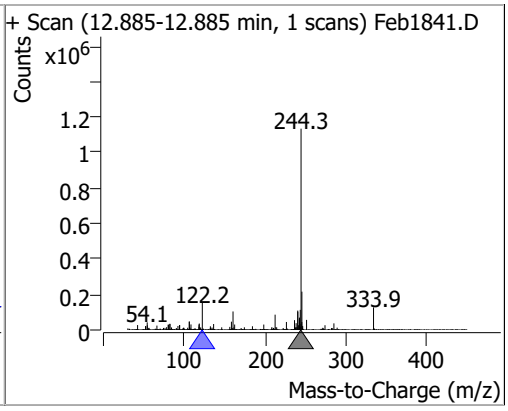




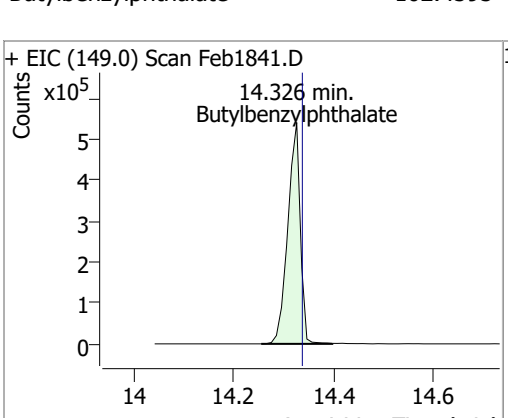
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	102.6868	12.89	0.01	2031418	122.0	14.5	10.1	18.7

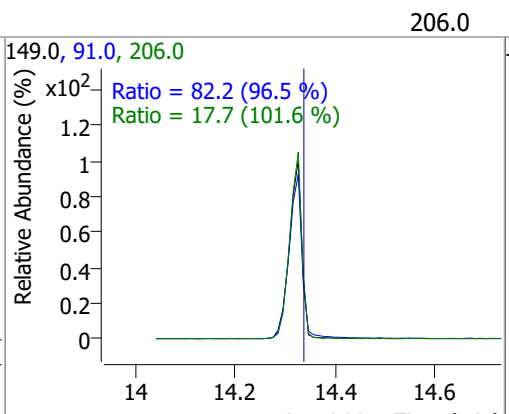


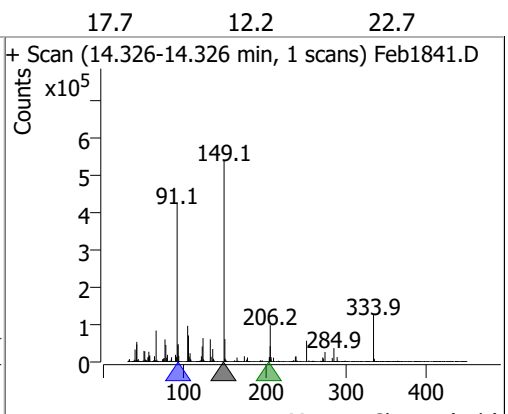




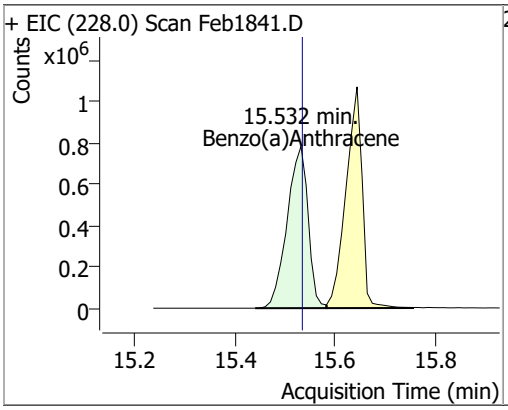
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	102.4595	14.33	0.01	943594	91.0	82.2	59.6	110.6
					206.0	17.7	12.2	22.7

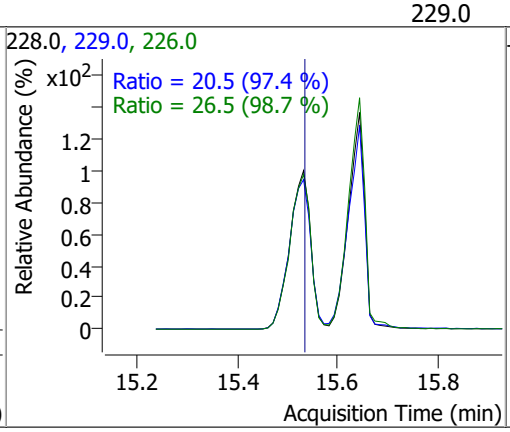


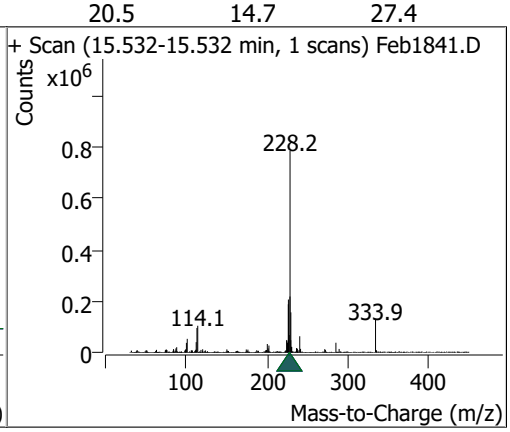




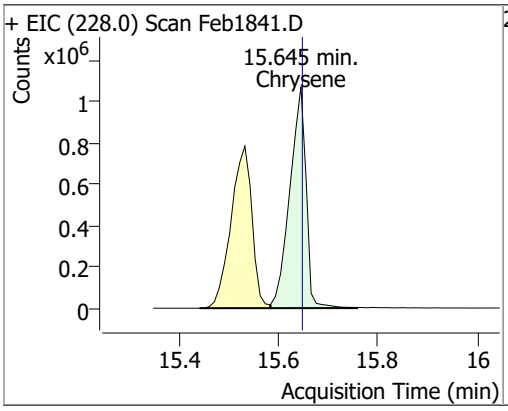
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	100.4443	15.53	0.02	2281378	226.0	26.5	18.8	34.9
					229.0	20.5	14.7	27.4

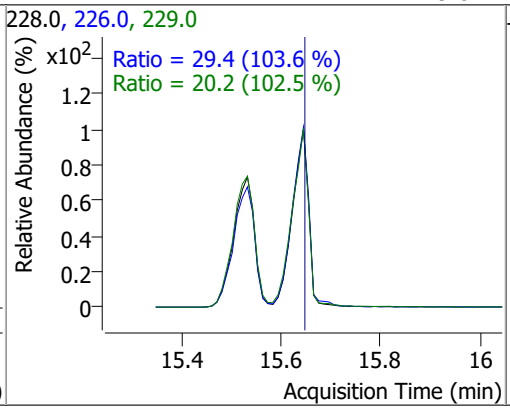


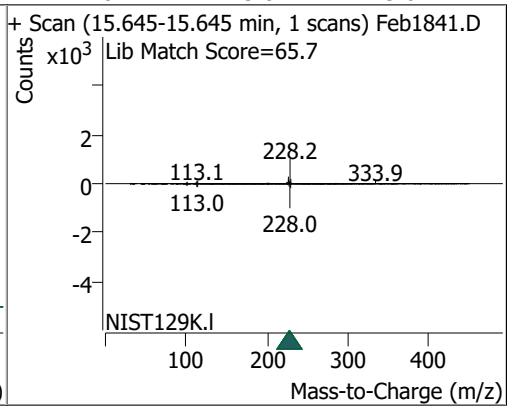




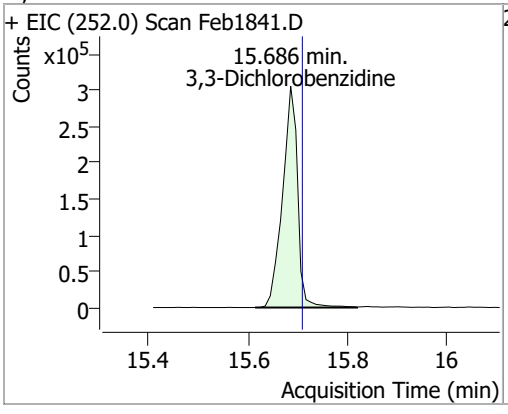
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	96.1450	15.64	0.02	2426176	226.0	29.4	19.9	36.9
					229.0	20.2	13.8	25.6

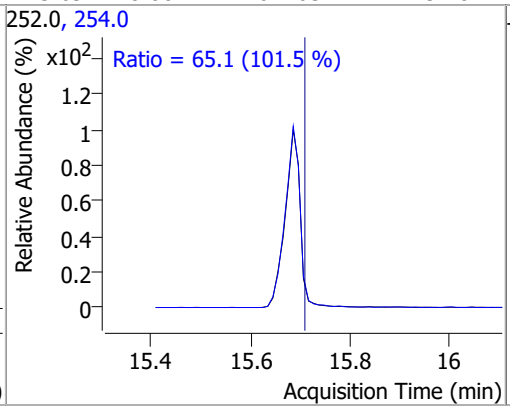


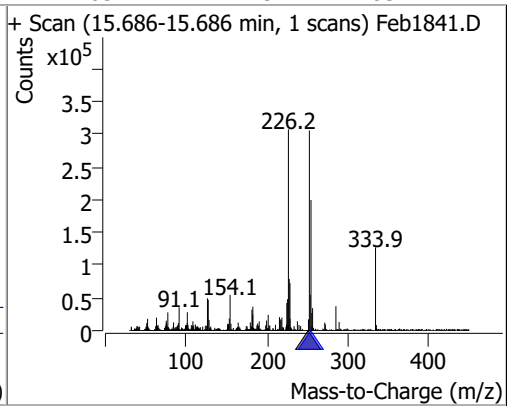




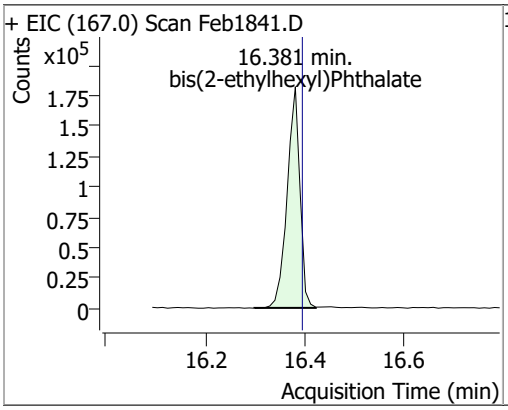
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	79.7772	15.69	0.00	642637	254.0	65.1	44.9	83.4

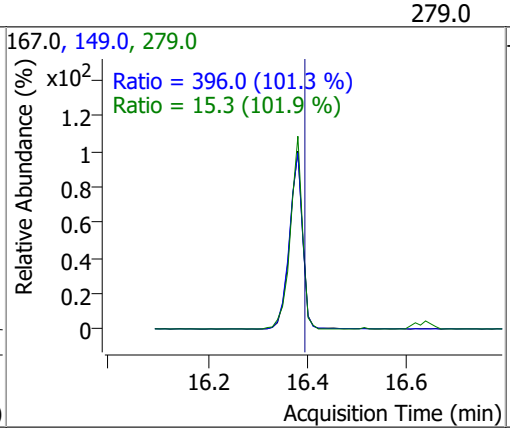


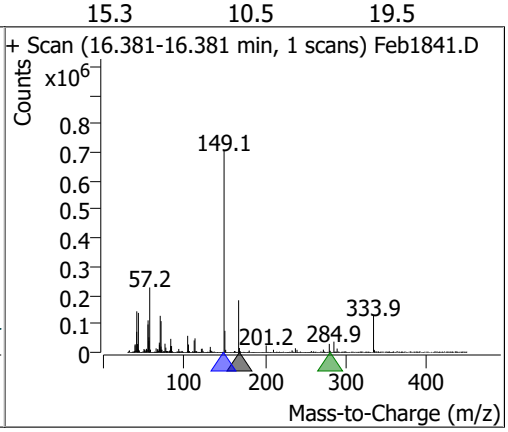




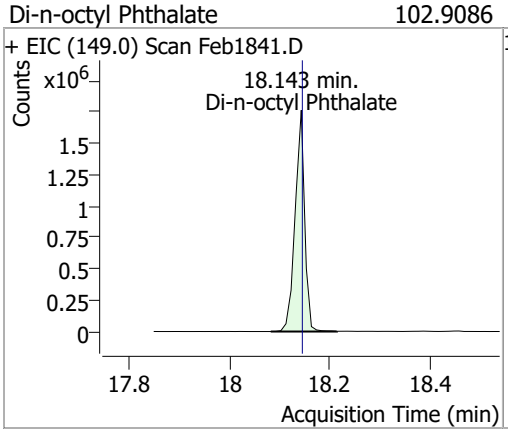
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	101.5948	16.38	0.01	322524	149.0	396.0	273.6	508.0
					279.0	15.3	10.5	19.5

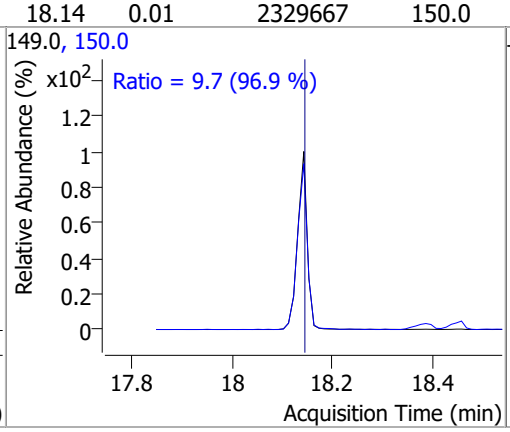


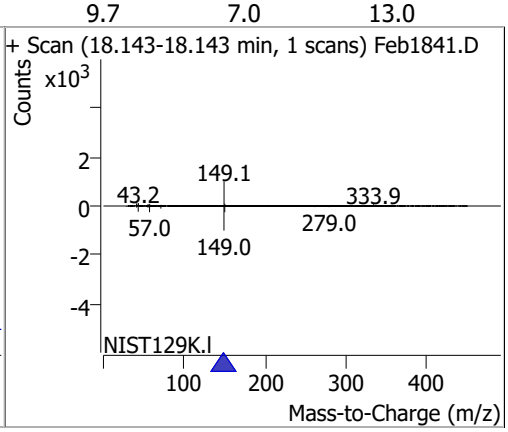




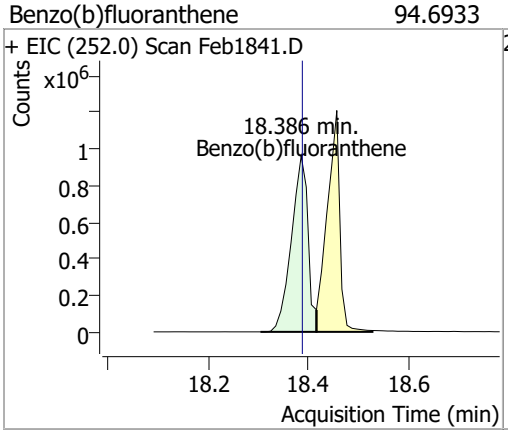
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	102.9086	18.14	0.01	2329667	150.0	9.7	7.0	13.0

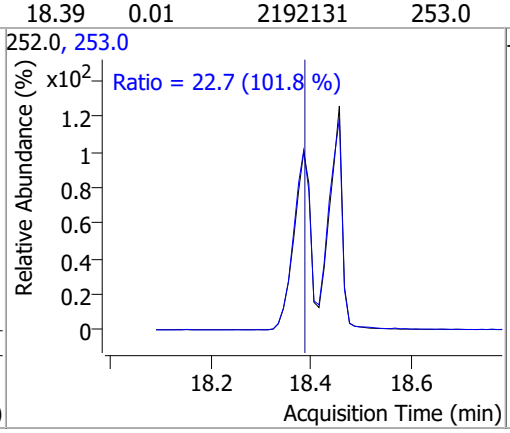


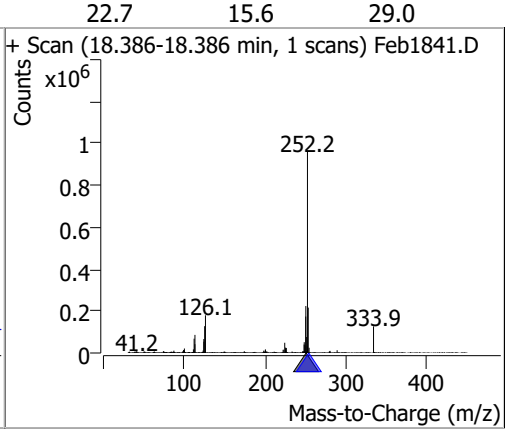




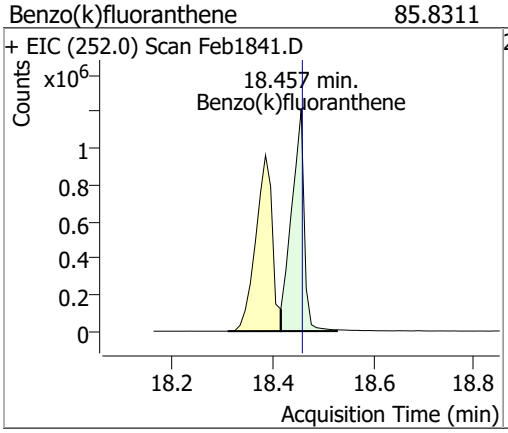
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	94.6933	18.39	0.01	2192131	253.0	22.7	15.6	29.0

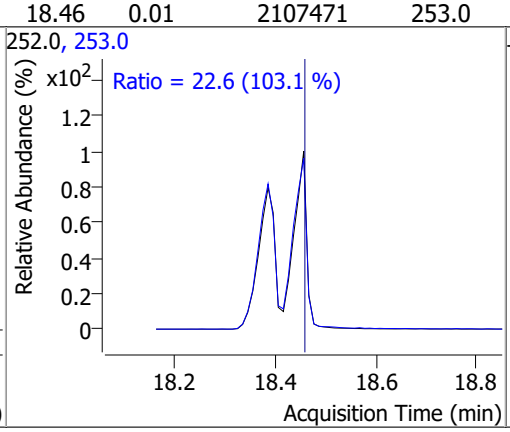


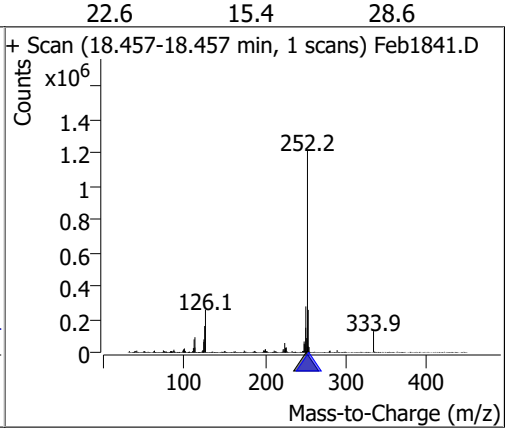




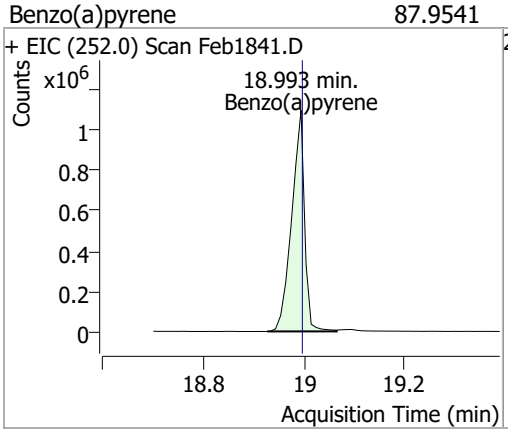
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	85.8311	18.46	0.01	2107471	253.0	22.6	15.4	28.6

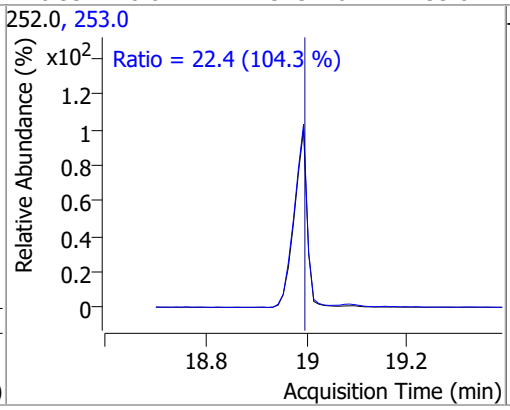


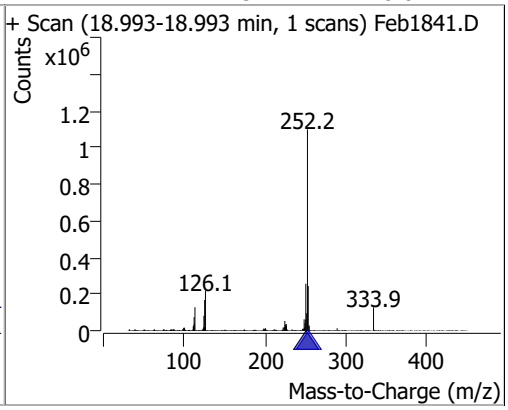




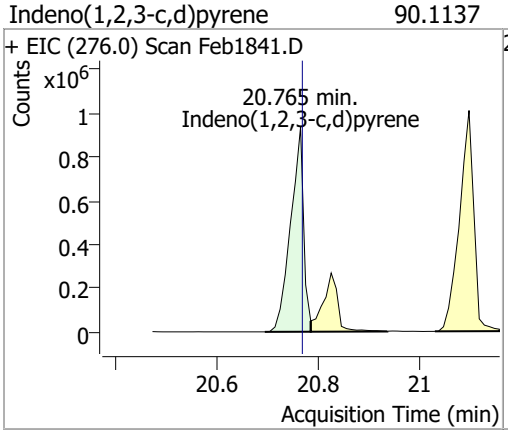
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	87.9541	18.99	0.01	1943146	253.0	22.4	15.1	28.0

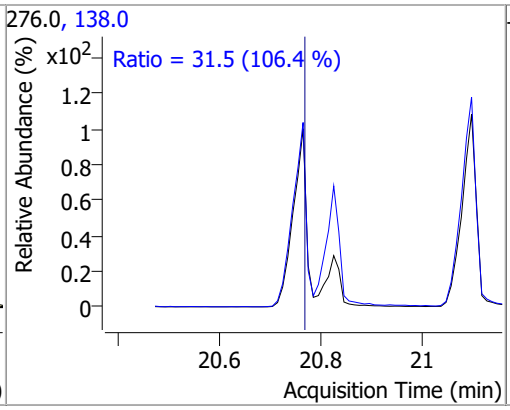


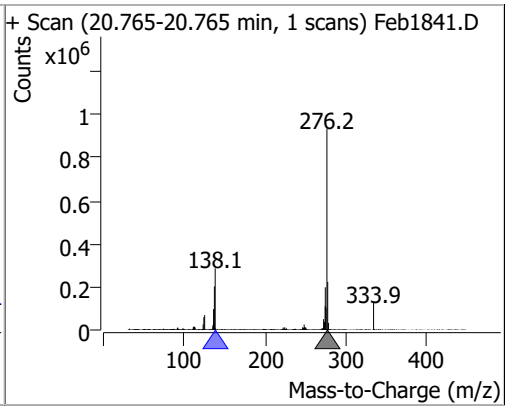




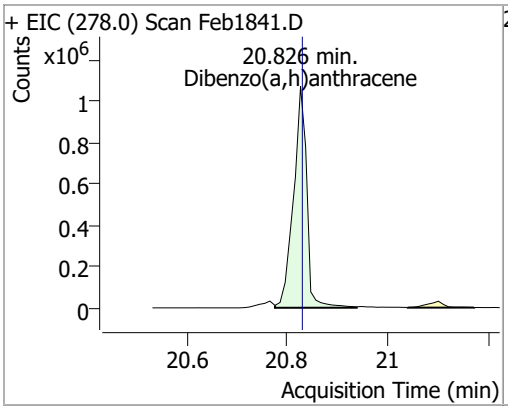
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	90.1137	20.77	0.01	1668374	138.0	31.5	20.7	38.5

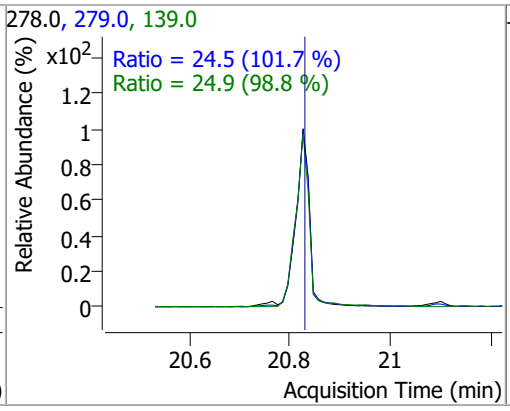


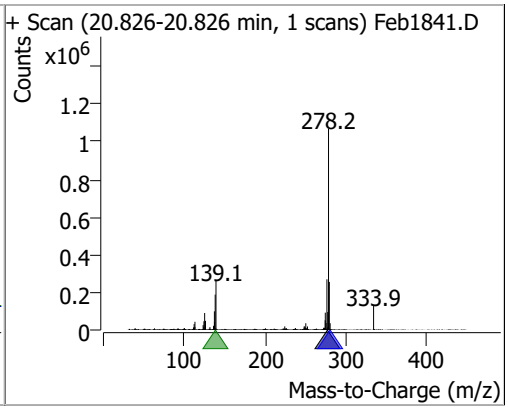




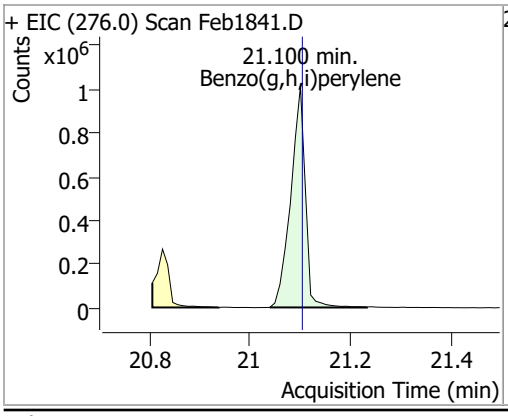
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	96.6373	20.83	0.01	1950741	139.0	24.9	17.6	32.7
					279.0	24.5	16.9	31.3

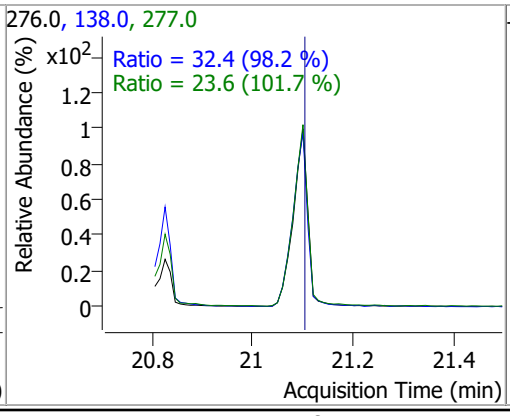


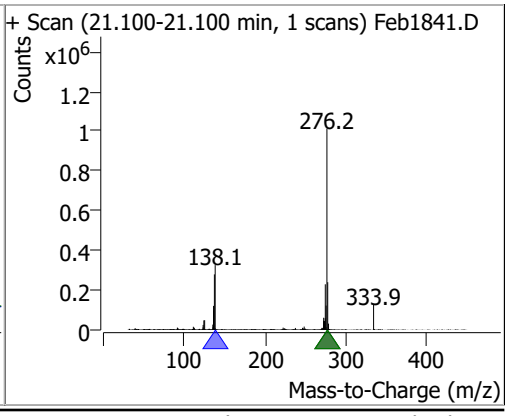




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	94.6836	21.10	0.01	2021136	138.0	32.4	23.1	42.9
					277.0	23.6	16.3	30.2

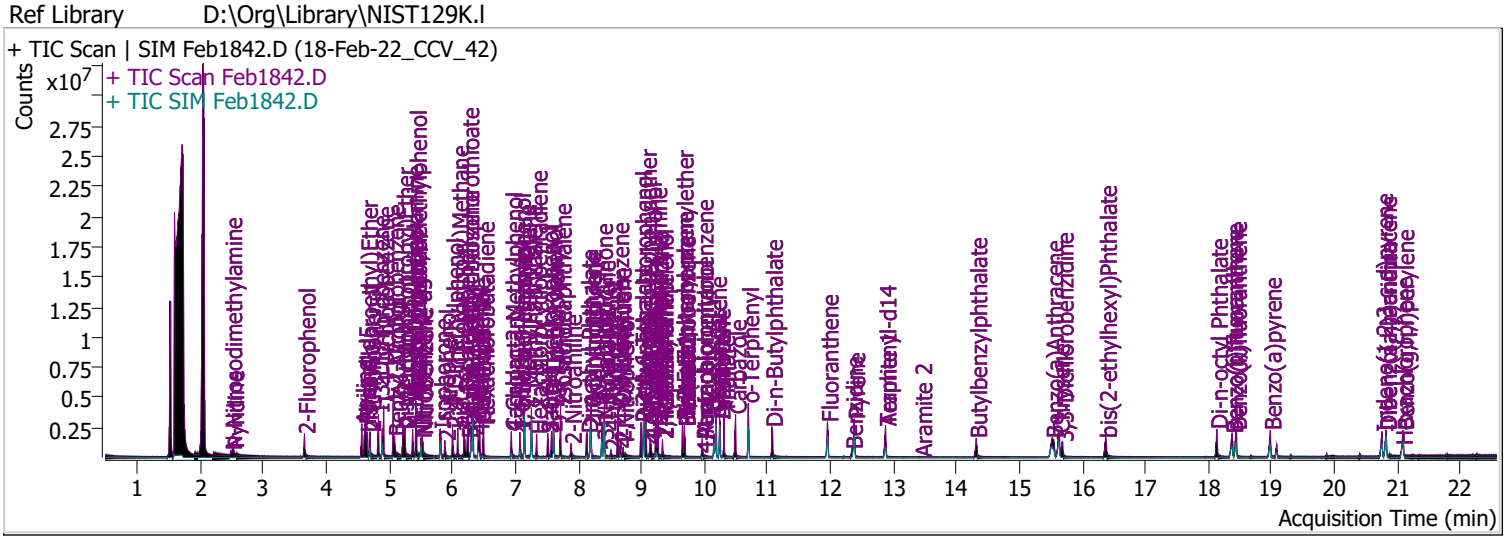






Quantitation Results Report (QT Reviewed)

Data File	Feb1842.D	Operator	LIMS import
Acq. Method	BNA+SIM.M	Acq. Date-Time	2/20/2022 5:53:39 AM
Sample Name	18-Feb-22_CCV_42	Instrument	Instrument #1
Vial	42	Multiplier	1.00
DA Method File	021822 DoD BNA cal.batch.bin	Comment	SVOC-8270-W-LARGO
Tune File	dftppdsm.u	Tune Date	2/18/2022 9:25:00 PM
Batch Name	021822 DoD BNA 2.batch.bin	Last Calib Update	2/20/2022 11:08:57 AM
Ref Library	D:\Org\Library\NIST129K.l		



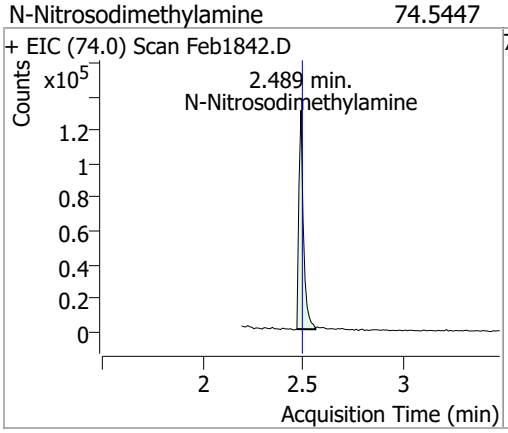
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 2-Fluorophenol	3.653	112.0	632469	78.9458	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 75.0%			Recovery = 39.47%			
S Phenol-d5	4.613	99.0	831417	80.8356	µg/L		0.000
Spiked Amount: 200.000	Range: 10.0 - 65.0%			Recovery = 40.42%			
S Nitrobenzene-d5	5.502	82.0	453304	78.9307	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 94.0%			Recovery = 78.93%			
S 2-Fluorobiphenyl	7.605	172.0	1209505	72.8566	µg/L		0.000
Spiked Amount: 100.000	Range: 28.0 - 107.0%			Recovery = 72.86%			
S 2,4,6-Tribromophenol	9.336	329.8	106504	79.5208	µg/L		0.000
Spiked Amount: 200.000	Range: 25.0 - 140.0%			Recovery = 39.76%			
S Terphenyl-d14	12.875	244.3	1296361	76.9385	µg/L		0.000
Spiked Amount: 100.000	Range: 32.0 - 122.0%			Recovery = 76.94%			
Target Compounds							**QValue**
T N-Nitrosodimethylamine	2.489	74.0	180624	74.5447	µg/L		97
T Pyridine	2.520	79.0	461712	75.4272	µg/L		94
T Aniline	4.562	93.0	1108434	75.6670	µg/L		98
T Phenol	4.624	94.0	927330	80.8613	µg/L		99
T bis(-2-Chloroethyl)Ether	4.644	63.0	609776	78.7687	µg/L		99
T 2-Chlorophenol	4.695	128.0	730906	80.0424	µg/L		100
T 1,3-Dichlorobenzene	4.828	146.0	914413	78.3036	µg/L		98
T 1,4-Dichlorobenzene	4.910	146.0	939175	80.2777	µg/L	m	99
T 1,2-Dichlorobenzene	5.063	146.0	946577	83.6453	µg/L		100
T Benzyl Alcohol	5.083	108.0	380594	81.7192	µg/L		96
T bis(2-chloroisopropyl)Ether	5.216	121.0	246522	80.2562	µg/L		97
T 2-Methylphenol	5.247	107.0	609587	76.5815	µg/L		99
T N-nitroso-Di-n-propylamine	5.369	70.0	434163	79.1186	µg/L		99
T 4Methylphenol/3Methylphenol	5.420	107.0	881208	81.4692	µg/L		96
T Hexachloroethane	5.420	117.0	272022	77.6067	µg/L		99

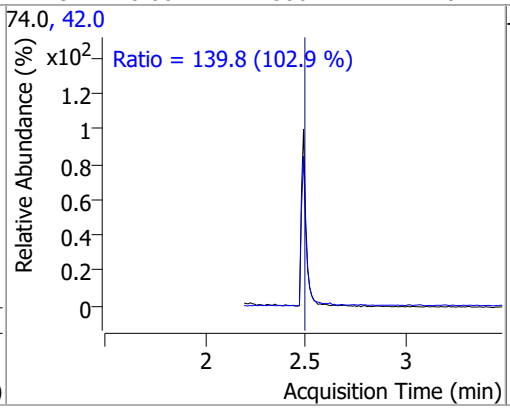
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Nitrobenzene	5.522	123.1	211632	72.8037	µg/L		99
T Isophorone	5.808	82.0	1136409	82.5799	µg/L		99
T 2-Nitrophenol	5.880	139.0	234003	76.3659	µg/L		96
T 2,4-Dimethylphenol	6.003	122.0	451765	70.2403	µg/L		98
T bis(-2-Chloroethoxy)Methane	6.085	93.0	612776	76.5555	µg/L		93
T 2,4-Dichlorophenol	6.188	162.0	494856	80.8138	µg/L		96
T Benzoic Acid	6.239	105.0	289864	85.8008	µg/L		91
T 1,2,4-Trichlorobenzene	6.249	180.0	605690	83.0739	µg/L		98
T Naphthalene	6.331	128.0	1732032	79.5020	µg/L		99
T 4-Chlorophenol	6.414	130.0	191424	83.3658	µg/L		96
T p-Chloroaniline	6.434	127.0	707560	83.3527	µg/L		100
T Hexachlorobutadiene	6.496	224.9	301995	79.2888	µg/L		99
T 4-Chloro-2-Methylphenol	6.937	107.0	451356	79.6139	µg/L	m	98
T 4-Chloro-3-Methylphenol	7.071	107.0	466184	78.7409	µg/L	m	97
T 2-Methylnaphthalene	7.143	141.0	929354	75.2665	µg/L		98
T 1-Methylnaphthalene	7.256	141.0	920061	76.3567	µg/L		98
T Hexachlorocyclopentadiene	7.338	236.9	182408	77.8645	µg/L		99
T 2,4,6-Trichlorophenol	7.512	196.0	314806	76.9796	µg/L		99
T 2,4,5-Trichlorophenol	7.574	196.0	356620	77.9272	µg/L		96
T 2-Chloronaphthalene	7.718	162.0	1165748	83.6045	µg/L		98
T 2-Nitroaniline	7.882	65.0	175467	70.8549	µg/L		97
T Dimethyl Phthalate	8.139	163.0	1121610	79.9946	µg/L		99
T 2,6-Dinitrotoluene	8.190	165.0	152360	79.0854	µg/L		93
T Acenaphthylene	8.200	152.1	1678261	75.2549	µg/L		99
T 3-Nitroaniline	8.395	138.0	167083	76.5859	µg/L		96
T Acenaphthene	8.415	154.0	1003914	78.3655	µg/L		99
T 2,4-Dinitrophenol	8.517	184.0	69824	73.3850	µg/L		96
T Dibenzofuran	8.630	168.0	1703384	81.3679	µg/L		100
T 2,4-Dinitrotoluene	8.671	165.0	203466	83.9232	µg/L		98
T 4-Nitrophenol	8.712	109.0	186878	78.8243	µg/L		97
T Diethylphthalate	8.998	149.0	1223793	83.7072	µg/L		99
T Fluorene	9.039	166.0	1381686	82.4029	µg/L		100
T 4-Chlorophenyl-phenylether	9.070	204.0	560241	74.2581	µg/L		97
T 4-Nitroaniline	9.141	138.0	182657	78.1488	µg/L		98
T 4,6-Dinitro-2-methylphenol	9.152	198.0	105407	75.0043	µg/L		100
T N-nitrosodiphenylamine	9.233	169.0	892717	81.0355	µg/L		100
T Azobenzene	9.264	77.0	1186541	81.2778	µg/L		90
T 4-Bromophenyl-phenylether	9.653	248.0	306957	74.3581	µg/L		98
T Hexachlorobenzene	9.684	283.9	327758	77.2619	µg/L		100
T Pentachlorophenol	9.968	265.9	173172	86.4769	µg/L		94
T Phenanthrene	10.181	178.0	1794029	78.1892	µg/L		99
T Anthracene	10.242	178.0	1711458	79.1897	µg/L		99
T Triallate	10.313	86.0	452011	86.7288	µg/L		98
T Carbazole	10.495	167.0	1763543	80.4208	µg/L		99
T o-Terphenyl	10.698	230.0	950927	78.1797	µg/L		99
T Di-n-Butylphthalate	11.072	149.0	1701272	81.8939	µg/L		99
T Fluoranthene	11.954	202.0	1840223	80.1775	µg/L		99
T Benzidine	12.338	184.0	459537	55.3115	µg/L		100
T Pyrene	12.379	202.0	1982079	79.1507	µg/L		98
T Butylbenzylphthalate	14.316	149.0	578549	81.4194	µg/L		99
T Benzo(a)Anthracene	15.522	228.0	1490979	79.7402	µg/L		99
T Chrysene	15.624	228.0	1621310	77.3713	µg/L		99
T 3,3-Dichlorobenzidine	15.686	252.0	515060	77.9293	µg/L		99
T bis(2-ethylhexyl)Phthalate	16.370	167.0	200412	81.8497	µg/L		99
T Di-n-octyl Phthalate	18.133	149.0	1395190	83.4971	µg/L		99

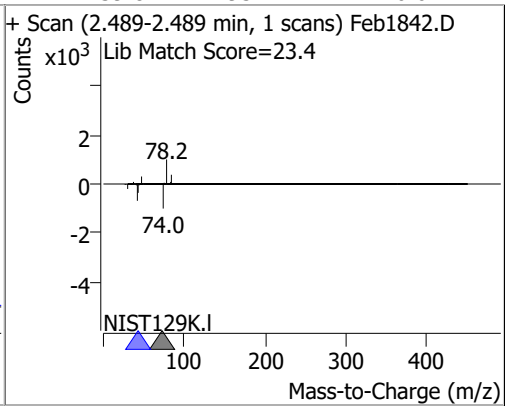
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Benzo(b)fluoranthene	18.376	252.0	1463054	80.4444	µg/L	100
T Benzo(k)fluoranthene	18.436	252.0	1515832	79.1549	µg/L	98
T Benzo(a)pyrene	18.983	252.0	1351965	78.4149	µg/L	99
T Indeno(1,2,3-c,d)pyrene	20.755	276.0	1133416	78.3448	µg/L	94
T Dibenzo(a,h)anthracene	20.816	278.0	1266606	80.4120	µg/L	98
T Benzo(g,h,i)perylene	21.090	276.0	1317907	79.0266	µg/L	99

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

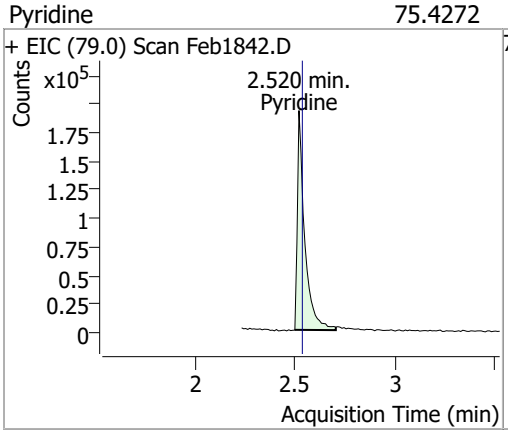
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-Nitrosodimethylamine	74.5447	2.49	0.00	180624	42.0	139.8	95.1	176.6

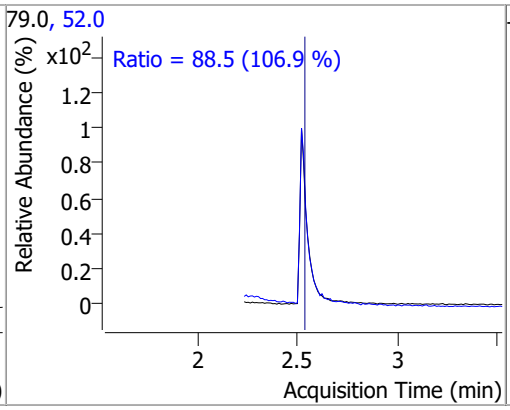


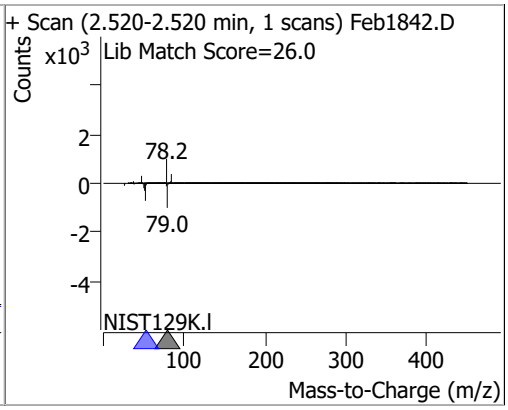




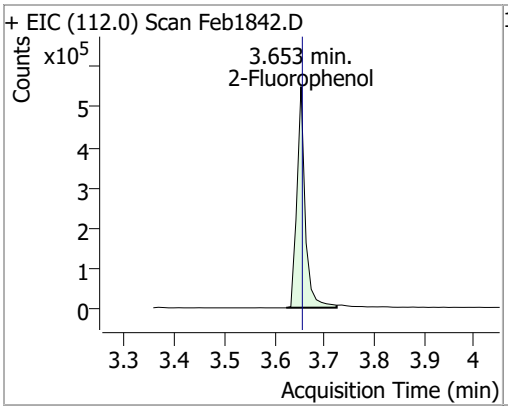
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyridine	75.4272	2.52	-0.01	461712	52.0	88.5	57.9	107.6

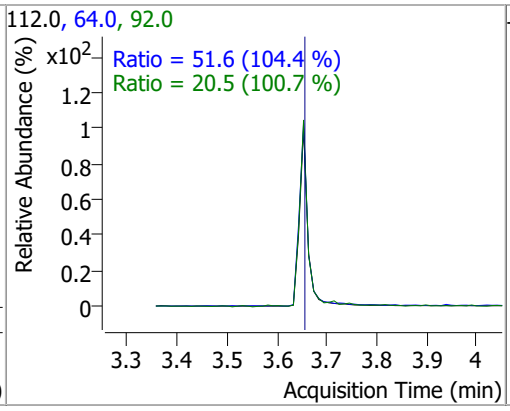


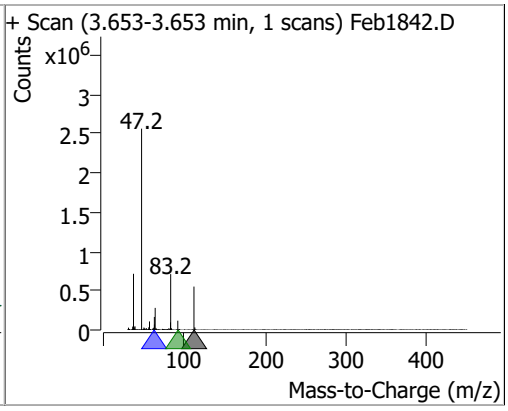




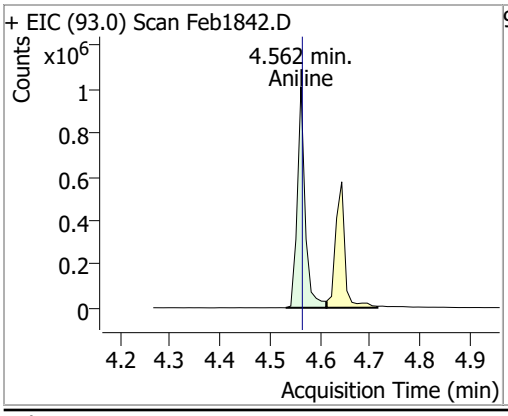
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorophenol	78.9458	3.65	0.00	632469	64.0	51.6	34.6	64.3
					92.0	20.5	14.2	26.5

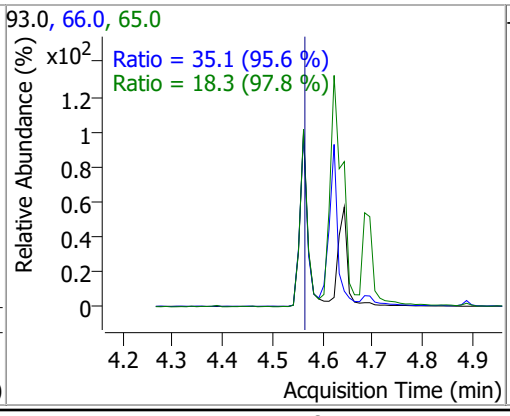


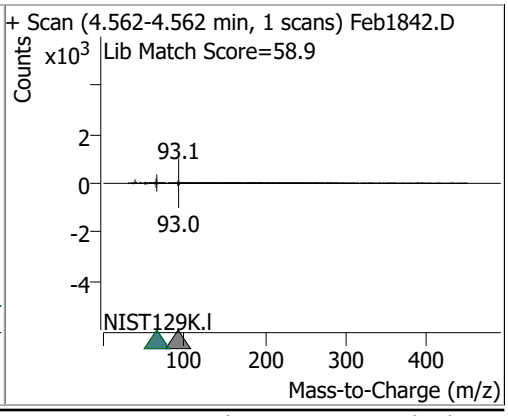




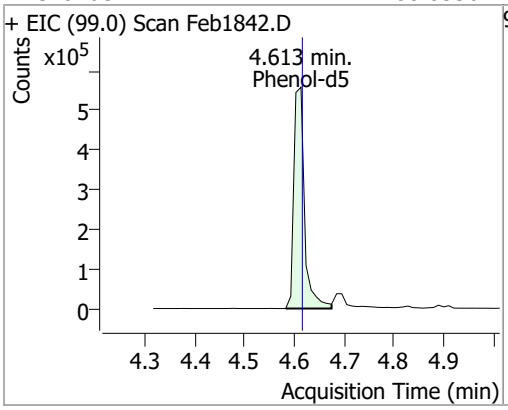
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aniline	75.6670	4.56	0.00	1108434	66.0	35.1	25.7	47.8
					65.0	18.3	13.1	24.4

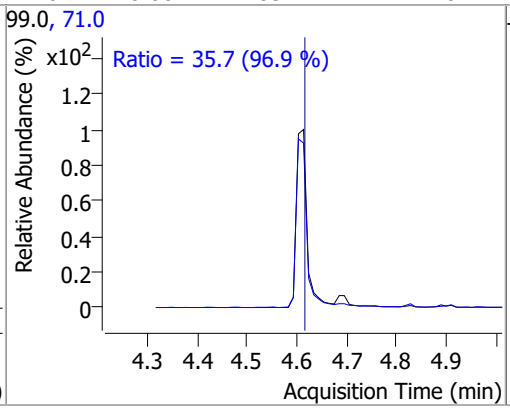


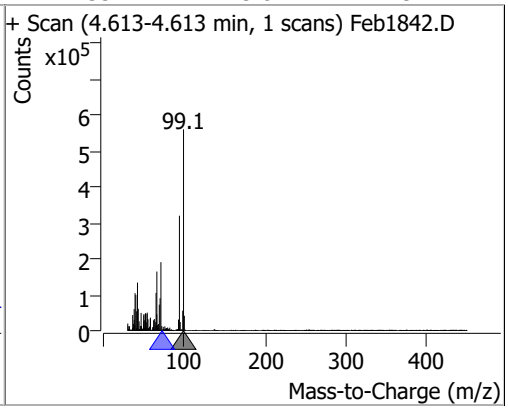




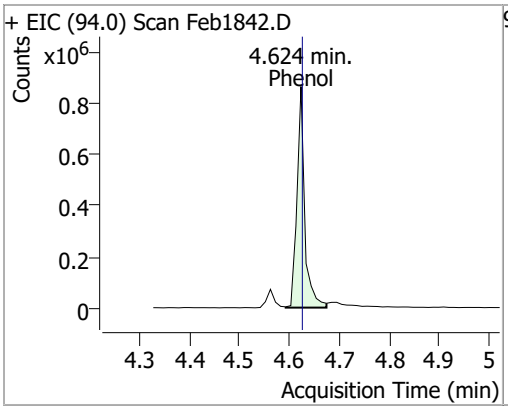
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol-d5	80.8356	4.61	0.00	831417	71.0	35.7	25.8	47.9

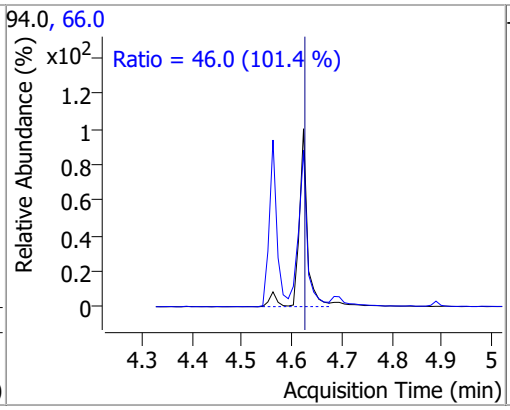


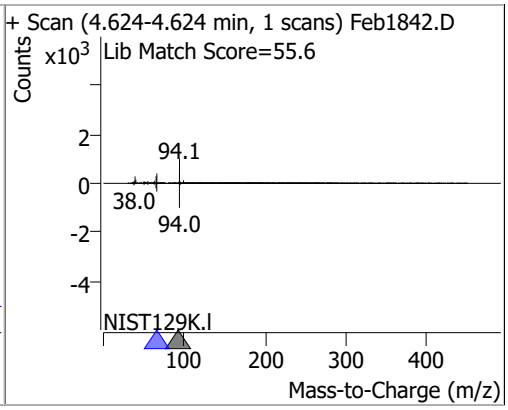




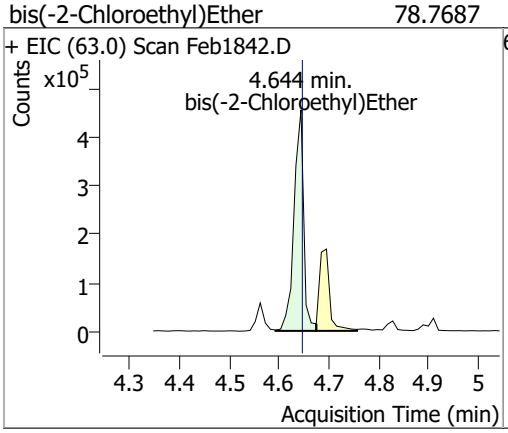
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenol	80.8613	4.62	0.00	927330	66.0	46.0	31.7	58.9

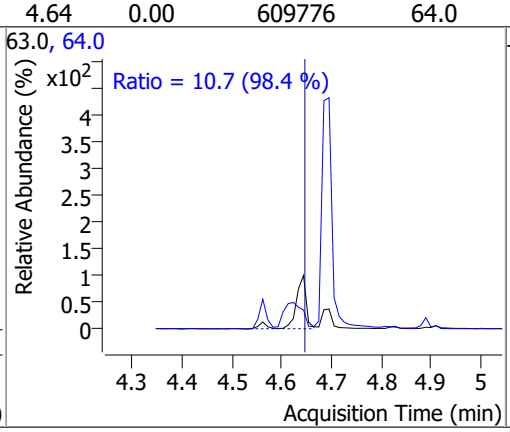


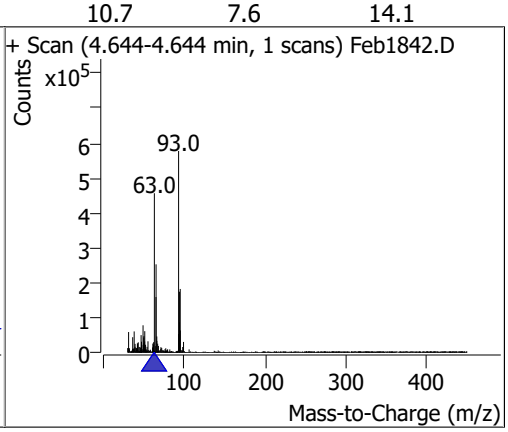




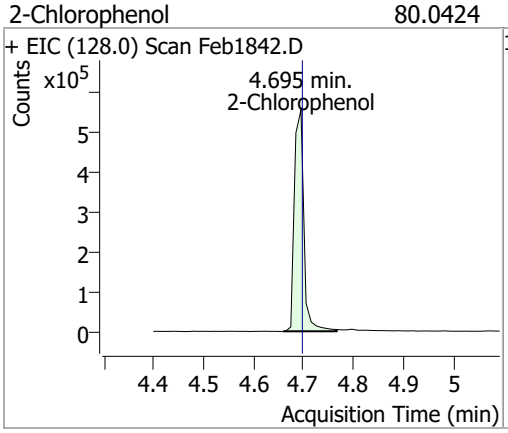
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethyl)Ether	78.7687	4.64	0.00	609776	64.0	10.7	7.6	14.1

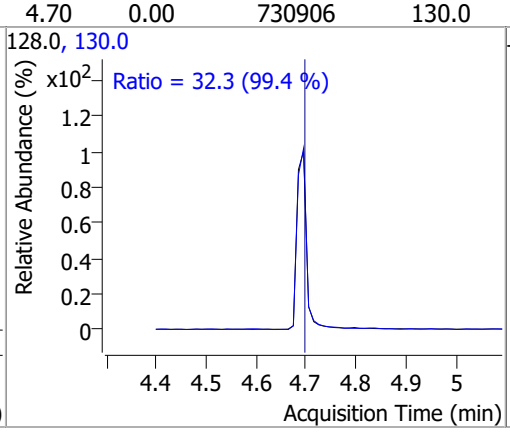


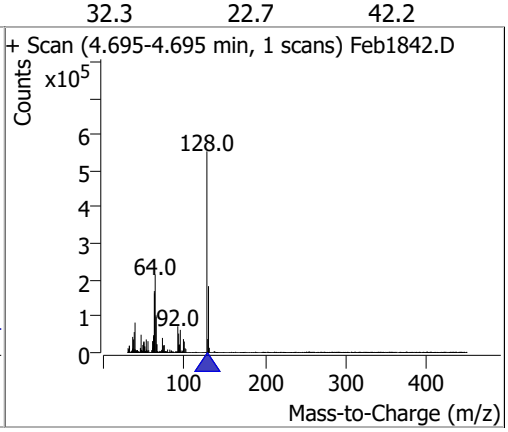




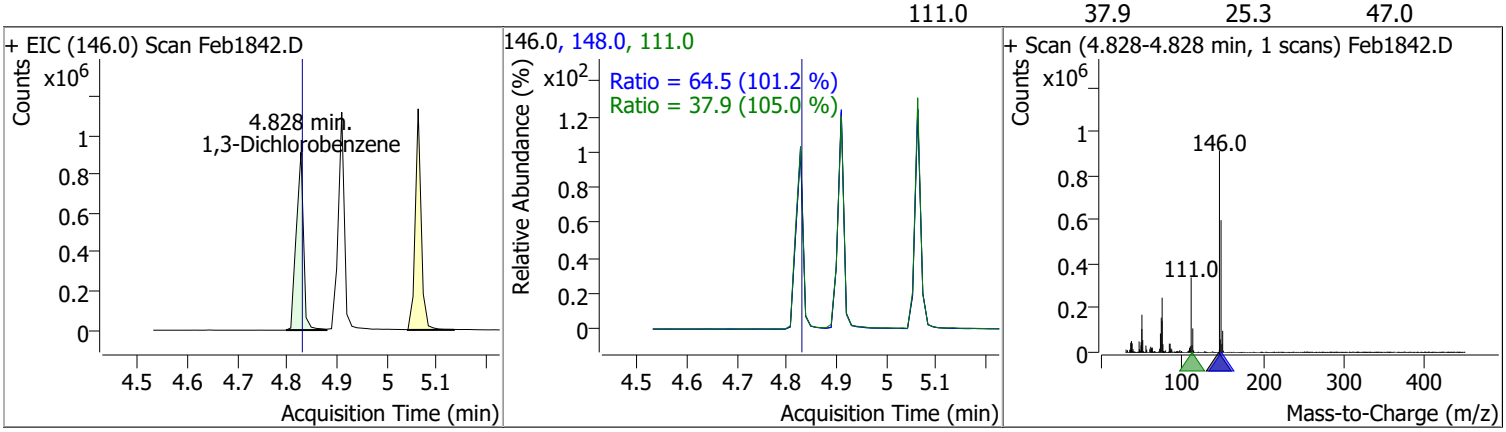
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chlorophenol	80.0424	4.70	0.00	730906	130.0	32.3	22.7	42.2



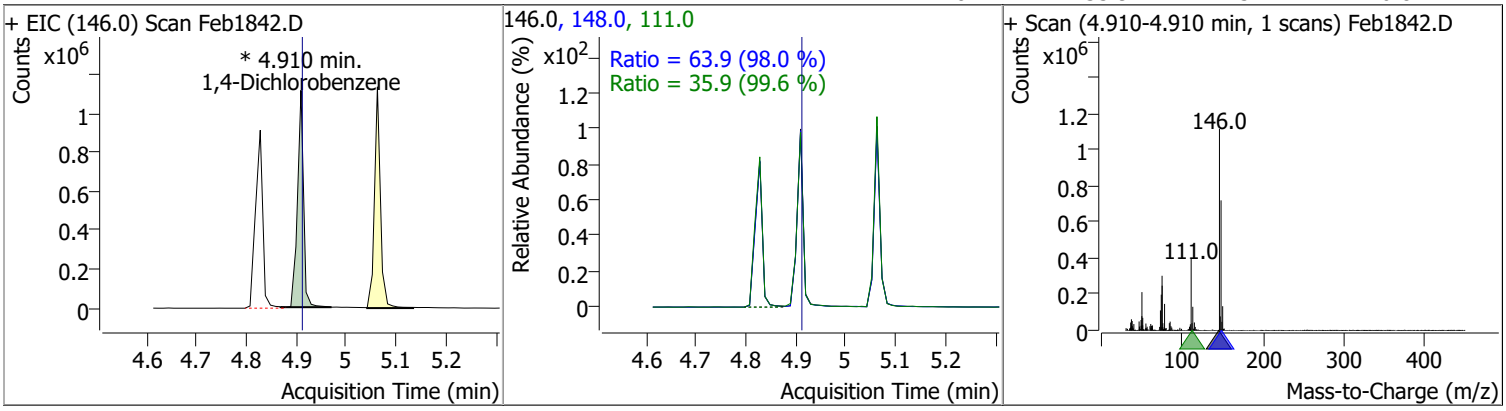




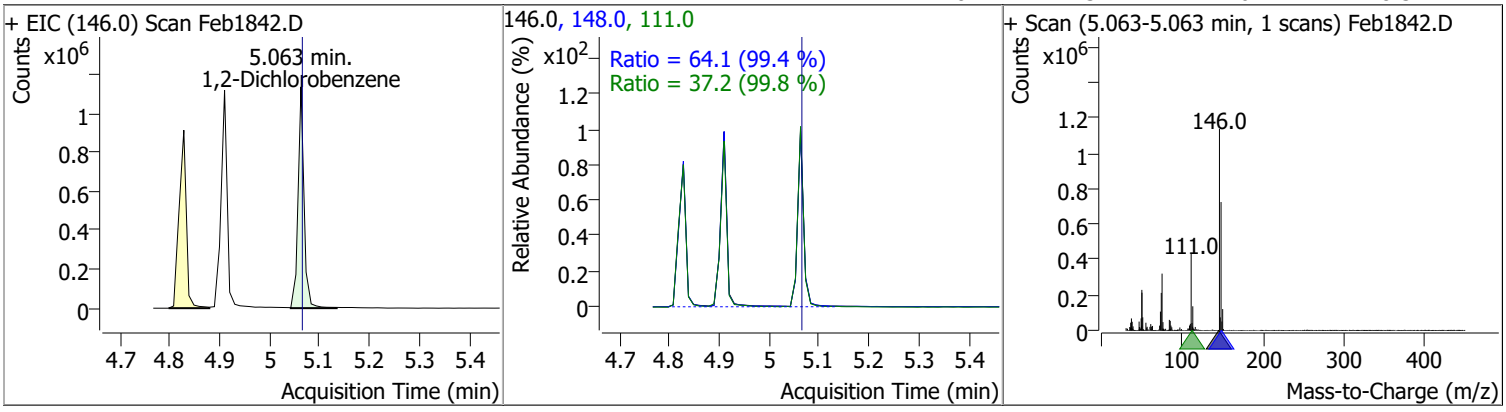
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,3-Dichlorobenzene	78.3036	4.83	0.00	914413	148.0	64.5	44.6	82.8
					111.0	37.9	25.3	47.0



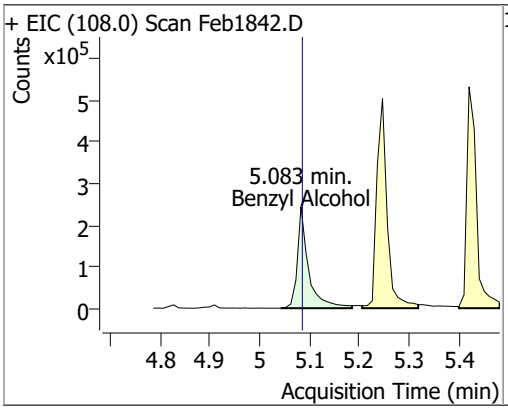
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,4-Dichlorobenzene	80.2777	4.91	0.00	939175 (m)	148.0	63.9	45.6	84.8
					111.0	35.9	25.2	46.8

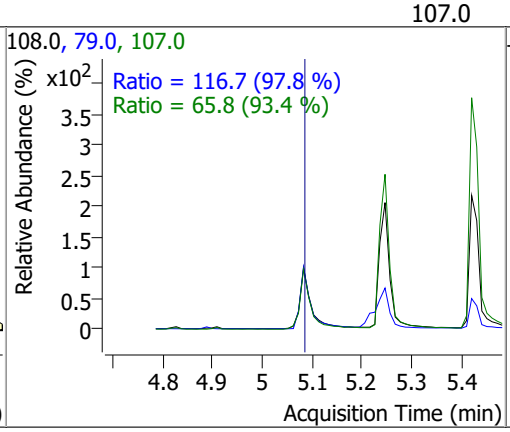


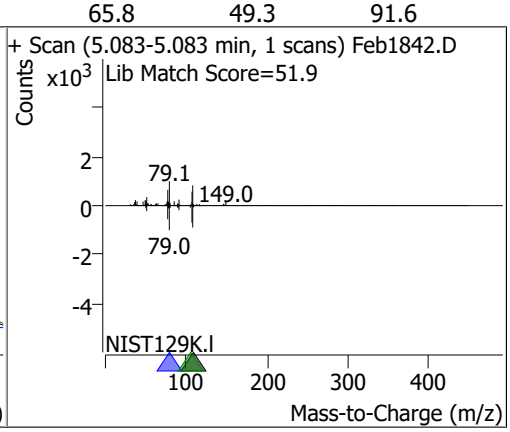
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dichlorobenzene	83.6453	5.06	0.00	946577	148.0	64.1	45.1	83.8
					111.0	37.2	26.1	48.5



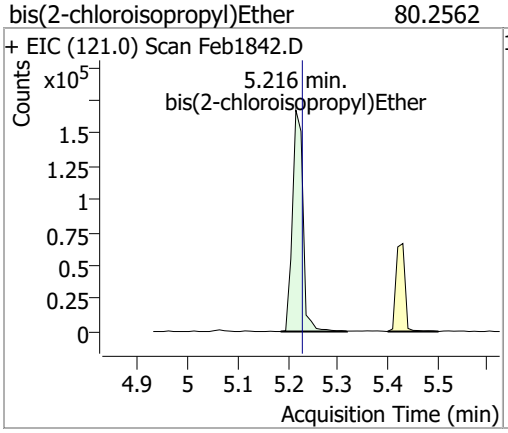
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzyl Alcohol	81.7192	5.08	0.00	380594	79.0	116.7	83.5	155.1
					107.0	65.8	49.3	91.6

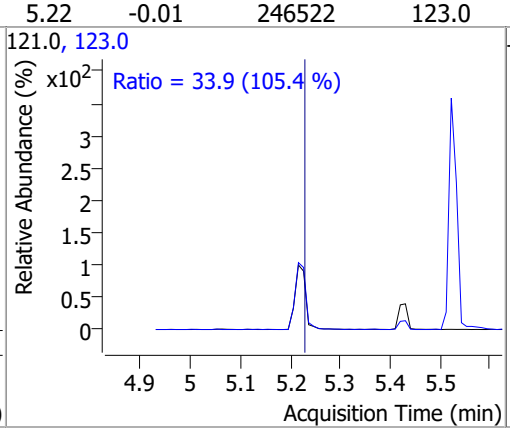


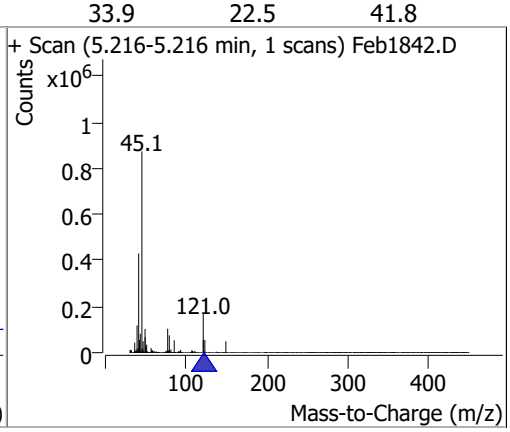




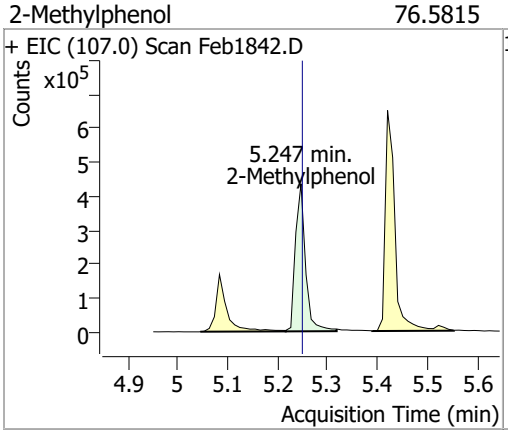
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-chloroisopropyl)Ether	80.2562	5.22	-0.01	246522	123.0	33.9	22.5	41.8

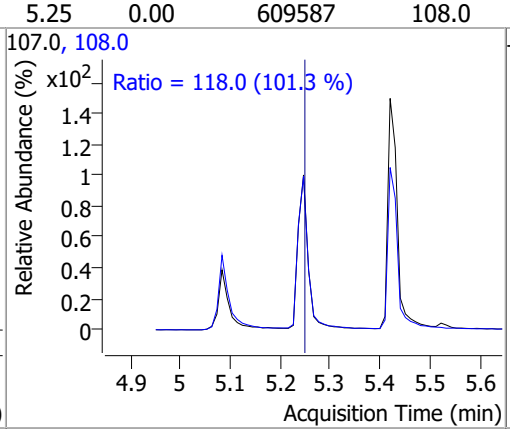


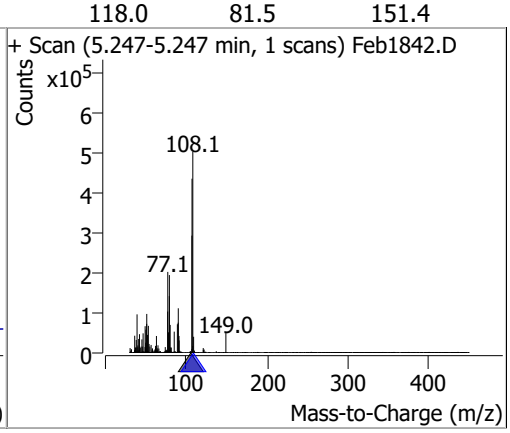




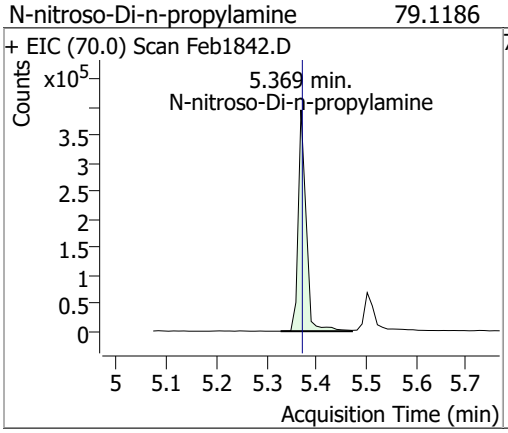
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylphenol	76.5815	5.25	0.00	609587	108.0	118.0	81.5	151.4

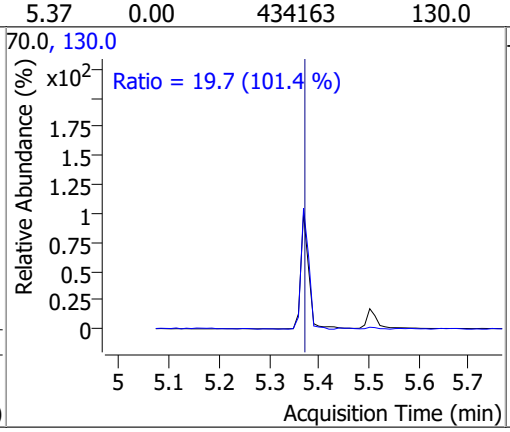


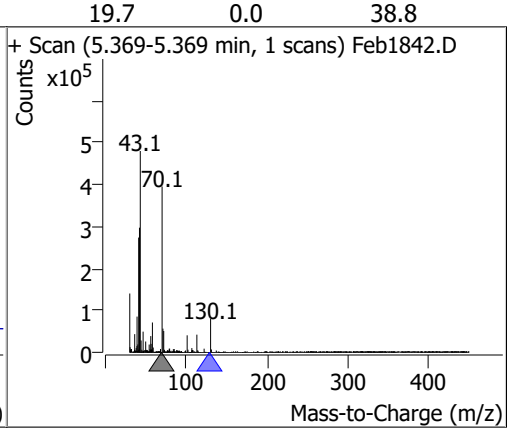




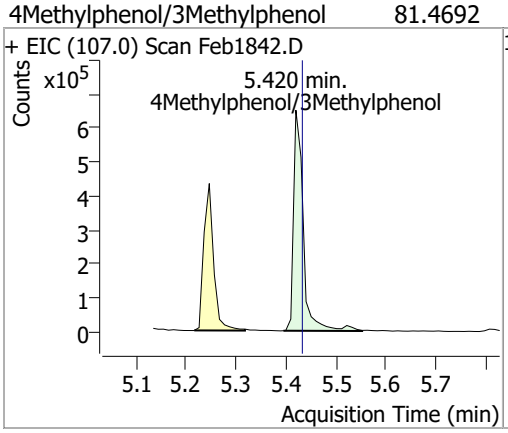
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitroso-Di-n-propylamine	79.1186	5.37	0.00	434163	130.0	19.7	0.0	38.8

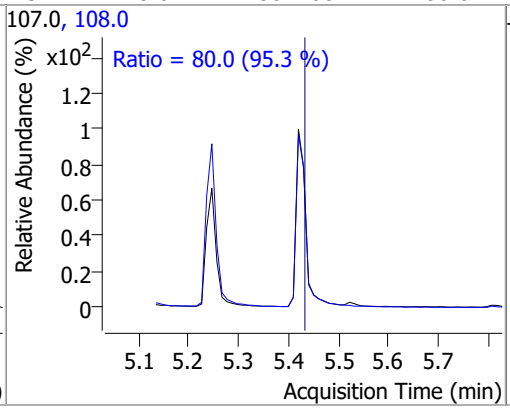


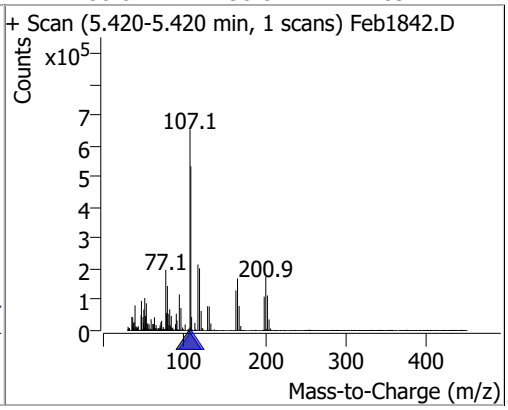




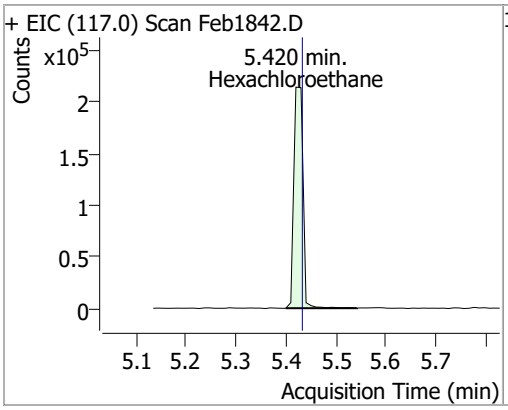
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4Methylphenol/3Methylphenol	81.4692	5.42	-0.01	881208	108.0	80.0	58.8	109.1

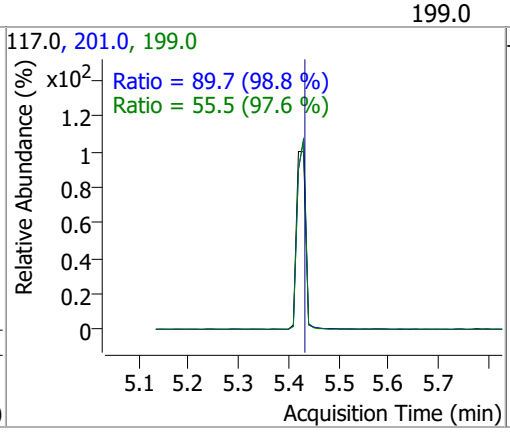


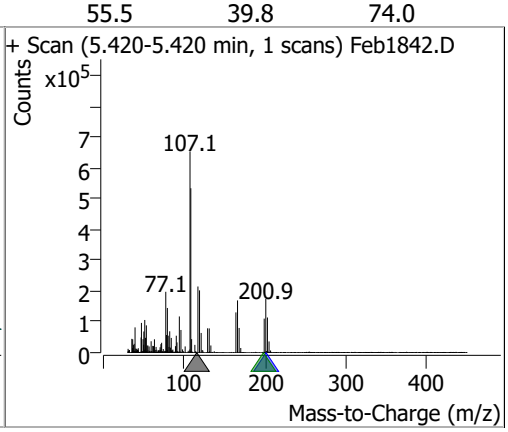




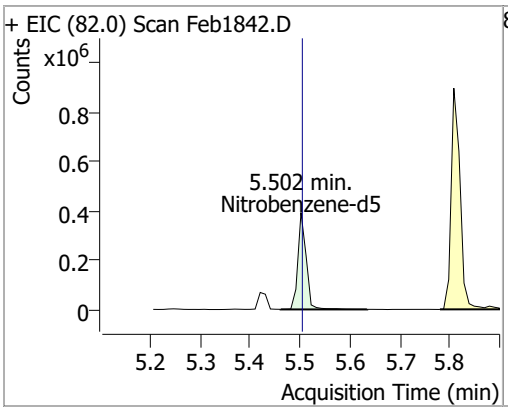
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachloroethane	77.6067	5.42	-0.01	272022	201.0	89.7	63.5	118.0
					199.0	55.5	39.8	74.0

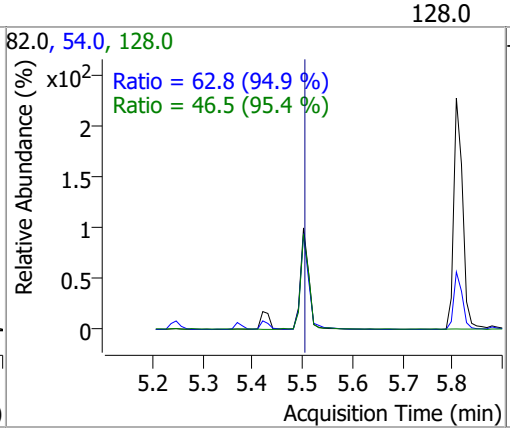


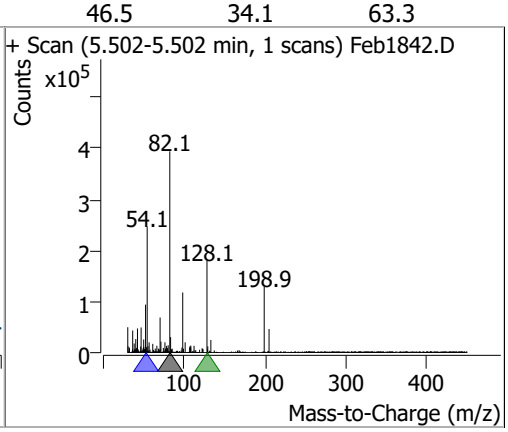




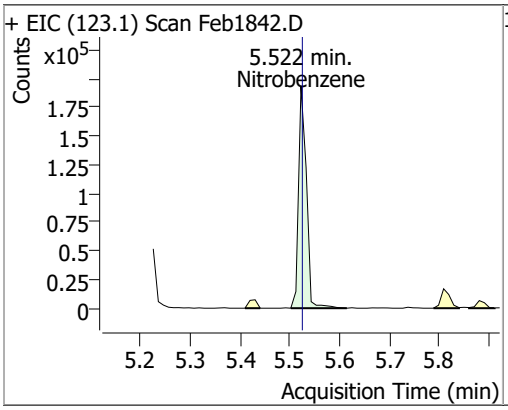
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene-d5	78.9307	5.50	0.00	453304	54.0	62.8	46.3	86.0
					128.0	46.5	34.1	63.3

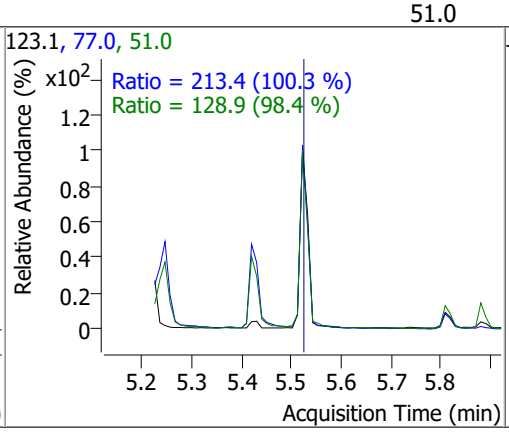


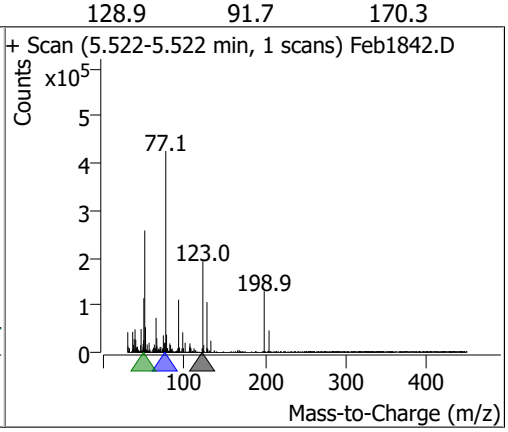




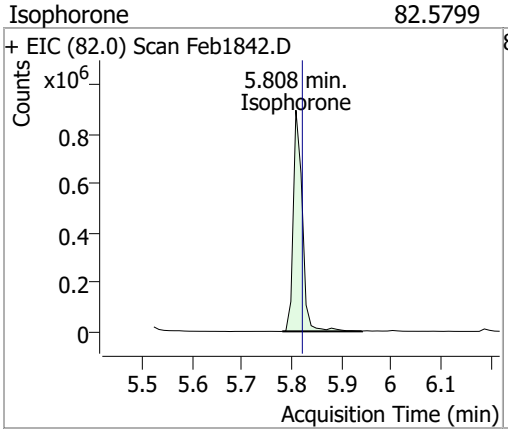
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Nitrobenzene	72.8037	5.52	0.00	211632	77.0	213.4	148.9	276.5
					51.0	128.9	91.7	170.3

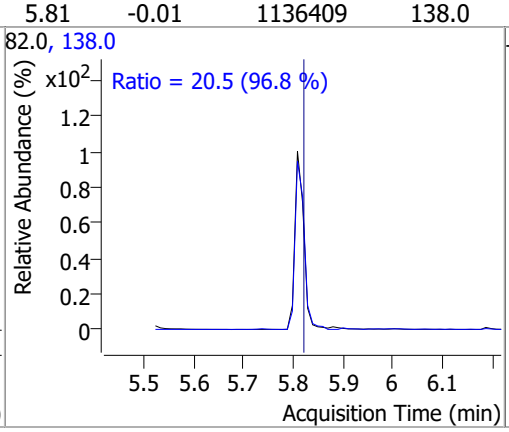


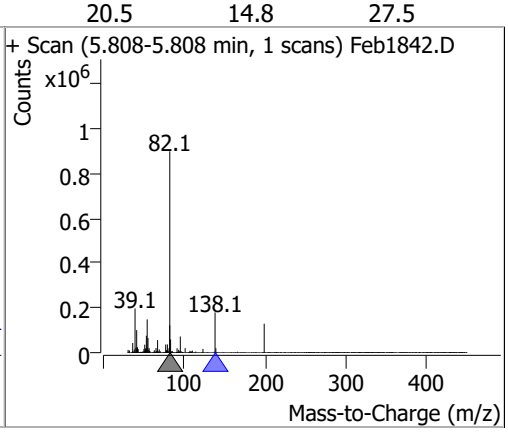




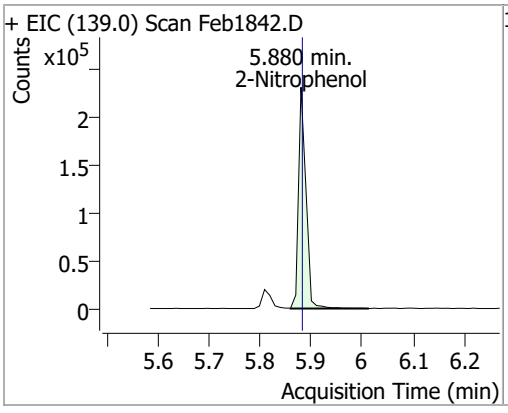
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Isophorone	82.5799	5.81	-0.01	1136409	138.0	20.5	14.8	27.5

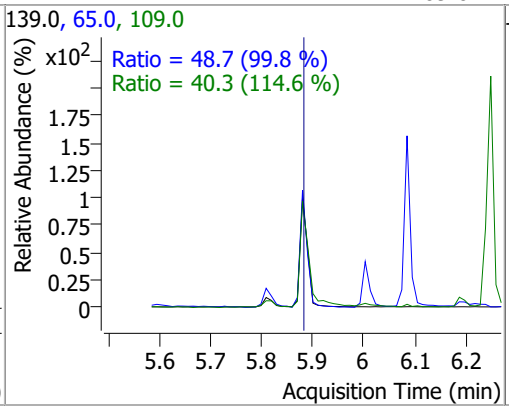


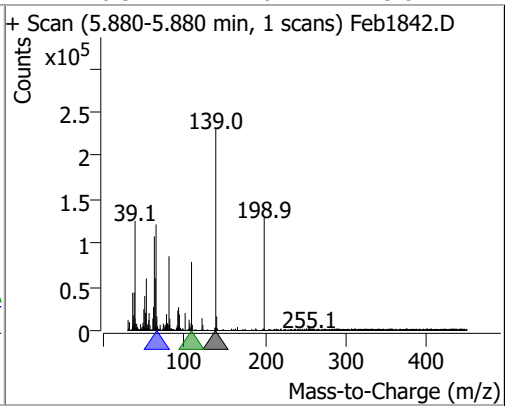




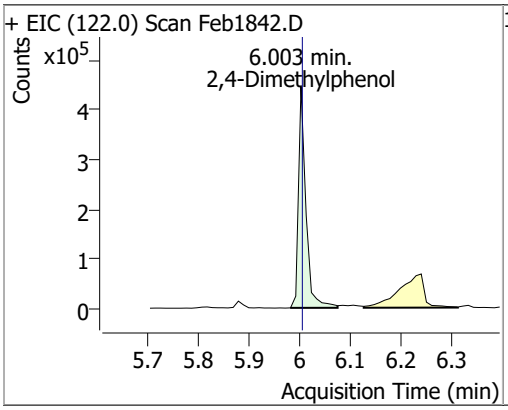
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitrophenol	76.3659	5.88	0.00	234003	65.0	48.7	34.2	63.4
					109.0	40.3	24.6	45.8

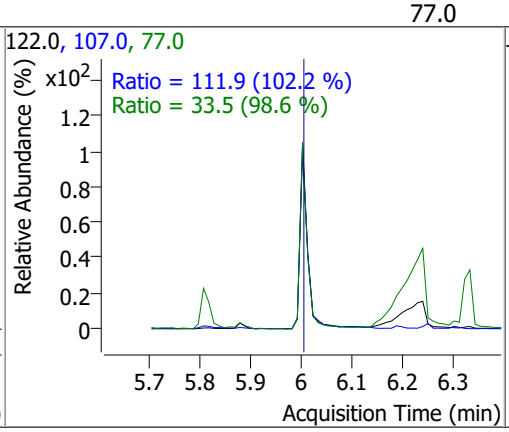


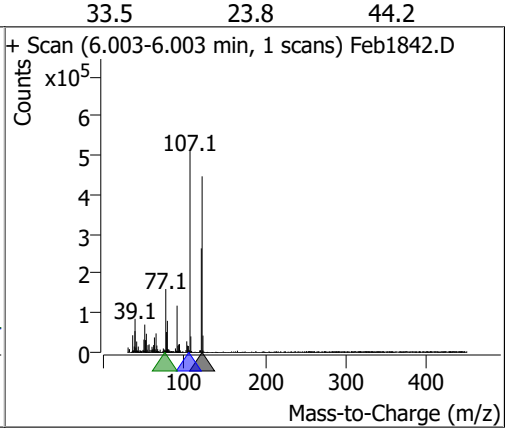




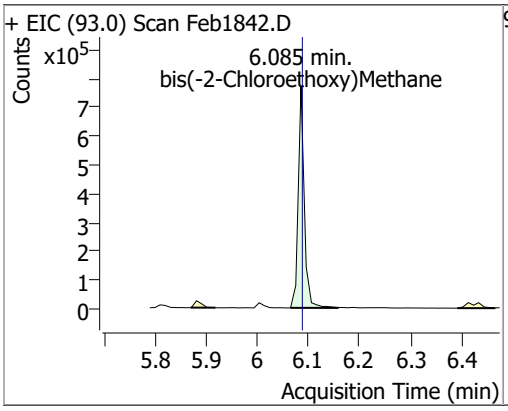
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dimethylphenol	70.2403	6.00	0.00	451765	107.0	111.9	76.6	142.3
					77.0	33.5	23.8	44.2

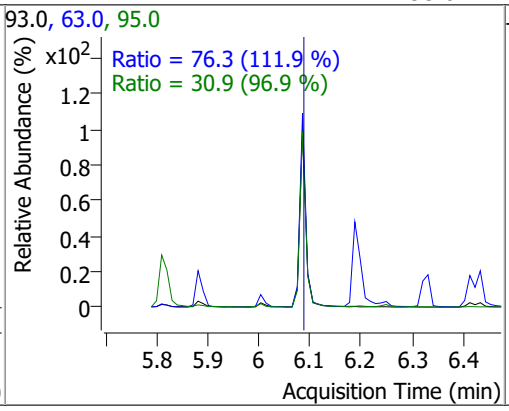


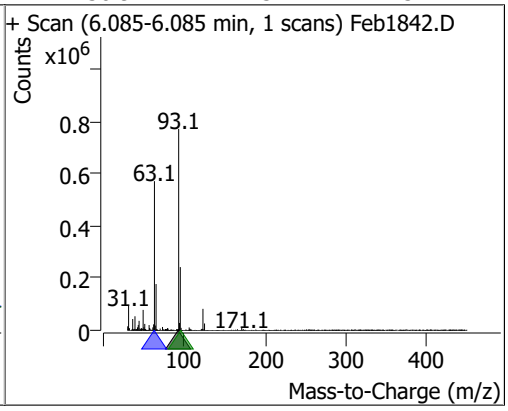




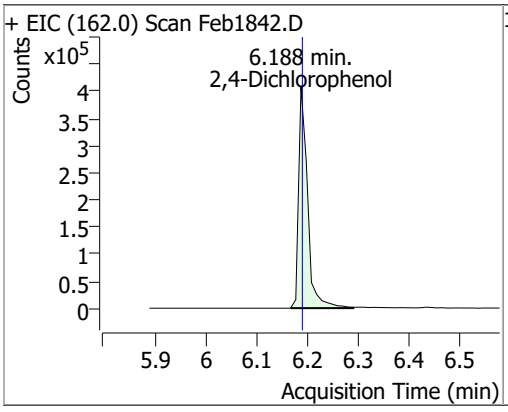
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(-2-Chloroethoxy)Methane	76.5555	6.08	0.00	612776	63.0	76.3	47.7	88.6
					95.0	30.9	22.3	41.5

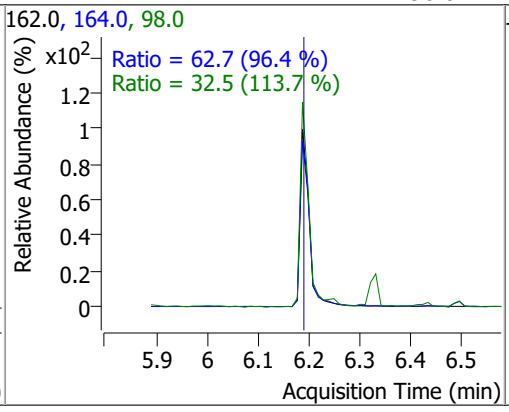


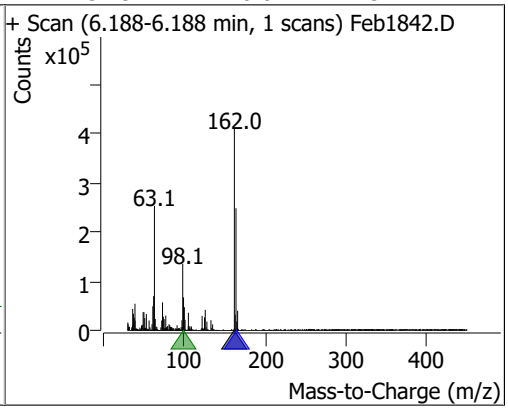




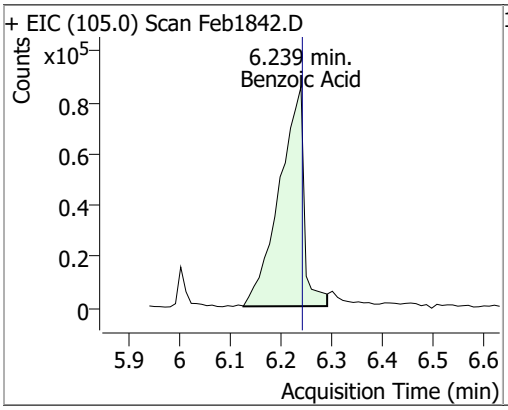
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dichlorophenol	80.8138	6.19	0.00	494856	164.0	62.7	45.5	84.5
					98.0	32.5	20.0	37.1

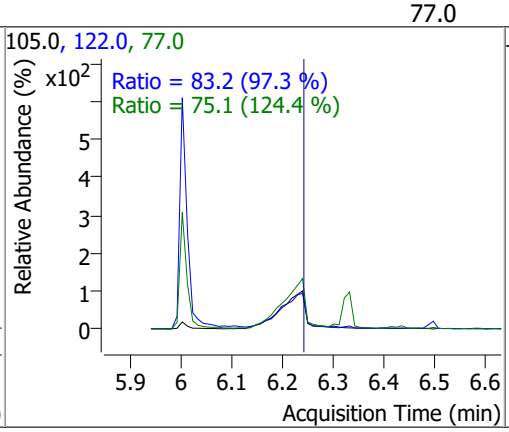


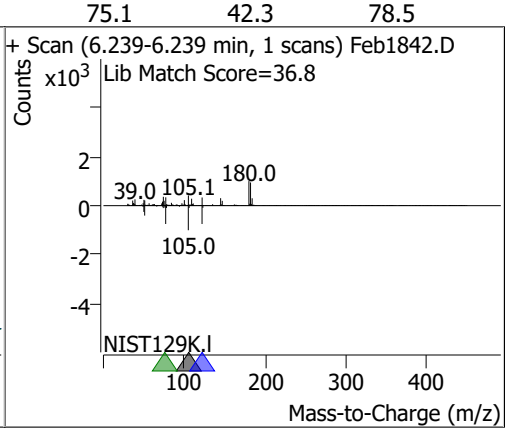




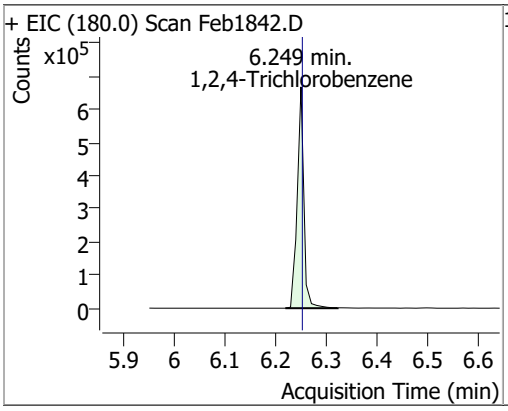
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzoic Acid	85.8008	6.24	0.00	289864	122.0	83.2	59.9	111.2
					77.0	75.1	42.3	78.5

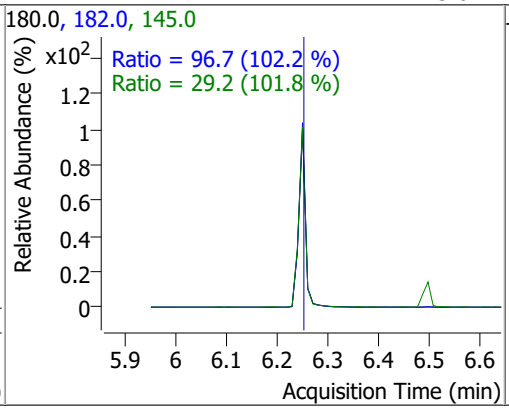


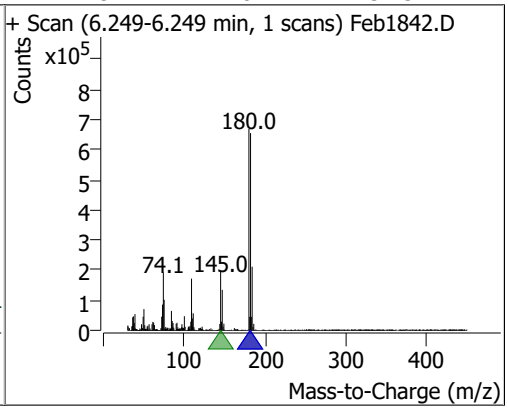




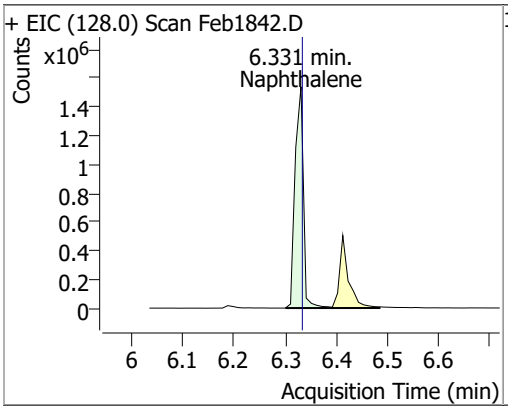
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2,4-Trichlorobenzene	83.0739	6.25	0.00	605690	182.0	96.7	66.2	122.9
					145.0	29.2	20.1	37.3

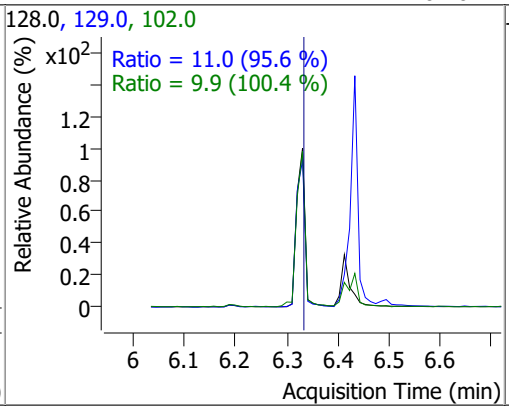


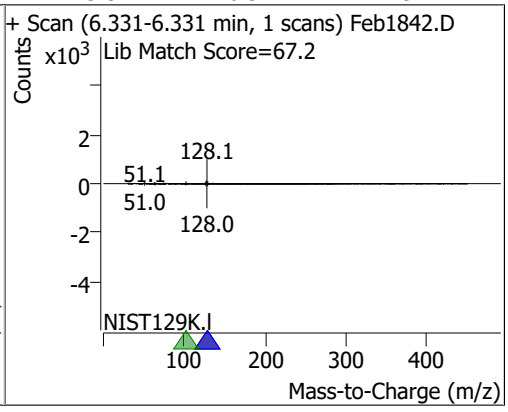




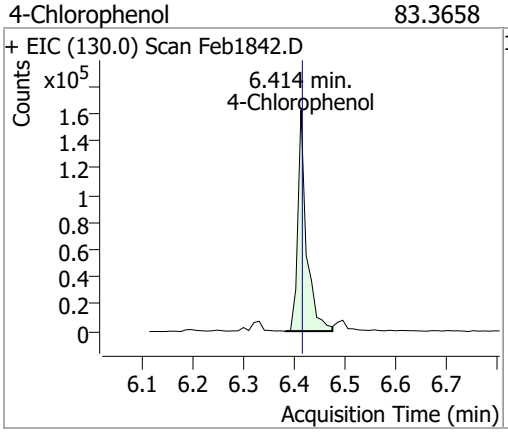
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Naphthalene	79.5020	6.33	0.00	1732032	129.0	11.0	8.0	14.9
					102.0	9.9	6.9	12.9

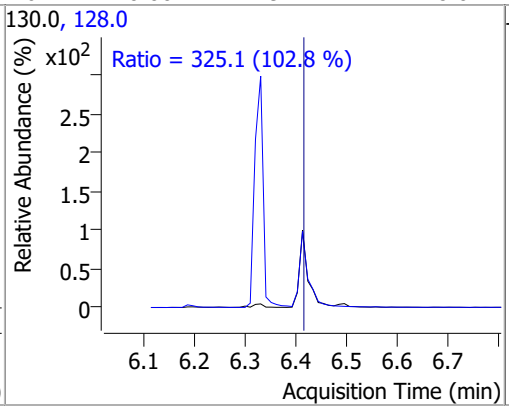


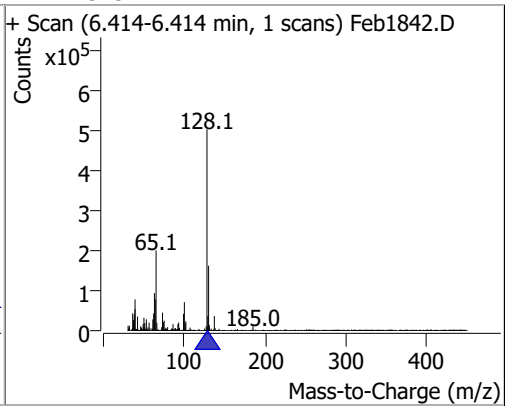




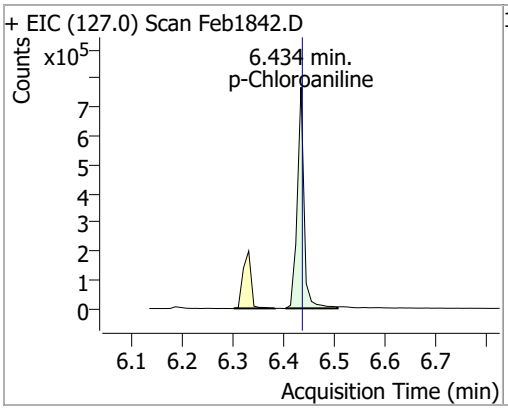
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenol	83.3658	6.41	0.00	191424	128.0	325.1	221.4	411.2

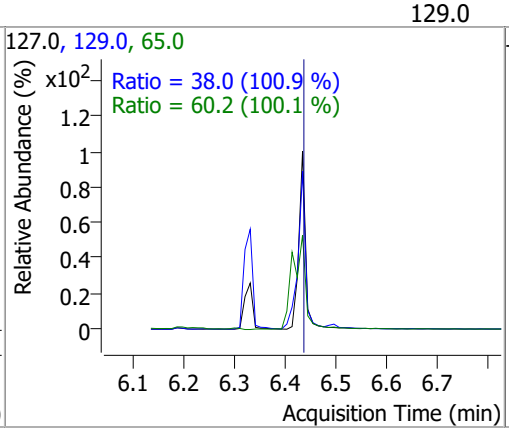


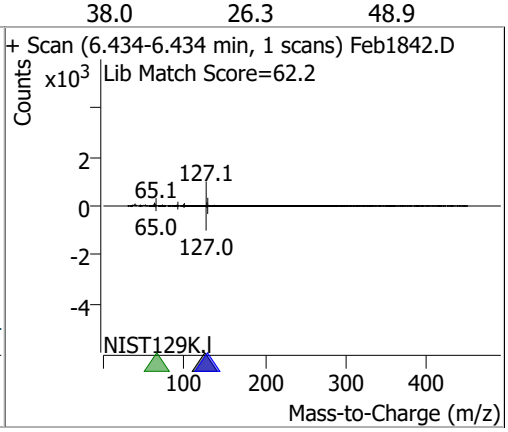




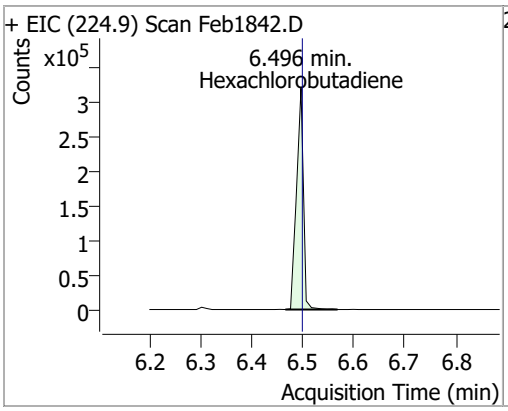
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
p-Chloroaniline	83.3527	6.43	0.00	707560	65.0	60.2	42.1	78.2
					129.0	38.0	26.3	48.9

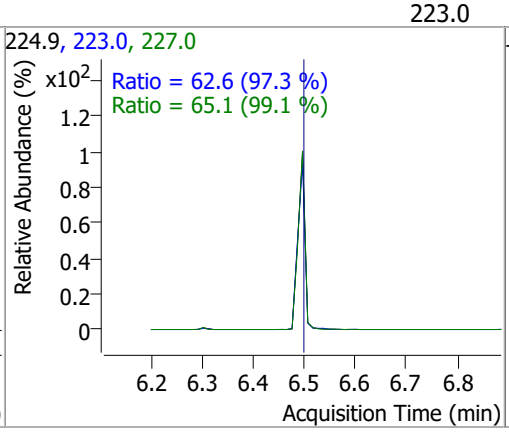


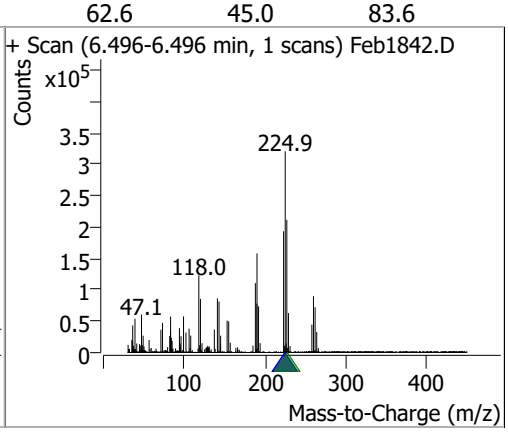




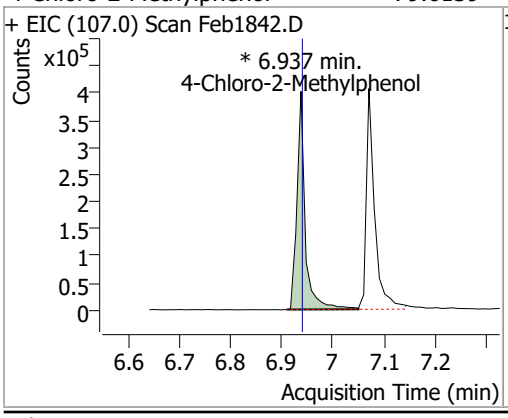
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobutadiene	79.2888	6.50	0.00	301995	227.0	65.1	46.0	85.4
					223.0	62.6	45.0	83.6

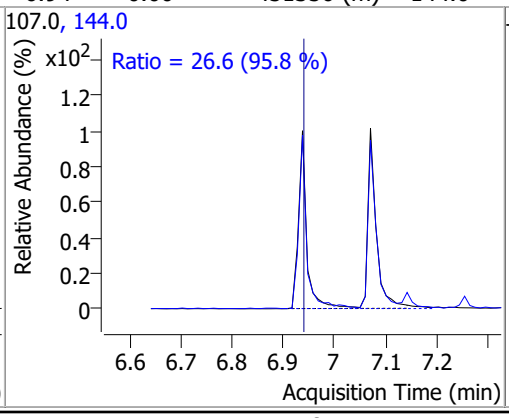


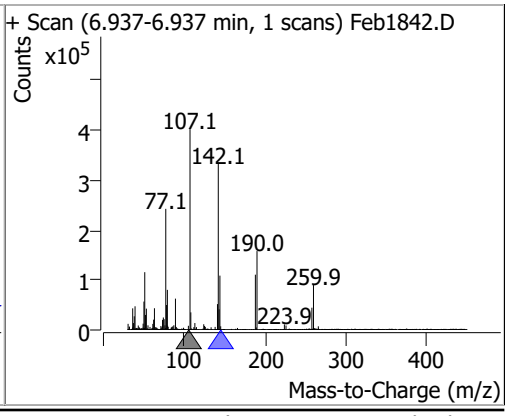




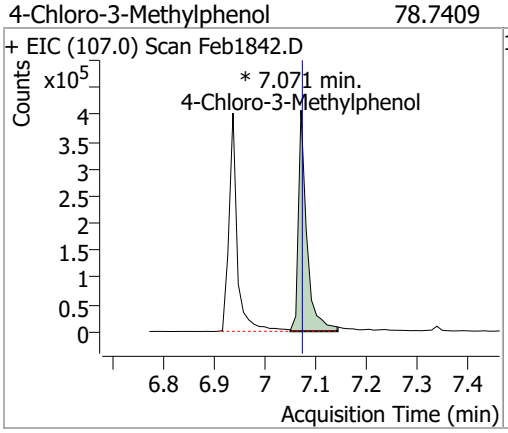
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-2-Methylphenol	79.6139	6.94	0.00	451356 (m)	144.0	26.6	19.4	36.1

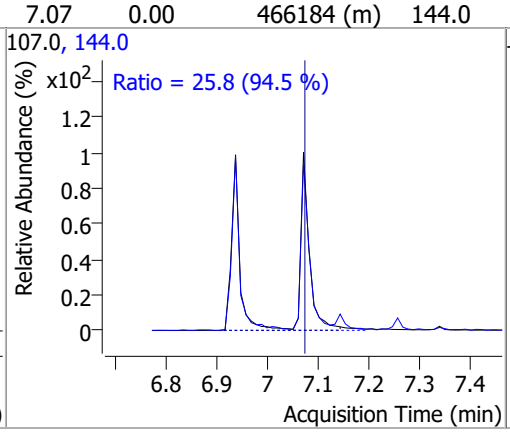


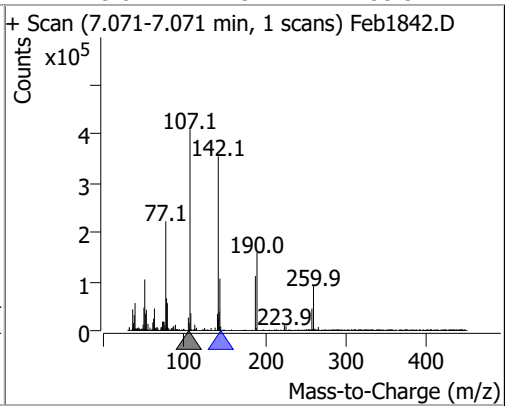




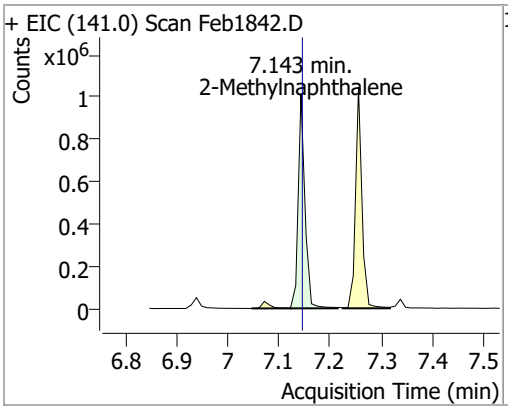
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chloro-3-Methylphenol	78.7409	7.07	0.00	466184 (m)	144.0	25.8	19.1	35.5

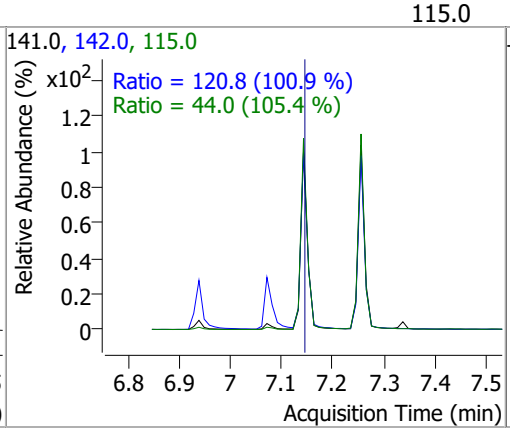


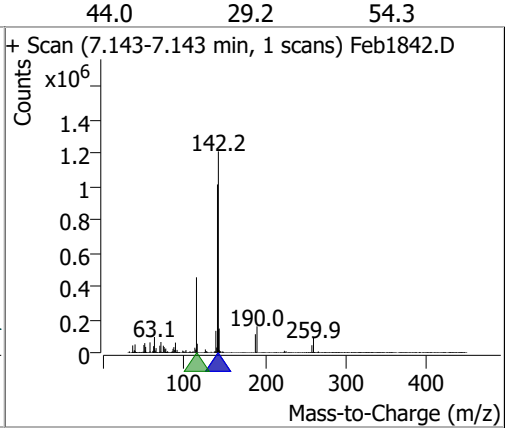




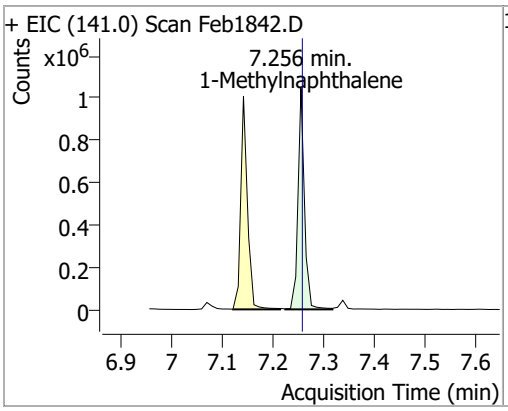
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Methylnaphthalene	75.2665	7.14	0.00	929354	142.0	120.8	83.8	155.7
					115.0	44.0	29.2	54.3

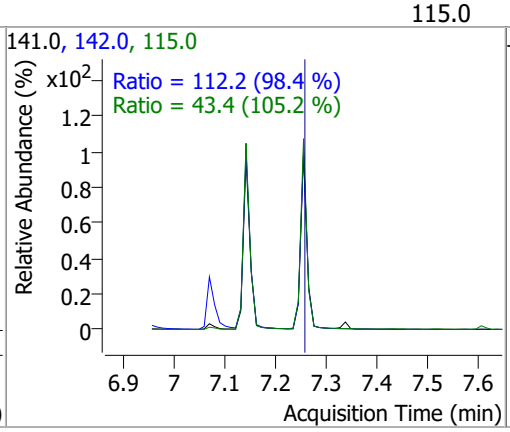


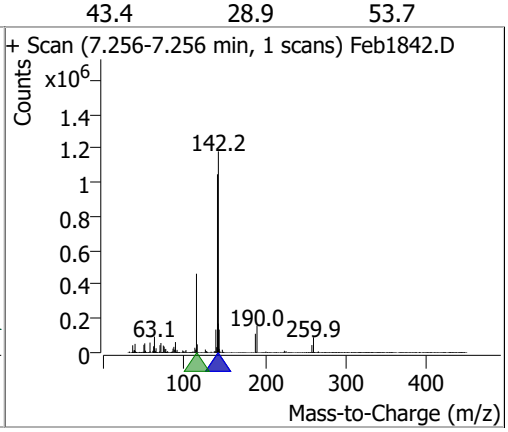




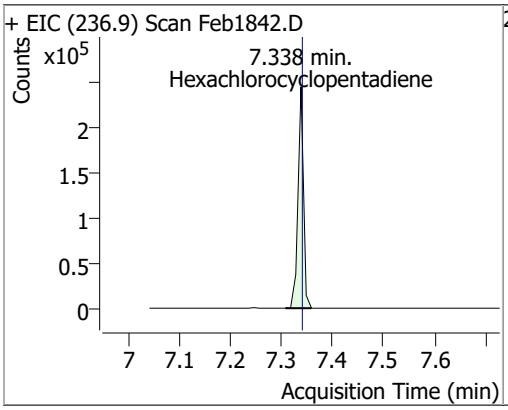
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1-Methylnaphthalene	76.3567	7.26	0.00	920061	142.0	112.2	79.8	148.2
					115.0	43.4	28.9	53.7

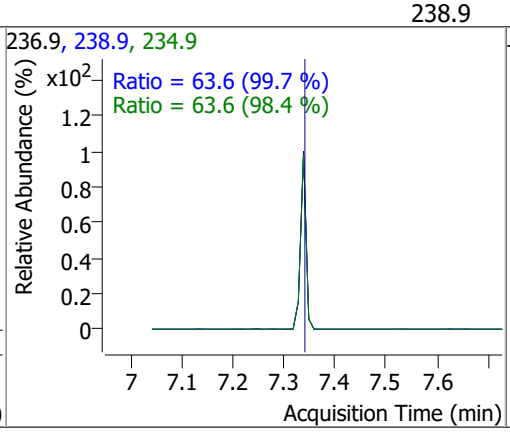


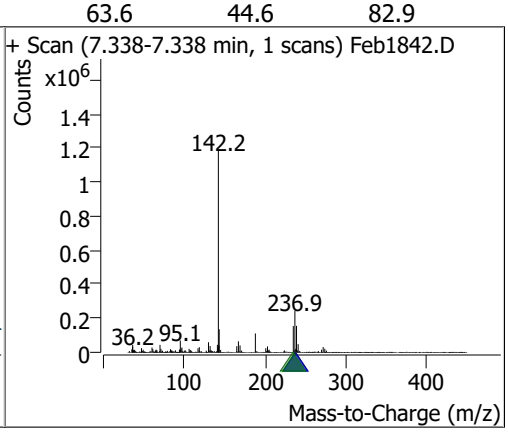




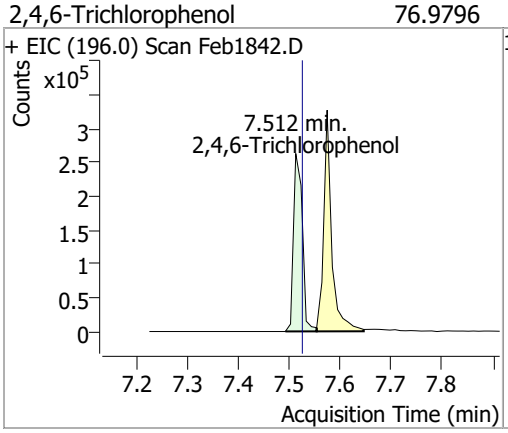
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorocyclopentadiene	77.8645	7.34	0.00	182408	234.9	63.6	45.2	84.0
					238.9	63.6	44.6	82.9

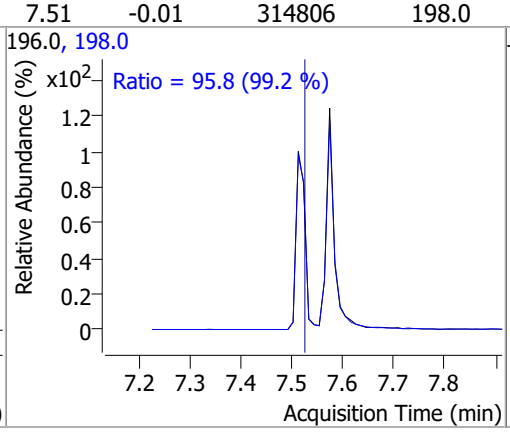


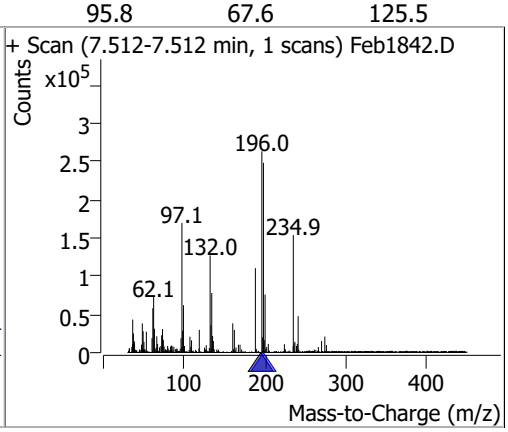




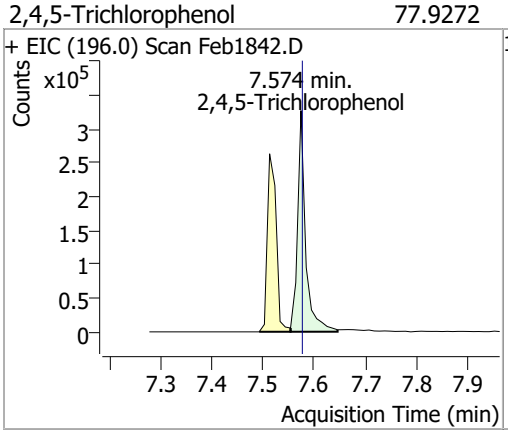
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Trichlorophenol	76.9796	7.51	-0.01	314806	198.0	95.8	67.6	125.5

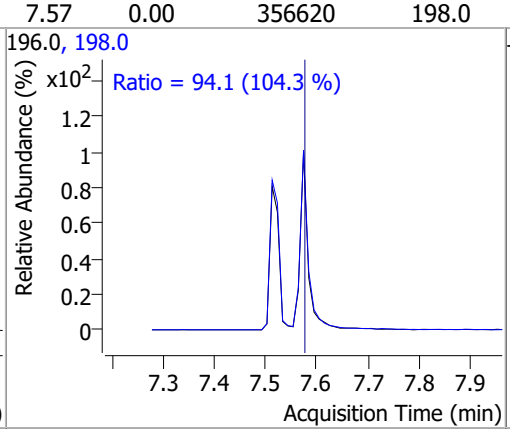


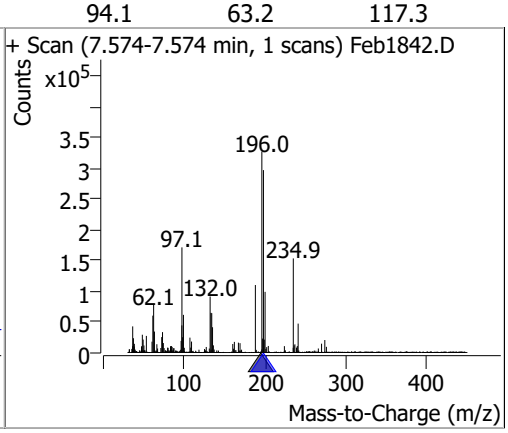




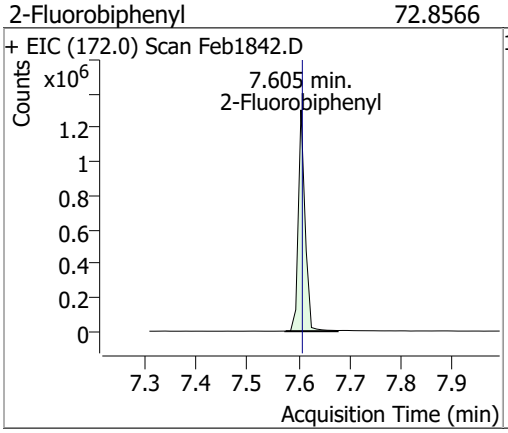
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,5-Trichlorophenol	77.9272	7.57	0.00	356620	198.0	94.1	63.2	117.3

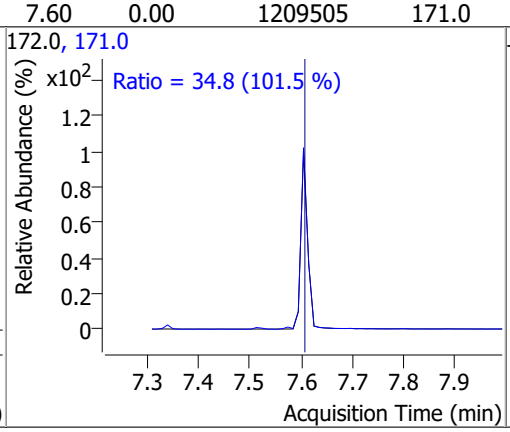


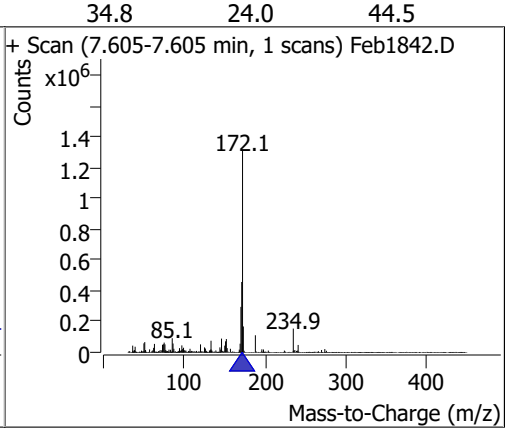




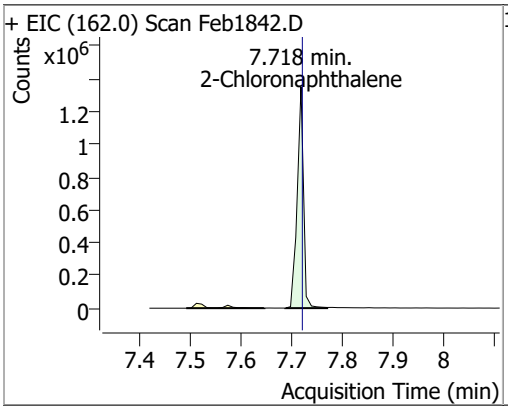
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Fluorobiphenyl	72.8566	7.60	0.00	1209505	171.0	34.8	24.0	44.5

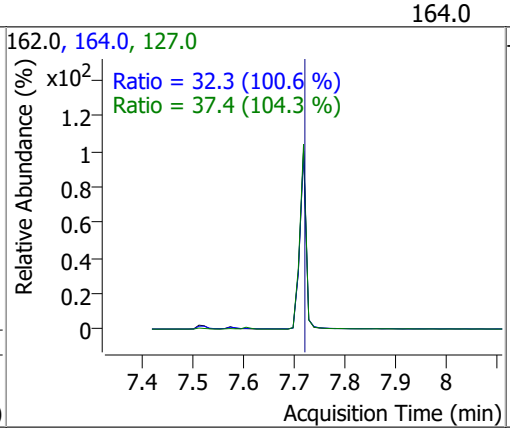


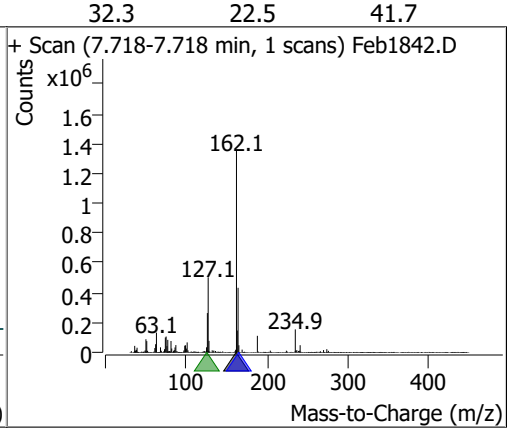




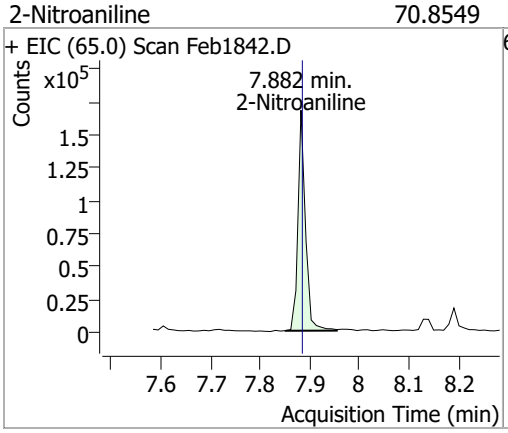
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Chloronaphthalene	83.6045	7.72	0.00	1165748	127.0	37.4	25.1	46.7
					164.0	32.3	22.5	41.7

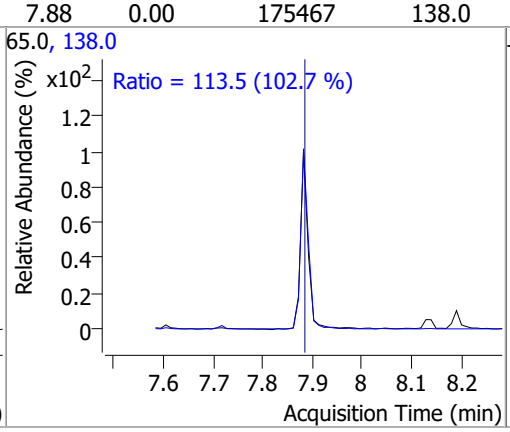


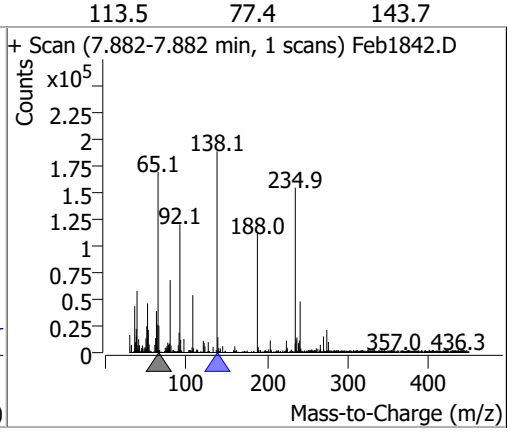




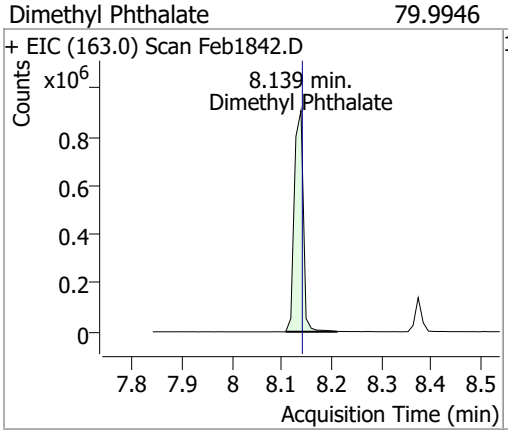
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2-Nitroaniline	70.8549	7.88	0.00	175467	138.0	113.5	77.4	143.7

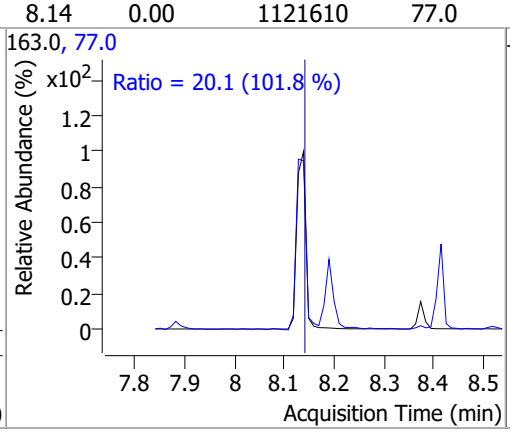


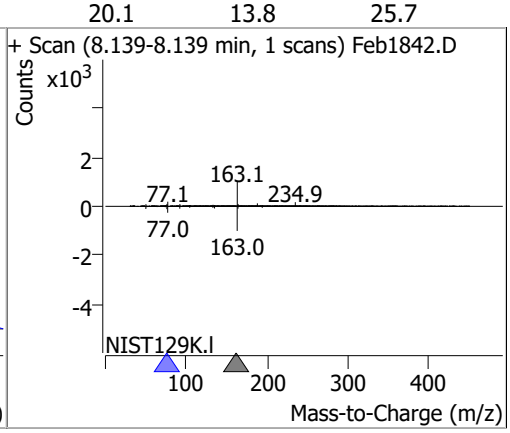




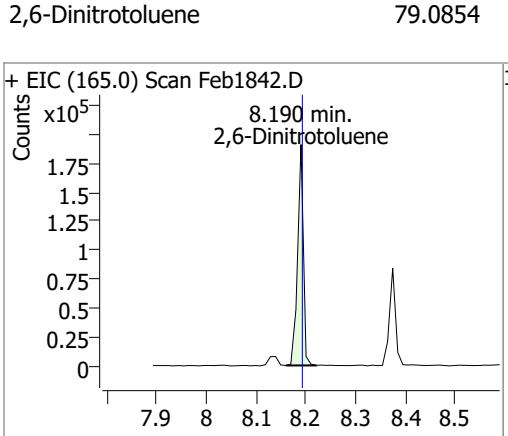
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dimethyl Phthalate	79.9946	8.14	0.00	1121610	77.0	20.1	13.8	25.7

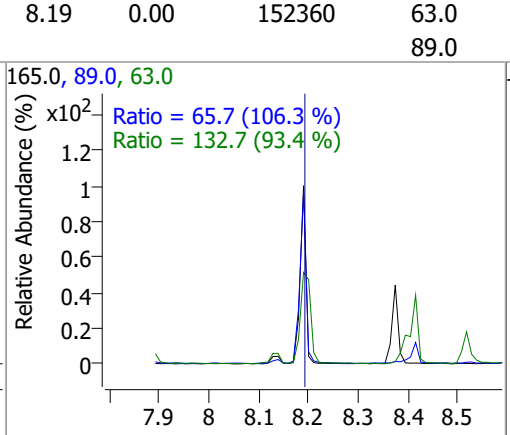


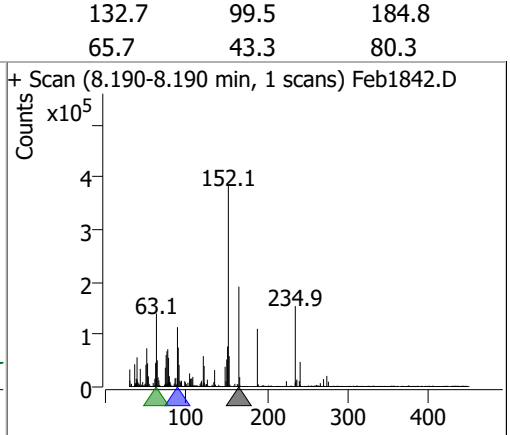




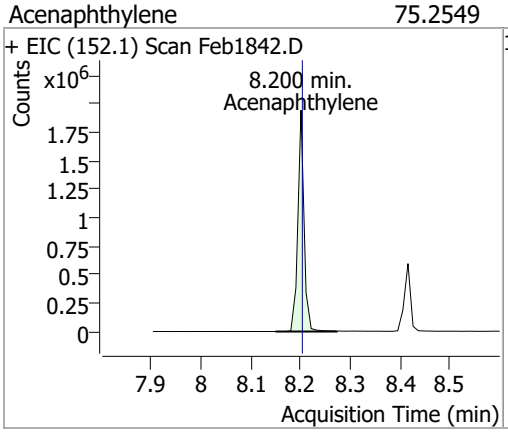
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,6-Dinitrotoluene	79.0854	8.19	0.00	152360	63.0	132.7	99.5	184.8
					89.0	65.7	43.3	80.3

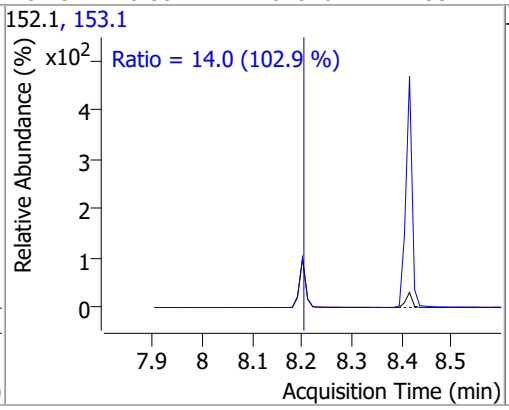


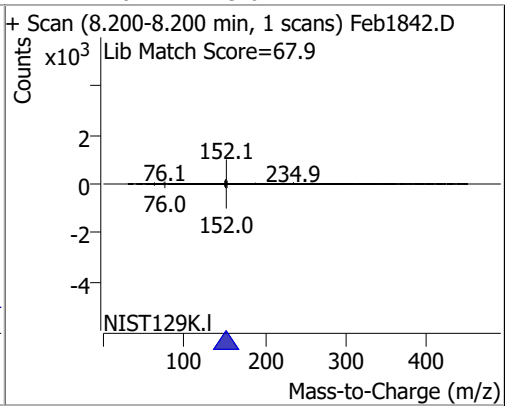




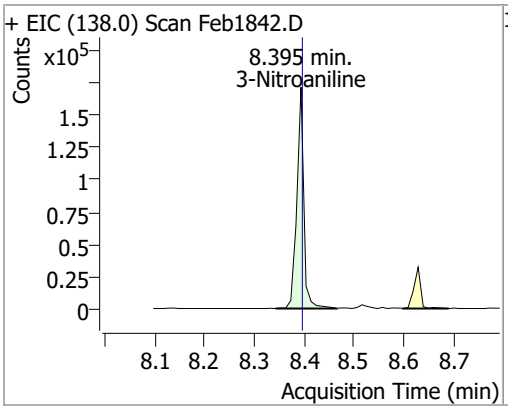
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthylene	75.2549	8.20	0.00	1678261	153.1	14.0	9.6	17.7

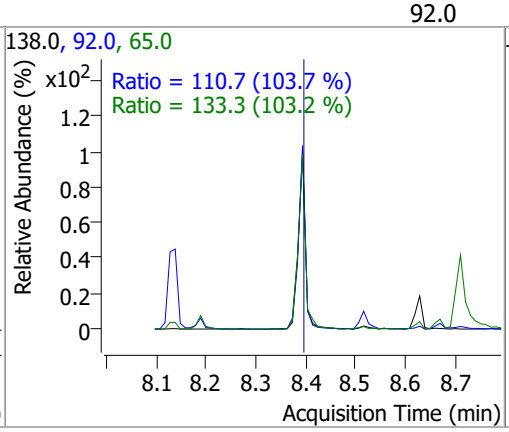


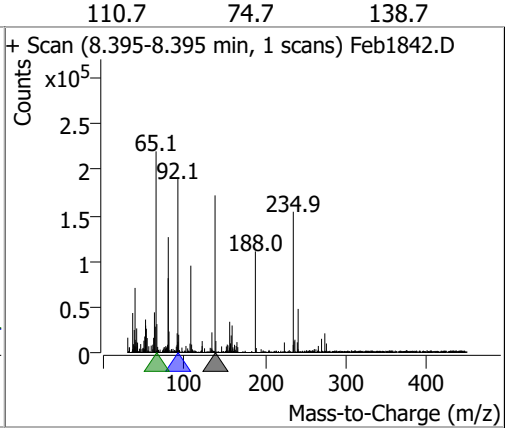




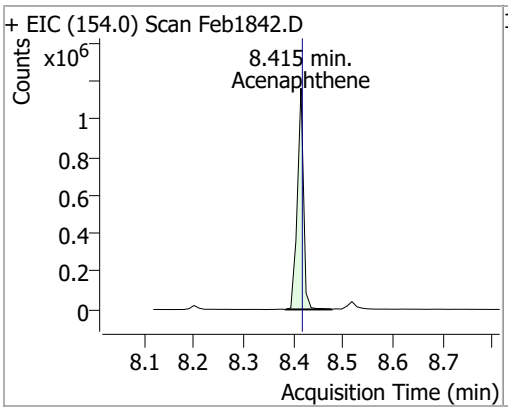
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3-Nitroaniline	76.5859	8.39	0.00	167083	65.0	133.3	90.4	167.8
					92.0	110.7	74.7	138.7

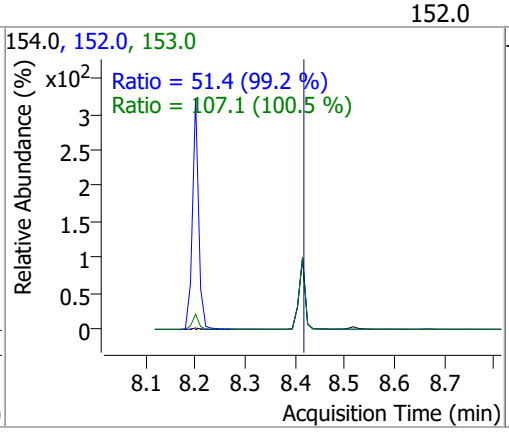


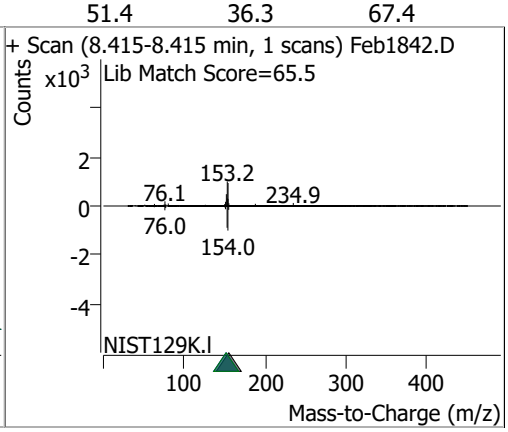




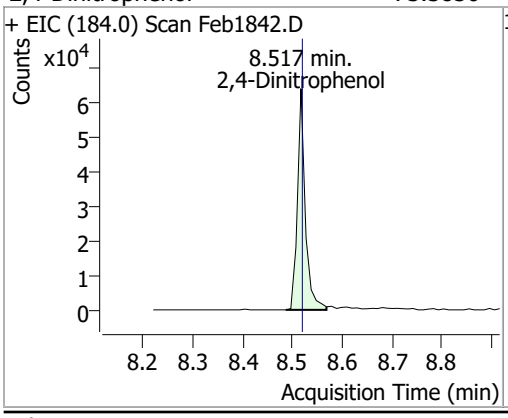
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Acenaphthene	78.3655	8.41	0.00	1003914	153.0	107.1	74.5	138.4
					152.0	51.4	36.3	67.4

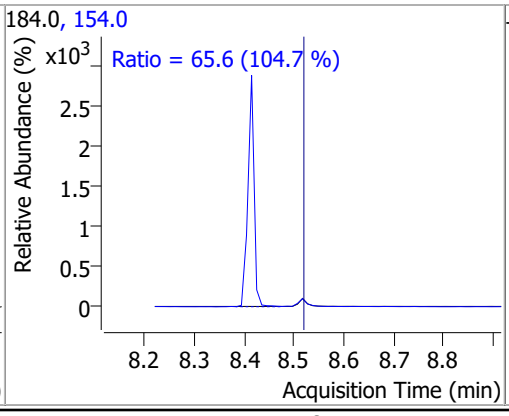


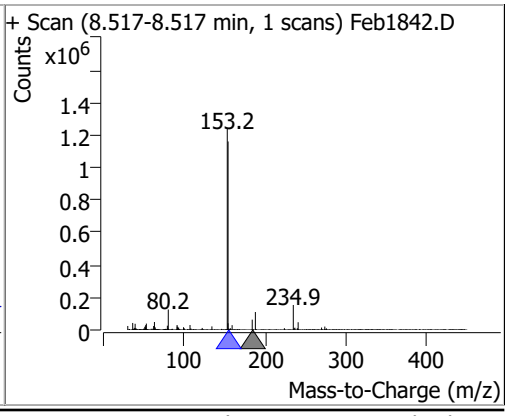




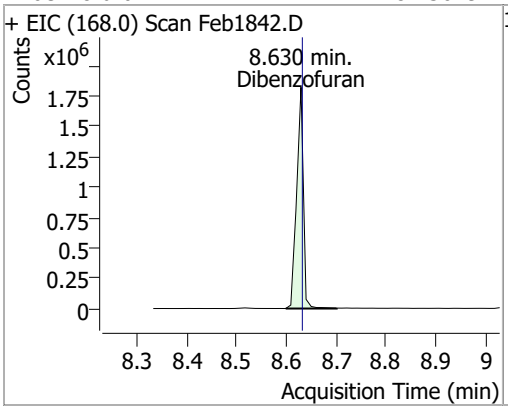
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrophenol	73.3850	8.52	0.00	69824	154.0	65.6	43.9	81.5

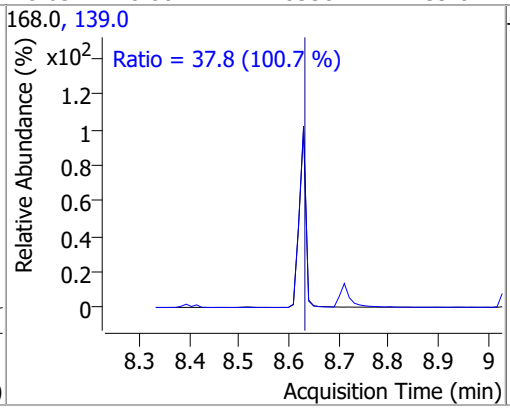


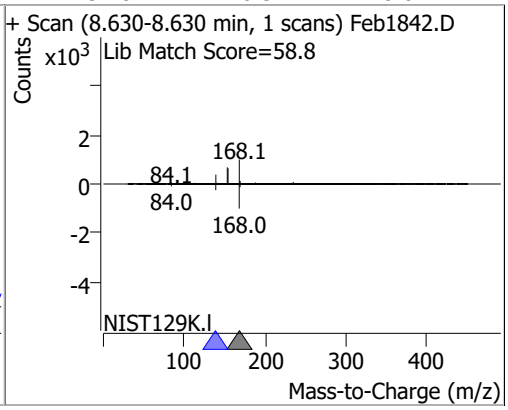




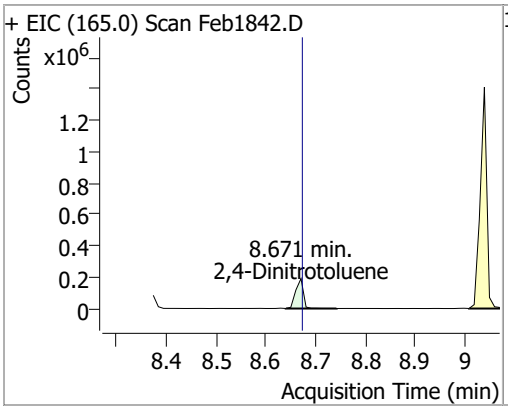
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzofuran	81.3679	8.63	0.00	1703384	139.0	37.8	26.3	48.8

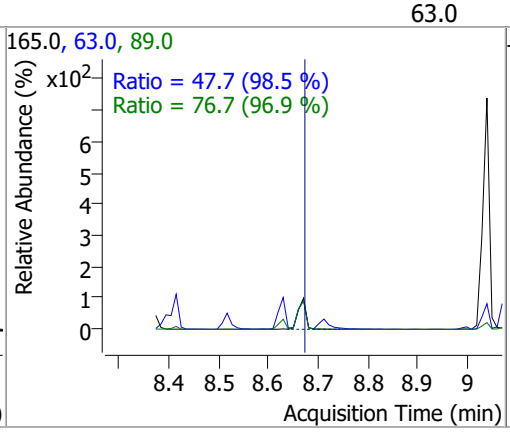


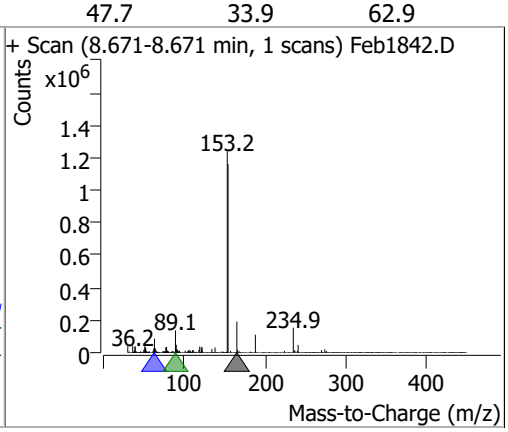




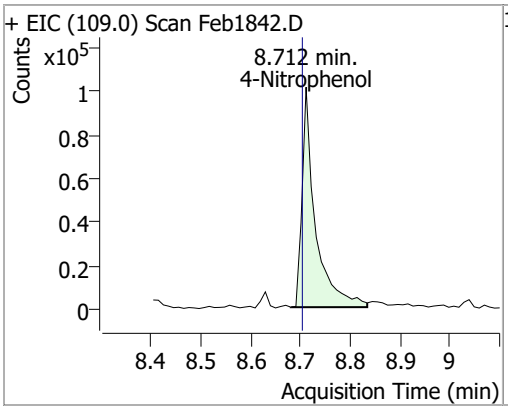
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4-Dinitrotoluene	83.9232	8.67	0.00	203466	89.0	76.7	55.4	102.9
					63.0	47.7	33.9	62.9

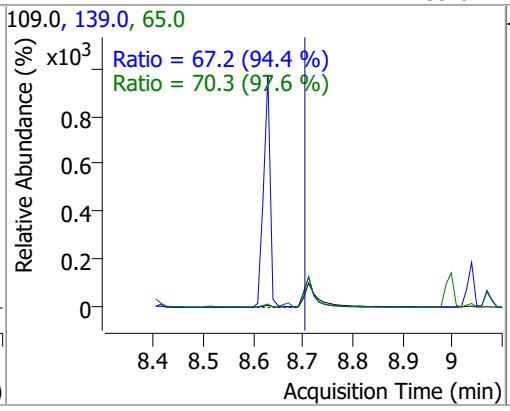


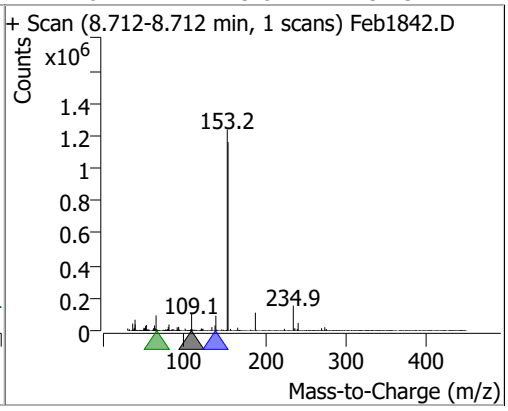




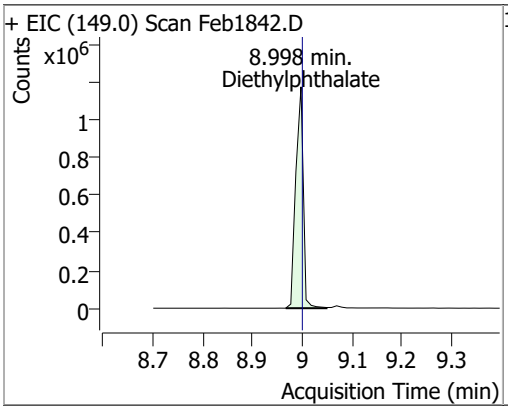
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitrophenol	78.8243	8.71	0.01	186878	65.0	70.3	50.4	93.6
					139.0	67.2	49.8	92.5

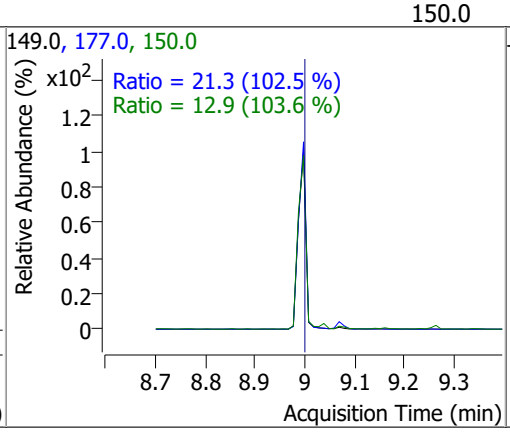


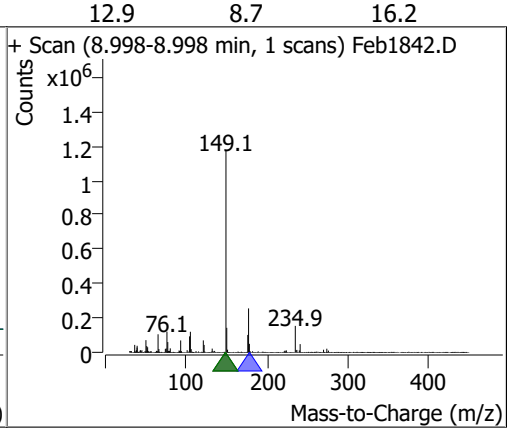




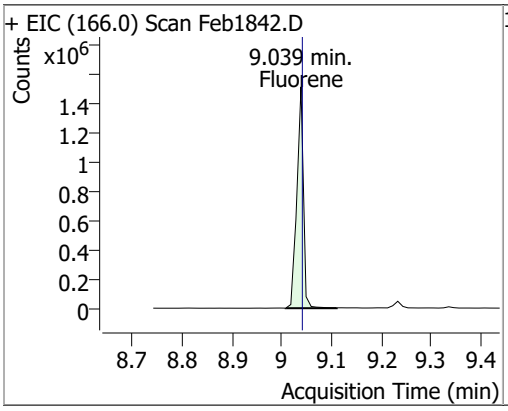
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Diethylphthalate	83.7072	9.00	0.00	1223793	177.0	21.3	14.5	27.0
					150.0	12.9	8.7	16.2

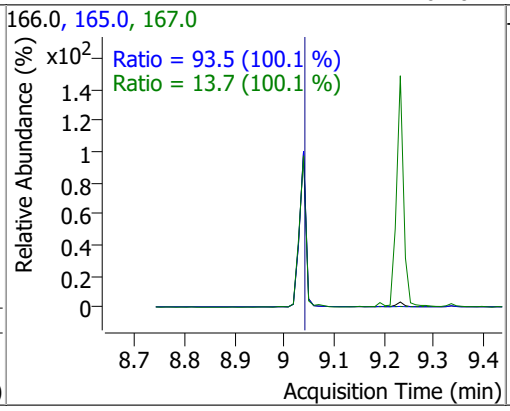


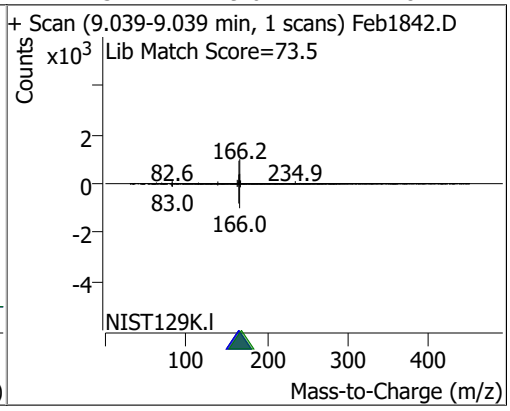




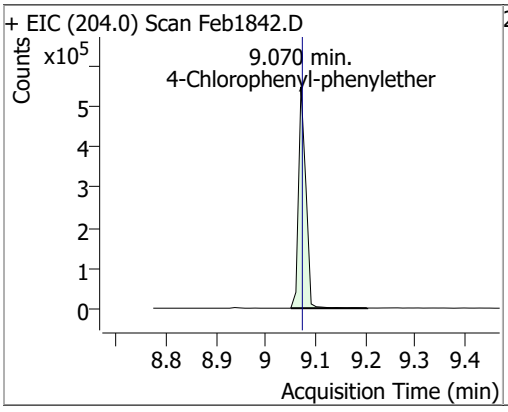
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluorene	82.4029	9.04	0.00	1381686	165.0	93.5	65.4	121.4
					167.0	13.7	9.6	17.8

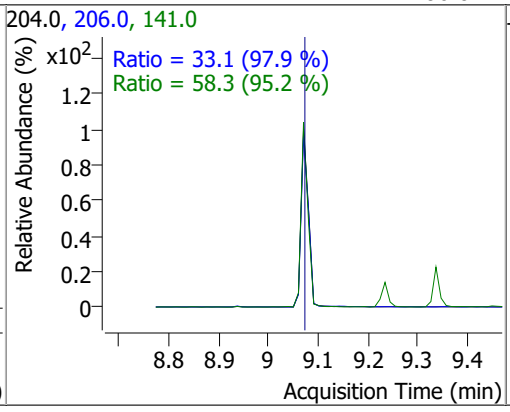


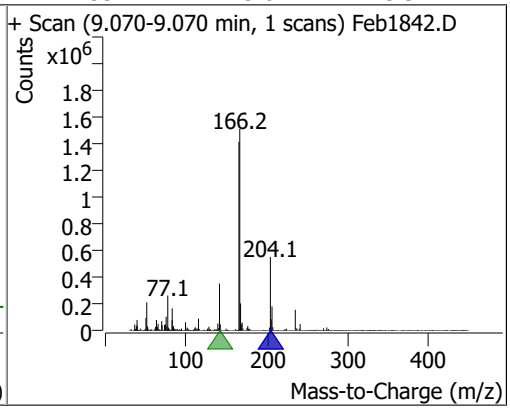




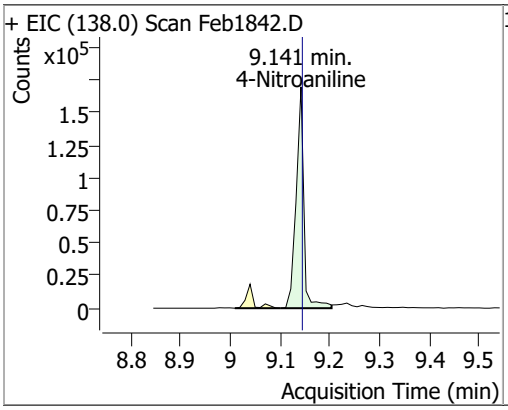
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Chlorophenyl-phenylether	74.2581	9.07	0.00	560241	141.0	58.3	42.8	79.6
					206.0	33.1	23.6	43.9

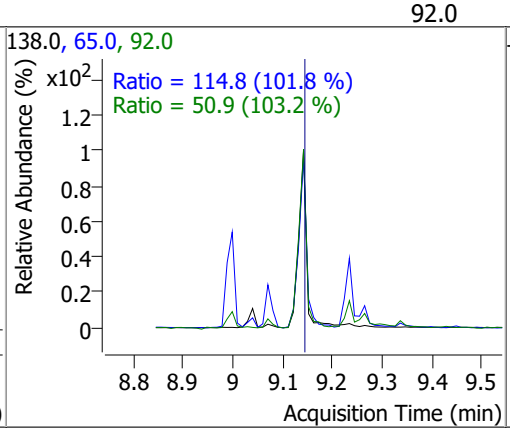


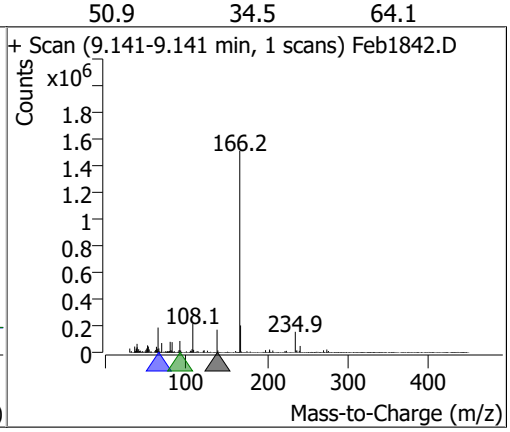




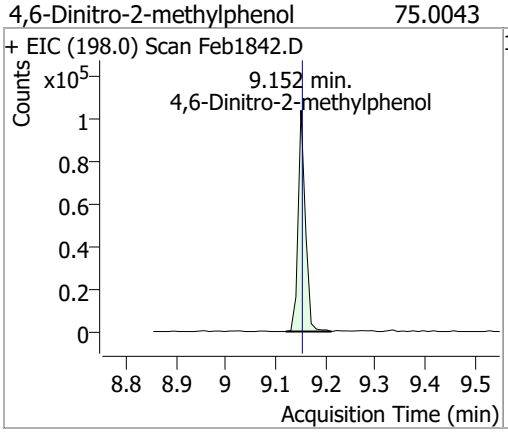
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Nitroaniline	78.1488	9.14	0.00	182657	65.0	114.8	78.9	146.6
					92.0	50.9	34.5	64.1

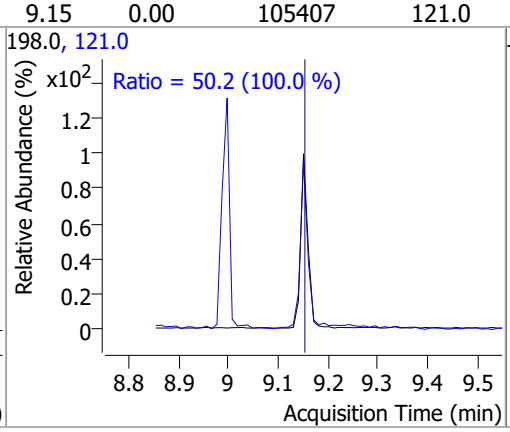


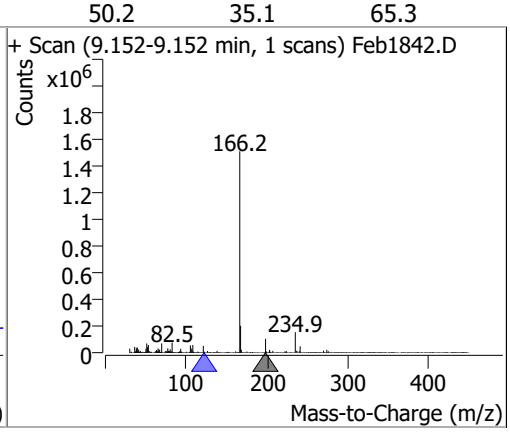




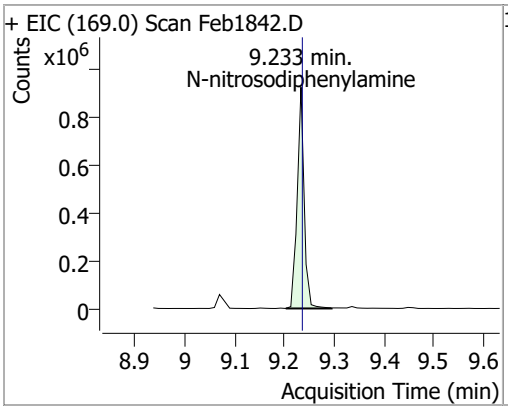
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4,6-Dinitro-2-methylphenol	75.0043	9.15	0.00	105407	121.0	50.2	35.1	65.3

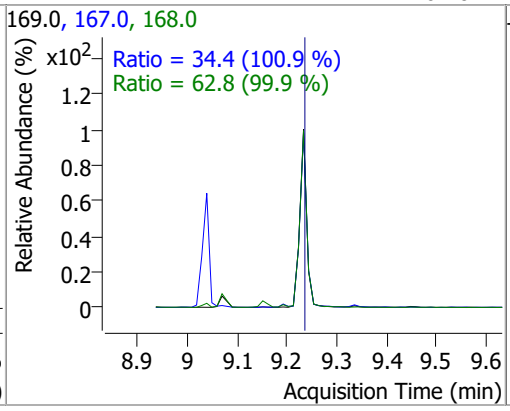


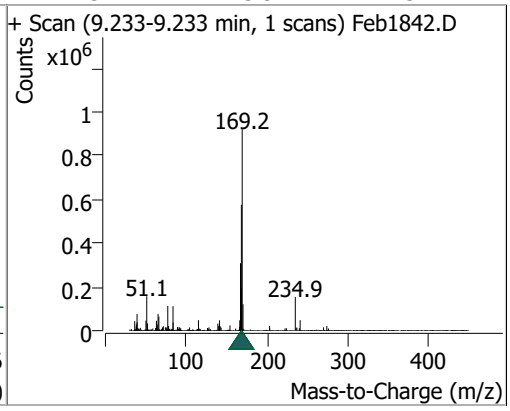




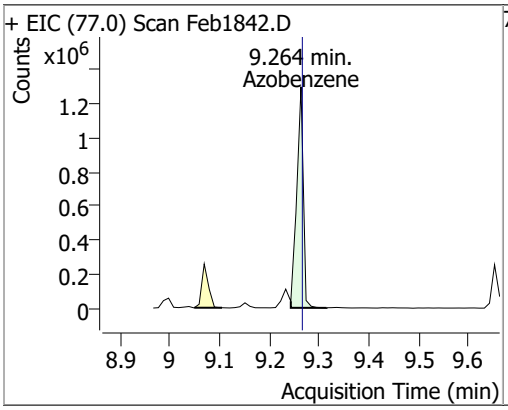
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
N-nitrosodiphenylamine	81.0355	9.23	0.00	892717	168.0	62.8	44.0	81.7
					167.0	34.4	23.9	44.3

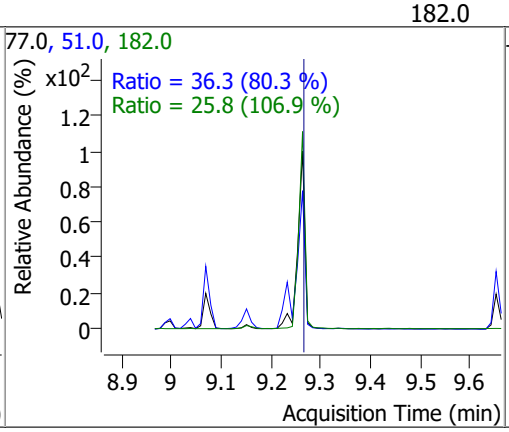


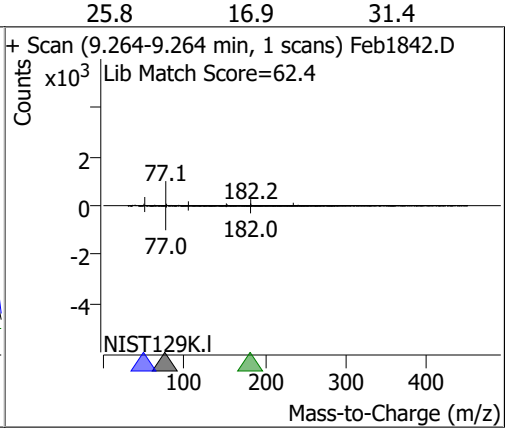




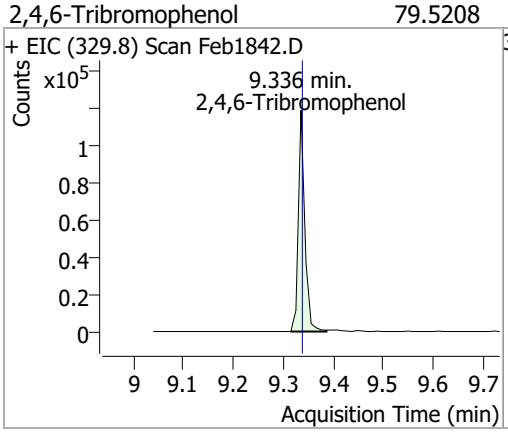
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Azobenzene	81.2778	9.26	0.00	1186541	51.0	36.3	31.6	58.7
					182.0	25.8	16.9	31.4

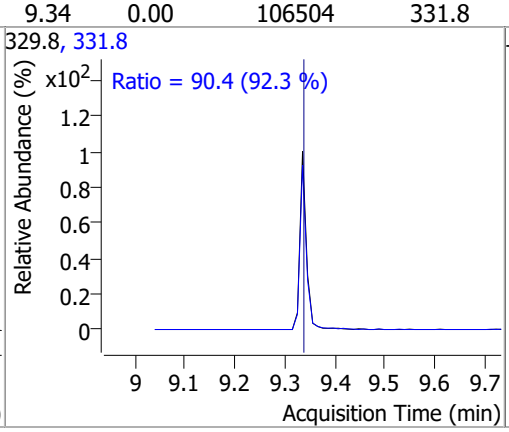


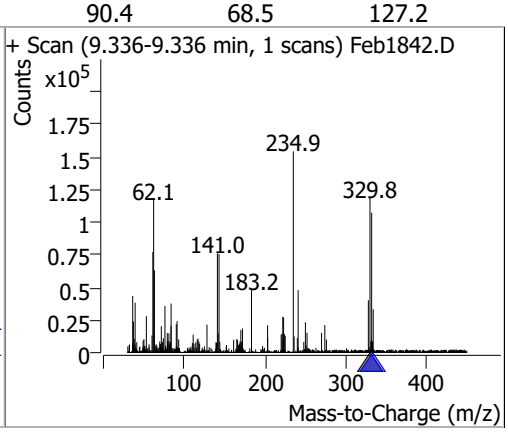




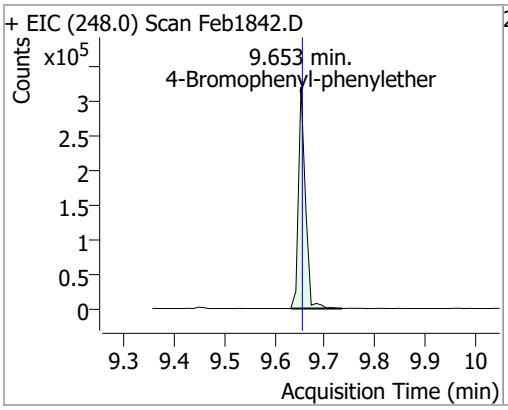
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
2,4,6-Tribromophenol	79.5208	9.34	0.00	106504	331.8	90.4	68.5	127.2

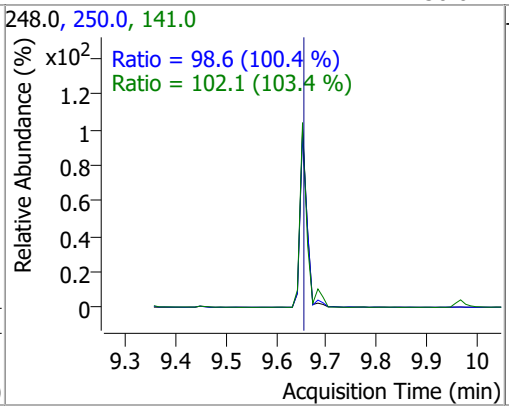


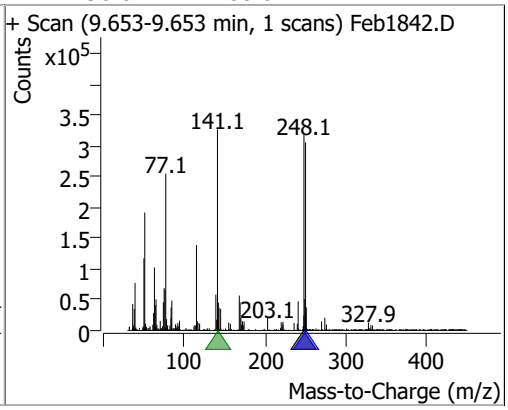




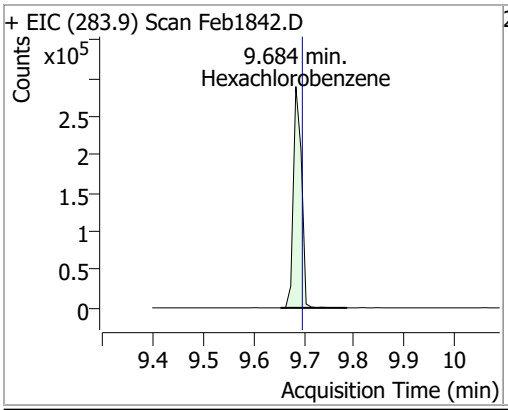
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
4-Bromophenyl-phenylether	74.3581	9.65	0.00	306957	141.0	102.1	69.1	128.4
					250.0	98.6	68.8	127.7

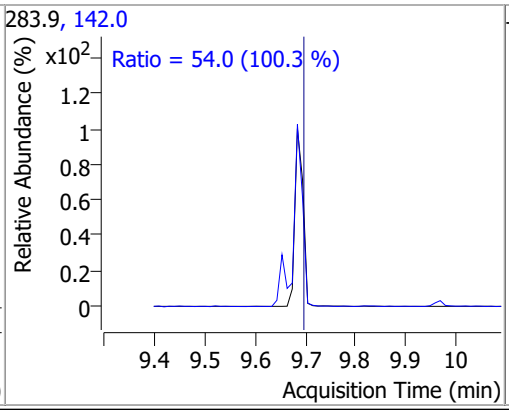


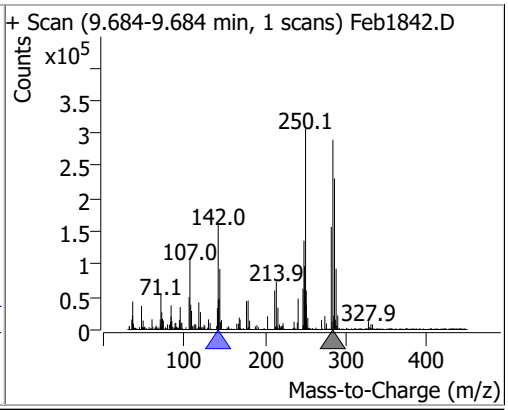




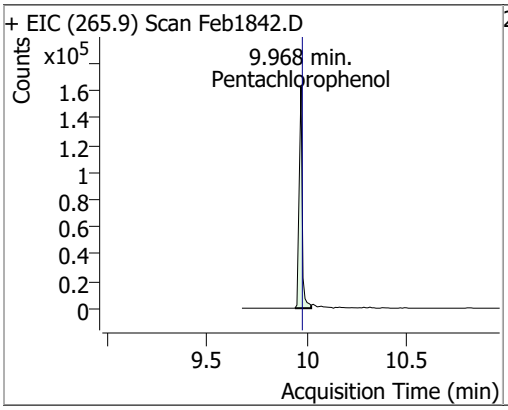
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Hexachlorobenzene	77.2619	9.68	-0.01	327758	142.0	54.0	37.7	70.0

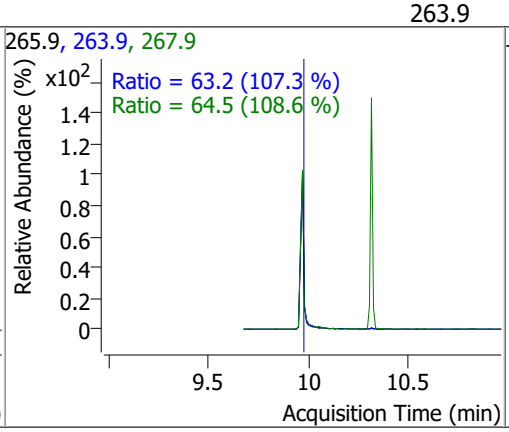


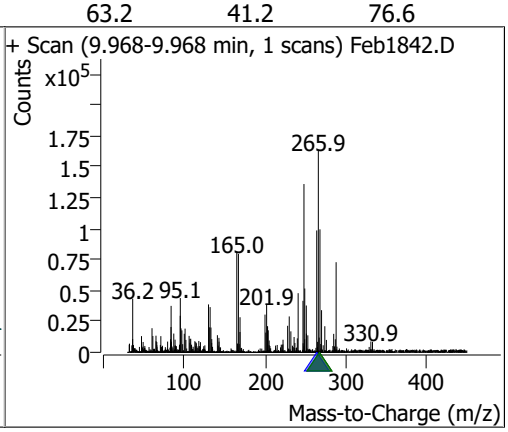




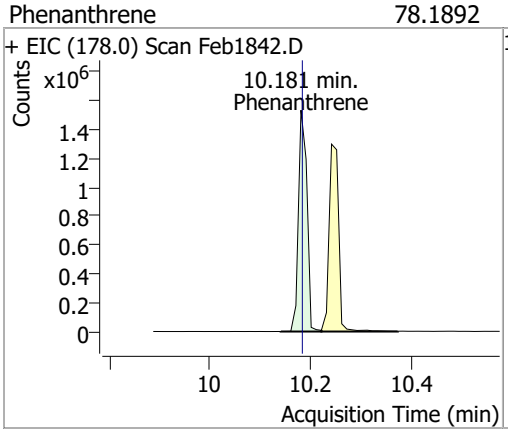
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pentachlorophenol	86.4769	9.97	0.00	173172	267.9	64.5	41.5	77.2
					263.9	63.2	41.2	76.6

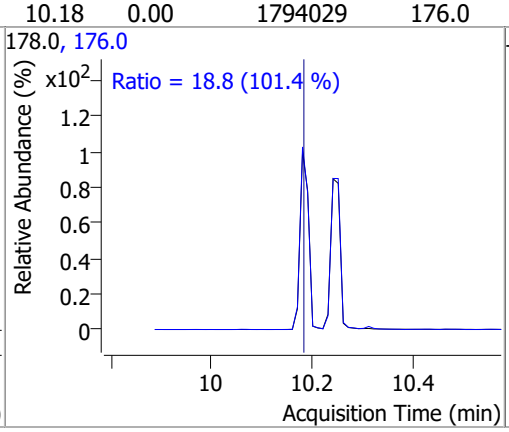


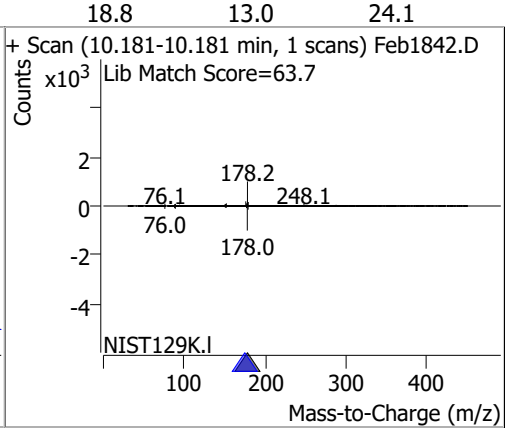




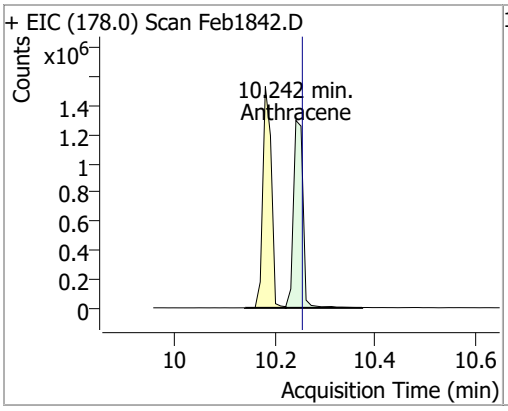
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Phenanthrene	78.1892	10.18	0.00	1794029	176.0	18.8	13.0	24.1

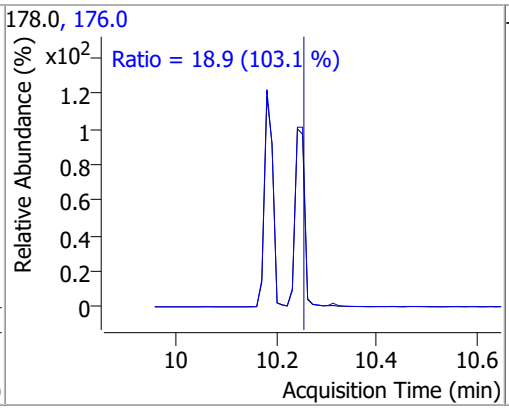


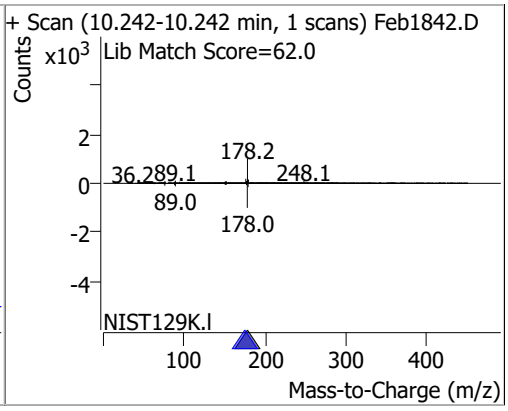




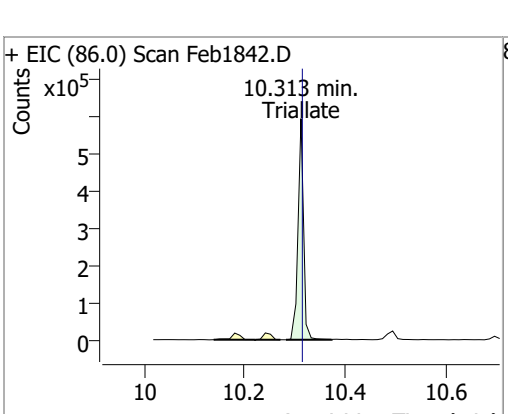
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Anthracene	79.1897	10.24	-0.01	1711458	176.0	18.9	12.9	23.9

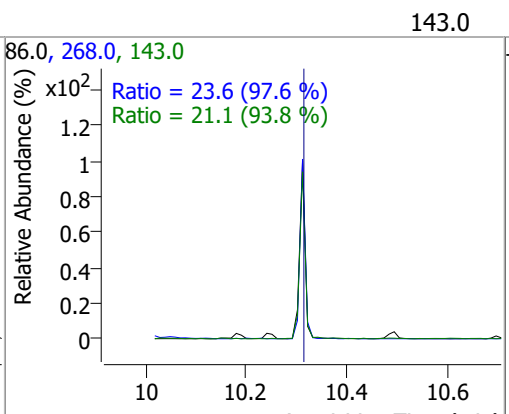


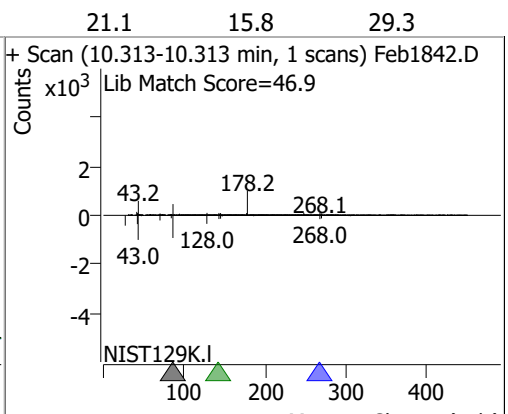




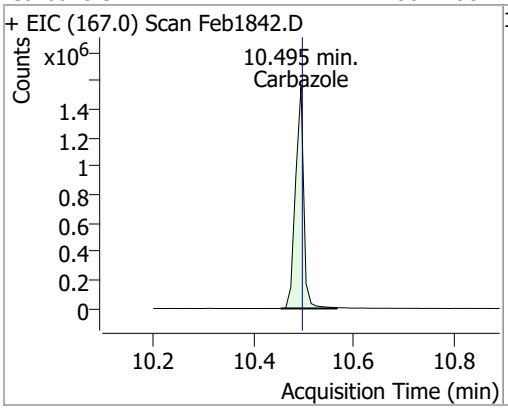
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Triallate	86.7288	10.31	0.00	452011	268.0	23.6	16.9	31.4
					143.0	21.1	15.8	29.3

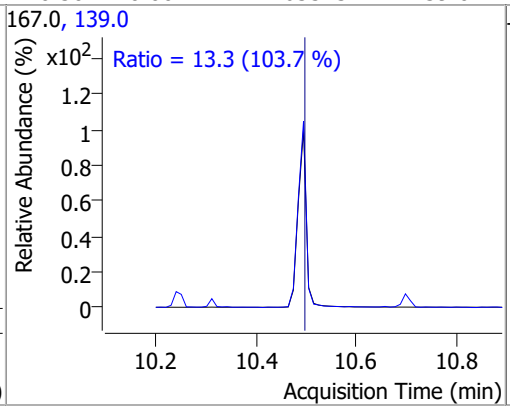


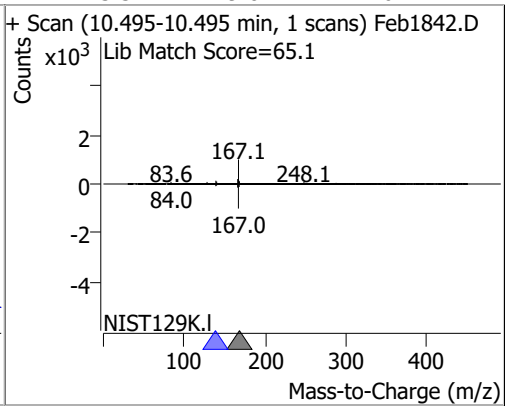




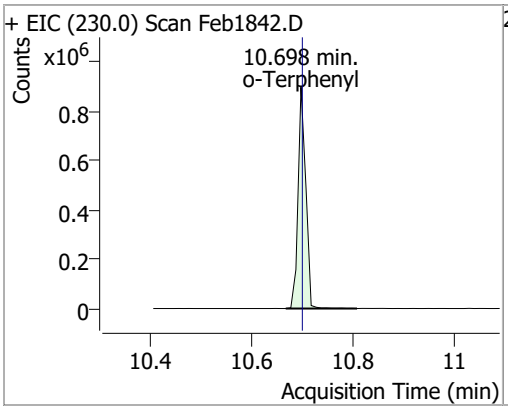
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Carbazole	80.4208	10.50	0.00	1763543	139.0	13.3	9.0	16.7

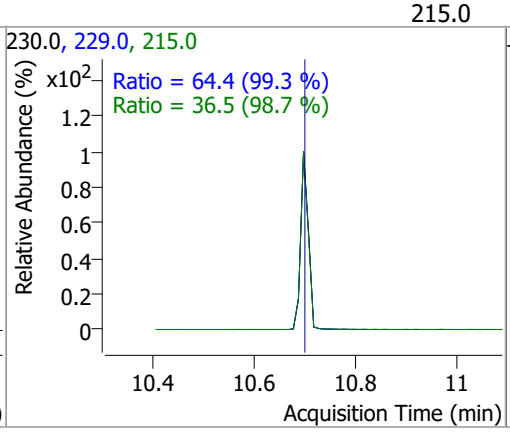


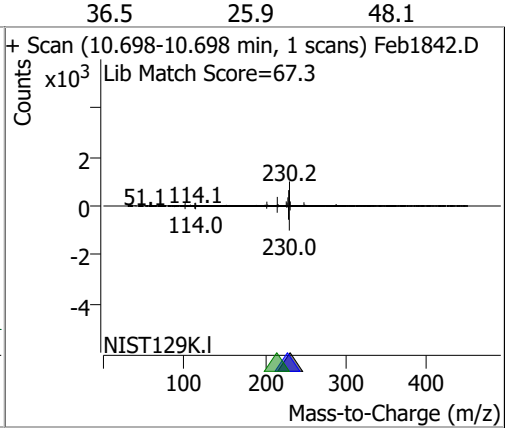




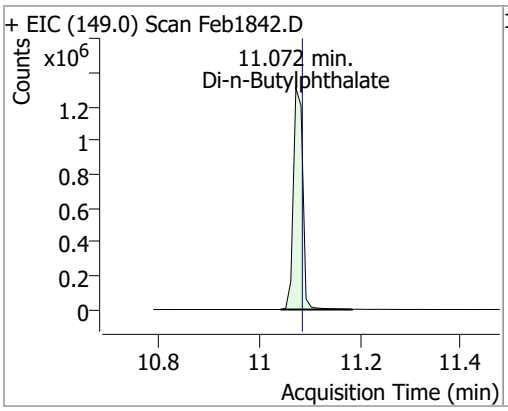
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
o-Terphenyl	78.1797	10.70	0.00	950927	229.0	64.4	45.4	84.3
					215.0	36.5	25.9	48.1

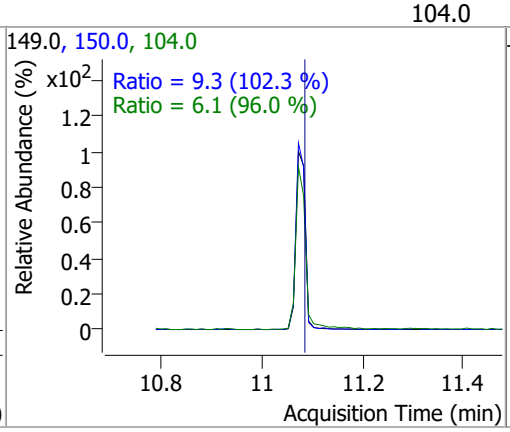


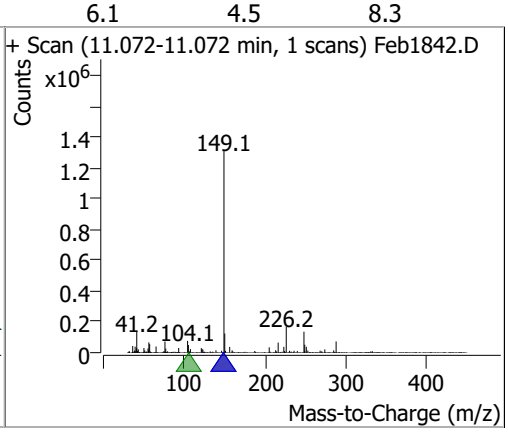




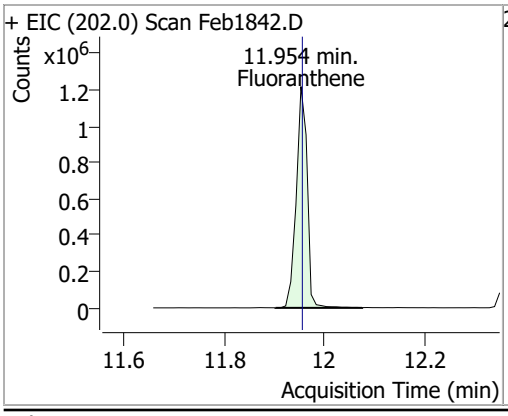
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-Butylphthalate	81.8939	11.07	-0.01	1701272	150.0	9.3	6.3	11.8
					104.0	6.1	4.5	8.3

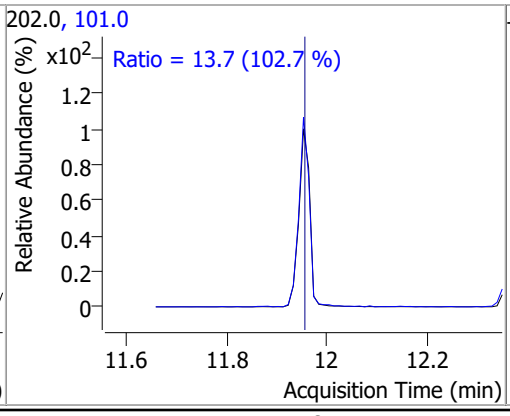


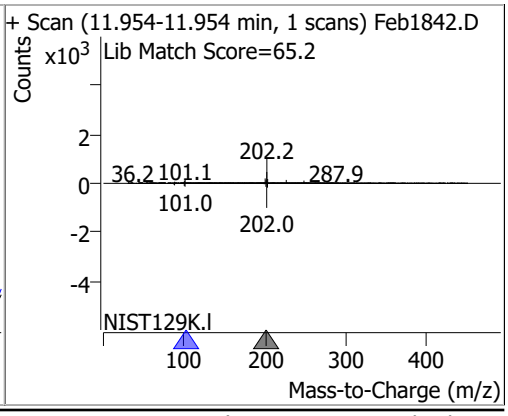




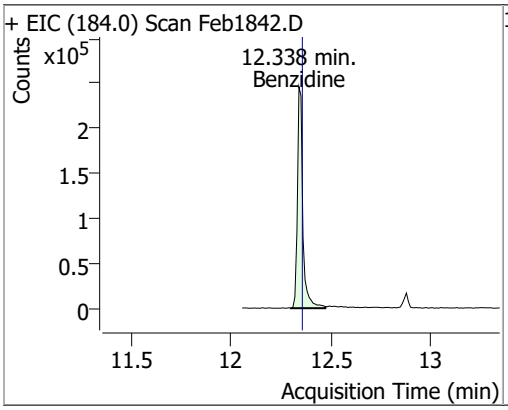
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Fluoranthene	80.1775	11.95	0.00	1840223	101.0	13.7	9.4	17.4

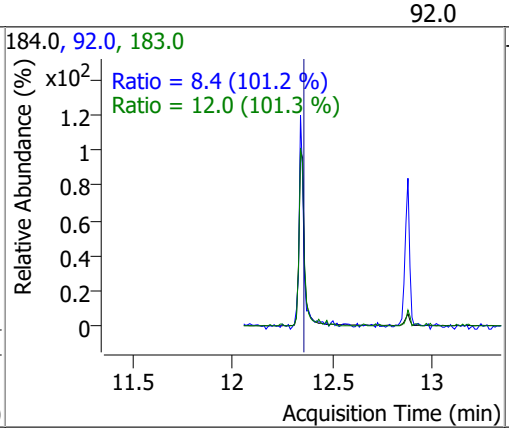


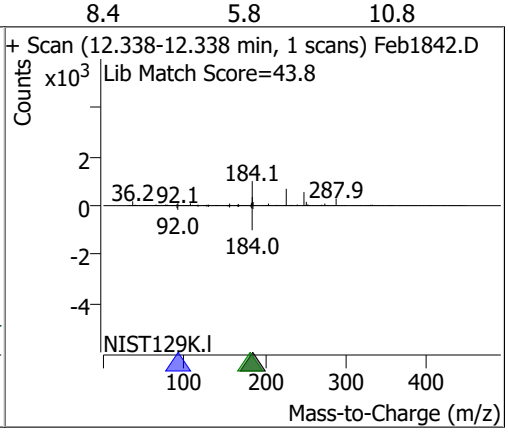




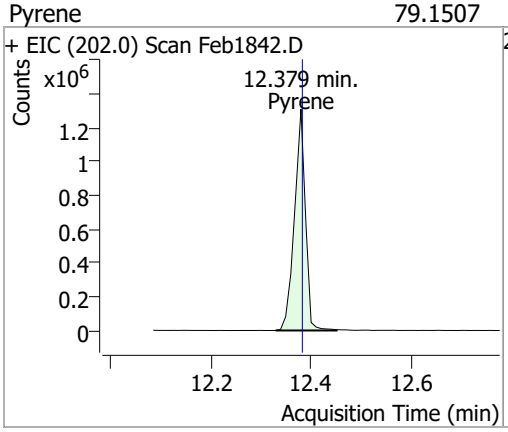
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzidine	55.3115	12.34	-0.01	459537	183.0	12.0	8.3	15.4
					92.0	8.4	5.8	10.8

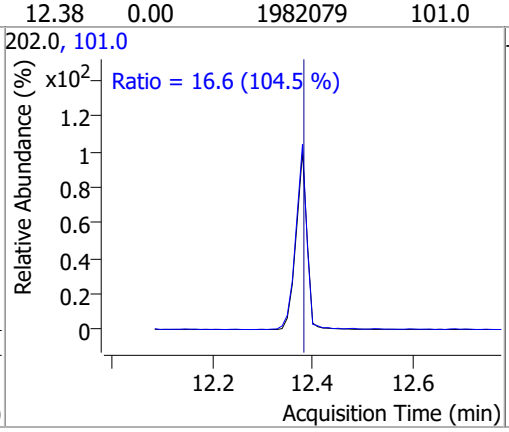


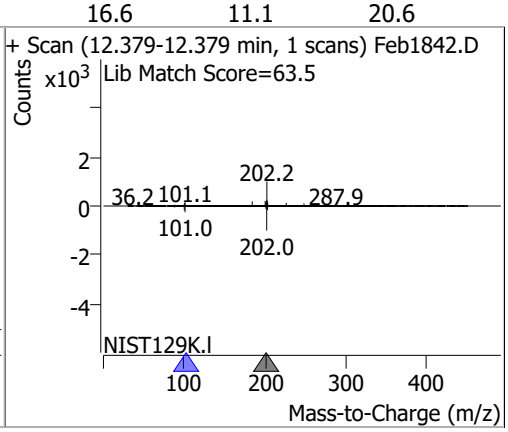




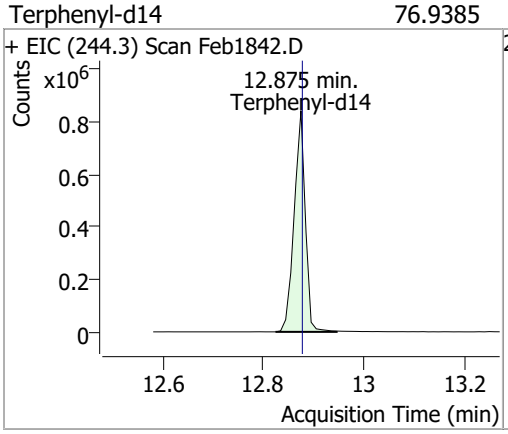
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Pyrene	79.1507	12.38	0.00	1982079	101.0	16.6	11.1	20.6

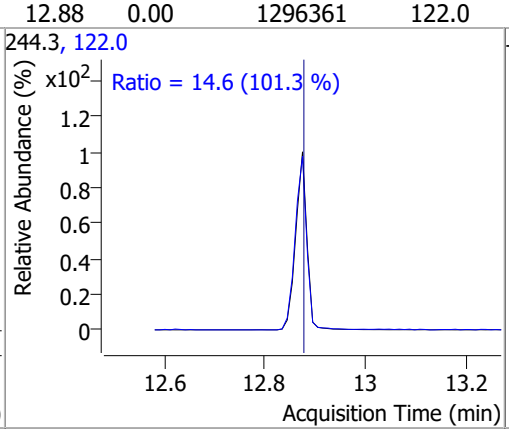


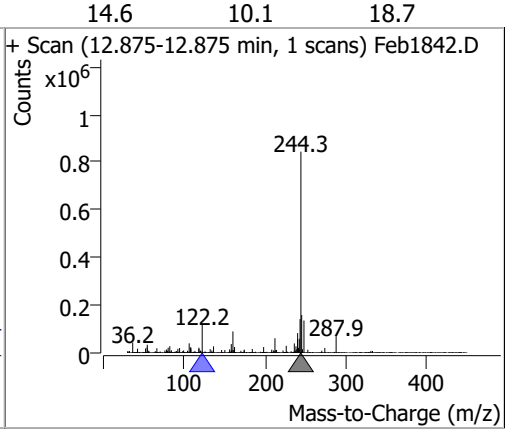




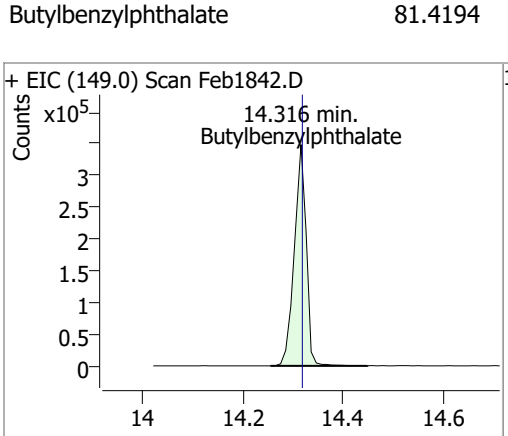
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Terphenyl-d14	76.9385	12.88	0.00	1296361	122.0	14.6	10.1	18.7

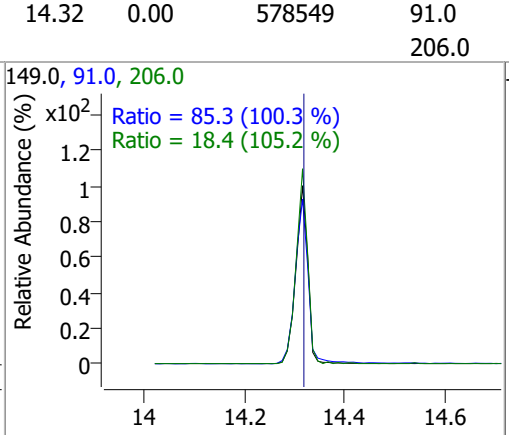


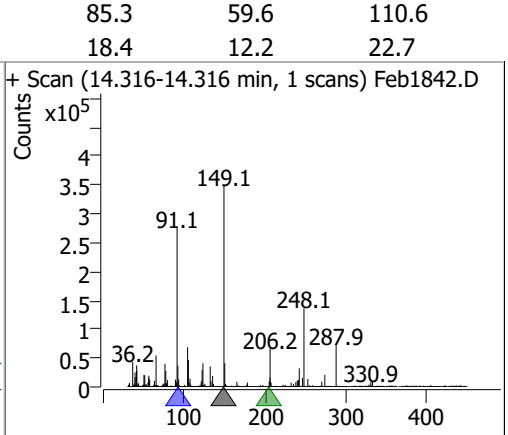




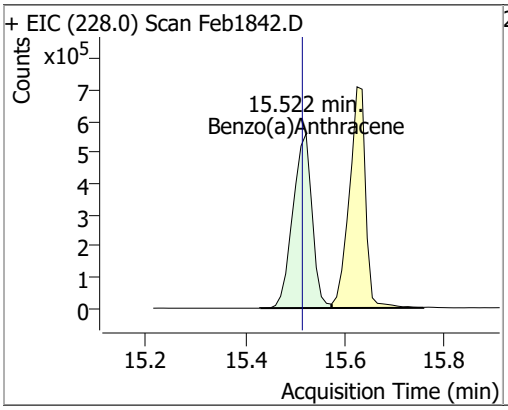
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Butylbenzylphthalate	81.4194	14.32	0.00	578549	91.0	85.3	59.6	110.6
					206.0	18.4	12.2	22.7

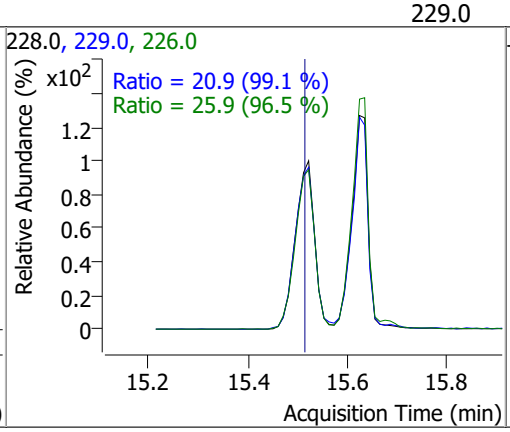


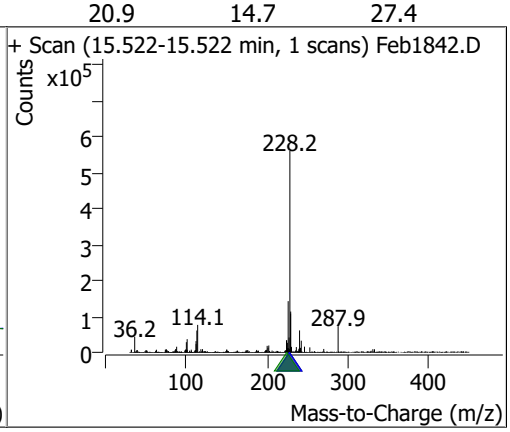




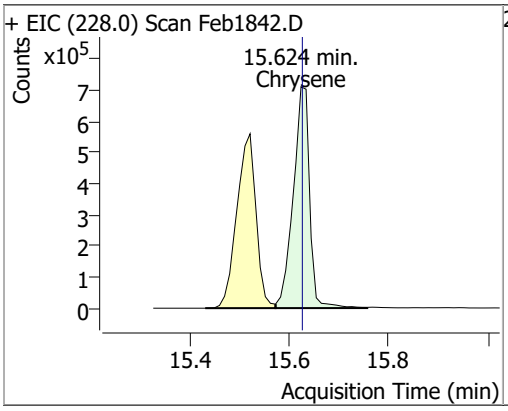
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)Anthracene	79.7402	15.52	0.01	1490979	226.0	25.9	18.8	34.9
					229.0	20.9	14.7	27.4

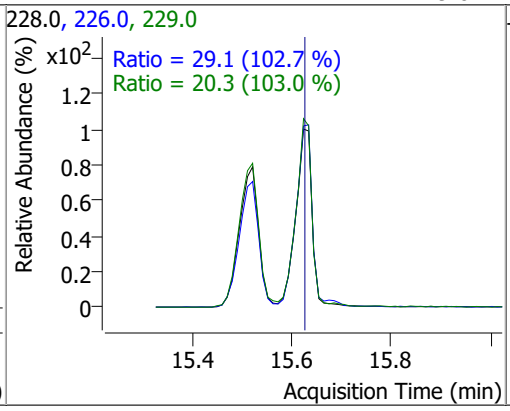


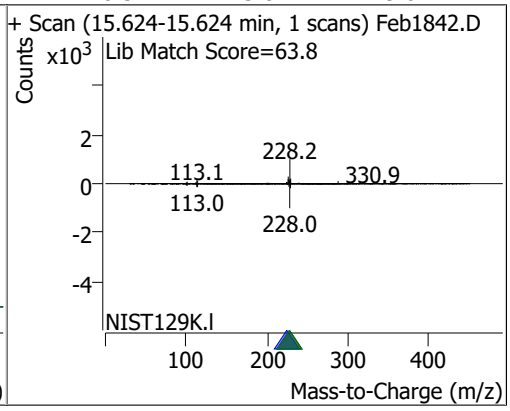




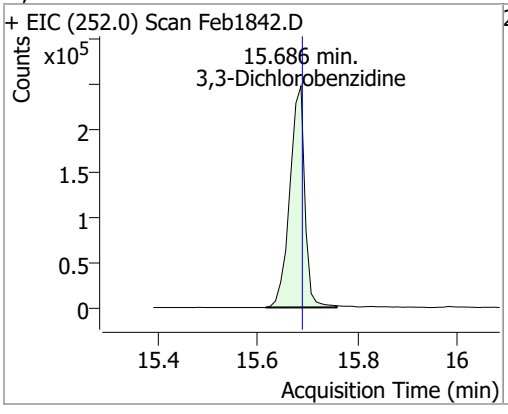
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Chrysene	77.3713	15.62	0.00	1621310	226.0	29.1	19.9	36.9
					229.0	20.3	13.8	25.6

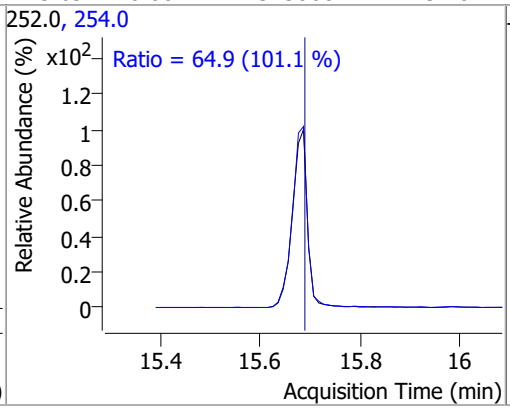


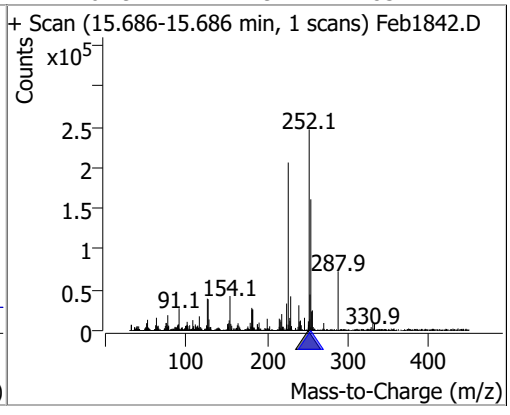




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
3,3-Dichlorobenzidine	77.9293	15.69	0.00	515060	254.0	64.9	44.9	83.4

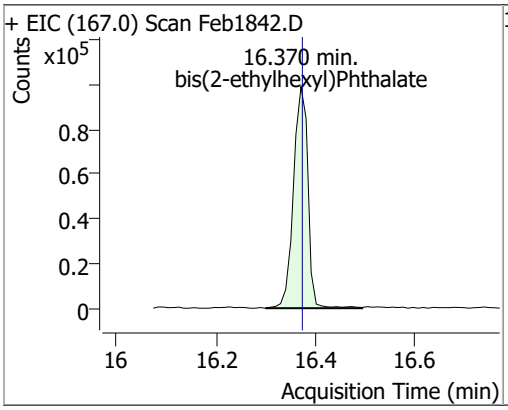


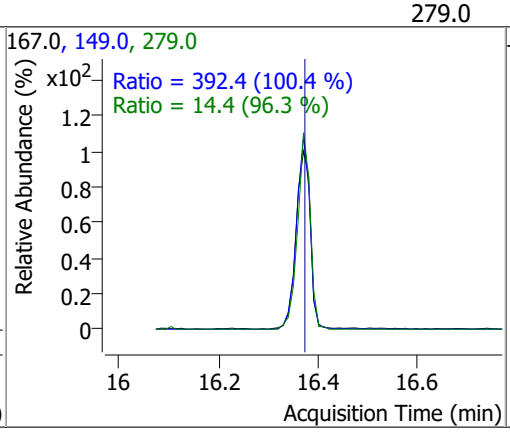


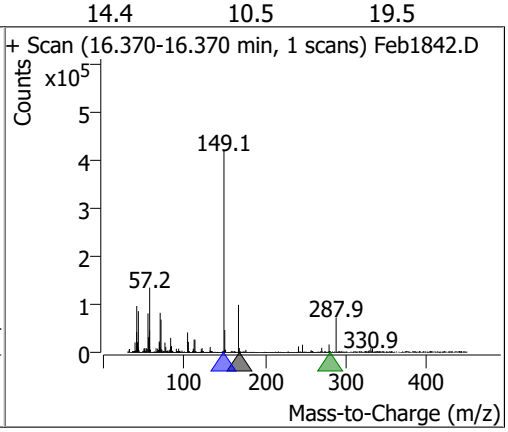


Quantitation Results Report (QT Reviewed)

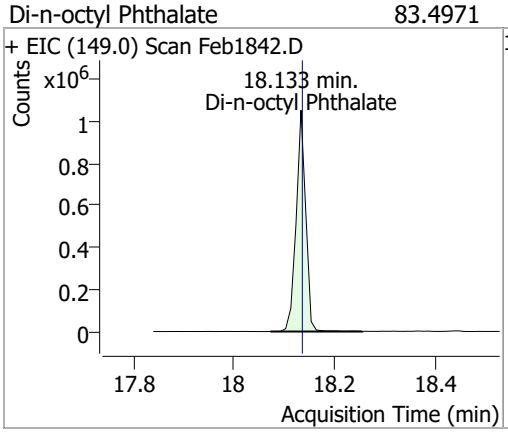
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
bis(2-ethylhexyl)Phthalate	81.8497	16.37	0.00	200412	149.0	392.4	273.6	508.0
					279.0	14.4	10.5	19.5

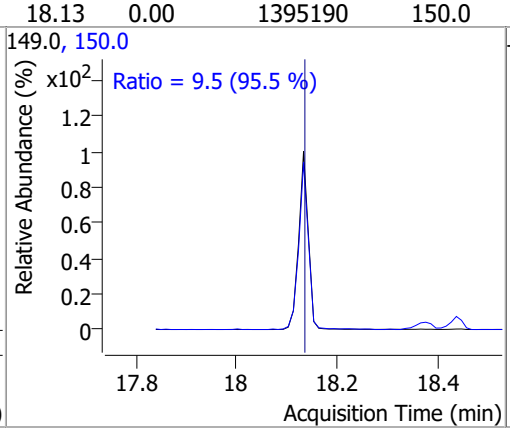


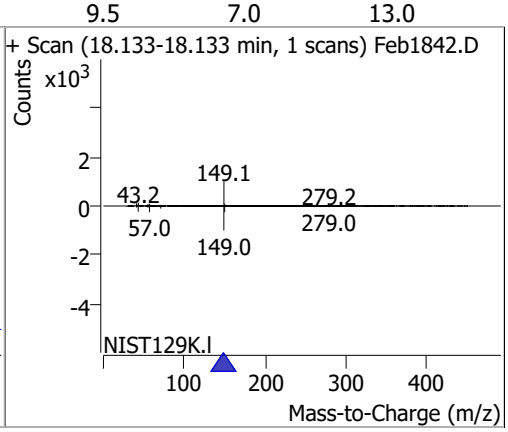




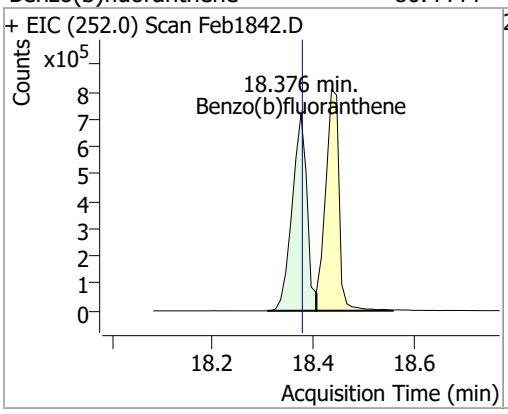
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Di-n-octyl Phthalate	83.4971	18.13	0.00	1395190	150.0	9.5	7.0	13.0

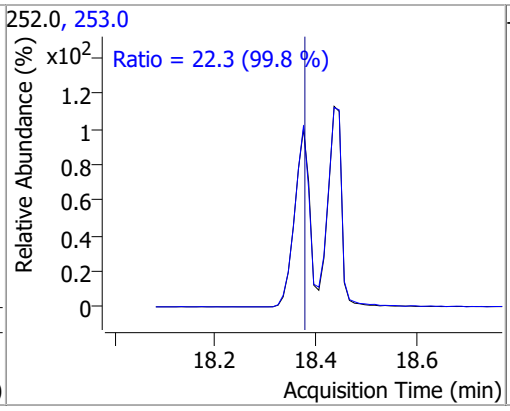


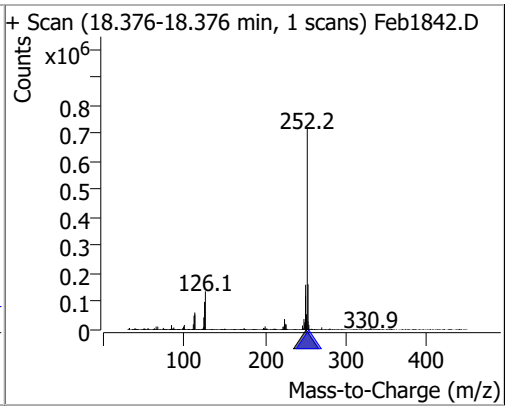




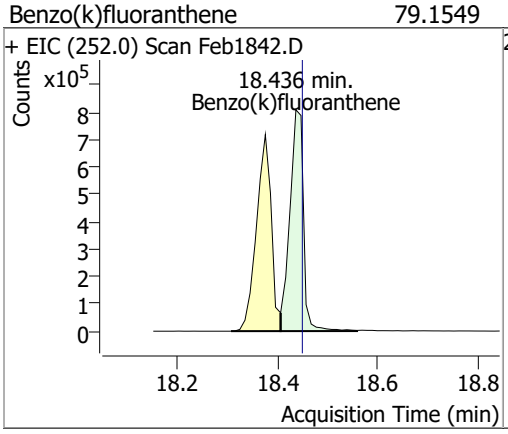
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(b)fluoranthene	80.4444	18.38	0.00	1463054	253.0	22.3	15.6	29.0

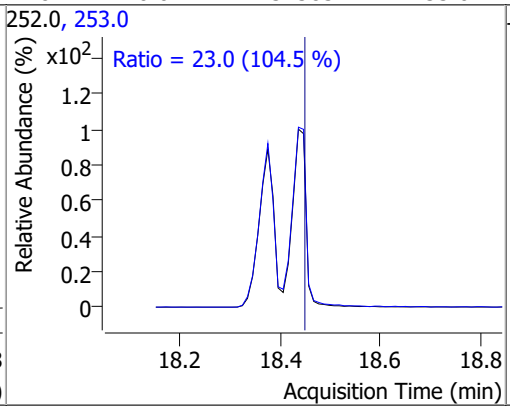


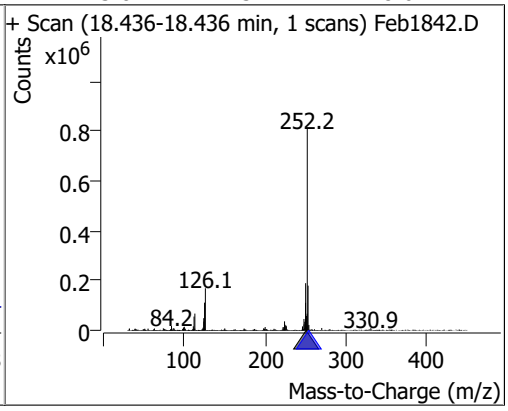




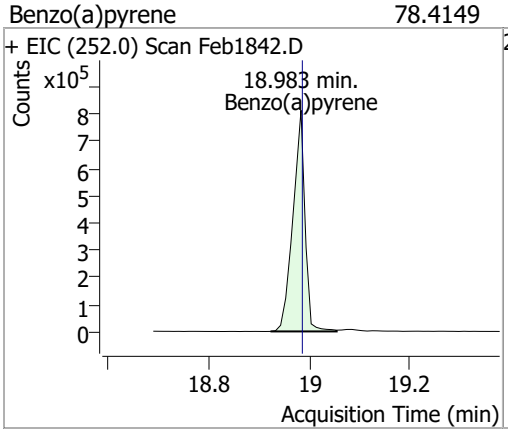
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(k)fluoranthene	79.1549	18.44	-0.01	1515832	253.0	23.0	15.4	28.6

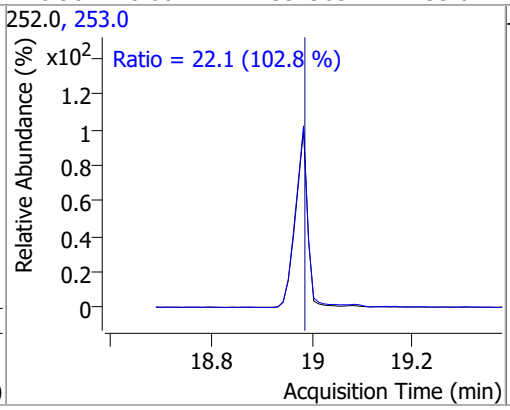


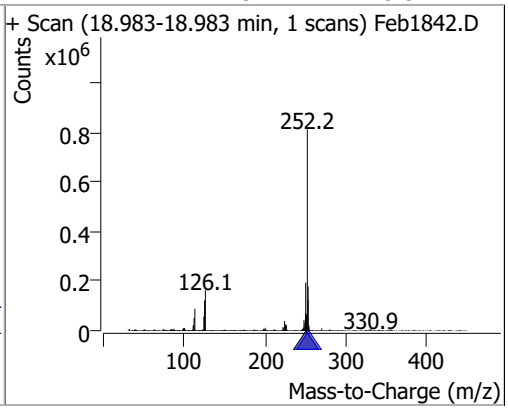




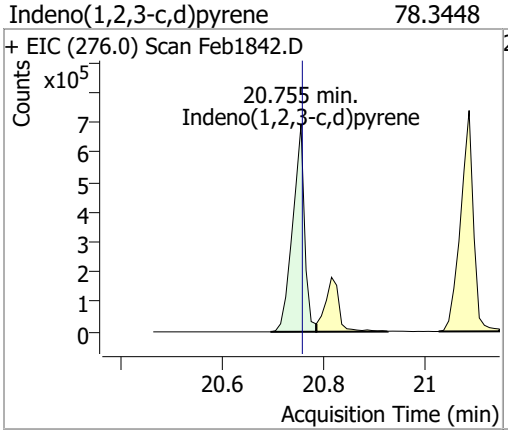
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(a)pyrene	78.4149	18.98	0.00	1351965	253.0	22.1	15.1	28.0

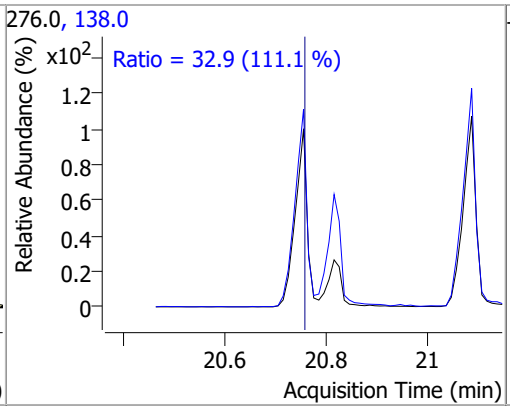


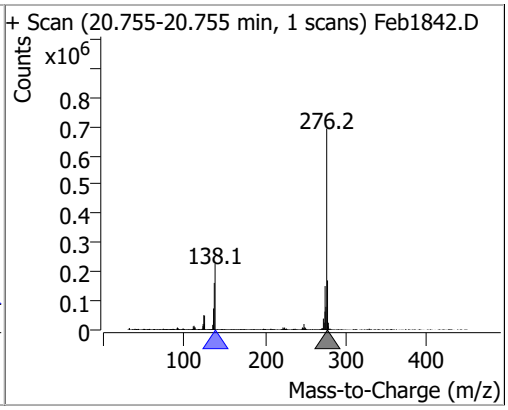




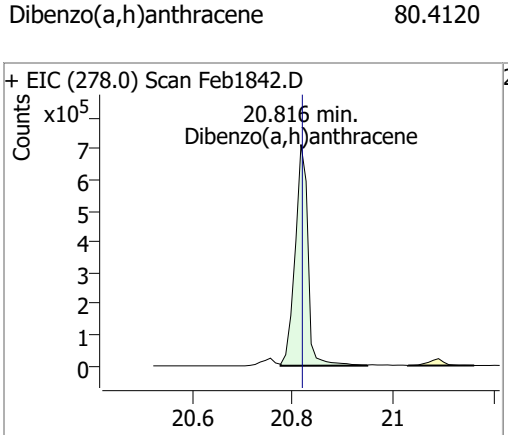
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Indeno(1,2,3-c,d)pyrene	78.3448	20.76	0.00	1133416	138.0	32.9	20.7	38.5

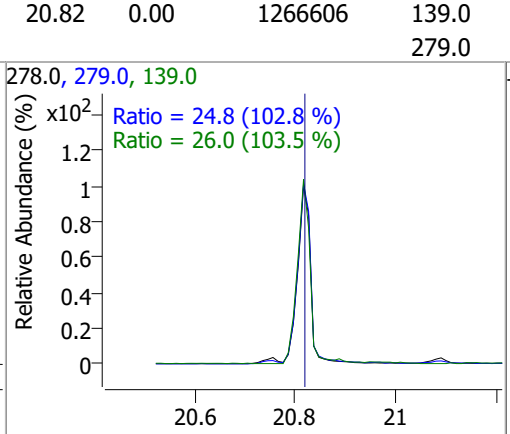


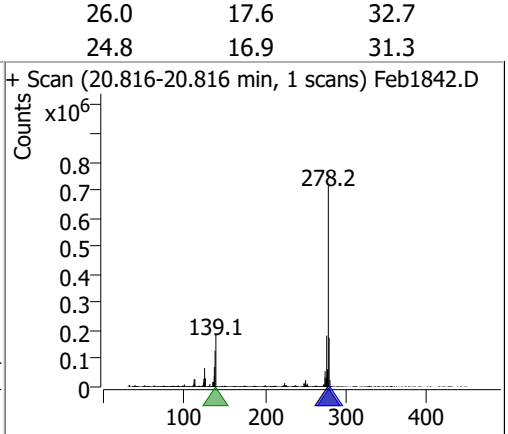




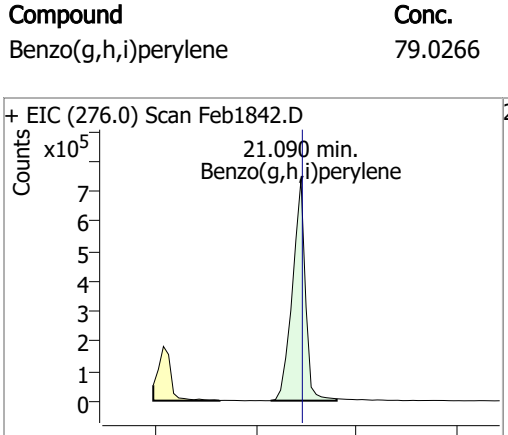
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Dibenzo(a,h)anthracene	80.4120	20.82	0.00	1266606	139.0	26.0	17.6	32.7
					279.0	24.8	16.9	31.3

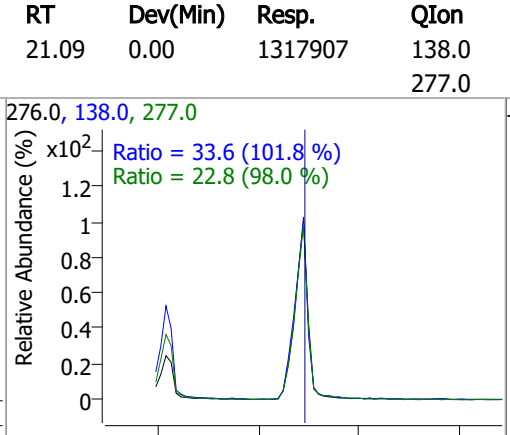


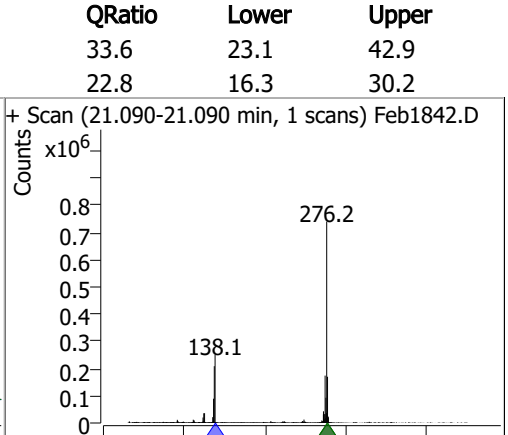




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Benzo(g,h,i)perylene	79.0266	21.09	0.00	1317907	138.0	33.6	23.1	42.9
					277.0	22.8	16.3	30.2







Audit Trail report

Batch name and path: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantResults\021822 DoD BNA 2.batch.bin
Quant batch version: 10.0
Quant reporting version: 10.0

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdNewBatchTable	BL2000\sean	2/20/2022 10:53:56 AM	Create new batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\021822 DoD BNA 2.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\sean	2/20/2022 10:57:34 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1847.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1846.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1845.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1844.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1843.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1842.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1841.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1840.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1839.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1838.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1837.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1836.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1835.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1834.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1833.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1832.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1831.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1830.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1829.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1828.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1827.D, \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1826.D			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:57:58 AM	Set SampleType = TuneCheck for sample Feb1826.D; previous value = Sample			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSaveBatchTable	BL2000\sean	2/20/2022 10:58:31 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantResults\021822 DoD BNA 2.batch.bin			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:58:38 AM	Set SampleType = CC for sample Feb1827.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:58:40 AM	Set SampleType = Matrix for sample Feb1831.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:58:44 AM	Set SampleType = Matrix for sample Feb1834.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:58:47 AM	Set SampleType = Matrix for sample Feb1841.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:58:50 AM	Set SampleType = CC for sample Feb1842.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:58:56 AM	Set MatrixSpikeGroup = B22020415-032C for sample Feb1830.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:58:57 AM	Set MatrixSpikeGroup = B22020415-032C for sample Feb1831.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:59:00 AM	Set MatrixSpikeGroup = B22020962-006C for sample Feb1833.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:59:01 AM	Set MatrixSpikeGroup = B22020962-006C for sample Feb1834.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:59:04 AM	Set Comment = Feb1840.D for sample Feb1840.D; previous value = SVOC-8270-W-LARGO			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:59:04 AM	Set SampleGroup = Sample for sample Feb1840.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:59:05 AM	Set Comment = Feb1840.D for sample Feb1841.D; previous value = SVOC-8270-W-LARGO			✓	
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CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:59:10 AM	Set SampleInformation = MatruixA for sample Feb1841.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:59:19 AM	Set SampleInformation = MatrixA for sample Feb1841.D; previous value = MatruixA			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:59:26 AM	Set SampleInformation = MatrixA for sample Feb1834.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 10:59:27 AM	Set SampleInformation = MatrixA for sample Feb1831.D; previous value =			✓	
CmdOpenAndApplyMethodFromBatch	BL2000\sean	2/20/2022 10:59:58 AM	Open and apply method from batch: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\021822 DoD BNA cal.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\sean	2/20/2022 11:00:31 AM	Set LevelName = CCV for sample Feb1827.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 11:00:40 AM	Set LevelName = CCV for sample Feb1842.D; previous value =			✓	
CmdQuantitate	BL2000\sean	2/20/2022 11:02:02 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 11:03:10 AM	Split qualifier 77.0 of compound Benzoic Acid in sample Feb1827.D and keep left peak, new integration is from x, y = 6.126, 1943.72796811901 to 6.290, 2075.59781143733 and new response = 281825, previous integration is from x, y = 6.126, 1944 to 6.383, 2150 and previous response = 379369.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 11:03:20 AM	Apply target integration range 4.593-4.675 to qualifier 66.0 for compound Phenol in sample Feb1827.D, new integration is from x, y = 4.593, 16378 to 4.675, 10293 and new response = 475849; previous integration is from x, y = 4.532, 823 to 4.593, 923 and previous response = 518044.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 11:03:21 AM	Drop baseline for qualifier 66.0 of compound Phenol in sample Feb1827.D to y = 10293, new integration is from x, y = 4.593, 10293 to 4.675, 10293 and new response = 490763; previous integration is from x, y = 4.593, 16378 to 4.675, 10293 and previous response = 475849.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 11:03:40 AM	Manually integrate compound 1,4-Dichlorobenzene in sample Feb1827.D, from x, y = 4.879, 662087 to 5.012, 713155, result = -4246420; previous integration is from x, y = 4.797, 0 to 4.879, 0 and previous response = 1217643.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 11:03:41 AM	Snap baseline for compound 1,4-Dichlorobenzene in sample Feb1827.D, from x = 4.879 to x = 5.012, new integration is from x, y = 4.879, 4554 to 5.012, 4489 and new response = 1195149; previous integration is from x, y = 4.879, 662087 to 5.012, 713155 and previous response = -4246420.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 11:03:42 AM	Drop baseline for compound 1,4-Dichlorobenzene in sample Feb1827.D to y = 4489, new integration is from x, y = 4.879, 4489 to 5.012, 4489 and new response = 1195408; previous integration is from x, y = 4.879, 4554 to 5.012, 4489 and previous response = 1195149.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 11:03:44 AM	Apply target integration range 4.879-5.012 to qualifier 148.0 for compound 1,4-Dichlorobenzene in sample Feb1827.D, new integration is from x, y = 4.879, 3701 to 5.012, 3362 and new response = 780259; previous integration is from x, y = 5.032, 300 to 5.134, 393 and previous response = 741927.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 11:03:45 AM	Apply target integration range 4.879-5.012 to qualifier 111.0 for compound 1,4-Dichlorobenzene in sample Feb1827.D, new integration is from x, y = 4.879, 3029 to 5.012, 1601 and new response = 428508; previously no peak.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 11:03:50 AM	Manually integrate compound 1,2-Dichlorobenzene in sample Feb1827.D, from x, y = 5.022, 600805 to 5.185, 641659, result = -4922529; previous integration is from x, y = 4.797, 42 to 4.879, 110 and previous response = 1211911.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 11:03:51 AM	Snap baseline for compound 1,2-Dichlorobenzene in sample Feb1827.D, from x = 5.022 to x = 5.185, new integration is from x, y = 5.022, 4073 to 5.185, 2498 and new response = 1135818; previous integration is from x, y = 5.022, 600805 to 5.185, 641659 and previous response = -4922529.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 11:03:52 AM	Drop baseline for compound 1,2-Dichlorobenzene in sample Feb1827.D to y = 2498, new integration is from x, y = 5.022, 2498 to 5.185, 2498 and new response = 1143538; previous integration is from x, y = 5.022, 4073 to 5.185, 2498 and previous response = 1135818.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 11:03:52 AM	Set UserAnnotation = CO for compound 1,2-Dichlorobenzene in sample Feb1827.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 11:03:54 AM	Apply target integration range 5.022-5.185 to qualifier 148.0 for compound 1,2-Dichlorobenzene in sample Feb1827.D, new integration is from x, y = 5.022, 2679 to 5.185, 1956 and new response = 729006; previous integration is from x, y = 5.032, 176 to 5.134, 221 and previous response = 742834.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 11:03:56 AM	Apply target integration range 5.022-5.185 to qualifier 111.0 for compound 1,2-Dichlorobenzene in sample Feb1827.D, new integration is from x, y = 5.022, 1345 to 5.185, 677 and new response = 441769; previously no peak.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 11:04:02 AM	Manually integrate compound Benzyl Alcohol in sample Feb1827.D, from x, y = 5.022, 1141863 to 5.042, 1141863, result = -1398385; previous integration is from x, y = 5.056, 5191 to 5.216, 5191 and previous response = 469126.			✓	
CmdClearManualIntegration	BL2000\sean	2/20/2022 11:04:05 AM	Clear manual integration of target signal for compound Benzyl Alcohol in sample Feb1827.D			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 11:04:22 AM	Split qualifier 77.0 of compound Nitrobenzene in sample Feb1827.D and keep right peak, new integration is from x, y = 5.492, 3892.96201358692 to 5.604, 3327.58692436889 and new response = 679445, previous integration is from x, y = 5.395, 4378 to 5.604, 3328 and previous response = 1024010.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 11:04:35 AM	Apply target integration range 6.301-6.393 to qualifier 129.0 for compound Naphthalene in sample Feb1827.D, new integration is from x, y = 6.301, 571 to 6.393, 976 and new response = 254436; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 11:04:36 AM	Drop baseline for qualifier 129.0 of compound Naphthalene in sample Feb1827.D to y = 571, new integration is from x, y = 6.301, 571 to 6.393, 571 and new response = 255559; previous integration is from x, y = 6.301, 571 to 6.393, 976 and previous response = 254436.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 11:04:43 AM	Split qualifier 129.0 of compound p-Chloroaniline in sample Feb1827.D and keep right peak, new integration is from x, y = 6.393, 496.46356050719 to 6.475, 535.380918656148 and new response = 326191, previous integration is from x, y = 6.290, 448 to 6.475, 535 and previous response = 582321.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 11:04:53 AM	Split peak for compound 1-Methylnaphthalene in sample Feb1827.D and keep left peak, new integration is from x, y = 7.225, 1514.0042658776 to 7.317, 1565.49028567921 and new response = 1190045, previous integration is from x, y = 7.225, 1514 to 7.389, 1606 and previous response = 1245089.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 11:04:54 AM	Set UserAnnotation = CO for compound 1-Methylnaphthalene in sample Feb1827.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 11:05:04 AM	Split peak for compound 2,4,6-Trichlorophenol in sample Feb1827.D and keep left peak, new integration is from x, y = 7.492, 132.335927988484 to 7.553, 189.862445326714 and new response = 440005, previous integration is from x, y = 7.492, 132 to 7.646, 277 and previous response = 899269.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 11:05:05 AM	Set UserAnnotation = CO for compound 2,4,6-Trichlorophenol in sample Feb1827.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 11:05:07 AM	Split qualifier 198.0 of compound 2,4,6-Trichlorophenol in sample Feb1827.D and keep left peak, new integration is from x, y = 7.492, 113.926165856292 to 7.553, 177.176923777702 and new response = 424246, previous integration is from x, y = 7.492, 114 to 7.646, 273 and previous response = 858954.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 11:05:27 AM	Manually integrate compound Acenaphthene-d10 in sample Feb1827.D, from x, y = 8.333, -503 to 8.671, 0, result = 705921; previous integration is from x, y = 8.353, 520 to 8.435, 597 and previous response = 649655.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 11:05:30 AM	Snap baseline for compound Acenaphthene-d10 in sample Feb1827.D, from x = 8.333 to x = 8.671, new integration is from x, y = 8.333, 0 to 8.671, 0 and new response = 700827; previous integration is from x, y = 8.333, -503 to 8.671, 0 and previous response = 705921.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 11:05:39 AM	Split peak for compound 2,4,5-Trichlorophenol in sample Feb1827.D and keep right peak, new integration is from x, y = 7.553, 150.896029640905 to 7.646, 229.650613519341 and new response = 460828, previous integration is from x, y = 7.492, 99 to 7.646, 230 and previous response = 899621.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 11:05:40 AM	Set UserAnnotation = CO for compound 2,4,5-Trichlorophenol in sample Feb1827.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 11:05:42 AM	Split qualifier 198.0 of compound 2,4,5-Trichlorophenol in sample Feb1827.D and keep right peak, new integration is from x, y = 7.553, 146.153649474193 to 7.646, 223.030904505594 and new response = 435768, previous integration is from x, y = 7.492, 95 to 7.646, 223 and previous response = 859257.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 11:05:49 AM	Apply target integration range 8.159-8.323 to qualifier 153.1 for compound Acenaphthylene in sample Feb1827.D, new integration is from x, y = 8.159, 0 to 8.323, 1378 and new response = 284820; previous integration is from x, y = 8.374, 0 to 8.486, 0 and previous response = 1296011.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 11:05:57 AM	Apply target integration range 8.384-8.486 to qualifier 152.0 for compound Acenaphthene in sample Feb1827.D, new integration is from x, y = 8.384, 2706 to 8.486, 3305 and new response = 610500; previous integration is from x, y = 8.159, 221 to 8.323, 600 and previous response = 2127049.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 11:06:07 AM	Apply target integration range 8.497-8.650 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1827.D, new integration is from x, y = 8.497, 2709 to 8.650, 1698 and new response = 63612; previous integration is from x, y = 8.384, 878 to 8.486, 938 and previous response = 1192294.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 11:06:16 AM	Split qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1827.D and keep right peak, new integration is from x, y = 8.650, 1887.23791129296 to 8.691, 1853.11175191604 and new response = 114260, previous integration is from x, y = 8.602, 1927 to 8.691, 1853 and previous response = 227591.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 11:06:43 AM	Manually integrate compound Anthracene in sample Feb1827.D, from x, y = 10.110, 894957 to 10.343, 996973, result = -8540152; previous integration is from x, y = 10.151, 349 to 10.221, 476 and previous response = 2345137.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 11:06:44 AM	Snap baseline for compound Anthracene in sample Feb1827.D, from x = 10.110 to x = 10.343, new integration is from x, y = 10.110, 0 to 10.343, 4084 and new response = 4653062; previous integration is from x, y = 10.110, 894957 to 10.343, 996973 and previous response = -8540152.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 11:06:47 AM	Drop baseline for compound Anthracene in sample Feb1827.D to y = 0, new integration is from x, y = 10.110, 0 to 10.343, 0 and new response = 4681603; previous integration is from x, y = 10.110, 0 to 10.343, 4084 and previous response = 4653062.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 11:06:48 AM	Split peak for compound Anthracene in sample Feb1827.D and keep right peak, new integration is from x, y = 10.221, 0 to 10.343, 0 and new response = 2334154, previous integration is from x, y = 10.110, 0 to 10.343, 0 and previous response = 4681603.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 11:06:48 AM	Set UserAnnotation = CO for compound Anthracene in sample Feb1827.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 11:06:51 AM	Apply target integration range 10.221-10.343 to qualifier 176.0 for compound Anthracene in sample Feb1827.D, new integration is from x, y = 10.221, 1653 to 10.343, 693 and new response = 421329; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 11:06:52 AM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1827.D to y = 693, new integration is from x, y = 10.221, 693 to 10.343, 693 and new response = 424830; previous integration is from x, y = 10.221, 1653 to 10.343, 693 and previous response = 421329.			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 11:08:27 AM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantResults\021822 DoD BNA 2.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\sean	2/20/2022 11:08:58 AM	Replace level CCV with CC sample Feb1827.D for compounds {Terphenyl-d14, 2,4,6-Tribromophenol, 2-Fluorobiphenyl, Nitrobenzene-d5, Phenol-d5, 2-Fluorophenol, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Indeno(1,2,3-c,d)pyrene, Benzo(a)pyrene, Benzo(k)fluoranthene, Benzo(b)fluoranthene, Di-n-octyl Phthalate, bis(2-ethylhexyl)Phthalate, 3,3-Dichlorobenzidine, Chrysene, Benzo(a)Anthracene, Butylbenzylphthalate, Pyrene, Benzidine, Fluoranthene, Di-n-Butylphthalate, Triallate, Anthracene, Phenanthrene, Pentachlorophenol, Hexachlorobenzene, 4-Bromophenyl-phenylether, Azobenzene, N-nitrosodiphenylamine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, Diethylphthalate, 4-Chlorophenyl-phenylether, Fluorene, 2,4-Dinitrotoluene, 4-Nitrophenol, Dibenzofuran, 2,4-Dinitrophenol, 3-Nitroaniline, Acenaphthene, 2,6-Dinitrotoluene, Acenaphthylene, Dimethyl Phthalate, 2-Nitroaniline, 2-Chloronaphthalene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, Hexachlorocyclopentadiene, 4-Chloro-2-Methylphenol, 1-Methylnaphthalene, 2-Methylnaphthalene, 4-Chloro-3-Methylphenol, Hexachlorobutadiene, p-Chloroaniline, 4-Chlorophenol, Naphthalene, 1,2,4-Trichlorobenzene, 2,4-Dichlorophenol, bis(-2-Chloroethoxy)Methane, 2,4-Dimethylphenol, 2-Nitrophenol, Isophorone, Nitrobenzene, N-nitroso-Di-n-propylamine, Hexachloroethane, 4Methylphenol/3Methylphenol, 2-Methylphenol, bis(2-chloroisopropyl)Ether, Benzyl Alcohol, 1,2-Dichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 2-Chlorophenol, bis(-2-Chloroethyl)Ether, Phenol, Aniline, Pyridine, Carbazole, Benzoic Acid, o-Terphenyl, N-Nitrosodimethylamine};			✓	
CmdQuantitate	BL2000\sean	2/20/2022 11:10:06 AM	Quantitate all compounds in all samples			✓	
CmdQuantitate	BL2000\sean	2/20/2022 11:13:51 AM	Quantitate all compounds in all samples			✓	
CmdQuantitate	BL2000\sean	2/20/2022 11:15:04 AM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:53:44 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1828.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:53:45 PM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1828.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:53:47 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1828.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:53:48 PM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1828.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:53:51 PM	Zero out primary peak of compound bis(-2-Chloroethyl)Ether in sample Feb1828.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:53:52 PM	Set UserAnnotation = INT for compound bis(-2-Chloroethyl)Ether in sample Feb1828.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:53:54 PM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1828.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:53:55 PM	Set UserAnnotation = INT for compound 4-Chlorophenol in sample Feb1828.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:54:04 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1829.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:54:05 PM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1829.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:54:13 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1829.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:54:15 PM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1829.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:54:20 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1829.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:54:21 PM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1829.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:54:23 PM	Zero out primary peak of compound Benzidine in sample Feb1829.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:54:24 PM	Set UserAnnotation = INT for compound Benzidine in sample Feb1829.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:54:26 PM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1829.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:54:26 PM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1829.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:54:28 PM	Zero out primary peak of compound bis(-2-Chloroethyl)Ether in sample Feb1829.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:54:30 PM	Set UserAnnotation = INT for compound bis(-2-Chloroethyl)Ether in sample Feb1829.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:54:46 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1830.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:54:47 PM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1830.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:54:49 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1830.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:54:50 PM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1830.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:54:52 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1830.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:54:53 PM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1830.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:54:55 PM	Zero out primary peak of compound Benzidine in sample Feb1830.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:54:56 PM	Set UserAnnotation = INT for compound Benzidine in sample Feb1830.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:54:59 PM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1830.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:55:00 PM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1830.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 12:55:23 PM	Split peak for compound Aniline in sample Feb1831.D and keep left peak, new integration is from x, y = 4.532, 544.956342565865 to 4.603, 720.473930505427 and new response = 590816, previous integration is from x, y = 4.532, 545 to 4.766, 1126 and previous response = 1409482.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:55:24 PM	Set UserAnnotation = CO for compound Aniline in sample Feb1831.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 12:55:26 PM	Apply target integration range 4.532-4.603 to qualifier 65.0 for compound Aniline in sample Feb1831.D, new integration is from x, y = 4.532, 1085 to 4.603, 14457 and new response = 84803; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 12:55:27 PM	Drop baseline for qualifier 65.0 of compound Aniline in sample Feb1831.D to y = 1085, new integration is from x, y = 4.532, 1085 to 4.603, 1085 and new response = 113151; previous integration is from x, y = 4.532, 1085 to 4.603, 14457 and previous response = 84803.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 12:55:41 PM	Manually integrate compound 1,2-Dichlorobenzene in sample Feb1831.D, from x, y = 5.022, 433728 to 5.103, 433728, result = -1295521; previous integration is from x, y = 4.879, 114 to 4.960, 185 and previous response = 791725.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 12:55:42 PM	Snap baseline for compound 1,2-Dichlorobenzene in sample Feb1831.D, from x = 5.022 to x = 5.103, new integration is from x, y = 5.022, 3952 to 5.103, 5775 and new response = 806773; previous integration is from x, y = 5.022, 433728 to 5.103, 433728 and previous response = -1295521.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 12:55:43 PM	Drop baseline for compound 1,2-Dichlorobenzene in sample Feb1831.D to y = 3952, new integration is from x, y = 5.022, 3952 to 5.103, 3952 and new response = 811241; previous integration is from x, y = 5.022, 3952 to 5.103, 5775 and previous response = 806773.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 12:55:45 PM	Apply target integration range 5.022-5.103 to qualifier 148.0 for compound 1,2-Dichlorobenzene in sample Feb1831.D, new integration is from x, y = 5.022, 3571 to 5.103, 3755 and new response = 504554; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 12:55:46 PM	Apply target integration range 5.022-5.103 to qualifier 111.0 for compound 1,2-Dichlorobenzene in sample Feb1831.D, new integration is from x, y = 5.022, 2551 to 5.103, 2251 and new response = 308198; previously no peak.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 12:55:51 PM	Apply target integration range 5.042-5.154 to qualifier 107.0 for compound Benzyl Alcohol in sample Feb1831.D, new integration is from x, y = 5.042, 0 to 5.154, 4402 and new response = 202149; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 12:55:52 PM	Drop baseline for qualifier 107.0 of compound Benzyl Alcohol in sample Feb1831.D to y = 0, new integration is from x, y = 5.042, 0 to 5.154, 0 and new response = 216986; previous integration is from x, y = 5.042, 0 to 5.154, 4402 and previous response = 202149.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 12:56:20 PM	Apply target integration range 6.393-6.506 to qualifier 129.0 for compound p-Chloroaniline in sample Feb1831.D, new integration is from x, y = 6.393, 1247 to 6.506, 2663 and new response = 222625; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 12:56:21 PM	Drop baseline for qualifier 129.0 of compound p-Chloroaniline in sample Feb1831.D to y = 1247, new integration is from x, y = 6.393, 1247 to 6.506, 1247 and new response = 227424; previous integration is from x, y = 6.393, 1247 to 6.506, 2663 and previous response = 222625.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 12:56:26 PM	Split peak for compound 4-Chloro-3-Methylphenol in sample Feb1831.D and keep right peak, new integration is from x, y = 7.050, 719.58472045712 to 7.132, 832.794392693795 and new response = 517256, previous integration is from x, y = 6.907, 523 to 7.132, 833 and previous response = 995354.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 12:56:28 PM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1831.D and keep right peak, new integration is from x, y = 7.050, 0 to 7.122, 0 and new response = 137912, previous integration is from x, y = 6.906, 0 to 7.122, 0 and previous response = 263910.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 12:56:35 PM	Split peak for compound 4-Chloro-2-Methylphenol in sample Feb1831.D and keep left peak, new integration is from x, y = 6.909, 735.531462488821 to 7.050, 1046.1703719543 and new response = 476086, previous integration is from x, y = 6.909, 736 to 7.132, 1227 and previous response = 991402.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 12:56:38 PM	Split qualifier 144.0 of compound 4-Chloro-2-Methylphenol in sample Feb1831.D and keep left peak, new integration is from x, y = 6.906, 0 to 7.050, 0 and new response = 125998, previous integration is from x, y = 6.906, 0 to 7.122, 0 and previous response = 263910.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 12:56:50 PM	Manually integrate compound 2,6-Dinitrotoluene in sample Feb1831.D, from x, y = 8.159, 14041 to 8.220, 25475, result = 94248; previous integration is from x, y = 8.343, 0 to 8.435, 0 and previous response = 80013.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 12:56:51 PM	Snap baseline for compound 2,6-Dinitrotoluene in sample Feb1831.D, from x = 8.159 to x = 8.220, new integration is from x, y = 8.159, 289 to 8.220, 792 and new response = 165026; previous integration is from x, y = 8.159, 14041 to 8.220, 25475 and previous response = 94248.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:56:52 PM	Set UserAnnotation = CO for compound 2,6-Dinitrotoluene in sample Feb1831.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 12:56:57 PM	Apply target integration range 8.384-8.476 to qualifier 152.0 for compound Acenaphthene in sample Feb1831.D, new integration is from x, y = 8.384, 2833 to 8.476, 3406 and new response = 574535; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 12:56:58 PM	Drop baseline for qualifier 152.0 of compound Acenaphthene in sample Feb1831.D to y = 2833, new integration is from x, y = 8.384, 2833 to 8.476, 2833 and new response = 576117; previous integration is from x, y = 8.384, 2833 to 8.476, 3406 and previous response = 574535.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 12:58:13 PM	Apply target integration range 8.497-8.589 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1831.D, new integration is from x, y = 8.497, 3017 to 8.589, 2581 and new response = 58906; previous integration is from x, y = 8.384, 705 to 8.476, 756 and previous response = 1152164.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 12:58:14 PM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1831.D to y = 2581, new integration is from x, y = 8.497, 2581 to 8.589, 2581 and new response = 60110; previous integration is from x, y = 8.497, 3017 to 8.589, 2581 and previous response = 58906.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 12:58:22 PM	Apply target integration range 8.691-8.844 to qualifier 139.0 for compound 4-Nitrophenol in sample Feb1831.D, new integration is from x, y = 8.691, 1630 to 8.844, 864 and new response = 57998; previous integration is from x, y = 8.599, 397 to 8.691, 517 and previous response = 740610.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 12:58:22 PM	Drop baseline for qualifier 139.0 of compound 4-Nitrophenol in sample Feb1831.D to y = 864, new integration is from x, y = 8.691, 864 to 8.844, 864 and new response = 61524; previous integration is from x, y = 8.691, 1630 to 8.844, 864 and previous response = 57998.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 12:58:27 PM	Split qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1831.D and keep right peak, new integration is from x, y = 8.650, 1408.76762553378 to 8.691, 1375.34481167571 and new response = 114403, previous integration is from x, y = 8.599, 1451 to 8.691, 1375 and previous response = 223907.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 12:58:31 PM	Split qualifier 167.0 of compound Fluorene in sample Feb1831.D and keep left peak, new integration is from x, y = 8.977, 0 to 9.110, 0 and new response = 204392, previous integration is from x, y = 8.977, 0 to 9.295, 0 and previous response = 577750.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 12:58:48 PM	Manually integrate compound Anthracene in sample Feb1831.D, from x, y = 10.120, 1936378 to 10.313, 2037807, result = -18577781; previous integration is from x, y = 10.140, 0 to 10.221, 0 and previous response = 2204609.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 12:58:50 PM	Snap baseline for compound Anthracene in sample Feb1831.D, from x = 10.120 to x = 10.313, new integration is from x, y = 10.120, 202 to 10.313, 10643 and new response = 4302582; previous integration is from x, y = 10.120, 1936378 to 10.313, 2037807 and previous response = -18577781.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 12:58:50 PM	Drop baseline for compound Anthracene in sample Feb1831.D to y = 202, new integration is from x, y = 10.120, 202 to 10.313, 202 and new response = 4362858; previous integration is from x, y = 10.120, 202 to 10.313, 10643 and previous response = 4302582.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 12:58:51 PM	Split peak for compound Anthracene in sample Feb1831.D and keep right peak, new integration is from x, y = 10.221, 202 to 10.313, 202 and new response = 2158952, previous integration is from x, y = 10.120, 202 to 10.313, 202 and previous response = 4362858.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:58:52 PM	Set UserAnnotation = CO for compound Anthracene in sample Feb1831.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 12:58:54 PM	Apply target integration range 10.221-10.313 to qualifier 176.0 for compound Anthracene in sample Feb1831.D, new integration is from x, y = 10.221, 1475 to 10.313, 4379 and new response = 379621; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 12:58:55 PM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1831.D to y = 1475, new integration is from x, y = 10.221, 1475 to 10.313, 1475 and new response = 387562; previous integration is from x, y = 10.221, 1475 to 10.313, 4379 and previous response = 379621.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 12:59:16 PM	Split peak for compound Indeno(1,2,3-c,d)pyrene in sample Feb1831.D and keep left peak, new integration is from x, y = 20.696, 692.397163001311 to 20.786, 1121.06671605723 and new response = 1428308, previous integration is from x, y = 20.696, 692 to 20.887, 1609 and previous response = 1858242.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:59:17 PM	Set UserAnnotation = CO for compound Indeno(1,2,3-c,d)pyrene in sample Feb1831.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:59:33 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1832.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:59:34 PM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1832.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:59:36 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1832.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:59:38 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1832.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:59:39 PM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1832.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:59:41 PM	Zero out primary peak of compound Benzidine in sample Feb1832.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:59:42 PM	Set UserAnnotation = INT for compound Benzidine in sample Feb1832.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:59:52 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1833.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:59:53 PM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1833.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:59:55 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1833.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 12:59:56 PM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1833.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 12:59:58 PM	Zero out primary peak of compound Benzyl Alcohol in sample Feb1833.D			✓	
CmdClearManualIntegration	BL2000\sean	2/20/2022 1:00:01 PM	Clear manual integration of target signal for compound Benzyl Alcohol in sample Feb1833.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:00:28 PM	Zero out primary peak of compound Benzyl Alcohol in sample Feb1833.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:00:30 PM	Set UserAnnotation = INT for compound Benzyl Alcohol in sample Feb1833.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:00:40 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1833.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:00:42 PM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1833.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:00:44 PM	Zero out primary peak of compound Benzidine in sample Feb1833.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:00:45 PM	Set UserAnnotation = INT for compound Benzidine in sample Feb1833.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:00:48 PM	Zero out primary peak of compound 2-Methylphenol in sample Feb1833.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:00:49 PM	Set UserAnnotation = INT for compound 2-Methylphenol in sample Feb1833.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:00:51 PM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1833.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:00:51 PM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1833.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:00:53 PM	Zero out primary peak of compound Hexachloroethane in sample Feb1833.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:00:54 PM	Set UserAnnotation = INT for compound Hexachloroethane in sample Feb1833.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:01:12 PM	Apply target integration range 6.110-6.270 to qualifier 77.0 for compound Benzoic Acid in sample Feb1834.D, new integration is from x, y = 6.110, 3114 to 6.270, 3390 and new response = 79042; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:01:13 PM	Drop baseline for qualifier 77.0 of compound Benzoic Acid in sample Feb1834.D to y = 3114, new integration is from x, y = 6.110, 3114 to 6.270, 3114 and new response = 80364; previous integration is from x, y = 6.110, 3114 to 6.270, 3390 and previous response = 79042.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:01:20 PM	Split peak for compound Aniline in sample Feb1834.D and keep left peak, new integration is from x, y = 4.532, 888.100021294031 to 4.613, 1253.05849329114 and new response = 604908, previous integration is from x, y = 4.532, 888 to 4.715, 1714 and previous response = 1491518.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:01:23 PM	Split qualifier 66.0 of compound Aniline in sample Feb1834.D and keep left peak, new integration is from x, y = 4.532, 909.556117505883 to 4.593, 1029.7023721047 and new response = 212298, previous integration is from x, y = 4.532, 910 to 4.675, 1191 and previous response = 506924.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:01:25 PM	Split qualifier 65.0 of compound Aniline in sample Feb1834.D and keep left peak, new integration is from x, y = 4.533, 829.548885440531 to 4.593, 937.990118078332 and new response = 110494, previous integration is from x, y = 4.533, 830 to 4.664, 1068 and previous response = 488888.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:01:30 PM	Split qualifier 66.0 of compound Phenol in sample Feb1834.D and keep right peak, new integration is from x, y = 4.593, 941.218642543726 to 4.675, 1111.15695810751 and new response = 296160, previous integration is from x, y = 4.532, 814 to 4.675, 1111 and previous response = 507616.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 1:01:40 PM	Manually integrate compound 1,4-Dichlorobenzene in sample Feb1834.D, from x, y = 4.879, 343506 to 4.961, 407677, result = -875882; previous integration is from x, y = 4.787, 0 to 4.879, 0 and previous response = 952720.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 1:01:41 PM	Snap baseline for compound 1,4-Dichlorobenzene in sample Feb1834.D, from x = 4.879 to x = 4.961, new integration is from x, y = 4.879, 4037 to 4.961, 7235 and new response = 937639; previous integration is from x, y = 4.879, 343506 to 4.961, 407677 and previous response = -875882.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:01:41 PM	Drop baseline for compound 1,4-Dichlorobenzene in sample Feb1834.D to y = 4037, new integration is from x, y = 4.879, 4037 to 4.961, 4037 and new response = 945477; previous integration is from x, y = 4.879, 4037 to 4.961, 7235 and previous response = 937639.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:01:44 PM	Set UserAnnotation = CO for compound 1,4-Dichlorobenzene in sample Feb1834.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:01:46 PM	Apply target integration range 4.879-4.961 to qualifier 148.0 for compound 1,4-Dichlorobenzene in sample Feb1834.D, new integration is from x, y = 4.879, 4008 to 4.961, 4469 and new response = 595446; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:01:48 PM	Apply target integration range 4.879-4.961 to qualifier 111.0 for compound 1,4-Dichlorobenzene in sample Feb1834.D, new integration is from x, y = 4.879, 3504 to 4.961, 3183 and new response = 323134; previously no peak.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 1:01:51 PM	Manually integrate compound 1,2-Dichlorobenzene in sample Feb1834.D, from x, y = 5.012, 319441 to 5.114, 415698, result = -1288049; previous integration is from x, y = 4.790, 61 to 4.879, 92 and previous response = 952266.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 1:01:53 PM	Snap baseline for compound 1,2-Dichlorobenzene in sample Feb1834.D, from x = 5.012 to x = 5.114, new integration is from x, y = 5.012, 4261 to 5.114, 5802 and new response = 933586; previous integration is from x, y = 5.012, 319441 to 5.114, 415698 and previous response = -1288049.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 1:01:53 PM	Drop baseline for compound 1,2-Dichlorobenzene in sample Feb1834.D to y = 4261, new integration is from x, y = 5.012, 4261 to 5.114, 4261 and new response = 938307; previous integration is from x, y = 5.012, 4261 to 5.114, 5802 and previous response = 933586.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:01:55 PM	Apply target integration range 5.012-5.114 to qualifier 148.0 for compound 1,2-Dichlorobenzene in sample Feb1834.D, new integration is from x, y = 5.012, 3156 to 5.114, 3680 and new response = 614441; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:01:57 PM	Apply target integration range 5.012-5.114 to qualifier 111.0 for compound 1,2-Dichlorobenzene in sample Feb1834.D, new integration is from x, y = 5.012, 1617 to 5.114, 1961 and new response = 356617; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:02:22 PM	Apply target integration range 6.393-6.506 to qualifier 129.0 for compound p-Chloroaniline in sample Feb1834.D, new integration is from x, y = 6.393, 1437 to 6.506, 2691 and new response = 227869; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 1:02:22 PM	Drop baseline for qualifier 129.0 of compound p-Chloroaniline in sample Feb1834.D to y = 1437, new integration is from x, y = 6.393, 1437 to 6.506, 1437 and new response = 232119; previous integration is from x, y = 6.393, 1437 to 6.506, 2691 and previous response = 227869.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:02:34 PM	Split peak for compound 1-Methylnaphthalene in sample Feb1834.D and keep left peak, new integration is from x, y = 7.235, 1351.69561889336 to 7.317, 1418.1696276176 and new response = 1103897, previous integration is from x, y = 7.235, 1352 to 7.389, 1476 and previous response = 1151327.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:02:35 PM	Set UserAnnotation = CO for compound 1-Methylnaphthalene in sample Feb1834.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:02:51 PM	Apply target integration range 8.497-8.630 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1834.D, new integration is from x, y = 8.497, 2720 to 8.630, 2070 and new response = 66837; previous integration is from x, y = 8.384, 875 to 8.487, 911 and previous response = 1332095.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:02:52 PM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1834.D to y = 2070, new integration is from x, y = 8.497, 2070 to 8.630, 2070 and new response = 69430; previous integration is from x, y = 8.497, 2720 to 8.630, 2070 and previous response = 66837.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:03:00 PM	Split qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1834.D and keep right peak, new integration is from x, y = 8.650, 748.29494124922 to 8.701, 835.749708888348 and new response = 130806, previous integration is from x, y = 8.599, 661 to 8.701, 836 and previous response = 265276.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 1:04:05 PM	Manually integrate compound Anthracene in sample Feb1834.D, from x, y = 10.110, 1224703 to 10.323, 1243362, result = -10713903; previous integration is from x, y = 10.151, 464 to 10.222, 647 and previous response = 2582158.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 1:04:07 PM	Snap baseline for compound Anthracene in sample Feb1834.D, from x = 10.110 to x = 10.323, new integration is from x, y = 10.110, 0 to 10.323, 7869 and new response = 4984612; previous integration is from x, y = 10.110, 1224703 to 10.323, 1243362 and previous response = -10713903.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:04:08 PM	Drop baseline for compound Anthracene in sample Feb1834.D to y = 0, new integration is from x, y = 10.110, 0 to 10.323, 0 and new response = 5034824; previous integration is from x, y = 10.110, 0 to 10.323, 7869 and previous response = 4984612.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:04:10 PM	Split peak for compound Anthracene in sample Feb1834.D and keep right peak, new integration is from x, y = 10.222, 0 to 10.323, 0 and new response = 2449636, previous integration is from x, y = 10.110, 0 to 10.323, 0 and previous response = 5034824.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:04:11 PM	Set UserAnnotation = CO for compound Anthracene in sample Feb1834.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:04:13 PM	Apply target integration range 10.222-10.323 to qualifier 176.0 for compound Anthracene in sample Feb1834.D, new integration is from x, y = 10.222, 1936 to 10.323, 3119 and new response = 434555; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:04:14 PM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1834.D to y = 1936, new integration is from x, y = 10.222, 1936 to 10.323, 1936 and new response = 438150; previous integration is from x, y = 10.222, 1936 to 10.323, 3119 and previous response = 434555.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 1:04:40 PM	Manually integrate compound Benzidine in sample Feb1834.D, from x, y = 12.257, 0 to 12.825, 0, result = 53736; previous integration is from x, y = 12.318, 222 to 12.511, 222 and previous response = 43383.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:04:41 PM	Set UserAnnotation = BA for compound Benzidine in sample Feb1834.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:05:22 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1835.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:05:23 PM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1835.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:05:25 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1835.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:05:26 PM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1835.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:05:28 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1835.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:05:29 PM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1835.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:05:30 PM	Zero out primary peak of compound Benzidine in sample Feb1835.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:05:31 PM	Set UserAnnotation = INT for compound Benzidine in sample Feb1835.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:05:33 PM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1835.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:05:35 PM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1835.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:05:37 PM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1835.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:05:39 PM	Set UserAnnotation = INT for compound 4-Chlorophenol in sample Feb1835.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:05:47 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1836.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:05:48 PM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1836.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:05:50 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1836.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:05:50 PM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1836.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:05:52 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1836.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:05:52 PM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1836.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:05:55 PM	Zero out primary peak of compound Benzidine in sample Feb1836.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:05:55 PM	Set UserAnnotation = INT for compound Benzidine in sample Feb1836.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:06:06 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1837.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:06:07 PM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1837.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:06:09 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1837.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:06:11 PM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1837.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:06:12 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1837.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:06:14 PM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1837.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:06:15 PM	Zero out primary peak of compound Benzidine in sample Feb1837.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:06:17 PM	Set UserAnnotation = INT for compound Benzidine in sample Feb1837.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:09:46 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:09:47 PM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1838.D; previous value =			✓	
CmdClearManualIntegration	BL2000\sean	2/20/2022 1:14:52 PM	Clear manual integration of target signal for compound Benzyl Alcohol in sample Feb1833.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:14:52 PM	Set UserAnnotation = for compound Benzyl Alcohol in sample Feb1833.D; previous value = INT			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:15:01 PM	Drop baseline for qualifier 79.0 of compound Benzyl Alcohol in sample Feb1833.D to y = 934, new integration is from x, y = 5.063, 934 to 5.338, 934 and new response = 47138; previous integration is from x, y = 5.063, 934 to 5.338, 1432 and previous response = 41851.			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:15:45 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:15:47 PM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1838.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:15:49 PM	Zero out primary peak of compound 2,4-Dinitrophenol in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:15:50 PM	Set UserAnnotation = INT for compound 2,4-Dinitrophenol in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:15:52 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:15:53 PM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:15:55 PM	Zero out primary peak of compound Hexachloroethane in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:15:56 PM	Set UserAnnotation = INT for compound Hexachloroethane in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:15:58 PM	Zero out primary peak of compound 2-Methylphenol in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:00 PM	Set UserAnnotation = INT for compound 2-Methylphenol in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:03 PM	Zero out primary peak of compound Di-n-octyl Phthalate in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:05 PM	Set UserAnnotation = INT for compound Di-n-octyl Phthalate in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:07 PM	Zero out primary peak of compound 2,4,6-Trichlorophenol in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:08 PM	Set UserAnnotation = INT for compound 2,4,6-Trichlorophenol in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:11 PM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:12 PM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:14 PM	Zero out primary peak of compound Isophorone in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:16 PM	Set UserAnnotation = INT for compound Isophorone in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:18 PM	Zero out primary peak of compound 2-Nitroaniline in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:20 PM	Set UserAnnotation = INT for compound 2-Nitroaniline in sample Feb1838.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:22 PM	Zero out primary peak of compound Nitrobenzene in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:24 PM	Set UserAnnotation = INT for compound Nitrobenzene in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:26 PM	Zero out primary peak of compound Benzoic Acid in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:27 PM	Set UserAnnotation = INT for compound Benzoic Acid in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:30 PM	Zero out primary peak of compound 4-Nitrophenol in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:32 PM	Set UserAnnotation = INT for compound 4-Nitrophenol in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:38 PM	Zero out primary peak of compound Benzidine in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:39 PM	Set UserAnnotation = INT for compound Benzidine in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:41 PM	Zero out primary peak of compound 2,4-Dimethylphenol in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:42 PM	Set UserAnnotation = INT for compound 2,4-Dimethylphenol in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:43 PM	Zero out primary peak of compound 2,4-Dichlorophenol in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:45 PM	Set UserAnnotation = INT for compound 2,4-Dichlorophenol in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:46 PM	Zero out primary peak of compound 2,4-Dinitrotoluene in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:47 PM	Set UserAnnotation = INT for compound 2,4-Dinitrotoluene in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:49 PM	Zero out primary peak of compound bis(-2-Chloroethyl)Ether in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:16:50 PM	Set UserAnnotation = INT for compound bis(-2-Chloroethyl)Ether in sample Feb1838.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:16:51 PM	Zero out primary peak of compound Fluoranthene in sample Feb1838.D			✓	
CmdClearManualIntegration	BL2000\sean	2/20/2022 1:16:54 PM	Clear manual integration of target signal for compound Fluoranthene in sample Feb1838.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:16:58 PM	Apply target integration range 7.235-7.307 to qualifier 142.0 for compound 1-Methylnaphthalene in sample Feb1838.D, new integration is from x, y = 7.235, 734 to 7.307, 1887 and new response = 44187; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:16:59 PM	Drop baseline for qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb1838.D to y = 734, new integration is from x, y = 7.235, 734 to 7.307, 734 and new response = 46669; previous integration is from x, y = 7.235, 734 to 7.307, 1887 and previous response = 44187.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:17:01 PM	Split qualifier 115.0 of compound 1-Methylnaphthalene in sample Feb1838.D and keep left peak, new integration is from x, y = 7.240, 5349.3682502726 to 7.276, 5691.45389955253 and new response = 18263, previous integration is from x, y = 7.240, 5349 to 7.346, 6345 and previous response = 38648.			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:17:06 PM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1838.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:17:09 PM	Set UserAnnotation = INT for compound 4-Chlorophenol in sample Feb1838.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:17:14 PM	Apply target integration range 7.122-7.194 to qualifier 142.0 for compound 2-Methylnaphthalene in sample Feb1838.D, new integration is from x, y = 7.122, 411 to 7.194, 807 and new response = 37151; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:17:15 PM	Drop baseline for qualifier 142.0 of compound 2-Methylnaphthalene in sample Feb1838.D to y = 411, new integration is from x, y = 7.122, 411 to 7.194, 411 and new response = 38005; previous integration is from x, y = 7.122, 411 to 7.194, 807 and previous response = 37151.			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 1:17:23 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantResults\021822 DoD BNA 2.batch.bin			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:17:32 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1839.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:17:32 PM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1839.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:17:34 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1839.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:17:35 PM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1839.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:17:37 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1839.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:17:39 PM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1839.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:17:41 PM	Zero out primary peak of compound Benzidine in sample Feb1839.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:17:42 PM	Set UserAnnotation = INT for compound Benzidine in sample Feb1839.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:17:44 PM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1839.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:17:46 PM	Set UserAnnotation = INT for compound 4,6-Dinitro-2-methylphenol in sample Feb1839.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:17:47 PM	Zero out primary peak of compound bis(-2-Chloroethyl)Ether in sample Feb1839.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:17:49 PM	Set UserAnnotation = INT for compound bis(-2-Chloroethyl)Ether in sample Feb1839.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:18:01 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1840.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:18:02 PM	Set UserAnnotation = INT for compound 2,6-Dinitrotoluene in sample Feb1840.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:18:05 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1840.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:18:06 PM	Set UserAnnotation = INT for compound N-nitroso-Di-n-propylamine in sample Feb1840.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:18:08 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1840.D			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:18:09 PM	Set UserAnnotation = INT for compound Dimethyl Phthalate in sample Feb1840.D; previous value =			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:18:11 PM	Zero out primary peak of compound Benzidine in sample Feb1840.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:18:13 PM	Set UserAnnotation = INT for compound Benzidine in sample Feb1840.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:18:46 PM	Set MatrixSpikeGroup = B22020962-032A for sample Feb1840.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:18:47 PM	Set MatrixSpikeGroup = B22020962-032A for sample Feb1841.D; previous value =			✓	
CmdQuantitate	BL2000\sean	2/20/2022 1:19:52 PM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:20:13 PM	Apply target integration range 6.124-6.270 to qualifier 122.0 for compound Benzoic Acid in sample Feb1841.D, new integration is from x, y = 6.124, 4485 to 6.270, 1653 and new response = 77403; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:20:14 PM	Drop baseline for qualifier 122.0 of compound Benzoic Acid in sample Feb1841.D to y = 1653, new integration is from x, y = 6.124, 1653 to 6.270, 1653 and new response = 89421; previous integration is from x, y = 6.124, 4485 to 6.270, 1653 and previous response = 77403.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:20:57 PM	Split peak for compound Aniline in sample Feb1841.D and keep left peak, new integration is from x, y = 4.532, 694.487537926843 to 4.603, 904.331730881083 and new response = 736521, previous integration is from x, y = 4.532, 694 to 4.715, 1236 and previous response = 1657218.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:20:58 PM	Set UserAnnotation = CO for compound Aniline in sample Feb1841.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:21:00 PM	Split qualifier 66.0 of compound Aniline in sample Feb1841.D and keep left peak, new integration is from x, y = 4.534, 888.825336238779 to 4.593, 1001.96423927123 and new response = 254037, previous integration is from x, y = 4.534, 889 to 4.675, 1158 and previous response = 583737.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:21:02 PM	Split qualifier 65.0 of compound Aniline in sample Feb1841.D and keep left peak, new integration is from x, y = 4.532, 937.269256760172 to 4.593, 1080.22586138961 and new response = 137535, previous integration is from x, y = 4.532, 937 to 4.664, 1247 and previous response = 539637.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:21:06 PM	Split qualifier 66.0 of compound Phenol in sample Feb1841.D and keep right peak, new integration is from x, y = 4.593, 904.618227705694 to 4.675, 1041.82810105258 and new response = 330707, previous integration is from x, y = 4.533, 804 to 4.675, 1042 and previous response = 584540.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 1:21:13 PM	Manually integrate compound 1,4-Dichlorobenzene in sample Feb1841.D, from x, y = 4.869, 620951 to 4.971, 677530, result = -2997128; previous integration is from x, y = 4.787, 0 to 4.879, 0 and previous response = 945695.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 1:21:15 PM	Snap baseline for compound 1,4-Dichlorobenzene in sample Feb1841.D, from x = 4.869 to x = 4.971, new integration is from x, y = 4.869, 6708 to 4.971, 5828 and new response = 943007; previous integration is from x, y = 4.869, 620951 to 4.971, 677530 and previous response = -2997128.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:21:16 PM	Drop baseline for compound 1,4-Dichlorobenzene in sample Feb1841.D to y = 5828, new integration is from x, y = 4.869, 5828 to 4.971, 5828 and new response = 945704; previous integration is from x, y = 4.869, 6708 to 4.971, 5828 and previous response = 943007.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:21:17 PM	Set UserAnnotation = CO for compound 1,4-Dichlorobenzene in sample Feb1841.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:21:19 PM	Apply target integration range 4.869-4.971 to qualifier 148.0 for compound 1,4-Dichlorobenzene in sample Feb1841.D, new integration is from x, y = 4.869, 4372 to 4.971, 4820 and new response = 602915; previous integration is from x, y = 4.797, 105 to 4.879, 188 and previous response = 598593.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:21:20 PM	Apply target integration range 4.869-4.971 to qualifier 111.0 for compound 1,4-Dichlorobenzene in sample Feb1841.D, new integration is from x, y = 4.869, 2351 to 4.971, 2530 and new response = 343138; previous integration is from x, y = 4.797, 0 to 4.869, 0 and previous response = 346502.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 1:21:24 PM	Manually integrate compound 1,2-Dichlorobenzene in sample Feb1841.D, from x, y = 5.032, 459294 to 5.114, 515874, result = -1425184; previous integration is from x, y = 4.793, 112 to 4.879, 168 and previous response = 944932.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 1:21:25 PM	Snap baseline for compound 1,2-Dichlorobenzene in sample Feb1841.D, from x = 5.032 to x = 5.114, new integration is from x, y = 5.032, 3161 to 5.114, 5716 and new response = 943196; previous integration is from x, y = 5.032, 459294 to 5.114, 515874 and previous response = -1425184.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 1:21:26 PM	Drop baseline for compound 1,2-Dichlorobenzene in sample Feb1841.D to y = 3161, new integration is from x, y = 5.032, 3161 to 5.114, 3161 and new response = 949458; previous integration is from x, y = 5.032, 3161 to 5.114, 5716 and previous response = 943196.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 1:21:27 PM	Drop baseline for compound 1,2-Dichlorobenzene in sample Feb1841.D to y = 3161, new integration is from x, y = 5.032, 3161 to 5.114, 3161 and new response = 949458; previous integration is from x, y = 5.032, 3161 to 5.114, 3161 and previous response = 949458.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:21:28 PM	Apply target integration range 5.032-5.114 to qualifier 148.0 for compound 1,2-Dichlorobenzene in sample Feb1841.D, new integration is from x, y = 5.032, 1911 to 5.114, 3089 and new response = 607981; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:21:30 PM	Apply target integration range 5.032-5.114 to qualifier 111.0 for compound 1,2-Dichlorobenzene in sample Feb1841.D, new integration is from x, y = 5.032, 1463 to 5.114, 2486 and new response = 356019; previously no peak.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:21:32 PM	Set UserAnnotation = CO for compound 1,2-Dichlorobenzene in sample Feb1841.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:21:52 PM	Apply target integration range 6.393-6.475 to qualifier 128.0 for compound 4-Chlorophenol in sample Feb1841.D, new integration is from x, y = 6.393, 7793 to 6.475, 10801 and new response = 643906; previous integration is from x, y = 6.301, 644 to 6.393, 792 and previous response = 2211382.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:21:52 PM	Drop baseline for qualifier 128.0 of compound 4-Chlorophenol in sample Feb1841.D to y = 7793, new integration is from x, y = 6.393, 7793 to 6.475, 7793 and new response = 651319; previous integration is from x, y = 6.393, 7793 to 6.475, 10801 and previous response = 643906.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:21:57 PM	Apply target integration range 6.393-6.506 to qualifier 65.0 for compound p-Chloroaniline in sample Feb1841.D, new integration is from x, y = 6.393, 1522 to 6.506, 4778 and new response = 449582; previous integration is from x, y = 6.381, 1254 to 6.506, 1325 and previous response = 462222.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:21:58 PM	Apply target integration range 6.393-6.506 to qualifier 129.0 for compound p-Chloroaniline in sample Feb1841.D, new integration is from x, y = 6.393, 680 to 6.506, 2568 and new response = 257810; previous integration is from x, y = 6.290, 346 to 6.393, 380 and previous response = 242690.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:21:59 PM	Drop baseline for qualifier 129.0 of compound p-Chloroaniline in sample Feb1841.D to y = 680, new integration is from x, y = 6.393, 680 to 6.506, 680 and new response = 264208; previous integration is from x, y = 6.393, 680 to 6.506, 2568 and previous response = 257810.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:22:01 PM	Apply target integration range 6.393-6.506 to qualifier 129.0 for compound p-Chloroaniline in sample Feb1841.D, new integration is from x, y = 6.393, 680 to 6.506, 2568 and new response = 257810; previous integration is from x, y = 6.393, 680 to 6.506, 680 and previous response = 264208.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:22:06 PM	Split peak for compound 4-Chloro-3-Methylphenol in sample Feb1841.D and keep right peak, new integration is from x, y = 7.050, 968.828808984078 to 7.194, 1268.31178926932 and new response = 647611, previous integration is from x, y = 6.910, 677 to 7.194, 1268 and previous response = 1236723.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:22:07 PM	Set UserAnnotation = CO for compound 4-Chloro-3-Methylphenol in sample Feb1841.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:22:09 PM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1841.D and keep right peak, new integration is from x, y = 7.050, 239.306980095731 to 7.194, 374.70061836402 and new response = 179111, previous integration is from x, y = 6.910, 107 to 7.194, 375 and previous response = 335317.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:22:11 PM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1841.D and keep left peak, new integration is from x, y = 7.050, 239.306980095731 to 7.122, 306.995952142924 and new response = 162589, previous integration is from x, y = 7.050, 239 to 7.194, 375 and previous response = 179111.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:22:19 PM	Split peak for compound 4-Chloro-2-Methylphenol in sample Feb1841.D and keep left peak, new integration is from x, y = 6.913, 971.420805985079 to 7.050, 1618.08797138043 and new response = 585319, previous integration is from x, y = 6.913, 971 to 7.194, 2296 and previous response = 1225696.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:22:21 PM	Set UserAnnotation = CO for compound 4-Chloro-2-Methylphenol in sample Feb1841.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:22:23 PM	Split qualifier 144.0 of compound 4-Chloro-2-Methylphenol in sample Feb1841.D and keep left peak, new integration is from x, y = 6.912, 165.96052256521 to 7.050, 323.197441987966 and new response = 155639, previous integration is from x, y = 6.912, 166 to 7.194, 487 and previous response = 333904.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:22:42 PM	Apply target integration range 8.172-8.302 to qualifier 153.1 for compound Acenaphthylene in sample Feb1841.D, new integration is from x, y = 8.172, 0 to 8.302, 1239 and new response = 294724; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 1:22:44 PM	Drop baseline for qualifier 153.1 of compound Acenaphthylene in sample Feb1841.D to y = 0, new integration is from x, y = 8.172, 0 to 8.302, 0 and new response = 299584; previous integration is from x, y = 8.172, 0 to 8.302, 1239 and previous response = 294724.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:22:52 PM	Apply target integration range 8.487-8.640 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1841.D, new integration is from x, y = 8.487, 3537 to 8.640, 2457 and new response = 71871; previous integration is from x, y = 8.384, 804 to 8.487, 897 and previous response = 1355215.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 1:22:53 PM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1841.D to y = 2457, new integration is from x, y = 8.487, 2457 to 8.640, 2457 and new response = 76842; previous integration is from x, y = 8.487, 3537 to 8.640, 2457 and previous response = 71871.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:22:59 PM	Apply target integration range 8.691-8.793 to qualifier 139.0 for compound 4-Nitrophenol in sample Feb1841.D, new integration is from x, y = 8.691, 2032 to 8.793, 2233 and new response = 63002; previous integration is from x, y = 8.589, 275 to 8.691, 453 and previous response = 877789.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 1:23:00 PM	Drop baseline for qualifier 139.0 of compound 4-Nitrophenol in sample Feb1841.D to y = 2032, new integration is from x, y = 8.691, 2032 to 8.793, 2032 and new response = 63619; previous integration is from x, y = 8.691, 2032 to 8.793, 2233 and previous response = 63002.			✓	
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/20/2022 1:23:09 PM	Manually integrate qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1841.D, from x, y = 8.650, 1858 to 8.701, 1414, result = 133323; previous integration is from x, y = 8.589, 1384 to 8.742, 1216 and previous response = 289141.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 1:23:28 PM	Manually integrate compound Anthracene in sample Feb1841.D, from x, y = 10.151, 2355723 to 10.313, 2671961, result = -19316510; previous integration is from x, y = 10.151, 343 to 10.222, 508 and previous response = 2597565.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 1:23:29 PM	Snap baseline for compound Anthracene in sample Feb1841.D, from x = 10.151 to x = 10.313, new integration is from x, y = 10.151, 676 to 10.313, 11319 and new response = 5067263; previous integration is from x, y = 10.151, 2355723 to 10.313, 2671961 and previous response = -19316510.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 1:23:30 PM	Drop baseline for compound Anthracene in sample Feb1841.D to y = 676, new integration is from x, y = 10.151, 676 to 10.313, 676 and new response = 5119004; previous integration is from x, y = 10.151, 676 to 10.313, 11319 and previous response = 5067263.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:23:32 PM	Split peak for compound Anthracene in sample Feb1841.D and keep right peak, new integration is from x, y = 10.222, 676 to 10.313, 676 and new response = 2522503, previous integration is from x, y = 10.151, 676 to 10.313, 676 and previous response = 5119004.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:23:33 PM	Set UserAnnotation = CO for compound Anthracene in sample Feb1841.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:23:35 PM	Apply target integration range 10.222-10.313 to qualifier 176.0 for compound Anthracene in sample Feb1841.D, new integration is from x, y = 10.222, 1446 to 10.313, 5417 and new response = 441811; previously no peak.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 1:23:36 PM	Drop baseline for qualifier 176.0 of compound Anthracene in sample Feb1841.D to y = 1446, new integration is from x, y = 10.222, 1446 to 10.313, 1446 and new response = 452670; previous integration is from x, y = 10.222, 1446 to 10.313, 5417 and previous response = 441811.			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 1:25:48 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantResults\021822 DoD BNA 2.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:25:57 PM	Apply target integration range 4.532-4.613 to qualifier 66.0 for compound Aniline in sample Feb1842.D, new integration is from x, y = 4.532, 510 to 4.613, 164288 and new response = 71120; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:25:58 PM	Drop baseline for qualifier 66.0 of compound Aniline in sample Feb1842.D to y = 510, new integration is from x, y = 4.532, 510 to 4.613, 510 and new response = 472540; previous integration is from x, y = 4.532, 510 to 4.613, 164288 and previous response = 71120.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:26:00 PM	Split qualifier 66.0 of compound Aniline in sample Feb1842.D and keep left peak, new integration is from x, y = 4.532, 510 to 4.613, 510 and new response = 472540, previous integration is from x, y = 4.532, 510 to 4.613, 510 and previous response = 472540.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/20/2022 1:26:07 PM	Manually integrate qualifier 66.0 of compound Aniline in sample Feb1842.D, from x, y = 4.532, 510 to 4.593, 7244, result = 377031; previous integration is from x, y = 4.532, 510 to 4.613, 510 and previous response = 472540.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:26:08 PM	Drop baseline for qualifier 66.0 of compound Aniline in sample Feb1842.D to y = 510, new integration is from x, y = 4.532, 510 to 4.593, 510 and new response = 389411; previous integration is from x, y = 4.532, 510 to 4.593, 7244 and previous response = 377031.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:26:12 PM	Split qualifier 66.0 of compound Phenol in sample Feb1842.D and keep right peak, new integration is from x, y = 4.593, 921.069068242621 to 4.675, 1005.35176703712 and new response = 426296, previous integration is from x, y = 4.533, 859 to 4.675, 1005 and previous response = 813686.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:26:22 PM	Split qualifier 64.0 of compound bis(-2-Chloroethyl)Ether in sample Feb1842.D and keep right peak, new integration is from x, y = 4.583, 437.309017721181 to 4.664, 465.525437896823 and new response = 65272, previous integration is from x, y = 4.540, 422 to 4.664, 466 and previous response = 92805.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:26:30 PM	Apply target integration range 4.798-4.879 to qualifier 148.0 for compound 1,3-Dichlorobenzene in sample Feb1842.D, new integration is from x, y = 4.798, 0 to 4.879, 2501 and new response = 589789; previously no peak.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 1:26:35 PM	Manually integrate compound 1,4-Dichlorobenzene in sample Feb1842.D, from x, y = 4.869, 399116 to 4.971, 519274, result = -1842723; previous integration is from x, y = 4.797, 134 to 4.879, 246 and previous response = 916280.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\sean	2/20/2022 1:26:36 PM	Snap baseline for compound 1,4-Dichlorobenzene in sample Feb1842.D, from x = 4.869 to x = 4.971, new integration is from x, y = 4.869, 7243 to 4.971, 5230 and new response = 933008; previous integration is from x, y = 4.869, 399116 to 4.971, 519274 and previous response = -1842723.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:26:37 PM	Drop baseline for compound 1,4-Dichlorobenzene in sample Feb1842.D to y = 5230, new integration is from x, y = 4.869, 5230 to 4.971, 5230 and new response = 939175; previous integration is from x, y = 4.869, 7243 to 4.971, 5230 and previous response = 933008.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:26:39 PM	Set UserAnnotation = CO for compound 1,4-Dichlorobenzene in sample Feb1842.D; previous value =			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:26:41 PM	Apply target integration range 4.869-4.971 to qualifier 148.0 for compound 1,4-Dichlorobenzene in sample Feb1842.D, new integration is from x, y = 4.869, 3517 to 4.971, 3771 and new response = 600043; previously no peak.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:26:43 PM	Apply target integration range 4.869-4.971 to qualifier 111.0 for compound 1,4-Dichlorobenzene in sample Feb1842.D, new integration is from x, y = 4.869, 2212 to 4.971, 1963 and new response = 337132; previous integration is from x, y = 4.797, 0 to 4.869, 0 and previous response = 346921.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:26:48 PM	Split qualifier 148.0 of compound 1,2-Dichlorobenzene in sample Feb1842.D and keep right peak, new integration is from x, y = 5.042, 196.842419537903 to 5.134, 258.249636046685 and new response = 606432, previous integration is from x, y = 4.797, 33 to 5.134, 258 and previous response = 1831156.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:26:51 PM	Apply target integration range 5.042-5.134 to qualifier 111.0 for compound 1,2-Dichlorobenzene in sample Feb1842.D, new integration is from x, y = 5.042, 1067 to 5.134, 2297 and new response = 349120; previously no peak.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:26:52 PM	Drop baseline for qualifier 111.0 of compound 1,2-Dichlorobenzene in sample Feb1842.D to y = 1067, new integration is from x, y = 5.042, 1067 to 5.134, 1067 and new response = 352512; previous integration is from x, y = 5.042, 1067 to 5.134, 2297 and previous response = 349120.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:27:28 PM	Split peak for compound 4-Chloro-3-Methylphenol in sample Feb1842.D and keep right peak, new integration is from x, y = 7.050, 768.087842334623 to 7.143, 895.059055417239 and new response = 466184, previous integration is from x, y = 6.907, 571 to 7.143, 895 and previous response = 920572.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:27:30 PM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1842.D and keep right peak, new integration is from x, y = 7.050, 0 to 7.194, 0 and new response = 135153, previous integration is from x, y = 6.907, 0 to 7.194, 0 and previous response = 255172.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:27:33 PM	Split qualifier 144.0 of compound 4-Chloro-3-Methylphenol in sample Feb1842.D and keep left peak, new integration is from x, y = 7.050, 0 to 7.122, 0 and new response = 120364, previous integration is from x, y = 7.050, 0 to 7.194, 0 and previous response = 135153.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:27:34 PM	Set UserAnnotation = CO for compound 4-Chloro-3-Methylphenol in sample Feb1842.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:27:42 PM	Split peak for compound 4-Chloro-2-Methylphenol in sample Feb1842.D and keep left peak, new integration is from x, y = 6.909, 862.782511837831 to 7.050, 1285.94734706508 and new response = 451356, previous integration is from x, y = 6.909, 863 to 7.143, 1562 and previous response = 914001.			✓	
CmdSetTargetCompoundAttribute	BL2000\sean	2/20/2022 1:27:44 PM	Set UserAnnotation = CO for compound 4-Chloro-2-Methylphenol in sample Feb1842.D; previous value =			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:27:46 PM	Split qualifier 144.0 of compound 4-Chloro-2-Methylphenol in sample Feb1842.D and keep left peak, new integration is from x, y = 6.907, 0 to 7.050, 0 and new response = 120019, previous integration is from x, y = 6.907, 0 to 7.194, 0 and previous response = 255172.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:28:00 PM	Apply target integration range 8.149-8.272 to qualifier 153.1 for compound Acenaphthylene in sample Feb1842.D, new integration is from x, y = 8.149, 0 to 8.272, 1772 and new response = 229173; previous integration is from x, y = 8.374, 0 to 8.487, 0 and previous response = 1081584.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:28:01 PM	Drop baseline for qualifier 153.1 of compound Acenaphthylene in sample Feb1842.D to y = 0, new integration is from x, y = 8.149, 0 to 8.272, 0 and new response = 235699; previous integration is from x, y = 8.149, 0 to 8.272, 1772 and previous response = 229173.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:28:07 PM	Apply target integration range 8.384-8.476 to qualifier 152.0 for compound Acenaphthene in sample Feb1842.D, new integration is from x, y = 8.384, 2041 to 8.476, 2329 and new response = 515532; previous integration is from x, y = 8.169, 268 to 8.272, 389 and previous response = 1676023.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:28:08 PM	Drop baseline for qualifier 152.0 of compound Acenaphthene in sample Feb1842.D to y = 2041, new integration is from x, y = 8.384, 2041 to 8.476, 2041 and new response = 516327; previous integration is from x, y = 8.384, 2041 to 8.476, 2329 and previous response = 515532.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:28:13 PM	Apply target integration range 8.487-8.568 to qualifier 154.0 for compound 2,4-Dinitrophenol in sample Feb1842.D, new integration is from x, y = 8.487, 3317 to 8.568, 2114 and new response = 42853; previous integration is from x, y = 8.384, 620 to 8.476, 634 and previous response = 1003249.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:28:14 PM	Drop baseline for qualifier 154.0 of compound 2,4-Dinitrophenol in sample Feb1842.D to y = 2114, new integration is from x, y = 8.487, 2114 to 8.568, 2114 and new response = 45806; previous integration is from x, y = 8.487, 3317 to 8.568, 2114 and previous response = 42853.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:28:20 PM	Apply target integration range 8.681-8.834 to qualifier 139.0 for compound 4-Nitrophenol in sample Feb1842.D, new integration is from x, y = 8.681, 2162 to 8.834, 1594 and new response = 122931; previous integration is from x, y = 8.599, 319 to 8.691, 468 and previous response = 643352.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:28:21 PM	Drop baseline for qualifier 139.0 of compound 4-Nitrophenol in sample Feb1842.D to y = 1594, new integration is from x, y = 8.681, 1594 to 8.834, 1594 and new response = 125546; previous integration is from x, y = 8.681, 2162 to 8.834, 1594 and previous response = 122931.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:28:27 PM	Split qualifier 63.0 of compound 2,4-Dinitrotoluene in sample Feb1842.D and keep left peak, new integration is from x, y = 8.640, 1492.4623186026 to 8.691, 1445.48431453094 and new response = 96967, previous integration is from x, y = 8.640, 1492 to 8.742, 1399 and previous response = 139114.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:28:31 PM	Apply target integration range 9.008-9.111 to qualifier 167.0 for compound Fluorene in sample Feb1842.D, new integration is from x, y = 9.008, 398 to 9.111, 398 and new response = 189620; previous integration is from x, y = 9.182, 725 to 9.305, 930 and previous response = 303953.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:28:32 PM	Drop baseline for qualifier 167.0 of compound Fluorene in sample Feb1842.D to y = 398, new integration is from x, y = 9.008, 398 to 9.111, 398 and new response = 189620; previous integration is from x, y = 9.008, 398 to 9.111, 398 and previous response = 189620.			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 1:30:40 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantResults\021822 DoD BNA 2.batch.bin			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:31:02 PM	Zero out primary peak of compound Benzyl Alcohol in sample Feb1843.D			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:31:11 PM	Apply target integration range 6.116-6.331 to qualifier 0 for compound 22 in sample 17.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/20/2022 1:31:13 PM	Manually integrate qualifier122.0 of compound Benzoic Acid in sample Feb1843.D from x, y = 6.352, 277944 to 6.362, 298747; result = 0			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:31:14 PM	Apply target integration range 6.116-6.331 to qualifier 0 for compound 22 in sample 17.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:31:16 PM	Apply target integration range 6.116-6.331 to qualifier 0 for compound 22 in sample 17.			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/20/2022 1:31:22 PM	Manually integrate qualifier122.0 of compound Benzoic Acid in sample Feb1843.D from x, y = 6.208, 2882 to 6.342, 3640; result = 324914			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:31:24 PM	Drop baseline for qualifier 122.0 of compound Benzoic Acid in sample Feb1843.D to y = 2882, new integration is from x, y = 6.208, 2882 to 6.342, 2882 and new response = 327951; previous integration is from x, y = 6.208, 2882 to 6.342, 3640 and previous response = 324914.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:31:32 PM	Split qualifier 92.0 of compound 2-Fluorophenol in sample Feb1843.D and keep right peak, new integration is from x, y = 3.612, 695.600516031181 to 3.714, 755.800633504026 and new response = 165474, previous integration is from x, y = 3.541, 654 to 3.714, 756 and previous response = 242791.			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:31:45 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1843.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:31:54 PM	Split peak for compound 1-Methylnaphthalene in sample Feb1843.D and keep right peak, new integration is from x, y = 7.235, 646.22948582612 to 7.317, 656.346416458365 and new response = 107200, previous integration is from x, y = 7.085, 628 to 7.317, 656 and previous response = 258461.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:31:55 PM	Split qualifier 142.0 of compound 1-Methylnaphthalene in sample Feb1843.D and keep right peak, new integration is from x, y = 7.225, 466.908033543589 to 7.327, 498.202772350181 and new response = 126728, previous integration is from x, y = 7.119, 435 to 7.327, 498 and previous response = 298721.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:32:00 PM	Split peak for compound 2-Methylnaphthalene in sample Feb1843.D and keep left peak, new integration is from x, y = 7.086, 689.332043156473 to 7.235, 710.88197391652 and new response = 150731, previous integration is from x, y = 7.086, 689 to 7.317, 723 and previous response = 257593.			✓	
CmdManuallyIntegrateSplit	BL2000\sean	2/20/2022 1:32:01 PM	Split qualifier 142.0 of compound 2-Methylnaphthalene in sample Feb1843.D and keep left peak, new integration is from x, y = 7.121, 472.547183327937 to 7.225, 531.79346720755 and new response = 171677, previous integration is from x, y = 7.121, 473 to 7.327, 590 and previous response = 297883.			✓	
CmdManuallyIntegrateApplyTargetRtToQualifier	BL2000\sean	2/20/2022 1:32:02 PM	Apply target integration range 7.086-7.235 to qualifier 115.0 for compound 2-Methylnaphthalene in sample Feb1843.D, new integration is from x, y = 7.086, 3783 to 7.235, 3463 and new response = 44742; previous integration is from x, y = 7.216, 1283 to 7.327, 1408 and previous response = 56319.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:32:03 PM	Drop baseline for qualifier 115.0 of compound 2-Methylnaphthalene in sample Feb1843.D to y = 3463, new integration is from x, y = 7.086, 3463 to 7.235, 3463 and new response = 46267; previous integration is from x, y = 7.086, 3783 to 7.235, 3463 and previous response = 44742.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrate QualifierPeak	BL2000\sean	2/20/2022 1:32:10 PM	Manually integrate qualifier 115.0 of compound 2-Methylnaphthalene in sample Feb1843.D, from x, y = 7.112, 926 to 7.214, 1159, result = 62115; previous integration is from x, y = 7.086, 3463 to 7.235, 3463 and previous response = 46267.			✓	
CmdManuallyIntegrate DropBaseline	BL2000\sean	2/20/2022 1:32:12 PM	Drop baseline for qualifier 115.0 of compound 2-Methylnaphthalene in sample Feb1843.D to y = 926, new integration is from x, y = 7.112, 926 to 7.214, 926 and new response = 62833; previous integration is from x, y = 7.112, 926 to 7.214, 1159 and previous response = 62115.			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:14 PM	Zero out primary peak of compound 4-Chloro-2-Methylphenol in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:16 PM	Zero out primary peak of compound 4-Chloro-3-Methylphenol in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:18 PM	Zero out primary peak of compound 2,4-Dinitrotoluene in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:19 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:22 PM	Zero out primary peak of compound Benzidine in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:24 PM	Zero out primary peak of compound Triallate in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:27 PM	Zero out primary peak of compound N-Nitrosodimethylamine in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:28 PM	Zero out primary peak of compound Nitrobenzene in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:29 PM	Zero out primary peak of compound 2,4-Dinitrophenol in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:30 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:31 PM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:32 PM	Zero out primary peak of compound p-Chloroaniline in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:34 PM	Zero out primary peak of compound p-Chloroaniline in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:35 PM	Zero out primary peak of compound bis(-2-Chloroethoxy)Methane in sample Feb1843.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:36 PM	Zero out primary peak of compound Hexachloroethane in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:38 PM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1843.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:46 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1844.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:47 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1844.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:49 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1844.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:52 PM	Zero out primary peak of compound Benzyl Alcohol in sample Feb1844.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:53 PM	Zero out primary peak of compound Phenol in sample Feb1844.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:55 PM	Zero out primary peak of compound Benzidine in sample Feb1844.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:57 PM	Zero out primary peak of compound 2-Methylphenol in sample Feb1844.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:58 PM	Zero out primary peak of compound bis(2-ethylhexyl)Phthalate in sample Feb1844.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:32:59 PM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1844.D			✓	
CmdClearManualIntegration	BL2000\sean	2/20/2022 1:33:02 PM	Clear manual integration of target signal for compound bis(2-ethylhexyl)Phthalate in sample Feb1844.D			✓	
CmdManuallyIntegrateQualifierPeak	BL2000\sean	2/20/2022 1:33:05 PM	Manually integrate qualifier279.0 of compound bis(2-ethylhexyl)Phthalate in sample Feb1844.D from x, y = 16.329, 0 to 16.370, 21; result = 563			✓	
CmdManuallyIntegrateDropBaseline	BL2000\sean	2/20/2022 1:33:08 PM	Drop baseline for qualifier 279.0 of compound bis(2-ethylhexyl)Phthalate in sample Feb1844.D to y = 0, new integration is from x, y = 16.329, 0 to 16.370, 0 and new response = 590; previous integration is from x, y = 16.329, 0 to 16.370, 21 and previous response = 563.			✓	
CmdManuallyIntegratePeak	BL2000\sean	2/20/2022 1:33:08 PM	Manually integrate compound bis(2-ethylhexyl)Phthalate in sample Feb1844.D, from x, y = 16.616, 2643 to 16.646, 2696, result = -4912; previous integration is from x, y = 16.319, 0 to 16.391, 0 and previous response = 5655.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:19 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1845.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:20 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1845.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:21 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1845.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:22 PM	Zero out primary peak of compound Benzidine in sample Feb1845.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:23 PM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1845.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:32 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1846.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:34 PM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1846.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:36 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1846.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:39 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1846.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:45 PM	Zero out primary peak of compound Benzoic Acid in sample Feb1846.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:47 PM	Zero out primary peak of compound Benzidine in sample Feb1846.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:48 PM	Zero out primary peak of compound Hexachloroethane in sample Feb1846.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:49 PM	Zero out primary peak of compound 4-Chlorophenol in sample Feb1846.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:33:57 PM	Zero out primary peak of compound Hexachloroethane in sample Feb1847.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:01 PM	Zero out primary peak of compound 2,6-Dinitrotoluene in sample Feb1847.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:03 PM	Zero out primary peak of compound 4-Nitrophenol in sample Feb1847.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:04 PM	Zero out primary peak of compound N-nitroso-Di-n-propylamine in sample Feb1847.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:06 PM	Zero out primary peak of compound bis(2-chloroisopropyl)Ether in sample Feb1847.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:07 PM	Zero out primary peak of compound Dimethyl Phthalate in sample Feb1847.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:09 PM	Zero out primary peak of compound bis(-2-Chloroethyl)Ether in sample Feb1847.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:11 PM	Zero out primary peak of compound Benzidine in sample Feb1847.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:13 PM	Zero out primary peak of compound 2-Nitroaniline in sample Feb1847.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:15 PM	Zero out primary peak of compound 2,4-Dinitrophenol in sample Feb1847.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:16 PM	Zero out primary peak of compound 4,6-Dinitro-2-methylphenol in sample Feb1847.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:17 PM	Zero out primary peak of compound 2,4-Dinitrotoluene in sample Feb1847.D			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:19 PM	Zero out primary peak of compound 4-Chloro-3-Methylphenol in sample Feb1847.D			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 1:34:24 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantResults\021822 DoD BNA 2.batch.bin			✓	
CmdZeroOutPeak	BL2000\sean	2/20/2022 1:34:39 PM	Zero out primary peak of compound bis(-2-Chloroethyl)Ether in sample Feb1843.D			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 1:34:49 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantResults\021822 DoD BNA 2.batch.bin			✓	
CmdSaveBatchTable	BL2000\sean	2/20/2022 1:37:34 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantResults\021822 DoD BNA 2.batch.bin			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:42 PM	Set SampleApproved = True for sample Feb1826.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:43 PM	Set SampleApproved = True for sample Feb1827.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:44 PM	Set SampleApproved = True for sample Feb1828.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:45 PM	Set SampleApproved = True for sample Feb1829.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:47 PM	Set SampleApproved = True for sample Feb1830.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:48 PM	Set SampleApproved = True for sample Feb1831.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:49 PM	Set SampleApproved = True for sample Feb1832.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:49 PM	Set SampleApproved = True for sample Feb1833.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:50 PM	Set SampleApproved = True for sample Feb1834.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:51 PM	Set SampleApproved = True for sample Feb1835.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:53 PM	Set SampleApproved = True for sample Feb1836.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:54 PM	Set SampleApproved = True for sample Feb1837.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:54 PM	Set SampleApproved = True for sample Feb1838.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:55 PM	Set SampleApproved = True for sample Feb1839.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:56 PM	Set SampleApproved = True for sample Feb1840.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:58 PM	Set SampleApproved = True for sample Feb1841.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:37:59 PM	Set SampleApproved = True for sample Feb1842.D; previous value = False			✓	
CmdQuantitate	BL2000\sean	2/20/2022 1:39:18 PM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:40:07 PM	Set Comment = SVOC-8270-W-LARGO for sample Feb1840.D; previous value = Feb1840.D			✓	
CmdSetSampleAttribute	BL2000\sean	2/20/2022 1:40:08 PM	Set Comment = SVOC-8270-W-LARGO for sample Feb1841.D; previous value = Feb1840.D			✓	
CmdQuantitate	BL2000\sean	2/20/2022 1:41:22 PM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSaveBatchTable	BL2000\sean	2/20/2022 1:42:14 PM	Save batch \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantResults\021822 DoD BNA 2.batch.bin			✓	
GenerateReport	BL2000\sean	2/20/2022 1:44:16 PM	Generates report - Method: \\MASSHUNTER\Org\reports\LevelIV_Reports\Tests_for_LevelIV\CC_mid_rpt.m, Output Path: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantReports\021822 DoD BNA 2			✓	
GenerateReport	BL2000\sean	2/20/2022 1:56:33 PM	Generates report - Method: \\MASSHUNTER\Org\reports\LevelIV_Reports\Tests_for_LevelIV\CC_mid_rpt.m, Output Path: \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantReports\021822 DoD BNA 2-1			✓	

Continuing Calibration Report

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Batch Name \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantResults\021822 DoD BNA 2.batch.bin
Method File \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\021822 DoD BNA cal.batch.bin
Daily CC \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2Feb1827.D

Level name	Injection Time	Calibration Files
1	2/19/2022 11:48:03 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D
2	2/19/2022 11:15:42 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D
3	2/19/2022 10:43:35 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D
4	2/19/2022 9:57:53 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D
5	2/19/2022 9:25:44 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D
6	2/19/2022 8:53:27 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D
7	2/19/2022 8:21:26 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D
CCV	2/19/2022 9:50:34 PM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1827.D <======

ISTD Compound:	Avg Resp	Mid Resp	CC Resp	Area%	A/M
1,4-Dichlorobenzene-d4	349222	362851	445643	122.82	M
Naphthalene-d8	1013729	1062572	1270730	119.59	M
Acenaphthene-d10	558272	582178	700827	120.38	M
Phenanthrene-d10	990554	1023524	1277551	124.82	M
Chrysene-d12	720048	738511	973686	131.84	M
Perylene-d12	459625	469307	635564	135.43	M

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
1,4-Dichlorobenzene-d4	----------ISTD----------						
N-Nitrosodimethylamine	0.9982	0.3467	75.00	88.85	-18.46	245.80	Quadratic
Pyridine	0.9984	0.7709	75.00	79.94	-6.58	204.23	Quadratic
2-Fluorophenol	0.9992	0.9950	75.00	79.11	-5.48	200.37	Quadratic
Aniline	0.9988	1.7452	75.00	75.90	-1.20	190.10	Quadratic
Phenol-d5	0.9995	1.2517	75.00	77.49	-3.32	193.44	Quadratic
Phenol	0.9987	1.3910	75.00	77.29	-3.06	196.83	Quadratic
bis(-2-Chloroethyl)Ether	0.9996	0.9735	75.00	80.12	-6.83	202.21	Quadratic
2-Chlorophenol	0.9991	1.1184	75.00	77.94	-3.92	197.90	Quadratic
1,3-Dichlorobenzene	0.9991	1.4572	75.00	79.60	-6.13	198.59	Quadratic
1,4-Dichlorobenzene	0.9990	1.4306	75.00	77.59	-3.46	192.23	Quadratic
1,2-Dichlorobenzene	0.9998	1.3686	75.00	76.47	-1.95	186.96	Quadratic
Benzyl Alcohol	0.9973	0.5614	75.00	77.50	-3.34	220.12	Quadratic
bis(2-chloroisopropyl)Ether	0.9984	0.3738	75.00	77.38	-3.17	194.42	Quadratic
2-Methylphenol	0.9983	0.9570	75.00	76.59	-2.12	192.14	Quadratic
N-nitroso-Di-n-propylamine	0.9994	0.7609	75.00	87.57	-16.76	215.18	Quadratic
4Methylphenol/3Methylphenol	0.9990	1.3880	75.00	81.75	-9.01	205.61	Quadratic
Hexachloroethane	0.9987	0.4257	75.00	77.36	-3.15	201.04	Quadratic
Nitrobenzene-d5	0.9990	0.7159	75.00	79.39	-5.86	206.55	Quadratic
Nitrobenzene	0.9943	0.3846	75.00	84.98	-13.31	209.62	Quadratic
Naphthalene-d8	----------ISTD----------						
Isophorone	0.9986	0.5996	75.00	81.27	-8.36	207.21	Quadratic
2-Nitrophenol	0.9966	0.1392	75.00	83.44	-11.25	227.40	Quadratic
2,4-Dimethylphenol	0.9946	0.2558	75.00	74.34	0.88	196.01	Quadratic
bis(-2-Chloroethoxy)Methane	0.9977	0.3216	75.00	74.98	0.03	180.77	Quadratic
2,4-Dichlorophenol	0.9975	0.2592	75.00	78.96	-5.28	204.03	Quadratic
Benzoic Acid	0.9948	0.1638	75.00	89.42	-19.22	258.58	Quadratic
1,2,4-Trichlorobenzene	0.9993	0.3138	75.00	80.00	-6.67	195.87	Quadratic
Naphthalene	0.9979	0.9610	75.00	82.56	-10.08	206.23	Quadratic
4-Chlorophenol	0.9994	0.0993	75.00	80.69	-7.59	202.49	Quadratic
p-Chloroaniline	0.9987	0.3690	75.00	80.92	-7.89	193.98	Quadratic
Hexachlorobutadiene	0.9987	0.1699	75.00	83.09	-10.79	215.27	Quadratic
4-Chloro-2-Methylphenol	0.9965	0.2443	75.00	80.37	-7.16	212.43	Quadratic

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
4-Chloro-3-Methylphenol	0.2382	0.2547	75.00	80.21	-6.95	194.59	Avg RF
2-Methylnaphthalene	0.9998	0.5184	75.00	78.21	-4.28	184.17	Quadratic
1-Methylnaphthalene	0.9993	0.4995	75.00	77.28	-3.04	177.05	Quadratic
Acenaphthene-d10	----------ISTD----------						
Hexachlorocyclopentadiene	0.9982	0.1888	75.00	83.71	-11.61	219.57	Quadratic
2,4,6-Trichlorophenol	0.9939	0.3348	75.00	85.07	-13.42	236.15	Quadratic
2,4,5-Trichlorophenol	0.9986	0.3507	75.00	79.89	-6.52	206.36	Quadratic
2-Fluorobiphenyl	0.9986	1.2675	75.00	79.63	-6.18	198.17	Quadratic
2-Chloronaphthalene	1.0024	1.0492	75.00	78.50	-4.67	189.77	Avg RF
2-Nitroaniline	0.9911	0.2002	75.00	83.71	-11.62	216.50	Quadratic
Dimethyl Phthalate	0.9976	1.1148	75.00	82.72	-10.29	222.47	Quadratic
2,6-Dinitrotoluene	0.9930	0.1378	75.00	74.72	0.37	195.37	Quadratic
Acenaphthylene	0.9997	1.6218	75.00	75.87	-1.16	178.25	Quadratic
3-Nitroaniline	0.9942	0.1647	75.00	78.57	-4.75	217.85	Quadratic
Acenaphthene	0.9995	0.9071	75.00	73.59	1.88	171.60	Quadratic
2,4-Dinitrophenol	0.9987	0.0767	75.00	81.79	-9.06	230.00	Quadratic
Dibenzofuran	0.9969	1.5455	75.00	76.56	-2.08	196.24	Quadratic
2,4-Dinitrotoluene	0.9989	0.1858	75.00	80.45	-7.27	210.66	Quadratic
4-Nitrophenol	0.9972	0.1946	75.00	84.95	-13.27	235.22	Quadratic
Diethylphthalate	0.9968	1.0974	75.00	78.75	-4.99	215.17	Quadratic
Fluorene	0.9988	1.1857	75.00	73.43	2.10	174.75	Quadratic
4-Chlorophenyl-phenylether	0.9957	0.6062	75.00	83.47	-11.29	221.36	Quadratic
Phenanthrene-d10	----------ISTD----------						
4-Nitroaniline	0.9926	0.1096	75.00	86.07	-14.76	253.85	Quadratic
4,6-Dinitro-2-methylphenol	0.9985	0.0653	75.00	84.03	-12.05	229.98	Quadratic
N-nitrosodiphenylamine	0.9998	0.4686	75.00	78.84	-5.12	199.19	Quadratic
Azobenzene	0.9991	0.5999	75.00	76.59	-2.12	189.67	Quadratic
2,4,6-Tribromophenol	0.9995	0.0613	75.00	83.86	-11.81	235.45	Quadratic
4-Bromophenyl-phenylether	0.9969	0.1812	75.00	80.57	-7.43	201.75	Quadratic
Hexachlorobenzene	0.9959	0.1896	75.00	82.84	-10.45	218.31	Quadratic
Pentachlorophenol	0.9986	0.0914	75.00	84.95	-13.26	238.71	Quadratic
Phenanthrene	0.9974	0.9799	75.00	79.18	-5.58	202.02	Quadratic
Anthracene	0.8750	0.9744	75.00	83.53	-11.37	213.63	Avg RF
Triallate	0.9997	0.2274	75.00	81.53	-8.71	213.21	Quadratic
Carbazole	1.0000	0.9043	75.00	76.44	-1.92	192.72	Quadratic
o-Terphenyl	0.9973	0.5344	75.00	81.47	-8.62	210.01	Quadratic
Di-n-Butylphthalate	0.9987	0.9690	75.00	85.70	-14.26	239.11	Quadratic
Fluoranthene	0.9997	0.9774	75.00	78.89	-5.19	199.15	Quadratic
Benzidine	0.9992	0.3739	75.00	86.66	-15.54	208.24	Quadratic
Pyrene	0.9996	1.0458	75.00	77.35	-3.13	191.52	Quadratic
Terphenyl-d14	0.6821	0.7137	75.00	78.47	-4.62	200.85	Avg RF
Chrysene-d12	----------ISTD----------						
Butylbenzylphthalate	0.9985	0.4303	75.00	82.35	-9.79	257.46	Quadratic
Benzo(a)Anthracene	1.0282	1.0715	75.00	78.16	-4.22	207.15	Avg RF
Chrysene	0.9996	1.1486	75.00	74.67	0.44	199.68	Quadratic
3,3-Dichlorobenzidine	0.9980	0.3963	75.00	81.28	-8.38	241.32	Quadratic
bis(2-ethylhexyl)Phthalate	0.9986	0.1531	75.00	84.50	-12.66	267.31	Quadratic
Perylene-d12	----------ISTD----------						
Di-n-octyl Phthalate	0.9982	1.6196	75.00	83.38	-11.17	273.02	Quadratic
Benzo(b)fluoranthene	0.9994	1.5202	75.00	71.54	4.61	199.46	Quadratic
Benzo(k)fluoranthene	0.9991	1.7093	75.00	76.73	-2.31	213.02	Quadratic
Benzo(a)pyrene	0.9994	1.4901	75.00	74.29	0.95	203.37	Quadratic
Indeno(1,2,3-c,d)pyrene	0.9983	1.2846	75.00	76.33	-1.77	215.04	Quadratic
Dibenzo(a,h)anthracene	0.9990	1.3557	75.00	74.00	1.34	210.52	Quadratic
Benzo(g,h,i)perylene	0.9993	1.4514	75.00	74.80	0.27	210.20	Quadratic

A -- against Average; M -- against Mid Point; P -- against Previous CC in the Method;

Continuing Calibration Report

Agilent | Trusted Answers

Batch Name \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\QuantResults\021822 DoD BNA 2.batch.bin
Method File \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\021822 DoD BNA cal.batch.bin
Daily CC \\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2Feb1842.D

Level name	Injection Time	Calibration Files
1	2/19/2022 11:48:03 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1808.D
2	2/19/2022 11:15:42 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1807.D
3	2/19/2022 10:43:35 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1806.D
4	2/19/2022 9:57:53 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1805.D
5	2/19/2022 9:25:44 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1804.D
6	2/19/2022 8:53:27 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1803.D
7	2/19/2022 8:21:26 AM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA cal 1\Feb1802.D
CCV	2/19/2022 9:50:34 PM	\\MASSHUNTER\Org\Data\SV5973N.I\sd021822\DoD BNA 2\Feb1827.D <======

ISTD Compound:	Avg Resp	Mid Resp	CC Resp	Area%	A/M
1,4-Dichlorobenzene-d4	349222	362851	339737	93.63	M
Naphthalene-d8	1013729	1062572	994326	93.58	M
Acenaphthene-d10	558272	582178	556401	95.57	M
Phenanthrene-d10	990554	1023524	988038	96.53	M
Chrysene-d12	720048	738511	727437	98.50	M
Perylene-d12	459625	469307	458643	97.73	M

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
1,4-Dichlorobenzene-d4	----------ISTD----------						
N-Nitrosodimethylamine	0.9982	0.2836	75.00	74.54	0.61	153.27	Quadratic
Pyridine	0.9984	0.7248	75.00	75.43	-0.57	146.39	Quadratic
2-Fluorophenol	0.9992	0.9929	75.00	78.95	-5.26	152.42	Quadratic
Aniline	0.9988	1.7401	75.00	75.67	-0.89	144.49	Quadratic
Phenol-d5	0.9995	1.3052	75.00	80.84	-7.78	153.77	Quadratic
Phenol	0.9987	1.4558	75.00	80.86	-7.82	157.04	Quadratic
bis(-2-Chloroethyl)Ether	0.9996	0.9573	75.00	78.77	-5.02	151.59	Quadratic
2-Chlorophenol	0.9991	1.1474	75.00	80.04	-6.72	154.78	Quadratic
1,3-Dichlorobenzene	0.9991	1.4355	75.00	78.30	-4.40	149.14	Quadratic
1,4-Dichlorobenzene	0.9990	1.4744	75.00	80.28	-7.04	151.02	Quadratic
1,2-Dichlorobenzene	0.9998	1.4860	75.00	83.65	-11.53	154.76	Quadratic
Benzyl Alcohol	0.9973	0.5975	75.00	81.72	-8.96	178.58	Quadratic
bis(2-chloroisopropyl)Ether	0.9984	0.3870	75.00	80.26	-7.01	153.45	Quadratic
2-Methylphenol	0.9983	0.9570	75.00	76.58	-2.11	146.47	Quadratic
N-nitroso-Di-n-propylamine	0.9994	0.6816	75.00	79.12	-5.49	146.95	Quadratic
4Methylphenol/3Methylphenol	0.9990	1.3834	75.00	81.47	-8.63	156.23	Quadratic
Hexachloroethane	0.9987	0.4270	75.00	77.61	-3.48	153.75	Quadratic
Nitrobenzene-d5	0.9990	0.7116	75.00	78.93	-5.24	156.52	Quadratic
Nitrobenzene	0.9943	0.3322	75.00	72.80	2.93	138.03	Quadratic
Naphthalene-d8	----------ISTD----------						
Isophorone	0.9986	0.6095	75.00	82.58	-10.11	164.82	Quadratic
2-Nitrophenol	0.9966	0.1255	75.00	76.37	-1.82	160.42	Quadratic
2,4-Dimethylphenol	0.9946	0.2423	75.00	70.24	6.35	145.26	Quadratic
bis(-2-Chloroethoxy)Methane	0.9977	0.3287	75.00	76.56	-2.07	144.58	Quadratic
2,4-Dichlorophenol	0.9975	0.2654	75.00	80.81	-7.75	163.48	Quadratic
Benzoic Acid	0.9948	0.1555	75.00	85.80	-14.40	192.10	Quadratic
1,2,4-Trichlorobenzene	0.9993	0.3249	75.00	83.07	-10.77	158.70	Quadratic
Naphthalene	0.9979	0.9290	75.00	79.50	-6.00	156.01	Quadratic
4-Chlorophenol	0.9994	0.1027	75.00	83.37	-11.15	163.76	Quadratic
p-Chloroaniline	0.9987	0.3795	75.00	83.35	-11.14	156.12	Quadratic
Hexachlorobutadiene	0.9987	0.1620	75.00	79.29	-5.72	160.60	Quadratic
4-Chloro-2-Methylphenol	0.9965	0.2421	75.00	79.61	-6.15	164.72	Quadratic

Target Compound	AvgRF/R2	CC RF	Exp. Conc	Calc. Conc	%Dev	Area%	Curve Fit
4-Chloro-3-Methylphenol	0.2382	0.2501	75.00	78.74	-4.99	149.47	Avg RF
2-Methylnaphthalene	0.9998	0.4985	75.00	75.27	-0.36	138.57	Quadratic
1-Methylnaphthalene	0.9993	0.4935	75.00	76.36	-1.81	136.89	Quadratic
Acenaphthene-d10	----------ISTD----------						
Hexachlorocyclopentadiene	0.9982	0.1748	75.00	77.86	-3.82	161.42	Quadratic
2,4,6-Trichlorophenol	0.9939	0.3018	75.00	76.98	-2.64	168.96	Quadratic
2,4,5-Trichlorophenol	0.9986	0.3418	75.00	77.93	-3.90	159.69	Quadratic
2-Fluorobiphenyl	0.9986	1.1594	75.00	72.86	2.86	143.90	Quadratic
2-Chloronaphthalene	1.0024	1.1174	75.00	83.60	-11.47	160.47	Avg RF
2-Nitroaniline	0.9911	0.1682	75.00	70.85	5.53	144.44	Quadratic
Dimethyl Phthalate	0.9976	1.0751	75.00	79.99	-6.66	170.34	Quadratic
2,6-Dinitrotoluene	0.9930	0.1460	75.00	79.09	-5.45	164.40	Quadratic
Acenaphthylene	0.9997	1.6087	75.00	75.25	-0.34	140.37	Quadratic
3-Nitroaniline	0.9942	0.1602	75.00	76.59	-2.11	168.23	Quadratic
Acenaphthene	0.9995	0.9623	75.00	78.37	-4.49	144.52	Quadratic
2,4-Dinitrophenol	0.9987	0.0669	75.00	73.38	2.15	159.33	Quadratic
Dibenzofuran	0.9969	1.6328	75.00	81.37	-8.49	164.59	Quadratic
2,4-Dinitrotoluene	0.9989	0.1950	75.00	83.92	-11.90	175.58	Quadratic
4-Nitrophenol	0.9972	0.1791	75.00	78.82	-5.10	171.91	Quadratic
Diethylphthalate	0.9968	1.1731	75.00	83.71	-11.61	182.60	Quadratic
Fluorene	0.9988	1.3244	75.00	82.40	-9.87	154.96	Quadratic
4-Chlorophenyl-phenylether	0.9957	0.5370	75.00	74.26	0.99	155.69	Quadratic
Phenanthrene-d10	----------ISTD----------						
4-Nitroaniline	0.9926	0.0986	75.00	78.15	-4.20	176.65	Quadratic
4,6-Dinitro-2-methylphenol	0.9985	0.0569	75.00	75.00	-0.01	154.98	Quadratic
N-nitrosodiphenylamine	0.9998	0.4819	75.00	81.04	-8.05	158.42	Quadratic
Azobenzene	0.9991	0.6405	75.00	81.28	-8.37	156.62	Quadratic
2,4,6-Tribromophenol	0.9995	0.0575	75.00	79.52	-6.03	170.81	Quadratic
4-Bromophenyl-phenylether	0.9969	0.1657	75.00	74.36	0.86	142.66	Quadratic
Hexachlorobenzene	0.9959	0.1769	75.00	77.26	-3.02	157.54	Quadratic
Pentachlorophenol	0.9986	0.0935	75.00	86.48	-15.30	188.72	Quadratic
Phenanthrene	0.9974	0.9684	75.00	78.19	-4.25	154.40	Quadratic
Anthracene	0.8750	0.9238	75.00	79.19	-5.59	156.64	Avg RF
Triallate	0.9997	0.2440	75.00	86.73	-15.64	176.96	Quadratic
Carbazole	1.0000	0.9519	75.00	80.42	-7.23	156.90	Quadratic
o-Terphenyl	0.9973	0.5133	75.00	78.18	-4.24	156.01	Quadratic
Di-n-Butylphthalate	0.9987	0.9183	75.00	81.89	-9.19	175.25	Quadratic
Fluoranthene	0.9997	0.9933	75.00	80.18	-6.90	156.54	Quadratic
Benzidine	0.9992	0.2481	75.00	55.31	26.25	106.85	Quadratic
Pyrene	0.9996	1.0699	75.00	79.15	-5.53	151.53	Quadratic
Terphenyl-d14	0.6821	0.6998	75.00	76.94	-2.58	152.31	Avg RF
Chrysene-d12	----------ISTD----------						
Butylbenzylphthalate	0.9985	0.4242	75.00	81.42	-8.56	189.62	Quadratic
Benzo(a)Anthracene	1.0282	1.0931	75.00	79.74	-6.32	157.89	Avg RF
Chrysene	0.9996	1.1887	75.00	77.37	-3.16	154.39	Quadratic
3,3-Dichlorobenzidine	0.9980	0.3776	75.00	77.93	-3.91	171.81	Quadratic
bis(2-ethylhexyl)Phthalate	0.9986	0.1469	75.00	81.85	-9.13	191.72	Quadratic
Perylene-d12	----------ISTD----------						
Di-n-octyl Phthalate	0.9982	1.6224	75.00	83.50	-11.33	197.36	Quadratic
Benzo(b)fluoranthene	0.9994	1.7013	75.00	80.44	-7.26	161.09	Quadratic
Benzo(k)fluoranthene	0.9991	1.7627	75.00	79.15	-5.54	158.53	Quadratic
Benzo(a)pyrene	0.9994	1.5721	75.00	78.41	-4.55	154.84	Quadratic
Indeno(1,2,3-c,d)pyrene	0.9983	1.3180	75.00	78.34	-4.46	159.21	Quadratic
Dibenzo(a,h)anthracene	0.9990	1.4729	75.00	80.41	-7.22	165.05	Quadratic
Benzo(g,h,i)perylene	0.9993	1.5325	75.00	79.03	-5.37	160.16	Quadratic

A -- against Average; M -- against Mid Point; P -- against Previous CC in the Method;

Prep Batch 163724 Standards Traceability Report

Spike ID: sv83514
Spike Name: Additionals
Prep Date: 9/22/2021
Exp Date: 10/1/2022
Department: GCMSPR
Vendor: AccuStandard
Lot Number: 22002155-02
Balance ID:
Comments: 12x1mL ampules

Type: Primary
Prep By: Ryan F. Benge
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Custom Semi-Volatile Standard	14279	1	mL	10/1/2022

Stock Source	Base Units	Amount Added

Prep Batch 163724 Standards Traceability Report

Spike ID: sv83604
Spike Name: BN Surr
Prep Date: 10/25/2021
Exp Date: 7/31/2027
Department: GCMSPR
Vendor: Restek
Lot Number: A0175748
Balance ID:
Comments: 6 ampules

Type: Primary
Prep By: Ryan F. Benge
Status: New
Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
B/N Surrogate Mix (4/89 SOW)	14431	5	mL	7/31/2027

Stock Source	Base Units	Amount Added

Prep Batch 163724 Standards Traceability Report

Spike ID: sv83608
Spike Name: 625 LCS
Prep Date: 11/29/2021
Exp Date: 9/15/2026
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 20x1 mL ampule

Type: Secondary
Prep By: Ryan F. Benge
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
CLP Semi-volatile calibration standard	14546		mL	9/15/2026

Stock Source	Base Units	Amount Added

Prep Batch 163724 Standards Traceability Report

Spike ID: sv83609
Spike Name: AE Surrogate
Prep Date: 11/29/2021
Exp Date: 3/6/2023
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 5x1 mL ampule

Type: Secondary
Prep By: Ryan F. Benge
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acid Surrogate	14527		mL	3/6/2023

Stock Source	Base Units	Amount Added

Prep Batch 163724 Standards Traceability Report

Spike ID: sv92706
Spike Name: BNA Surr
Prep Date: 12/22/2021
Exp Date: 3/31/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 2000/1000ug/mL

Type: Tertiary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ963	13755	17.5	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv83609	ug/mL	2.5 mL
sv83604	ug/mL	5 mL

Prep Batch 163724 Standards Traceability Report

Spike ID: sv92717
Spike Name: LL BNA Surr
Prep Date: 1/14/2022
Exp Date: 3/31/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 100/50 ug/mL

Type: Tertiary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 4 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ963	13755	3.8	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv92706	ug/mL	0.2 mL

Prep Batch 163724 Standards Traceability Report

Spike ID: sv92807
Spike Name: AE Surrogate
Prep Date: 2/3/2022
Exp Date: 3/6/2023
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 5x1 mL ampule

Type: Secondary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acid Surrogate	14587		mL	3/6/2023

Stock Source	Base Units	Amount Added

Prep Batch 163724 Standards Traceability Report

Spike ID: sv92809
Spike Name: LCS/Add Extractions
Prep Date: 2/7/2022
Exp Date: 7/22/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 100ug/mL. Spike 1mL into water.

Type: Secondary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	21.25	mL	7/22/2022

Stock Source	Base Units	Amount Added
sv83514	ug/mL	1.25 mL
sv83608	ug/mL	2.5 mL

Prep Batch 163724 Standards Traceability Report

Spike ID: sv92811
Spike Name: BNA Surr
Prep Date: 2/7/2022
Exp Date: 7/22/2022
Department: GCMSPR
Vendor:
Lot Number:
Balance ID:
Comments: 2000/1000ug/mL

Type: Tertiary
Prep By: Zachary B. Zaccardi
Status: New
Final Volume: 25 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acetone DZ509	13553	17.5	mL	7/22/2022

Stock Source	Base Units	Amount Added
sv92807	ug/mL	2.5 mL
sv83604	ug/mL	5 mL

4MR

ID #: 13553
Opened:
Acetone DZ509
Expires: 7/22/2022
Rec'd: 2/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Honeywell
CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
lab.honeywell.com

Brand:	Research Chemicals - B&J
Product:	010
Lot No.:	DZ509
Production Date:	22-Jul-2020
Best Before:	22-Jul-2022

Acetone, B&J Brand™, >99.9%

for HPLC, GC, pesticide residue analysis and spectrophotometry

Parameter	Specification Min.	Max.	Result	Units
Water by Karl Fischer Titration		0.50	0.24	%
UV Cutoff		330	328	nm
Refractive Index (20°C)	1.3583	1.3589	1.3587	
Residue		1	<0.5	mg/L
GC Analysis (excluding water)	99.9		99.98	%
Electron Capture GC		10	<10	ng/L
UV Absorbance @ 340 nm		0.060	0.0511	AU
UV Absorbance @ 350 nm		0.010	0.0007	AU
UV Absorbance @ 375 nm		0.005	<0.0001	AU
UV Absorbance @ 400 nm		0.005	0.0004	AU

Honeywell
Quality Control Approval
Janna Dickinson

Muskegon 7/22/2020 LIMS Sample No.: AL02344

ID #: 13755
Opened:
Acetone DZ963
Expires: 9/24/2022
Rec'd: 4/13/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Honeywell

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1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
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Brand:	Research Chemicals - B&J
Product:	010
Lot No.:	DZ963
Production Date:	24-Sep-2020
Best Before:	24-Sep-2022

Acetone, B&J Brand™, >99.9%
for HPLC, GC, pesticide residue analysis and spectrophotometry

Parameter	Specification Min.	Max.	Result	Units
Water by Karl Fischer Titration		0.50	0.45	%
UV Cutoff		330	328	nm
Refractive Index (20°C)	1.3583	1.3589	1.3585	
Residue		1	<0.5	mg/L
GC Analysis (excluding water)	99.9		99.98	%
Electron Capture GC		10	<10	ng/L
UV Absorbance @ 340 nm		0.060	0.0482	AU
UV Absorbance @ 350 nm		0.010	0.0047	AU
UV Absorbance @ 375 nm		0.005	<0.0001	AU
UV Absorbance @ 400 nm		0.005	<0.0001	AU

Honeywell
Quality Control Approval
Janna Dickinson

Muskegon 9/24/2020 LIMS Sample No.: AL03008

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-14500-R2
Description: Custom Semi-Volatile Standard
Lot: 220021255-02
Solvent: Dichloromethane
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Aug 31, 2021
Expiration: Oct 1, 2022
Sample Size: 1 mL
Components: 10
Storage Condition: Freeze (<-10 °C)/Sonicate

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Pyridine	110-86-1	98.7	2026	2000
4-Chlorophenol	106-48-9	100.0	2019	2019
1-Methylnaphthalene	90-12-0	98.5	2003	1973
N-Nitrosodiphenylamine	86-30-6	100.0	2022	2022
4-Chloro-2-methylphenol	1570-64-5	97.0	2069*	2007
Benzoic acid	65-85-0	99.5	2010	2000
Aniline	62-53-3	98.0	2002	1962
Benzyl alcohol	100-51-6	99.9	2011	2009
Triallate	2303-17-5	99.9	2013	2011
o-Terphenyl	84-15-1	99.9	2019	2017

ID #: 14279
Opened:
Custom Semi-Volatile Standard
Expires: 10/1/2022
Rec'd: 9/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

This Certified Reference Material was verified in accordance with ISO/IEC 17025

* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

 See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0175748

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : July 31, 2027 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

ID #: 14431
Opened:
B/N Surrogate Mix (4/89 SOW)
Expires: 7/31/2027
Rec'd: 10/25/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99%	(Lot PR-29940A)	5,027.3 µg/mL	+/- 29.2293 µg/mL +/- 226.4341 µg/mL +/- 251.2566 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99%	(Lot 00019169)	5,001.1 µg/mL	+/- 29.0767 µg/mL +/- 225.2518 µg/mL +/- 249.9447 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 **Purity** 99%	(Lot PR-30504)	5,001.4 µg/mL	+/- 29.0787 µg/mL +/- 225.2668 µg/mL +/- 249.9613 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

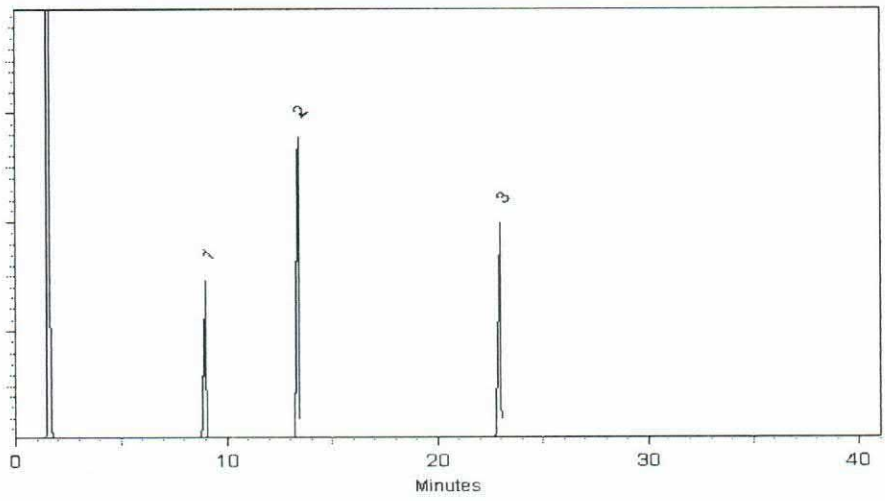
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 25-Aug-2021 **Balance:** B345965662

Marline Cowan - Operations Tech I

Date Passed: 27-Aug-2021

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

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CERTIFICATE OF ANALYSIS

Catalog No: CLP-AS-10X
Description: Acid Surrogate
Lot: 220031065
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Mar 6, 2020
Expiration: Mar 6, 2023
Sample Size: 1 mL
Components: 3
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (mg/mL)	Certified Analyte Concentration[1] (mg/mL)
2-Fluorophenol	367-12-4	99.8	20.20	20.16
Phenol-d5	4165-62-2	99.9	20.05	20.03
2,4,6-Tribromophenol	118-79-6	99.9	20.19	20.17

ID #: 14527
Opened:
Acid Surrogate
Expires: 3/6/2023
Rec'd: 11/17/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

CERTIFIED WEIGHT REPORT

Part Number: 92180
Lot Number: 091521
Description: CLP Semi-Volatile Calibration Standard
64 components
Expiration Date: 091526
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 6UTB

Solvent: Methylene chloride **Lot#** 104929

Formulated By: Prashant Chauhan 091521 DATE

Reviewed By: Pedro L. Rentas 091521 DATE

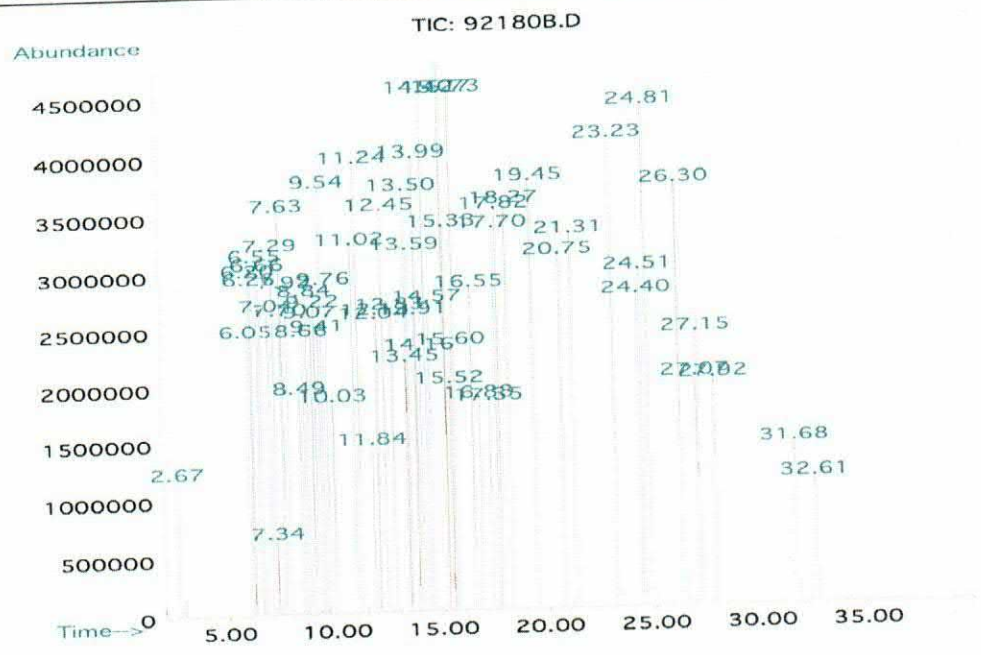
Weight(s) shown below were combined and diluted to (mL): 100.0 | 5E-05 Balance Uncertainty | 0.003 Flask Uncertainty

Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc (ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2,2'-Oxybis(1-chloropropane)	(0078)	012016AR	NA	NA	NA	1000	98.9	0.2	NA	0.10112	0.10129	1001.7	4.2	108-60-1	N/A	orl-rat 240mg/kg
2. Hexachlorobenzene	(0195)	051697	NA	NA	NA	1000	99	0.2	NA	0.10102	0.10128	1002.6	4.2	118-74-1	N/A	orl-rat 10g/kg
3. bis(2-Chloroethoxy) methane	10111	011214	0.05	5.00	20018.4	1000	NA	NA	0.017	NA	NA	1000.8	8.0	111-91-1	N/A	N/A
4. bis(2-Chloroethyl) ether	10111	011214	0.05	5.00	20012.4	1000	NA	NA	0.017	NA	NA	1000.5	8.0	111-44-4	15 ppm (90mg/m3/8H)(skin)	orl-rat 75mg/kg
5. bis(2-Ethylhexyl) phthalate	10111	011214	0.05	5.00	20014.3	1000	NA	NA	0.017	NA	NA	1000.6	8.0	117-81-7	5mg/m3/8H	orl-rat 30600mg/kg
6. 4-Bromophenyl phenyl ether	10111	011214	0.05	5.00	20008.8	1000	NA	NA	0.017	NA	NA	1000.3	8.0	101-55-3	N/A	N/A
7. Benzyl butyl phthalate	10111	011214	0.05	5.00	20011.3	1000	NA	NA	0.017	NA	NA	1000.5	8.0	85-68-7	N/A	orl-rat 2330mg/kg
8. 4-Chlorophenyl phenyl ether	10111	011214	0.05	5.00	20009.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	7005-72-3	N/A	N/A
9. Diethyl phthalate	10111	011214	0.05	5.00	20013.6	1000	NA	NA	0.017	NA	NA	1000.6	8.0	84-66-2	5mg/m3/8H	orl-rat 8600mg/kg
10. Dimethyl phthalate	10111	011214	0.05	5.00	20015.7	1000	NA	NA	0.017	NA	NA	1000.7	8.0	131-11-3	5mg/m3/8H	orl-rat 6800mg/kg
11. Di-n-butyl phthalate	10111	011214	0.05	5.00	20011.6	1000	NA	NA	0.017	NA	NA	1000.5	8.0	84-74-2	5mg/m3/8H	orl-rat 8000mg/kg
12. Di-n-octyl phthalate	10111	011214	0.05	5.00	20012.2	1000	NA	NA	0.017	NA	NA	1000.5	8.0	117-84-0	N/A	orl-rat 47000mg/kg
13. N-Nitrosodimethylamine	10111	011214	0.05	5.00	20010.0	1000	NA	NA	0.017	NA	NA	1000.4	8.0	62-75-9	N/A	orl-rat 58mg/kg
14. N-Nitrosodi-n-propylamine	10111	011214	0.05	5.00	20010.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	621-64-7	N/A	orl-rat 480mg/kg
15. 1,2-Diphenylhydrazine (as Azobenzene)	10112	042820	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.1	103-33-3	N/A	orl-rat 1000mg/kg
16. 2-Chloronaphthalene	10112	042820	0.05	5.00	20002.3	1000	NA	NA	0.017	NA	NA	1000.0	8.0	91-58-7	N/A	orl-rat 2078mg/kg
17. 1,2-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
18. 1,3-Dichlorobenzene	10112	042820	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	541-73-1	N/A	ipr-mus 1062mg/kg
19. 1,4-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
20. 2,4-Dinitrotoluene	10112	042820	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	121-14-2	1.5mg/m3/8H (skin)	orl-rat 268mg/kg
21. 2,6-Dinitrotoluene	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	606-20-2	1.5mg/m3/8H (skin)	orl-rat 177mg/kg
22. Hexachloro-1,3-butadiene	10112	042820	0.05	5.00	20009.4	1000	NA	NA	0.017	NA	NA	1000.4	12.4	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
23. Hexachlorocyclopentadiene	10112	042820	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	77-47-4	0.01 ppm (0.1mg/m3/8H)	orl-rat 1300mg/kg
24. Hexachloroethane	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
25. Isophorone	10112	042820	0.05	5.00	20003.8	1000	NA	NA	0.017	NA	NA	1000.1	8.1	78-59-1	25 ppm	orl-rat 2330mg/kg
26. Nitrobenzene	10112	042820	0.05	5.00	20004.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
27. 1,2,4-Trichlorobenzene	10112	042820	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
28. o-Cresol (2-Methylphenol)	10114	081919	0.05	5.00	20010.2	1000	NA	NA	0.017	NA	NA	1000.4	8.0	95-48-7	5 ppm (22mg/m3/8H)(skin)	orl-rat 121mg/kg
29. p-Cresol (4-Methylphenol)	10114	081919	0.05	5.00	20061.2	1000	NA	NA	0.017	NA	NA	1003.0	8.0	106-44-5	5 ppm (22mg/m3/8H)(skin)	orl-rat 207mg/kg
30. 2,4,5-Trichlorophenol	10114	081919	0.05	5.00	20023.2	1000	NA	NA	0.017	NA	NA	1001.1	8.0	95-95-4	N/A	orl-rat 820mg/kg
31. 4-Chloroaniline	10115	060512	0.05	5.00	20009.6	1000	NA	NA	0.017	NA	NA	1000.4	8.0	106-47-8	N/A	orl-rat 310mg/kg
32. Dibenzofuran	10115	060512	0.05	5.00	20020.2	1000	NA	NA	0.017	NA	NA	1000.9	8.0	132-64-9	N/A	N/A
33. 2-Methylnaphthalene	10115	060512	0.05	5.00	20012.9	1000	NA	NA	0.017	NA	NA	1000.5	8.1	91-57-6	N/A	orl-rat 1630mg/kg
34. 2-Nitroaniline	10115	060512	0.05	5.00	20011.8	1000	NA	NA	0.017	NA	NA	1000.5	8.0	88-74-4	N/A	orl-rat 1600mg/kg
35. 3-Nitroaniline	10115	060512	0.05	5.00	20018.6	1000	NA	NA	0.017	NA	NA	1000.8	8.0	99-09-2	N/A	orl-rat 535mg/kg
36. 4-Nitroaniline	10115	060512	0.05	5.00	20014.9	1000	NA	NA	0.017	NA	NA	1000.6	8.0	100-01-6	1 ppm (6mg/m3/8H)(skin)	orl-rat 750mg/kg
37. 4-Chloro-3-methylphenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	59-50-7	N/A	orl-rat 1830mg/kg
38. 2-Chlorophenol	10118	072120	0.05	5.00	20002.9	1000	NA	NA	0.017	NA	NA	1000.0	8.0	95-57-8	N/A	orl-rat 670mg/kg
39. 2,4-Dichlorophenol	10118	072120	0.05	5.00	20003.1	1000	NA	NA	0.017	NA	NA	1000.1	8.0	120-83-2	N/A	orl-rat 580mg/kg
40. 2,4-Dimethylphenol	10118	072120	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	105-67-9	N/A	orl-rat 3200mg/kg
41. 2,4-Dinitrophenol	10118	072120	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	51-28-5	N/A	orl-rat 30mg/kg
42. 4,6-Dinitro-2-methylphenol	10118	072120	0.05	5.00	20002.5	1000	NA	NA	0.017	NA	NA	1000.0	8.0	534-52-1	N/A	N/A
43. 2-Nitrophenol	10118	072120	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-75-5	N/A	orl-rat 334mg/kg
44. 4-Nitrophenol	10118	072120	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	100-02-7	N/A	orl-rat 250mg/kg
45. Pentachlorophenol	10118	072120	0.05	5.00	20002.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg
46. Phenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	108-95-2	5 ppm (19mg/m3/8H)(skin)	orl-rat 317mg/kg
47. 2,4,6-Trichlorophenol	10118	072120	0.05	5.00	20004.2	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-06-2	N/A	orl-rat 820mg/kg
48. Acenaphthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	83-32-9	N/A	ipr-rat 600mg/kg
49. Acenaphthylene	10007	042420	0.50	50.00	2000.2	1000	NA	NA	0.018	NA	NA	1000.0	4.2	208-96-8	N/A	N/A
50. Anthracene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.1	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
51. Benzo(a)anthracene	10007	042420	0.50	50.00	2001.3	1000	NA	NA	0.018	NA	NA	1000.6	4.2	56-55-3	N/A	N/A
52. Benzo(a)pyrene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
53. Benzo(b)fluoranthene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	205-99-2	N/A	N/A
54. Benzo(k)fluoranthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	207-08-9	N/A	N/A
55. Benzo(g,h,i)perylene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	191-24-2	N/A	N/A
56. Carbazole	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.0	4.2	86-74-8	N/A	ipr-mus 200mg/kg
57. Chrysene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	218-01-9	0.2mg/m3	N/A
58. Dibenzo(a,h)anthracene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	53-70-3	0.2mg/m3	N/A
59. Fluoranthene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.2	206-44-0	N/A	orl-rat 2000mg/kg
60. Fluorene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.3	4.2	86-73-7	N/A	ipr-mus 2 g/kg
61. Indeno(1,2,3-cd)pyrene	10007	042420	0.50	50.00	2000.1	1000	NA	NA	0.018	NA	NA	1000.0	4.1	193-39-5	N/A	N/A
62. Naphthalene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
63. Phenanthrene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
64. Pyrene	10007	042420	0.50	50.00	2001.0	1000	NA	NA	0.018	NA	NA	1000.4	4.2	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

ID #: 14546
Opened:
CLP Semi-volatile calibration standard
Expires: 9/15/2026
Rec'd: 11/23/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Method GC8MSD-2.M: Column:SBB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14 min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 290°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Melissa Stonier.



Peak No	Name	MSD RT (min.)
1	N-nitrosodimethylamine	2.67
2	Phenol	6.05
3	bis(2-Chloroethyl)ether	6.20
4	2-Chlorophenol	6.26
5	1,3-Dichlorobenzene	6.55
6	1,4-Dichlorobenzene	6.63
7	1,2-Dichlorobenzene	7.04
8	n-Cresol (2-methylphenol)	7.29
9	bis(2-Chloroisopropyl)ether	7.34
10	p-Cresol (4-methylphenol)/N-nitrosodi-n-propylamine	7.63
11	Hexachloroethane	7.70
12	Nitrobenzene	7.92
13	Isophorone	8.49
14	2-Nitrophenol	8.66
15	2,4-Dimethylphenol	8.84
16	bis(2-Chloroethoxy)methane	9.07
17	2,4-Dichlorophenol	9.22
18	1,2,4-Trichlorobenzene	9.41
19	Naphthalene	9.54
20	4-Chloroaniline	9.76
21	Hexachloro-1,3-Butadiene	10.03
22	4-Chloro-3-methylphenol	11.02
23	2-Methylnaphthalene	11.24
24	Hexachlorocyclopentadiene	11.84
25	2,4,6-Trichlorophenol	12.04
26	2,4,5-Trichlorophenol	12.13
27	2-Chloronaphthalene	12.45
28	2-Nitroaniline	12.84
29	Dimethyl phthalate	13.45
30	Acenaphthylene	13.50
31	2,6-Dinitrotoluene	13.59
32	3-Nitroaniline	13.91
33	Acenaphthene	13.99
34	2,4-Dinitrophenol	14.16
35	Dibenzofuran/4-Nitrophenol	14.40
36	2,4-Dinitrotoluene	14.57
37	Diethyl phthalate/Fluorene	15.22
38	4-Chlorophenyl phenyl ether	15.33
39	4-Nitroaniline	15.52
40	4,6-Dinitro-2-methylphenol	15.60
41	Azobenzene	15.73
42	4-Bromophenyl phenyl ether	16.56
43	Hexachlorobenzene	16.89
44	Pentachlorophenol	13.35
45	Phenanthrene	17.70
46	Anthracene	17.82
47	Carbazole	18.27
48	Di-n-butyl phthalate	19.45
49	Fluoranthene	20.75
50	Pyrene	21.31
51	Benzyl butyl phthalate	23.23
52	Benzo(a)anthracene	24.40
53	Chrysene	24.51
54	bis(2-Ehtylhexyl)phthalate	24.82
55	Di-n-octyl phthalate	26.30
56	Benzo(b)fluoranthene	27.07
57	Benzo(k)fluoranthene	27.15
58	Benzo(a)pyrene	27.92
59	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	31.68
60	Benzo(g,h,i)perylene	32.61

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv100507
Spike Name: BNA mix
Prep Date: 6/9/2021
Exp Date: 3/31/2022
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments: 200 ug/mL

Type: Secondary
Prep By: Sean McGrew
Status: New
Final Volume: 1.5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	0.51	mL	3/31/2022

Stock Source	Base Units	Amount Added
sv82908	ug/mL	0.03 mL
sv83301	ug/mL	0.15 mL
sv83406	ug/mL	0.15 mL
sv83419	ug/mL	0.15 mL
sv82913	ug/mL	0.15 mL
sv83410	ug/mL	0.15 mL
sv83407	ug/mL	0.06 mL
sv83201	ug/mL	0.15 mL

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv100516
Spike Name: BNA Internals 2000 ug/mL
Prep Date: 7/25/2021
Exp Date: 6/30/2023
Department: GCMSSEMI
Vendor: Chemservice
Lot Number: 8443500
Balance ID:
Comments:

Type: Secondary
Prep By: John P. Heine
Status: New
Final Volume: 2.12 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	1.06	mL	6/30/2023

Stock Source	Base Units	Amount Added
sv83506	ug/mL	1.06 mL

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv100610
Spike Name: QC2/TEL
Prep Date: 8/3/2021
Exp Date: 8/3/2022
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments:

Type: Secondary
Prep By: Sean McGrew
Status: New
Final Volume: 1.5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	1.2	mL	8/3/2022

Stock Source	Base Units	Amount Added
sv83015	ug/mL	0.15 mL
sv83509	ug/mL	0.15 mL

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv100714
Spike Name: BNA 2nd source
Prep Date: 12/20/2021
Exp Date: 10/1/2022
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments: 200 ug/mL

Type: Secondary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane EA342	13510	0.54	mL	10/1/2022

Stock Source	Base Units	Amount Added
sv83514	ug/mL	0.1 mL
sv82702	ug/mL	0.02 mL
sv83218	ug/mL	0.1 mL
sv83408	ug/mL	0.2 mL
sv83411	ug/mL	0.04 mL

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Standard ID: sv82702
Standard Name: AE Surr
Prep Date: 8/28/2018
Exp Date: 4/30/2023
Department: GCMSPR
Vendor: Restek
Lot Number: A0137474
Balance ID:
Comments:

Type: Primary
Prep By: Craig A. Bardelli
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Acid Surrogate Standard Mix (4/89)	10707	1	mL	4/30/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv82908
Spike Name: AE surr
Prep Date: 4/10/2019
Exp Date: 3/31/2022
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC2239
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
EPA 8270 Acids Surrogate Spike Mix HC	11383		mL	3/31/2022

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv82913
Spike Name: BNA Custom for cal
Prep Date: 5/2/2019
Exp Date: 5/28/2023
Department: GCMSSEMI
Vendor: AccuStandard
Lot Number: 219041483
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Custom BNA Mix	11451		mL	5/28/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv83015
Spike Name: TEL
Prep Date: 9/27/2019
Exp Date: 5/8/2023
Department: GCMSSEMI
Vendor: Absolute Standards
Lot Number: 050818
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Tetraethyllead	11760		mL	5/8/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv83201
Spike Name: Phenols mix
Prep Date: 3/17/2020
Exp Date: 1/31/2028
Department: GCMSSEMI
Vendor: Restek
Lot Number: A0157111
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
604 Phenols Calibration Mix	12512		mL	1/31/2028

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: SV83202
Spike Name: BNA 2nd source short
Prep Date: 3/24/2020
Exp Date: 3/16/2023
Department: GCMSSEMI
Vendor: Absolute Standards
Lot Number: 031620
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
BNA 2nd Source Standard Rev 1	12532		mL	3/16/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv83218
Spike Name: Benzidines
Prep Date: 7/7/2020
Exp Date: 5/1/2024
Department: GCMSSEMI
Vendor: AccuStandard
Lot Number: 220041353
Balance ID:
Comments: 2000 ug/mL 12839

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Benzidine & 3,3'-Dichlorobenzidine	12839	1	mL	5/1/2024

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv83301
Spike Name: PAH Mix
Prep Date: 7/13/2020
Exp Date: 9/30/2022
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC3877
Balance ID:
Comments: 4 x 1mlL

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 6 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL PAH Mix	12846	6	mL	9/30/2022

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv83406
Spike Name: BN mix 2000ug/mL
Prep Date: 1/20/2021
Exp Date: 1/31/2023
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC4915
Balance ID:
Comments:

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
TCL Base-Neutrals Mix	13494	1	mL	1/31/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Standard ID: sv83407
Standard Name: BN Surr 5000 ug/mL
Prep Date: 12/14/2020
Exp Date: 10/31/2026
Department: GCMSSEMI
Vendor: Restek
Lot Number: A0166081
Balance ID:
Comments:

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
B/N Surrogate Mix (4/89 SOW)	13328	1	mL	10/31/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv83408
Spike Name: 625 LCS Spk
Prep Date: 2/9/2021
Exp Date: 2/2/2026
Department: GCMSPR
Vendor: Absolute Standards
Lot Number: 050120
Balance ID:
Comments: 12x1mL ampules

Type: Primary
Prep By: Ryan F. Benge
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
CLP Semi-Volatiel Calibration Standard	13539	1	mL	2/2/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv83410
Spike Name: H.S. Mix
Prep Date: 4/7/2021
Exp Date: 2/28/2024
Department: GCMSSEMI
Vendor: Sigma-Aldrich
Lot Number: LRAC9004
Balance ID:
Comments: 2000 ug/mL

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
EPA TCL Hazardous Substances Mix (12 cmpds)	13691		mL	2/28/2024

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv83411
Spike Name: BN surr
Prep Date: 4/7/2021
Exp Date: 11/20/2026
Department: GCMSSEMI
Vendor: Restek
Lot Number: A6167670
Balance ID:
Comments: 5000 ug/mL

Type: Primary
Prep By: Sean McGrew
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
B/N Surrogate Mix (4/89 SOW)	13666		mL	11/20/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv83419
Spike Name: Benzidines CAL 2000ug/mL
Prep Date: 5/18/2021
Exp Date: 4/30/2023
Department: GCMSSEMI
Vendor: Agilent
Lot Number: 0006592783
Balance ID:
Comments: 2000 ug/mL

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Benzidines Standard	13854	1	mL	4/30/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Standard ID: sv83506
Standard Name: BNA Internals 4000 ug/mL
Prep Date: 6/18/2021
Exp Date: 6/30/2023
Department: GCMSSEMI
Vendor: Chemservice
Lot Number: 8443500
Balance ID:
Comments:

Type: Secondary
Prep By: John P. Heine
Status: New
Final Volume: 8 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Mixture #8-Internal Standards	13968	8	mL	6/30/2023

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv83509
Spike Name: QC2 2nd source
Prep Date: 7/12/2021
Exp Date: 5/7/2026
Department: GCMSSEMI
Vendor: Absolute Standards
Lot Number: 050721
Balance ID:
Comments:

Type: Primary
Prep By: John P. Heine
Status: New
Final Volume: mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Semi-Volatile Mix	13964	6	mL	5/7/2026

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv83514
Spike Name: Additionals
Prep Date: 9/22/2021
Exp Date: 10/1/2022
Department: GCMSPR
Vendor: AccuStandard
Lot Number: 22002155-02
Balance ID:
Comments: 12x1mL ampules

Type: Primary
Prep By: Ryan F. Benge
Status: Open
Final Volume: 1 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Custom Semi-Volatile Standard	14279	1	mL	10/1/2022

Stock Source	Base Units	Amount Added

Analytical RunID SV5973N.I_220218B Standards Traceability Report

Spike ID: sv90820
Spike Name: BNA 2nd source short (new)
Prep Date: 3/24/2020
Exp Date: 3/16/2023
Department: GCMSSEMI
Vendor:
Lot Number:
Balance ID:
Comments: 200 ug/mL

Type: Secondary
Prep By: Sean McGrew
Status: New
Final Volume: 1.5 mL

Chemical/Solvent Used	Bottle No	Amt	Units	Expires
Dichloromethane DX975	12485	1.35	mL	3/16/2023

Stock Source	Base Units	Amount Added
sv83202	ug/mL	0.15 mL

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3224.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3223.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31063 **Lot No.:** A0137474

Description : Acid Surrogate Standard Mix (4/89)

Acid Surrogate Standard Mix (4/89) 10,000 µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2023 **Storage:** 10°C or colder

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95 % C.L., K=2)		
1	2-Fluorophenol		10,046.4 µg/mL	+/- 58.8239	µg/mL	Gravimetric
	CAS # 367-12-4	(Lot STBD7945V)		+/- 293.2702	µg/mL	Unstressed
	Purity 99%			+/- 355.8400	µg/mL	Stressed
2	Phenol-d6		10,023.6 µg/mL	+/- 58.6904	µg/mL	Gravimetric
	CAS # 13127-88-3	(Lot PR-27801)		+/- 292.6047	µg/mL	Unstressed
	Purity 99%			+/- 355.0324	µg/mL	Stressed
3	2,4,6-Tribromophenol		10,057.2 µg/mL	+/- 58.8871	µg/mL	Gravimetric
	CAS # 118-79-6	(Lot 29699MJV)		+/- 293.5855	µg/mL	Unstressed
	Purity 99%			+/- 356.2225	µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

ID #: 10707
Opened:
Acid Surrogate Standard Mix (4/89)
Expires: 4/30/2023
Rec'd: 8/24/2018
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

Certificate of Analysis

EPA 8270 ACIDS SURROGATE SPIKE MIX HC,1X1ML,10MG/ML,METHANOL

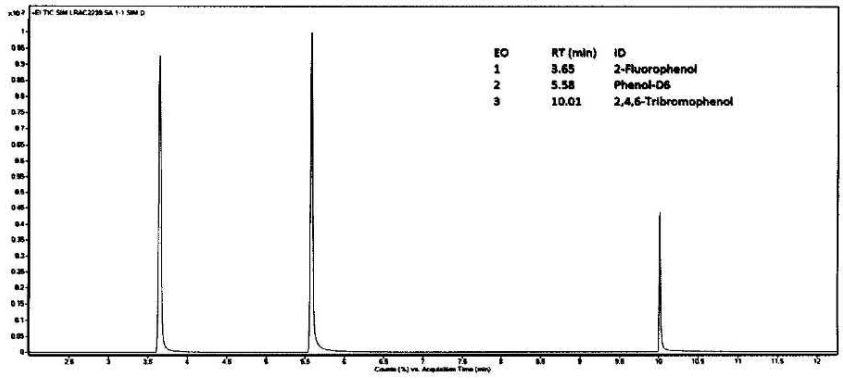
Certified Reference Material

Description

Product ID 47260-U
Lot LRAC2239
Expiration Date March 2022
Manufacturing Date March 2019
Storage Conditions Room Temperature
Solvent/Matrix METHANOL

Certified Values

Analyte	*Units*	*Certified Value* [1,4]	*Raw Material Purity,%*	*Analytical Value*	*Elution order*	*Raw Material Lot*	*CAS*
2-FLUOROPHENOL	µg/mL	9930 ± 288	99.9	10037	1	LB92543	367-12-4
PHENOL-D6	µg/mL	9930 ± 290	99.4	9900	2	LB91168	13127-88-3
2,4,6-TRIBROMOPHENOL	µg/mL	9930 ± 318	99.7	9900	3	LB81262	118-79-6



Additional Information:
Analytical Method Parameters:

Column: SLB-5MS, 30 m x 0.25 mm x 0.25 µm df , Flow: 1.0 ml/min
Inlet: 200 °C, Injection Mode: Split, 60:1
80 °C (5 min) to 250 °C (3 min) at 40 °C /min
Detector: MSD, SIM, Transfer line: 250 °C
Injection Volume: 0.5 µL

ID #: 11383
Opened:
EPA 8270 Acids Surrogate Spike Mix HC
Expires: 3/31/2022
Rec'd: 4/10/2019
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

ANAB ACCREDITED REFERENCE MATERIAL PRODUCTS
ANAB ACCREDITED TESTING LABORATORY

SIGMA-ALDRICH®
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
307-742-5452
ritztechgroup@sial.com www.sigma-aldrich.com

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-6237A-R1
Description: Custom BNA Mix
Lot: 219041483
Solvent: Dichloromethane
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Apr 24, 2019
Expiration: May 24, 2021
Sample Size: 1 mL
Components: 6
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB AR-1463 ANAB AT-1339 ILAC-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
4-Chloro-2-methylphenol	1570-64-5	97.0	2068*	2006
4-Chlorophenol	106-48-9	98.6	2000	1972
1-Methylnaphthalene	90-12-0	98.4	2000	1968
Pyridine	110-86-1	98.7	2008	1982
o-Terphenyl	84-15-1	99.9	2000	1998
Triallate	2303-17-5	99.9	2004	2002

ID #: 11451
Opened:
Custom BNA Mix
Expires: 5/24/2021
Rec'd: 5/2/2019
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Certified By: Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

QR-ORG/NO-001
Rev. 5/18

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ISO 17034 Accredited
Scopes: http://AbsoluteStandards.com

CERTIFIED WEIGHT REPORT

Part Number: 93726
Lot Number: 050818
Description: Tetraethyllead

Solvent(s): Methylene chloride Lot# 76782

Expiration Date: 050823
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 2584186

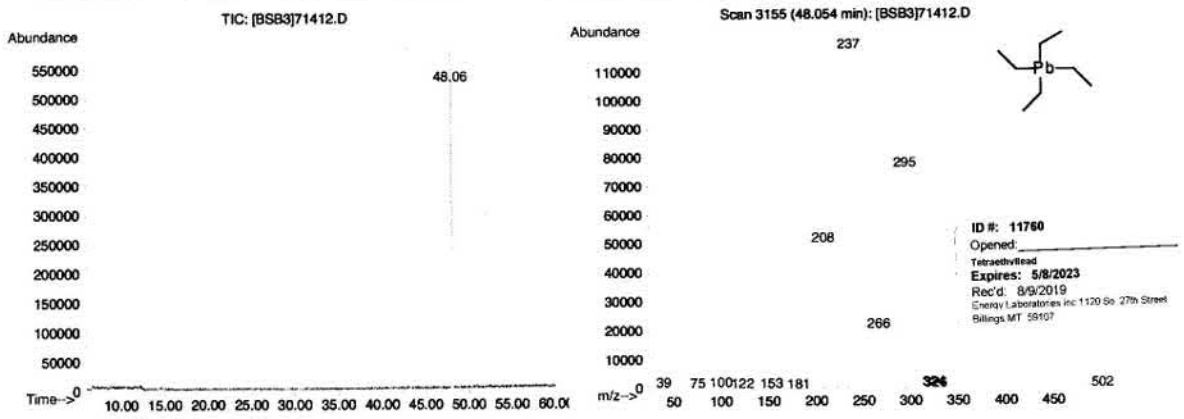
Weight(s) shown below were combined and diluted to (mL): 50.0 5E-05 Balance Uncertainty 0.010 Flask Uncertainty

Formulated By: Justin Dippold 050818 DATE

Reviewed By: Pedro L. Rentas 050818 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Tetraethyllead	1412	15309DO	2000	99.99	0.2	0.10001	0.10025	2004.7	8.3	78-00-2	0.075mg/m3/8H(skin)	orl-rat 12300ug/kg

Method GC6MSD-1: Column: Vocol (60m X 0.25mm ID X 1.5µm film thickness). Temp. 1 = 35°C (10min.), Temp. 2 = 200°C (8.75 min.), Rate = 4°C/min., Injector Temp.= 200°C, Detector Temp. = 220°C. Analysis performed by Candice Warren.



ID #: 11760
Opened: _____
Tetraethyllead
Expires: 5/8/2023
Rec'd: 8/9/2019
Energy Laboratories inc 1120 So 27th Street Billings,MT 59107

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

2

Honeywell

CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
www.lab-honeywell.com

Brand:	Research Chemicals - B&J
Product:	CS299AA-200
Lot No.:	DX975
Production Date:	16-Dec-2019
Best Before:	15-Dec-2021

Dichloromethane, Custom, Contains Amylene Preservative, >99.9%
for pesticide residue analysis

Parameter	Specification Min.	Max.	Result	Units
Water by Karl Fischer Titration		0.010	0.0014	%
UV Cutoff		233	230	nm
Refractive Index (20°C)	1.4236	1.4246	1.4243	
Residue		1	<0.5	mg/L
GC Analysis	99.9		>99.99	%
Acidity (as HCl)		1	<1	mg/L
Chloride		10	<10	mg/L
Electron Capture GC		10	<10	ng/L
Flame Ionization GC		5	<5	ppb
UV Absorbance @ 240 nm		0.100	0.0898	AU
UV Absorbance @ 250 nm		0.010	0.0097	AU
UV Absorbance @ 300 nm		0.005	0.0004	AU
UV Absorbance @ 400 nm		0.005	0.0020	AU

ID #: 12485
Opened:
Dichloromethane DX975
Expires: 12/15/2021
Rec'd: 3/10/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Honeywell
Quality Control Approval

Muskegon 12/16/2019 LIMS Sample No.: AK03676

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31029 **Lot No.:** A0157111

Description : 604 Phenols Calibration Mix

604 Calibration Std Phenols 2000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : January 31, 2028 **Storage:** 10°C or colder

ID #: 12512
Opened:
604 Phenols Calibration Mix
Expires: 1/31/2028
Rec'd: 3/17/2020
Energy Laboratories Inc 1120 So. 27th Street Billings MT 59107

CERTIFIED VALUES

Elution Order	Compound		Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.I., K=2)	
1	Phenol **CAS #** 108-95-2 **Purity** 99%	(Lot SHBF9719V)	2,004.0 µg/mL	+/- 11.9032 µg/mL +/- 58.5341 µg/mL +/- 71.0092 µg/mL	Gravimetric Unstressed Stressed
2	2-Chlorophenol **CAS #** 95-57-8 **Purity** 99%	(Lot STBH7290)	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 58.4173 µg/mL +/- 70.8674 µg/mL	Gravimetric Unstressed Stressed
3	2-Nitrophenol **CAS #** 88-75-5 **Purity** 99%	(Lot BCBH7602V)	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 58.4173 µg/mL +/- 70.8674 µg/mL	Gravimetric Unstressed Stressed
4	2,4-Dimethylphenol **CAS #** 105-67-9 **Purity** 99%	(Lot 10165155)	2,000.0 µg/mL	+/- 11.8794 µg/mL +/- 58.4173 µg/mL +/- 70.8674 µg/mL	Gravimetric Unstressed Stressed
5	2,4-Dichlorophenol **CAS #** 120-83-2 **Purity** 99%	(Lot BCBJ8113V)	2,004.0 µg/mL	+/- 11.9032 µg/mL +/- 58.5341 µg/mL +/- 71.0092 µg/mL	Gravimetric Unstressed Stressed
6	4-Chloro-3-methylphenol **CAS #** 59-50-7 **Purity** 99%	(Lot STBC7309V)	2,004.0 µg/mL	+/- 11.9032 µg/mL +/- 58.5341 µg/mL +/- 71.0092 µg/mL	Gravimetric Unstressed Stressed
7	2,4,6-Trichlorophenol **CAS #** 88-06-2 **Purity** 99%	(Lot STBH7520)	2,002.0 µg/mL	+/- 11.8913 µg/mL +/- 58.4757 µg/mL +/- 70.9383 µg/mL	Gravimetric Unstressed Stressed

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 64480
Lot Number: 031620
Description: BNA 2nd Source Standard Rev 1
5 components
Expiration Date: 031623
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent: Methylene chloride **Lot#** 104929

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 20.0 0.003 Flask Uncertainty

Gabriel Helland 031620
Formulated By: Gabriel Helland DATE

Pedro Rentas 031620
Reviewed By: Pedro L. Rentas DATE

	Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Aniline	11	03929TV	2000	99	0.2	0.04043	0.04075	2015.9	9.6	62-53-3	5 ppm (8H)	orl-rat 250mg/kg
2.	Benzidine	27	SLBH5327V	2000	98	0.2	0.04084	0.04088	2001.9	9.5	92-87-5	N/A	orl-rat 309mg/kg
3.	4-Chloroaniline	67	052597	2000	98	0.2	0.04084	0.04094	2004.9	9.6	106-47-8	N/A	orl-rat 310mg/kg
4.	3,3'-Dichlorobenzidine	130	040919	2000	98	0.2	0.04084	0.04087	2001.5	9.5	91-94-1	Cancer Suspect Agent	orl-rat 3.82g/kg
5.	Pyridine	260	SHBG3194V	2000	99.8	0.2	0.04010	0.04030	2009.8	9.5	110-86-1	5 ppm (15mg/m3/8H)	orl-rat 891mg/kg

ID #: 12532
Opened:_____
BNA 2nd Source Standard Rev 1
Expires: 3/16/2023
Rec'd: 3/23/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).**

Certificate of Analysis

TCL PAH
MIX,1X1ML,2000UG/ML,BENZENE:DICHLOROMETHANE

Certified Reference Material

Description

Product ID CRM48905
Lot **LRAC3877**
Expiration Date September 2022
Manufacturing Date September 2019
Storage Conditions Refrigerate
Solvent/Matrix methylene chloride: benzene (1:1)

Certified Values

Analyte	*Certified Value* [1,4]	*Units*	*Raw Material Purity,%*	*Analytical Value* [6]	*Elution order*	*Raw Material Lot*	*CAS*
NAPHTHALENE	2000 ± 32	µg/mL	100.0	2022	01	01112017-5	91-20-
ACENAPHTHYLENE	2000 ± 66	µg/mL	99.8	2005	02	LC21494	208-96-
ACENAPHTHENE	2000 ± 63	µg/mL	99.9	2031	03	MKCC8329	83-32-
FLUORENE	2000 ± 90	µg/mL	99.4	2009	04	LC19126	86-73-
PHENANTHRENE	2000 ± 56	µg/mL	99.6	2043	05	MKCD3760	85-01-
ANTHRACENE	2000 ± 39	µg/mL	99.9	2005	06	LC14310	120-12-
FLUORANTHENE	2000 ± 69	µg/mL	98.5	2031	07	LB99099	206-44-
PYRENE	2000 ± 68	µg/mL	91.6	2078	08	LB70761	129-00-
BENZO (A) ANTHRACENE	2000 ± 63	µg/mL	99.9	2002	09	LC19271	56-55-
CHRYSENE	2000 ± 59	µg/mL	99.0	2026	10	21L74	218-01-
BENZO (B) FLUORANTHENE	2000 ± 62	µg/mL	99.5	1998	11	LB95773	205-99-
BENZO (K) FLUORANTHENE	2000 ± 62	µg/mL	99.9	2043	12	0000029501	207-08-
BENZO(A)PYRENE	2002 ± 64	µg/mL	99.6	2037	13	LB73826	50-32-
DIBENZ (A,H) ANTHRACENE	2000 ± 64	µg/mL	99.0	2050	14	0012014	53-70-
BENZO (G,H,I) PERYLENE	2000 ± 67	µg/mL	98.5	2059	15	LC19498	191-24-
INDENO (1,2,3-CD) PYRENE	2000 ± 64	µg/mL	99.5	1995	16	ER082107-02	193-39-

ID #: **12846**
Opened:
TCL PAH
Expires: 9/30/2022
Rec'd: 7/13/2020
Energy Laboratories Inc 1120 So 27th Street
Billings MT 59107

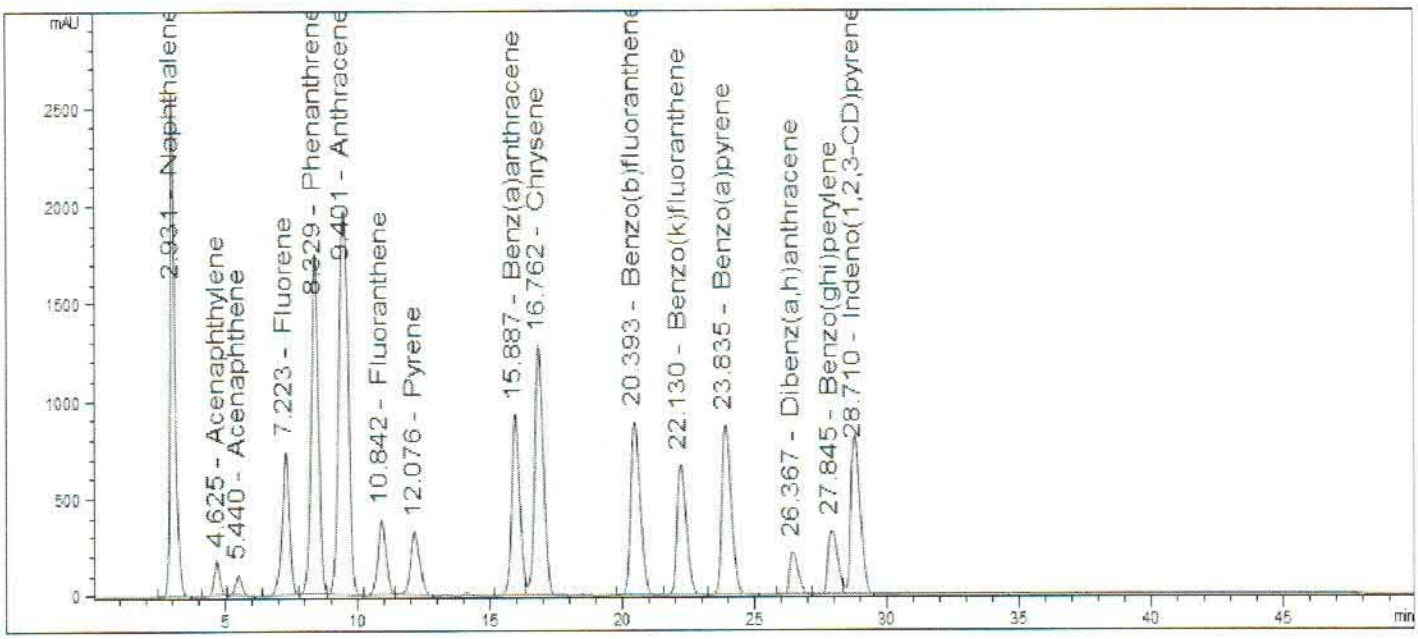
ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED TESTING LABORATORY

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
307-742-5452
rtctechgroup@sial.com
www.sigma-aldrich.com

Description

Lot	**LRAC3877**
Expiration Date	September 2022
Manufacturing Date	September 2019
Storage Conditions	Refrigerate
Solvent/Matrix	methylene chloride: benzene (1:1)

Informational Values



Additional Information:

Analytical Method Parameters:
Column: Supelco LC-PAH, 250 mm x 4.6mm, 5µm particle size
Mobile Phase A: Water
Mobile Phase B: Acetonitrile
Detector: UV/DAD/VWD, Wavelength: 254 nm
Flow Rate: 1.7 mL/min
Column Temperature: 30 °C
Injection Volume: 2 µL

Gradient

TIME (min)	A%	B%
0	40	60
5	40	60
30	0	100
45	0	100
50	40	60

Certificate of Analysis

TCL PAH
MIX,1X1ML,2000UG/ML,BENZENE:DICHLOROMETHANE

Certified Reference Material

Description

Product ID CRM48905
Lot **LRAC3877**
Expiration Date September 2022
Manufacturing Date September 2019
Storage Conditions Refrigerate
Solvent/Matrix methylene chloride: benzene (1:1)

1 **Metrological traceability:** Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
4 Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u^2_{char} + u^2_{hom.\ ogeneity} + u^2_{stability}}$$

k: Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence interval** = 95%

6 Analytical Value- For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

Traceability: The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were preformed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Homogeneity: Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

Expiration is at end of month given on certificate and label.

THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH **ISO/IEC 17025:2017 (ANAB Cert AT-1467)** and **ISO 17034:2016 (ANAB Cert AR-1470).**

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Certification Date October 17, 2019
Version 0-10172019

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY

SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
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RESTEK®
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0166081

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : October 31, 2026 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

ID #: 13328
Opened:
B/N Surrogate Mix (4/89 SOW)
Expires: 10/31/2026
Rec'd: 12/14/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 **Purity** 99% (Lot PR-29940B)	5,017.7 µg/mL	+/- 29.1731 µg/mL +/- 225.9987 µg/mL +/- 250.7735 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 **Purity** 99% (Lot 00019169)	5,049.7 µg/mL	+/- 29.3592 µg/mL +/- 227.4400 µg/mL +/- 252.3728 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 **Purity** 99% (Lot PR-27278)	5,029.9 µg/mL	+/- 29.2444 µg/mL +/- 226.5505 µg/mL +/- 251.3857 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

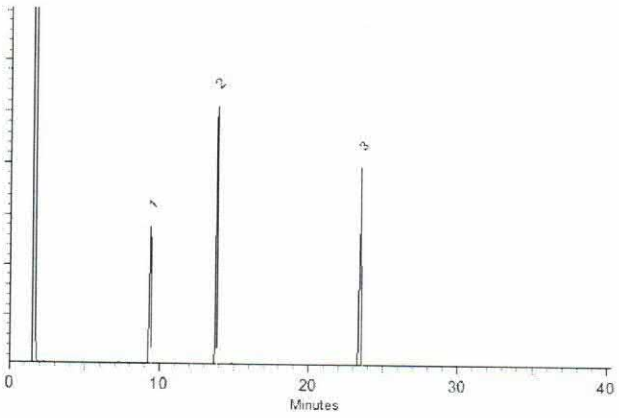
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dalton Stover - Operations Technician I

Date Mixed: 04-Nov-2020 **Balance:** 1128353505

Justine Albertson - Operations Tech-ARM QC

Date Passed: 06-Nov-2020

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

Certificate of Analysis

TCL BASE-NEUTRALS
MIX,1X1ML,2000UG/ML,DICHLOROMETHANE

Certified Reference Material

Description

Product ID 47991-U
Lot **LRAC4915**
Expiration Date January 2023
Manufacturing Date January 2020
Storage Conditions Refrigerate
Solvent/Matrix DICHLOROMETHANE

ID #: 13494
Opened:_____
TCL Base-Neutrals Mix
Expires: 1/31/2023
Rec'd: 1/20/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certified Values

Analyte	*Certified Value* [1,4]	*Units*	*Raw Material Purity,%*	*Elution order*	*Raw Material Lot*	*CAS*
N-NITROSODIMETHYLAMINE	1999 ± 39	µg/mL	98.1	1	11-RFS-142-1	62-75-9
BIS (2-CHLOROETHYL) ETHER	2003 ± 42	µg/mL	99.4	2	06413MS	111-44-4
1,3-DICHLOROBENZENE	2001 ± 47	µg/mL	99.6	3	11221HC	541-73-1
1,4-DICHLOROBENZENE	2000 ± 66	µg/mL	99.9	4	MKBG7690V	106-46-7
1,2-DICHLOROBENZENE	2005 ± 65	µg/mL	99.4	5	LB58923	95-50-1
BIS (2-CHLOROISOPROPYL) ETHER	2000 ± 45	µg/mL	96.7	6	LC19632	108-60-1
N-NITROSODI-N-PROPYLAMINE	2001 ± 36	µg/mL	100.0	7	2D5VJ-PB	621-64-7
HEXACHLOROETHANE	2000 ± 125	µg/mL	99.9	8	12719AO	67-72-1
NITROBENZENE	2000 ± 53	µg/mL	99.9	9	LB47070	98-95-3
ISOPHORONE	1999 ± 34	µg/mL	99.5	10	LC14006	78-59-1
BIS (2-CHLOROETHOXY) METHANE	2000 ± 33	µg/mL	98.7	11	LB46081	111-91-1
1,2,4-TRICHLOROBENZENE	2003 ± 91	µg/mL	99.9	12	447	120-82-1
HEXACHLOROBUTADIENE	1999 ± 97	µg/mL	97.2	13	MKCG6212	87-68-3
HEXACHLOROCYCLOPENTADIENE	2001 ± 111	µg/mL	96.0	14	LB95525	77-47-4
2-CHLORONAPHTHALENE	2000 ± 120	µg/mL	99.9	15	LC11403	91-58-7
DIMETHYL PHTHALATE	2006 ± 44	µg/mL	99.9	16	LB30494	131-11-3
2,6-DINITROTOLUENE	2000 ± 91	µg/mL	99.2	17	11231AN	606-20-2
2,4-DINITROTOLUENE	2000 ± 71	µg/mL	98.9	18	12316HF	121-14-2
DIETHYL PHTHALATE	1998 ± 51	µg/mL	99.9	19	207	84-66-2
4-CHLOROPHENYLPHENYL ETHER	2006 ± 52	µg/mL	99.3	20	JS00081	7005-72-3
N-NITROSODIPHENYLAMINE	2000 ± 72	µg/mL	95.5	21	LC07185	86-30-6
AZOBENZENE	2000 ± 48	µg/mL	98.2	22	BCBS6535V	103-33-3
4-BROMOPHENYLPHENYL ETHER	2006 ± 48	µg/mL	99.0	23	05916LS	101-55-3

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER
ANAB ACCREDITED TESTING LABORATORY

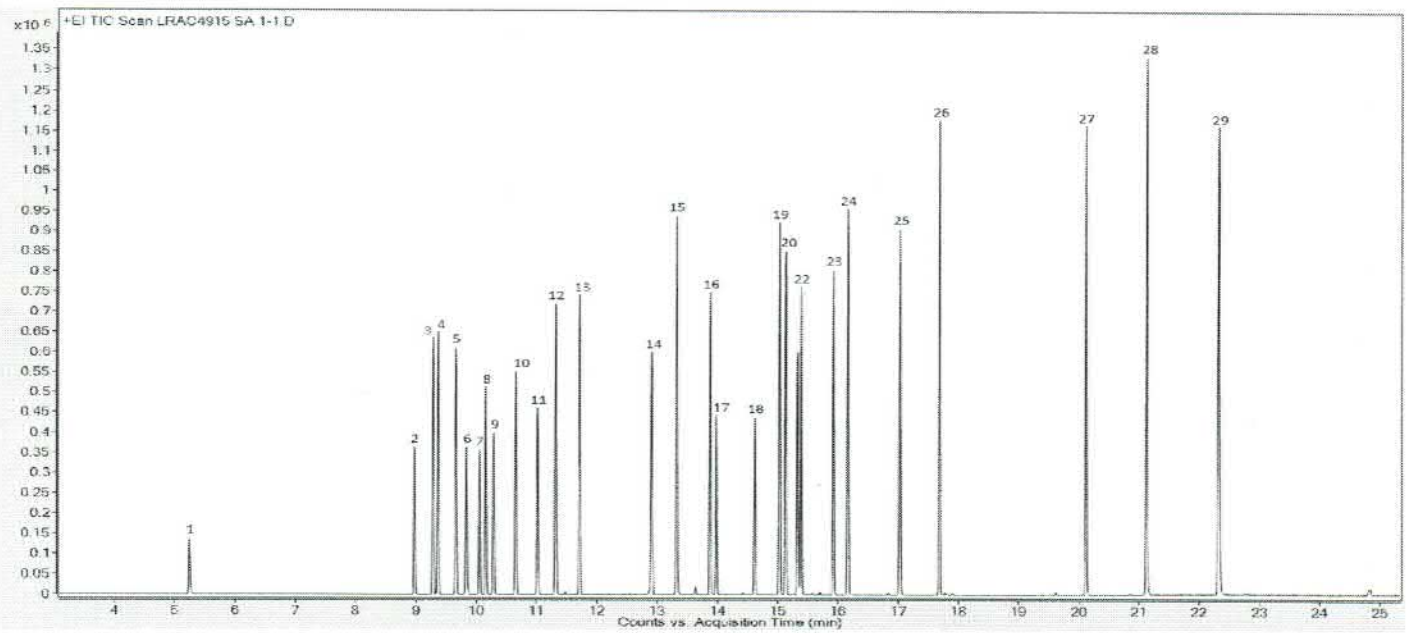
SIGMA-ALDRICH
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
800-325-5832
TechService@milliporesigma.com www.sigma-aldrich.com

Description

Lot LRAC4915
Expiration Date January 2023
Manufacturing Date January 2020
Storage Conditions Refrigerate
Solvent/Matrix DICHLOROMETHANE

HEXACHLOROBENZENE	2000 ± 116	µg/mL	98.0	24	1-AWT-44-1	118-74-1
CARBAZOLE	2000 ± 117	µg/mL	98.1	25	LC13236	86-74-8
DI-N-BUTYL PHTHALATE	1999 ± 81	µg/mL	99.9	26	10202KN	84-74-2
BENZYL BUTYL PHTHALATE	2001 ± 40	µg/mL	99.0	27	1628	85-68-7
BIS (2-ETHYLHEXYL) PHTHALATE	1999 ± 51	µg/mL	99.7	28	LB39572	117-81-7
DI-N-OCTYL PHTHALATE	2004 ± 51	µg/mL	98.3	29	BCBR9722V	117-84-0

Informational Values



Certificate of Analysis

TCL BASE-NEUTRALS
MIX,1X1ML,2000UG/ML,DICHLOROMETHANE

Certified Reference Material

Description

Product ID 47991-U
Lot **LRAC4915**
Expiration Date January 2023
Manufacturing Date January 2020
Storage Conditions Refrigerate
Solvent/Matrix DICHLOROMETHANE

ELUTION DETAILS

EO	RT(MIN)	ANALYTE
1	5.25	N-nitrosodimethylamine
2	8.98	Bis-(2-chloroethyl) ether
3	9.29	1,3-dichlorobenzene
4	9.37	1,4-dichlorobenzene
5	9.67	1,2-dichlorobenzene
6	9.84	Bis-(2-chloroisopropyl) ether
7	10.06	N-nitrosodipropylamine
8	10.16	Hexachloroethane
9	10.29	Nitrobenzene
10	10.66	Isophorone
11	11.02	Bis-(2-chloroethoxy) methane
12	11.32	1,2,4-trichlorobenzene
13	11.72	Hexachlorobutadiene
14	12.91	Hexachlorocyclopentadiene
15	13.33	2-chloronaphthalene
16	13.88	Dimethyl phthalate
17	13.99	2,6-dinitrotoluene
18	14.62	2,4-dinitrotoluene
19	15.03	Diethyl Phthalate
20	15.13	4-chlorodiphenylether
21	15.33	N-nitrosodiphenylamine
22	15.39	Azobenzene
23	15.93	4-bromodiphenylether
24	16.17	Hexachlorobenzene
25	17.04	Carbazole
26	17.69	Dibutyl phthalate
27	20.12	Benzyl butyl phthalate
28	21.13	Bis-(2-ethylhexyl) phthalate
29	22.33	Di-n-octyl phthalate

Additional Information:

Analytical Method Parameters:
Column: SPB-5, 30 m × 0.25 mm I.D., 0.25 µm film thickness (Column #230)
Carrier Gas: He, Flow: 0.8 mL/min
Inlet Temperature: 240 °C, Injection Volume: 0.5 µL
Injection Mode: Split with Split Ratio 70:1
Temperature Program: 40 °C (Hold 3 min) @ 15 °C/min to 300 °C (Hold 5 min)
Detector: MSD, Mode: FS, Mass Range: 40-400 m/z, Scan Rate: 4 scans/sec Solvent delay: 3.0 min
Detector Temperature: Transfer line: 300 °C, Ion Source: 230 °C, and Quadrupole: 150 °C

SIGMA-ALDRICH®
2931 Soldier Springs Rd. Laramie, Wyoming 82070 USA
800-325-5832
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Description

Lot **LRAC4915**
Expiration Date January 2023
Manufacturing Date January 2020
Storage Conditions Refrigerate
Solvent/Matrix DICHLOROMETHANE

1 **Metrological traceability:** Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
4 Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical representation of the Ucrm calculation is as follows:

$$u_{CRM} = \sqrt{u^2_{char} + u^2_{hom.\ ogeneity} + u^2_{stability}}$$

k: Coverage factor derived from a t-distribution table, based on the degrees of freedom of the data set. Assume 2.0 for a **Confidence Interval = 95%**

6 Analytical Value- For QC verification of the certified value only- not to be used in calculations. Represents the analytical data obtained by comparison to a standard as analyzed by the method described in the CoA or another acceptable method. The result may differ from the certified value and UCRM based on method uncertainty as well as the uncertainty associated with the standard used for comparison.

Traceability: The standard was manufactured under an ISO/IEC 17025:2017 certified quality system. The balance used to weigh raw materials is accurate to +/- 0.0001g and calibrated regularly using mass standards traceable to NIST. All dilutions were preformed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.

Homogeneity: Homogeneity was assessed in accordance with ISO 17034:2016. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared using a one-way analysis of variance approach as described by TNI EL-V3-2009 Appendix A.2. See Instructions for minimum sub-sample size.

Expiration is at end of month given on certificate and label.

MSDS reports for components comprising greater than 1.0% of the solution or 0.1% for components known to be carcinogens are available upon request.

THIS PRODUCT WAS DESIGNED, PRODUCED AND VERIFIED FOR ACCURACY AND STABILITY IN ACCORDANCE WITH **ISO/IEC 17025:2017 (ANAB Cert AT-1467)** and **ISO 17034:2016 (ANAB Cert AR-1470).**

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Certification Date February 28, 2020
Version 0-2282020

ID #: 13510
Opened:
Dichloromethane EA342
Expires: 11/17/2022
Rec'd: 1/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Honeywell

CERTIFICATE OF ANALYSIS

Honeywell Burdick & Jackson®
1953 South Harvey Street
Muskegon, MI 49442
Phone: (800) 368-0050
Fax: (231) 728-8226
lab.honeywell.com

Brand:	Research Chemicals - B&J
Product:	CS299AA-200
Lot No.:	EA342
Production Date:	17-Nov-2020
Best Before:	17-Nov-2022

Dichloromethane, Custom, Contains Amylene Preservative, >99.9%
for pesticide residue analysis

Parameter	Specification Min.	Max.	Result	Units
Water by Karl Fischer Titration		0.010	0.0016	%
UV Cutoff		233	230	nm
Refractive Index (20°C)	1.4236	1.4246	1.4241	
Residue		1	<0.5	mg/L
GC Analysis	99.9		>99.99	%
Acidity (as HCl)		1	<1	mg/L
Chloride		10	<10	mg/L
Electron Capture GC		10	<10	ng/L
Flame Ionization GC		5	<5	ppb
UV Absorbance @ 240 nm		0.100	0.0920	AU
UV Absorbance @ 250 nm		0.010	0.0099	AU
UV Absorbance @ 300 nm		0.005	0.0008	AU
UV Absorbance @ 400 nm		0.005	0.0028	AU

Honeywell
Quality Control Approval

Janna Dickinson

Muskegon 11/17/2020 LIMS Sample No.: AL03611

CERTIFIED WEIGHT REPORT

Part Number: 92180
Lot Number: 020221
Description: CLP Semi-Volatile Calibration Standard
64 components
Expiration Date: 020226
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 1000
NIST Test ID#: 23060

Solvent: Methylene chloride **Lot#** 104929

Formulated By:	Eli Aliaga	020221 DATE
Reviewed By:	Pedro L. Rentas	020221 DATE

5E-05 Balance Uncertainty

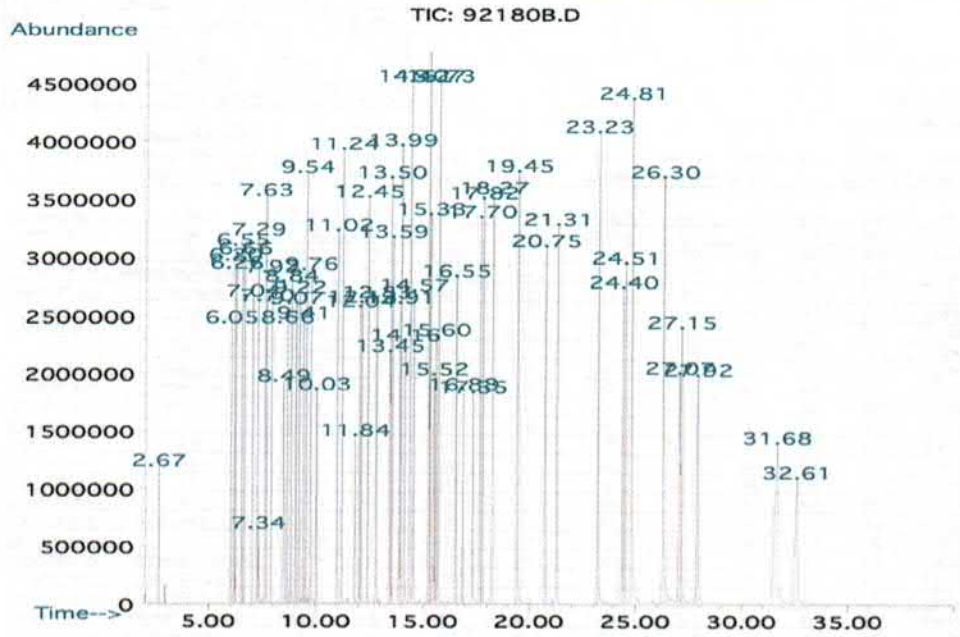
Weight(s) shown below were combined and diluted to (mL): 100.0 0.003 Flask Uncertainty

	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity (%)	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	2,2'-Oxybis(1-chloropropane)	(0078)	012016AR	NA	NA	NA	1000	98.9	0.2	NA	0.10112	0.10135	1002.3	4.2	108-60-1	N/A	orl-rat 240mg/kg
2.	Hexachlorobenzene	(0195)	051697	NA	NA	NA	1000	99	0.2	NA	0.10102	0.10121	1001.9	4.2	118-74-1	N/A	orl-rat 10g/kg
3.	bis(2-Chloroethoxy) methane	10111	011214	0.05	5.00	20018.4	1000	NA	NA	0.017	NA	NA	1000.8	8.0	111-91-1	N/A	N/A
4.	bis(2-Chloroethyl) ether	10111	011214	0.05	5.00	20012.4	1000	NA	NA	0.017	NA	NA	1000.5	8.0	111-44-4	15 ppm (90mg/m3/8H)(skin)	orl-rat 75mg/kg
5.	bis(2-Ethylhexyl) phthalate	10111	011214	0.05	5.00	20014.3	1000	NA	NA	0.017	NA	NA	1000.6	8.0	117-81-7	5mg/m3/8H	orl-rat 30600mg/kg
6.	4-Bromophenyl phenyl ether	10111	011214	0.05	5.00	20008.8	1000	NA	NA	0.017	NA	NA	1000.3	8.0	101-55-3	N/A	N/A
7.	Benzyl butyl phthalate	10111	011214	0.05	5.00	20011.3	1000	NA	NA	0.017	NA	NA	1000.5	8.0	85-68-7	N/A	orl-rat 2330mg/kg
8.	4-Chlorophenyl phenyl ether	10111	011214	0.05	5.00	20009.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	7005-72-3	N/A	N/A
9.	Diethyl phthalate	10111	011214	0.05	5.00	20013.6	1000	NA	NA	0.017	NA	NA	1000.6	8.0	84-66-2	5mg/m3/8H	orl-rat 8600mg/kg
10.	Dimethyl phthalate	10111	011214	0.05	5.00	20015.7	1000	NA	NA	0.017	NA	NA	1000.7	8.0	131-11-3	5mg/m3/8H	orl-rat 6800mg/kg
11.	Di-n-butyl phthalate	10111	011214	0.05	5.00	20011.6	1000	NA	NA	0.017	NA	NA	1000.5	8.0	84-74-2	5mg/m3/8H	orl-rat 8000mg/kg
12.	Di-n-octyl phthalate	10111	011214	0.05	5.00	20012.2	1000	NA	NA	0.017	NA	NA	1000.5	8.0	117-84-0	N/A	orl-rat 47000mg/kg
13.	N-Nitrosodimethylamine	10111	011214	0.05	5.00	20010.0	1000	NA	NA	0.017	NA	NA	1000.4	8.0	62-75-9	N/A	orl-rat 58mg/kg
14.	N-Nitrosodi-n-propylamine	10111	011214	0.05	5.00	20010.5	1000	NA	NA	0.017	NA	NA	1000.4	8.0	621-64-7	N/A	orl-rat 480mg/kg
15.	1,2-Diphenylhydrazine (as Azobenzene)	10112	042820	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.1	103-33-3	N/A	orl-rat 1000mg/kg
16.	2-Chloronaphthalene	10112	042820	0.05	5.00	20002.3	1000	NA	NA	0.017	NA	NA	1000.0	8.0	91-58-7	N/A	orl-rat 2078mg/kg
17.	1,2-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
18.	1,3-Dichlorobenzene	10112	042820	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	541-73-1	N/A	ipr-mus 1062mg/kg
19.	1,4-Dichlorobenzene	10112	042820	0.05	5.00	20005.4	1000	NA	NA	0.017	NA	NA	1000.2	8.0	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
20.	2,4-Dinitrotoluene	10112	042820	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	121-14-2	1.5mg/m3/8H (skin)	orl-rat 268mg/kg
21.	2,6-Dinitrotoluene	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	606-20-2	1.5mg/m3/8H (skin)	orl-rat 177mg/kg
22.	Hexachloro-1,3-butadiene	10112	042820	0.05	5.00	20009.4	1000	NA	NA	0.017	NA	NA	1000.4	12.4	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
23.	Hexachlorocyclopentadiene	10112	042820	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	77-47-4	0.01 ppm (0.1mg/m3/8H)	orl-rat 1300mg/kg
24.	Hexachloroethane	10112	042820	0.05	5.00	20002.4	1000	NA	NA	0.017	NA	NA	1000.0	8.0	67-72-1	1 ppm (10mg/m3/8H)(skin)	orl-gpg 4970mg/kg
25.	Isophorone	10112	042820	0.05	5.00	20003.8	1000	NA	NA	0.017	NA	NA	1000.1	8.1	78-59-1	25 ppm	orl-rat 2330mg/kg
26.	Nitrobenzene	10112	042820	0.05	5.00	20004.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
27.	1,2,4-Trichlorobenzene	10112	042820	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
28.	o-Cresol (2-Methylphenol)	10114	081919	0.05	5.00	20010.2	1000	NA	NA	0.017	NA	NA	1000.4	8.0	95-48-7	5 ppm (22mg/m3/8H)(skin)	orl-rat 121mg/kg
29.	p-Cresol (4-Methylphenol)	10114	081919	0.05	5.00	20061.2	1000	NA	NA	0.017	NA	NA	1003.0	8.0	106-44-5	5 ppm (22mg/m3/8H)(skin)	orl-rat 207mg/kg
30.	2,4,5-Trichlorophenol	10114	081919	0.05	5.00	20023.2	1000	NA	NA	0.017	NA	NA	1001.1	8.0	95-95-4	N/A	orl-rat 820mg/kg
31.	4-Chloroaniline	10115	060512	0.05	5.00	20009.6	1000	NA	NA	0.017	NA	NA	1000.4	8.0	106-47-8	N/A	orl-rat 310mg/kg
32.	Dibenzofuran	10115	060512	0.05	5.00	20020.2	1000	NA	NA	0.017	NA	NA	1000.9	8.0	132-64-9	N/A	N/A
33.	2-Methylnaphthalene	10115	060512	0.05	5.00	20012.9	1000	NA	NA	0.017	NA	NA	1000.5	8.1	91-57-6	N/A	orl-rat 1630mg/kg
34.	2-Nitroaniline	10115	060512	0.05	5.00	20011.8	1000	NA	NA	0.017	NA	NA	1000.5	8.0	88-74-4	N/A	orl-rat 1600mg/kg
35.	3-Nitroaniline	10115	060512	0.05	5.00	20018.6	1000	NA	NA	0.017	NA	NA	1000.8	8.0	99-09-2	N/A	orl-rat 535mg/kg
36.	4-Nitroaniline	10115	060512	0.05	5.00	20014.9	1000	NA	NA	0.017	NA	NA	1000.6	8.0	100-01-6	1 ppm (6mg/m3/8H)(skin)	orl-rat 750mg/kg
37.	4-Chloro-3-methylphenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	59-50-7	N/A	orl-rat 1830mg/kg
38.	2-Chlorophenol	10118	072120	0.05	5.00	20002.9	1000	NA	NA	0.017	NA	NA	1000.0	8.0	95-57-8	N/A	orl-rat 670mg/kg
39.	2,4-Dichlorophenol	10118	072120	0.05	5.00	20003.1	1000	NA	NA	0.017	NA	NA	1000.1	8.0	120-83-2	N/A	orl-rat 580mg/kg
40.	2,4-Dimethylphenol	10118	072120	0.05	5.00	20003.3	1000	NA	NA	0.017	NA	NA	1000.1	8.1	105-67-9	N/A	orl-rat 3200mg/kg
41.	2,4-Dinitrophenol	10118	072120	0.05	5.00	20001.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	51-28-5	N/A	orl-rat 30mg/kg
42.	4,6-Dinitro-2-methylphenol	10118	072120	0.05	5.00	20002.5	1000	NA	NA	0.017	NA	NA	1000.0	8.0	534-52-1	N/A	N/A
43.	2-Nitrophenol	10118	072120	0.05	5.00	20003.7	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-75-5	N/A	orl-rat 334mg/kg
44.	4-Nitrophenol	10118	072120	0.05	5.00	20002.0	1000	NA	NA	0.017	NA	NA	1000.0	8.0	100-02-7	N/A	orl-rat 250mg/kg
45.	Pentachlorophenol	10118	072120	0.05	5.00	20002.8	1000	NA	NA	0.017	NA	NA	1000.0	8.0	87-86-5	0.5mg/m3/8H (skin)	orl-rat 27mg/kg
46.	Phenol	10118	072120	0.05	5.00	20003.9	1000	NA	NA	0.017	NA	NA	1000.1	8.0	108-95-2	5 ppm (19mg/m3/8H)(skin)	orl-rat 317mg/kg
47.	2,4,6-Trichlorophenol	10118	072120	0.05	5.00	20004.2	1000	NA	NA	0.017	NA	NA	1000.1	8.0	88-06-2	N/A	orl-rat 820mg/kg
48.	Acenaphthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	83-32-9	N/A	ipr-rat 600mg/kg
49.	Acenaphthylene	10007	042420	0.50	50.00	2000.2	1000	NA	NA	0.018	NA	NA	1000.0	4.2	208-96-8	N/A	N/A
50.	Anthracene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.1	120-12-7	0.2mg/m3 (8H)	ipr-mus 430mg/kg
51.	Benzo(a)anthracene	10007	042420	0.50	50.00	2001.3	1000	NA	NA	0.018	NA	NA	1000.6	4.2	56-55-3	N/A	N/A
52.	Benzo(a)pyrene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	50-32-8	0.2mg/m3 (8H)	scu-rat 50mg/kg
53.	Benzo(b)fluoranthene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	205-99-2	N/A	N/A
54.	Benzo(k)fluoranthene	10007	042420	0.50	50.00	2001.2	1000	NA	NA	0.018	NA	NA	1000.5	4.1	207-08-9	N/A	N/A
55.	Benzo(g,h,i)perylene	10007	042420	0.50	50.00	2000.0	1000	NA	NA	0.018	NA	NA	999.9	4.1	191-24-2	N/A	N/A
56.	Carbazole	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.0	4.2	86-74-8	N/A	ipr-mus 200mg/kg
57.	Chrysene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	218-01-9	0.2mg/m3	N/A
58.	Dibenzo(a,h)anthracene	10007	042420	0.50	50.00	2000.8	1000	NA	NA	0.018	NA	NA	1000.3	4.2	53-70-3	0.2mg/m3	N/A
59.	Fluoranthene	10007	042420	0.50	50.00	2000.3	1000	NA	NA	0.018	NA	NA	1000.1	4.2	206-44-0	N/A	orl-rat 2000mg/kg
60.	Fluorene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.3	4.2	86-73-7	N/A	ipr-mus 2 g/kg
61.	Indeno(1,2,3-cd)pyrene	10007	042420	0.50	50.00	2000.1	1000	NA	NA	0.018	NA	NA	1000.0	4.1	193-39-5	N/A	N/A
62.	Naphthalene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
63.	Phenanthrene	10007	042420	0.50	50.00	2000.9	1000	NA	NA	0.018	NA	NA	1000.4	4.1	85-01-8	0.2mg/m3/8H	orl-mus 700mg/kg
64.	Pyrene	10007	042420	0.50	50.00	2001.0	1000	NA	NA	0.018	NA	NA	1000.4	4.2	129-00-0	0.2mg/m3/8H	orl-rat 2700mg/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

ID #: 13539
Opened:_____
CLP Semi-Volatiel Calibration Standard
Expires: 2/2/2026
Rec'd: 2/5/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Method GC8MSD-2.M: Column:SBB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14 min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 290°C, Split Ratio = 100:1, Scan Rate = 2. Analysis performed by Melissa Stonier.



Peak No	Name	MSD RT (min.)
1	N-nitrosodimethylamine	2.67
2	Phenol	6.05
3	bis(2-Chloroethyl)ether	6.20
4	2-Chlorophenol	6.26
5	1,3-Dichlorobenzene	6.55
6	1,4-Dichlorobenzene	6.63
7	1,2-Dichlorobenzene	7.04
8	o-Cresol (2-methylphenol)	7.29
9	bis(2-Chloroisopropyl)ether	7.34
10	p-Cresol (4-methylphenol)/N-nitrosodi-n-propylamine	7.63
11	Hexachloroethane	7.70
12	Nitrobenzene	7.92
13	Isophorone	8.49
14	2-Nitrophenol	8.66
15	2,4-Dimethylphenol	8.84
16	bis(2-Chloroethoxy)methane	9.07
17	2,4-Dichlorophenol	9.22
18	1,2,4-Trichlorobenzene	9.41
19	Naphthalene	9.54
20	4-Chloroaniline	9.76
21	Hexachloro-1,3-butadiene	10.03
22	4-Chloro-3-methylphenol	11.02
23	2-Methylnaphthalene	11.24
24	Hexachlorocyclopentadiene	11.84
25	2,4,6-Trichlorophenol	12.04
26	2,4,5-Trichlorophenol	12.13
27	2-Chloronaphthalene	12.45
28	2-Nitroaniline	12.84
29	Dimethyl phthalate	13.45
30	Acenaphthylene	13.50
31	2,6-Dinitrotoluene	13.59
32	3-Nitroaniline	13.91
33	Acenaphthene	13.99
34	2,4-Dinitrophenol	14.16
35	Dibenzofuran/4-Nitrophenol	14.40
36	2,4-Dinitrotoluene	14.57
37	Diethyl phthalate/Fluorene	15.27
38	4-Chlorophenyl phenyl ether	15.33
39	4-Nitroaniline	15.52
40	4,6-Dinitro-2-methylphenol	15.60
41	Azobenzene	15.73
42	4-Bromophenyl phenyl ether	16.56
43	Hexachlorobenzene	16.89
44	Pentachlorophenol	13.35
45	Phenanthrene	17.70
46	Anthracene	17.82
47	Carbazole	18.27
48	Di-n-butyl phthalate	19.45
49	Fluoranthene	20.75
50	Pyrene	21.31
51	Benzyl butyl phthalate	23.23
52	Benzo(a)anthracene	24.40
53	Chrysene	24.51
54	bis(2-Ehtylhexyl)phthalate	24.82
55	Di-n-octyl phthalate	26.30
56	Benzo(b)fluoranthene	27.07
57	Benzo(k)fluoranthene	27.15
58	Benzo(a)pyrene	27.92
59	Indeno(1,2,3-cd)pyrene/Dibenzo(a,h)anthracene	31.68
60	Benzo(g,h,i)perylene	32.61

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31062 **Lot No.:** A0167670

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 4/89(SOW) 5000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2026 **Storage:** 10°C or colder

Handling: Sonicate prior to use. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Nitrobenzene-d5 **CAS #** 4165-60-0 (Lot PR-29940B) **Purity** 99%	5,014.0 µg/mL	+/- 29.3583 µg/mL +/- 225.8621 µg/mL +/- 250.6163 µg/mL	Gravimetric Unstressed Stressed
2	2-Fluorobiphenyl **CAS #** 321-60-8 (Lot 00019169) **Purity** 99%	5,019.6 µg/mL	+/- 29.3911 µg/mL +/- 226.1143 µg/mL +/- 250.8962 µg/mL	Gravimetric Unstressed Stressed
3	p-Terphenyl-d14 **CAS #** 1718-51-0 (Lot PR-27278) **Purity** 99%	5,020.6 µg/mL	+/- 29.3967 µg/mL +/- 226.1576 µg/mL +/- 250.9442 µg/mL	Gravimetric Unstressed Stressed

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

ID #: 13666
Opened:
B/N Surrogate Mix (4/89 SOW)
Expires: 11/30/2026
Rec'd: 3/19/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Tech Tips:
Due to the limited solubility of p-terphenyl-d14 in methanol, we do not recommend that this mixture be diluted in methanol.

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

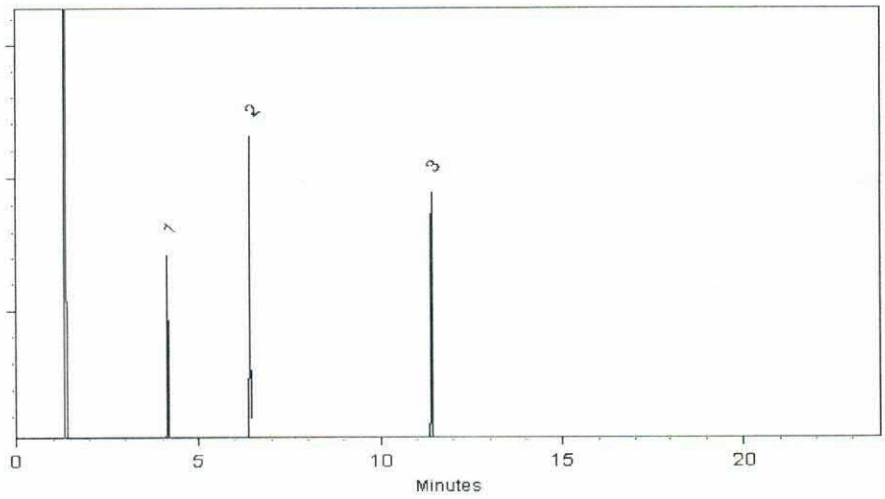
Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Katelyn McGinnl - Operations Tech I

Date Mixed: 30-Dec-2020 **Balance:** 1128353505

Alexis Shelow - Operations Tech I

Date Passed: 06-Jan-2021

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

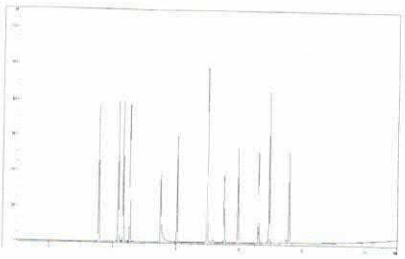
Supelco®

www.sigmaaldrich.com

Certificate of Analysis - Certified Reference Material

EPA TCL Hazardous Substances Mix (12 cmpds)

Product no.: 47990-U
Lot no.: LRAC9004
Expiry Date: February 2024
Manufacturing Date: February 2021
Storage: Refrigerate
Solvent/Matrix: Dichloromethane
Certificate version: LRAC9004.01 *(Note: Certificates may be updated due to the availability of new data. Check our website at: www.sigma-aldrich.com for the most current version.)*



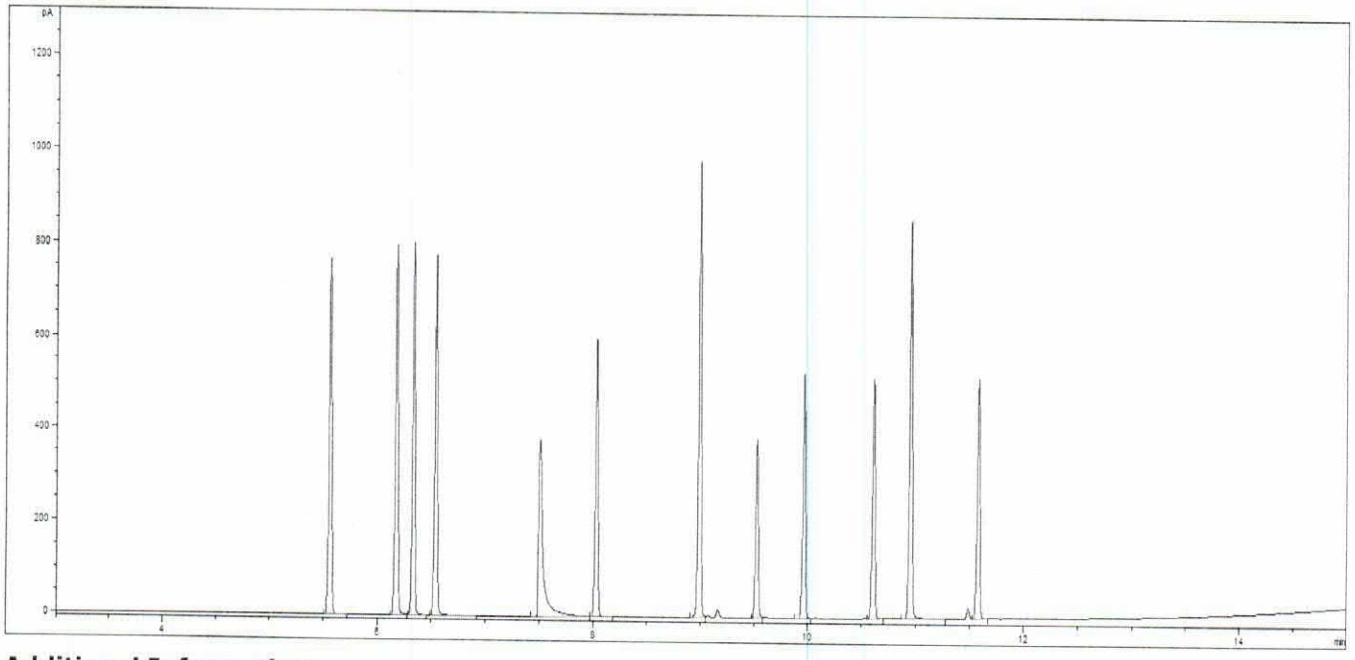
Certified Values:

Analyte	*Certified Value*	*Units*	*Raw Material Purity,%*	*Elution order*	*Raw Material Lot*
ANILINE CAS# 62-53-3	2022 ± 25	µg/mL	99.9	01	LA41596
BENZYL ALCOHOL CAS# 100-51-6	2022 ± 15	µg/mL	99.7	02	LB99705
2-METHYLPHENOL CAS# 95-48-7	2022 ± 14	µg/mL	99.9	03	LB91878
4-METHYLPHENOL CAS# 106-44-5	2022 ± 17	µg/mL	99.9	04	LB32518
BENZOIC ACID CAS# 65-85-0	2021 ± 27	µg/mL	98.8	05	442-137B
4-CHLOROANILINE CAS# 106-47-8	2022 ± 32	µg/mL	100.0	06	MKBZ6909V
2,4,5-TRICHLOROPHENOL CAS# 95-95-4	2022 ± 18	µg/mL	99.9	07	JS00008
2-METHYLNAPHTHALENE CAS# 91-57-6	2021 ± 11	µg/mL	98.2	08	LB97828
2-NITROANILINE CAS# 88-74-4	2022 ± 12	µg/mL	99.9	09	07411KN
3-NITROANILINE CAS# 99-09-2	2022 ± 15	µg/mL	99.9	10	LC09264
DIBENZOFURAN CAS# 132-64-9	2021 ± 10	µg/mL	98.8	11	LB78814
4-NITROANILINE CAS# 100-01-6	2022 ± 23	µg/mL	99.9	12	15609AA

ID #: 13691
Opened:
EPA TCL Hazardous Substances Mix (12 cmp
Expires: 2/28/2024
Rec'd: 3/26/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Sigma-Aldrich RTC, 2931 Soldier Springs Rd. Laramie, WY 82070, USA;
Tel. 1 307-742-5452; Fax 1 307-855-831-9211; www.sigmaaldrich.com
Sigma-Aldrich RTC is a subsidiary of Merck KGaA, Darmstadt, Germany.

Informational Values:



Additional Information:

Analytical Method Parameters:
Column: SPB-5, 30 m × 0.53 mm I.D., 1.5 µm film thickness (Column #214)
Carrier Gas: H2, Flow: 4.5 mL/min
Inlet Temperature: 240 °C, Injection Volume: 1 µL
Injection Mode: Split, Split Ratio: 25:1
Temperature Program: 80 °C (Hold 2 min) @ 15 °C/min to 280 °C (Hold 2 min)
Detector: FID
Detector Temperature: 310 °C

Metrological traceability:	Traceable to the SI and higher order standards from NIST through an unbroken chain of comparisons. The balance used to weigh raw materials is accurate to +/-0.0001 g and calibrated regularly using mass standards traceable to NIST. All dilutions were performed gravimetrically. Additionally, individual analytes are traceable to NIST SRMs where available and specified above.
Measurement method:	Where applicable, the assigned value is based on a purity determination by mass balance and gravimetrically prepared value.
Intended use:	Intended for R&D and Analytical Use only. Not for drug, household or other uses.
Minimum sample size:	1 µL
Packaging:	1 ML IN AMBER AMPULE
Instructions for handling and correct use:	Use on the as is basis. The internal pressure of the container may be slightly different from the atmospheric pressure at the user`s location. Open slowly and carefully to avoid dispersion of the material.
Health and safety information:	All chemical reference materials should be considered potentially hazardous and should be used only by qualified laboratory personnel. Please refer to the Safety Data Sheet for detailed information about the nature of any hazard and appropriate precautions to be taken.
Accreditation:	Sigma-Aldrich RTC is accredited by the US accreditation authority ANAB as a registered reference material producer AR-1470 in accordance with ISO 17034.
Certificate issue date:	26-Feb-2021

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER

Andy Ommen - QC Manager

Mark Pooler - QA Supervisor

Details on metrological traceability:

This standard has been gravimetrically prepared using balances that have been fully qualified and calibrated to ISO 17025 requirements. All calibrations utilize NIST traceable weights which are calibrated externally by a qualified ISO 17025 accredited calibration laboratory to NIST standards. Qualification of each balance includes the assignment of a minimum weighing by a qualified and ISO 17025 accredited calibration vendor taking into consideration the balance and installed environmental conditions to ensure compliance with USP tolerances of NMT 0.10% relative error. Fill volume to predetermined specifications is gravimetrically verified throughout the dispensing process using qualified and calibrated balances. Further traceability to a corresponding Primary Standard may be achieved through a direct comparison assay. Where a Primary Standard is available, the assay value will be included in the specified section of the COA.

Details on metrological traceability:

Ucrm - Uncertainty values in this document are expressed as Expanded Uncertainty (Ucrm) corresponding to the 95% confidence interval. Ucrm is derived from the combined standard uncertainty multiplied by the coverage factor k, which is obtained from a *t*-distribution and degrees of freedom. The components of combined standard uncertainty include the uncertainties due to characterization, homogeneity, long term stability, and short term stability (transport). The components due to stability are generally considered to be negligible unless otherwise indicated by stability studies. The mathematical

$$u_{CRM} = \sqrt{u_{char}^2 + u_{hom\ ogeneity}^2 + u_{stability}^2}$$

Homogeneity assessment:

Homogeneity was assessed in accordance with ISO Guide 35. Completed units were sampled using a random stratified sampling protocol. The results of chemical analysis were then compared by Single Factor Analysis of Variance (ANOVA). The uncertainty due to homogeneity was derived from the ANOVA. Heterogeneity was not detected under the conditions of the ANOVA.

Stability assessment:

Significance of the stability assessment will be demonstrated if the analytical result of the study and the range of values represented by the Expanded Uncertainty do not overlap the result of the original assay and the range of its values represented by the Expanded Uncertainty. The method employed will usually be the same method used to characterize the assay value in the initial

Certificate of analysis revision history:

Certificate version	Date	Reason for version
LRAC9004.01	26-Feb-2021	Original Release Date

Agilent

ID #: 13854
Opened:
Benzidines Standard
Expires: 4/30/2023
Rec'd: 5/14/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certificate of Analysis

Product Name: Benzidines Standard

Product Number: US-290-1

Lot Number: 0006592783

Lot Issue Date: 03-Mar-2021

Expiration Date: 30-Apr-2023

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
benzidine	000092-87-5	RM10200	2004 ± 10 µg/mL
3,3'-dichlorobenzidine	000091-94-1	RM12559	2001 ± 10 µg/mL

Matrix: methylene chloride (dichloromethane)

Storage Conditions: Store at Room Temperature (15° to 30°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with the LRQA registered ISO 9001:2015 Quality Management System. Cert # 10303760
Page: 1 of 1

www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

ANAB ISO 17034 Accredite
AR-1539 Certificate Numbe
https://Absolutestandards.cor

CERTIFIED WEIGHT REPORT

Part Number: **95230**
Lot Number: 050721
Description: Semi-Volatile Mix
11 components
Expiration Date: 050726
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB
Weight(s) shown below were combined and diluted to (mL): 50.0

Solvent(s): **Lot#**
Methylene chloride 105345

5E-05 Balance Uncertainty
0.058 Flask Uncertainty

Formulated By: Prashant Chauhan 050721 DATE

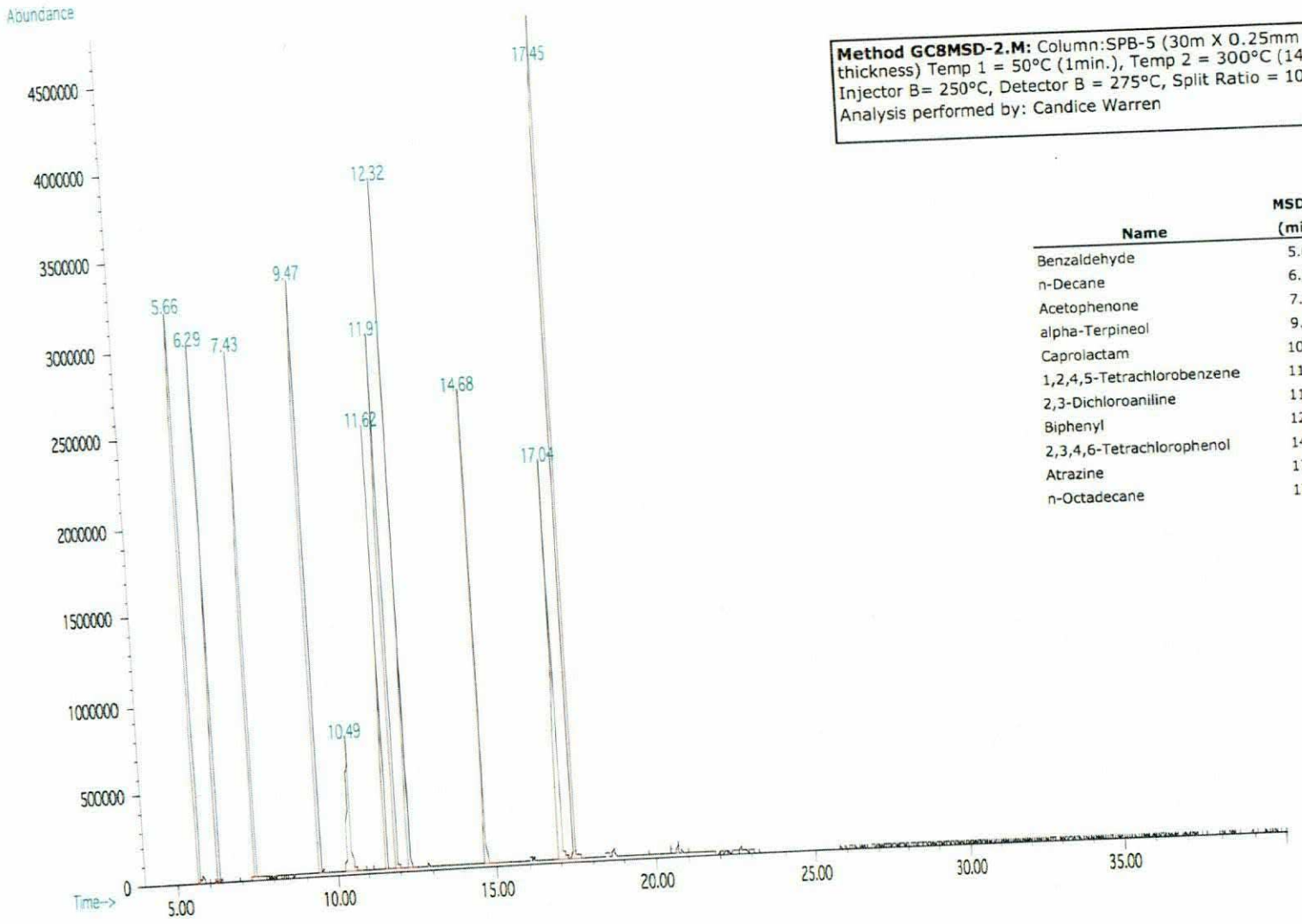
Reviewed By: Pedro L. Rentas 050721 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetophenone	434	04511JX	2000	99	0.2	0.10106	0.10122	2003.1	9.6	98-86-2	N/A	orl-rat 815mg/kg
2. Atrazine	23	BCBZ3835	2000	99.1	0.2	0.10096	0.10120	2004.7	9.6	1912-24-9	5mg/m3	orl-rat 1960mg/kg
3. Benzaldehyde	1707	22496TMV	2000	99.5	0.2	0.10056	0.10073	2003.5	9.5	100-52-7	N/A	orl-rat 1300mg/kg
4. Biphenyl	556	MKBS5244V	2000	99.5	0.2	0.10056	0.10070	2002.9	9.5	92-52-4	0.2 ppm(1mg/m3/8H)	orl-rat 2400mg/kg
5. ε-Caprolactam	1695	MKBK9562V	2000	99	0.5	0.10106	0.10116	2001.9	20.8	105-60-2	1 mg/m3	orl-rat 1210 mg/kg
6. n-Decane	106	00936AA	2000	99	0.2	0.10106	0.10116	2001.9	9.6	124-18-5	N/A	N/A
7. 2,3-Dichloroaniline	1131	05612AI	2000	99	0.2	0.10106	0.10121	2002.9	9.6	608-27-5	N/A	N/A
8. n-Octadecane	971	MKCG6046	2000	100	0.2	0.10005	0.10015	2002.0	9.5	593-45-3	N/A	N/A
9. alpha-Terpineol	1752	GG01	2000	95	0.2	0.10532	0.10545	2002.5	9.8	98-55-5	N/A	N/A
10. 1,2,4,5-Tetrachlorobenzene	274	10408AS	2000	98	0.2	0.10209	0.10220	2002.1	9.6	95-94-3	N/A	orl-rat 1500mg/kg
11. 2,3,4,6-Tetrachlorophenol	477	100317	2000	99.3	0.2	0.10076	0.10095	2003.8	9.5	58-90-2	N/A	orl-rat 140mg/kg

ID #: 13964
Opened:
Semi-Volatile Mix
Expires: 5/7/2026
Rec'd: 6/17/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

TIC: 95230.D



Method GC8MSD-2.M: Column:SPB-5 (30m X 0.25mm ID X 0.25µm film thickness) Temp 1 = 50°C (1min.), Temp 2 = 300°C (14min.), Rate = 10°C/min., Injector B= 250°C, Detector B = 275°C, Split Ratio = 100:1, Scan Rate = 2.
Analysis performed by: Candice Warren

Name	MSD RT (min.)
Benzaldehyde	5.66
n-Decane	6.29
Acetophenone	7.43
alpha-Terpineol	9.47
Caprolactam	10.49
1,2,4,5-Tetrachlorobenzene	11.62
2,3-Dichloroaniline	11.91
Biphenyl	12.32
2,3,4,6-Tetrachlorophenol	14.68
Atrazine	17.04
n-Octadecane	17.45

CHEM SERVICE INC

660 Tower Lane • P.O. Box 599 • West Chester, PA 19381-0599
1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

CERTIFICATE OF ANALYSIS

Mixture #8-Internal Standards

CONCENTRATION	4000ug/ml in Methylene chloride
CATALOG NUMBER	M-PPHC8X12-1ML
LOT NUMBER	11925100
DATE CERTIFIED	06/09/21
EXPIRATION DATE	06/30/23
STORAGE	Store at room temperature (20 - 25 °C).
HANDLING	See Safety Data Sheet
INTENDED USE	For laboratoy use only.
ISO 17034:2016 CERTIFIED	[X]

ID	Analyte	CAS	Weight Analyte (mg)	Lot	Purity	Certified Concentration (ug/mL)
N-11000	Acenaphthene-d10	15067-26-2	804.000	00026778	99.5	3999.9
N-11467	Chrysene-d12	1719-03-5	809.700	00025144	99.5	4028.3
N-10217	1,4-Dichlorobenzene-d4	3855-82-1	804.000	00027328	99.5	3999.9
N-12645	Naphthalene-d8	1146-65-2	807.500	00029881	99.3	4009.2
N-12851	Perylene-d12	1520-96-3	805.100	00024295	99.5	4005.4
N-12856	Phenanthrene-d10	1517-22-2	808.700	00027331	99.0	4003.1

Analytical Test	Value
CONCENTRATION (GC/FID)	VERIFIED

ID #: 13968
Opened:
Mixture #8-Internal Standards
Expires: 6/30/2023
Rec'd: 6/18/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

COA Form
Revision 3 (3/2015)

PJLA Testing
Accreditation #63529

Print Date: 06/14/21

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1-800-452-9994 • 1-610-692-3026 • Fax 1-610-692-8729
info@chemservice.com • www.chemservice.com

Instructions for Use:
Shake mixture prior to use. If particles are present, sonicate for homogeneity. If sample is diluted to lower concentrations, Class A volumetric glassware must be used.
Minimum Sample Size- 0.2 uL for Direct Injection.
Chem Service Inc. guarantees the expanded uncertainty of the above analytes to be +/- 2.0% of the certified concentrations based on gravimetric preparation. The test results published in this report were obtained using equipment capable of producing results that are traceable to NIST and through NIST to the International System of Units (SI). The reported expanded uncertainty of measurement is stated as the combined standard uncertainty of measurement multiplied by the coverage factor k (k=2) such that the coverage probability corresponds to approximately 95%. For certified reference materials, homogeneity and thermal stability testing are available upon request.

Certified By:

Mary Beth O'Donnell

Mary Beth O'Donnell
CSM/TC

PJLA
Testing
Accreditation #63320

CHEM SERVICE INC

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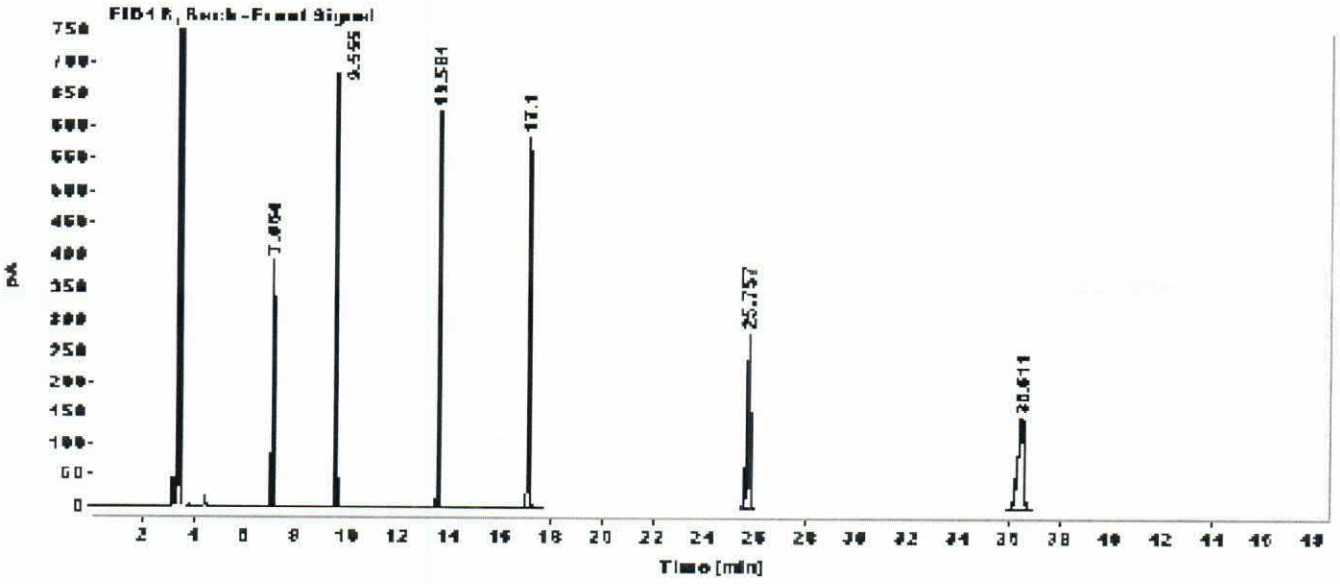
CERTIFICATE OF ANALYSIS

Gas Chromatography / Flame Ionization Detector (GC/FID)

Data file:	C:\CHEM32\1\DATA\2021 DATA\0621\M-PPHC8X12.D		
Sample name:	M-PPHC8X12		
Acq. method:	SCREEN-BACK.M		
Instrument:	GC3	**Location:**	201
Injection date:	6/9/2021 11:56:12 AM	**Injection Vol:**	1.000
Column name:	RTx-5MS (30m x 0.25mm x 0.5µm)	**# Of Injections:**	1



Signal: FID1 B, Back - Front Signal

RT [min]	Type	Width [min]	Area	Height	Area%
7.064	BB	0.0442	1119.2875	393.3396	8.4245
9.555	BV R	0.0512	2239.5649	684.7053	16.8565
13.581	BB	0.0598	2394.9761	624.3607	18.0262
17.100	BB	0.0685	2531.9221	584.9907	19.0569
25.757	BB	0.1314	2450.2429	284.7773	18.4422
36.511	BB	0.2375	2550.0964	149.1623	19.1937
		Sum	13286.0900		

PJLA Testing

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

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Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: S-14500-R2
Description: Custom Semi-Volatile Standard
Lot: 220021255-02
Solvent: Dichloromethane
Hazards: *Refer to SDS for complete safety information*

Signal Word: Warning

Date Certified: Aug 31, 2021
Expiration: Oct 1, 2022
Sample Size: 1 mL
Components: 10
Storage Condition: Freeze (<-10 °C)/Sonicate

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463

ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Pyridine	110-86-1	98.7	2026	2000
4-Chlorophenol	106-48-9	100.0	2019	2019
1-Methylnaphthalene	90-12-0	98.5	2003	1973
N-Nitrosodiphenylamine	86-30-6	100.0	2022	2022
4-Chloro-2-methylphenol	1570-64-5	97.0	2069*	2007
Benzoic acid	65-85-0	99.5	2010	2000
Aniline	62-53-3	98.0	2002	1962
Benzyl alcohol	100-51-6	99.9	2011	2009
Triallate	2303-17-5	99.9	2013	2011
o-Terphenyl	84-15-1	99.9	2019	2017

ID #: 14279
Opened:
Custom Semi-Volatile Standard
Expires: 10/1/2022
Rec'd: 9/16/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

This Certified Reference Material was verified in accordance with ISO/IEC 17025

* Weight compensated to 100% purity.

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

 See reverse side for additional information

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By: Larry Decker, Organic QC Manager

Page 1 of 1

For use in routine laboratory analysis.

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New Haven, CT 06513
USA

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CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/MS)	Prepared Concentration² (µg/mL)	Certified Analyte Concentration¹ (µg/mL)
Benzidine **	92-87-5	99.9	2004	2002
3,3'-Dichlorobenzidine **	91-94-1	100.0	2001	2001

ID #: 12839
Opened:_____
Benzidine & 3,3'-Dichlorobenzidine
Expires: 5/1/2024
Rec'd: 7/7/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

**Benzidine and 3,3'-Dichlorobenzidine are subject to oxidative degradation

**Benzidine and 3,3'-Dichlorobenzidine are subject to oxidative degredation

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

² All weights are traceable through NIST, Test No. 684/289871-17

¹ Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Certified By: _____
Larry Decker, Organic QC Manager

For use in routine laboratory analysis.

AccuStandard is accredited to ISO 17034, ISO/IEC 17025 and certified to ISO 9001:2015

QR-ORG/INO-001
Rev. 5/18

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New Haven, CT 06513
USA

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www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2

T-TEST

AccuStandard, Inc.
Statistical Report for CLP (SOW 1991)
1-May-2020

QR-QCO-003 rev. 1/16

Peak #	Component	Z-014F 220041353 Run #1	Run #2	Run #3	Run #4	Mean	Std Dev	% RSD	Z-014F 220031213 Run #1	Run #2	Run #3	Run #4	Mean	Std Dev	% RSD	NOTES: L-025 test	CI	Component	CI	# of Runs	10 % error check of Conc. means
1	Benzidine (92-87-5)	90	83	79	78	83	5.45	6.60%	84	84	80	76	81	3.83	4.73%	0.45	20.7		21.3	4	2000	2 %
2	3,3'-Dichlorobenzidine (91-94-1)	104	96	93	91	96	5.72	5.95%	98	99	94	89	95	4.27	4.51%	0.55	20.9		15.8	4	2000	1 %

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CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2

Chromatogram

```
File       :D:\MassHunter\GCMS\1\DATA\043020\14-  220041353.D
Operator   : Organic QC Lab
Acquired   : 30 Apr 2020  17:16     using AcqMethod CHICK_2019_S100.M
Instrument :   GCMS 6
Sample Name: Z-014F  (220041353)
Misc Info  : Z-014F @2000ug/mL in Methanol
Vial Number: 138
```

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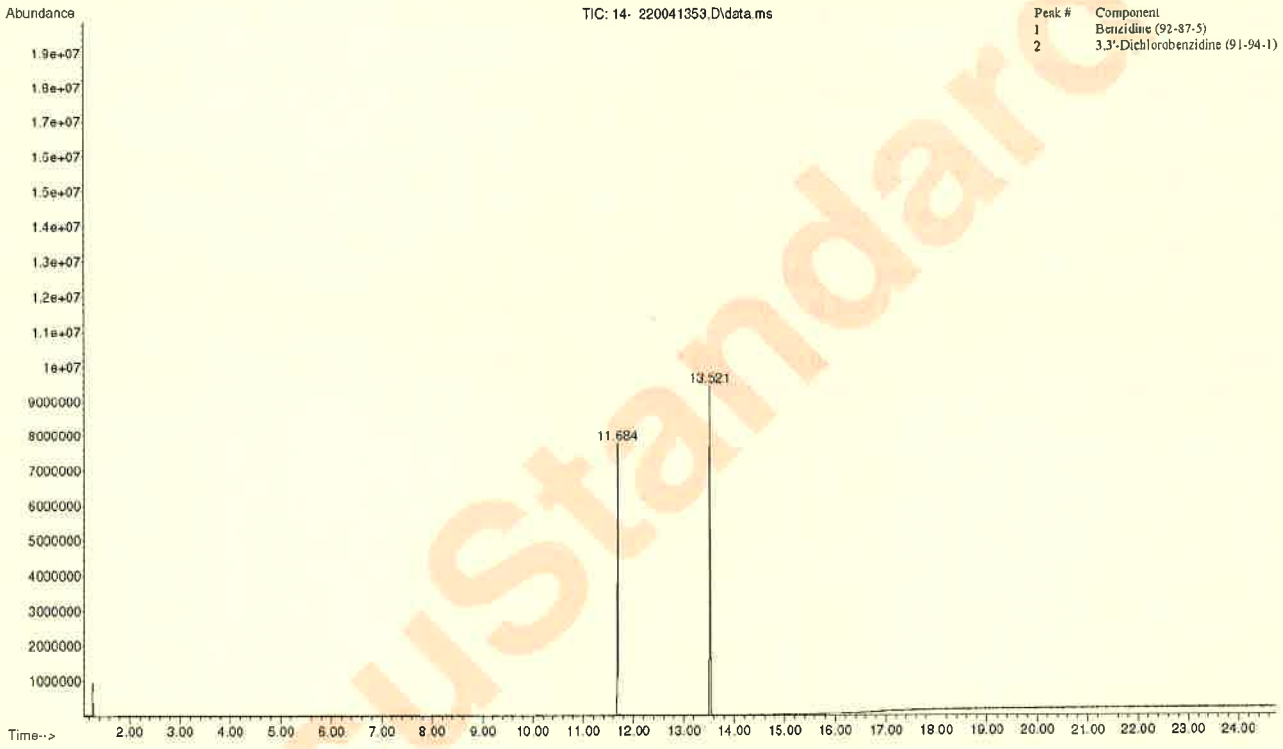
Column: . DB-5MS, 30m, 0.25 ID, 0.25 um
Oven Program: 80c 17c/min to 340c, 8min
GC Parameters: Cons. Split, 12psi constant flow
Split 100:1, 1uL inj.; GC/MS; INJ 270c



Peak #	Component
1	Benzidine (92-87-5)
2	3,3'-Dichlorobenzidine (91-94-1)

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CERTIFICATE OF ANALYSIS

Catalog No: Z-014F
Description: Benzidine & 3,3'-Dichlorobenzidine
Lot: 220041353
Solvent: Methanol

Date Certified: May 1, 2020
Expiration: May 1, 2024
Sample Size: 1 mL
Components: 2

RAW DATA

```
Data Path : D:\MassHunter\GCMS\1\DATA\043020\
Data File : 14-  220041353.D
Acq On    : 30 Apr 20  05:16 pm
Operator  : Organic QC Lab
Sample    : Z-014F  (220041353)
Misc      : Z-014F @2000ug/mL in Methanol
ALS Vial  : 138   Sample Multiplier: 1

Integration Parameters: events.e
Integrator: ChemStation

Method    : D:\MassHunter\GCMS\1\methods\CHICK_2019.M
Title     :

Signal     : TIC: 14-  220041353.D\data.ms
```

Peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	11.684	2371	2386	2399	PV	7555441	90932217	86.94%	46.506%
2	13.521	2790	2799	2825	BB	9071921	104594086	100.00%	53.494%

For use in routine laboratory analysis.

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QR-ORG/INC-001
Rev. 5/18

	Type	Analysis	Sample Name	Sample ID	Origin	Manual Diluti	Result
1	Standard	NPOC	0-20 NPOC_2201	0-20 NPOC_220126B	0-20 NPOC_220126B.2	1.000	

	Notes	Status	Date / Time	Vial
1		Completed	1/26/2022 5:33:05 PM	1, 2, 3, 4, 5,

TOC-V Cal Curve Information
C:¥TOC3201¥CalCurves¥0-20 NPOC_220126B.2022_01_26_15_38_52.cal

Date of Creation 5:33:05 PM 1/26/2022
User DMB
System TOC4-C

Cal. Curve

Sample Name: 0-20 NPOC_220126B
Sample ID: 0-20 NPOC_220126B
Object ID 0A-901000-10101000-13488DE2104A-0000
Cal. Curve: 0-20 NPOC_220126B.cal
Status Completed
Comment:

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	4.248	1250uL	1	*******		1/26/2022 3:47:36 PM
2	4.758	1250uL	1	*******		1/26/2022 3:51:50 PM

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 4.503
SD Area 0.3606
CV Area 8.01%
Vial 1
WetChem Oxid. 1.5mL

Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	57.01	1250uL	1	*******		1/26/2022 4:02:25 PM
2	56.70	1250uL	1	*******		1/26/2022 4:06:49 PM

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 56.86
SD Area 0.2192
CV Area 0.39%
Vial 2
WetChem Oxid. 1.5mL

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	106.9	1250uL	1	*******		1/26/2022 4:17:29 PM
2	107.4	1250uL	1	*******		1/26/2022 4:21:36 PM

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 107.2
SD Area 0.3536
CV Area 0.33%
Vial 3
WetChem Oxid. 1.5mL

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	511.6	1250uL	1	*******		1/26/2022 4:32:48 PM
2	512.8	1250uL	1	*******		1/26/2022 4:36:58 PM

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 512.2
SD Area 0.8485
CV Area 0.17%
Vial 4
WetChem Oxid. 1.5mL

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1047	1250uL	1	*******		1/26/2022 4:49:06 PM
2	1033	1250uL	1	*******		1/26/2022 4:53:37 PM

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 1040
SD Area 9.899
CV Area 0.95%
Vial 5
WetChem Oxid. 1.5mL

Conc: 15.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1522	1250uL	1	*******	E	1/26/2022 5:04:56 PM
2	1581	1250uL	1	*******		1/26/2022 5:10:44 PM
3	1578	1250uL	1	*******		1/26/2022 5:16:11 PM

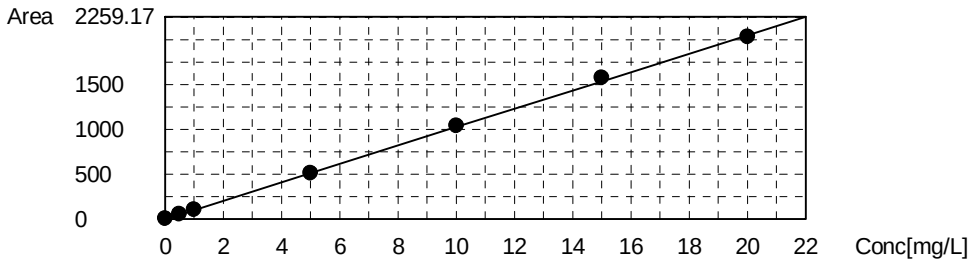
Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 1580
SD Area 2.121
CV Area 0.13%
Vial 6
WetChem Oxid. 1.5mL

Conc: 20.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2044	1250uL	1	*******		1/26/2022 5:28:13 PM
2	2026	1250uL	1	*******		1/26/2022 5:33:05 PM

Acid Add. 3.000%
Sp. Time 180.0sec
Mean Area 2035
SD Area 12.73
CV Area 0.63%
Vial 7
WetChem Oxid. 1.5mL

Slope: 102.7
Intercept 0.000
r^2 0.9995
r 0.9998
Zero Shift Yes



Energy Laboratories, Inc.

ANALYTICAL RUN Summary

28-Jan-22

Run ID TOC4-C_220127A

Run Start Date: 1/27/2022
Analyst: Nils T. Schenck
Ical:
Column ID:
Comments: Ready for David Brunner

Instrument ID	Description
PIP-113	500 uL pipette
PIP-114	1000 uL Pipette
PIP-119	10-100 uL adjustable pipette
PIP-122	5 mL Pipette
PIP-128	
PIP-133	10 mL Dispenser/H2O for TOC/DOC-Wet Lab
TOC4-C	Total organic carbon analyzer

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
Na Persulfate 12% 211108	Sodium Persulfate 12%						11/8/2022
NTS AQ DOC A5310C DOC 09	NTS AQ DOC A5310C DOC 092221						8/22/2022
NTS AQ TOC A5310C DOC 09	NTS AQ TOC A5310C DOC 092321						8/23/2022
Phosphoric Acid 201124	Phosphoric Acid 20%						1/8/2023
Phosphoric Water 211108	Phosphoric Water						1/8/2023
TOC4_ICAL_220127	TOC4 Calibration					ICAL	9/28/2022

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423208	LCS	C-TOC-W	LCS		1/27/2022 9:45:2	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	4.961	4.961		5	0	0	0.17	0.5	20	99%	91	111	0%	
Nonpurgeable Organic Carbon	X	mg/L	4.961	4.961		5	0	0	0.17	0.5	20	99%	91	111	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423209	MBLK	C-TOC-W	MBLK		1/27/2022 9:59:5	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	0.02244	0		0	0	0	0.17	0.5	20	0%	0	0	0%	
Nonpurgeable Organic Carbon	X	mg/L	0.02244	0		0	0	0	0.17	0.5	20	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423210	CCV	C-TOC-W	CCV		1/27/2022 10:19:	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423210	CCV	C-TOC-W	CCV		1/27/2022 10:19:	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	4.837	4.837		5	0	0	0.17	0.5	20	97%	90	110	0%	
Nonpurgeable Organic Carbon	X	mg/L	4.837	4.837		5	0	0	0.17	0.5	20	97%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423211	0 PPM	C-TOC-W	ICAL1		1/27/2022 10:33:	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	0.01817	0.01817		0	0	0	0.17	0.5	20	0%	0	0	0%	
Nonpurgeable Organic Carbon	X	mg/L	0.01817	0.01817		0	0	0	0.17	0.5	20	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423212	0.5 PPM	C-TOC-W	ICAL2		1/27/2022 10:52:	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	0.5732	0.5732		0.5	0	0	0.17	0.5	20	115%	80	120	0%	
Nonpurgeable Organic Carbon	X	mg/L	0.5732	0.5732		0.5	0	0	0.17	0.5	20	115%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423213	1 PPM	C-TOC-W	ICAL3		1/27/2022 11:07:	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	1.09	1.09		1	0	0	0.17	0.5	20	109%	90	110	0%	
Nonpurgeable Organic Carbon	X	mg/L	1.09	1.09		1	0	0	0.17	0.5	20	109%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423214	5 PPM	C-TOC-W	ICAL4		1/27/2022 11:22:	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	5.019	5.019		5	0	0	0.17	0.5	20	100%	90	110	0%	
Nonpurgeable Organic Carbon	X	mg/L	5.019	5.019		5	0	0	0.17	0.5	20	100%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423215	10 PPM	C-TOC-W	ICAL5		1/27/2022 11:38:	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	10.04	10.04		10	0	0	0.17	0.5	20	100%	90	110	0%	
Nonpurgeable Organic Carbon	X	mg/L	10.04	10.04		10	0	0	0.17	0.5	20	100%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423216	15 PPM	C-TOC-W	ICAL6		1/27/2022 11:55:	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	15.28	15.28		15	0	0	0.17	0.5	20	102%	90	110	0%	
Nonpurgeable Organic Carbon	X	mg/L	15.28	15.28		15	0	0	0.17	0.5	20	102%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423217	20 PPM	C-TOC-W	ICAL7		1/27/2022 12:12:	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	20.31	20.31		20	0	0	0.17	0.5	20	102%	90	110	0%	
Nonpurgeable Organic Carbon	X	mg/L	20.31	20.31		20	0	0	0.17	0.5	20	102%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423218	CCV	C-TOC-W	CCV		1/27/2022 12:30:	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	4.931	4.931		5	0	0	0.17	0.5	20	99%	90	110	0%	
Nonpurgeable Organic Carbon	X	mg/L	4.931	4.931		5	0	0	0.17	0.5	20	99%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8423219	CCB	C-TOC-W	CCB		1/27/2022 12:44:	1	R279097		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	0.02391	0.02391		0	0	0	0.17	0.5	20	0%	0	0	0%	
Nonpurgeable Organic Carbon	X	mg/L	0.02391	0.02391		0	0	0	0.17	0.5	20	0%	0	0	0%	

	Type	Analysis	Sample Name	Sample ID	Origin	Manual Diluti	Result
1	Unknown	NPOC	C-TOC-W	LCS	NPOC Method.met	1.000	NPOC:4.961m
2	Unknown	NPOC	C-TOC-W	MBLK	NPOC Method.met	1.000	NPOC:0.0224
3	Unknown	NPOC	C-TOC-W	CCV	NPOC Method.met	1.000	NPOC:4.837m
4	Unknown	NPOC	C-TOC-W	0 PPM	NPOC Method.met	1.000	NPOC:0.0181
5	Unknown	NPOC	C-TOC-W	0.5 PPM	NPOC Method.met	1.000	NPOC:0.5732
6	Unknown	NPOC	C-TOC-W	1 PPM	NPOC Method.met	1.000	NPOC:1.090m
7	Unknown	NPOC	C-TOC-W	5 PPM	NPOC Method.met	1.000	NPOC:5.019m
8	Unknown	NPOC	C-TOC-W	10 PPM	NPOC Method.met	1.000	NPOC:10.04m
9	Unknown	NPOC	C-TOC-W	15 PPM	NPOC Method.met	1.000	NPOC:15.28m
10	Unknown	NPOC	C-TOC-W	20 PPM	NPOC Method.met	1.000	NPOC:20.31m
11	Unknown	NPOC	C-TOC-W	CCV	NPOC Method.met	1.000	NPOC:4.931m
12	Unknown	NPOC	C-TOC-W	CCB	NPOC Method.met	1.000	NPOC:0.0239

	Notes	Status	Date / Time	Vial
1		Completed	1/27/2022 9:49:48 AM	1
2		Completed	1/27/2022 10:08:27 AM	2
3		Completed	1/27/2022 10:23:27 AM	3
4		Completed	1/27/2022 10:42:04 AM	4
5		Completed	1/27/2022 10:56:58 AM	5
6		Completed	1/27/2022 11:11:56 AM	6
7		Completed	1/27/2022 11:27:20 AM	7
8		Completed	1/27/2022 11:42:58 AM	8
9		Completed	1/27/2022 12:00:31 PM	9
10		Completed	1/27/2022 12:18:50 PM	10
11		Completed	1/27/2022 12:34:16 PM	11
12		Completed	1/27/2022 12:52:55 PM	12

Instr.Information

System TOC4-C
Instrument Options TOC/ASI/

Sample

Sample Name: C-TOC-W
Sample ID: LCS
Origin: NPOC Method.met
Status Completed
Chk. Result

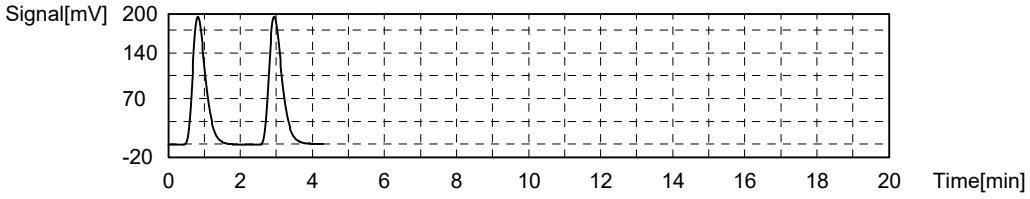
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.961mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	505.6	4.924mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 9:45:29 AM
2	513.2	4.998mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 9:49:48 AM

Mean Area 509.4
Mean Conc. 4.961mg/L



Sample

Sample Name: C-TOC-W
Sample ID: MBLK
Origin: NPOC Method.met
Status Completed
Chk. Result

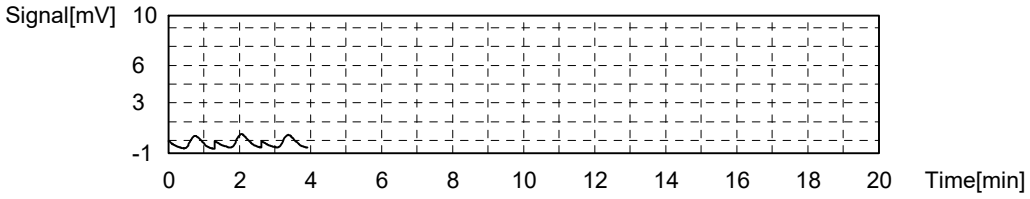
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.02244mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.312	0.02251mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 9:59:57 AM
2	2.462	0.02398mg/L	1250uL	1	E	0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 10:04:13 AM
3	2.296	0.02236mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 10:08:27 AM

Mean Area 2.304
Mean Conc. 0.02244mg/L



Sample

Sample Name: C-TOC-W
Sample ID: CCV
Origin: NPOC Method.met
Status Completed
Chk. Result

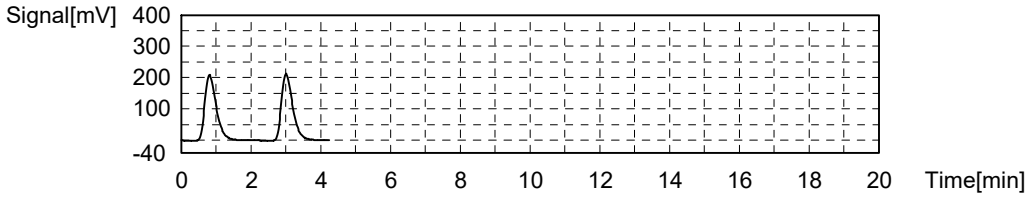
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.837mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	496.2	4.832mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 10:19:17 AM
2	497.3	4.843mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 10:23:27 AM

Mean Area 496.8
Mean Conc. 4.837mg/L



Sample

Sample Name: C-TOC-W
Sample ID: 0 PPM
Origin: NPOC Method.met
Status Completed
Chk. Result

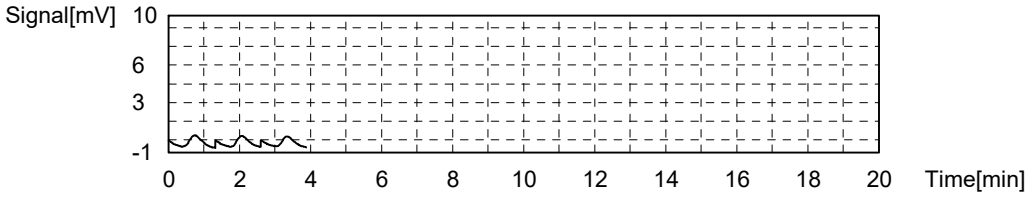
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.01817mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.180	0.02123mg/L	1250uL	1	E	0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 10:33:37 AM
2	1.911	0.01861mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 10:37:50 AM
3	1.820	0.01772mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 10:42:04 AM

Mean Area 1.865
Mean Conc. 0.01817mg/L



Sample

Sample Name: C-TOC-W
Sample ID: 0.5 PPM
Origin: NPOC Method.met
Status Completed
Chk. Result

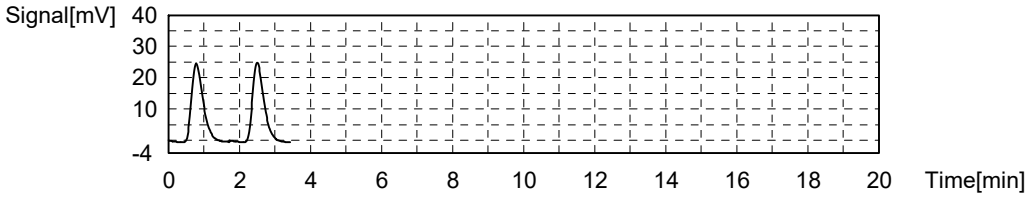
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.5732mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	59.21	0.5766mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 10:52:25 AM
2	58.51	0.5698mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 10:56:58 AM

Mean Area 58.86
Mean Conc. 0.5732mg/L



Sample

Sample Name: C-TOC-W
Sample ID: 1 PPM
Origin: NPOC Method.met
Status Completed
Chk. Result

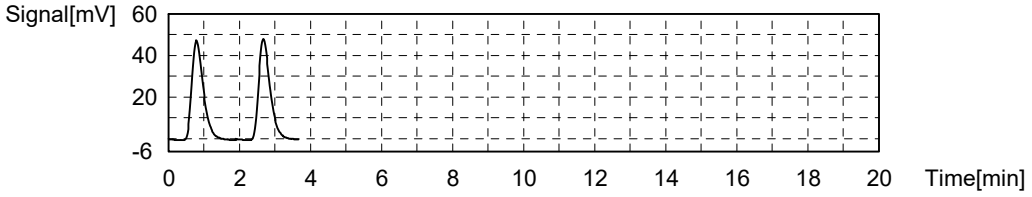
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.090mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	112.2	1.093mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 11:07:42 AM
2	111.6	1.087mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 11:11:56 AM

Mean Area 111.9
Mean Conc. 1.090mg/L



Sample

Sample Name: C-TOC-W
Sample ID: 5 PPM
Origin: NPOC Method.met
Status Completed
Chk. Result

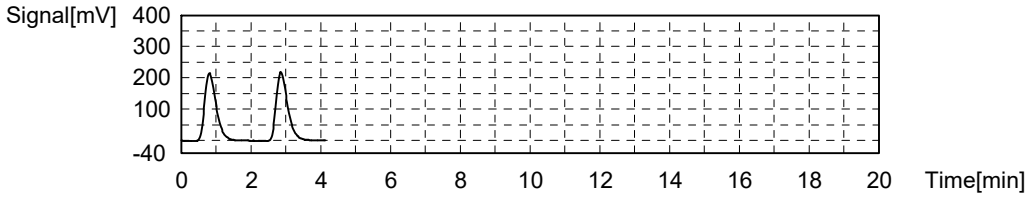
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.019mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	512.6	4.992mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 11:22:50 AM
2	518.3	5.047mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 11:27:20 AM

Mean Area 515.5
Mean Conc. 5.019mg/L



Sample

Sample Name: C-TOC-W
Sample ID: 10 PPM
Origin: NPOC Method.met
Status Completed
Chk. Result

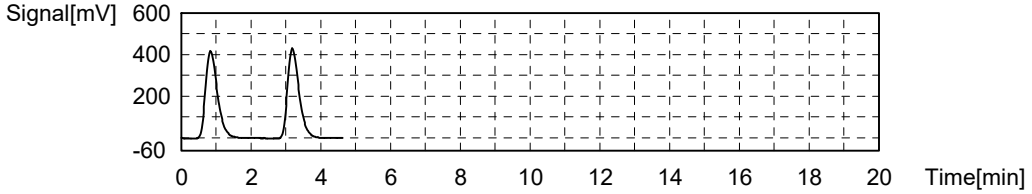
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:10.04mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1031	10.04mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 11:38:32 AM
2	1032	10.05mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 11:42:58 AM

Mean Area 1032
Mean Conc. 10.04mg/L



Sample

Sample Name: C-TOC-W
Sample ID: 15 PPM
Origin: NPOC Method.met
Status Completed
Chk. Result

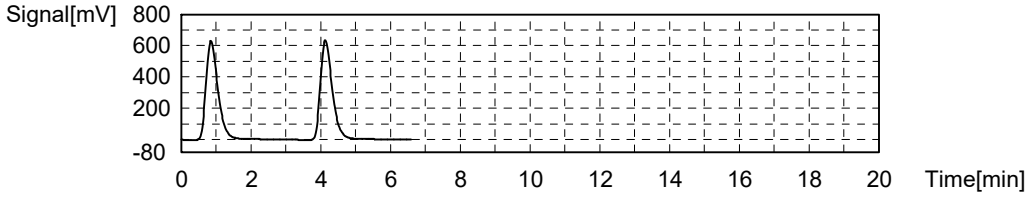
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:15.28mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	1568	15.27mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 11:55:06 AM
2	1570	15.29mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 12:00:31 PM

Mean Area 1569
Mean Conc. 15.28mg/L



Sample

Sample Name: C-TOC-W
Sample ID: 20 PPM
Origin: NPOC Method.met
Status Completed
Chk. Result

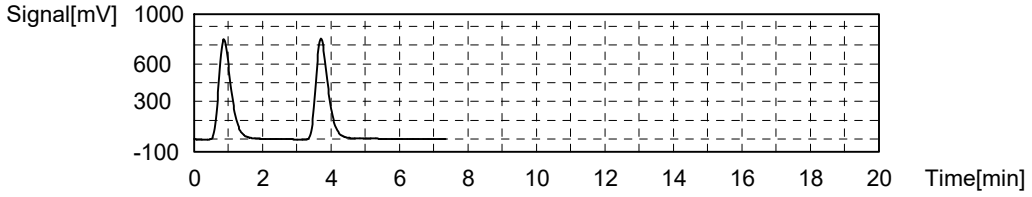
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:20.31mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2058	20.04mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 12:12:12 PM
2	2114	20.59mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 12:18:50 PM

Mean Area 2086
Mean Conc. 20.31mg/L



Sample

Sample Name: C-TOC-W
Sample ID: CCV
Origin: NPOC Method.met
Status Completed
Chk. Result

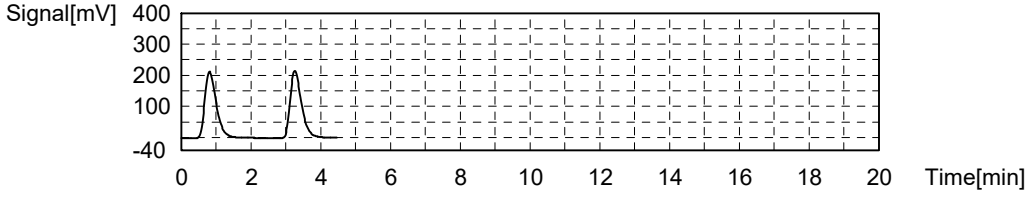
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.931mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	510.7	4.973mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 12:30:08 PM
2	502.1	4.889mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 12:34:16 PM

Mean Area 506.4
Mean Conc. 4.931mg/L



Sample

Sample Name: C-TOC-W
Sample ID: CCB
Origin: NPOC Method.met
Status Completed
Chk. Result

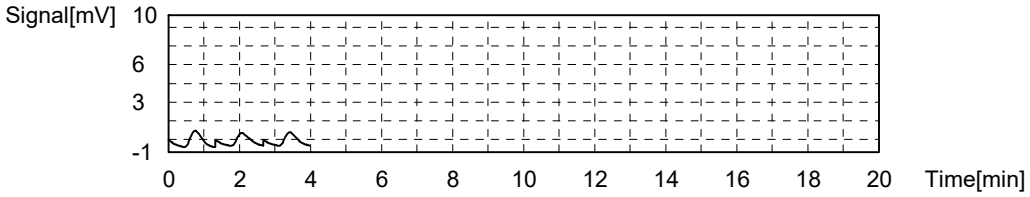
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.02391mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	2.914	0.02838mg/L	1250uL	1	E	0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 12:44:26 PM
2	2.475	0.02410mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 12:48:43 PM
3	2.436	0.02372mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	1/27/2022 12:52:55 PM

Mean Area 2.455
Mean Conc. 0.02391mg/L



Energy Laboratories, Inc.

ANALYTICAL RUN Summary

10-Feb-22

Run ID TOC4-C_220209A

Run Start Date: 2/9/2022
Analyst: Nils T. Schenck
Ical:
Column ID:
Comments: Ready for Donny

Instrument ID	Description
PIP-128	
PIP-133	10 mL Dispenser/H2O for TOC/DOC-Wet Lab
TOC4-C	Total organic carbon analyzer

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
Na Persulfate 12% 211108	Sodium Persulfate 12%						11/8/2022
NTS AQ DOC A5310C DOC 09	NTS AQ DOC A5310C DOC 092221						8/22/2022
NTS AQ TOC A5310C DOC 09	NTS AQ TOC A5310C DOC 092321						8/23/2022
Phosphoric Acid 201124	Phosphoric Acid 20%						1/8/2023
Phosphoric Water 211108	Phosphoric Water						1/8/2023
TOC4_ICAL_220127	TOC4 Calibration					ICAL	9/28/2022

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433276	LCS	C-TOC-9060-W	LCS		2/9/2022 3:49:00	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	4.983	4.983		5	0	0	0.17	0.5	20	100%	91	111	0%	
Nonpurgeable Organic Carbon	X	mg/L	4.983	4.983		5	0	0	0.17	0.5	20	100%	91	111	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433277	MBLK	C-TOC-9060-W	MBLK		2/9/2022 4:29:00	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	0.06858	0		0	0	0	0.17	0.5	20	0%	0	0	0%	
Nonpurgeable Organic Carbon	X	mg/L	0.06858	0		0	0	0	0.17	0.5	20	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433278	CCV	C-TOC-9060-W	CCV		2/9/2022 5:08:00	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

1

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433278	CCV	C-TOC-9060-W	CCV		2/9/2022 5:08:00	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	4.776	4.776		5	0	0	0.17	0.5	20	96%	90	110	0%	
Nonpurgeable Organic Carbon	X	mg/L	4.776	4.776		5	0	0	0.17	0.5	20	96%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433279	C22020308-001	C-TOC-9060-W	SAMP		2/9/2022 5:48:00	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	0.676375	0.676375		0	0	0	0.17	0.5	20	0%	0	0	0%	
Nonpurgeable Organic Carbon	X	mg/L	0.676375	0.676375		0	0	0	0.17	0.5	20	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433280	C22020308-001	C-TOC-9060-W	MS		2/9/2022 6:30:00	1.005	R279590		8E+06	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	5.4305	5.4576525		5	0.676375	0	0.17085	0.5025	20	96%	91	111	0%	
Nonpurgeable Organic Carbon	X	mg/L	5.4305	5.4576525		5	0.676375	0	0.17085	0.5025	20	96%	91	111	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433281	C22020308-001	C-TOC-9060-W	MSD		2/9/2022 7:13:00	1.005	R279590		8E+06	8E+06	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	5.43625	5.46343125		5	0.676375	5.4576525	0.17085	0.5025	20	96%	91	111	0%	
Nonpurgeable Organic Carbon	X	mg/L	5.43625	5.46343125		5	0.676375	5.4576525	0.17085	0.5025	20	96%	91	111	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433282	C22020308-006	C-TOC-9060-W	SAMP		2/9/2022 7:56:00	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	1.6085	1.6085		0	0	0	0.17	0.5	20	0%	0	0	0%	
Nonpurgeable Organic Carbon	X	mg/L	1.6085	1.6085		0	0	0	0.17	0.5	20	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433283	C22020308-011	C-TOC-9060-W	SAMP		2/9/2022 8:38:00	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	0.293825	0.293825		0	0	0	0.17	0.5	20	0%	0	0	0%	J
Nonpurgeable Organic Carbon	X	mg/L	0.293825	0.293825		0	0	0	0.17	0.5	20	0%	0	0	0%	J

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433284	C22020308-017	C-TOC-9060-W	SAMP		2/9/2022 9:19:00	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	0.41955	0.41955		0	0	0	0.17	0.5	20	0%	0	0	0%	J
Nonpurgeable Organic Carbon	X	mg/L	0.41955	0.41955		0	0	0	0.17	0.5	20	0%	0	0	0%	J

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433285	C22020308-022	C-TOC-9060-W	SAMP		2/9/2022 10:01:0	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	0.315625	0.315625		0	0	0	0.17	0.5	20	0%	0	0	0%	J
Nonpurgeable Organic Carbon	X	mg/L	0.315625	0.315625		0	0	0	0.17	0.5	20	0%	0	0	0%	J

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433286	C22020308-027	C-TOC-9060-W	SAMP		2/9/2022 10:41:0	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	0.4009	0.4009		0	0	0	0.17	0.5	20	0%	0	0	0%	J
Nonpurgeable Organic Carbon	X	mg/L	0.4009	0.4009		0	0	0	0.17	0.5	20	0%	0	0	0%	J

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433287	C22020308-032	C-TOC-9060-W	SAMP		2/9/2022 11:23:0	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	0.2357	0.2357		0	0	0	0.17	0.5	20	0%	0	0	0%	J
Nonpurgeable Organic Carbon	X	mg/L	0.2357	0.2357		0	0	0	0.17	0.5	20	0%	0	0	0%	J

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433288	CCV	C-TOC-9060-W	CCV		2/10/2022 12:03:	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	4.799	4.799		5	0	0	0.17	0.5	20	96%	90	110	0%	
Nonpurgeable Organic Carbon	X	mg/L	4.799	4.799		5	0	0	0.17	0.5	20	96%	90	110	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
8433289	CCB	C-TOC-9060-W	CCB		2/10/2022 12:43:	1	R279590		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Organic Carbon, Total (TOC)	C	mg/L	0.038325	0.038325		0	0	0	0.17	0.5	20	0%	0	0	0%	
Nonpurgeable Organic Carbon	X	mg/L	0.038325	0.038325		0	0	0	0.17	0.5	20	0%	0	0	0%	

	Type	Analysis	Sample Name	Sample ID	Origin	Manual Diluti	Result
1	Unknown	NPOC	C-TOC-9060-W	LCS	C-TOC-9060-W.met	1.000	NPOC:5.076m
2	Unknown	NPOC	C-TOC-9060-W	LCS	C-TOC-9060-W.met	1.000	NPOC:4.958m
3	Unknown	NPOC	C-TOC-9060-W	LCS	C-TOC-9060-W.met	1.000	NPOC:4.935m
4	Unknown	NPOC	C-TOC-9060-W	LCS	C-TOC-9060-W.met	1.000	NPOC:4.963m
5	Unknown	NPOC	C-TOC-9060-W	MBLK	C-TOC-9060-W.met	1.000	NPOC:0.0987
6	Unknown	NPOC	C-TOC-9060-W	MBLK	C-TOC-9060-W.met	1.000	NPOC:0.0976
7	Unknown	NPOC	C-TOC-9060-W	MBLK	C-TOC-9060-W.met	1.000	NPOC:0.0392
8	Unknown	NPOC	C-TOC-9060-W	MBLK	C-TOC-9060-W.met	1.000	NPOC:0.0386
9	Unknown	NPOC	C-TOC-9060-W	CCV	C-TOC-9060-W.met	1.000	NPOC:4.777m
10	Unknown	NPOC	C-TOC-9060-W	CCV	C-TOC-9060-W.met	1.000	NPOC:4.763m
11	Unknown	NPOC	C-TOC-9060-W	CCV	C-TOC-9060-W.met	1.000	NPOC:4.779m
12	Unknown	NPOC	C-TOC-9060-W	CCV	C-TOC-9060-W.met	1.000	NPOC:4.785m
13	Unknown	NPOC	C-TOC-9060-W	C22020308-001E	C-TOC-9060-W.met	1.000	NPOC:0.6676
14	Unknown	NPOC	C-TOC-9060-W	C22020308-001E	C-TOC-9060-W.met	1.000	NPOC:0.6786
15	Unknown	NPOC	C-TOC-9060-W	C22020308-001E	C-TOC-9060-W.met	1.000	NPOC:0.6911
16	Unknown	NPOC	C-TOC-9060-W	C22020308-001E	C-TOC-9060-W.met	1.000	NPOC:0.6682
17	Unknown	NPOC	C-TOC-9060-W	C22020308-001EMS	C-TOC-9060-W.met	1.000	NPOC:5.447m
18	Unknown	NPOC	C-TOC-9060-W	C22020308-001EMS	C-TOC-9060-W.met	1.000	NPOC:5.471m
19	Unknown	NPOC	C-TOC-9060-W	C22020308-001EMS	C-TOC-9060-W.met	1.000	NPOC:5.402m
20	Unknown	NPOC	C-TOC-9060-W	C22020308-001EMS	C-TOC-9060-W.met	1.000	NPOC:5.402m
21	Unknown	NPOC	C-TOC-9060-W	C22020308-001EMSD	C-TOC-9060-W.met	1.000	NPOC:5.451m
22	Unknown	NPOC	C-TOC-9060-W	C22020308-001EMSD	C-TOC-9060-W.met	1.000	NPOC:5.455m
23	Unknown	NPOC	C-TOC-9060-W	C22020308-001EMSD	C-TOC-9060-W.met	1.000	NPOC:5.434m
24	Unknown	NPOC	C-TOC-9060-W	C22020308-001EMSD	C-TOC-9060-W.met	1.000	NPOC:5.405m
25	Unknown	NPOC	C-TOC-9060-W	C22020308-006E	C-TOC-9060-W.met	1.000	NPOC:1.462m
26	Unknown	NPOC	C-TOC-9060-W	C22020308-006E	C-TOC-9060-W.met	1.000	NPOC:1.662m
27	Unknown	NPOC	C-TOC-9060-W	C22020308-006E	C-TOC-9060-W.met	1.000	NPOC:1.673m
28	Unknown	NPOC	C-TOC-9060-W	C22020308-006E	C-TOC-9060-W.met	1.000	NPOC:1.637m
29	Unknown	NPOC	C-TOC-9060-W	C22020308-011E	C-TOC-9060-W.met	1.000	NPOC:0.3322
30	Unknown	NPOC	C-TOC-9060-W	C22020308-011E	C-TOC-9060-W.met	1.000	NPOC:0.2916
31	Unknown	NPOC	C-TOC-9060-W	C22020308-011E	C-TOC-9060-W.met	1.000	NPOC:0.2769
32	Unknown	NPOC	C-TOC-9060-W	C22020308-011E	C-TOC-9060-W.met	1.000	NPOC:0.2746
33	Unknown	NPOC	C-TOC-9060-W	C22020308-017E	C-TOC-9060-W.met	1.000	NPOC:0.4179
34	Unknown	NPOC	C-TOC-9060-W	C22020308-017E	C-TOC-9060-W.met	1.000	NPOC:0.4130
35	Unknown	NPOC	C-TOC-9060-W	C22020308-017E	C-TOC-9060-W.met	1.000	NPOC:0.4296
36	Unknown	NPOC	C-TOC-9060-W	C22020308-017E	C-TOC-9060-W.met	1.000	NPOC:0.4177
37	Unknown	NPOC	C-TOC-9060-W	C22020308-022E	C-TOC-9060-W.met	1.000	NPOC:0.3214
38	Unknown	NPOC	C-TOC-9060-W	C22020308-022E	C-TOC-9060-W.met	1.000	NPOC:0.3089
39	Unknown	NPOC	C-TOC-9060-W	C22020308-022E	C-TOC-9060-W.met	1.000	NPOC:0.3189
40	Unknown	NPOC	C-TOC-9060-W	C22020308-022E	C-TOC-9060-W.met	1.000	NPOC:0.3133
41	Unknown	NPOC	C-TOC-9060-W	C22020308-027E	C-TOC-9060-W.met	1.000	NPOC:0.3942
42	Unknown	NPOC	C-TOC-9060-W	C22020308-027E	C-TOC-9060-W.met	1.000	NPOC:0.4039
43	Unknown	NPOC	C-TOC-9060-W	C22020308-027E	C-TOC-9060-W.met	1.000	NPOC:0.3970
44	Unknown	NPOC	C-TOC-9060-W	C22020308-027E	C-TOC-9060-W.met	1.000	NPOC:0.4085
45	Unknown	NPOC	C-TOC-9060-W	C22020308-032E	C-TOC-9060-W.met	1.000	NPOC:0.2481
46	Unknown	NPOC	C-TOC-9060-W	C22020308-032E	C-TOC-9060-W.met	1.000	NPOC:0.2448
47	Unknown	NPOC	C-TOC-9060-W	C22020308-032E	C-TOC-9060-W.met	1.000	NPOC:0.2328
48	Unknown	NPOC	C-TOC-9060-W	C22020308-032E	C-TOC-9060-W.met	1.000	NPOC:0.2171
49	Unknown	NPOC	C-TOC-9060-W	CCV	C-TOC-9060-W.met	1.000	NPOC:4.786m
50	Unknown	NPOC	C-TOC-9060-W	CCV	C-TOC-9060-W.met	1.000	NPOC:4.789m
51	Unknown	NPOC	C-TOC-9060-W	CCV	C-TOC-9060-W.met	1.000	NPOC:4.834m
52	Unknown	NPOC	C-TOC-9060-W	CCV	C-TOC-9060-W.met	1.000	NPOC:4.787m
53	Unknown	NPOC	C-TOC-9060-W	CCB	C-TOC-9060-W.met	1.000	NPOC:0.0406
54	Unknown	NPOC	C-TOC-9060-W	CCB	C-TOC-9060-W.met	1.000	NPOC:0.0370
55	Unknown	NPOC	C-TOC-9060-W	CCB	C-TOC-9060-W.met	1.000	NPOC:0.0378
56	Unknown	NPOC	C-TOC-9060-W	CCB	C-TOC-9060-W.met	1.000	NPOC:0.0378

	Notes	Status	Date / Time	Vial
1		Completed	2/9/2022 3:49:35 PM	1
2		Completed	2/9/2022 3:58:59 PM	1
3		Completed	2/9/2022 4:09:52 PM	2
4		Completed	2/9/2022 4:19:16 PM	2
5		Completed	2/9/2022 4:29:31 PM	3
6		Completed	2/9/2022 4:38:22 PM	3
7		Completed	2/9/2022 4:48:34 PM	4
8		Completed	2/9/2022 4:57:18 PM	4
9		Completed	2/9/2022 5:08:01 PM	5
10		Completed	2/9/2022 5:17:21 PM	5
11		Completed	2/9/2022 5:28:08 PM	6
12		Completed	2/9/2022 5:37:28 PM	6
13		Completed	2/9/2022 5:48:32 PM	7
14		Completed	2/9/2022 5:58:16 PM	7
15		Completed	2/9/2022 6:09:37 PM	8
16		Completed	2/9/2022 6:19:17 PM	8
17		Completed	2/9/2022 6:30:46 PM	9
18		Completed	2/9/2022 6:40:46 PM	9
19		Completed	2/9/2022 6:52:07 PM	10
20		Completed	2/9/2022 7:02:04 PM	10
21		Completed	2/9/2022 7:13:25 PM	11
22		Completed	2/9/2022 7:23:20 PM	11
23		Completed	2/9/2022 7:34:42 PM	12
24		Completed	2/9/2022 7:44:40 PM	12
25		Completed	2/9/2022 7:56:13 PM	13
26		Completed	2/9/2022 8:06:24 PM	13
27		Completed	2/9/2022 8:18:05 PM	14
28		Completed	2/9/2022 8:28:20 PM	14
29		Completed	2/9/2022 8:38:58 PM	15
30		Completed	2/9/2022 8:48:01 PM	15
31		Completed	2/9/2022 8:58:31 PM	16
32		Completed	2/9/2022 9:07:32 PM	16
33		Completed	2/9/2022 9:19:06 PM	17
34		Completed	2/9/2022 9:29:12 PM	17
35		Completed	2/9/2022 9:40:52 PM	18
36		Completed	2/9/2022 9:50:59 PM	18
37		Completed	2/9/2022 10:01:42 PM	19
38		Completed	2/9/2022 10:10:51 PM	19
39		Completed	2/9/2022 10:21:29 PM	20
40		Completed	2/9/2022 10:30:40 PM	20
41		Completed	2/9/2022 10:41:51 PM	21
42		Completed	2/9/2022 10:51:29 PM	21
43		Completed	2/9/2022 11:02:32 PM	22
44		Completed	2/9/2022 11:12:14 PM	22
45		Completed	2/9/2022 11:23:07 PM	23
46		Completed	2/9/2022 11:32:32 PM	23
47		Completed	2/9/2022 11:43:23 PM	24
48		Completed	2/9/2022 11:52:47 PM	24
49		Completed	2/10/2022 12:03:42 AM	25
50		Completed	2/10/2022 12:13:05 AM	25
51		Completed	2/10/2022 12:23:56 AM	26
52		Completed	2/10/2022 12:33:18 AM	26
53		Completed	2/10/2022 12:43:31 AM	27
54		Completed	2/10/2022 12:52:14 AM	27
55		Completed	2/10/2022 1:02:26 AM	28
56		Completed	2/10/2022 1:11:10 AM	28

Instr.Information

System TOC4-C
Instrument Options TOC/ASI/

Sample

Sample Name: C-TOC-9060-W
Sample ID: LCS
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

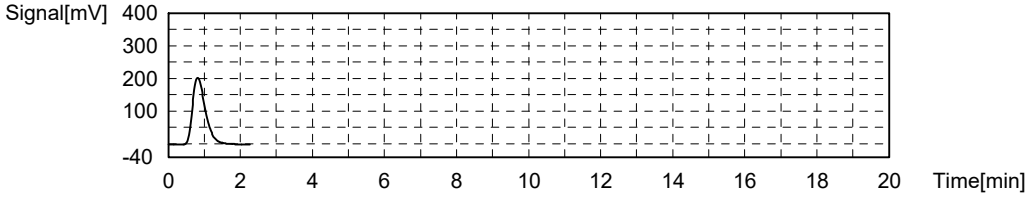
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.076mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	521.3	5.076mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 3:49:35 PM

Mean Area 521.3
Mean Conc. 5.076mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: LCS
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

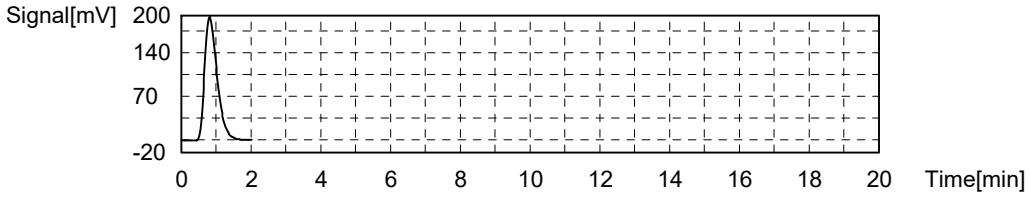
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.958mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	509.1	4.958mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 3:58:59 PM

Mean Area 509.1
Mean Conc. 4.958mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: LCS
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

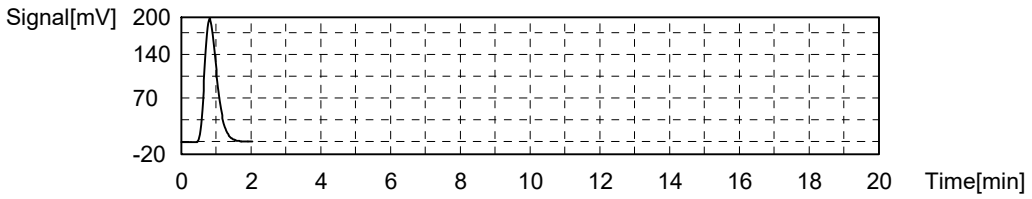
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.935mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	506.8	4.935mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 4:09:52 PM

Mean Area 506.8
Mean Conc. 4.935mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: LCS
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

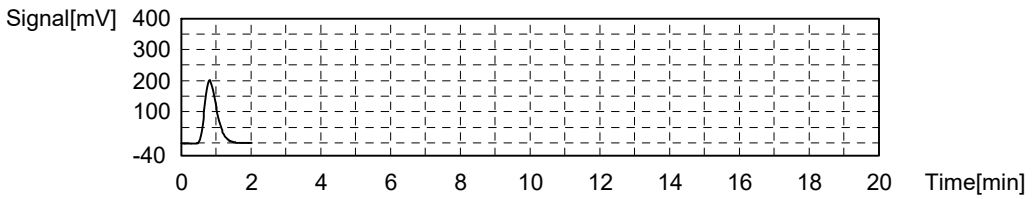
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.963mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	509.6	4.963mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 4:19:16 PM

Mean Area 509.6
Mean Conc. 4.963mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: MBLK
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

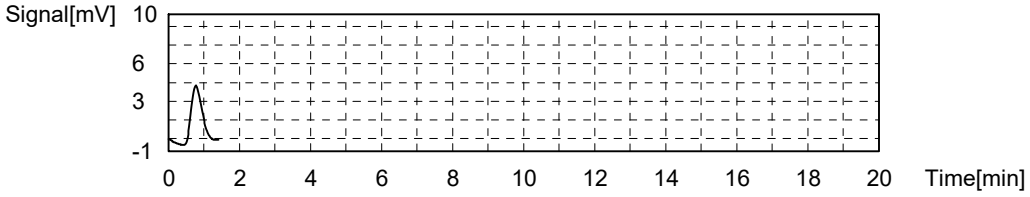
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.09874mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.14	0.09874mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 4:29:31 PM

Mean Area 10.14
Mean Conc. 0.09874mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: MBLK
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

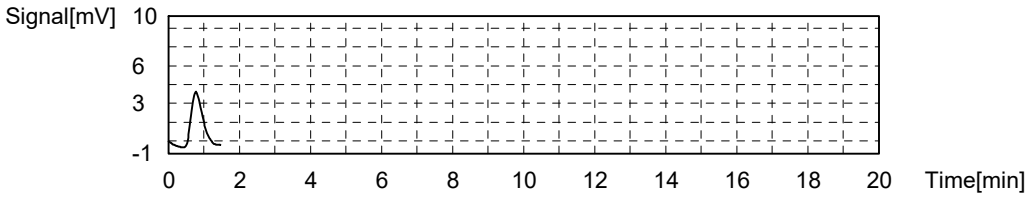
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.09767mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	10.03	0.09767mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 4:38:22 PM

Mean Area 10.03
Mean Conc. 0.09767mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: MBLK
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

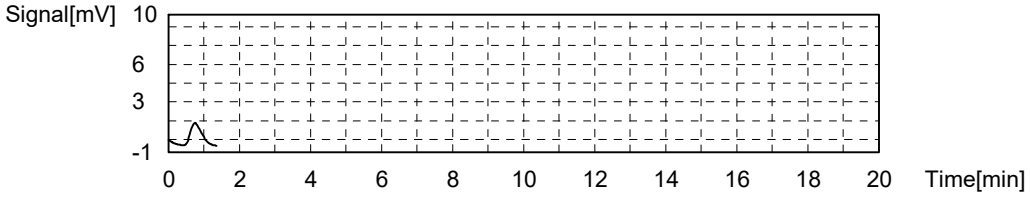
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.03922mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.027	0.03922mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 4:48:34 PM

Mean Area 4.027
Mean Conc. 0.03922mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: MBLK
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

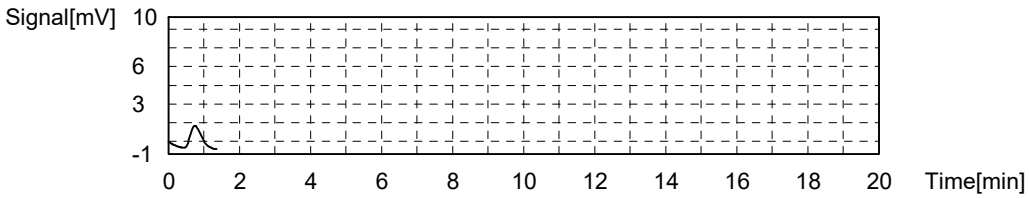
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.03869mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.973	0.03869mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 4:57:18 PM

Mean Area 3.973
Mean Conc. 0.03869mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCV
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

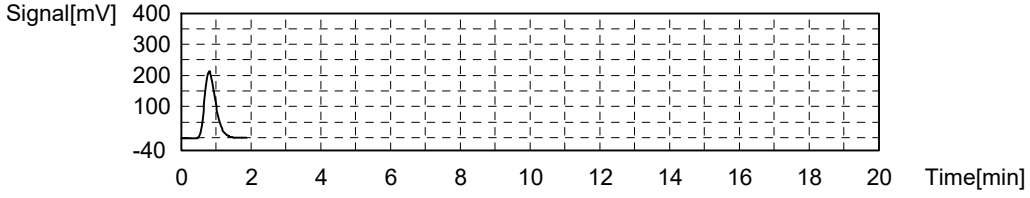
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.777mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	490.5	4.777mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 5:08:01 PM

Mean Area 490.5
Mean Conc. 4.777mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCV
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

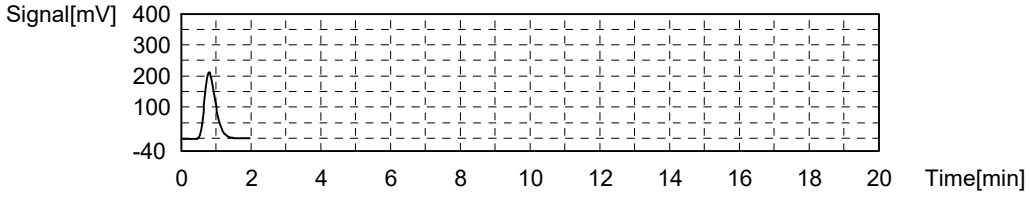
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.763mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	489.1	4.763mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 5:17:21 PM

Mean Area 489.1
Mean Conc. 4.763mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCV
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

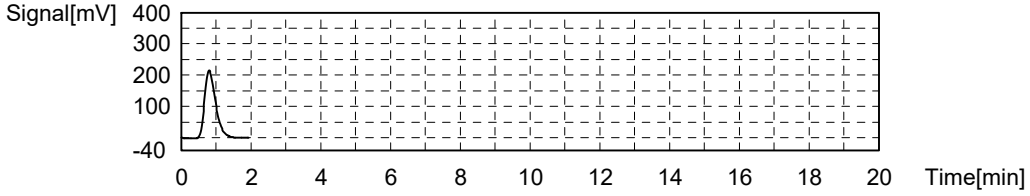
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.779mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	490.8	4.779mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 5:28:08 PM

Mean Area 490.8
Mean Conc. 4.779mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCV
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

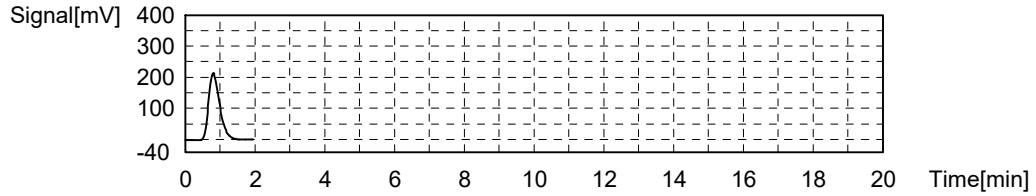
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.785mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	491.4	4.785mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 5:37:28 PM

Mean Area 491.4
Mean Conc. 4.785mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

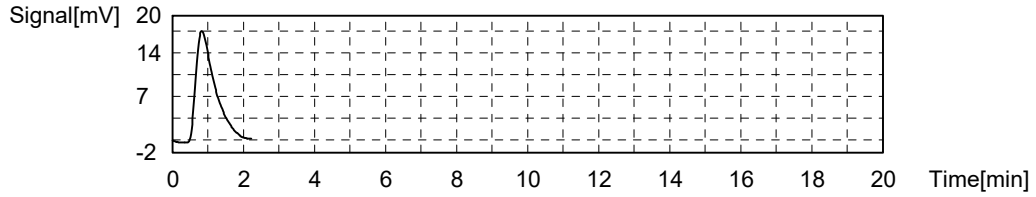
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6676mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	68.56	0.6676mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 5:48:32 PM

Mean Area 68.56
Mean Conc. 0.6676mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

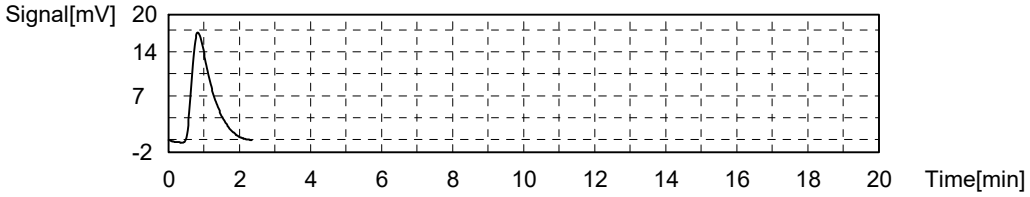
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6786mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	69.69	0.6786mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 5:58:16 PM

Mean Area 69.69
Mean Conc. 0.6786mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

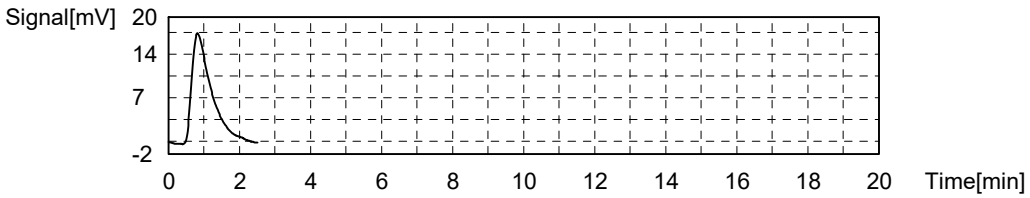
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6911mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	70.97	0.6911mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 6:09:37 PM

Mean Area 70.97
Mean Conc. 0.6911mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

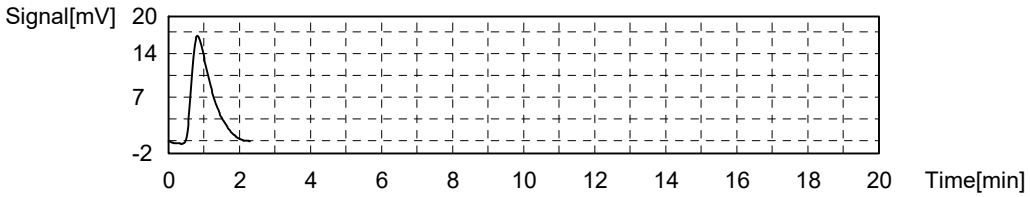
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.6682mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	68.62	0.6682mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 6:19:17 PM

Mean Area 68.62
Mean Conc. 0.6682mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001EMS
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

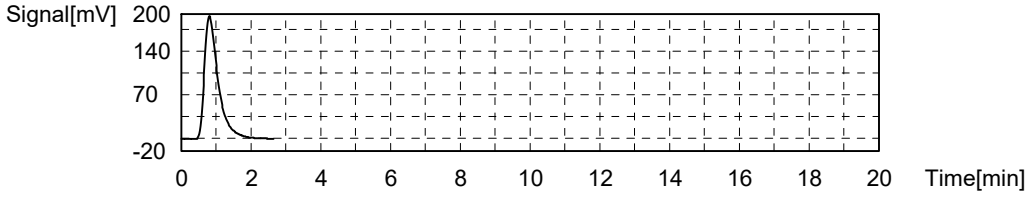
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.447mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	559.4	5.447mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 6:30:46 PM

Mean Area 559.4
Mean Conc. 5.447mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001EMS
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

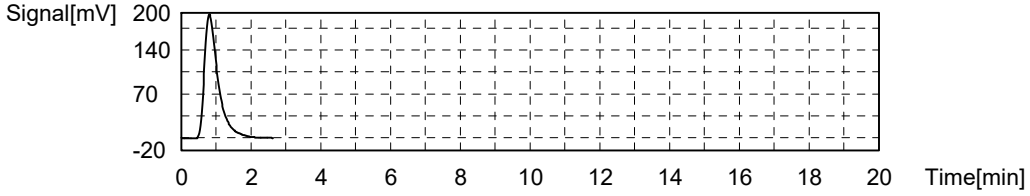
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.471mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	561.8	5.471mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 6:40:46 PM

Mean Area 561.8
Mean Conc. 5.471mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001EMS
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

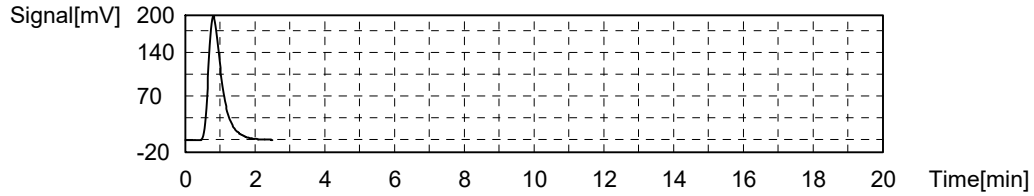
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.402mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	554.7	5.402mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 6:52:07 PM

Mean Area 554.7
Mean Conc. 5.402mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001EMS
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

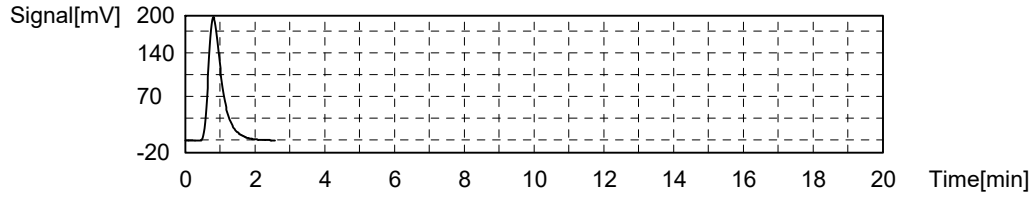
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.402mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	554.7	5.402mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 7:02:04 PM

Mean Area 554.7
Mean Conc. 5.402mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001EMSD
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

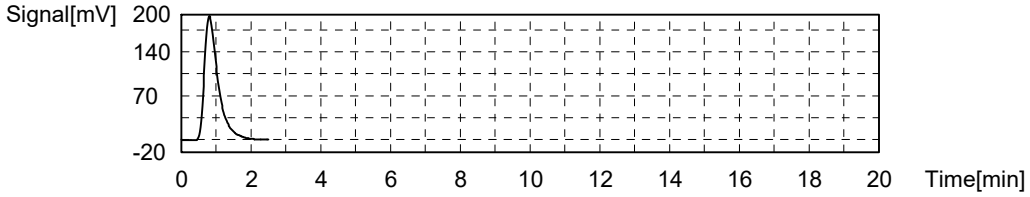
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.451mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	559.8	5.451mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 7:13:25 PM

Mean Area 559.8
Mean Conc. 5.451mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001EMSD
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

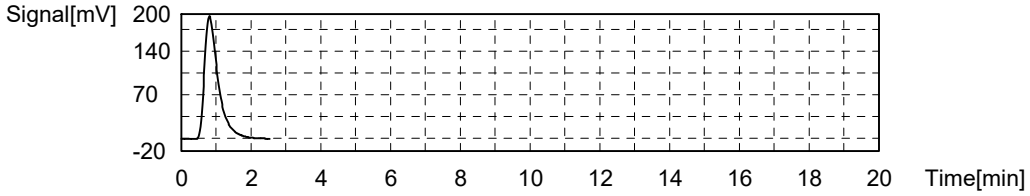
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.455mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	560.2	5.455mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 7:23:20 PM

Mean Area 560.2
Mean Conc. 5.455mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001EMSD
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

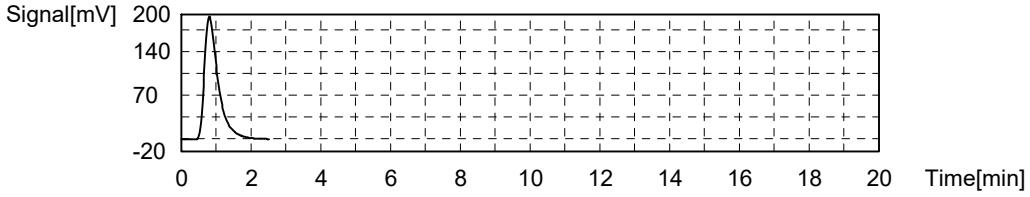
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.434mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	558.0	5.434mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 7:34:42 PM

Mean Area 558.0
Mean Conc. 5.434mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-001EMSD
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

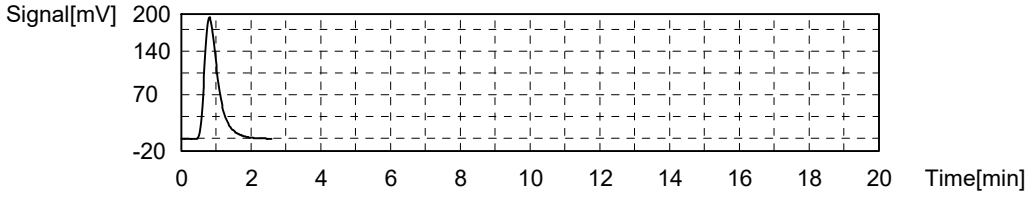
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:5.405mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	555.0	5.405mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 7:44:40 PM

Mean Area 555.0
Mean Conc. 5.405mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-006E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

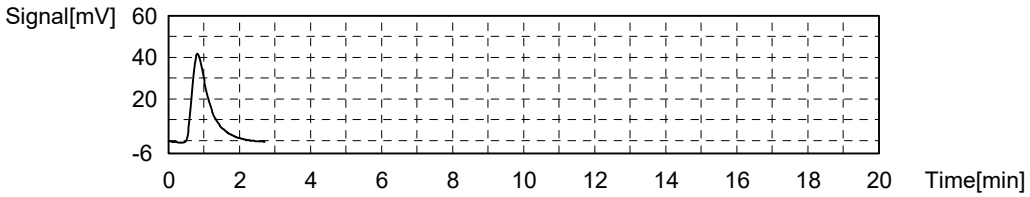
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.462mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	150.1	1.462mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 7:56:13 PM

Mean Area 150.1
Mean Conc. 1.462mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-006E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

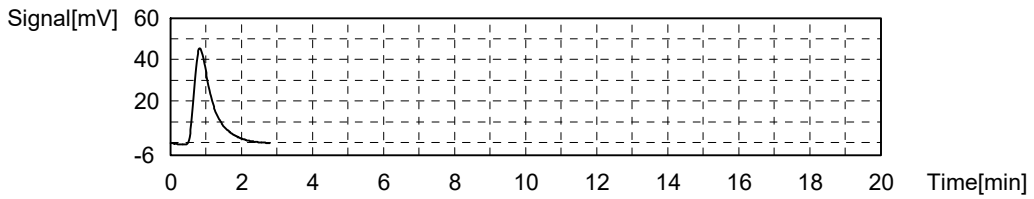
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.662mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	170.7	1.662mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 8:06:24 PM

Mean Area 170.7
Mean Conc. 1.662mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-006E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

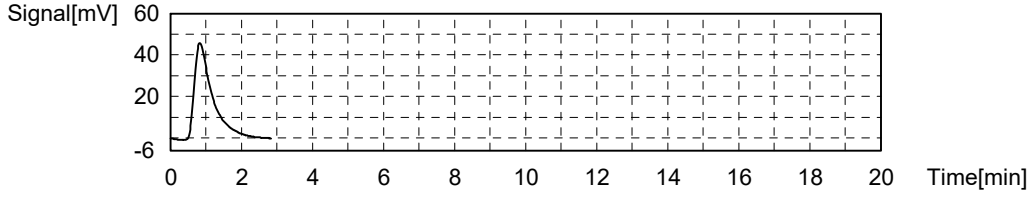
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.673mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	171.8	1.673mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 8:18:05 PM

Mean Area 171.8
Mean Conc. 1.673mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-006E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

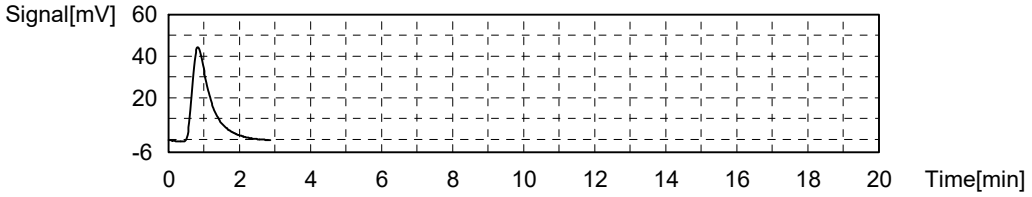
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:1.637mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	168.1	1.637mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 8:28:20 PM

Mean Area 168.1
Mean Conc. 1.637mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-011E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

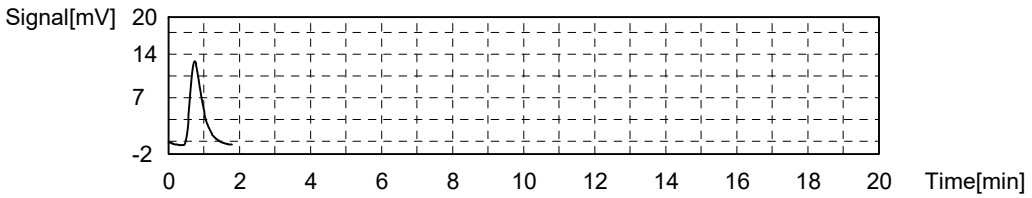
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3322mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	34.11	0.3322mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 8:38:58 PM

Mean Area 34.11
Mean Conc. 0.3322mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-011E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

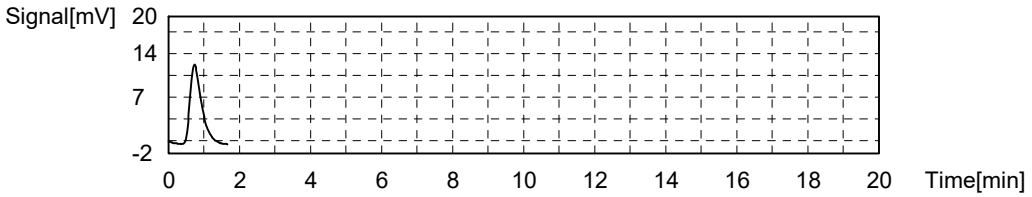
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2916mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	29.94	0.2916mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 8:48:01 PM

Mean Area 29.94
Mean Conc. 0.2916mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-011E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

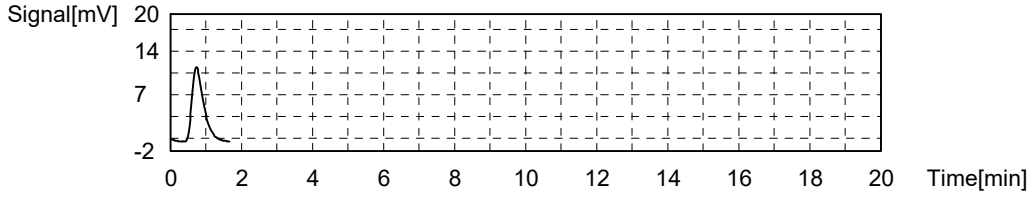
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2769mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	28.43	0.2769mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 8:58:31 PM

Mean Area 28.43
Mean Conc. 0.2769mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-011E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

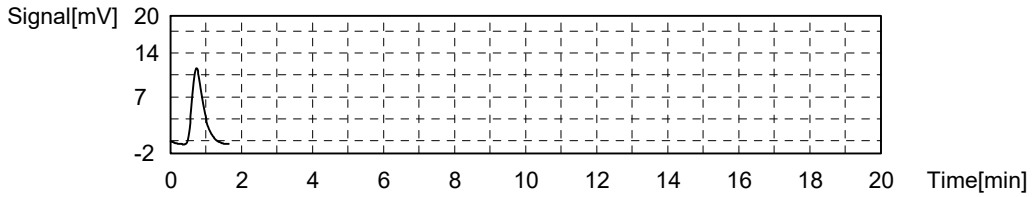
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2746mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	28.20	0.2746mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 9:07:32 PM

Mean Area 28.20
Mean Conc. 0.2746mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-017E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

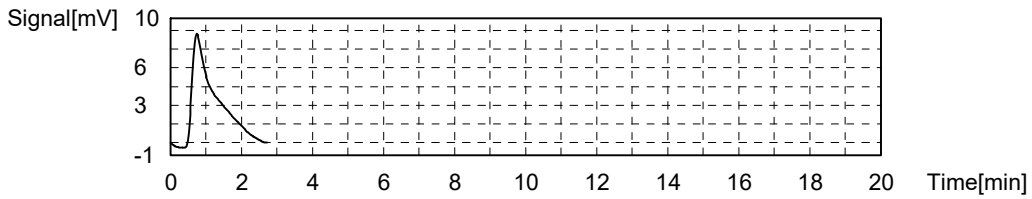
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4179mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.91	0.4179mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 9:19:06 PM

Mean Area 42.91
Mean Conc. 0.4179mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-017E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

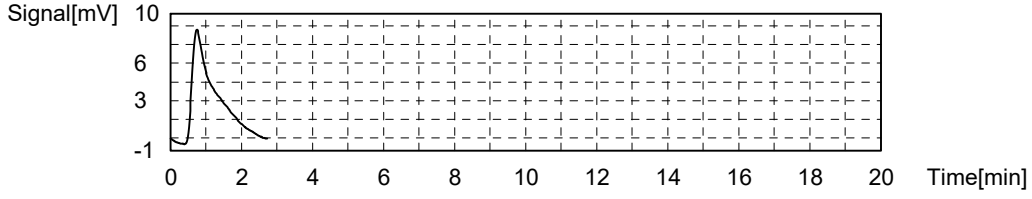
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4130mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.41	0.4130mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 9:29:12 PM

Mean Area 42.41
Mean Conc. 0.4130mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-017E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

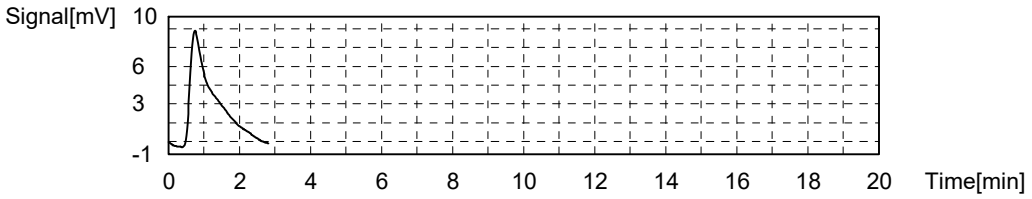
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4296mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	44.12	0.4296mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 9:40:52 PM

Mean Area 44.12
Mean Conc. 0.4296mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-017E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

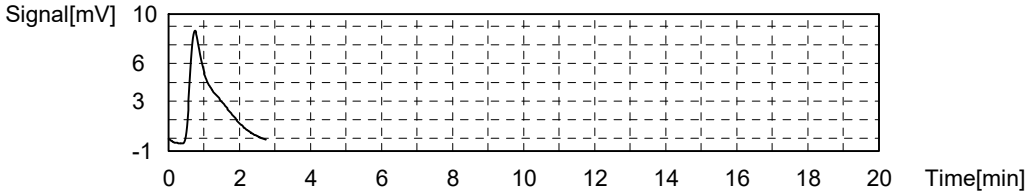
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4177mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	42.89	0.4177mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 9:50:59 PM

Mean Area 42.89
Mean Conc. 0.4177mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-022E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

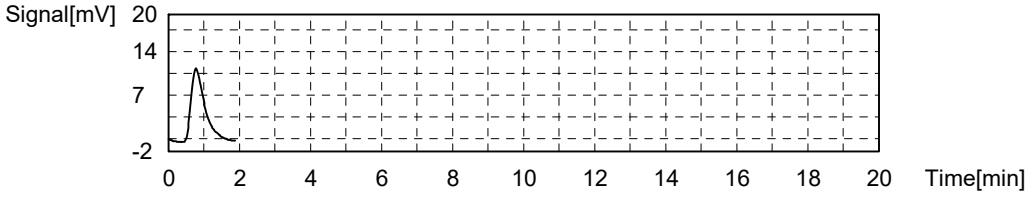
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3214mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	33.00	0.3214mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 10:01:42 PM

Mean Area 33.00
Mean Conc. 0.3214mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-022E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

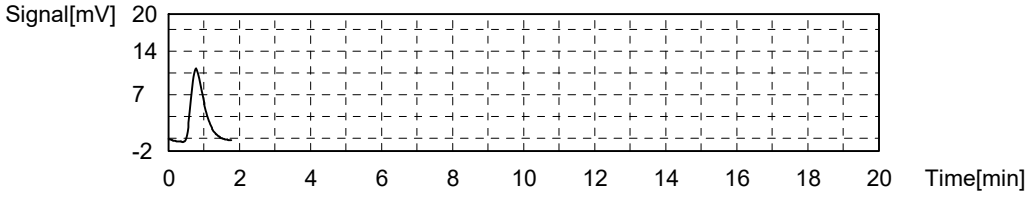
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3089mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	31.72	0.3089mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 10:10:51 PM

Mean Area 31.72
Mean Conc. 0.3089mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-022E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

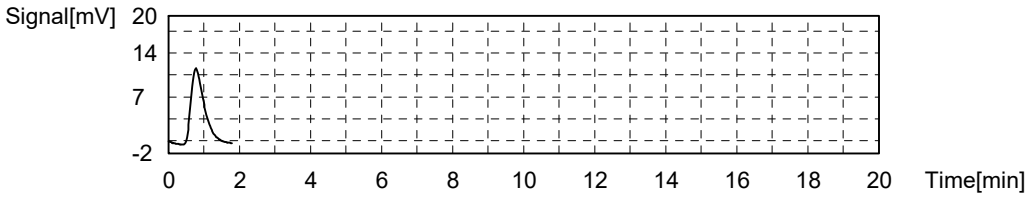
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3189mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.75	0.3189mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 10:21:29 PM

Mean Area 32.75
Mean Conc. 0.3189mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-022E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

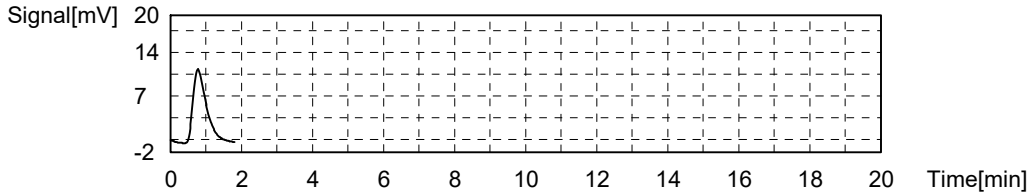
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3133mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	32.17	0.3133mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 10:30:40 PM

Mean Area 32.17
Mean Conc. 0.3133mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-027E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

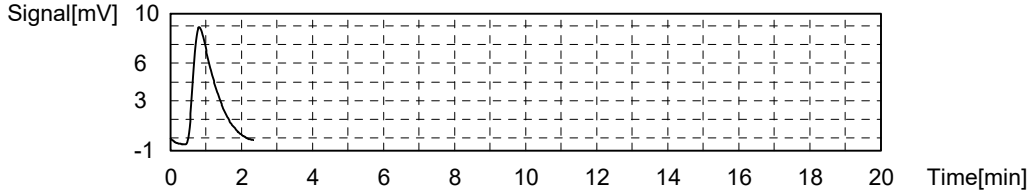
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3942mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.48	0.3942mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 10:41:51 PM

Mean Area 40.48
Mean Conc. 0.3942mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-027E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

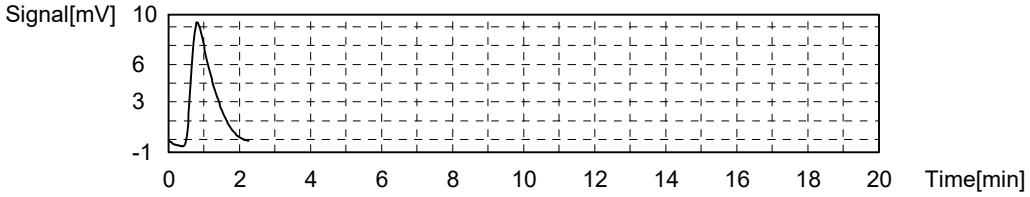
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4039mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.48	0.4039mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 10:51:29 PM

Mean Area 41.48
Mean Conc. 0.4039mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-027E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

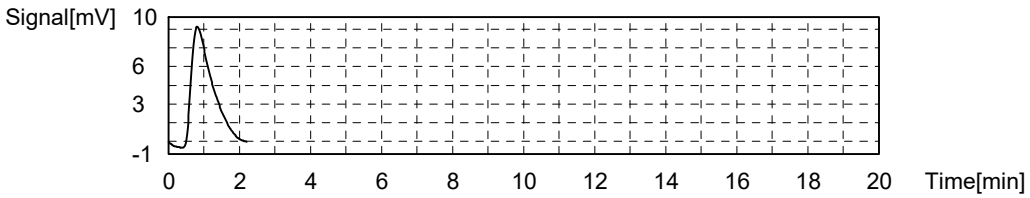
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.3970mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	40.77	0.3970mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 11:02:32 PM

Mean Area 40.77
Mean Conc. 0.3970mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-027E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

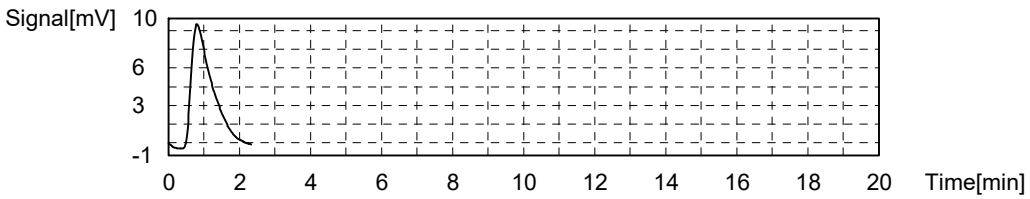
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.4085mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	41.95	0.4085mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 11:12:14 PM

Mean Area 41.95
Mean Conc. 0.4085mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-032E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

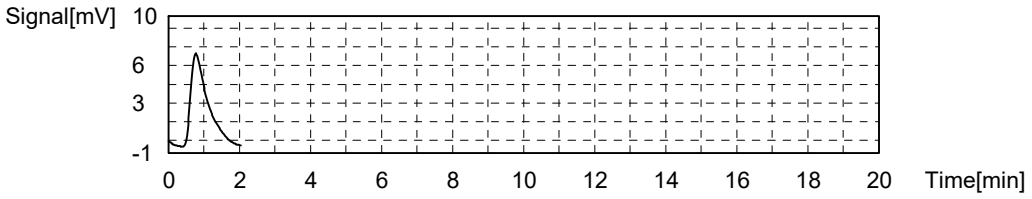
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2481mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.48	0.2481mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 11:23:07 PM

Mean Area 25.48
Mean Conc. 0.2481mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-032E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

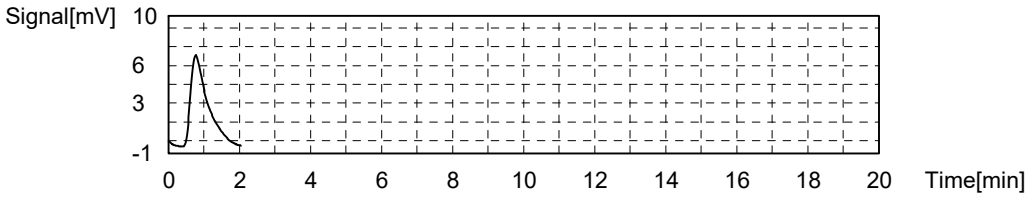
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2448mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	25.14	0.2448mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 11:32:32 PM

Mean Area 25.14
Mean Conc. 0.2448mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-032E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

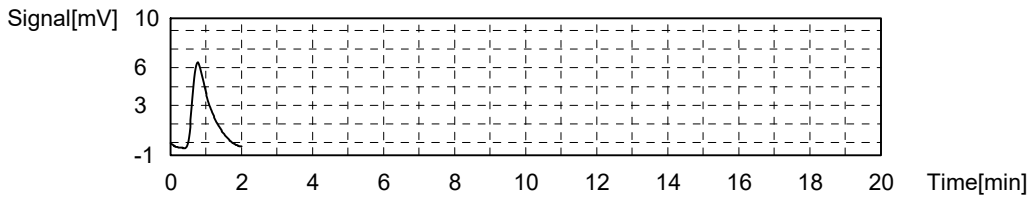
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2328mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	23.91	0.2328mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 11:43:23 PM

Mean Area 23.91
Mean Conc. 0.2328mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: C22020308-032E
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

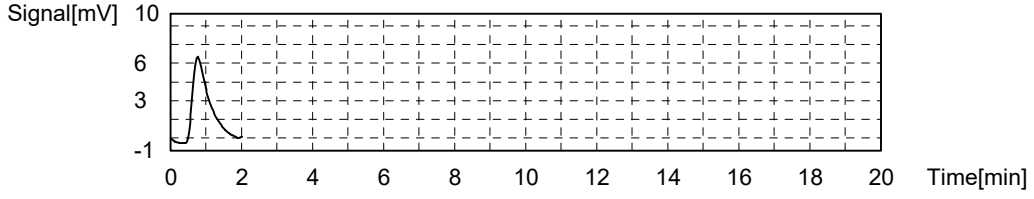
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.2171mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	22.29	0.2171mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/9/2022 11:52:47 PM

Mean Area 22.29
Mean Conc. 0.2171mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCV
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

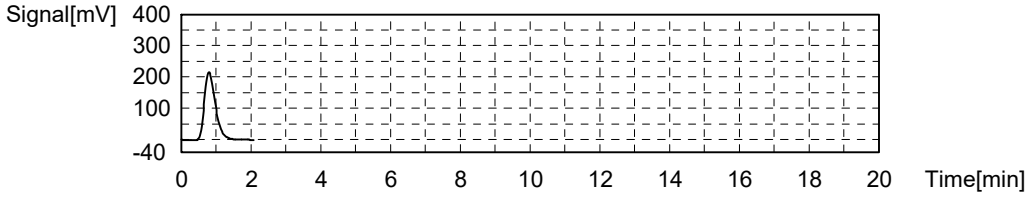
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.786mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	491.5	4.786mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/10/2022 12:03:42 AM

Mean Area 491.5
Mean Conc. 4.786mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCV
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

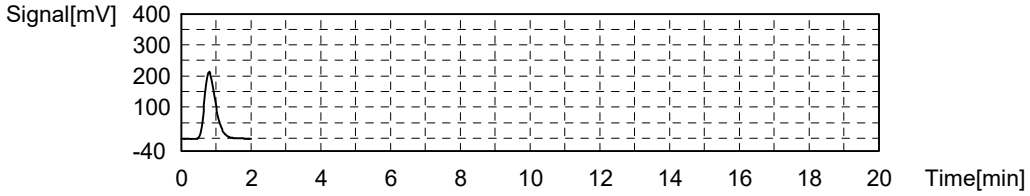
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.789mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	491.8	4.789mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/10/2022 12:13:05 AM

Mean Area 491.8
Mean Conc. 4.789mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCV
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

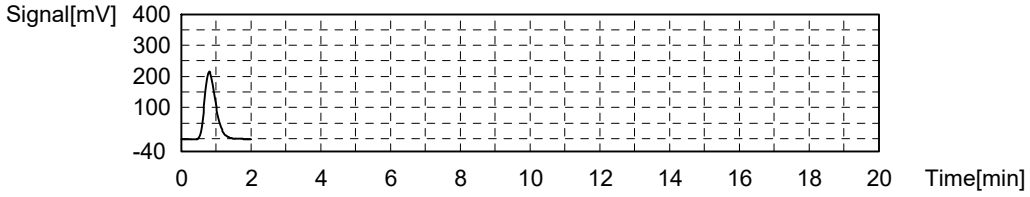
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.834mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	496.4	4.834mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/10/2022 12:23:56 AM

Mean Area 496.4
Mean Conc. 4.834mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCV
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

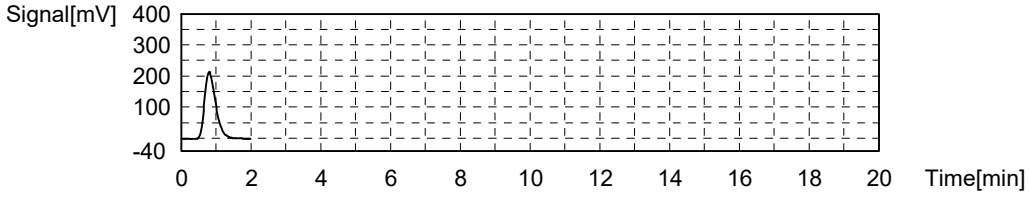
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:4.787mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	491.6	4.787mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/10/2022 12:33:18 AM

Mean Area 491.6
Mean Conc. 4.787mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCB
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

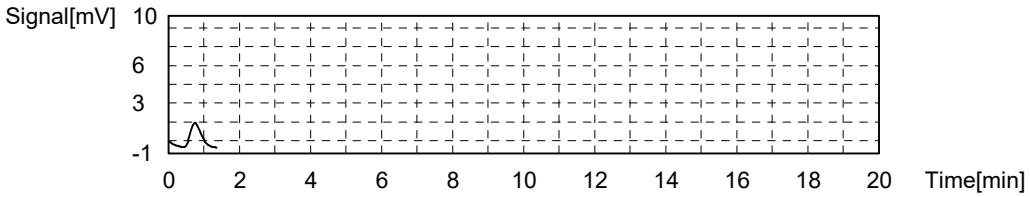
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.04066mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	4.175	0.04066mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/10/2022 12:43:31 AM

Mean Area 4.175
Mean Conc. 0.04066mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCB
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

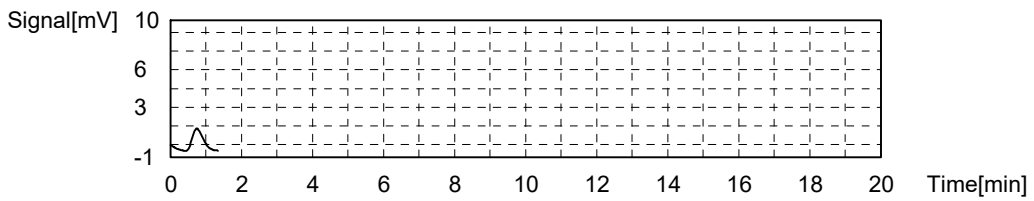
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.03701mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.801	0.03701mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/10/2022 12:52:14 AM

Mean Area 3.801
Mean Conc. 0.03701mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCB
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

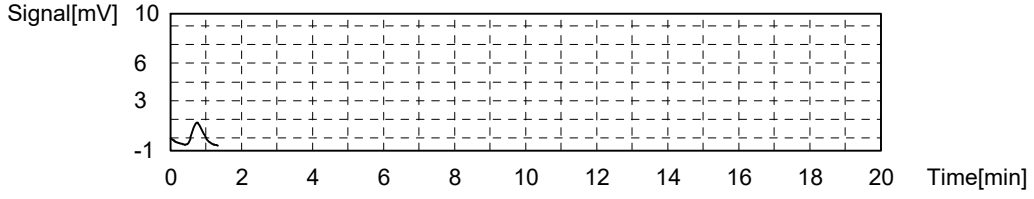
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.03783mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.885	0.03783mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/10/2022 1:02:26 AM

Mean Area 3.885
Mean Conc. 0.03783mg/L



Sample

Sample Name: C-TOC-9060-W
Sample ID: CCB
Origin: C-TOC-9060-W.met
Status Completed
Chk. Result

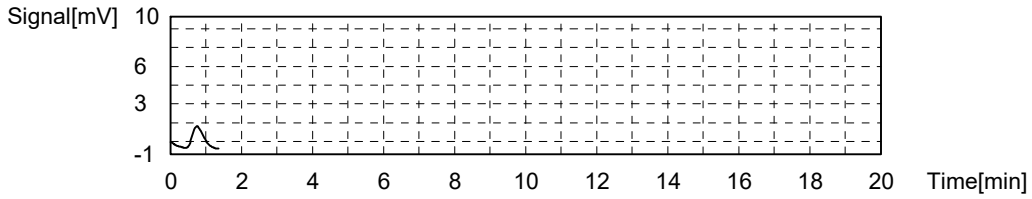
Type	Anal.	Manual Dilution	Result
Unknown	NPOC	1.000	NPOC:0.03780mg/L

1. Det

Anal.: NPOC

No.	Area	Conc.	Inj. Vol.	Aut. Dil.	Ex.	Cal. Curve	Date / Time
1	3.882	0.03780mg/L	1250uL	1		0-20 NPOC_220126B.2022_01_26_15_38_52.ca	2/10/2022 1:11:10 AM

Mean Area	3.882
Mean Conc.	0.03780mg/L



Standards

Std ID
Na Persulfate 12% 211108
NTS AQ DOC A5310C DOC 092221
NTS AQ TOC A5310C DOC 092321
Phosphoric Acid 201124
Phosphoric Water 211108
TOC4_ICAL_220127

Reagents

Reagent Name	Number	SampType
Puradisc 25 Syringe Filter-16950886	11023	
Organic Carbon Standard-2111C03	12375	LCS,MS,MSD
Organic Carbon Standard-710920m	11940	CCV,ICAL
Nitrogen UHP - 1-182-304	12104	

Energy Laboratories, Inc.

Standard LOG

Standard ID:	NA PERSULFATE 12% 211108		
Standard Name	Sodium Persulfate 12%	Type:	Secondary
Date Prepared	11/8/2021	BY:	Nils T. Schenck
Date Expires:	11/8/2022		
Department	INORG	Status:	Open
Vendor:			
Lot Number:			
Balance ID:	BAL-109		

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Phosphoric Acid - 60151	11571	30	mL	6/25/
Solution-2000-D	9959	970	mL	2/8/2
Sodium peroxydisulfate, 98% - Z30G0	11981	120	g	12/14

Final Volume: 1000 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

Energy Laboratories, Inc.

Standard LOG

Standard ID: PHOSPHORIC ACID 201124
Standard Name Phosphoric Acid 20%
Date Prepared 11/24/2020
Date Expires: 1/8/2023
Department INORG
Vendor:
Lot Number:
Balance ID:

Type: Secondary
BY: Heather Townsend
Status: Open

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Phosphoric Acid - 60151	11571	200	mL	6/25/
Solution-2000-D	9959	800	mL	2/8/2

Final Volume: 1000 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

Page: *1 of 1*

Energy Laboratories, Inc.

Standard LOG

Standard ID:	PHOSPHORIC WATER 211108		
Standard Name	Phosphoric Water	Type:	Secondary
Date Prepared	11/8/2021	BY:	Nils T. Schenck
Date Expires:	1/8/2023		
Department	INORG	Status:	Open
Vendor:			
Lot Number:			
Balance ID:			

Comments:

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Solution-2000-D	9959	2496	mL	2/8/2
Phosphoric Acid - 60151	11571	4	mL	6/25/

Final Volume: 2500 mL

Stock Source	**Base Units**	**Amount Added**
Analytes	**CAS**	Conc: **ug/mL**

Certificate of Analysis

MilliporeSigma

Date of Release: 6/17/2020

Name: Phosphoric Acid (Orthophosphoric Acid)
85% w/w, GR ACS
Meets ACS Specifications

Item No: PX0995 all size codes

Lot / Batch No: 60151

Country of Origin: Switzerland

Characteristic	Requirement		Results	Units
	Min.	Max.		
Antimony (Sb)		0.002	≤ 0.0002	%
Arsenic (As)		1	≤1	ppm
Assay	85.0		85.9	%
Calcium (Ca)		0.002	≤ 0.0001	%
Chloride (Cl)		3	≤3	ppm
Color (APHA)		10	≤10	
Form			Clear liquid	
Heavy metals (as Pb)		0.001	≤ 0.0001	%
Insoluble matter		0.001	≤0.001	%
Iron (Fe)		0.003	≤ 0.0003	%
Magnesium (Mg)		0.002	≤ 0.0001	%
Manganese (Mn)		0.5	≤ 0.05	ppm
Nitrate (NO3)		5	≤5	ppm
Potassium (K)		0.005	≤ 0.0001	%
Reducing substances			Passes test	
Sodium (Na)		0.025	≤ 0.0001	%
Sulfate (SO4)		0.003	≤ 0.0003	%
Volatile acids (as acetic acid)		0.001	≤0.001	%

Heather Sinn,

Quality Control Manager
This document has been produced electronically and is valid without a signature.

EMD Millipore is a division of Merck KGaA,Darmstadt, Germany
EMD Millipore Corporation
400 Summit Drive,
Burlington, MA 01803
U.S.A

ID #: 11571
Opened:_____
Phosphoric Acid - 60151
Expires: 6/25/2025
Rec'd: 6/25/2020
Energy Laboratories, Inc. 2393 Salt Creek Hwy
Casper WY 82601-9601

1/1

Type I Ultra-Low TOC Analytical Grade DI Systems General Description & Specifications

AQUA SOLUTIONS®

Model Number	General Description - Type I DI Systems
2121AL	Type I *Ultra-Low TOC Analytical Grade* DI System for operation on *pretreated water* (water that has been pretreated via reverse osmosis, distillation or deionization by a central or point-of-use pretreatment system, and contains less than 20 ppm of total dissolved solids).
	Requires Purification Kit Number 2613M1L (not included in system price). Kit includes activated carbon prefilter capsule, high purity TOC reduction DI module, and final filter capsule.
2122AL	Type I *Ultra-Low TOC Analytical Grade* DI System for operation on *ordinary tap water* containing up to 170 ppm of TDS (total dissolved solids).
	Requires Purification Kit Number 2613M2L (not included in system price). Kit includes activated carbon prefilter capsule, two high purity TOC reduction DI modules, and final filter capsule.
Upgradeability	Any of these systems can be field upgraded or modified to become any other Type I system.

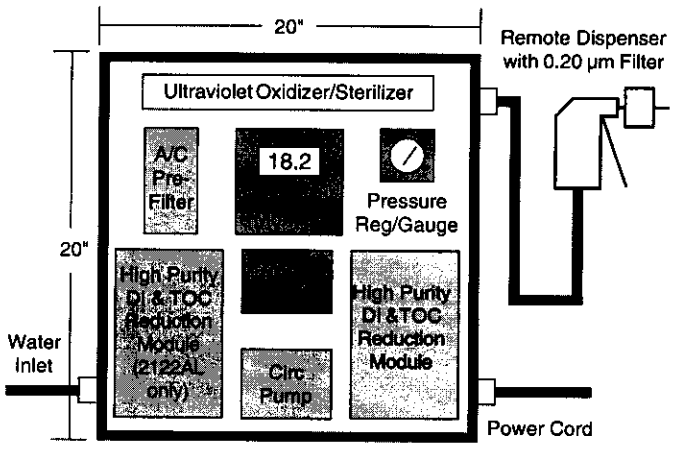
Model Number	General Description - Combination Reverse Osmosis plus Type I DI Systems
RODI-C-12AL	Combination Reverse Osmosis plus Type I *Ultra-low TOC Analytical Grade* DI System.
	Requires Purification Kit Number 2613M1L-A (not included in system price). Kit includes high purity TOC reduction DI module, and a final filter capsule. See brochure RODI-C for details.
More information	For *Basic Analytical Grade Systems,* request brochure #: T1-A. For *Biological Grade Systems,* request brochure #: T1-B. For *Ultra-Low TOC Biological Grade Systems,* request brochure #: T1-BL. For *Combination Reverse Osmosis plus Type I DI Systems,* request brochure #: RODI-C. For *Reverse Osmosis and/or Type II DI Systems,* request brochure #: T2-RO. For *High Flow (8-12 Liters/minute) Systems,* contact your sales person.

ID #: 9960
Opened:
Solution-2000-I
Expires: 4/14/2018
Rec'd: 9/21/2017
Energy Laboratories, Inc. 2393 Salt Creek Hwy • Casper WY 82602-0247

ID #: 9959
Opened:
Solution-2000-D
Expires: 4/14/2018
Rec'd: 9/21/2017
Energy Laboratories, Inc. 2393 Salt Creek Hwy • Casper WY 82602-0247

System and Purified Water Specifications

DI capacity 2121AL and RODI-C 12AL	*2,000
DI capacity 2122AL	*4,000
*(grains of ion exchange capacity as $CaCO_3$)	
Resistivity	18.2 Megohm-cm
TOC	<5 PPB
Bacteria	<1 cfu/ml
Continuous flow rate	2-Liters/minute
Cabinet depth	12" (305 mm)
Cabinet width	20" (508 mm)
Cabinet height	20" (508 mm)
External power supply input	100-240 VAC, 50/60 Hz
Internal power	12 VDC @ 2.5 Amps from external supply
Minimum inlet pressure	35 PSIG (2.3 Bar)
Maximum inlet pressure	100 PSIG (6.7 Bar)
Shipping weight	40-55 lbs (18-25 kg)
Operating weight	55-70 lbs (25-32 kg)
Inlet connection	1/4" or 3/8" NPT



AQUA SOLUTIONS

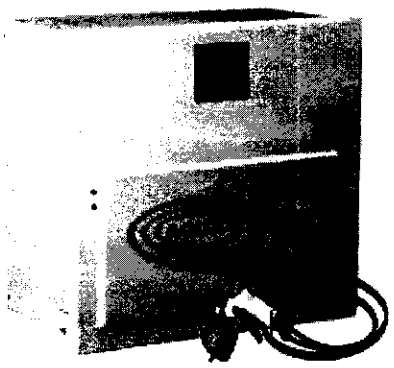
Type I Ultra-Low TOC Analytical Grade DI Systems

Features and Benefits

- *Produces 18 Megohm-cm Type I water*
- *Ultra-Low trace organics - (TOC <5 PPB)*
- *Exceeds ASTM, CAP, CLSI & USP Specs*
- *Accepts 100-240 VAC, 50/60 Hz power*
- *System runs on 12 VDC internal power*
- *Certified by CSA for the US & Canada*
- *Can be bench, shelf or wall-mounted*
- *CE marked for export to Europe, Etc*
- *Remote dispenser included in price*
- *2-Year warranty - (Most Countries)*
- *Meets current USP specifications*
- *User installable and serviceable*
- *0.2 micron final filter capsule*
- *DI modules can be recycled*
- *Complete instrumentation*
- *Fully automatic operation*
- *Continuous recirculation*
- *Made in the USA*

AQUA SOLUTIONS, INC.
8 Old Burnt Mountain Road
Jasper, GA 30143 USA
Phones: 706-692-9200
800-458-2021
Fax: 706-692-9203
E-mail: mail@AquaA.com
Internet: www.AquaA.com

Product Availability



AQUA SOLUTIONS Type I Ultra-Low TOC Analytical Grade DI Systems produce Type I reagent grade water that meets or exceeds ASTM, CAP, CLSI, and USP specifications.

These systems include a built-in, dual-wavelength ultraviolet (UV) oxidizer/sterilizer to reduce TOC to <5 PPB. The UV includes an LED display and audible alarms to monitor UV lamp performance.

They are recommended for laboratory applications requiring Type I water that contains little, if any, TOC (trace organic carbon).

Chemical Applications include AA, GC, HPLC, IC, ICP, IR, MS, heavy or trace metals, environmental testing, TOC, TOX, TCLP, VOC, electrochemistry, and toxicity testing, where ultra-low TOC Type I water is required.

Biological Applications include those that are sensitive to TOC, (where endotoxin/pyrogen levels are NOT critical).

AQUA SOLUTIONS Type I DI systems dispense purified water at the rate of 2-Liters/minute. Higher flow rate systems (8-12 Liters/minute) are available.

AQUA SOLUTIONS Ultra-Low TOC analytical grade systems are designed to operate on ***ordinary tap water,*** or water that has been pretreated via reverse osmosis, distillation, or deionization by a central or point-of-use system.

For those installations where the incoming tap water feed contains more than 170 ppm of TDS (total dissolved solids), and/or the average daily purified water usage exceeds 20 Liters/day, reverse osmosis (RO) pretreatment should be considered (see next paragraph).

AQUA SOLUTIONS Type I Ultra-Low TOC DI Systems can also be purchased with a *built-in 10 or 20 Liter/hour RO pretreatment system,* all in a single cabinet measuring just 20" (508 mm) wide by 20" (508 mm) high by 12" (305 mm) deep - see page 2 for details!

And, if more RO capacity is required to feed multiple systems, or other applications, individual **AQUA** SOLUTIONS RO systems are available in 10, 20, 30, and 60 Liter/hour and higher configurations.

AQUA SOLUTIONS Type I Ultra-Low TOC Systems offer many features and benefits, and higher capacities that are not found on many other systems. **And, they are *very competitively priced!***

ThermoFisher SCIENTIFIC

Certificate of Analysis

Product No.: 54100

Product: Sodium peroxydisulfate, 98%

Lot No.: Z30G002

Appearance	White crystals
Assay	99.2 %
Active oxygen	6.67 %
Ammonium persulfate	0.003 %
Sodium sulfate	0.75 %
Insolubles, aqueous	52 ppm
Iron	3 ppm
Moisture at 60°C	0.01 %

Retest date: December 14, 2030

ID #: 11981
Opened:_____
Sodium peroxydisulfate, 98% - Z30G002
Expires: 12/14/2030
Rec'd: 4/16/2021
Energy Laboratories Inc. 2393 Salt Creek Hwy
Casper WY 82601-9601

Order our products online **alfa.com**

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This is to certify that units of the lot number above were tested and found to comply with the specifications of the grade listed. Certain data have been supplied by third parties. Thermo Fisher Scientific expressly disclaims all warranties, expressed or implied, including the implied warranties of merchantability and fitness for a particular purpose. Products are for research use or further manufacturing. Not for direct administration to humans or animals. It is the responsibility of the purchaser, formulator or those performing further manufacturing to determine suitability based upon the intended use of the end product. Products are tested to meet the analytical requirements of the noted grade. The above information is the actual analytical results obtained.

Energy Laboratories, Inc.

Standard LOG

Standard ID:	TOC4_ICAL_220127		
Standard Name	TOC4 Calibration	Type:	Secondary
Date Prepared	1/27/2022	BY:	Nils T. Schenck
Date Expires:	9/28/2022		
Department	INORG	Status:	Open
Vendor:			
Lot Number:			
Balance ID:			

Comments: Calibration levels and concentrations per SOP 50-227-06

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Organic Carbon Standard-710920m	11940		mL	9/28/
Solution-2000-D	9959		mL	1/21/

Final Volume: 1000 mL

Stock Source	**Base Units**	**Amount Added**
Analytes	**CAS**	Conc: **ug/mL**

Page: *1 of 1*

ERA
A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: 1000 mg/L Total Organic Carbon (TOC)
Catalog Number: 978
Lot No. 710920m
Starting Material: Glucose ($C_6H_{12}O_6$)
Matrix: 18 megohm deionized water and 0.5% (v/v) H_2SO_4
Density: 1.0037 ± 0.0006 g/ml at 20.1 °C and 762 mm Hg
Verification Method: UV Persulfate/Conductometric TOC
Certificate Issue Date: November 2, 2020
Expiration Date: September 28, 2022
Revision Number: Original

CERTIFICATION

Parameter	Certified Value[1]	Uncertainty[2]	NIST Traceability	
	mg/L	%	SRM Number[3]	Recovery %
Total Organic Carbon (TOC)	1000	2.49	84l	101

ID #: 11940
Opened:_____
Organic Carbon Standard-710920m
Expires: 9/28/2022
Rec'd: 3/17/2021
Energy Laboratories, Inc. 2393 Salt Creek Hwy
Casper WY 82601-9601

16341 Table Mountain Pkwy • Golden, CO 80403 • 800.372.0122 • 303.431.8454 • fax 303.421.0159 • www.eraqc.com

GE Healthcare
Life Sciences

Certificate of Conformity

Whatman™

Product Information

Product Number: 6753-2504

Product Name: Puradisc 25 Syringe Filter, 0.45 µm, nylon, 1000/pk

Lot Number/Serial Number: 16950886

Conformance & Quality systems statement

This is to certify that this product conforms to GE Healthcare Life Sciences specifications.

All products are manufactured via a Quality System certified to **BS EN ISO9001:2008** and tested in accordance with documented quality procedures and approved as a result of meeting the required specification

Electronic signature

This document has been electronically produced and is valid without a signature.

ID #: 11023
Opened:_____
Puradisc 25 Syringe Filter-16950886
Expires: 8/6/2024
Rec'd: 8/6/2019
Energy Laboratories, Inc. 2393 Salt Creek Hwy
Casper WY 82601-9601

Version AA

imagination at work

www.gelifesciences.com

GE Healthcare UK Limited
Amersham Place Little Chalfont
Buckinghamshire HP7 9NA UK

RICCA CHEMICAL COMPANY®

1841 Broad Street
Pocomoke City, MD 21851
http://www.riccachemical.com
1-888-GO-RICCA
customerservice@riccachemical.com

Certificate of Analysis

Organic Carbon Standard, 1000 ppm C

Lot Number: 2111C03 **Product Number:** 1847 **Manufacture Date:** NOV 09, 2021

Expiration Date: OCT 2022

The certified value reported is the prepared value based upon the method of preparation of the material. The uncertainty in the prepared value is based upon the volumetric method of preparation.

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Phosphoric Acid	7664-38-2	ACS
Potassium Acid Phthalate	877-24-7	ACS Acidimetric

Test	Specification	Result
Appearance	Colorless liquid	Passed
Carbon (C)	995-1005 ppm	1000 ppm

Specification	Reference
Organic Carbon Stock Solution	APHA (5310 B)
Potassium Hydrogen Phthalate, Stock Solution	EPA (SW-846) (9060)
Potassium Hydrogen Phthalate, Stock Solution, 1000 mg Carbon/liter	EPA (415.1)
Organic Carbon Solution, Standard (1 mL = 1 mg C)	ASTM (D 2579)

Volumetric glassware complies with Class A tolerance requirements of ASTM E 288 and NIST Circular 434; it is calibrated before first use and recalibrated regularly in accordance with ASTM E 542 and NIST Procedure NBSIR 74-461. Balances are calibrated regularly with weights certified traceable to the NIST national mass standard. Thermometers and temperature probes are calibrated before first use and recalibrated regularly with a thermometer traceable to NIST standards. All products are prepared according to master documents that assure manufacture according to validated methods. Batch records document raw material traceability and production and testing history for each lot manufactured.

Part Number	Size / Package Type	Shelf Life (Unopened Container)
1847-16	500 mL amber glass	12 months
1847-8	250 mL amber glass	12 months

Recommended Storage: 15°C - 30°C (59°F - 86°F)

Kerry Kingsbury (11/09/2021)
Quality Control Supervisor
This Certificate of Analysis is designed to comply with ISO Guide 31 "Reference Materials -- Contents of Certificates and Labels."

ID #: 12375
Opened:
Organic Carbon Standard-2111C03
Expires: 10/31/2022
Rec'd: 1/7/2022
Energy Laboratories, Inc. 2393 Salt Creek Hwy
Casper WY 82601-9601

NorLAB®
A DIVISION OF NORCO, INC.

Calibration Gases & Equipment

CERTIFICATE OF ANALYSIS

Norco, Inc
Casper Warehouse
3333 West Yellowstone Hwy
Mills, WY 82644

Cust Number WH084
Order Number 67085950
P.O. Number N/A

Lot Number 1-182-304
Part Number SPG TUHPNI
Product Nitrogen, UHP
Cylinder Size T
Pressure 2640 psig @ 70°F

Date Analyzed 7/1/2021
Expires 7-2024

Cylinder Number(s)
TW04-730235
T-1260
061665
TWC-759451
300-4710337Y
072367

Component	Reported Concentration	Requested Concentration	Analytical Method
Nitrogen	≥ 99.999%	≥ 99.999%	
THC (as Methane)	< 0.5 ppm	< 0.5 ppm	FTIR
Oxygen	< 2 0 ppm	< 2.0 ppm	Zirconium Oxide Cell
Water	< 3.0 ppm	< 3.0 ppm	Electrocapacitance Cell

Storage: Keep away from heat, flames, and sparks. Store and use with adequate ventilation. Close valve when not in use and when empty. Never allow cylinder temperature to exceed 125 degrees F.

Minor constituents tested with standards traceable to NIST by mass or comparison to SRM's (Standard Reference Materials). NIST Tracability Numbers are available upon request.

Approved:
Jeff Korn
Lab Technician

Date Signed: July 16, 2021

898 W. GOWEN ROAD • BOISE, IDAHO 83705
Phone (208) 336-1643 • Fax (208) 331-3038 • 800-657-6672

ID #: 12104
Opened.
Nitrogen UHP - 182-304
Expires: 7/30/2024
Rec'd: 7/30/2021
Energy Laboratories, Inc. 2393 Salt Creek Hwy
Casper WY 82601-9601

Energy Laboratories Inc

ANALYTICAL RUN Summary

20-Sep-21

Run ID FID-HEADSPACE_210120A

Run Start Date: 1/20/2021
Analyst: Jeff Whitmer
Ical:
Column ID: porapak Q
Comments: thermometer used for temp:S94278.

Instrument ID	Description
1000_SGE_041819	1000 mL SGE Syringe _ Gas Tight

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
10711	HC-Methane-W-CCV	0.3	ml			lcs	8/9/2022
12173	HC-Methane-W-CCV	0.3	ml			CCV	11/23/2023

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14188877	MBLK	HC-METHANE-	MBLK		1/20/2021 11:50:	1	R355741		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	mg/L		0			0	0	0.00031	0.001	0	0%	0	0	0%	
Ethene	A	mg/L		0			0	0	0.00023	0.001	0	0%	0	0	0%	
Methane	A	mg/L		0			0	0	0.000704	0.001	0	0%	0	0	0%	
Ethylene	X	mg/L		0			0	0	0.001	0.001	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14188879	Cal1	HC-METHANE-	CAL1		1/20/2021 11:54:	1	R355741		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		2.66692829		2.5	0	0	2	2	0	107%	50	150	0%	
Ethene	A	ppm		2.68217219		2.5	0	0	2	2	0	107%	50	150	0%	
Methane	A	ppm		2.9330938		2.5	0	0	2	2	0	117%	50	150	0%	
Ethylene	X	ppm		2.68217219		1000	0	0	2	2	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14188881	Cal2	HC-METHANE-	CAL2		1/20/2021 12:00:	1	R355741		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14188881	Cal2	HC-METHANE- CAL2			1/20/2021 12:00:	1	R355741		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		5.15876183		5	0	0	2	2	0	103%	85	115	0%	
Ethene	A	ppm		5.18455183		5	0	0	2	2	0	104%	85	115	0%	
Methane	A	ppm		5.47590194		5	0	0	2	2	0	110%	85	115	0%	
Ethylene	X	ppm		5.18455183		1000	0	0	2	2	0	1%	0	0	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14188883	Cal3	HC-METHANE- CAL3			1/20/2021 12:04:	1	R355741		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		10.3740375		10	0	0	2	2	0	104%	85	115	0%	
Ethene	A	ppm		10.2107455		10	0	0	2	2	0	102%	85	115	0%	
Methane	A	ppm		10.5521213		10	0	0	2	2	0	106%	85	115	0%	
Ethylene	X	ppm		10.2107455		1000	0	0	2	2	0	1%	0	0	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14188885	Cal4	HC-METHANE- CAL4			1/20/2021 12:09:	1	R355741		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		50.4828227		50	0	0	2	2	0	101%	85	115	0%	
Ethene	A	ppm		50.7731613		50	0	0	2	2	0	102%	85	115	0%	
Methane	A	ppm		49.9741048		50	0	0	2	2	0	100%	85	115	0%	
Ethylene	X	ppm		50.7731613		1000	0	0	2	2	0	5%	0	0	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14188887	Cal5	HC-METHANE- CAL5			1/20/2021 12:14:	1	R355741		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		96.640217		100	0	0	2	2	0	97%	85	115	0%	
Ethene	A	ppm		96.3665695		100	0	0	2	2	0	96%	85	115	0%	
Methane	A	ppm		94.8118498		100	0	0	2	2	0	95%	85	115	0%	
Ethylene	X	ppm		96.3665695		1000	0	0	2	2	0	10%	0	0	0%	S

2

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14188889	Cal6	HC-METHANE- CAL6			1/20/2021 12:22:	1	R355741		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		444.006974		500	0	0	2	2	0	89%	85	115	0%	
Ethene	A	ppm		445.008645		500	0	0	2	2	0	89%	85	115	0%	
Methane	A	ppm		447.326874		500	0	0	2	2	0	89%	85	115	0%	
Ethylene	X	ppm		445.008645		1000	0	0	2	2	0	45%	0	0	0%	S

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14188891	Cal7	HC-METHANE- CAL7			1/20/2021 12:31:	1	R355741		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	ppm		834.11562		1000	0	0	2	2	0	83%	85	115	0%	S

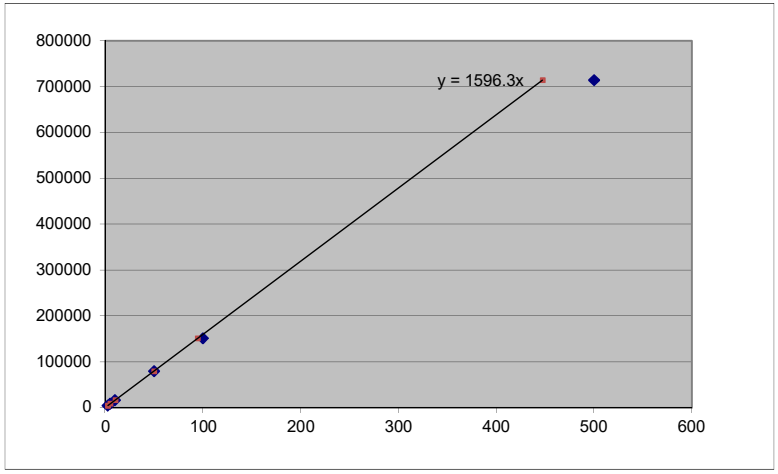
Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
14188893	LCS	HC-METHANE- CCV			1/20/2021 12:36:	1	R355741		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Ethane	A	ppm		97.2572953		100	0	0	2	2	0	97%	85	115	0%	
Ethene	A	ppm		97.1407652		100	0	0	2	2	0	97%	85	115	0%	
Methane	A	ppm		96.8898234		100	0	0	2	2	0	97%	85	115	0%	
Ethylene	X	ppm		97.1407652		1000	0	0	2	2	0	10%	85	115	0%	S

Inst ID FID-HeadSpace

Blank,cts	STD ID	Curve Data for samples analyzed after 1/29/2021
0	#12173	1000000

Amnt, Injtd 300ul	Decimal Equivalent	Conc ppm	Sample Area Counts	Response Factor	Date/Time	Run Id
	0.0000025	2.5	4682	1872.8	1/21/2021 11:54	16483
	0.000005	5	8741	1748.2	1/21/2021 12:00	16484
	0.00001	10	16844	1684.4	1/21/2021 12:04	16485
	0.00005	50	79772	1595.44	1/21/2021 12:09	16486
	0.0001	100	151345	1513.45	1/21/2021 12:14	16487
	0.0005	500	714053	1428.106	1/21/2021 12:22	16488
	0.001	1000	1331471	1331.471	1/21/2021 12:31	16489



			StdDev	188.2268
Methane	MW=	16.04	Avg RF	1596.267
			%RSD	11.79169

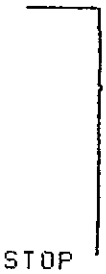
		Calculated Recoveries	
[PPM]	Area Cnts	PPM	% recovery
2.5	4682	2.933094	1.1732375
5	8741	5.475902	1.0951804
10	16844	10.55212	1.0552121
50	79772	49.9741	0.9994821
100	151345	94.81185	0.9481185
500	714053	447.3269	0.8946537
1000	1331471	834.1156	0.8341156

Sample	Area Count	Dilution	Temperature (˚C)	Concentration ppm and mg/L	Date and Time	Analyst	Sample	Test Code	Analyte
MBLK	0	1	20	0	1/20/2021 11:50	jdw	MBLK	HC-METHANE-W	Methane
MBLK	0	1	20	0	1/20/2021 11:50	jdw	MBLK	HC-METHANE-W	Ethane
MBLK	0	1	20	0	1/20/2021 11:50	jdw	MBLK	HC-METHANE-W	Ethene
Cal1	4682	1	20	2.9330938	1/20/2021 11:54	jdw	CCV	HC-METHANE-CCV	Methane
Cal1	8164	1	20	2.66692829	1/20/2021 11:54	jdw	CCV	HC-METHANE-CCV	Ethane
Cal1	8384	1	20	2.68217219	1/20/2021 11:54	jdw	CCV	HC-METHANE-CCV	Ethene
Cal2	8741	1	20	5.47590194	1/20/2021 12:00	jdw	CCV	HC-METHANE-CCV	Methane
Cal2	15792	1	20	5.15876183	1/20/2021 12:00	jdw	CCV	HC-METHANE-CCV	Ethane
Cal2	16206	1	20	5.18455183	1/20/2021 12:00	jdw	CCV	HC-METHANE-CCV	Ethene
Cal3	16844	1	20	10.5521213	1/20/2021 12:04	jdw	CCV	HC-METHANE-CCV	Methane
Cal3	31757	1	20	10.37403746	1/20/2021 12:04	jdw	CCV	HC-METHANE-CCV	Ethane
Cal3	31917	1	20	10.21074545	1/20/2021 12:04	jdw	CCV	HC-METHANE-CCV	Ethene
Cal4	79772	1	20	49.97410476	1/20/2021 12:09	jdw	CCV	HC-METHANE-CCV	Methane
Cal4	154538	1	20	50.48282269	1/20/2021 12:09	jdw	CCV	HC-METHANE-CCV	Ethane
Cal4	158708	1	20	50.7731613	1/20/2021 12:09	jdw	CCV	HC-METHANE-CCV	Ethene
Cal5	151345	1	20	94.81184983	1/20/2021 12:14	jdw	CCV	HC-METHANE-CCV	Methane
Cal5	295835	1	20	96.64021698	1/20/2021 12:14	jdw	CCV	HC-METHANE-CCV	Ethane
Cal5	301225	1	20	96.3665695	1/20/2021 12:14	jdw	CCV	HC-METHANE-CCV	Ethene
Cal6	714053	1	20	447.3268744	1/20/2021 12:22	jdw	CCV	HC-METHANE-CCV	Methane
Cal6	1359194	1	20	444.0069737	1/20/2021 12:22	jdw	CCV	HC-METHANE-CCV	Ethane
Cal6	1391019	1	20	445.0086452	1/20/2021 12:22	jdw	CCV	HC-METHANE-CCV	Ethene
Cal7	1331471	1	20	834.11562	1/20/2021 12:22	jdw	CCV	HC-METHANE-CCV	Methane
LCS	154662	1	20	96.88982337	1/20/2021 12:36	jdw	CCV	HC-METHANE-CCV	Methane
LCS	297724	1	20	97.25729532	1/20/2021 12:36	jdw	CCV	HC-METHANE-CCV	Ethane
LCS	303645	1	20	97.1407652	1/20/2021 12:36	jdw	CCV	HC-METHANE-CCV	Ethene

Calibration
Methane, Ethane, Ethene
JDW
1/20/2021

*ID MB

* RUN #16482 JAN 20, 2021 11:50:13
START



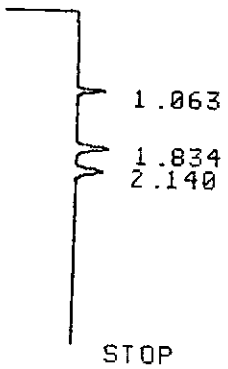
STOP

RUN# 16482 JAN 20, 2021 11:50:13

IDENTIFIER : MB
NO RUN PEAKS STORED

*ID CAL1-2.5PPM

* RUN #16483 JAN 20, 2021 11:54:22
START



RUN# 16483 JAN 20, 2021 11:54:22

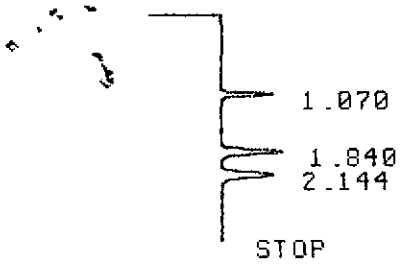
IDENTIFIER : CAL1-2.5PPM
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.063	4682	PP	.048	22.05370
1.834	8384	PU	.078	39.49128
2.140	8164	UP	.087	38.45502

TOTAL AREA= 21230
MUL FACTOR=1.0000E+00

*ID CAL2-5PPM

* RUN #16484 JAN 20, 2021 12:00:03
START



RUN# 16484 JAN 20, 2021 12:00:03

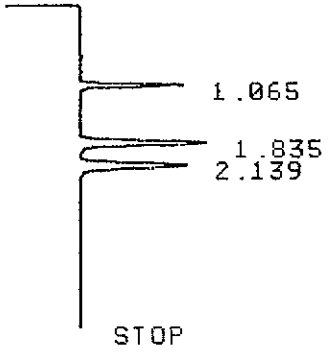
IDENTIFIER : CAL2-5PPM
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.070	8741	VP	.049	21.45610
1.840	16206	PV	.076	39.78006
2.144	15792	VV	.088	38.76384

TOTAL AREA= 40739
MUL FACTOR=1.0000E+00

*ID CAL3-10PPM

* RUN #16485 JAN 20, 2021 12:04:08
START



RUN# 16485 JAN 20, 2021 12:04:08

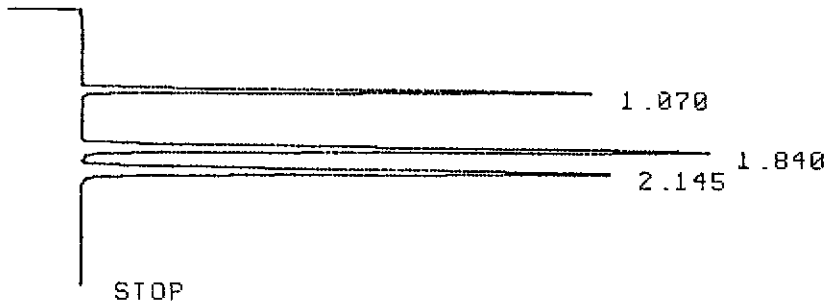
IDENTIFIER : CAL3-10PPM
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.065	16844	PV	.047	20.91955
1.835	31917	VP	.074	39.63958
2.139	31757	PV	.087	39.44088

TOTAL AREA= 80518
MUL FACTOR=1.0000E+00

*ID CAL4-50PPM

* RUN #16486 JAN 20, 2021 12:09:55
START



RUN# 16486 JAN 20, 2021 12:09:55

IDENTIFIER : CAL4-50PPM
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.070	79772	PB	.046	20.29729
1.840	158708	PB	.075	40.38187
2.145	154538	BB	.087	39.32085

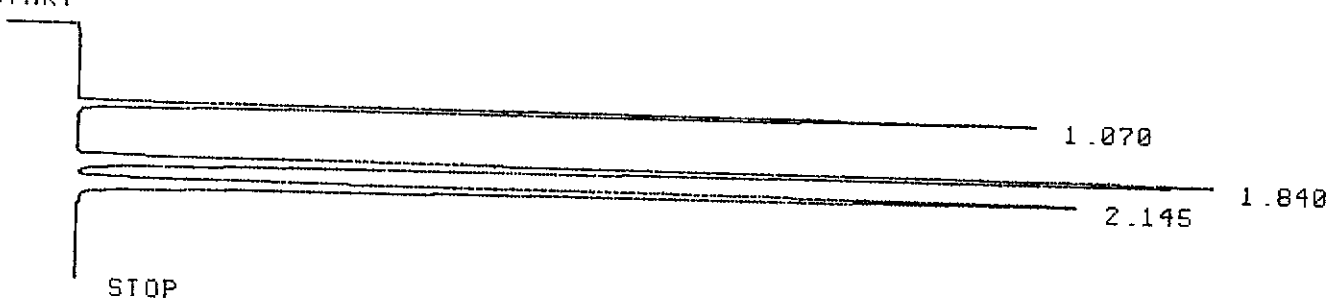
TOTAL AREA= 393018
MUL FACTOR=1.0000E+00

*CAL5-100PPM

INVALID SYSTEM COMMAND

*ID CAL5-100PPM

* RUN #16487 JAN 20, 2021 12:14:46
START



RUN# 16487 JAN 20, 2021 12:14:46

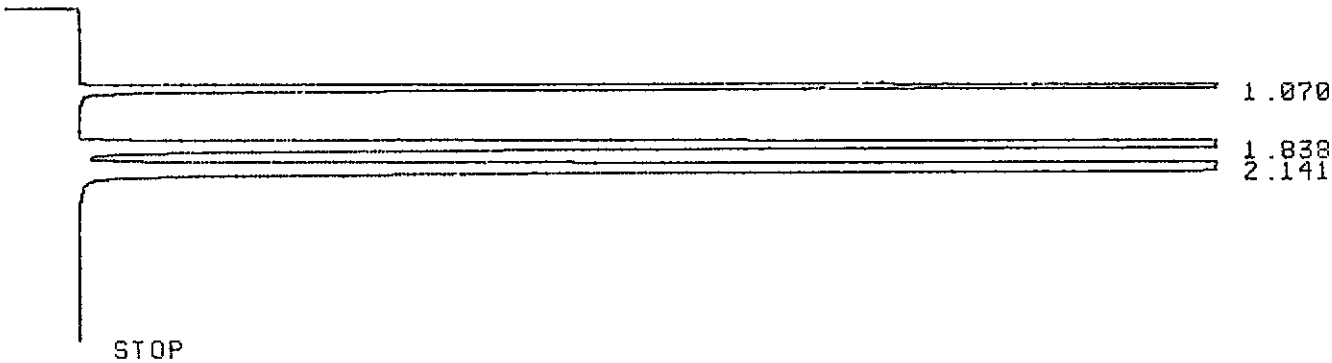
IDENTIFIER : CAL5-100PPM
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.070	151345	PB	.047	20.22234
1.840	301225	PB	.075	40.24893
2.145	295835	BB	.088	39.52874

TOTAL AREA= 748405
MUL FACTOR=1.0000E+00

*ID CAL6-500PPM

* RUN #16488   JAN 20, 2021 12:22:48
START



RUN# 16488   JAN 20, 2021 12:22:48

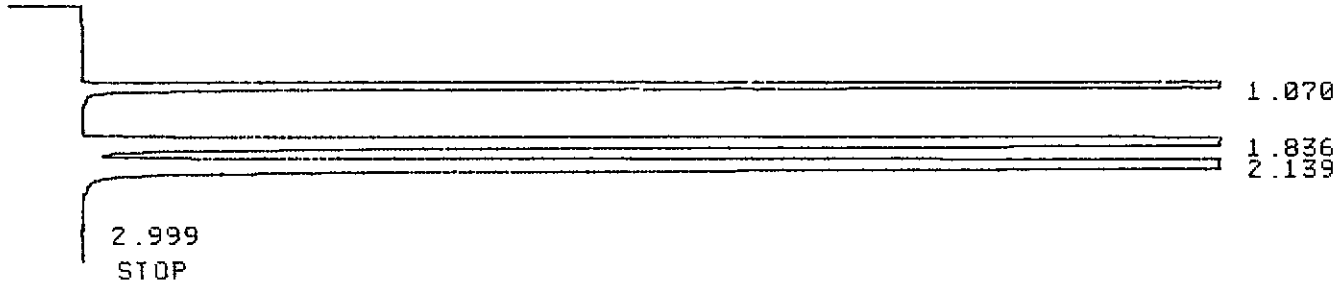
IDENTIFIER : CAL6-500PPM
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.070	714053	PB	.047	20.61195
1.838	1391019	PB	.077	40.15334
2.141	1359194	BB	.090	39.23469

TOTAL AREA=3464266
MUL FACTOR=1.0000E+00

*ID CAL7-1000PPM

* RUN #16489   JAN 20, 2021 12:31:25
START



RUN# 16489   JAN 20, 2021 12:31:25

IDENTIFIER : CAL7-1000PPM
AREA%

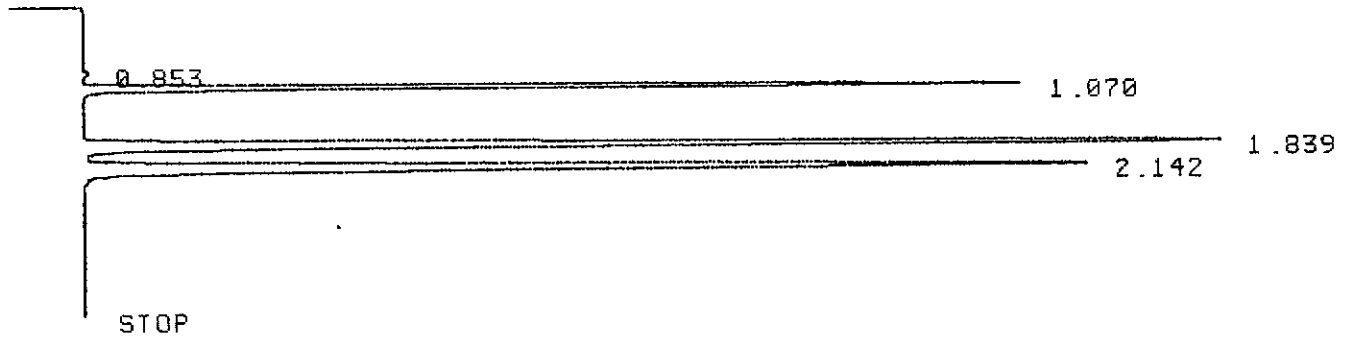
RT	AREA	TYPE	WIDTH	AREA%
1.070	1331471	PB	.049	21.86052

2.139	2333118	UB	.095	37.95542
2.999	795	PP	.068	.01293

TOTAL AREA=6146995
MUL FACTOR=1.0000E+00

*ID 10711-LCS

* RUN #16490 JAN 20, 2021 12:36:18
START



RUN# 16490 JAN 20, 2021 12:36:18

IDENTIFIER : 10711-LCS
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.853	1141	PU	.054	.15069
1.070	154662	BB	.049	20.42627
1.839	303645	BU	.075	40.10251
2.142	297724	UU	.088	39.32053

TOTAL AREA= 757172
MUL FACTOR=1.0000E+00

*

Energy Laboratories Inc

ANALYTICAL RUN Summary

10-Feb-22

Run ID FID-HEADSPACE_220209A

Run Start Date: 2/9/2022
Analyst: Jeff Whitmer
Ical:
Column ID: porapak Q
Comments: See Preservation Comment column for sample pH; thermometer used for temp:S94278.

Instrument ID	Description
1000_SGE_041819	1000 mL SGE Syringe _ Gas Tight

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
10711	HC-Methane-W-CCV	0.3	ml			lcs	8/9/2022
12173	HC-Methane-W-CCV	0.3	ml			CCV	11/23/2023

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028993	CCV	HC-METHANE-	CCV		2/9/2022 9:14:00	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	ppm		100.812100		100	0	0	2	2	0	101%	85	115	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028994	LCS	HC-METHANE-	LCS		2/9/2022 9:19:00	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	ppm		96.5665691		100	0	0	2	2	0	97%	85	115	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028995	LCSD	HC-METHANE-	LCSD		2/9/2022 9:23:00	1	R374500		0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	ppm		98.7811113		100	0	96.566569	2	2	0	99%	85	115	2%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028996	MBLK	HC-METHANE-	MBLK		2/9/2022 10:30:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.001	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028997	B22020415-001I	HC-METHANE-	SAMP		2/9/2022 10:39:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0.00204736			0	0	0.000704	0.002	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028998	B22020415-001I	HC-METHANE-	DUP		2/9/2022 10:45:0	1	R374500		0	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0.00210542			0	0.0020474	0.000704	0.002	0	0%	0	0	3%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15028999	B22020415-005	HC-METHANE-	SAMP		2/9/2022 10:50:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029000	B22020415-006I	HC-METHANE-	SAMP		2/9/2022 11:14:0	78	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0.3771443			0	0	0.054912	0.156	0	0%	0	0	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029001	B22020415-010	HC-METHANE-	SAMP		2/9/2022 11:22:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

2

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029002	B22020415-011I	HC-METHANE-	SAMP		2/9/2022 11:29:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029003	B22020415-015	HC-METHANE-	SAMP		2/9/2022 11:35:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029004	B22020415-017I	HC-METHANE-	SAMP		2/9/2022 11:41:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029005	B22020415-021	HC-METHANE-	SAMP		2/9/2022 11:49:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029006	B22020415-022I	HC-METHANE-	SAMP		2/9/2022 12:03:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029007	B22020415-026	HC-METHANE-	SAMP		2/9/2022 12:11:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029008	B22020415-027I	HC-METHANE-	SAMP		2/9/2022 12:17:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029009	B22020415-031	HC-METHANE-	SAMP		2/9/2022 12:25:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029010	B22020415-032I	HC-METHANE-	SAMP		2/9/2022 12:32:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029011	B22020415-036	HC-METHANE-	SAMP		2/9/2022 12:38:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	mg/L		0			0	0	0.000704	0.002	0	0%	0	0	0%	U

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15029012	CCV	HC-METHANE-	CCV		2/9/2022 12:47:0	1	R374500		0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
Methane	A	ppm		99.5178303		100	0	0	2	2	0	100%	85	115	0%	

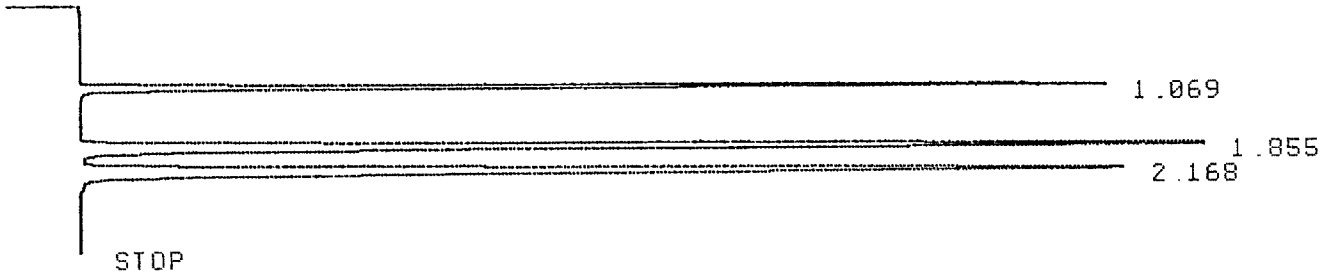
4

Sample ID	Area Count	Dilution Factor	Temperature (C)	Concentration	Date/Time Analyzed	Analyst	Sample Type	Test Code	Analyte	Headspace Volume	Liquid Volume
CCV	160923	1	20	100.8121002	2/9/2022 9:14	jdw	CCV	HC-METHANE-CCV	Methane		
LCS	154146	1	20	96.56656912	2/9/2022 9:19	jdw	LCS	HC-METHANE-CCV	Methane		
LCSD	157681	1	20	98.78111132	2/9/2022 9:23	jdw	LCSD	HC-METHANE-CCV	Methane		
MBLK	833	1	20	0.000121203	2/9/2022 10:30	jdw	MBLK	HC-METHANE-W	Methane	10	32
B22020415-001I	14904	1	20	0.002047361	2/9/2022 10:39	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-001IDUP	15303	1	20	0.002105417	2/9/2022 10:45	jdw	DUP	HC-METHANE-W	Methane	10	32
B22020415-005A	945	1	20	1.62962E-05	2/9/2022 10:50	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-006I	34064	78	20	0.377144299	2/9/2022 11:14	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-010A	1108	1	20	4.00131E-05	2/9/2022 11:22	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-011I	756	1	20	-1.12037E-05	2/9/2022 11:29	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-015A	1425	1	20	8.61373E-05	2/9/2022 11:35	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-017I	1879	1	20	0.000152195	2/9/2022 11:41	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-021A	1028	1	20	2.83729E-05	2/9/2022 11:49	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-022I	837	1	20	5.82009E-07	2/9/2022 12:03	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-026A	993	1	20	2.32804E-05	2/9/2022 12:11	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-027I	933	1	20	1.45502E-05	2/9/2022 12:17	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-031A	1187	1	20	5.15078E-05	2/9/2022 12:25	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-032I	993	1	20	2.32804E-05	2/9/2022 12:32	jdw	SAMP	HC-METHANE-W	Methane	10	32
B22020415-036A	1025	1	20	2.79364E-05	2/9/2022 12:38	jdw	SAMP	HC-METHANE-W	Methane	10	32
CCV	158857	1	20	99.51783031	2/9/2022 12:47	jdw	CCV	HC-METHANE-CCV	Methane		

JAW
2/9/2022

*ID 12173-500X-CCV

* RUN #19315   FEB 9, 2022 09:14:15
START



RUN# 19315   FEB 9, 2022 09:14:15

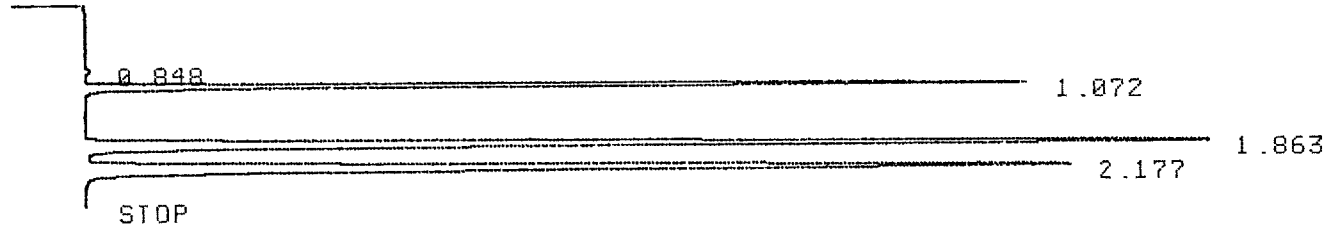
IDENTIFIER : 12173-500X-C
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.069	160923	PU	.046	20.22283
1.855	319909	PB	.075	40.20226
2.168	314917	BB	.088	39.57493

TOTAL AREA= 795749
MUL FACTOR=1.0000E+00

*ID 10711-LCS

* RUN #19316   FEB 9, 2022 09:19:14
START



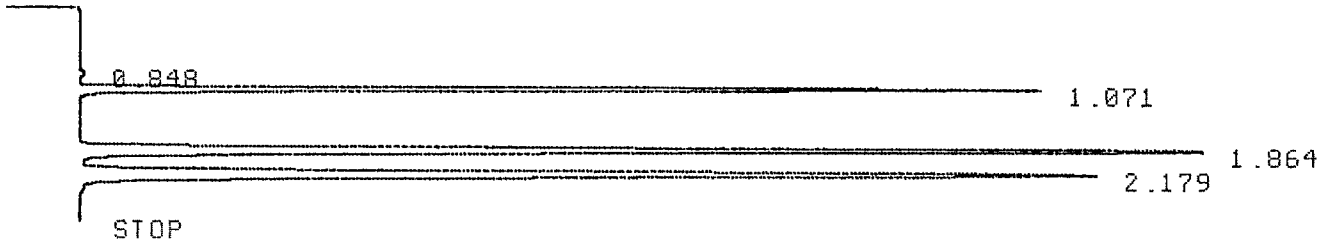
IDENTIFIER : 10711-LCS
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.848	1244	VV	.063	.16426
1.072	154146	PB	.048	20.35425
1.863	305017	PB	.076	40.27606
2.177	296909	BP	.088	39.20542

TOTAL AREA= 757316
MUL FACTOR=1.0000E+00

*ID 10711-LCSD

* RUN #19317 FEB 9, 2022 09:23:34
START



RUN# 19317 FEB 9, 2022 09:23:34

IDENTIFIER : 10711-LCSD
AREA%

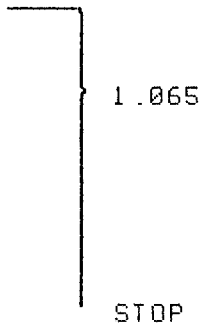
RT	AREA	TYPE	WIDTH	AREA%
.848	1143	PV	.055	.14630
1.071	157681	PB	.048	20.18247
1.864	314103	PB	.076	40.20379
2.179	308350	BV	.089	39.46744

TOTAL AREA= 781277
MUL FACTOR=1.0000E+00

*
*

*ID MB

* RUN #19318   FEB 9, 2022 10:30:54
START



RUN# 19318   FEB 9, 2022 10:30:54

IDENTIFIER : MB
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.065	833	VV	.057	100.00000

TOTAL AREA=   833
MUL FACTOR=1.0000E+00

*ID 415-1I

* RUN #19319   FEB 9, 2022 10:39:11
START

RUN# 19319   FEB 9, 2022 10:39:11

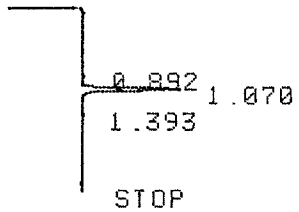
IDENTIFIER : 415-1I
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.068	14904	PV	.046	100.00000

TOTAL AREA= 14904
MUL FACTOR=1.0000E+00

*
*ID 415-1IDUP

* RUN #19320   FEB 9, 2022 10:45:16
START



RUN# 19320   FEB 9, 2022 10:45:16

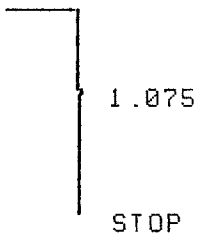
IDENTIFIER : 415-1IDUP
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.892	427	PP	.056	2.64658
1.070	15303	BV	.045	94.84941
1.393	404	PV	.048	2.50403

TOTAL AREA= 16134
MUL FACTOR=1.0000E+00

*ID 415-5A

* RUN #19321   FEB 9, 2022 10:50:59
START



RUN# 19321   FEB 9, 2022 10:50:59

IDENTIFIER : 415-5A
AREA%

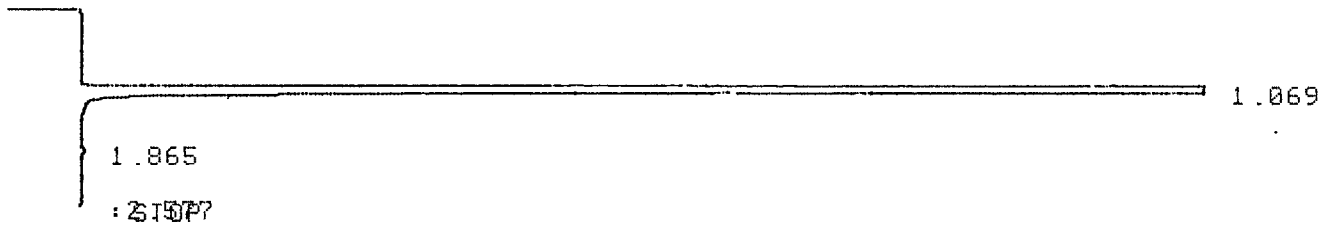
RT	AREA	TYPE	WIDTH	AREA%
1.075	945	PP	.063	100.00000

TOTAL AREA=   945
MUL FACTOR=1.0000E+00

*ID 415-6I

```
*
*ID 415-6I


*  RUN #19322      FEB  9, 2022  10:56:51
START
```




```
RUN# 19322           FEB  9, 2022  10:56:51

IDENTIFIER : 415-6I
AREA%
       RT       AREA TYPE  WIDTH       AREA%
   1.069    2230485   PB    .052    99.93654
   1.865       1416   PV    .091      .06344

TOTAL AREA=2231901
MUL FACTOR=1.0000E+00



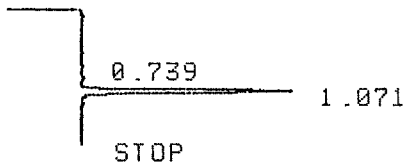

*  PLOT
```

```
STOP

*
```

*ID 415-6I-78X

* RUN #19323   FEB 9, 2022 11:14:05
START



RUN# 19323   FEB 9, 2022 11:14:05

IDENTIFIER : 415-6I-78X
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.739	423	PU	.056	1.22655
1.071	34064	PU	.047	98.77347

TOTAL AREA= 34487
MUL FACTOR=1.0000E+00

* PLOT

*ID 415-10A

* RUN #19324   FEB 9, 2022 11:22:35
START

RUN# 19324   FEB 9, 2022 11:22:35

IDENTIFIER : 415-10A
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.074	1108	PU	.054	100.00000

MUL FACTOR=1.0000E+00

*ID 415-11I

* RUN #19325   FEB 9, 2022 11:29:00
START

RUN# 19325   FEB 9, 2022 11:29:00

IDENTIFIER : 415-11I
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.072	756	PU	.049	100.00000

TOTAL AREA=   756
MUL FACTOR=1.0000E+00

*ID 415-15A

* RUN #19326   FEB 9, 2022 11:35:15
START

RUN# 19326   FEB 9, 2022 11:35:15

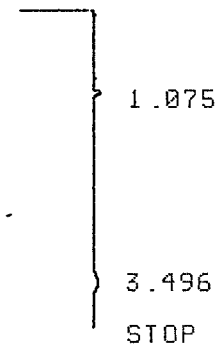
IDENTIFIER : 415-15A
AREA%

RT	AREA	TYPE	WIDTH	AREA%
.418	552	PU	.072	27.92110
1.079	1425	PU	.066	72.07891

TOTAL AREA=   1977
MUL FACTOR=1.0000E+00

*ID 415-17I

* RUN #19327   FEB 9, 2022 11:41:26
START



RUN# 19327   FEB 9, 2022 11:41:26

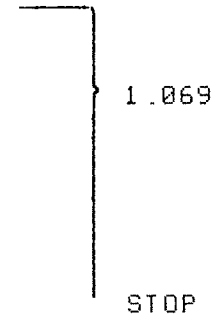
IDENTIFIER : 415-17I
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.075	1879	PP	.061	75.31062
3.496	616	VV	.045	24.68938

TOTAL AREA=   2495
MUL FACTOR=1.0000E+00

*ID 415-21A

* RUN #19328   FEB 9, 2022 11:49:58
START



RUN# 19328   FEB 9, 2022 11:49:58

IDENTIFIER : 415-21A
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.069	1028	VP	.057	100.00000

TOTAL AREA=   1028
MUL FACTOR=1.0000E+00

*ID 415-22I

* RUN #19329   FEB 9, 2022 12:03:49
START

RUN# 19329   FEB 9, 2022 12:03:49

IDENTIFIER : 415-22I
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.075	837	VP	.065	100.00000

TOTAL AREA=   837
MUL FACTOR=1.0000E+00

*ID 415-26A

* RUN #19330   FEB 9, 2022 12:11:00
START

RUN# 19330   FEB 9, 2022 12:11:00

IDENTIFIER : 415-26A
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.078	993	PU	.056	100.00000

TOTAL AREA=   993
MUL FACTOR=1.0000E+00

*K

*ID 415-27I

* RUN #19331   FEB 9, 2022 12:17:22
START

RUN# 19331   FEB 9, 2022 12:17:22

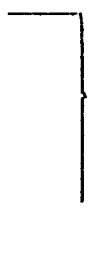
IDENTIFIER : 415-27I
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.079	933	VP	.067	100.00000

TOTAL AREA=   933
MUL FACTOR=1.0000E+00

*ID 415-31A

* RUN #19332   FEB 9, 2022 12:25:56
START



RUN# 19332   FEB 9, 2022 12:25:56

IDENTIFIER : 415-31A
AREA%

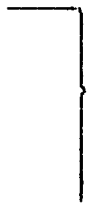
RT	AREA	TYPE	WIDTH	AREA%
1.077	1187	PU	.067	100.00000

TOTAL AREA=   1187
MUL FACTOR=1.0000E+00

*
*

*ID 415-32I

* RUN #19333   FEB 9, 2022 12:32:42
START



RUN# 19333   FEB 9, 2022 12:32:42

IDENTIFIER : 415-32I
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.075	993	VP	.063	100.00000

TOTAL AREA=   993
MUL FACTOR=1.0000E+00

*ID 415-36A

* RUN #19334   FEB 9, 2022 12:38:58
START

RUN# 19334   FEB 9, 2022 12:38:58

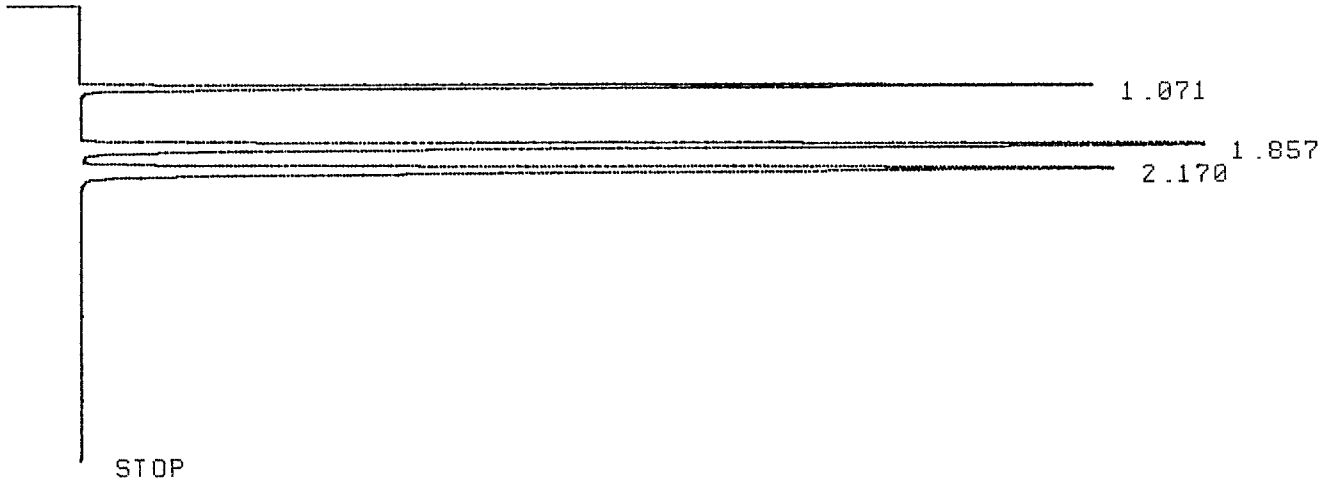
IDENTIFIER : 415-36A
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.079	1025	PU	.059	100.00000

TOTAL AREA=   1025
MUL FACTOR=1.0000E+00

*ID 12173-500X-CCU

* RUN #19335   FEB 9, 2022 12:47:10
START



RUN# 19335   FEB 9, 2022 12:47:10

IDENTIFIER : 12173-500X-C
AREA%

RT	AREA	TYPE	WIDTH	AREA%
1.071	158857	PB	.046	20.12866
1.857	317779	PU	.076	40.26557
2.170	312572	VB	.088	39.60579

TOTAL AREA= 789208
MUL FACTOR=1.0000E+00

*

Energy Laboratories Inc

Spike LOG

Standard ID:	12173		
Standard Name	HC-Methane-W-CCV	Type:	Primary
Date Prepared	11/22/2019	BY:	
Date Expires:	11/23/2023		
Department	GAS	Status:	New
Vendor:	Matheson		
Lot Number:	109-96-04454		
Balance ID:			

Comments: CCV Gas Standard for Methane, Ethene, Ethane: 50000ppm stock diluted from 100 - 500ppm with Helium for CCV. Diluted from 2.5ppm - 1000ppm with Helium for Calibration.

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
3 Multi-Component Gas Standard in Ni	12173		mL	11/23

Final Volume: mL

Stock Source	**Base Units**	**Amount Added**
Analytes	**CAS**	Conc: **ug/mL**

MATHESON TRI-GAS INC
1650 Enterprise Pkwy
Twinsburg, OH 44087
1-215-648-4000

CERTIFICATE OF ANALYSIS

Energy Laboratories Inc
1120 South 27th Street
Billings, MT 59101

Ref Po# 3008099

14 LITER DISPOSABLE

LOT NUMBER: 109-96-04454

COMPONENT	CONCENTRATION	
methane	50010	ppm
ethane	50030	ppm
ethylene	50030	ppm
nitrogen	Bal	

ITEM NUMBER: GMT2685284TC

CGA: 160

PSIG: 240

FILL DATE: 11/22/19

EXPIRATION DATE: 11/23/23

ID #: 12173
Opened:_____
3 Multi-Component Gas Standard in Nitrogen
Expires: 11/23/2023
Rec'd: 12/3/2019
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Above are the results of the analysis you requested, as reported by our laboratory. Results are in mole percent, unless otherwise indicated. Mixture accuracy is ± 2%. NIST traceable by weights or gaseous standards.

Judith M Zadravec

Judy Zadravec, Chemist

10/19/2018

DATE

Energy Laboratories Inc

Spike LOG

Standard ID:	10711		
Standard Name	HC-Methane-W-CCV	Type:	Primary
Date Prepared	8/8/2018	BY:	
Date Expires:	8/9/2022		
Department	GAS	Status:	New
Vendor:	Matheson		
Lot Number:	109-86-03507		
Balance ID:			

Comments: LCS Gas Standard for Methane, Ethene, Ethane: 100ppm per standard used undiluted for LCS

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
3 Multi-Component Gas Standard in Ni	10711		mL	8/9/2

Final Volume: mL

Stock Source	**Base Units**	**Amount Added**
Analytes	**CAS**	Conc: **ug/mL**

Page: *1 of 1*

MATHESON TRI-GAS INC
1650 Enterprise Pkwy
Twinsburg, OH 44087
1-215-648-4000

CERTIFICATE OF ANALYSIS

Energy Laboratories Inc
1120 South 27th Street
Billings, MT 59101

Ref Po# 3005062

14 LITER DISPOSABLE

LOT NUMBER: 109-86-03507

COMPONENT	CONCENTRATION	
methane	100.0	ppm
ethane	100.0	ppm
ethylene	100.0	ppm
nitrogen	Bal	

ITEM NUMBER: GMT2677328TC

CGA: *160*

PSIG: 240

FILL DATE: 08/08/18

EXPIRATION DATE: 08/09/22

Above are the results of the analysis you requested, as reported by our laboratory. Results are in mole percent, unless otherwise indicated. Mixture accuracy is ± 2%. NIST traceable by weights or gaseous standards.

Judith M Zadravec

Judy Zadravec, Chemist

8/14/2018

DATE

ID #: 10711
Opened:
3 Multi-Component Gas Standard in Nitrogen
Expires: 8/9/2022
Rec'd: 8/27/2018
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

PREP BATCH REPORT

Prep Batch **163636** | Prep Code: **PRP-8011-W** | Prep Temp **NA °C** | Technician: **Carry L Tran** | Batch Units: **ML** | Prep Start Date: **2/9/2022 9:54:41 AM** | Prep End Date: **2/9/2022 1:50:00 PM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
MB-163636		6	35	0	0	2.0	0.057		2/9/2022	2/9/2022
	CLT spiked and surrogated. SRC witnessed and assisted.									
LCS-163636		6	35	0	0	2.0	0.057		2/9/2022	2/9/2022
	Samples went on solvent at 1130am									
LCS1-163636		6	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
	Unlocked to add comments- CLT 2/9/22									
CAL1-163636		6	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
	Unlocked to add comments- CLT 2/10/22									
CAL7-163636		6	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
	5mL_19K50667 calibrated/passed on 02/09/2022 prior to the extraction.									
CAL2-163636		6	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
CAL3-163636		6	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
CAL4-163636		6	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
CAL5-163636		6	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
B22010745-005A	Trip Blank	6	34	0	0	2.0	0.058	Bal #25	2/9/2022	2/9/2022
	Vial 1/2. Combined vial and sample weight of 63.54g with cap on. Empty vial weight with cap on 29.04g= 34.50g.									
B22020415-001H	Ground Water	1	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
	Vial 1/3. Combined vial and sample weight of 60.76g with cap on. Empty vial weight with cap on 25.44g= 35.32g.Entire sample consumed in extraction.									
B22020415-001HMS	Ground Water	1	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
	Vial 2/3. Combined vial and sample weight of 61.11g with cap on. Empty vial weight with cap on 25.91g= 35.20g.Entire sample consumed in extraction.									
B22020415-001HMSD	Ground Water	1	36	0	0	2.0	0.056	Bal #25	2/9/2022	2/9/2022
	Vial 3/3. Combined vial and sample weight of 61.24g with cap on. Empty vial weight with cap on 25.74g= 35.50g.Entire sample consumed in extraction.									
B22020415-004A	Trip Blank	1	35	0	0	2.0	0.056	Bal #25	2/9/2022	2/9/2022
	Vial 1/1. Combined vial and sample weight of 61.19g with cap on. Empty vial weight with cap on 25.76g= 35.43g.Entire sample consumed in extraction.									
B22020415-006H	Ground Water	1	36	0	0	2.0	0.056	Bal #25	2/9/2022	2/9/2022
	Vial 1/3. Combined vial and sample weight of 61.70g with cap on. Empty vial weight with cap on 25.68g= 36.02g.									

Number	Reagent Name	Exp Date	
11	Carbon Filter Water	1/1/2023	35mL
13776	4ML, Amber Vial, 24163942	4/20/2026	
14206	pH-indicator Strips 0-14 HC160347	8/26/2026	
14500	40 mL Clear VOA Lot 00081369	11/9/2026	
14543	Hexane EB754	6/4/2023	2mL
14729	Laboratory Fortified Blank Sample Concentrate	2/6/2023	14uL,3

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
NaCl 01/22/22(13	Baked Sodium Chloride	ALL	7g	6/15/2026
PH011922504Su	504.1 Surrogate (0.1ug/mL)MeOH	ALL Except CALs	35uL	3/20/2023
PH011122504C1	504.1 Cal Stock 1(0.007ug/mL) MeO	CAL1,CAL7	50µL,100	2/12/2023
PH011122504C2	504.1 Cal Stock 2(0.07ug/mL) MeOH	CAL2,CAL3,CAL4	25µL,50µ	2/12/2023
PH011122504C3	504.1 Cal Stock 3(0.7ug/mL) MeOH	CAL5,CAL6	20µL,50µ	2/12/2023

PREP BATCH REPORT

Prep Batch **163636** Prep Code: **PRP-8011-W** Prep Temp **NA °C** Technician: **Carry L Tran** Batch Units: **ML** Prep Start Date: **2/9/2022 9:54:41 AM** Prep End Date: **2/9/2022 1:50:00 PM**

Sample ID	Matrix	pH	Initial Samp Amt	Sol Added	Sol Recovered	Final Vol (mL)	Factor	Balance	Prep Start Date	Prep End Date
B22020415-009A	Trip Blank	1	36	0	0	2.0	0.056	Bal #25	2/9/2022	2/9/2022
Vial 1/1. Combined vial and sample weight of 61.74g with cap on. Empty vial weight with cap on 26.18g= 35.56g.Entire sample consumed in extraction.										
B22020415-011H	Ground Water	1	36	0	0	2.0	0.056	Bal #25	2/9/2022	2/9/2022
Vial 1/3. Combined vial and sample weight of 61.15g with cap on. Empty vial weight with cap on 25.62g= 35.53g.Slight sediment present in sample. Entire sample consumed in extraction.										
B22020415-014A	Trip Blank	1	35	0	0	2.0	0.056	Bal #25	2/9/2022	2/9/2022
Vial 1/1. Combined vial and sample weight of 61.07g with cap on. Empty vial weight with cap on 25.64g= 35.43g.Entire sample consumed in extraction.										
B22020415-017H	Ground Water	1	35	0	0	2.0	0.056	Bal #25	2/9/2022	2/9/2022
Vial 1/3. Combined vial and sample weight of 61.62g with cap on. Empty vial weight with cap on 26.17g= 35.45g.Slight sediment present in sample.										
B22020415-020A	Trip Blank	1	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
Vial 1/1. Combined vial and sample weight of 61.07g with cap on. Empty vial weight with cap on 25.89g= 35.18g.Entire sample consumed in extraction.										
B22020415-022H	Ground Water	1	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
Vial 1/3. Combined vial and sample weight of 61.07g with cap on. Empty vial weight with cap on 25.68g= 35.39g.										
B22020415-025A	Trip Blank	1	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
Vial 1/1. Combined vial and sample weight of 61.38g with cap on. Empty vial weight with cap on 26.13g= 35.25g.Entire sample consumed in extraction.										
B22020415-027H	Ground Water	1	36	0	0	2.0	0.056	Bal #25	2/9/2022	2/9/2022
Vial 1/3. Combined vial and sample weight of 61.28g with cap on. Empty vial weight with cap on 25.71g= 35.57g.										
B22020415-030A	Trip Blank	1	35	0	0	2.0	0.056	Bal #25	2/9/2022	2/9/2022
Vial 1/1. Combined vial and sample weight of 61.17g with cap on. Empty vial weight with cap on 25.72g= 35.45g.Entire sample consumed in extraction.										
B22020415-032H	Ground Water	1	36	0	0	2.0	0.056	Bal #25	2/9/2022	2/9/2022
Vial 1/3. Combined vial and sample weight of 61.36g with cap on. Empty vial weight with cap on 25.68g= 35.68g.										
B22020415-035A	Trip Blank	1	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022
Vial 1/1. Combined vial and sample weight of 61.15g with cap on. Empty vial weight with cap on 25.97g= 35.18g.Entire sample consumed in extraction.										
CAL6-163636		6	35	0	0	2.0	0.057	Bal #25	2/9/2022	2/9/2022

Number	Reagent Name	Exp Date	
11	Carbon Filter Water	1/1/2023	35mL
13776	4ML, Amber Vial, 24163942	4/20/2026	
14206	pH-indicator Strips 0-14 HC160347	8/26/2026	
14500	40 mL Clear VOA Lot 00081369	11/9/2026	
14543	Hexane EB754	6/4/2023	2mL
14729	Laboratory Fortified Blank Sample Concentrate	2/6/2023	14uL,3

Spk ID	Spike Name	SampType	AmtAdd	Exp Date
NaCl 01/22/22(13	Baked Sodium Chloride	ALL	7g	6/15/2026
PH011922504Su	504.1 Surrogate (0.1ug/mL)MeOH	ALL Except CALs	35uL	3/20/2023
PH011122504C1	504.1 Cal Stock 1(0.007ug/mL) MeO	CAL1,CAL7	50µL,100	2/12/2023
PH011122504C2	504.1 Cal Stock 2(0.07ug/mL) MeOH	CAL2,CAL3,CAL4	25µL,50µ	2/12/2023
PH011122504C3	504.1 Cal Stock 3(0.7ug/mL) MeOH	CAL5,CAL6	20µL,50µ	2/12/2023

Energy Laboratories Inc

ANALYTICAL RUN Summary

09-Mar-22

Run ID GECD.I_220211A

Run Start Date:	2/11/2022
Analyst:	Carry L Tran
Ical:	
Column ID:	RTX-CLP_0.53
Comments:	

Std ID	Std Name	Std Amount	Std Units	Samp Amount	Samp Units	SampType	Expiration Date
SeePrepRecord	Standards Tracked in Prep Batch						2/4/2050

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034011	CAL1-163636	PST-8011-W	CAL1	GECD.I\G021122\	2/11/2022 11:36:	1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.00932	0.0092967		0.01	0	0	0.0025835	0.01	0	93%	60	140	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.01128	0.0112518		0.01	0	0	0.0056259	0.02	0	113%	60	140	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034012	CAL7-163636	PST-8011-W	CAL7	GECD.I\G021122\	2/11/2022 11:56:	1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.02267	0.02261333		0.02	0	0	0.0025835	0.01	0	113%	70	130	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.0195	0.01945125		0.02	0	0	0.0056259	0.02	0	97%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034013	CAL2-163636	PST-8011-W	CAL2	GECD.I\G021122\	2/11/2022 12:15:	1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.05372	0.0535857		0.05	0	0	0.0025835	0.01	0	107%	70	130	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.04673	0.04661318		0.05	0	0	0.0056259	0.02	0	93%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034014	CAL3-163636	PST-8011-W	CAL3	GECD.I\G021122\2/11/2022 12:35:		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.10325	0.10299188		0.1	0	0	0.0025835	0.01	0	103%	70	130	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.09344	0.0932064		0.1	0	0	0.0056259	0.02	0	93%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034015	CAL4-163636	PST-8011-W	CAL4	GECD.I\G021122\2/11/2022 12:55:		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.20572	0.2052057		0.2	0	0	0.0025835	0.01	0	103%	70	130	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.20009	0.19958978		0.2	0	0	0.0056259	0.02	0	100%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034016	CAL5-163636	PST-8011-W	CAL5	GECD.I\G021122\2/11/2022 1:15:3		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.39354	0.39255615		0.4	0	0	0.0025835	0.01	0	98%	70	130	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.41259	0.41155853		0.4	0	0	0.0056259	0.02	0	103%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034017	CAL6-163636	PST-8011-W	CAL6	GECD.I\G021122\2/11/2022 1:35:2		1	163636	2/9/2022 10:	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	1.00094	0.99843765		1	0	0	0.0025835	0.01	0	100%	70	130	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.99622	0.99372945		1	0	0	0.0056259	0.02	0	99%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034018	LCS-163636	PST-8011-W	ICV	GECD.I\G021122\2/11/2022 2:14:5		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.23292	0.2323377		0.25	0	0	0.0025835	0.01	0	93%	80	120	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.09793	0.09768518		0.1	0	0	0.0056259	0.02	0	98%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034019	CAL3-163636	PST-8011-W	CCV3	GECD.I\G021122\2/11/2022 2:34:4		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.10845	0.10817888		0.1	0	0	0.0025835	0.01	0	108%	80	120	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.10045	0.10019888		0.1	0	0	0.0056259	0.02	0	100%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034020	MB-163636	PST-8011-W	MBLK	GECD.I\G021122\2/11/2022 2:54:3		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025835	0.005	0	0%	0	0	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.09244	0.0922089		0.1	0	0	0.0056259	0.02	0	92%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034021	LCS-163636	PST-8011-W	LCS-DOD	GECD.I\G021122\2/11/2022 3:14:1		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.23043	0.22985393		0.25	0	0	0.0025835	0.01	0	92%	60	140	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.09495	0.09471263		0.1	0	0	0.0056259	0.02	0	95%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034022	LCS1-163636	PST-8011-W	LCS1	GECD.I\G021122\2/11/2022 3:34:0		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.09614	0.09589965		0.1	0	0	0.0025835	0.01	0	96%	60	140	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.09544	0.0952014		0.1	0	0	0.0056259	0.02	0	95%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034023	B22010745-005	PST-8011-W	SAMP	GECD.I\G021122\2/11/2022 4:13:4		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0026289	0.01015	0	0%	0	0	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.09227	0.09365405		0.1	0	0	0.0057246	0.02	0	94%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034024	B22020415-004	PST-8011-W	SAMP	GECD.I\G021122\2/11/2022 4:33:4		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025382	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.09198	0.0901404		0.099	0	0	0.0055272	0.02	0	91%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034025	B22020415-006	PST-8011-W	SAMP	GECD.I\G021122\2/11/2022 4:53:3		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025382	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.0962	0.094276		0.097	0	0	0.0055272	0.02	0	97%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034026	B22020415-009	PST-8011-W	SAMP	GECD.I\G021122\2/11/2022 5:13:3		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025382	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.10338	0.1013124		0.098	0	0	0.0055272	0.02	0	103%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034027	B22020415-011	PST-8011-W	SAMP	GECD.I\G021122\2/11/2022 5:33:2		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025382	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.0957	0.093786		0.099	0	0	0.0055272	0.02	0	95%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034028	B22020415-014	PST-8011-W	SAMP	GECD.I\G021122\2/11/2022 5:53:1		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025382	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.09499	0.0930902		0.099	0	0	0.0055272	0.02	0	94%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034029	B22020415-017	PST-8011-W	SAMP	GECD.I\G021122\2/11/2022 6:13:1		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025382	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.0921	0.090258		0.099	0	0	0.0055272	0.02	0	91%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034030	B22020415-020	PST-8011-W	SAMP	GECD.I\G021122\2/11/2022 6:32:5		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025835	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.09691	0.09666773		0.099	0	0	0.0056259	0.02	0	98%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034031	B22020415-001	PST-8011-W	SAMP	GECD.I\G021122\2/11/2022 6:52:4		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025835	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.09507	0.09483233		0.099	0	0	0.0056259	0.02	0	96%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034032	B22020415-001	PST-8011-W	MS-DOD	GECD.I\G021122\2/11/2022 7:12:3		1	163636	2/9/2022 9:5	2E+07	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.23036	0.2297841		0.2475	0	0	0.0025835	0.01	0	93%	60	140	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.09678	0.09653805		0.099	0	0	0.0056259	0.02	0	98%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034033	B22020415-001	PST-8011-W	MSD-DOD	GECD.I\G021122\2/11/2022 7:32:2		1	163636	2/9/2022 9:5	2E+07	2E+07	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.23144	0.2268112		0.2475	0	0.2297841	0.0025382	0.01	0	92%	60	140	1%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.09819	0.0962262		0.099	0	0	0.0055272	0.02	0	97%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034034	CAL5-163636	PST-8011-W	CCV4	GECD.I\G021122\	2/11/2022 8:12:0	1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.4001	0.39909975		0.4	0	0	0.0025835	0.01	0	100%	80	120	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.43939	0.43829153		0.4	0	0	0.0056259	0.02	0	110%	80	120	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034035	B22020415-022	PST-8011-W	SAMP	GECD.I\G021122\	2/11/2022 8:51:3	1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025835	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.09248	0.0922488		0.099	0	0	0.0056259	0.02	0	93%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034036	B22020415-025	PST-8011-W	SAMP	GECD.I\G021122\	2/11/2022 9:11:2	1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025835	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.09543	0.09519143		0.099	0	0	0.0056259	0.02	0	96%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034037	B22020415-027	PST-8011-W	SAMP	GECD.I\G021122\	2/11/2022 9:31:0	1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025382	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.09687	0.0949326		0.098	0	0	0.0055272	0.02	0	97%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034038	B22020415-030	PST-8011-W	SAMP	GECD.I\G021122\	2/11/2022 9:50:4	1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025382	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.09486	0.0929628		0.099	0	0	0.0055272	0.02	0	94%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034039	B22020415-032	PST-8011-W	SAMP	GECD.I\G021122\2/11/2022 10:10:		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025382	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.09916	0.0971768		0.098	0	0	0.0055272	0.02	0	99%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034040	B22020415-035	PST-8011-W	SAMP	GECD.I\G021122\2/11/2022 10:30:		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0	0		0	0	0	0.0025835	0.01	0	0%	0	0	0%	U
1,1,1,2-Tetrachloroethane	S	ug/L	0.09497	0.09473258		0.099	0	0	0.0056259	0.02	0	96%	70	130	0%	

Seq No	Lab ID	Test Code	Sample Typ	File ID	Analysis Date	DF	Batch ID	Prep Date	SPKref	RPDref	pmoist
15034041	CAL3-163636	PST-8011-W	CCV3	GECD.I\G021122\2/11/2022 11:10:		1	163636	2/9/2022 9:5	0	0	

Analyte	T	Units	RAW	Final	Text	Spike	SPKref	RPDref	MDL	PQL	UQL	%REC	LOW	HIGH	%RPD	Q
1,2-Dibromoethane	A	ug/L	0.10375	0.10349063		0.1	0	0	0.0025835	0.01	0	103%	80	120	0%	
1,1,1,2-Tetrachloroethane	S	ug/L	0.10019	0.09993953		0.1	0	0	0.0056259	0.02	0	100%	80	120	0%	

Write Sequence | Insert Entries(Have the first cell for en

Data File	Sample Name
G:\org\GECD.i\G021122.b\G0211_001	8011Primer ;0.4ug/L$PST-8011-W,C5
G:\org\GECD.i\G021122.b\G0211_002	8011Primer ;0.4ug/L$PST-8011-W,Cal5
G:\org\GECD.i\G021122.b\G0211_003	8011Primer ;1.0ug/L$PST-8011-W,C6
G:\org\GECD.i\G021122.b\G0211_004	8011Primer ;1.0ug/L$PST-8011-W,C6
G:\org\GECD.i\G021122.b\G0211_005	8011Primer ;0.4ug/L$PST-8011-W,C5
G:\org\GECD.i\G021122.b\G0211_006	Hexane ;
G:\org\GECD.i\G021122.b\G0211_007	CAL1-163636 ;
G:\org\GECD.i\G021122.b\G0211_008	CAL7-163636 ;
G:\org\GECD.i\G021122.b\G0211_009	CAL2-163636 ;
G:\org\GECD.i\G021122.b\G0211_010	CAL3-163636 ;
G:\org\GECD.i\G021122.b\G0211_011	CAL4-163636 ;
G:\org\GECD.i\G021122.b\G0211_012	CAL5-163636 ;
G:\org\GECD.i\G021122.b\G0211_013	CAL6-163636 ;
G:\org\GECD.i\G021122.b\G0211_014	Hexane;;
G:\org\GECD.i\G021122.b\G0211_015	LCS-163636 ;
G:\org\GECD.i\G021122.b\G0211_016	CAL3-163636 ;
G:\org\GECD.i\G021122.b\G0211_017	MB-163636 ;
G:\org\GECD.i\G021122.b\G0211_018	LCS-163636 ;
G:\org\GECD.i\G021122.b\G0211_019	LCS1-163636 ;
G:\org\GECD.i\G021122.b\G0211_020	Hexane;;
G:\org\GECD.i\G021122.b\G0211_021	B22010745-005A ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_022	B22020415-004A ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_023	B22020415-006H ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_024	B22020415-009A ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_025	B22020415-011H ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_026	B22020415-014A ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_027	B22020415-017H ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_028	B22020415-020A ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_029	B22020415-001H ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_030	B22020415-001HMS ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_031	B22020415-001HMSD ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_032	Hexane;;
G:\org\GECD.i\G021122.b\G0211_033	CAL5-163636 ;
G:\org\GECD.i\G021122.b\G0211_034	Hexane;;
G:\org\GECD.i\G021122.b\G0211_035	B22020415-022H ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_036	B22020415-025A ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_037	B22020415-027H ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_038	B22020415-030A ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_039	B22020415-032H ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_040	B22020415-035A ;$PST-8011-W,
G:\org\GECD.i\G021122.b\G0211_041	Hexane;;
G:\org\GECD.i\G021122.b\G0211_042	CAL3-163636 ;
G:\org\GECD.i\G021122.b\G0211_043	

Quantitative Analysis Results Summary Report

Batch Path	\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin		
Analysis Time	2/14/2022 12:47 PM	**Analyst Name**	BL2000\ctran
Report Time	3/9/2022 2:35:23 PM	**Reporter Name**	BL2000\srcox
Last Calib Update	2/11/2022 1:49 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

Sequence Table

Data File	sample Name	Sample Type	Vial Position	Inj Vol	Level	Acq Method File
G0211_007.0007.D	CAL1-163636	CC		0	1	testAcqFileNamePath
G0211_008.0008.D	CAL7-163636	CC		0	7	testAcqFileNamePath
G0211_009.0009.D	CAL2-163636	CC		0	2	testAcqFileNamePath
G0211_010.0010.D	CAL3-163636	CC		0	3	testAcqFileNamePath
G0211_011.0011.D	CAL4-163636	CC		0	4	testAcqFileNamePath
G0211_012.0012.D	CAL5-163636	CC		0	5	testAcqFileNamePath
G0211_013.0013.D	CAL6-163636	CC		0	6	testAcqFileNamePath
G0211_015.0015.D	LCS-163636	QC		0	LCS	testAcqFileNamePath
G0211_017.0017.D	MB-163636	MethodBlank		0		testAcqFileNamePath

Quantitation Results

Compound: 1,2-Dibromoethane

Data File	Sample Type	RT	Resp	Final Conc	Exp. Conc	Accuracy
G0211_007.0007.D	CC	2.281	1733	0.0093	0.0100	93.2
G0211_008.0008.D	CC	2.278	4209	0.0227	0.0200	113.4
G0211_009.0009.D	CC	2.276	9925	0.0537	0.0500	107.4
G0211_010.0010.D	CC	2.278	18926	0.1032	0.1000	103.2
G0211_011.0011.D	CC	2.276	37103	0.2057	0.2000	102.9
G0211_012.0012.D	CC	2.277	68843	0.3935	0.4000	98.4
G0211_013.0013.D	CC	2.275	157560	1.0009	1.0000	100.1
G0211_015.0015.D	QC	2.278	41825	0.2329	0.2500	93.2
G0211_017.0017.D	Blank	2.378	0	ND		

Compound: 1,1,1,2-Tetrachloroethane

Data File	Sample Type	RT	Resp	Final Conc	Exp. Conc	Accuracy
G0211_007.0007.D	CC	2.802	1071	0.0113	0.0100	112.8
G0211_008.0008.D	CC	2.798	4019	0.0195	0.0200	97.5
G0211_009.0009.D	CC	2.794	13820	0.0467	0.0500	93.5
G0211_010.0010.D	CC	2.797	30787	0.0934	0.1000	93.4
G0211_011.0011.D	CC	2.795	70271	0.2001	0.2000	100.0
G0211_012.0012.D	CC	2.795	152037	0.4126	0.4000	103.1
G0211_013.0013.D	CC	2.793	397738	0.9962	1.0000	99.6
G0211_015.0015.D	QC	2.798	32427	0.0979	0.1000	97.9
G0211_017.0017.D	Blank	2.798	30422	0.0924		

Initial Calibration Report - WJB

Method Path	\\MASSHUNTER\Org\Data\GECD.I\GECD_methods
Method File	G021122_8011_W_CLT.m
Batch Name	\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin
Last Calib Update	2/11/2022 1:49:16 PM

Level Name	Calibration Files	Acq. Date-Time	Level Last Update Time
1	\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_007.0007.D	2/11/2022 11:36:25 AM	2/11/2022 1:49:16 PM
7	\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_008.0008.D	2/11/2022 11:56:17 AM	2/11/2022 1:49:16 PM
2	\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_009.0009.D	2/11/2022 12:15:56 PM	2/11/2022 1:49:16 PM
3	\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_010.0010.D	2/11/2022 12:35:51 PM	2/11/2022 1:49:16 PM
4	\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_011.0011.D	2/11/2022 12:55:42 PM	2/11/2022 1:49:16 PM
5	\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_012.0012.D	2/11/2022 1:15:39 PM	2/11/2022 1:49:16 PM
6	\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_013.0013.D	2/11/2022 1:35:23 PM	2/11/2022 1:49:16 PM

Compound	Curve Fit	1	7	2	3	4	5	6	Avg RF	%RSD
M 1,2-Dibromoethane	Quadratic	173311	210428	198493	189262	185515	172108	157560	183811	9.663
S 1,1,1,2-Tetrachloroethane	Quadratic	107099	200937	276396	307868	351357	380092	397738	288784	36.144

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Compounds with Curve fitting not using Avg Response Factor:

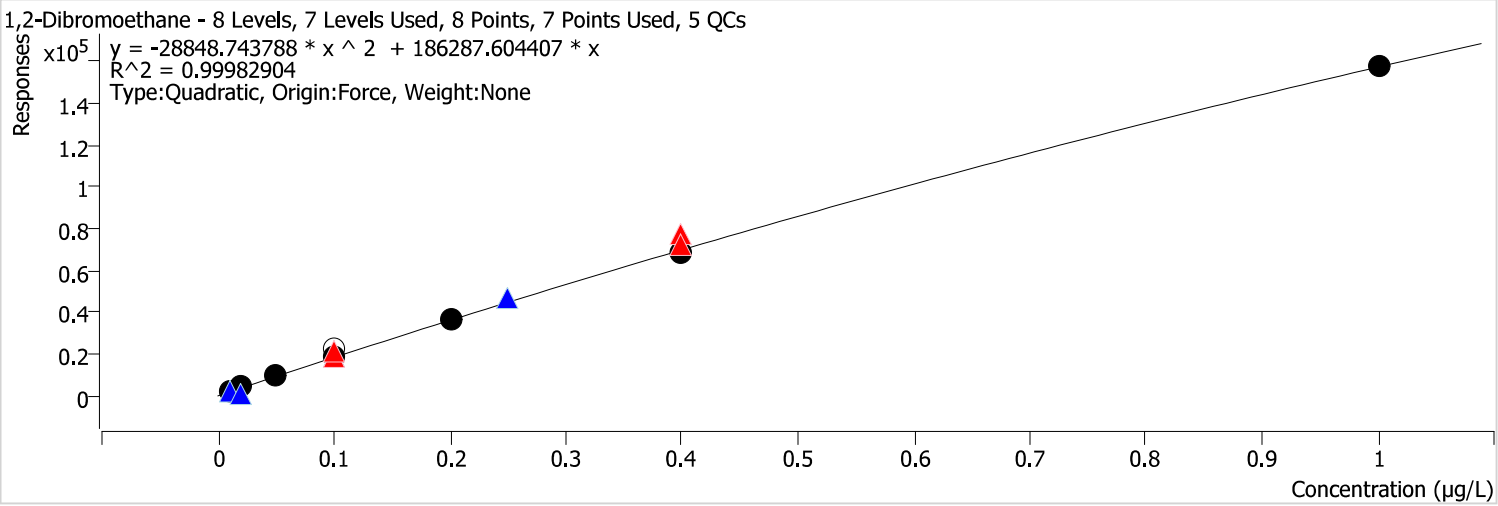
Compound	Curve Fit	Curve Fit Formula	Curve Fit R2
M 1,2-Dibromoethane	Quadratic	y = -28848.743788 * x ^ 2 + 186287.604407 * x	0.999829
S 1,1,1,2-Tetrachloroethane	Quadratic	y = 45501.716667 * x ^ 2 + 356887.750375 * x - 2958.723516	0.999262

(RedFont and #) = Outlier Flag; (I) = Internal Standard; (T) = Target; (S) = Surrogate; (M) = Matrix Spike

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin		
Analysis Time	2/14/2022 12:47 PM	**Analyst Name**	BL2000\ctran
Report Time	3/9/2022 2:39:58 PM	**Reporter Name**	BL2000\srcox
Last Calib Update	2/11/2022 1:49 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

1,2-Dibromoethane %RSE =

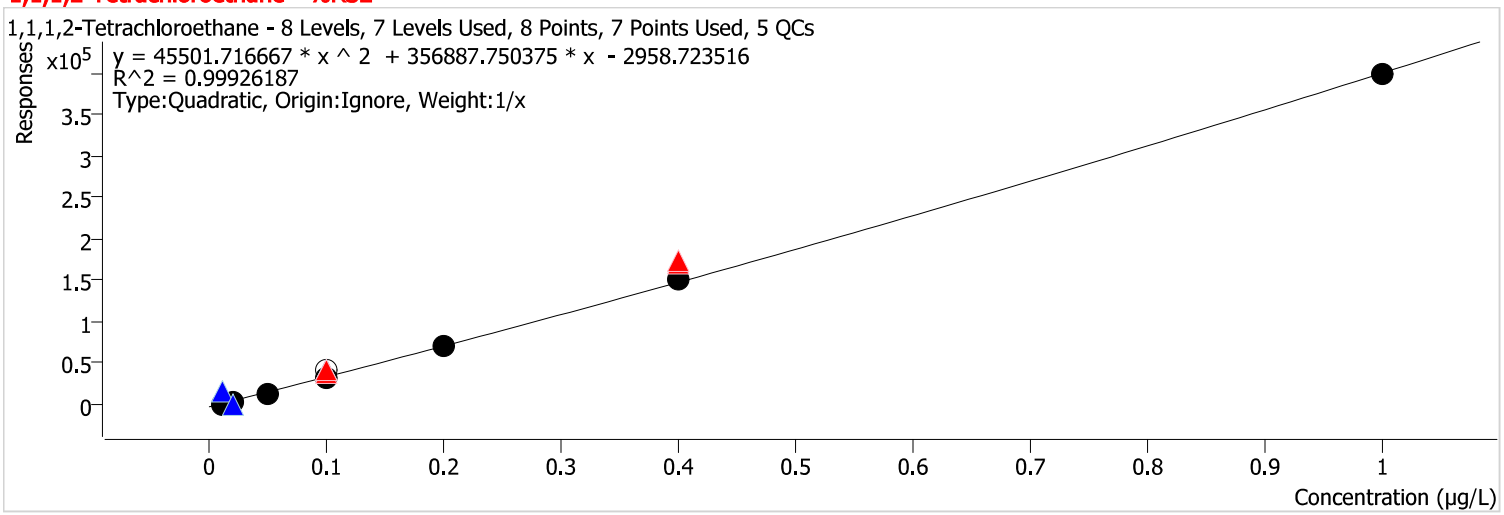


Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\GECD.I\G092121\aiaexport\G0921_026.0026.D	QC	1	x	1707	0.0100	170728.9447	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_007.0007.D	Calibration	1	x	1733	0.0100	173311.3563	
D:\Org\Data\GECD.I\G091321\aiaexport\G0913_018.0018.D	QC	7	x	1335	0.0200	66739.7425	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_008.0008.D	Calibration	7	x	4209	0.0200	210427.9429	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_009.0009.D	Calibration	2	x	9925	0.0500	198492.6075	
\\MASSHUNTER\Org\Data\GECD.I\G111820\aiaexport\G1118_016.0016.D	Calibration	CC3		22970	0.1000		
D:\Org\Data\GECD.I\G081021\aiaexport\G0810_016.0016.D	QC	CC3		21004	0.1000	210042.4247	
D:\Org\Data\GECD.I\G122121\aiaexport\G1221_061.0061.D	CC	CC3		19101	0.1000	191007.5606	
\\MASSHUNTER\Org\Data\GECD.I\G020922\aiaexport\G0209_053.0053.D	CC	3	x	19066	0.1000	190664.4764	
\\MASSHUNTER\Org\Data\GECD.I\G020922\aiaexport\G0209_030.0030.D	QC	LCS1	x	19195	0.1000	191949.8990	
\\MASSHUNTER\Org\Data\GECD.I\G020922\aiaexport\G0209_027.0027.D	CC	3	x	20905	0.1000	209045.9250	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_010.0010.D	Calibration	3	x	18926	0.1000	189261.7279	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_011.0011.D	Calibration	4	x	37103	0.2000	185514.6162	
\\MASSHUNTER\Org\Data\GECD.I\G020922\aiaexport\G0209_029.0029.D	QC	LCS	x	46496	0.2500	185984.9936	
D:\Org\Data\GECD.I\G122121\aiaexport\G1221_074.0074.D	CC	CC5	x	77330	0.4000	193324.5351	
\\MASSHUNTER\Org\Data\GECD.I\G020922\aiaexport\G0209_044.0044.D	CC	5	x	72089	0.4000	180222.6846	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_012.0012.D	Calibration	5	x	68843	0.4000	172107.7622	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_013.0013.D	Calibration	6	x	157560	1.0000	157560.1186	

Calibration Report

Batch Path	\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin		
Analysis Time	2/14/2022 12:47 PM	**Analyst Name**	BL2000\ctran
Report Time	3/9/2022 2:40:01 PM	**Reporter Name**	BL2000\srcox
Last Calib Update	2/11/2022 1:49 PM	**Batch State**	Processed
Quant Batch Version	10.0	**Quant Report Version**	10.0

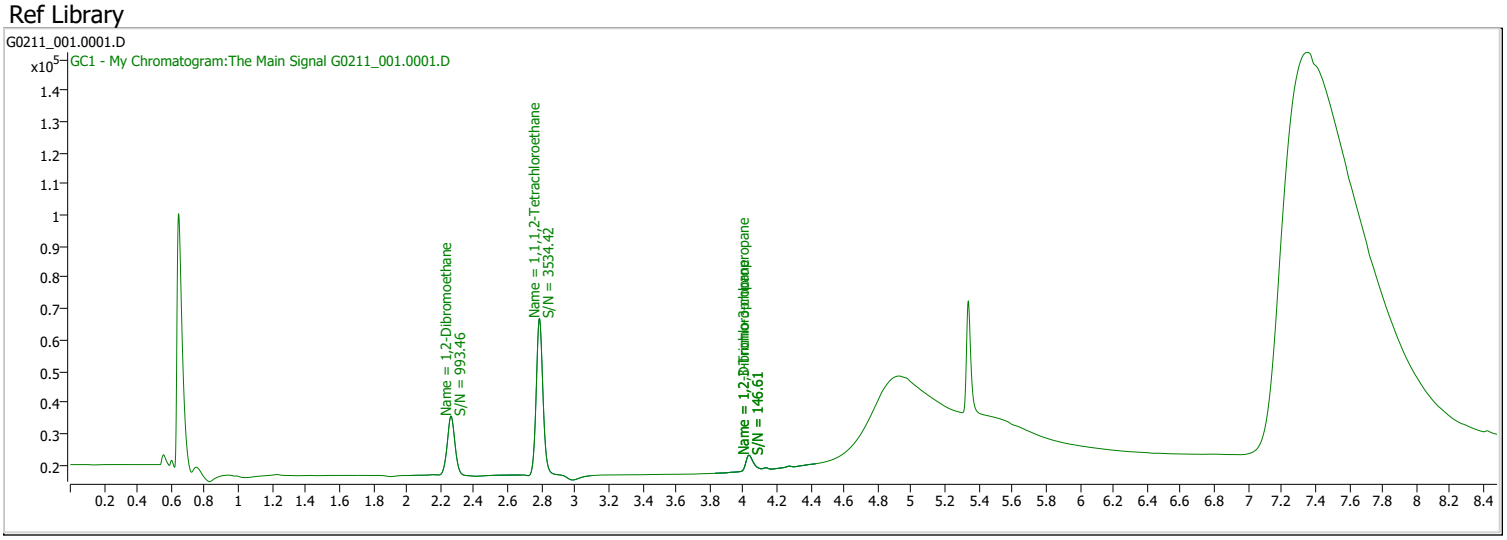
1,1,1,2-Tetrachloroethane %RSE =



Calibration STD Path	Cal Type	Level	Enabled	Resp.	Exp. Conc	Resp. Factor	Level RSD
D:\Org\Data\GECD.I\G092121\aiaexport\G0921_026.0026.D	QC	1	x	15026	0.0100	1502610.5883	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_007.0007.D	Calibration	1	x	1071	0.0100	107098.9298	
D:\Org\Data\GECD.I\G091321\aiaexport\G0913_018.0018.D	QC	7	x	686	0.0200	34275.7771	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_008.0008.D	Calibration	7	x	4019	0.0200	200937.2669	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_009.0009.D	Calibration	2	x	13820	0.0500	276395.8484	
\\MASSHUNTER\Org\Data\GECD.I\G111820\aiaexport\G1118_016.0016.D	Calibration	CC3		41065	0.1000		
D:\Org\Data\GECD.I\G081021\aiaexport\G0810_016.0016.D	QC	CC3		42481	0.1000	424813.5788	
D:\Org\Data\GECD.I\G122121\aiaexport\G1221_061.0061.D	CC	CC3		29228	0.1000	292276.2189	
\\MASSHUNTER\Org\Data\GECD.I\G020922\aiaexport\G0209_053.0053.D	CC	3	x	38726	0.1000	387264.2087	
\\MASSHUNTER\Org\Data\GECD.I\G020922\aiaexport\G0209_030.0030.D	QC	LCS1	x	41151	0.1000	411505.5261	
\\MASSHUNTER\Org\Data\GECD.I\G020922\aiaexport\G0209_029.0029.D	QC	LCS	x	40669	0.1000	406691.2911	
\\MASSHUNTER\Org\Data\GECD.I\G020922\aiaexport\G0209_027.0027.D	CC	3	x	40786	0.1000	407855.1467	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_010.0010.D	Calibration	3	x	30787	0.1000	307868.0618	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_011.0011.D	Calibration	4	x	70271	0.2000	351357.4548	
D:\Org\Data\GECD.I\G122121\aiaexport\G1221_074.0074.D	CC	CC5	x	169695	0.4000	424236.9956	
\\MASSHUNTER\Org\Data\GECD.I\G020922\aiaexport\G0209_044.0044.D	CC	5	x	172872	0.4000	432180.2832	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_012.0012.D	Calibration	5	x	152037	0.4000	380092.4577	
\\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_013.0013.D	Calibration	6	x	397738	1.0000	397737.9061	

Quantitation Results Report (QT Reviewed)

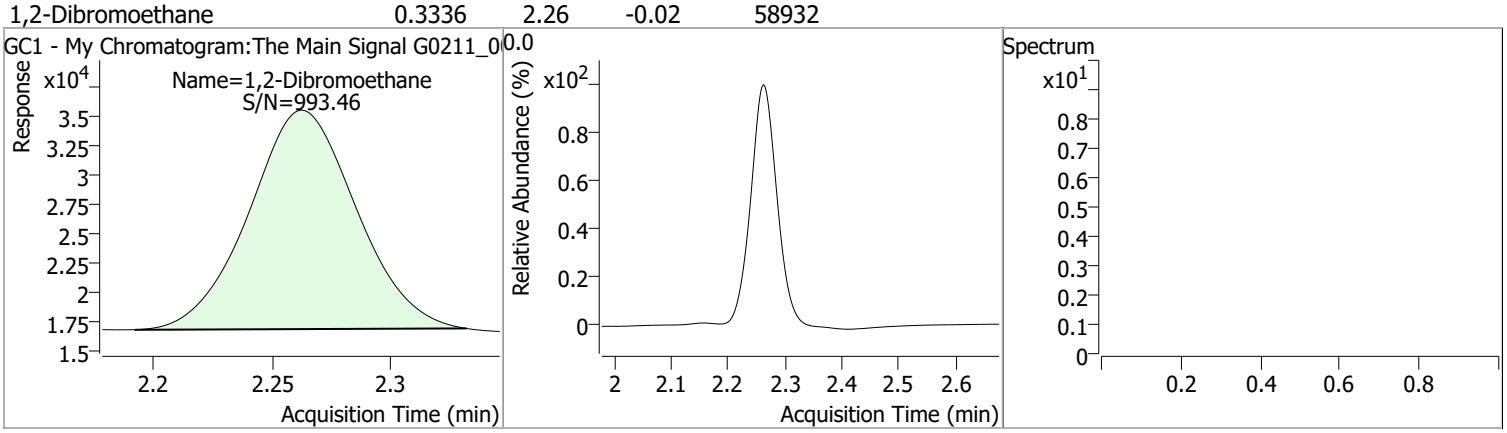
Data File	G0211_001.0001.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 8:24:17 AM
Sample Name	8011Primer	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



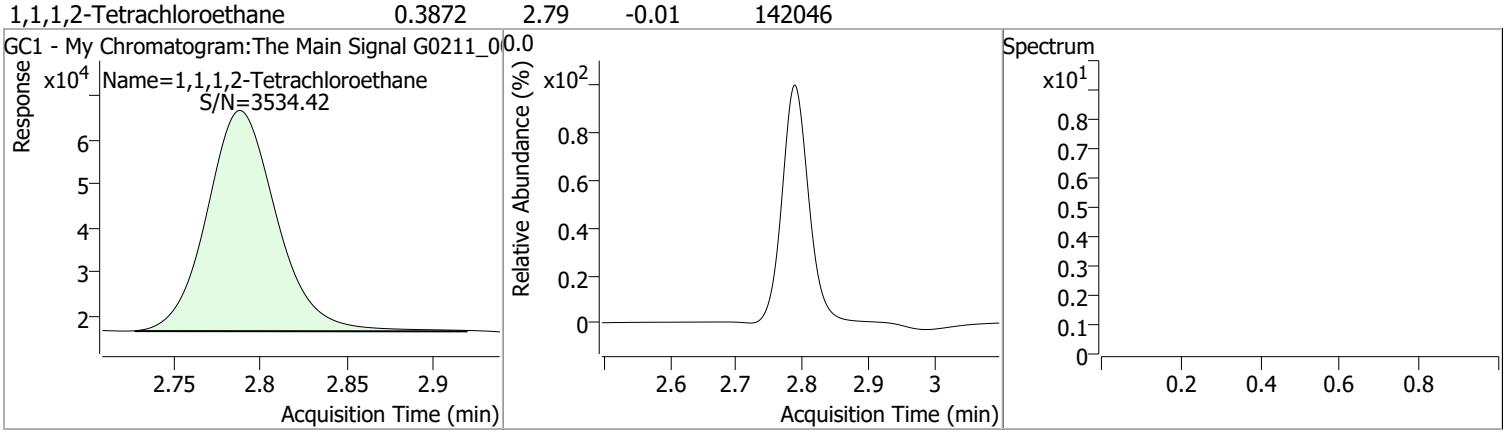
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.788	0.0	142046	0.3872	µg/L		-0.008
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 387.19%		*	
Target Compounds							QValue
M 1,2-Dibromoethane	2.263	0.0	58932	0.3336	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.3336	2.26	-0.02	58932				

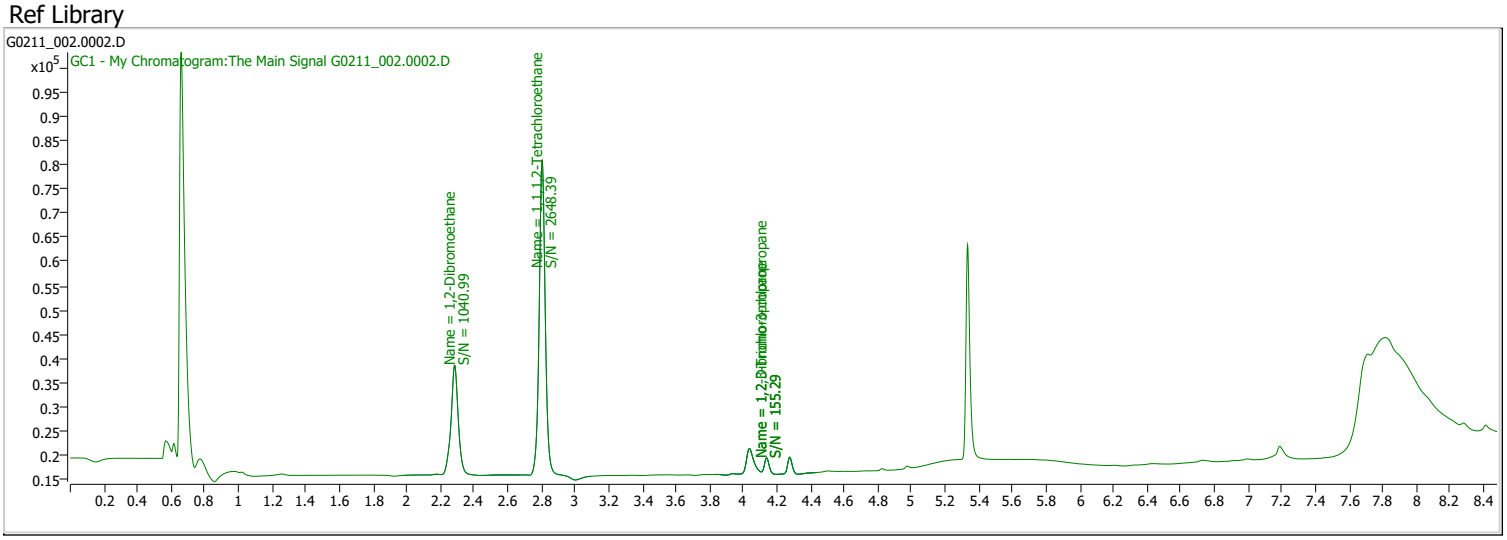


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.3872	2.79	-0.01	142046				



Quantitation Results Report (QT Reviewed)

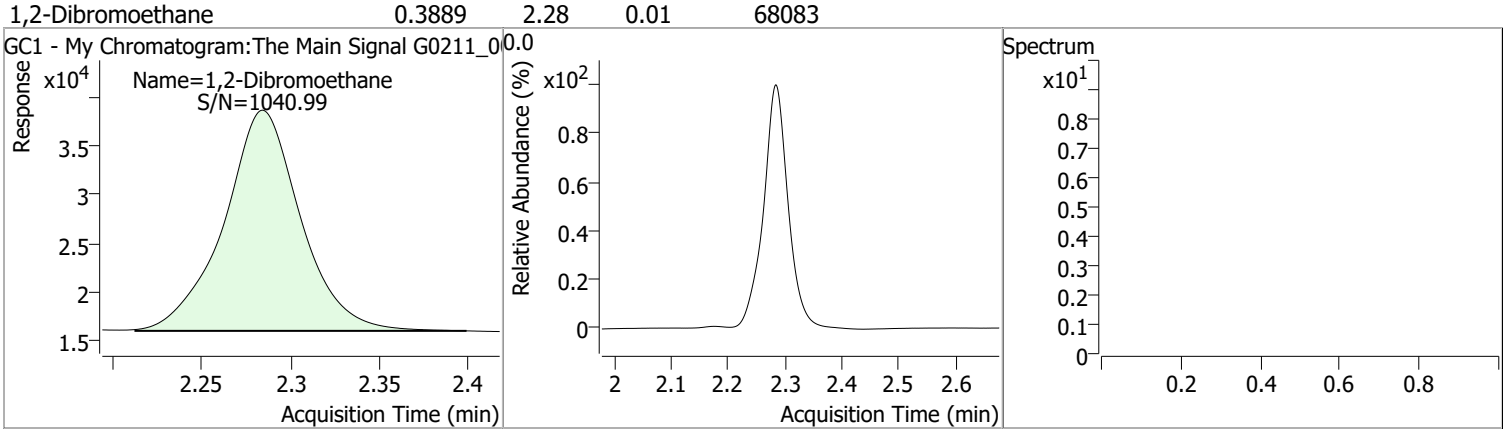
Data File	G0211_002.0002.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 9:57:44 AM
Sample Name	8011Primer	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



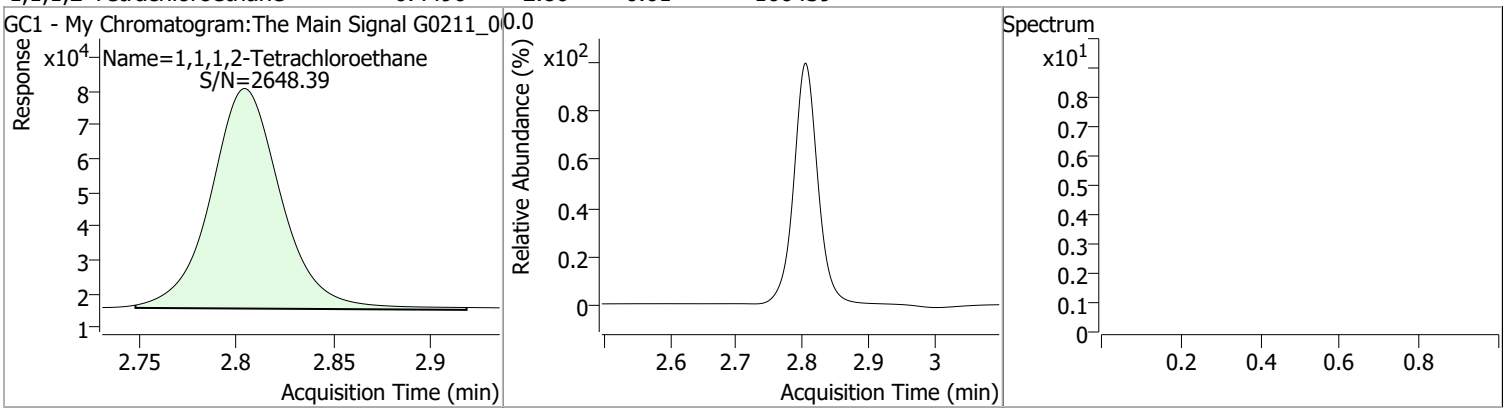
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.804	0.0	166439	0.4490	µg/L		0.007
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 448.95%		*	
Target Compounds							QValue
M 1,2-Dibromoethane	2.284	0.0	68083	0.3889	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.3889	2.28	0.01	68083				

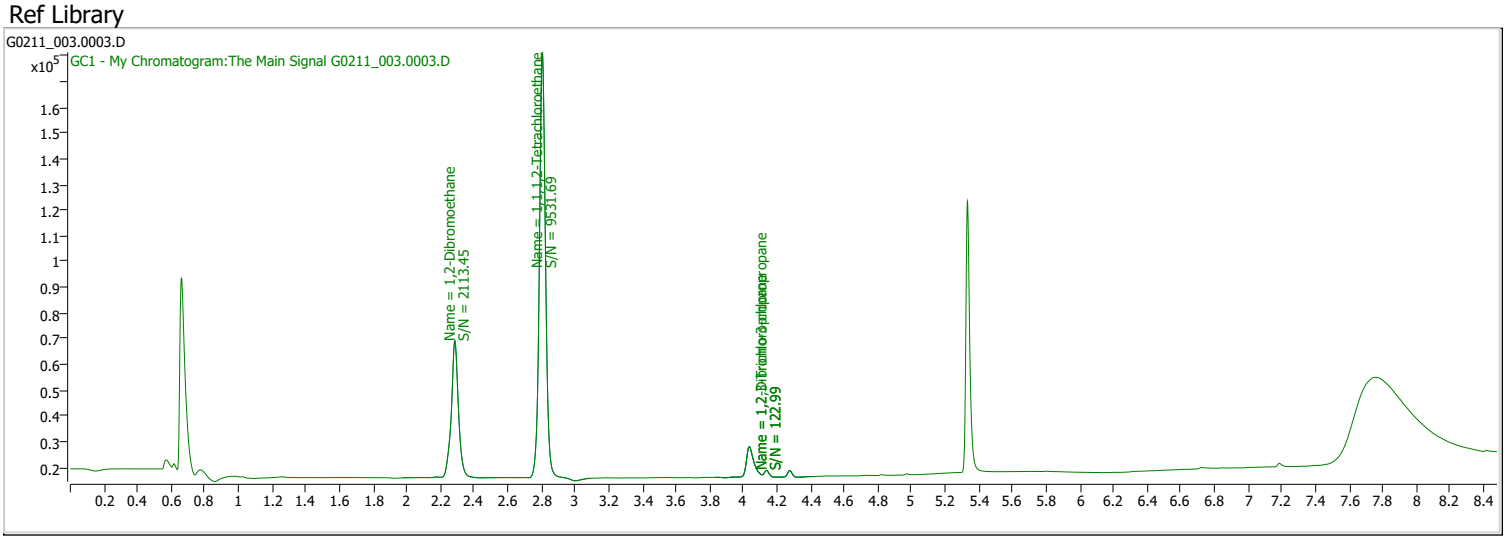


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.4490	2.80	0.01	166439				



Quantitation Results Report (QT Reviewed)

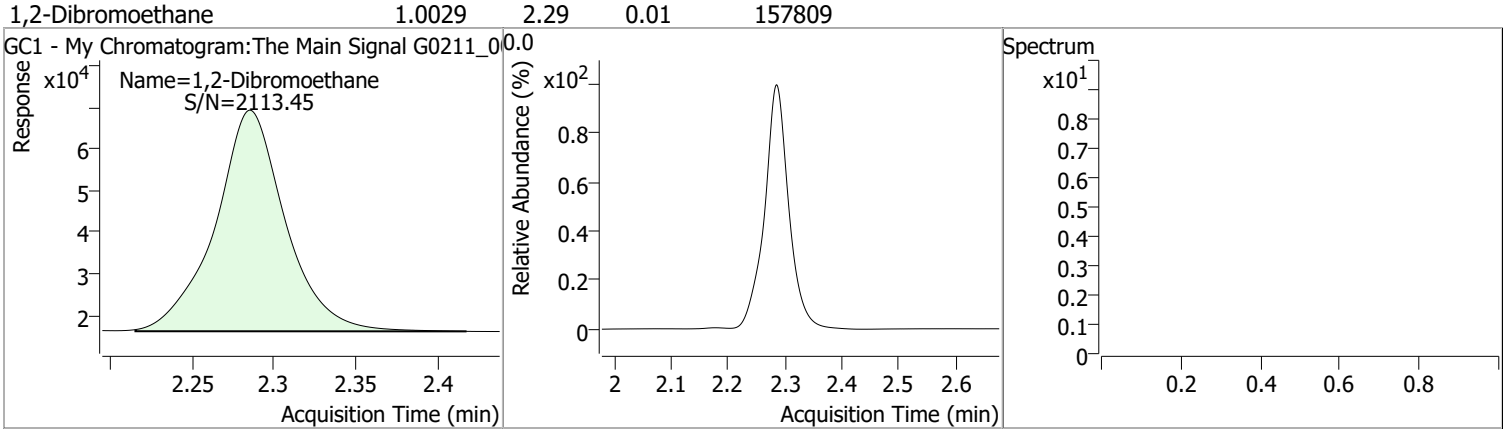
Data File	G0211_003.0003.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 10:17:18 AM
Sample Name	8011Primer	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



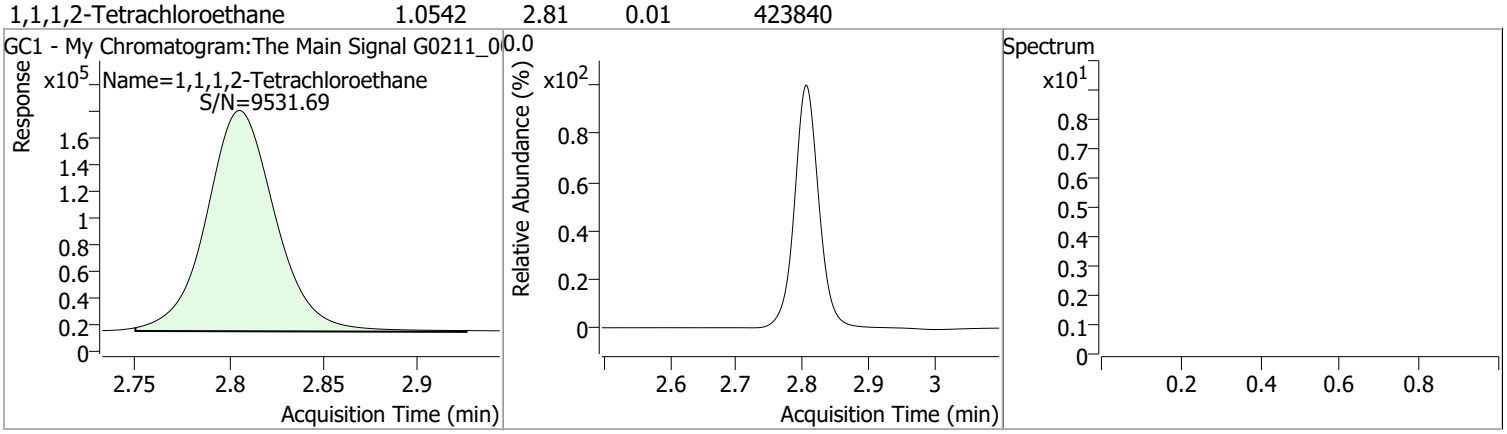
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
System Monitoring Compounds						
S 1,1,1,2-Tetrachloroethane	2.805	0.0	423840	1.0542	µg/L	0.008
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 1054.20%	*	
Target Compounds						QValue
M 1,2-Dibromoethane	2.285	0.0	157809	1.0029	µg/L	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	1.0029	2.29	0.01	157809				

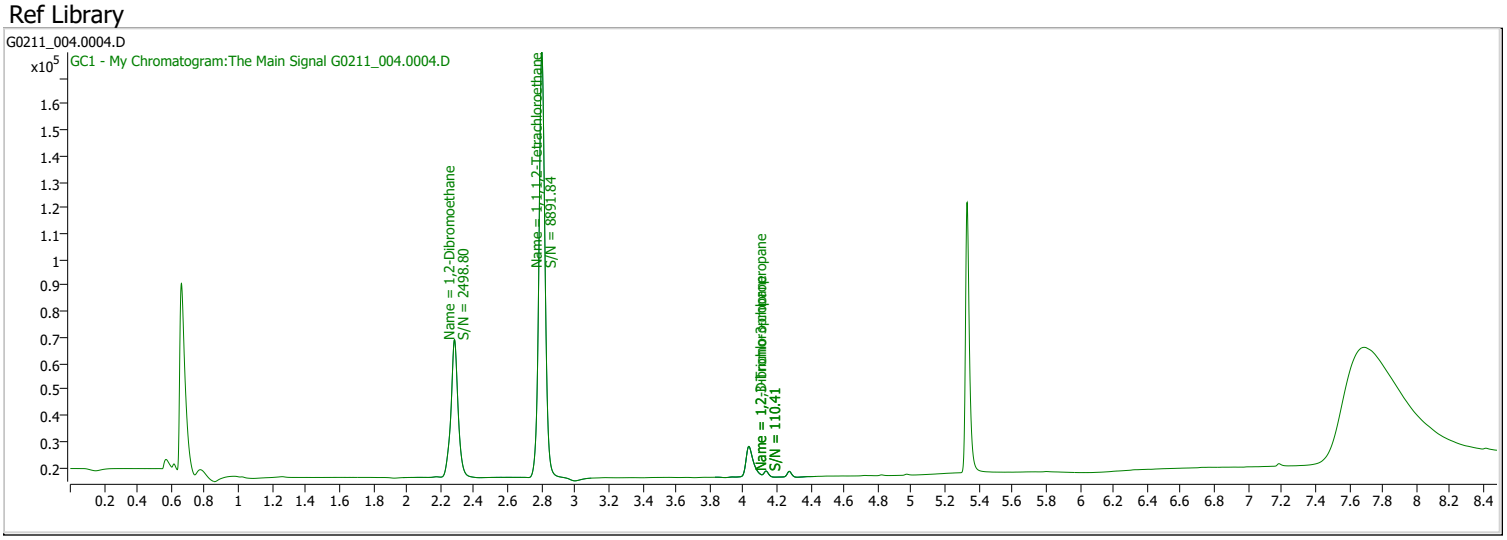


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	1.0542	2.81	0.01	423840				



Quantitation Results Report (QT Reviewed)

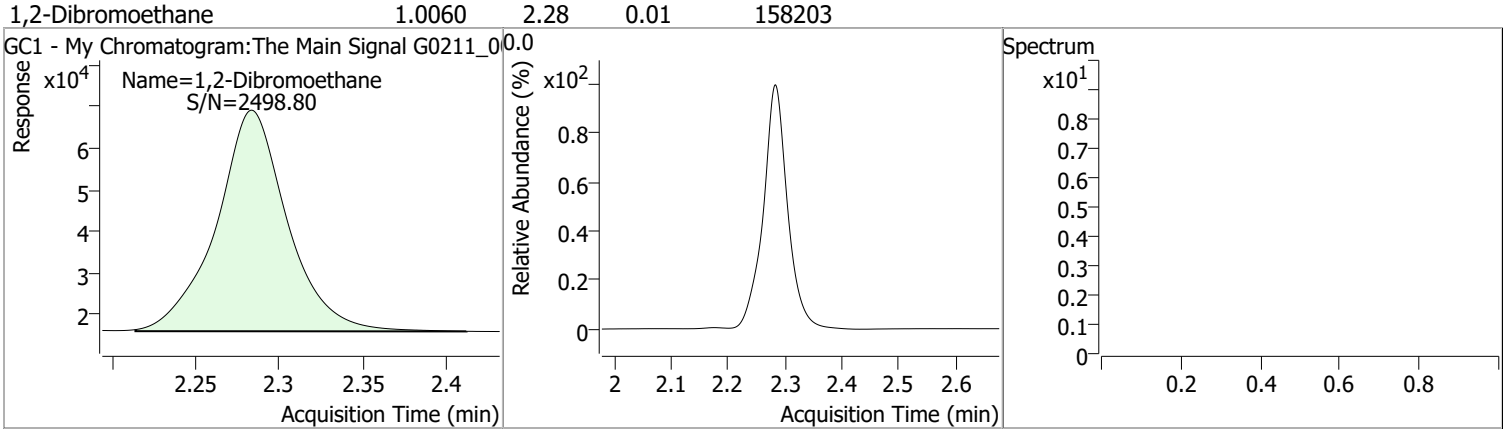
Data File	G0211_004.0004.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 10:36:57 AM
Sample Name	8011Primer	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



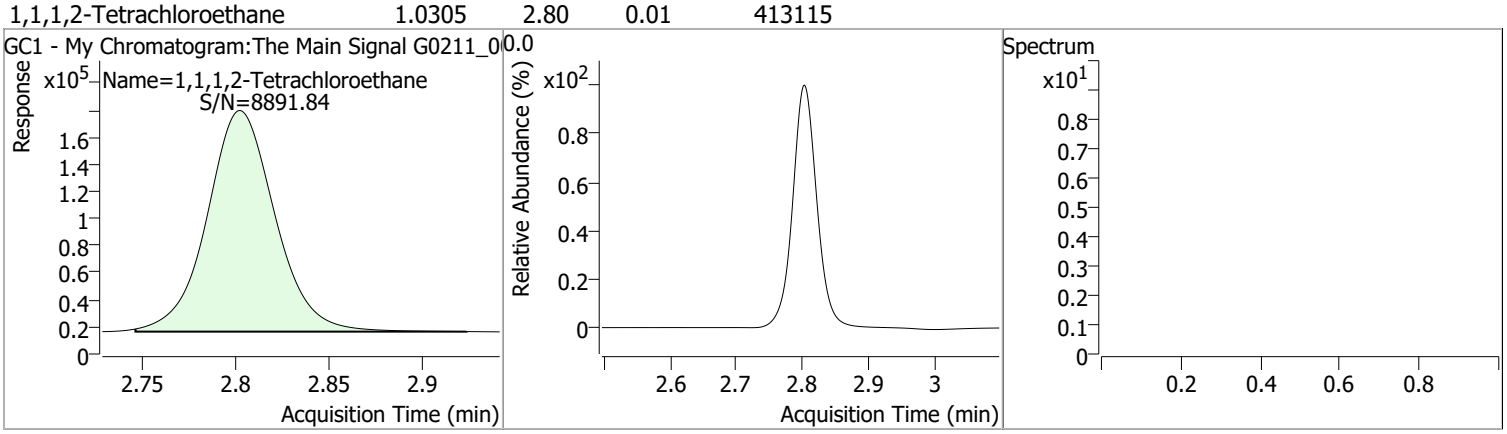
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
System Monitoring Compounds						
S 1,1,1,2-Tetrachloroethane	2.803	0.0	413115	1.0305	µg/L	0.006
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 1030.46%	*	
Target Compounds						QValue
M 1,2-Dibromoethane	2.283	0.0	158203	1.0060	µg/L	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	1.0060	2.28	0.01	158203				

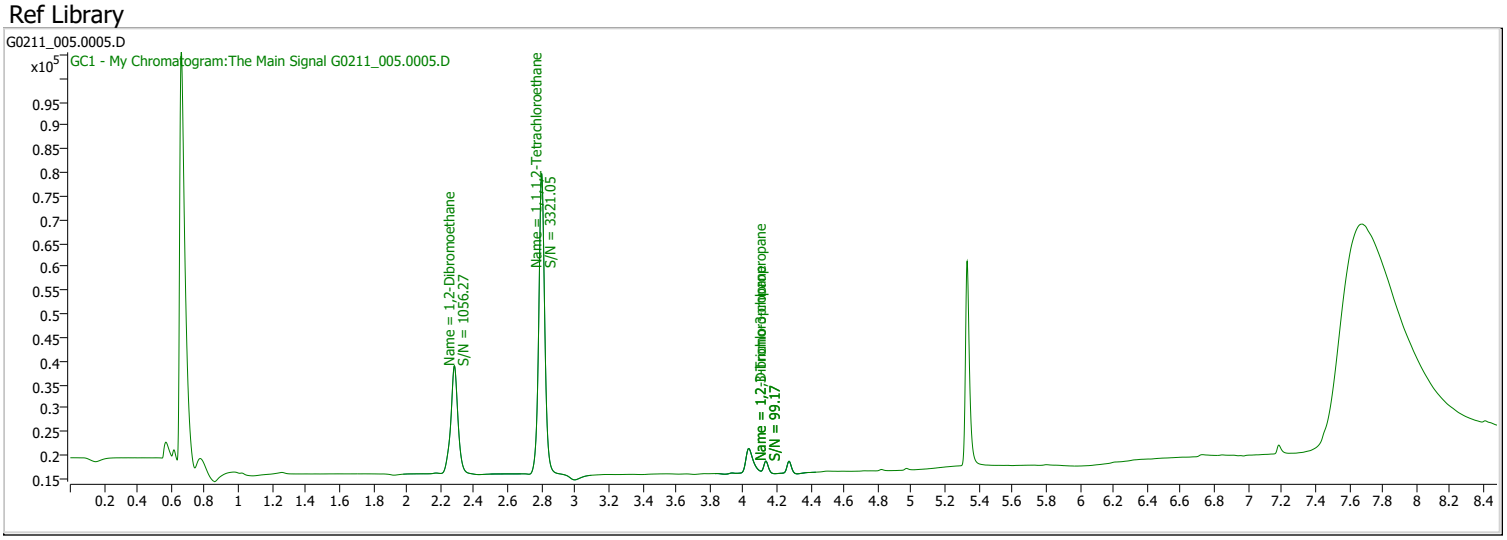


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	1.0305	2.80	0.01	413115				



Quantitation Results Report (QT Reviewed)

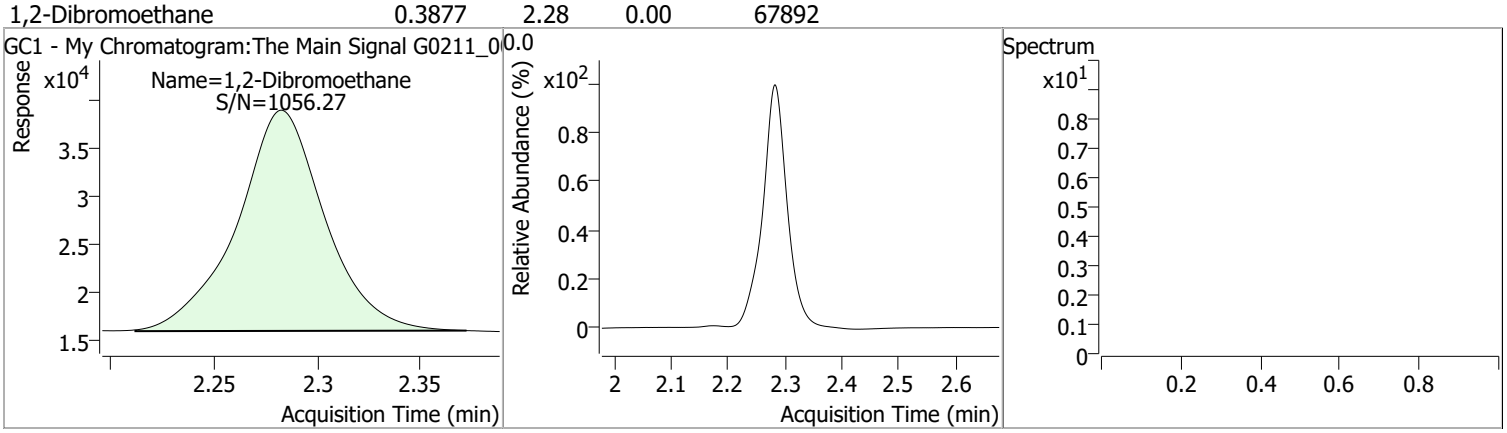
Data File	G0211_005.0005.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 10:56:54 AM
Sample Name	8011Primer	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



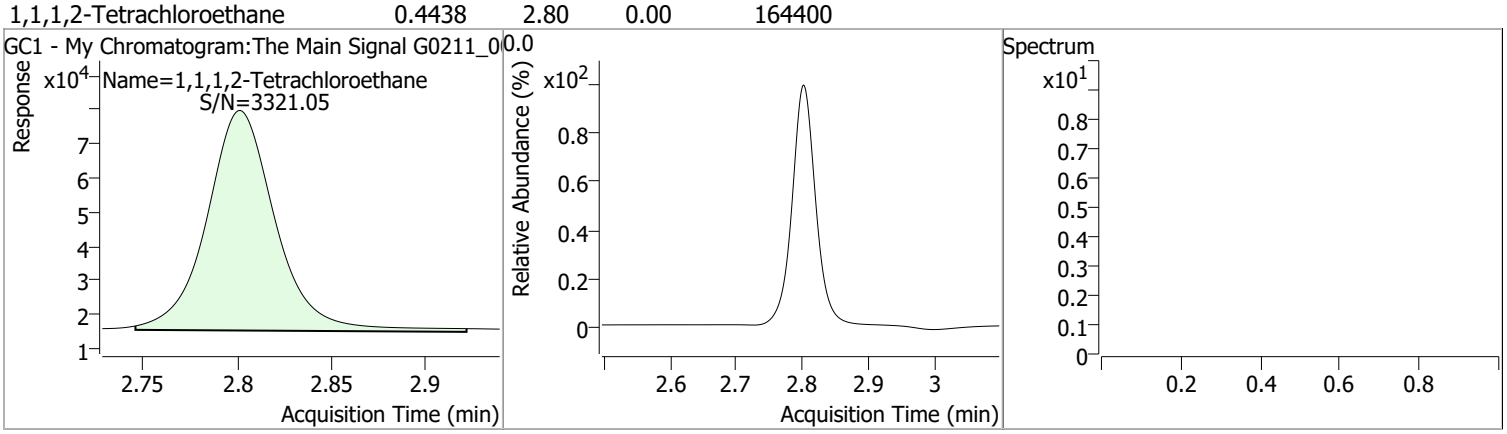
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.801	0.0	164400	0.4438	µg/L		0.004
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 443.82%		*	
Target Compounds							QValue
M 1,2-Dibromoethane	2.283	0.0	67892	0.3877	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.3877	2.28	0.00	67892				

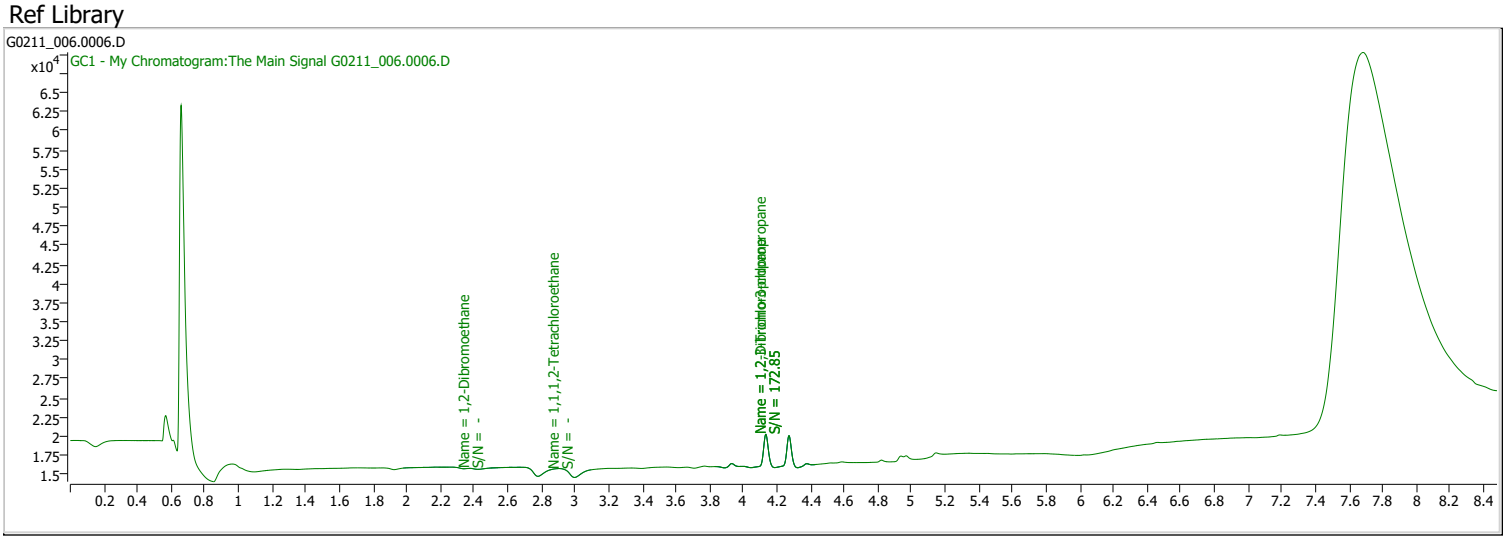


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.4438	2.80	0.00	164400				



Quantitation Results Report (QT Reviewed)

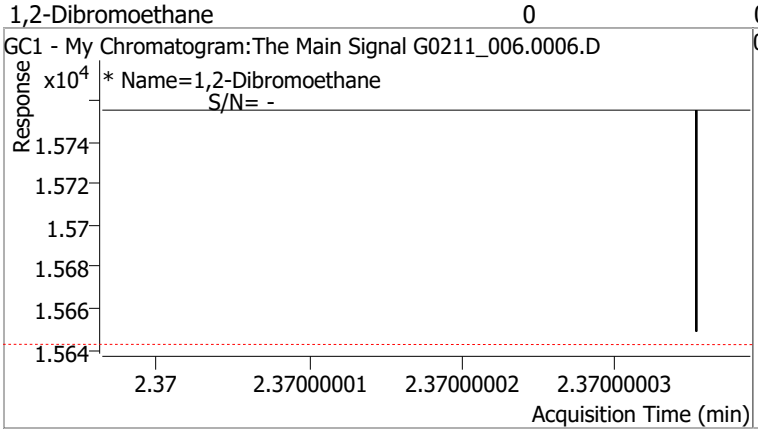
Data File	G0211_006.0006.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 11:16:36 AM
Sample Name	Hexane	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

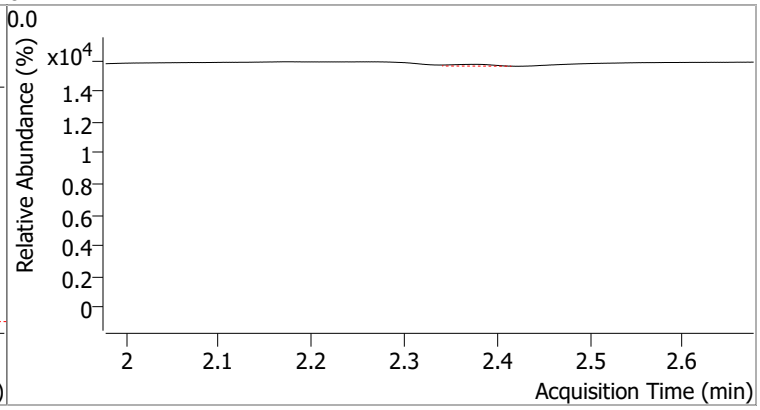


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.903	0.0	0		µg/L	md	0.106
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = NA%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.370	0.0	0		µg/L	md	1

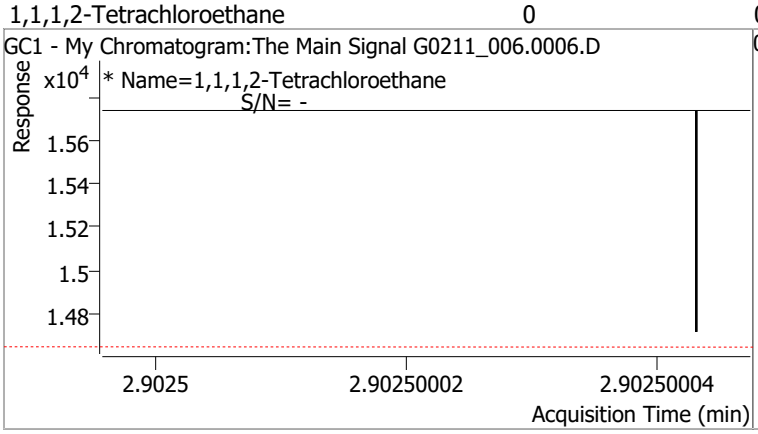
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

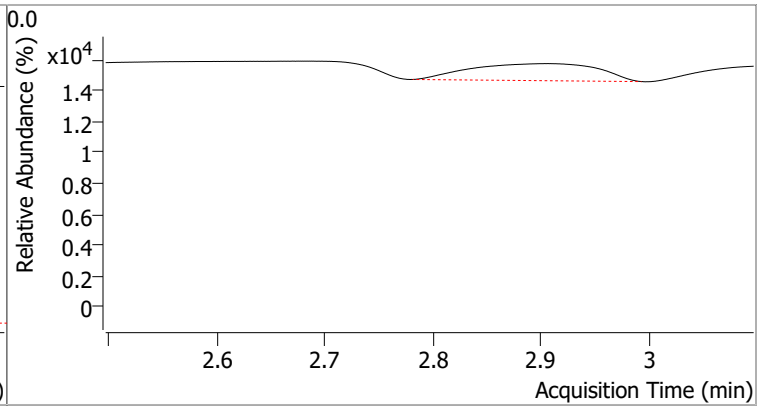
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				





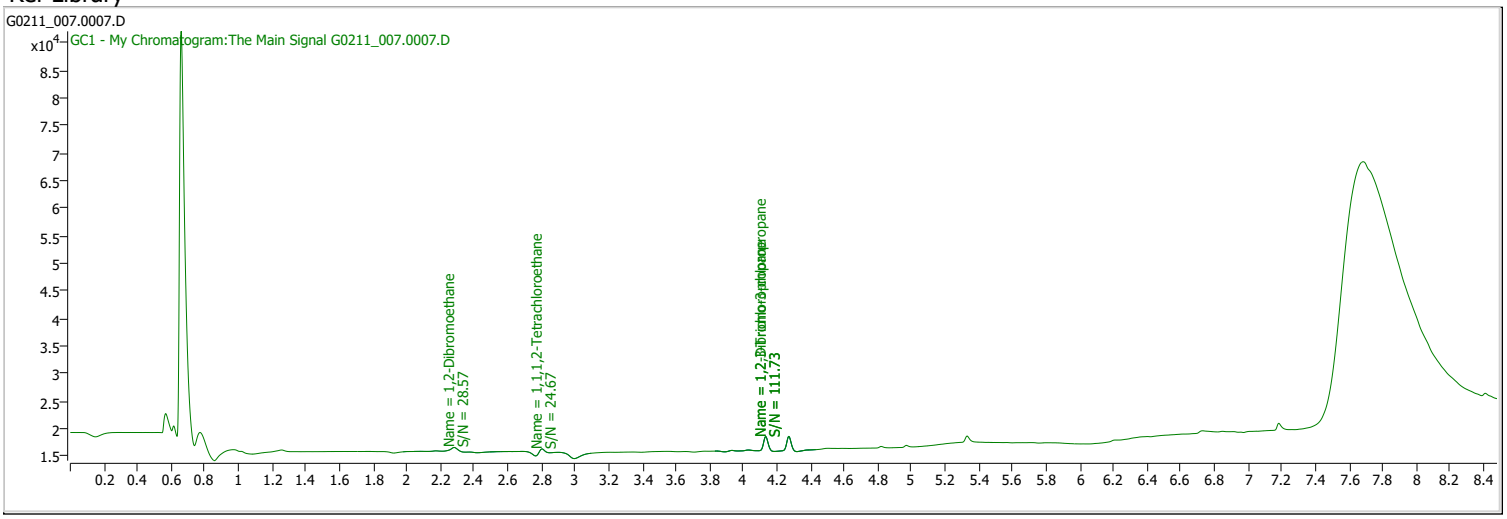
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane		0		0				





Quantitation Results Report (QT Reviewed)

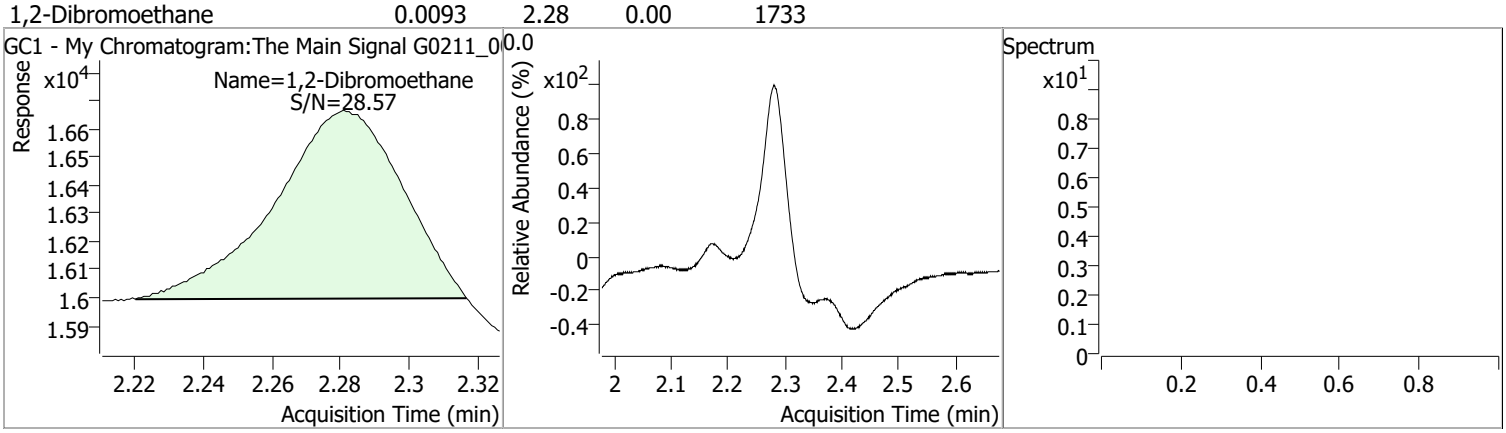
Data File	G0211_007.0007.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 11:36:25 AM
Sample Name	CAL1-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



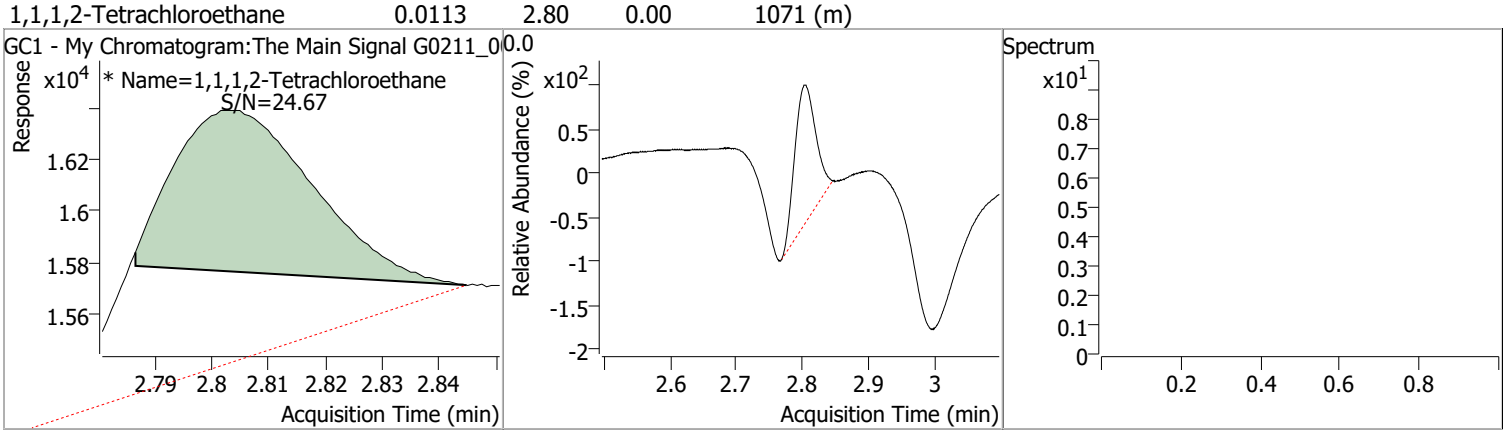
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.802	0.0	1071	0.0113	µg/L	m	0.005
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 11.28%		*	
Target Compounds							QValue
M 1,2-Dibromoethane	2.281	0.0	1733	0.0093	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.0093	2.28	0.00	1733				

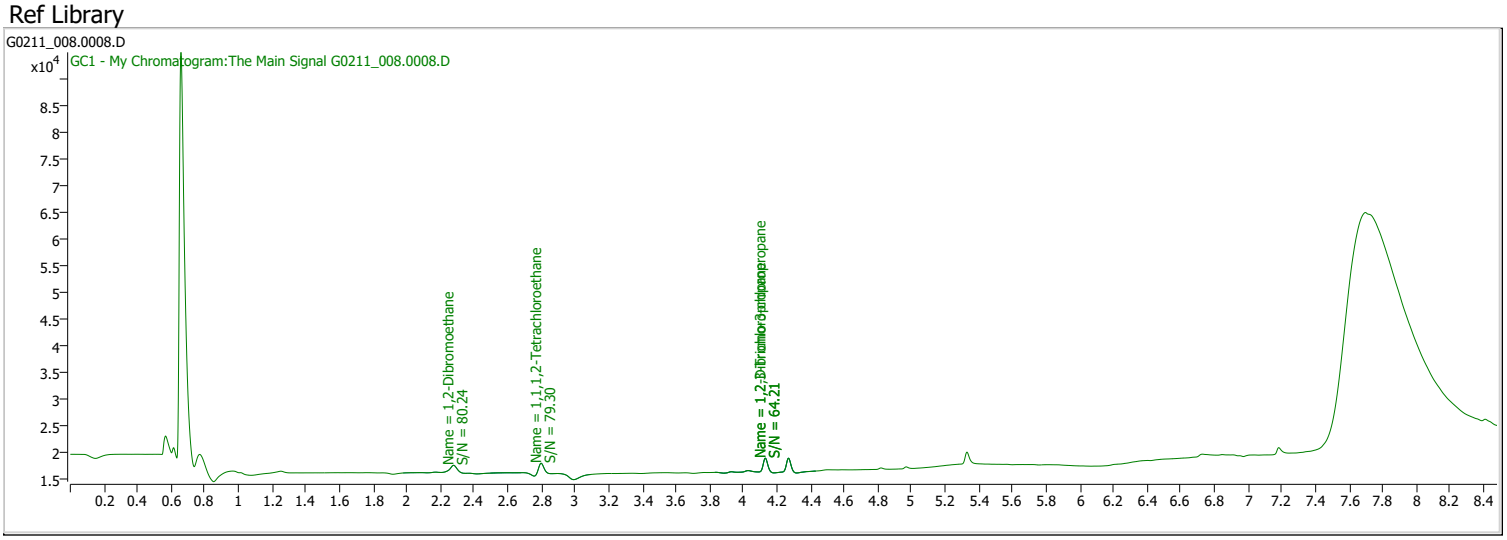


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0113	2.80	0.00	1071 (m)				



Quantitation Results Report (QT Reviewed)

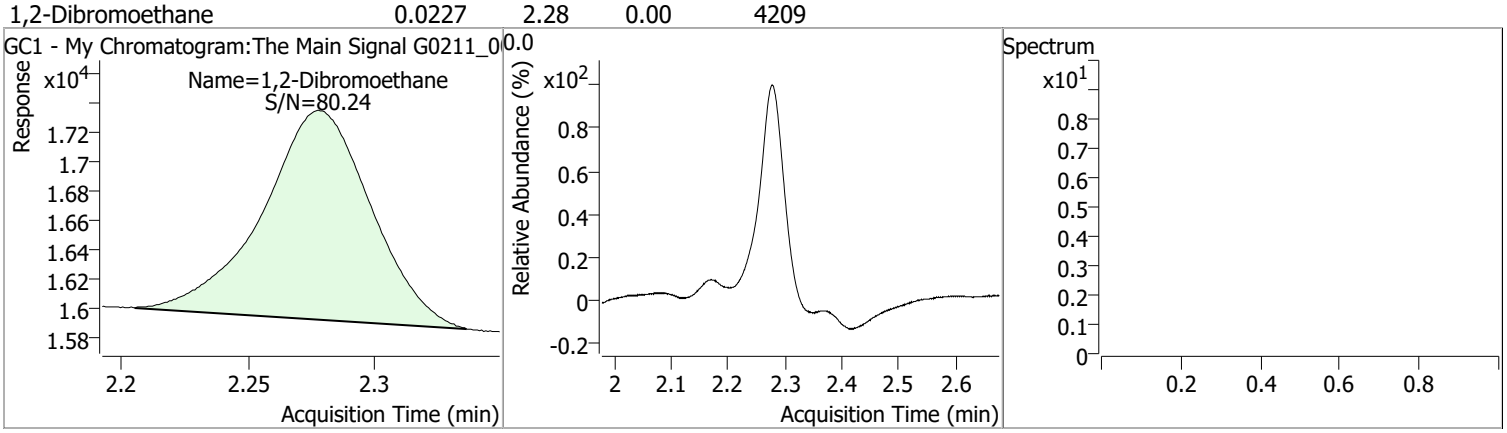
Data File	G0211_008.0008.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 11:56:17 AM
Sample Name	CAL7-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



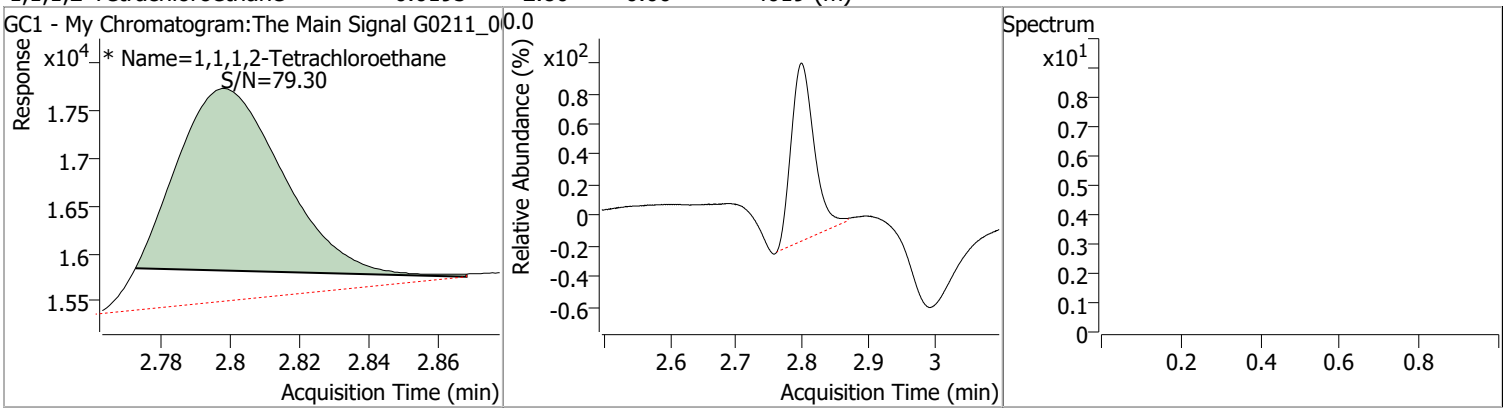
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.798	0.0	4019	0.0195	µg/L	m	0.001
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 19.50%		*	
Target Compounds							QValue
M 1,2-Dibromoethane	2.278	0.0	4209	0.0227	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.0227	2.28	0.00	4209				

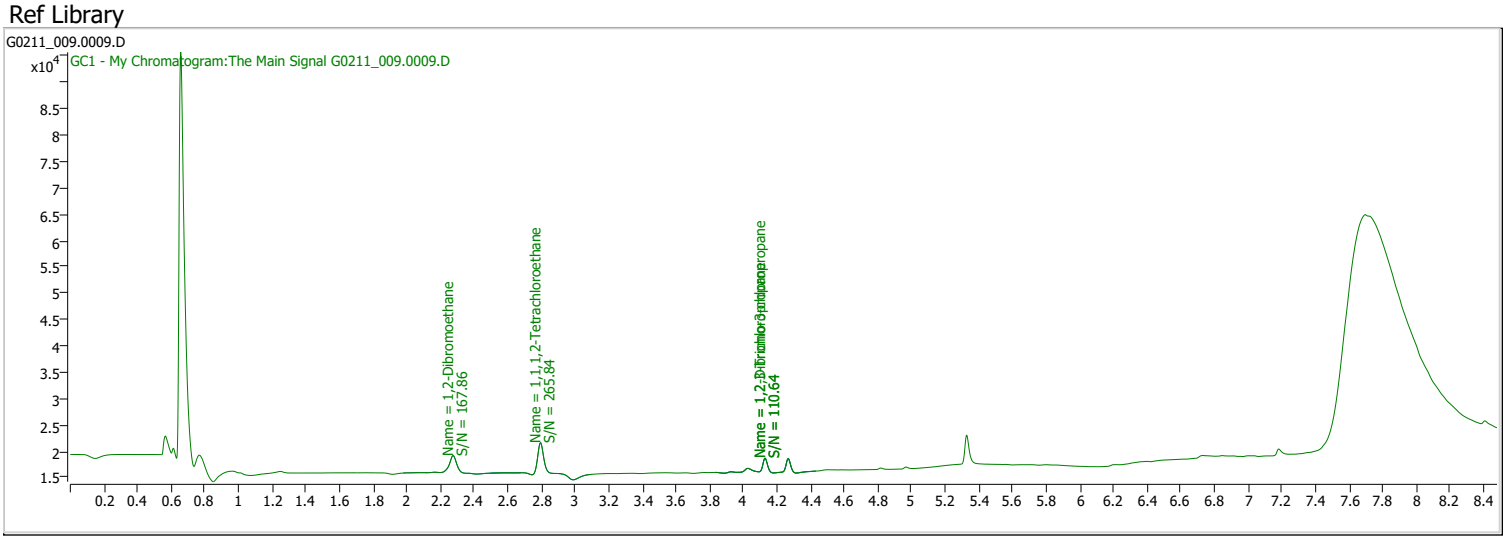


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0195	2.80	0.00	4019 (m)				



Quantitation Results Report (QT Reviewed)

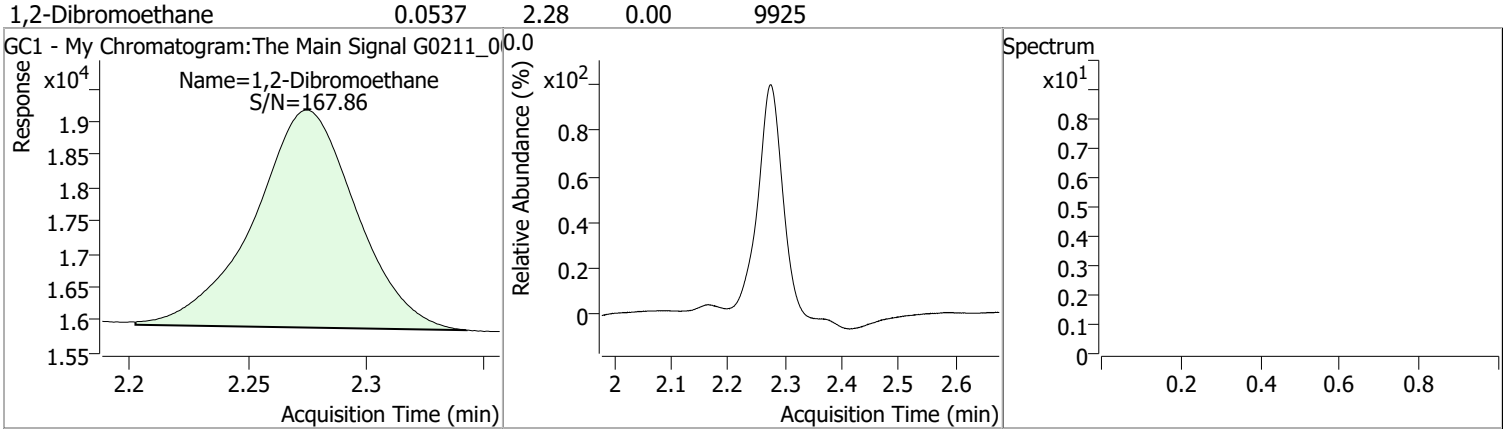
Data File	G0211_009.0009.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 12:15:56 PM
Sample Name	CAL2-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



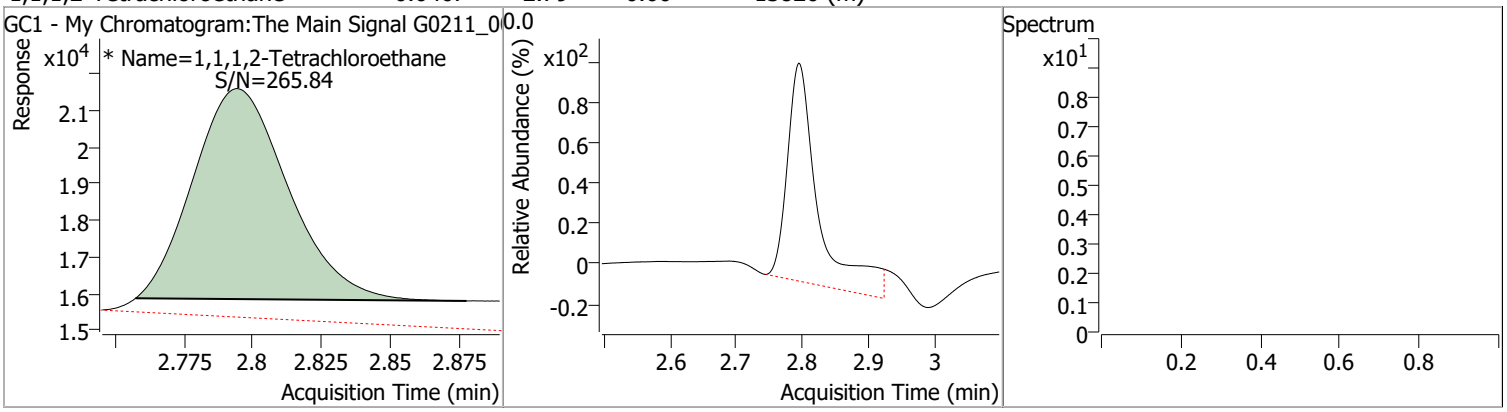
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.794	0.0	13820	0.0467	µg/L	m	-0.003
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 46.73%		*	
Target Compounds							QValue
M 1,2-Dibromoethane	2.276	0.0	9925	0.0537	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.0537	2.28	0.00	9925				

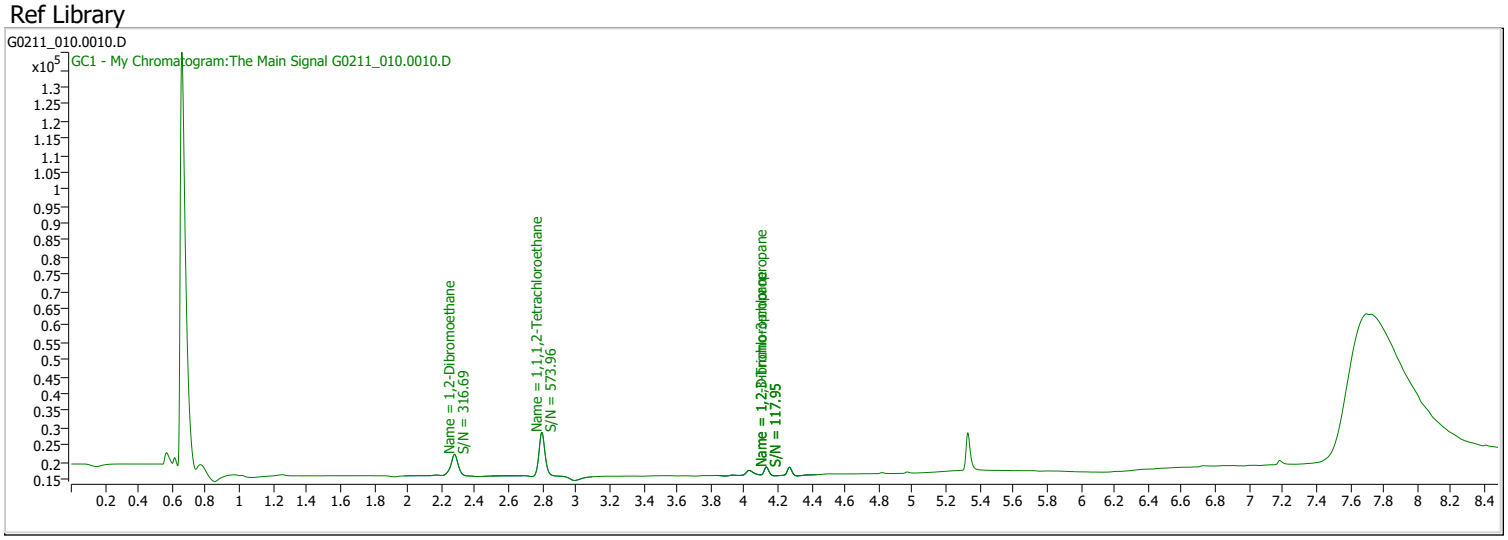


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0467	2.79	0.00	13820 (m)				



Quantitation Results Report (QT Reviewed)

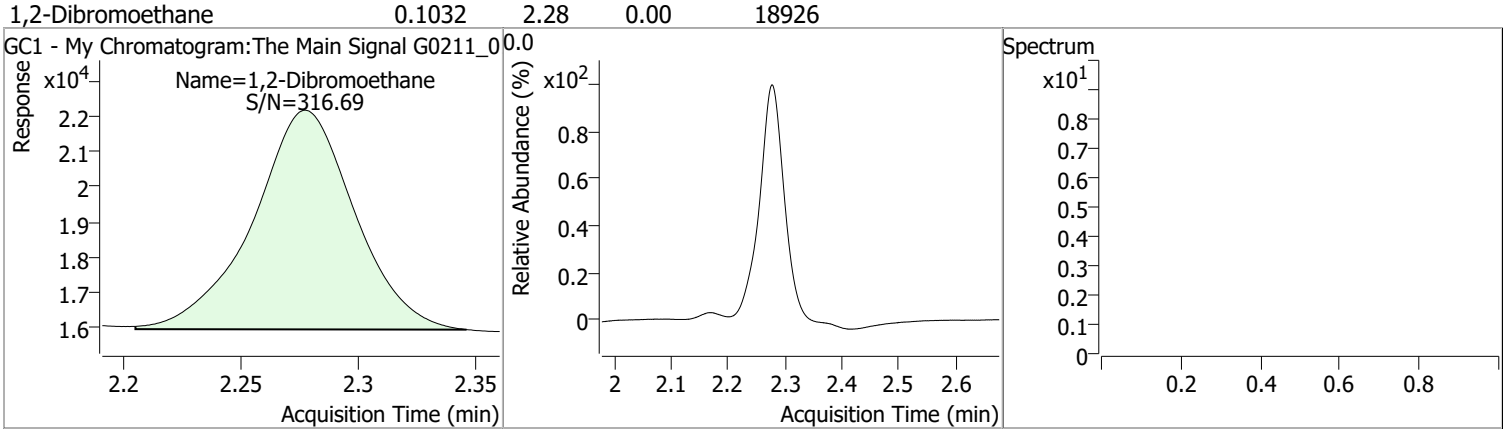
Data File	G0211_010.0010.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 12:35:51 PM
Sample Name	CAL3-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



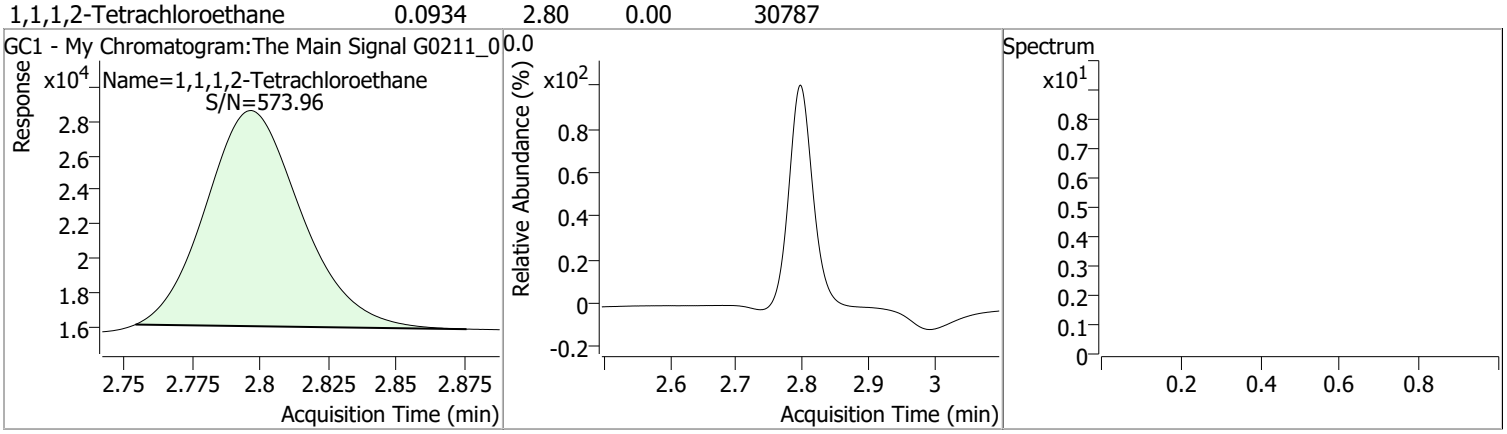
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
System Monitoring Compounds						
S 1,1,1,2-Tetrachloroethane	2.797	0.0	30787	0.0934	µg/L	0.000
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 93.44%		
Target Compounds						QValue
M 1,2-Dibromoethane	2.278	0.0	18926	0.1032	µg/L	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.1032	2.28	0.00	18926				

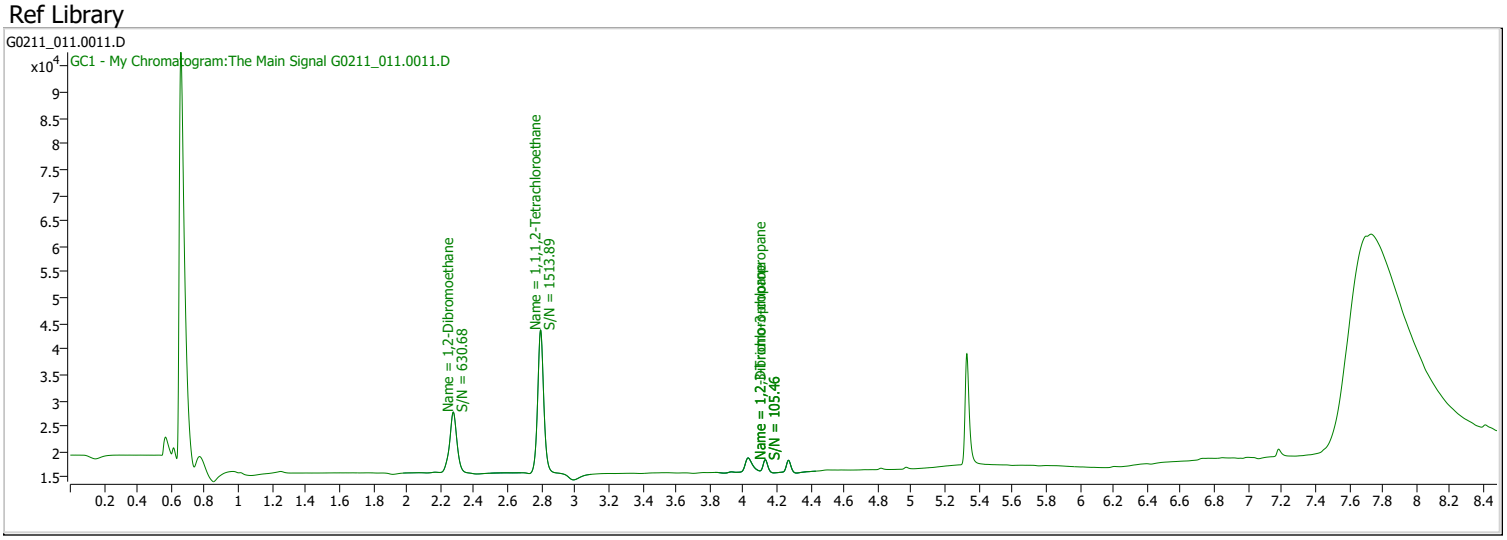


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0934	2.80	0.00	30787				



Quantitation Results Report (QT Reviewed)

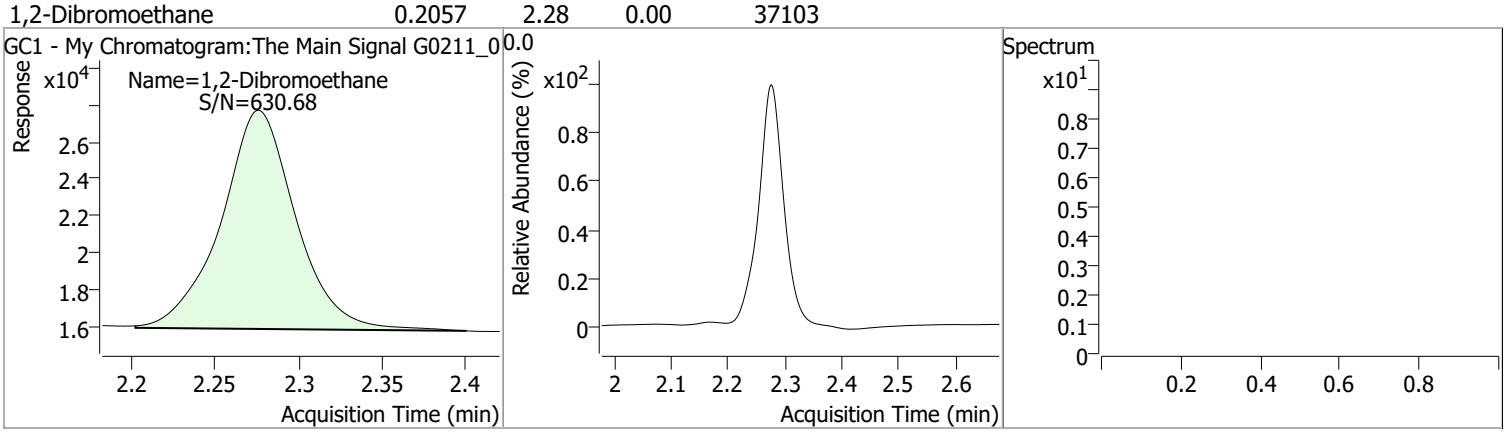
Data File	G0211_011.0011.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 12:55:42 PM
Sample Name	CAL4-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



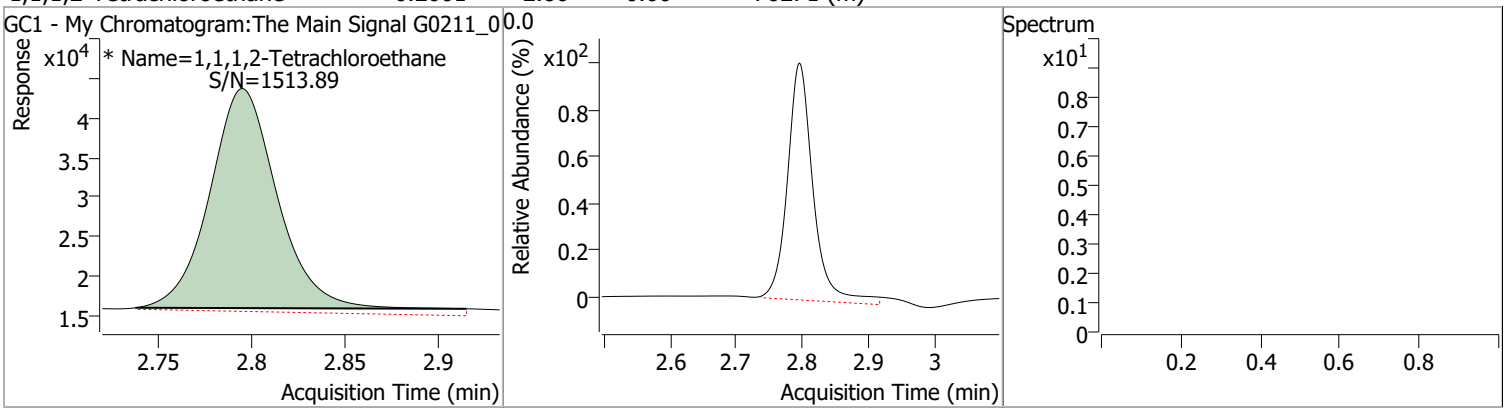
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.795	0.0	70271	0.2001	µg/L	m	-0.002
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 200.09%		*	
Target Compounds							QValue
M 1,2-Dibromoethane	2.276	0.0	37103	0.2057	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.2057	2.28	0.00	37103				

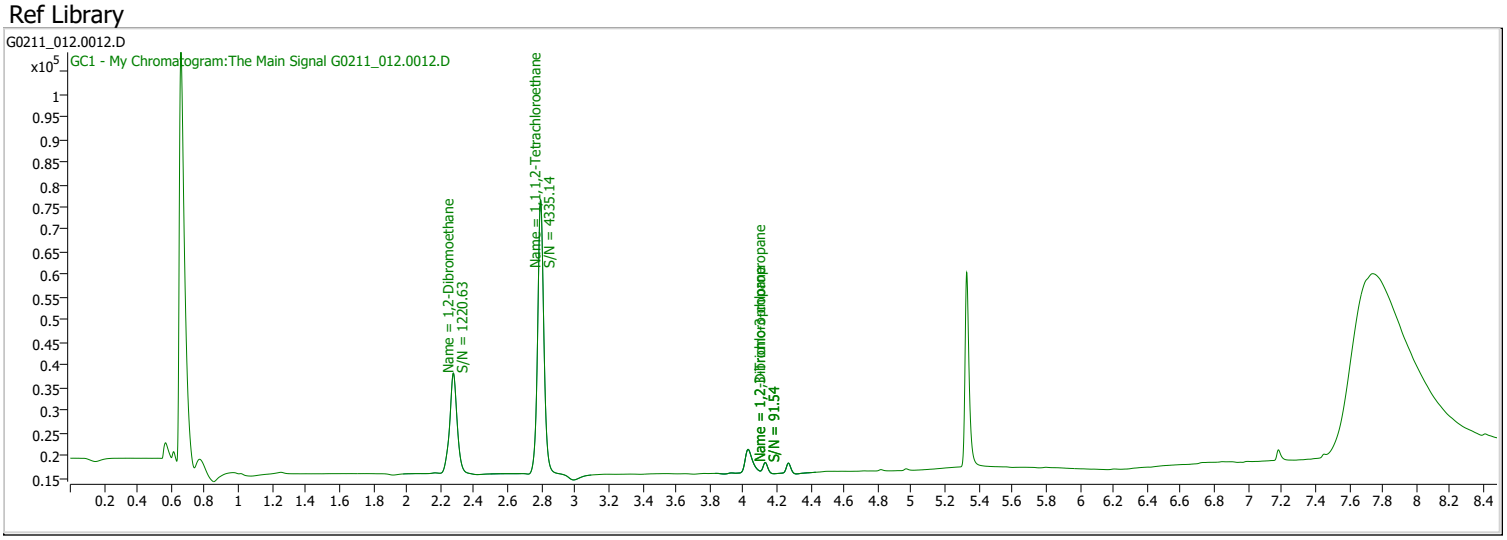


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.2001	2.80	0.00	70271 (m)				



Quantitation Results Report (QT Reviewed)

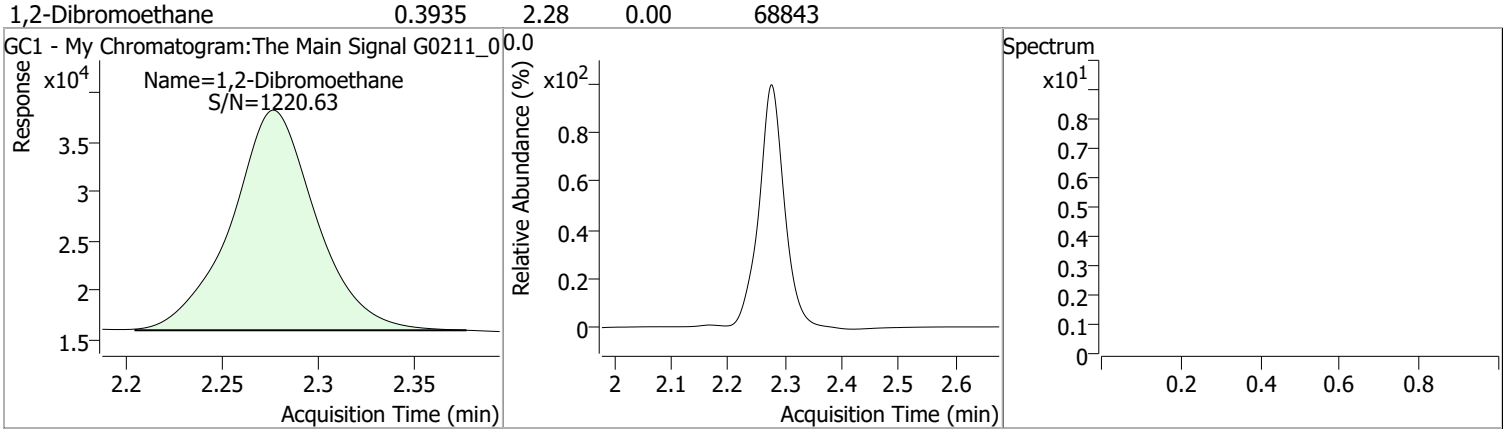
Data File	G0211_012.0012.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 1:15:39 PM
Sample Name	CAL5-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



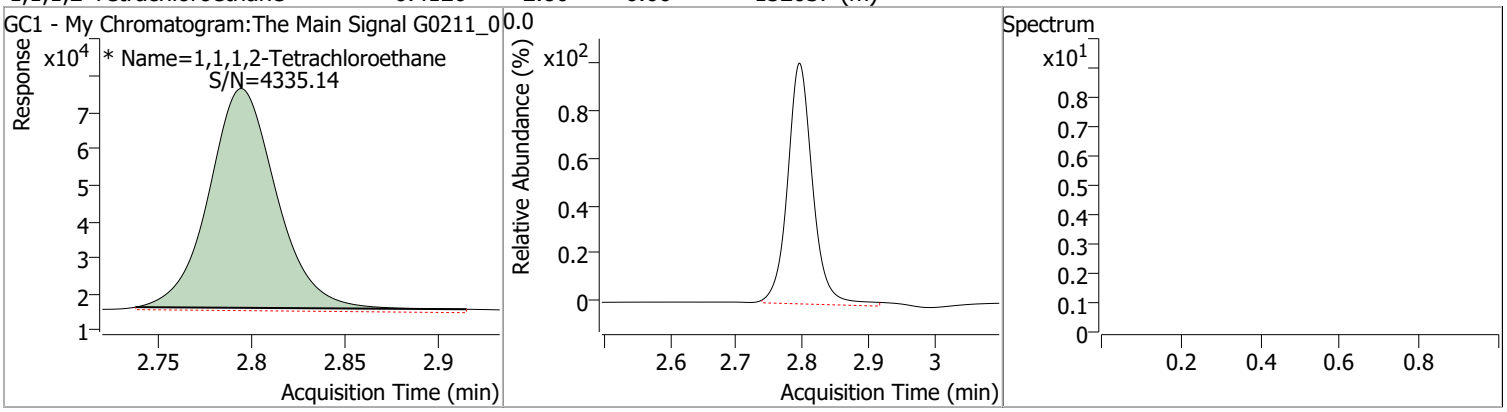
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.795	0.0	152037	0.4126	µg/L	m	-0.002
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 412.59%		*	
Target Compounds							QValue
M 1,2-Dibromoethane	2.277	0.0	68843	0.3935	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.3935	2.28	0.00	68843				

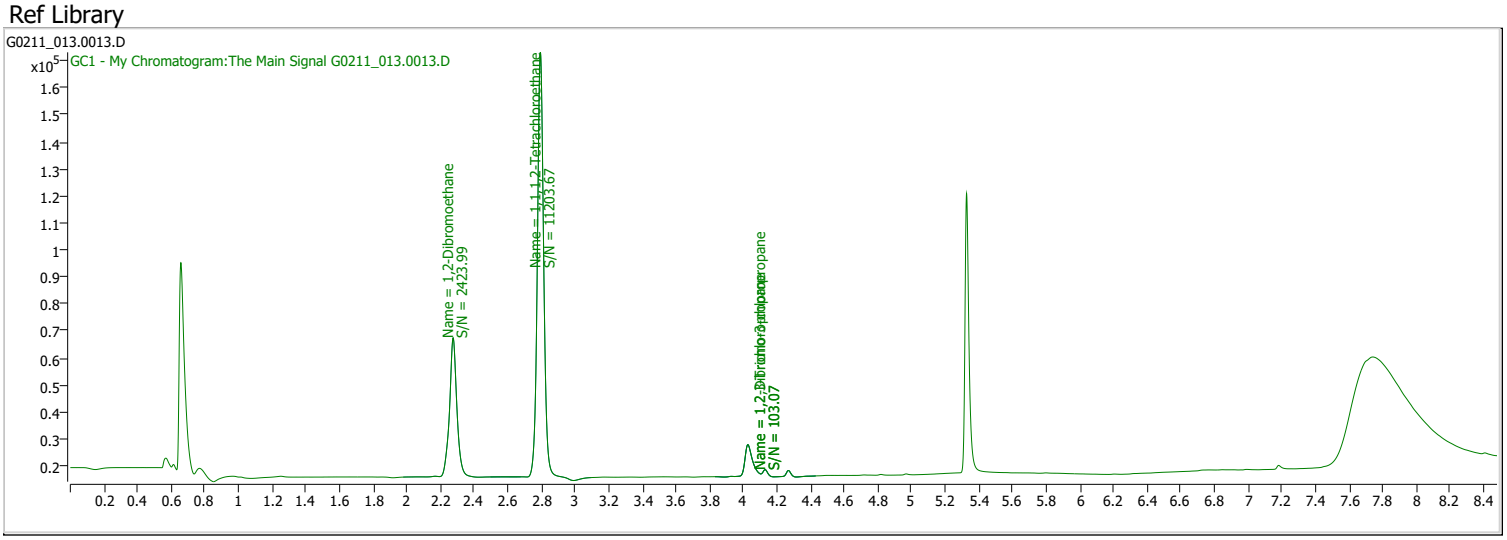


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.4126	2.80	0.00	152037 (m)				



Quantitation Results Report (QT Reviewed)

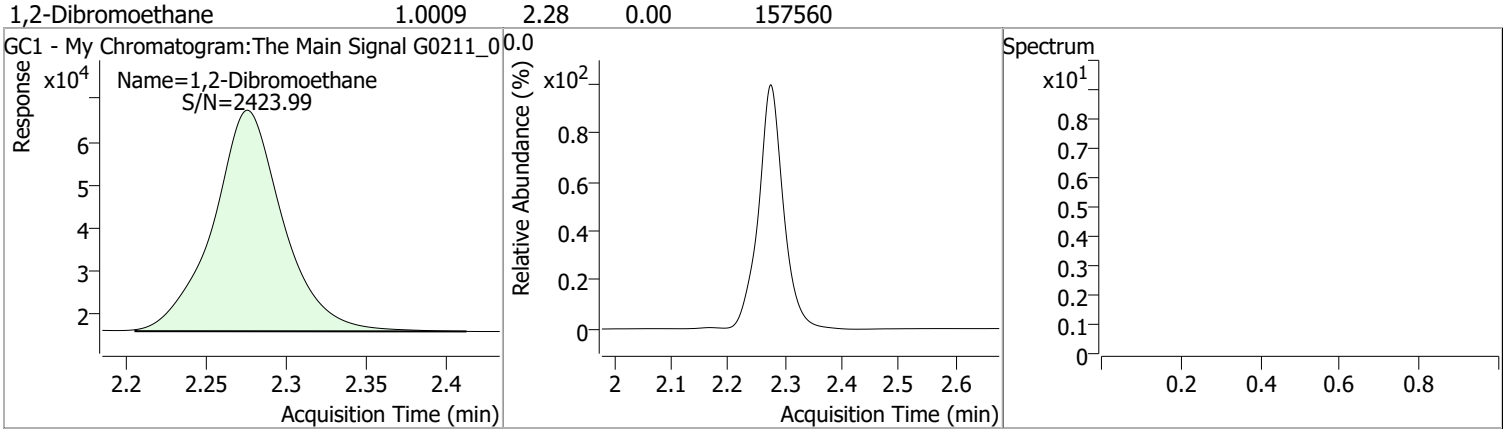
Data File	G0211_013.0013.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 1:35:23 PM
Sample Name	CAL6-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



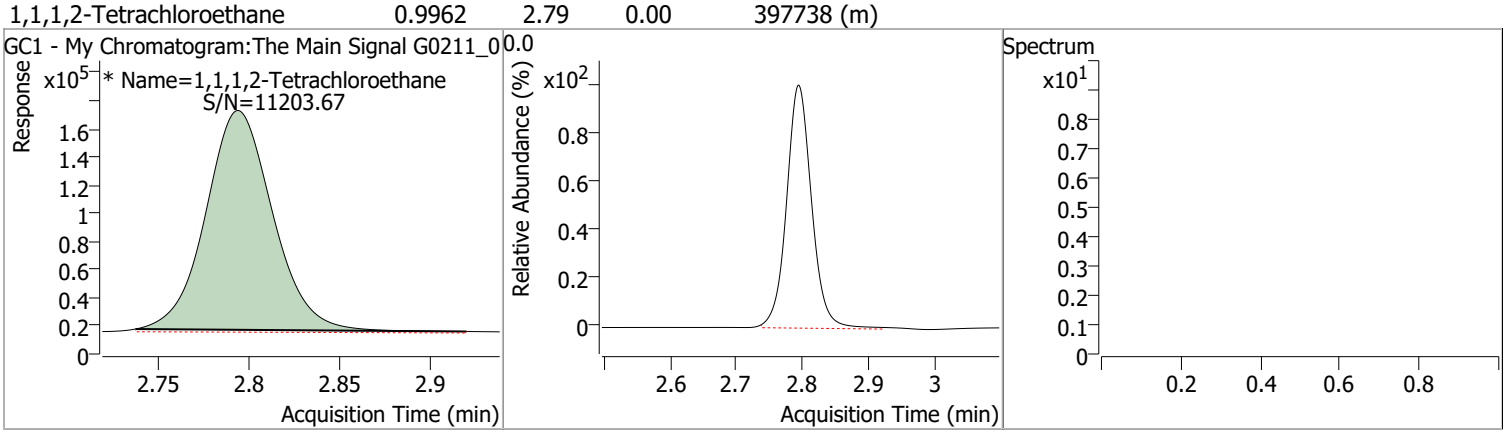
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.793	0.0	397738	0.9962	µg/L	m	-0.003
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 996.22%		*	
Target Compounds							QValue
M 1,2-Dibromoethane	2.275	0.0	157560	1.0009	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	1.0009	2.28	0.00	157560				

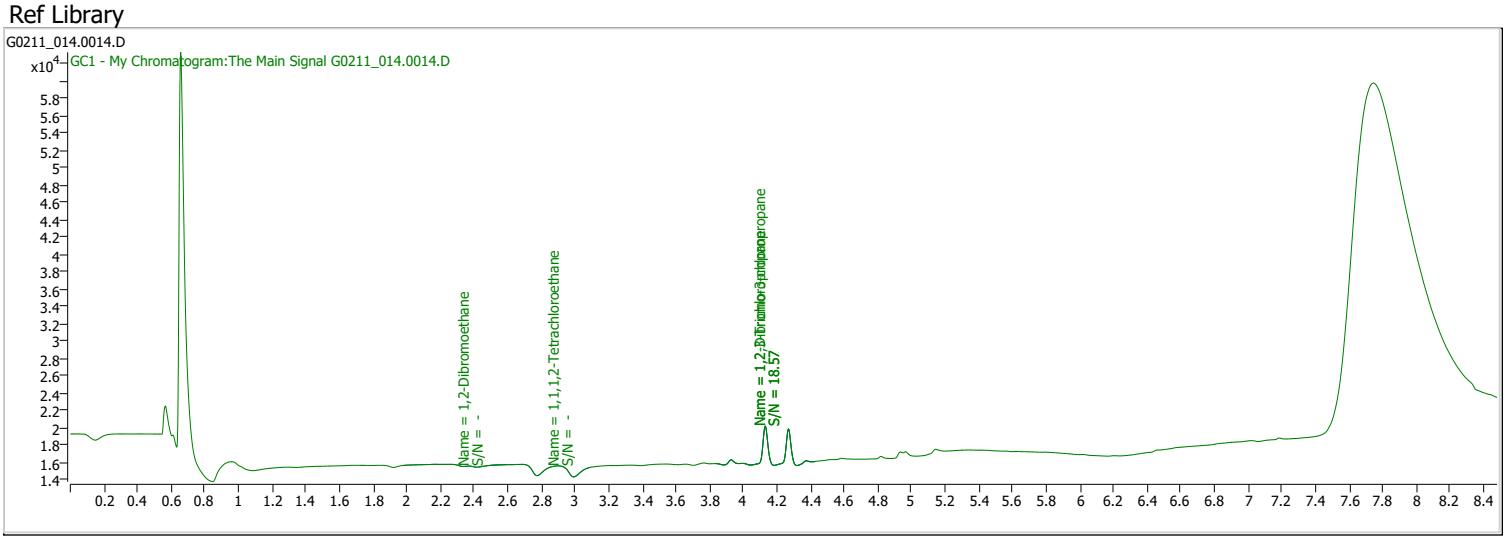


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.9962	2.79	0.00	397738 (m)				



Quantitation Results Report (QT Reviewed)

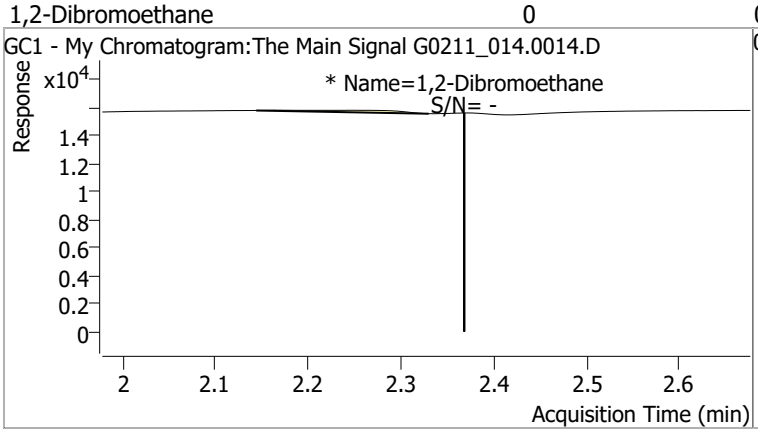
Data File	G0211_014.0014.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 1:55:03 PM
Sample Name	Hexan	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

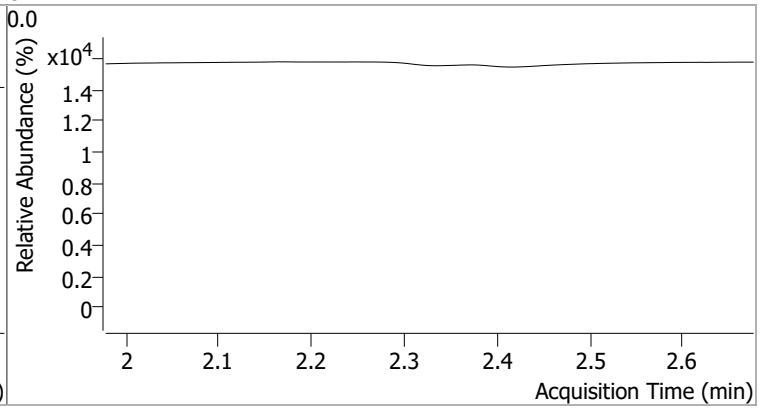


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.903	0.0	0		µg/L	md	0.107
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = NA%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.368	0.0	0		µg/L	md	1

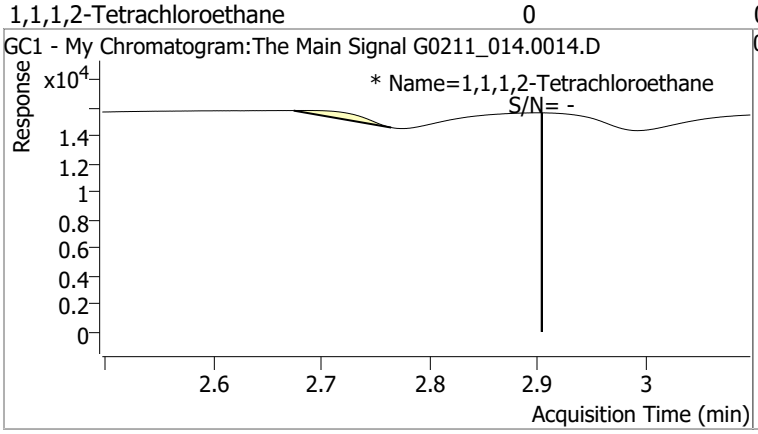
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

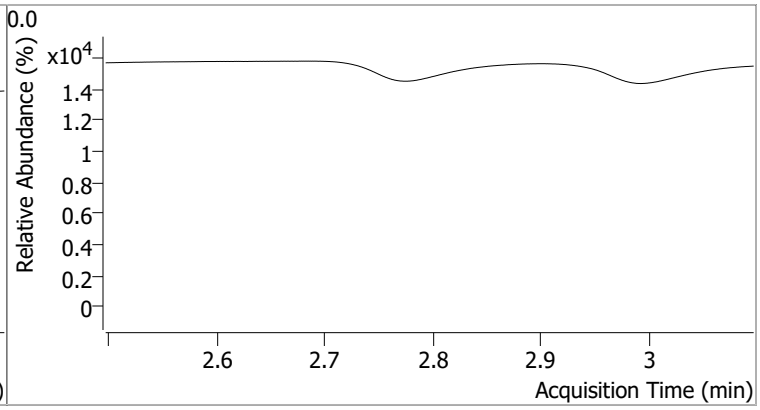
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				





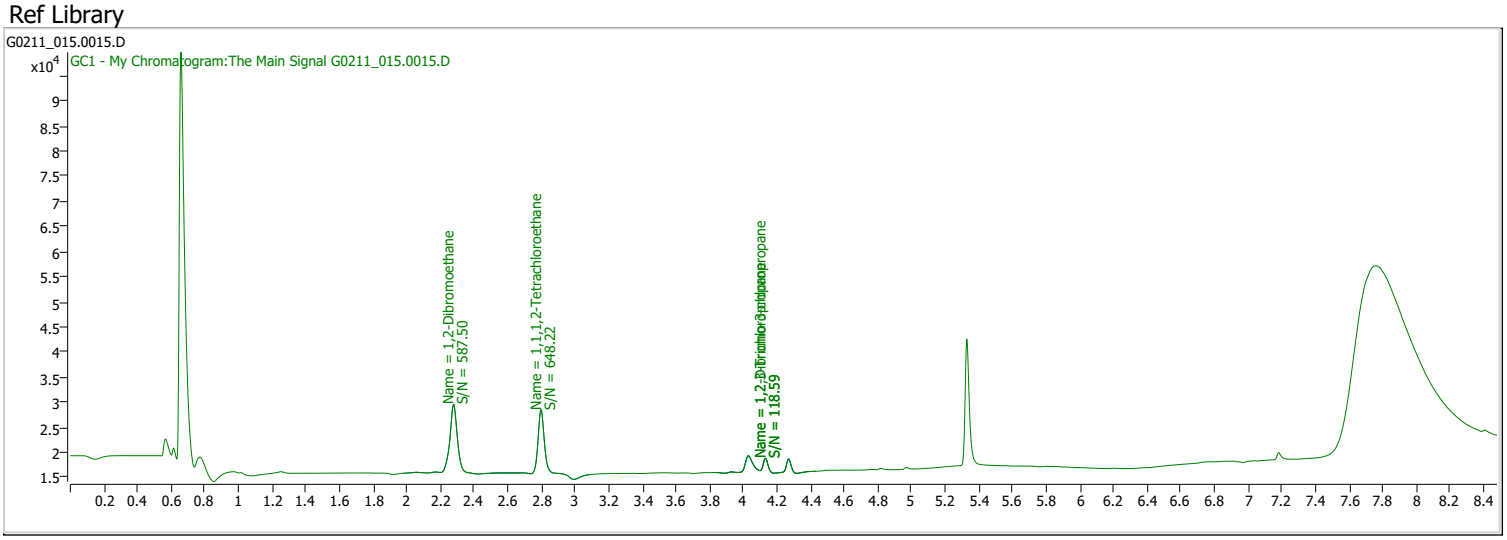
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane		0		0				





Quantitation Results Report (QT Reviewed)

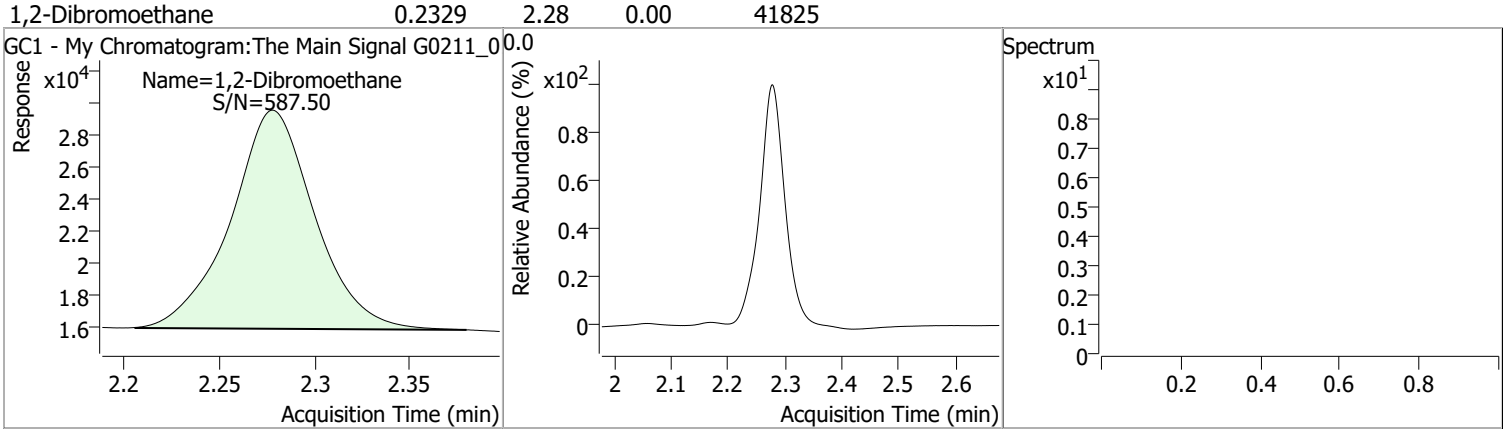
Data File	G0211_015.0015.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 2:14:51 PM
Sample Name	LCS-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



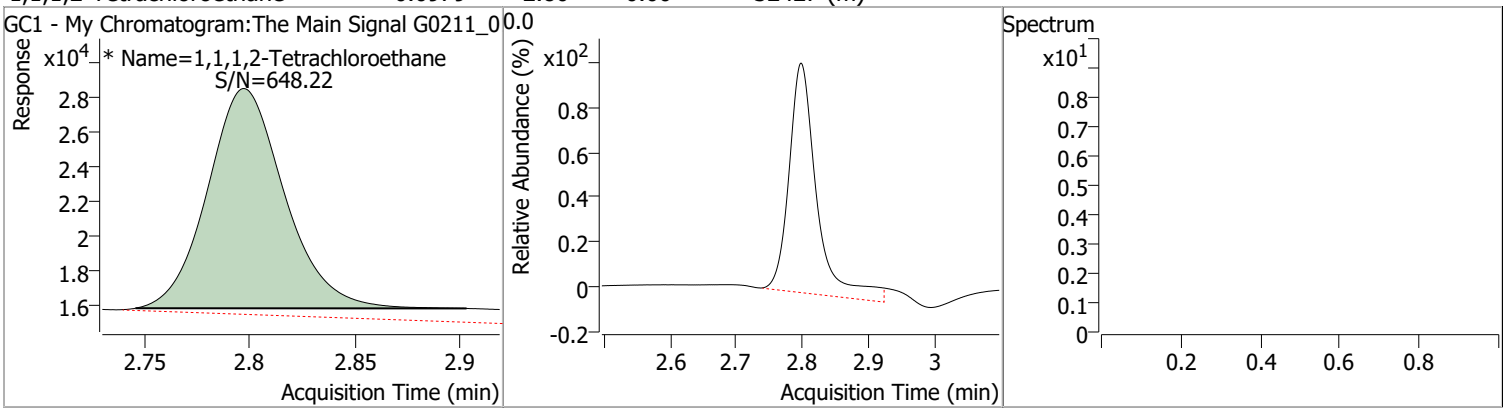
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.798	0.0	32427	0.0979	µg/L	m	0.001
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 97.93%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.278	0.0	41825	0.2329	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.2329	2.28	0.00	41825				

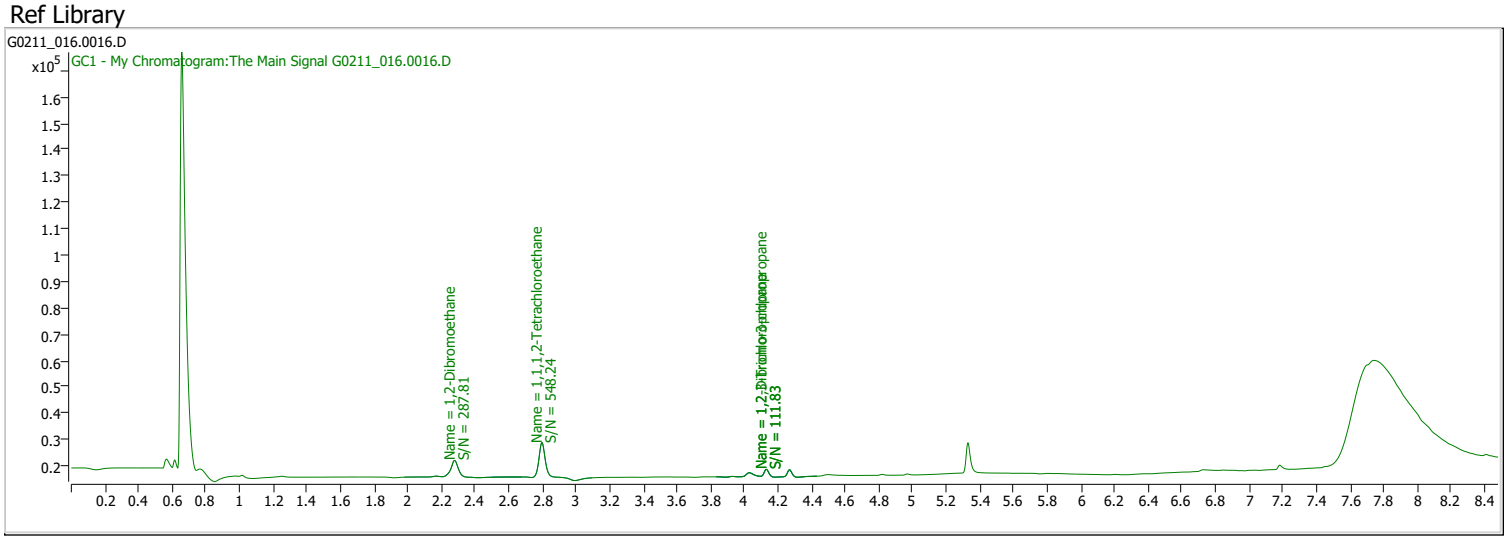


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0979	2.80	0.00	32427 (m)				



Quantitation Results Report (QT Reviewed)

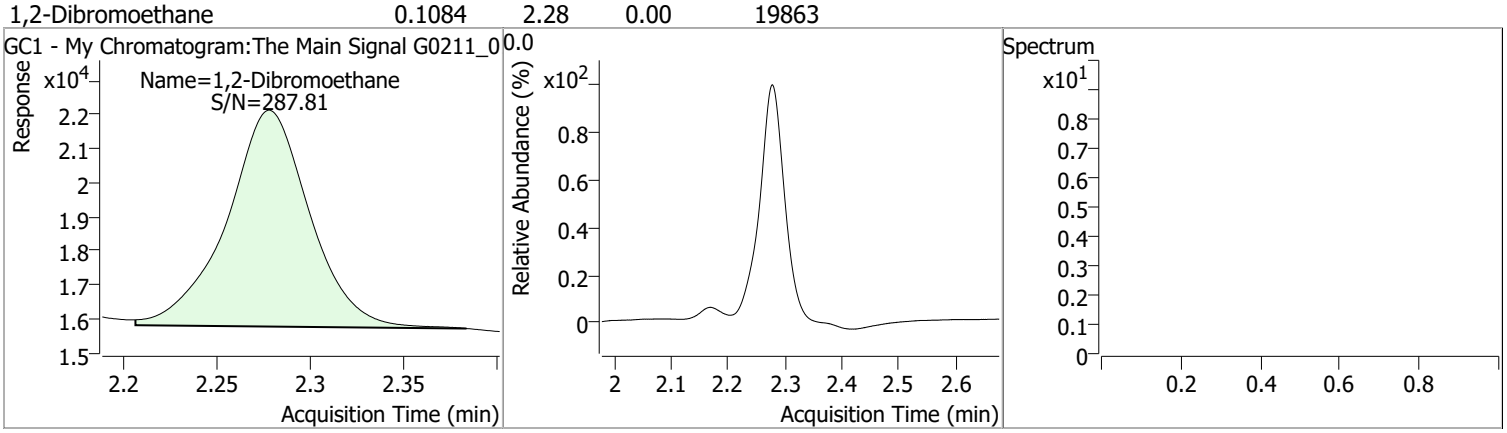
Data File	G0211_016.0016.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 2:34:46 PM
Sample Name	CAL3-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



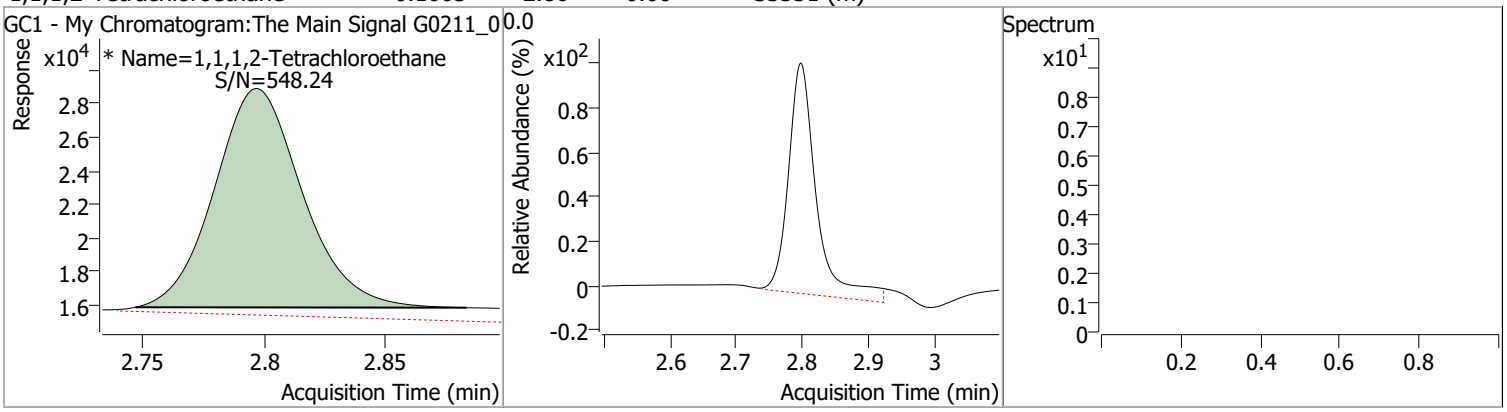
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.797	0.0	33351	0.1005	µg/L	m	0.000
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 100.45%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.278	0.0	19863	0.1084	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.1084	2.28	0.00	19863				

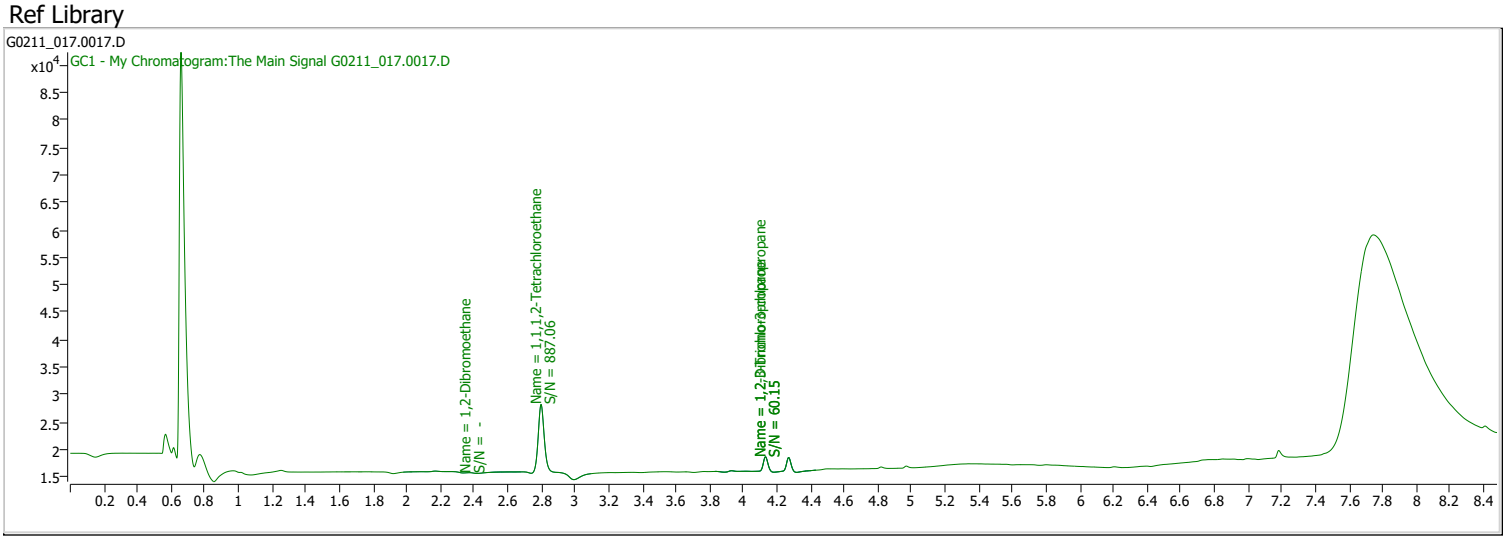


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.1005	2.80	0.00	33351 (m)				



Quantitation Results Report (QT Reviewed)

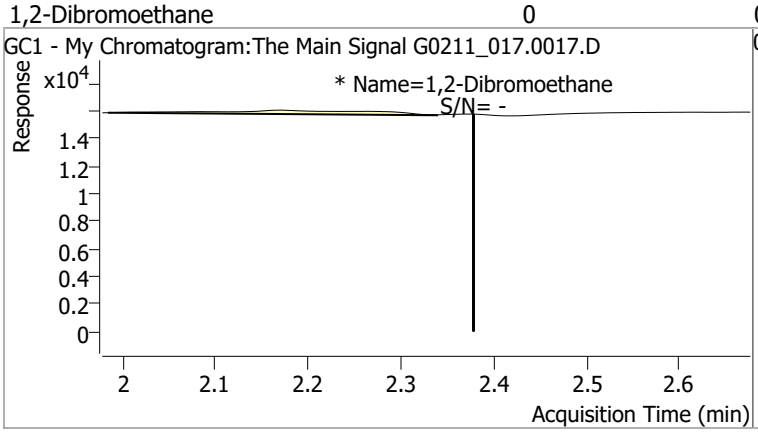
Data File	G0211_017.0017.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 2:54:34 PM
Sample Name	MB-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

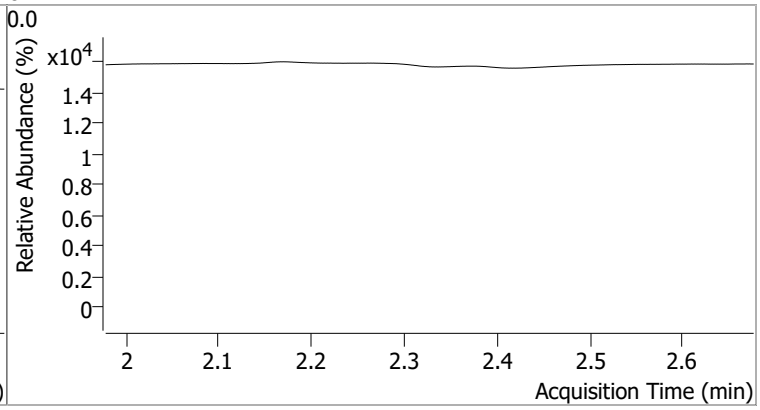


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.798	0.0	30422	0.0924	µg/L	m	0.001
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 92.44%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.378	0.0	0		µg/L	md	1

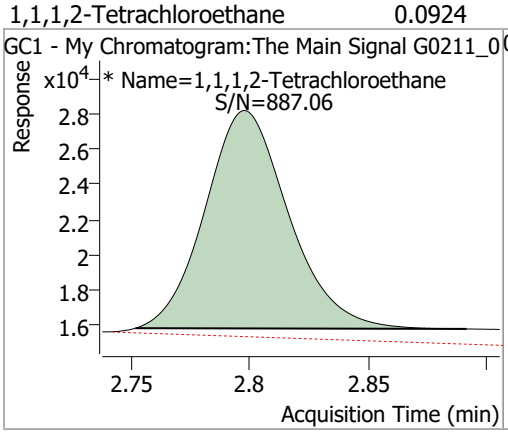
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

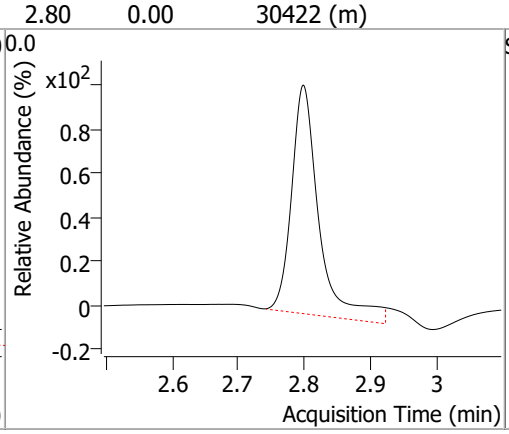
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

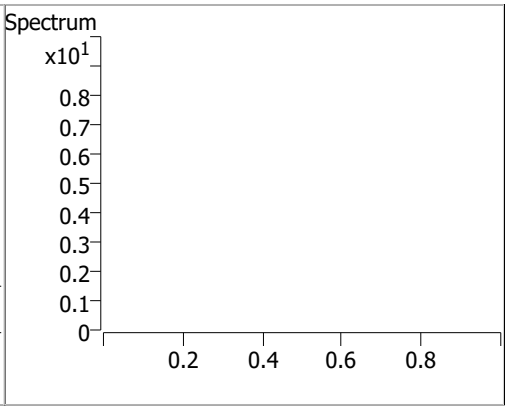




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0924	2.80	0.00	30422 (m)				

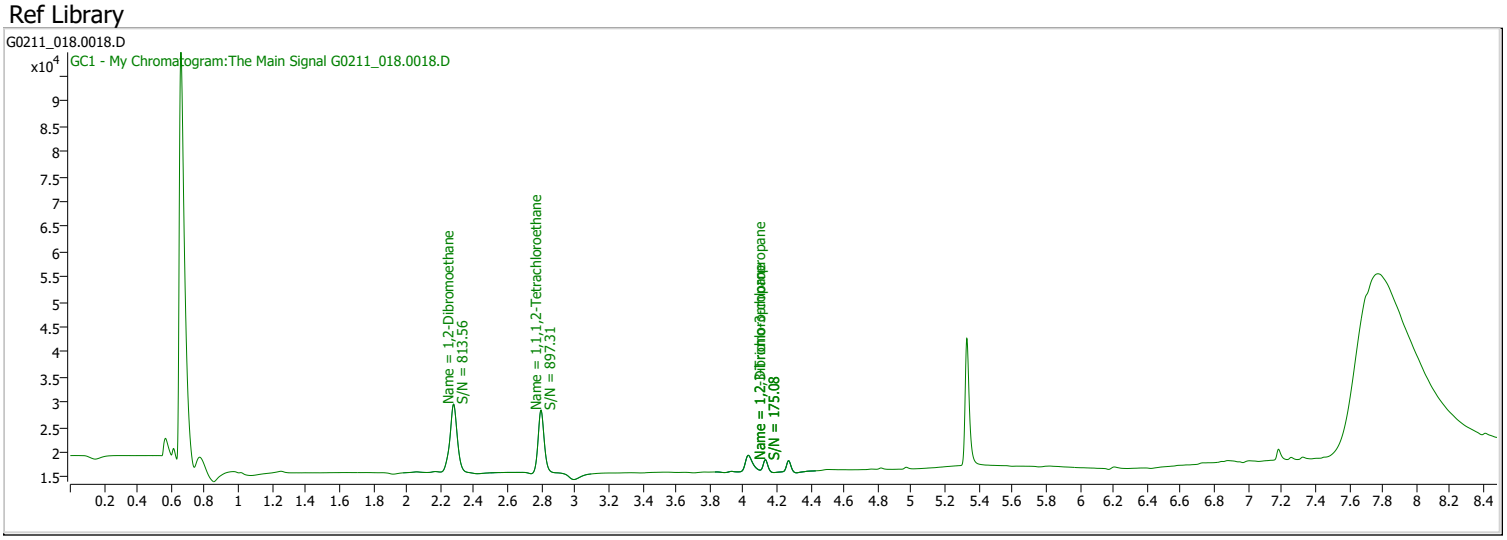






Quantitation Results Report (QT Reviewed)

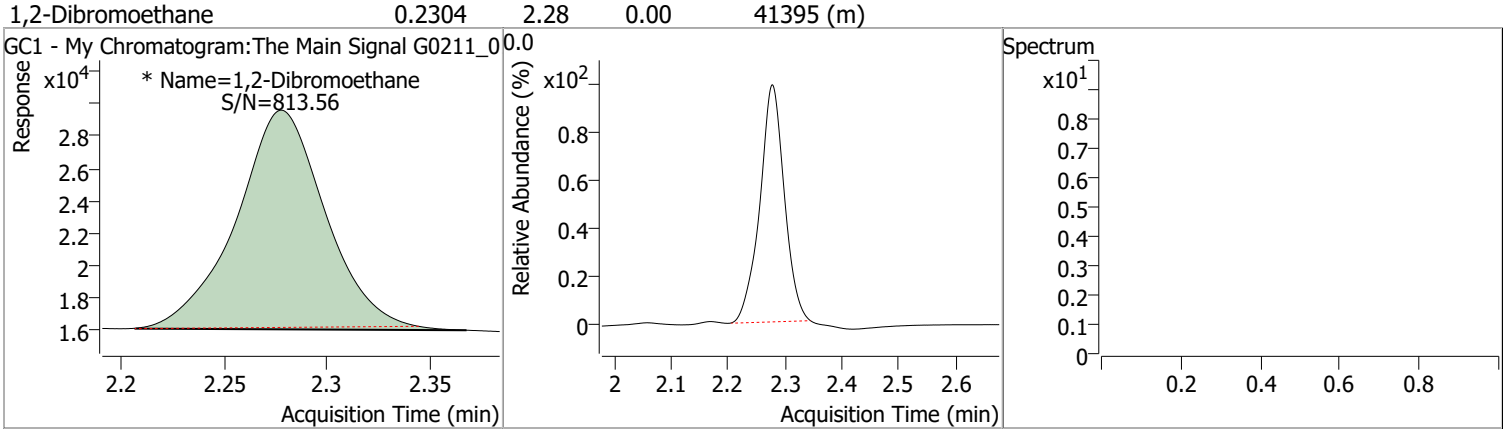
Data File	G0211_018.0018.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 3:14:17 PM
Sample Name	LCS-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



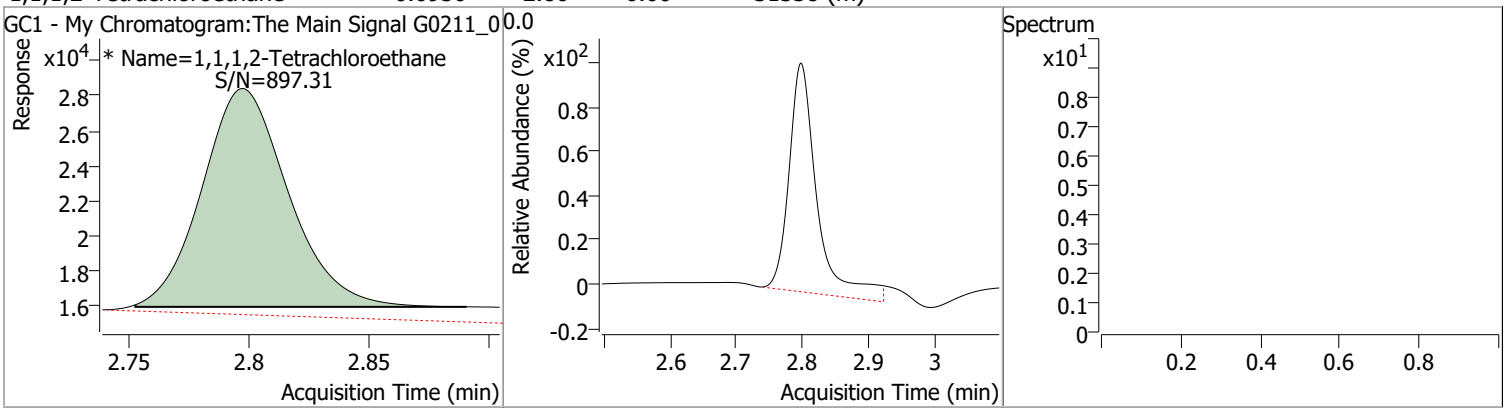
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.798	0.0	31338	0.0950	µg/L	m	0.001
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 94.95%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.278	0.0	41395	0.2304	µg/L	m	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.2304	2.28	0.00	41395 (m)				

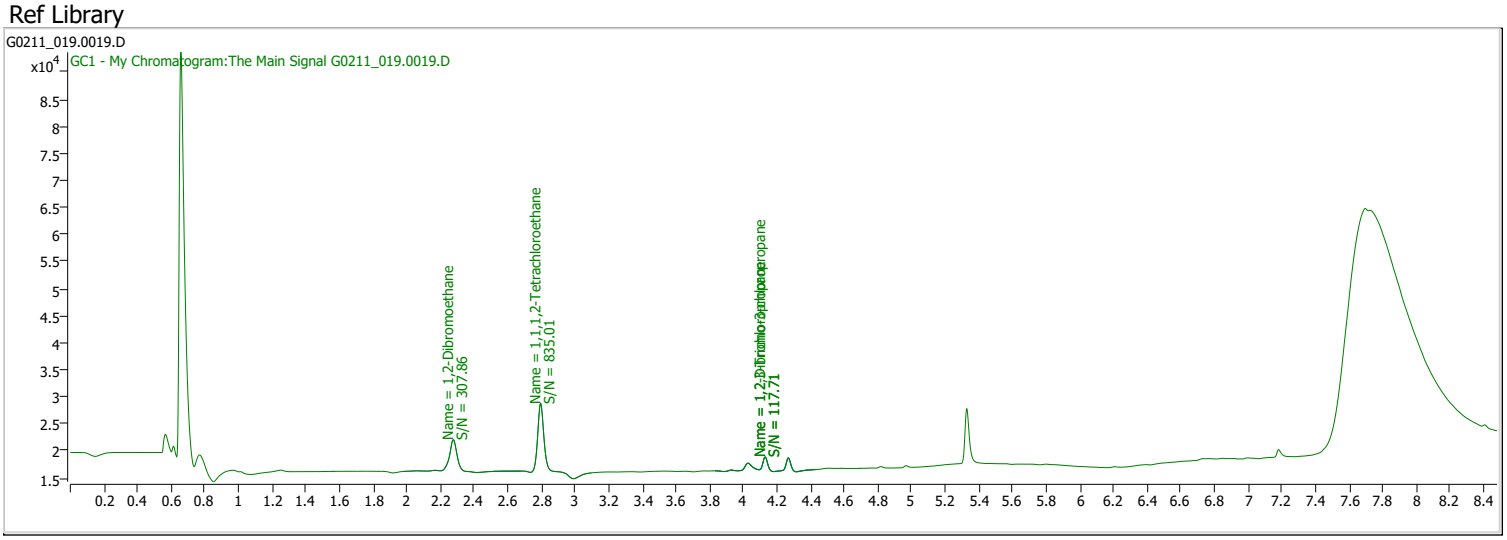


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0950	2.80	0.00	31338 (m)				



Quantitation Results Report (QT Reviewed)

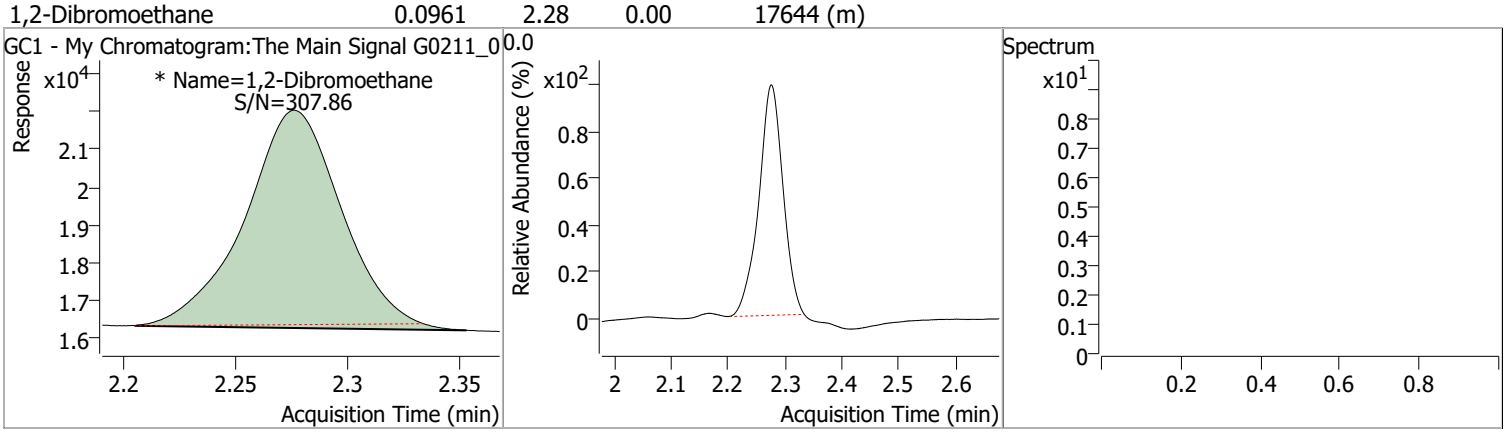
Data File	G0211_019.0019.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 3:34:09 PM
Sample Name	LCS1-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



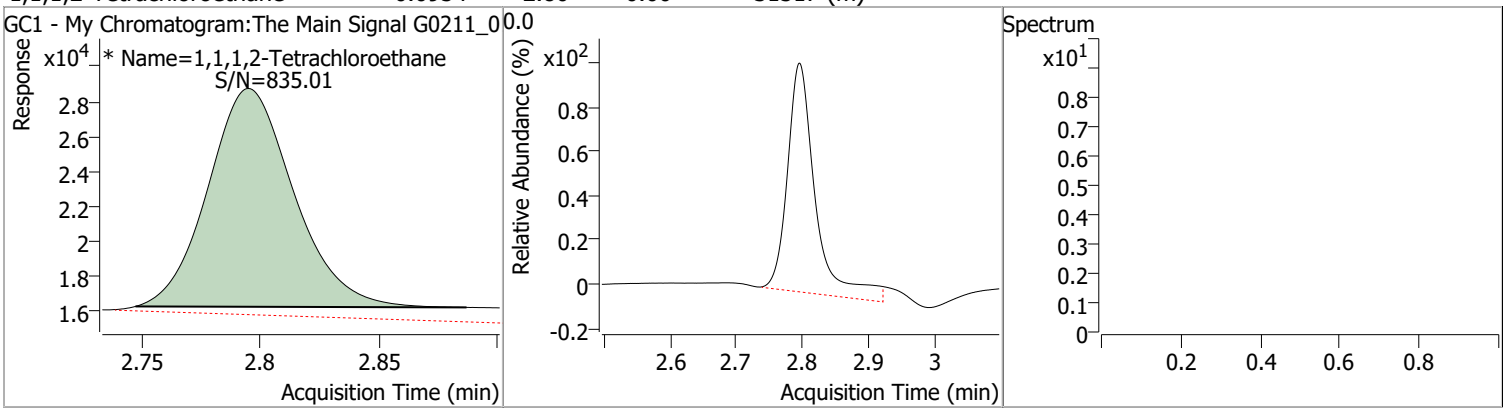
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.795	0.0	31517	0.0954	µg/L	m	-0.002
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 95.44%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.276	0.0	17644	0.0961	µg/L	m	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.0961	2.28	0.00	17644 (m)				

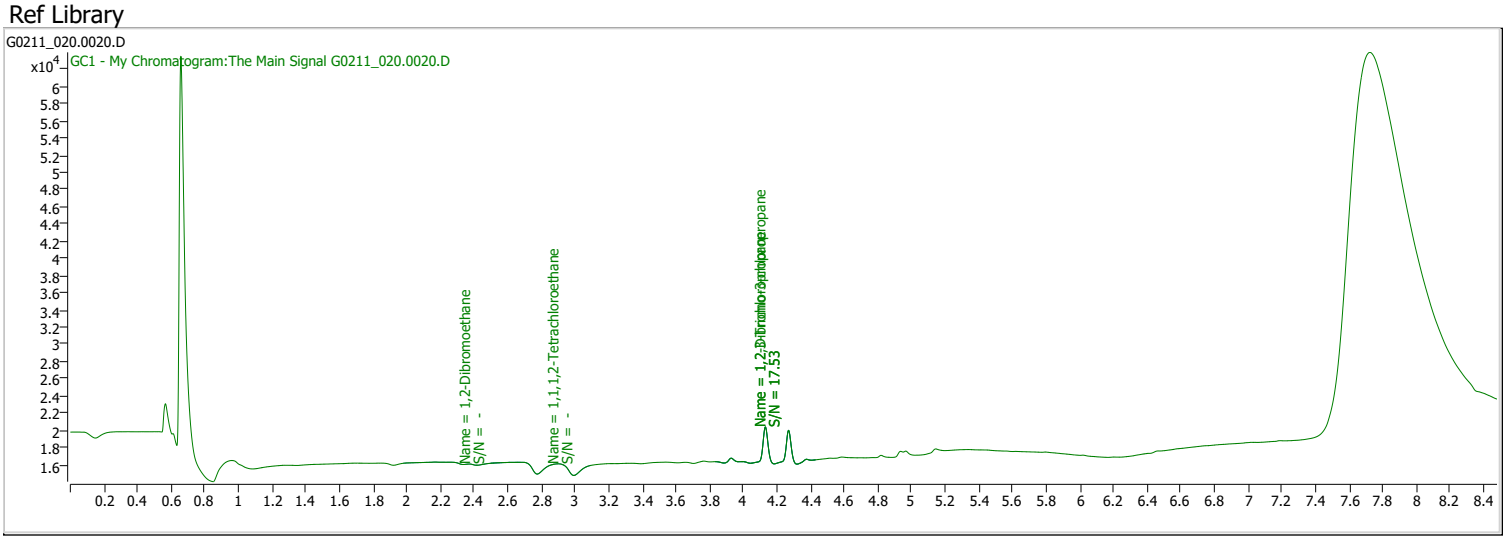


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0954	2.80	0.00	31517 (m)				



Quantitation Results Report (QT Reviewed)

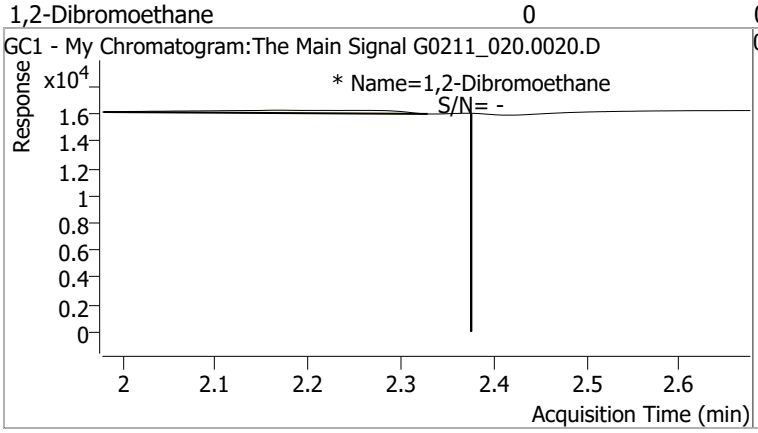
Data File	G0211_020.0020.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 3:53:53 PM
Sample Name	Hexan	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

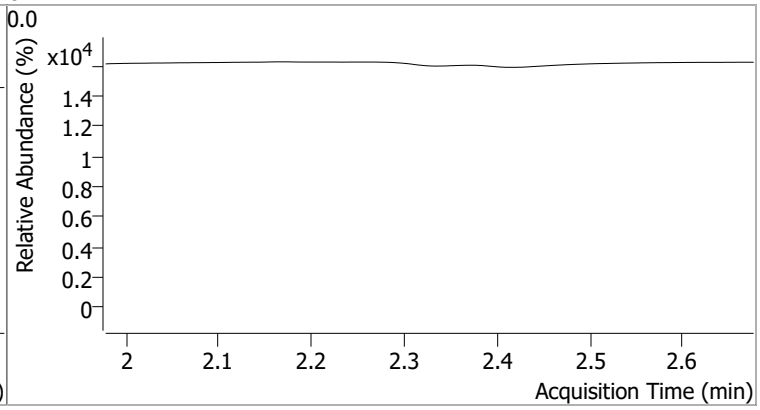


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.902	0.0	0		µg/L	md	0.105
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = NA%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.376	0.0	0		µg/L	md	1

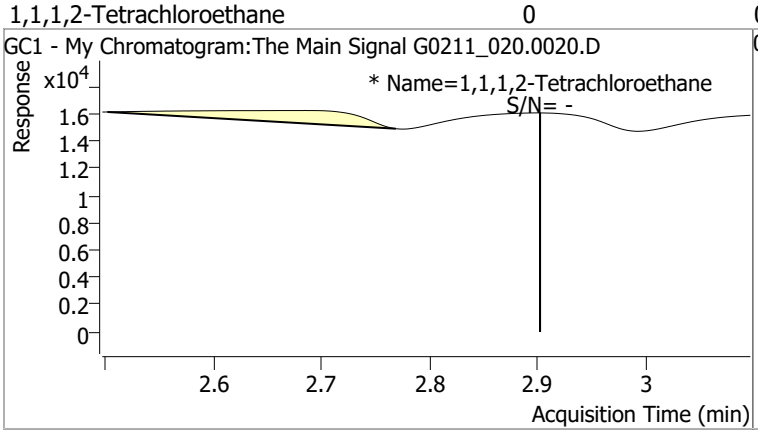
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

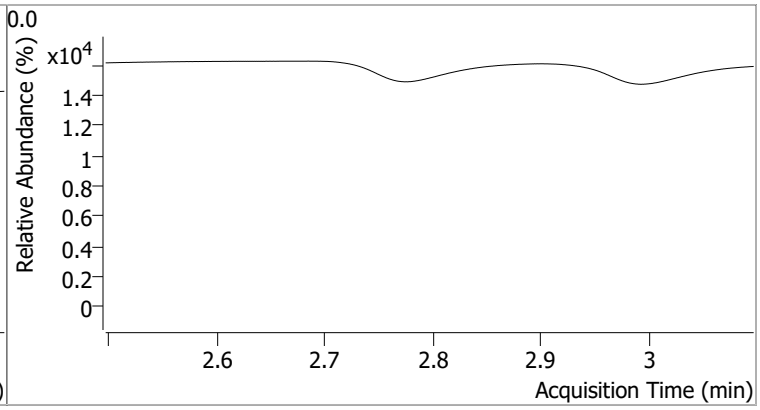
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				





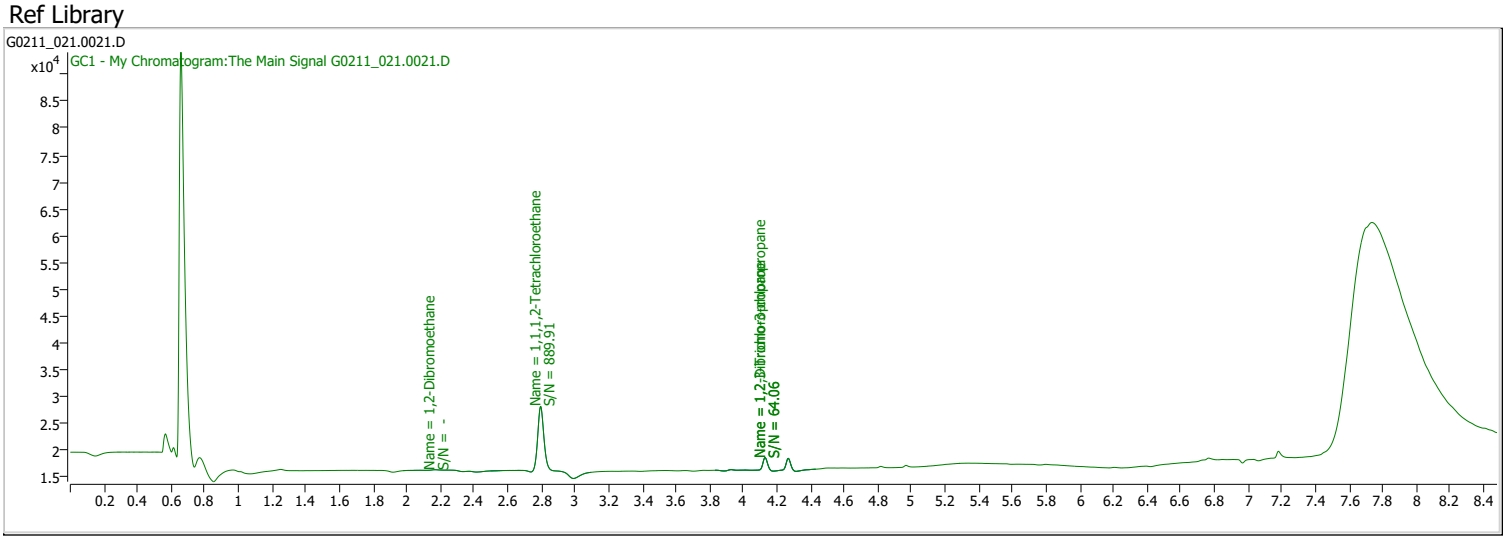
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane		0		0				





Quantitation Results Report (QT Reviewed)

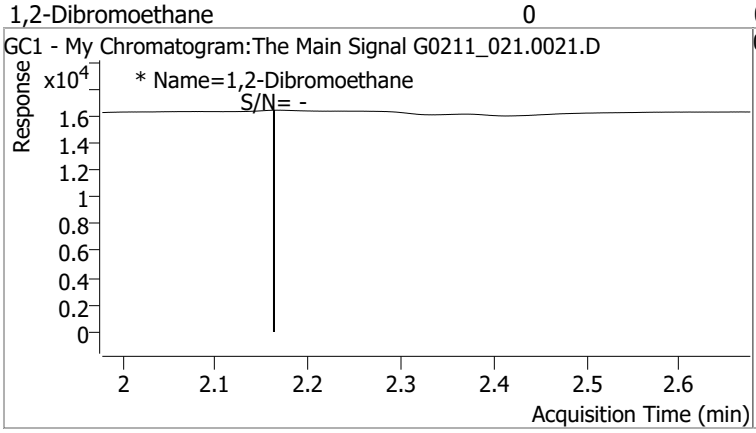
Data File	G0211_021.0021.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 4:13:45 PM
Sample Name	B22010745-005A	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

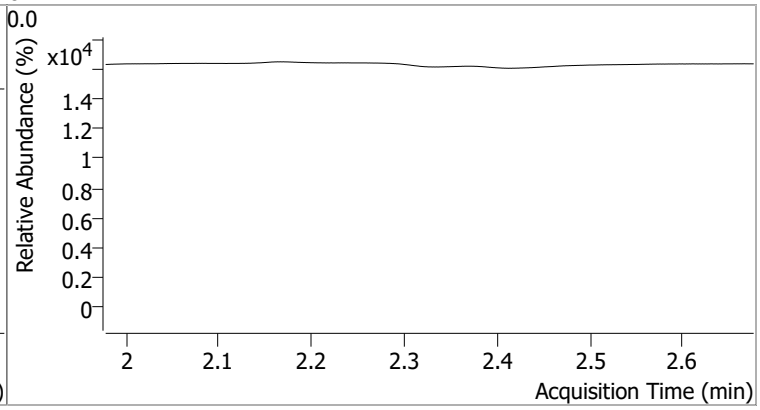


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.795	0.0	30359	0.0923	µg/L	m	-0.002
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 92.27%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.163	0.0	0		µg/L	md	1

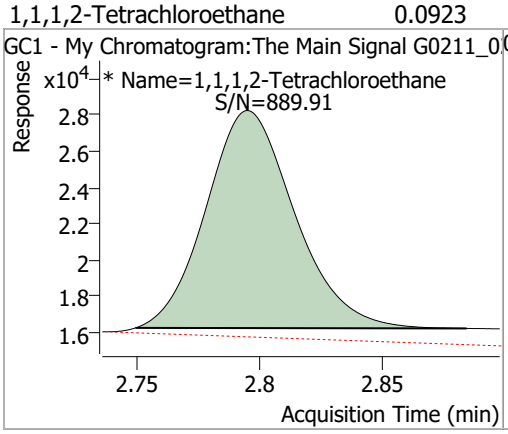
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

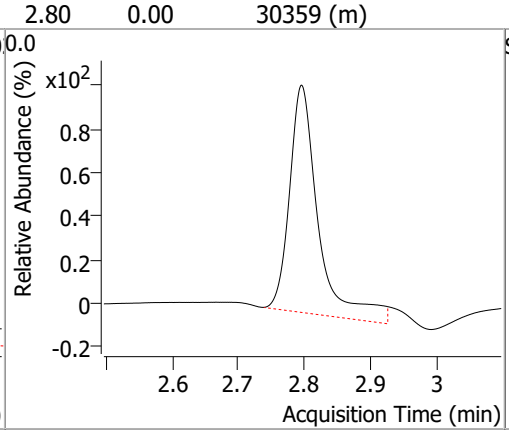
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

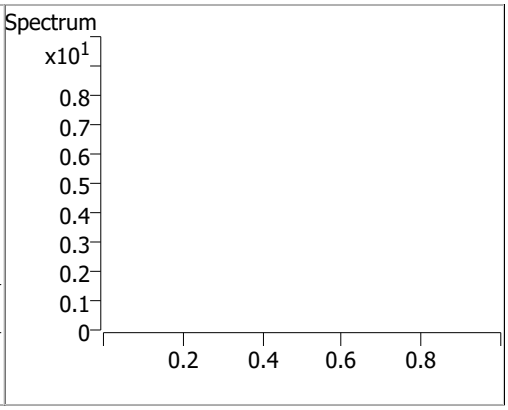




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0923	2.80	0.00	30359 (m)				

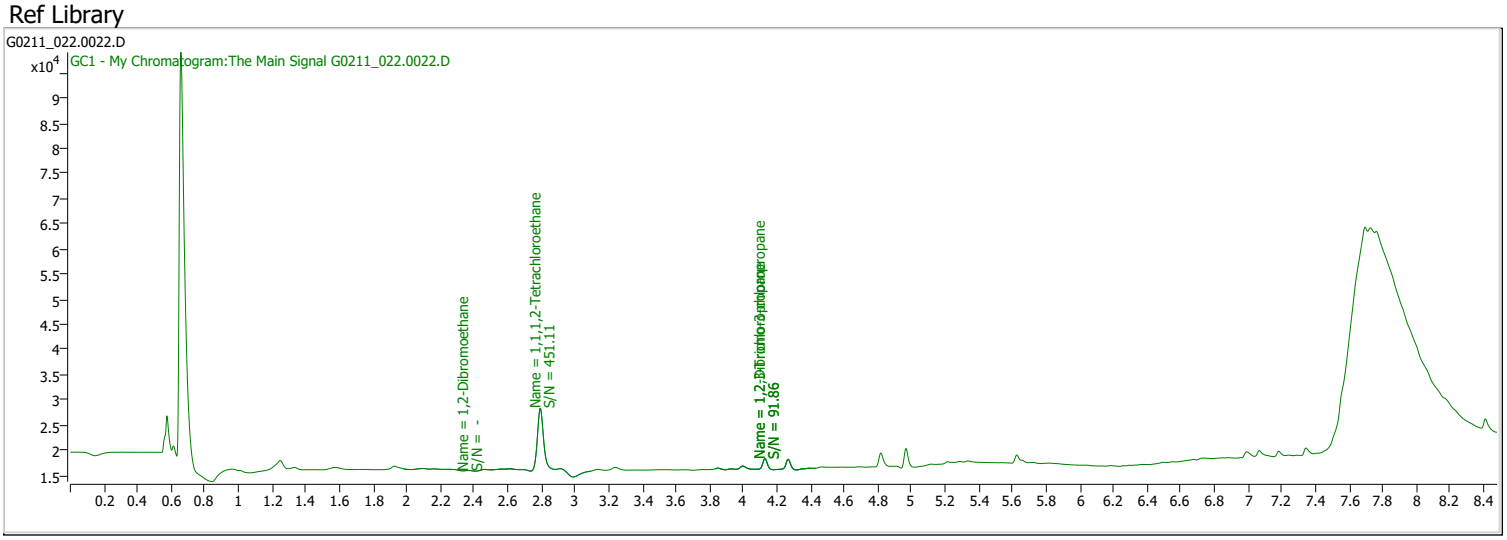






Quantitation Results Report (QT Reviewed)

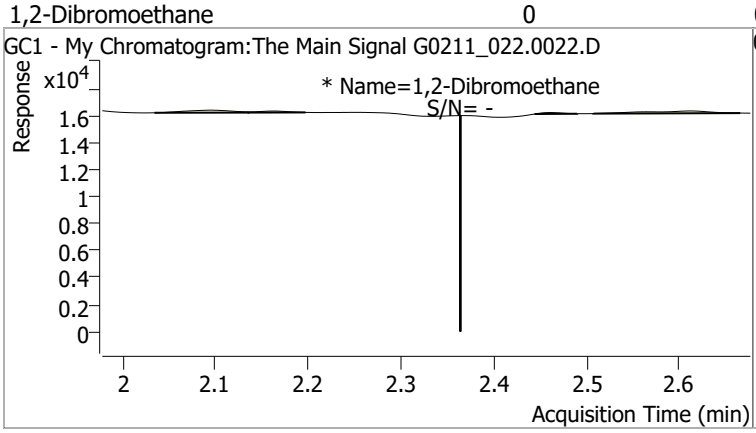
Data File	G0211_022.0022.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 4:33:42 PM
Sample Name	B22020415-004A	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

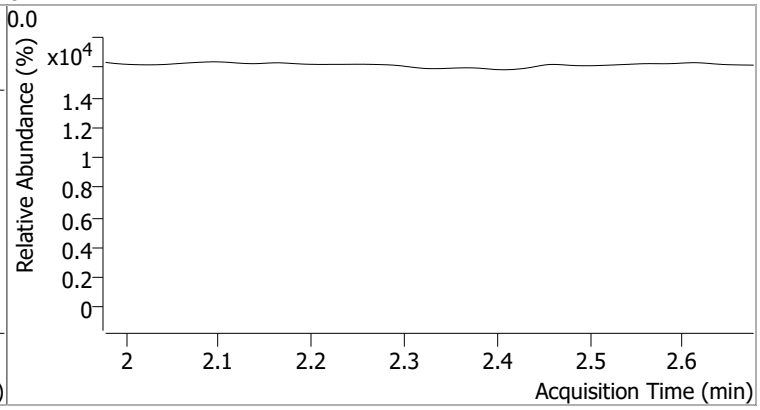


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.793	0.0	30252	0.0920	µg/L	m	-0.003
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 91.98%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.364	0.0	0		µg/L	md	1

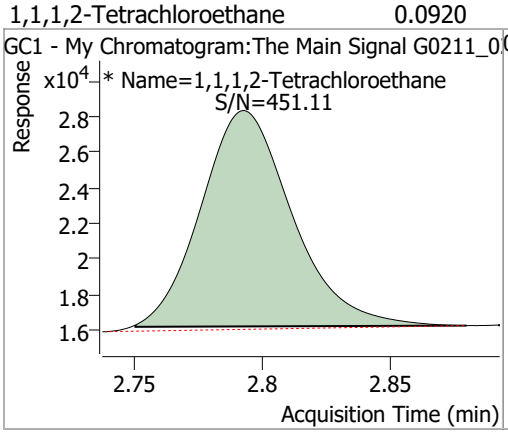
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

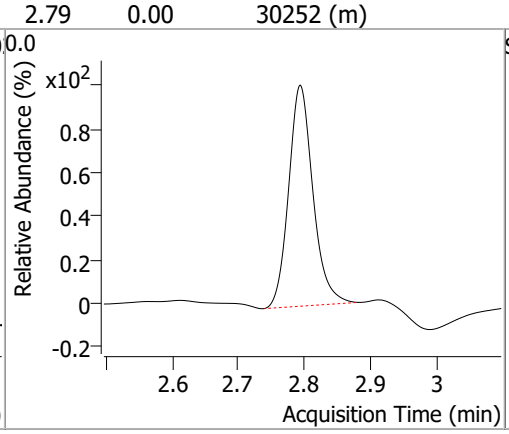
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

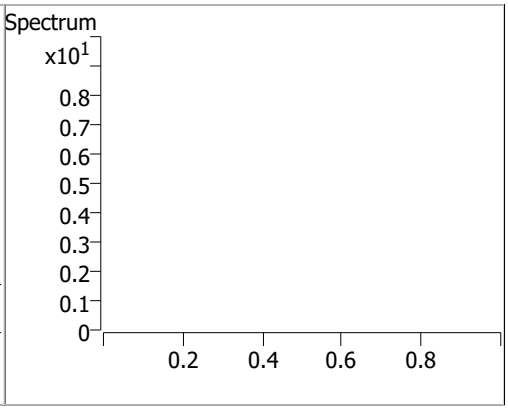




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0920	2.79	0.00	30252 (m)				

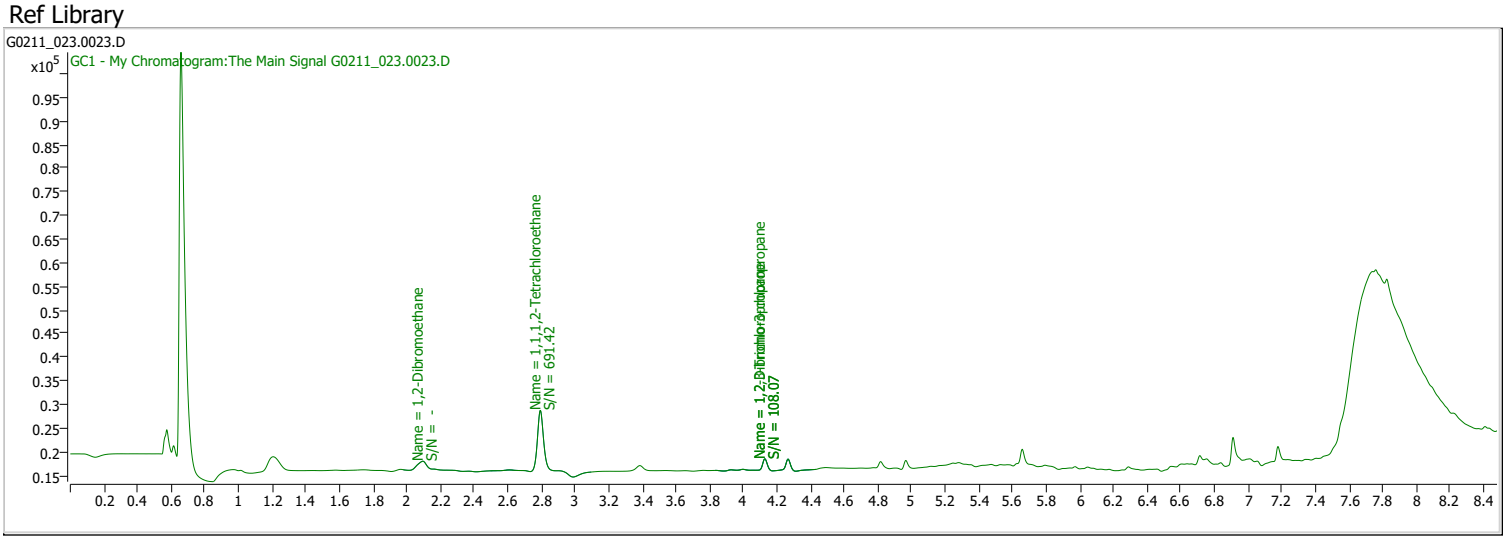






Quantitation Results Report (QT Reviewed)

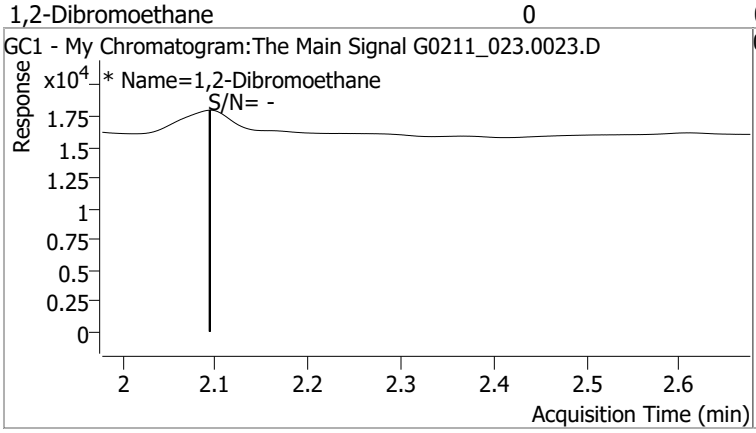
Data File	G0211_023.0023.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 4:53:35 PM
Sample Name	B22020415-006H	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

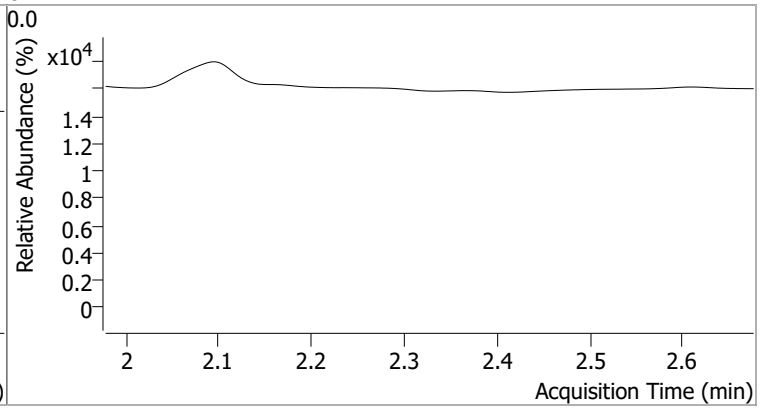


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.793	0.0	31794	0.0962	µg/L	m	-0.003
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 96.20%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.094	0.0	0		µg/L	md	1

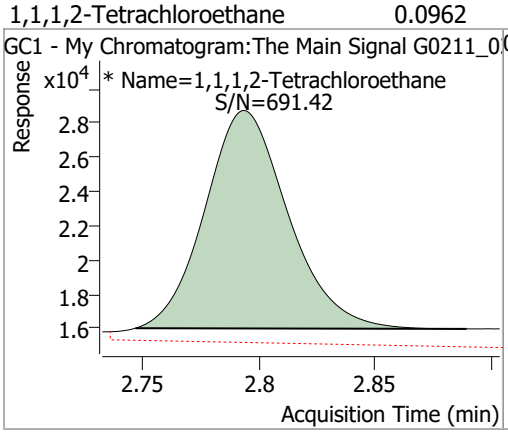
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

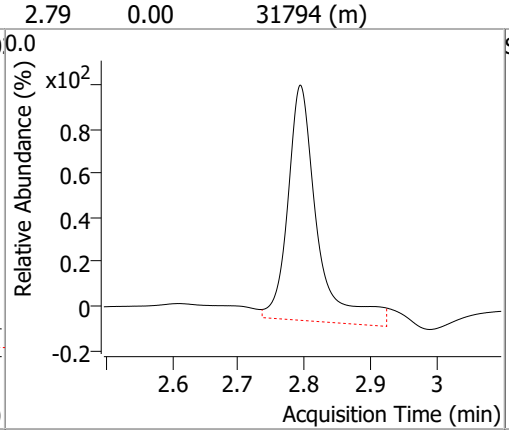
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

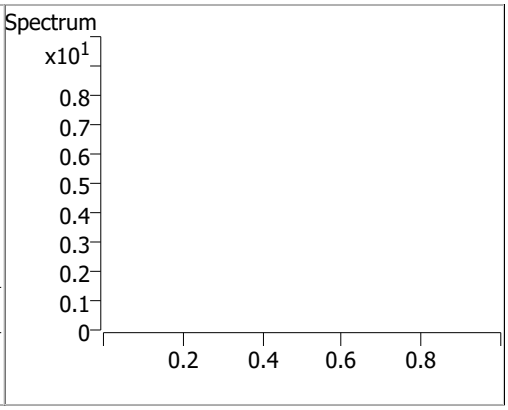




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0962	2.79	0.00	31794 (m)				

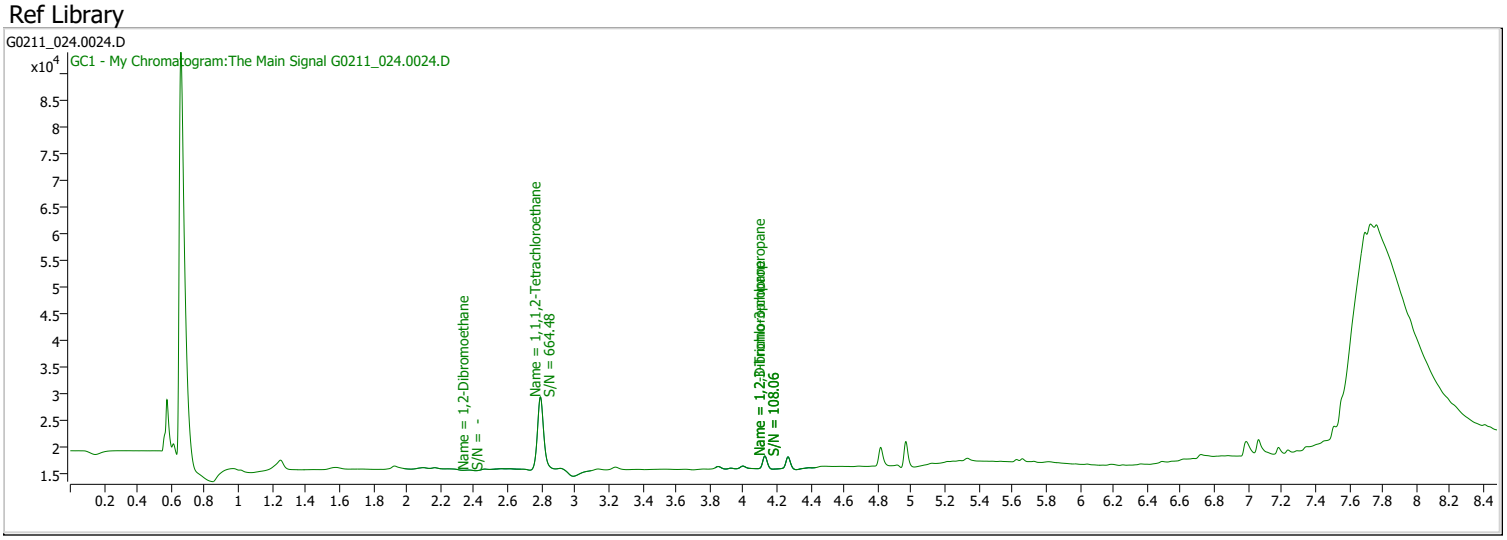






Quantitation Results Report (QT Reviewed)

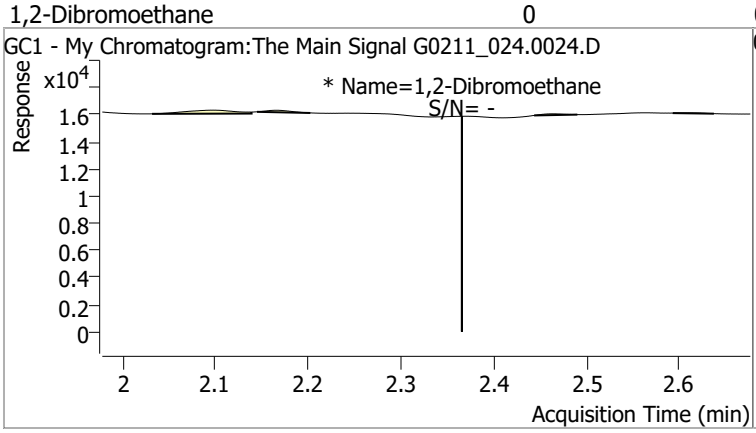
Data File	G0211_024.0024.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 5:13:35 PM
Sample Name	B22020415-009A	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

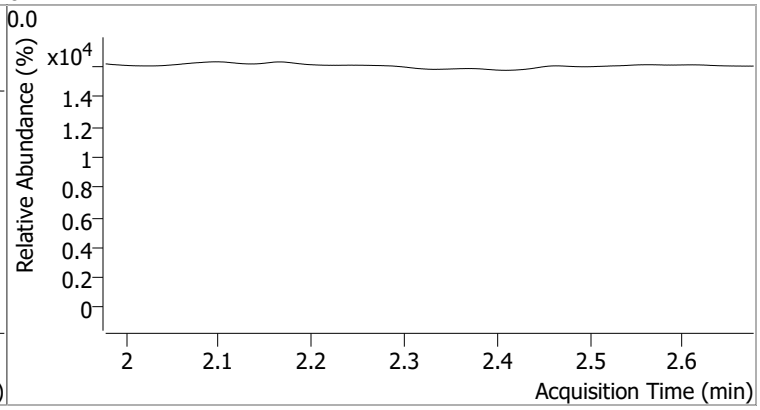


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.794	0.0	34424	0.1034	µg/L	m	-0.003
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 103.38%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.366	0.0	0		µg/L	md	1

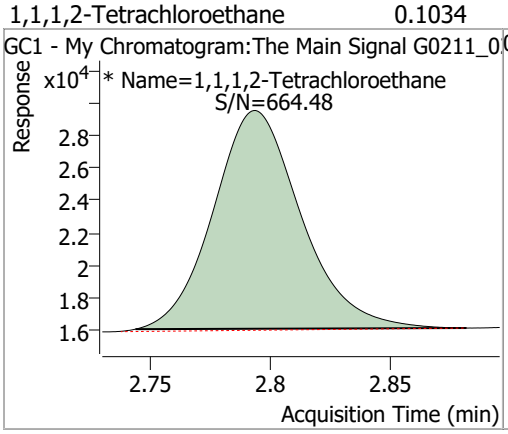
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

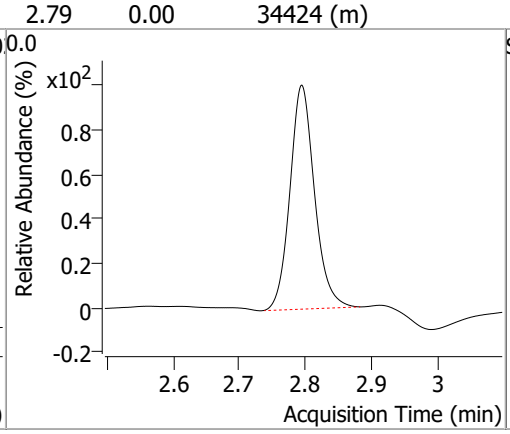
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

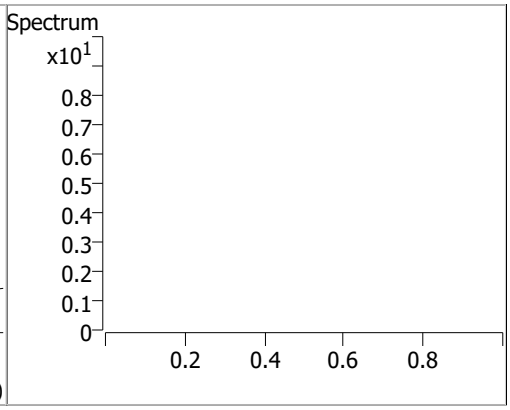




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.1034	2.79	0.00	34424 (m)				

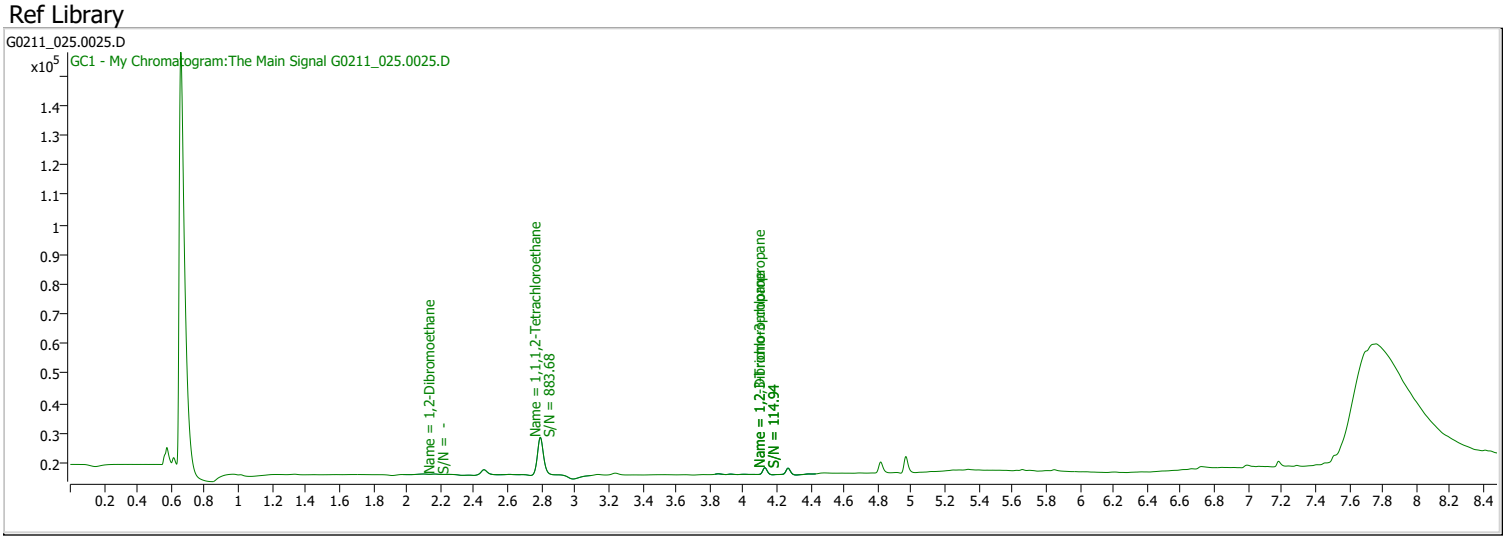






Quantitation Results Report (QT Reviewed)

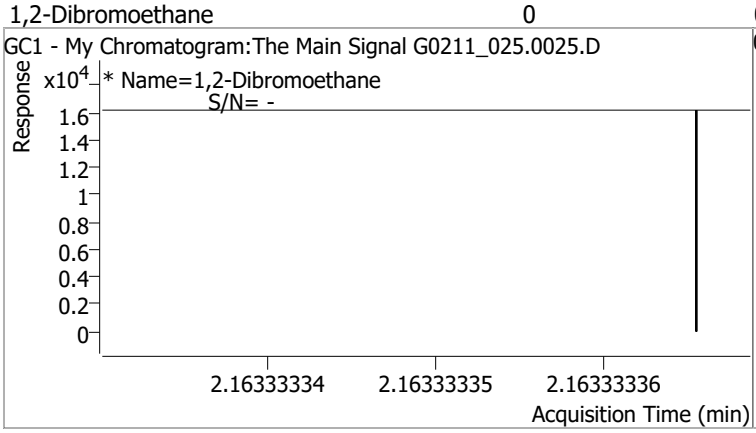
Data File	G0211_025.0025.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 5:33:27 PM
Sample Name	B22020415-011H	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

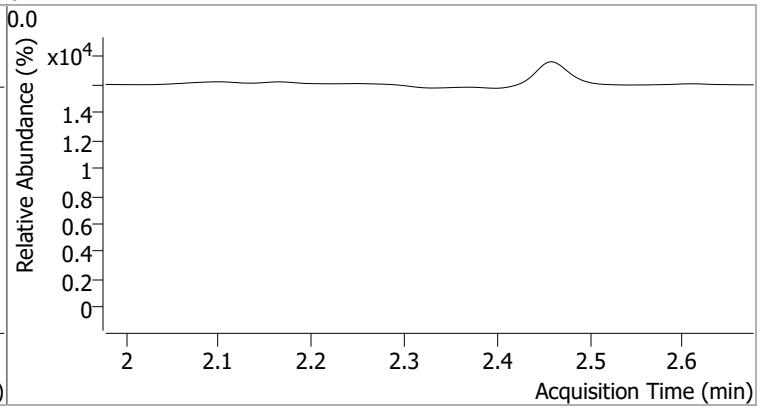


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.793	0.0	31613	0.0957	µg/L	m	-0.003
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 95.70%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.163	0.0	0		µg/L	md	1

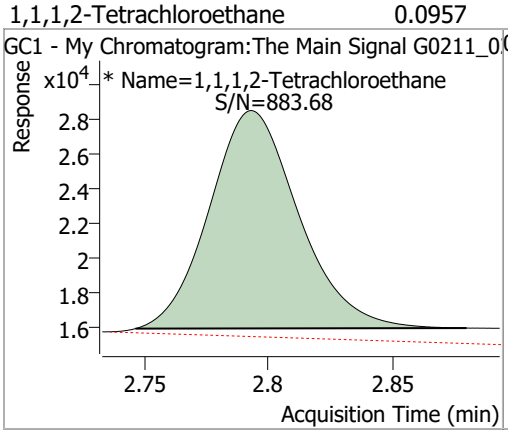
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

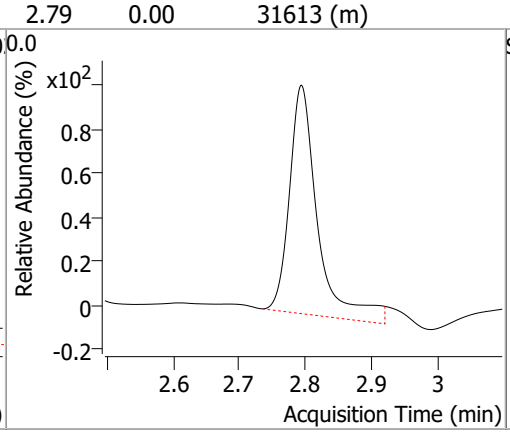
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

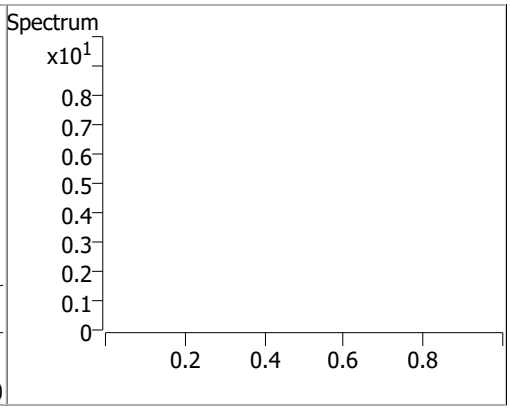




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0957	2.79	0.00	31613 (m)				

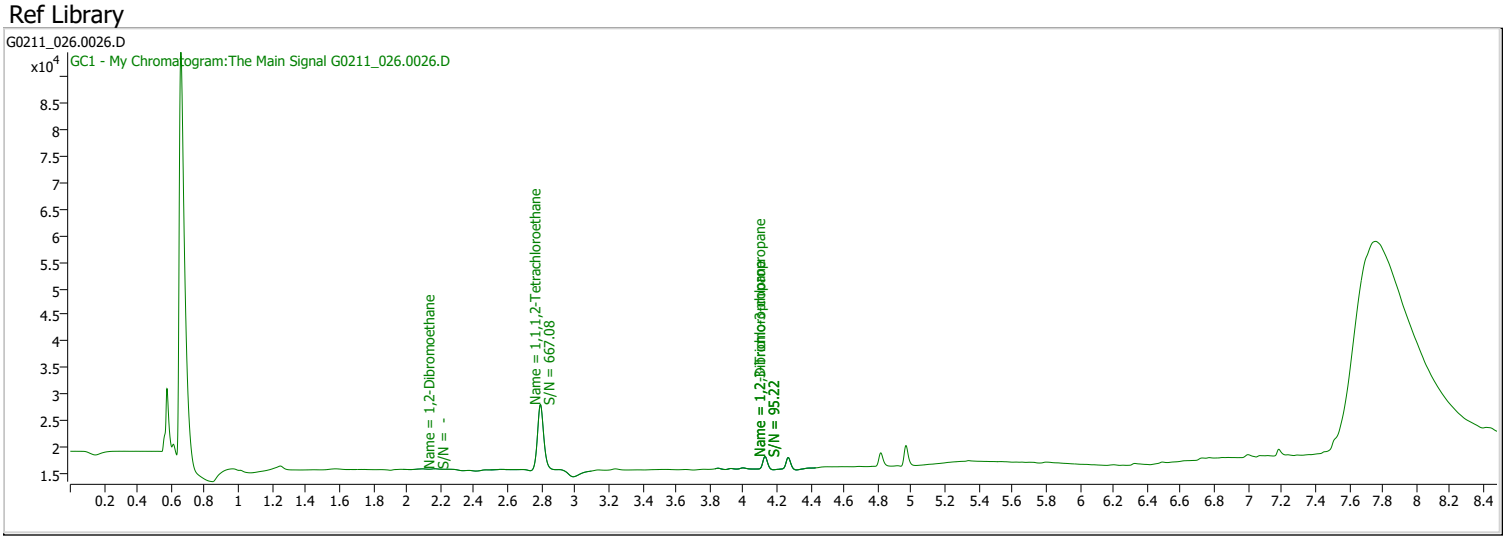






Quantitation Results Report (QT Reviewed)

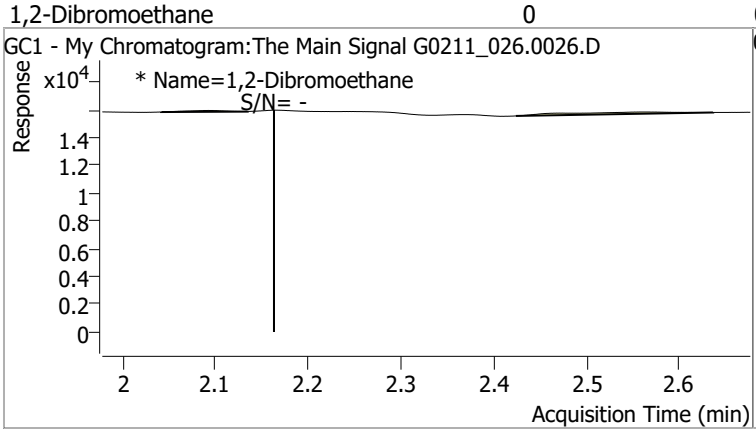
Data File	G0211_026.0026.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 5:53:17 PM
Sample Name	B22020415-014A	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

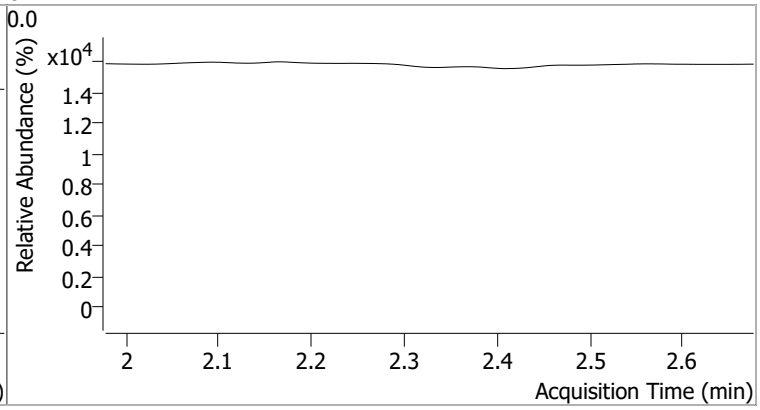


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.794	0.0	31354	0.0950	µg/L	m	-0.003
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 94.99%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.163	0.0	0		µg/L	md	1

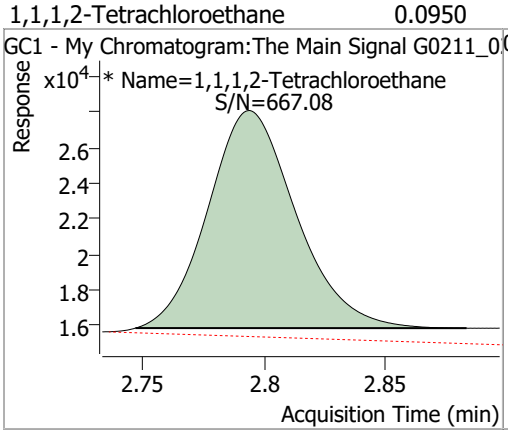
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

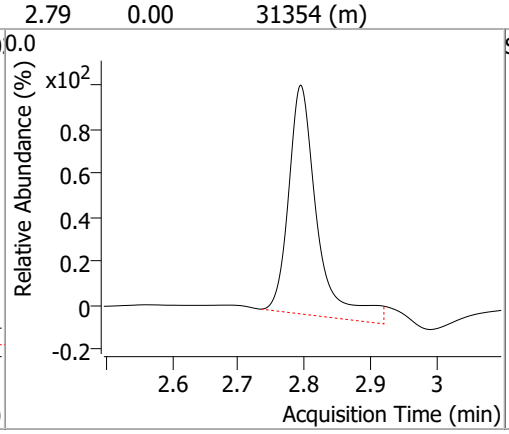
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

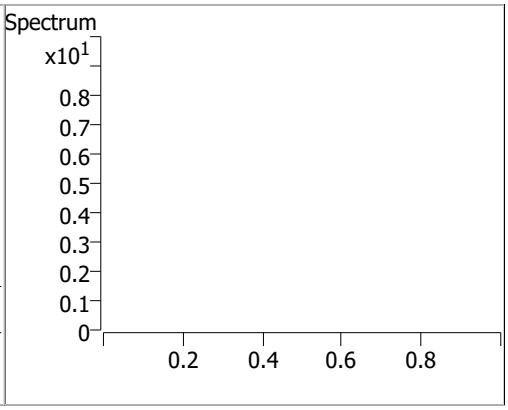




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0950	2.79	0.00	31354 (m)				

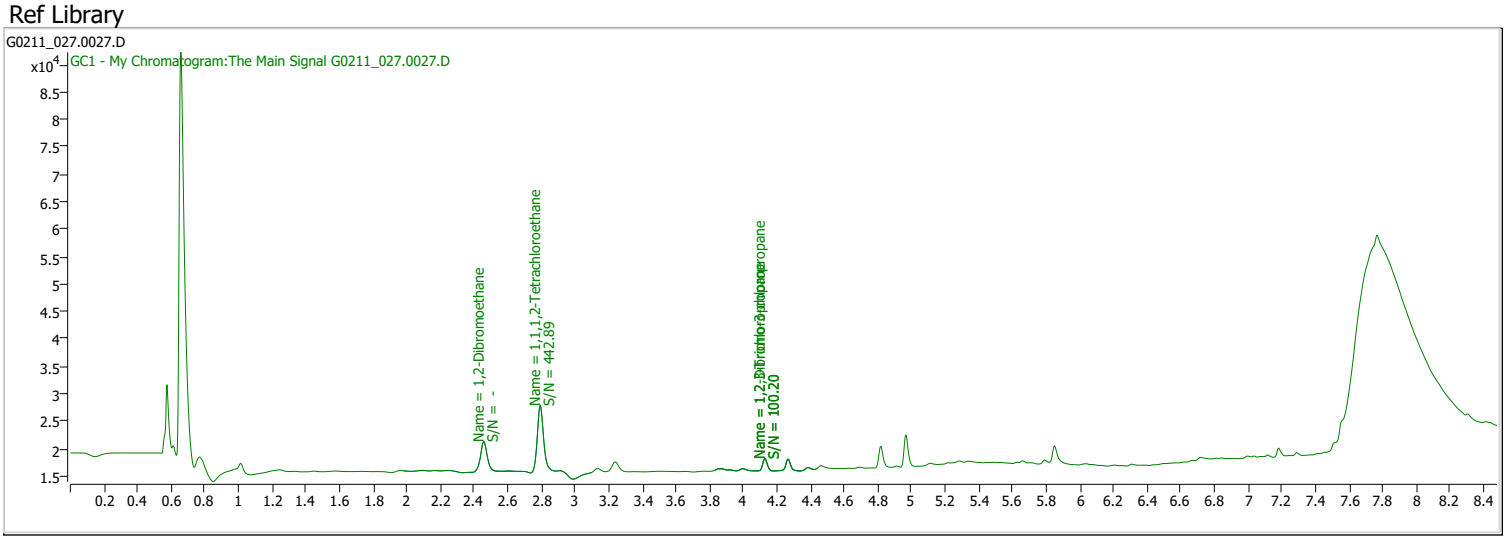






Quantitation Results Report (QT Reviewed)

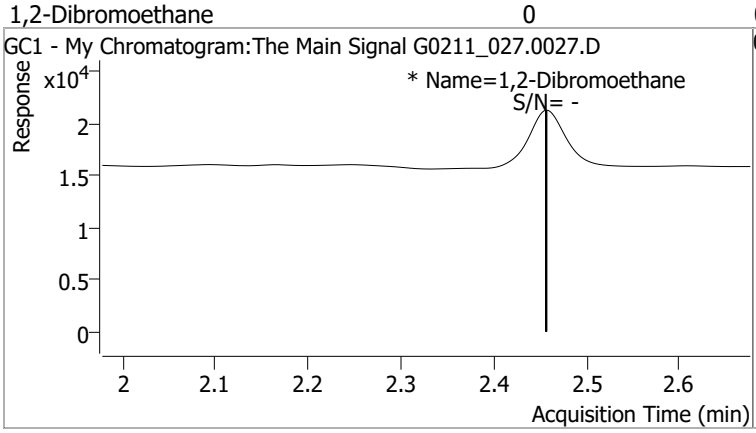
Data File	G0211_027.0027.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 6:13:11 PM
Sample Name	B22020415-017H	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

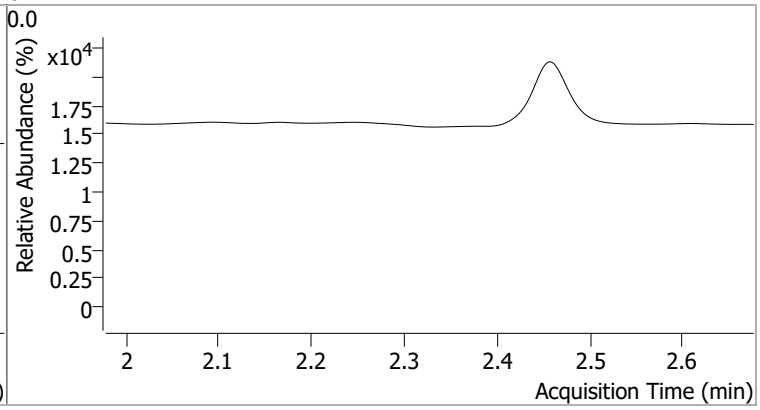


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.793	0.0	30296	0.0921	µg/L	m	-0.004
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 92.10%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.457	0.0	0		µg/L	md	1

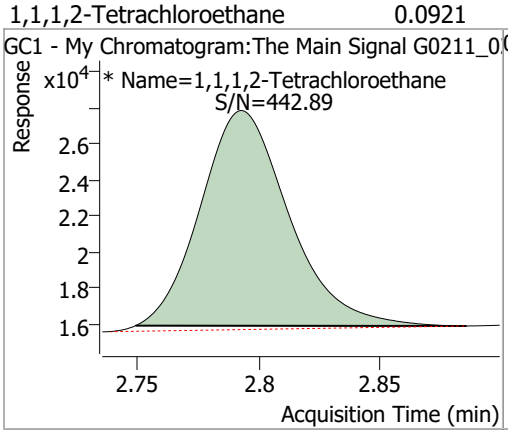
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

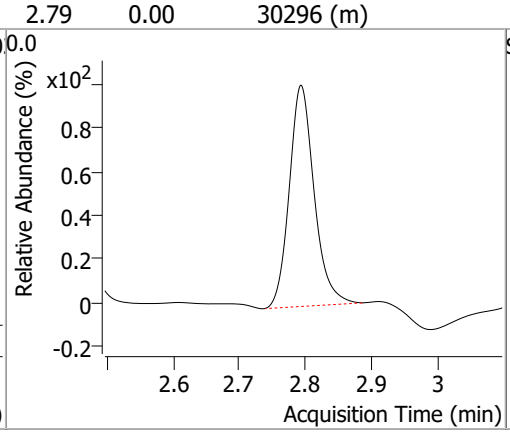
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

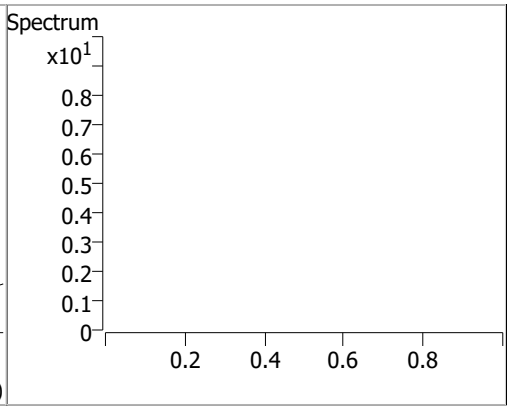




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0921	2.79	0.00	30296 (m)				

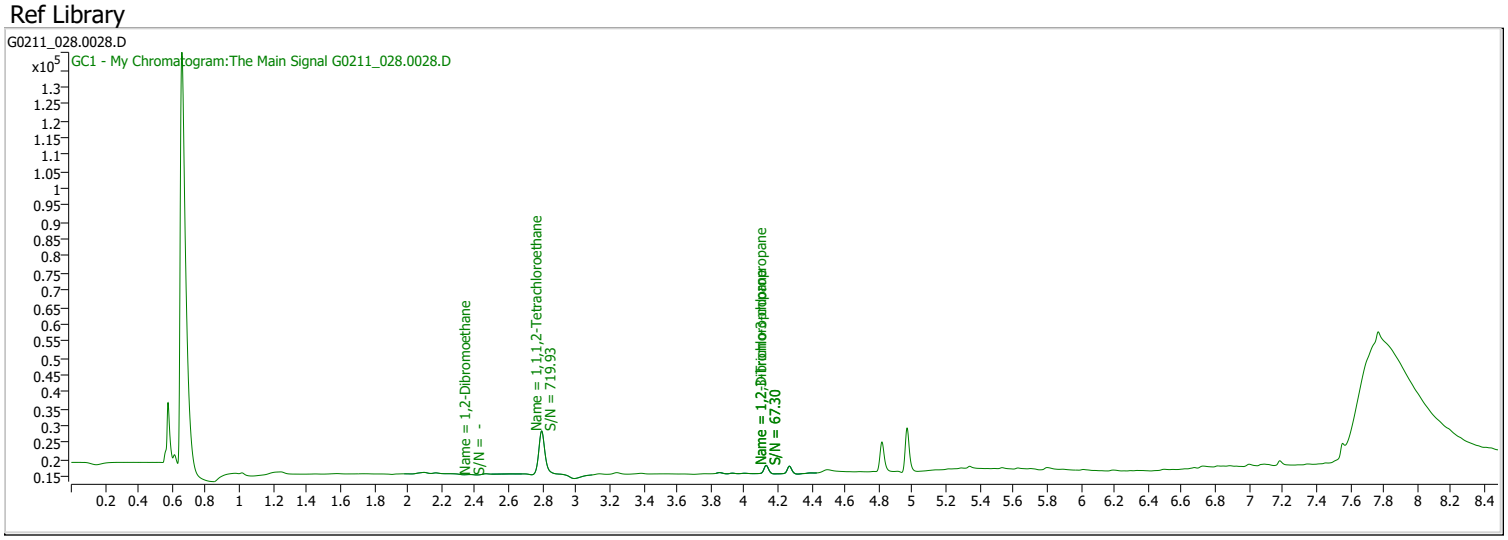






Quantitation Results Report (QT Reviewed)

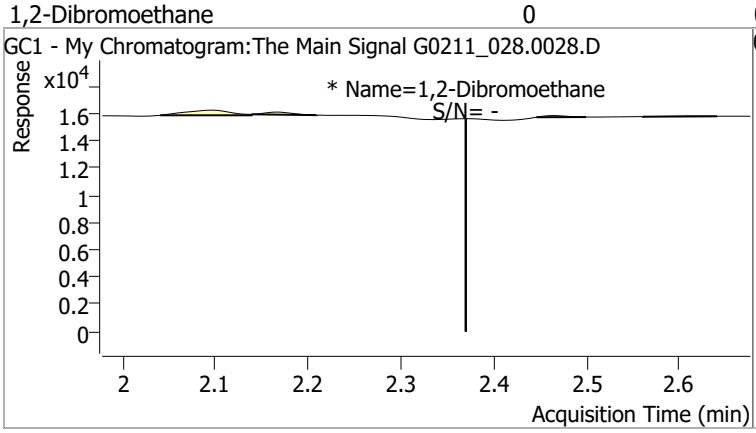
Data File	G0211_028.0028.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 6:32:59 PM
Sample Name	B22020415-020A	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

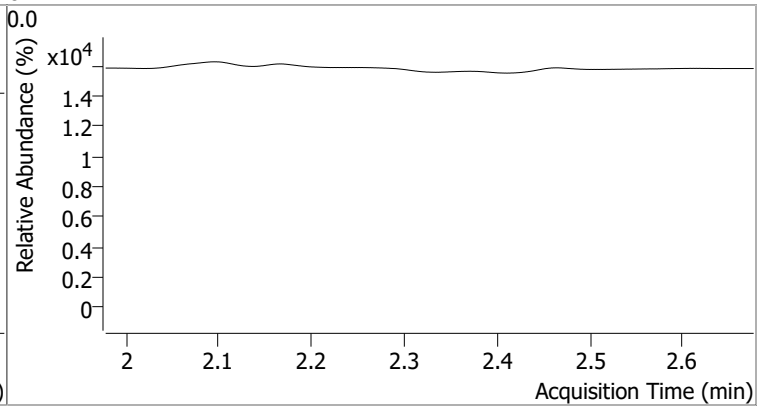


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.795	0.0	32053	0.0969	µg/L	m	-0.002
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 96.91%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.370	0.0	0		µg/L	md	1

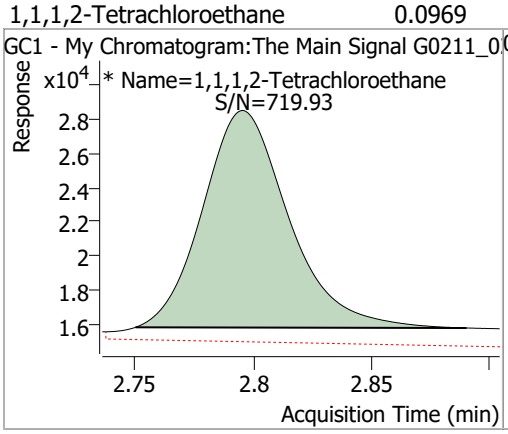
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

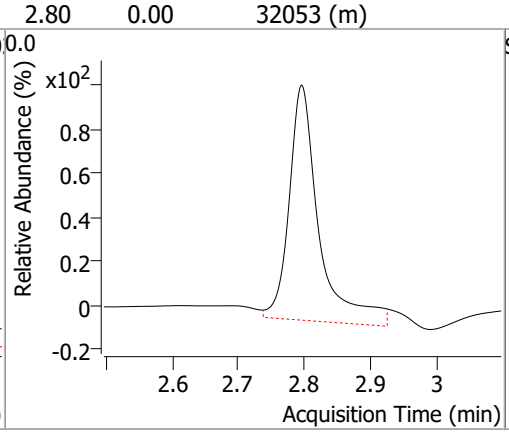
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

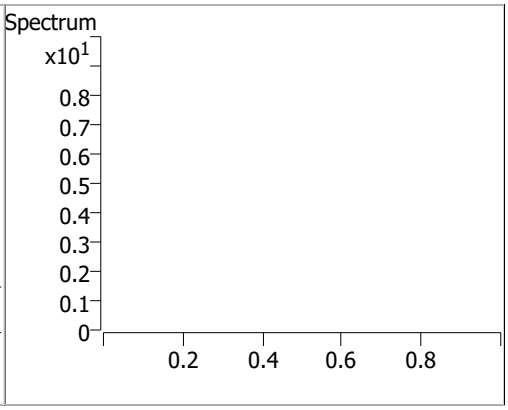




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0969	2.80	0.00	32053 (m)				

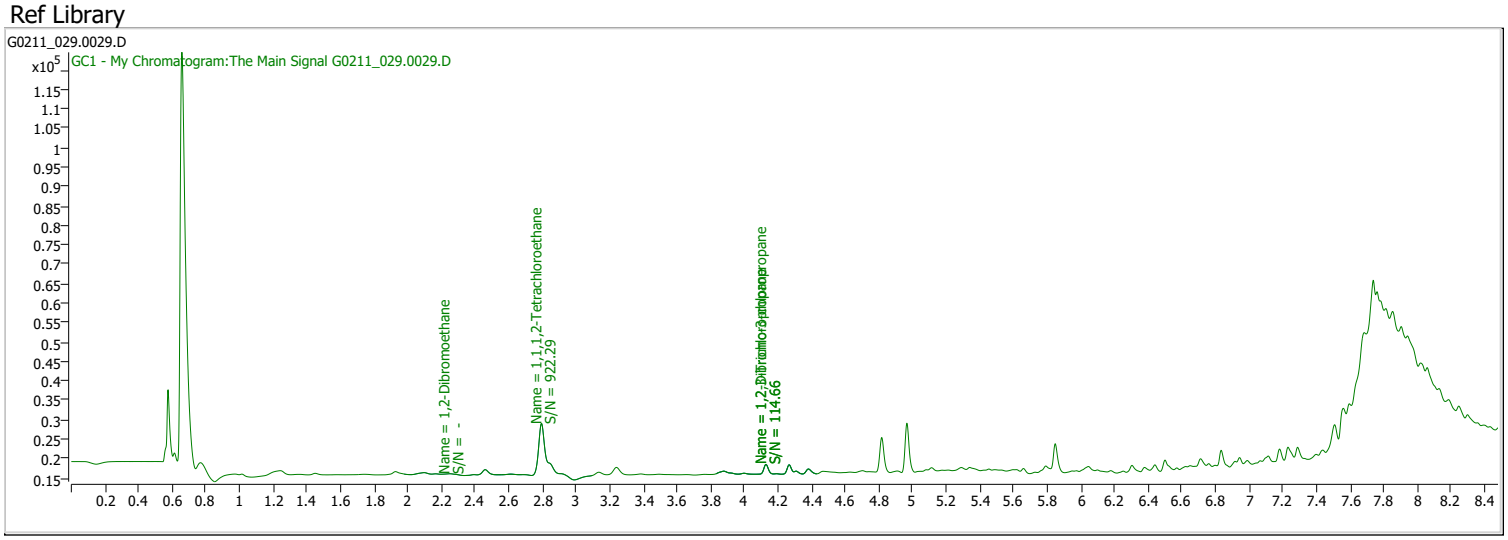






Quantitation Results Report (QT Reviewed)

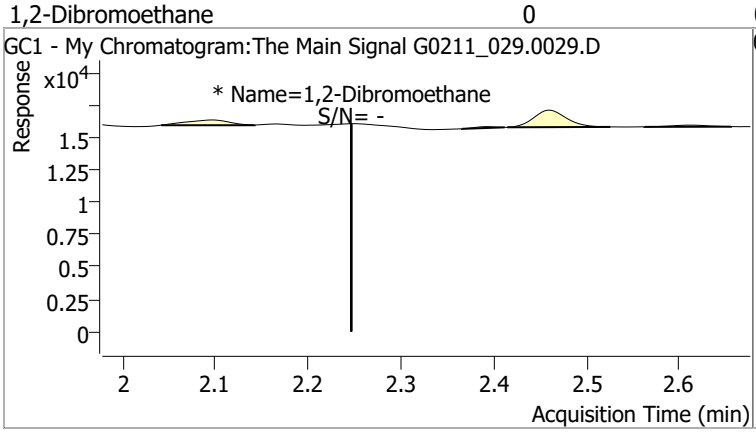
Data File	G0211_029.0029.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 6:52:45 PM
Sample Name	B22020415-001H	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

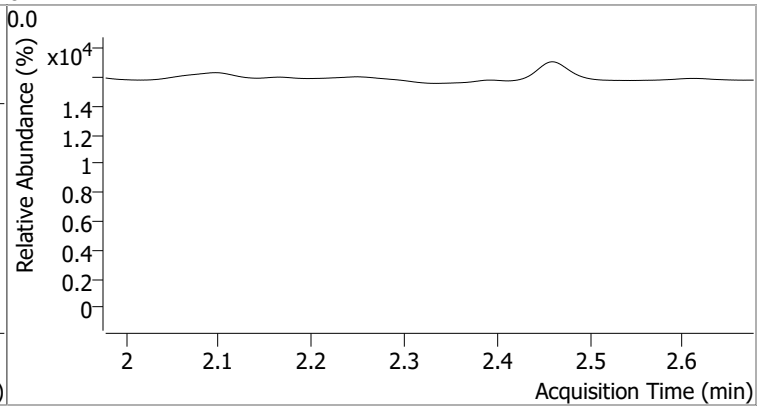


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.794	0.0	31383	0.0951	µg/L	m	-0.003
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 95.07%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.247	0.0	0		µg/L	md	1

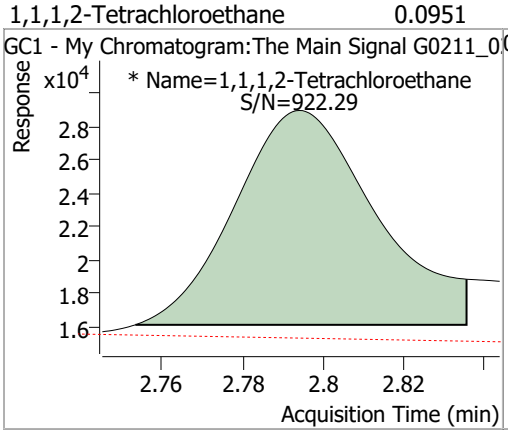
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

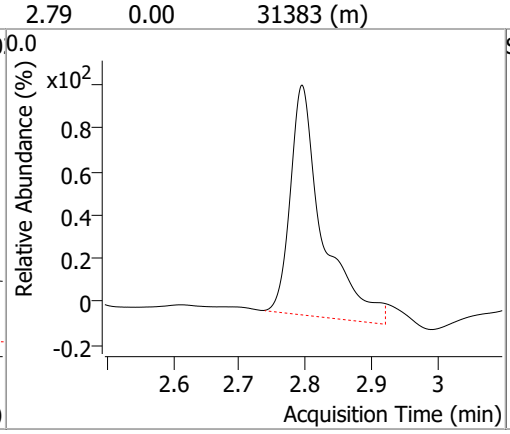
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

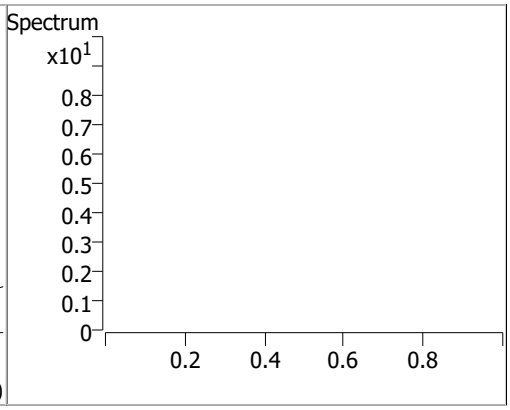




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0951	2.79	0.00	31383 (m)				

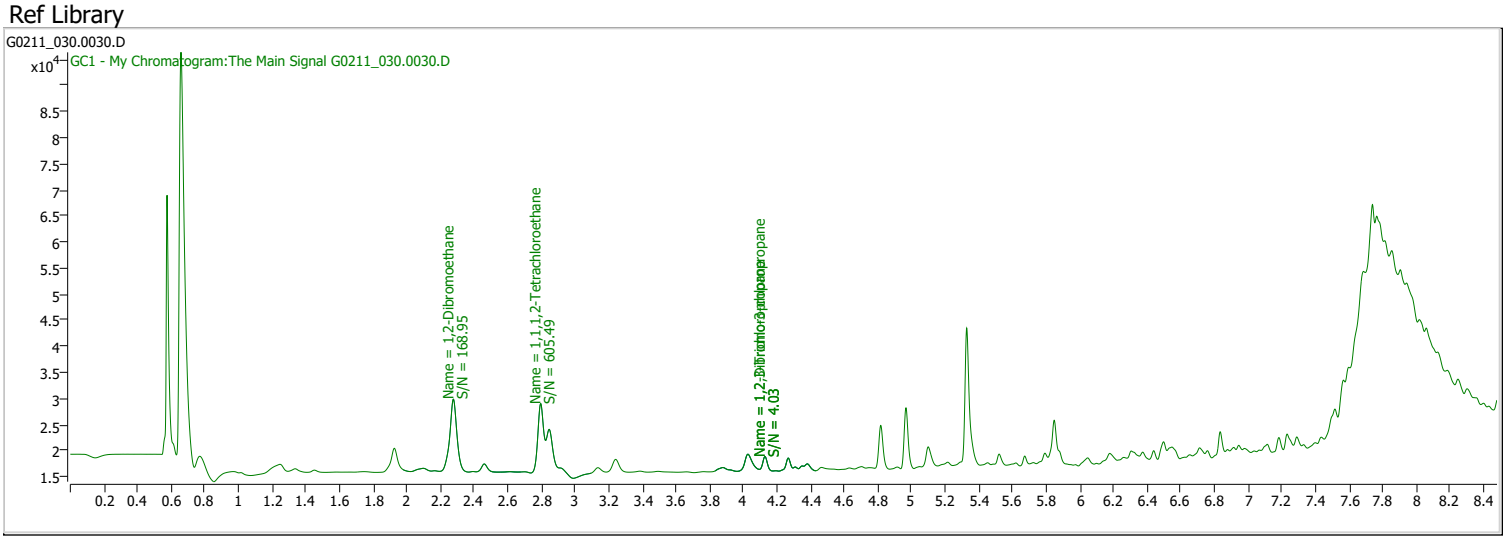






Quantitation Results Report (QT Reviewed)

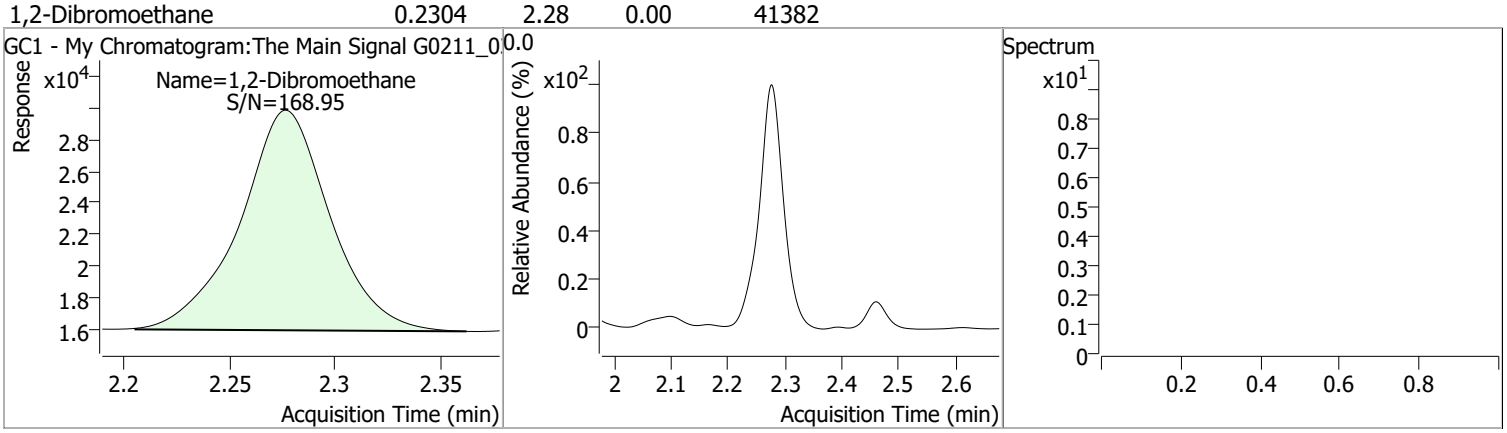
Data File	G0211_030.0030.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 7:12:32 PM
Sample Name	B22020415-001HMS	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



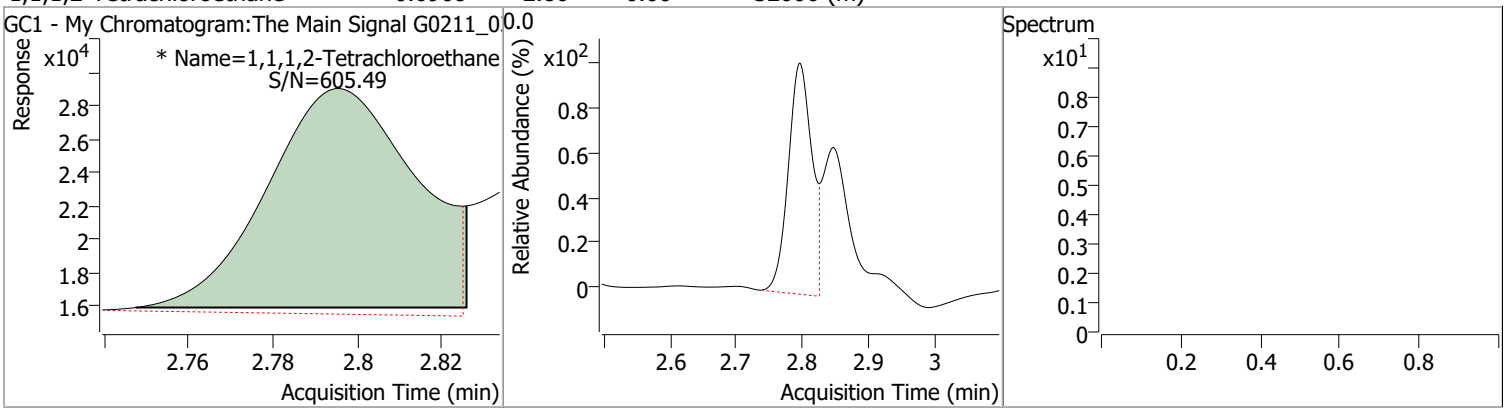
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.795	0.0	32006	0.0968	µg/L	m	-0.002
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 96.78%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.277	0.0	41382	0.2304	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.2304	2.28	0.00	41382				

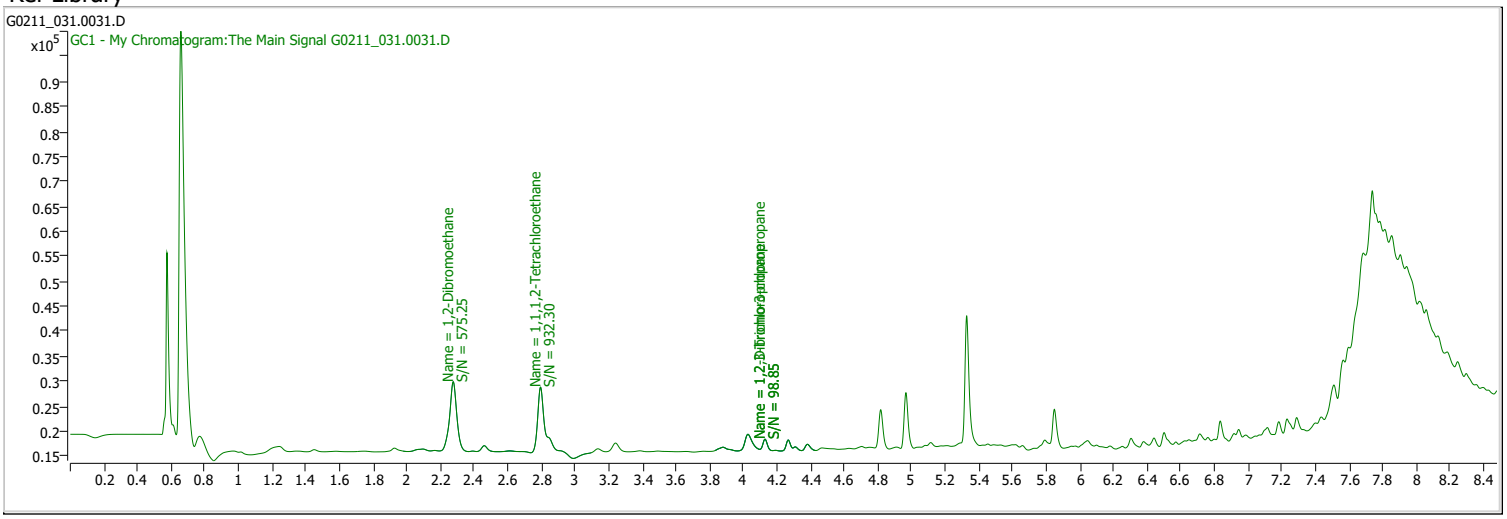


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0968	2.80	0.00	32006 (m)				



Quantitation Results Report (QT Reviewed)

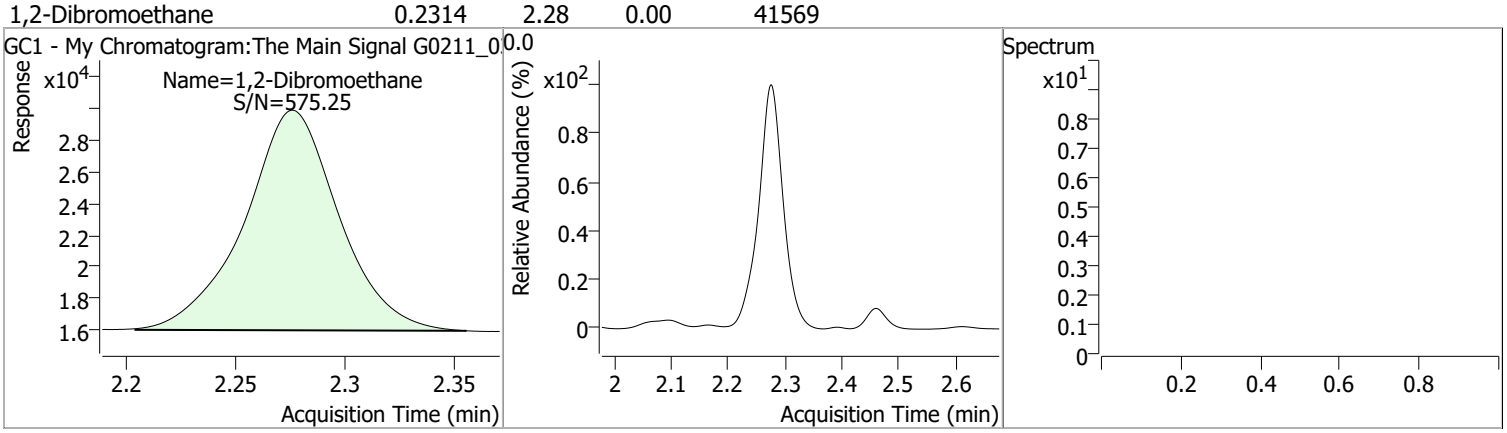
Data File	G0211_031.0031.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 7:32:21 PM
Sample Name	B22020415-001HMSD	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



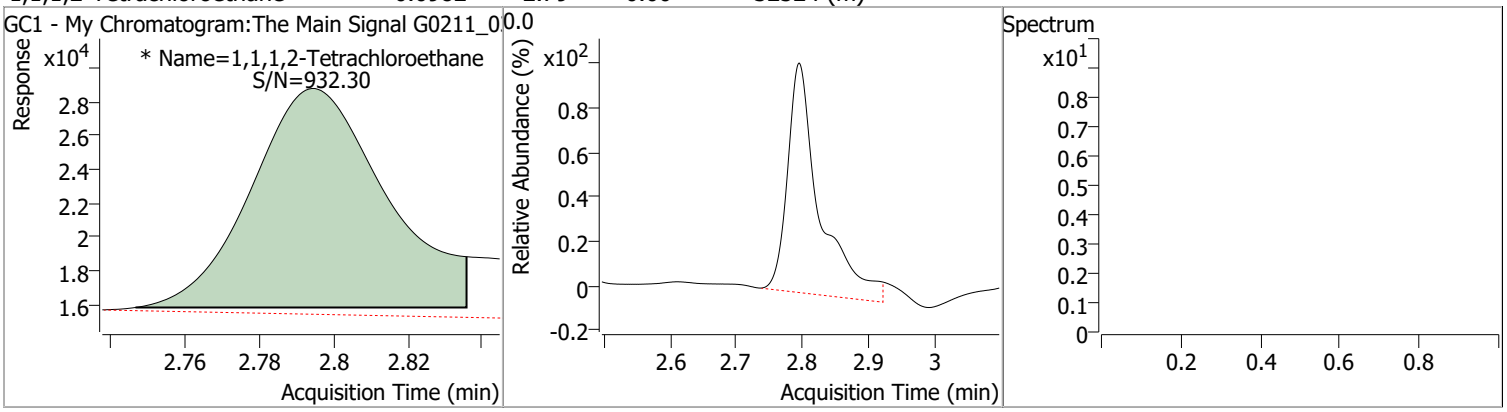
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.794	0.0	32524	0.0982	µg/L	m	-0.003
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 98.19%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.276	0.0	41569	0.2314	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.2314	2.28	0.00	41569				

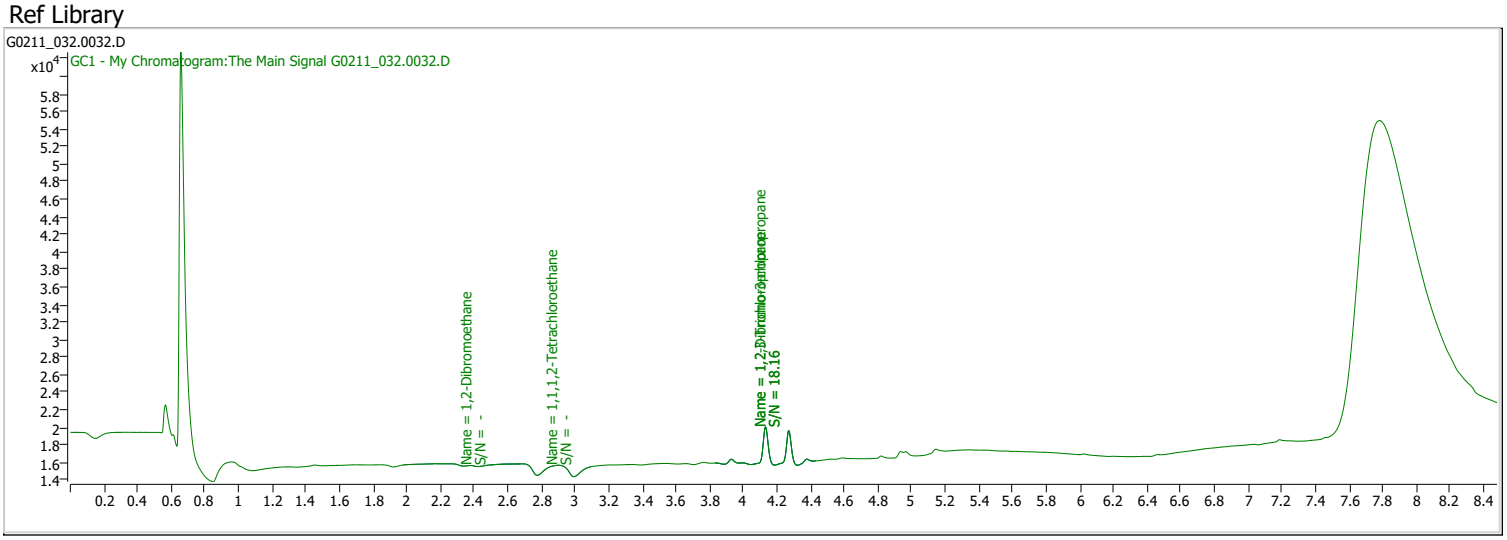


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0982	2.79	0.00	32524 (m)				



Quantitation Results Report (QT Reviewed)

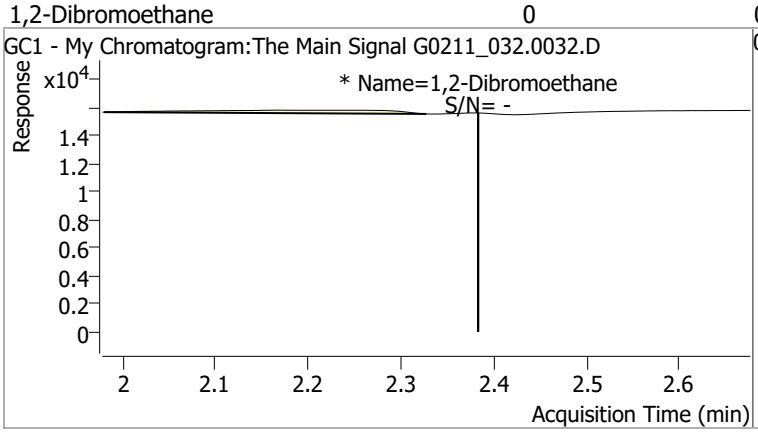
Data File	G0211_032.0032.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 7:52:09 PM
Sample Name	Hexan	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

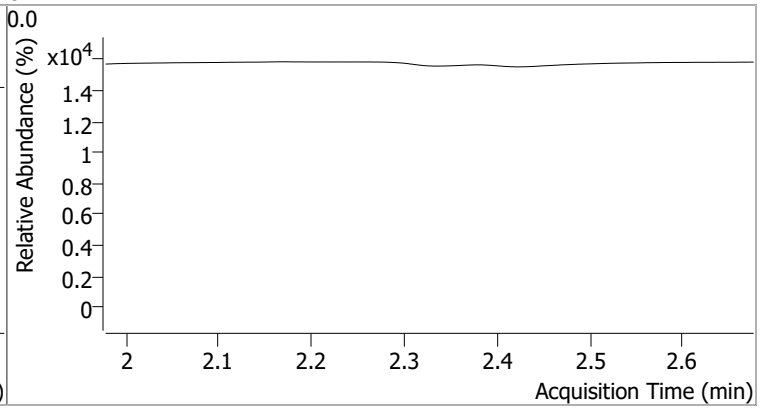


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.894	0.0	0		µg/L	md	0.097
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = NA%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.383	0.0	0		µg/L	md	1

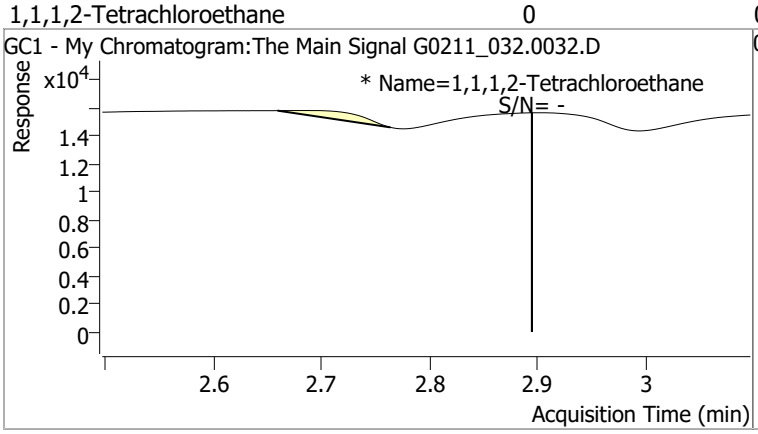
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

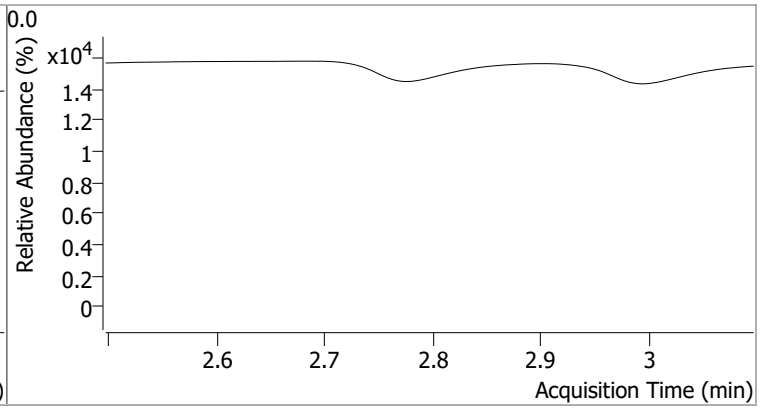
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				





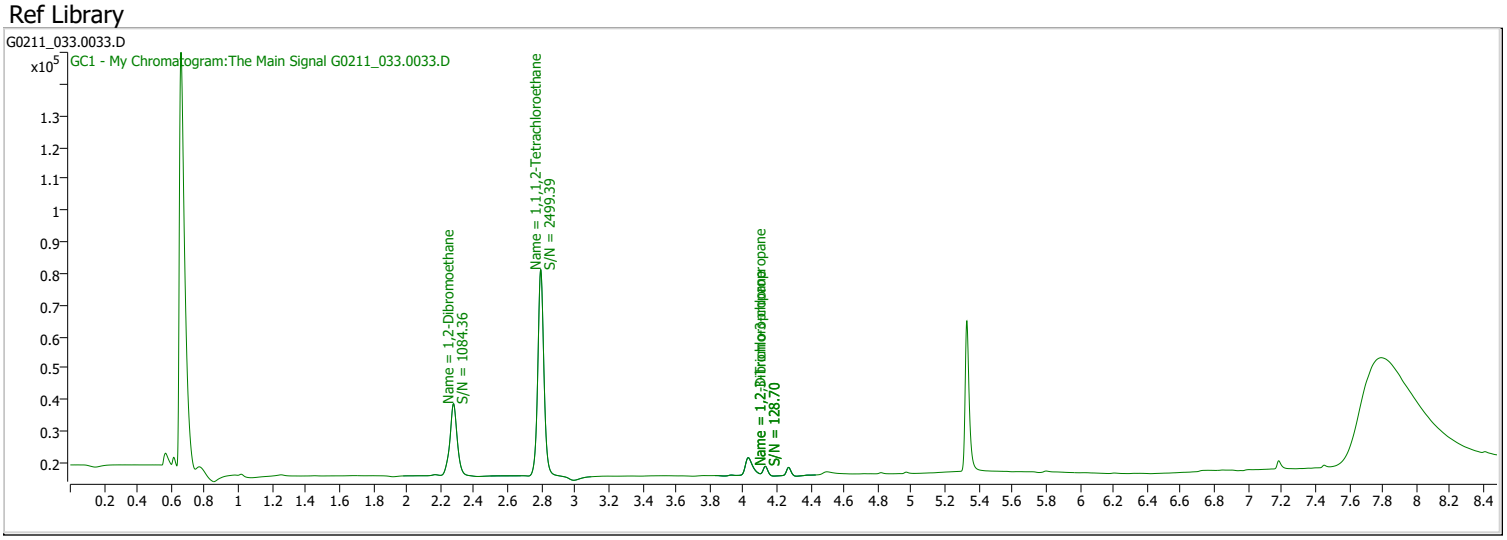
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane		0		0				





Quantitation Results Report (QT Reviewed)

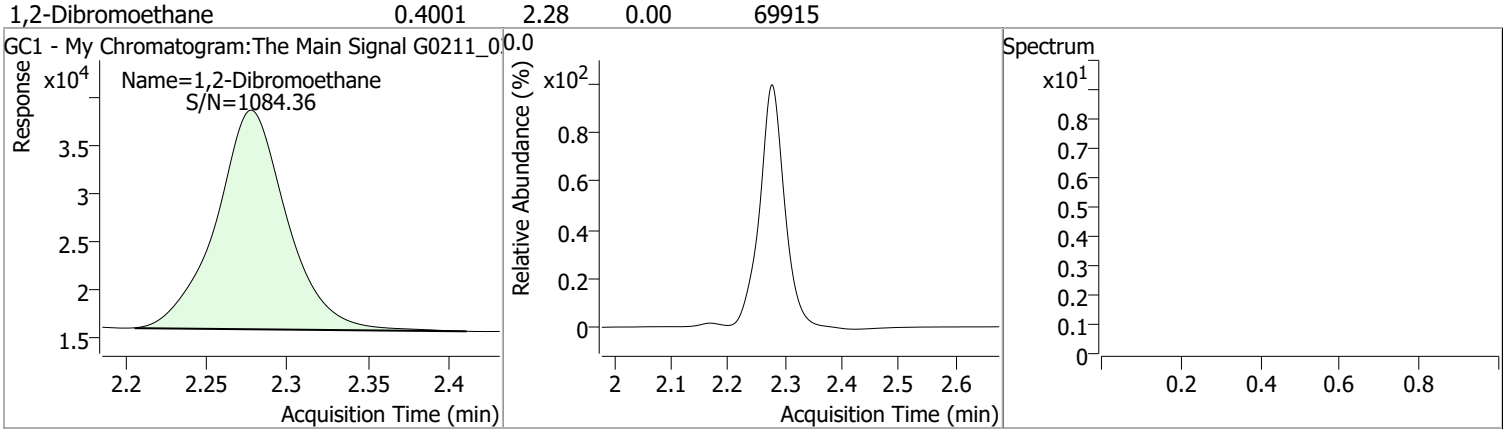
Data File	G0211_033.0033.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 8:12:02 PM
Sample Name	CAL5-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



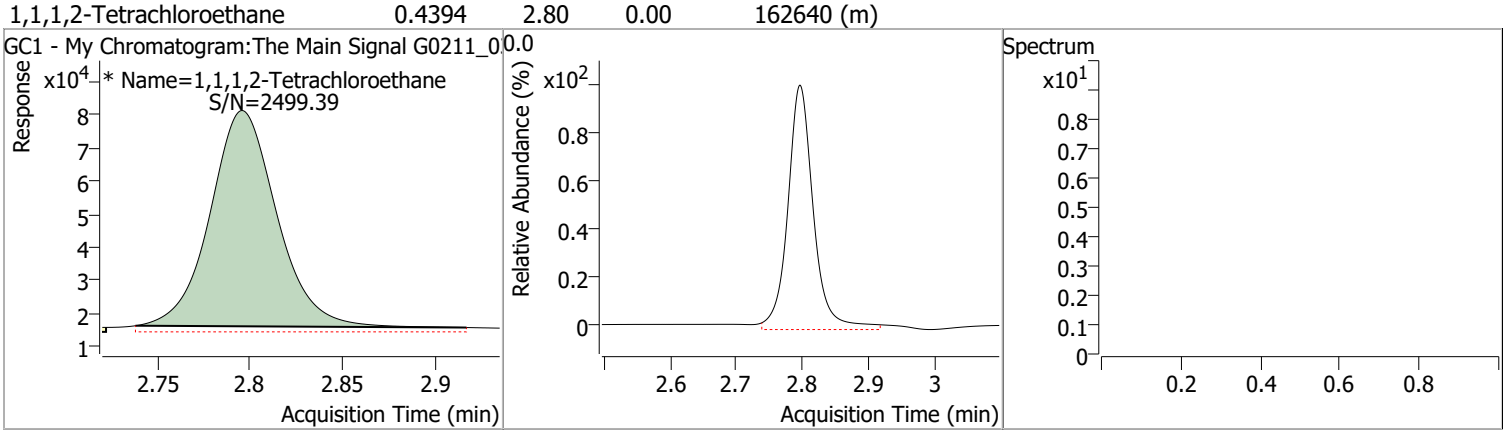
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.796	0.0	162640	0.4394	µg/L	m	-0.001
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 439.39%		*	
Target Compounds							QValue
M 1,2-Dibromoethane	2.278	0.0	69915	0.4001	µg/L		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.4001	2.28	0.00	69915				

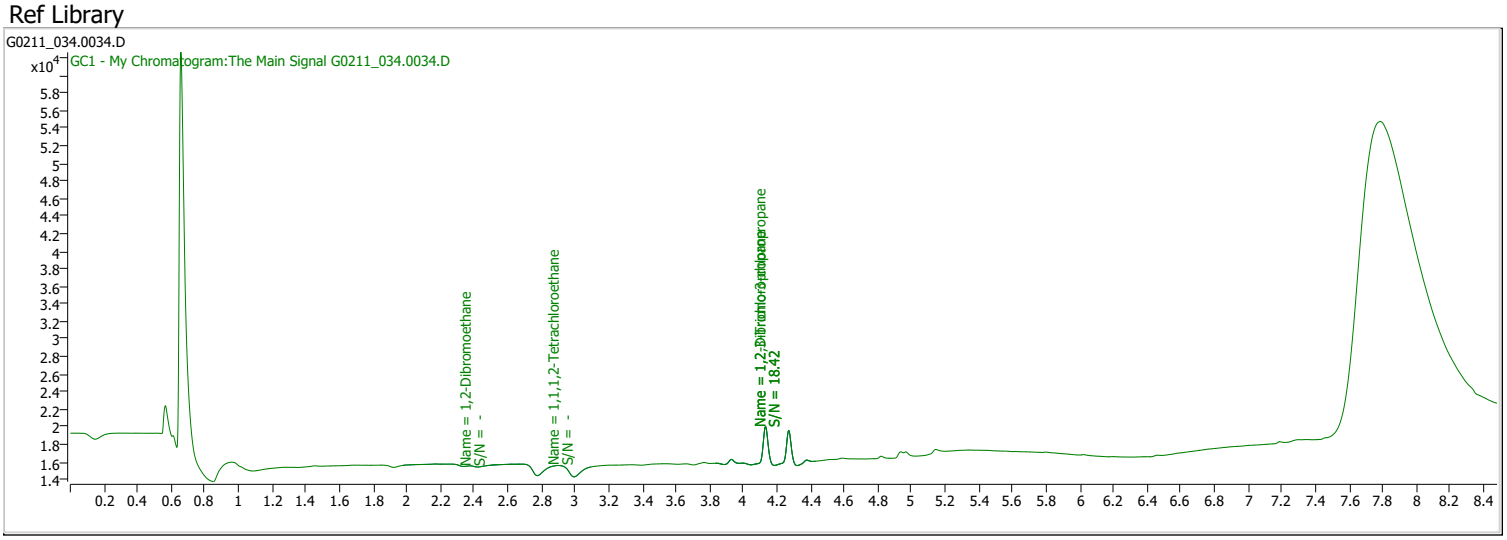


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.4394	2.80	0.00	162640 (m)				



Quantitation Results Report (QT Reviewed)

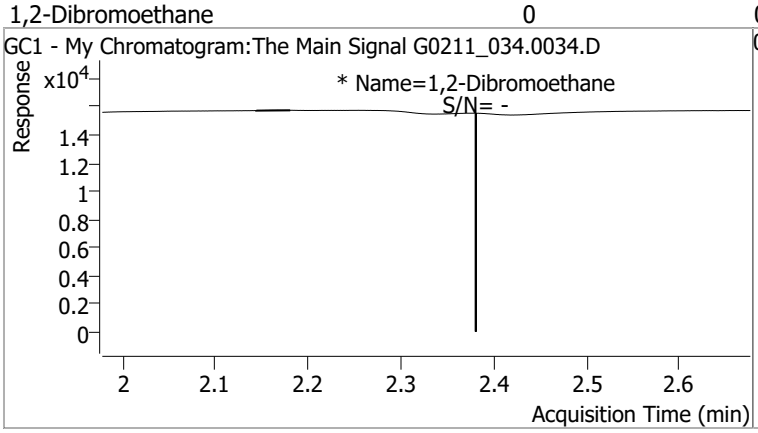
Data File	G0211_034.0034.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 8:31:51 PM
Sample Name	Hexan	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

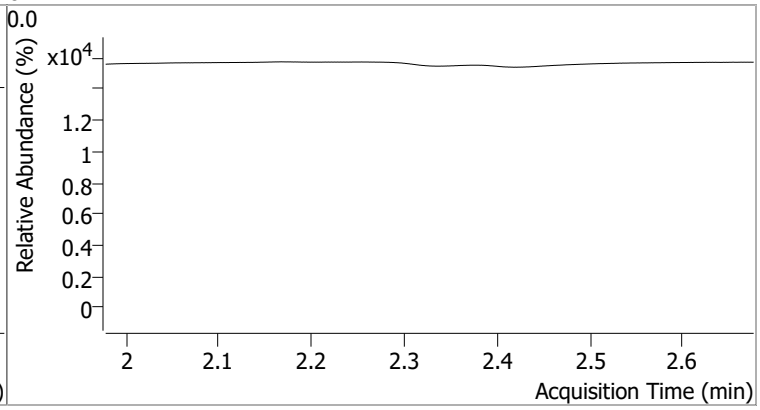


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.903	0.0	0		µg/L	md	0.106
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = NA%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.381	0.0	0		µg/L	md	1

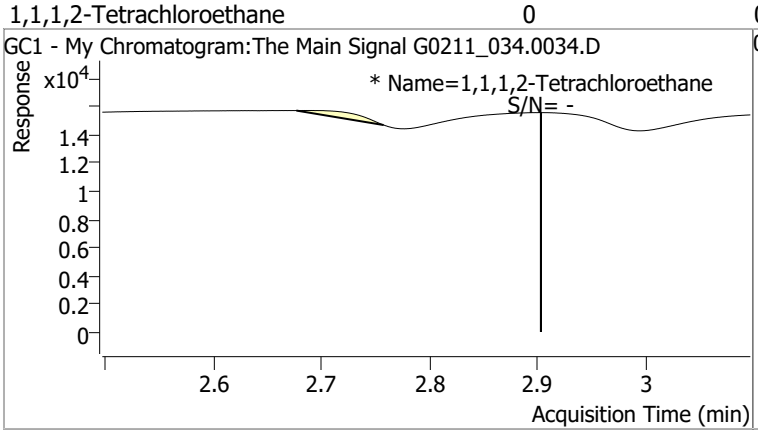
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

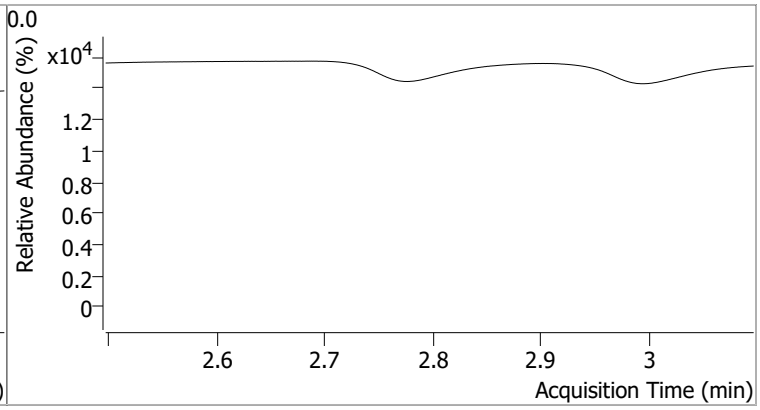
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				





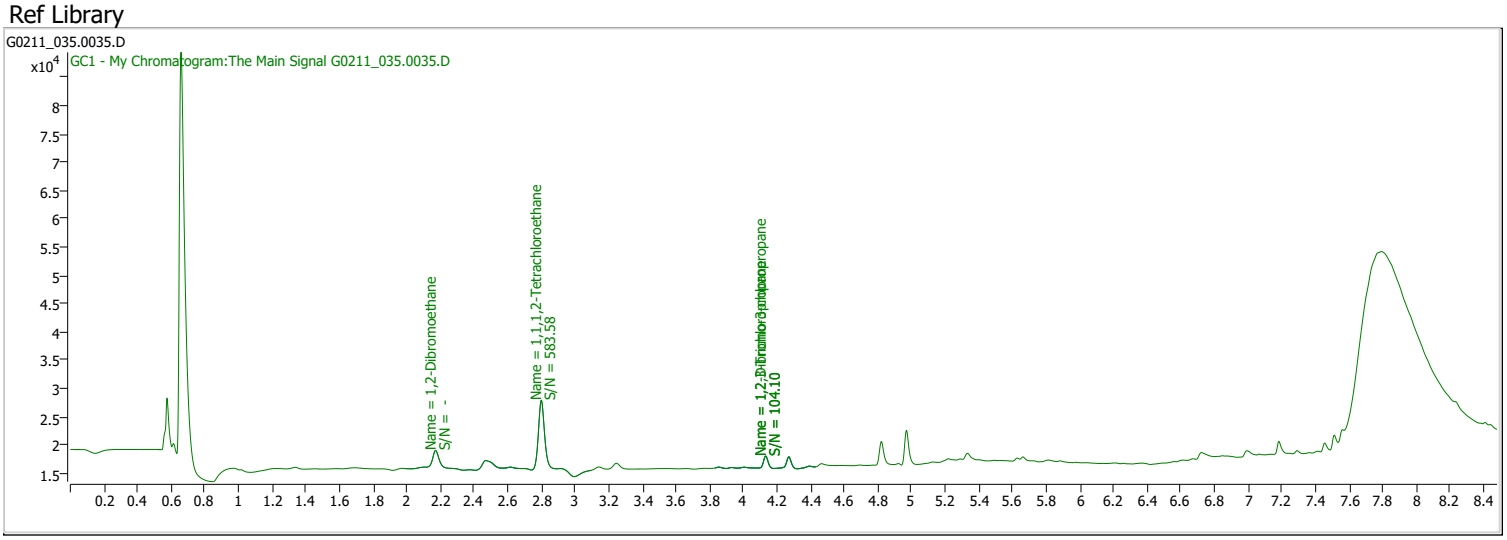
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane		0		0				





Quantitation Results Report (QT Reviewed)

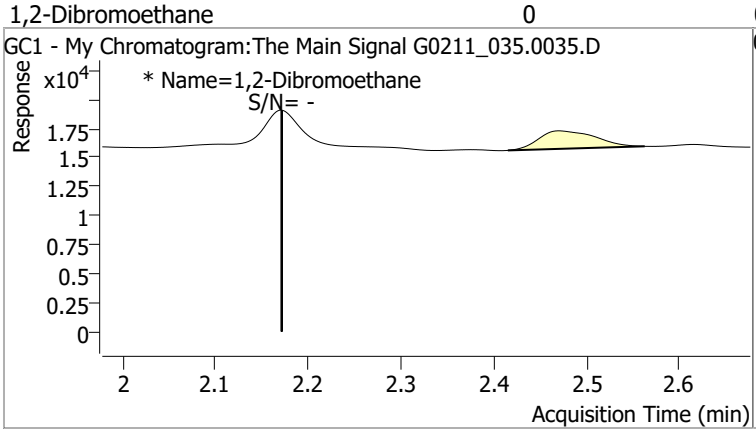
Data File	G0211_035.0035.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 8:51:34 PM
Sample Name	B22020415-022H	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

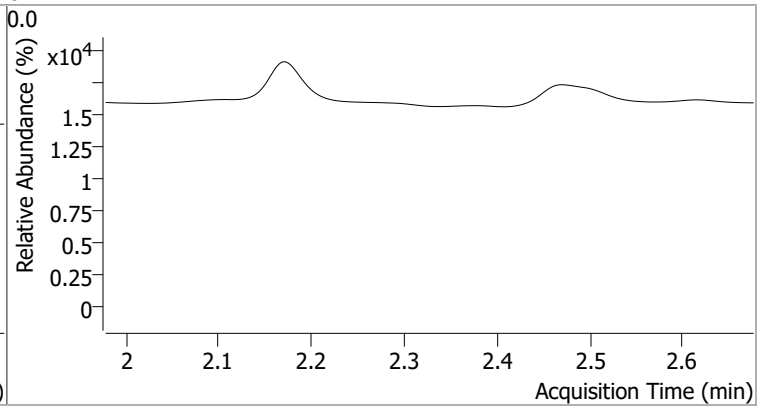


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.799	0.0	30434	0.0925	µg/L	m	0.002
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 92.48%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.172	0.0	0		µg/L	md	1

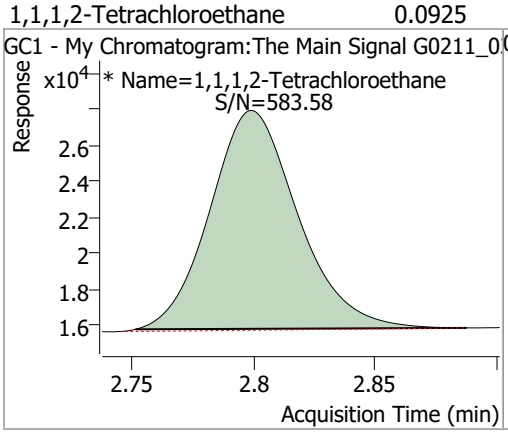
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

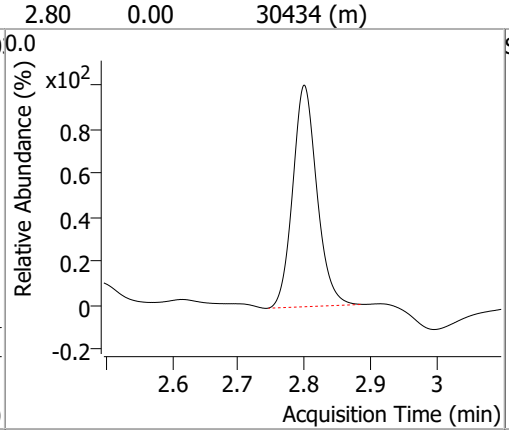
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

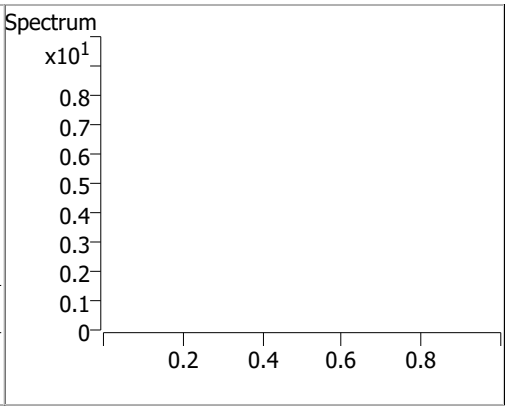




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0925	2.80	0.00	30434 (m)				

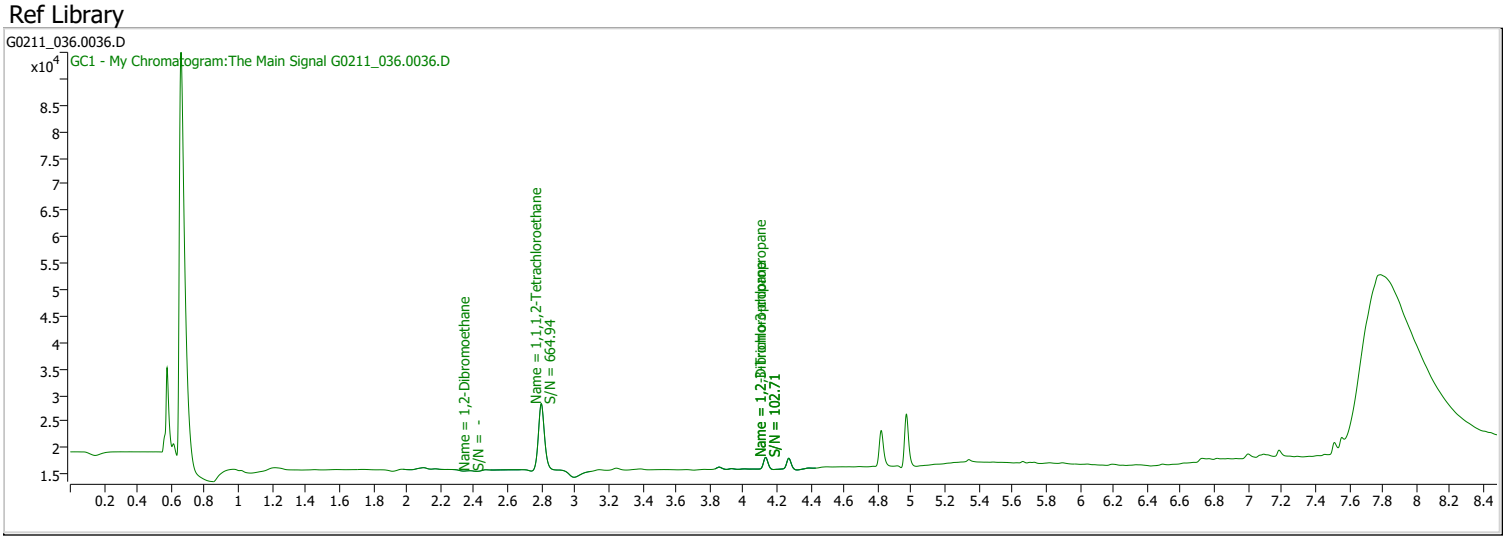






Quantitation Results Report (QT Reviewed)

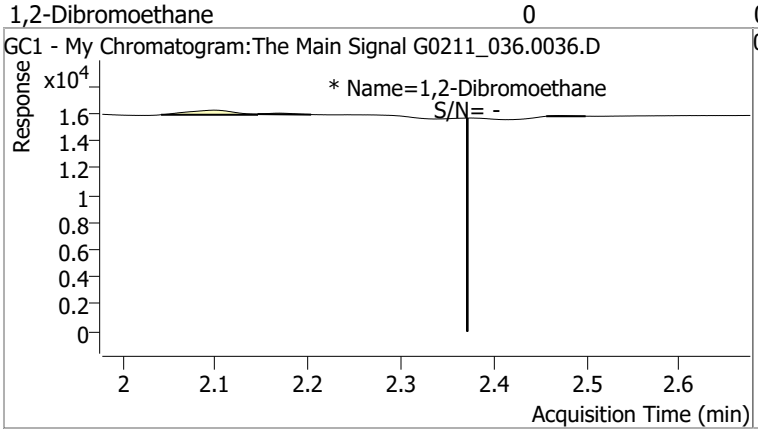
Data File	G0211_036.0036.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 9:11:22 PM
Sample Name	B22020415-025A	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

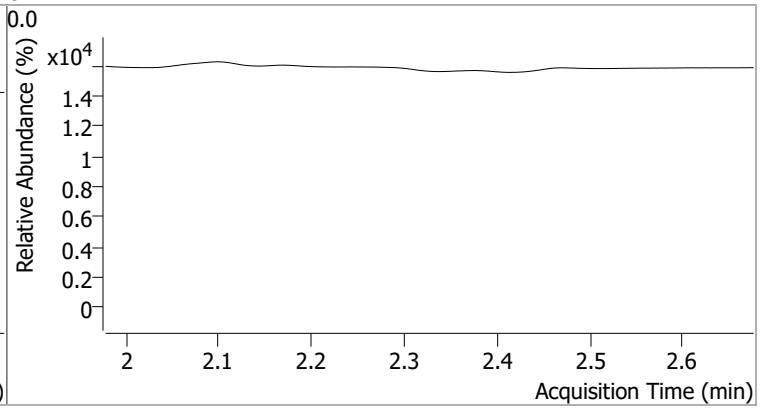


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.799	0.0	31513	0.0954	µg/L	m	0.002
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 95.43%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.372	0.0	0		µg/L	md	1

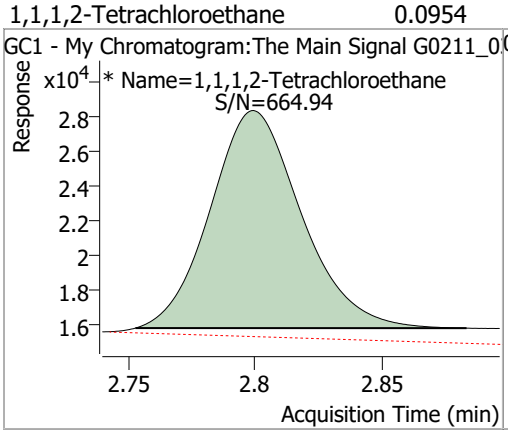
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

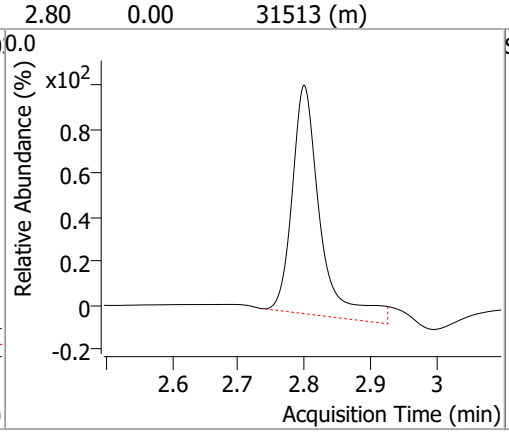
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

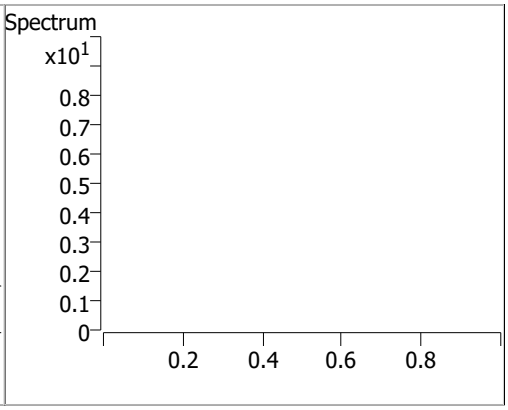




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0954	2.80	0.00	31513 (m)				

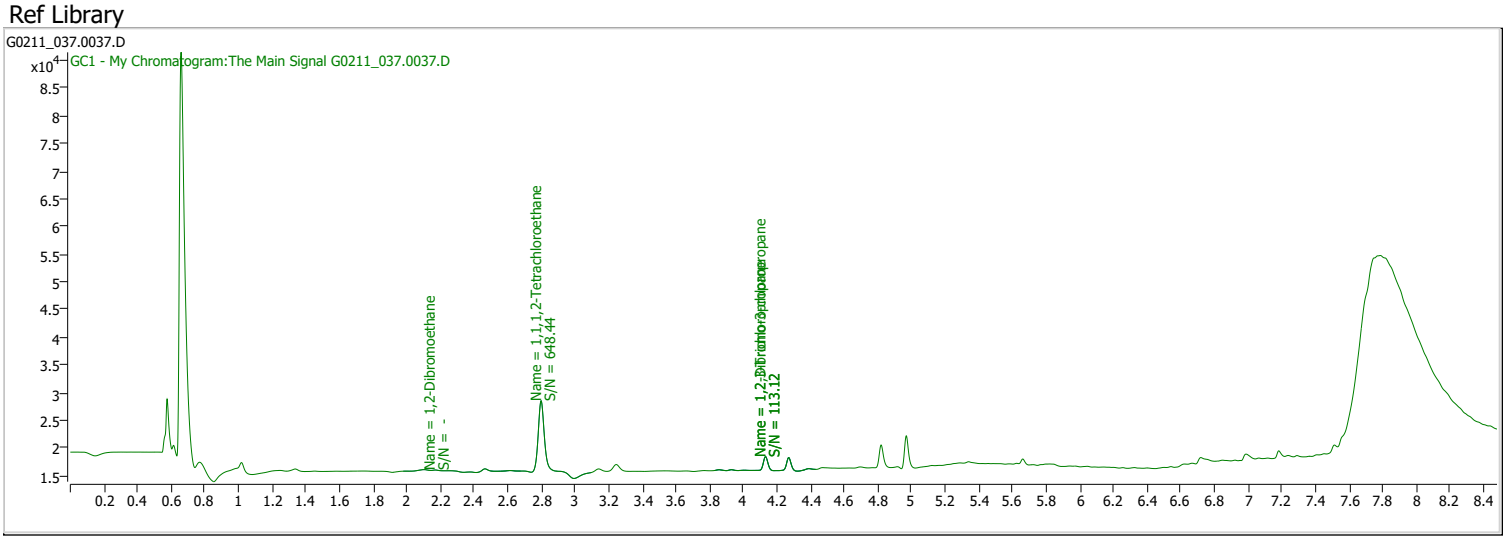






Quantitation Results Report (QT Reviewed)

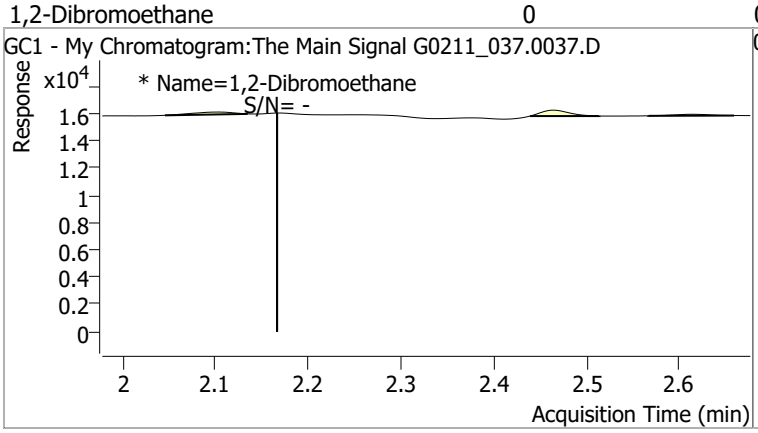
Data File	G0211_037.0037.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 9:31:08 PM
Sample Name	B22020415-027H	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

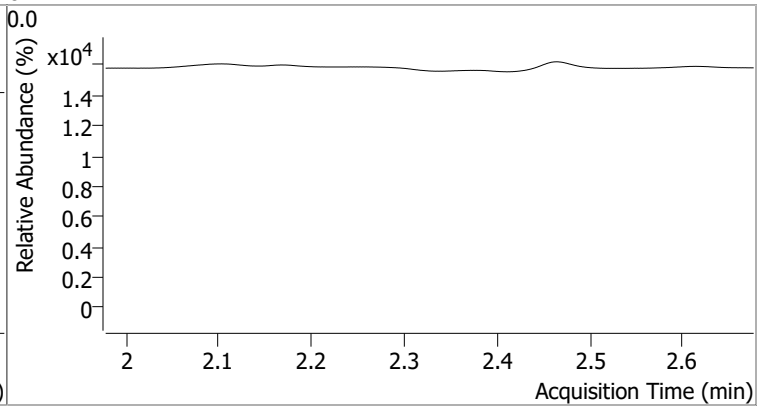


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.798	0.0	32039	0.0969	µg/L	m	0.001
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 96.87%			
Target Compounds							**QValue**
M 1,2-Dibromoethane	2.167	0.0	0		µg/L	md	1

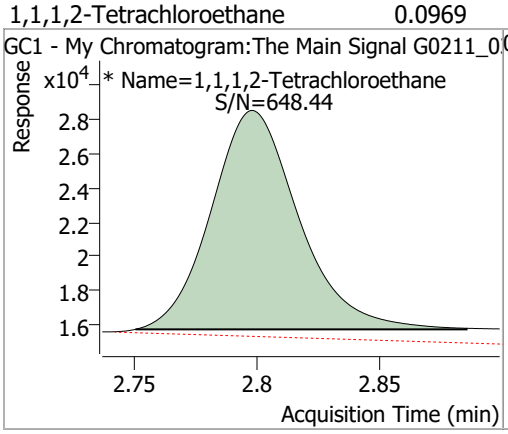
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

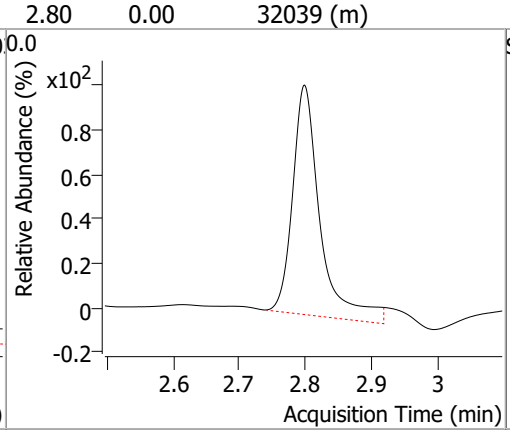
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

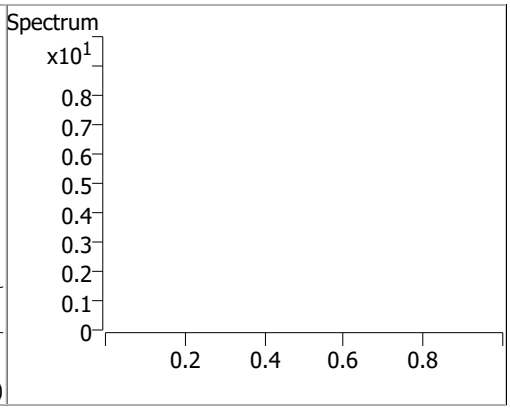




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0969	2.80	0.00	32039 (m)				

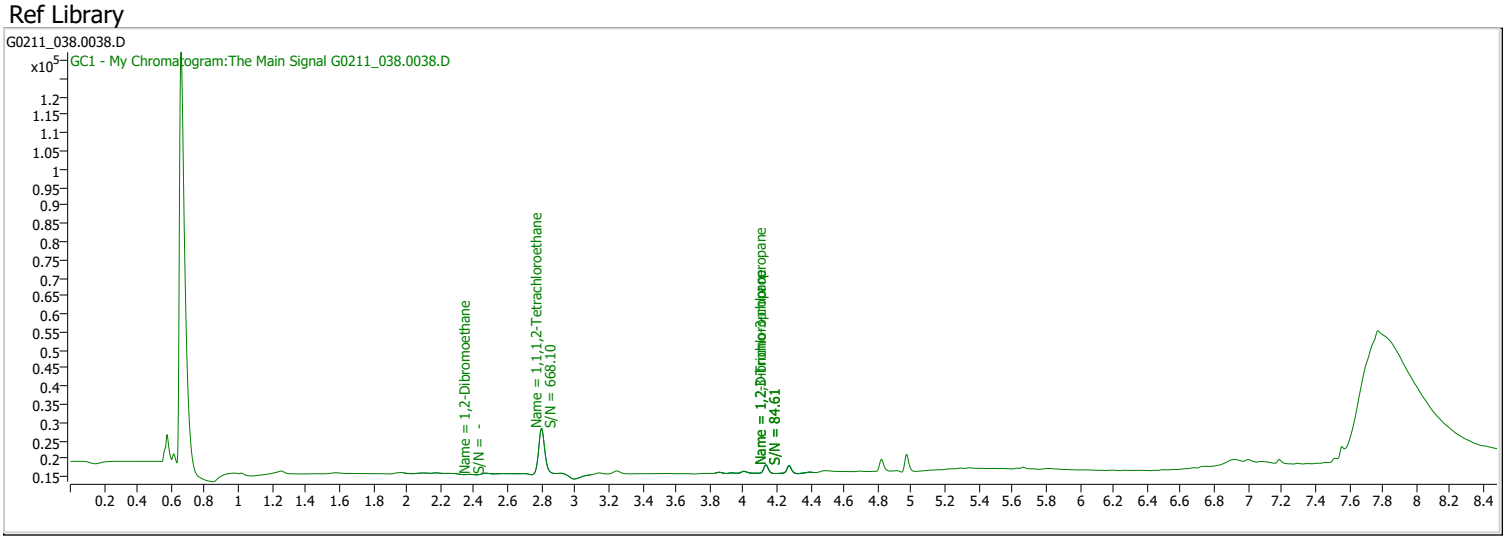






Quantitation Results Report (QT Reviewed)

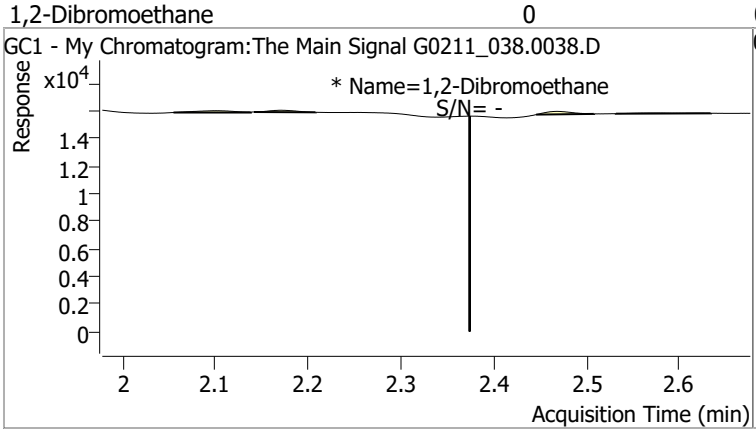
Data File	G0211_038.0038.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 9:50:41 PM
Sample Name	B22020415-030A	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

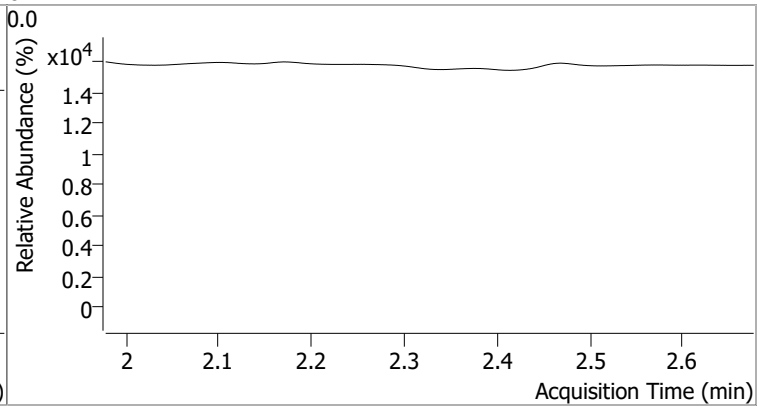


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.800	0.0	31306	0.0949	µg/L	m	0.003
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 94.86%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.374	0.0	0		µg/L	md	1

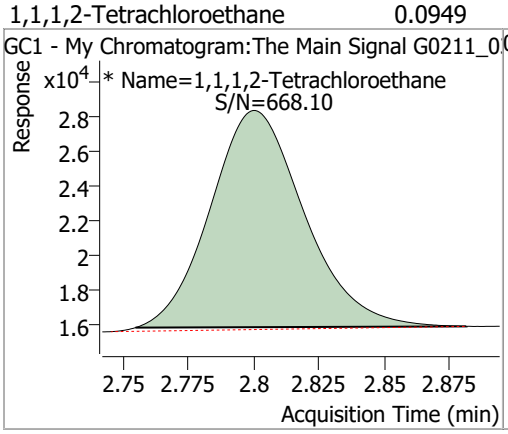
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

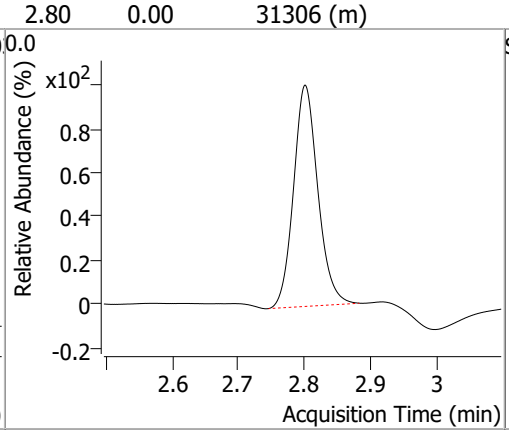
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

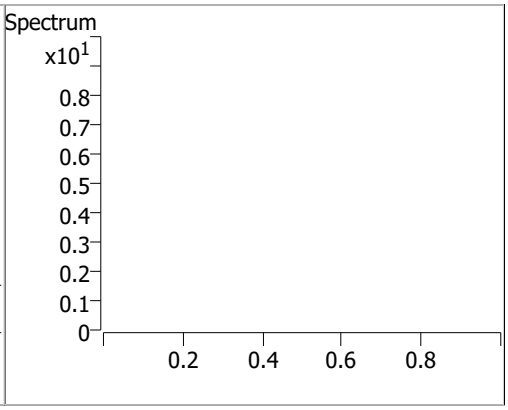




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0949	2.80	0.00	31306 (m)				

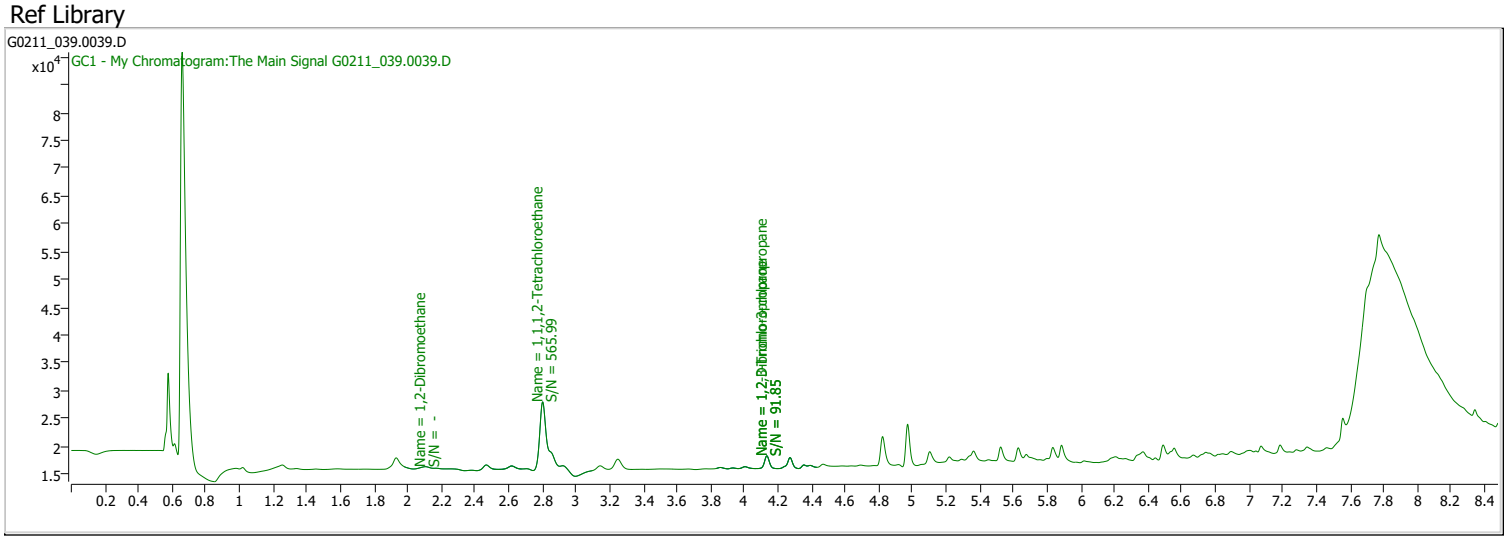






Quantitation Results Report (QT Reviewed)

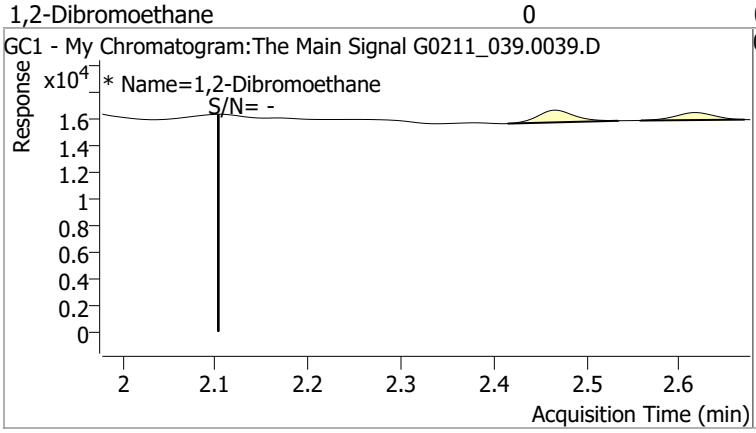
Data File	G0211_039.0039.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 10:10:35 PM
Sample Name	B22020415-032H	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

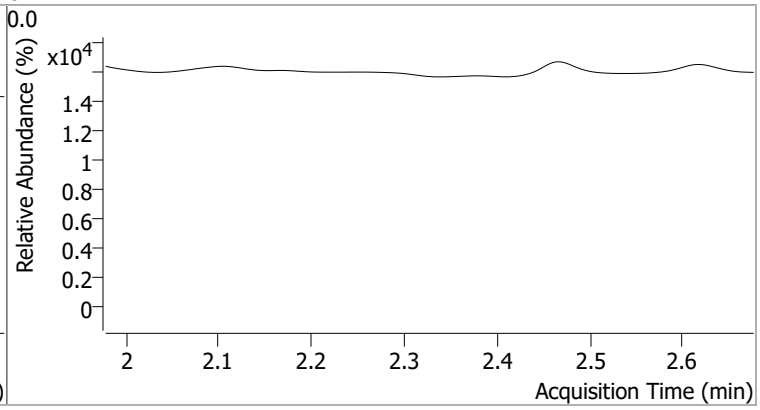


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.801	0.0	32877	0.0992	µg/L	m	0.004
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 99.16%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.103	0.0	0		µg/L	md	1

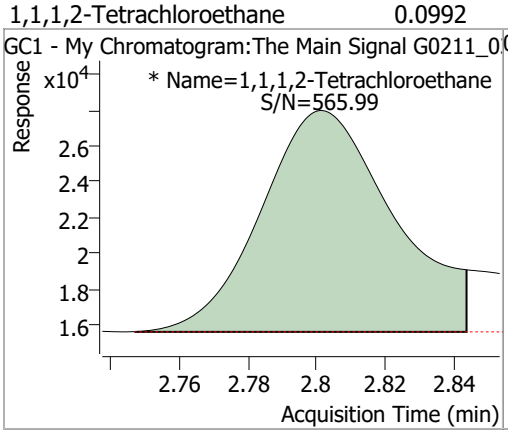
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

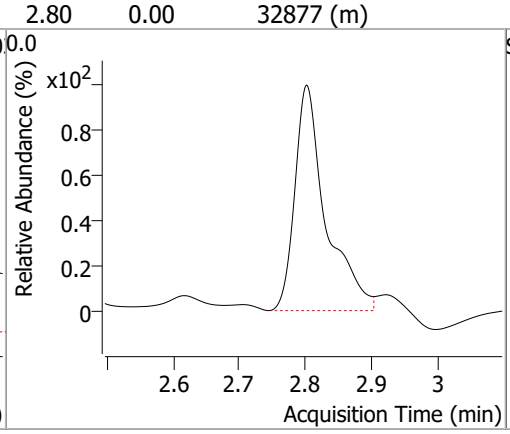
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

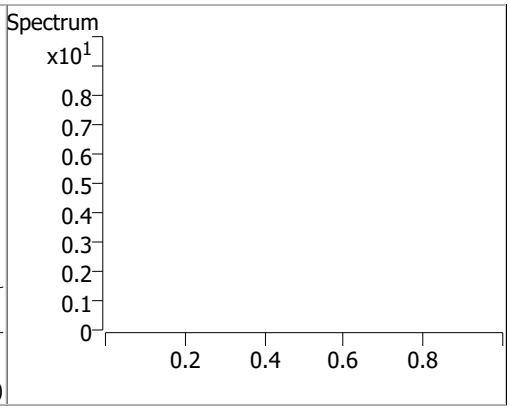




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0992	2.80	0.00	32877 (m)				

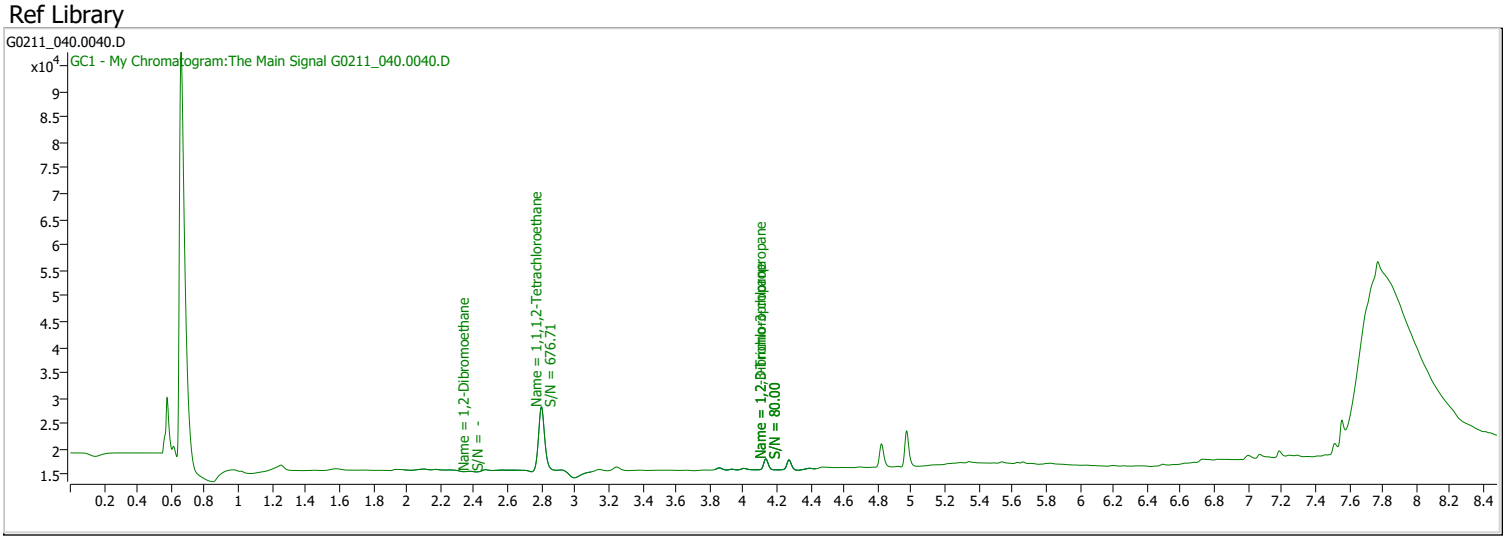






Quantitation Results Report (QT Reviewed)

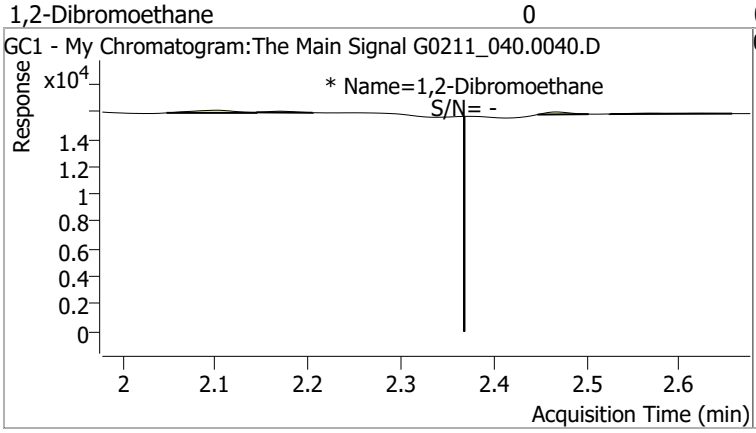
Data File	G0211_040.0040.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 10:30:29 PM
Sample Name	B22020415-035A	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

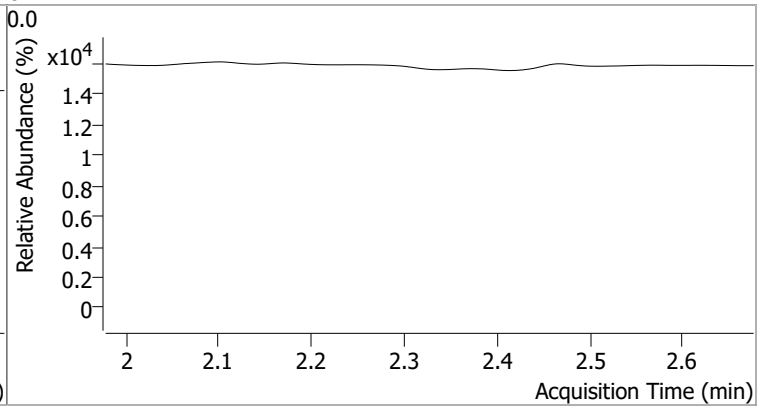


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.800	0.0	31344	0.0950	µg/L	m	0.003
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 94.97%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.368	0.0	0		µg/L	md	1

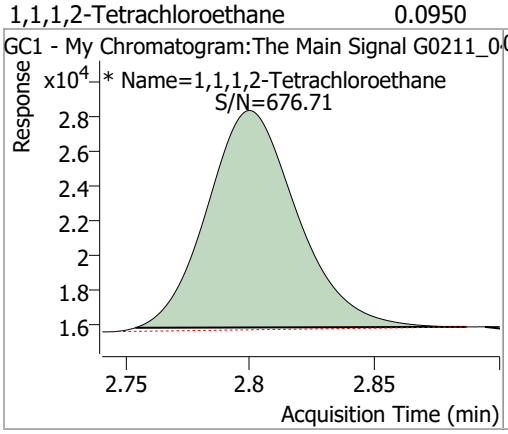
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

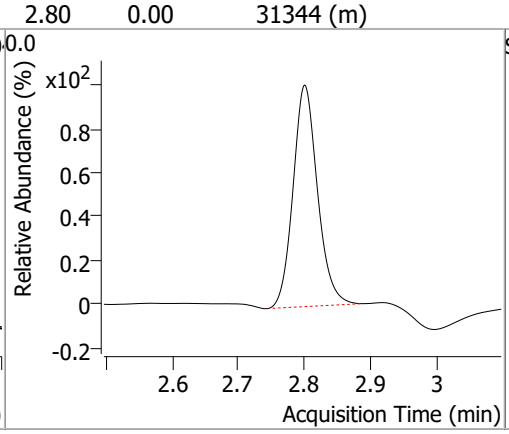
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				

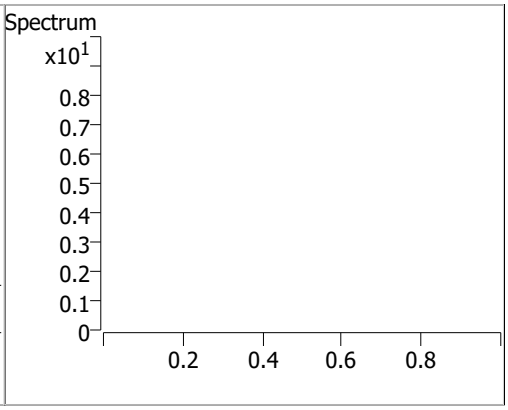




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.0950	2.80	0.00	31344 (m)				

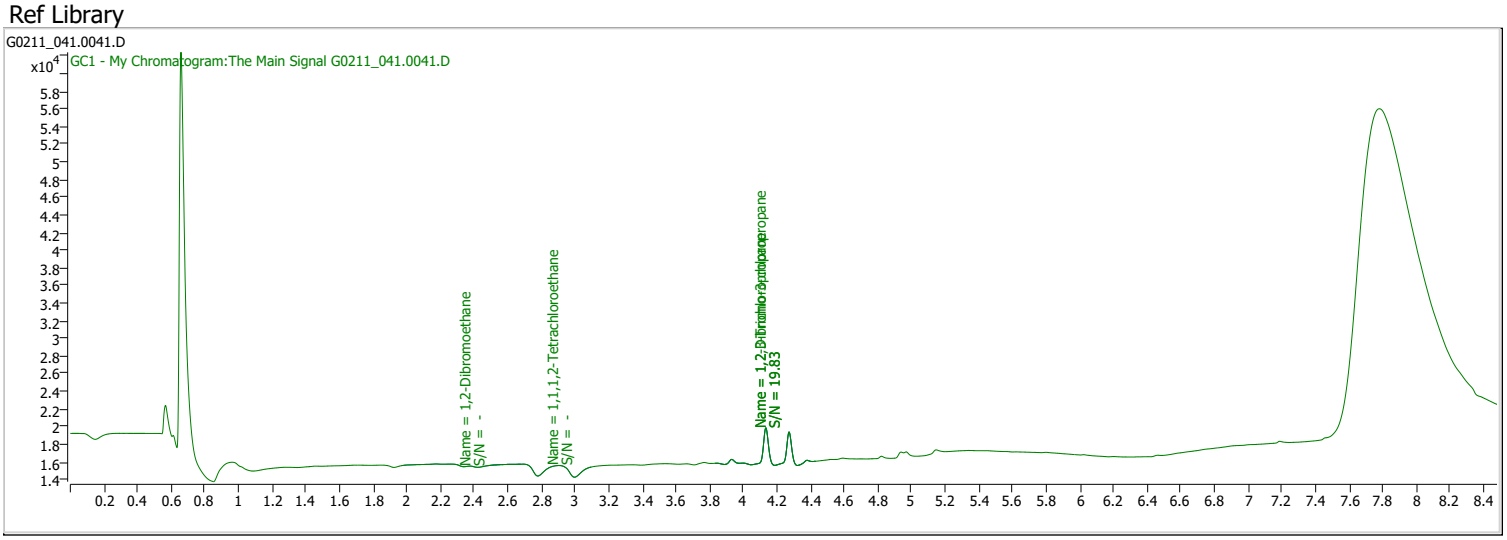






Quantitation Results Report (QT Reviewed)

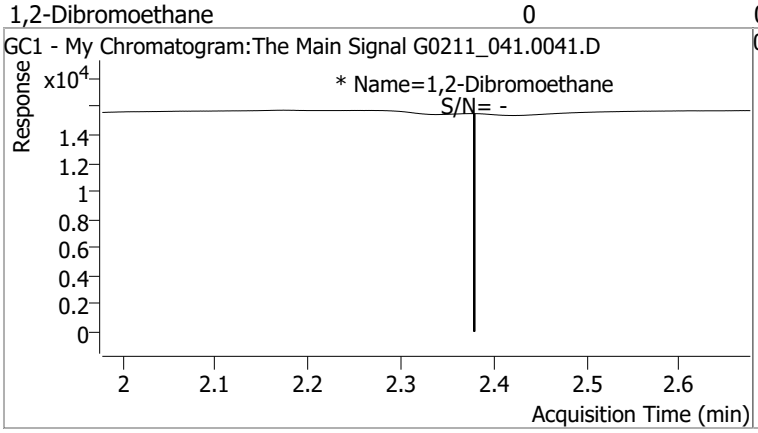
Data File	G0211_041.0041.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 10:50:29 PM
Sample Name	Hexan	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			

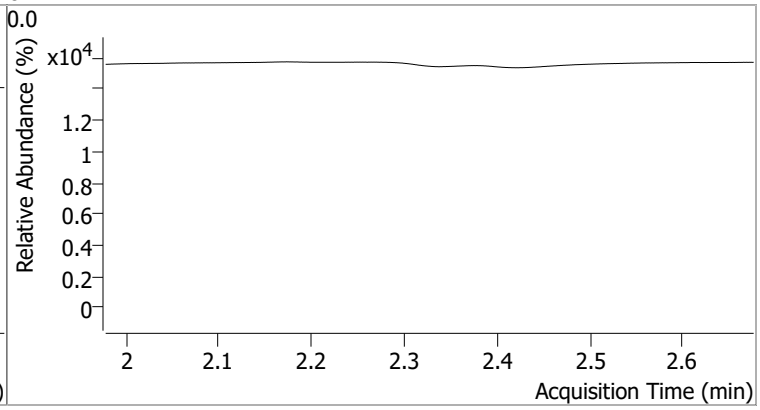


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.900	0.0	0		µg/L	md	0.103
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = NA%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.379	0.0	0		µg/L	md	1

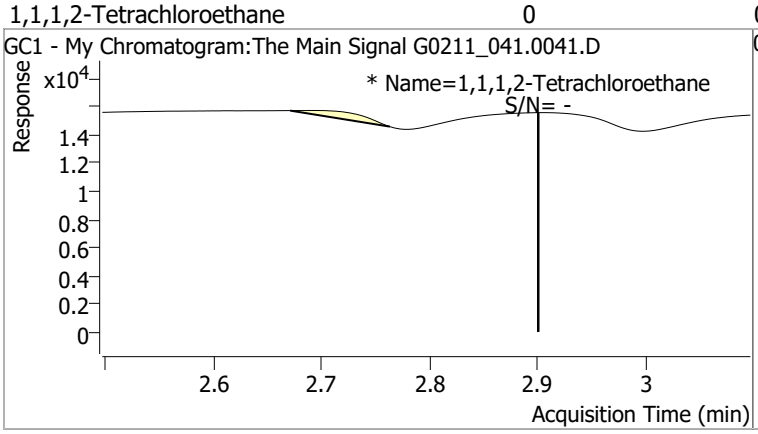
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

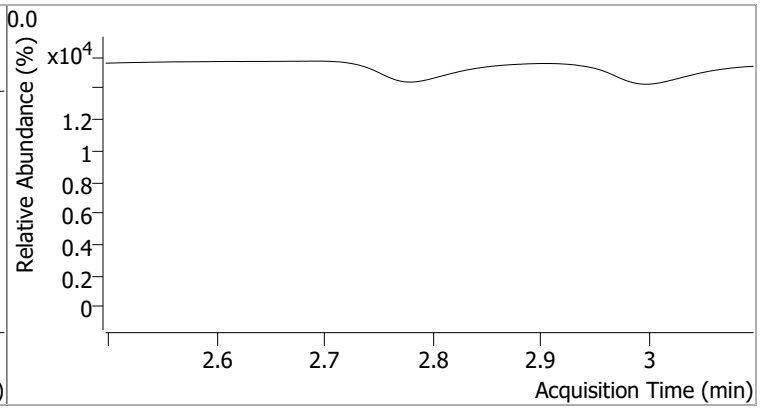
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane		0		0				





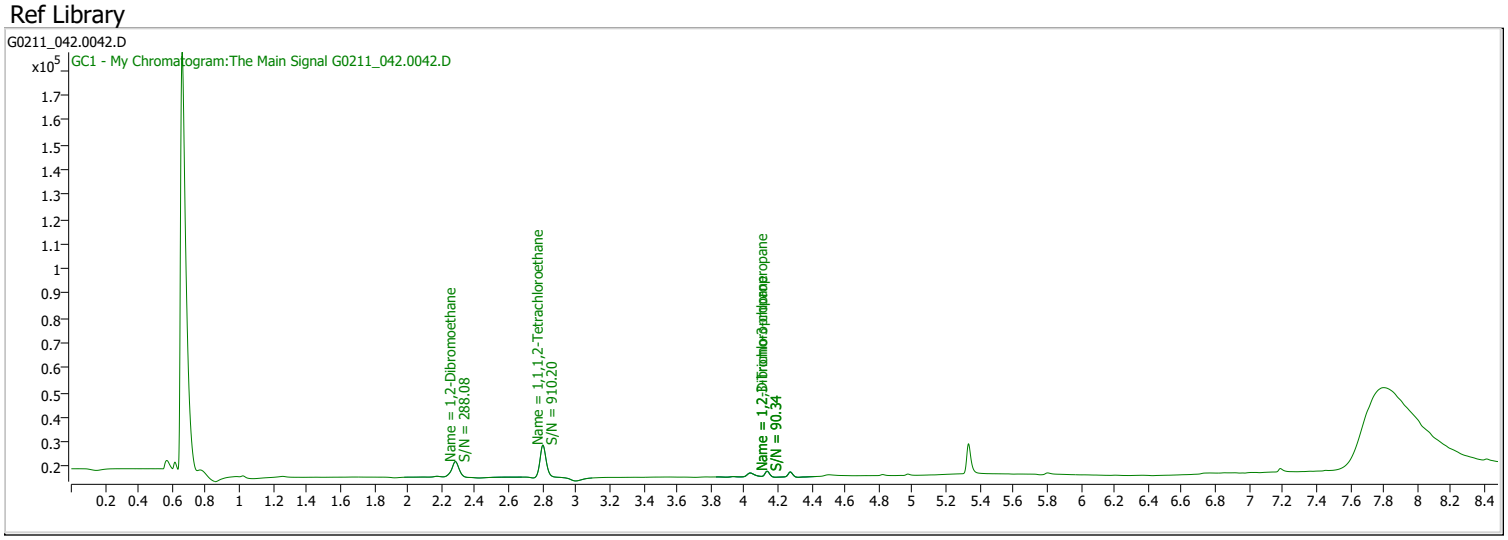
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane		0		0				





Quantitation Results Report (QT Reviewed)

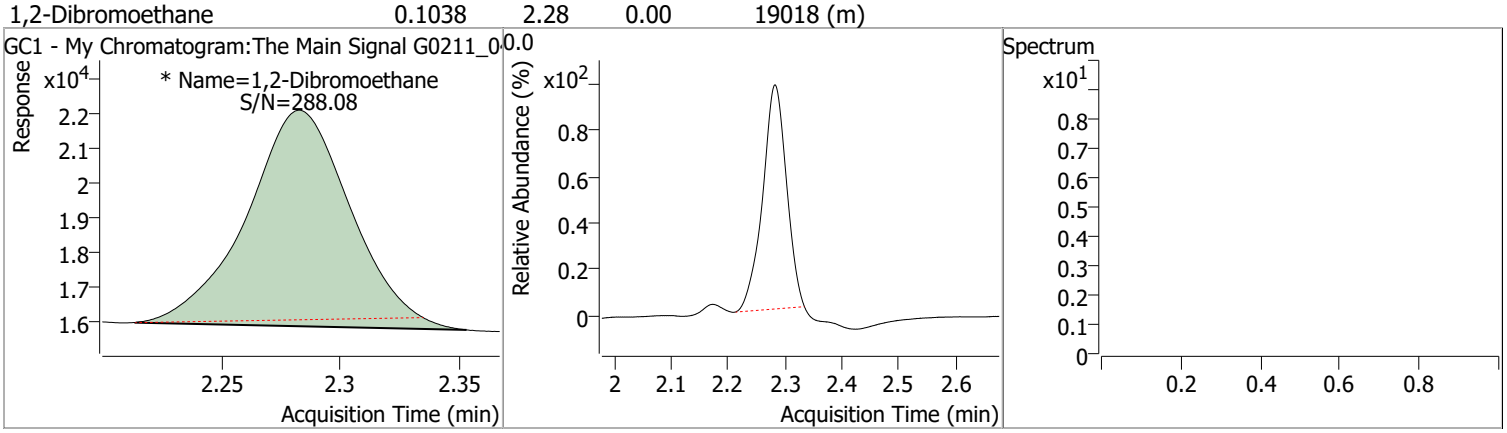
Data File	G0211_042.0042.D	Operator	
Acq. Method	testAcqFileNamePath	Acq. Date-Time	2/11/2022 11:10:18 PM
Sample Name	CAL3-163636	Instrument	WJB
Vial		Multiplier	1.00
DA Method File	G021122_8011_W_CLT.m	Comment	
Tune File		Tune Date	
Batch Name	G021122_8011_W_CLT.batch.bin	Last Calib Update	2/11/2022 1:49:16 PM
Ref Library			



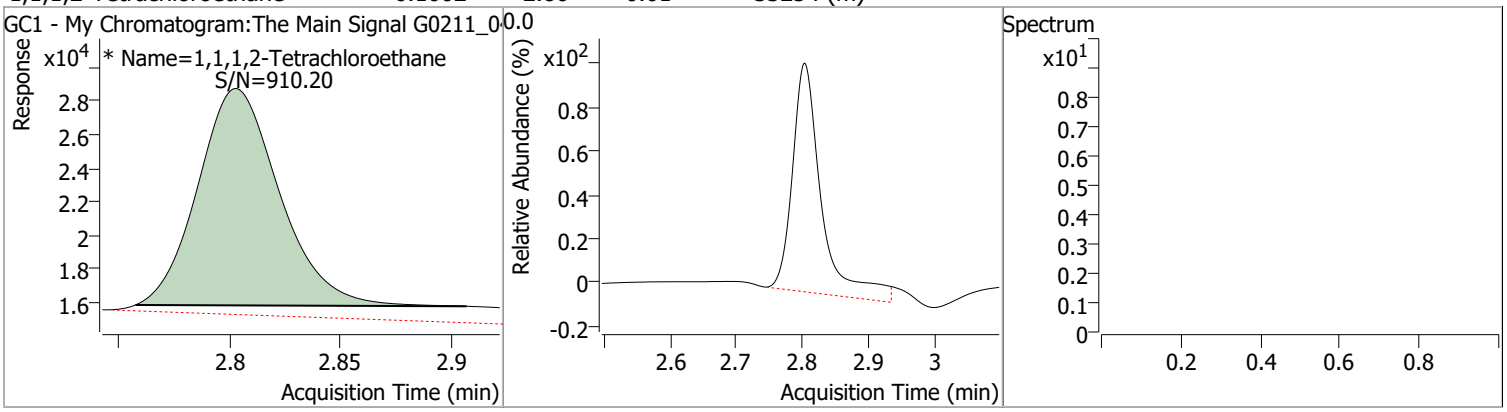
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
System Monitoring Compounds							
S 1,1,1,2-Tetrachloroethane	2.803	0.0	33254	0.1002	µg/L	m	0.006
Spiked Amount: 0.100	Range: 70.0 - 130.0%			Recovery = 100.19%			
Target Compounds							QValue
M 1,2-Dibromoethane	2.283	0.0	19018	0.1038	µg/L	m	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,2-Dibromoethane	0.1038	2.28	0.00	19018 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
1,1,1,2-Tetrachloroethane	0.1002	2.80	0.01	33254 (m)				



Batch name and path: \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin
Quant batch version: 10.0
Quant reporting version: 10.0

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdNewBatchTable	BL2000\ctran	2/11/2022 10:14:18 AM	Create new batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G021122_8011_W_CLT.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\ctran	2/11/2022 10:14:22 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_002.0002.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_001.0001.D			✓	
CmdStartMethodEditing	BL2000\ctran	2/11/2022 10:14:32 AM	Start method editing			✓	
CmdImportMethodFromFile	BL2000\ctran	2/11/2022 10:14:32 AM	Import method from file \\MASSHUNTER\Org\Data\GECD.I\GECD_methods\G020922_8011_W_CLT.m			✓	
CmdApplyMethodToAllSamples	BL2000\ctran	2/11/2022 10:14:39 AM	Apply method to all samples			✓	
CmdMethodClear	BL2000\ctran	2/11/2022 10:14:39 AM	Clear method			✓	
CmdEndMethodEditing	BL2000\ctran	2/11/2022 10:14:40 AM	End method editing			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 10:14:40 AM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 10:14:50 AM	Set SampleType = CC for sample G0211_002.0002.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 10:14:55 AM	Set LevelName = 5 for sample G0211_002.0002.D; previous value =			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 10:14:56 AM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 10:15:10 AM	Set SampleType = CC for sample G0211_001.0001.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 10:15:13 AM	Set LevelName = 5 for sample G0211_001.0001.D; previous value =			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 10:15:14 AM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\ctran	2/11/2022 10:15:47 AM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\ctran	2/11/2022 10:30:49 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_003.0003.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 10:30:52 AM	Set LevelName = 6 for sample G0211_003.0003.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 10:30:55 AM	Set SampleType = CC for sample G0211_003.0003.D; previous value = Sample			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdQuantitate	BL2000\ctran	2/11/2022 10:30:56 AM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 10:31:02 AM	Set LevelName = 5 for sample G0211_003.0003.D; previous value = 6			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 10:31:04 AM	Set LevelName = 6 for sample G0211_003.0003.D; previous value = 5			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 10:31:07 AM	Quantitate all compounds in all samples			✓	
CmdImportSamplesFromWorklist	BL2000\ctran	2/11/2022 11:30:25 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_006.0006.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_005.0005.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_004.0004.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 11:30:29 AM	Set SampleType = CC for sample G0211_004.0004.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 11:30:31 AM	Set LevelName = 6 for sample G0211_004.0004.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 11:30:33 AM	Set SampleType = CC for sample G0211_005.0005.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 11:30:35 AM	Set LevelName = 5 for sample G0211_005.0005.D; previous value =			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 11:30:36 AM	Quantitate all compounds in all samples			✓	
CmdImportSamplesFromWorklist	BL2000\ctran	2/11/2022 11:47:29 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_007.0007.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 11:47:39 AM	Set SampleType = Calibration for sample G0211_007.0007.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 11:47:40 AM	Set LevelName = 1 for sample G0211_007.0007.D; previous value =			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 11:47:43 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/11/2022 11:48:03 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_007.0007.D, from x, y = 2.785, 15745 to 2.845, 15710, result = 1148; previous integration is from x, y = 2.768, 15149 to 2.845, 15710 and previous response = 2172.			✓	
CmdSaveBatchTable	BL2000\ctran	2/11/2022 11:48:41 AM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdUpdateRetentionTimes	BL2000\ctran	2/11/2022 11:48:54 AM	Update retention time for compound 1,2,3-Trichloropropane; 1,2-Dibromo-3-chloropropane; 1,2-Dibromoethane; 1,1,1,2-Tetrachloroethane;			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 11:48:58 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/11/2022 11:49:07 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_007.0007.D, from x, y = 2.787, 15839 to 2.845, 15710, result = 978; previous integration is from x, y = 2.785, 15745 to 2.845, 15710 and previous response = 1148.			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/11/2022 11:49:12 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_007.0007.D, from x, y = 2.787, 15785 to 2.845, 15710, result = 1071; previous integration is from x, y = 2.787, 15839 to 2.845, 15710 and previous response = 978.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/11/2022 11:49:14 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_007.0007.D; previous value =			✓	
CmdSaveBatchTable	BL2000\ctran	2/11/2022 11:49:21 AM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\ctran	2/11/2022 12:48:03 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_010.0010.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_009.0009.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_008.0008.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:48:08 PM	Set SampleType = Calibration for sample G0211_008.0008.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:48:10 PM	Set LevelName = 7 for sample G0211_008.0008.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:48:12 PM	Set SampleType = Calibration for sample G0211_009.0009.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:48:15 PM	Set LevelName = 2 for sample G0211_009.0009.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:48:17 PM	Set SampleType = Calibration for sample G0211_010.0010.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:48:19 PM	Set LevelName = 3 for sample G0211_010.0010.D; previous value =			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 12:48:22 PM	Quantitate all compounds in all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdUpdateRetentionTimes	BL2000\ctran	2/11/2022 12:48:34 PM	Update retention time for compound 1,2,3-Trichloropropane; 1,2-Dibromo-3-chloropropane; 1,1,1,2-Tetrachloroethane; 1,2-Dibromoethane;			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 12:48:37 PM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/11/2022 12:48:50 PM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_008.0008.D, from x, y = 2.773, 15844 to 2.868, 15754, result = 4019; previous integration is from x, y = 2.761, 15361 to 2.868, 15754 and previous response = 5398.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/11/2022 12:48:51 PM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_008.0008.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/11/2022 12:48:57 PM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_009.0009.D, from x, y = 2.758, 15865 to 2.878, 15792, result = 13820; previous integration is from x, y = 2.745, 15542 to 2.923, 14849 and previous response = 20247.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/11/2022 12:48:58 PM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_009.0009.D; previous value =			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 12:50:44 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\ctran	2/11/2022 12:50:45 PM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:50:48 PM	Set SampleType = DoubleBlank for sample G0211_006.0006.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:50:50 PM	Set SampleType = DoubleBlank for sample G0211_001.0001.D; previous value = CC			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:50:51 PM	Set SampleType = DoubleBlank for sample G0211_002.0002.D; previous value = CC			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:50:55 PM	Set SampleType = Sample for sample G0211_003.0003.D; previous value = CC			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:50:58 PM	Set SampleType = Sample for sample G0211_004.0004.D; previous value = CC			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:51:02 PM	Set SampleType = Sample for sample G0211_005.0005.D; previous value = CC			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:51:04 PM	Set SampleType = Sample for sample G0211_002.0002.D; previous value = DoubleBlank			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:51:06 PM	Set SampleType = Sample for sample G0211_001.0001.D; previous value = DoubleBlank			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:51:06 PM	Set SampleApproved = True for sample G0211_001.0001.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:51:07 PM	Set SampleApproved = True for sample G0211_002.0002.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:51:08 PM	Set SampleApproved = True for sample G0211_003.0003.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:51:08 PM	Set SampleApproved = True for sample G0211_004.0004.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:51:10 PM	Set SampleApproved = True for sample G0211_005.0005.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:51:12 PM	Set SampleApproved = True for sample G0211_006.0006.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 12:51:13 PM	Set SampleApproved = False for sample G0211_006.0006.D; previous value = True			✓	
CmdSaveBatchTable	BL2000\ctran	2/11/2022 12:51:18 PM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\ctran	2/11/2022 1:10:42 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_011.0011.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:10:46 PM	Set SampleType = Calibration for sample G0211_011.0011.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:10:49 PM	Set LevelName = 4 for sample G0211_011.0011.D; previous value =			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 1:10:52 PM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\ctran	2/11/2022 1:11:19 PM	Snap baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_011.0011.D, from x = 2.738 to x = 2.916, new integration is from x, y = 2.738, 15906 to 2.916, 15776 and new response = 70271; previous integration is from x, y = 2.738, 15717 to 2.916, 14888 and previous response = 76035.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\ctran	2/11/2022 1:11:22 PM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_011.0011.D; previous value =			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 1:11:25 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\ctran	2/11/2022 1:11:26 PM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	
CmdImportSamplesFromWorklist	BL2000\ctran	2/11/2022 1:26:49 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_012.0012.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:26:54 PM	Set SampleType = Calibration for sample G0211_012.0012.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:26:56 PM	Set LevelName = 5 for sample G0211_012.0012.D; previous value =			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 1:26:58 PM	Quantitate all compounds in all samples			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 1:27:05 PM	Quantitate all compounds in all samples			✓	
CmdImportSamplesFromWorklist	BL2000\ctran	2/11/2022 1:46:12 PM	Add samples from worklist: \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_013.0013.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:46:18 PM	Set SampleType = Calibration for sample G0211_013.0013.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:46:21 PM	Set LevelName = 6 for sample G0211_013.0013.D; previous value =			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 1:46:23 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\ctran	2/11/2022 1:46:25 PM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 1:46:33 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\ctran	2/11/2022 1:46:34 PM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 1:47:42 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\ctran	2/11/2022 1:47:45 PM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\ctran	2/11/2022 1:48:07 PM	Drop baseline for compound 1,2-Dibromoethane in sample G0211_007.0007.D to y = 15995, new integration is from x, y = 2.220, 15995 to 2.317, 15995 and new response = 1743; previous integration is from x, y = 2.220, 15995 to 2.317, 15998 and previous response = 1733.			✓	
CmdClearManualIntegration	BL2000\ctran	2/11/2022 1:48:09 PM	Clear manual integration of target signal for compound 1,2-Dibromoethane in sample G0211_007.0007.D			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/11/2022 1:48:13 PM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_007.0007.D; previous value = GT			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/11/2022 1:48:38 PM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_011.0011.D; previous value = GT			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\ctran	2/11/2022 1:48:43 PM	Snap baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_012.0012.D, from x = 2.738 to x = 2.916, new integration is from x, y = 2.738, 16432 to 2.916, 15854 and new response = 152037; previous integration is from x, y = 2.738, 15754 to 2.916, 14908 and previous response = 160683.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/11/2022 1:48:44 PM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_012.0012.D; previous value =			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\ctran	2/11/2022 1:48:52 PM	Snap baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_013.0013.D, from x = 2.738 to x = 2.919, new integration is from x, y = 2.738, 17698 to 2.919, 15932 and new response = 397738; previous integration is from x, y = 2.738, 15752 to 2.919, 14895 and previous response = 413993.			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:48:55 PM	Set SampleApproved = True for sample G0211_013.0013.D; previous value = False			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/11/2022 1:48:57 PM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_013.0013.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:48:59 PM	Set SampleApproved = True for sample G0211_012.0012.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:48:59 PM	Set SampleApproved = True for sample G0211_011.0011.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:49:00 PM	Set SampleApproved = True for sample G0211_010.0010.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:49:00 PM	Set SampleApproved = True for sample G0211_009.0009.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:49:01 PM	Set SampleApproved = True for sample G0211_008.0008.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:49:01 PM	Set SampleApproved = True for sample G0211_007.0007.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/11/2022 1:49:06 PM	Zero out primary peak of compound 1,1,1,2-Tetrachloroethane in sample G0211_006.0006.D			✓	
CmdZeroOutPeak	BL2000\ctran	2/11/2022 1:49:07 PM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_006.0006.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/11/2022 1:49:09 PM	Set SampleApproved = True for sample G0211_006.0006.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdCalibrate	BL2000\ctran	2/11/2022 1:49:16 PM	Replace level 6 with Calibration sample G0211_013.0013.D for compounds {1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane, 1,1,1,2-Tetrachloroethane, 1,2-Dibromoethane}; Replace level 5 with Calibration sample G0211_012.0012.D for compounds {1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane, 1,1,1,2-Tetrachloroethane, 1,2-Dibromoethane}; Replace level 4 with Calibration sample G0211_011.0011.D for compounds {1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane, 1,1,1,2-Tetrachloroethane, 1,2-Dibromoethane}; Replace level 3 with Calibration sample G0211_010.0010.D for compounds {1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane, 1,1,1,2-Tetrachloroethane, 1,2-Dibromoethane}; Replace level 2 with Calibration sample G0211_009.0009.D for compounds {1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane, 1,1,1,2-Tetrachloroethane, 1,2-Dibromoethane}; Replace level 7 with Calibration sample G0211_008.0008.D for compounds {1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane, 1,1,1,2-Tetrachloroethane, 1,2-Dibromoethane}; Replace level 1 with Calibration sample G0211_007.0007.D for compounds {1,2,3-Trichloropropane, 1,2-Dibromo-3-chloropropane, 1,1,1,2-Tetrachloroethane, 1,2-Dibromoethane};			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 1:49:19 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\ctran	2/11/2022 1:49:21 PM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	
CmdStartMethodEditing	BL2000\ctran	2/11/2022 1:56:34 PM	Start method editing			✓	
CmdImportMethodFromSample	BL2000\ctran	2/11/2022 1:56:34 PM	Import method from sample G0211_006.0006.D			✓	
CmdSaveMethodAs	BL2000\ctran	2/11/2022 1:56:48 PM	Save method to file \\MASSHUNTER\Org\Data\GECD.I\GECD_methods\G021122_8011_W_CLT.m			✓	
CmdApplyMethodToAllSamples	BL2000\ctran	2/11/2022 1:56:53 PM	Apply method to all samples			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdMethodClear	BL2000\ctran	2/11/2022 1:56:53 PM	Clear method			✓	
CmdEndMethodEditing	BL2000\ctran	2/11/2022 1:56:54 PM	End method editing			✓	
CmdQuantitate	BL2000\ctran	2/11/2022 1:56:56 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\ctran	2/11/2022 3:17:59 PM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	
CmdOpenBatchTable	BL2000\ctran	2/14/2022 7:35:16 AM	Open batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G021122_8011_W_CLT.batch.bin			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdImportSamplesFromWorklist	BL2000\ctran	2/14/2022 7:35:45 AM	Add samples from worklist: \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_042.0042.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_041.0041.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_040.0040.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_039.0039.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_038.0038.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_037.0037.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_036.0036.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_035.0035.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_034.0034.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_033.0033.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_032.0032.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_031.0031.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_030.0030.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_029.0029.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_028.0028.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_027.0027.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_026.0026.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_025.0025.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_024.0024.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_023.0023.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_022.0022.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_021.0021.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_020.0020.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_019.0019.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_018.0018.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_017.0017.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_016.0016.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_015.0015.D, \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G0211_014.0014.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:07 AM	Set SampleType = QC for sample G0211_015.0015.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:10 AM	Set LevelName = LCS for sample G0211_015.0015.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:12 AM	Set SampleType = CC for sample G0211_016.0016.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:14 AM	Set LevelName = 3 for sample G0211_016.0016.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:17 AM	Set SampleType = Blank for sample G0211_017.0017.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:19 AM	Set SampleType = MatrixDup for sample G0211_018.0018.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:22 AM	Set SampleType = QC for sample G0211_018.0018.D; previous value = MatrixDup			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:24 AM	Set LevelName = LCS for sample G0211_018.0018.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:26 AM	Set SampleType = QC for sample G0211_019.0019.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:30 AM	Set LevelName = LCS1 for sample G0211_019.0019.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:33 AM	Set SampleType = DoubleBlank for sample G0211_020.0020.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:37 AM	Set SampleType = MatrixBlank for sample G0211_029.0029.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:39 AM	Set SampleType = Matrix for sample G0211_030.0030.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:41 AM	Set SampleType = MatrixDup for sample G0211_031.0031.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:36:55 AM	Set MatrixSpikeGroup = G for sample G0211_029.0029.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:37:06 AM	Set MatrixSpikeGroup = G04151 for sample G0211_029.0029.D; previous value = G			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:37:07 AM	Set MatrixSpikeGroup = G04151 for sample G0211_030.0030.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:37:08 AM	Set MatrixSpikeGroup = G04151 for sample G0211_031.0031.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:37:11 AM	Set SampleType = DoubleBlank for sample G0211_032.0032.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:37:13 AM	Set SampleType = CC for sample G0211_033.0033.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:37:17 AM	Set LevelName = 5 for sample G0211_033.0033.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:37:18 AM	Set SampleType = DoubleBlank for sample G0211_034.0034.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:37:26 AM	Set SampleType = DoubleBlank for sample G0211_041.0041.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:37:28 AM	Set SampleType = CC for sample G0211_042.0042.D; previous value = Sample			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:37:31 AM	Set LevelName = 3 for sample G0211_042.0042.D; previous value =			✓	
CmdQuantitate	BL2000\ctran	2/14/2022 7:37:34 AM	Quantitate all compounds in all samples			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:38:08 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_029.0029.D, from x, y = 2.753, 16146 to 2.889, 16188, result = 35836; previous integration is from x, y = 2.739, 15594 to 2.920, 14792 and previous response = 45943.			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:38:12 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_029.0029.D, from x, y = 2.753, 16146 to 2.836, 16348, result = 30884; previous integration is from x, y = 2.753, 16146 to 2.889, 16188 and previous response = 35836.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\ctran	2/14/2022 7:38:13 AM	Drop baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_029.0029.D to y = 16146, new integration is from x, y = 2.753, 16146 to 2.836, 16146 and new response = 31383; previous integration is from x, y = 2.753, 16146 to 2.836, 16348 and previous response = 30884.			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:38:21 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_031.0031.D, from x, y = 2.747, 15813 to 2.836, 18823, result = 24471; previous integration is from x, y = 2.738, 15663 to 2.921, 14848 and previous response = 44840.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateSnapBaseline	BL2000\ctran	2/14/2022 7:38:22 AM	Snap baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_031.0031.D, from x = 2.747 to x = 2.836, new integration is from x, y = 2.747, 15813 to 2.836, 18823 and new response = 24471; previous integration is from x, y = 2.747, 15813 to 2.836, 18823 and previous response = 24471.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\ctran	2/14/2022 7:38:24 AM	Drop baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_031.0031.D to y = 15813, new integration is from x, y = 2.747, 15813 to 2.836, 15813 and new response = 32524; previous integration is from x, y = 2.747, 15813 to 2.836, 18823 and previous response = 24471.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\ctran	2/14/2022 7:38:31 AM	Snap baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_033.0033.D, from x = 2.738 to x = 2.917, new integration is from x, y = 2.738, 16313 to 2.917, 15760 and new response = 162640; previous integration is from x, y = 2.738, 14460 to 2.917, 14460 and previous response = 179503.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\ctran	2/14/2022 7:38:39 AM	Snap baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_042.0042.D, from x = 2.748 to x = 2.933, new integration is from x, y = 2.748, 15521 to 2.933, 15542 and new response = 35565; previous integration is from x, y = 2.748, 15497 to 2.933, 14612 and previous response = 40881.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\ctran	2/14/2022 7:40:33 AM	Snap baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_016.0016.D, from x = 2.739 to x = 2.922, new integration is from x, y = 2.739, 15677 to 2.922, 15635 and new response = 34772; previous integration is from x, y = 2.739, 15599 to 2.922, 14824 and previous response = 39644.			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:40:40 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_016.0016.D, from x, y = 2.747, 15818 to 2.884, 15792, result = 33351; previous integration is from x, y = 2.739, 15677 to 2.922, 15635 and previous response = 34772.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:40:42 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_016.0016.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdQuantitate	BL2000\ctran	2/14/2022 7:41:13 AM	Quantitate all compounds in all samples			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:41:15 AM	Set SampleApproved = True for sample G0211_016.0016.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:41:41 AM	Set SampleApproved = True for sample G0211_033.0033.D; previous value = False			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:41:42 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_033.0033.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:42:01 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_042.0042.D, from x, y = 2.748, 15521 to 2.907, 15724, result = 34512; previous integration is from x, y = 2.748, 15521 to 2.933, 15542 and previous response = 35565.			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\ctran	2/14/2022 7:42:03 AM	Snap baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_042.0042.D, from x = 2.748 to x = 2.907, new integration is from x, y = 2.748, 15521 to 2.907, 15724 and new response = 34512; previous integration is from x, y = 2.748, 15521 to 2.907, 15724 and previous response = 34512.			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:42:08 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_042.0042.D, from x, y = 2.758, 15802 to 2.907, 15724, result = 33254; previous integration is from x, y = 2.748, 15521 to 2.907, 15724 and previous response = 34512.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:42:10 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_042.0042.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:42:18 AM	Manually integrate compound 1,2-Dibromoethane in sample G0211_042.0042.D, from x, y = 2.214, 15960 to 2.353, 15750, result = 19018; previous integration is from x, y = 2.214, 15960 to 2.334, 16106 and previous response = 17702.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:42:20 AM	Set UserAnnotation = LT for compound 1,2-Dibromoethane in sample G0211_042.0042.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:44:02 AM	Set SampleApproved = True for sample G0211_042.0042.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:44:09 AM	Zero out primary peak of compound 1,1,1,2-Tetrachloroethane in sample G0211_014.0014.D			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:44:11 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_014.0014.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:44:12 AM	Set SampleApproved = True for sample G0211_014.0014.D; previous value = False			✓	
CmdManuallyIntegrateSnapBaseline	BL2000\ctran	2/14/2022 7:44:22 AM	Snap baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_015.0015.D, from x = 2.740 to x = 2.923, new integration is from x, y = 2.740, 15693 to 2.923, 15677 and new response = 33245; previous integration is from x, y = 2.740, 15667 to 2.923, 14877 and previous response = 37764.			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:44:34 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_015.0015.D, from x, y = 2.746, 15771 to 2.903, 15760, result = 32427; previous integration is from x, y = 2.740, 15693 to 2.923, 15677 and previous response = 33245.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:44:39 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_015.0015.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:44:50 AM	Set SampleApproved = True for sample G0211_015.0015.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:44:53 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_017.0017.D			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:45:00 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_017.0017.D, from x, y = 2.752, 15865 to 2.892, 15823, result = 30422; previous integration is from x, y = 2.743, 15641 to 2.922, 14821 and previous response = 36842.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:45:02 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_017.0017.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:45:06 AM	Set SampleApproved = True for sample G0211_017.0017.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:45:14 AM	Manually integrate compound 1,2-Dibromoethane in sample G0211_018.0018.D, from x, y = 2.207, 16097 to 2.368, 15995, result = 41395; previous integration is from x, y = 2.207, 16097 to 2.345, 16239 and previous response = 40328.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:45:16 AM	Set UserAnnotation = LT for compound 1,2-Dibromoethane in sample G0211_018.0018.D; previous value =			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:45:26 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_018.0018.D, from x, y = 2.753, 16052 to 2.891, 15932, result = 30841; previous integration is from x, y = 2.741, 15750 to 2.922, 14924 and previous response = 37685.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\ctran	2/14/2022 7:45:27 AM	Drop baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_018.0018.D to y = 15932, new integration is from x, y = 2.753, 15932 to 2.891, 15932 and new response = 31338; previous integration is from x, y = 2.753, 16052 to 2.891, 15932 and previous response = 30841.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:45:32 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_018.0018.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:45:36 AM	Set SampleApproved = True for sample G0211_018.0018.D; previous value = False			✓	
CmdManuallyIntegrateDropBaseline	BL2000\ctran	2/14/2022 7:45:43 AM	Drop baseline for compound 1,2-Dibromoethane in sample G0211_019.0019.D to y = 16303, new integration is from x, y = 2.205, 16303 to 2.334, 16303 and new response = 17172; previous integration is from x, y = 2.205, 16303 to 2.334, 16359 and previous response = 16957.			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:45:46 AM	Manually integrate compound 1,2-Dibromoethane in sample G0211_019.0019.D, from x, y = 2.205, 16303 to 2.353, 16182, result = 17644; previous integration is from x, y = 2.205, 16303 to 2.334, 16303 and previous response = 17172.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:45:49 AM	Set UserAnnotation = LT for compound 1,2-Dibromoethane in sample G0211_019.0019.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:45:57 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_019.0019.D, from x, y = 2.748, 16208 to 2.887, 16151, result = 31517; previous integration is from x, y = 2.739, 15990 to 2.921, 15164 and previous response = 37898.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:45:58 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_019.0019.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:45:59 AM	Set SampleApproved = True for sample G0211_019.0019.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:47:06 AM	Zero out primary peak of compound 1,1,1,2-Tetrachloroethane in sample G0211_020.0020.D			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:47:08 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_020.0020.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:47:09 AM	Set SampleApproved = True for sample G0211_020.0020.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:47:56 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_021.0021.D			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:48:03 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_021.0021.D, from x, y = 2.749, 16271 to 2.885, 16240, result = 30359; previous integration is from x, y = 2.739, 16045 to 2.925, 15154 and previous response = 37430.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:48:04 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_021.0021.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:48:06 AM	Set SampleApproved = True for sample G0211_021.0021.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:49:25 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_022.0022.D			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:49:33 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_022.0022.D, from x, y = 2.751, 16153 to 2.880, 16223, result = 30252; previous integration is from x, y = 2.739, 15878 to 2.880, 16223 and previous response = 31290.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:49:34 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_022.0022.D; previous value =			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:49:36 AM	Set SampleApproved = True for sample G0211_022.0022.D; previous value = False			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:50:07 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_023.0023.D, from x, y = 2.747, 16021 to 2.889, 15979, result = 31794; previous integration is from x, y = 2.736, 15344 to 2.923, 14839 and previous response = 41866.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:50:08 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_023.0023.D; previous value =			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:50:13 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_023.0023.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:50:15 AM	Set SampleApproved = True for sample G0211_023.0023.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:50:32 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_024.0024.D			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:50:40 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_024.0024.D, from x, y = 2.744, 16031 to 2.882, 16102, result = 34424; previous integration is from x, y = 2.738, 15875 to 2.882, 16102 and previous response = 35057.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:50:41 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_024.0024.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:51:07 AM	Set SampleApproved = True for sample G0211_024.0024.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:51:11 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_025.0025.D			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:51:19 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_025.0025.D, from x, y = 2.747, 15901 to 2.880, 15932, result = 31613; previous integration is from x, y = 2.737, 15708 to 2.919, 14856 and previous response = 38472.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:51:21 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_025.0025.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:51:23 AM	Set SampleApproved = True for sample G0211_025.0025.D; previous value = False			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:51:25 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_026.0026.D			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:51:33 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_026.0026.D, from x, y = 2.747, 15828 to 2.884, 15823, result = 31354; previous integration is from x, y = 2.736, 15612 to 2.919, 14793 and previous response = 38107.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:51:34 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_026.0026.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:51:36 AM	Set SampleApproved = True for sample G0211_026.0026.D; previous value = False			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:51:44 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_027.0027.D, from x, y = 2.749, 15927 to 2.885, 15909, result = 30296; previous integration is from x, y = 2.739, 15593 to 2.885, 15909 and previous response = 31644.			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:51:48 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_027.0027.D			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:52:40 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_027.0027.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:52:43 AM	Set SampleApproved = True for sample G0211_027.0027.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:52:46 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_028.0028.D			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:52:53 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_028.0028.D, from x, y = 2.750, 15849 to 2.890, 15807, result = 32053; previous integration is from x, y = 2.738, 15167 to 2.924, 14658 and previous response = 42019.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:52:54 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_028.0028.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:53:01 AM	Set SampleApproved = True for sample G0211_028.0028.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:53:03 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_029.0029.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:54:31 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_029.0029.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:54:32 AM	Set SampleApproved = True for sample G0211_029.0029.D; previous value = False			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:54:44 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_030.0030.D, from x, y = 2.752, 16052 to 2.826, 15980, result = 31359; previous integration is from x, y = 2.740, 15702 to 2.825, 15360 and previous response = 33417.			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 7:54:47 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_030.0030.D, from x, y = 2.748, 15875 to 2.826, 15980, result = 31760; previous integration is from x, y = 2.752, 16052 to 2.826, 15980 and previous response = 31359.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\ctran	2/14/2022 7:54:49 AM	Drop baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_030.0030.D to y = 15875, new integration is from x, y = 2.748, 15875 to 2.826, 15875 and new response = 32006; previous integration is from x, y = 2.748, 15875 to 2.826, 15980 and previous response = 31760.			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:54:54 AM	Set SampleApproved = True for sample G0211_030.0030.D; previous value = False			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:55:26 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_031.0031.D; previous value =			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 7:55:29 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_030.0030.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:58:36 AM	Set SampleApproved = True for sample G0211_031.0031.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:59:12 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_032.0032.D			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:59:29 AM	Zero out primary peak of compound 1,1,1,2-Tetrachloroethane in sample G0211_032.0032.D			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:59:31 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_032.0032.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:59:33 AM	Set SampleApproved = True for sample G0211_032.0032.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:59:56 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_034.0034.D			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 7:59:58 AM	Zero out primary peak of compound 1,1,1,2-Tetrachloroethane in sample G0211_034.0034.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 7:59:59 AM	Set SampleApproved = True for sample G0211_034.0034.D; previous value = False			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 8:00:08 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_035.0035.D, from x, y = 2.752, 15771 to 2.887, 15850, result = 30434; previous integration is from x, y = 2.746, 15641 to 2.887, 15850 and previous response = 30945.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 8:00:10 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_035.0035.D; previous value =			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 8:00:16 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_035.0035.D			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 8:00:17 AM	Set SampleApproved = True for sample G0211_035.0035.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 8:00:59 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_036.0036.D			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 8:01:04 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_036.0036.D, from x, y = 2.753, 15823 to 2.883, 15818, result = 31513; previous integration is from x, y = 2.743, 15592 to 2.925, 14749 and previous response = 38470.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 8:01:06 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_036.0036.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 8:01:08 AM	Set SampleApproved = True for sample G0211_036.0036.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 8:01:13 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_037.0037.D			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 8:01:18 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_037.0037.D, from x, y = 2.750, 15755 to 2.886, 15823, result = 31763; previous integration is from x, y = 2.742, 15595 to 2.918, 14819 and previous response = 37830.			✓	
CmdManuallyIntegrateDropBaseline	BL2000\ctran	2/14/2022 8:01:19 AM	Drop baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_037.0037.D to y = 15755, new integration is from x, y = 2.750, 15755 to 2.886, 15755 and new response = 32039; previous integration is from x, y = 2.750, 15755 to 2.886, 15823 and previous response = 31763.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 8:01:21 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_037.0037.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 8:01:22 AM	Set SampleApproved = True for sample G0211_037.0037.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 8:01:32 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_038.0038.D			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 8:01:37 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_038.0038.D, from x, y = 2.755, 15771 to 2.882, 15841, result = 31306; previous integration is from x, y = 2.746, 15536 to 2.882, 15841 and previous response = 32164.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 8:01:38 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_038.0038.D; previous value =			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 8:01:39 AM	Set SampleApproved = True for sample G0211_038.0038.D; previous value = False			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 8:01:52 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_039.0039.D			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 8:01:59 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_039.0039.D, from x, y = 2.748, 15641 to 2.843, 19099, result = 22934; previous integration is from x, y = 2.748, 15641 to 2.903, 15641 and previous response = 39987.			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdManuallyIntegrateDropBaseline	BL2000\ctran	2/14/2022 8:02:01 AM	Drop baseline for compound 1,1,1,2-Tetrachloroethane in sample G0211_039.0039.D to y = 15641, new integration is from x, y = 2.748, 15641 to 2.843, 15641 and new response = 32877; previous integration is from x, y = 2.748, 15641 to 2.843, 19099 and previous response = 22934.			✓	
CmdManuallyIntegratePeak	BL2000\ctran	2/14/2022 8:02:10 AM	Manually integrate compound 1,1,1,2-Tetrachloroethane in sample G0211_040.0040.D, from x, y = 2.754, 15813 to 2.887, 15864, result = 31344; previous integration is from x, y = 2.745, 15590 to 2.887, 15864 and previous response = 32205.			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 8:02:11 AM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_040.0040.D; previous value =			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 8:02:14 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_040.0040.D			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 8:02:18 AM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_041.0041.D			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 8:02:19 AM	Zero out primary peak of compound 1,1,1,2-Tetrachloroethane in sample G0211_041.0041.D			✓	
CmdSaveBatchTable	BL2000\ctran	2/14/2022 12:01:36 PM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	
CmdOpenBatchTable	BL2000\ctran	2/14/2022 12:08:50 PM	Open batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\G021122_8011_W_CLT.batch.bin			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 12:10:26 PM	Set SampleApproved = True for sample G0211_040.0040.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 12:10:27 PM	Set SampleApproved = True for sample G0211_039.0039.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 12:10:31 PM	Set SampleApproved = True for sample G0211_041.0041.D; previous value = False			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 12:23:12 PM	Set SampleType = CC for sample G0211_007.0007.D; previous value = Calibration			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 12:23:14 PM	Set SampleType = CC for sample G0211_008.0008.D; previous value = Calibration			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 12:23:16 PM	Set SampleType = CC for sample G0211_009.0009.D; previous value = Calibration			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 12:23:17 PM	Set SampleType = CC for sample G0211_010.0010.D; previous value = Calibration			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 12:23:19 PM	Set SampleType = CC for sample G0211_011.0011.D; previous value = Calibration			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 12:23:21 PM	Set SampleType = CC for sample G0211_012.0012.D; previous value = Calibration			✓	
CmdSetSampleAttribute	BL2000\ctran	2/14/2022 12:23:23 PM	Set SampleType = CC for sample G0211_013.0013.D; previous value = Calibration			✓	
CmdQuantitate	BL2000\ctran	2/14/2022 12:23:26 PM	Quantitate all compounds in all samples			✓	
CmdZeroOutPeak	BL2000\ctran	2/14/2022 12:40:17 PM	Zero out primary peak of compound 1,2-Dibromoethane in sample G0211_025.0025.D			✓	
CmdQuantitate	BL2000\ctran	2/14/2022 12:46:38 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\ctran	2/14/2022 12:46:40 PM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	
CmdSetTargetCompoundAttribute	BL2000\ctran	2/14/2022 12:46:52 PM	Set UserAnnotation = GT for compound 1,1,1,2-Tetrachloroethane in sample G0211_039.0039.D; previous value =			✓	
CmdQuantitate	BL2000\ctran	2/14/2022 12:47:24 PM	Quantitate all compounds in all samples			✓	
CmdSaveBatchTable	BL2000\ctran	2/14/2022 12:47:32 PM	Save batch \\MASSHUNTER\Org\Data\GECD.I\G021122\aiaexport\QuantResults\G021122_8011_W_CLT.batch.bin			✓	
CmdOpenBatchTable	BL2000\srcox	3/9/2022 2:34:24 PM	Open batch D:\Org\Data\GECD.I\G021122\aiaexport\G021122_8011_W_CLT.batch.bin			✓	
GenerateReport	BL2000\srcox	3/9/2022 2:35:27 PM	Generates report - Method: \\MASSHUNTER\Org\reports\Gen_ResultsSummary.m, Output Path: D:\Org\Data\GECD.I\G021122\aiaexport\QuantReports\G021122_8011_W_CLT			✓	
GenerateReport	BL2000\srcox	3/9/2022 2:38:06 PM	Generates report - Method: \\MASSHUNTER\Org\reports\init_cal_rpt.m, Output Path: D:\Org\Data\GECD.I\G021122\aiaexport\QuantReports\G021122_8011_W_CLT-1			✓	

Name	User	Time	Action	Reason	Comment	Succeed	Exception
GenerateReport	BL2000\srcox	3/9/2022 2:40:04 PM	Generates report - Method: \\MASSHUNTER\Org\reports\Gen_Calibration.m, Output Path: D:\Org\Data\GECD.I\G021122\aiaexport\QuantReports\G021122_8011_W_CLT-2			✓	
GenerateReport	BL2000\srcox	3/9/2022 2:42:26 PM	Generates report - Method: \\MASSHUNTER\Org\reports\Env_QuantResults_wGraphics+Chromatogram.m, Output Path: D:\Org\Data\GECD.I\G021122\aiaexport\QuantReports\G021122_8011_W_CLT-3			✓	

Agilent

ID #: 13327
Opened:
Calibration Standard
Expires: 12/31/2023
Rec'd: 12/11/2020
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Certificate of Analysis

Product Name: Calibration Standard

Product Number: DWM-514-1 **Lot Issue Date:** 08-Dec-2020

Lot Number: 0006573696 **Expiration Date:** 31-Dec-2023

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
1,2-dibromo-3-chloropropane	000096-12-8	RM12895	200.7 ± 1.0 µg/mL
1,2-dibromoethane	000106-93-4	RM00018	200.2 ± 1.0 µg/mL
1,2,3-trichloropropane	000096-18-4	RM13082	200.4 ± 1.0 µg/mL

Matrix: methanol (methyl alcohol)

Storage Conditions: Store Frozen (-25° to -10°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 1 of 2
www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Certificate of Analysis

Product Number: DWM-514-1 **Lot Number:** 0006573696

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert
No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
Page: 2 of 2
www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert
No. AT-1937

Energy Laboratories Inc

Spike LOG

Standard ID:	PH121120504P		
Standard Name	504.1 Mix (200ug/mL) MeOH	Type:	Primary
Date Prepared	12/11/2019	BY:	Selina R. Cox
Date Expires:	12/31/2023		
Department	PST/HRBPR	Status:	New
Vendor:	Agilent		
Lot Number:	0006573696		
Balance ID:			

Comments: Date prepped is same as date received. [200ug/mL] MeOH. Recieved x4 1mL vials.

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Calibration Standard	13327	4	mL	12/31

Final Volume: 1 mL

Stock Source **Base Units** **Amount Added**

Analytes **CAS** Conc: **ug/mL**

Energy Laboratories Inc

Standard LOG

Standard ID:	PH011122504C3		
Standard Name	504.1 Cal Stock 3(0.7ug/mL) MeOH	Type:	Secondary
Date Prepared	1/11/2022	BY:	Carry L Tran
Date Expires:	2/12/2023		
Department	PST/HRBPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			

Comments: Final concentration = 0.7ug/mL Vol Flask# - EX-0117. Concentration represents both calmix and surrogate. 4/27/21 SRC.

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap EA899	13926	9.895	mL	2/12/
1, 1, 1, 2-Tetrachloroethane Standard	14248	0.07	mL	11/30

Final Volume: 10 mL

Stock Source		Base Units	Amount Added
PH121120504P	504.1 Mix (200ug/mL) MeOH	ug/mL	0.035 mL

Analytes	CAS	Conc:	ug/mL

Energy Laboratories Inc

Standard LOG

Standard ID:	PH011122504C2		
Standard Name	504.1 Cal Stock 2(0.07ug/mL) MeOH	Type:	Tertiary
Date Prepared	1/11/2022	BY:	Carry L Tran
Date Expires:	2/12/2023		
Department	PST/HRBPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			
Comments:	Final concentration = 0.07ug/mL Vol Flask# - EX-0117		

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap EA899	13926	9	mL	2/12/

Final Volume: 10 mL

Stock Source		**Base Units**	**Amount Added**
PH011122504C3	504.1 Cal Stock 3(0.7ug/mL) MeOH	ug/mL	1 mL

Analytes	**CAS**	Conc:	**ug/mL**

Energy Laboratories Inc

Standard LOG

Standard ID:	PH011122504C1		
Standard Name	504.1 Cal Stock 1(0.007ug/mL) MeOH	Type:	Tertiary
Date Prepared	1/11/2022	BY:	Carry L Tran
Date Expires:	2/12/2023		
Department	PST/HRBPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			
Comments:	Final concentration = 0.007ug/mL Vol Flask# - EX-0117		

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap EA899	13926	9	mL	2/12/

Final Volume: 10 mL

Stock Source		**Base Units**	**Amount Added**
PH011122504C2	504.1 Cal Stock 2(0.07ug/mL) MeOH	ug/mL	1 mL

Analytes	**CAS**	Conc:	**ug/mL**

125 Market Street
New Haven, CT 06513
USA

AccuStandard®

Tel (203)786-5290
Fax (203)786-5287
www.AccuStandard.com

CERTIFICATE OF ANALYSIS

Catalog No: M-504.1-LFB
Description: Laboratory Fortified Blank Sample Concentrate
Lot: 220021015
Solvent: Methanol
Hazards: *Refer to SDS for complete safety information*

Signal Word: Danger

Date Certified: Feb 6, 2020
Expiration: Feb 6, 2023
Sample Size: 1 mL
Components: 3
Storage Condition: Ambient (>5 °C)

Certified Reference Material

ANAB ACCREDITED REFERENCE MATERIAL PRODUCER AR-1463
ANAB ACCREDITED TESTING LABORATORY AT-1339
ilac-MRA

Component	CAS #	Purity % (GC/FID)	Prepared Concentration[2] (µg/mL)	Certified Analyte Concentration[1] (µg/mL)
1,2-Dibromoethane	106-93-4	99.9	0.2503	0.2500
1,2-Dibromo-3-chloropropane	96-12-8	100.0	0.2505	0.2505
1,2,3-Trichloropropane	96-18-4	99.0	0.2503	0.2478

ID #: 14729
Opened:
Laboratory Fortified Blank Sample Concentra
Expires: 2/6/2023
Rec'd: 1/6/2022
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

A product with a suffix (-1A, -2B, etc. or -01, -02, etc.) on its lot number has had its expiration date extended and is identical to the same lot number without the suffix.

Matrix blank to be used for background correction.

[2] All weights are traceable through NIST, Test No. 684/289871-17

[1] Certified Analyte Concentration = Purity x Prepared Concentration.

The Uncertainty associated with the certified concentration reported on this certificate is ±2.4%. This value is the combined expanded uncertainty and represents an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Labels and certificates follow U.S. Conventions in reporting numerical values: A comma (,) is used to separate units of one-thousand or greater. A period (.) is used as a decimal place marker.

Hazard Information: Please refer to the SDS for information regarding the hazards associated with using this material.

This product was prepared according to in-house procedures and is guaranteed to be homogeneous.

Certified By:
Larry Decker, Organic QC Manager

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For use in routine laboratory analysis.

ID #: 14248
Opened:
1, 1, 1, 2-Tetrachloroethane Standard
Expires: 11/30/2024
Rec'd: 9/7/2021
Energy Laboratories Inc 1120 So. 27th Street
Billings MT 59107

Agilent

Certificate of Analysis

Product Name: 1,1,1,2-Tetrachloroethane Standard

Product Number: HC-410-1 **Lot Issue Date:** 27-Oct-2020

Lot Number: 0006567948 **Expiration Date:** 30-Nov-2024

Description:
This analytical reference material (RM) was manufactured and verified in accordance with an ISO 9001 registered quality system and analyte concentrations were verified by an ISO 17025 accredited laboratory. The concentration and uncertainty value at the 95% confidence level for each analyte, determined gravimetrically, is listed below.

Analyte	CAS#	Analyte Lot	Concentration ± Uncertainty
1,1,1,2-tetrachloroethane	000630-20-6	RM12632	99.9 ± 0.5 µg/mL

Matrix: methanol (methyl alcohol)

Storage Conditions: Store Frozen (-25° to -10°C).

Traceability:
The balances used for these measurements are calibrated with weights traceable to NIST in compliance with ANSI/NCSL Z540.3, ISO 9001, ISO 17025, and ISO 17034. Calibrated Class A glassware is used for volumetric measurements. Thermometers are calibrated against a NIST traceable thermometer in accordance with NIST Special Publication 1088.

Homogeneity:
This RM was unitized according to an in-house procedure and is guaranteed to be homogeneous. There is no minimum sub-sample size required.

Intended Use:
This RM is intended for the preparation of working reference samples for use in routine laboratory analyses, calibration of instruments, validation of analytical methods, assessments of measurement methods, and continuing calibration verification.

Instructions for Use:
Sample aliquots for analysis should be withdrawn at 20°C to 25°C immediately after opening the container and should be processed without delay for the certified values to be valid within the stated uncertainties.

Hazards:
Refer to the Safety Data Sheet on www.agilent.com for information regarding this RM.

Expiration of Certification:
The certification of this RM is valid until the expiration date specified above, provided the RM is handled and stored in accordance with the instructions given in this certificate. This certification is nullified if the RM is damaged, contaminated, or otherwise modified.

Maintenance of Certification:
If substantive changes are noted that affect the certification before the expiration of this certificate, Agilent will notify the purchaser.

Sample lot approver:

Monica Bourgeois
QMS Representative

ANAB ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER
ISO 17034 Cert No. AR-1936

RM was produced in accordance with TUV USA Inc registered ISO 9001 Quality Management System. Cert # 56 100 18560026
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www.agilent.com/quality/
CSD-QA-015.1

ANAB ACCREDITED ISO/IEC 17025 TESTING LABORATORY
ISO 17025 Cert No. AT-1937

Energy Laboratories Inc

Standard LOG

Standard ID:	PH011922504SU		
Standard Name	504.1 Surrogate (0.1ug/mL)MeOH	Type:	Secondary
Date Prepared	1/19/2022	BY:	Carry L Tran
Date Expires:	3/20/2023		
Department	PST/HRBPR	Status:	New
Vendor:			
Lot Number:			
Balance ID:			
Comments:	Final Concentration = (0.1ug/mL) Vol Flask: EX-0117		

Chemical / Solvent Used	BottleNo	Amt	Units	Exp
Methanol, Purge and Trap - EB199-US	14334	9.99	mL	3/20/
1, 1, 1, 2-Tetrachloroethane Standard	14248	0.01	mL	11/30

Final Volume: 10 mL

Stock Source	**Base Units**	**Amount Added**
Analytes	**CAS**	Conc: **ug/mL**